

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003638.D
 Acq On : 24 Jul 2018 07:36
 Operator : JC/SP
 Sample : J4073-18MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 3:55:03 PM

Quant Time: Jul 24 09:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	347862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149847	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	5.51	113	141528	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	8.72	98	519981	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.14	95	191242	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93596	47.02	ug/l	99
3) Chloromethane	1.32	50	121847	49.41	ug/l	96
4) Vinyl Chloride	1.40	62	134309	42.20	ug/l	95
5) Bromomethane	1.64	94	59224	46.61	ug/l	99
6) Chloroethane	1.72	64	88938	47.23	ug/l	98
7) Trichlorofluoromethane	1.92	101	203335	47.89	ug/l	97
8) Diethyl Ether	2.19	74	86594	47.49	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.37	101	131082	47.17	ug/l	96
10) Methyl Iodide	2.51	142	169204	50.69	ug/l	92
11) Tert butyl alcohol	3.08	59	177005	301.65	ug/l	100
12) 1,1-Dichloroethene	2.37	96	121223	47.38	ug/l	83
13) Acrolein	2.29	56	41364	156.01	ug/l	100
14) Allyl chloride	2.73	41	187175	41.32	ug/l	86
15) Acrylonitrile	3.15	53	374305	250.55	ug/l	98
16) Acetone	2.45	43	310438	277.15	ug/l #	86
17) Carbon Disulfide	2.57	76	299950	43.35	ug/l	99
18) Methyl Acetate	2.78	43	154198	43.67	ug/l #	89
19) Methyl tert-butyl Ether	3.21	73	423567	50.69	ug/l	98
20) Methylene Chloride	2.86	84	145464	53.17	ug/l #	75
21) trans-1,2-Dichloroethene	3.16	96	132537	46.56	ug/l	91
22) Diisopropyl ether	3.87	45	409357	48.03	ug/l #	94
23) Vinyl Acetate	3.82	43	1351313	192.48	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	244171	48.83	ug/l	100
25) 2-Butanone	4.71	43	503751	268.04	ug/l #	88
26) 2,2-Dichloropropane	4.58	77	72858	19.18	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	154795	48.83	ug/l	91
28) Bromochloromethane	5.03	49	101752	46.55	ug/l #	78
29) Tetrahydrofuran	5.17	42	324663	261.51	ug/l #	87
30) Chloroform	5.22	83	251460	51.50	ug/l	98
31) Cyclohexane	5.57	56	199242	44.59	ug/l	89
32) 1,1,1-Trichloroethane	5.50	97	217025	51.90	ug/l	96
36) 1,1-Dichloropropene	5.80	75	178936	47.64	ug/l	94
37) Ethyl Acetate	4.87	43	153889	43.30	ug/l #	94
38) Carbon Tetrachloride	5.78	117	196841	53.43	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205901	46.29	ug/l	92
40) Benzene	6.15	78	578682	51.03	ug/l	99
41) Methacrylonitrile	5.07	41	108945	52.16	ug/l	90
42) 1,2-Dichloroethane	6.20	62	184237	51.57	ug/l	92
43) Isopropyl Acetate	6.47	43	272224	48.15	ug/l #	93
44) Trichloroethene	7.22	130	178689	52.84	ug/l	94
45) 1,2-Dichloropropane	7.52	63	151814	52.73	ug/l	91
46) Dibromomethane	7.67	93	99459	53.65	ug/l	91
47) Bromodichloromethane	7.90	83	185592	54.69	ug/l	99
48) Methyl methacrylate	7.78	41	148285	52.01	ug/l #	80
49) 1,4-Dioxane	7.76	88	78873	1220.99	ug/l #	90
51) 4-Methyl-2-Pentanone	8.65	43	992804	277.97	ug/l	89
52) Toluene	8.79	92	369539	51.77	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	192357	46.05	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	175286	46.66	ug/l #	85
55) 1,1,2-Trichloroethane	9.22	97	153120	53.91	ug/l	98
56) Ethyl methacrylate	9.18	69	218680	54.66	ug/l #	79
57) 1,3-Dichloropropane	9.38	76	243347	53.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.24	63	461	0.24	ug/l #	48
59) 2-Hexanone	9.50	43	758394	286.59	ug/l	86
60) Dibromochloromethane	9.59	129	163118	58.02	ug/l	100
61) 1,2-Dibromoethane	9.68	107	161419	54.82	ug/l	100
64) Tetrachloroethene	9.34	164	195759	48.17	ug/l	98
65) Chlorobenzene	10.14	112	430594	50.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	161641	54.67	ug/l	99
67) Ethyl Benzene	10.26	91	698601	50.56	ug/l	99
68) m/p-Xylenes	10.36	106	557370	102.90	ug/l	94
69) o-Xylene	10.70	106	273178	52.15	ug/l	93
70) Styrene	10.71	104	462321	53.66	ug/l	96
71) Bromoform	10.86	173	134548	58.57	ug/l #	99
73) Isopropylbenzene	11.02	105	723112	50.14	ug/l	99
74) N-amyl acetate	6.47	43	272224	44.46	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	224307	53.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	191525m	51.13	ug/l	
77) Bromobenzene	11.26	156	210196	50.68	ug/l	92
78) n-propylbenzene	11.36	91	795576	49.63	ug/l	97
79) 2-Chlorotoluene	11.43	91	475834	48.90	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	601361	50.74	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	47131	36.41	ug/l	87
82) 4-Chlorotoluene	11.51	91	554241	48.61	ug/l	96
83) tert-Butylbenzene	11.77	119	599564	51.66	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	618271	51.27	ug/l	96
85) sec-Butylbenzene	11.95	105	700755	49.71	ug/l	98
86) p-Isopropyltoluene	12.07	119	638828	50.49	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	374624	49.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	374238	47.65	ug/l	99
89) n-Butylbenzene	12.39	91	507108	47.20	ug/l	98
90) Hexachloroethane	12.60	117	91558	50.91	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	380915	50.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45127	54.87	ug/l	79

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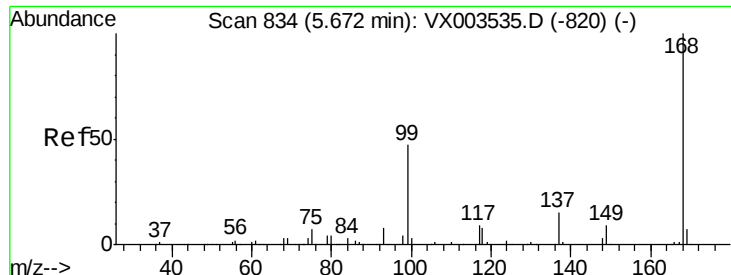
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	269331	48.91	ug/l	98
94) Hexachlorobutadiene	13.79	225	127710	48.22	ug/l	99
95) Naphthalene	13.83	128	789822	54.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	280640	51.48	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion:168 Resp: 250516

Ion Ratio Lower Upper

168 100

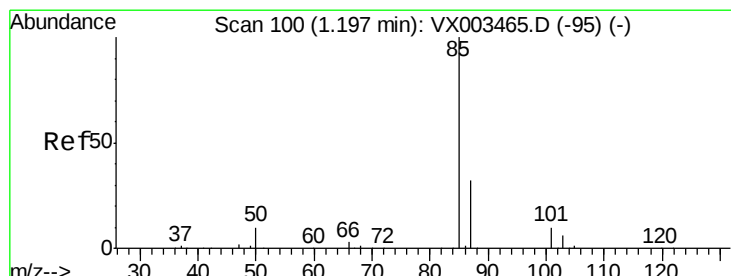
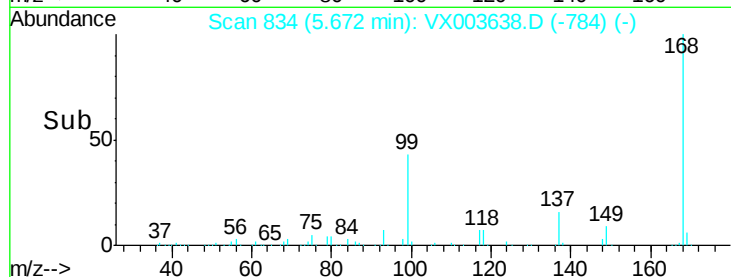
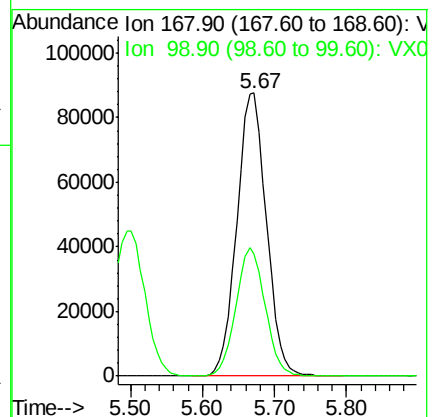
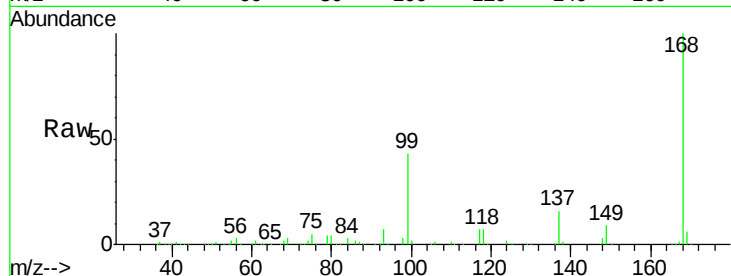
99 42.9 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.02 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003638.D

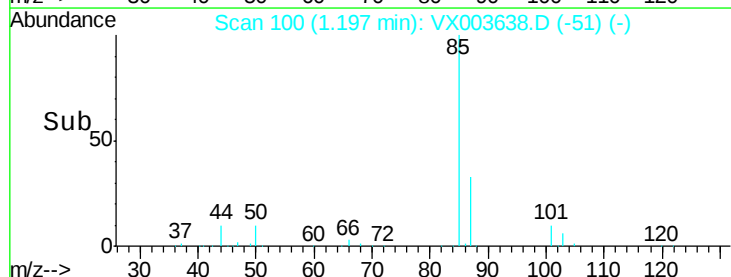
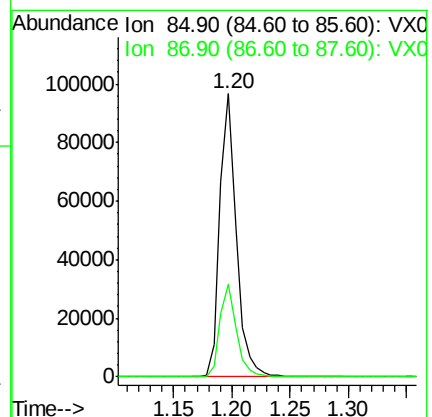
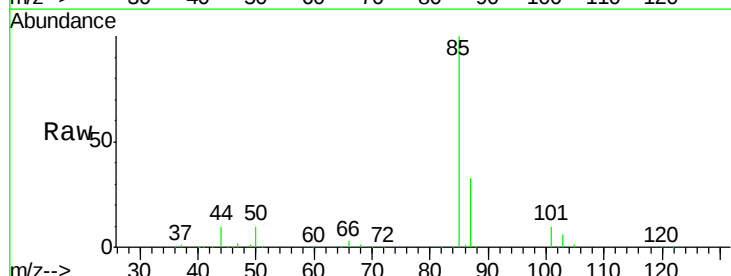
Acq: 24 Jul 2018 07:36

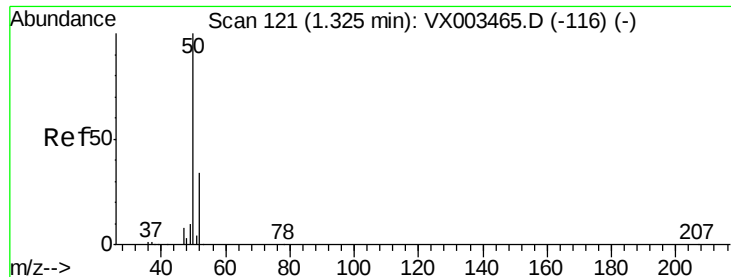
Tgt Ion: 85 Resp: 93596

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9





#3

Chloromethane

Concen: 49.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 50 Resp: 121847

Ion Ratio Lower Upper

50 100

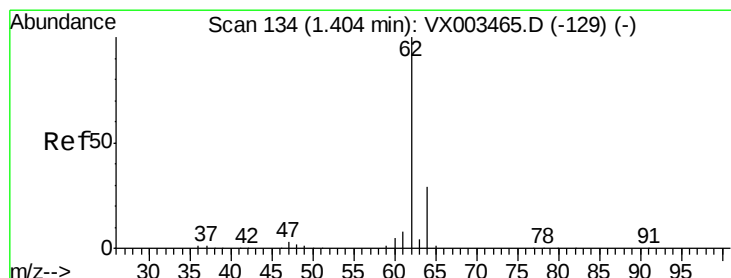
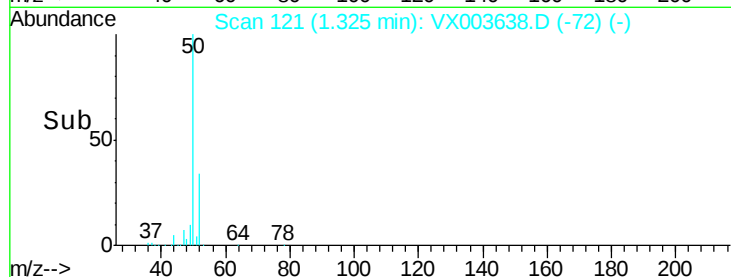
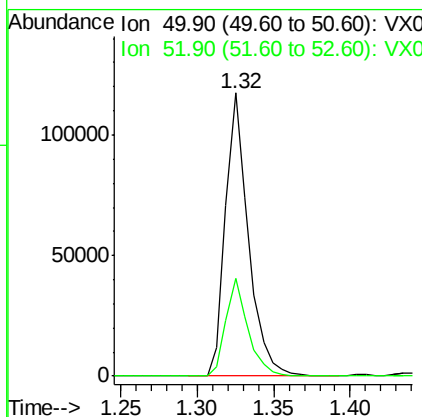
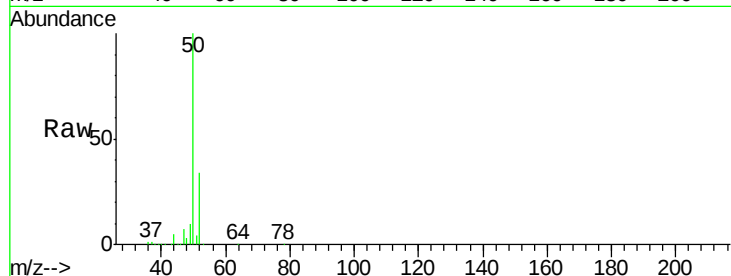
52 34.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.20 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003638.D

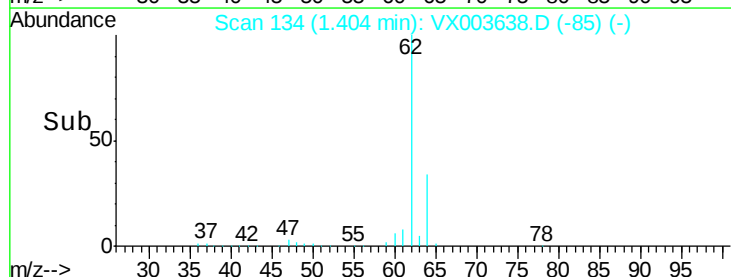
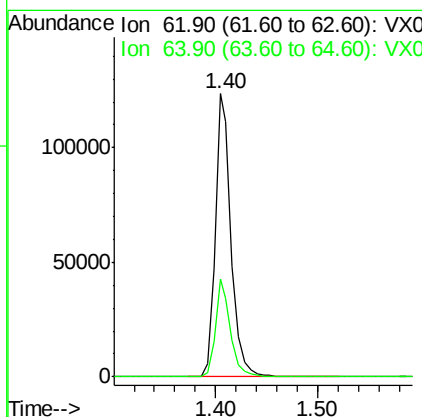
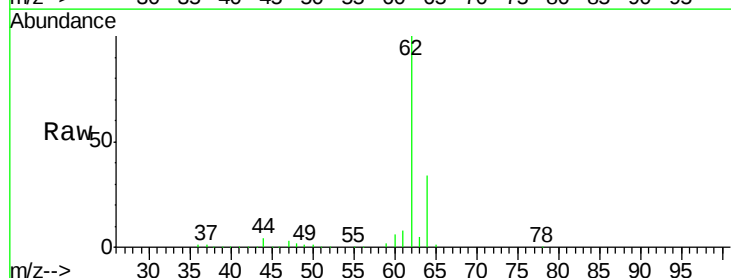
Acq: 24 Jul 2018 07:36

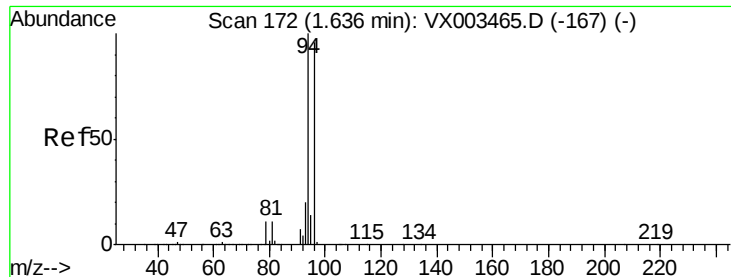
Tgt Ion: 62 Resp: 134309

Ion Ratio Lower Upper

62 100

64 34.5 25.4 38.2





#5

Bromomethane

Concen: 46.61 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 94 Resp: 59224

Ion Ratio Lower Upper

94 100

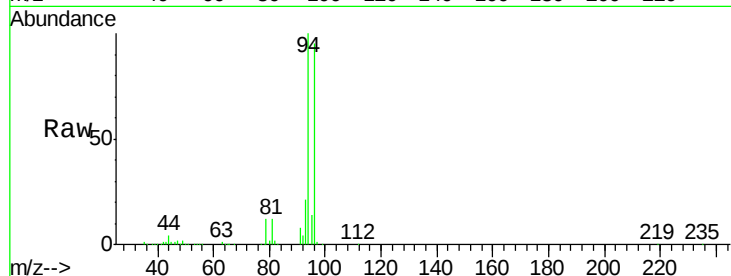
96 95.0 74.9 112.3

Manual Integrations

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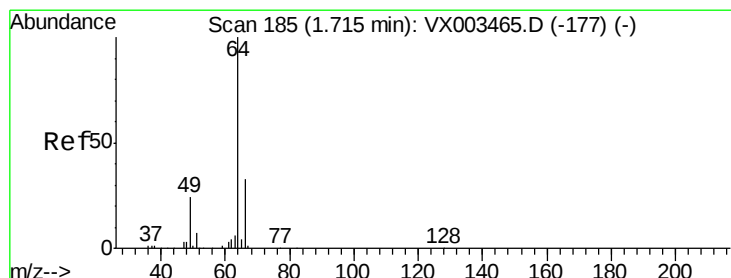
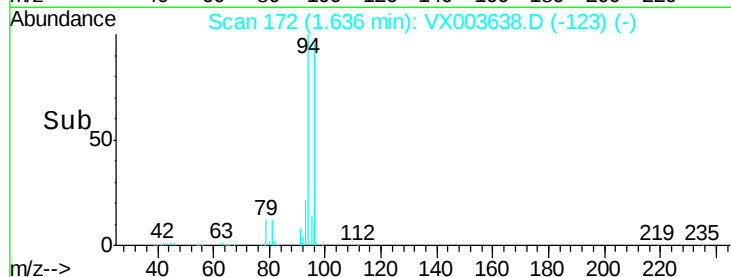
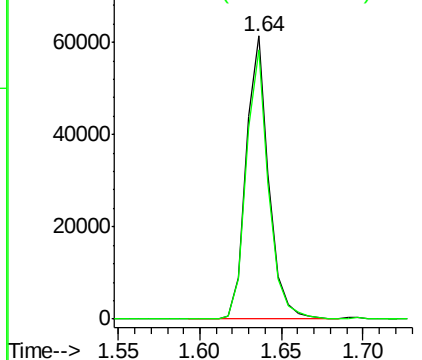
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.23 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003638.D

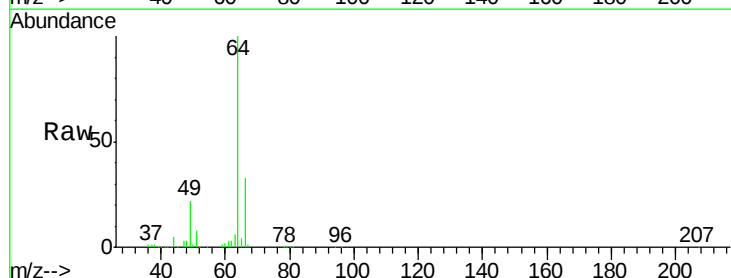
Acq: 24 Jul 2018 07:36

Tgt Ion: 64 Resp: 88938

Ion Ratio Lower Upper

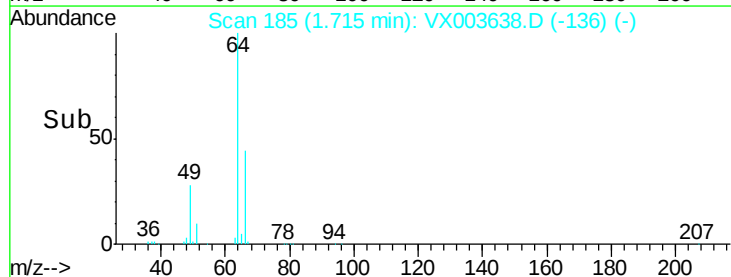
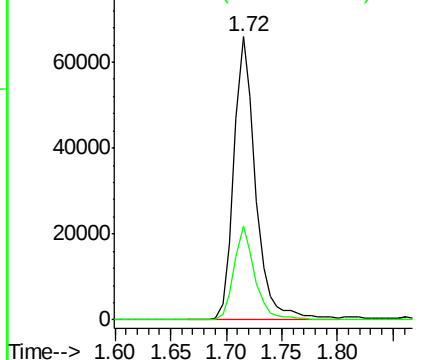
64 100

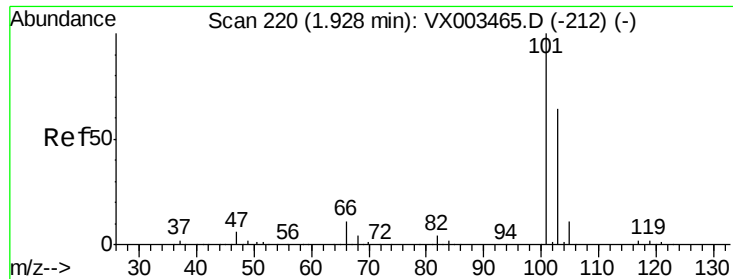
66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

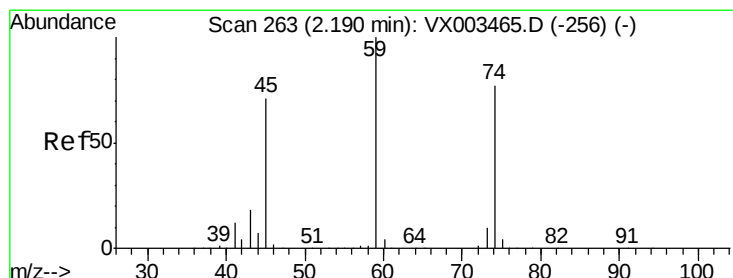
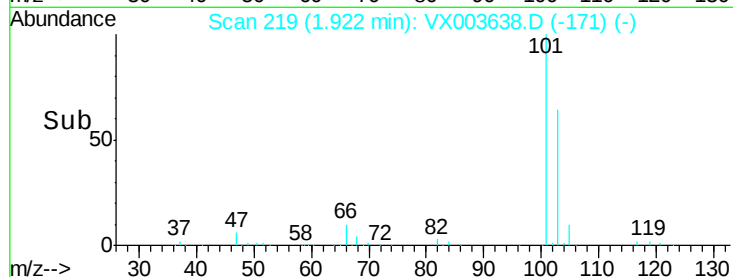
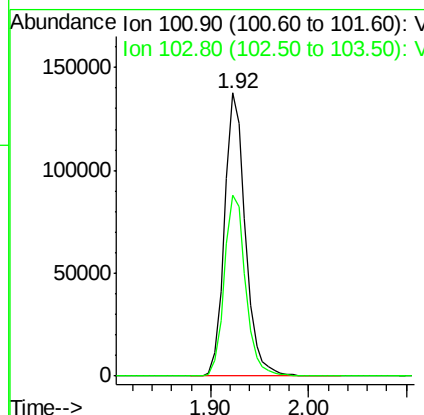
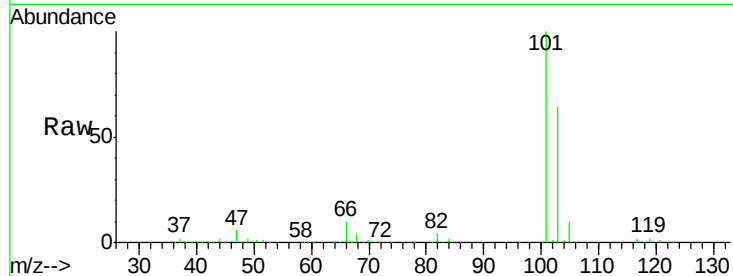
Trichlorofluoromethane
 Concen: 47.89 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

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 RE123D3-071818MS

Tot Ion:101 Resp: 203335
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.8 79.2

Manual Integrations
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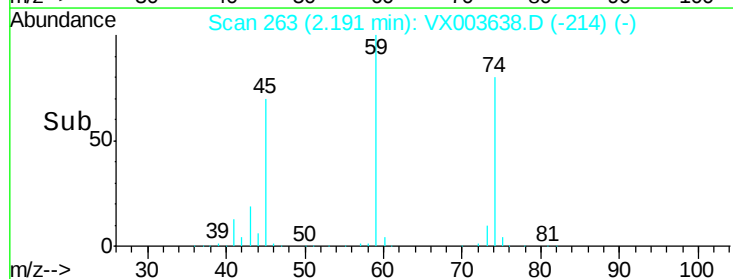
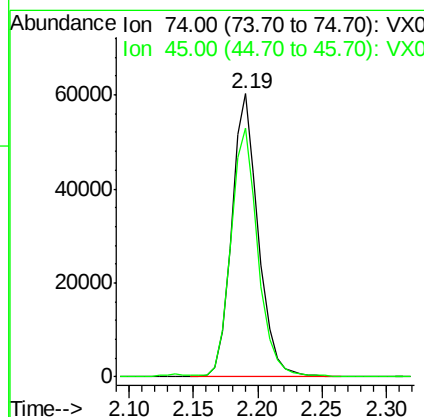
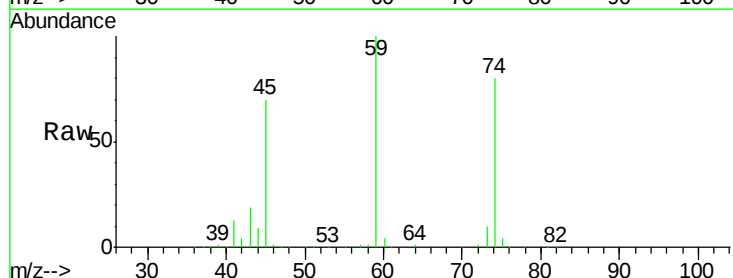
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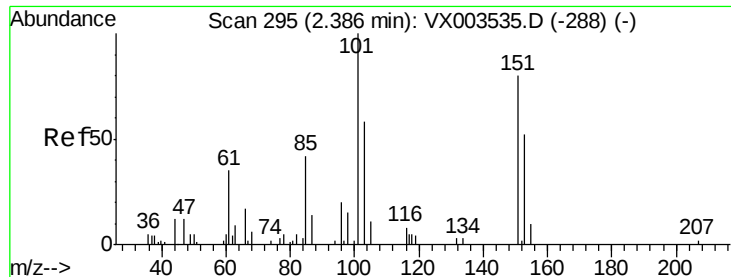


#8

Diethyl Ether
 Concen: 47.49 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion: 74 Resp: 86594
 Ion Ratio Lower Upper
 74 100
 45 89.1 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.17 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

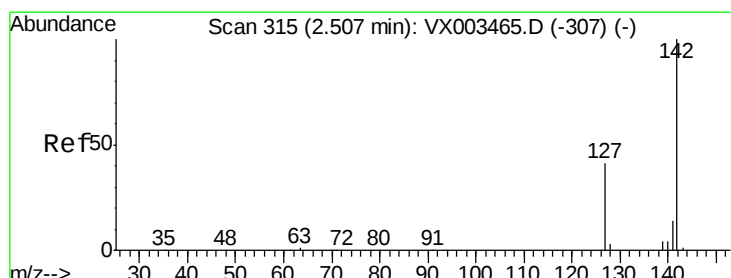
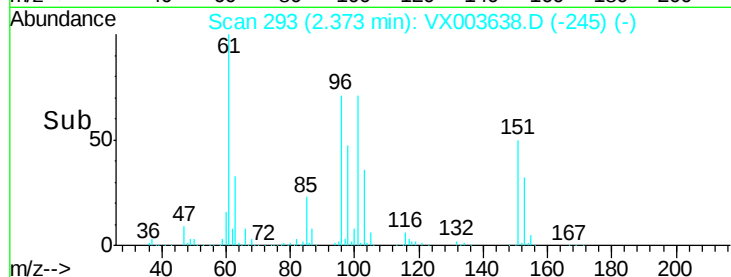
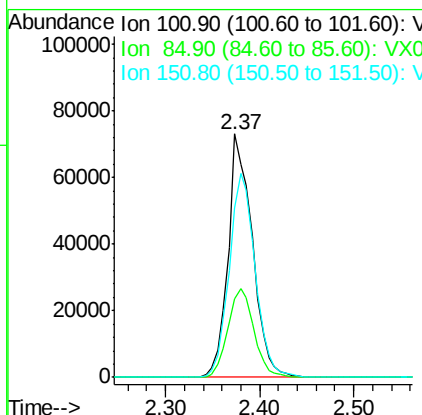
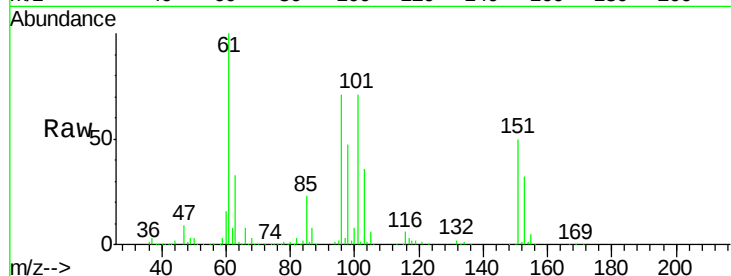
ClientSampleId :

RE123D3-071818MS

Tot Ion:	101	Resp:	131082
Ion Ratio	Lower	Upper	
101	100		
85	39.2	36.0	54.0
151	89.4	70.9	106.3

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#10

Methyl Iodide

Concen: 50.69 ug/l

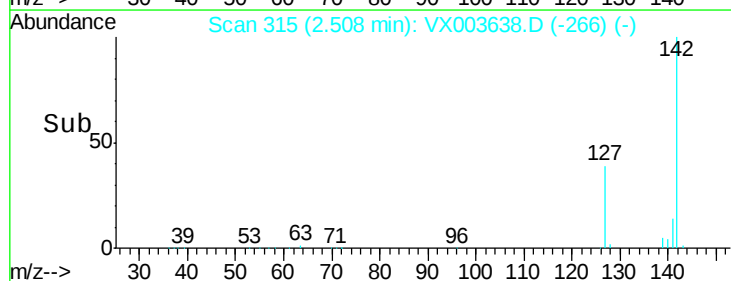
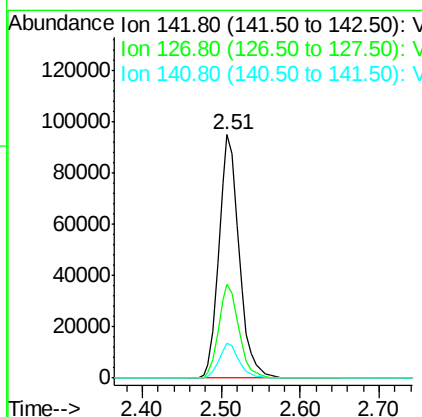
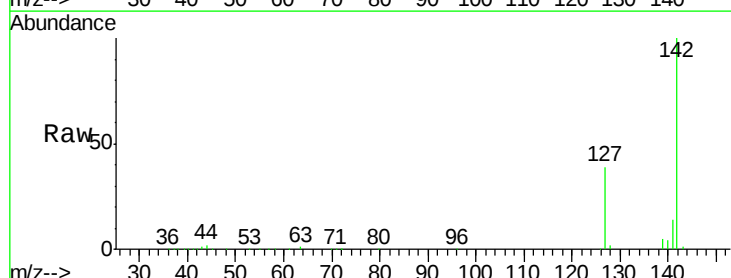
RT: 2.51 min Scan# 315

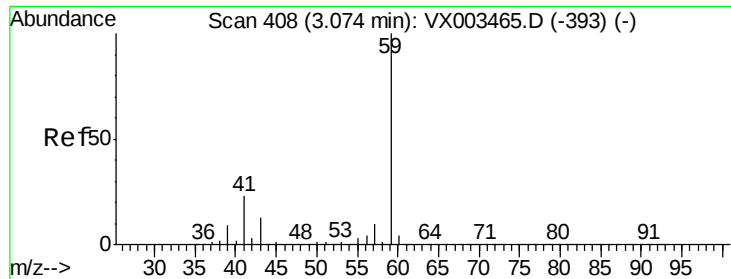
Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion:	142	Resp:	169204
Ion Ratio	Lower	Upper	
142	100		
127	38.6	36.6	55.0
141	14.1	11.3	16.9





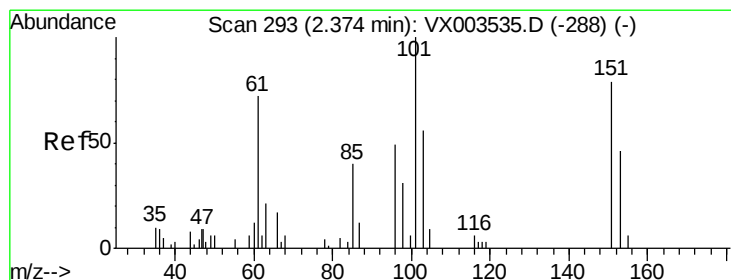
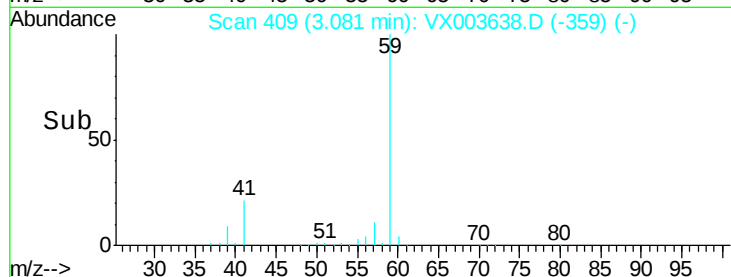
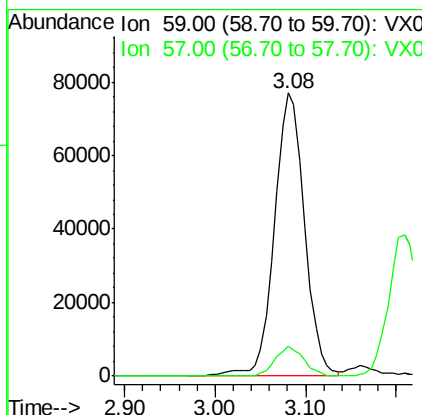
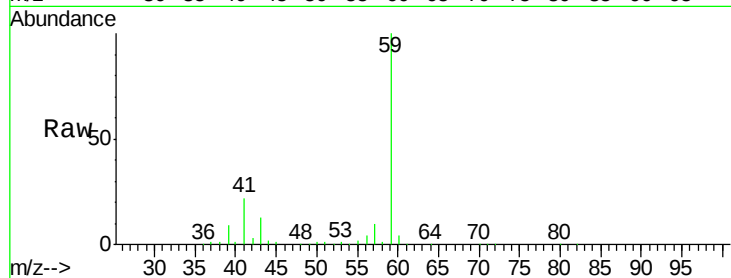
#11
Tert butyl alcohol
Concen: 301.65 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion: 59 Resp: 177005
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

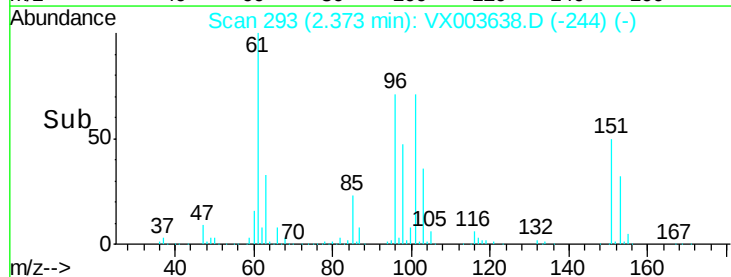
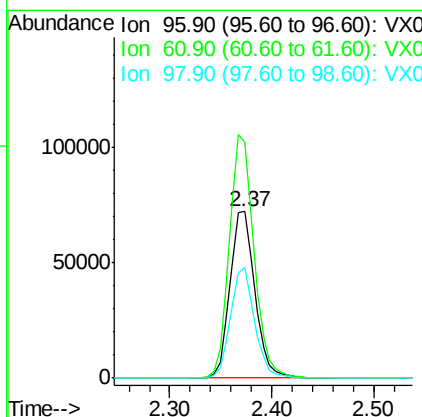
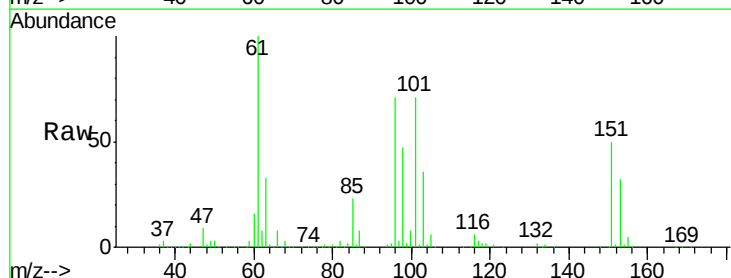
Manual Integrations
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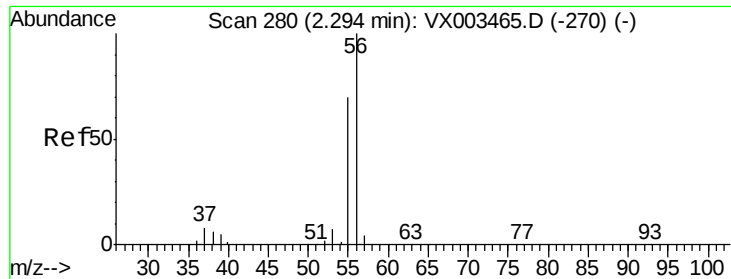
MMDadoda
7/24/2018 3:55:03 PM



#12
1,1-Dichloroethene
Concen: 47.38 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion: 96 Resp: 121223
Ion Ratio Lower Upper
96 100
61 141.6 137.9 206.9
98 66.8 51.6 77.4





#13

Acrolein

Concen: 156.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 56 Resp: 41364

Ion Ratio Lower Upper

56 100

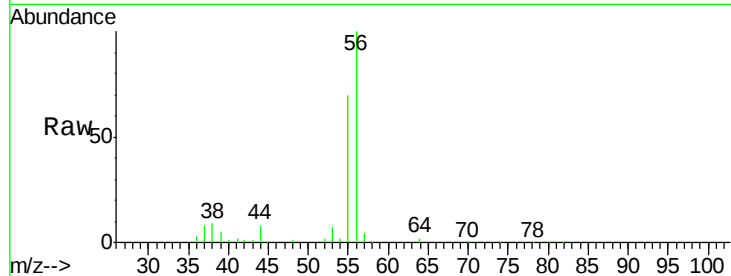
55 71.5 57.0 85.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

15000

10000

5000

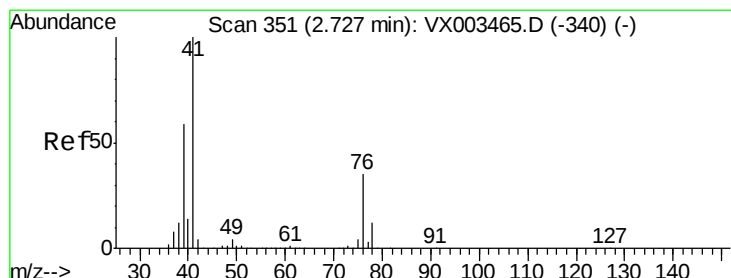
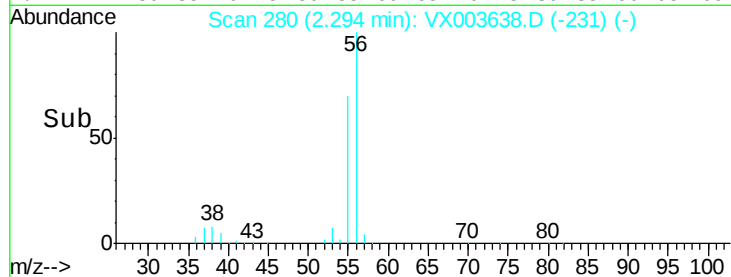
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 41.32 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

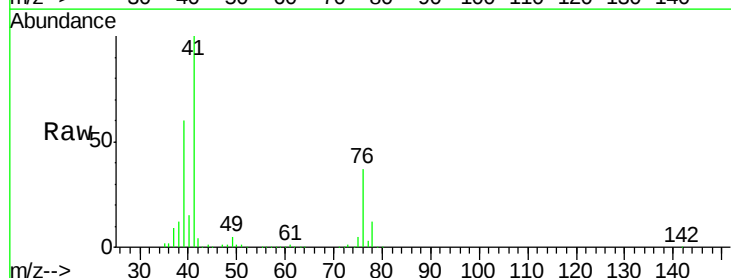
Tgt Ion: 41 Resp: 187175

Ion Ratio Lower Upper

41 100

39 58.4 56.8 85.2

76 35.7 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

100000

50000

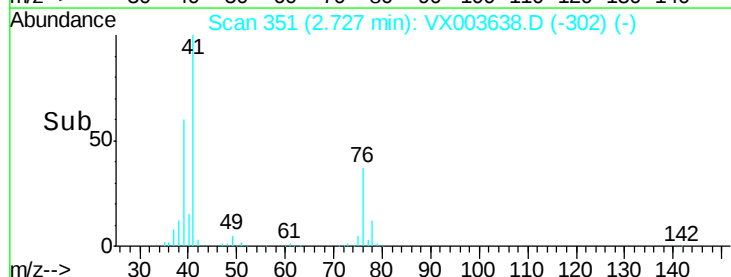
0

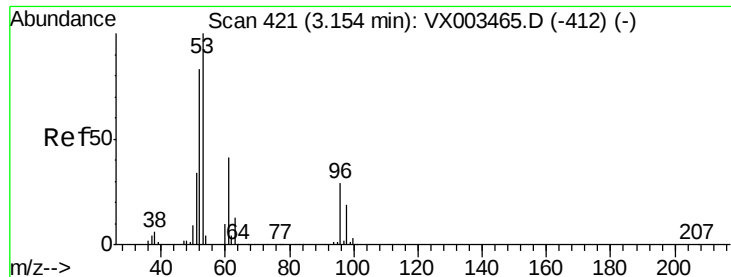
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 250.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

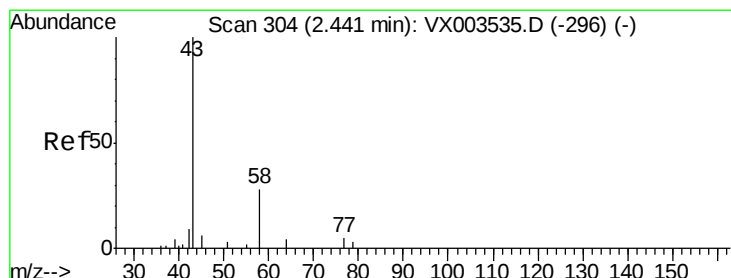
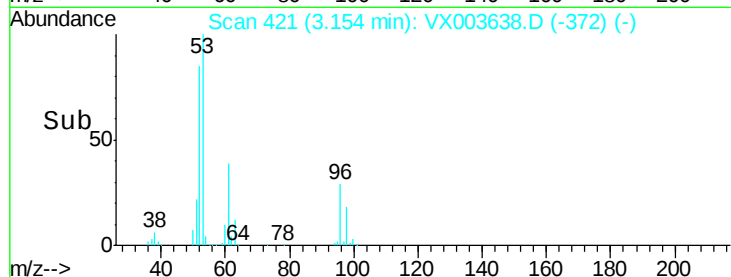
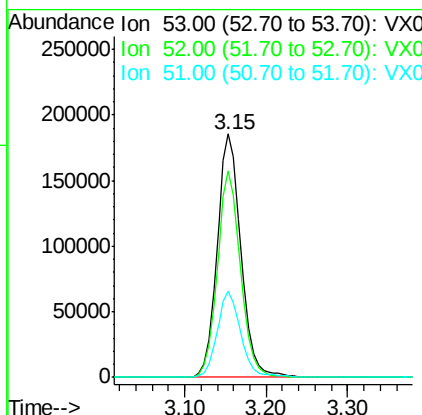
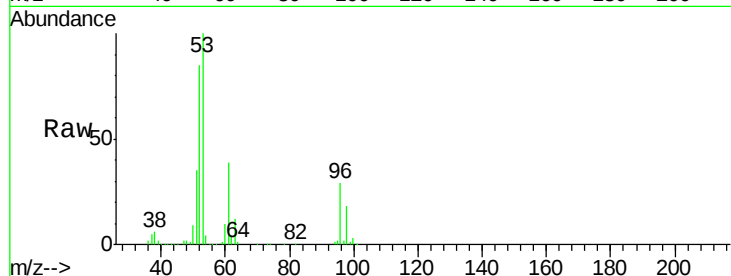
ClientSampleId :

RE123D3-071818MS

Tot Ion	53	Resp	374305
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	35.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 277.15 ug/l

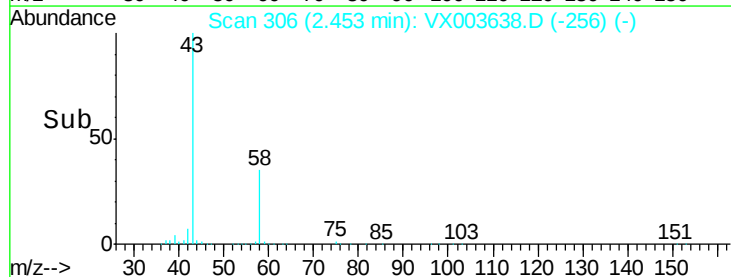
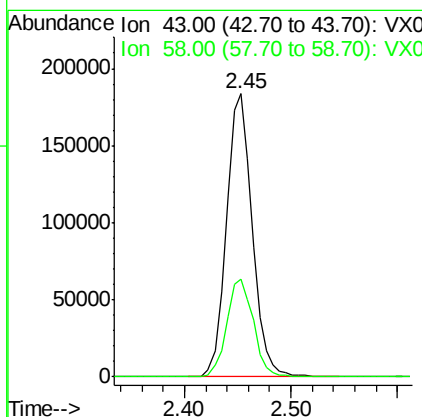
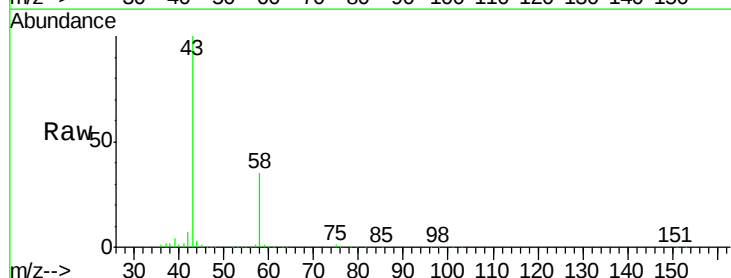
RT: 2.45 min Scan# 306

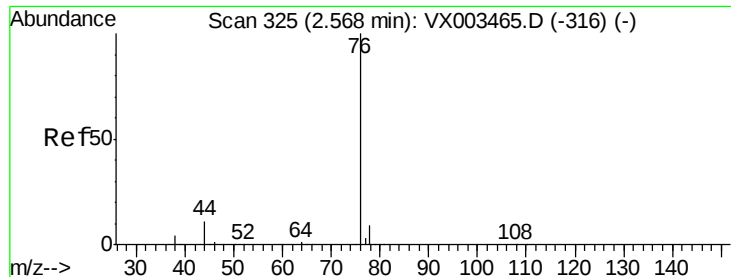
Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion	43	Resp	310438
Ion	Ratio	Lower	Upper
43	100		
58	34.8	22.1	33.1#





#17

Carbon Disulfide

Concen: 43.35 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 76 Resp: 299950

Ion Ratio Lower Upper

76 100

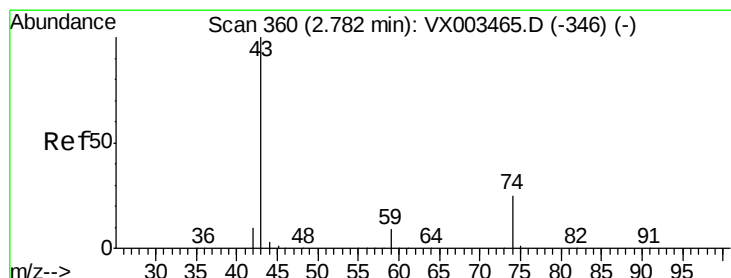
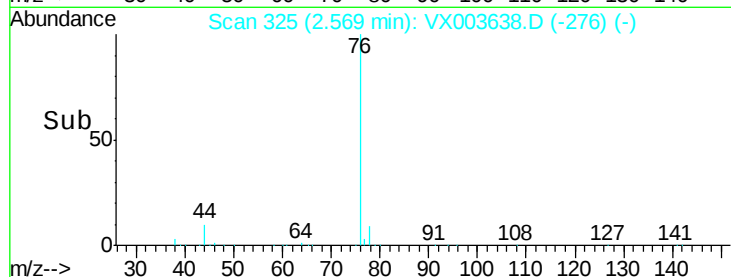
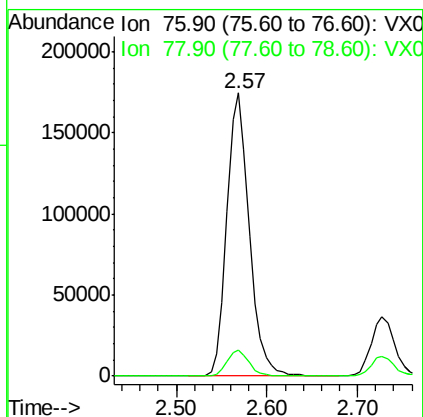
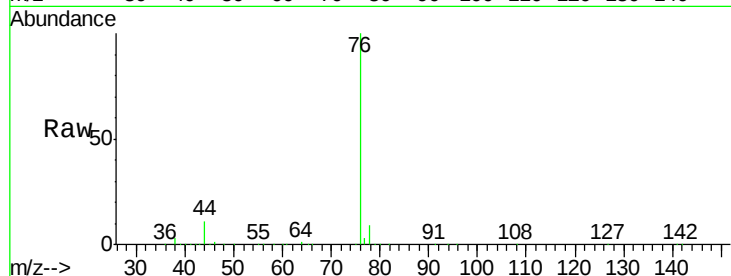
78 9.1 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 43.67 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003638.D

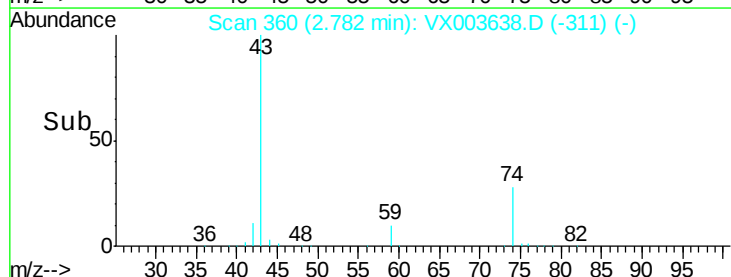
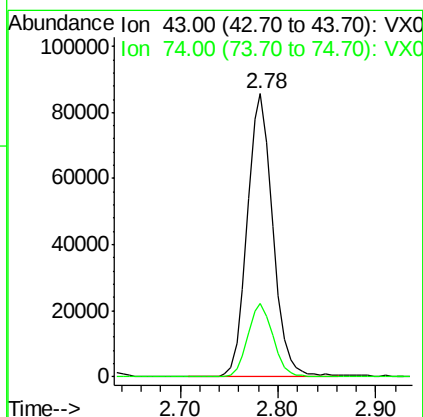
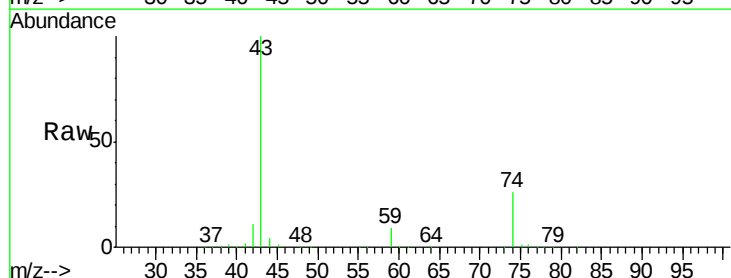
Acq: 24 Jul 2018 07:36

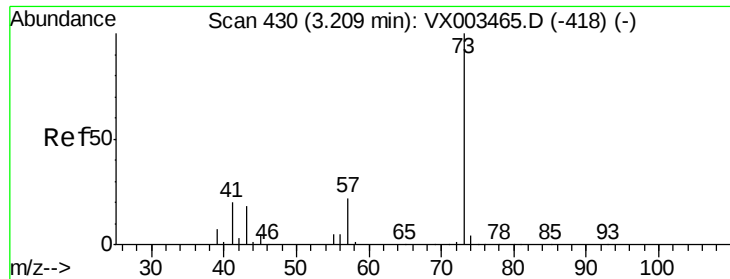
Tgt Ion: 43 Resp: 154198

Ion Ratio Lower Upper

43 100

74 26.1 16.7 25.1#





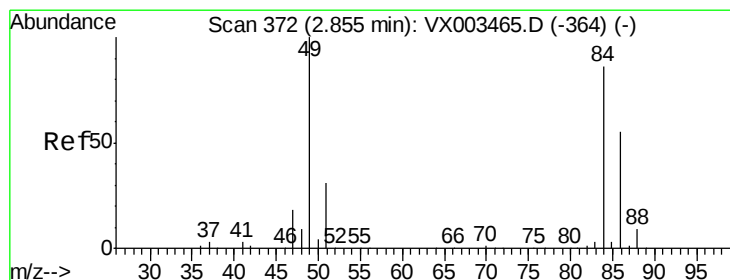
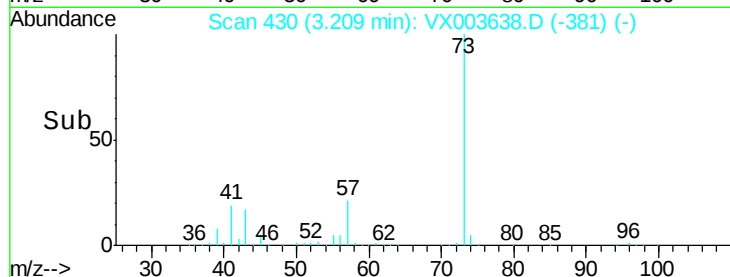
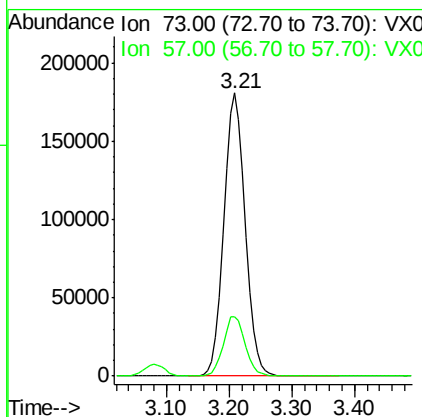
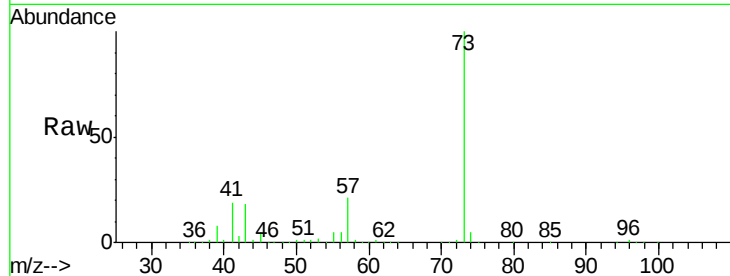
#19
Methyl tert-butyl Ether
Concen: 50.69 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

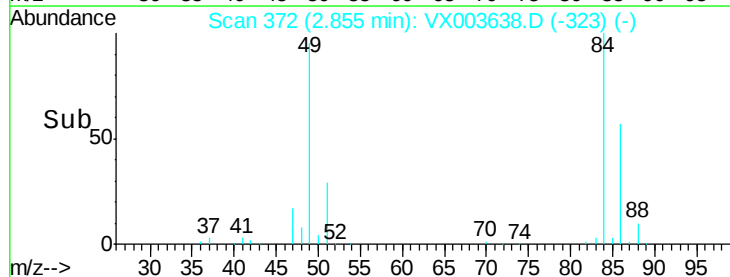
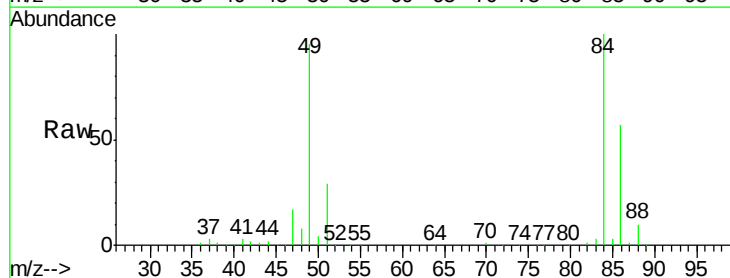
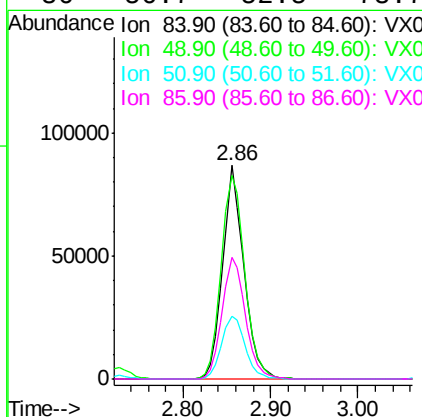
Manual Integrations
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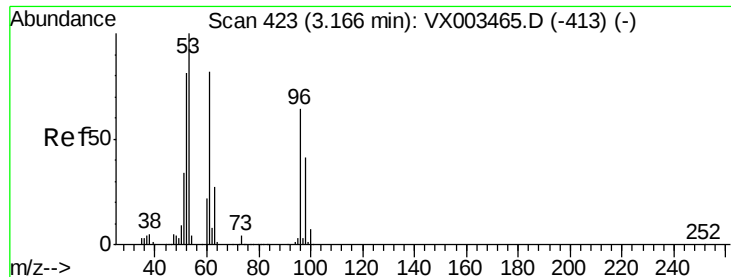
MMDadoda
7/24/2018 3:55:03 PM



#20
Methylene Chloride
Concen: 53.17 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	95.4	107.8	161.6#
51	29.3	32.8	49.2#
86	56.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 46.56 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

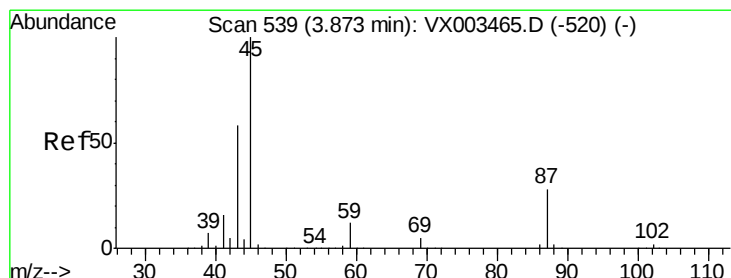
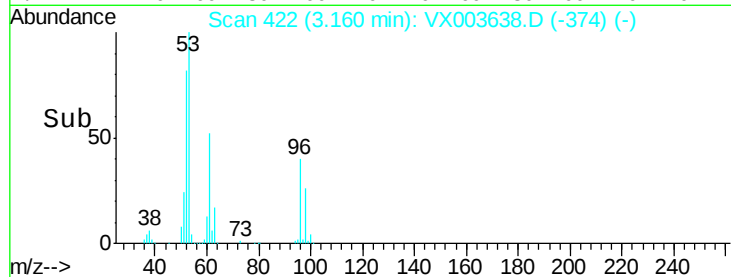
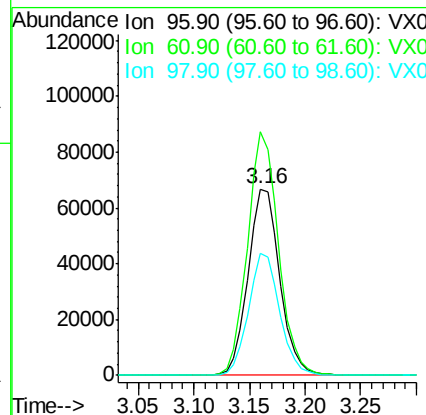
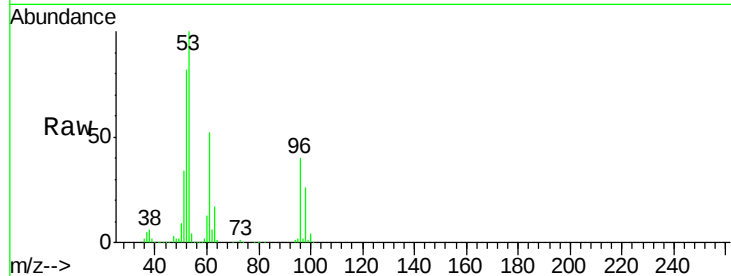
ClientSampleId :

RE123D3-071818MS

Tot Ion:	96	Resp:	132537
Ion	Ratio	Lower	Upper
96	100		
61	130.4	117.0	175.4
98	65.4	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.03 ug/l

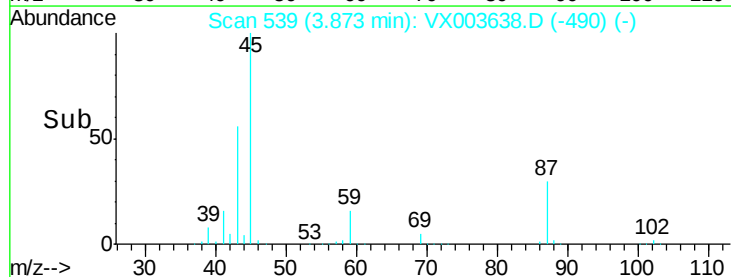
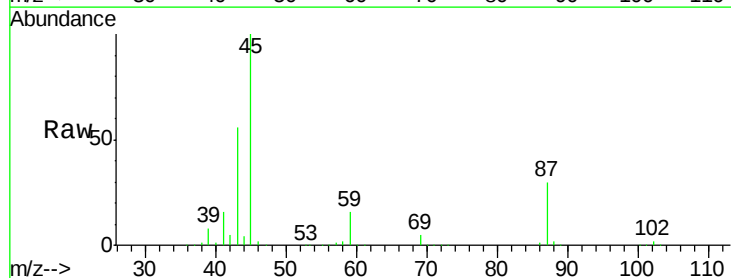
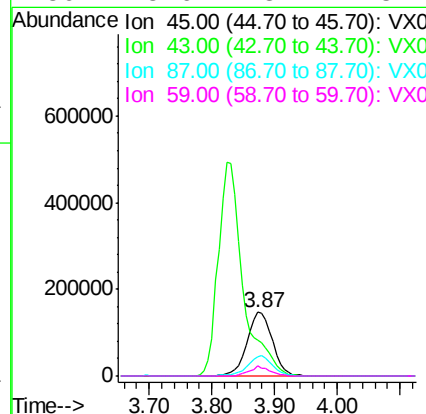
RT: 3.87 min Scan# 539

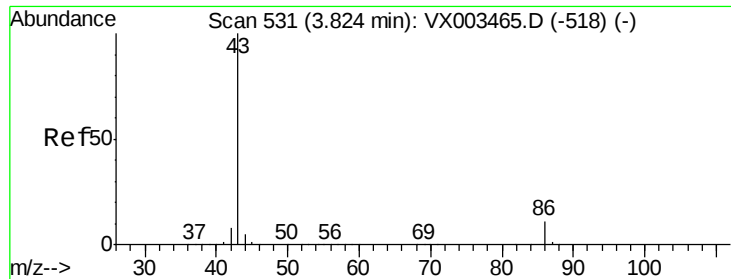
Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion:	45	Resp:	409357
Ion	Ratio	Lower	Upper
45	100		
43	55.5	46.8	70.2
87	29.8	20.2	30.4
59	15.6	8.7	13.1#





#23

Vinyl Acetate

Concen: 192.48 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 43 Resp: 1351313

Ion Ratio Lower Upper

43 100

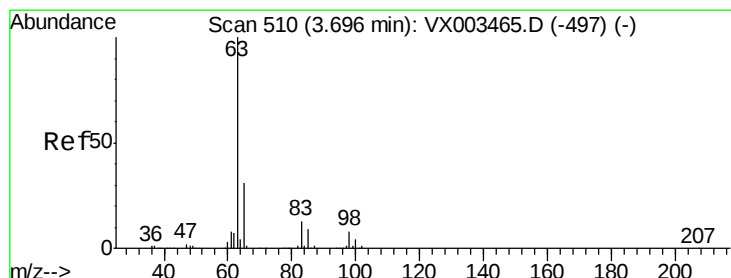
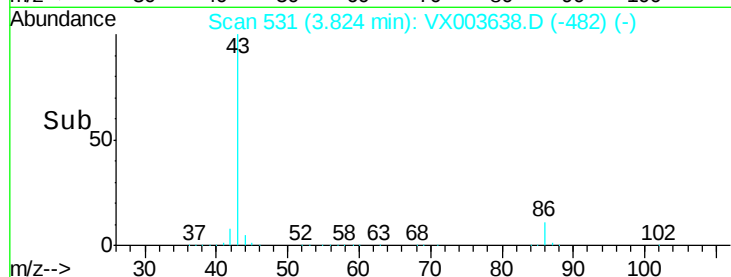
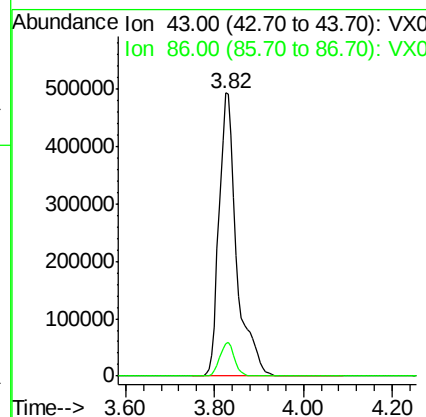
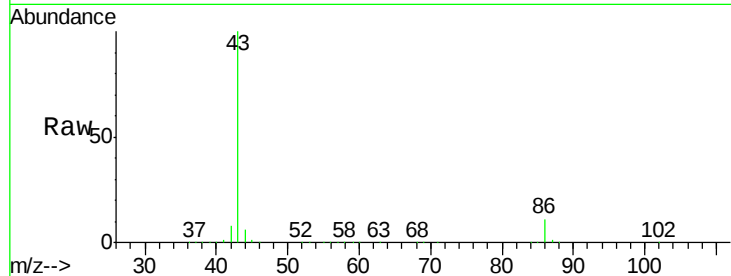
86 11.3 7.4 11.0#

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 48.83 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

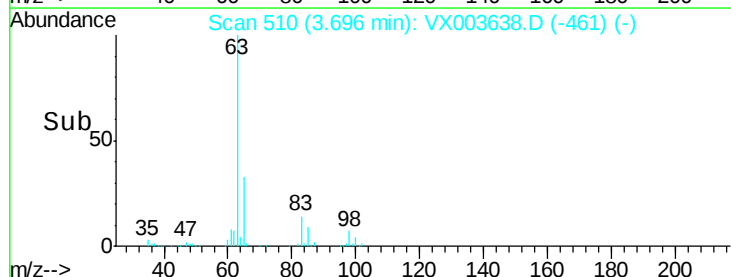
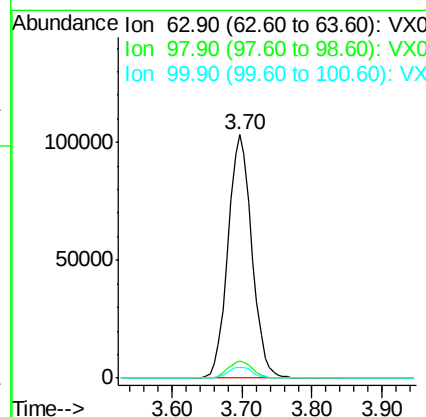
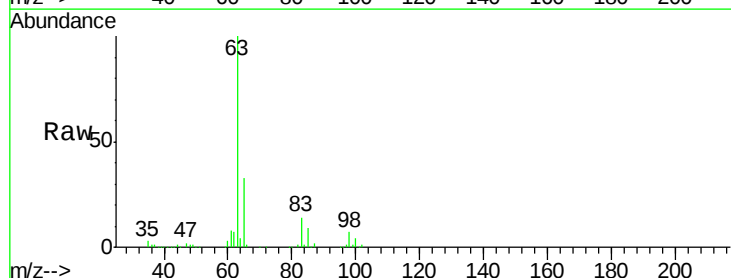
Tgt Ion: 63 Resp: 244171

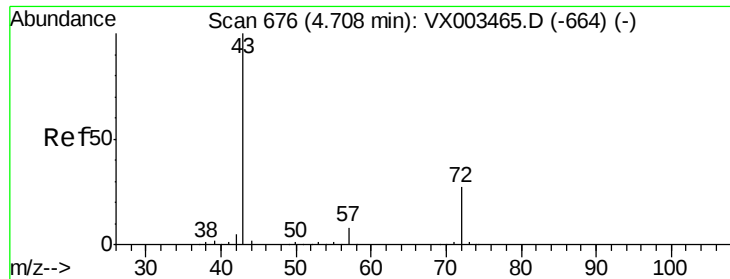
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 268.04 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 43 Resp: 503751

Ion Ratio Lower Upper

43 100

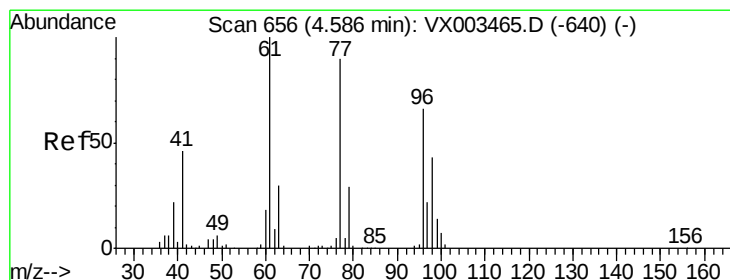
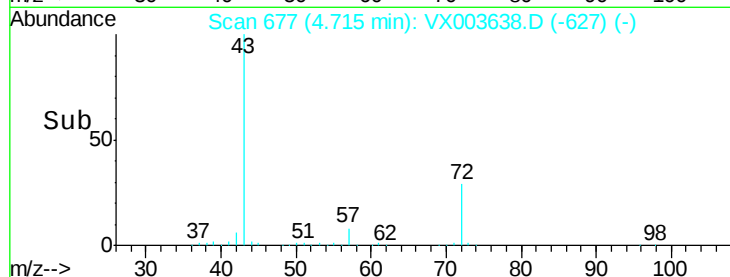
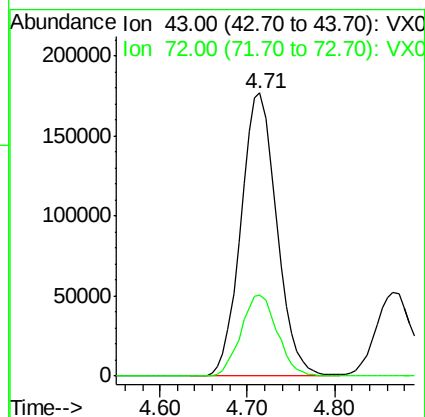
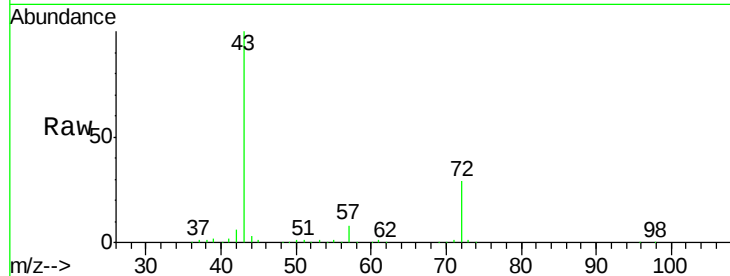
72 28.9 18.5 27.7#

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#26

2,2-Dichloropropane

Concen: 19.18 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003638.D

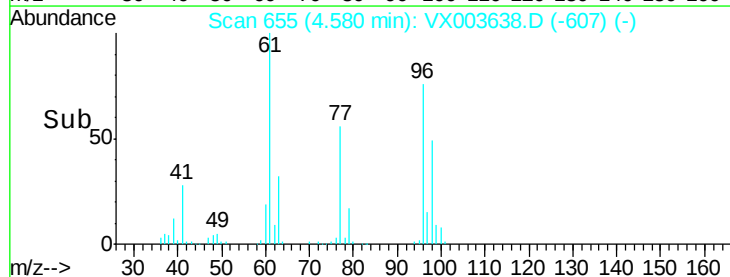
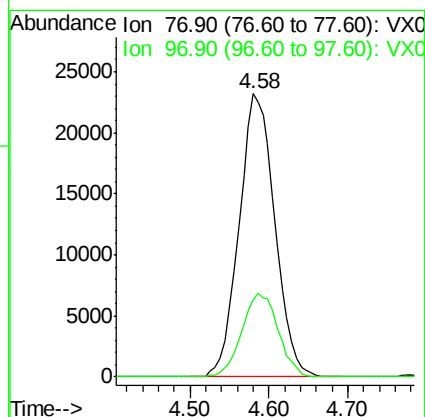
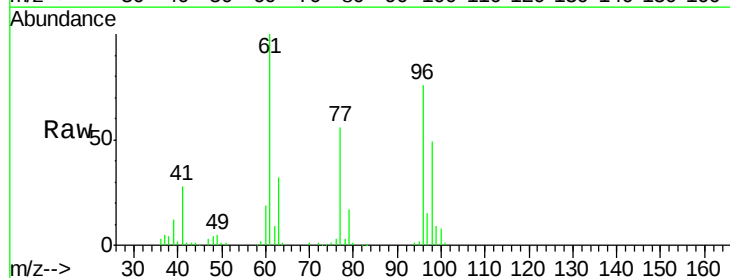
Acq: 24 Jul 2018 07:36

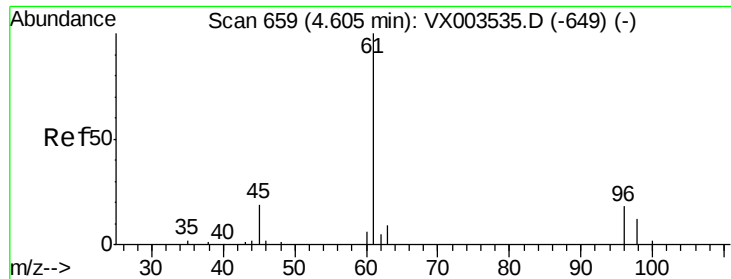
Tgt Ion: 77 Resp: 72858

Ion Ratio Lower Upper

77 100

97 30.2 11.2 33.5





#27

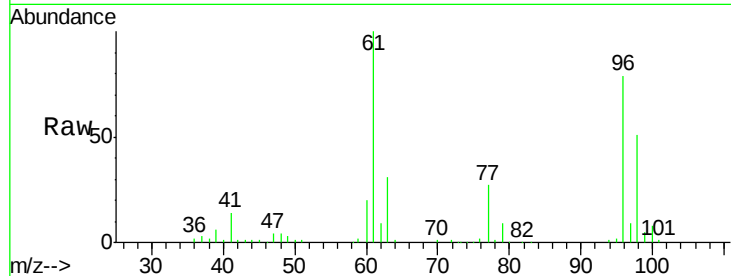
cis-1,2-Dichloroethene
Concen: 48.83 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

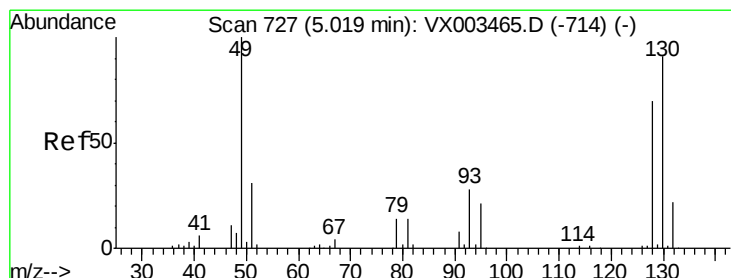
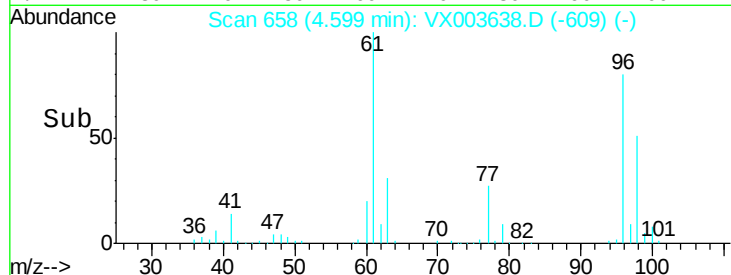
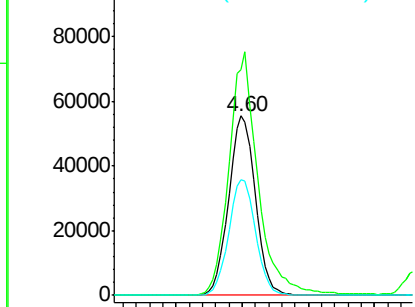
Tot Ion	Ratio	Resp	Lower	Upper
96	100	154795		
61	148.3	0.0	330.2	
98	65.1	0.0	130.2	

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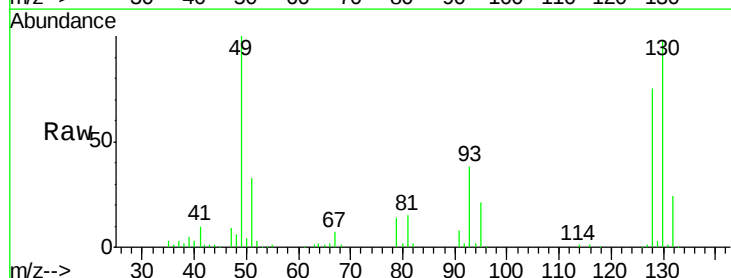
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



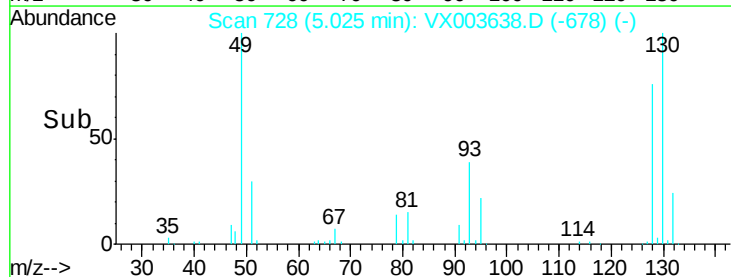
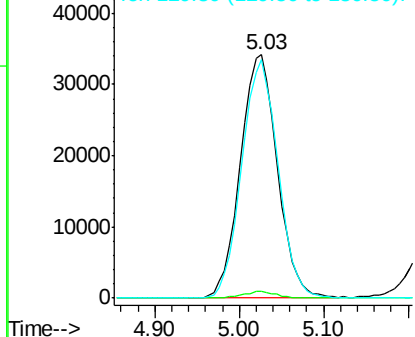
#28

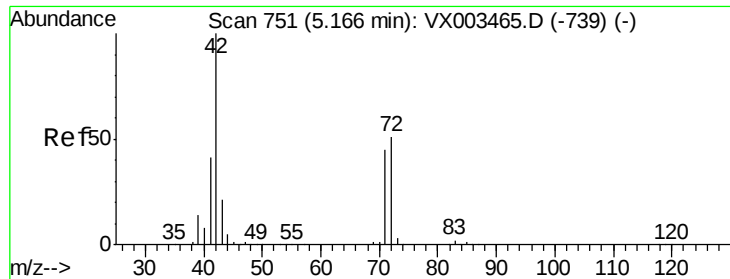
Bromochloromethane
Concen: 46.55 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101752		
129	2.5	0.0	4.2	
130	96.1	61.2	91.8#	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





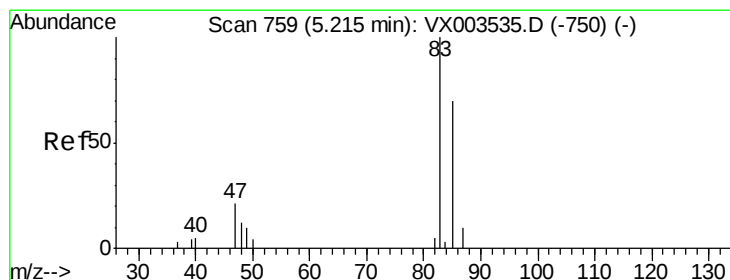
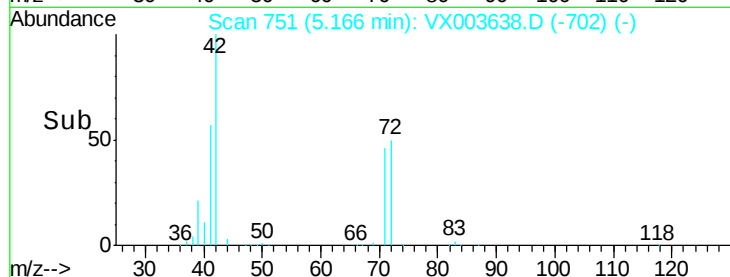
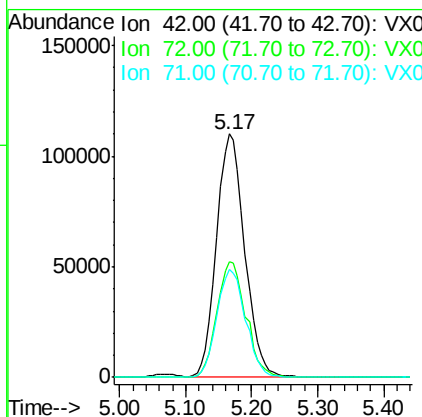
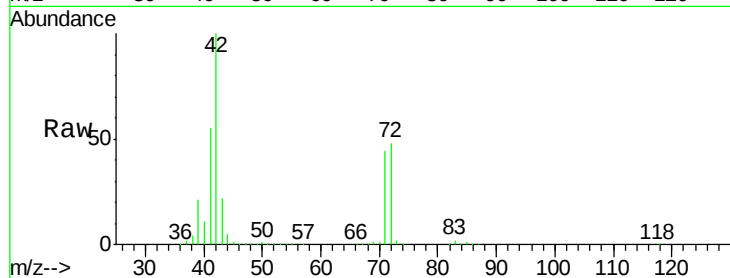
#29
Tetrahydrofuran
Concen: 261.51 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	32.0	48.0#
71	45.2	30.1	45.1#

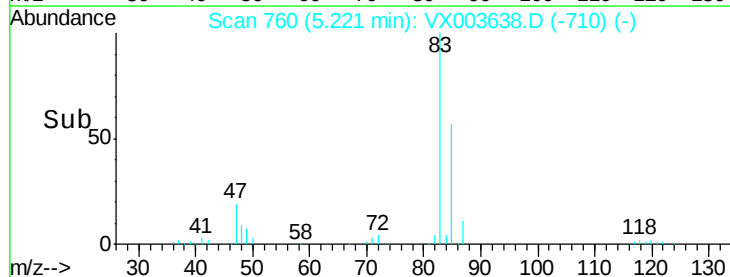
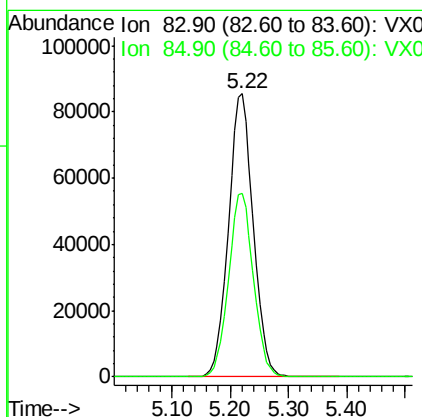
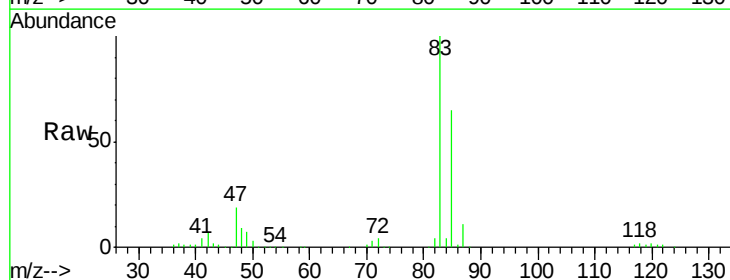
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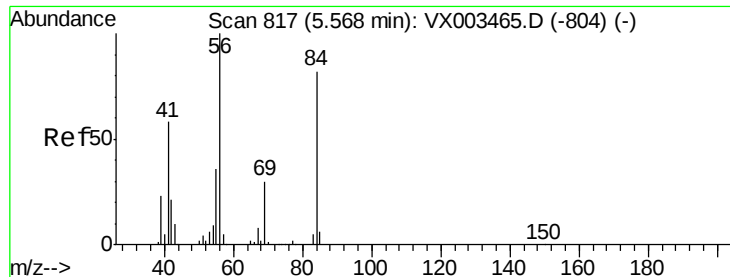
MMDadoda
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#30
Chloroform
Concen: 51.50 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6





#31

Cyclohexane

Concen: 44.59 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

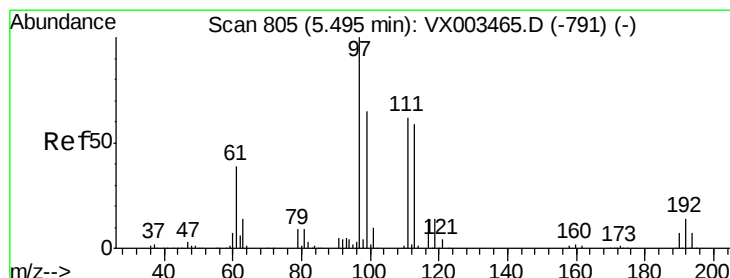
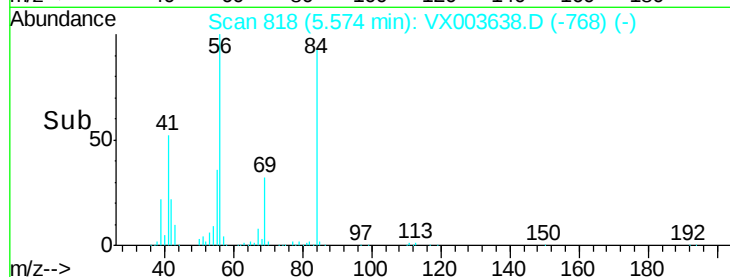
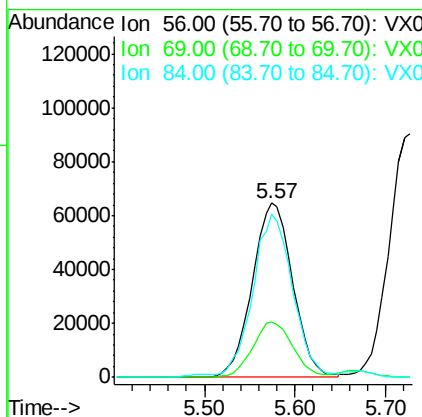
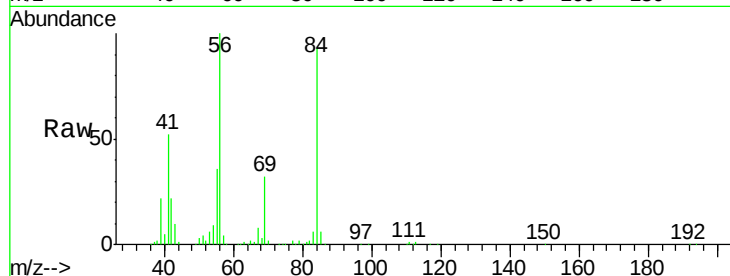
ClientSampleId :

RE123D3-071818MS

Tot Ion:	56	Resp:	199242
Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.7	35.5
84	92.0	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 51.90 ug/l

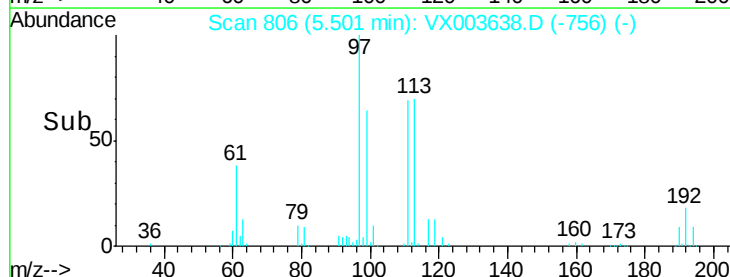
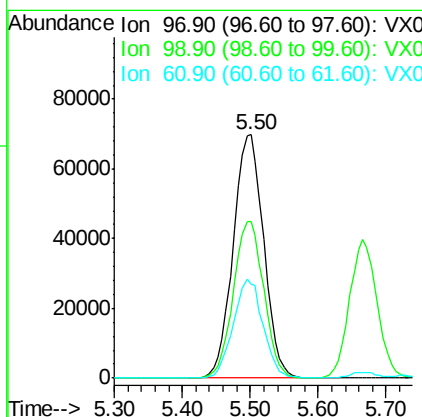
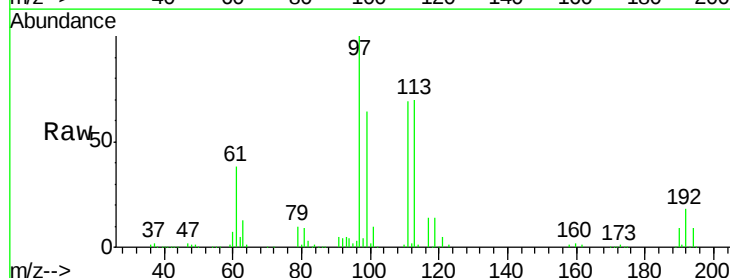
RT: 5.50 min Scan# 806

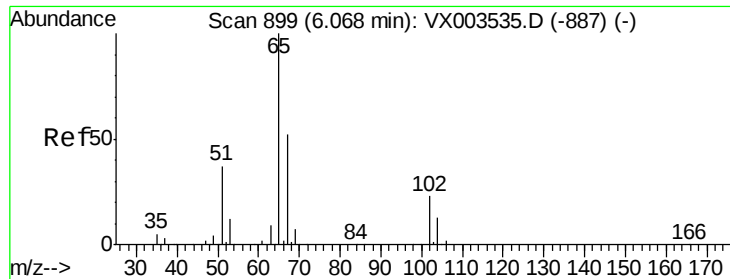
Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion:	97	Resp:	217025
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	39.7	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 50.53 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 65 Resp: 149847

Ion Ratio Lower Upper

65 100

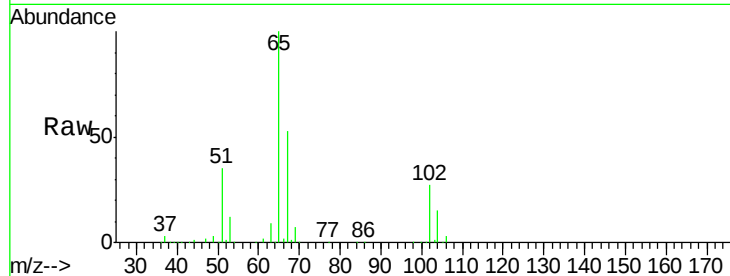
67 54.9 0.0 102.6

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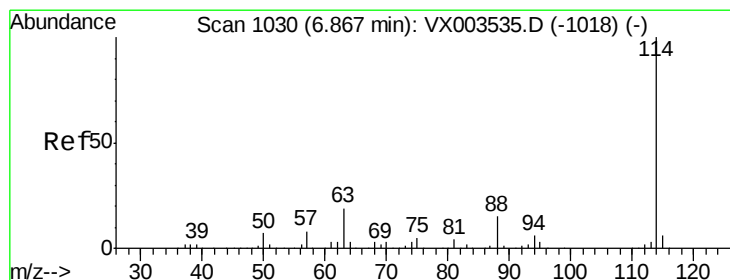
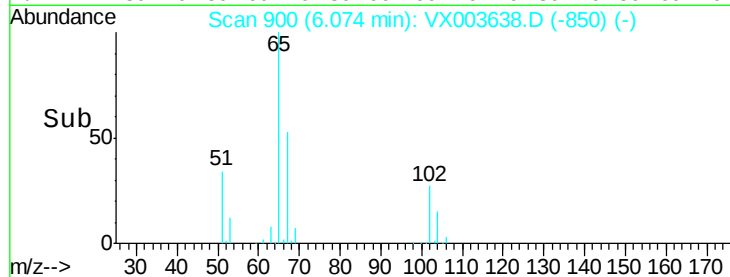
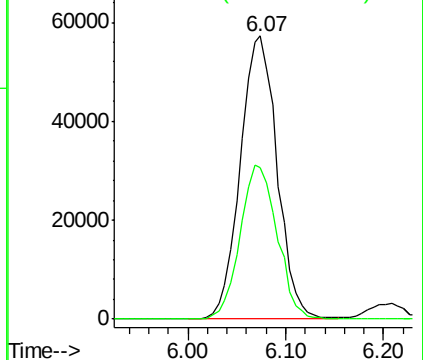
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

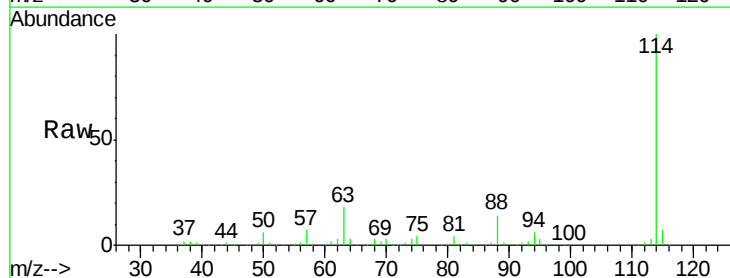
Tgt Ion: 114 Resp: 347862

Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.4

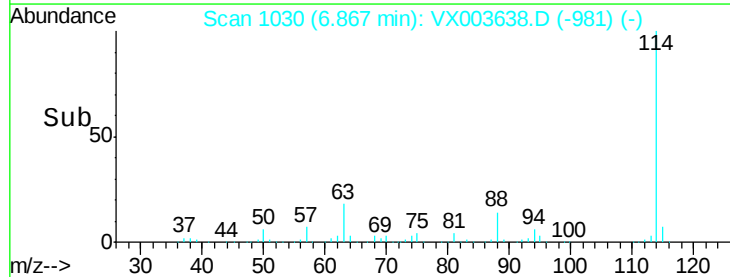
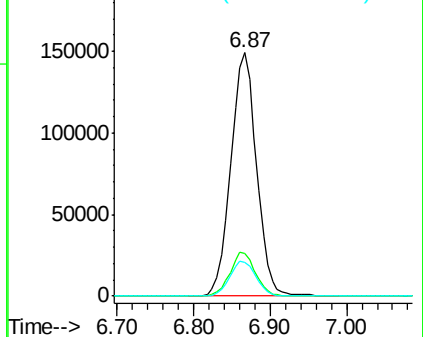
88 14.1 0.0 30.0

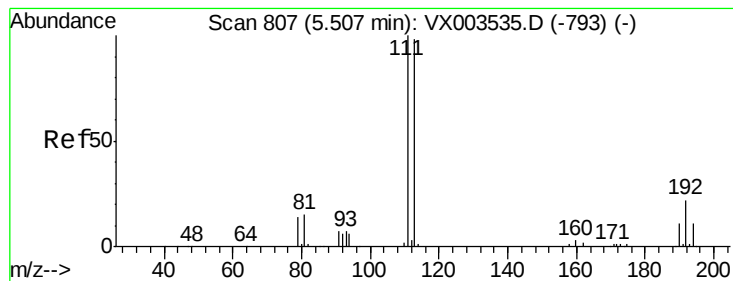


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.42 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

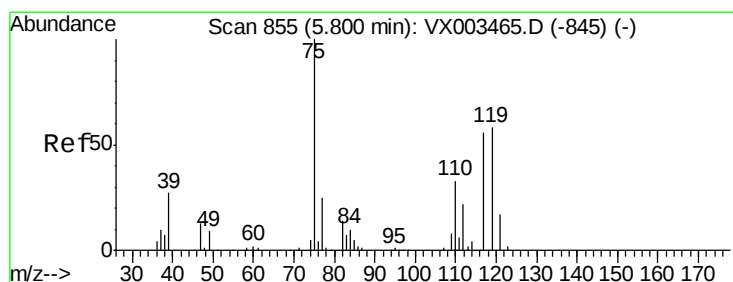
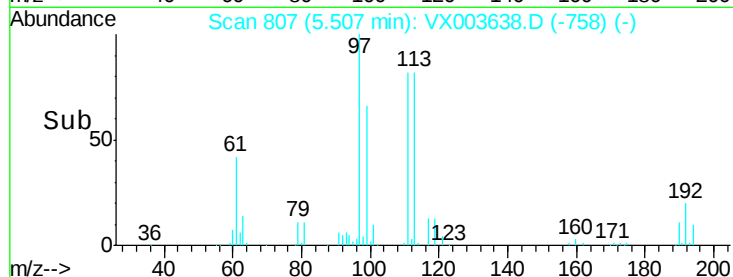
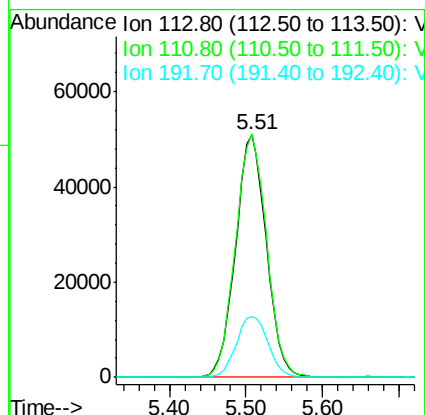
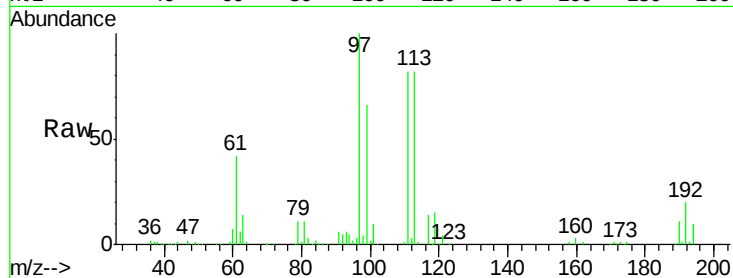
ClientSampleId :

RE123D3-071818MS

Tot Ion:	113	Resp:	141528
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	26.2	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 47.64 ug/l

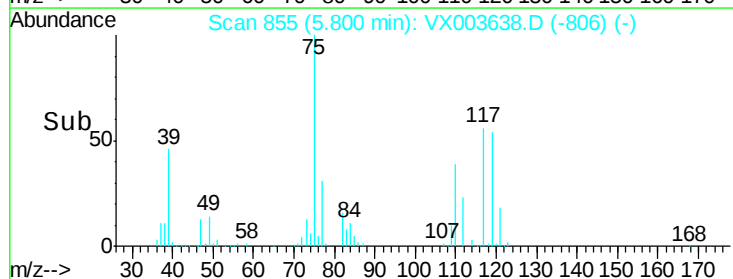
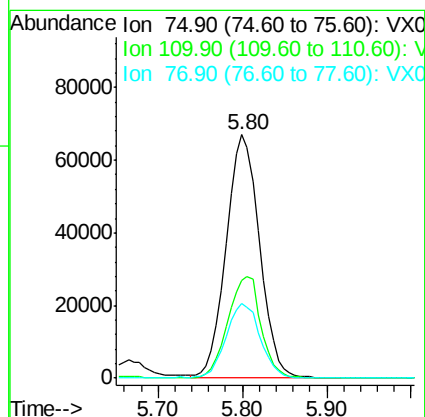
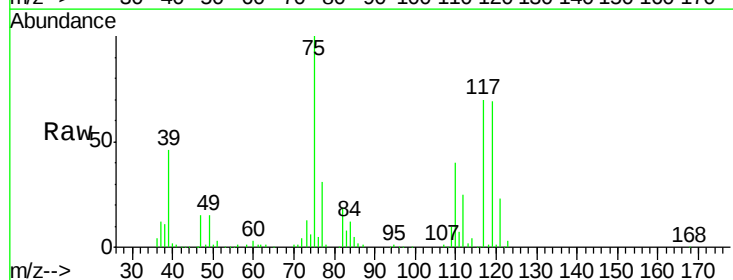
RT: 5.80 min Scan# 855

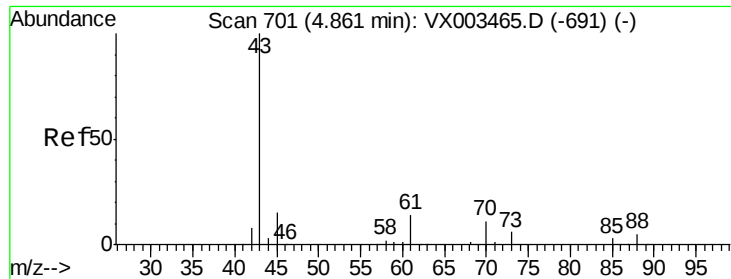
Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion:	75	Resp:	178936
Ion Ratio	Lower	Upper	
75	100		
110	41.5	18.1	54.4
77	31.7	24.3	36.5





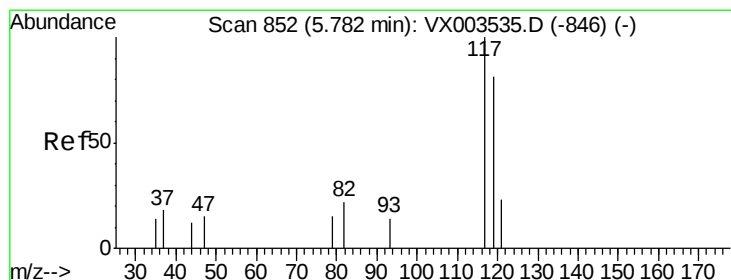
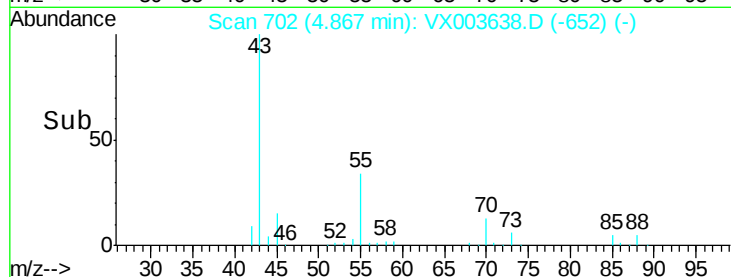
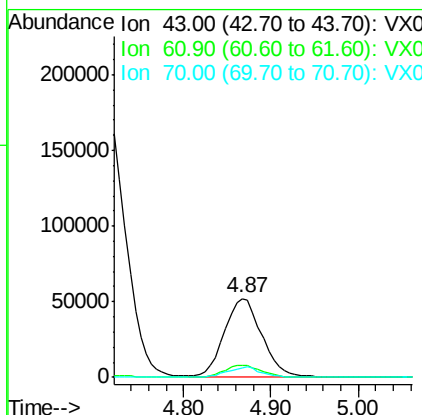
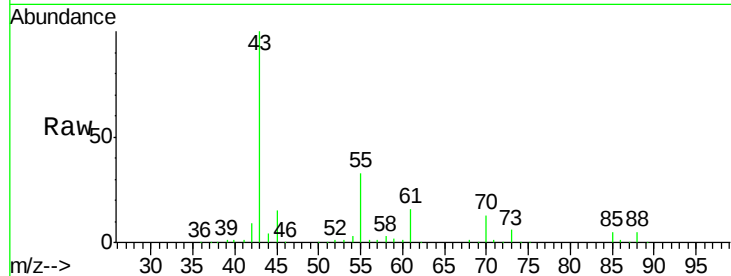
#37
Ethyl Acetate
Concen: 43.30 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.4	15.6
70	12.0	7.6	11.4

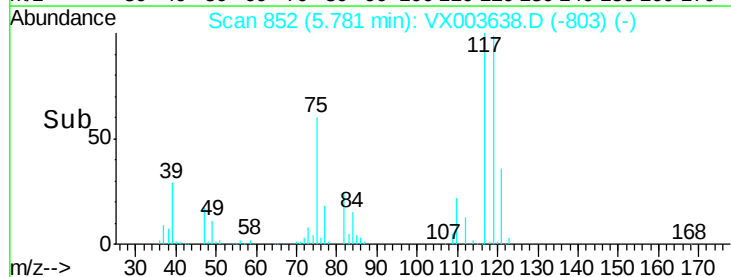
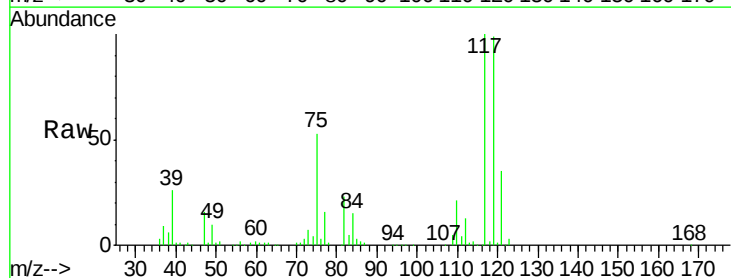
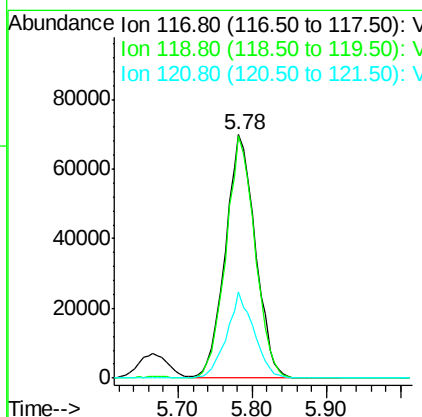
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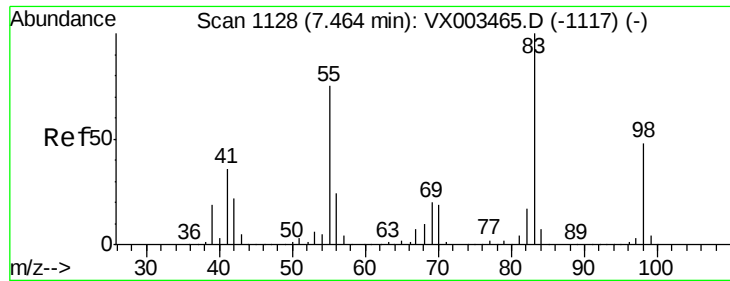
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#38
Carbon Tetrachloride
Concen: 53.43 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.4	116.0
121	35.2	24.4	36.6





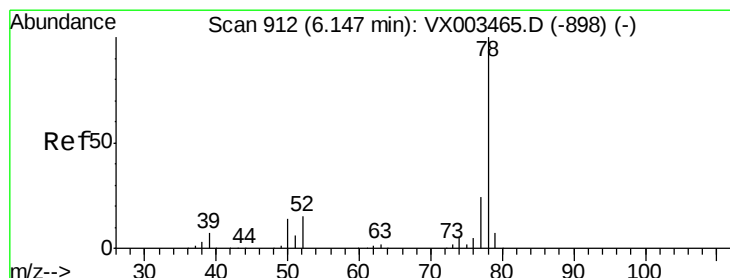
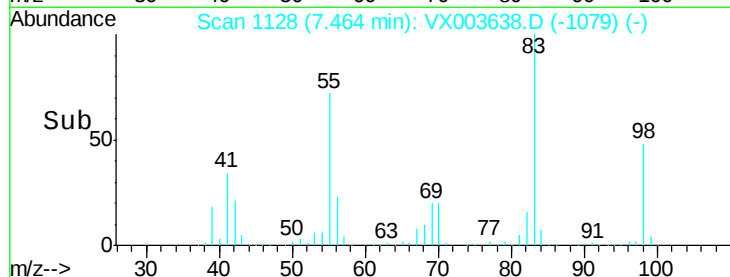
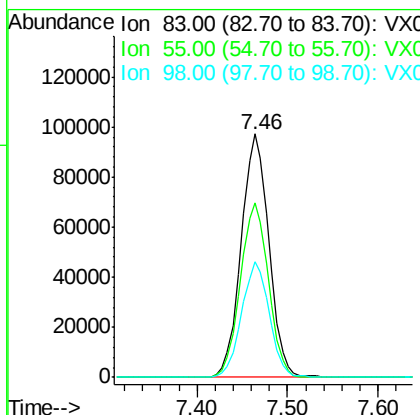
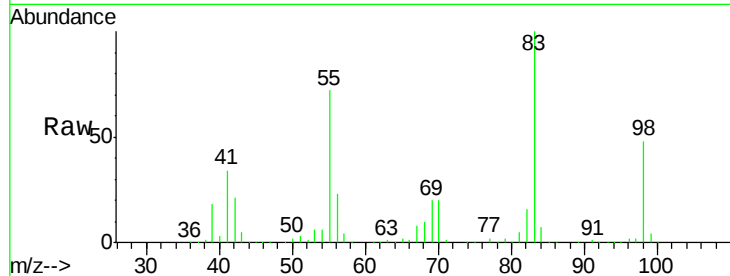
#39
Methvlcvclohexane
Concen: 46.29 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	65.4	98.0
98	47.6	37.4	56.0

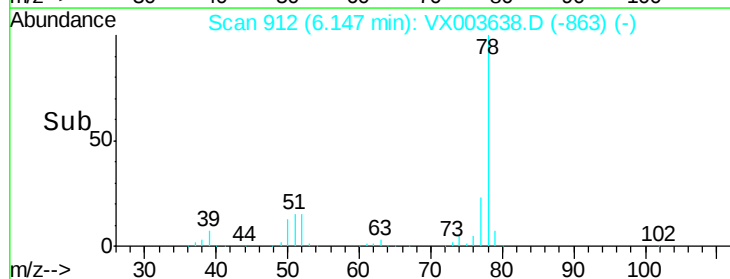
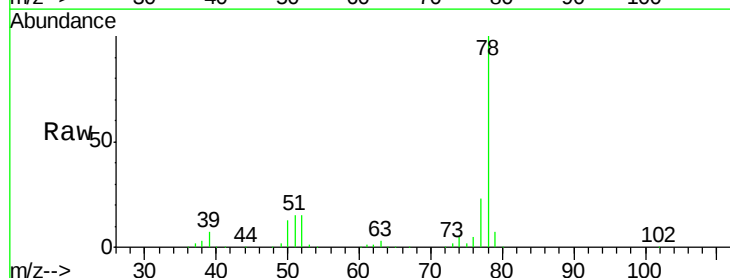
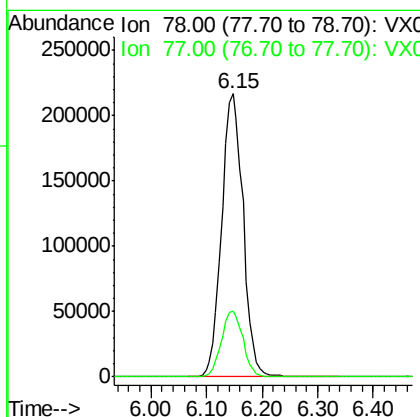
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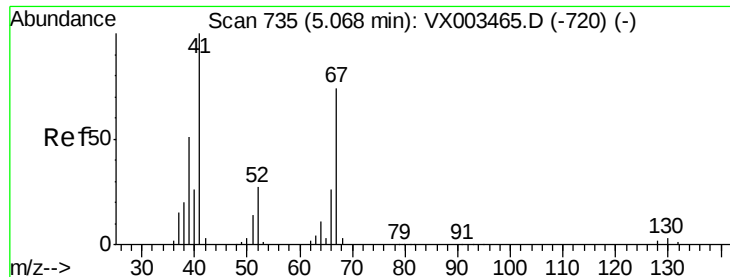
MMDadoda
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#40
Benzene
Concen: 51.03 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





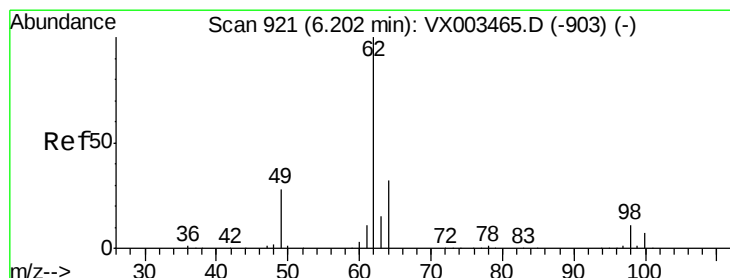
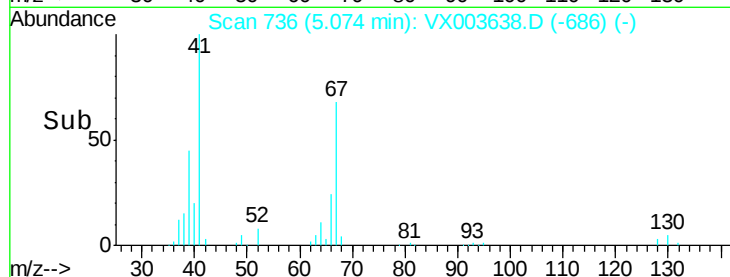
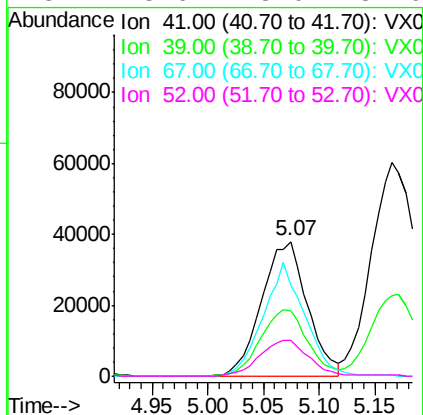
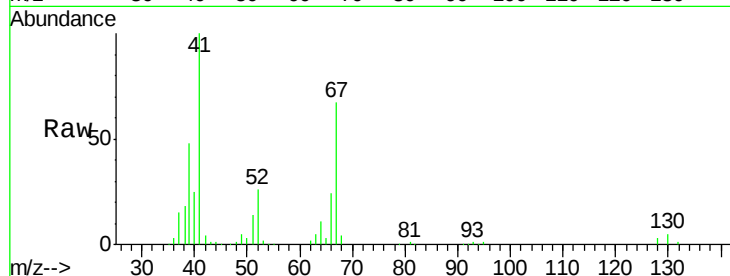
#41
Methacrylonitrile
Concen: 52.16 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion:	41	Resp:	108945
Ion	Ratio	Lower	Upper
41	100		
39	50.5	45.8	68.6
67	76.6	51.3	76.9
52	28.6	23.0	34.6

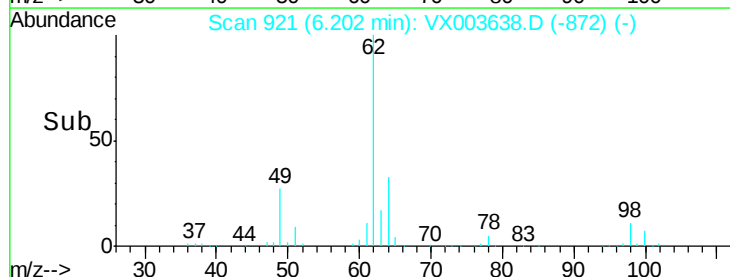
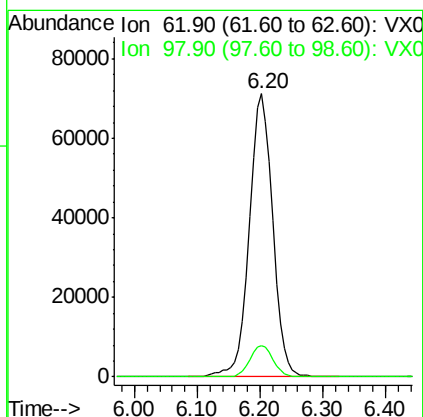
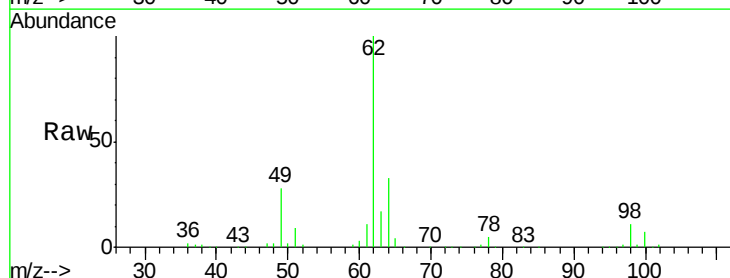
Manual Integrations
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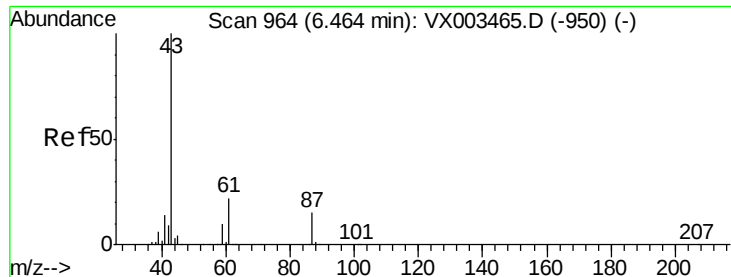
MMDadoda
7/24/2018 3:55:03 PM



#42
1,2-Dichloroethane
Concen: 51.57 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion:	62	Resp:	184237
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	16.6





#43

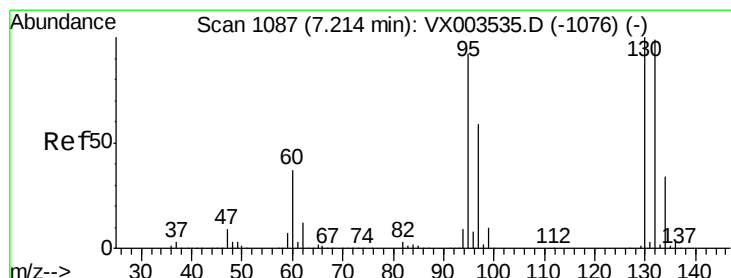
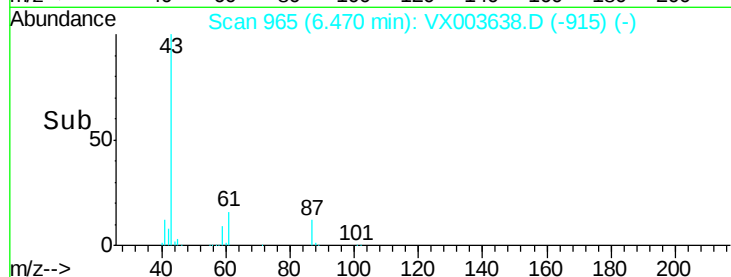
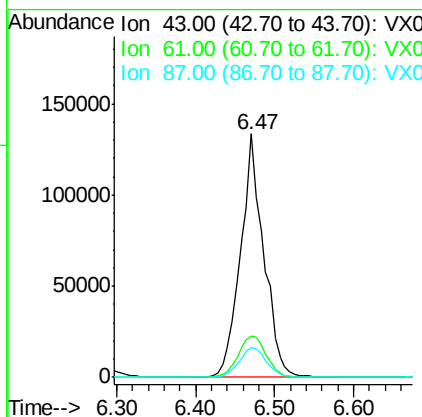
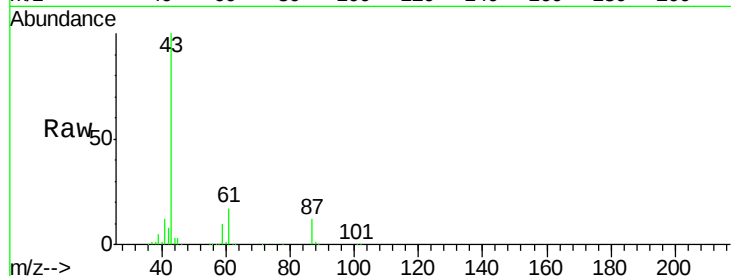
Isopropyl Acetate
 Concen: 48.15 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	14.4	21.6
87	14.7	9.5	14.3

Manual Integrations
 APPROVED

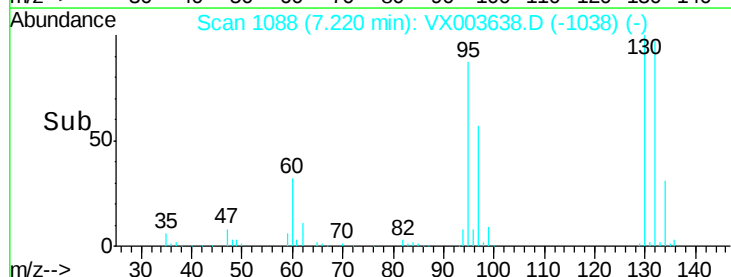
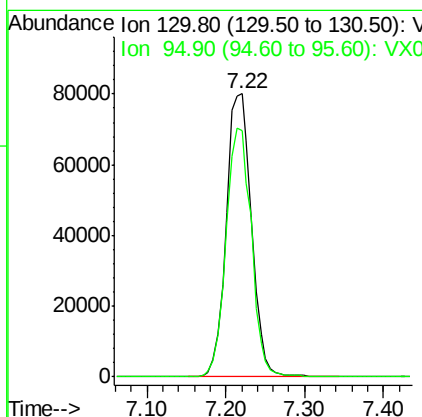
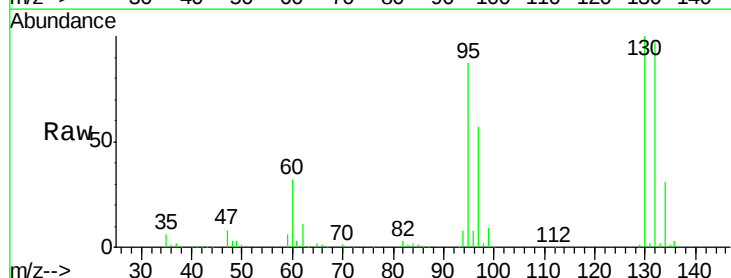
MMDadoda
 7/24/2018 3:55:03 PM

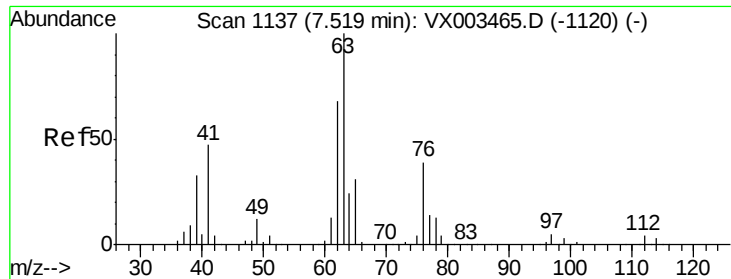


#44

Trichloroethene
 Concen: 52.84 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	185.4





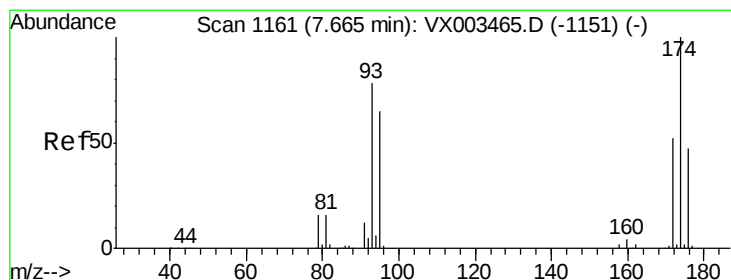
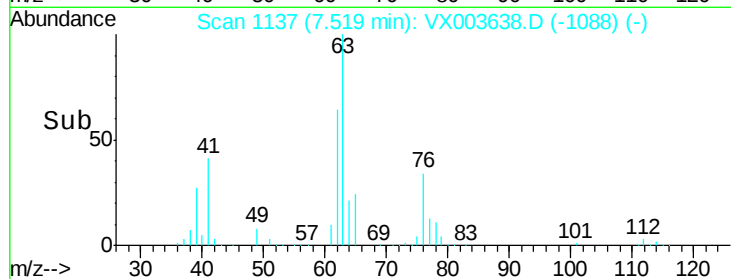
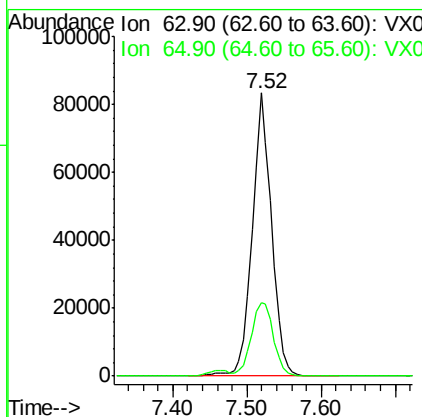
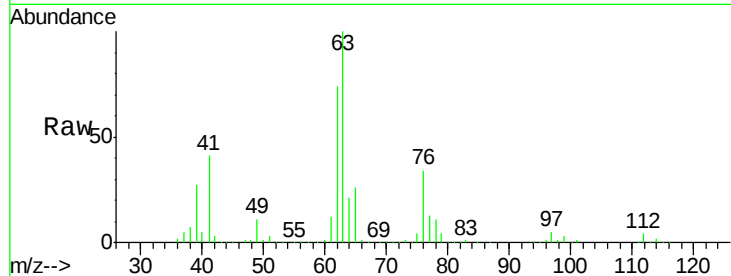
#45
 1,2-Dichloropropane
 Concen: 52.73 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion: 63 Resp: 151814
 Ion Ratio Lower Upper
 63 100
 65 26.0 24.7 37.1

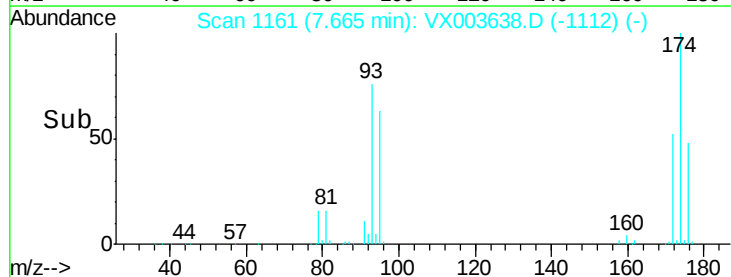
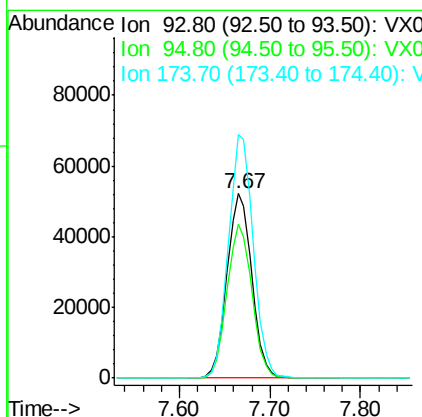
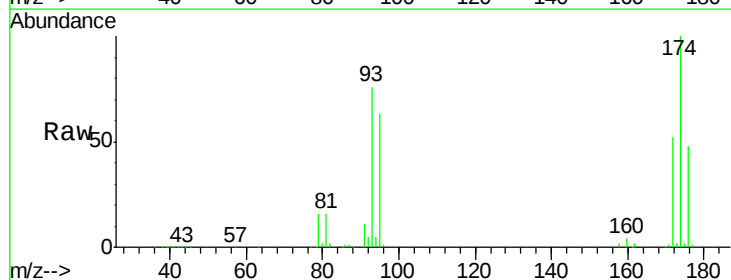
Manual Integrations
 APPROVED

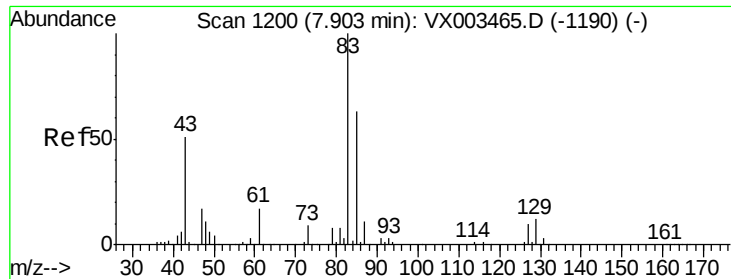
MMDadoda
 7/24/2018 3:55:03 PM



#46
 Dibromomethane
 Concen: 53.65 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion: 93 Resp: 99459
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.9 98.9
 174 132.0 92.4 138.6





#47

Bromodichloromethane

Concen: 54.69 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

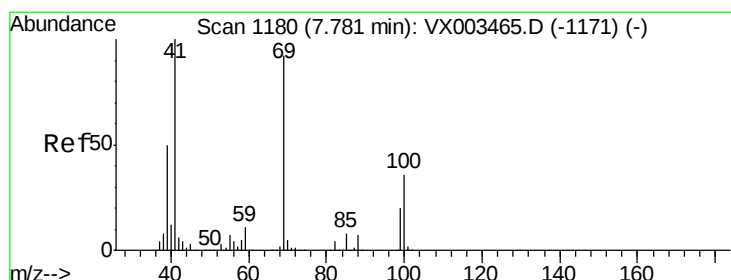
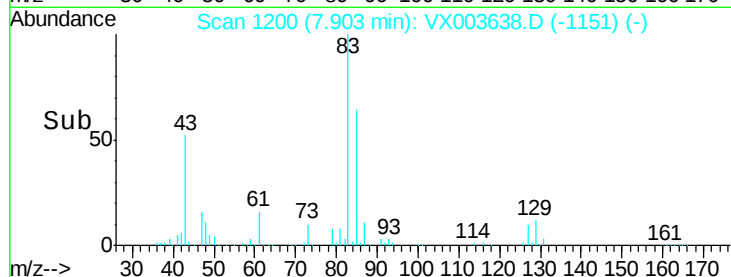
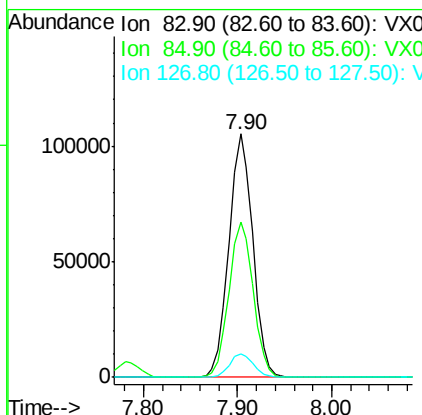
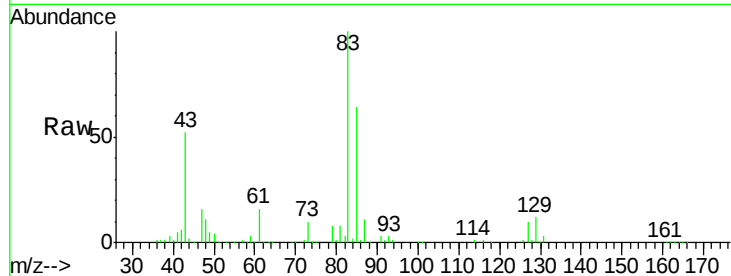
ClientSampleId :

RE123D3-071818MS

Tot Ion:	83	Resp:	185592
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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MMDadoda
7/24/2018 3:55:03 PM



#48

Methyl methacrylate

Concen: 52.01 ug/l

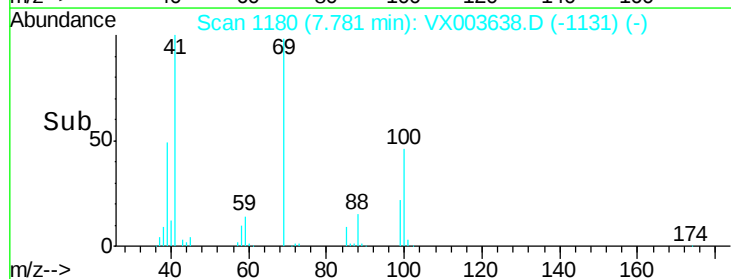
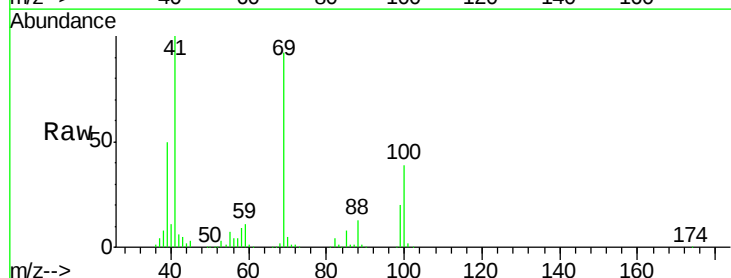
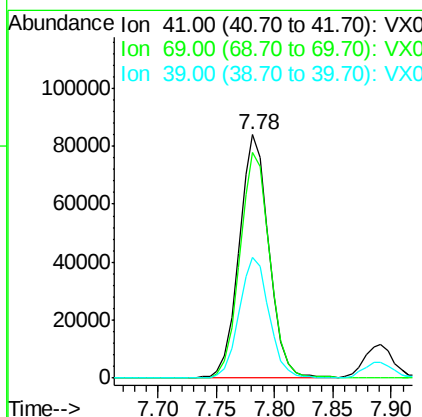
RT: 7.78 min Scan# 1180

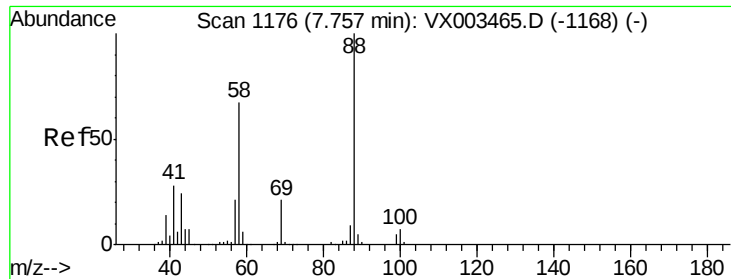
Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion:	41	Resp:	148285
Ion Ratio	Lower	Upper	
41	100		
69	94.1	59.1	88.7#
39	50.2	48.9	73.3





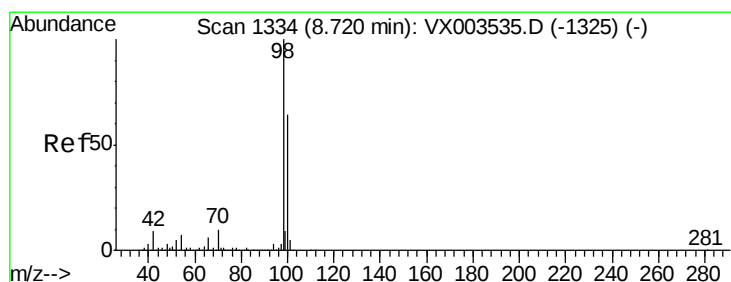
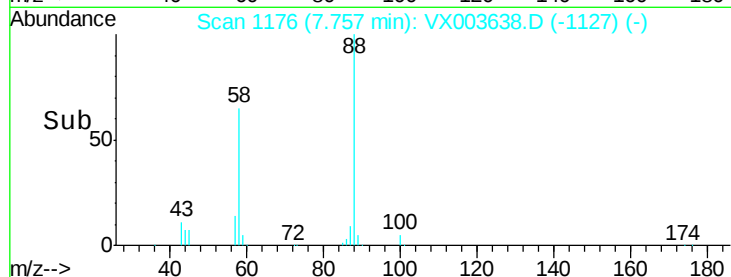
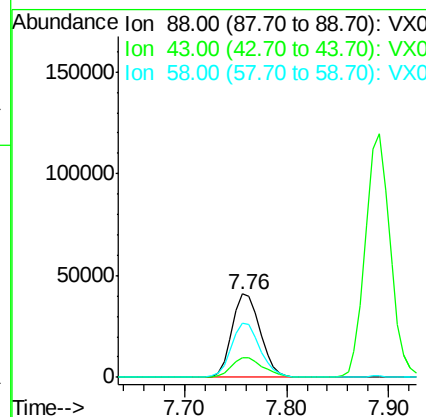
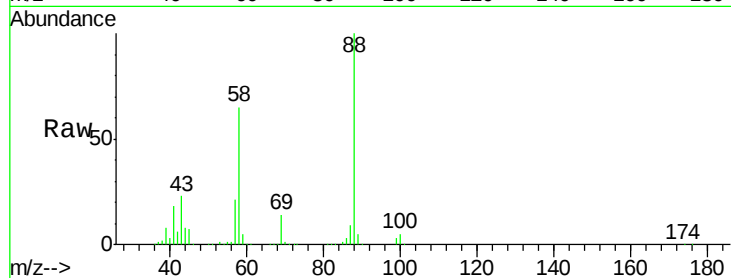
#49
1,4-Dioxane
Concen: 1220.99 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	29.8	44.6#
58	66.4	57.1	85.7

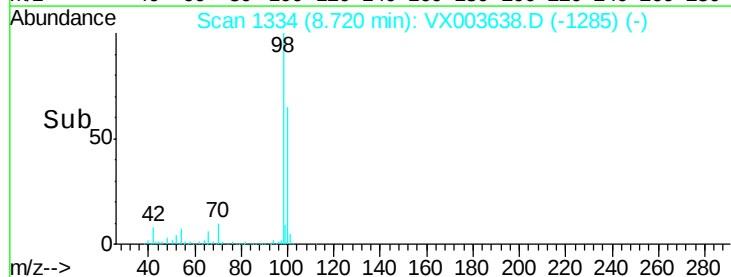
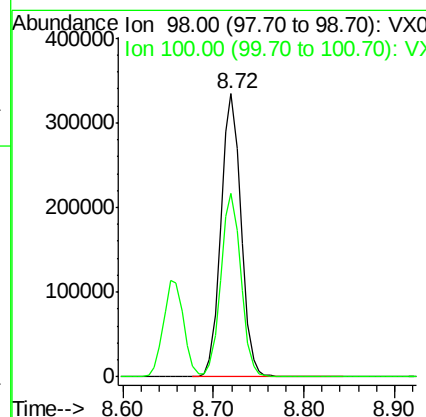
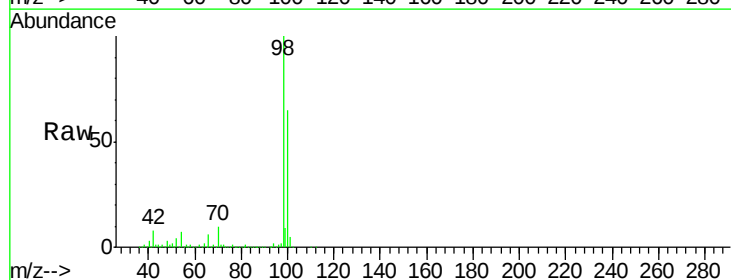
Manual Integrations
APPROVED

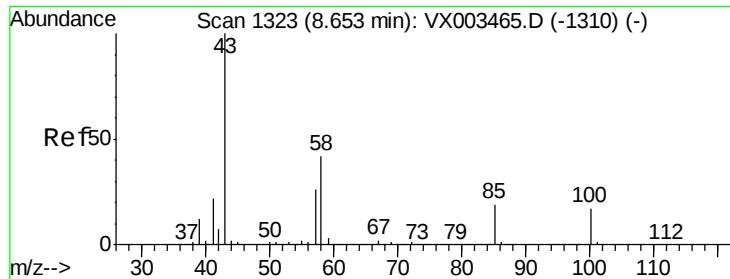
MMDadoda
7/24/2018 3:55:03 PM



#50
Toluene-d8
Concen: 52.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	50.9	76.3





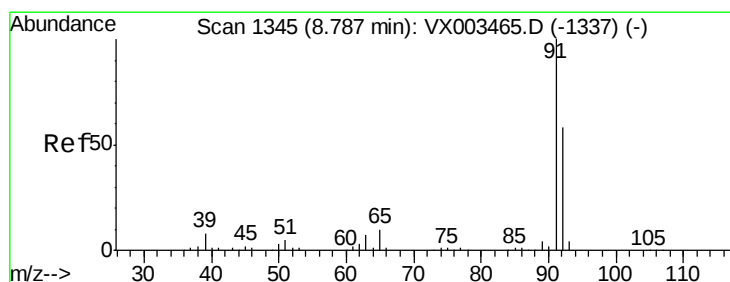
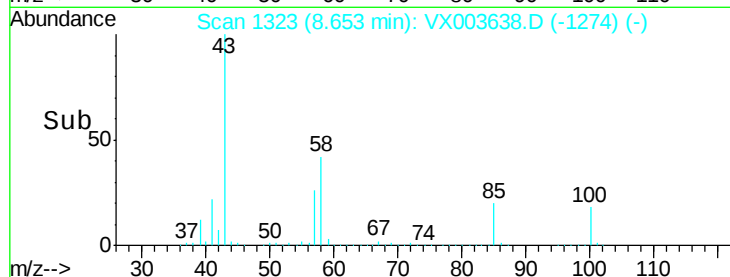
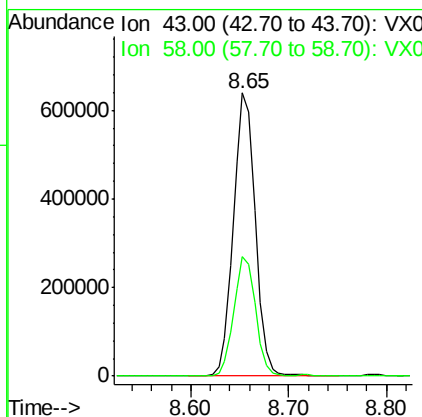
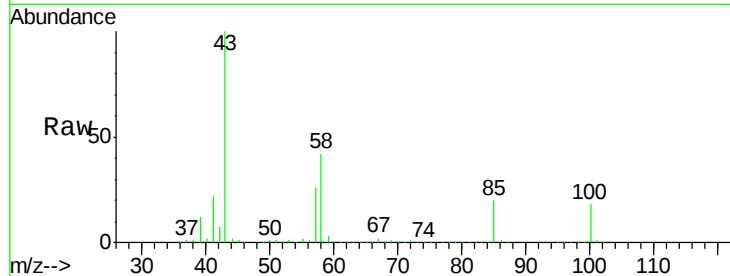
#51
4-Methyl-2-Pentanone
Concen: 277.97 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	42.0		28.6	42.8	

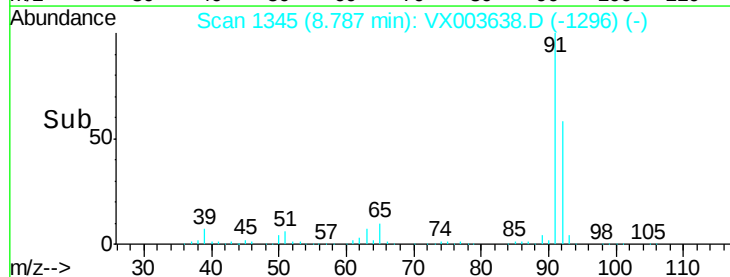
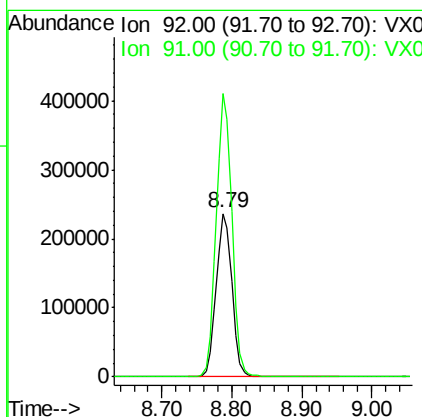
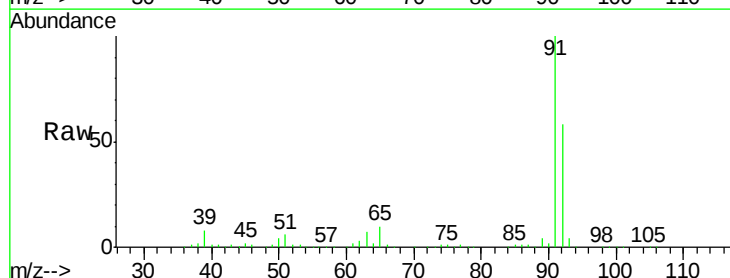
Manual Integrations
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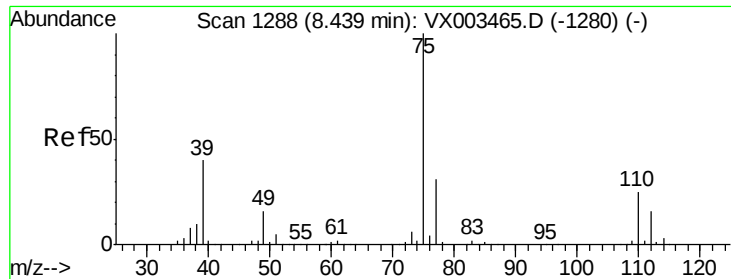
MMDadoda
7/24/2018 3:55:03 PM



#52
Toluene
Concen: 51.77 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	173.3		140.4	210.6	





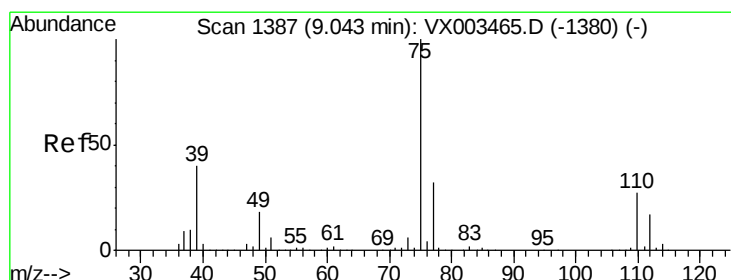
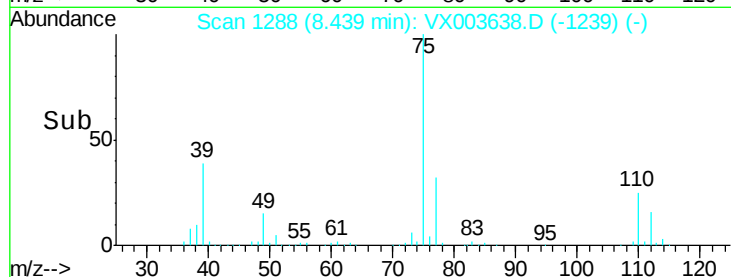
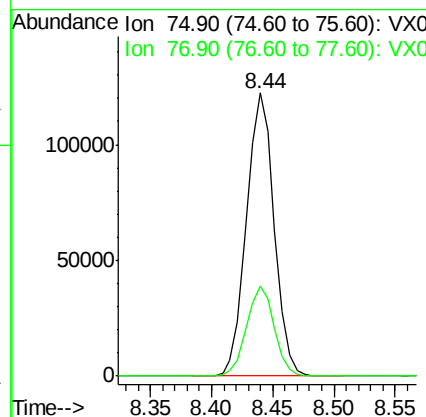
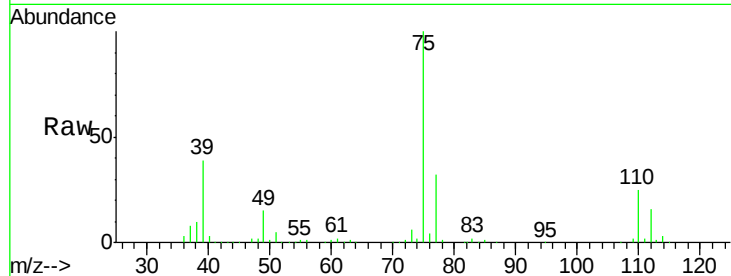
#53
t-1,3-Dichloropropene
Concen: 46.05 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

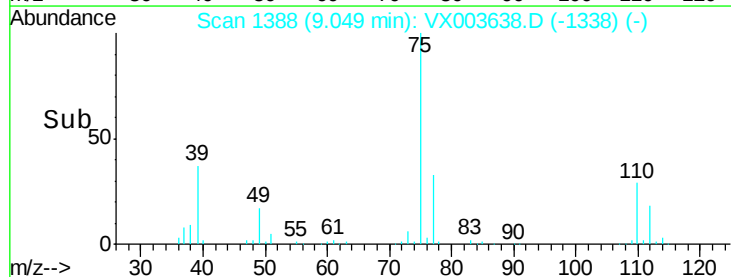
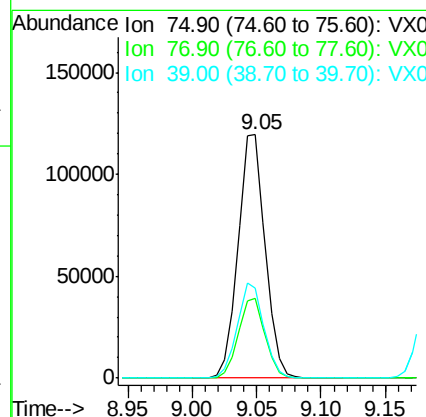
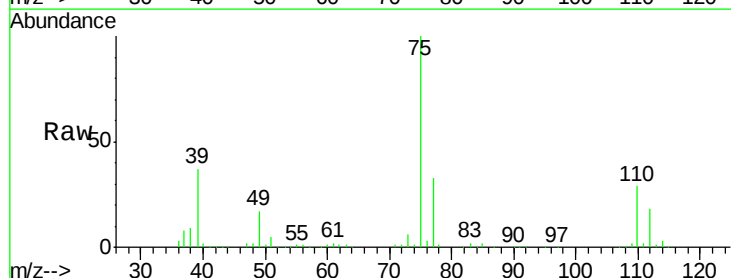
Manual Integrations
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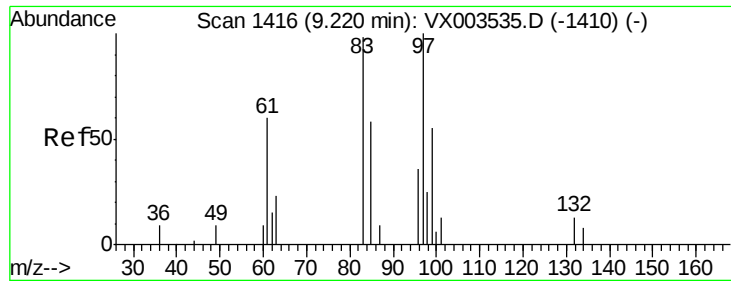
MMDadoda
7/24/2018 3:55:03 PM



#54
cis-1,3-Dichloropropene
Concen: 46.66 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.8	37.2
39	37.1	42.4	63.6#





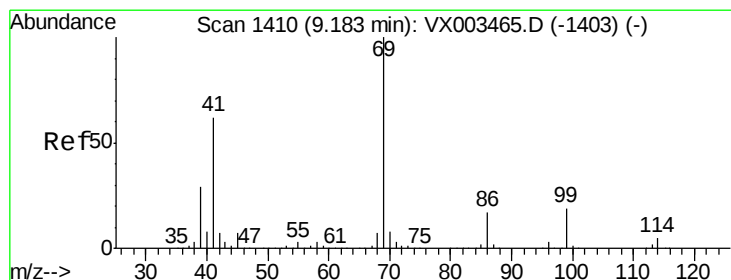
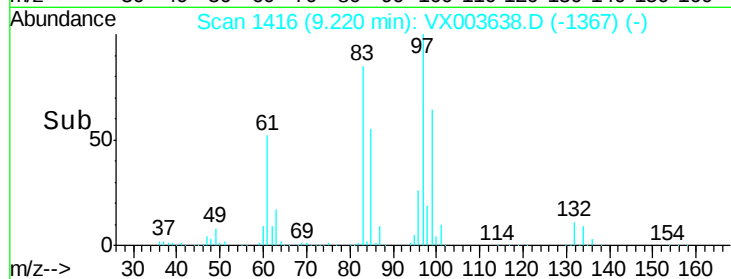
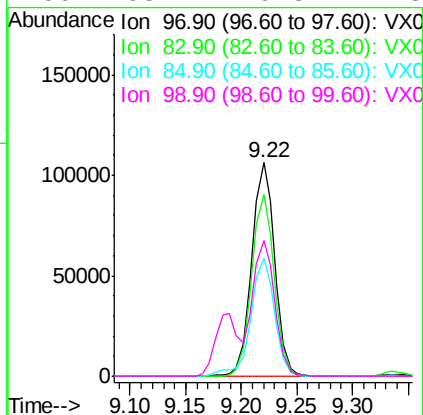
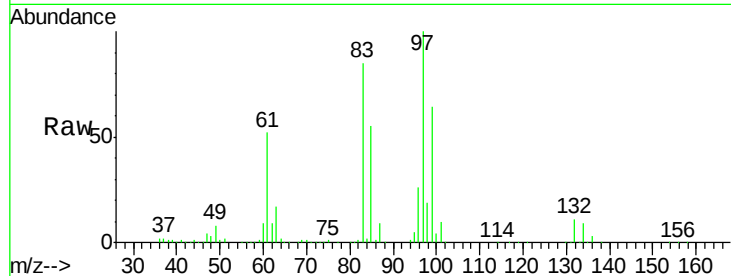
#55
 1,1,2-Trichloroethane
 Concen: 53.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion:	97	Resp:	153120
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	55.4	44.9	67.3
99	63.7	49.8	74.8

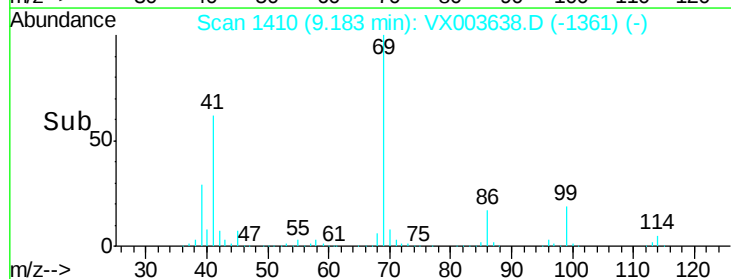
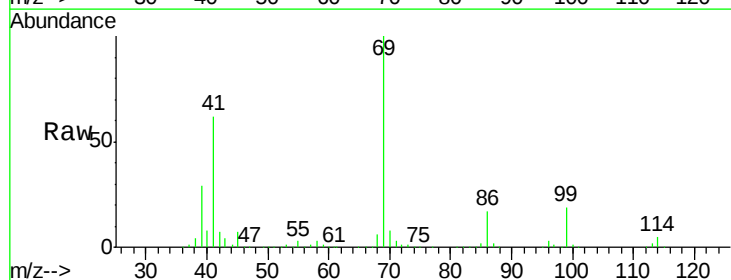
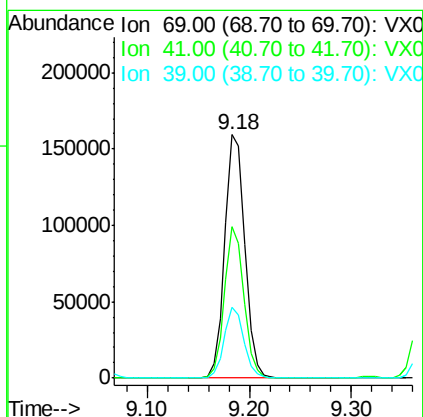
Manual Integrations
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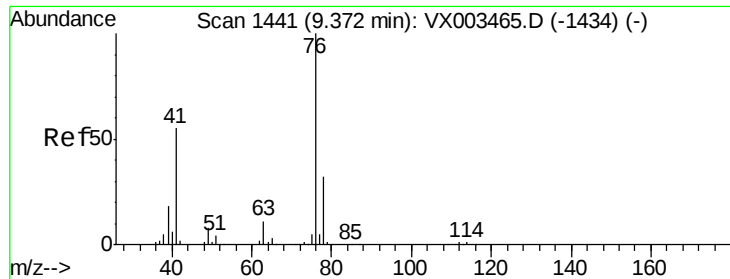
MMDadoda
 7/24/2018 3:55:03 PM



#56
 Ethyl methacrylate
 Concen: 54.66 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion:	69	Resp:	218680
Ion	Ratio	Lower	Upper
69	100		
41	59.9	60.3	90.5#
39	28.4	35.8	53.8#





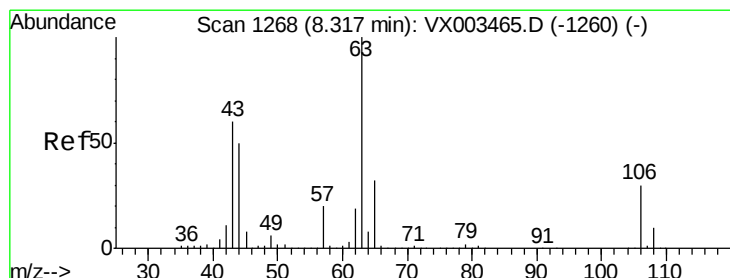
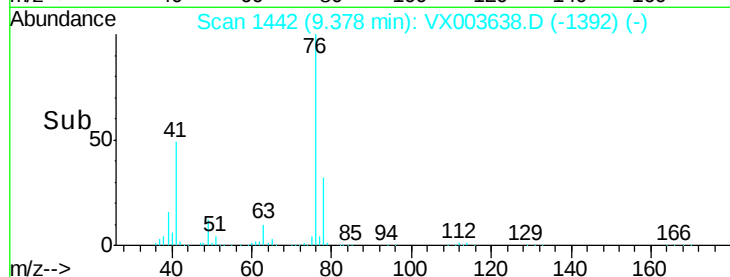
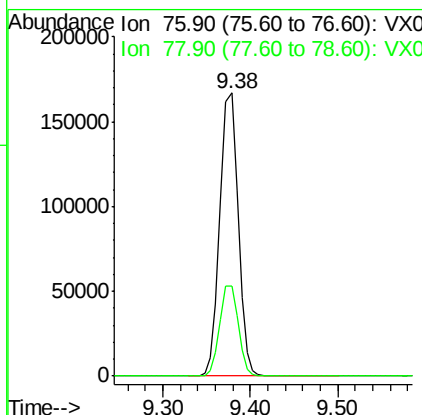
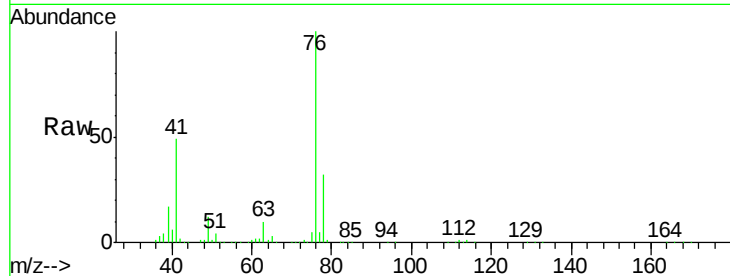
#57
 1,3-Dichloropropane
 Concen: 53.00 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion: 76 Resp: 243347
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

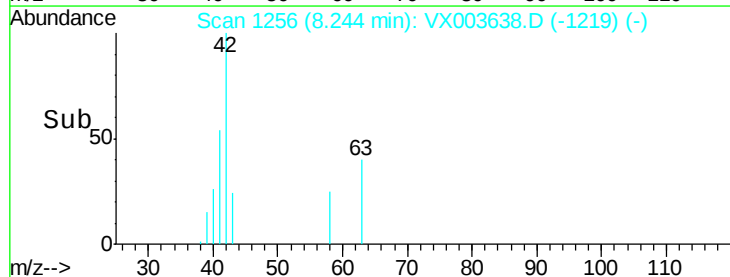
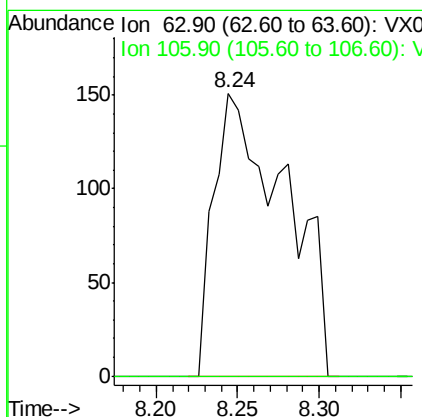
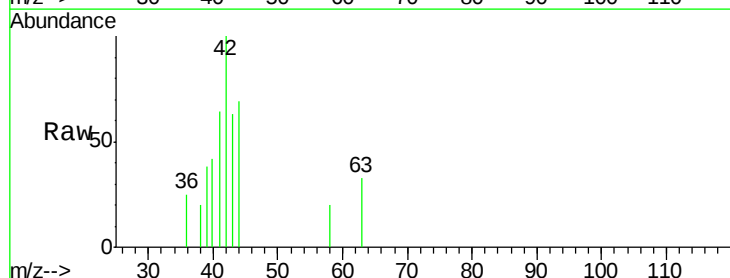
Manual Integrations
 APPROVED

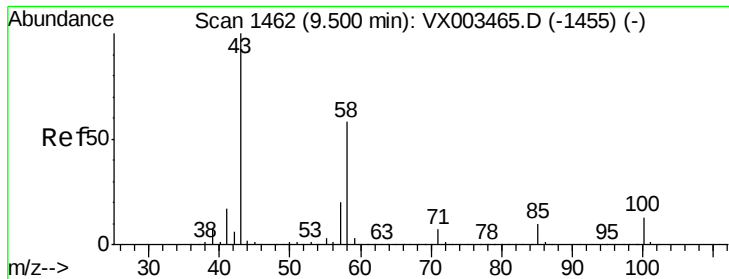
MMDadoda
 7/24/2018 3:55:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.24 ug/l
 RT: 8.24 min Scan# 1256
 Delta R.T. -0.07 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion: 63 Resp: 461
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.8#





#59

2-Hexanone

Concen: 286.59 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 43 Resp: 758394

Ion Ratio Lower Upper

43 100

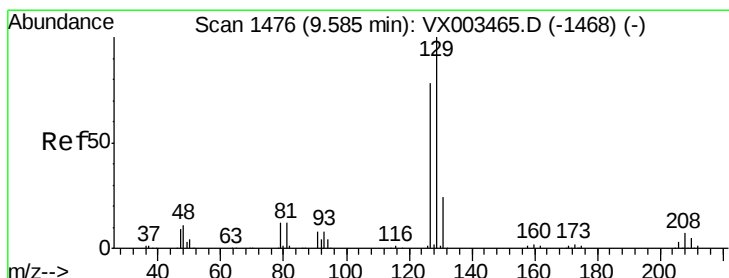
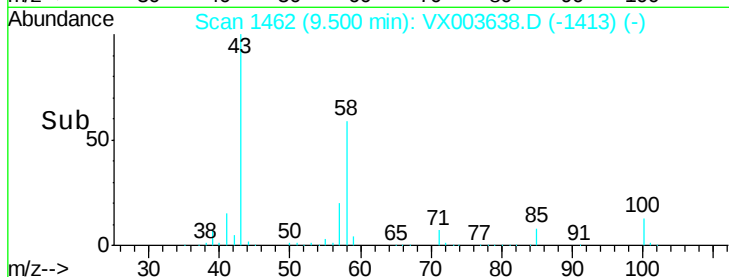
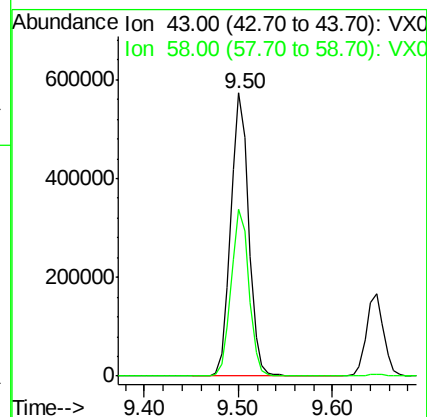
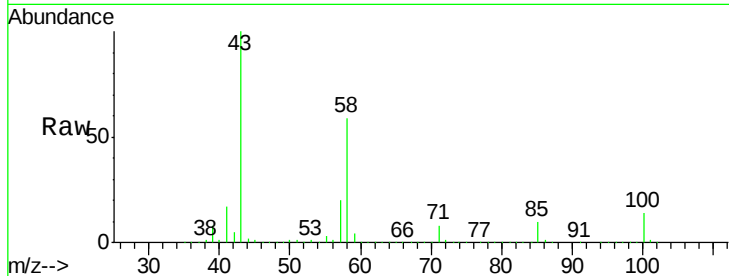
58 58.9 24.6 73.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 58.02 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003638.D

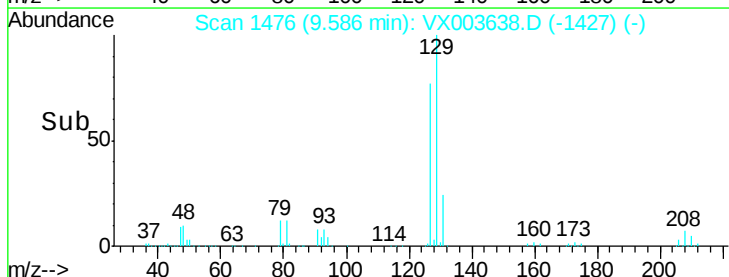
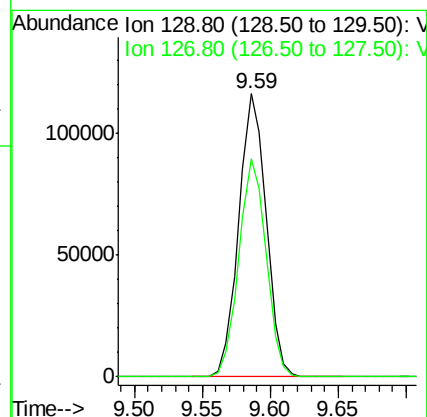
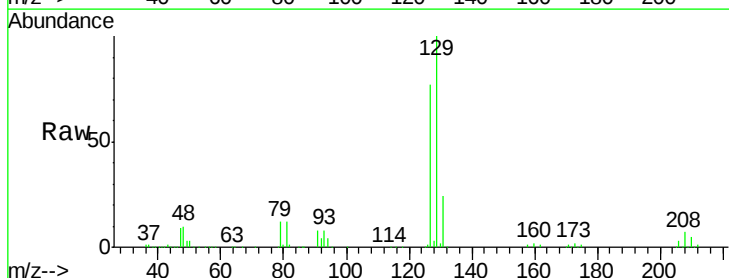
Acq: 24 Jul 2018 07:36

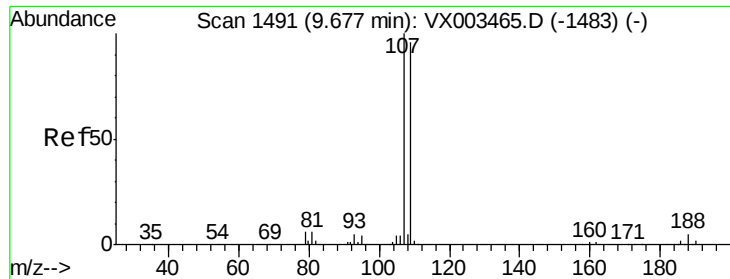
Tgt Ion: 129 Resp: 163118

Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 54.82 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion:107 Resp: 161419

Ion Ratio Lower Upper

107 100

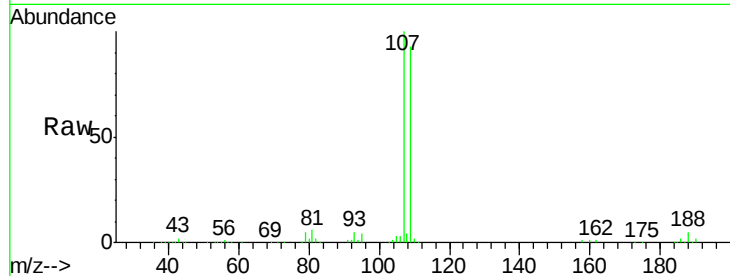
109 94.0 75.3 112.9

Manual Integrations

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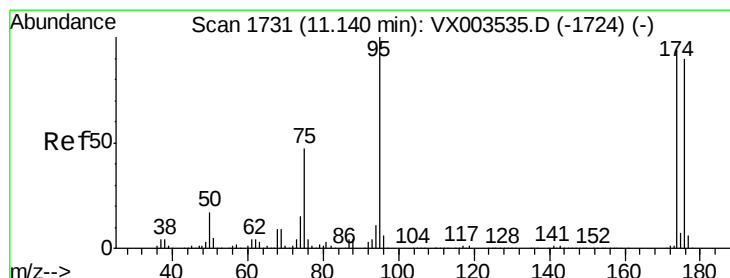
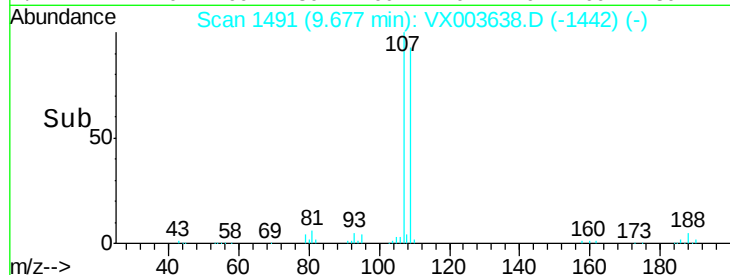
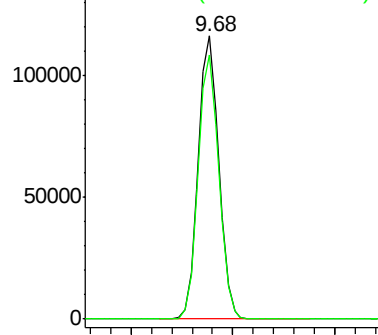
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

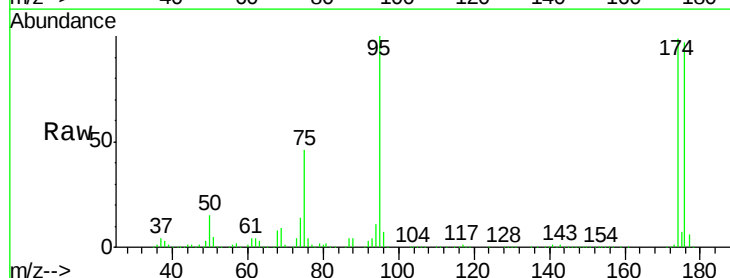
Tgt Ion: 95 Resp: 191242

Ion Ratio Lower Upper

95 100

174 102.5 0.0 187.4

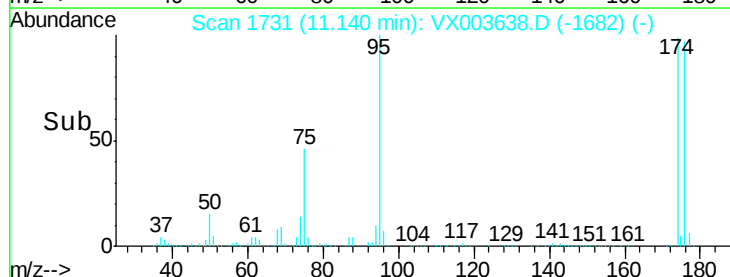
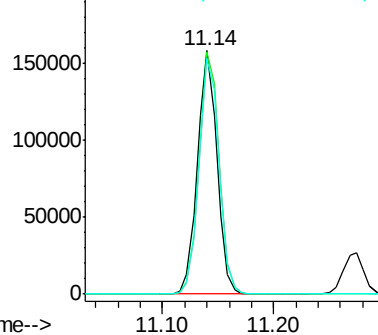
176 99.8 0.0 181.0

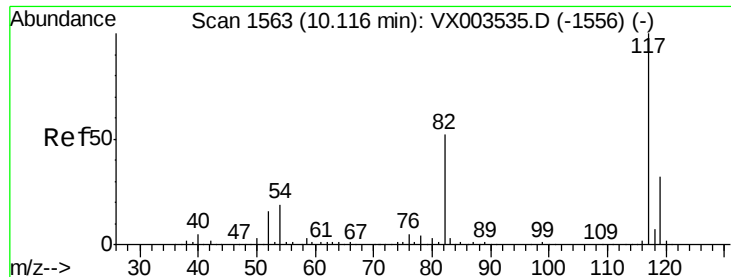


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





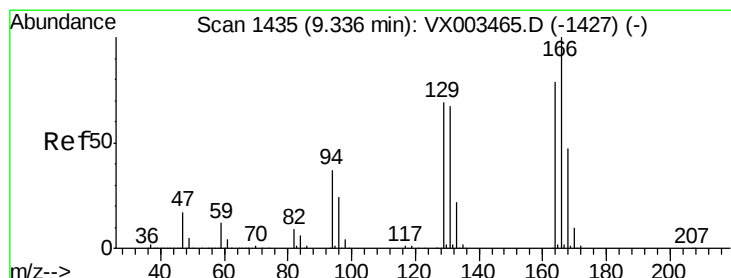
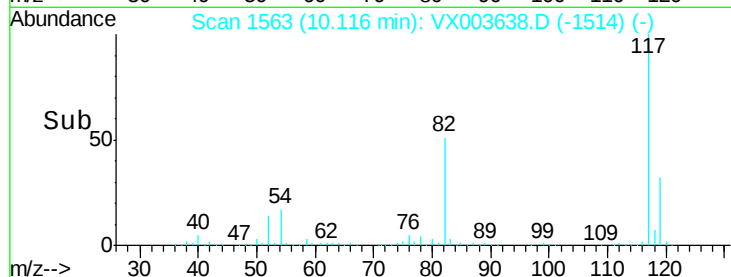
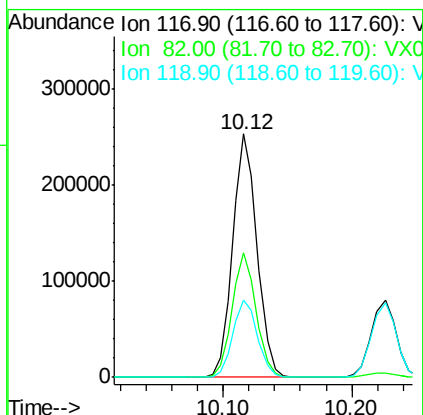
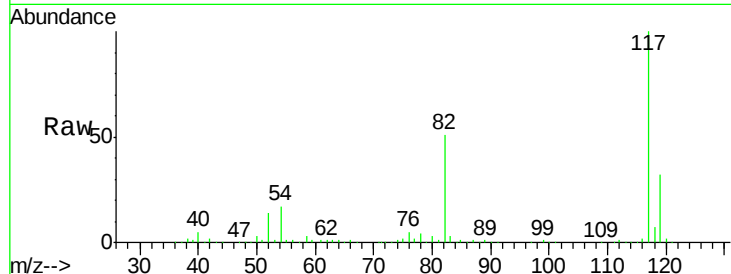
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	45.0	67.4
119	31.6	25.8	38.6

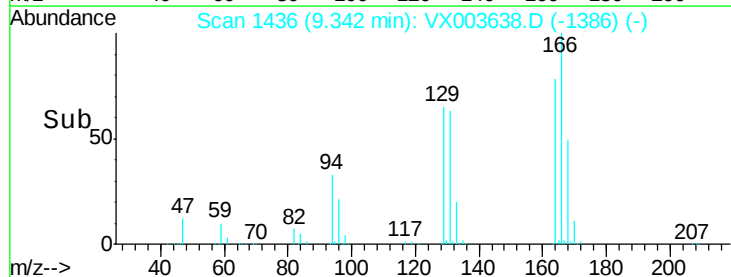
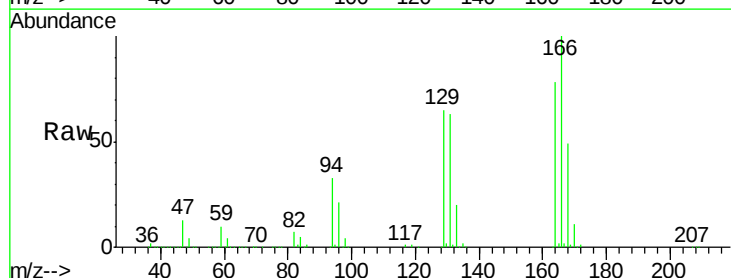
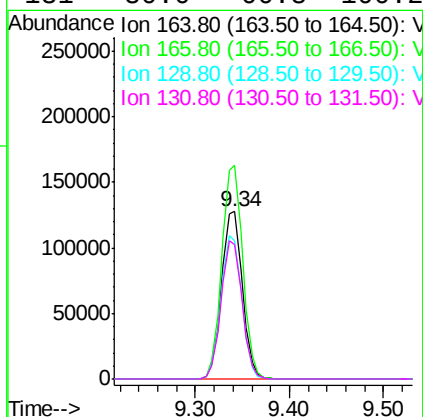
Manual Integrations
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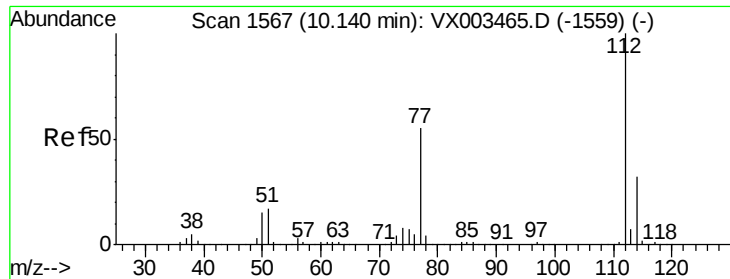
MMDadoda
7/24/2018 3:55:03 PM



#64
Tetrachloroethene
Concen: 48.17 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.9	154.3
129	82.9	68.6	102.8
131	80.0	66.8	100.2





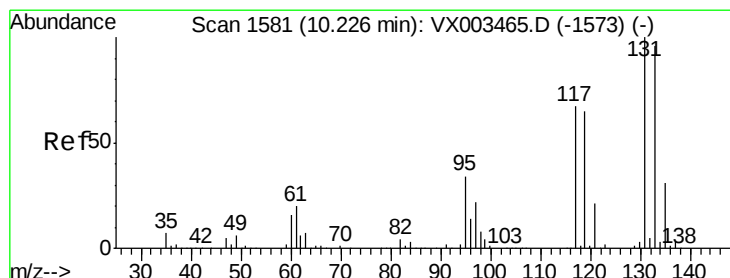
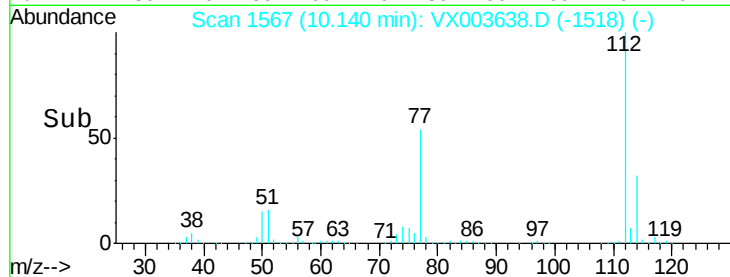
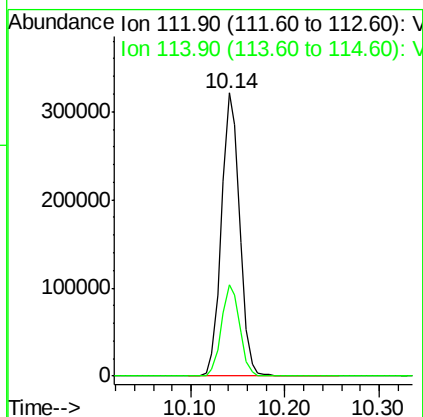
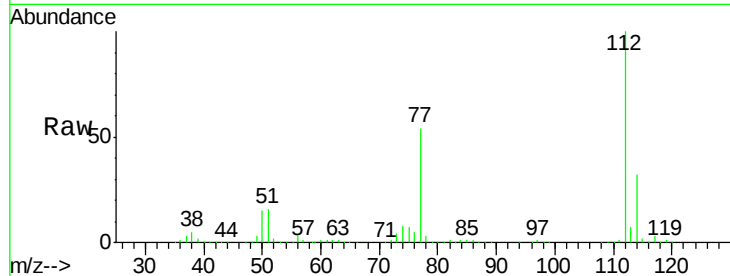
#65
Chlorobenzene
Concen: 50.11 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion:112 Resp: 430594
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

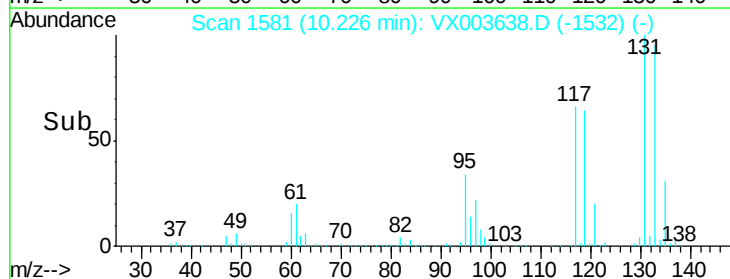
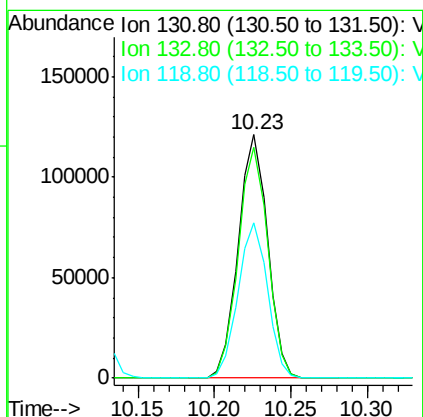
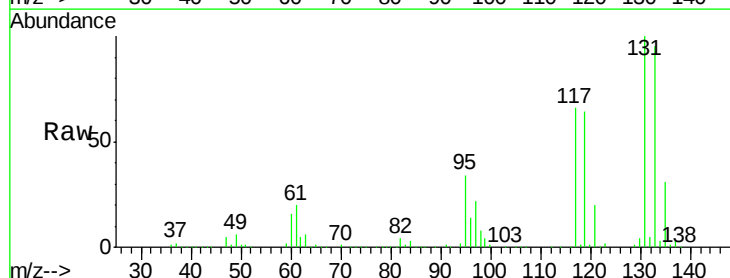
Manual Integrations
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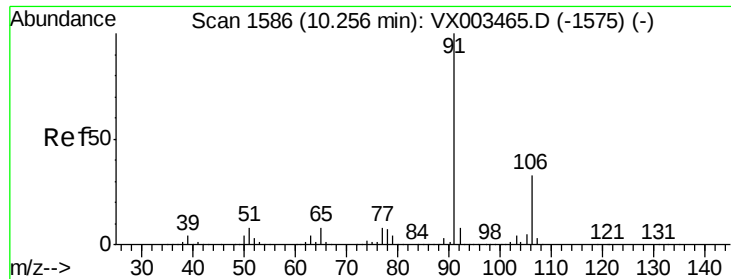
MMDadoda
7/24/2018 3:55:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.67 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion:131 Resp: 161641
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.6
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 50.56 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 91 Resp: 698601

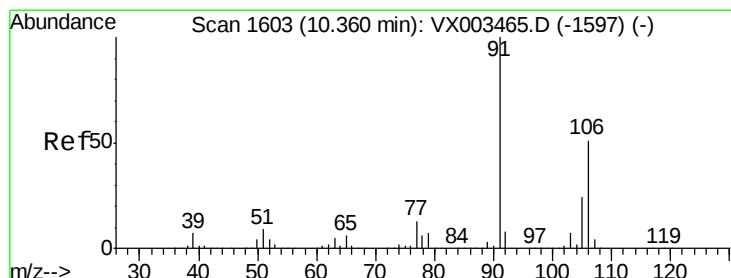
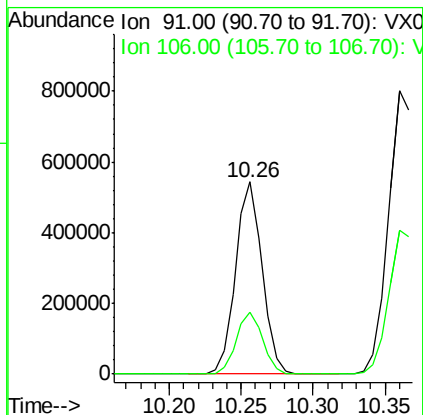
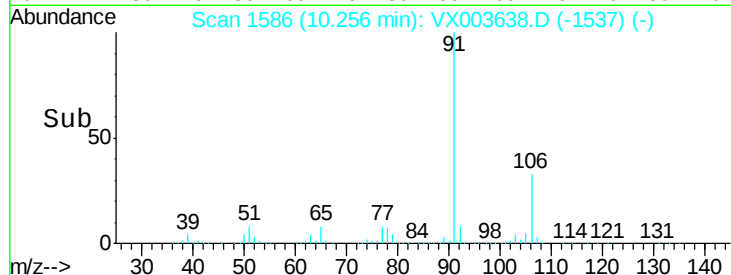
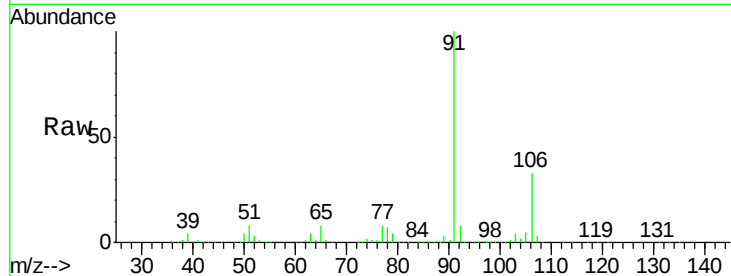
Ion Ratio Lower Upper

91 100

106 32.5 25.5 38.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 102.90 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003638.D

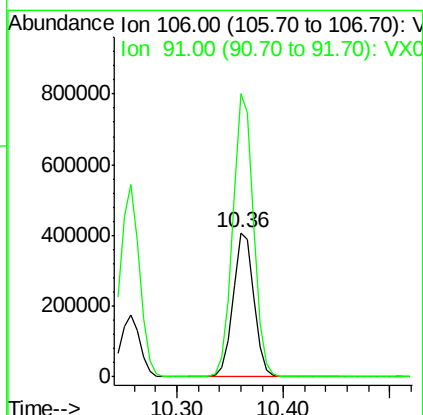
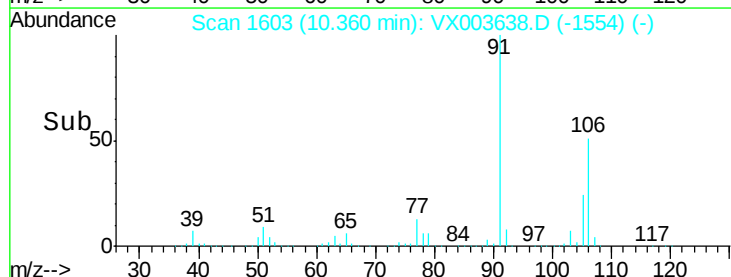
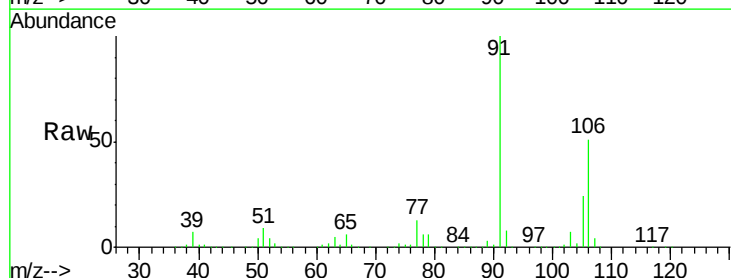
Acq: 24 Jul 2018 07:36

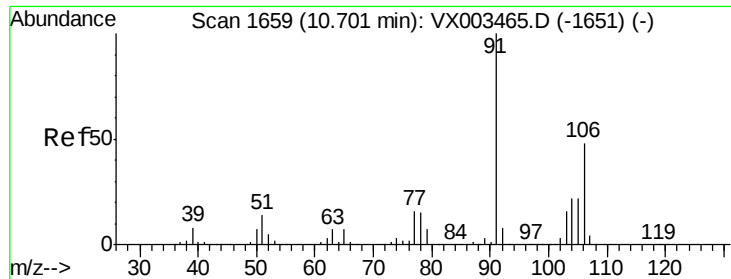
Tgt Ion: 106 Resp: 557370

Ion Ratio Lower Upper

106 100

91 195.6 163.4 245.2





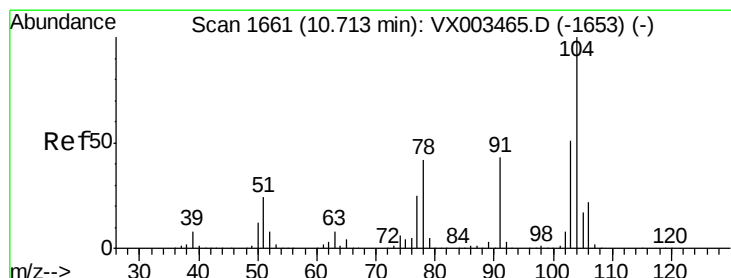
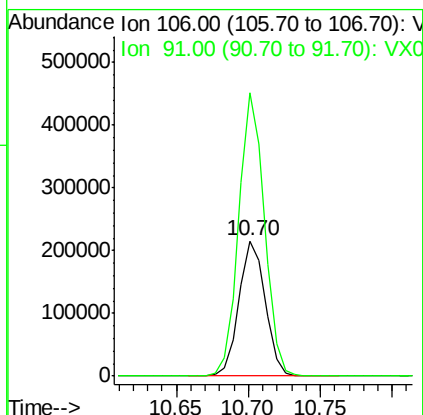
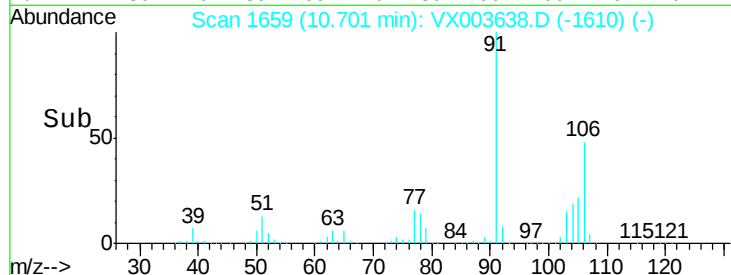
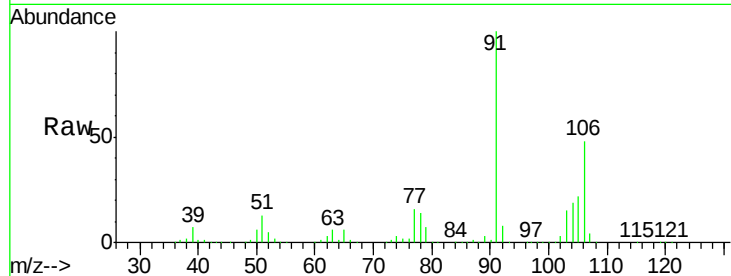
#69
o-Xylene
Concen: 52.15 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion:106 Resp: 273178
Ion Ratio Lower Upper
106 100
91 205.4 108.2 324.6

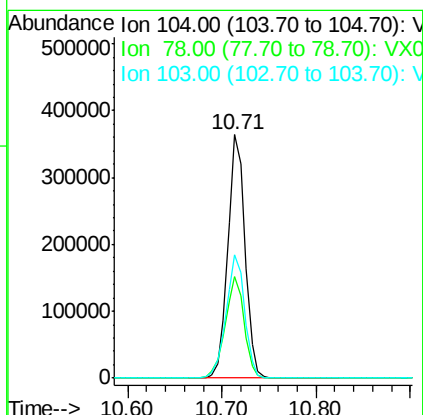
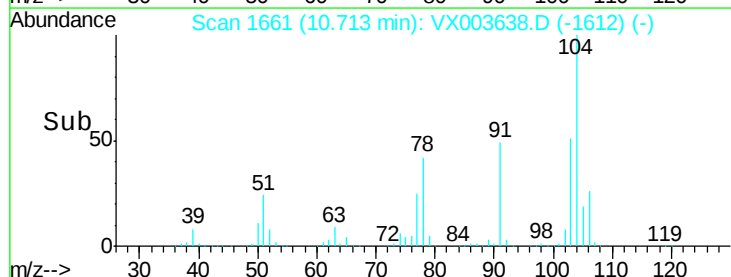
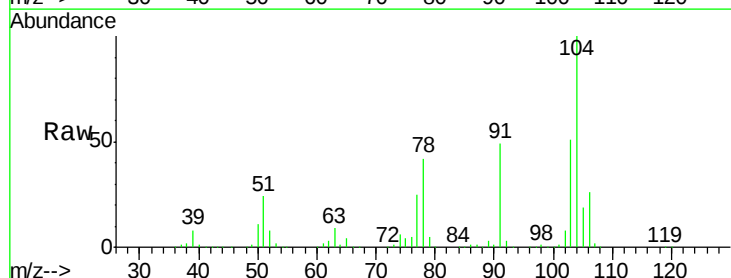
Manual Integrations
APPROVED

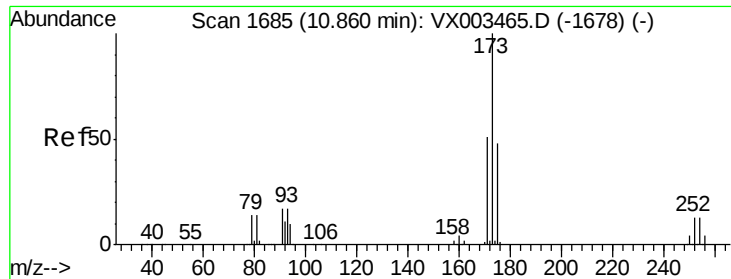
MMDadoda
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#70
Styrene
Concen: 53.66 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion:104 Resp: 462321
Ion Ratio Lower Upper
104 100
78 45.7 41.0 61.6
103 54.8 44.2 66.4





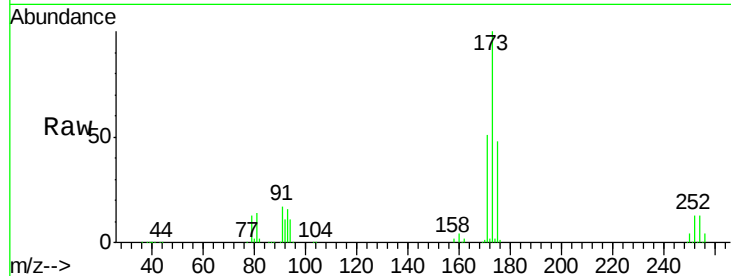
#71
Bromoform
Concen: 58.57 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

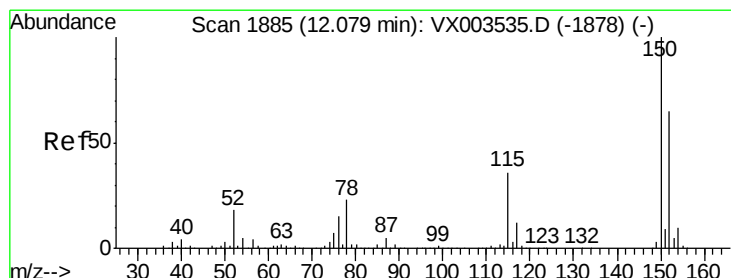
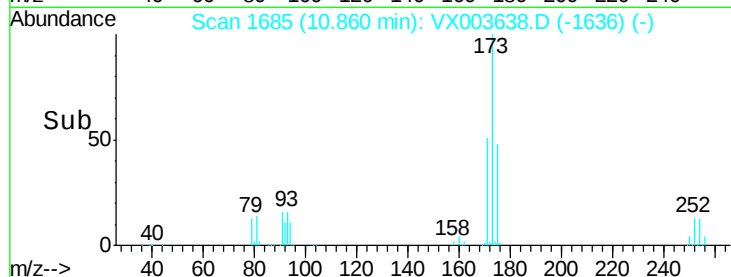
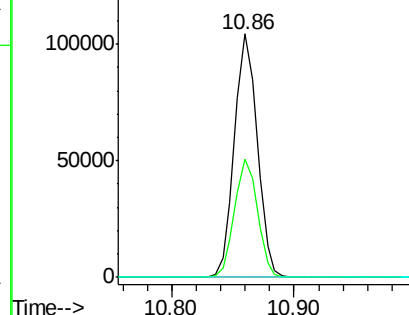
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.1	0.2	0.2#

Manual Integrations
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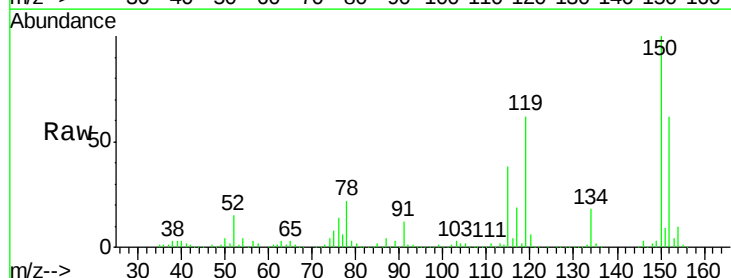


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

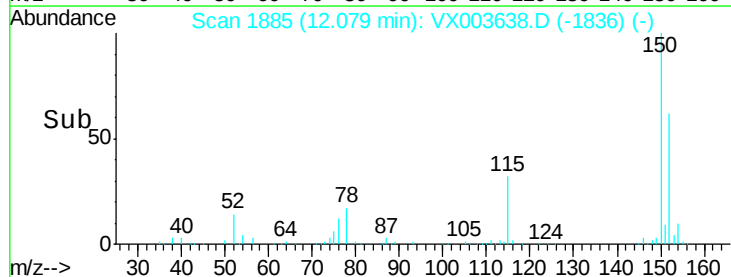
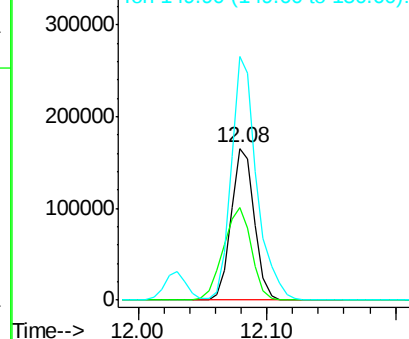


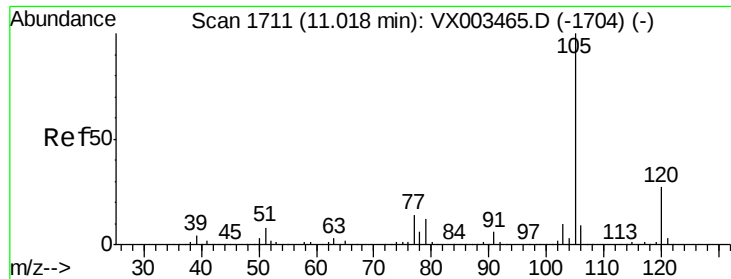
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.6	40.1	120.2
150	175.5	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.14 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion:105 Resp: 723112

Ion Ratio Lower Upper

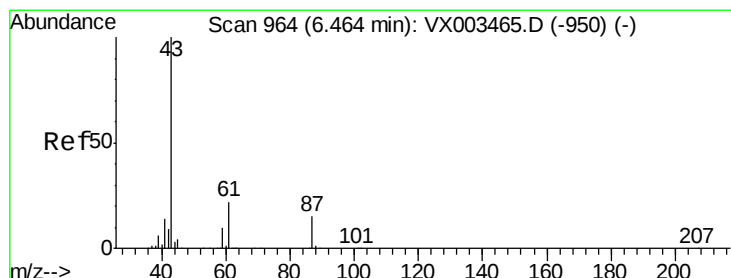
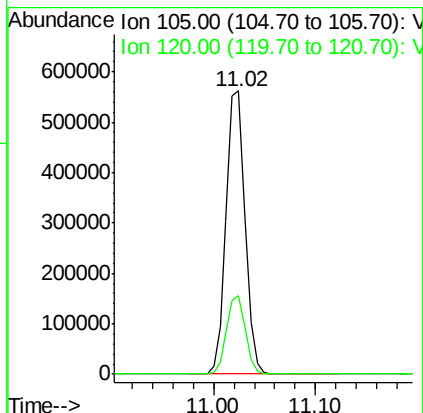
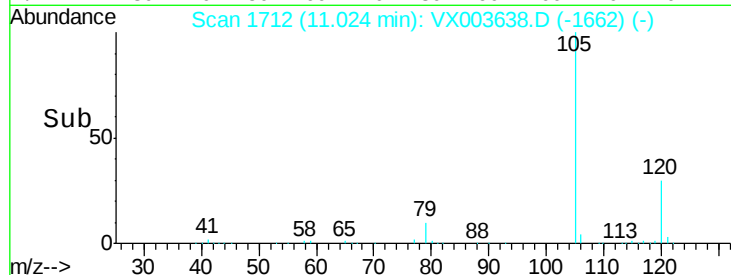
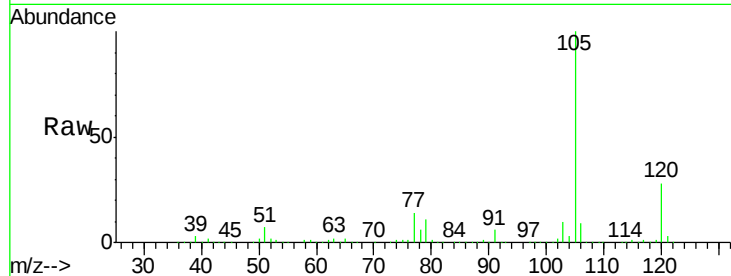
105 100

120 27.4 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 44.46 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion: 43 Resp: 272224

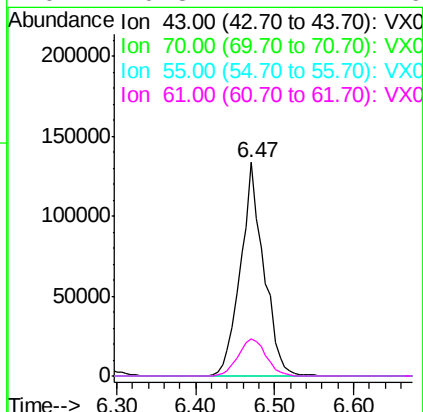
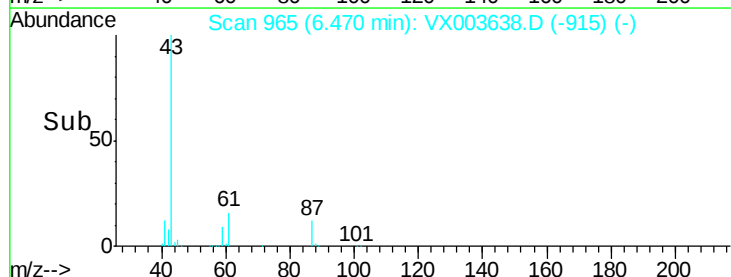
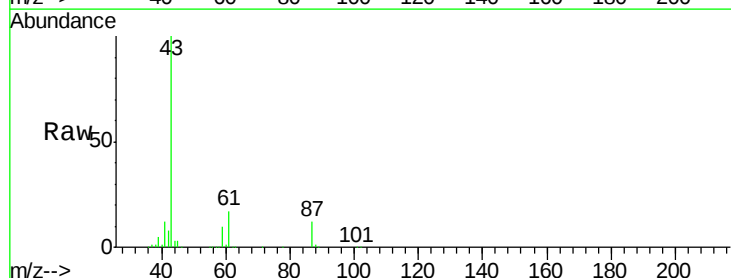
Ion Ratio Lower Upper

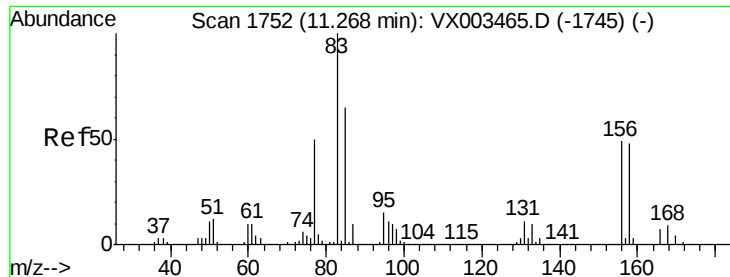
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.8 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.08 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 83 Resp: 224307

Ion Ratio Lower Upper

83 100

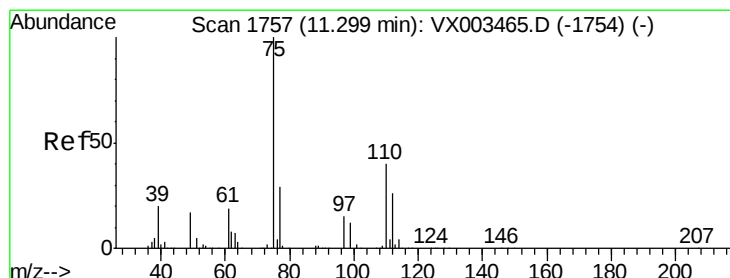
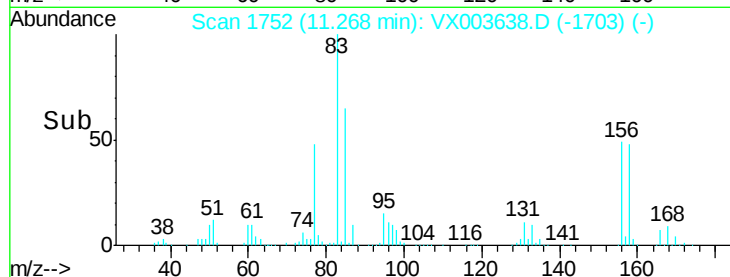
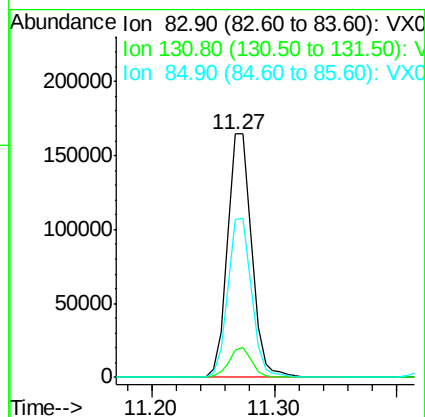
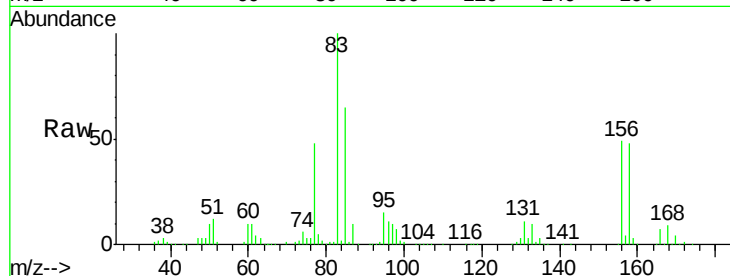
131 11.3 5.6 16.8

85 64.3 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.13 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003638.D

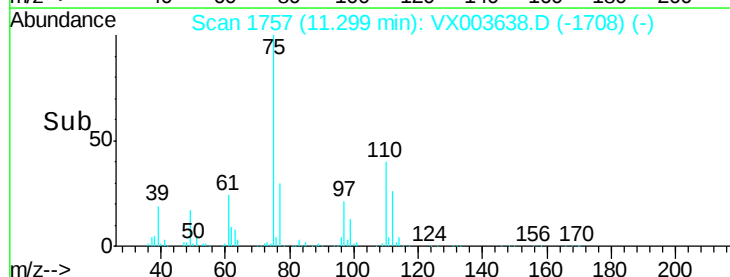
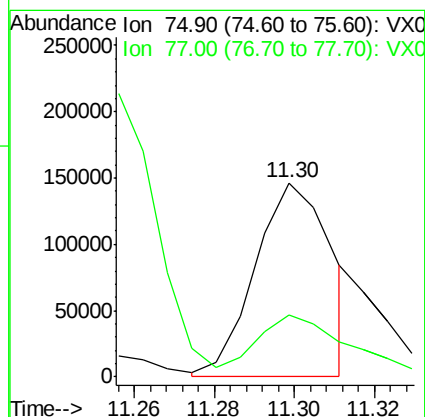
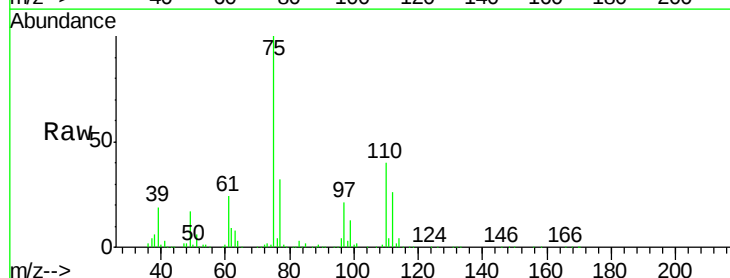
Acq: 24 Jul 2018 07:36

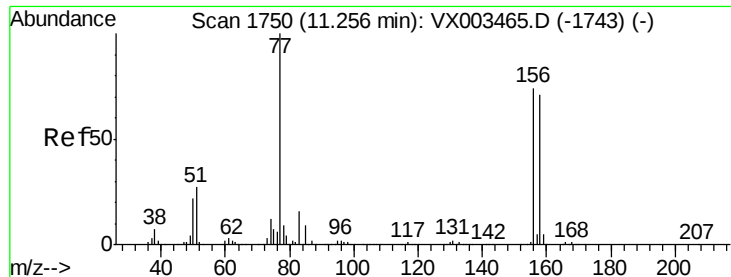
Tgt Ion: 75 Resp: 191525

Ion Ratio Lower Upper

75 100

77 39.4 22.8 68.3





#77

Bromobenzene

Concen: 50.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

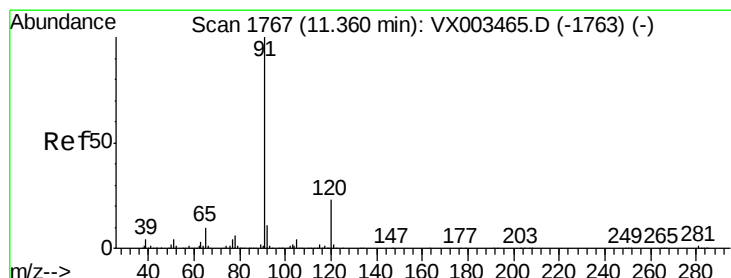
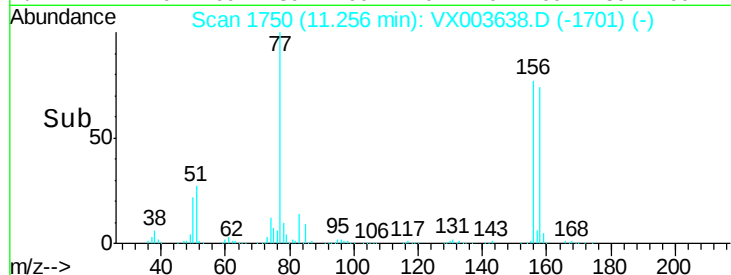
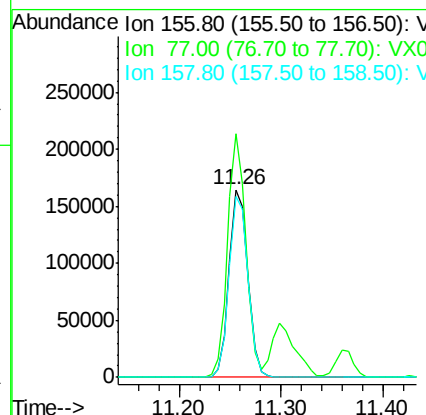
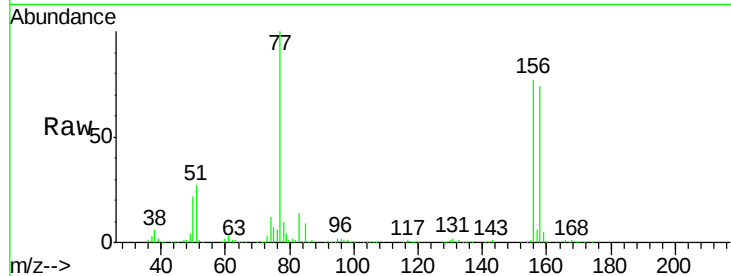
ClientSampleId :

RE123D3-071818MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		210196		
77	127.6	71.4	214.2		
158	97.2	48.9	146.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 49.63 ug/l

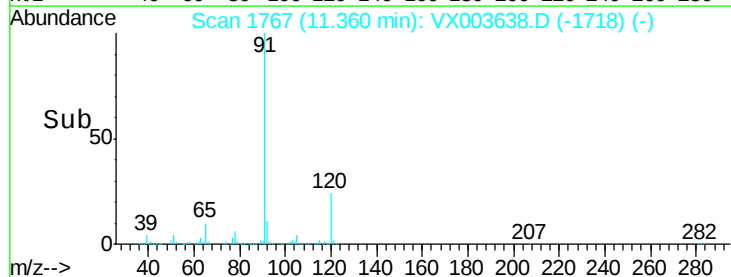
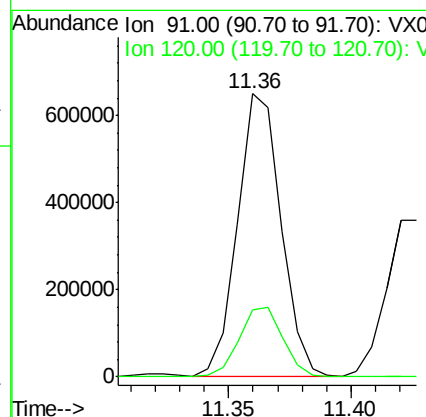
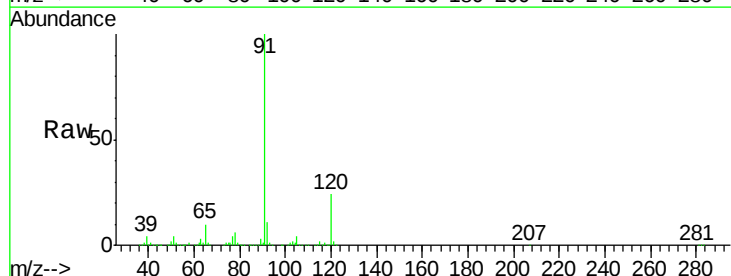
RT: 11.36 min Scan# 1767

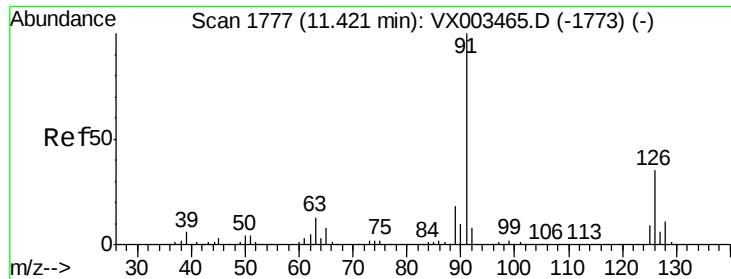
Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		795576		
120	25.0	11.8	35.4		





#79

2-Chlorotoluene

Concen: 48.90 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion: 91 Resp: 475834

Ion Ratio Lower Upper

91 100

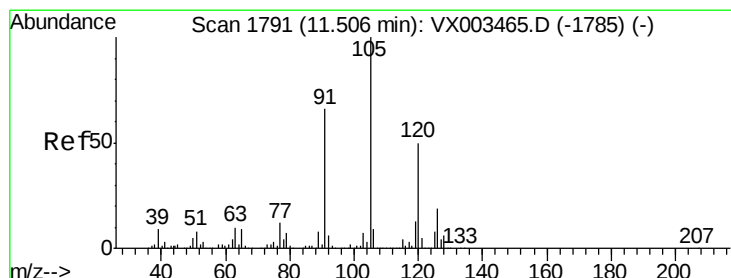
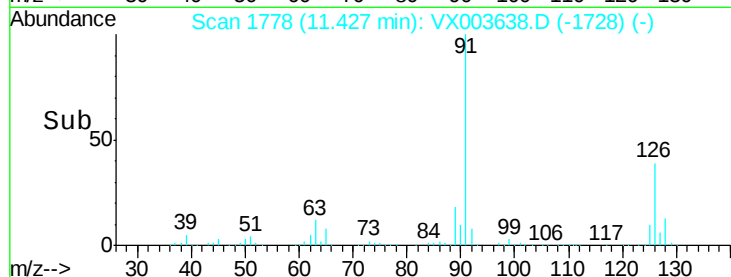
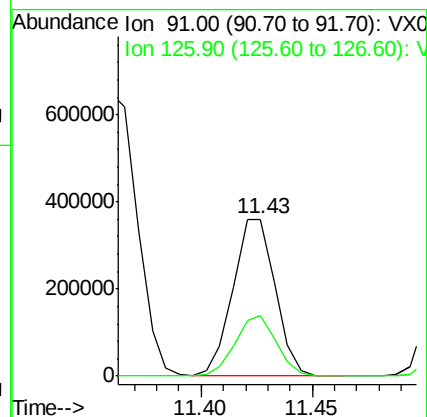
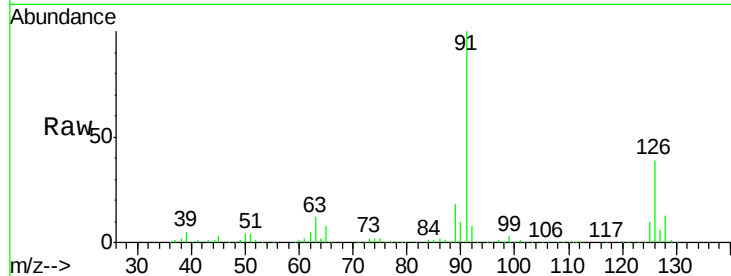
126 37.6 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.74 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003638.D

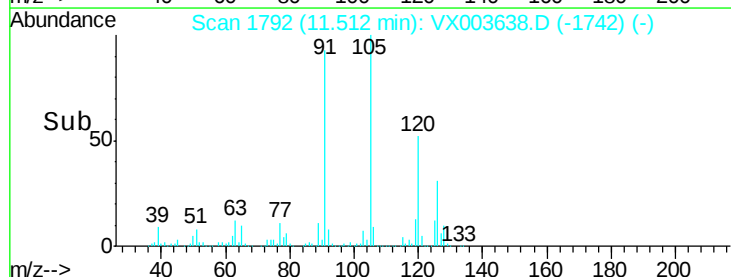
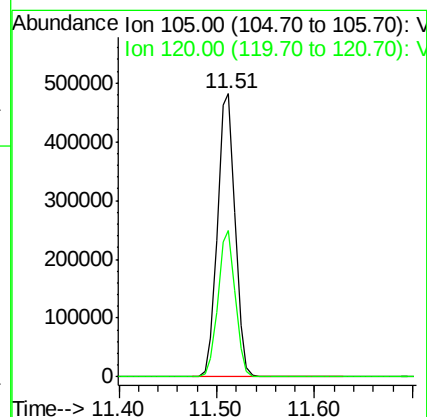
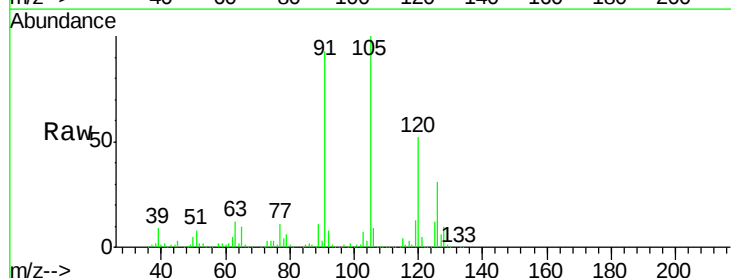
Acq: 24 Jul 2018 07:36

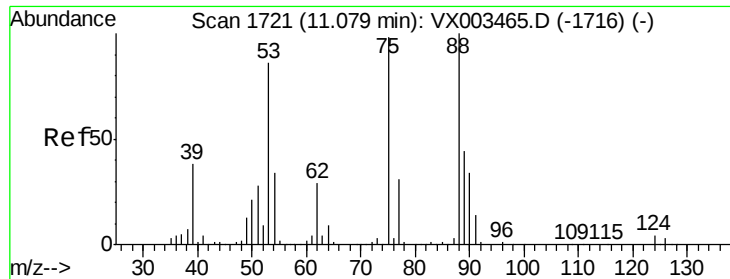
Tgt Ion: 105 Resp: 601361

Ion Ratio Lower Upper

105 100

120 50.7 24.4 73.4





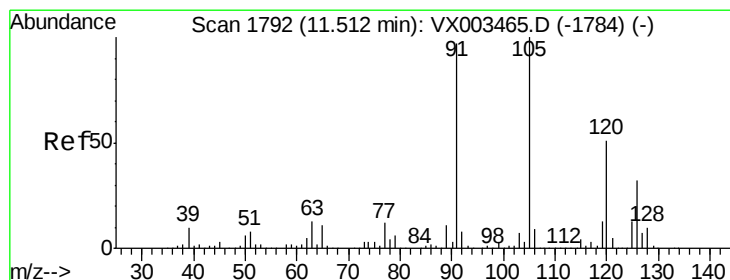
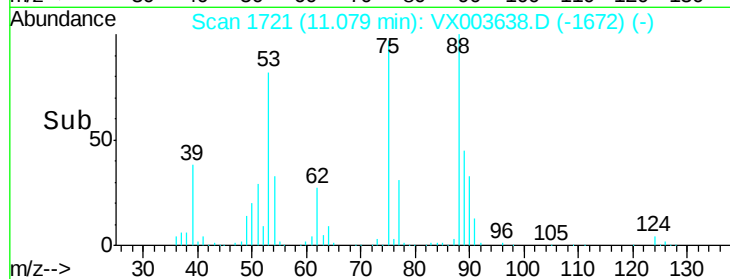
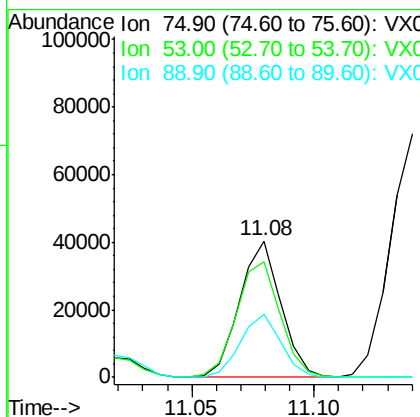
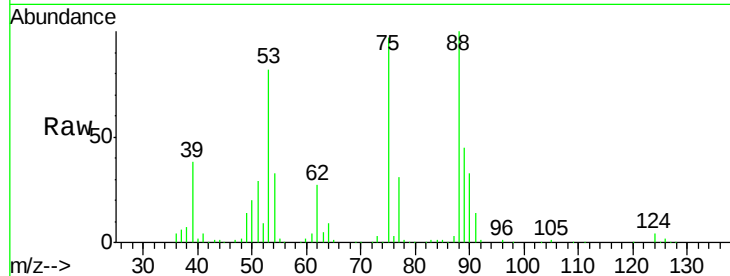
#81
trans-1,4-Dichloro-2-butene
Concen: 36.41 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	86.8	130.2
89	46.1	38.2	57.2

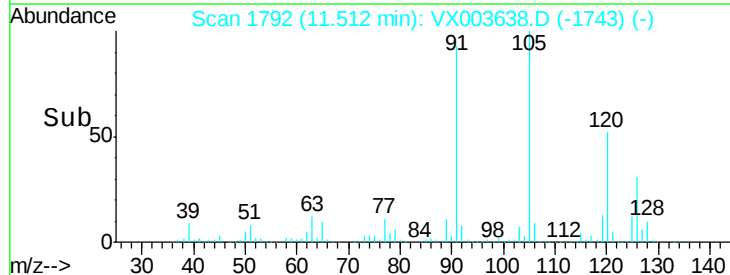
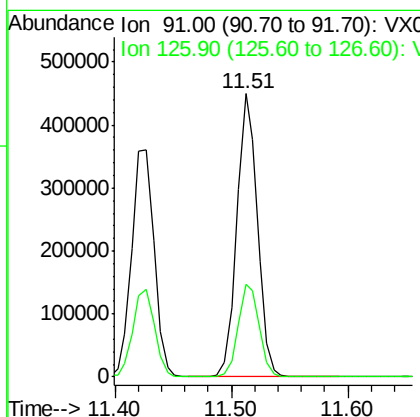
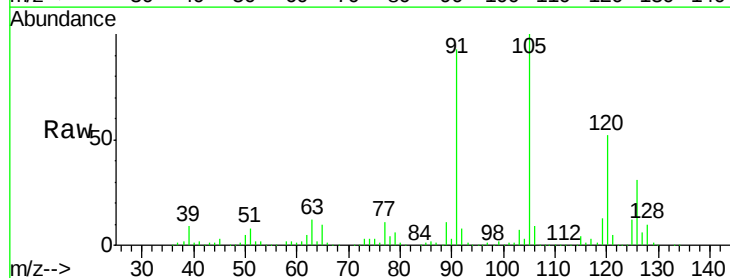
Manual Integrations
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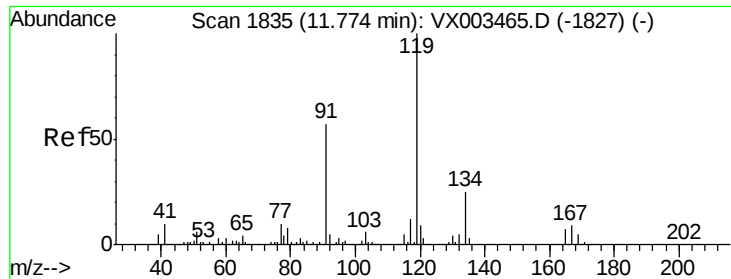
MMDadoda
7/24/2018 3:55:03 PM



#82
4-Chlorotoluene
Concen: 48.61 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	15.4	46.4





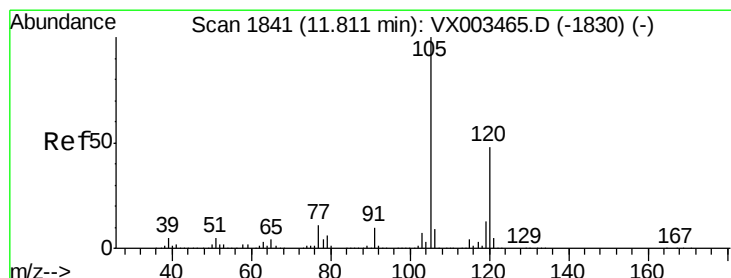
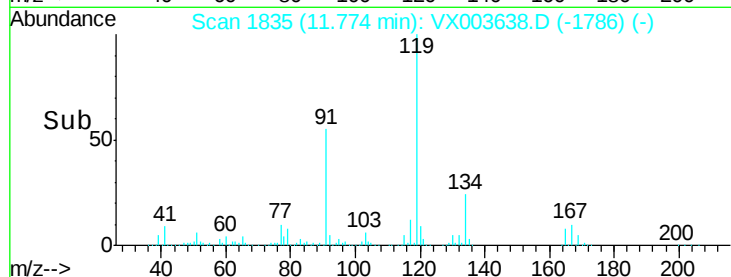
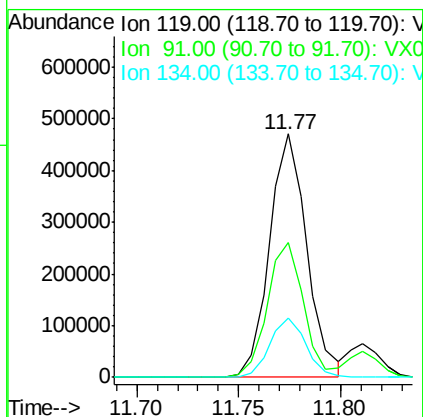
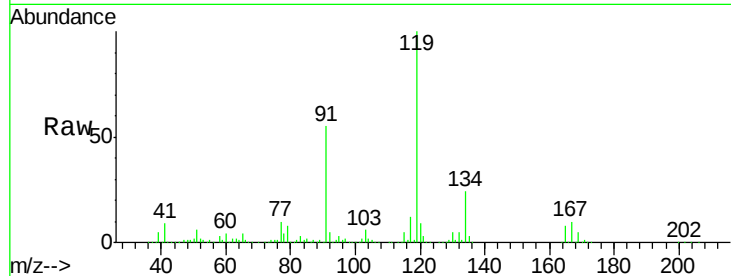
#83
 tert-Butylbenzene
 Concen: 51.66 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.3	30.3	90.9
134	23.7	11.7	35.1

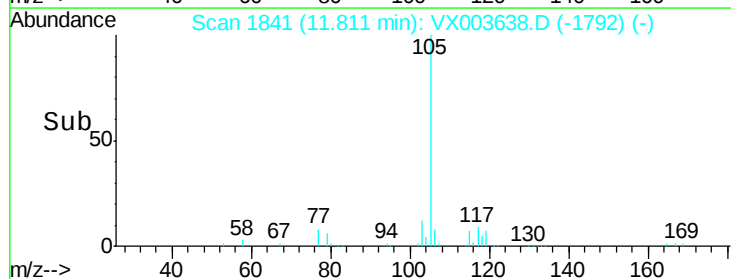
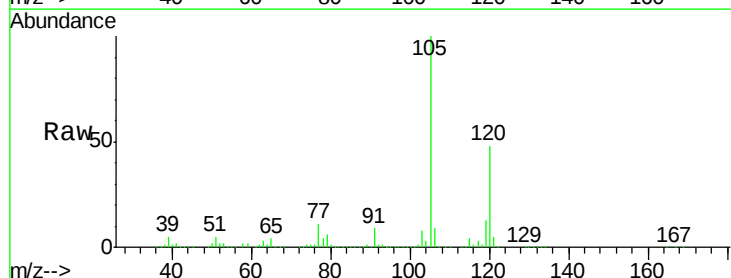
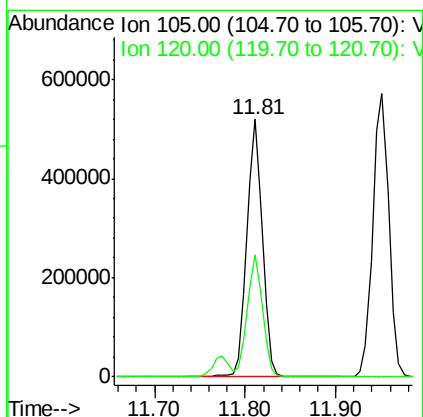
Manual Integrations
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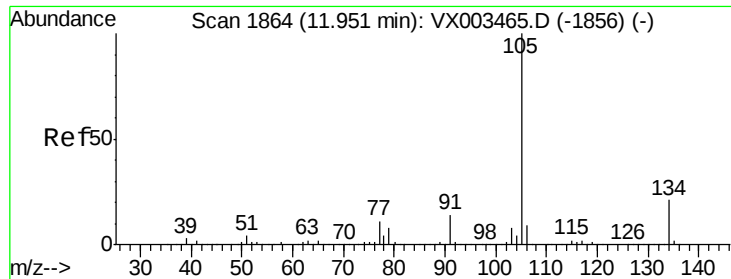
MMDadoda
 7/24/2018 3:55:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.27 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.3	66.8





#85

sec-Butylbenzene

Concen: 49.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion:105 Resp: 700755

Ion Ratio Lower Upper

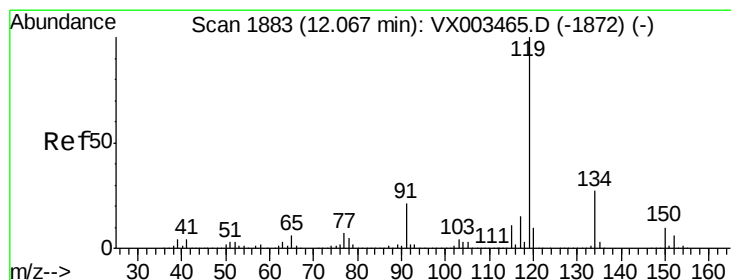
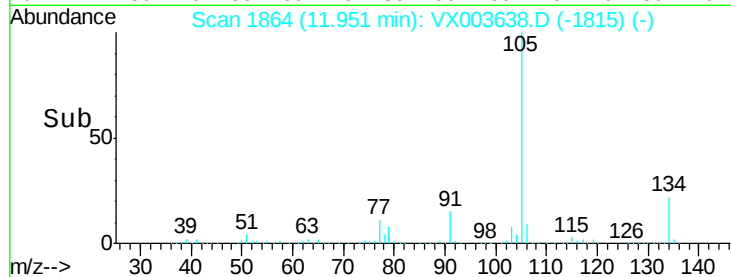
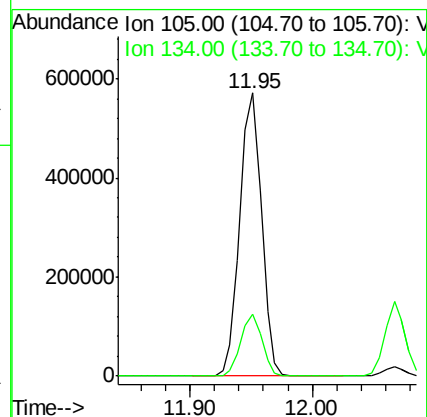
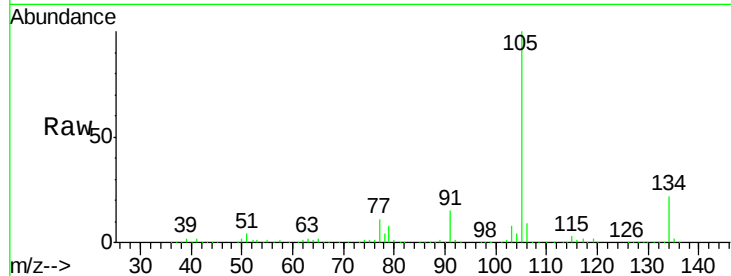
105 100

134 21.5 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.49 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

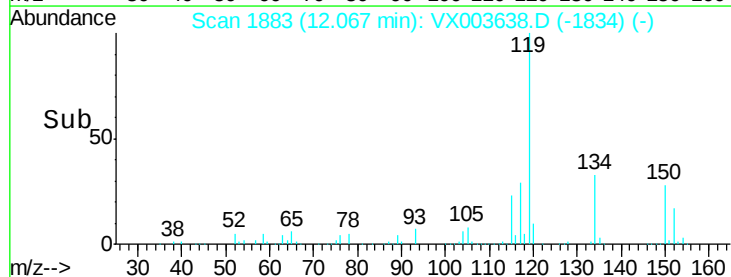
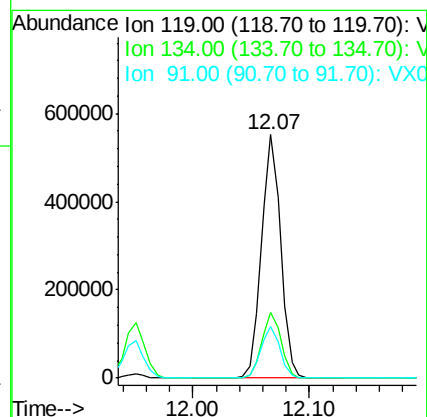
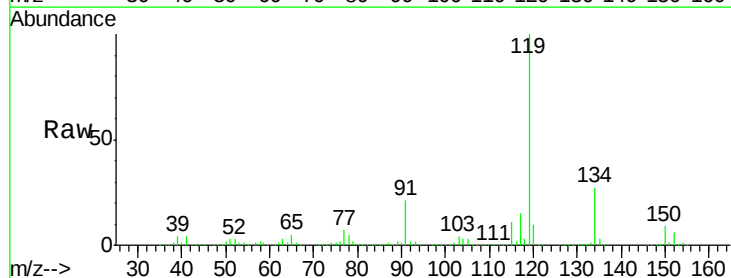
Tgt Ion:119 Resp: 638828

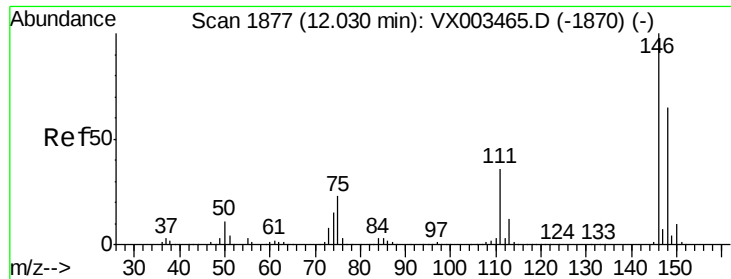
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 21.0 11.9 35.7





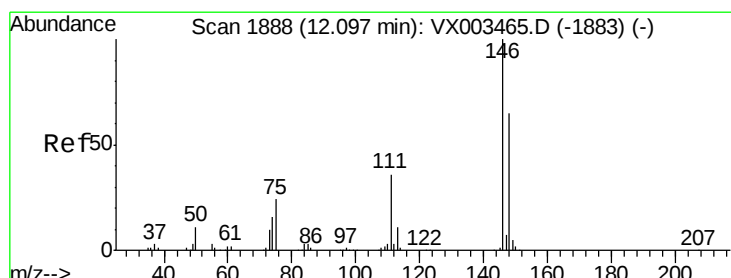
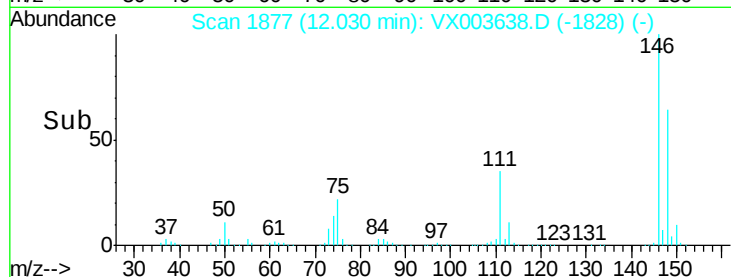
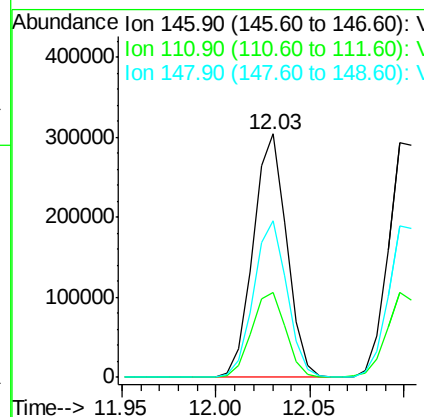
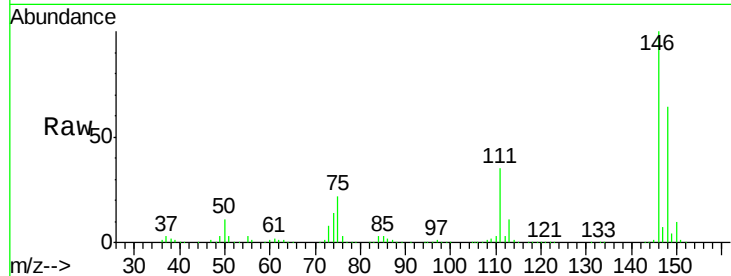
#87
 1,3-Dichlorobenzene
 Concen: 49.14 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.9	56.7
148	64.0	32.1	96.3

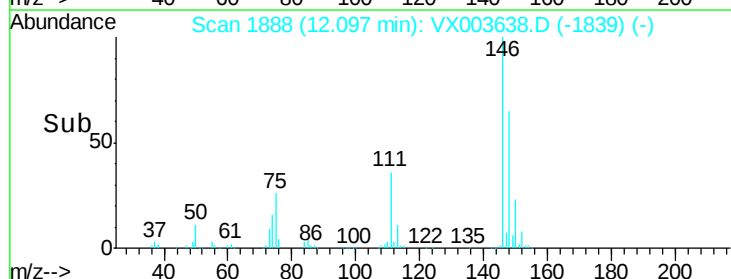
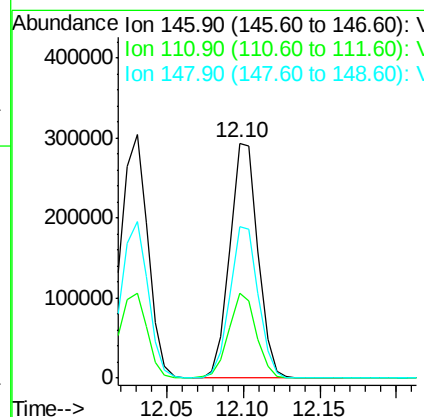
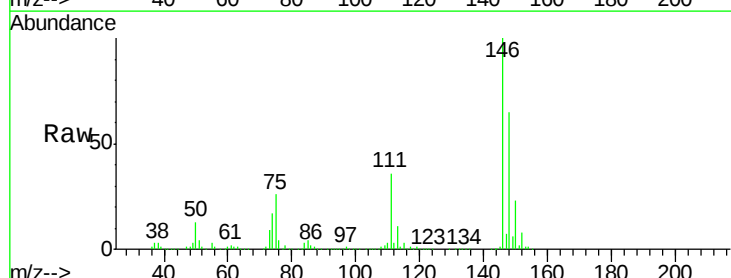
Manual Integrations
 APPROVED

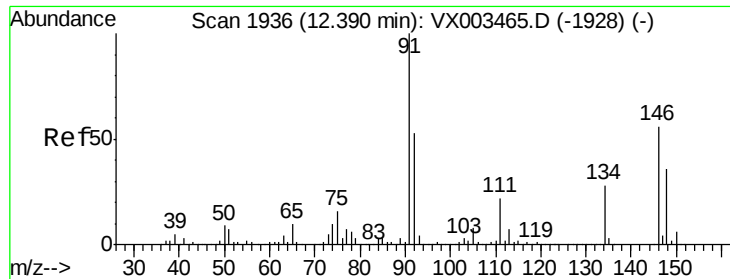
MMDadoda
 7/24/2018 3:55:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.65 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.7	56.1
148	65.0	32.4	97.0





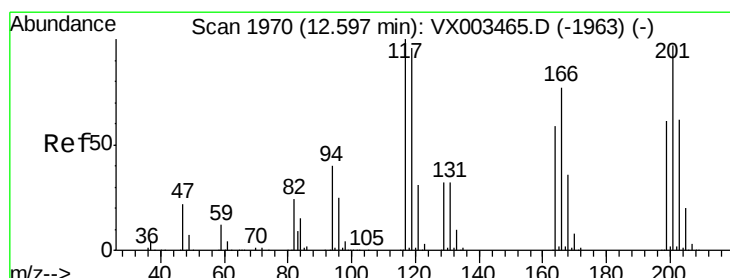
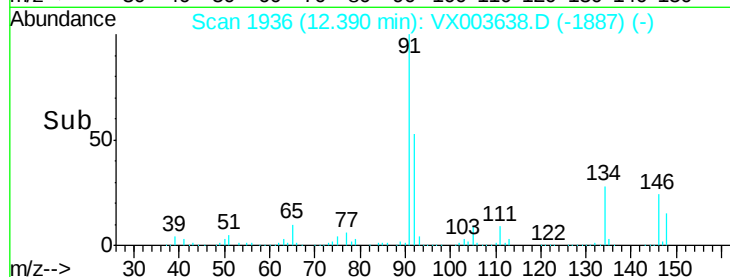
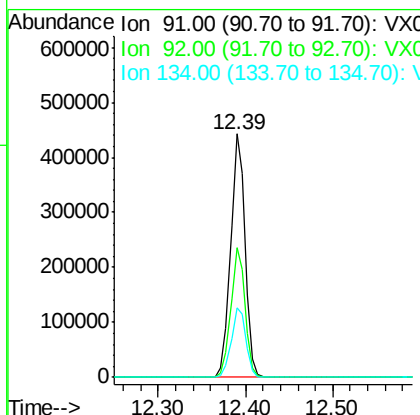
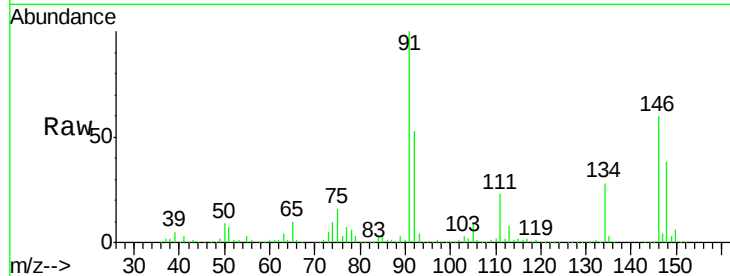
#89
n-Butylbenzene
Concen: 47.20 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		507108		
92	52.7	26.0	78.0		
134	29.2	13.5	40.5		

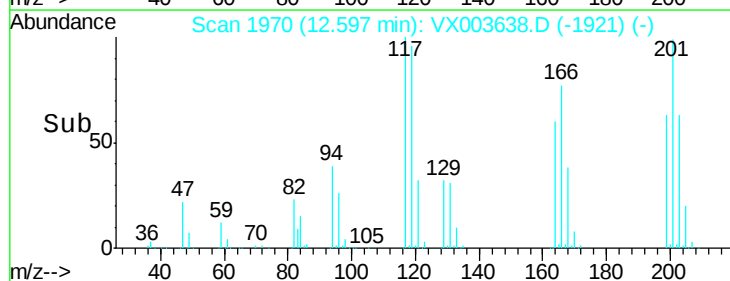
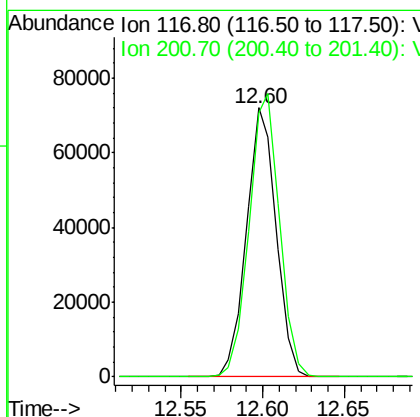
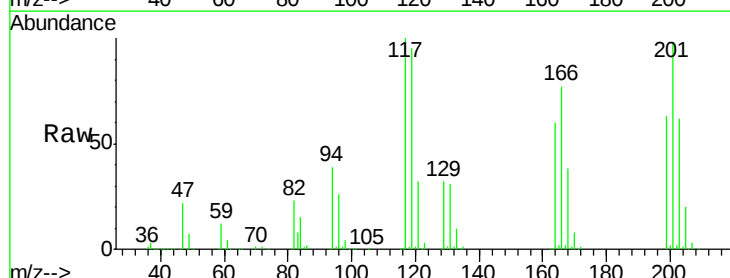
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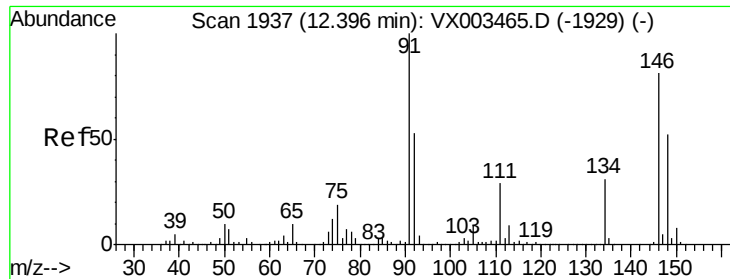
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#90
Hexachloroethane
Concen: 50.91 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		91558		
201	106.9	49.0	147.0		





#91

1,2-Dichlorobenzene

Concen: 50.69 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MS

Tot Ion:146 Resp: 380915

Ion Ratio Lower Upper

146 100

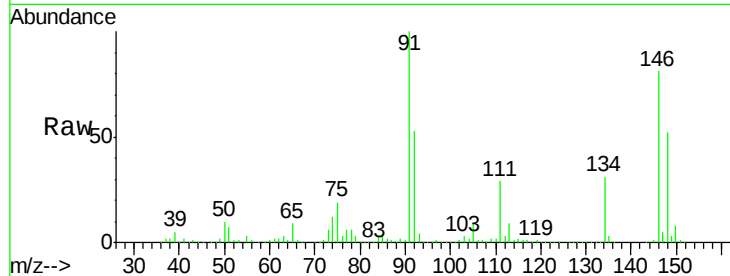
111 37.1 19.4 58.1

148 64.0 31.7 95.1

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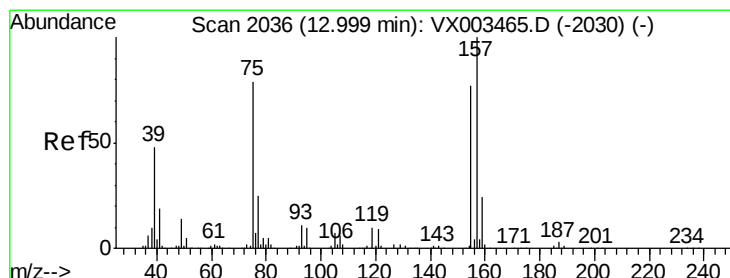
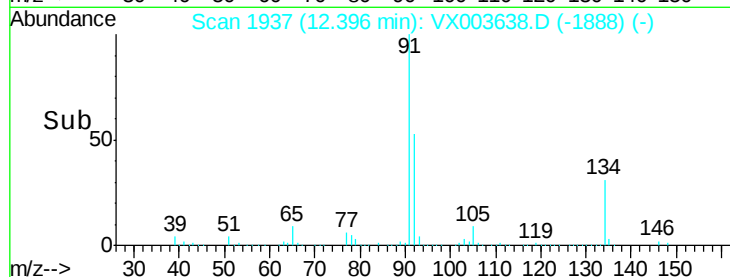
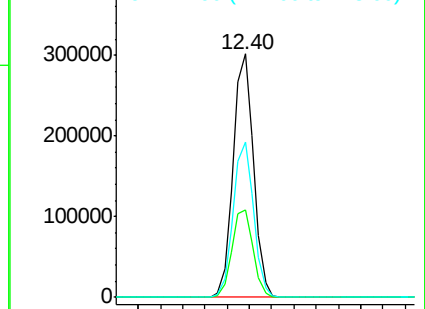
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.87 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003638.D

Acq: 24 Jul 2018 07:36

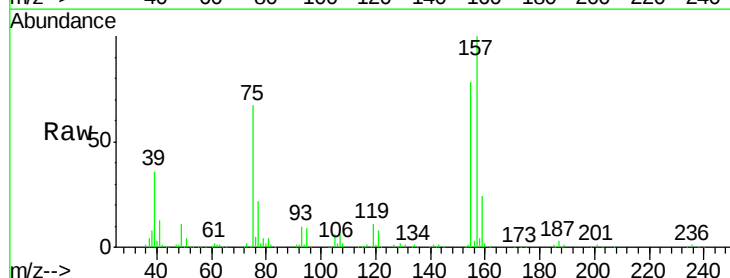
Tgt Ion: 75 Resp: 45127

Ion Ratio Lower Upper

75 100

155 111.1 45.8 137.4

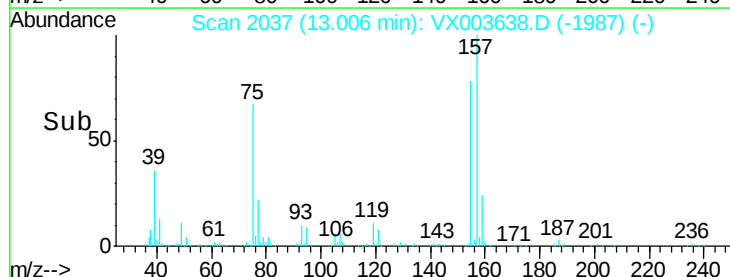
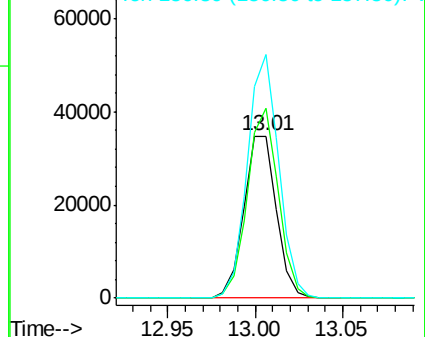
157 144.3 60.1 180.3

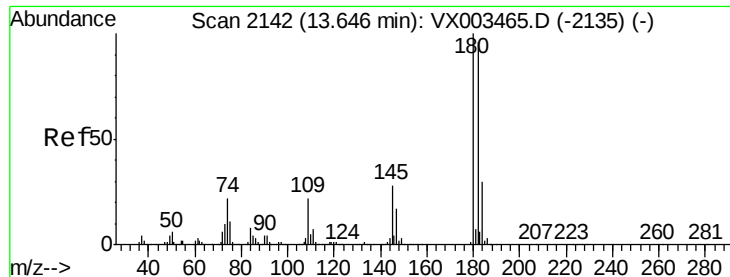


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





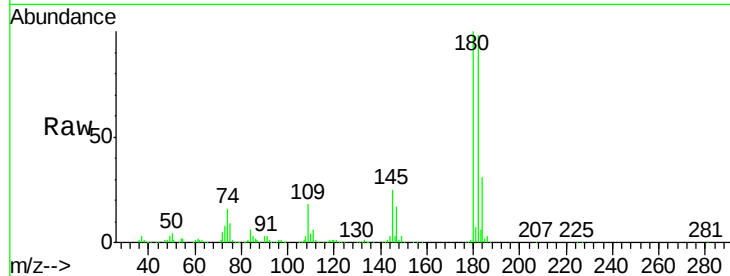
#93
 1,2,4-Trichlorobenzene
 Concen: 48.91 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269331		
182	96.8	47.7	143.1	
145	26.9	14.1	42.4	

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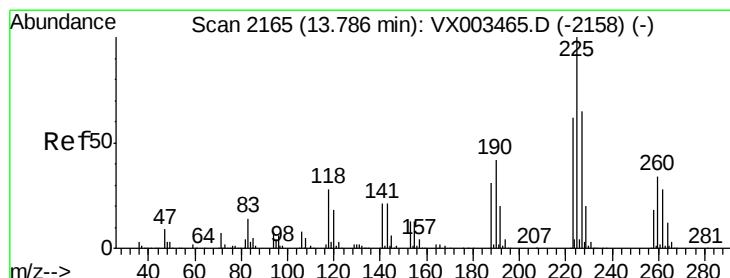
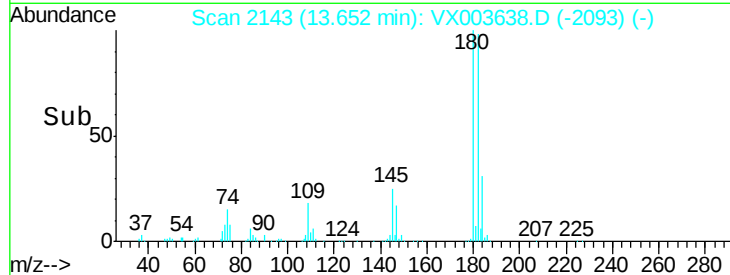
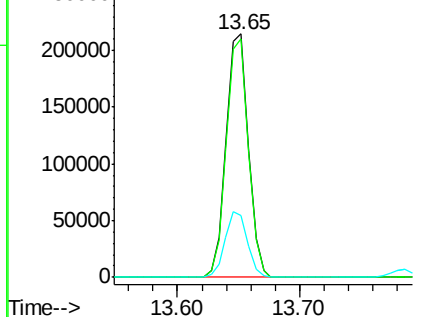


Abundance

Ion 179.80 (179.50 to 180.50): V

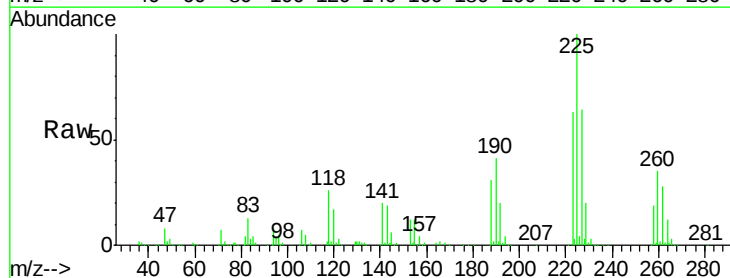
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.22 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003638.D
 Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127710		
223	62.8	31.6	95.0	
227	64.2	32.4	97.2	

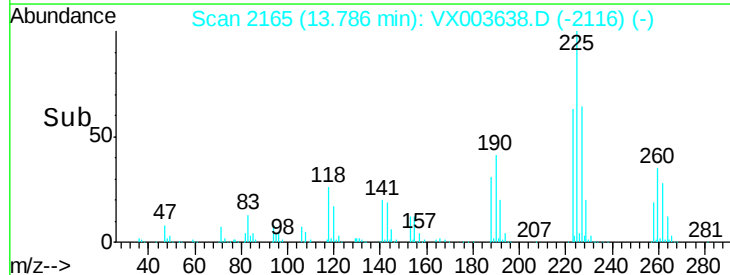
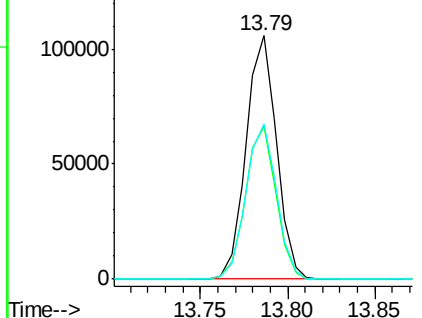


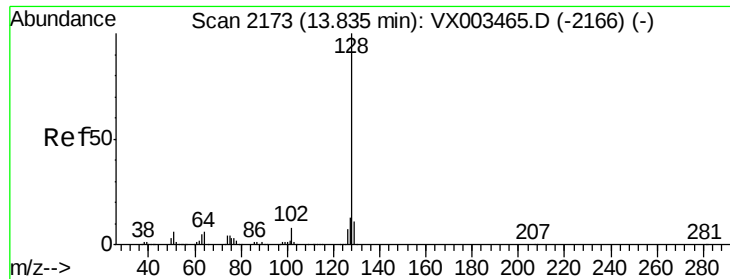
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





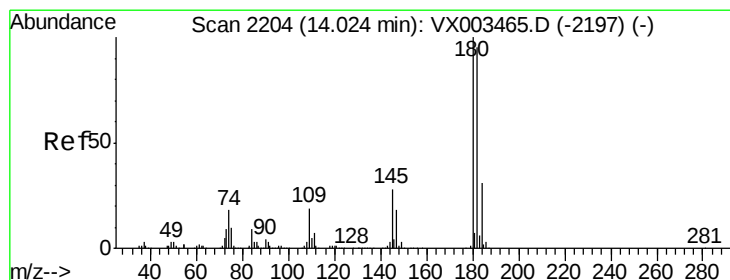
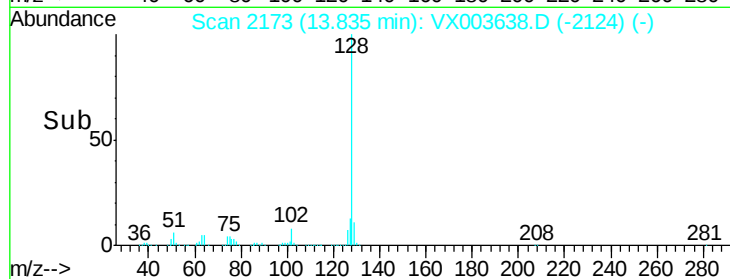
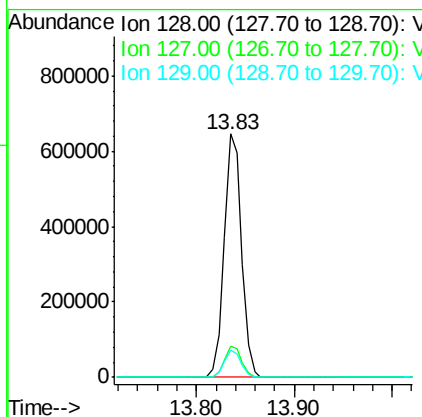
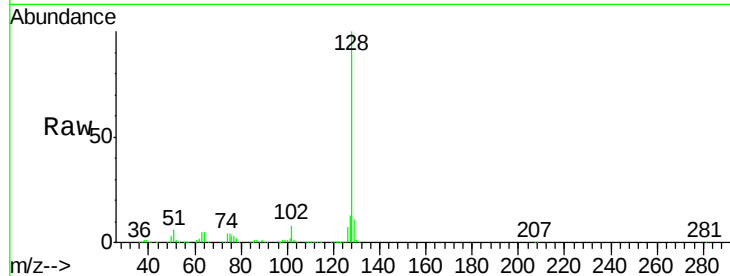
#95
Naphthalene
Concen: 54.58 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 51.48 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003638.D
Acq: 24 Jul 2018 07:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.0
145	28.9	14.8	44.3

