

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003639.D
 Acq On : 24 Jul 2018 08:02
 Operator : JC/SP
 Sample : J4073-19MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 3:55:10 PM

Quant Time: Jul 24 09:20:16 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	247513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	352394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	145312	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	5.51	113	139089	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	8.72	98	512516	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.14	95	186790	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89507	45.49	ug/l	100
3) Chloromethane	1.32	50	113222	46.40	ug/l	97
4) Vinyl Chloride	1.40	62	130234	41.42	ug/l	99
5) Bromomethane	1.64	94	61184	48.86	ug/l	100
6) Chloroethane	1.72	64	89972	48.36	ug/l	99
7) Trichlorofluoromethane	1.92	101	199337	47.52	ug/l	99
8) Diethyl Ether	2.19	74	85404	47.40	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	120562	43.91	ug/l	93
10) Methyl Iodide	2.51	142	183896	55.76	ug/l	92
11) Tert butyl alcohol	3.08	59	166854	287.80	ug/l	100
12) 1,1-Dichloroethene	2.37	96	120016	47.47	ug/l	86
13) Acrolein	2.29	56	41082	156.83	ug/l	100
14) Allyl chloride	2.73	41	186036	41.57	ug/l #	85
15) Acrylonitrile	3.15	53	367240	248.80	ug/l	98
16) Acetone	2.45	43	296612	268.02	ug/l #	85
17) Carbon Disulfide	2.57	76	301542	44.11	ug/l	98
18) Methyl Acetate	2.78	43	146163	41.89	ug/l #	90
19) Methyl tert-butyl Ether	3.21	73	420169	50.90	ug/l	98
20) Methylene Chloride	2.86	84	140114	51.81	ug/l	85
21) trans-1,2-Dichloroethene	3.16	96	132034	46.94	ug/l	89
22) Diisopropyl ether	3.89	45	415570	49.35	ug/l #	89
23) Vinyl Acetate	3.83	43	1308640	188.66	ug/l #	93
24) 1,1-Dichloroethane	3.70	63	241335	48.85	ug/l	97
25) 2-Butanone	4.71	43	488874	263.28	ug/l #	88
26) 2,2-Dichloropropane	4.59	77	71323	19.01	ug/l	82
27) cis-1,2-Dichloroethene	4.60	96	155718	49.72	ug/l	90
28) Bromochloromethane	5.03	49	103778	48.06	ug/l #	78
29) Tetrahydrofuran	5.17	42	313066	255.23	ug/l #	87
30) Chloroform	5.21	83	251160	52.06	ug/l	99
31) Cyclohexane	5.57	56	194408	44.04	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	215665	52.20	ug/l	96
36) 1,1-Dichloropropene	5.80	75	177567	46.67	ug/l	97
37) Ethyl Acetate	4.87	43	147502	40.97	ug/l #	94
38) Carbon Tetrachloride	5.78	117	191549	51.33	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196117	43.52	ug/l	91
40) Benzene	6.15	78	610351	53.13	ug/l	96
41) Methacrylonitrile	5.07	41	103039	48.70	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	181954	50.27	ug/l	93
43) Isopropyl Acetate	6.47	43	255506	44.61	ug/l #	90
44) Trichloroethene	7.21	130	177227	51.73	ug/l	95
45) 1,2-Dichloropropane	7.52	63	145207	49.78	ug/l	100
46) Dibromomethane	7.67	93	98694	52.56	ug/l	91
47) Bromodichloromethane	7.90	83	185716	54.02	ug/l	96
48) Methyl methacrylate	7.78	41	146952	50.88	ug/l #	80
49) 1,4-Dioxane	7.76	88	76682	1171.80	ug/l #	90
51) 4-Methyl-2-Pentanone	8.65	43	966511	267.13	ug/l	90
52) Toluene	8.79	92	367536	50.83	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	192118	45.40	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	177679	46.69	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	153166	53.23	ug/l	96
56) Ethyl methacrylate	9.18	69	216177	53.34	ug/l #	79
57) 1,3-Dichloropropane	9.37	76	242229	52.08	ug/l	100
59) 2-Hexanone	9.50	43	735058	274.20	ug/l	86
60) Dibromochloromethane	9.59	129	160967	56.52	ug/l	100
61) 1,2-Dibromoethane	9.68	107	159267	53.40	ug/l	100
64) Tetrachloroethene	9.34	164	200049	49.41	ug/l	98
65) Chlorobenzene	10.14	112	431965	50.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	160642	54.53	ug/l	100
67) Ethyl Benzene	10.26	91	689230	50.07	ug/l	98
68) m/p-Xylenes	10.36	106	548479	101.63	ug/l	94
69) o-Xylene	10.70	106	269362	51.62	ug/l	94
70) Styrene	10.71	104	455109	53.02	ug/l	96
71) Bromoform	10.86	173	131937	57.65	ug/l	99
73) Isopropylbenzene	11.02	105	710700	49.81	ug/l	99
74) N-amyl acetate	6.47	43	255506	42.18	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	217661	52.06	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	187986m	50.72	ug/l	
77) Bromobenzene	11.26	156	206910	50.42	ug/l	93
78) n-propylbenzene	11.36	91	773976	48.80	ug/l	97
79) 2-Chlorotoluene	11.42	91	471633	48.99	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	590119	50.33	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	44723	35.02	ug/l	87
82) 4-Chlorotoluene	11.51	91	548421	48.61	ug/l	96
83) tert-Butylbenzene	11.77	119	590246	51.40	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	606855	50.86	ug/l	96
85) sec-Butylbenzene	11.95	105	683575	49.01	ug/l	98
86) p-Isopropyltoluene	12.07	119	621624	49.66	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	366830	48.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	369902	47.60	ug/l	98
89) n-Butylbenzene	12.39	91	485458	45.67	ug/l	98
90) Hexachloroethane	12.60	117	88011	49.46	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	377181	50.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44131	54.24	ug/l	81
93) 1,2,4-Trichlorobenzene	13.65	180	268323	49.25	ug/l	99

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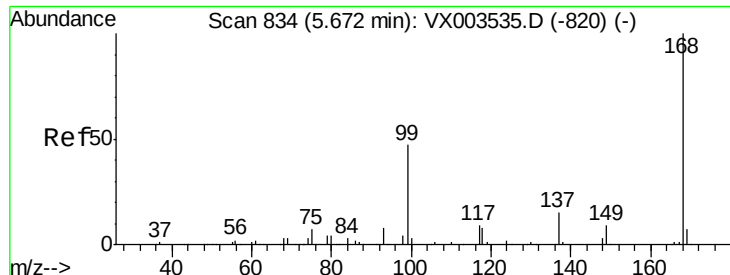
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	124184	47.39	ug/l	98
95) Naphthalene	13.83	128	785491	54.86	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	278741	51.68	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion:168 Resp: 247513

Ion Ratio Lower Upper

168 100

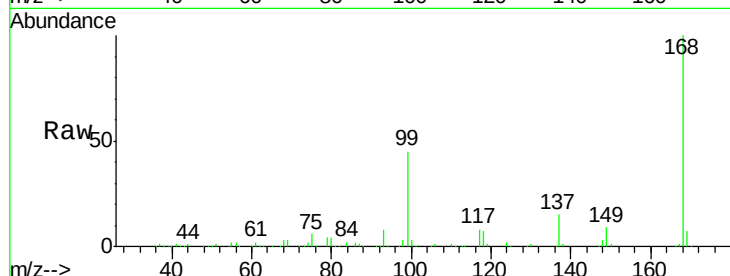
99 44.8 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

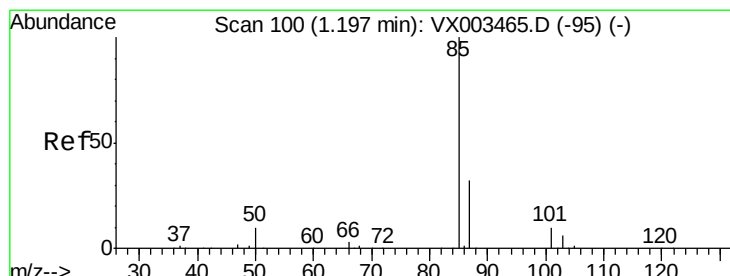
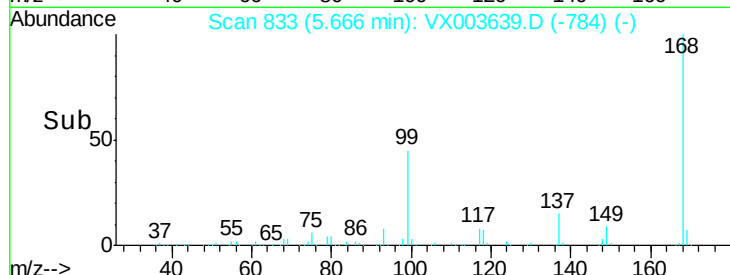
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003639.D

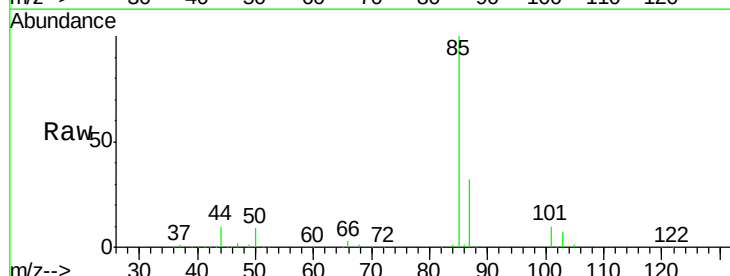
Acq: 24 Jul 2018 08:02

Tgt Ion: 85 Resp: 89507

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

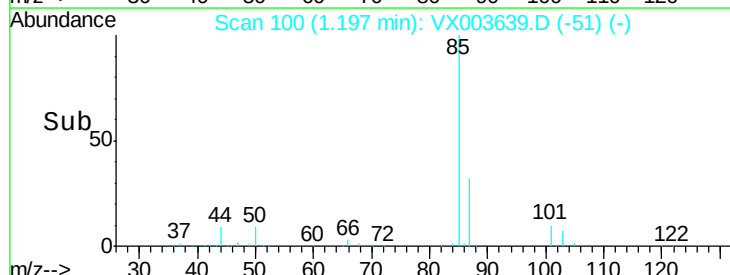
40000

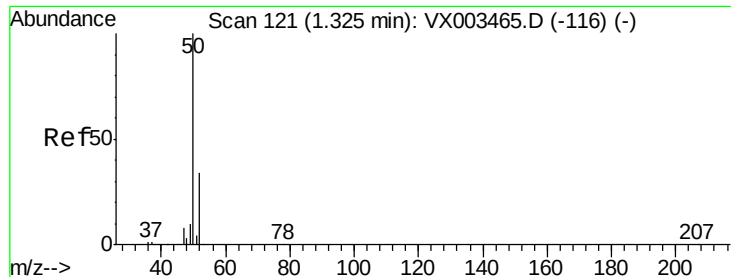
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 50 Resp: 113222

Ion Ratio Lower Upper

50 100

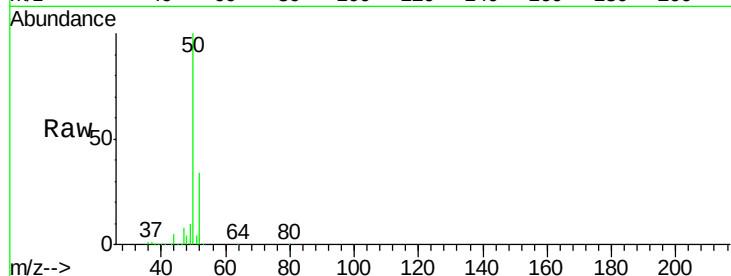
52 33.6 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

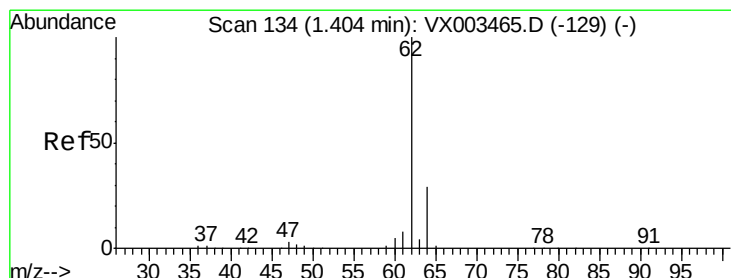
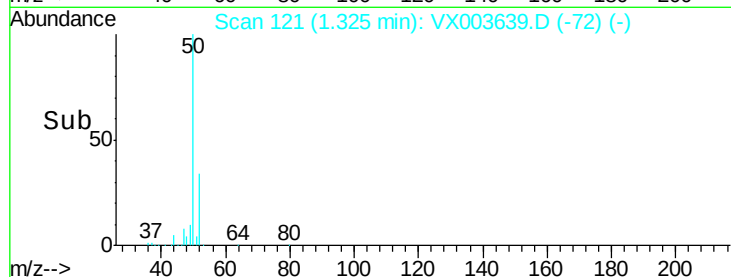
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 41.42 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003639.D

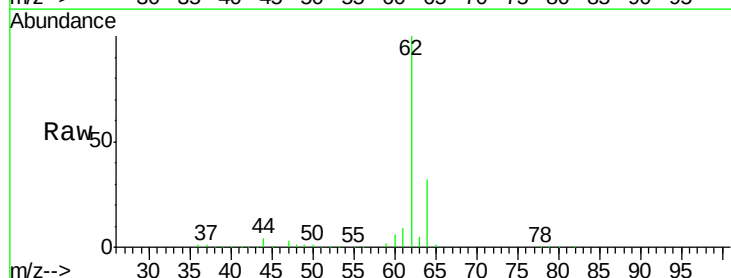
Acq: 24 Jul 2018 08:02

Tgt Ion: 62 Resp: 130234

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

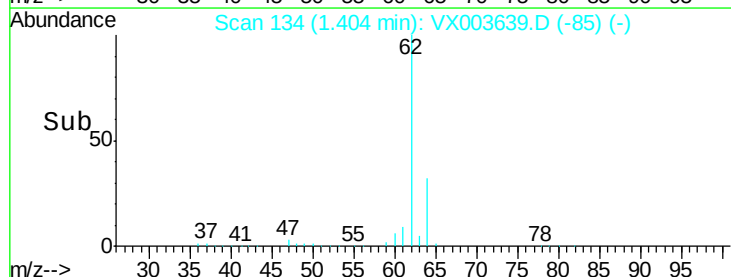
1.40

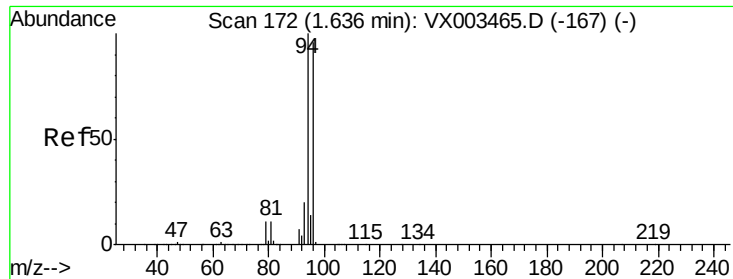
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.86 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 94 Resp: 61184

Ion Ratio Lower Upper

94 100

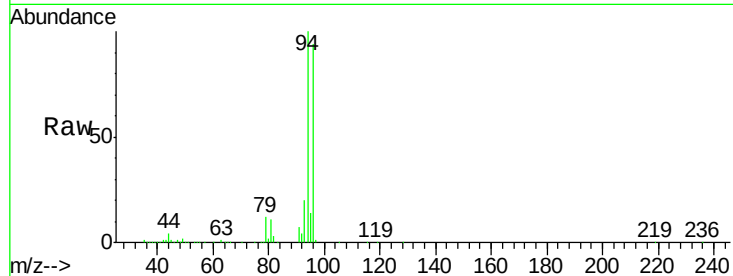
96 93.7 74.9 112.3

Manual Integrations

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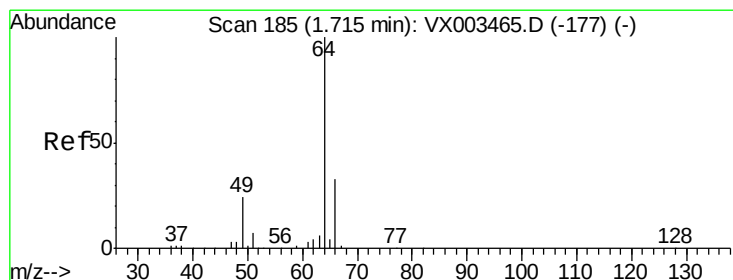
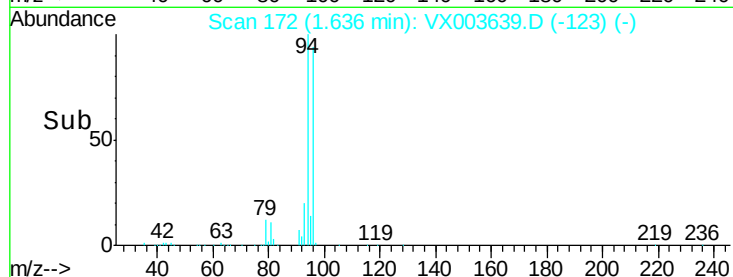
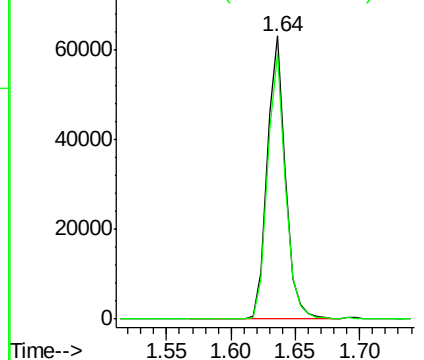
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.36 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003639.D

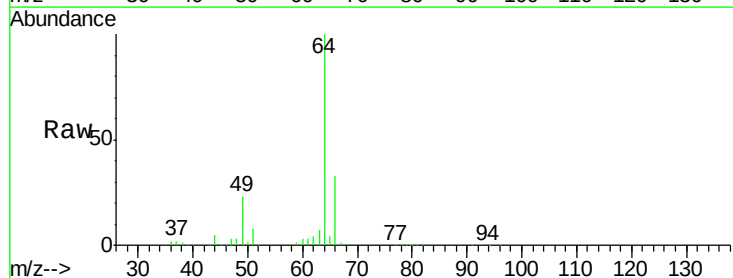
Acq: 24 Jul 2018 08:02

Tgt Ion: 64 Resp: 89972

Ion Ratio Lower Upper

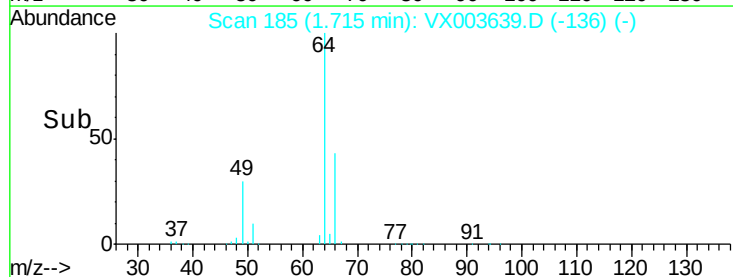
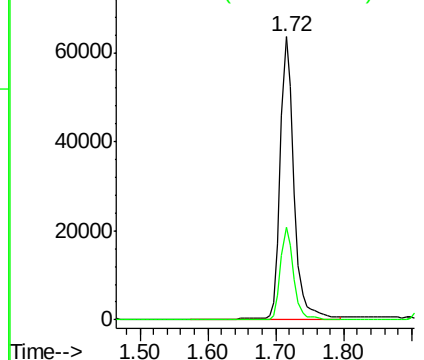
64 100

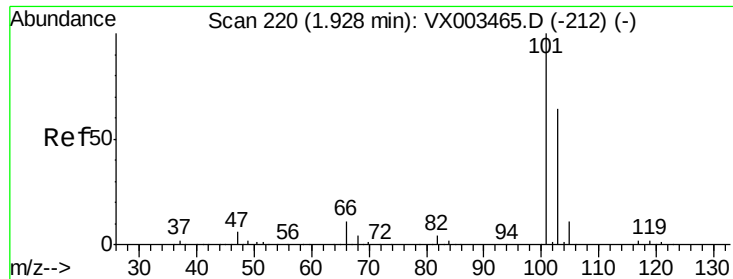
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 47.52 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 199337

Ion Ratio Lower Upper

101 100

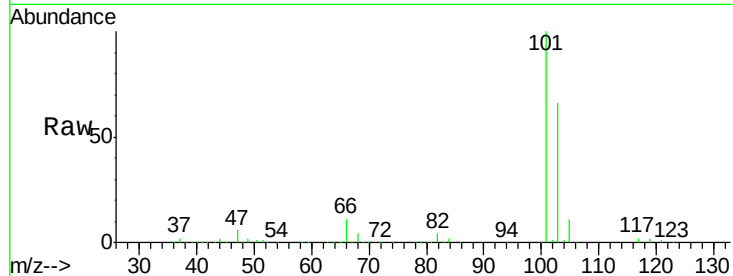
103 65.5 52.8 79.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

100000

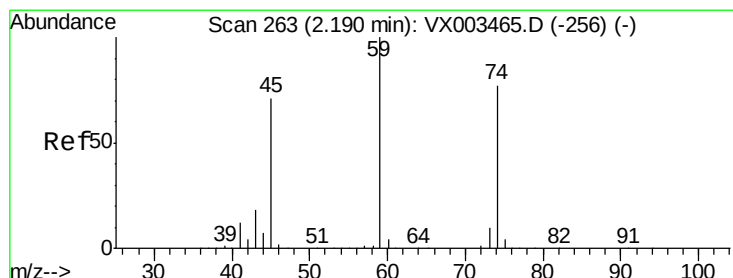
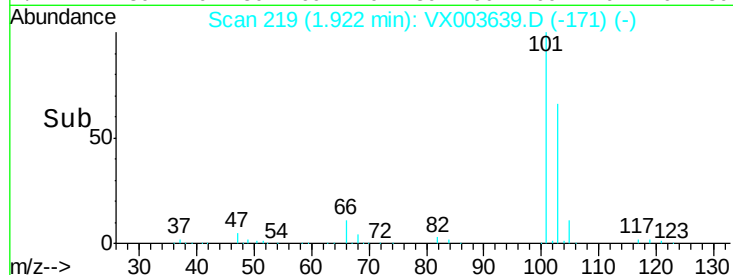
50000

0

1.92

Time-->

1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 47.40 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003639.D

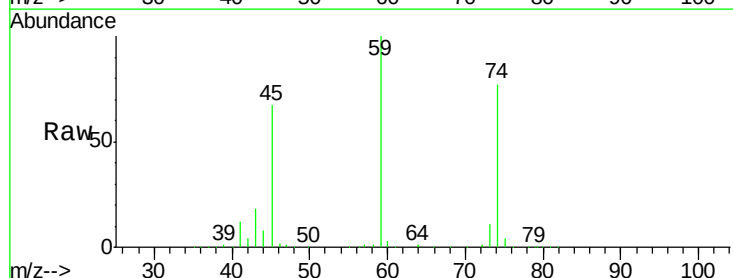
Acq: 24 Jul 2018 08:02

Tgt Ion: 74 Resp: 85404

Ion Ratio Lower Upper

74 100

45 88.3 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

60000

40000

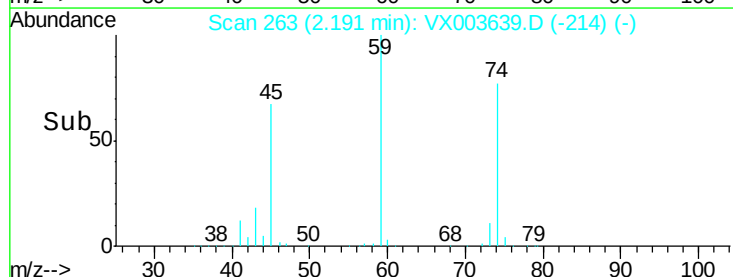
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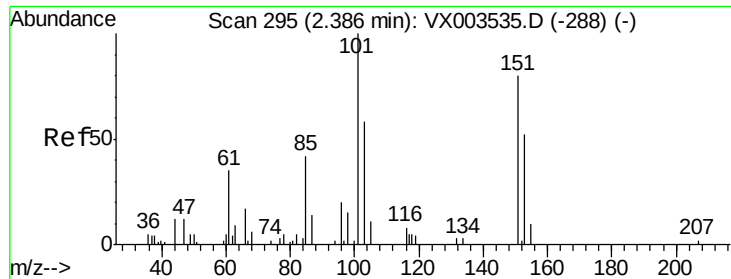
0

2.19

Time-->

2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.91 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

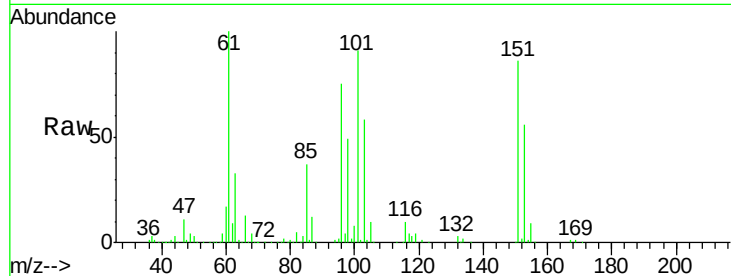
ClientSampleId :

RE123D3-071818MSD

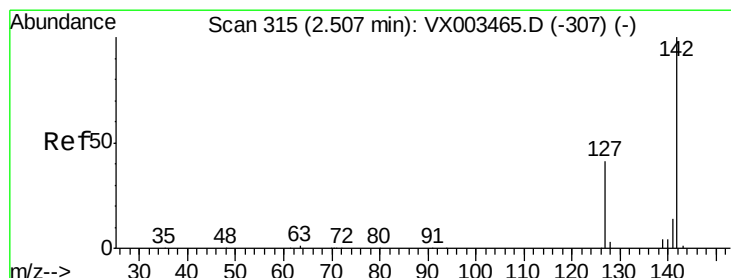
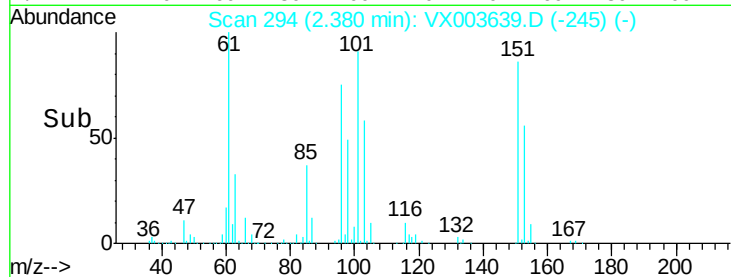
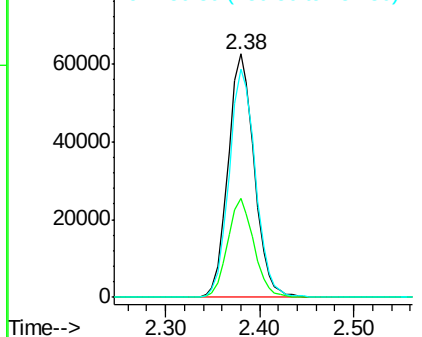
Tot Ion:	101	Resp:	120562
Ion Ratio	Lower	Upper	
101	100		
85	40.8	36.0	54.0
151	94.8	70.9	106.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.76 ug/l

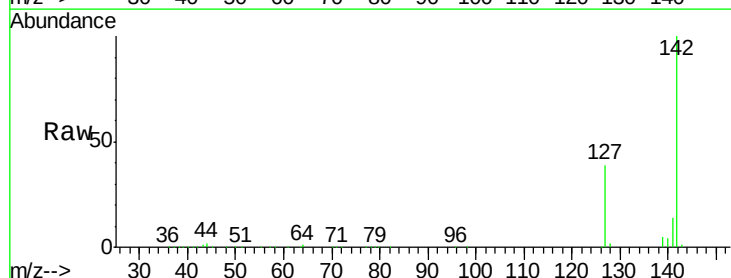
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

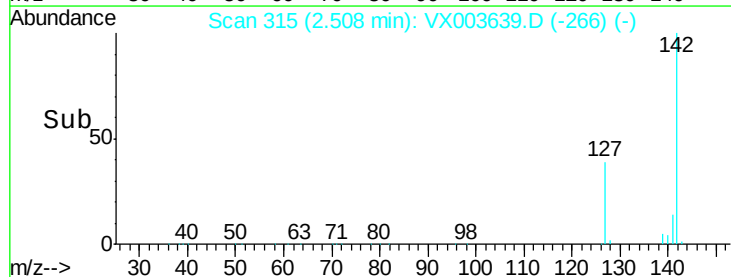
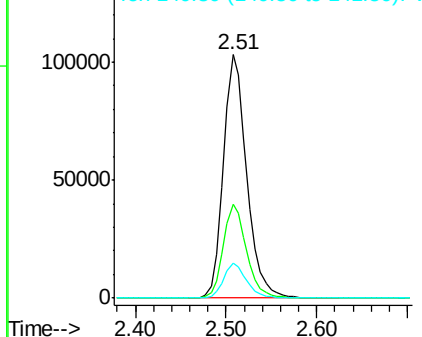
Lab File: VX003639.D

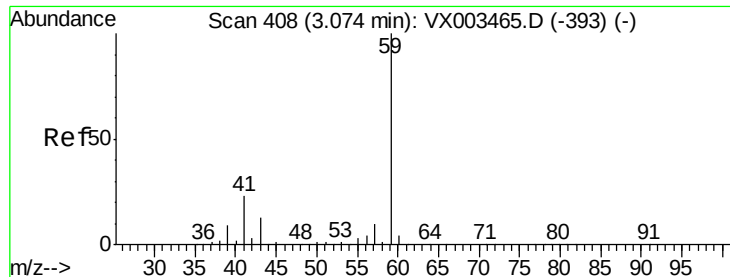
Acq: 24 Jul 2018 08:02

Tgt Ion:	142	Resp:	183896
Ion Ratio	Lower	Upper	
142	100		
127	38.6	36.6	55.0
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

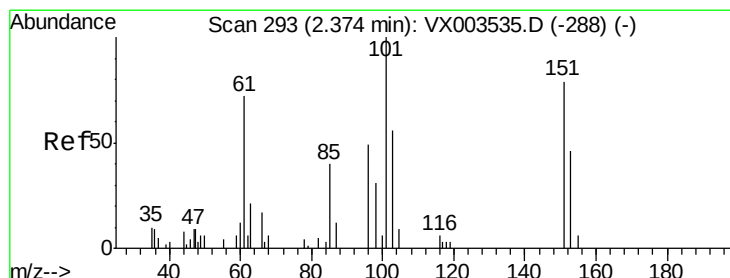
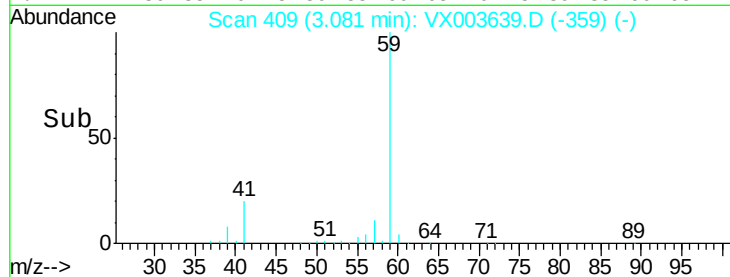
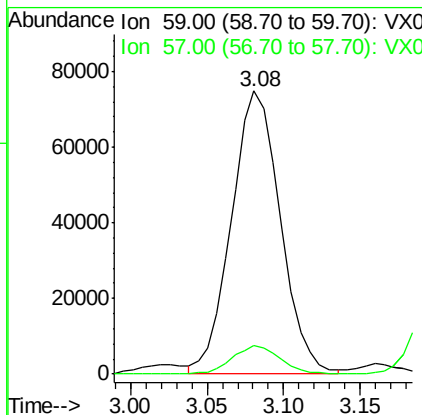
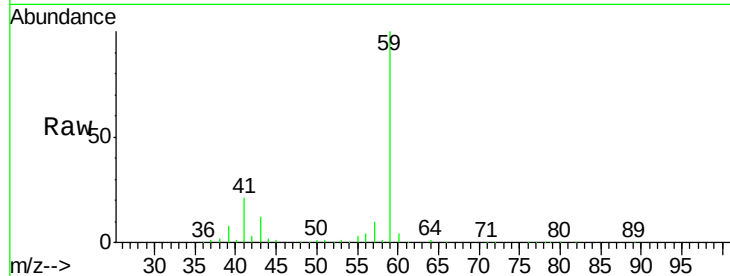
Tert butyl alcohol
Concen: 287.80 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
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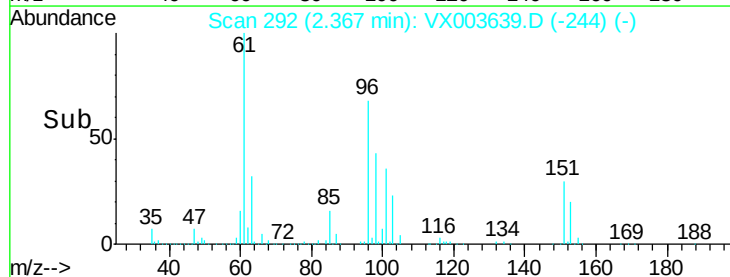
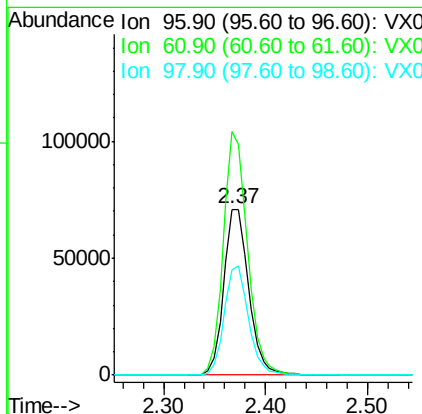
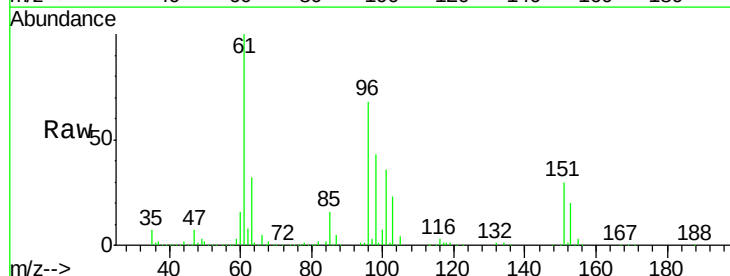
MMDadoda
7/24/2018 3:55:10 PM

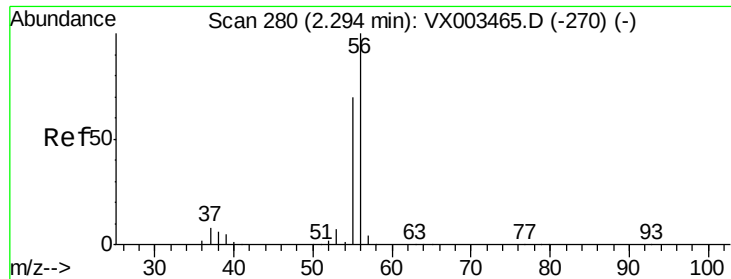


#12

1,1-Dichloroethene
Concen: 47.47 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	137.9	206.9
98	63.8	51.6	77.4





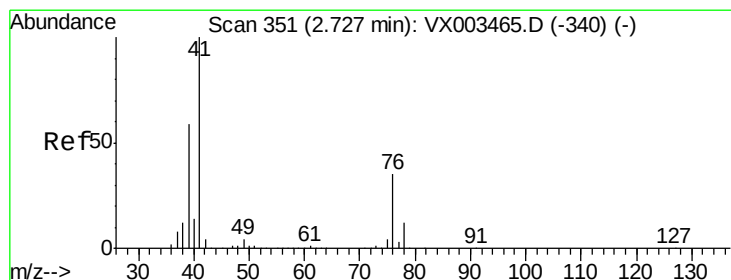
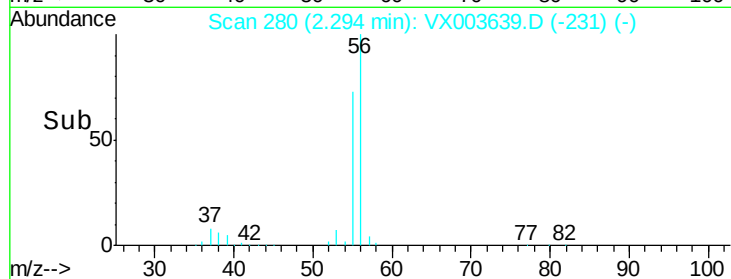
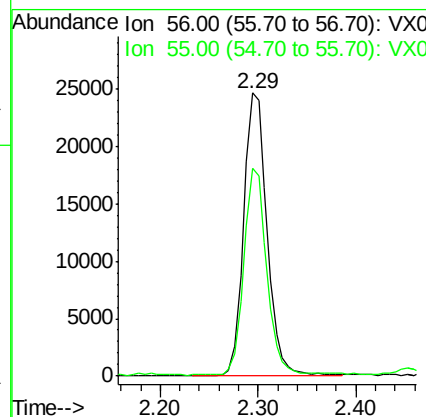
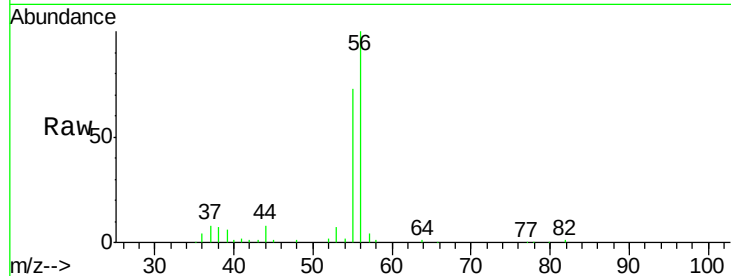
#13
 Acrolein
 Concen: 156.83 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion: 56 Resp: 41082
 Ion Ratio Lower Upper
 56 100
 55 71.1 57.0 85.4

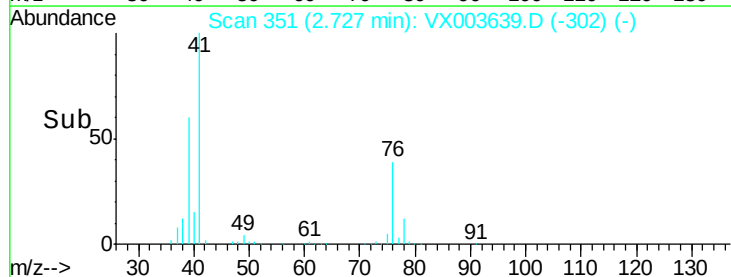
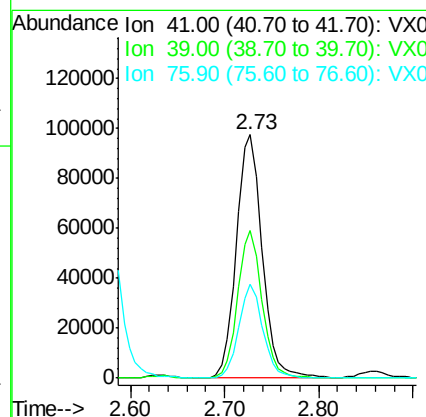
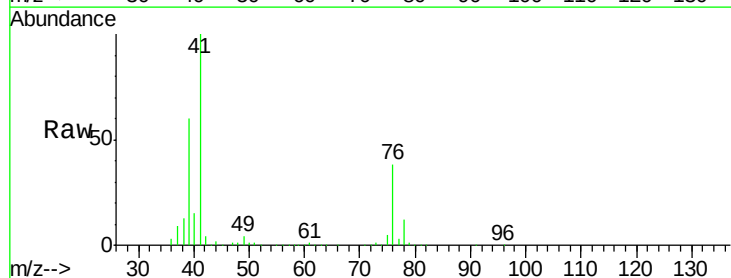
Manual Integrations
 APPROVED

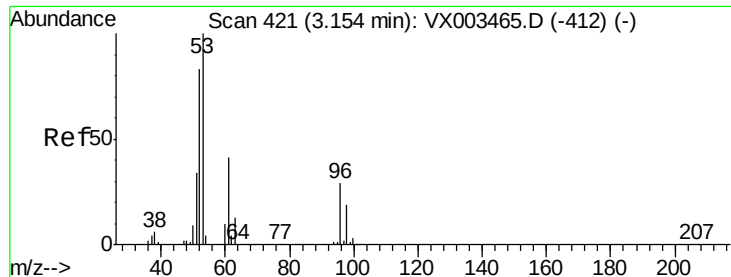
MMDadoda
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#14
 Allyl chloride
 Concen: 41.57 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion: 41 Resp: 186036
 Ion Ratio Lower Upper
 41 100
 39 57.1 56.8 85.2
 76 36.0 23.8 35.8#





#15

Acrylonitrile

Concen: 248.80 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

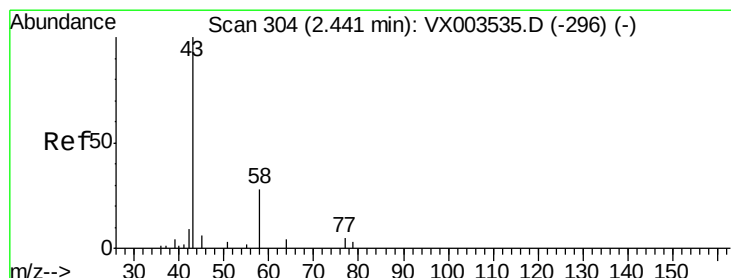
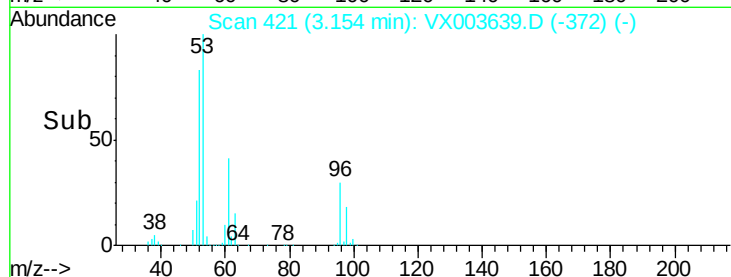
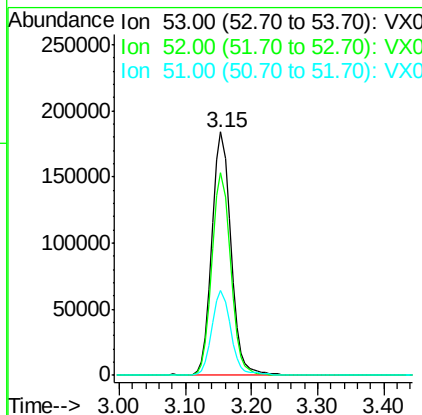
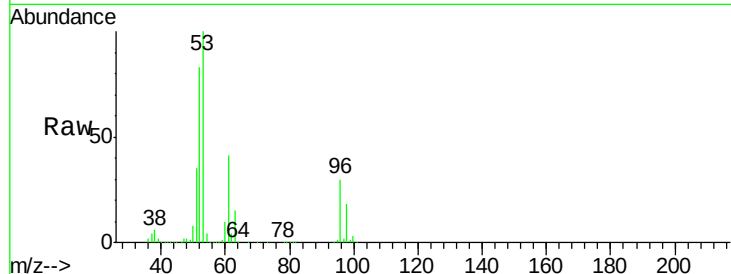
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	53	Resp:	367240
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.7	100.1
51	34.8	29.9	44.9

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#16

Acetone

Concen: 268.02 ug/l

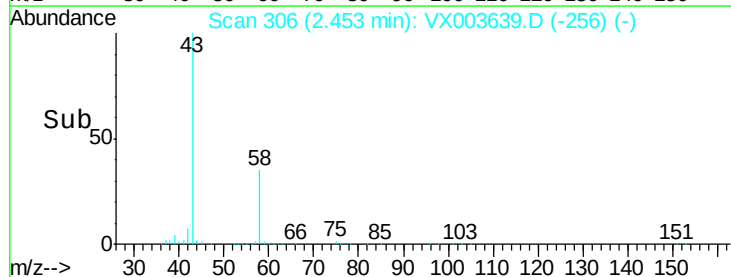
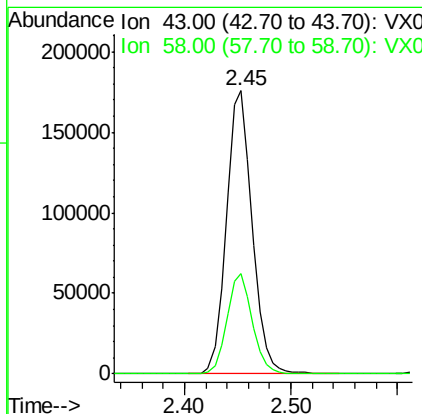
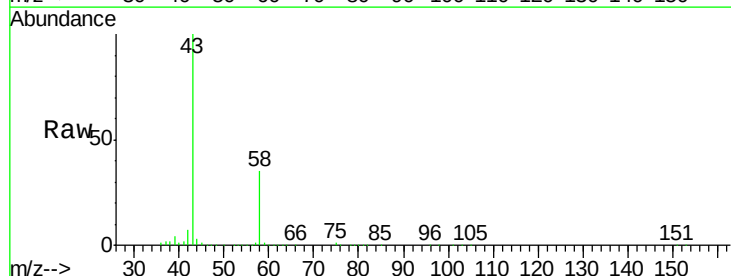
RT: 2.45 min Scan# 306

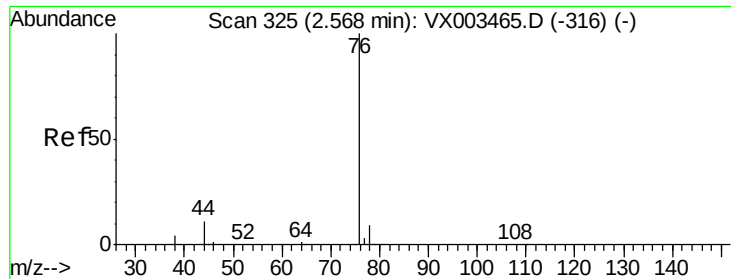
Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	43	Resp:	296612
Ion Ratio	Lower	Upper	
43	100		
58	35.4	22.1	33.1#





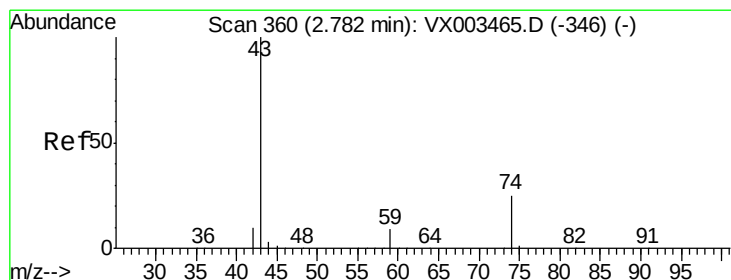
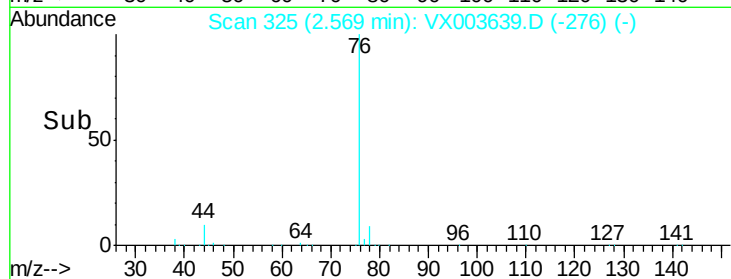
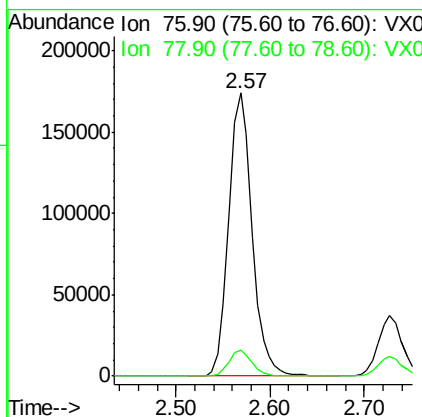
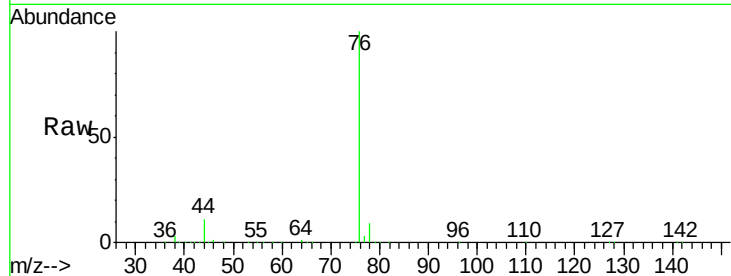
#17
Carbon Disulfide
Concen: 44.11 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

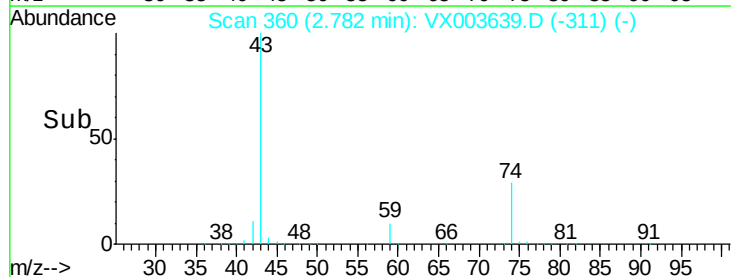
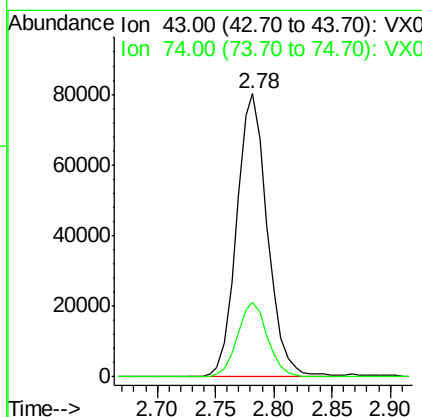
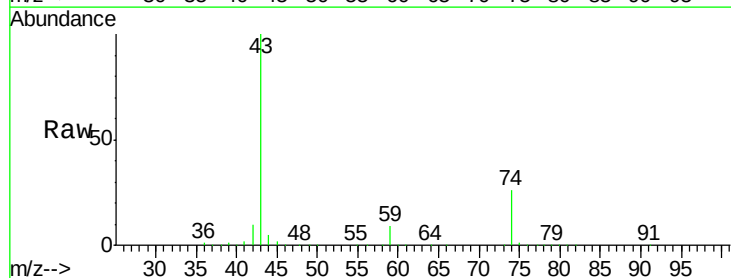
Manual Integrations
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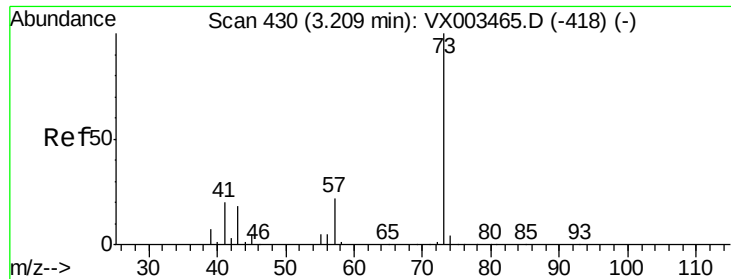
MMDadoda
7/24/2018 3:55:10 PM



#18
Methyl Acetate
Concen: 41.89 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	16.7	25.1#





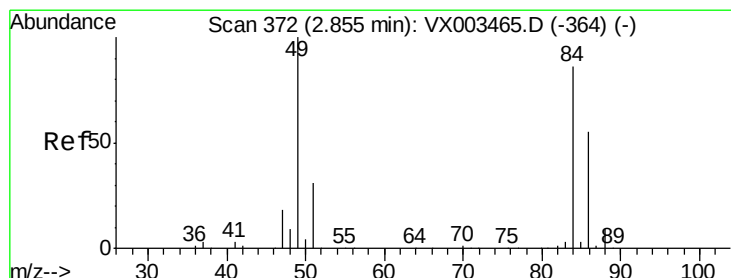
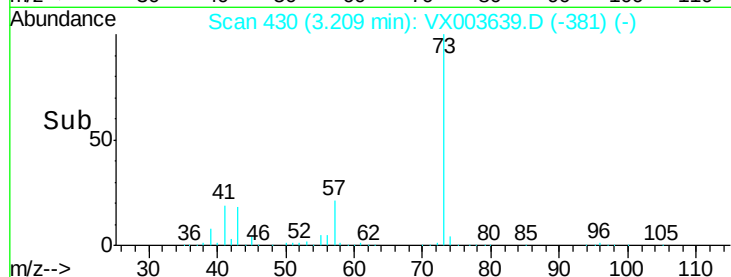
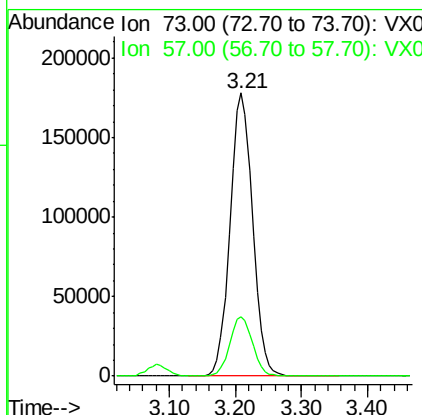
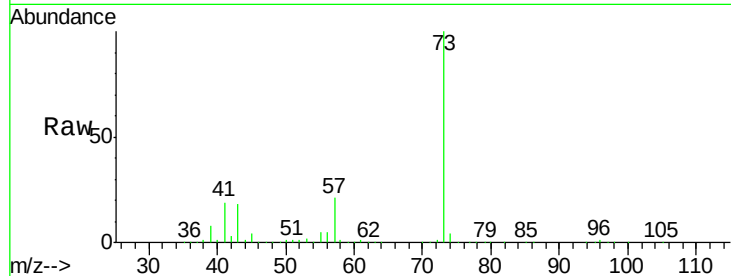
#19
Methyl tert-butyl Ether
Concen: 50.90 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion: 73 Resp: 420169
Ion Ratio Lower Upper
73 100
57 21.2 17.7 26.5

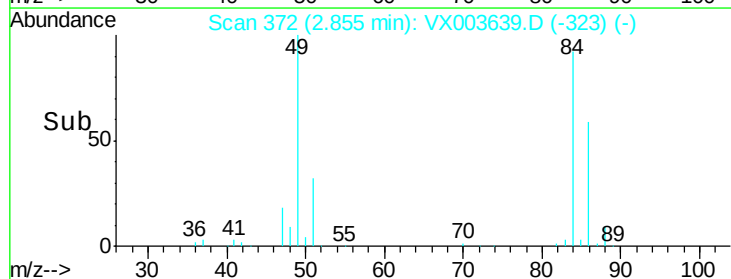
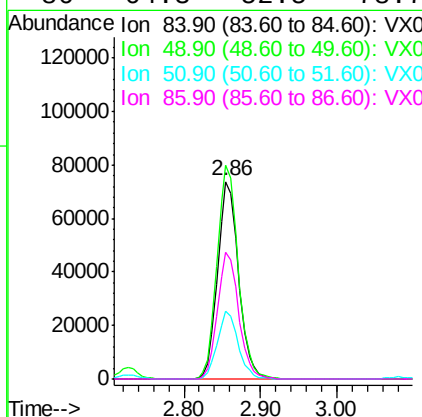
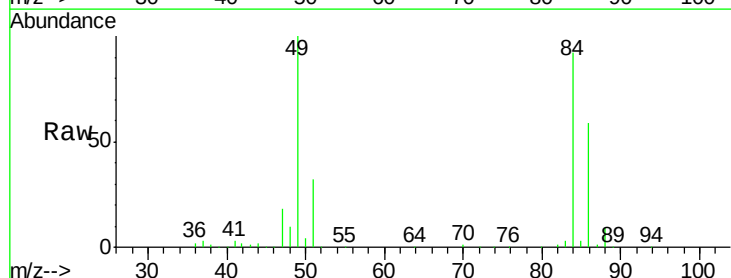
Manual Integrations
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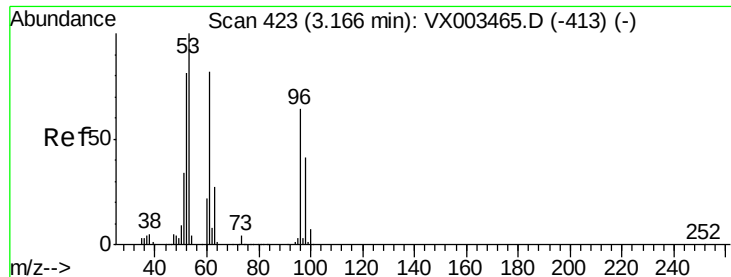
MMDadoda
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#20
Methylene Chloride
Concen: 51.81 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion: 84 Resp: 140114
Ion Ratio Lower Upper
84 100
49 108.3 107.8 161.6
51 34.5 32.8 49.2
86 64.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.94 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

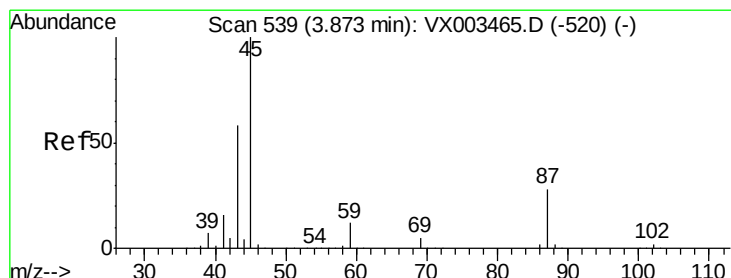
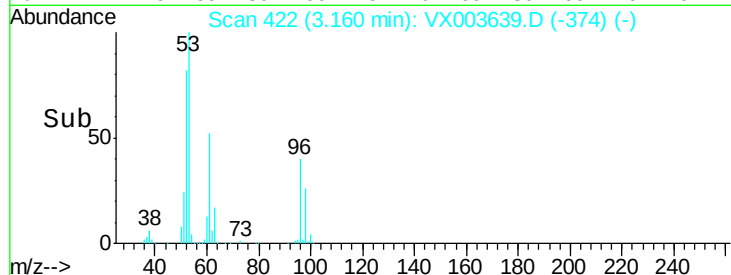
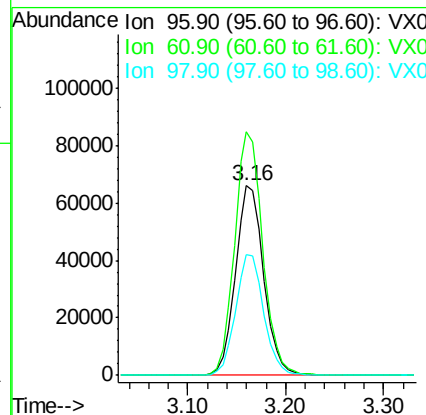
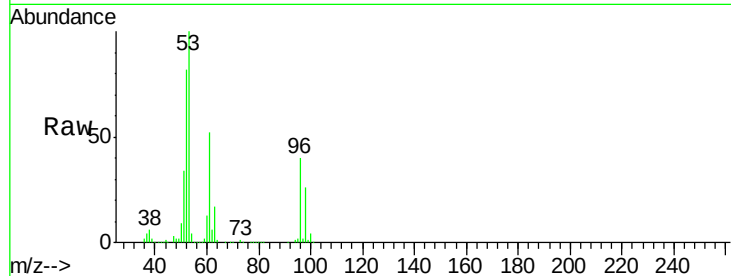
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	96	Resp:	132034
Ion Ratio	Lower	Upper	
96	100		
61	128.3	117.0	175.4
98	63.9	52.4	78.6

Manual Integrations
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7/24/2018 3:55:10 PM



#22

Diisopropyl ether

Concen: 49.35 ug/l

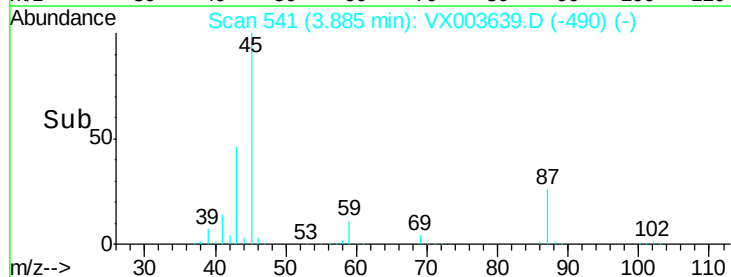
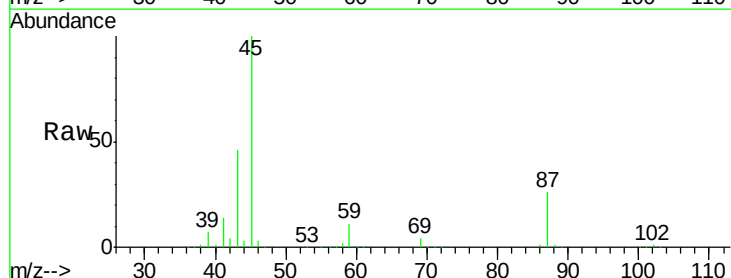
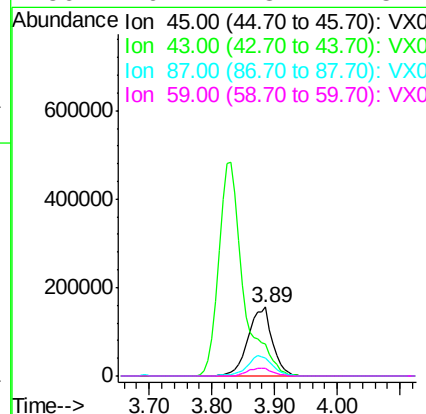
RT: 3.89 min Scan# 541

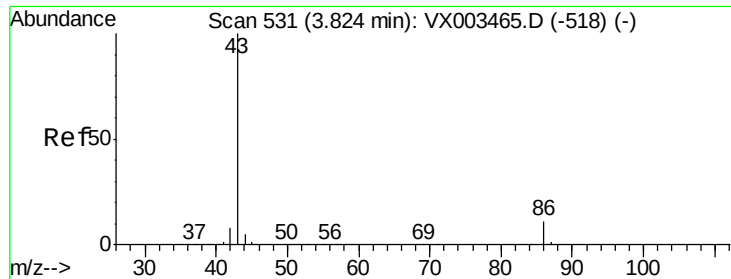
Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	45	Resp:	415570
Ion Ratio	Lower	Upper	
45	100		
43	45.6	46.8	70.2#
87	26.0	20.2	30.4
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 188.66 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 43 Resp: 1308640

Ion Ratio Lower Upper

43 100

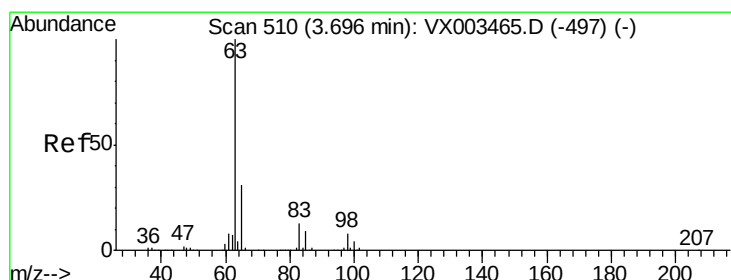
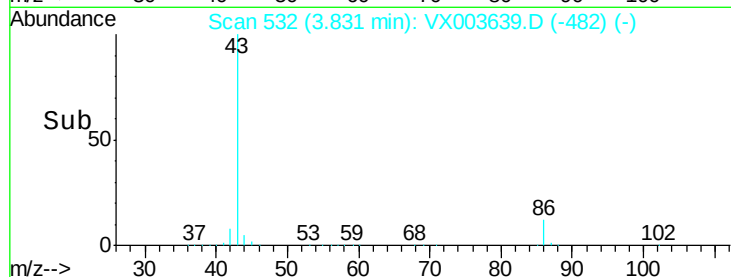
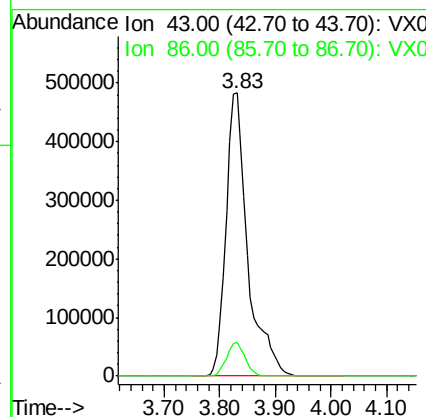
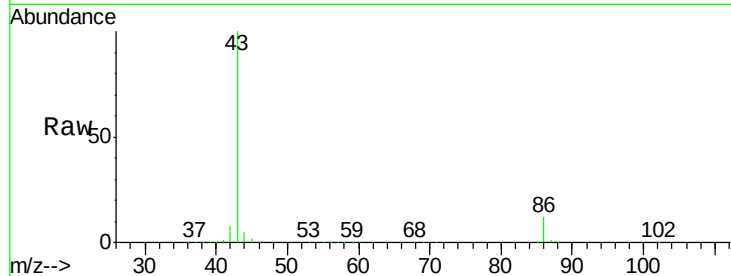
86 11.8 7.4 11.0#

Manual Integrations

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7/24/2018 3:55:10 PM



#24

1,1-Dichloroethane

Concen: 48.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

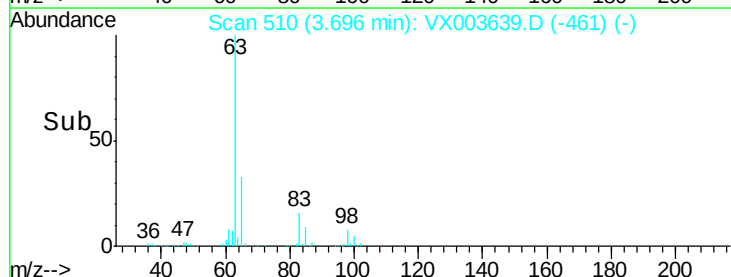
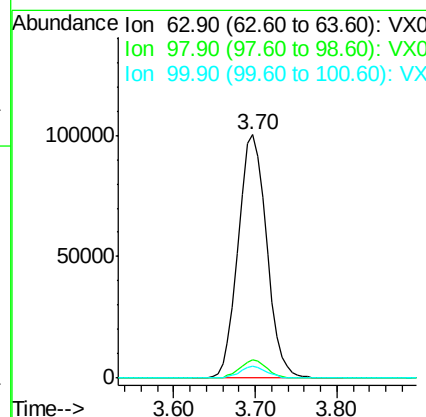
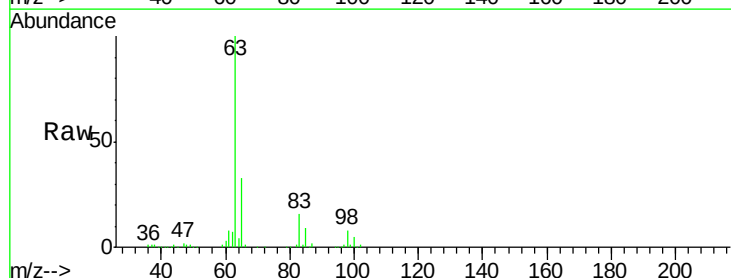
Tgt Ion: 63 Resp: 241335

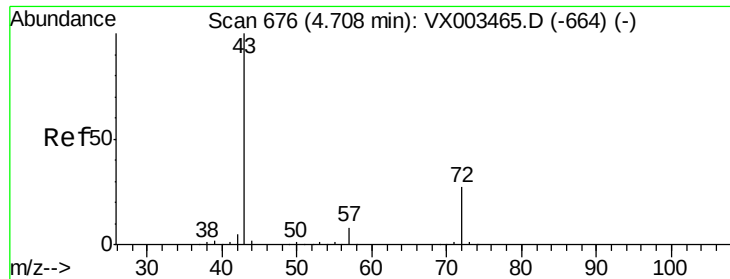
Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 263.28 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 43 Resp: 488874

Ion Ratio Lower Upper

43 100

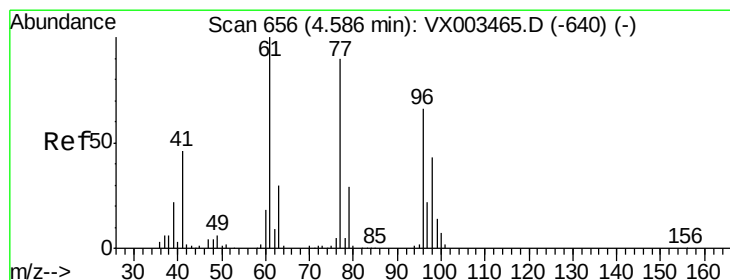
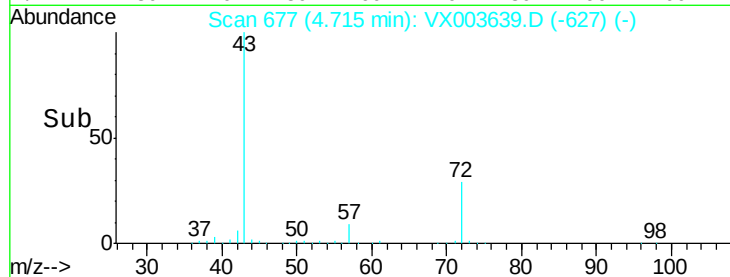
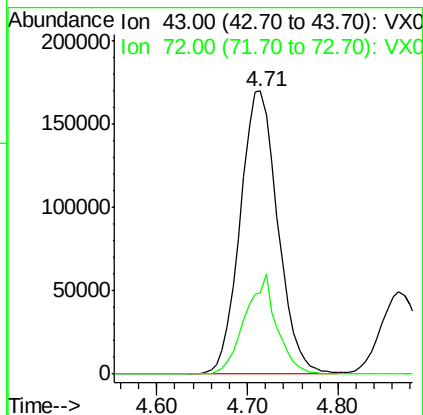
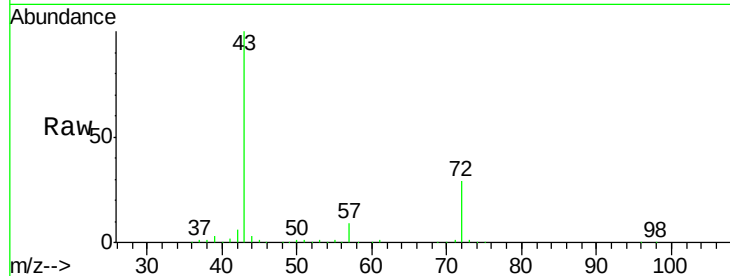
72 28.8 18.5 27.7#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.01 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003639.D

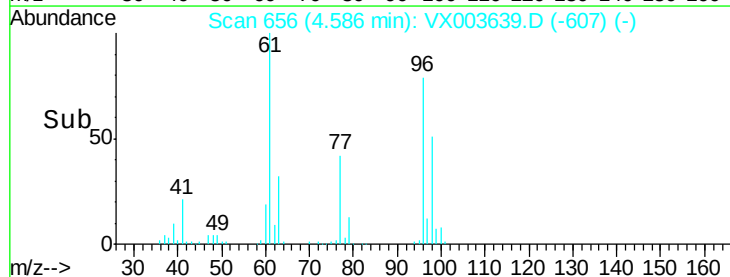
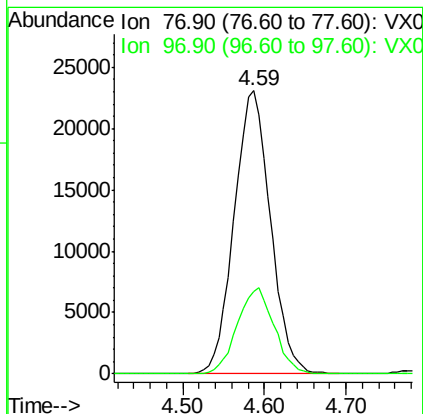
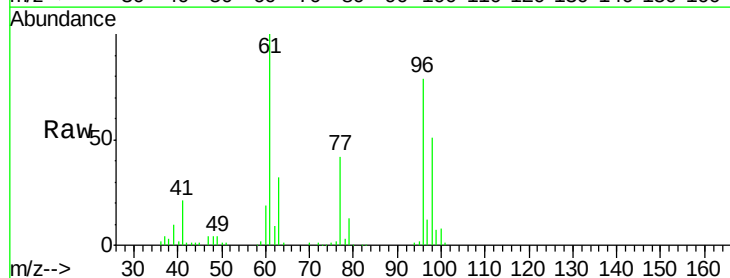
Acq: 24 Jul 2018 08:02

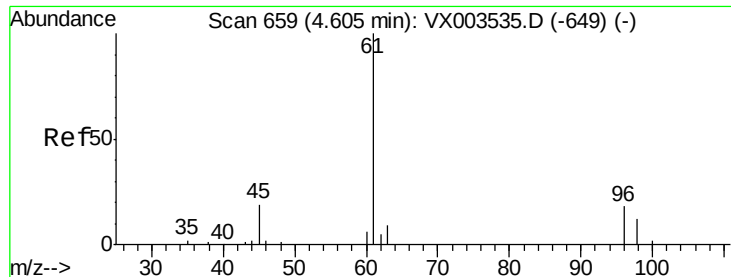
Tgt Ion: 77 Resp: 71323

Ion Ratio Lower Upper

77 100

97 30.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.72 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

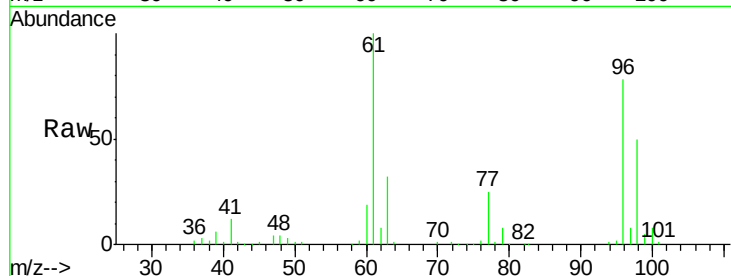
ClientSampleId :

RE123D3-071818MSD

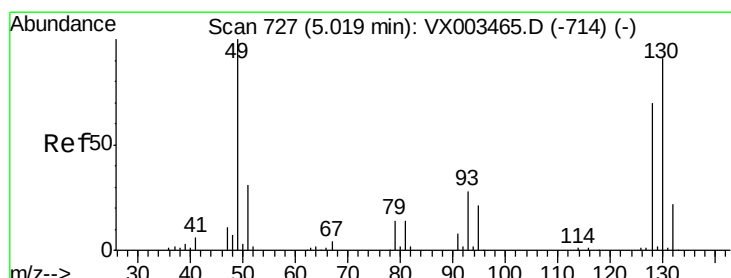
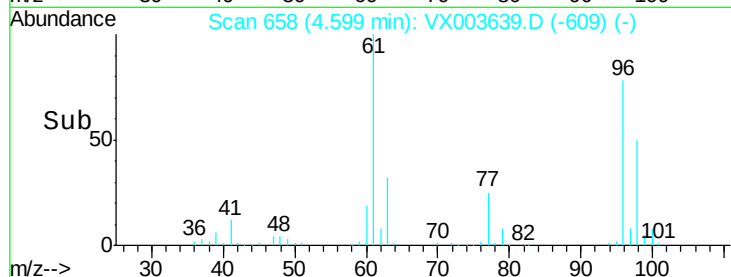
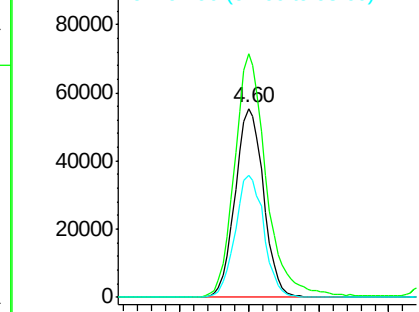
Tot Ion:	96	Resp:	155718
Ion Ratio	Lower	Upper	
96	100		
61	145.6	0.0	330.2
98	65.3	0.0	130.2

Manual Integrations
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7/24/2018 3:55:10 PM



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: 48.06 ug/l

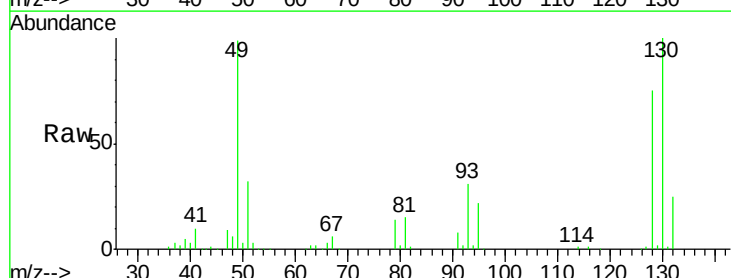
RT: 5.03 min Scan# 728

Delta R.T. 0.01 min

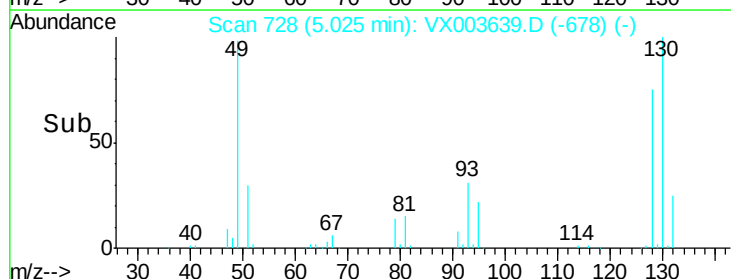
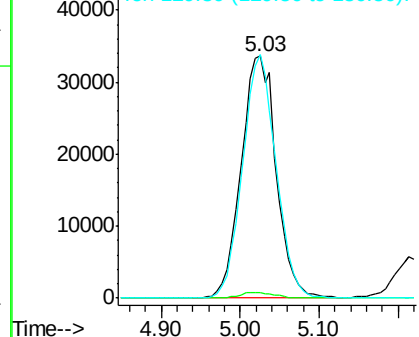
Lab File: VX003639.D

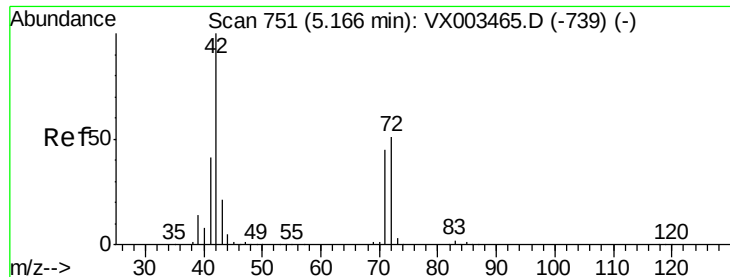
Acq: 24 Jul 2018 08:02

Tgt Ion:	49	Resp:	103778
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.2
130	95.9	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





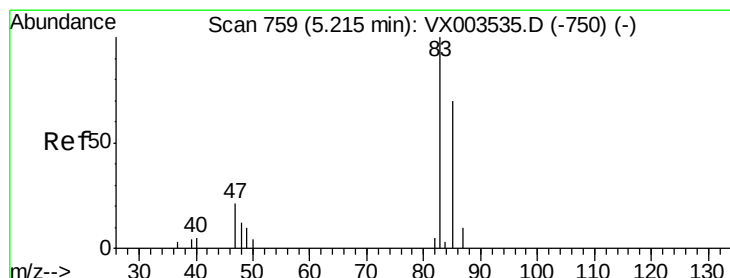
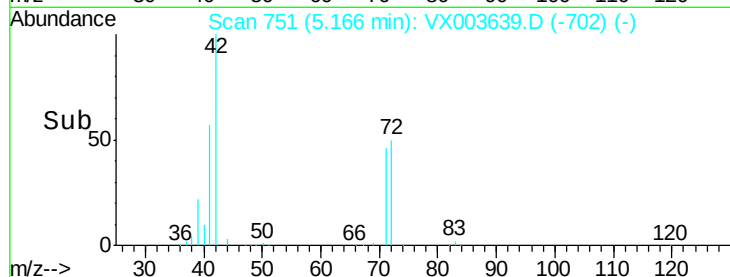
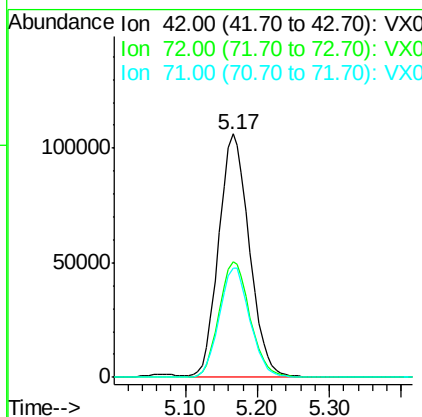
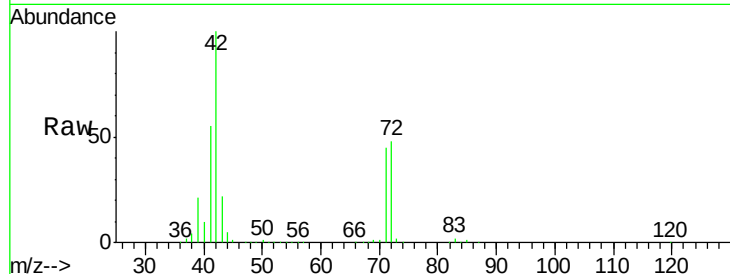
#29
Tetrahydrofuran
Concen: 255.23 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	32.0	48.0#
71	45.1	30.1	45.1

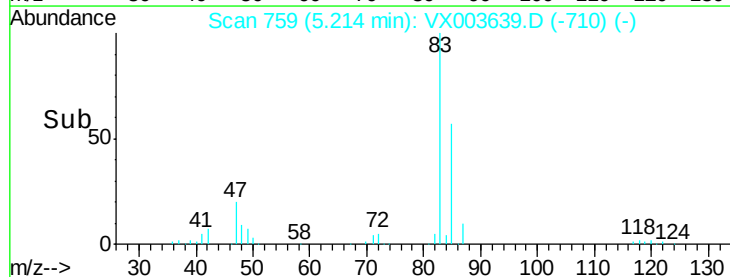
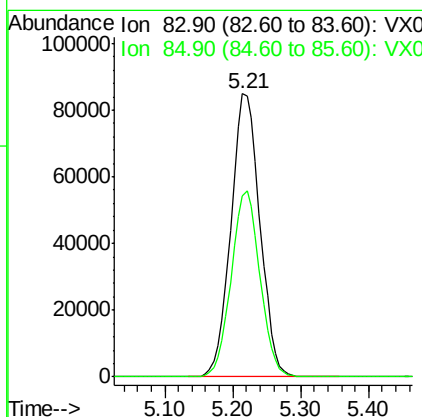
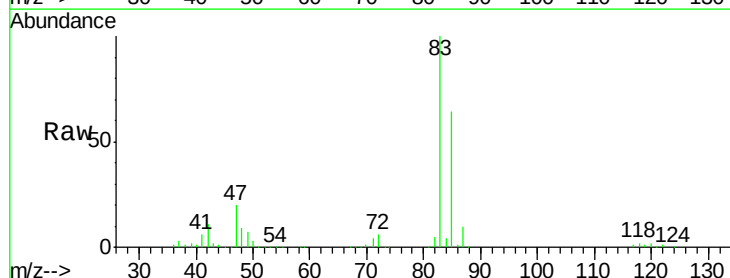
Manual Integrations
APPROVED

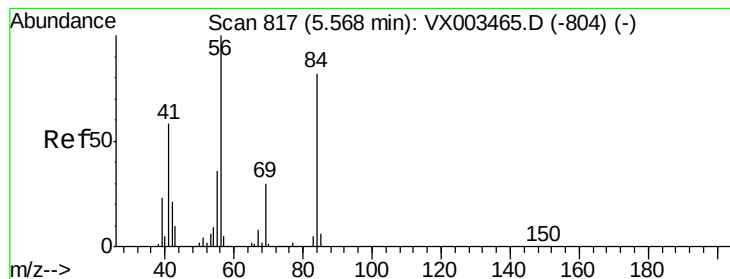
MMDadoda
7/24/2018 3:55:10 PM



#30
Chloroform
Concen: 52.06 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.4	75.6





#31

Cyclohexane

Concen: 44.04 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

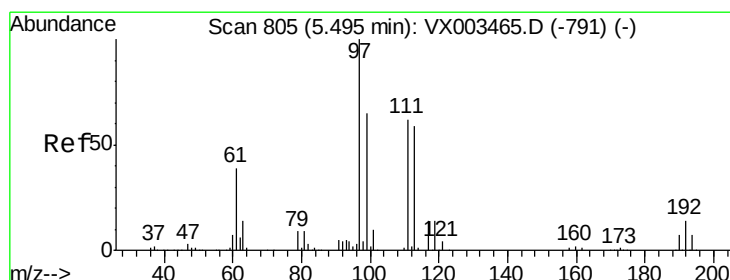
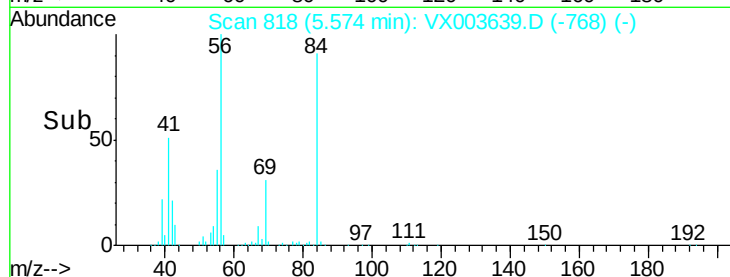
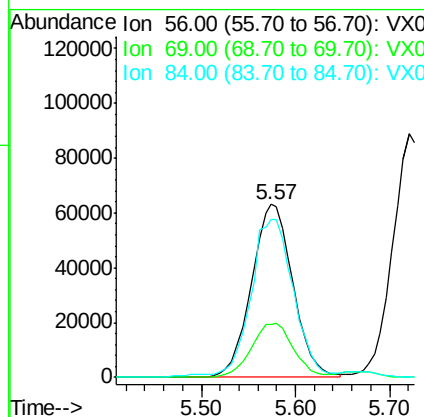
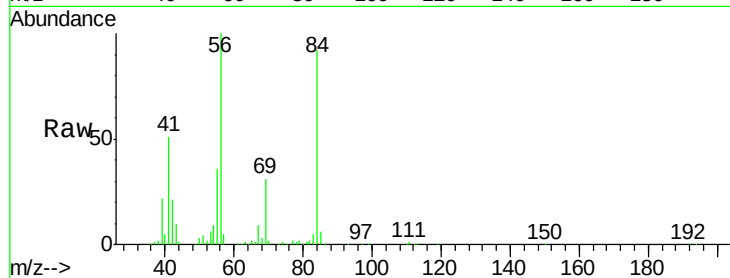
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	56	Resp:	194408
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.7	35.5
84	90.0	64.1	96.1

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 52.20 ug/l

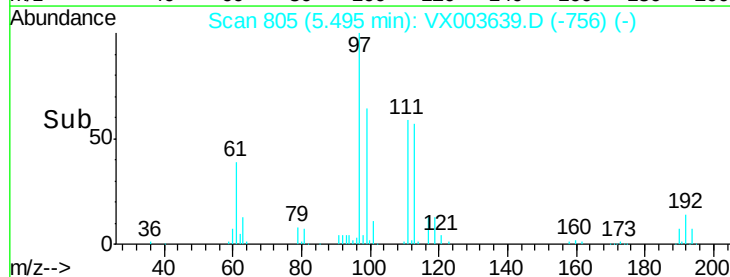
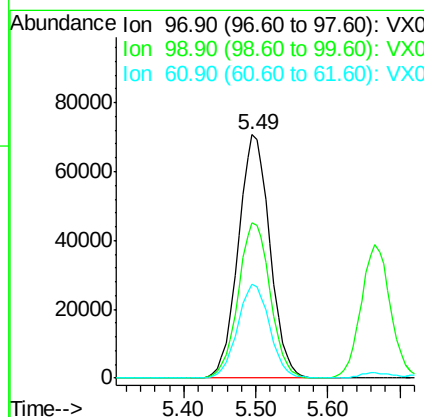
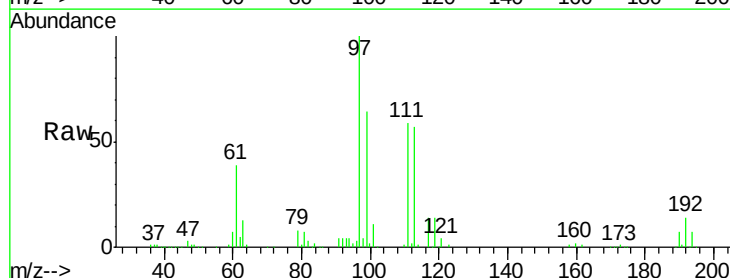
RT: 5.49 min Scan# 805

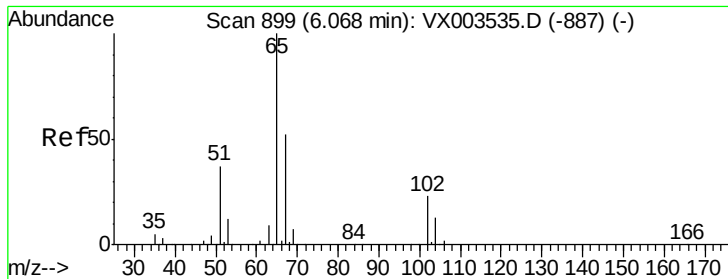
Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	97	Resp:	215665
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.6	77.4
61	39.2	36.4	54.6





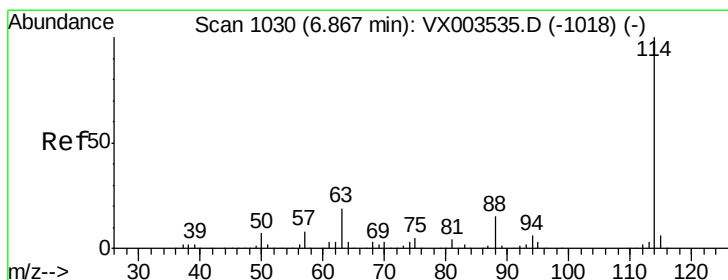
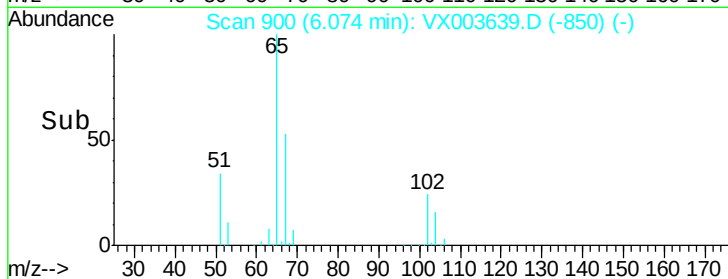
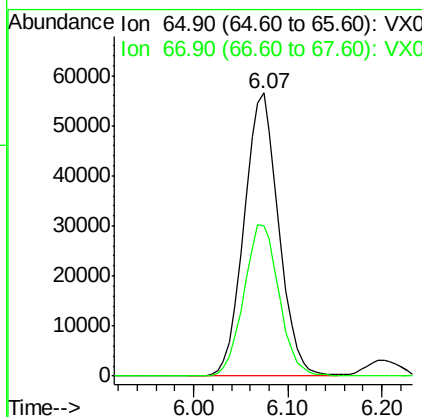
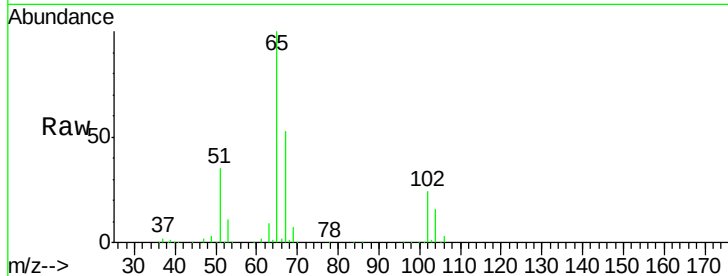
#33
 1,2-Dichloroethane-d4
 Concen: 49.60 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	102.6

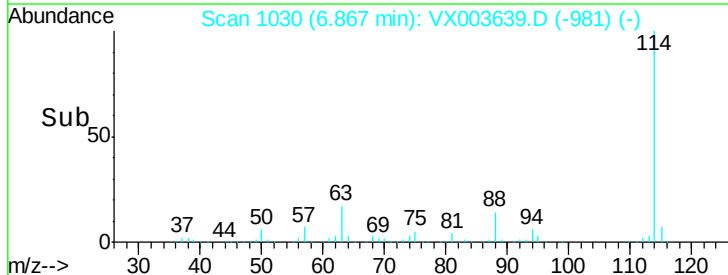
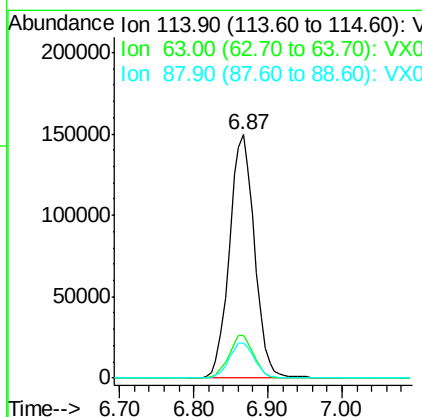
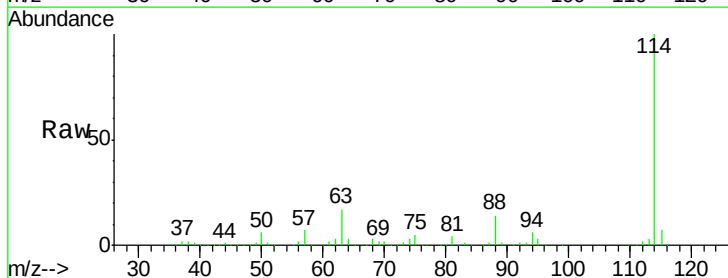
Manual Integrations
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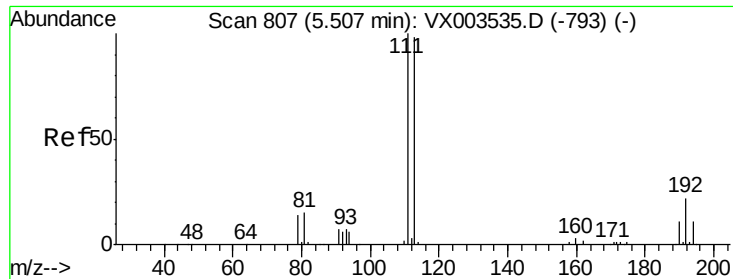
MMDadoda
 7/24/2018 3:55:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	41.4
88	14.4	0.0	30.0





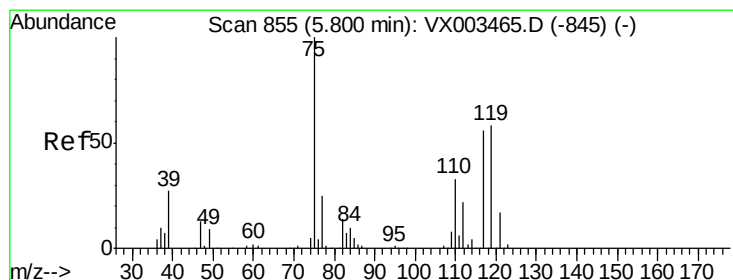
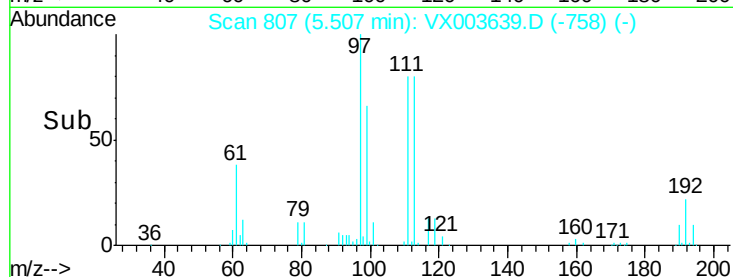
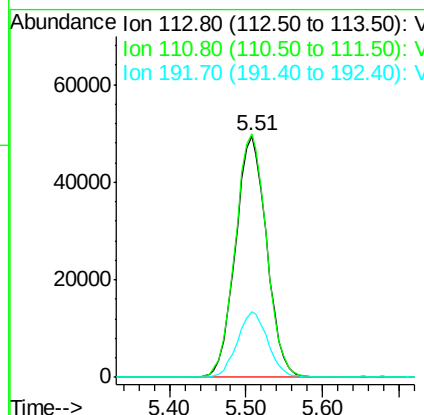
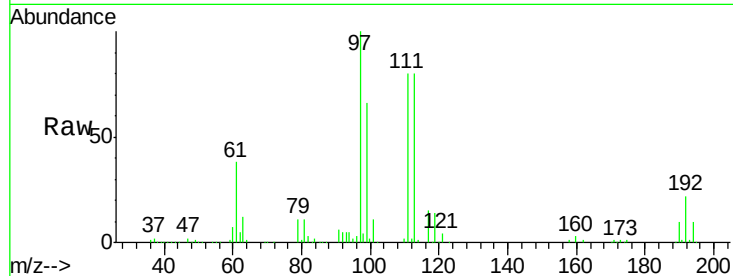
#35
Dibromofluoromethane
Concen: 51.82 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.4	122.0	
192	26.7	19.1	28.7	

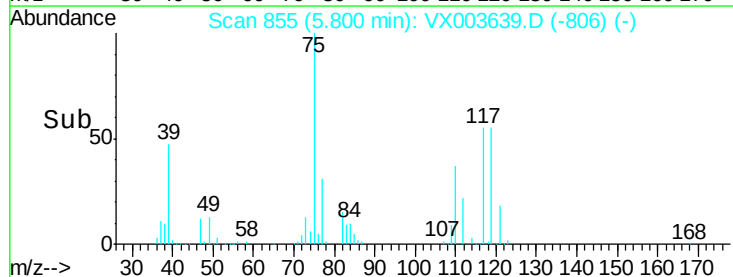
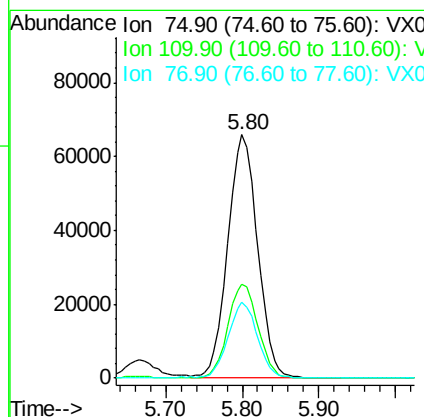
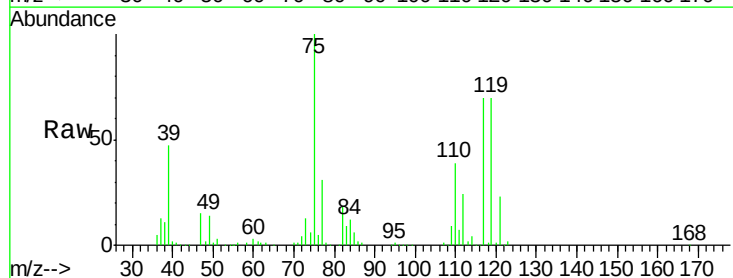
Manual Integrations
APPROVED

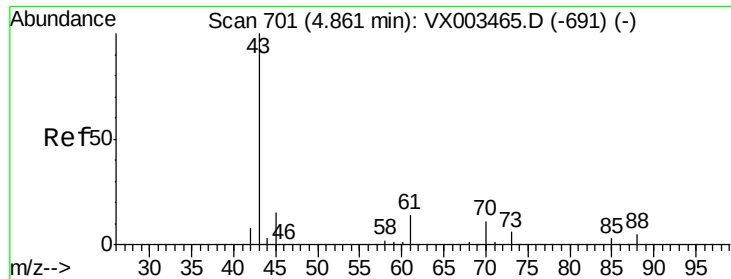
MMDadoda
7/24/2018 3:55:10 PM



#36
1,1-Dichloropropene
Concen: 46.67 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.2	18.1	54.4	
77	30.8	24.3	36.5	





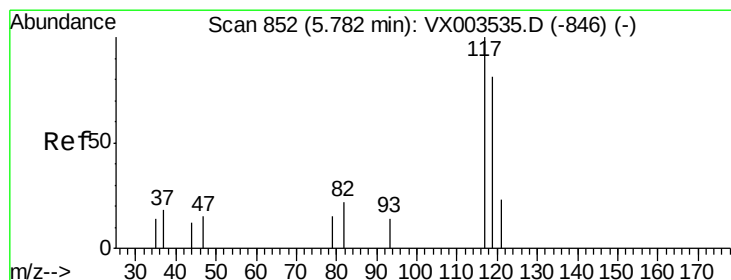
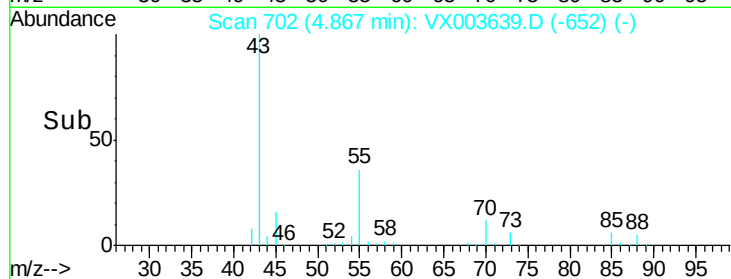
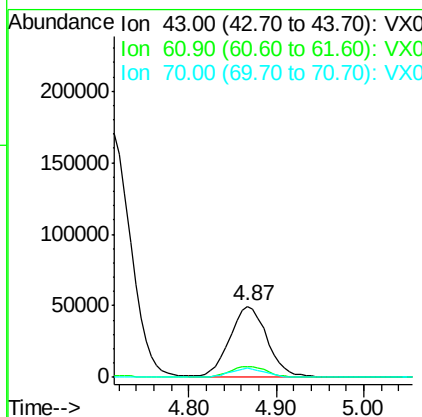
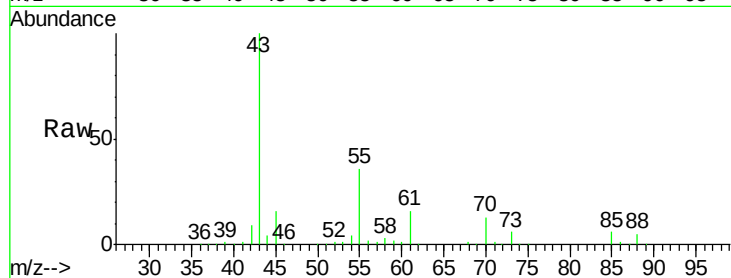
#37
Ethyl Acetate
Concen: 40.97 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	12.1	7.6	11.4

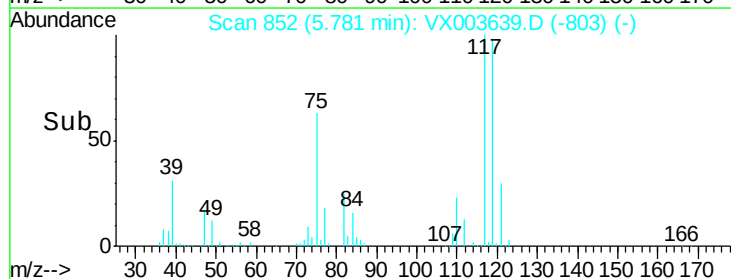
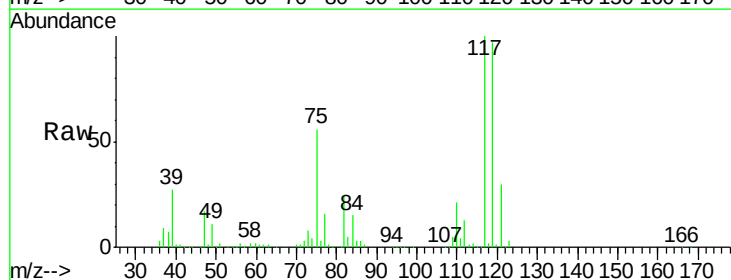
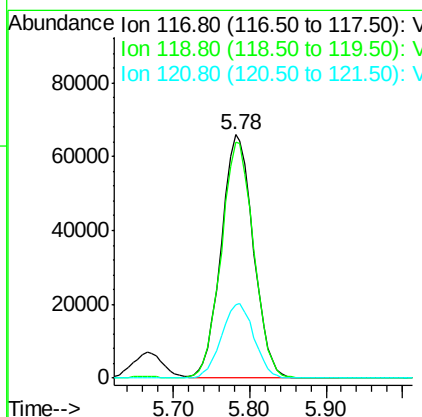
Manual Integrations
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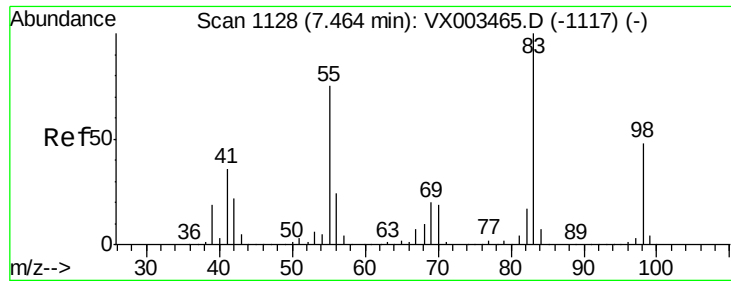
MMDadoda
7/24/2018 3:55:10 PM



#38
Carbon Tetrachloride
Concen: 51.33 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.4	116.0
121	30.3	24.4	36.6





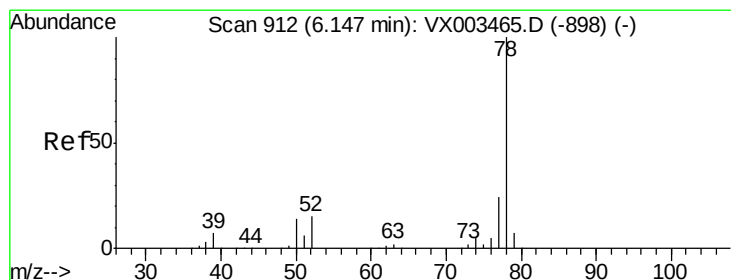
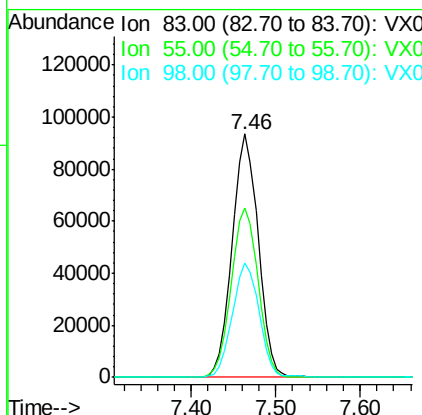
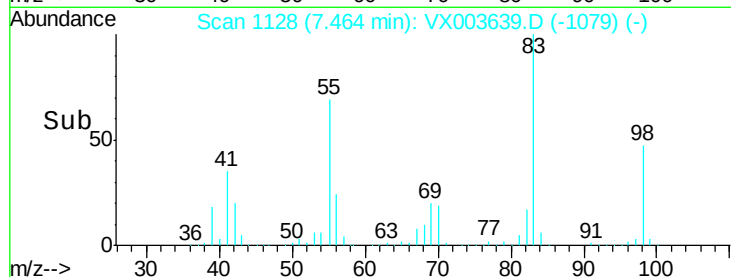
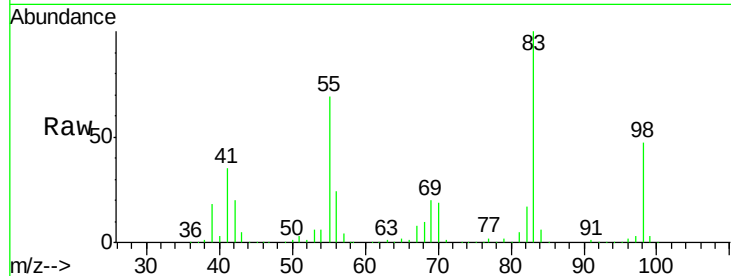
#39
Methylvlcyclohexane
Concen: 43.52 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	196117		
55	69.4		65.4	98.0
98	47.1		37.4	56.0

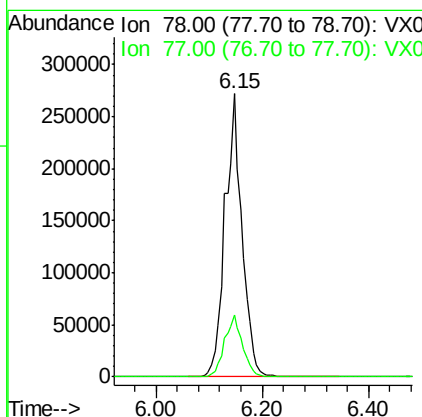
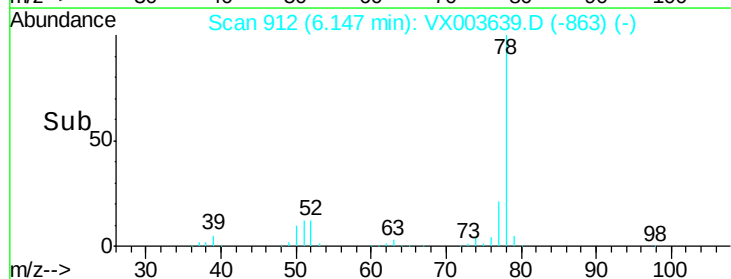
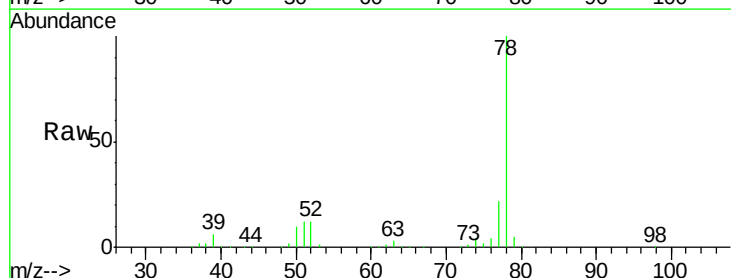
Manual Integrations
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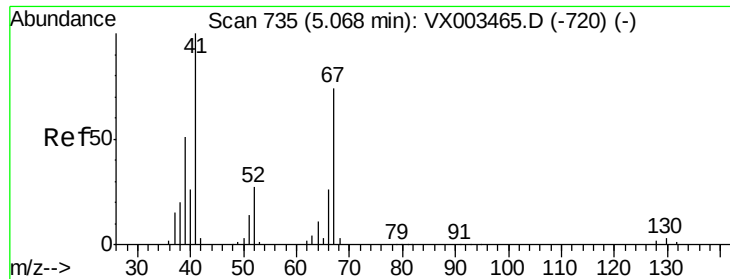
MMDadoda
7/24/2018 3:55:10 PM



#40
Benzene
Concen: 53.13 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	610351		
77	21.8		19.1	28.7





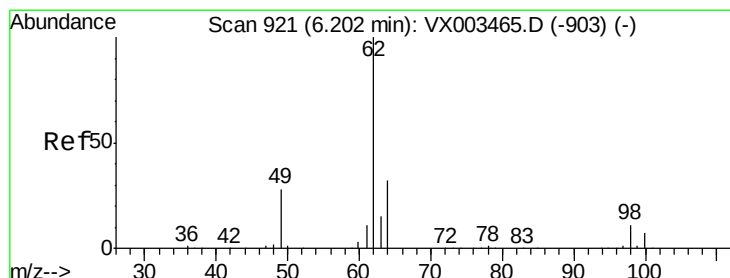
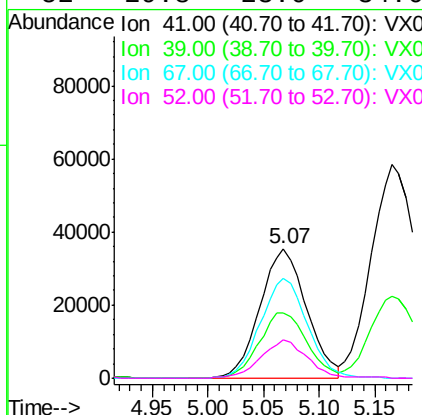
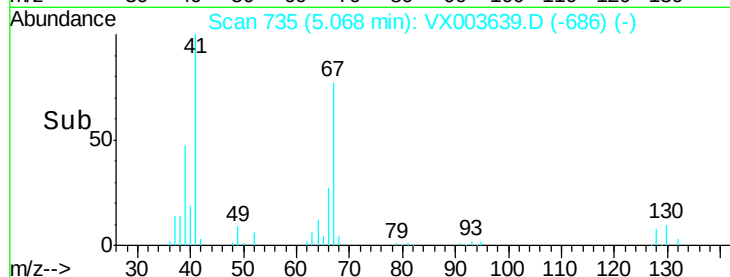
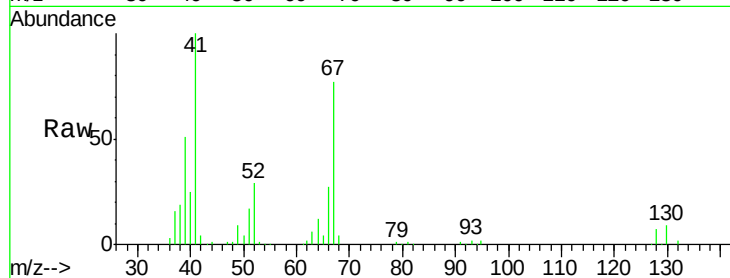
#41
Methacrylonitrile
Concen: 48.70 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	45.8	68.6	
67	77.9	51.3	76.9	
52	29.8	23.0	34.6	

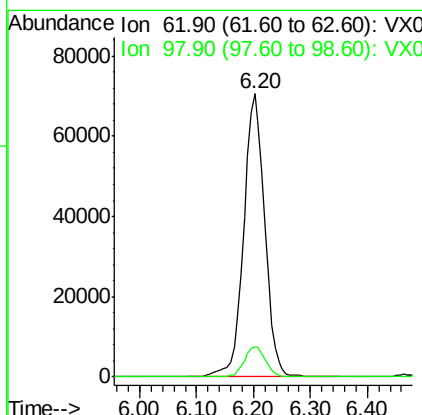
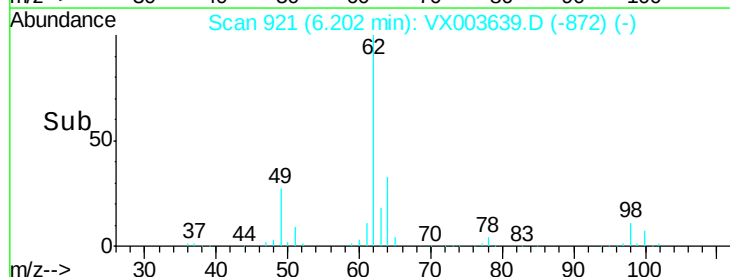
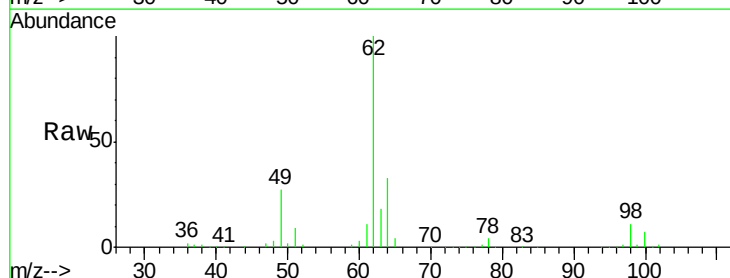
Manual Integrations
APPROVED

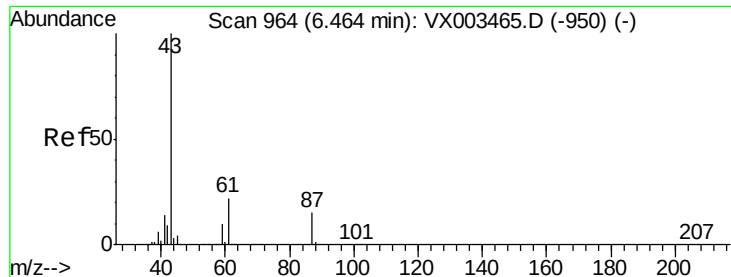
MMDadoda
7/24/2018 3:55:10 PM



#42
1,2-Dichloroethane
Concen: 50.27 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	16.6	





#43

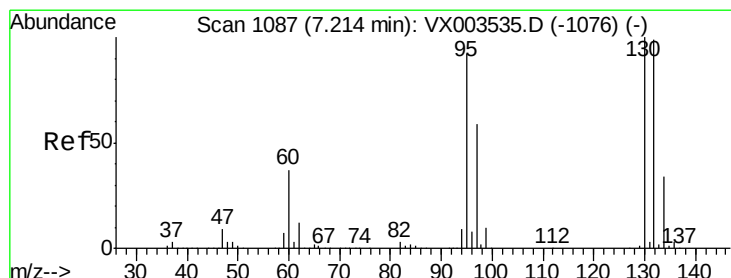
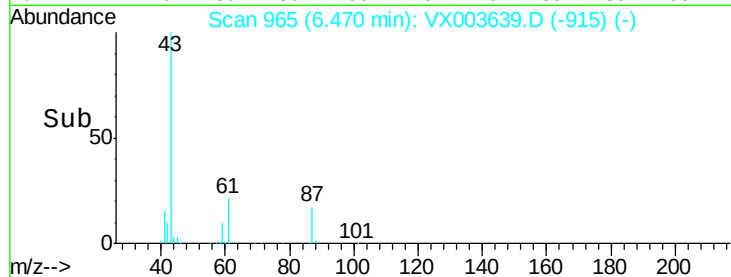
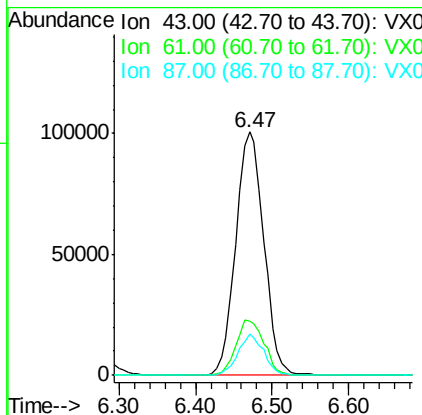
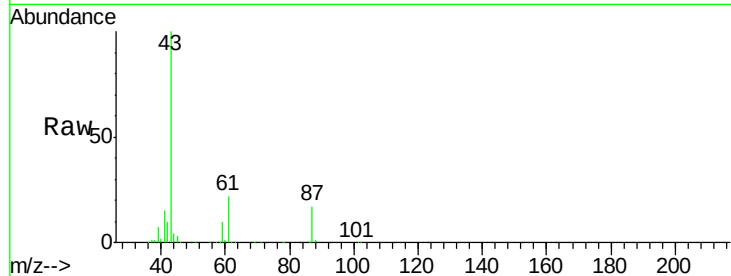
Isopropyl Acetate
 Concen: 44.61 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.9	14.4	21.6#
87	15.6	9.5	14.3#

Manual Integrations
 APPROVED

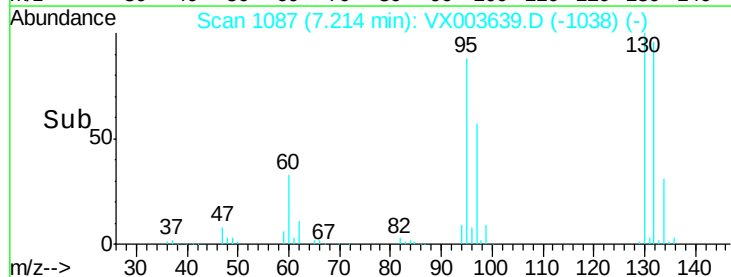
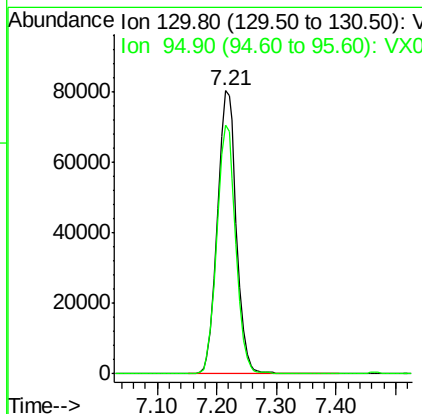
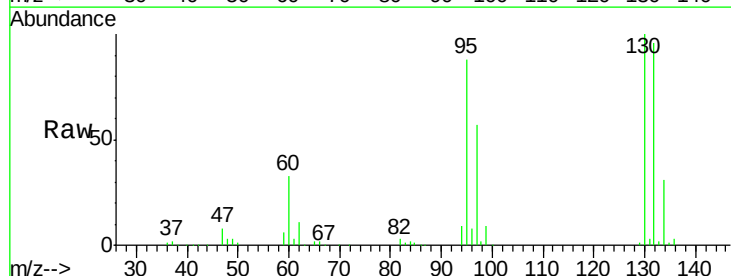
MMDadoda
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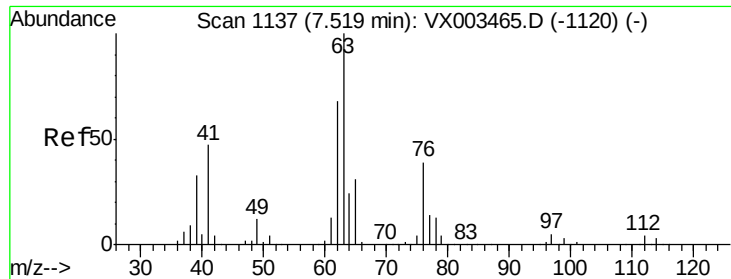


#44

Trichloroethene
 Concen: 51.73 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	185.4





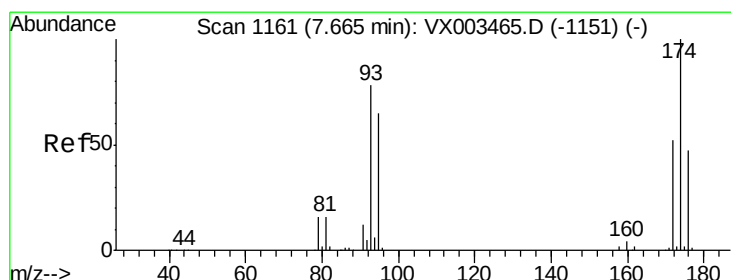
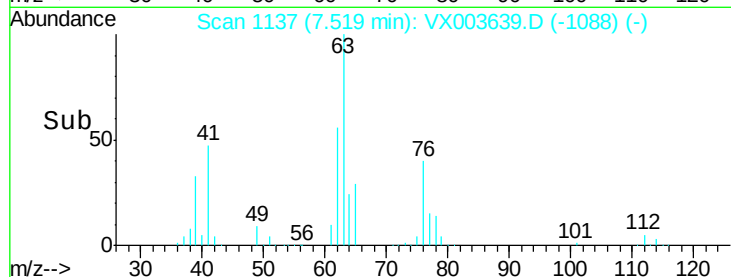
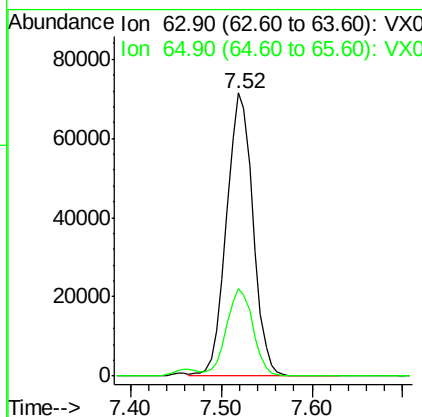
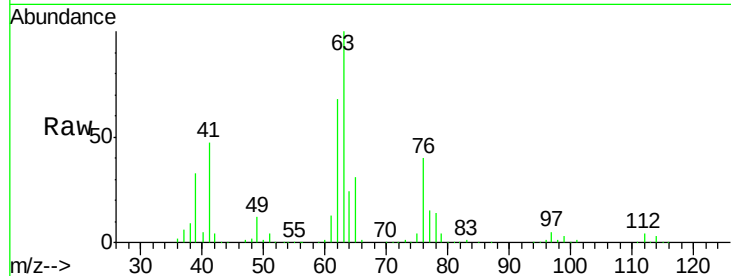
#45
 1,2-Dichloropropane
 Concen: 49.78 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion: 63 Resp: 145207
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

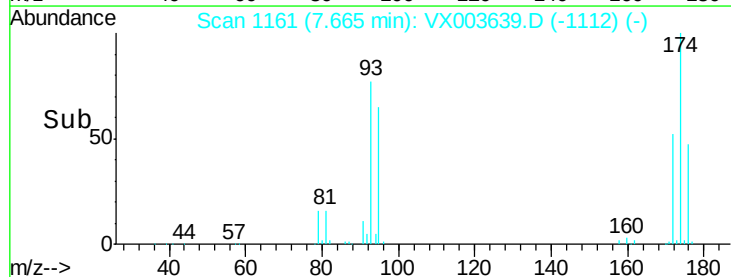
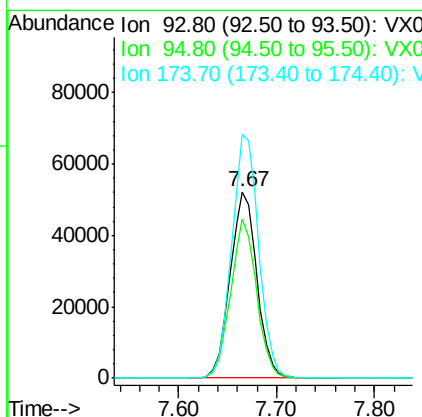
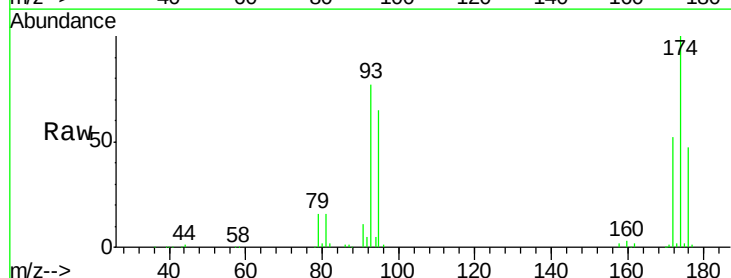
Manual Integrations
 APPROVED

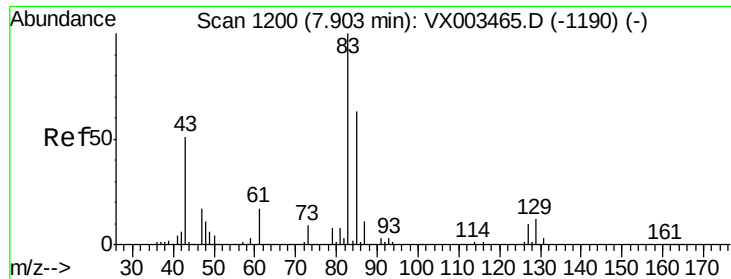
MMDadoda
 7/24/2018 3:55:10 PM



#46
 Dibromomethane
 Concen: 52.56 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion: 93 Resp: 98694
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 132.5 92.4 138.6





#47

Bromodichloromethane

Concen: 54.02 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

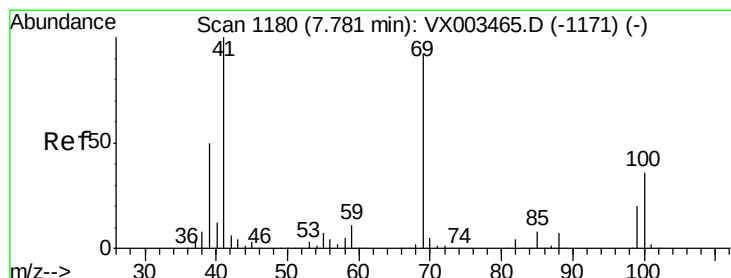
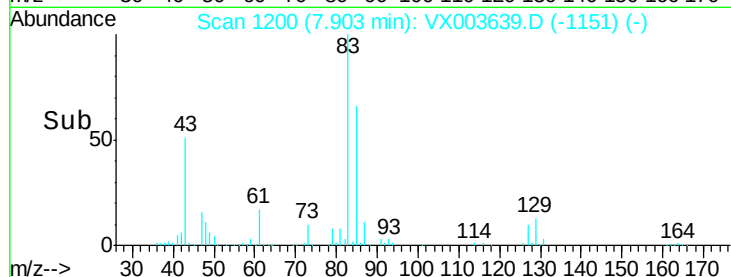
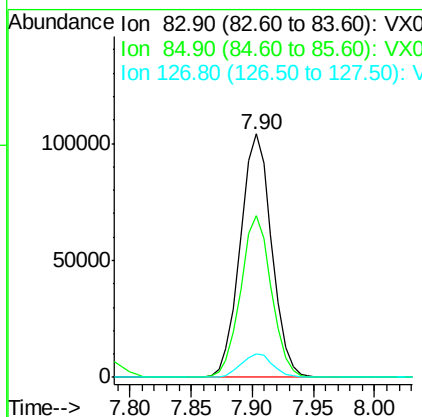
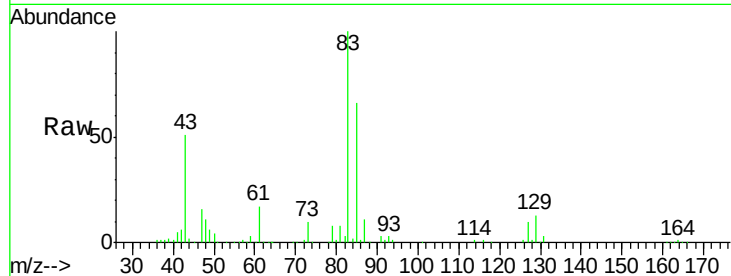
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	83	Resp:	185716
Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.3	75.5
127	9.8	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/24/2018 3:55:10 PM



#48

Methyl methacrylate

Concen: 50.88 ug/l

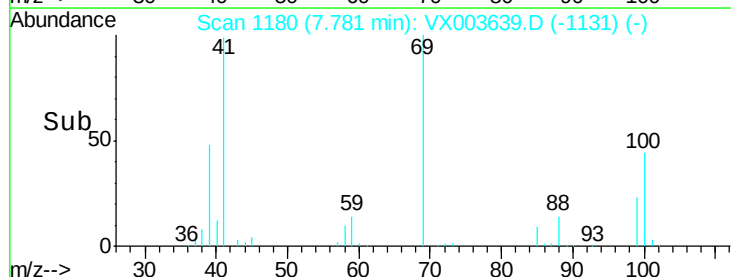
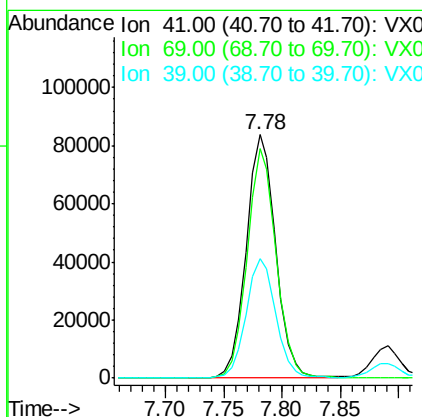
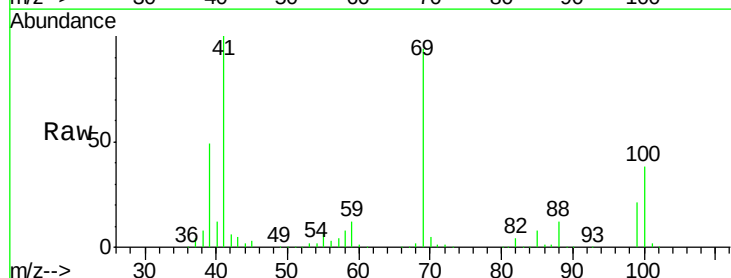
RT: 7.78 min Scan# 1180

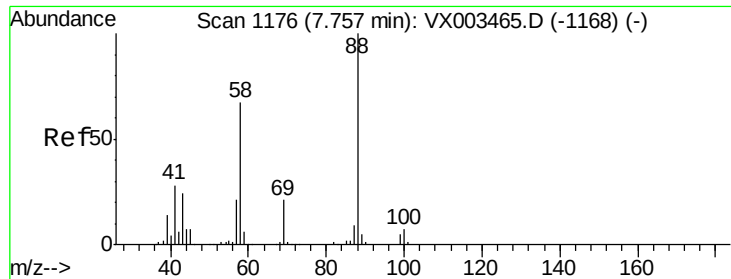
Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	41	Resp:	146952
Ion	Ratio	Lower	Upper
41	100		
69	93.7	59.1	88.7#
39	49.6	48.9	73.3





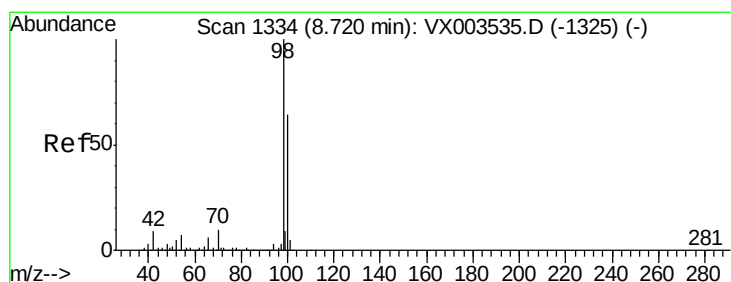
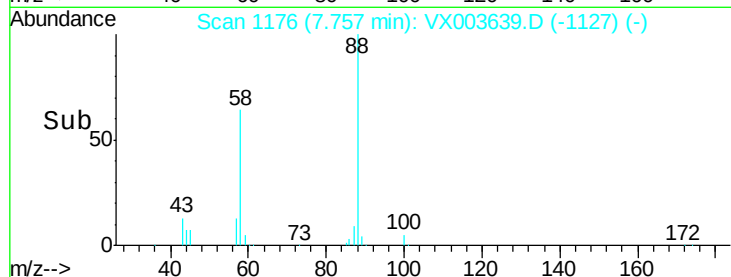
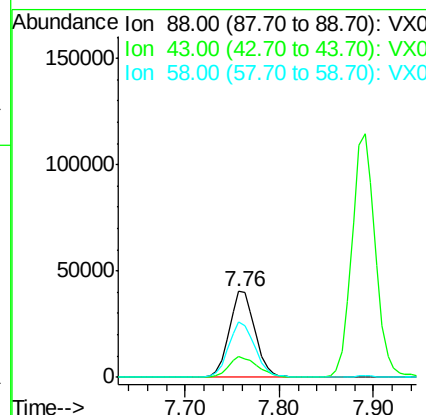
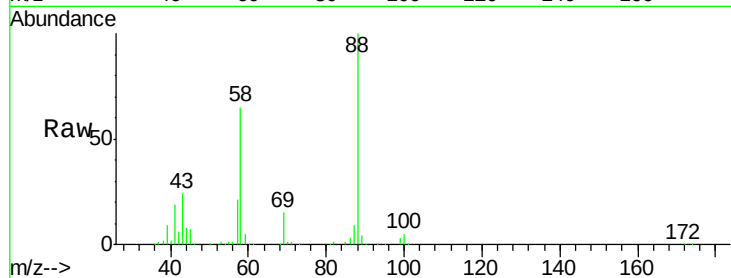
#49
1,4-Dioxane
Concen: 1171.80 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	29.8	44.6#
58	66.3	57.1	85.7

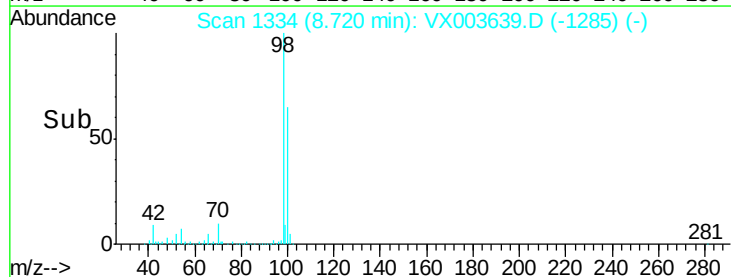
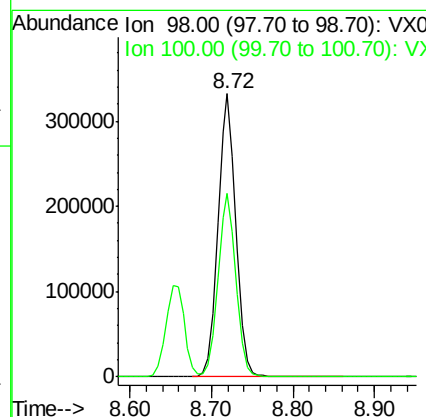
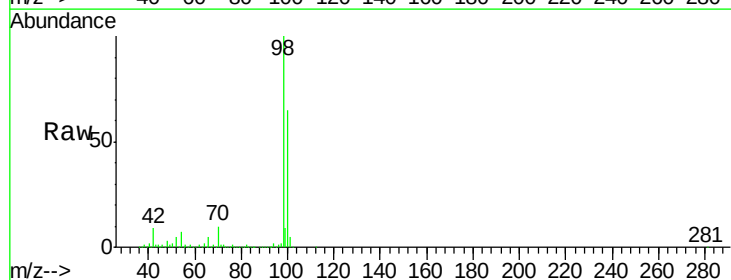
Manual Integrations
APPROVED

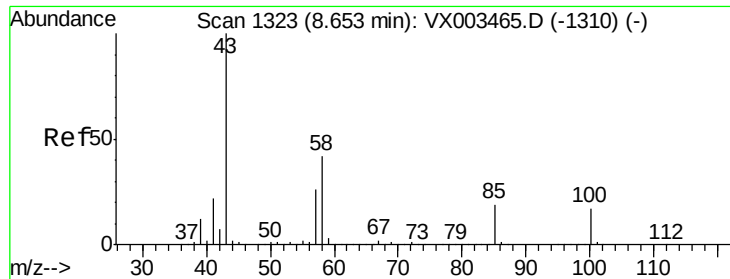
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#50
Toluene-d8
Concen: 50.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 267.13 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 43 Resp: 966511

Ion Ratio Lower Upper

43 100

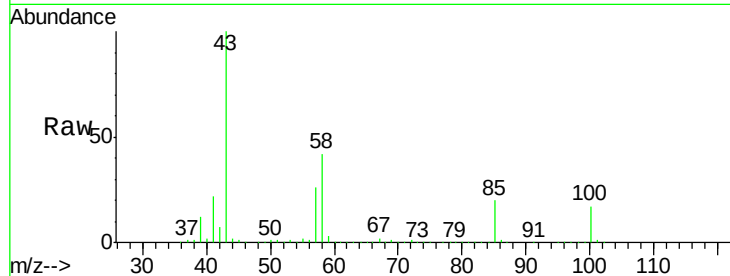
58 41.8 28.6 42.8

Manual Integrations

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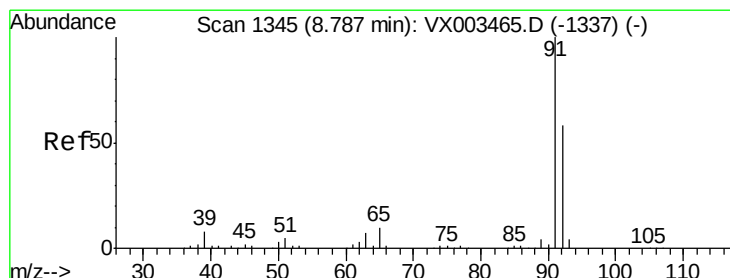
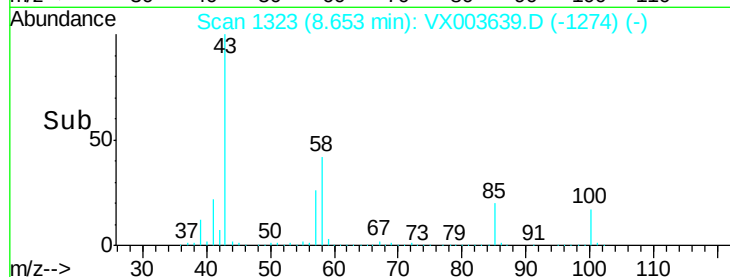
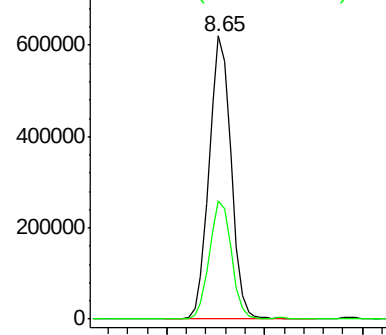
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.83 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003639.D

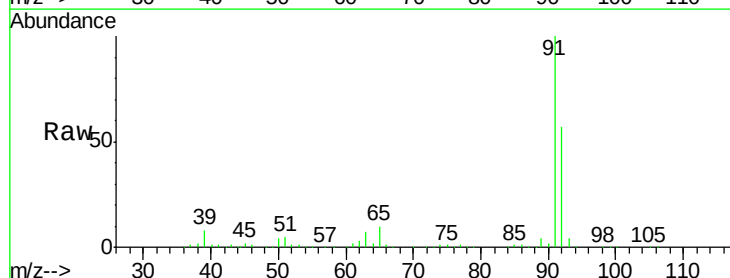
Acq: 24 Jul 2018 08:02

Tgt Ion: 92 Resp: 367536

Ion Ratio Lower Upper

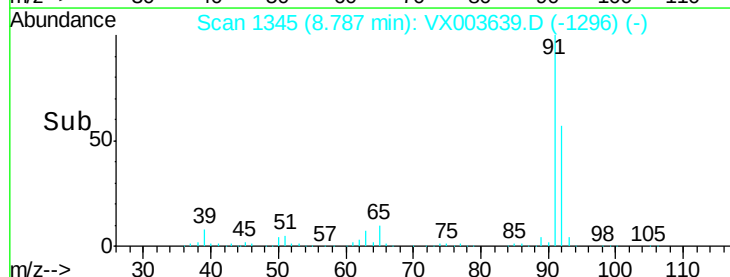
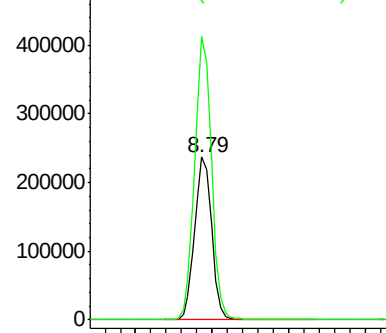
92 100

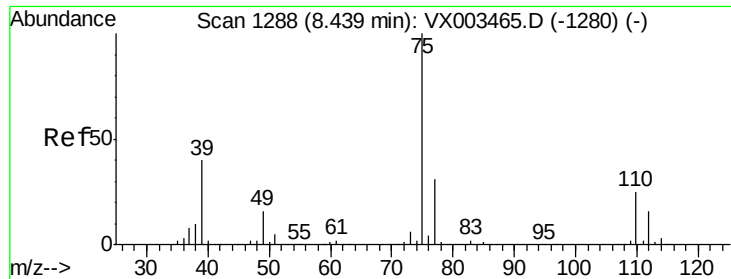
91 172.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





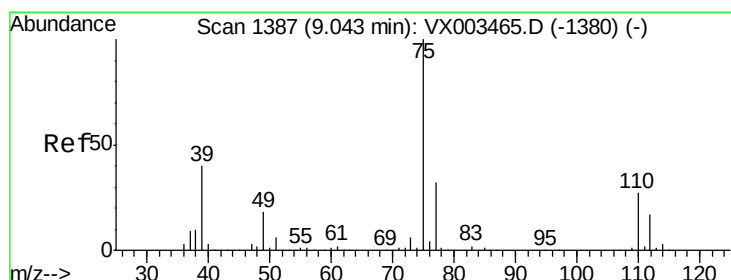
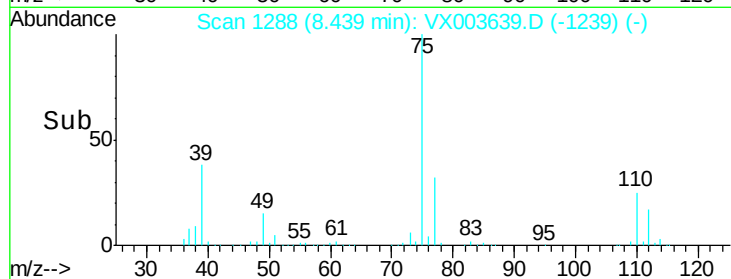
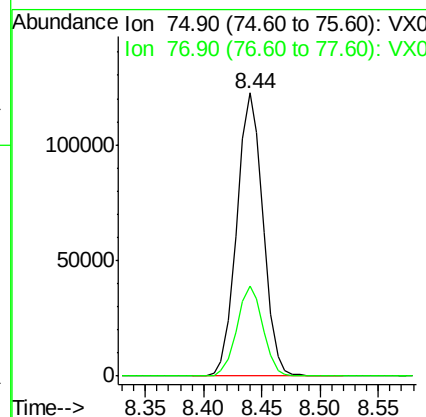
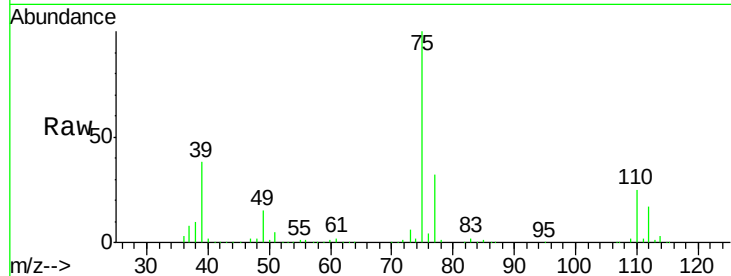
#53
 t-1,3-Dichloropropene
 Concen: 45.40 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

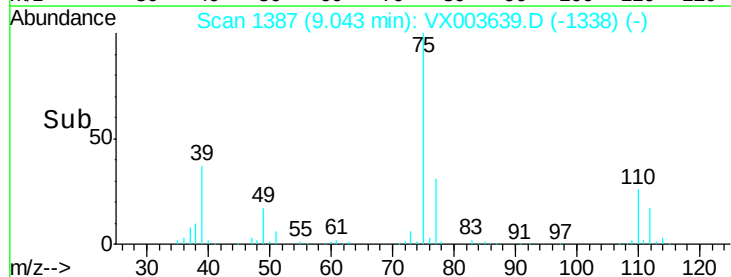
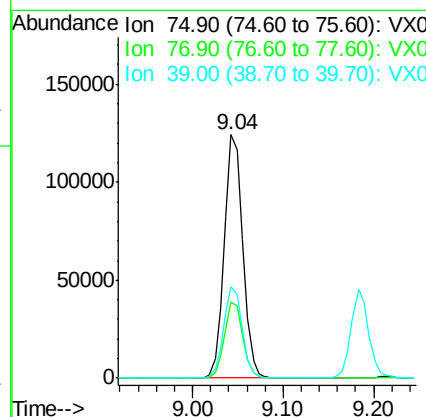
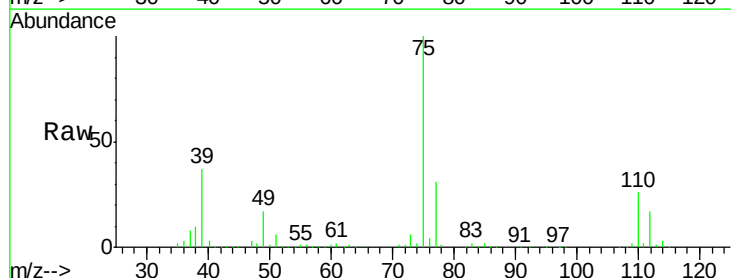
Manual Integrations
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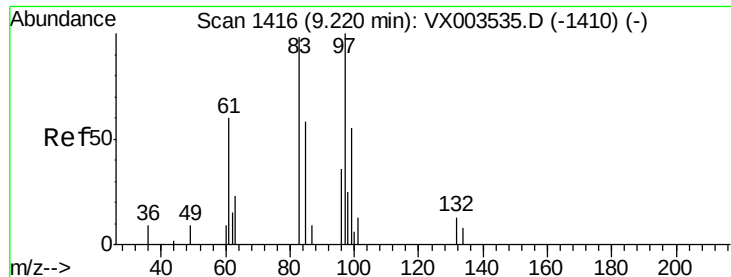
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#54
 cis-1,3-Dichloropropene
 Concen: 46.69 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2
39	37.2	42.4	63.6#





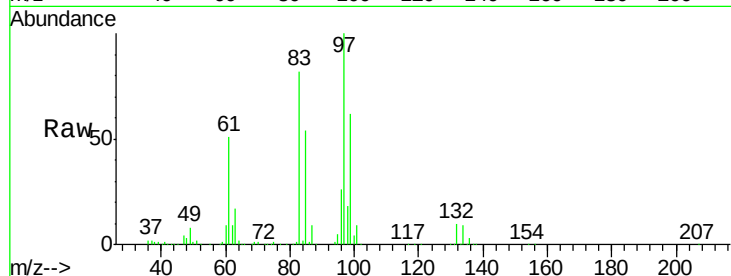
#55
1,1,2-Trichloroethane
Concen: 53.23 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	70.2	105.2
85	53.9	44.9	67.3
99	62.5	49.8	74.8

Manual Integrations
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MMDadoda
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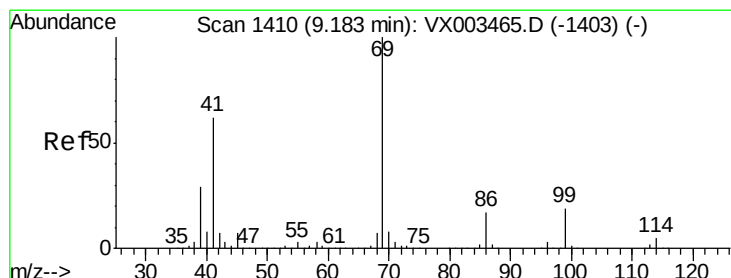
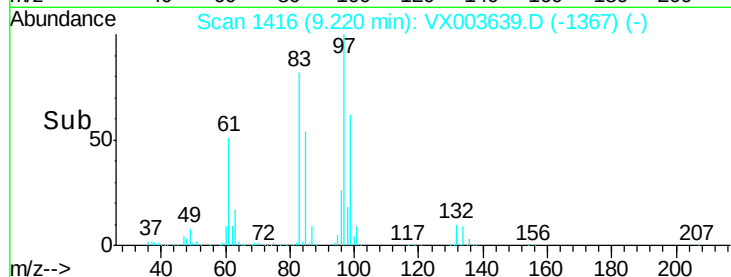
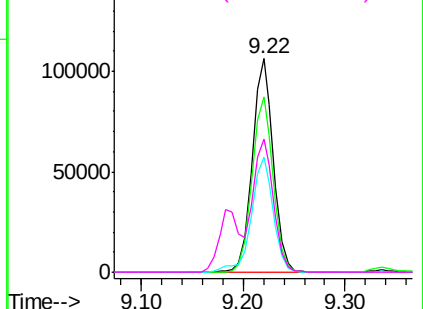
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

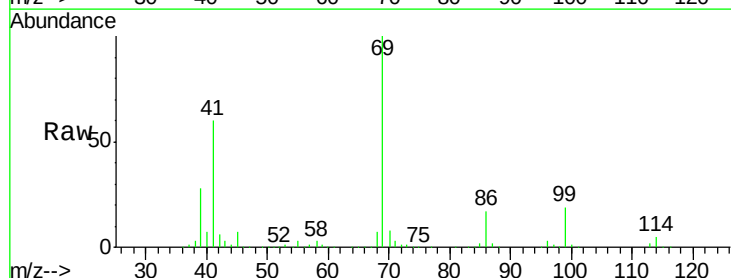
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
Ethyl methacrylate
Concen: 53.34 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.3	60.3	90.5#
39	28.4	35.8	53.8#

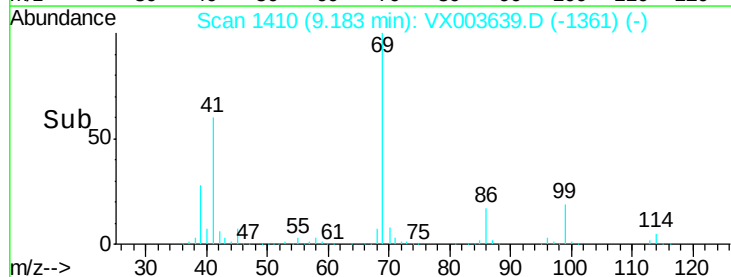
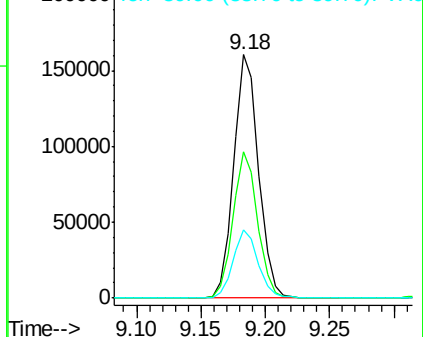


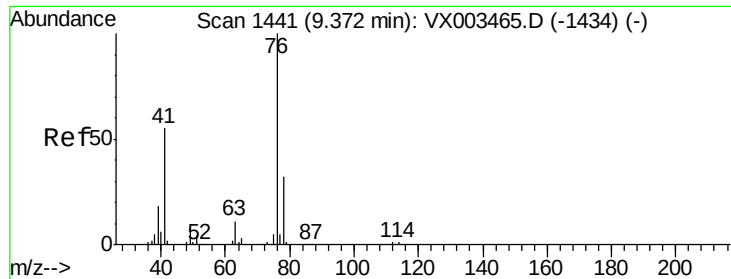
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





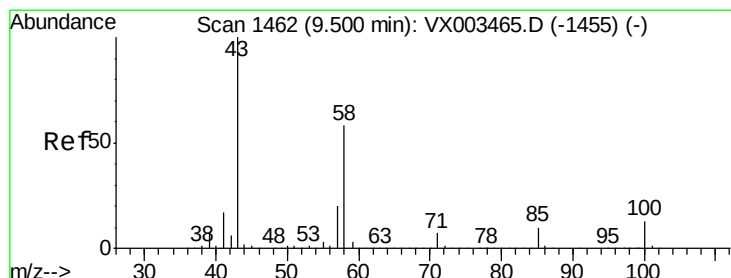
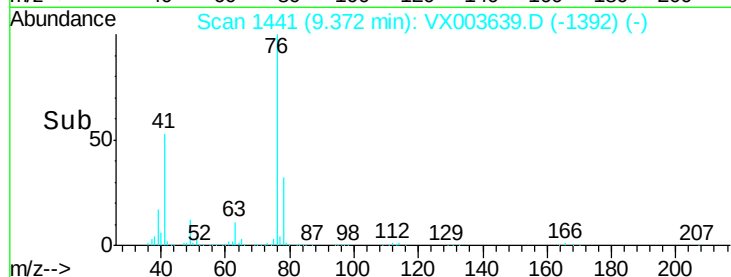
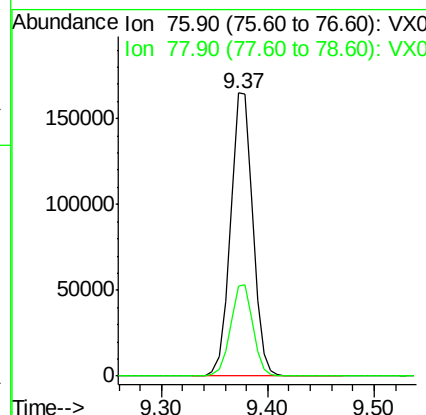
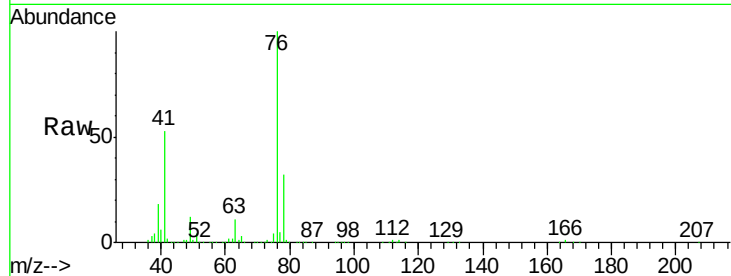
#57
 1,3-Dichloropropane
 Concen: 52.08 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion: 76 Resp: 242229
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6

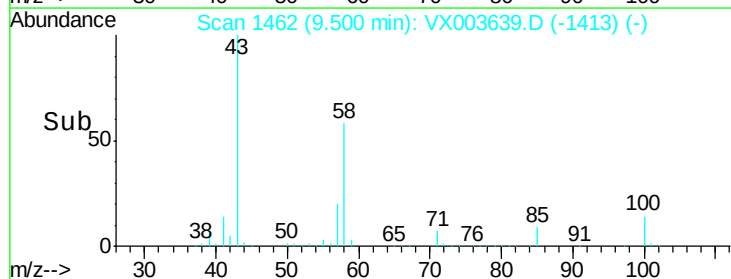
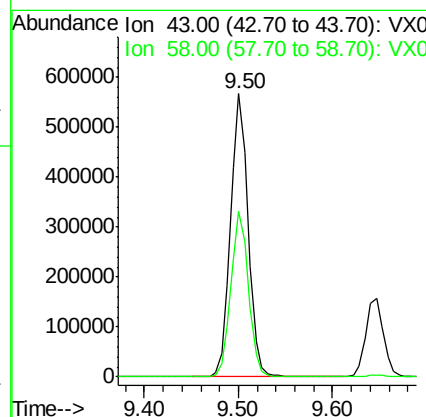
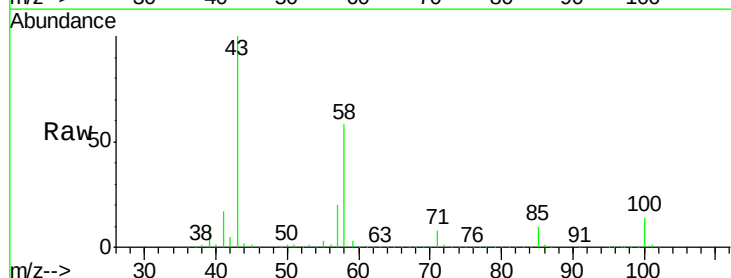
Manual Integrations
 APPROVED

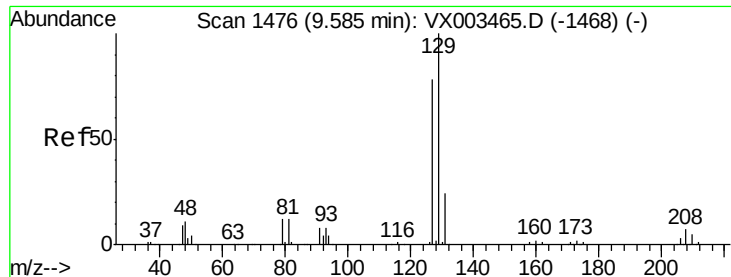
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#59
 2-Hexanone
 Concen: 274.20 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion: 43 Resp: 735058
 Ion Ratio Lower Upper
 43 100
 58 58.5 24.6 73.6





#60

Dibromochloromethane

Concen: 56.52 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion:129 Resp: 160967

Ion Ratio Lower Upper

129 100

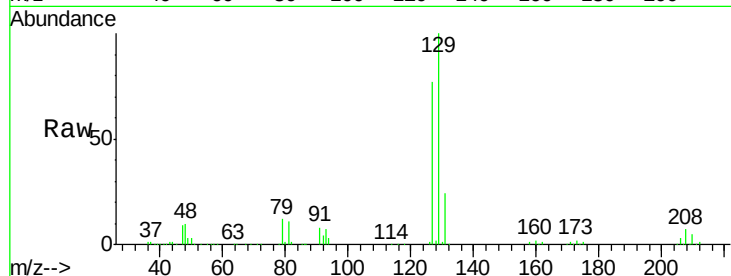
127 77.0 38.5 115.3

Manual Integrations

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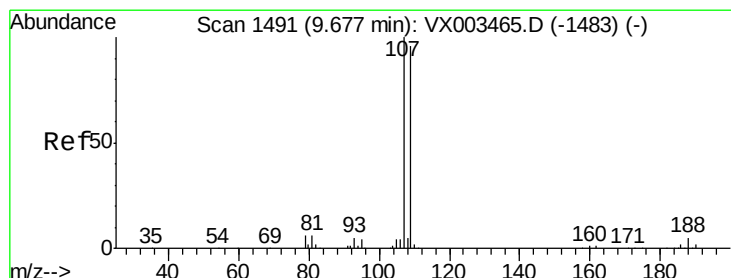
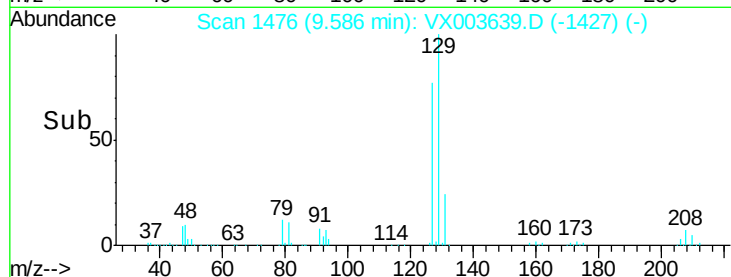
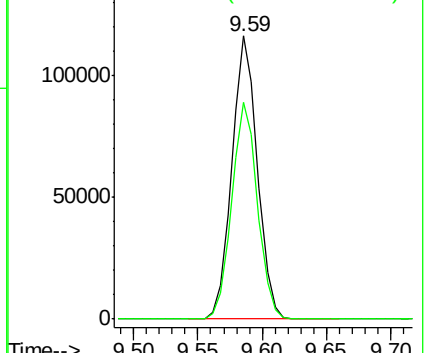
MMDadoda

7/24/2018 3:55:10 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.40 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003639.D

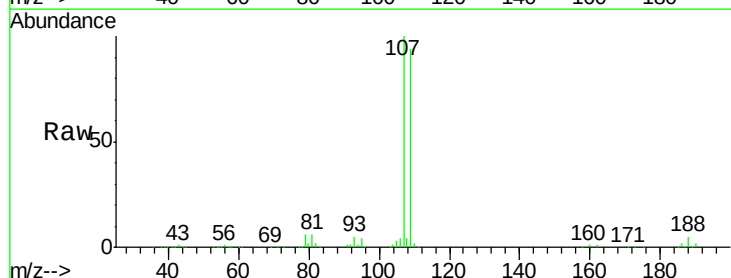
Acq: 24 Jul 2018 08:02

Tgt Ion:107 Resp: 159267

Ion Ratio Lower Upper

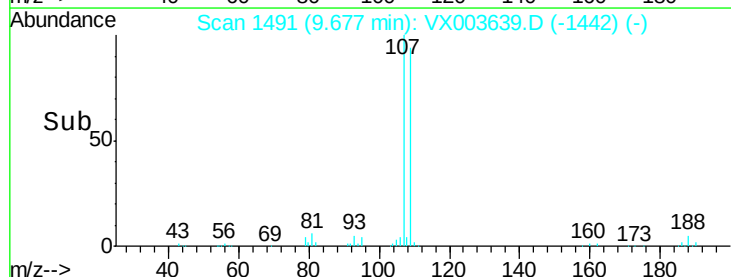
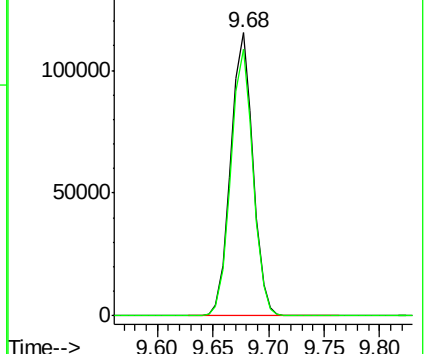
107 100

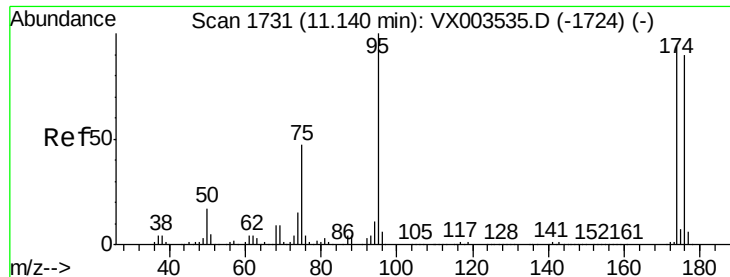
109 94.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





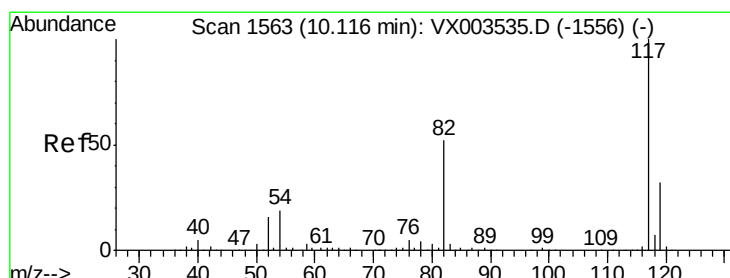
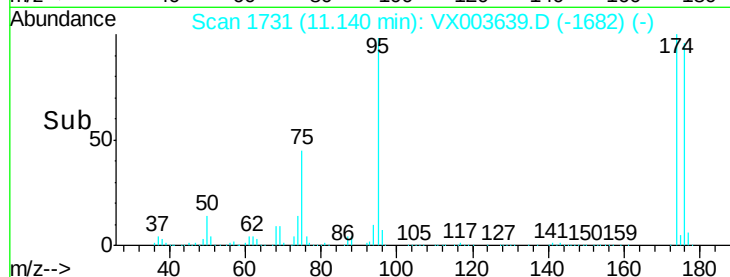
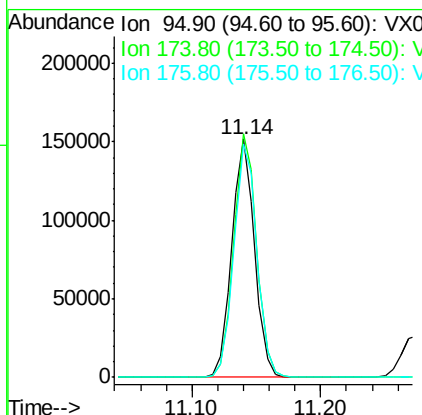
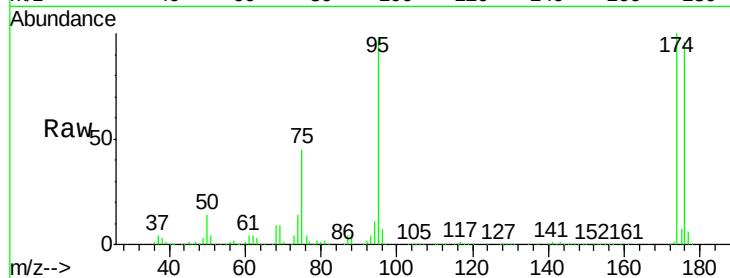
#62
4-Bromofluorobenzene
Concen: 50.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	186790		
174	103.1	0.0	187.4	
176	99.3	0.0	181.0	

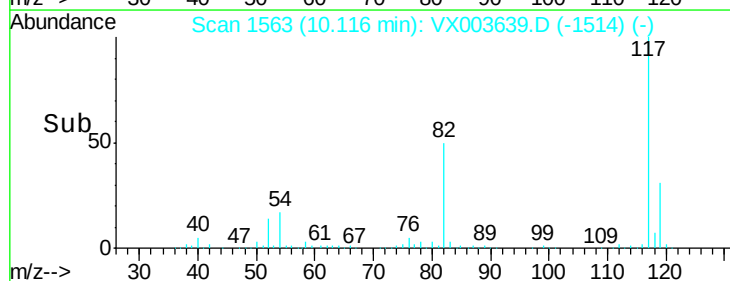
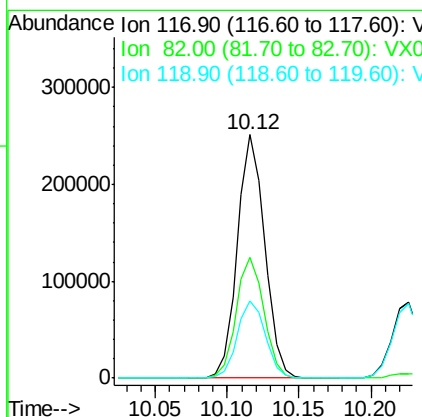
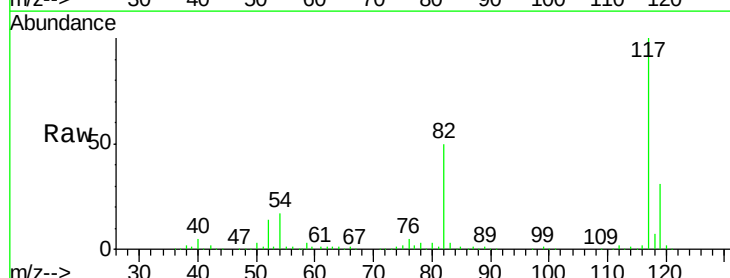
Manual Integrations
APPROVED

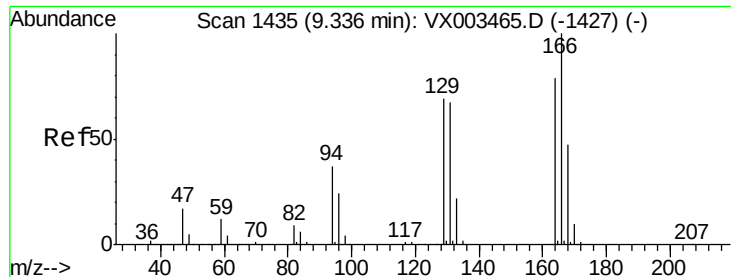
MMDadoda
7/24/2018 3:55:10 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	332293		
82	49.8	45.0	67.4	
119	31.5	25.8	38.6	





#64

Tetrachloroethene

Concen: 49.41 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion:164 Resp: 200049

Ion Ratio Lower Upper

164 100

166 129.6 102.9 154.3

129 82.7 68.6 102.8

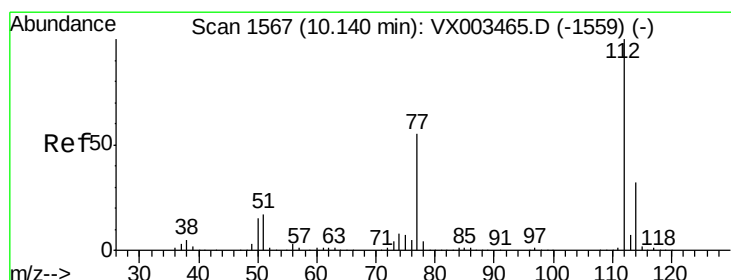
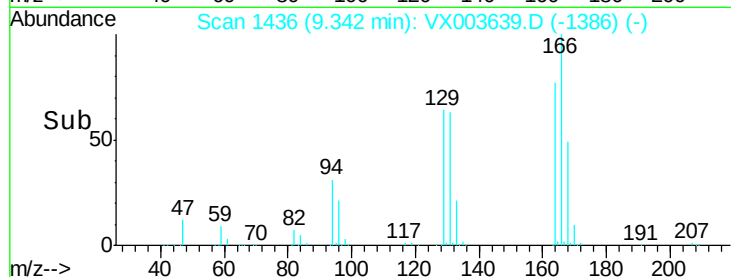
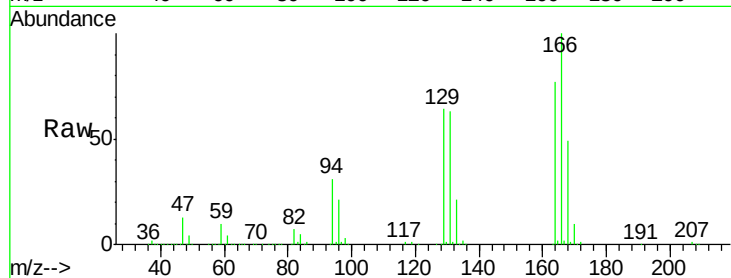
131 82.3 66.8 100.2

Manual Integrations

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#65

Chlorobenzene

Concen: 50.45 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003639.D

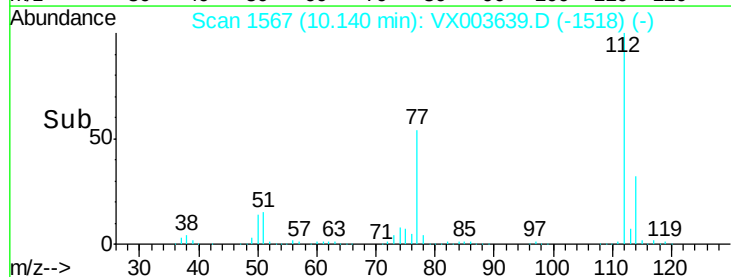
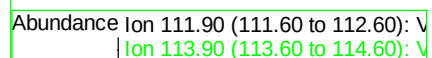
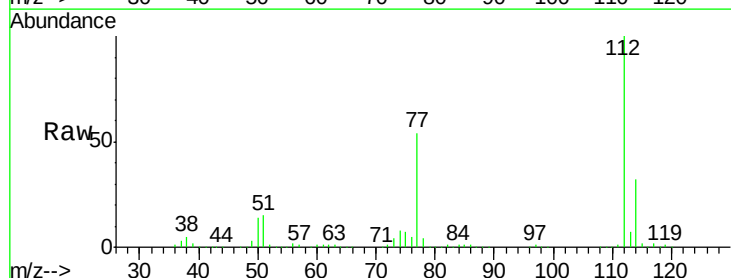
Acq: 24 Jul 2018 08:02

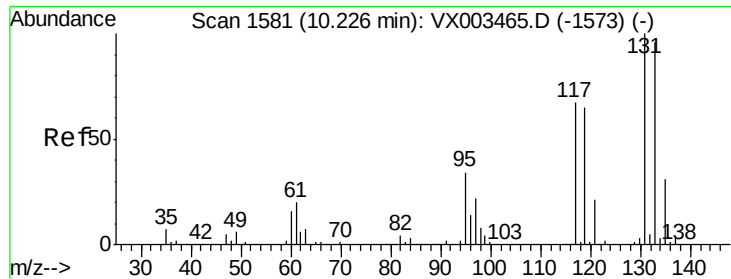
Tgt Ion:112 Resp: 431965

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 54.53 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion:131 Resp: 160642

Ion Ratio Lower Upper

131 100

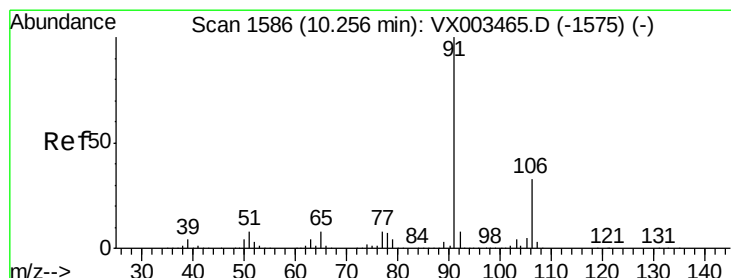
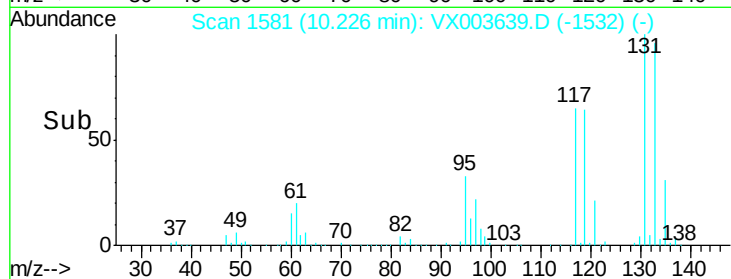
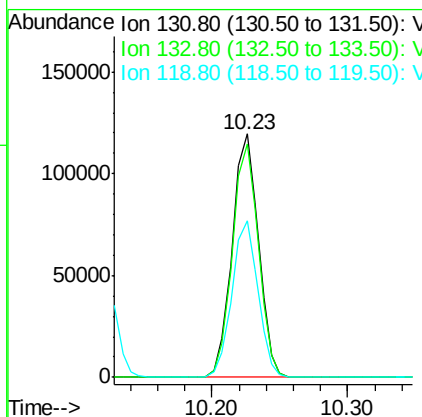
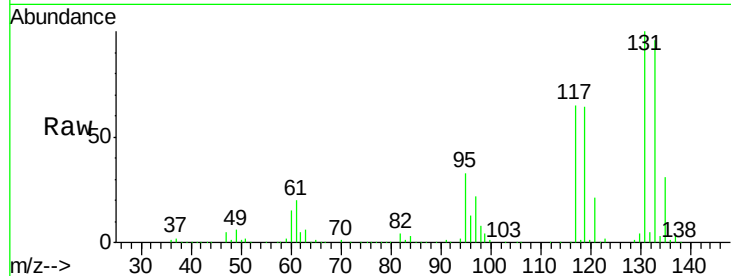
133 95.4 47.9 143.6

119 63.8 31.8 95.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.07 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003639.D

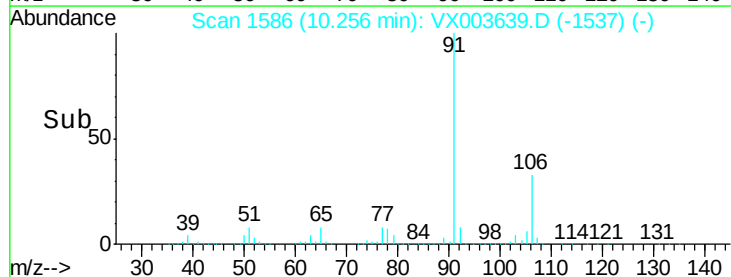
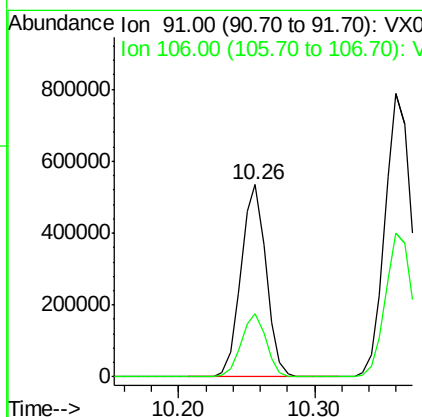
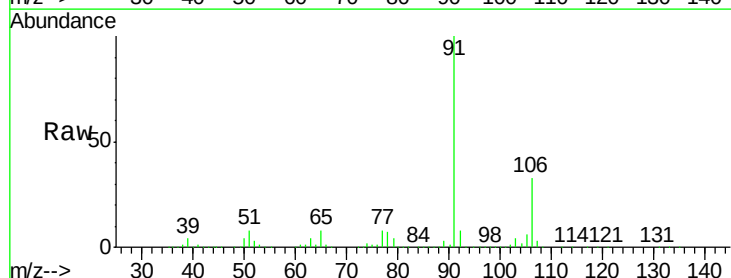
Acq: 24 Jul 2018 08:02

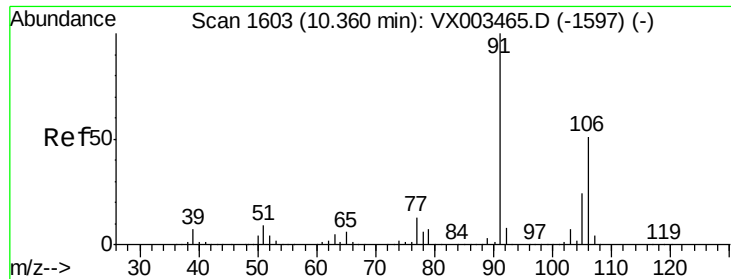
Tgt Ion: 91 Resp: 689230

Ion Ratio Lower Upper

91 100

106 33.1 25.5 38.3





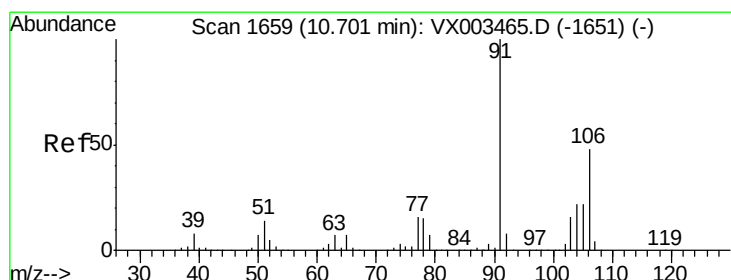
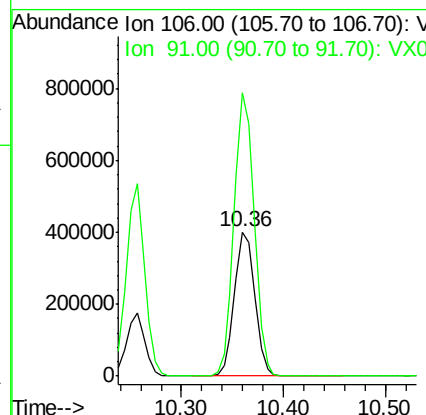
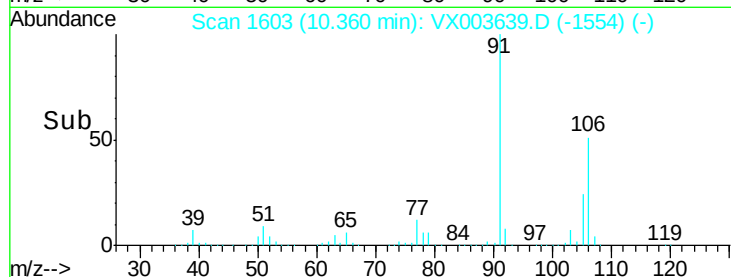
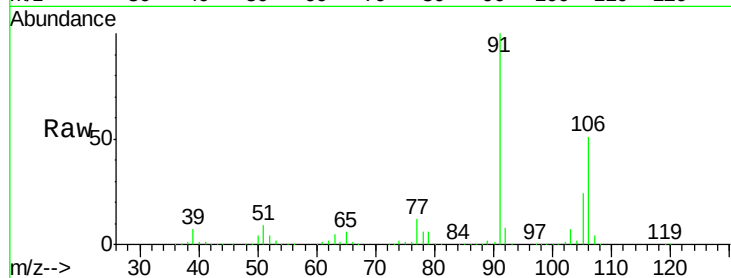
#68
m/p-Xylenes
Concen: 101.63 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion:106 Resp: 548479
Ion Ratio Lower Upper
106 100
91 195.5 163.4 245.2

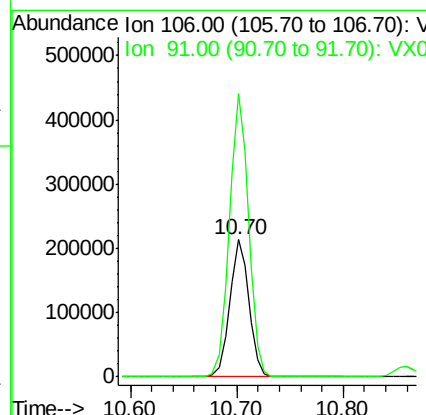
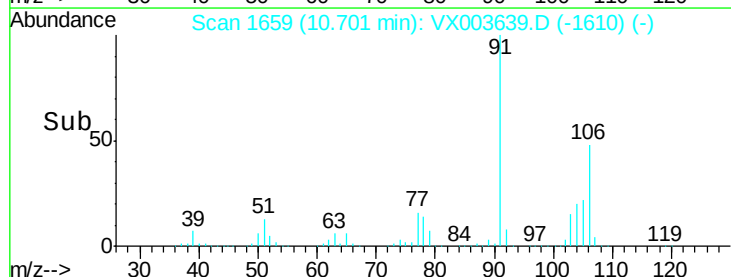
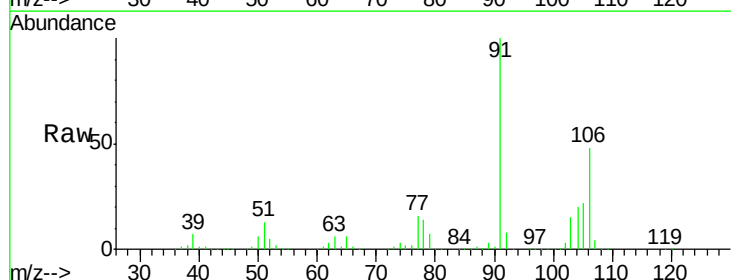
Manual Integrations
APPROVED

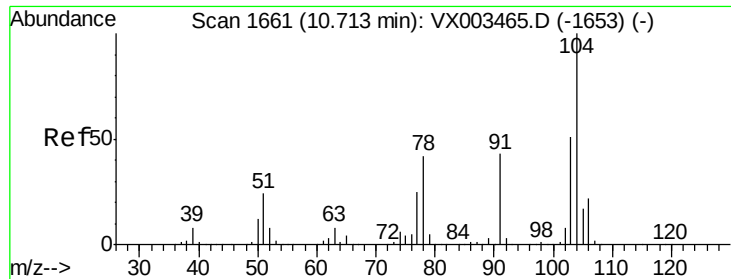
MMDadoda
7/24/2018 3:55:10 PM



#69
o-Xylene
Concen: 51.62 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion:106 Resp: 269362
Ion Ratio Lower Upper
106 100
91 206.7 108.2 324.6





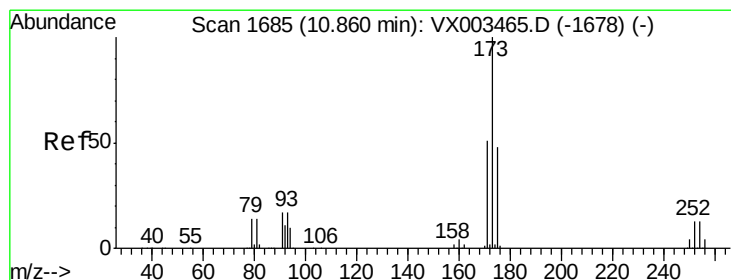
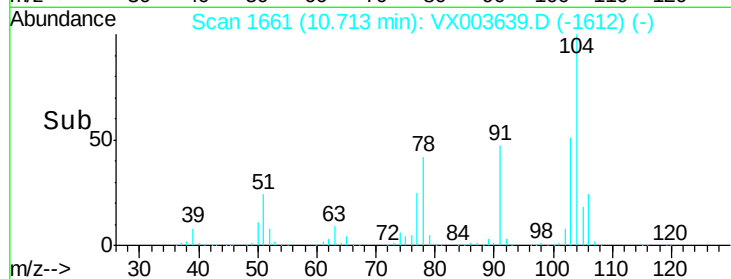
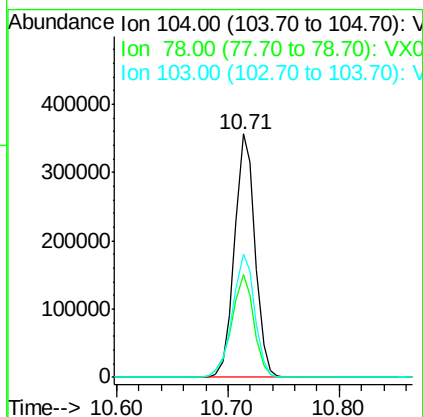
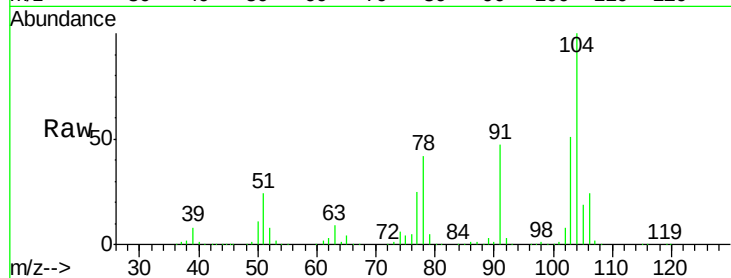
#70
Stvrene
Concen: 53.02 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.7	41.0	61.6
103	55.1	44.2	66.4

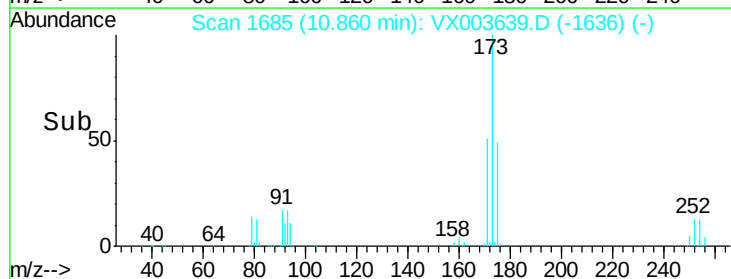
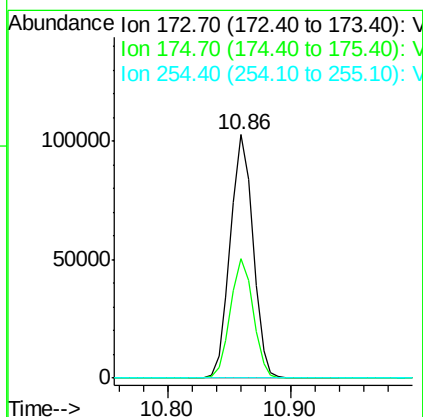
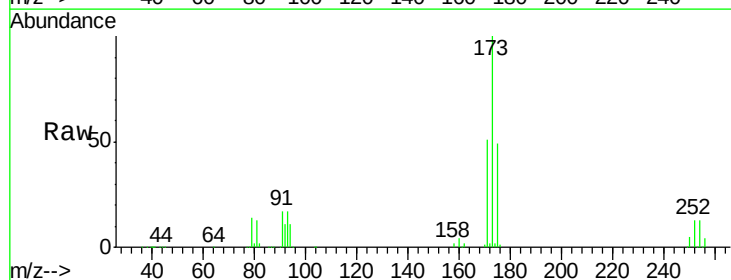
Manual Integrations
APPROVED

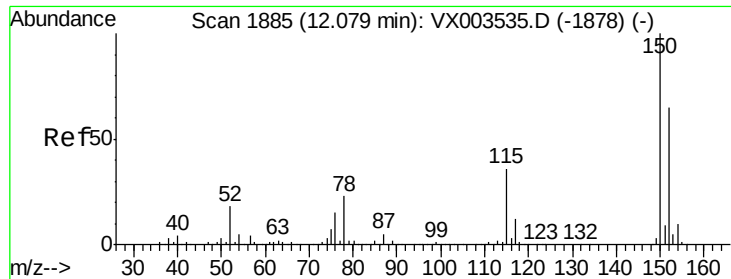
MMDadoda
7/24/2018 3:55:10 PM



#71
Bromoform
Concen: 57.65 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion:152 Resp: 206298

Ion Ratio Lower Upper

152 100

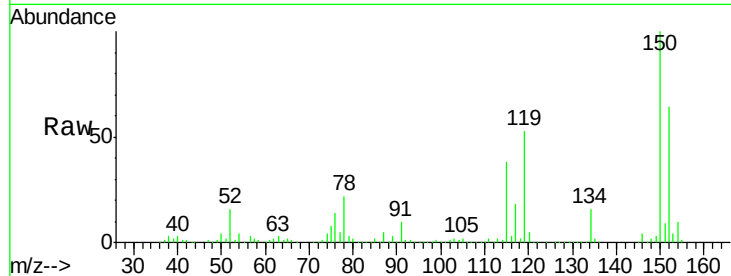
115 74.0 40.1 120.2

150 173.5 0.0 347.2

Manual Integrations
APPROVED

MMDadoda

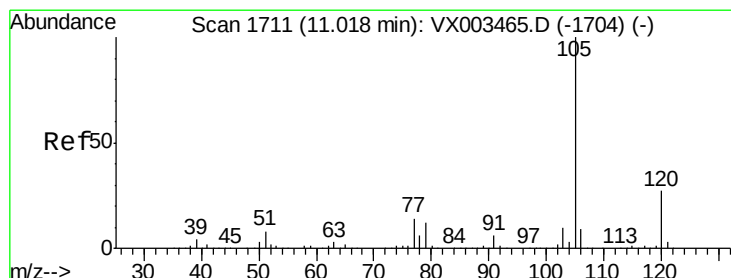
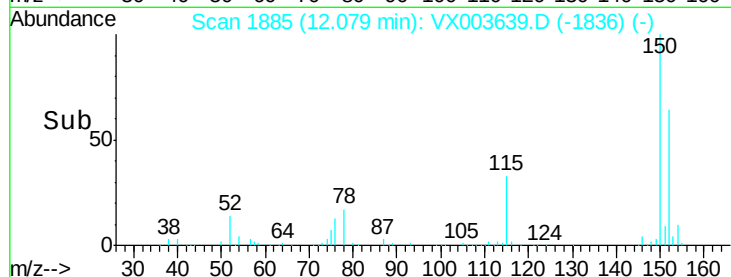
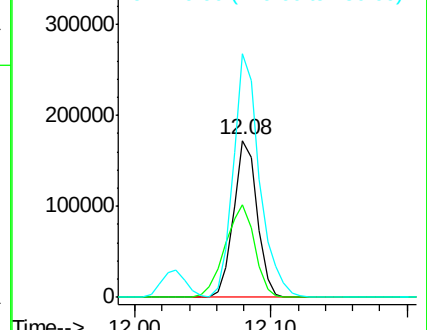
7/24/2018 3:55:10 PM



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: 49.81 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003639.D

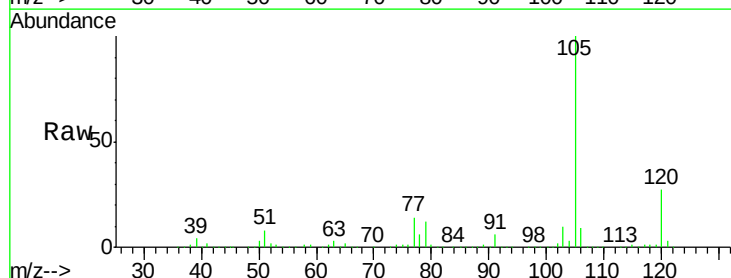
Acq: 24 Jul 2018 08:02

Tgt Ion:105 Resp: 710700

Ion Ratio Lower Upper

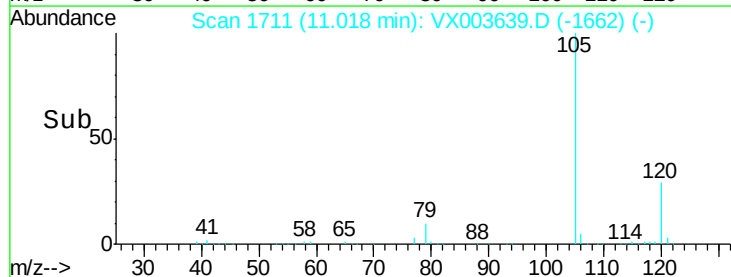
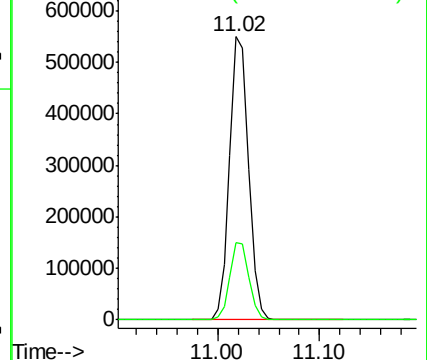
105 100

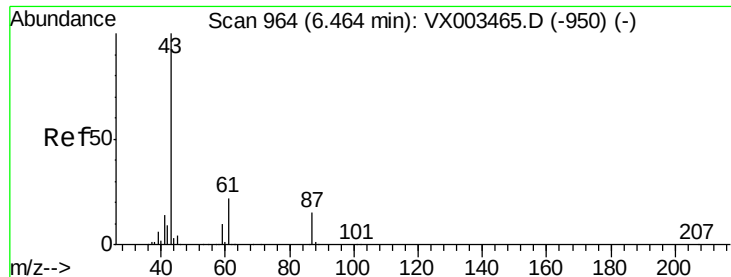
120 27.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 42.18 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

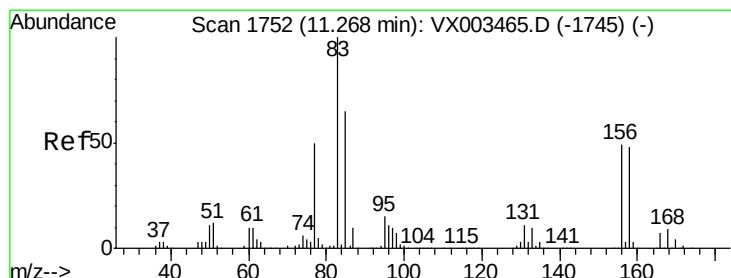
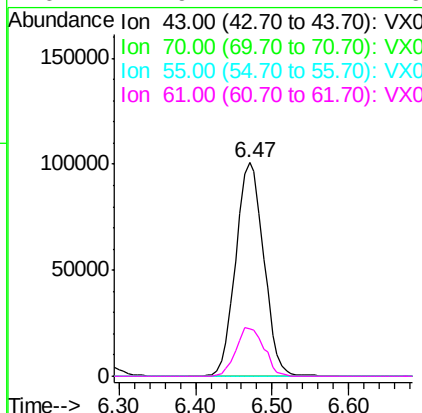
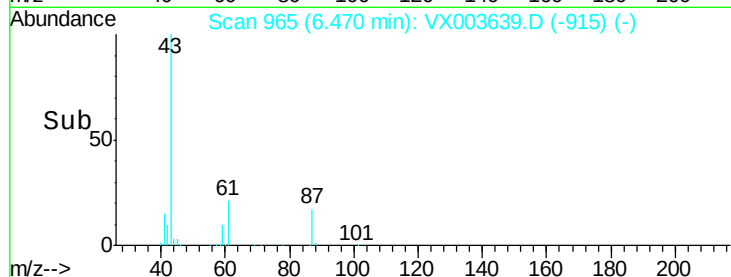
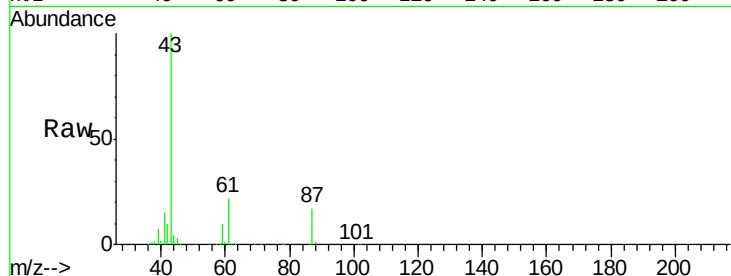
ClientSampleId :

RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	22.9	14.4	21.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.06 ug/l

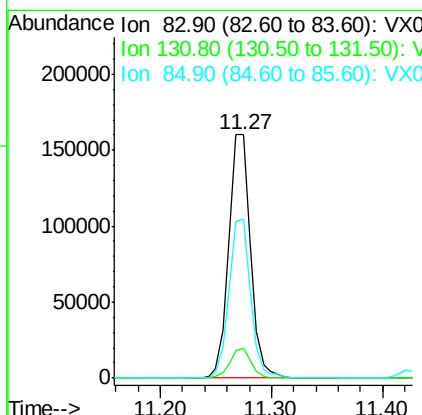
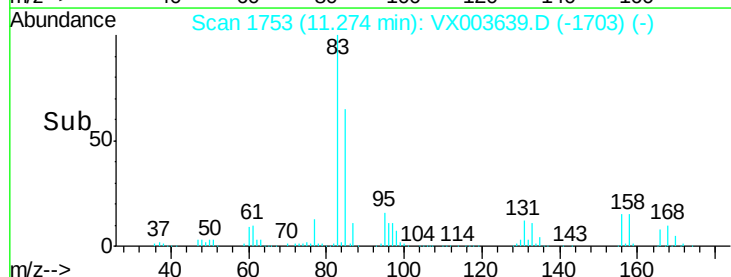
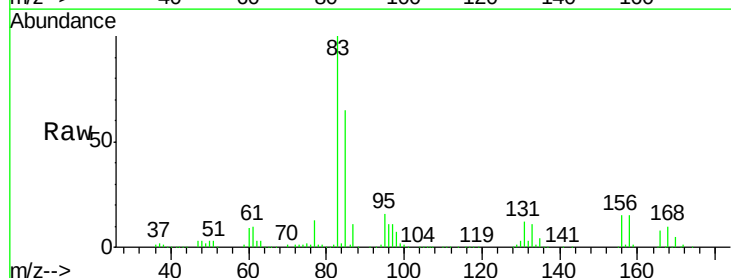
RT: 11.27 min Scan# 1753

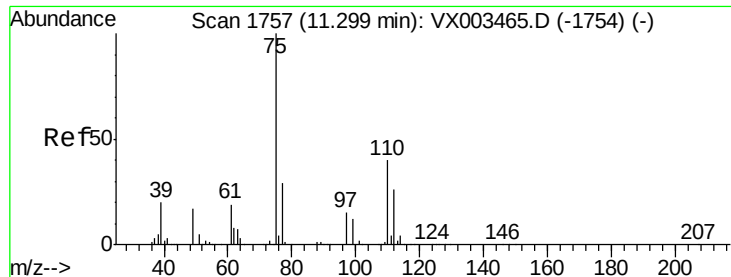
Delta R.T. 0.01 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.6	16.8
85	64.8	32.4	97.2





#76

1,2,3-Trichloropropane

Concen: 50.72 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 75 Resp: 187986

Ion Ratio Lower Upper

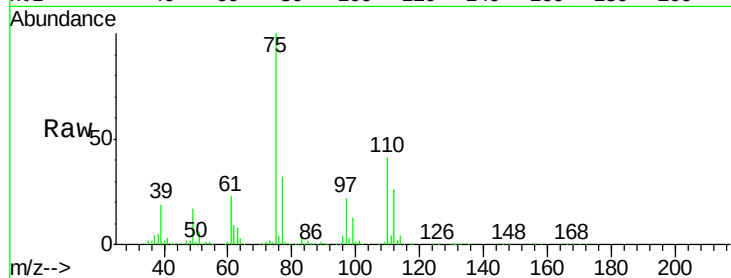
75 100

77 39.3 22.8 68.3

Manual Integrations
APPROVED

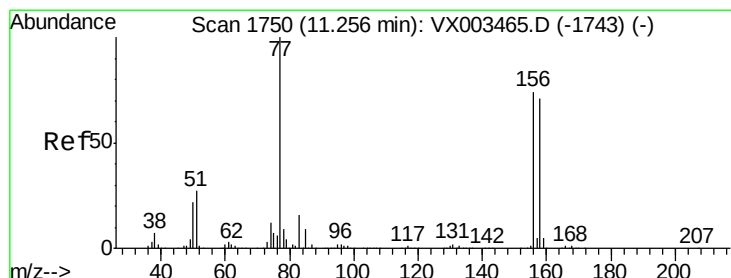
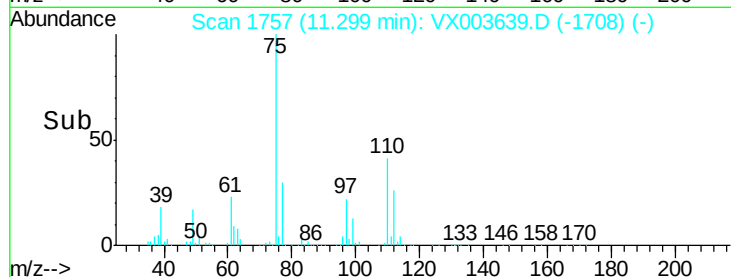
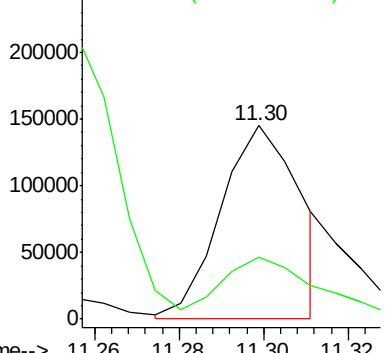
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 50.42 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

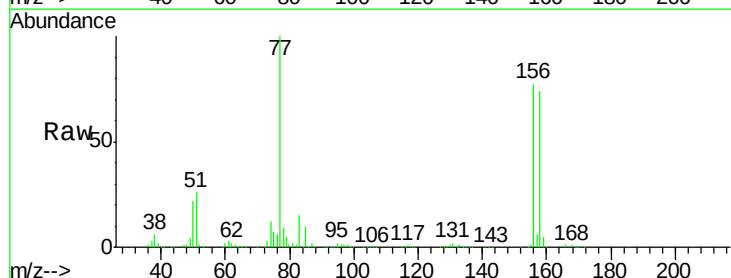
Tgt Ion: 156 Resp: 206910

Ion Ratio Lower Upper

156 100

77 127.8 71.4 214.2

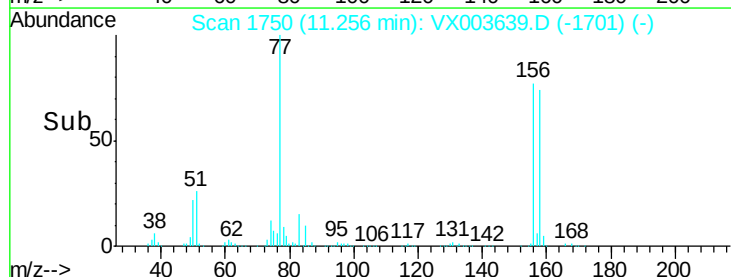
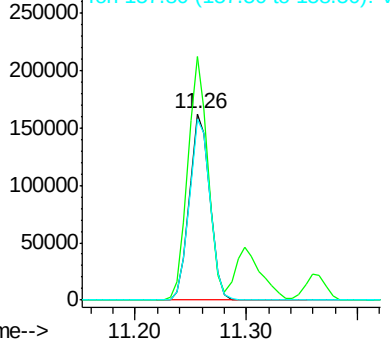
158 98.0 48.9 146.6

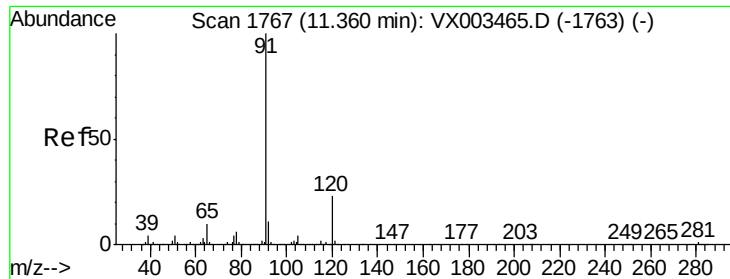


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 48.80 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion: 91 Resp: 773976

Ion Ratio Lower Upper

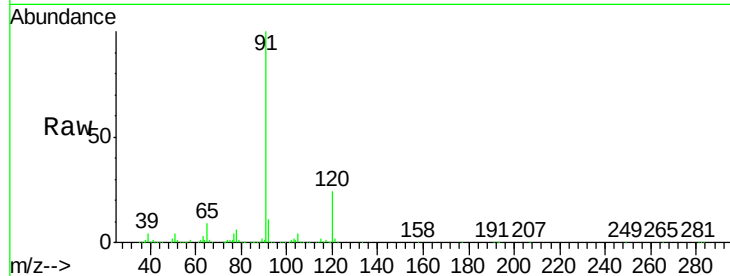
91 100

120 24.9 11.8 35.4

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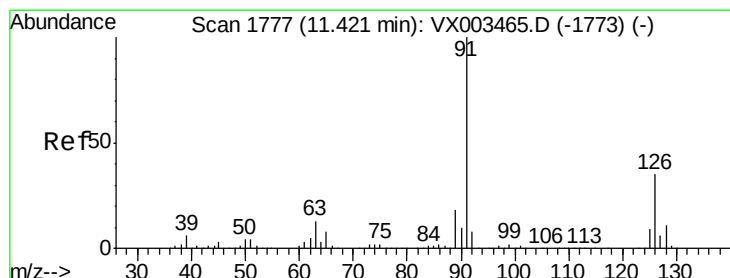
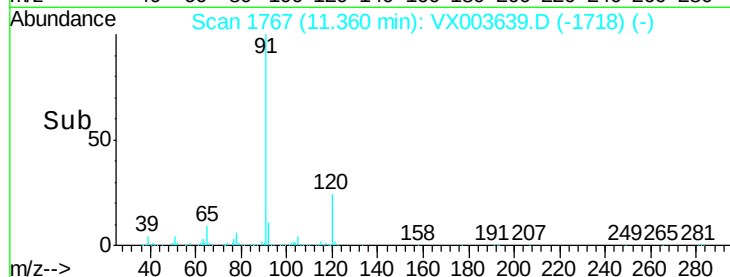
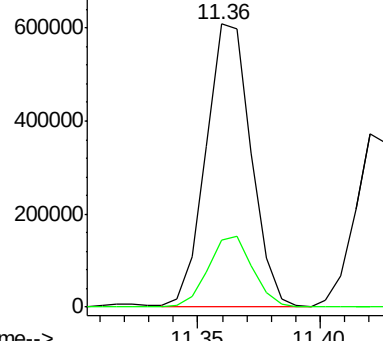
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.99 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003639.D

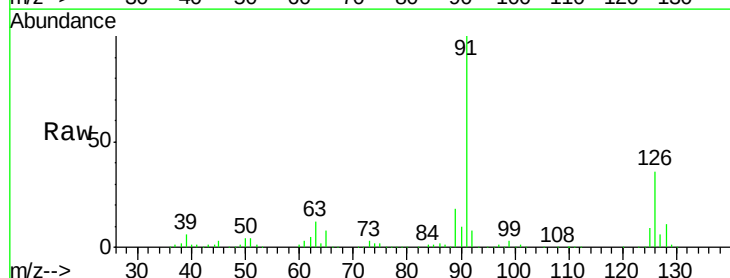
Acq: 24 Jul 2018 08:02

Tgt Ion: 91 Resp: 471633

Ion Ratio Lower Upper

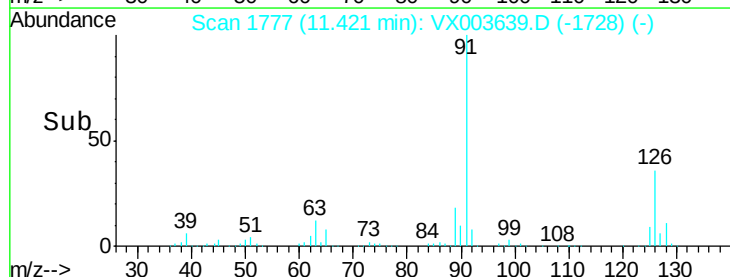
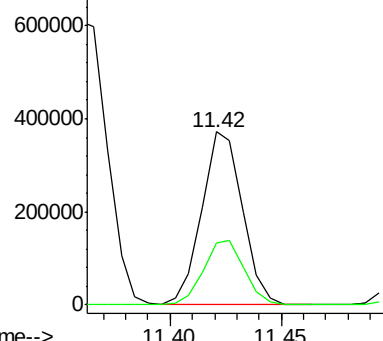
91 100

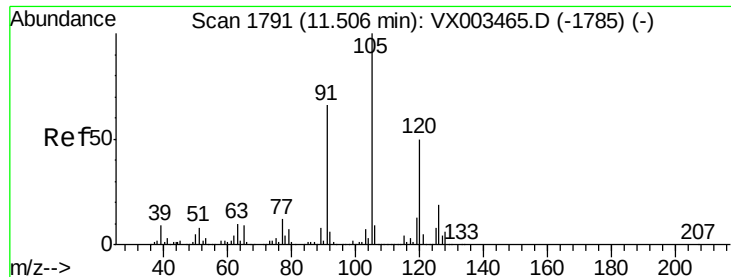
126 37.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





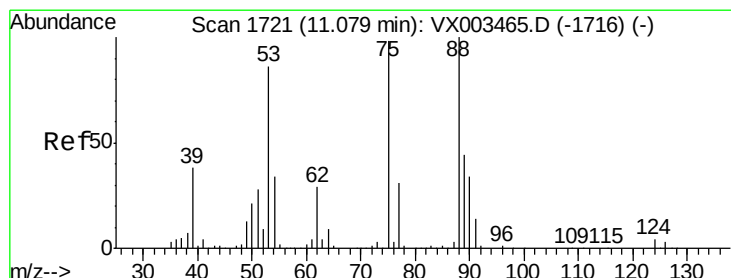
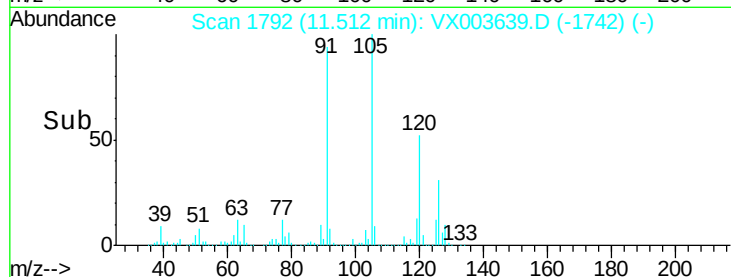
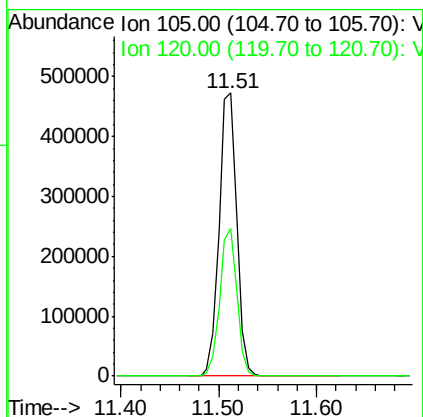
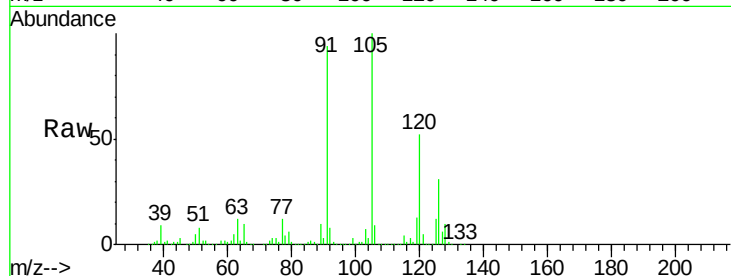
#80
 1,3,5-Trimethylbenzene
 Concen: 50.33 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion:105 Resp: 590119
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.4 73.4

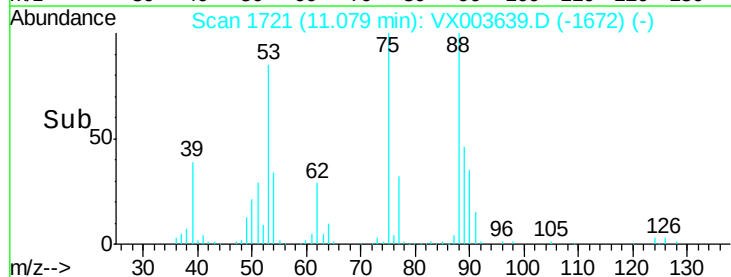
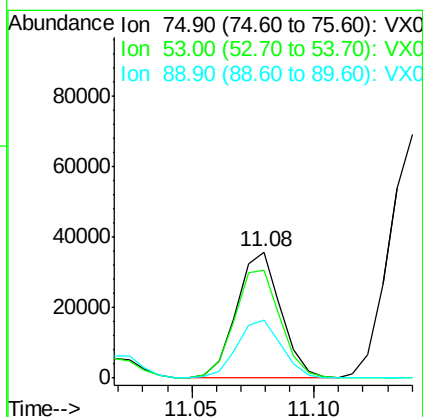
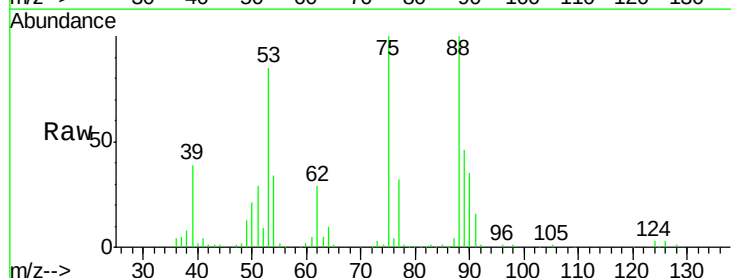
Manual Integrations
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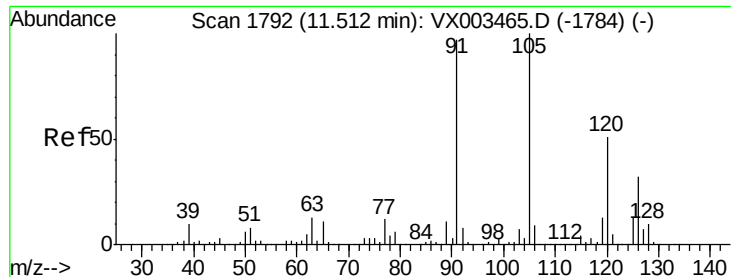
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 35.02 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion: 75 Resp: 44723
 Ion Ratio Lower Upper
 75 100
 53 89.0 86.8 130.2
 89 46.9 38.2 57.2





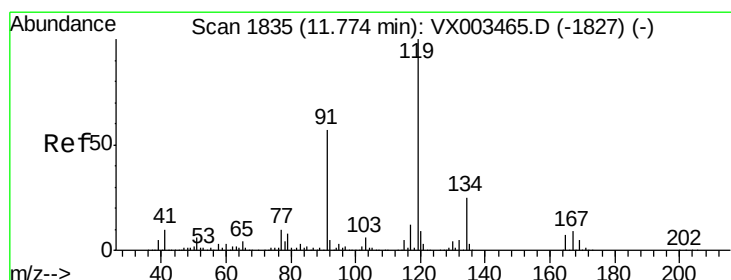
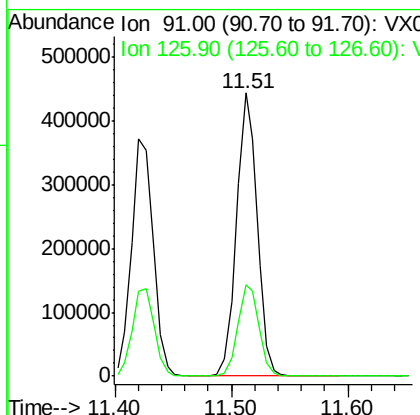
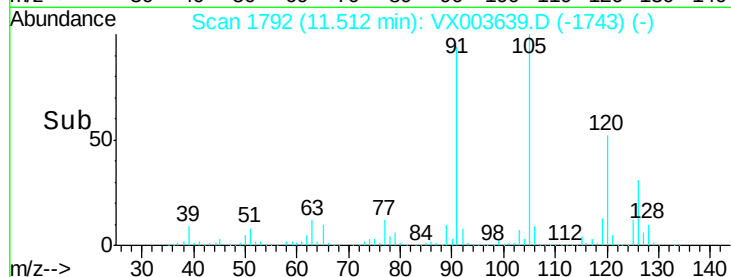
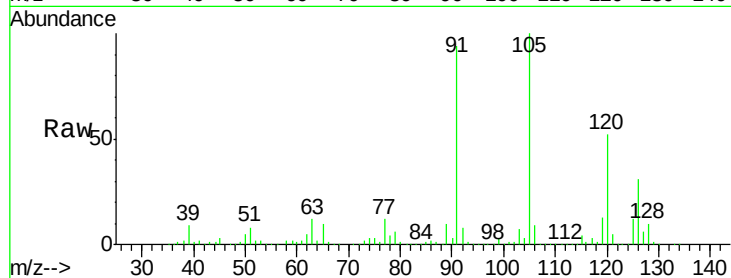
#82
4-Chlorotoluene
Concen: 48.61 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion: 91 Resp: 548421
Ion Ratio Lower Upper
91 100
126 33.1 15.4 46.4

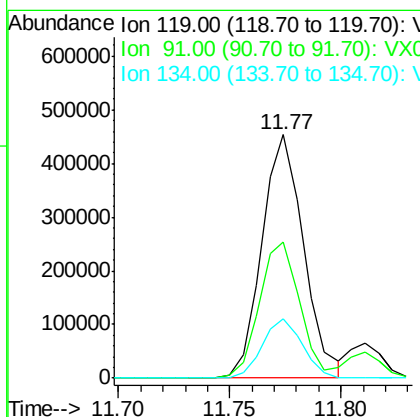
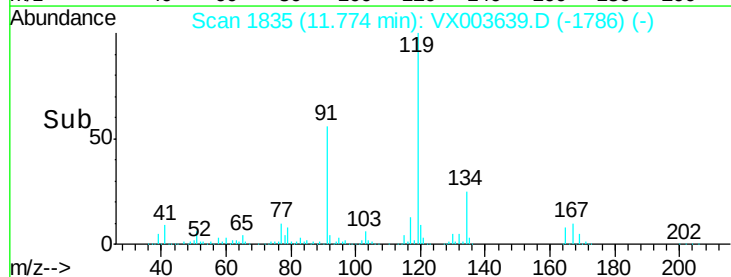
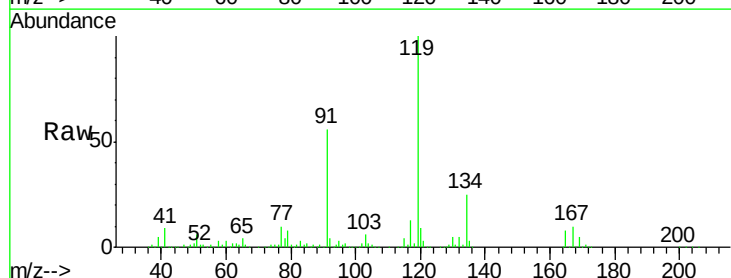
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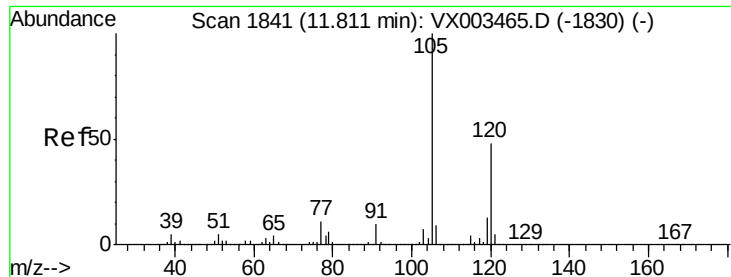
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#83
tert-Butylbenzene
Concen: 51.40 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion: 119 Resp: 590246
Ion Ratio Lower Upper
119 100
91 53.8 30.3 90.9
134 23.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 50.86 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-071818MSD

Tot Ion:105 Resp: 606855

Ion Ratio Lower Upper

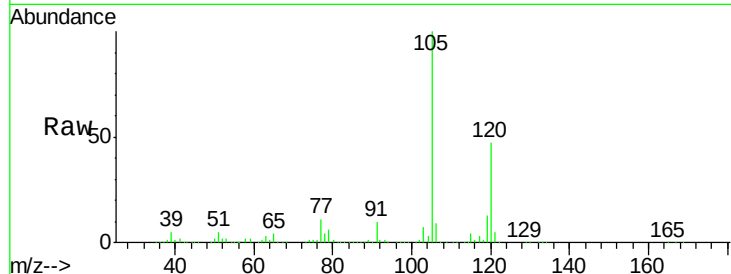
105 100

120 46.8 22.3 66.8

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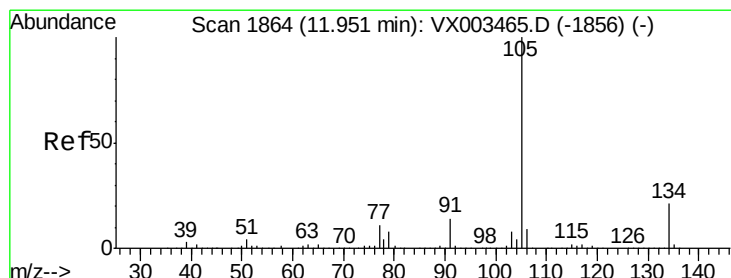
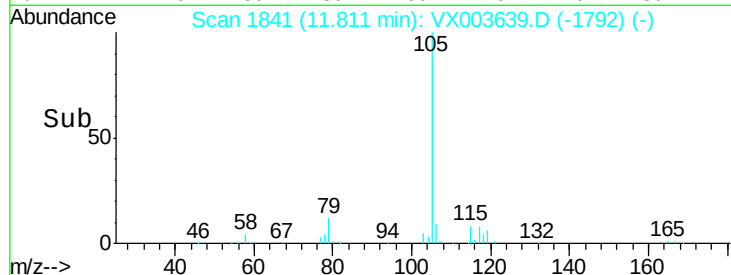
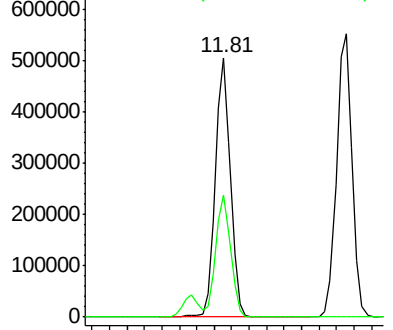
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 49.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003639.D

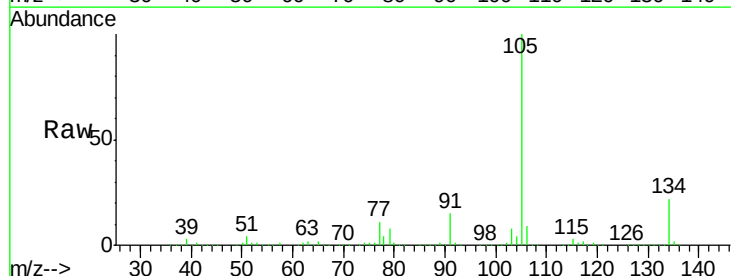
Acq: 24 Jul 2018 08:02

Tgt Ion:105 Resp: 683575

Ion Ratio Lower Upper

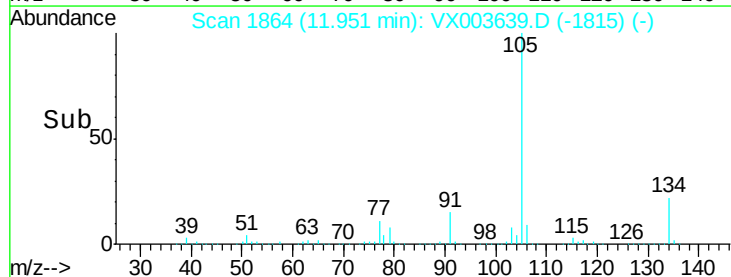
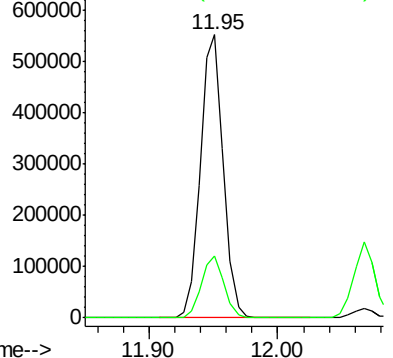
105 100

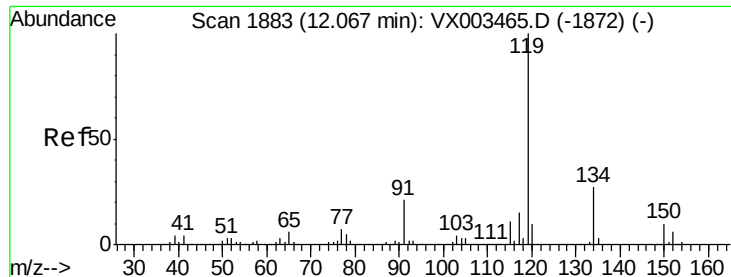
134 21.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 49.66 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

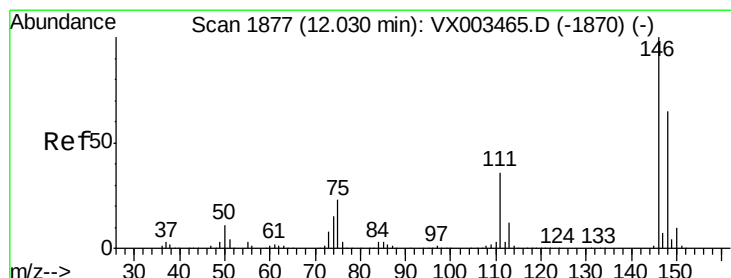
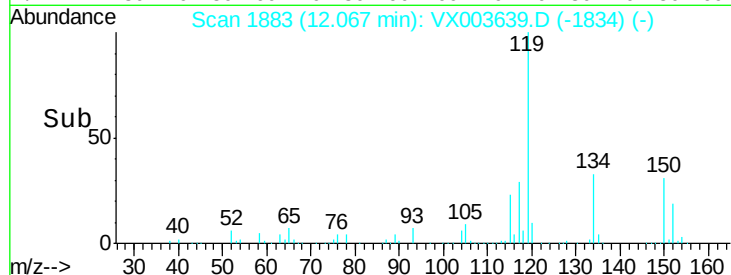
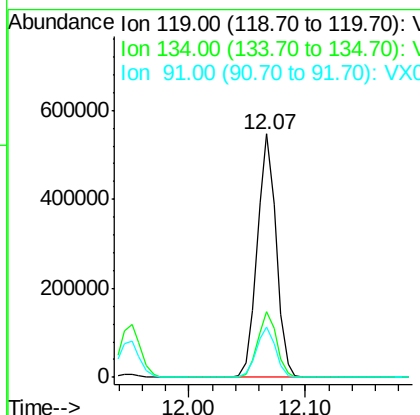
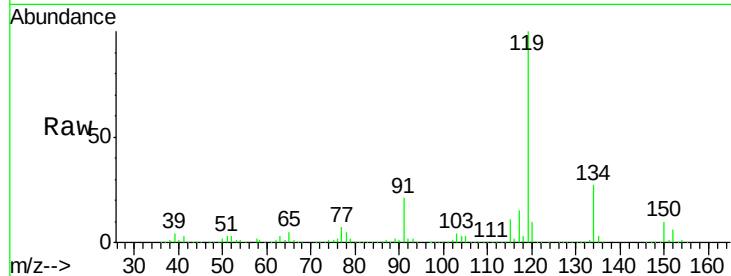
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	119	Resp:	621624
Ion Ratio	Lower	Upper	
119	100		
134	27.0	13.4	40.1
91	21.1	11.9	35.7

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#87

1,3-Dichlorobenzene

Concen: 48.63 ug/l

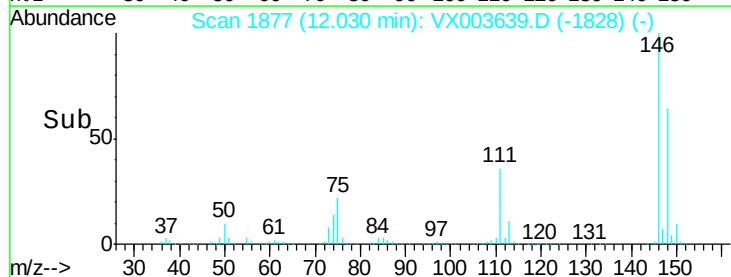
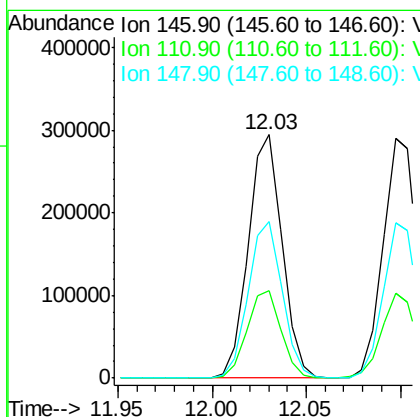
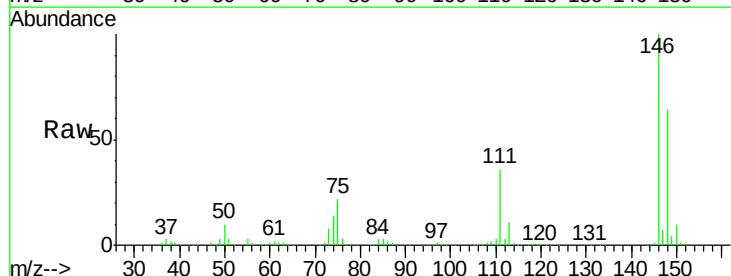
RT: 12.03 min Scan# 1877

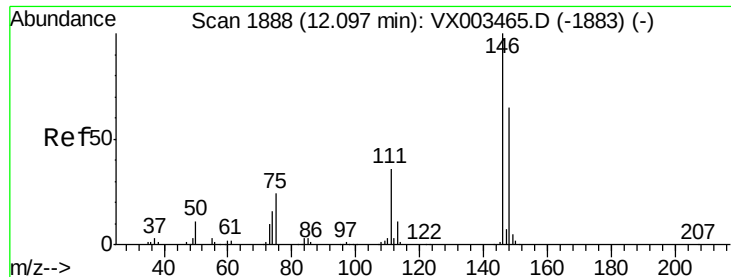
Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	146	Resp:	366830
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.9	56.7
148	64.7	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 47.60 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

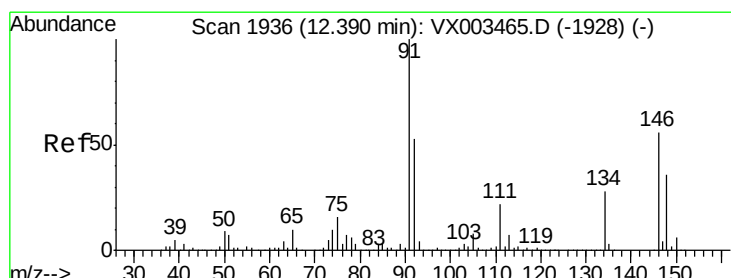
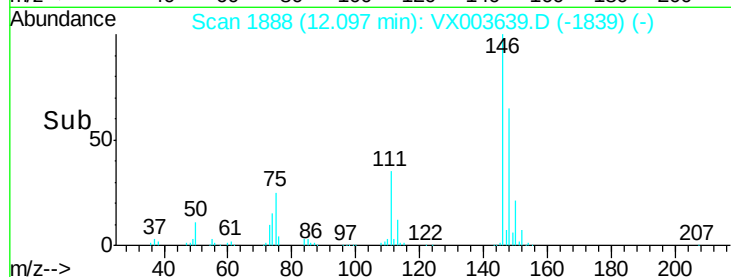
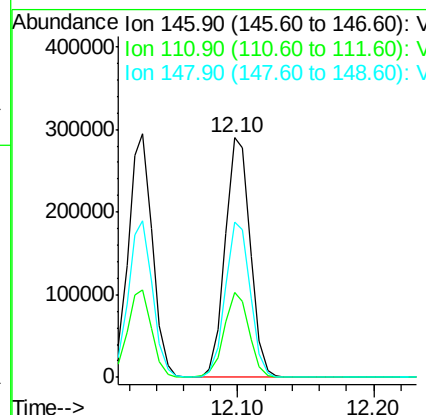
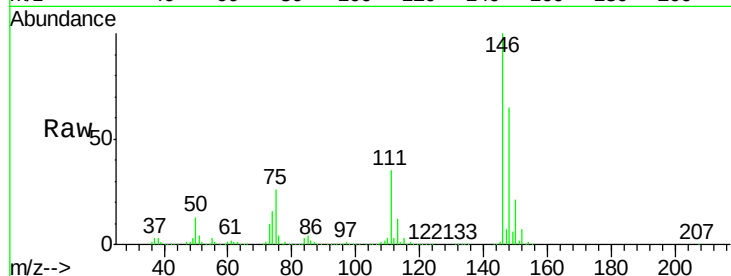
ClientSampleId :

RE123D3-071818MSD

Tot Ion:	146	Resp:	369902
Ion Ratio	Lower	Upper	
146	100		
111	35.0	18.7	56.1
148	64.6	32.4	97.0

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#89

n-Butylbenzene

Concen: 45.67 ug/l

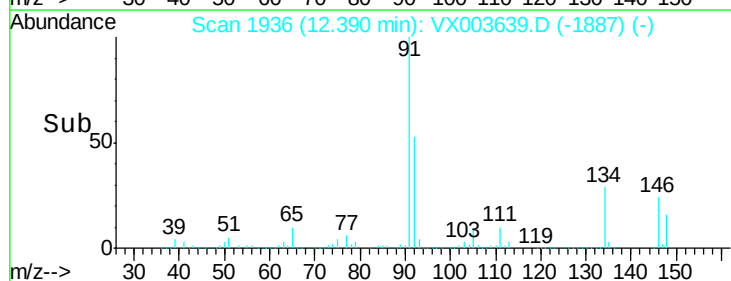
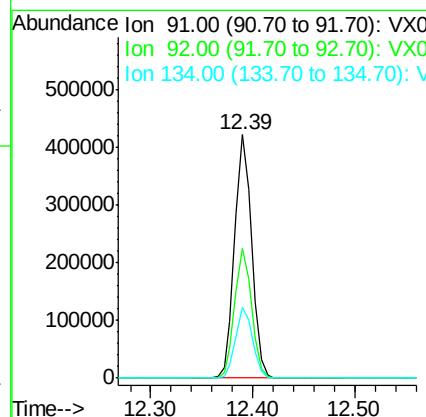
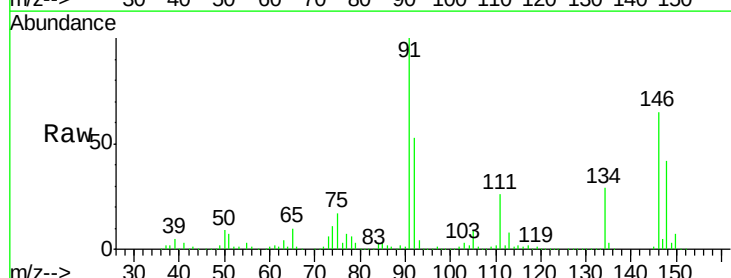
RT: 12.39 min Scan# 1936

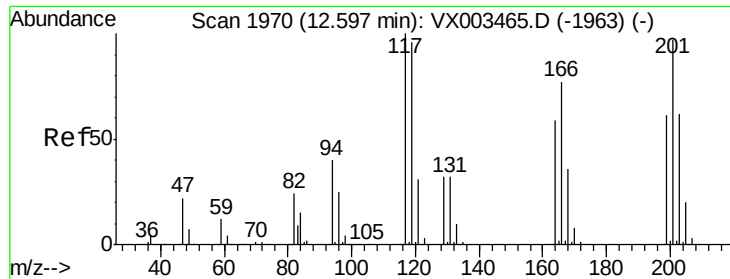
Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	91	Resp:	485458
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.0	78.0
134	28.8	13.5	40.5





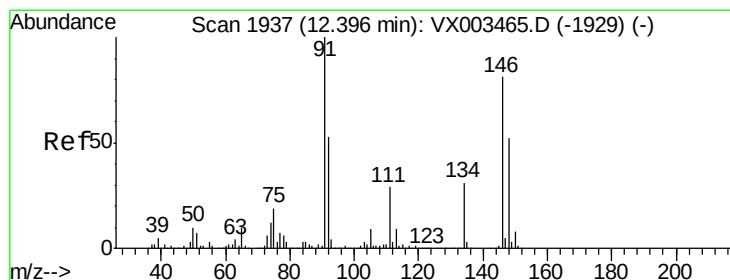
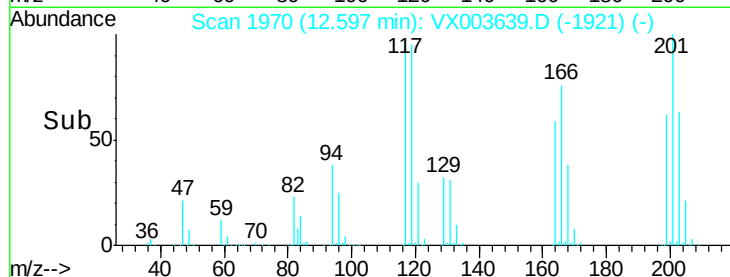
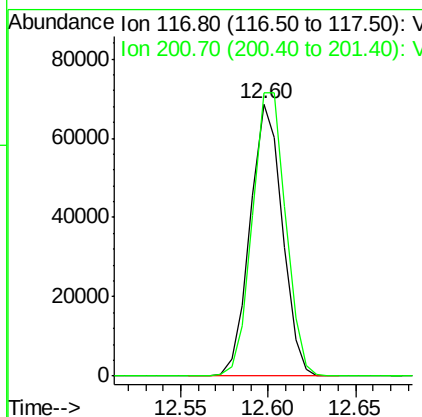
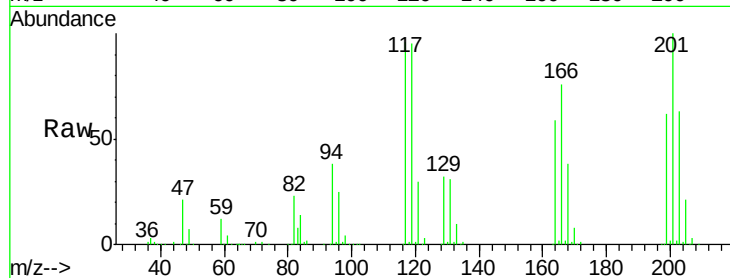
#90
Hexachloroethane
Concen: 49.46 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
RE123D3-071818MSD

Tot Ion:117 Resp: 88011
Ion Ratio Lower Upper
117 100
201 107.8 49.0 147.0

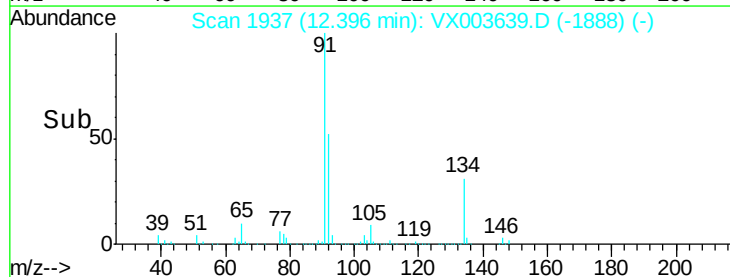
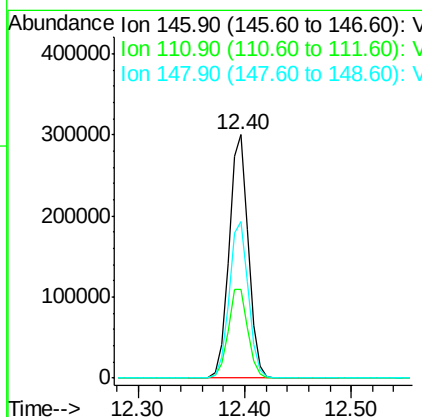
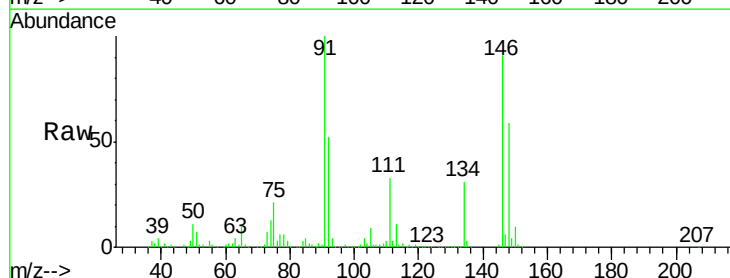
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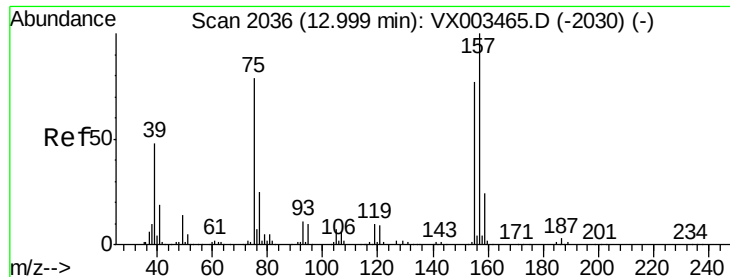
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#91
1,2-Dichlorobenzene
Concen: 50.73 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003639.D
Acq: 24 Jul 2018 08:02

Tgt Ion:146 Resp: 377181
Ion Ratio Lower Upper
146 100
111 37.5 19.4 58.1
148 64.3 31.7 95.1





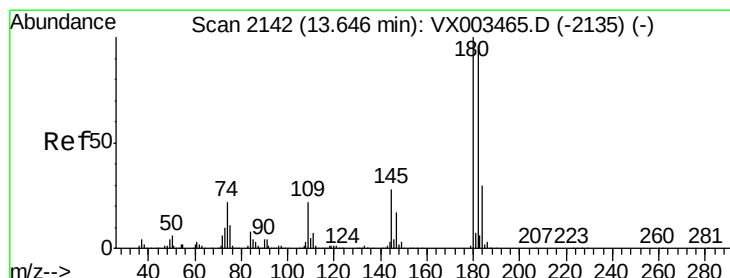
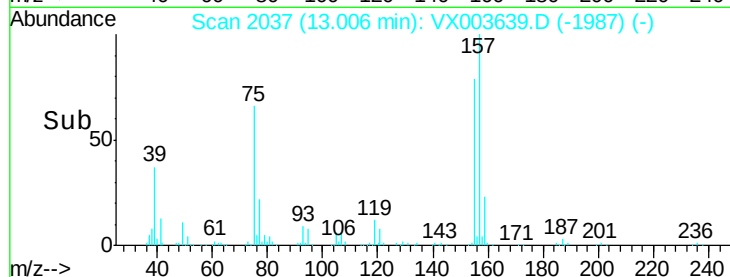
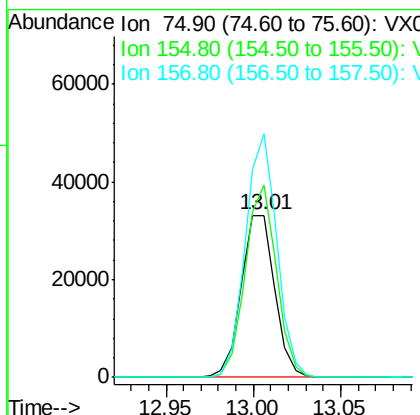
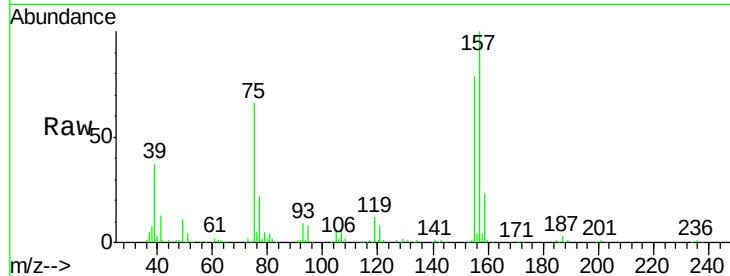
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.24 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	110.6	45.8	137.4
157	141.3	60.1	180.3

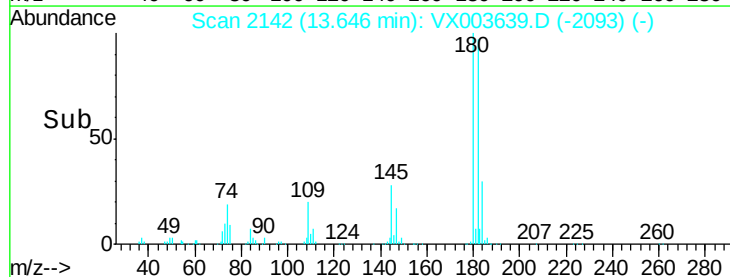
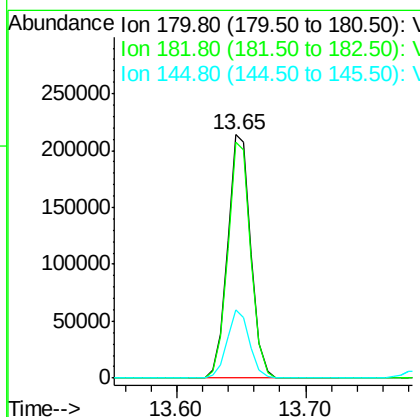
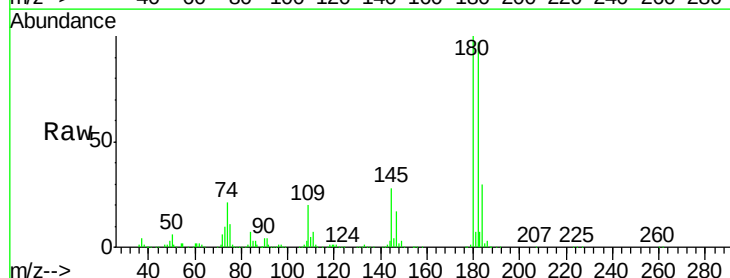
Manual Integrations
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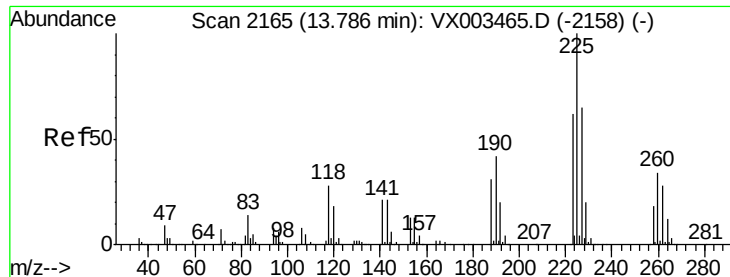
MMDadoda
 7/24/2018 3:55:10 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.25 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.7	143.1
145	27.1	14.1	42.4





#94

Hexachlorobutadiene

Concen: 47.39 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Instrument :

MSVOA_X

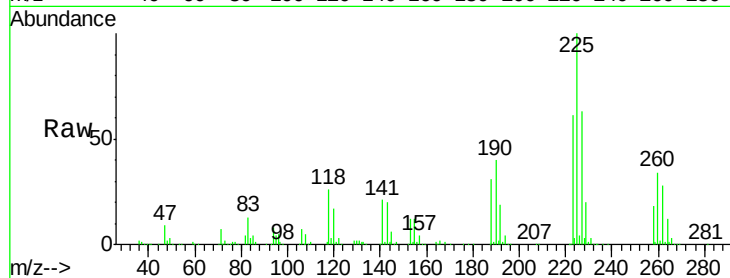
ClientSampleId :

RE123D3-071818MSD

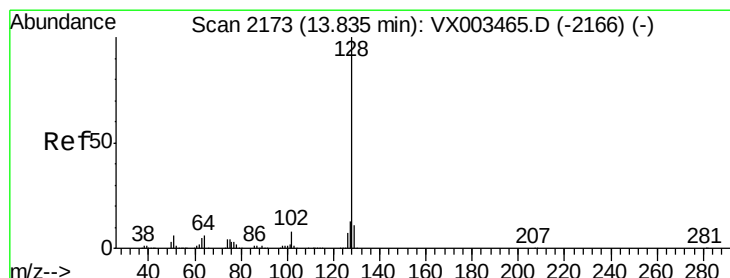
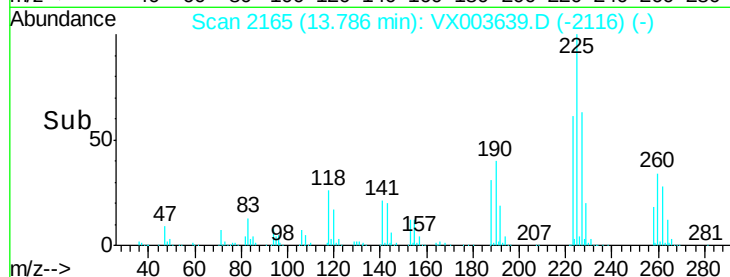
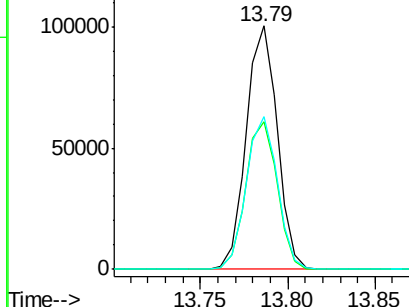
Tot Ion:	225	Resp:	124184
Ion Ratio		Lower	Upper
225	100		
223	61.8	31.6	95.0
227	63.1	32.4	97.2

Manual Integrations
APPROVED

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7/24/2018 3:55:10 PM



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: 54.86 ug/l

RT: 13.83 min Scan# 2173

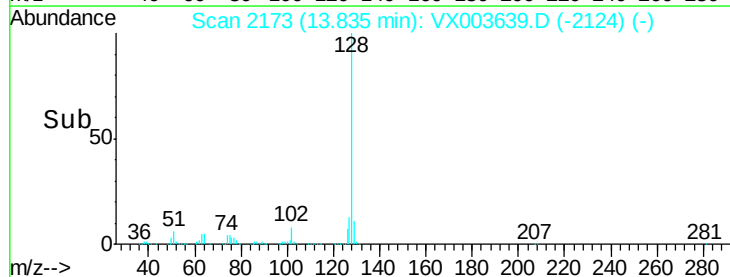
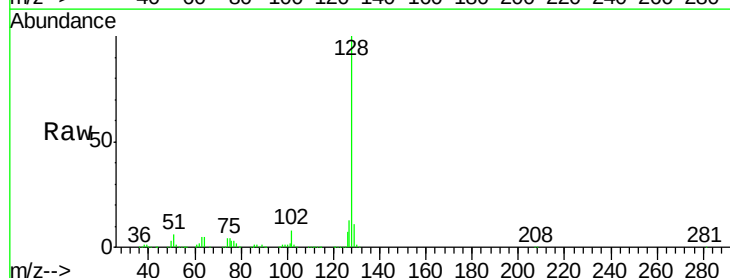
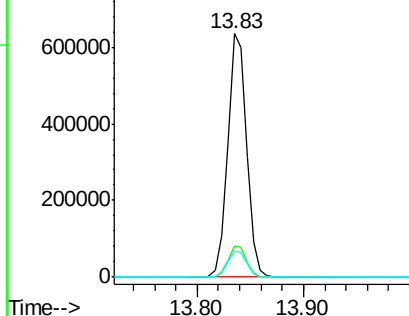
Delta R.T. 0.00 min

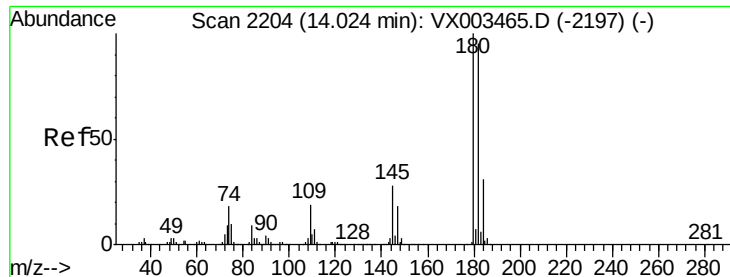
Lab File: VX003639.D

Acq: 24 Jul 2018 08:02

Tgt Ion:	128	Resp:	785491
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.8	8.6	13.0

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 51.68 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003639.D
 Acq: 24 Jul 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-071818MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278741		
182	95.4	48.0	144.0	
145	28.9	14.8	44.3	

Manual Integrations
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