

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003362.D
 Acq On : 13 Jul 2018 12:26
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:40 AM

Quant Time: Jul 13 14:45:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:52:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	62858	14.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.64%	
35) Dibromofluoromethane	5.51	113	54197	13.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.06%	
50) Toluene-d8	8.72	98	188851	12.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.56%	
62) 4-Bromofluorobenzene	11.14	95	73233	13.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46064	11.24	ug/l	98
3) Chloromethane	1.32	50	59611	16.00	ug/l	100
4) Vinyl Chloride	1.40	62	69494	18.18	ug/l	99
5) Bromomethane	1.64	94	35053	23.18	ug/l	100
6) Chloroethane	1.72	64	45631	21.54	ug/l	98
7) Trichlorofluoromethane	1.93	101	101483	17.86	ug/l	98
8) Diethyl Ether	2.19	74	44906	21.86	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64438	19.37	ug/l	97
10) Methyl Iodide	2.51	142	57732	17.50	ug/l	94
11) Tert butyl alcohol	3.08	59	86906	113.03	ug/l	99
12) 1,1-Dichloroethene	2.37	96	59231	19.56	ug/l	92
13) Acrolein	2.29	56	29046	46.88	ug/l	100
14) Allyl chloride	2.73	41	116174	20.71	ug/l	88
15) Acrylonitrile	3.15	53	200098	116.55	ug/l	98
16) Acetone	2.45	43	157351	104.51	ug/l #	88
17) Carbon Disulfide	2.57	76	139044	16.52	ug/l	99
18) Methyl Acetate	2.78	43	100509	23.66	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	220209	21.77	ug/l	99
20) Methylene Chloride	2.86	84	71247	20.94	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	63620	19.71	ug/l	96
22) Diisopropyl ether	3.87	45	209304	18.34	ug/l	98
23) Vinyl Acetate	3.82	43	855746	88.33	ug/l	97
24) 1,1-Dichloroethane	3.70	63	119615	20.14	ug/l	99
25) 2-Butanone	4.71	43	232495	87.27	ug/l	95
26) 2,2-Dichloropropane	4.59	77	82260	15.83	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	66904	16.86	ug/l	97
28) Bromochloromethane	5.02	49	57466	19.20	ug/l	93
29) Tetrahydrofuran	5.17	42	148210	85.71	ug/l	93
30) Chloroform	5.22	83	114506	17.53	ug/l	99
31) Cyclohexane	5.57	56	88004	15.82	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	94237	16.35	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79357	14.48	ug/l	99
37) Ethyl Acetate	4.87	43	88338	14.70	ug/l	96
38) Carbon Tetrachloride	5.78	117	81805	13.64	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90343	13.99	ug/l	96
40) Benzene	6.15	78	252239	15.53	ug/l	98
41) Methacrylonitrile	5.07	41	50699	15.41	ug/l	94
42) 1,2-Dichloroethane	6.20	62	90503	14.91	ug/l	97
43) Isopropyl Acetate	6.47	43	138254	14.65	ug/l	95
44) Trichloroethene	7.21	130	69584	14.49	ug/l	96
45) 1,2-Dichloropropane	7.52	63	69316	16.41	ug/l	99
46) Dibromomethane	7.67	93	44654	15.51	ug/l	98
47) Bromodichloromethane	7.90	83	83170	15.66	ug/l	99
48) Methyl methacrylate	7.78	41	71970	14.87	ug/l	87
49) 1,4-Dioxane	7.76	88	33491	330.98	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	469512	79.93	ug/l	93
52) Toluene	8.79	92	159546	15.54	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	95285	15.25	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	85456	15.02	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	67726	15.90	ug/l	98
56) Ethyl methacrylate	9.18	69	94427	16.18	ug/l #	88
57) 1,3-Dichloropropane	9.38	76	111089	16.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	244082	86.73	ug/l	98
59) 2-Hexanone	9.50	43	361395	81.00	ug/l	92
60) Dibromochloromethane	9.59	129	67798	15.24	ug/l	99
61) 1,2-Dibromoethane	9.68	107	70865	15.87	ug/l	99
64) Tetrachloroethene	9.34	164	79785	14.10	ug/l	98
65) Chlorobenzene	10.14	112	185407	14.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	66152	14.41	ug/l	99
67) Ethyl Benzene	10.26	91	301988	14.68	ug/l	99
68) m/p-Xylenes	10.36	106	235435	29.42	ug/l	97
69) o-Xylene	10.70	106	112777	14.55	ug/l	98
70) Styrene	10.71	104	190267	15.14	ug/l	98
71) Bromoform	10.86	173	48489	12.84	ug/l #	98
73) Isopropylbenzene	11.02	105	303405	17.16	ug/l	100
74) N-amyl acetate	6.47	43	138254	16.39	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	99670	18.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	88084m	18.20	ug/l	
77) Bromobenzene	11.26	156	83818	16.42	ug/l	99
78) n-propylbenzene	11.37	91	342369	17.41	ug/l	100
79) 2-Chlorotoluene	11.42	91	207891	17.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	251333	17.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24952	16.85	ug/l	100
82) 4-Chlorotoluene	11.51	91	243157	17.39	ug/l	99
83) tert-Butylbenzene	11.77	119	250026	17.00	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	266465	17.67	ug/l	98
85) sec-Butylbenzene	11.95	105	300218	17.27	ug/l	100
86) p-Isopropyltoluene	12.07	119	271353	17.13	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	157473	16.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	158214	16.69	ug/l	99
89) n-Butylbenzene	12.39	91	219630	16.60	ug/l	99
90) Hexachloroethane	12.60	117	37019	15.31	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	159854	17.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19519	16.59	ug/l	94

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ClientSampleId :
VSTDICC020

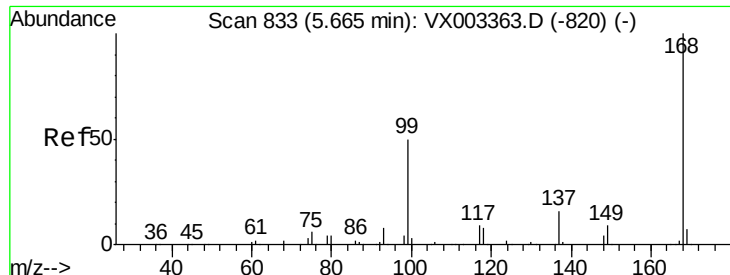
Manual Integrations
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QLast Update : Fri Jul 13 13:52:01 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107795	15.75	ug/l	99
94) Hexachlorobutadiene	13.79	225	49307	14.47	ug/l	99
95) Naphthalene	13.84	128	318045	17.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111976	16.40	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: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 269478

Ion Ratio Lower Upper

168 100

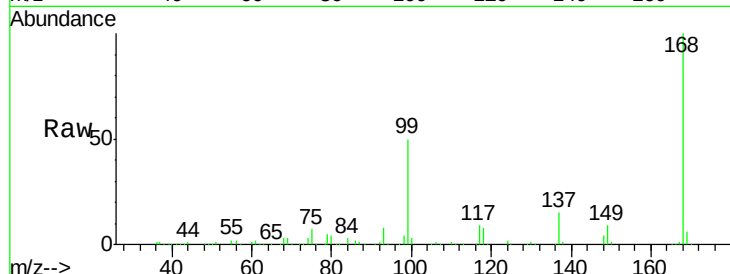
99 49.6 39.3 58.9

Manual Integrations

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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

100000

80000

60000

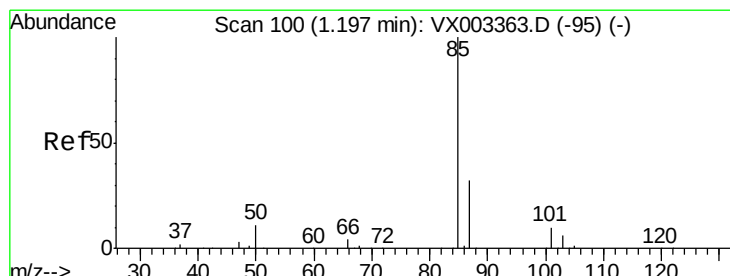
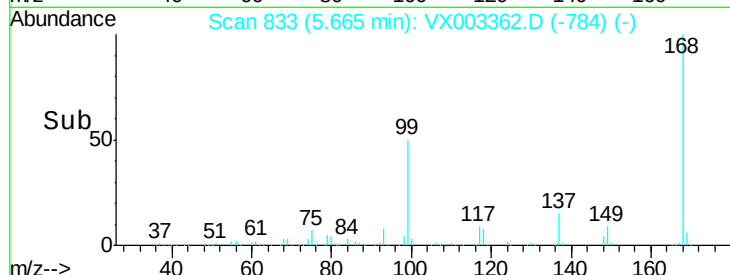
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 11.24 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003362.D

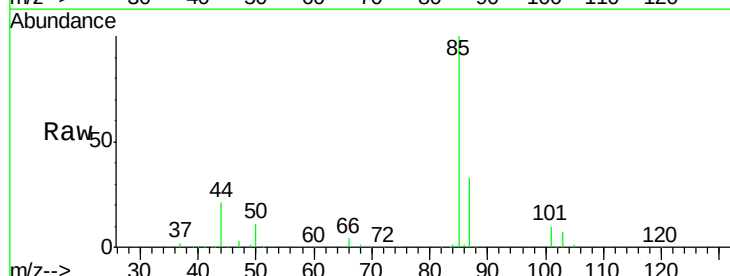
Acq: 13 Jul 2018 12:26

Tgt Ion: 85 Resp: 46064

Ion Ratio Lower Upper

85 100

87 32.9 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

50000

40000

30000

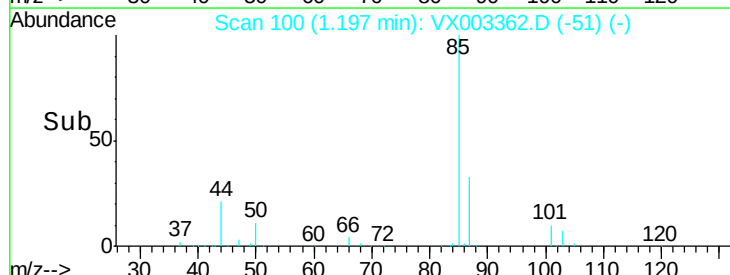
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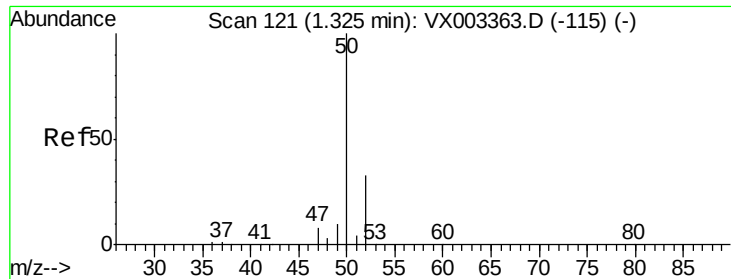
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 16.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 59611

Ion Ratio Lower Upper

50 100

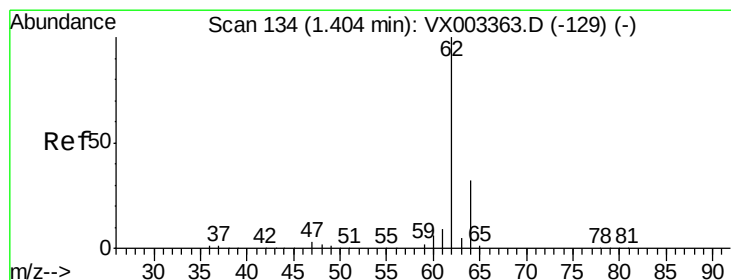
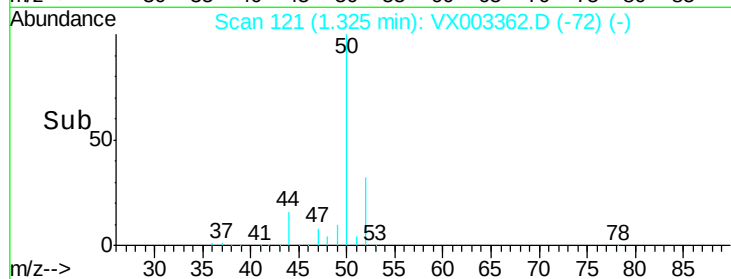
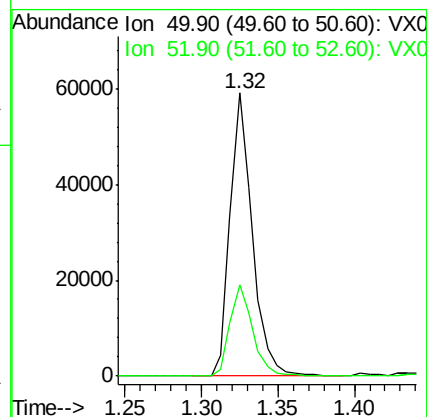
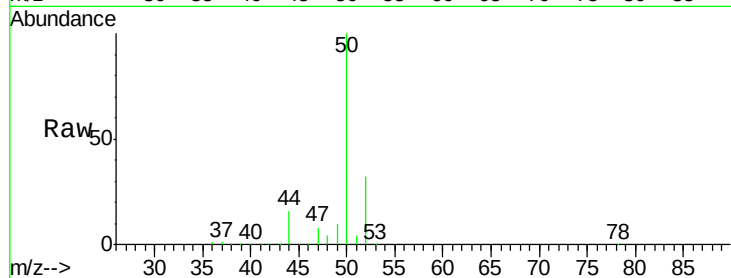
52 32.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.18 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003362.D

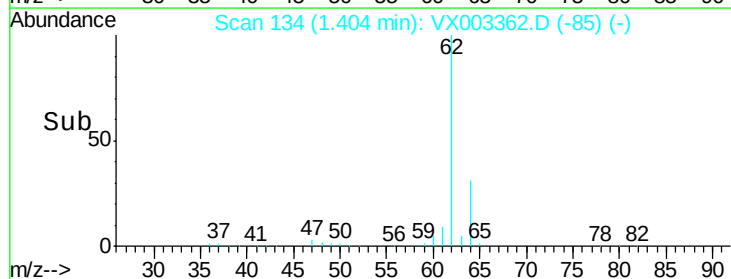
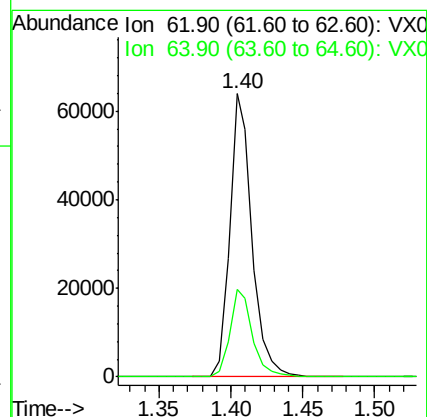
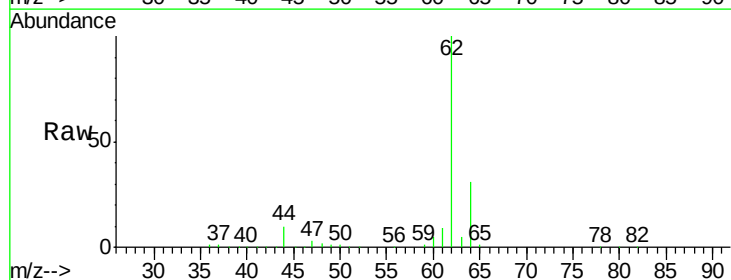
Acq: 13 Jul 2018 12:26

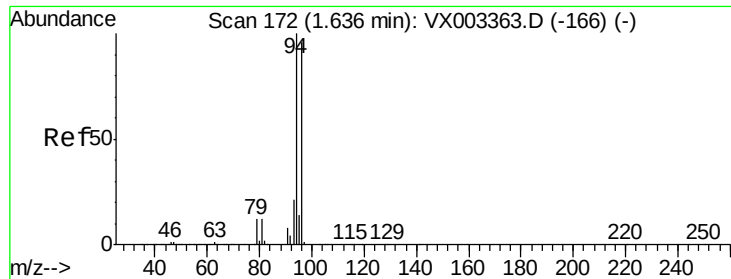
Tgt Ion: 62 Resp: 69494

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 23.18 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 35053

Ion Ratio Lower Upper

94 100

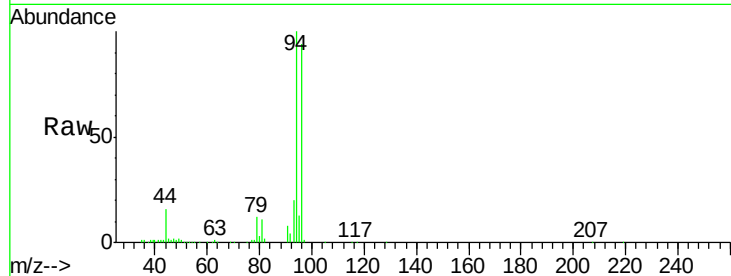
96 93.9 74.9 112.3

Manual Integrations

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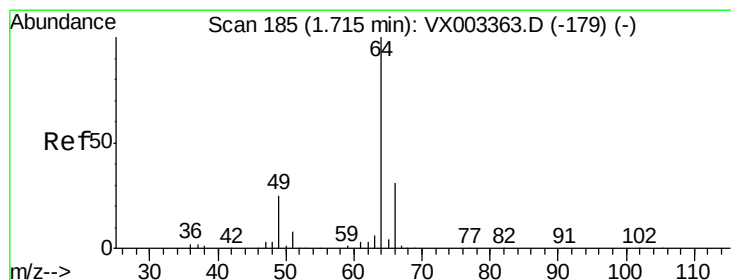
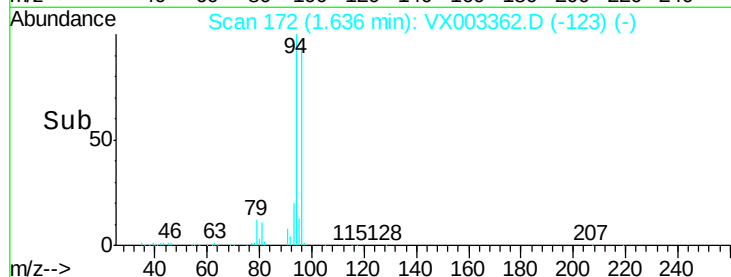
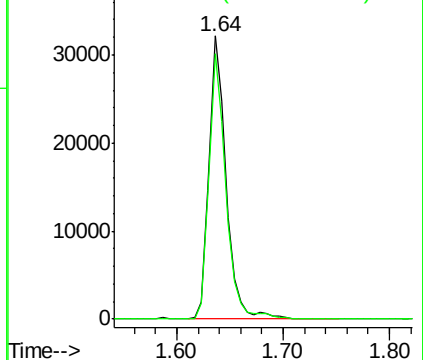
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.54 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003362.D

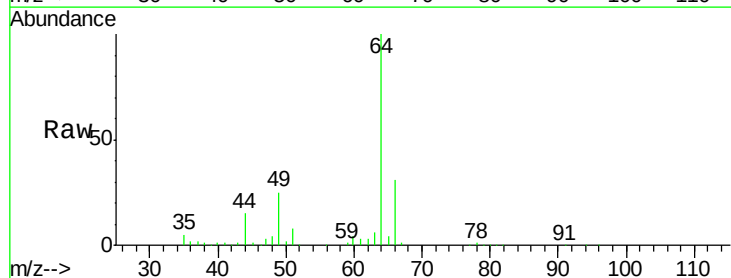
Acq: 13 Jul 2018 12:26

Tgt Ion: 64 Resp: 45631

Ion Ratio Lower Upper

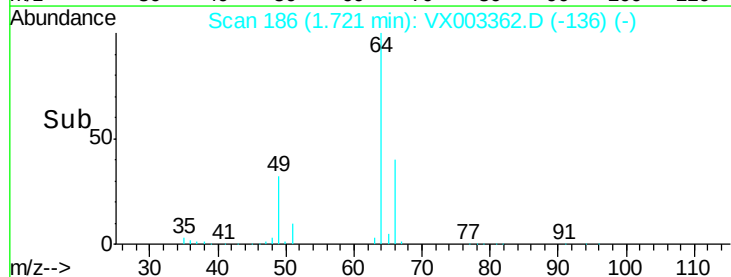
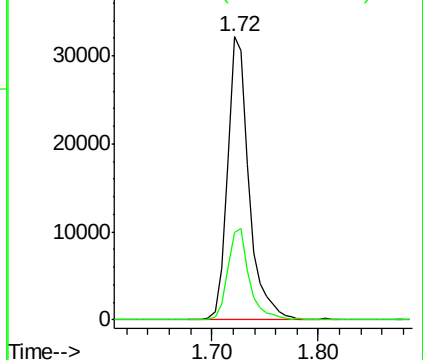
64 100

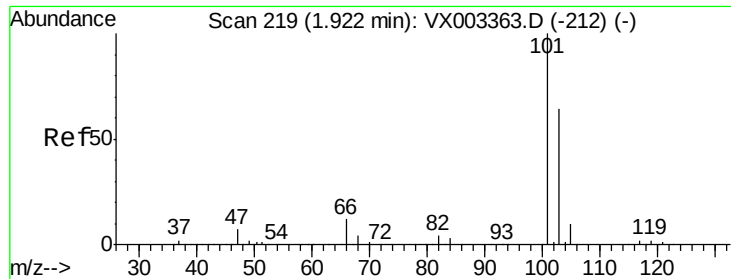
66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

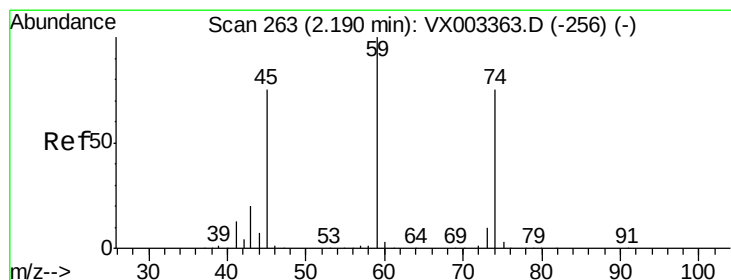
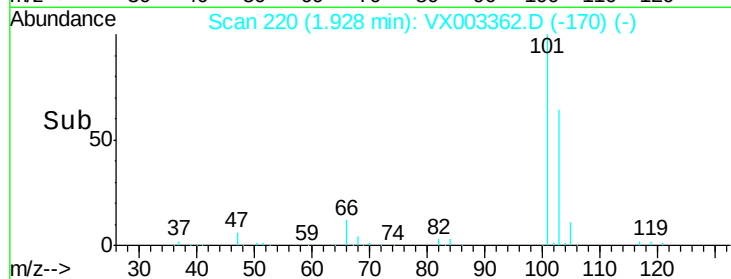
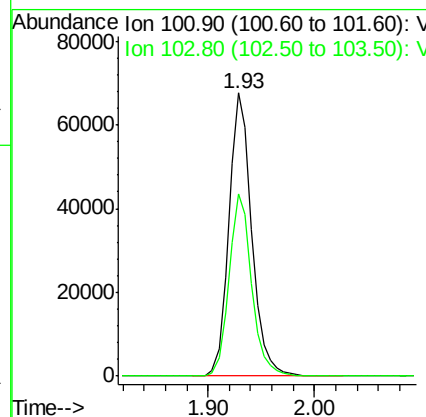
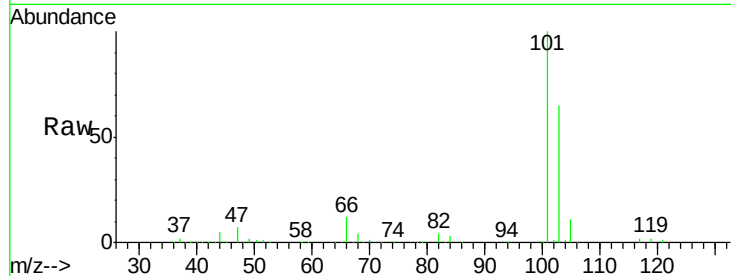
Trichlorofluoromethane
Concen: 17.86 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

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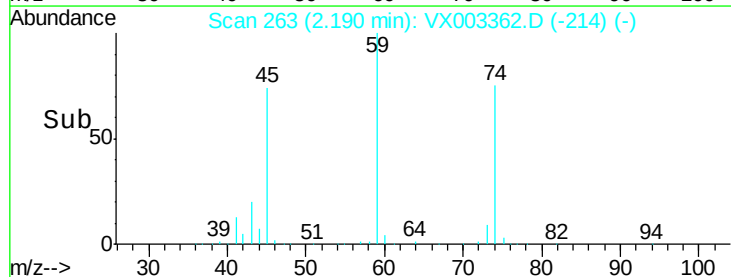
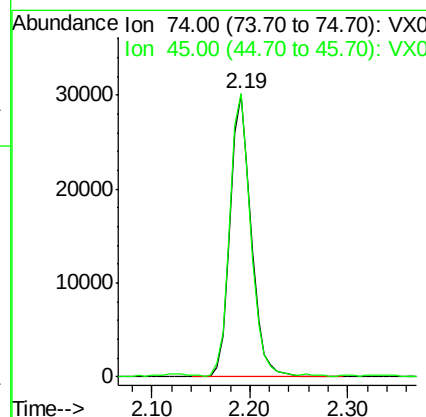
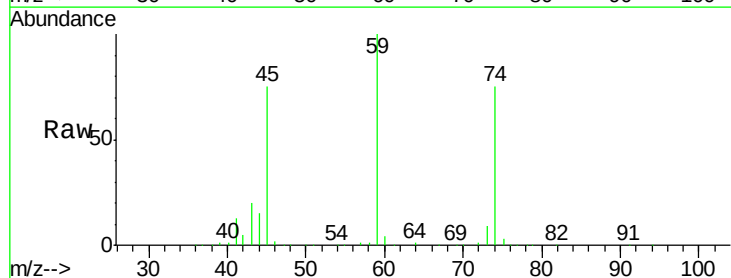
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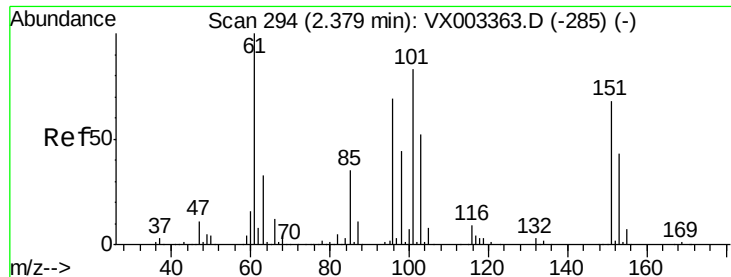


#8

Diethyl Ether
Concen: 21.86 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.37 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:101 Resp: 64438

Ion Ratio Lower Upper

101 100

85 42.6 36.0 54.0

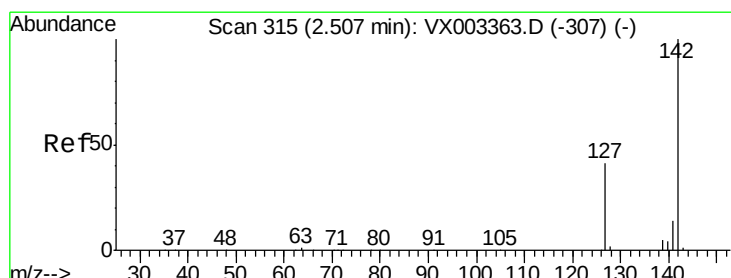
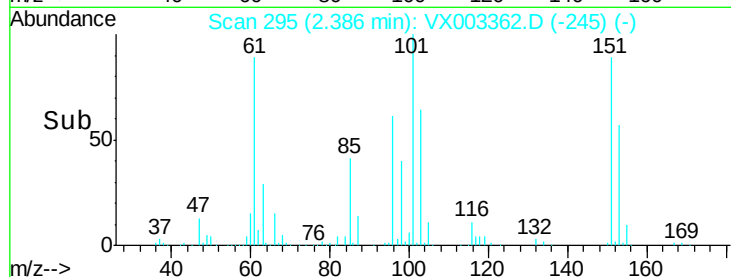
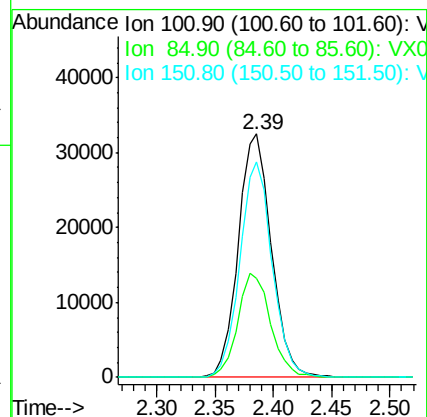
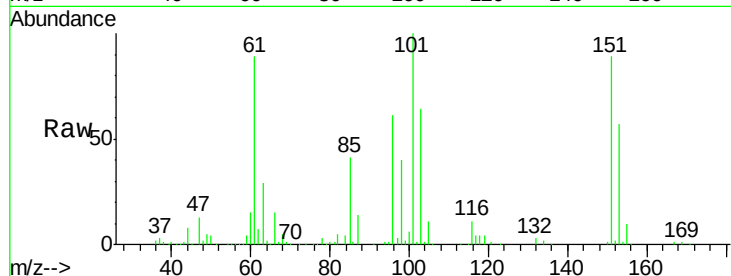
151 86.6 70.9 106.3

Manual Integrations

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7/16/2018 11:24:40 AM



#10

Methyl Iodide

Concen: 17.50 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

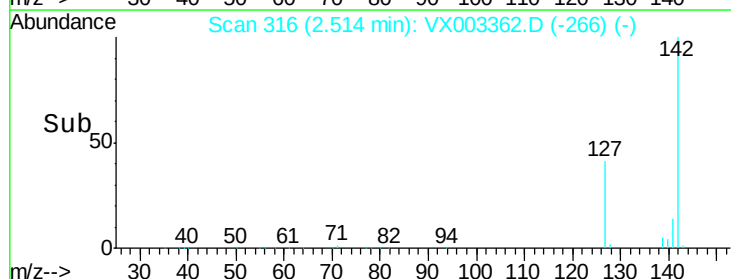
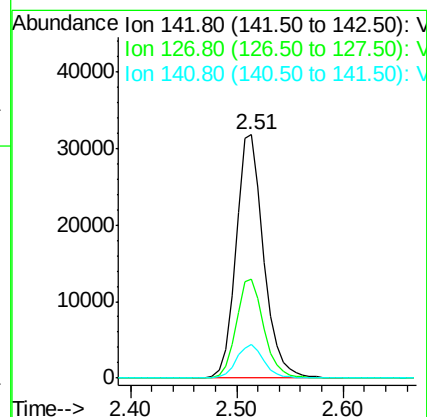
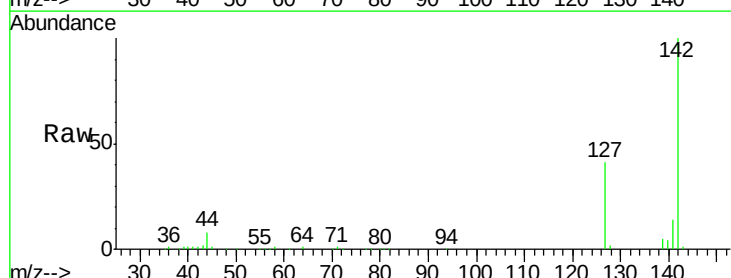
Tgt Ion:142 Resp: 57732

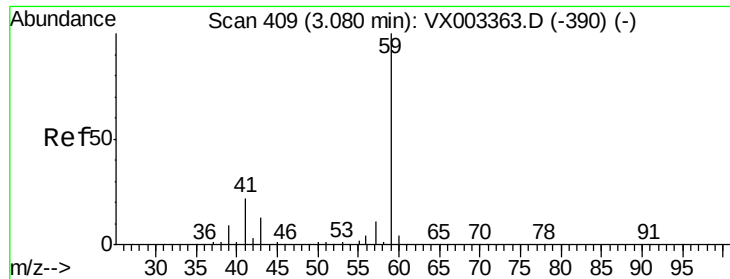
Ion Ratio Lower Upper

142 100

127 40.8 36.6 55.0

141 13.6 11.3 16.9





#11

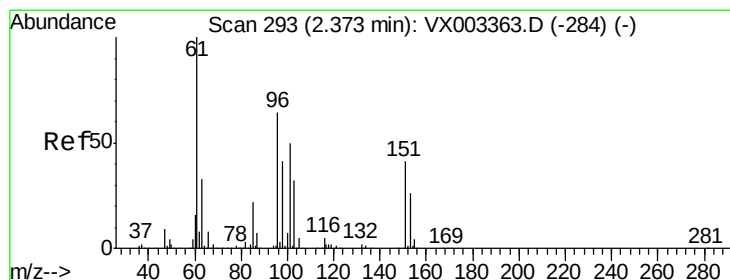
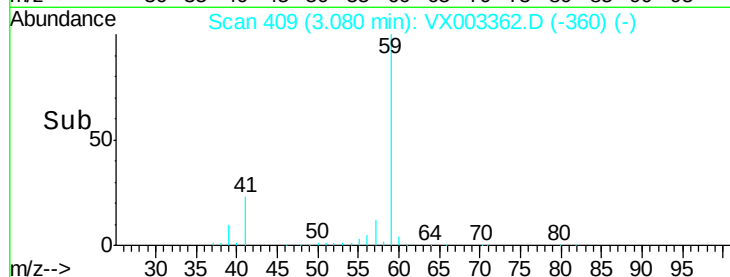
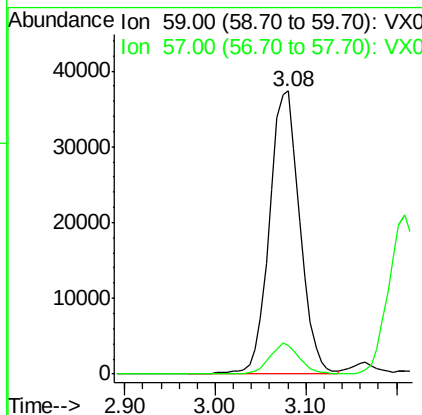
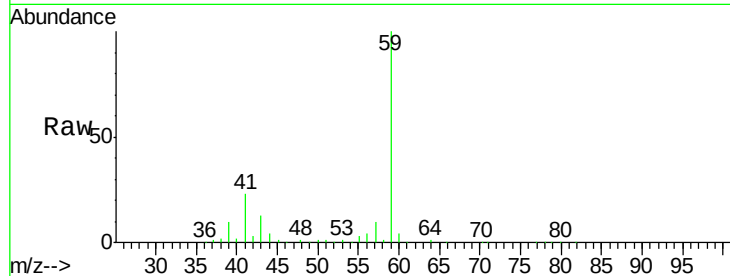
Tert butyl alcohol
Concen: 113.03 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
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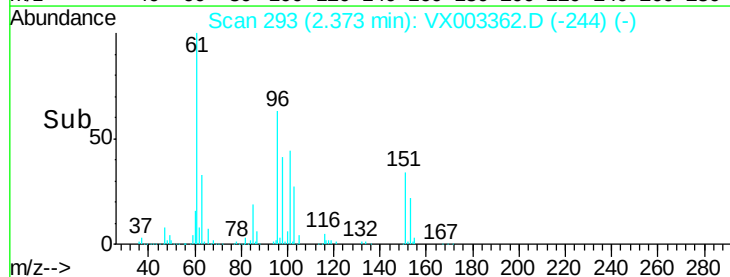
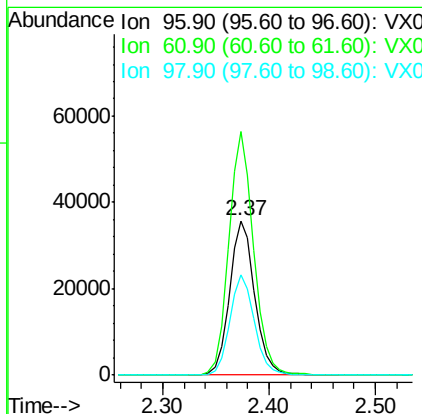
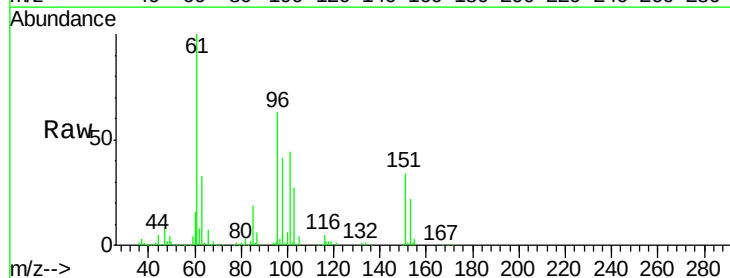
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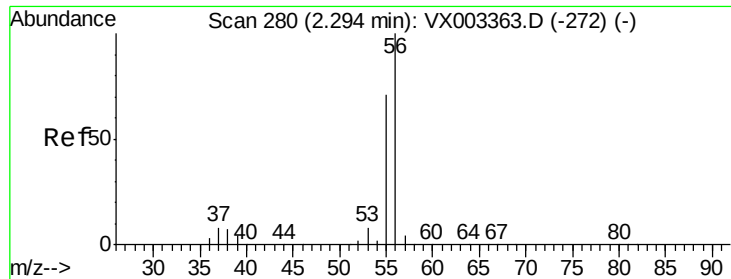


#12

1,1-Dichloroethene
Concen: 19.56 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	137.9	206.9
98	65.1	51.6	77.4





#13

Acrolein

Concen: 46.88 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 29046

Ion Ratio Lower Upper

56 100

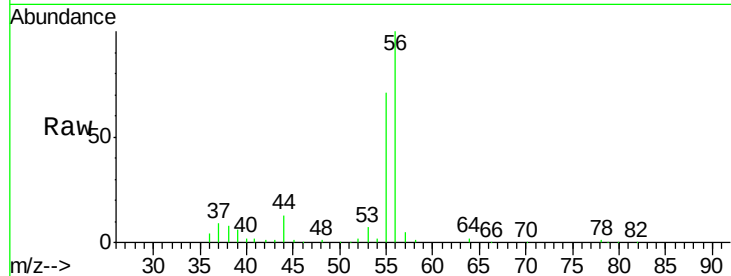
55 71.0 57.0 85.4

Manual Integrations

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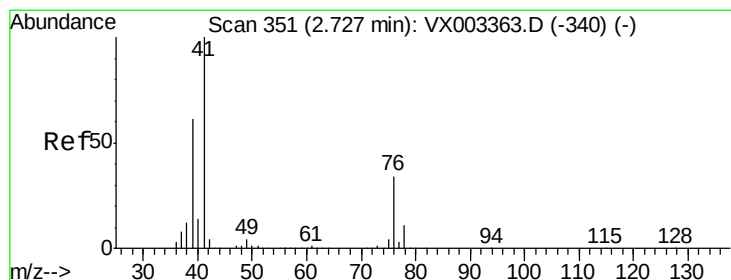
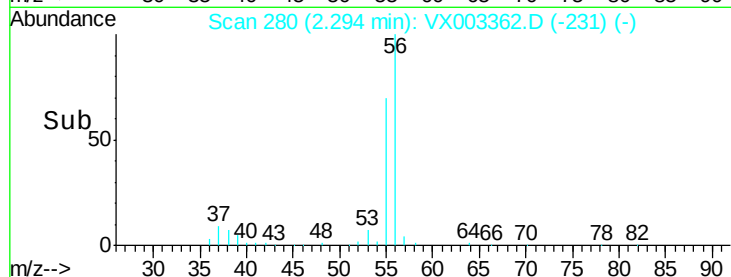
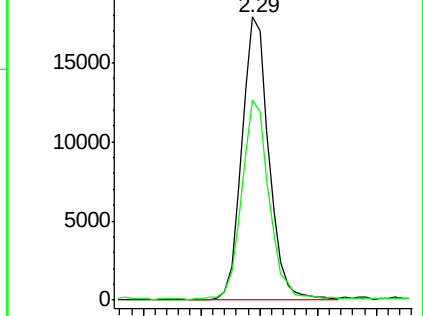
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.71 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

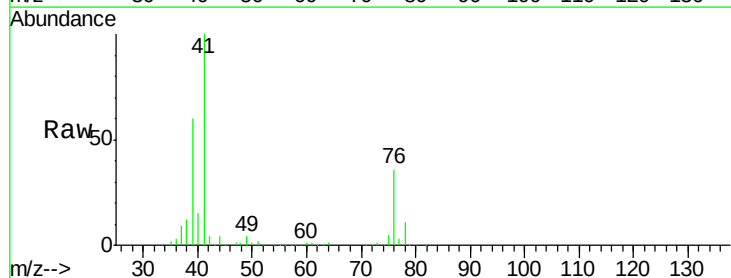
Tgt Ion: 41 Resp: 116174

Ion Ratio Lower Upper

41 100

39 58.0 56.8 85.2

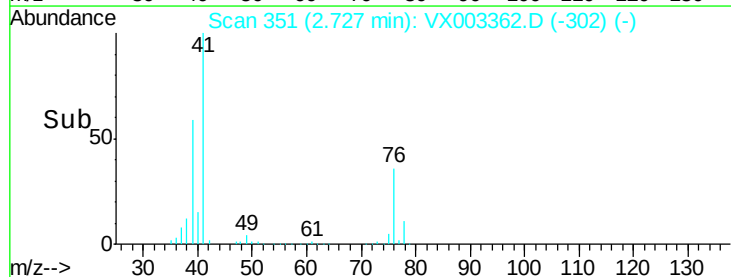
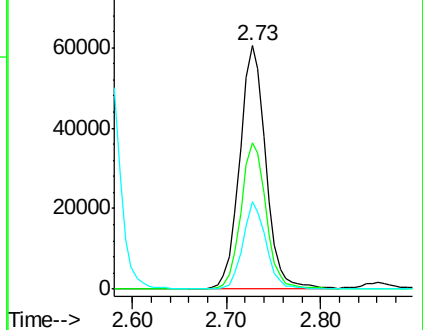
76 32.1 23.8 35.8

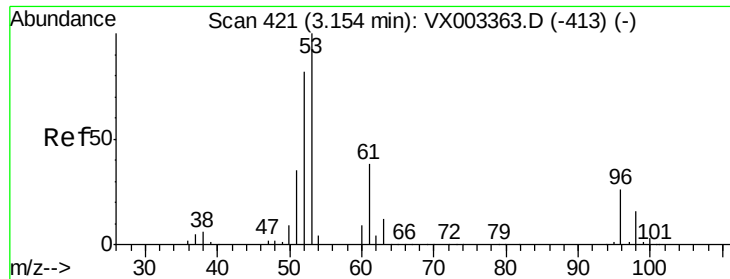


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 116.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

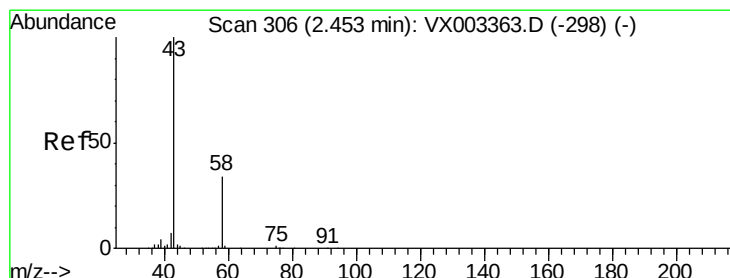
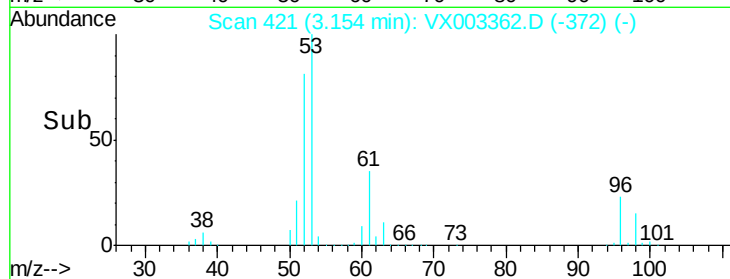
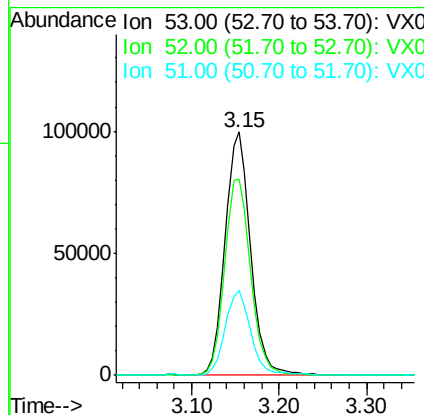
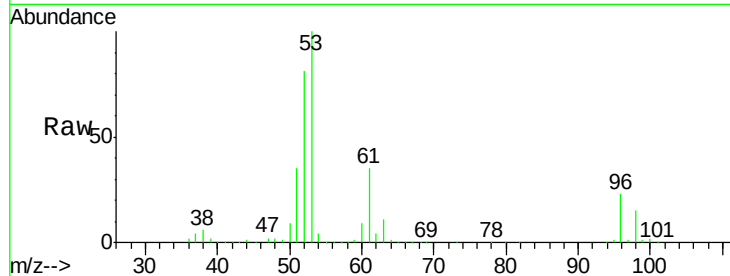
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	200098
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.7	100.1
51	35.2	29.9	44.9

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#16

Acetone

Concen: 104.51 ug/l

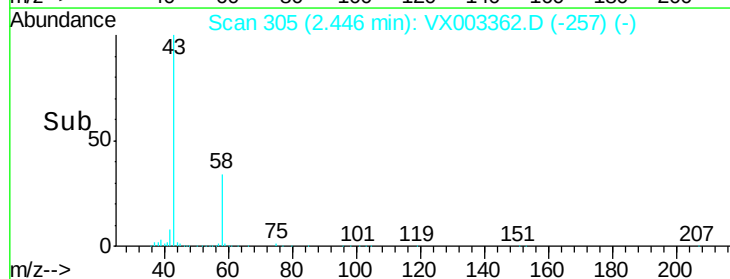
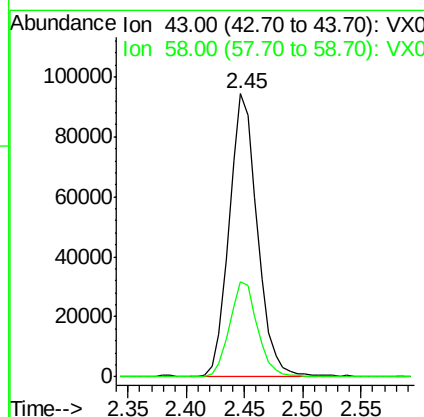
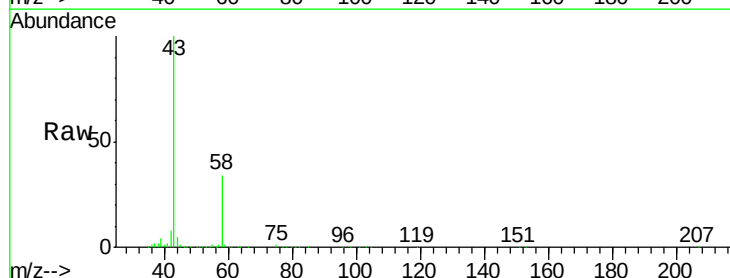
RT: 2.45 min Scan# 305

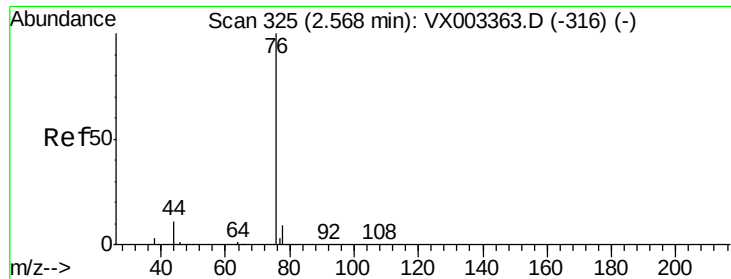
Delta R.T. -0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	43	Resp:	157351
Ion Ratio		Lower	Upper
43	100		
58	33.7	22.1	33.1#





#17

Carbon Disulfide

Concen: 16.52 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 139044

Ion Ratio Lower Upper

76 100

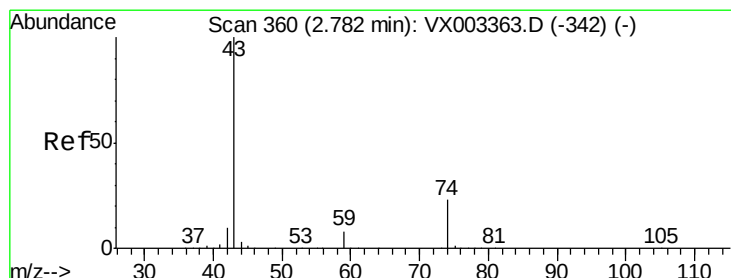
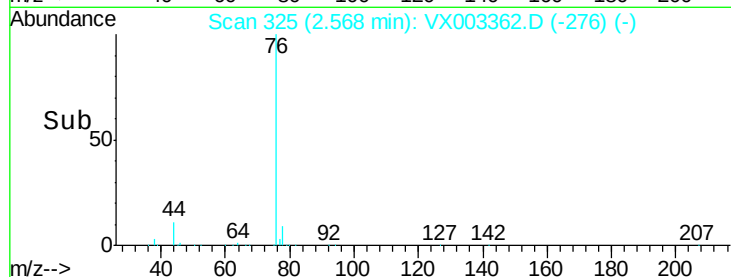
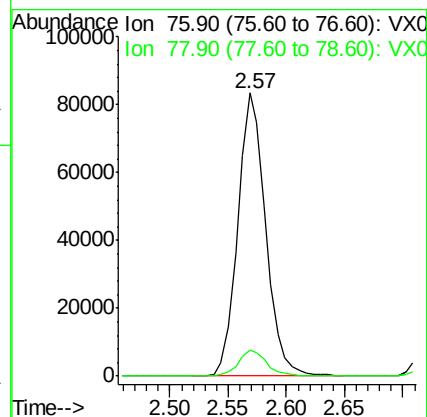
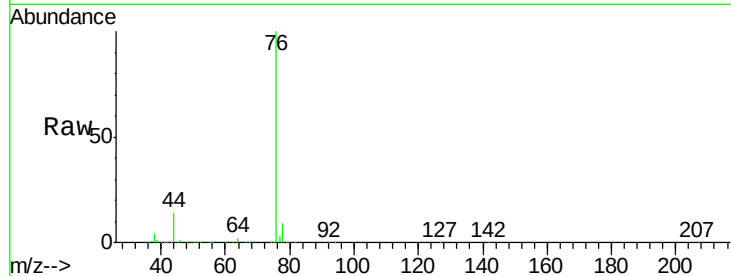
78 9.1 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 23.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003362.D

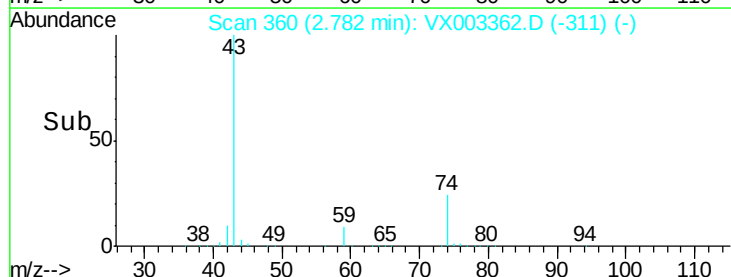
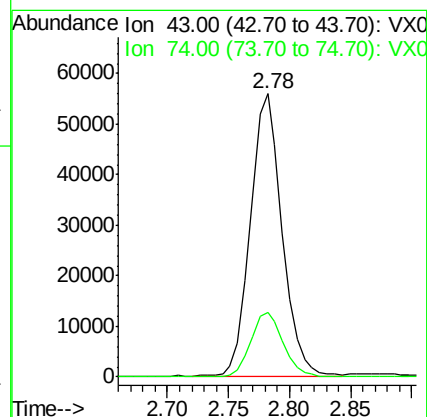
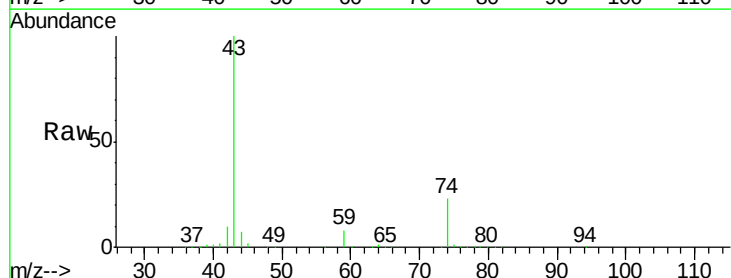
Acq: 13 Jul 2018 12:26

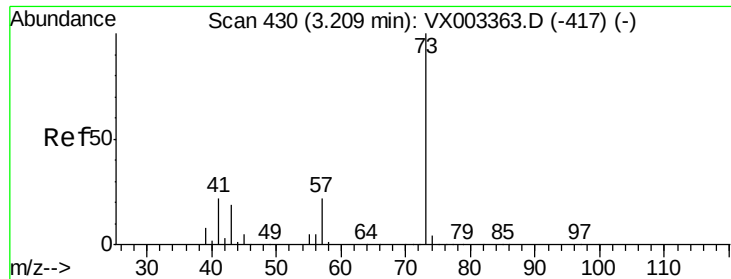
Tgt Ion: 43 Resp: 100509

Ion Ratio Lower Upper

43 100

74 23.8 16.7 25.1





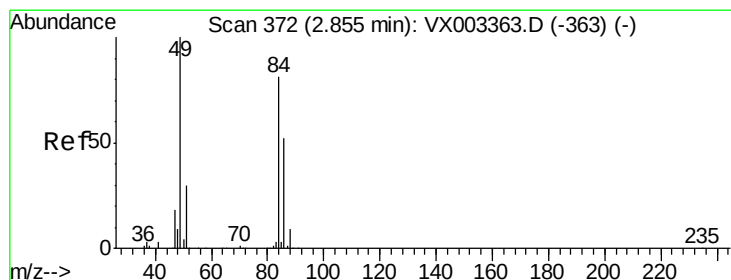
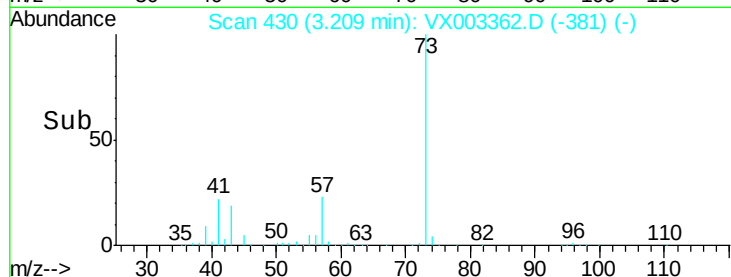
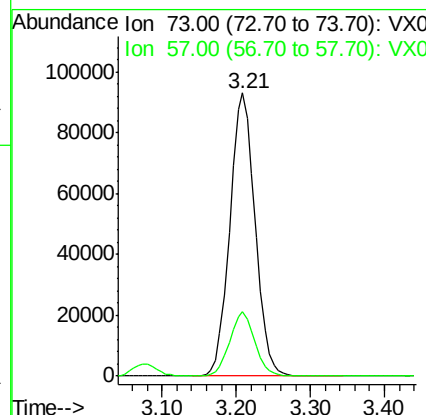
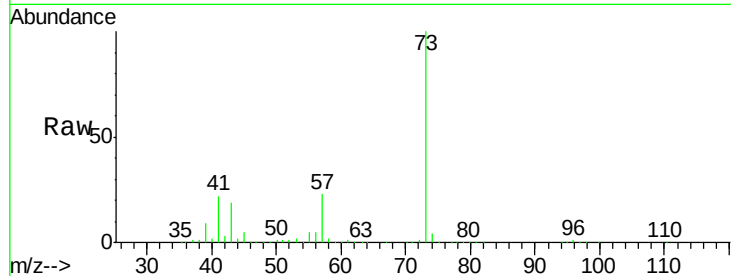
#19
Methyl tert-butyl Ether
Concen: 21.77 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

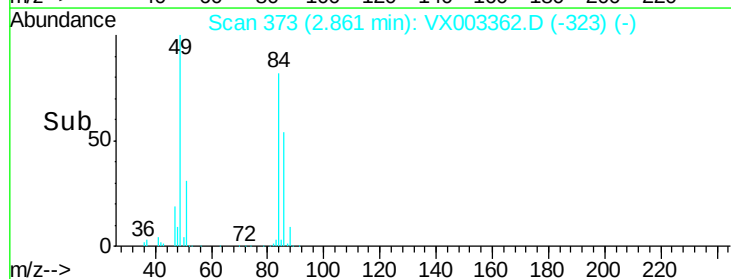
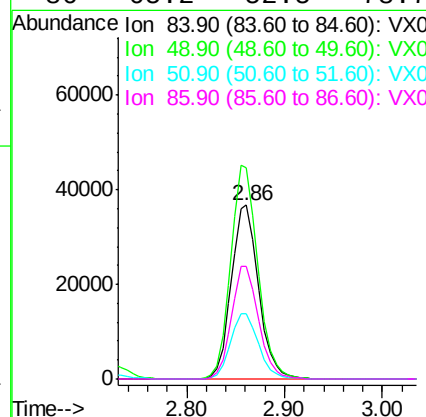
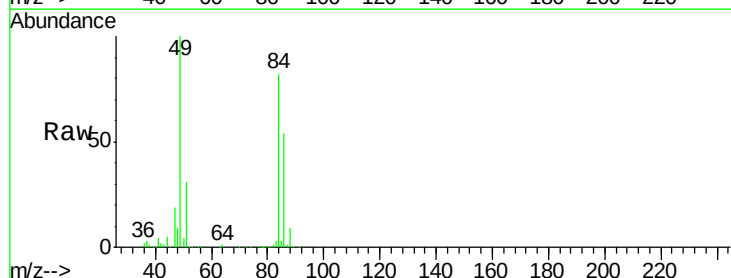
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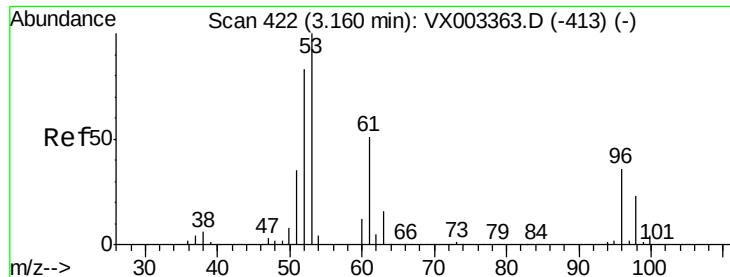
MMDadoda
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#20
Methylene Chloride
Concen: 20.94 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	107.8	161.6
51	37.7	32.8	49.2
86	65.2	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.71 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

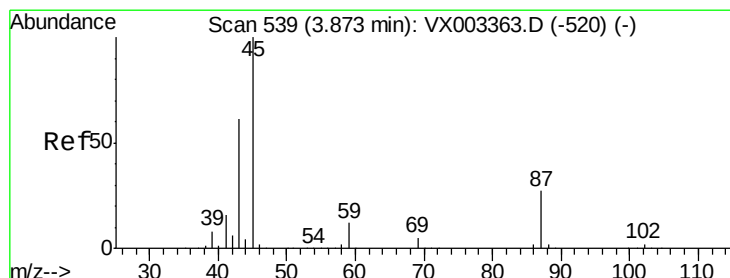
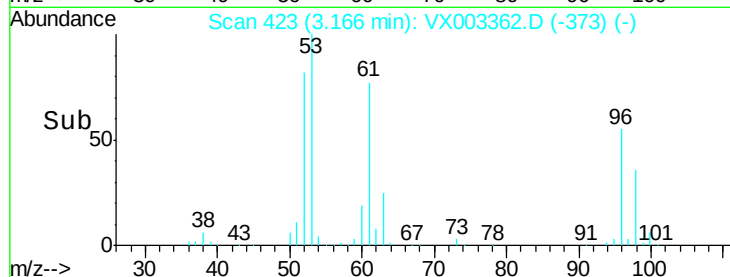
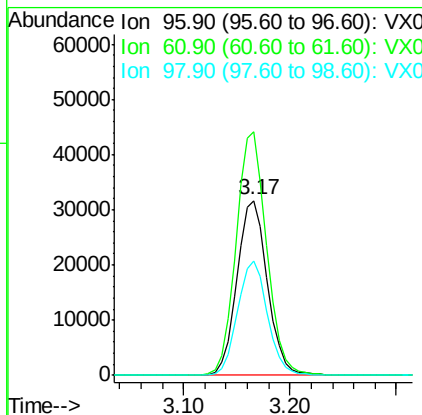
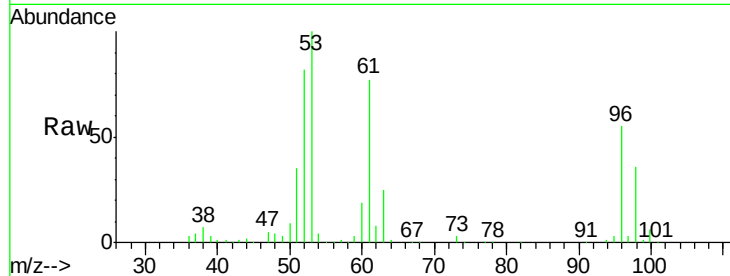
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	63620
Ion	Ratio	Lower	Upper
96	100		
61	139.3	117.0	175.4
98	65.8	52.4	78.6

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#22

Diisopropyl ether

Concen: 18.34 ug/l

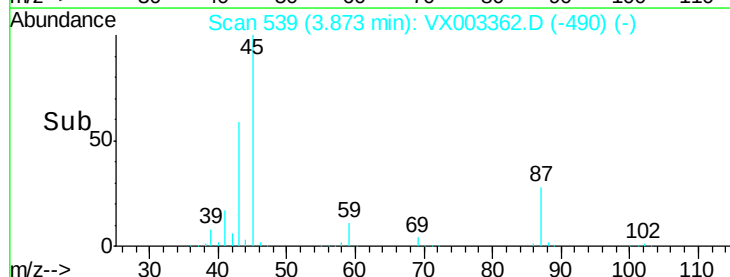
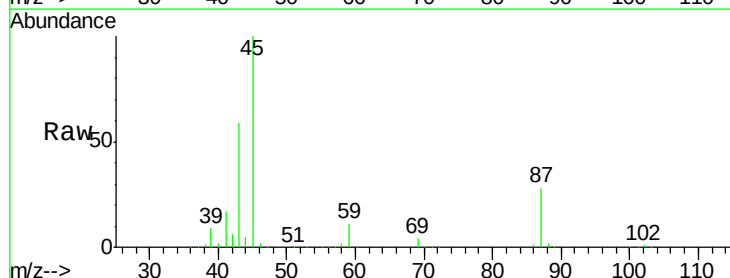
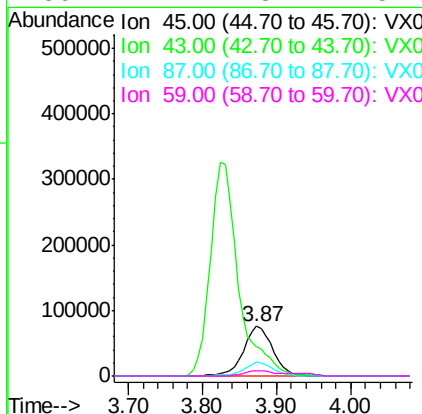
RT: 3.87 min Scan# 539

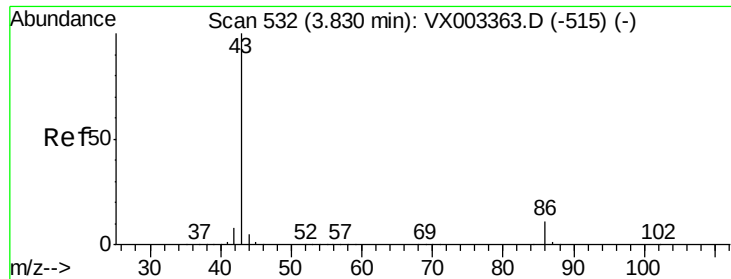
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	45	Resp:	209304
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.8	70.2
87	27.7	20.2	30.4
59	11.4	8.7	13.1





#23

Vinyl Acetate

Concen: 88.33 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 855746

Ion Ratio Lower Upper

43 100

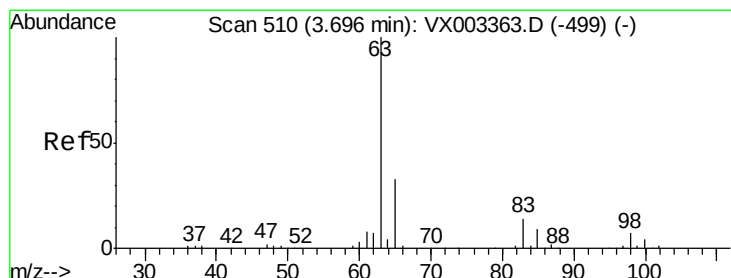
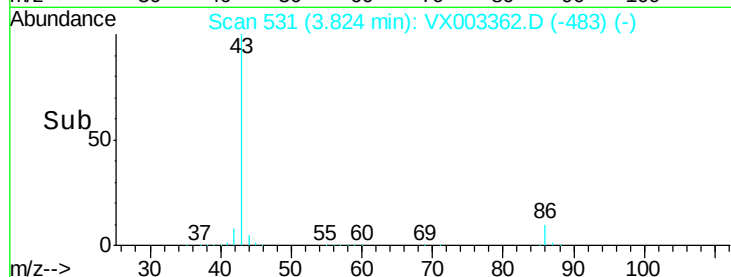
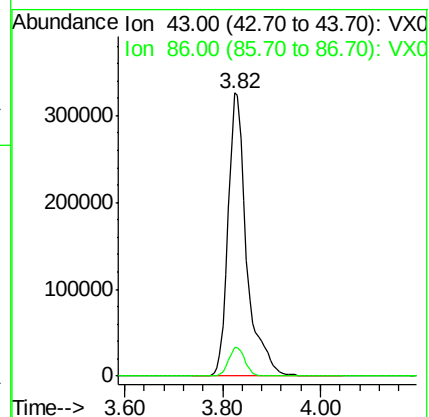
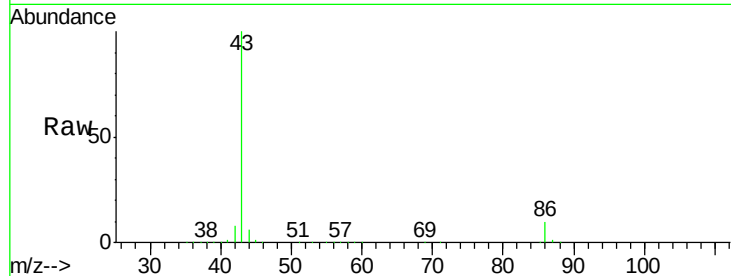
86 10.4 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 20.14 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

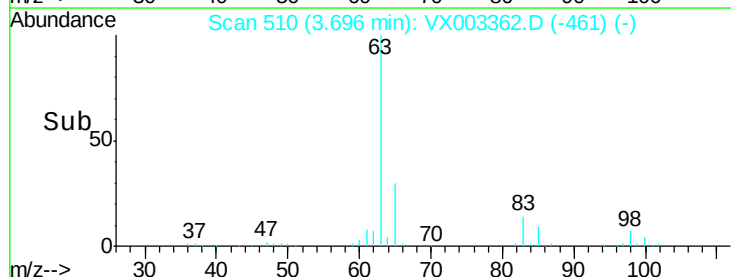
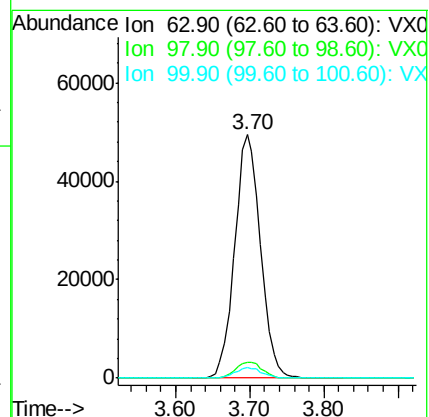
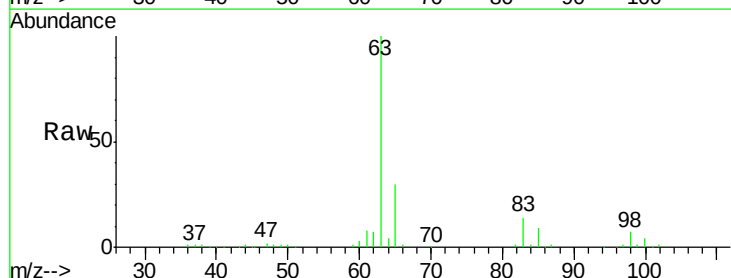
Tgt Ion: 63 Resp: 119615

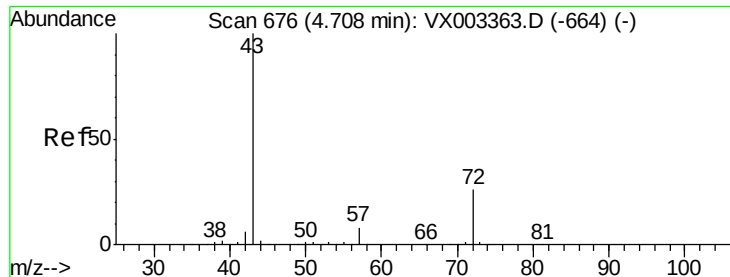
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 87.27 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 232495

Ion Ratio Lower Upper

43 100

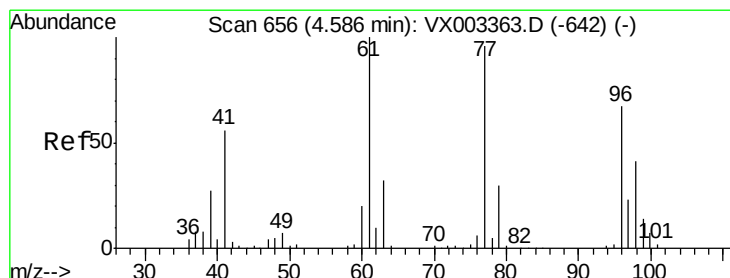
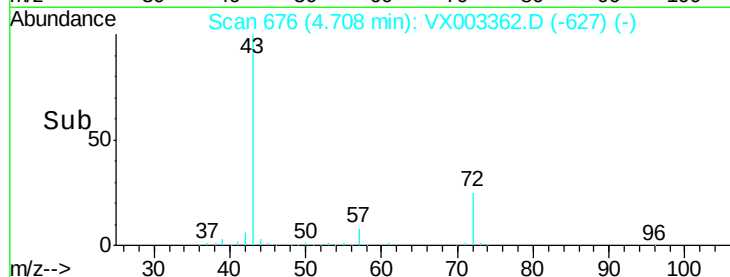
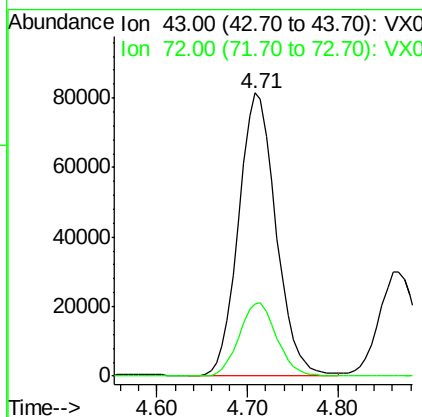
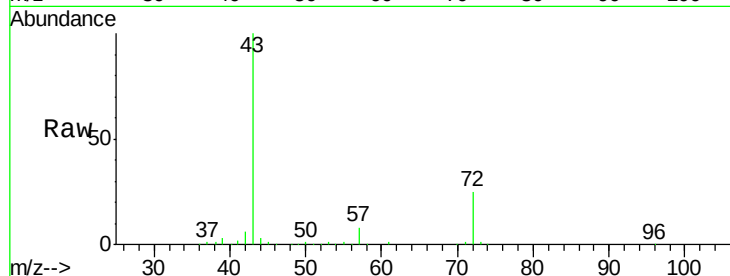
72 25.3 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.83 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003362.D

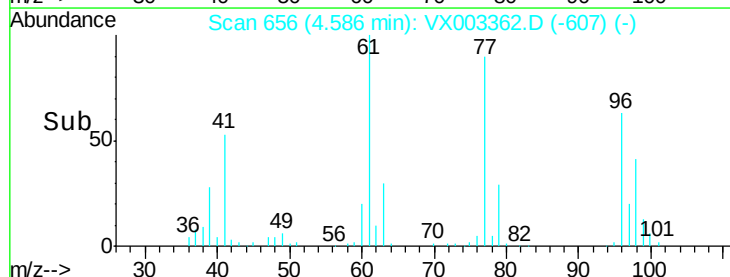
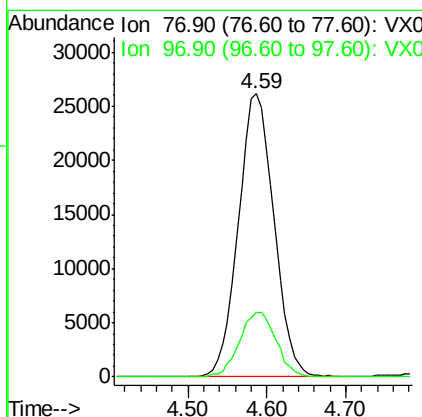
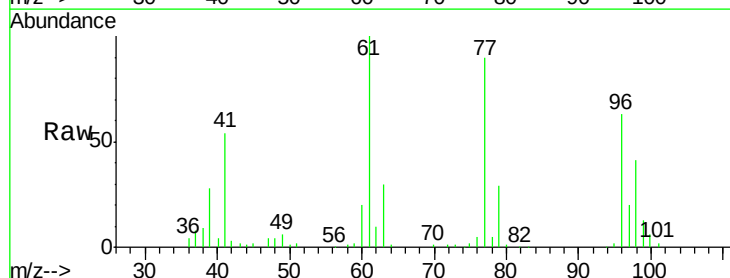
Acq: 13 Jul 2018 12:26

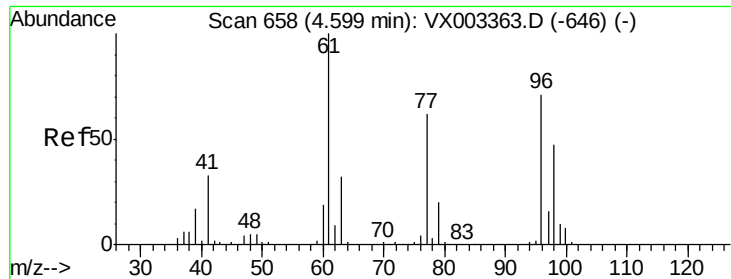
Tgt Ion: 77 Resp: 82260

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.5





#27

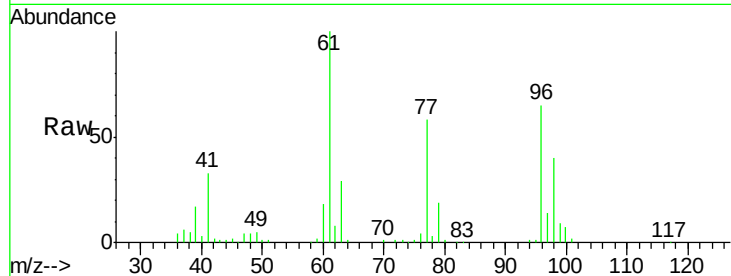
cis-1,2-Dichloroethene
Concen: 16.86 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	330.2
98	65.1	0.0	130.2

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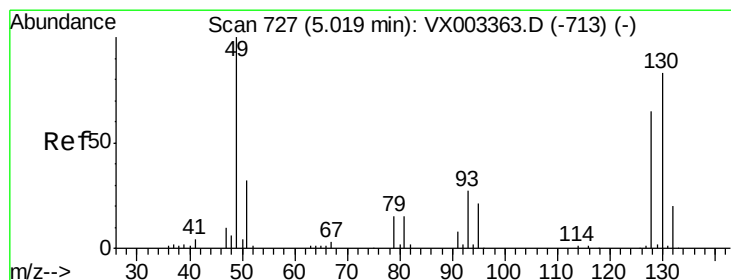
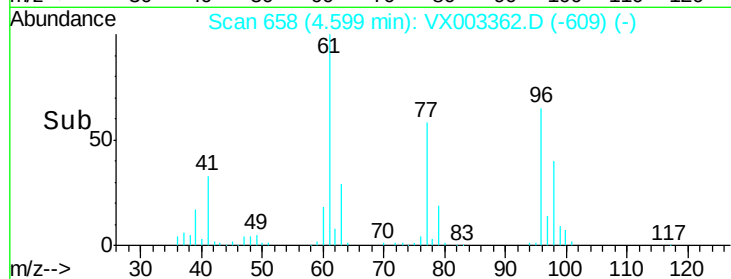
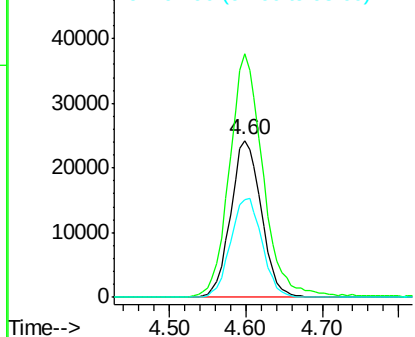


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

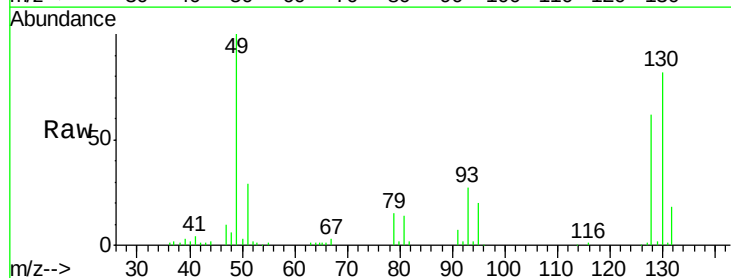
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 19.20 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	83.0	61.2	91.8

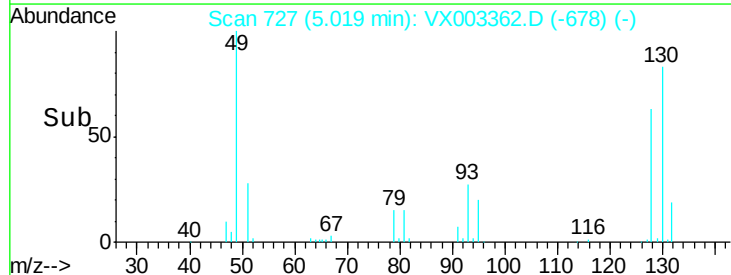
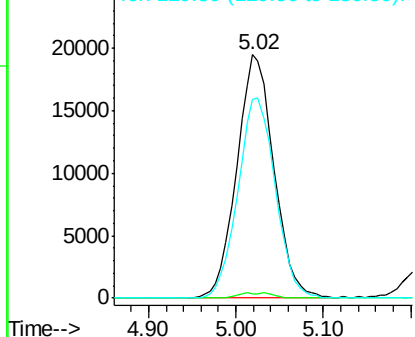


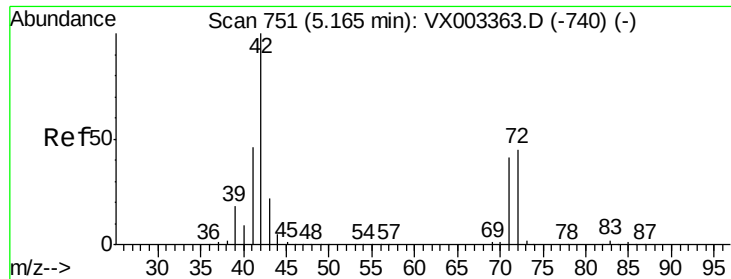
Abundance

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





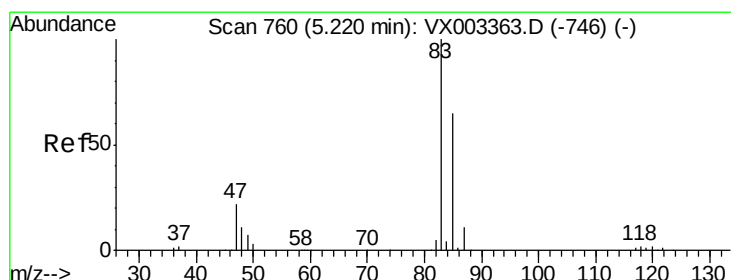
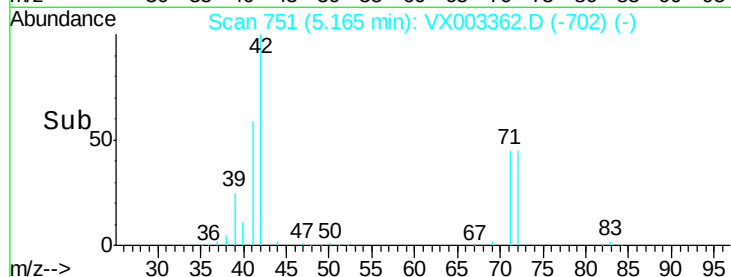
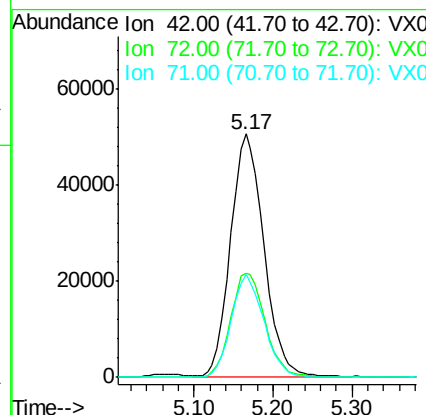
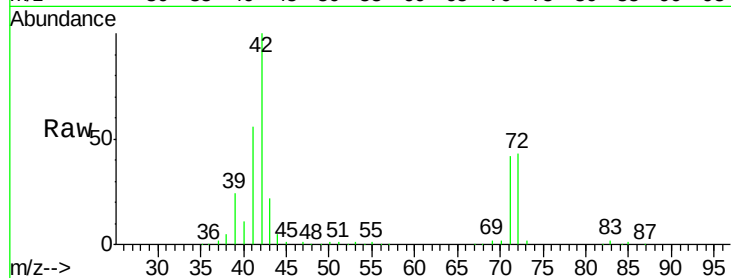
#29
Tetrahydrofuran
Concen: 85.71 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.0	48.0
71	41.7	30.1	45.1

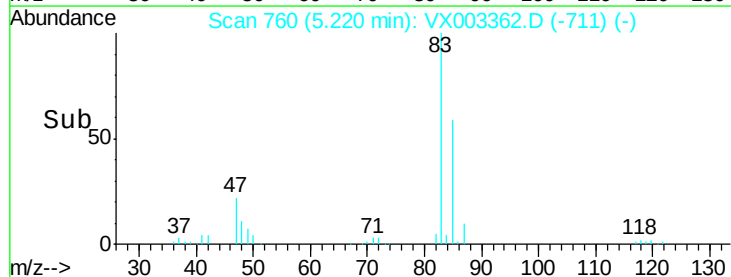
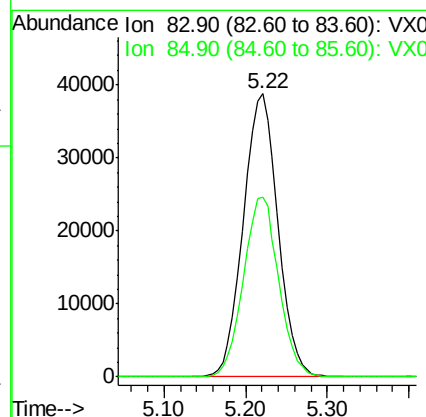
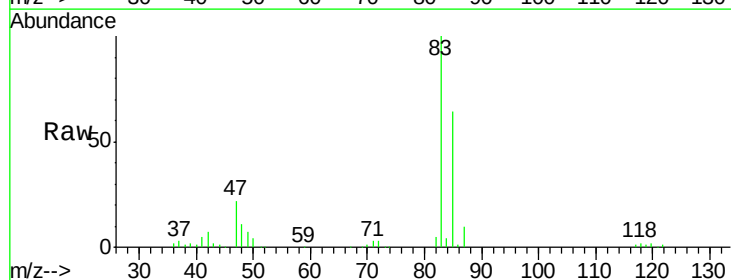
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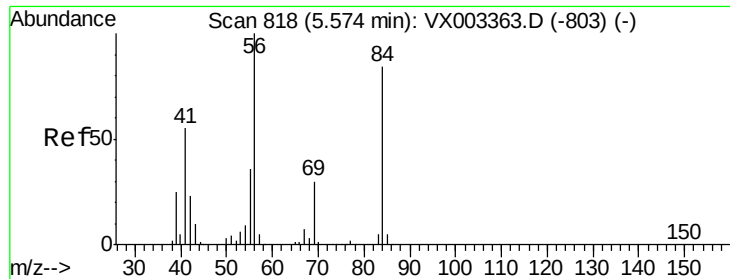
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#30
Chloroform
Concen: 17.53 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.4	75.6





#31

Cyclohexane

Concen: 15.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

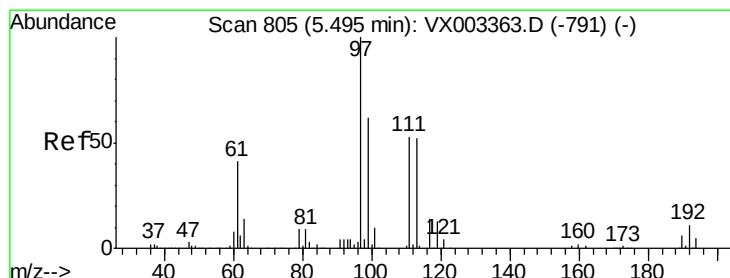
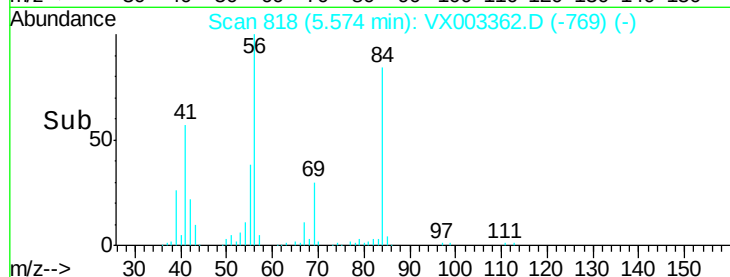
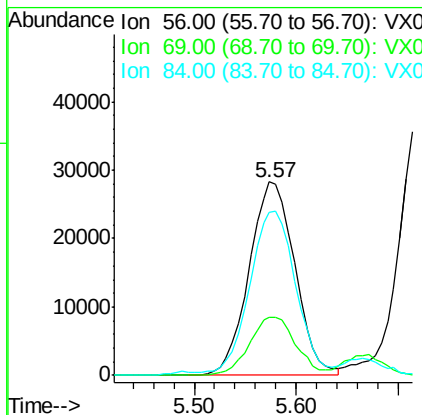
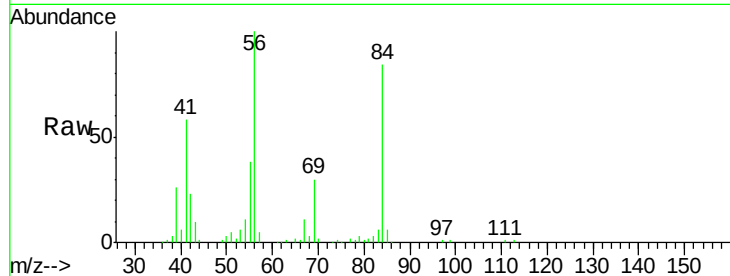
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	88004
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	82.7	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 16.35 ug/l

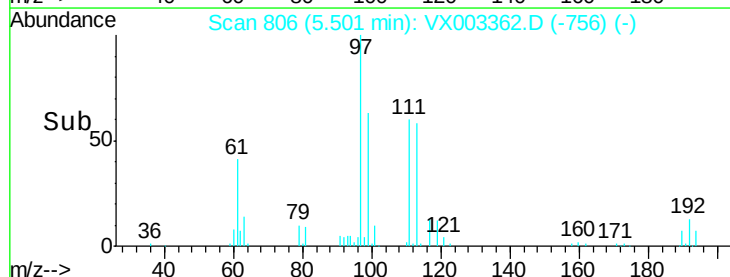
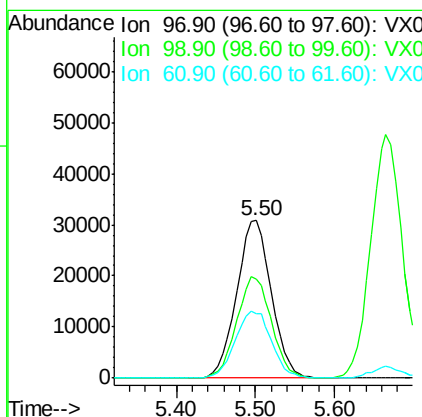
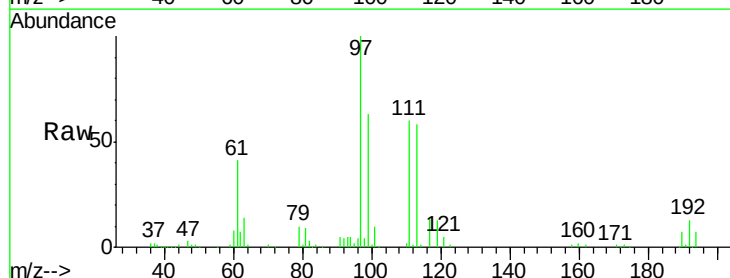
RT: 5.50 min Scan# 806

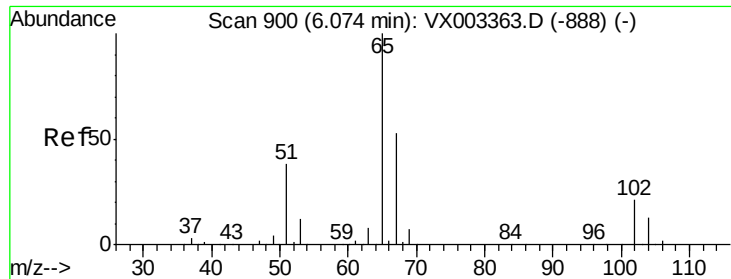
Delta R.T. 0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	97	Resp:	94237
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	44.1	36.4	54.6





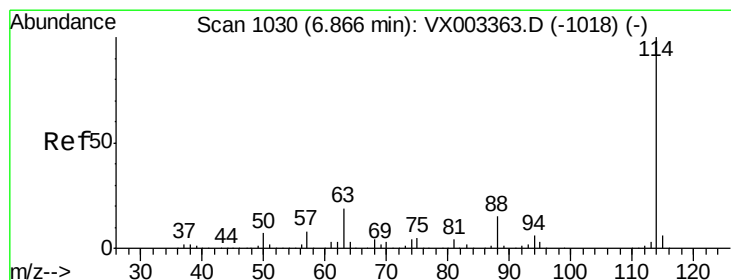
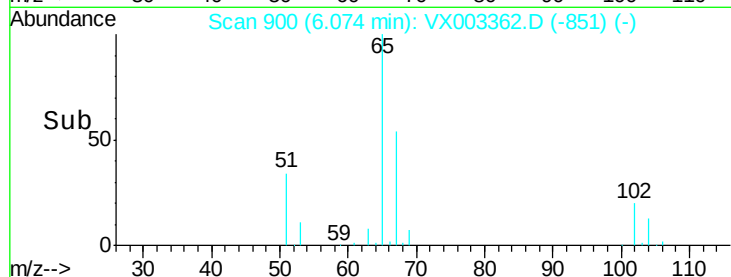
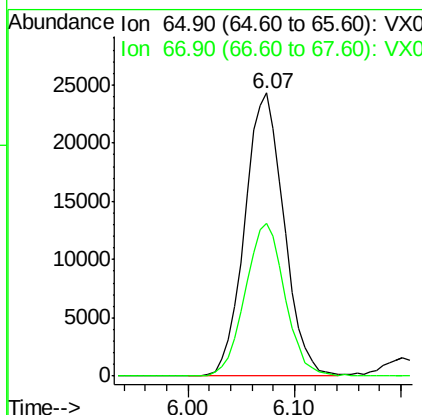
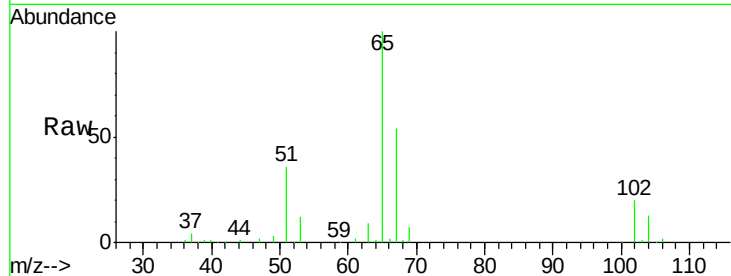
#33
 1,2-Dichloroethane-d4
 Concen: 14.82 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	102.6

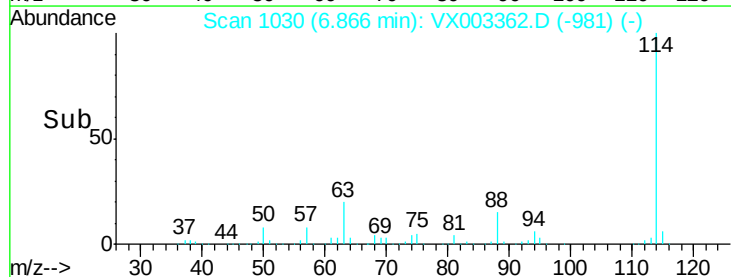
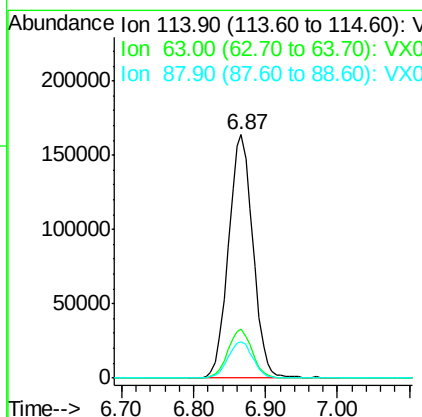
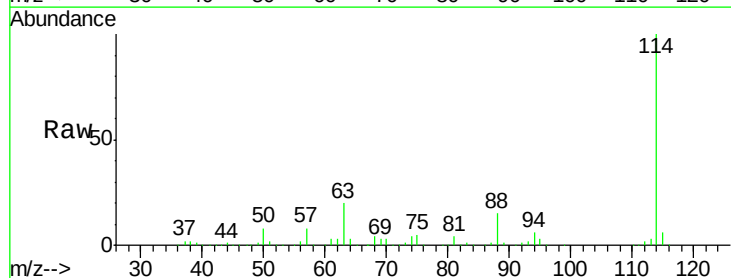
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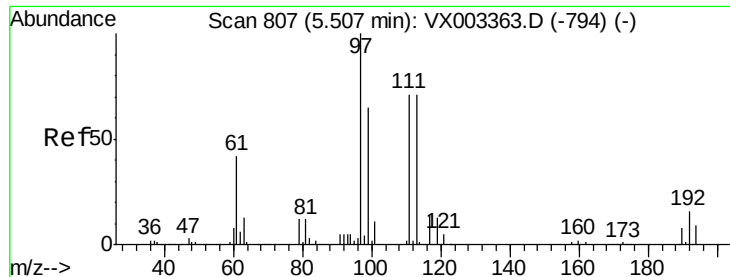
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 7/16/2018 11:24:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.4
88	15.0	0.0	30.0





#35

Dibromofluoromethane

Concen: 13.03 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

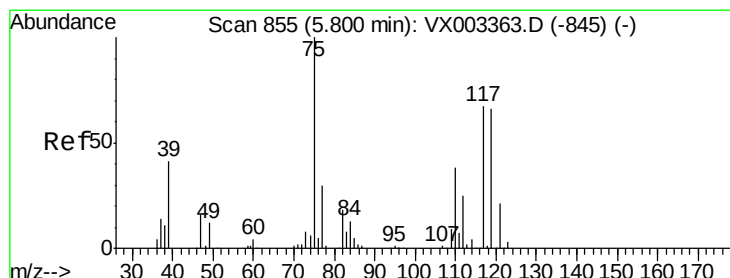
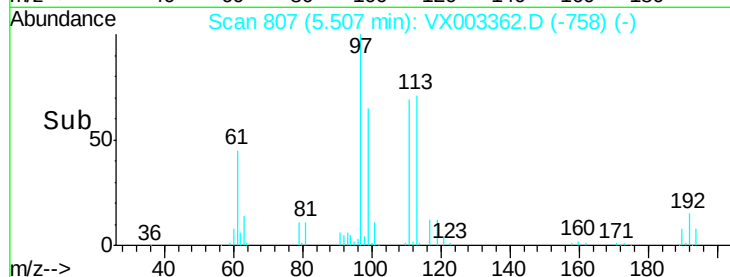
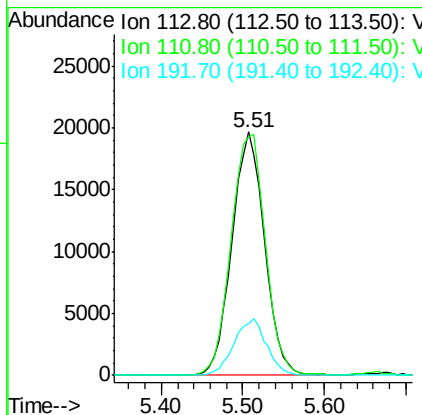
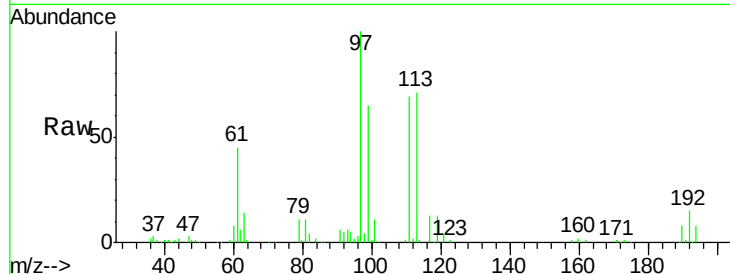
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	54197
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.4	122.0
192	23.3	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 14.48 ug/l

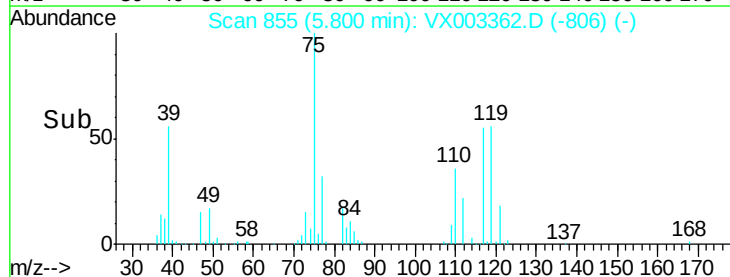
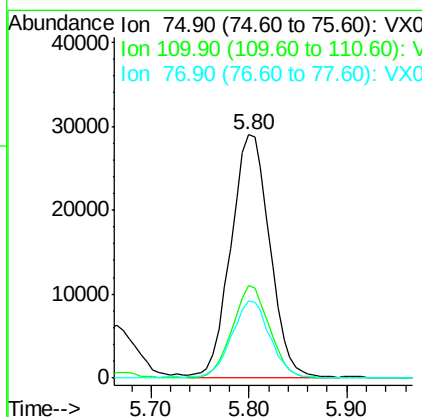
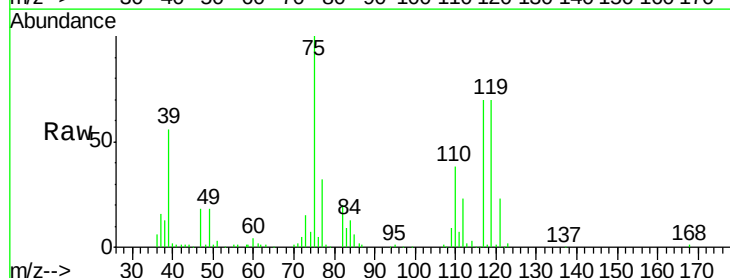
RT: 5.80 min Scan# 855

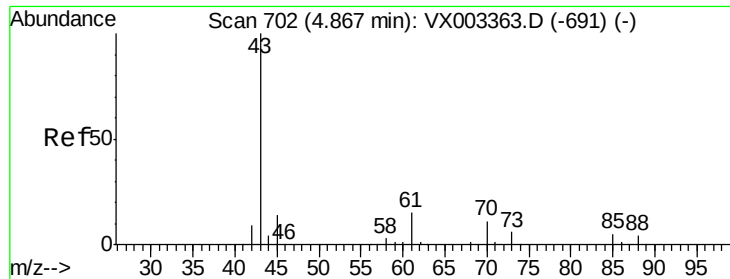
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	75	Resp:	79357
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.4
77	31.6	24.3	36.5





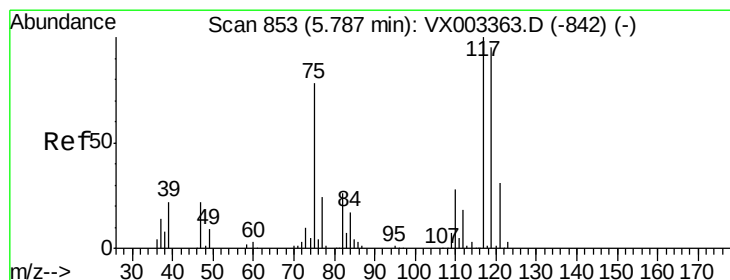
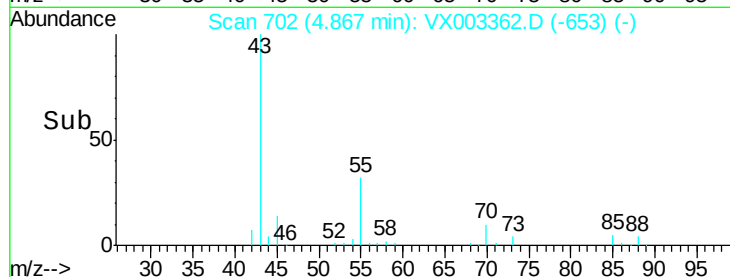
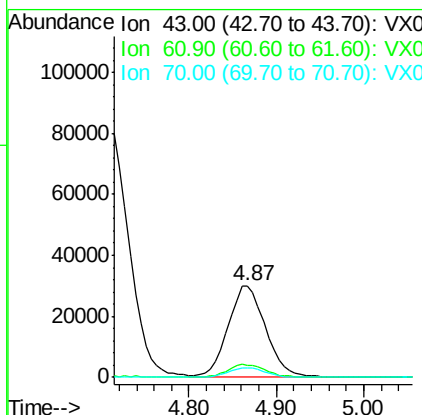
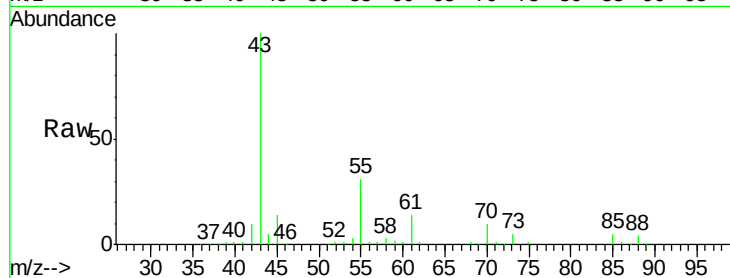
#37
Ethyl Acetate
Concen: 14.70 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	88338
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.4	15.6
70	10.6	7.6	11.4

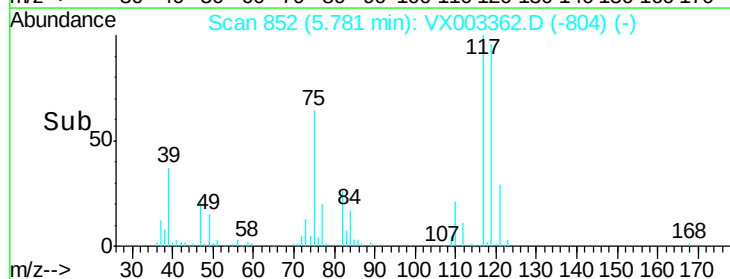
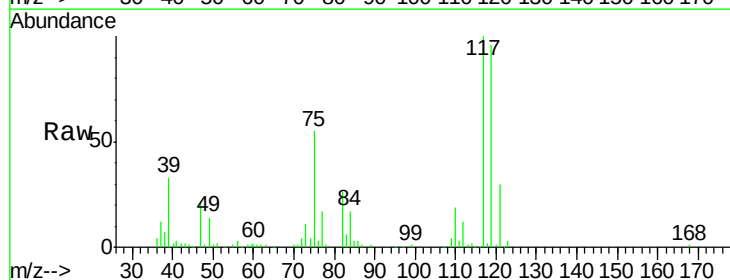
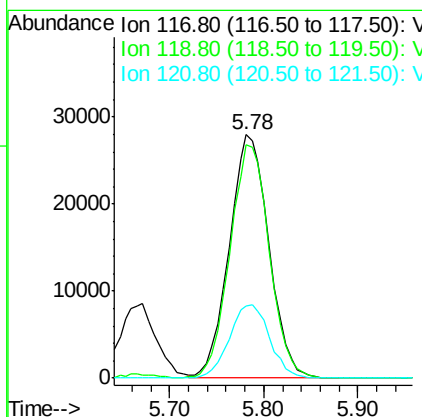
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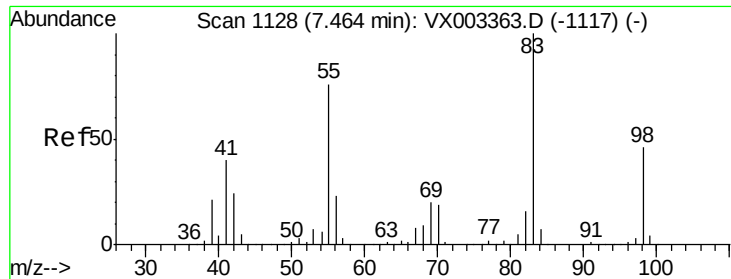
MMDadoda
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#38
Carbon Tetrachloride
Concen: 13.64 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion:	117	Resp:	81805
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
121	29.6	24.4	36.6





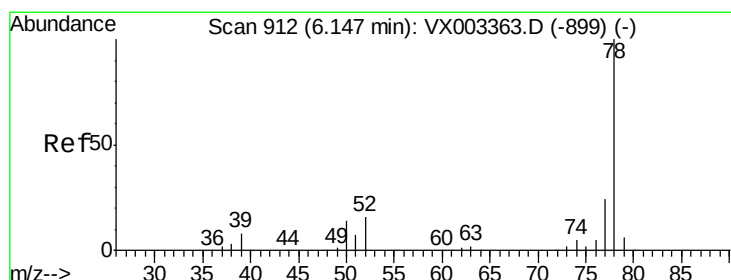
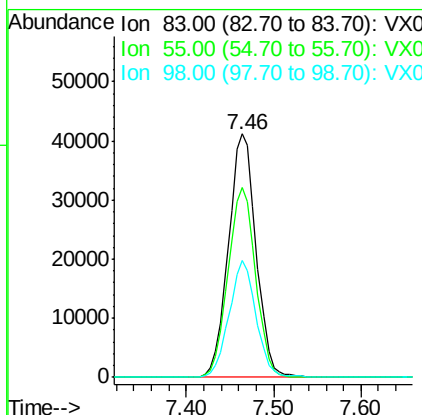
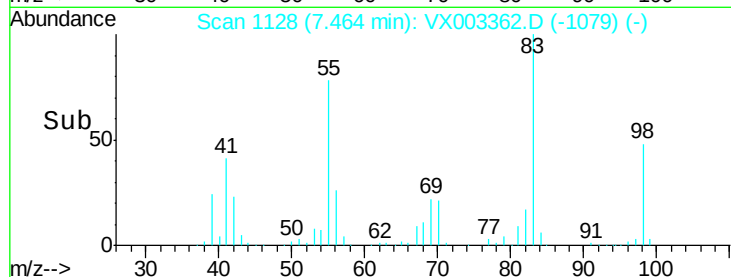
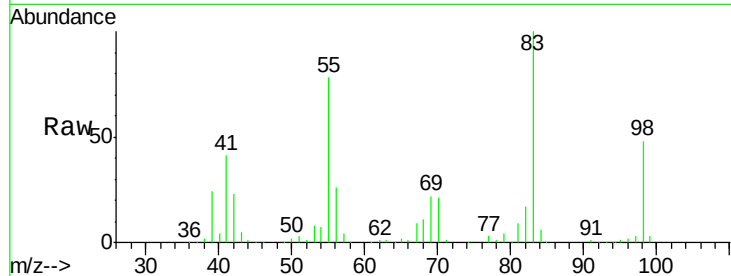
#39
Methylvlcyclohexane
Concen: 13.99 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	90343
Ion Ratio	Lower	Upper	
83	100		
55	77.8	65.4	98.0
98	48.1	37.4	56.0

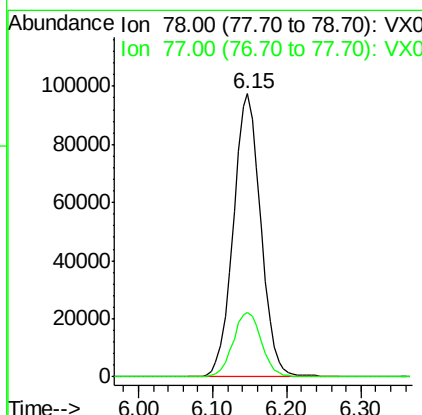
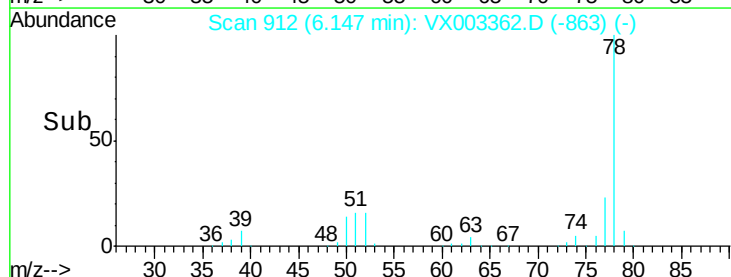
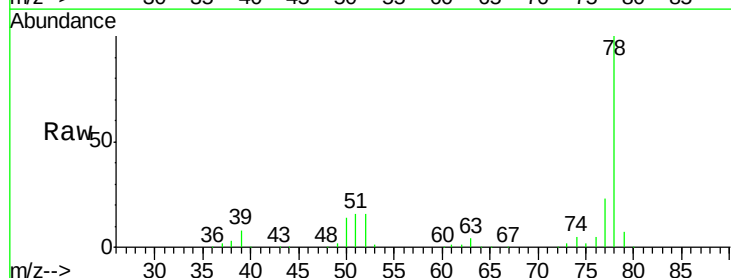
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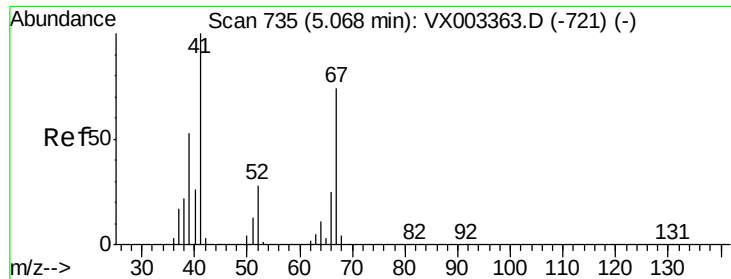
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#40
Benzene
Concen: 15.53 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	78	Resp	252239
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.1	28.7





#41

Methacrylonitrile

Concen: 15.41 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

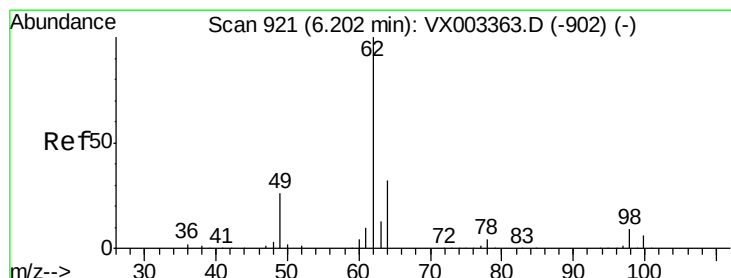
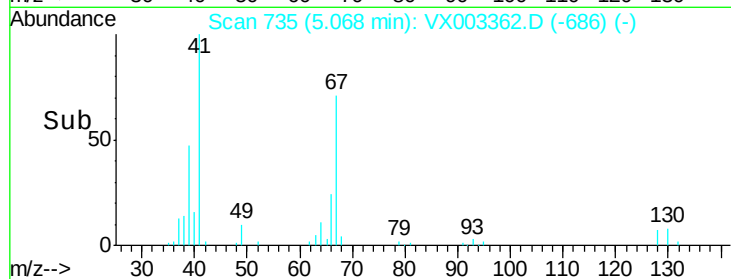
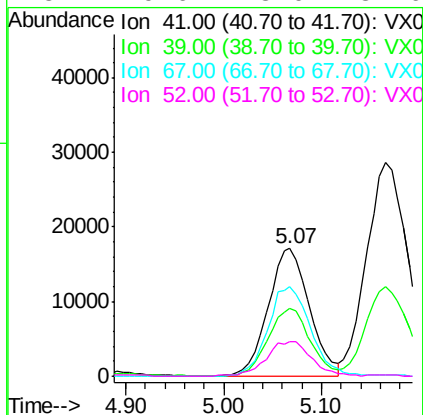
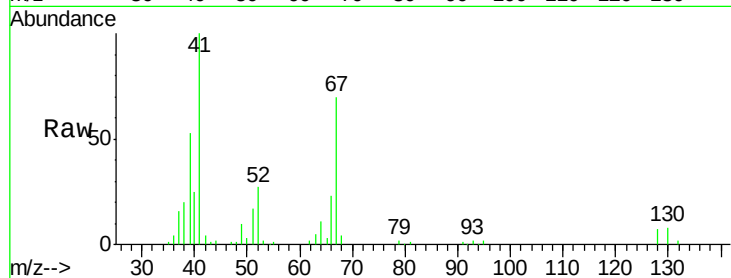
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	45.8	68.6	
67	71.8	51.3	76.9	
52	29.6	23.0	34.6	

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#42

1,2-Dichloroethane

Concen: 14.91 ug/l

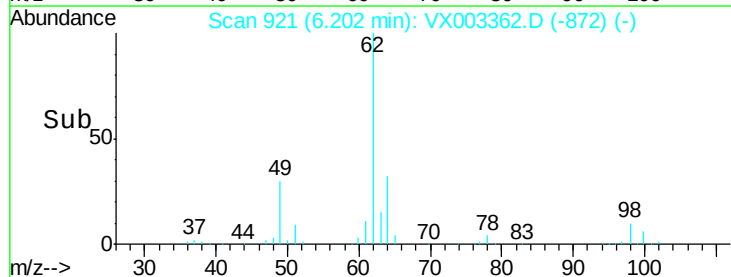
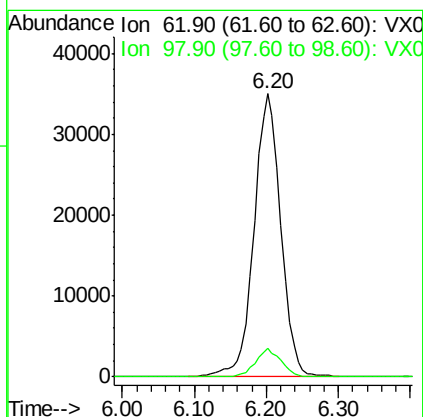
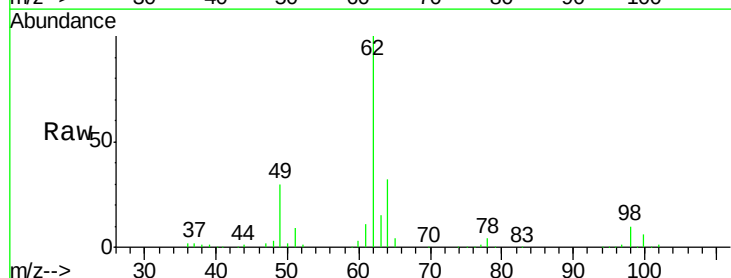
RT: 6.20 min Scan# 921

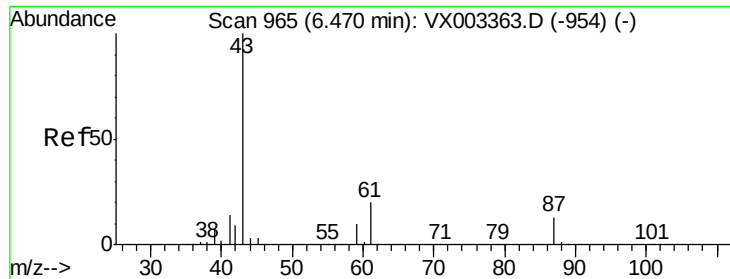
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	16.6	





#43

Isopropyl Acetate

Concen: 14.65 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

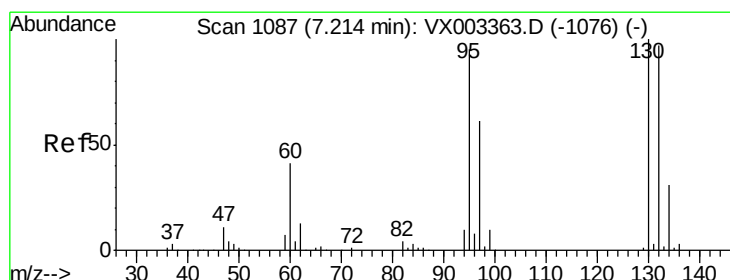
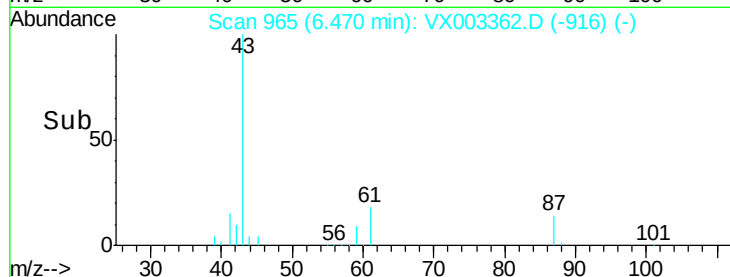
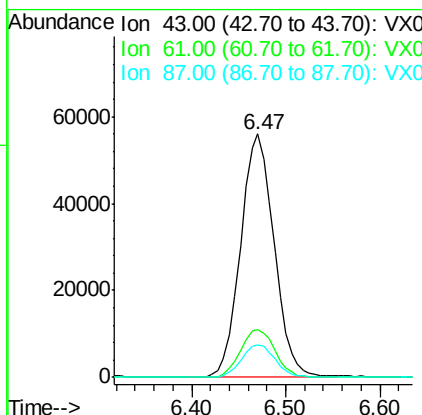
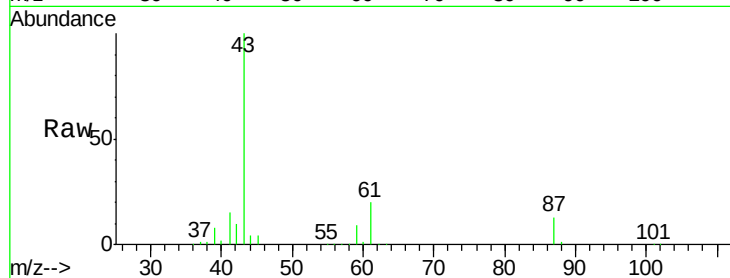
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	138254
Ion	Ratio	Lower	Upper
43	100		
61	20.3	14.4	21.6
87	13.6	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 14.49 ug/l

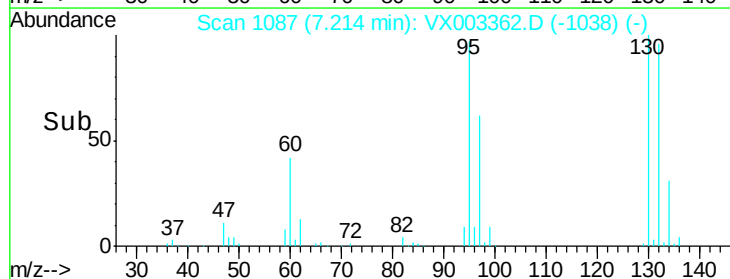
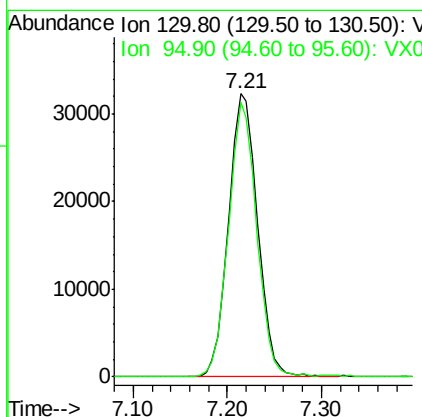
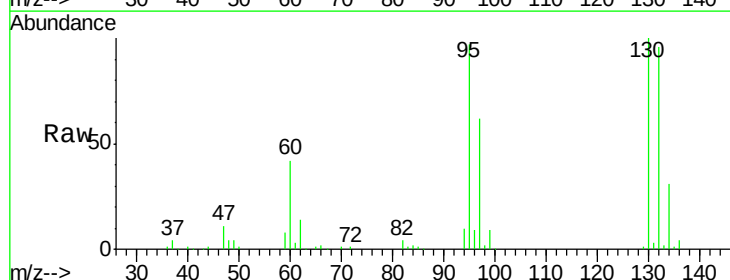
RT: 7.21 min Scan# 1087

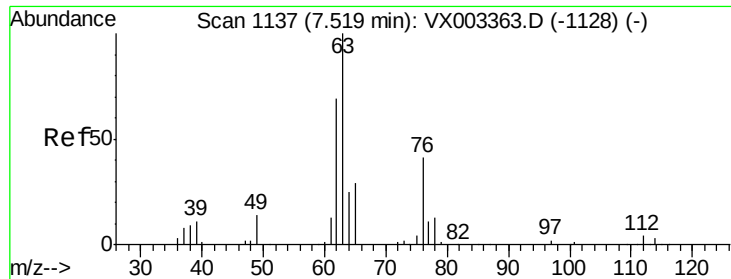
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	130	Resp:	69584
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	185.4





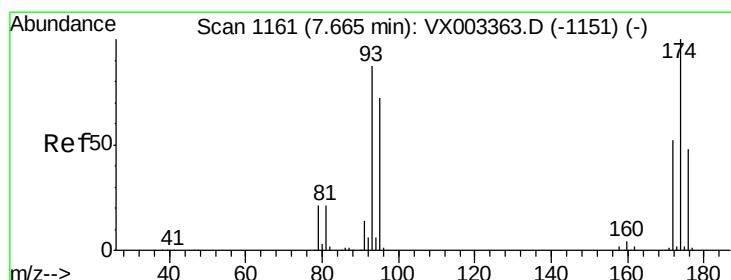
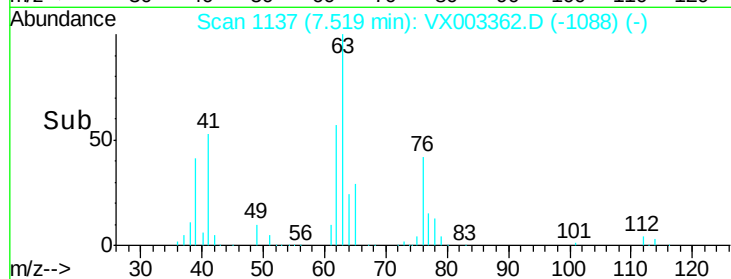
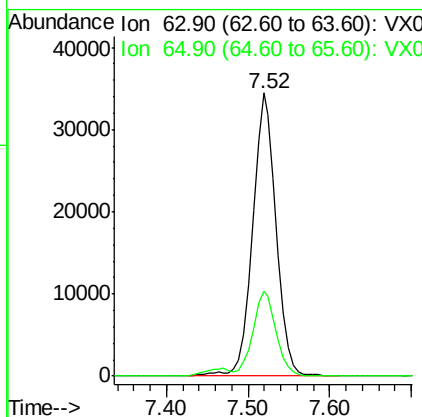
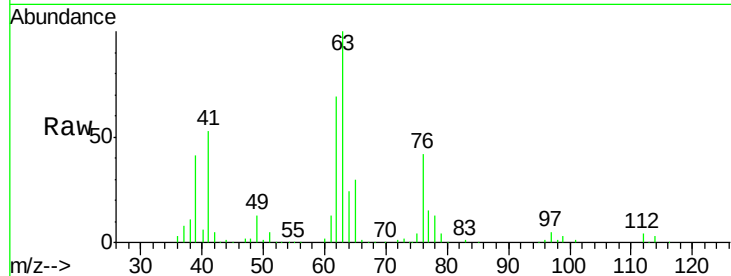
#45
 1,2-Dichloropropane
 Concen: 16.41 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 69316
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1

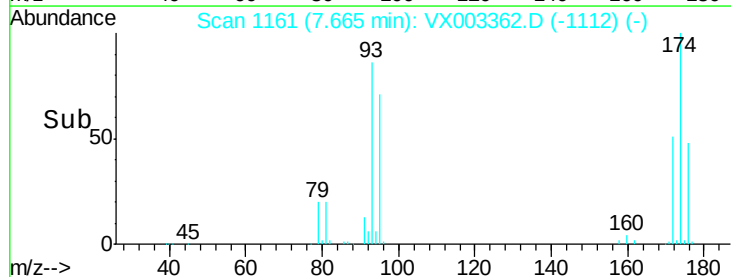
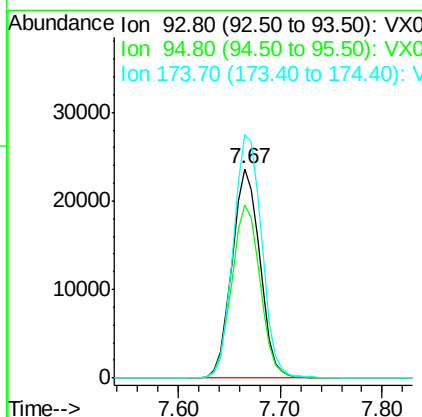
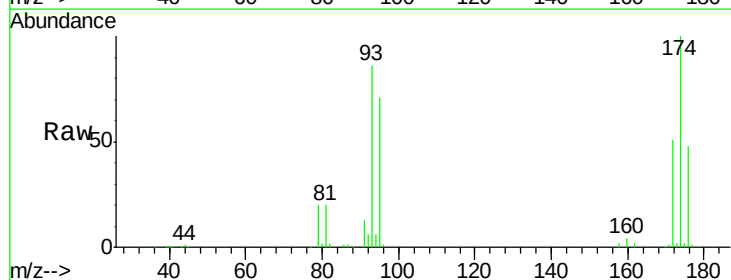
Manual Integrations
 APPROVED

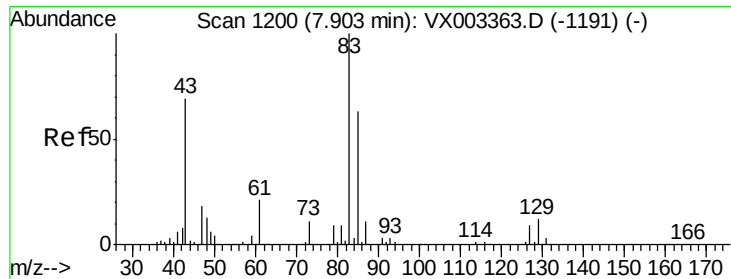
MMDadoda
 7/16/2018 11:24:40 AM



#46
 Dibromomethane
 Concen: 15.51 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion: 93 Resp: 44654
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.9 98.9
 174 118.2 92.4 138.6





#47

Bromodichloromethane

Concen: 15.66 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

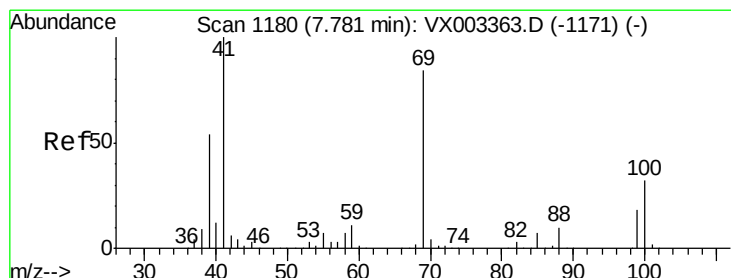
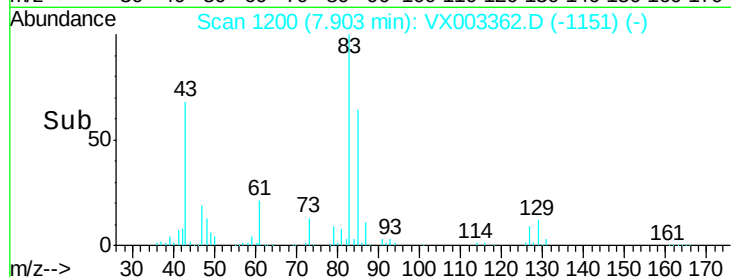
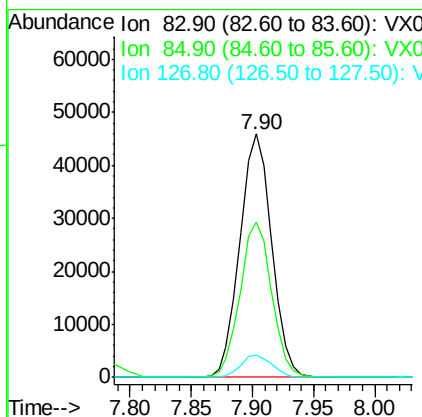
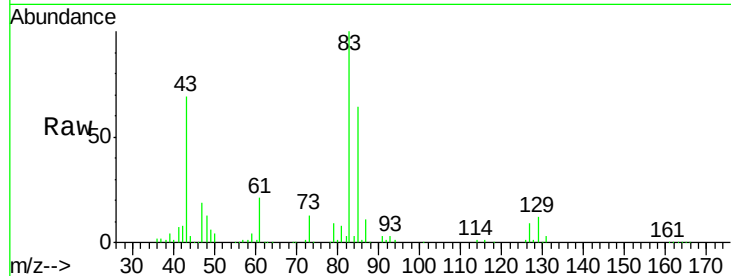
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	83170
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
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MMDadoda
7/16/2018 11:24:40 AM



#48

Methyl methacrylate

Concen: 14.87 ug/l

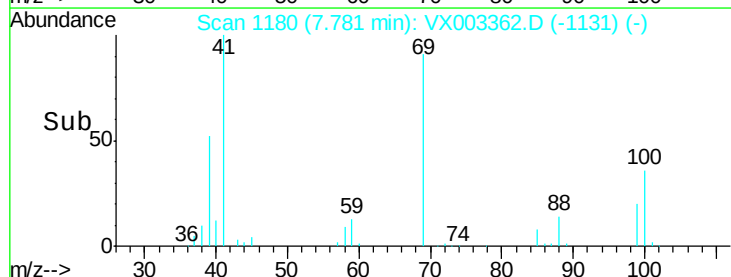
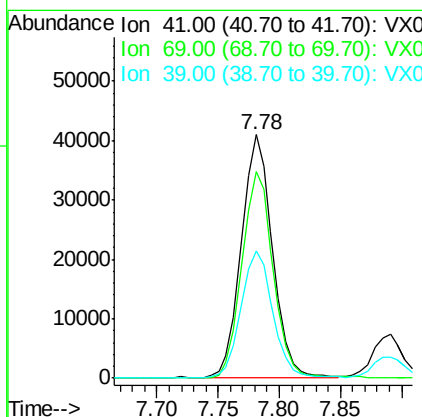
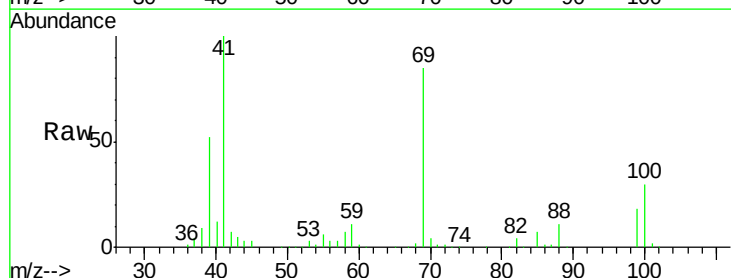
RT: 7.78 min Scan# 1180

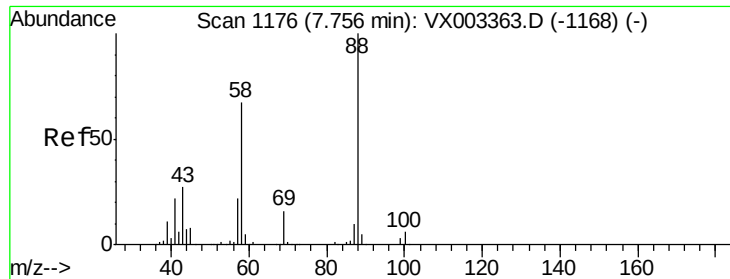
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	41	Resp:	71970
Ion	Ratio	Lower	Upper
41	100		
69	86.3	59.1	88.7
39	53.3	48.9	73.3





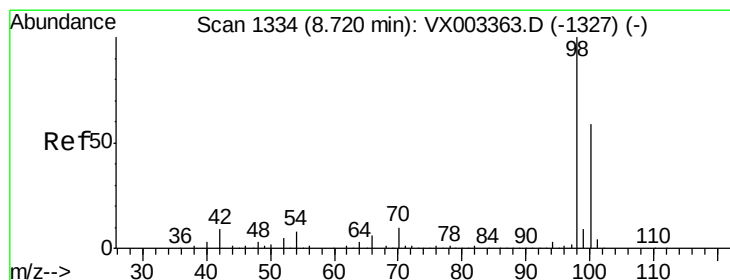
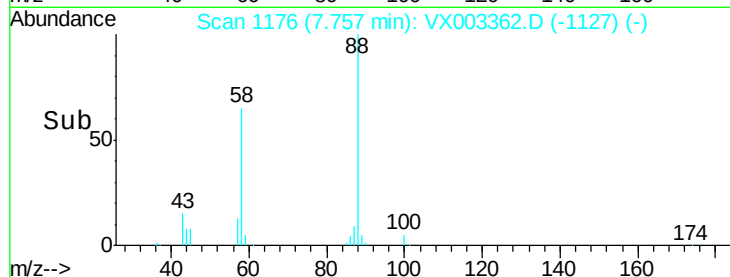
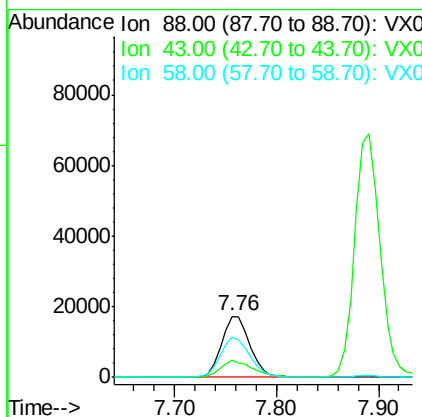
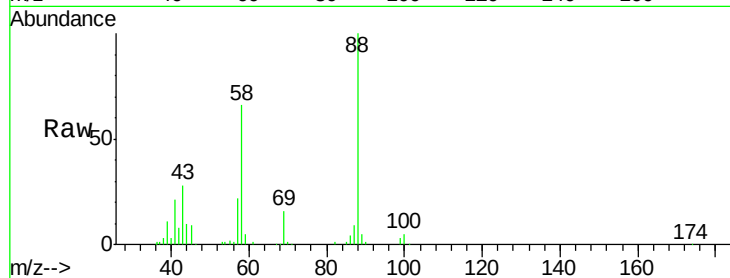
#49
1,4-Dioxane
Concen: 330.98 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	29.8	44.6
58	68.6	57.1	85.7

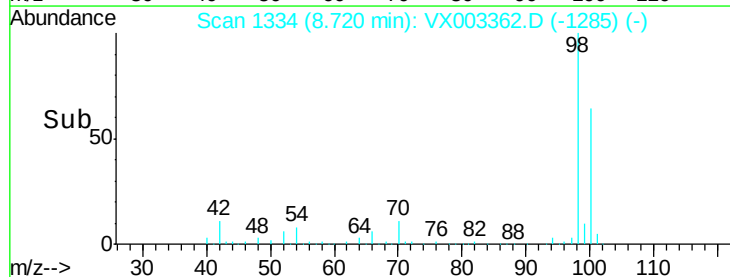
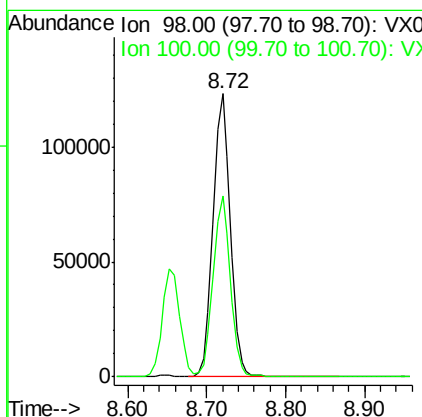
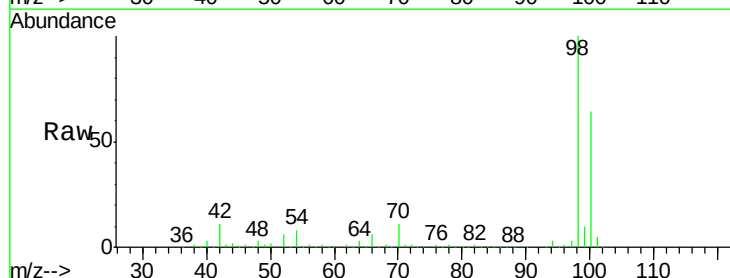
Manual Integrations
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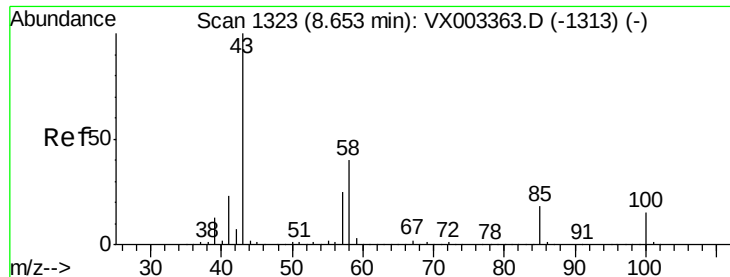
MMDadoda
7/16/2018 11:24:40 AM



#50
Toluene-d8
Concen: 12.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 79.93 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 469512

Ion Ratio Lower Upper

43 100

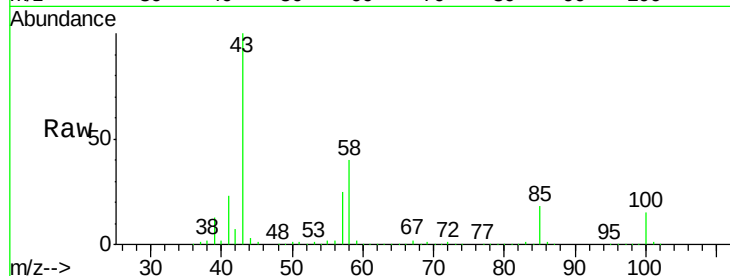
58 39.7 28.6 42.8

Manual Integrations

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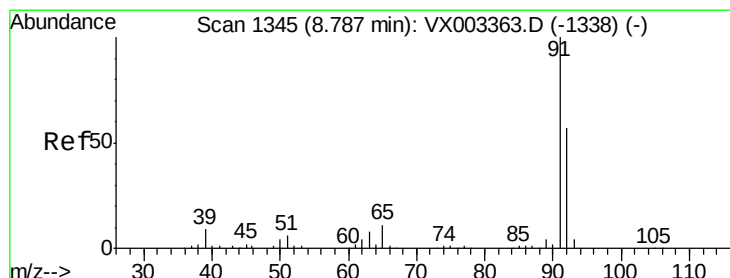
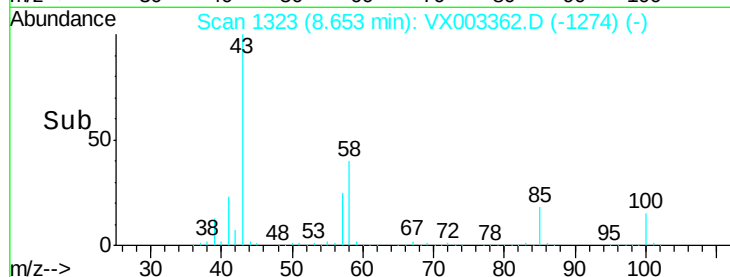
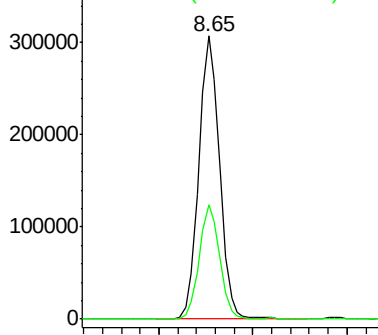
MMDadoda

7/16/2018 11:24:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 15.54 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003362.D

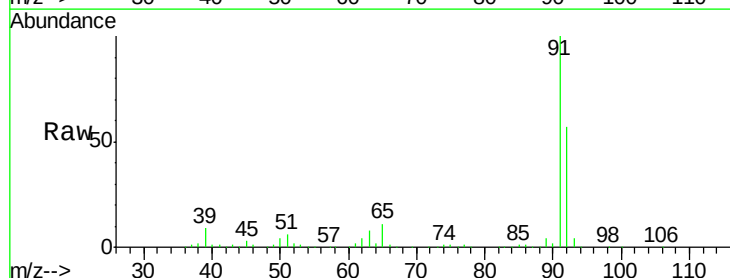
Acq: 13 Jul 2018 12:26

Tgt Ion: 92 Resp: 159546

Ion Ratio Lower Upper

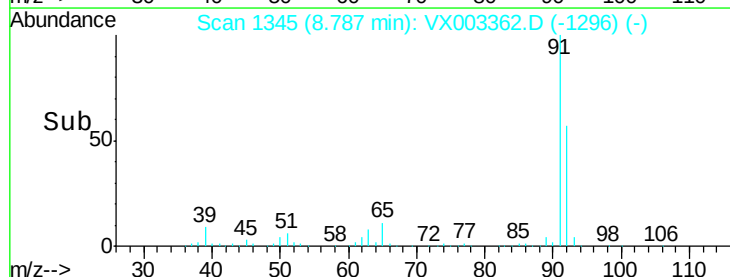
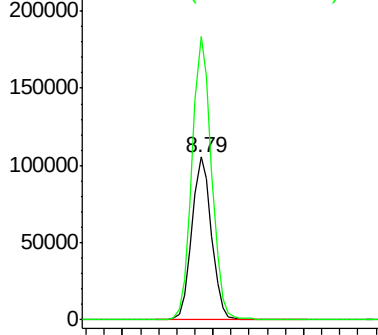
92 100

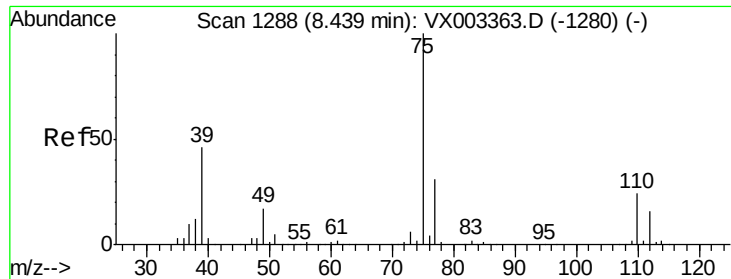
91 173.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





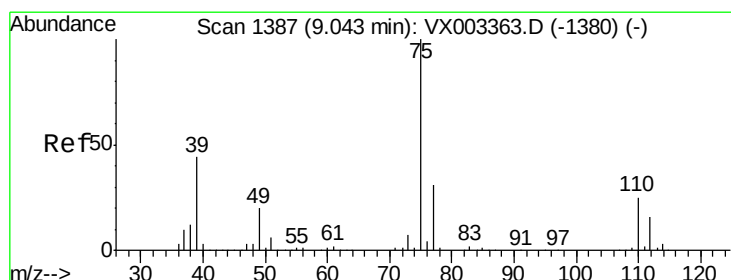
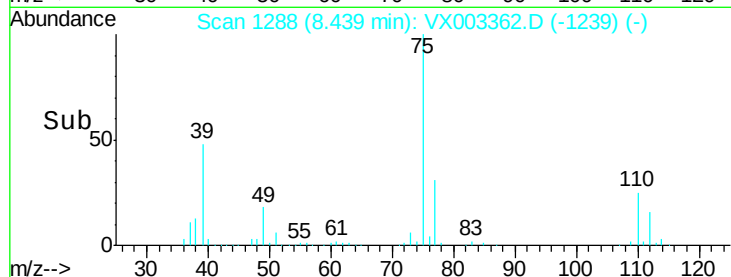
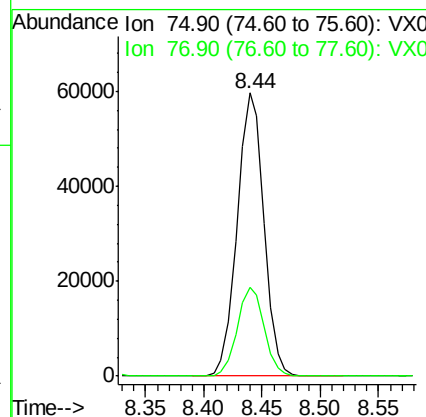
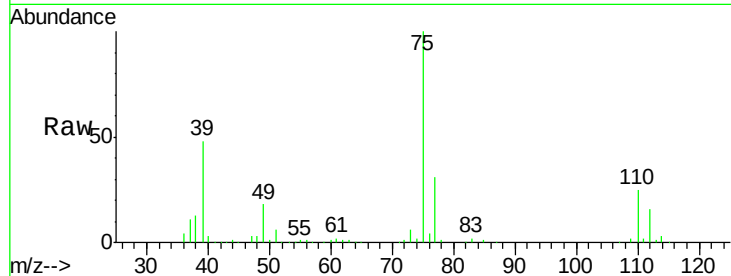
#53
t-1,3-Dichloropropene
Concen: 15.25 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 95285
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

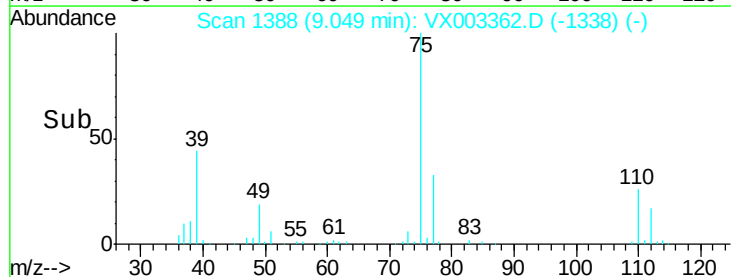
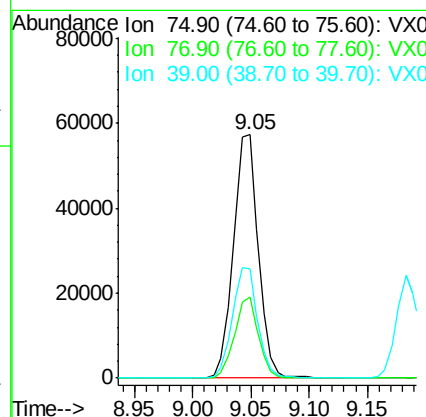
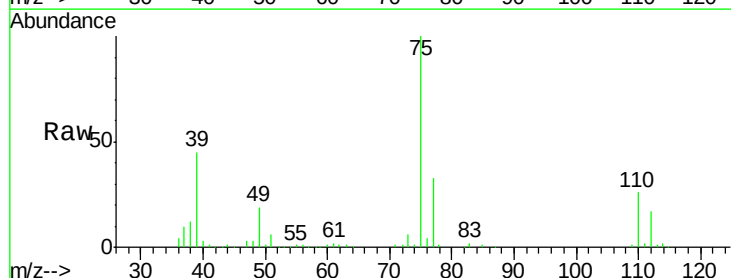
Manual Integrations
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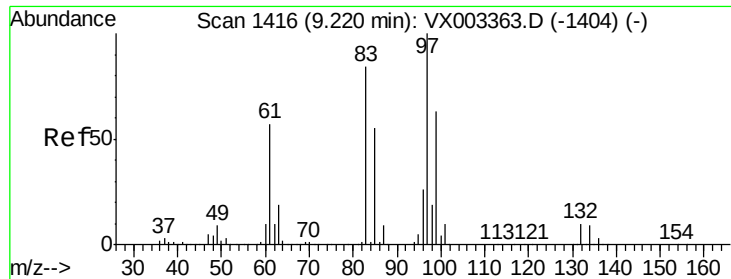
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 15.02 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion: 75 Resp: 85456
Ion Ratio Lower Upper
75 100
77 33.1 24.8 37.2
39 44.4 42.4 63.6





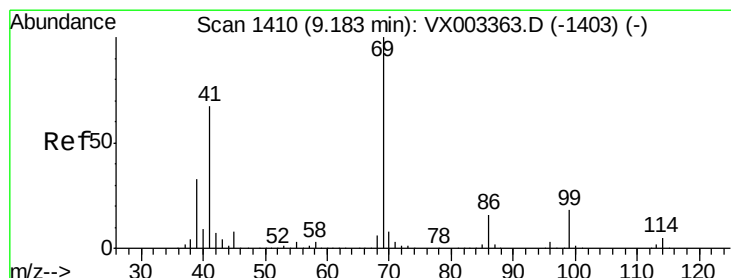
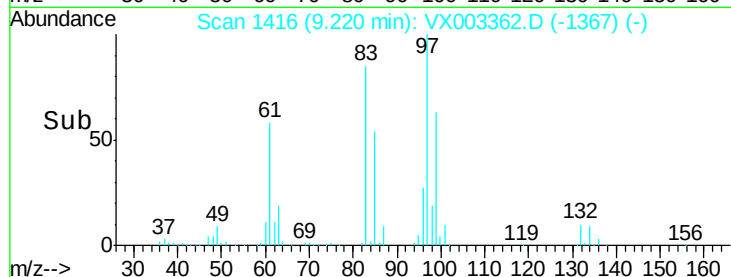
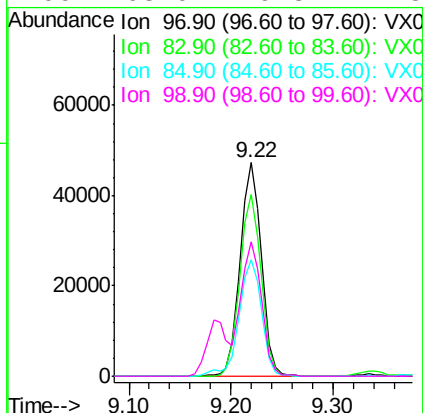
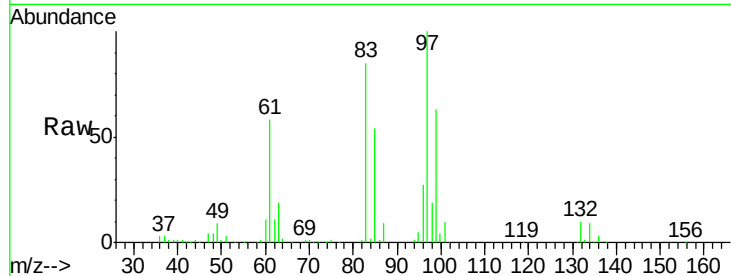
#55
1,1,2-Trichloroethane
Concen: 15.90 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	97	Resp:	67726
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.2
85	54.3	44.9	67.3
99	63.0	49.8	74.8

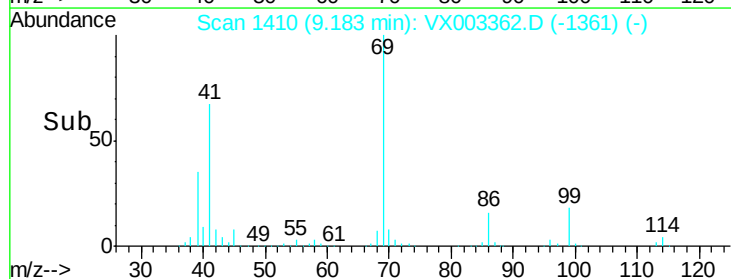
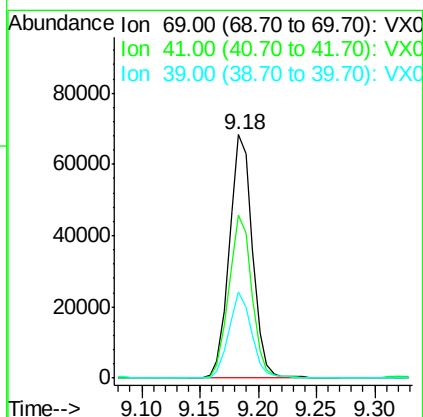
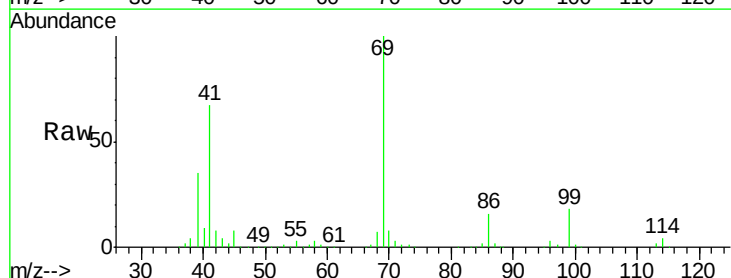
Manual Integrations
APPROVED

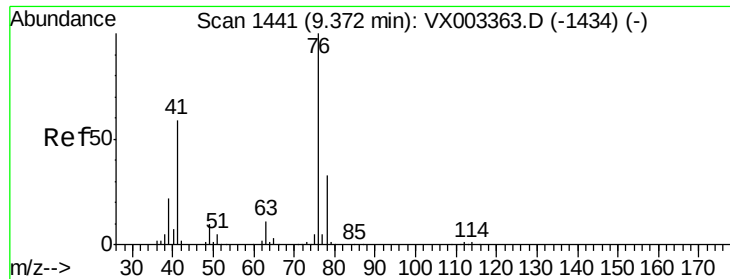
MMDadoda
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#56
Ethyl methacrylate
Concen: 16.18 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion:	69	Resp:	94427
Ion	Ratio	Lower	Upper
69	100		
41	67.2	60.3	90.5
39	34.8	35.8	53.8#





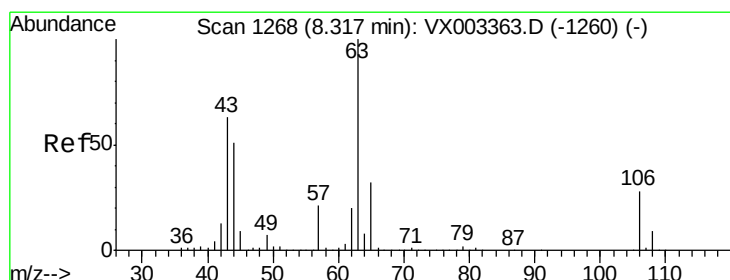
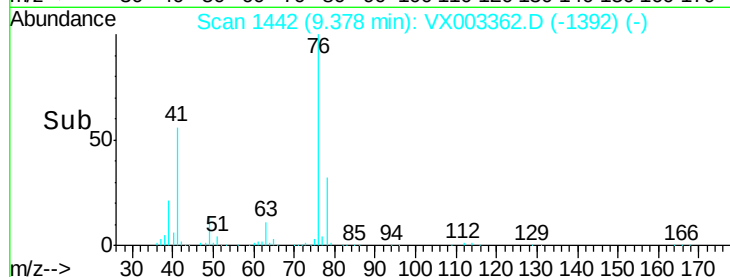
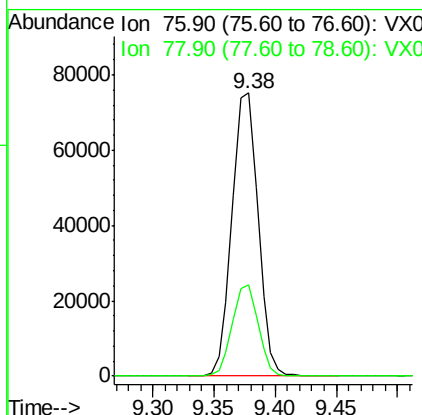
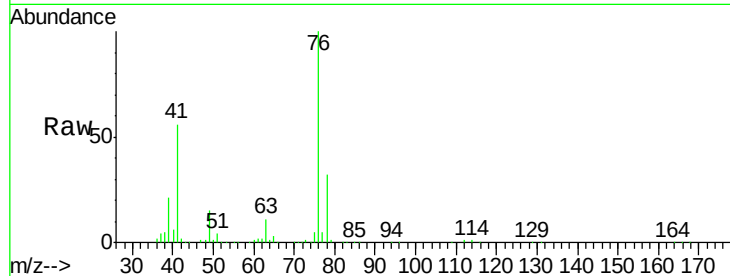
#57
 1,3-Dichloropropane
 Concen: 16.19 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 111089
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

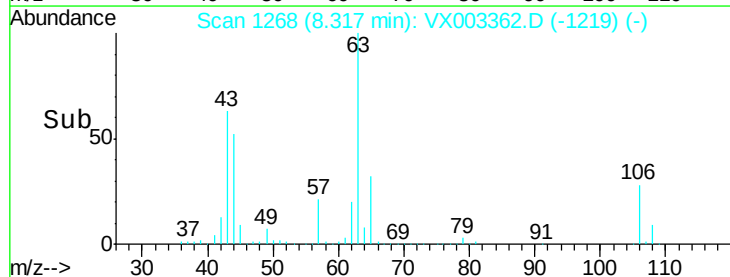
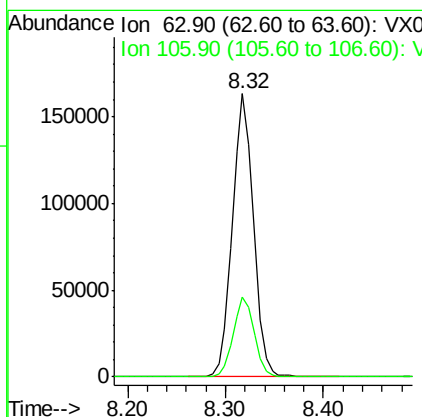
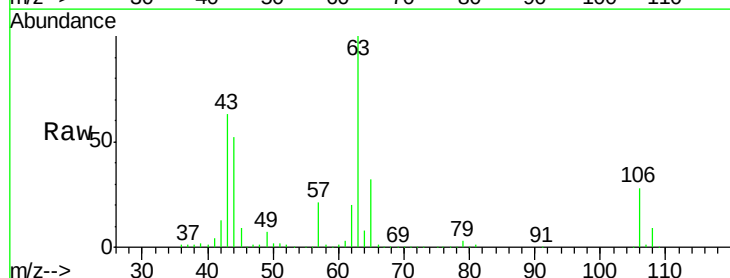
Manual Integrations
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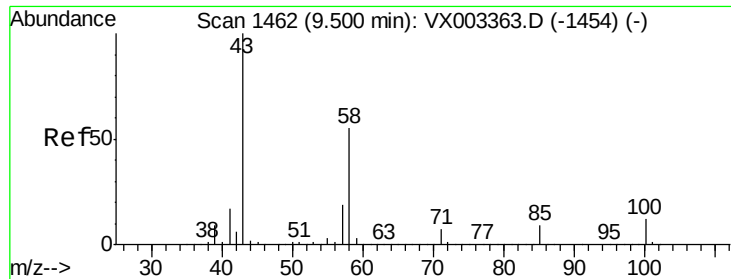
MMDadoda
 7/16/2018 11:24:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.73 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion: 63 Resp: 244082
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.8





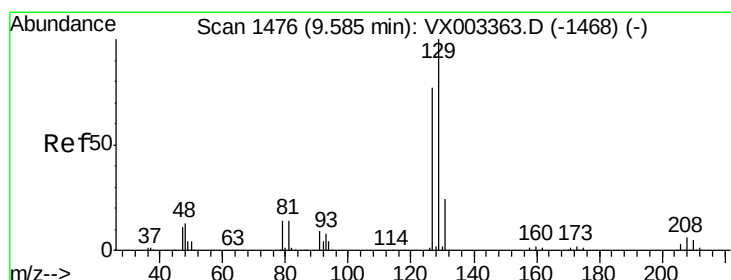
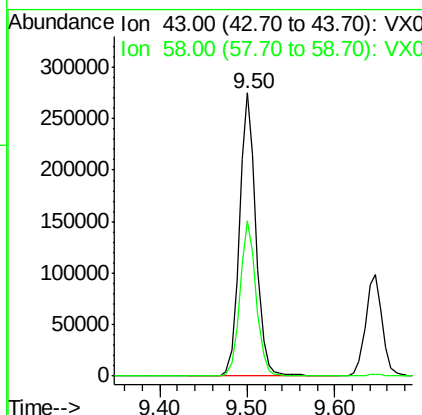
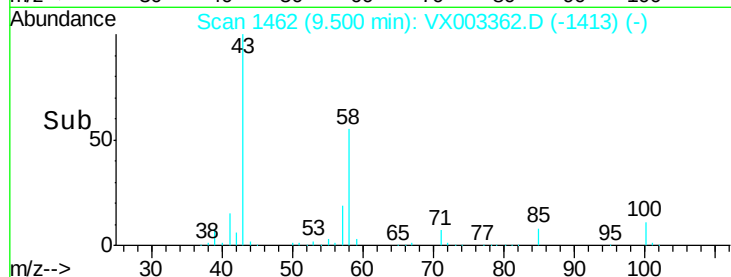
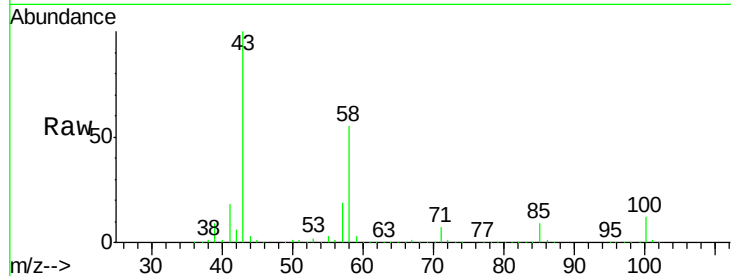
#59
2-Hexanone
Concen: 81.00 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 361395
Ion Ratio Lower Upper
43 100
58 54.6 24.6 73.6

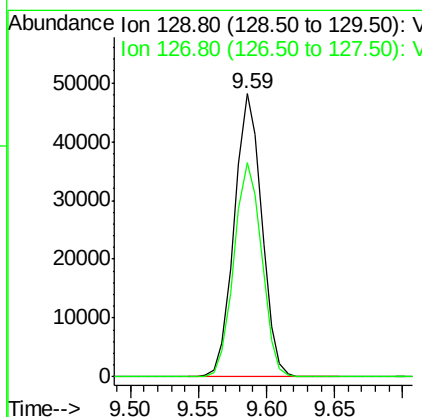
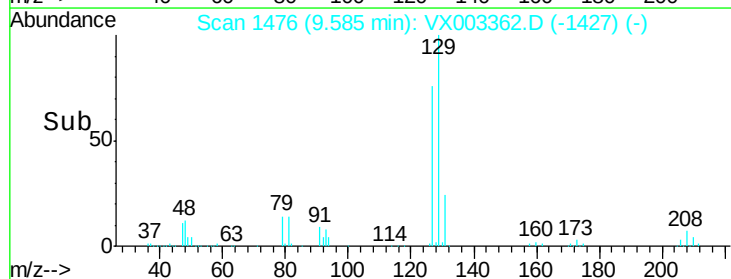
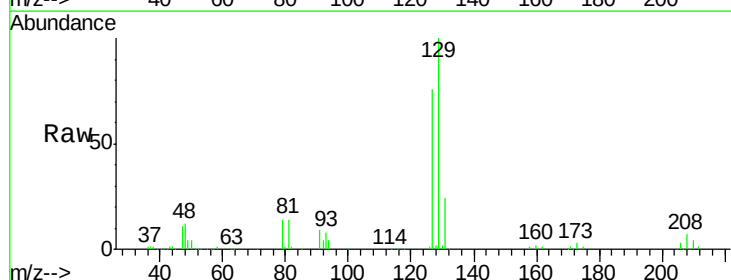
Manual Integrations
APPROVED

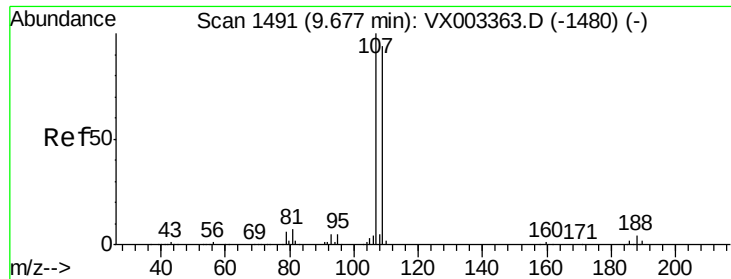
MMDadoda
7/16/2018 11:24:40 AM



#60
Dibromochloromethane
Concen: 15.24 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion: 129 Resp: 67798
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.3





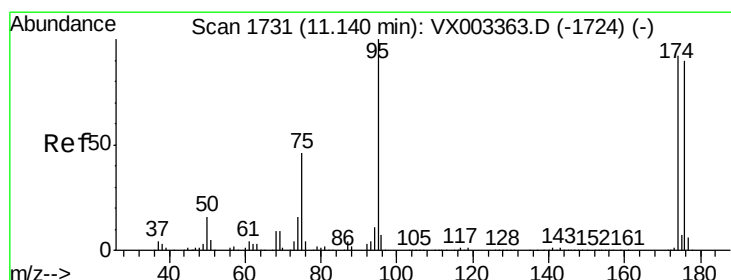
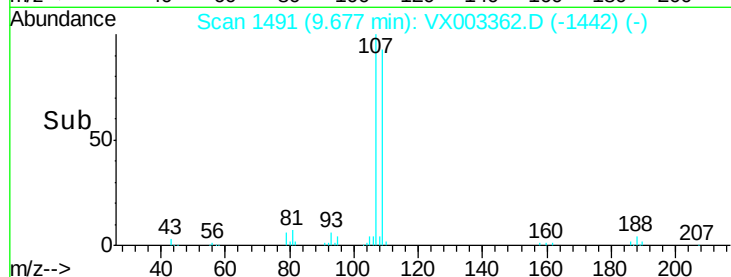
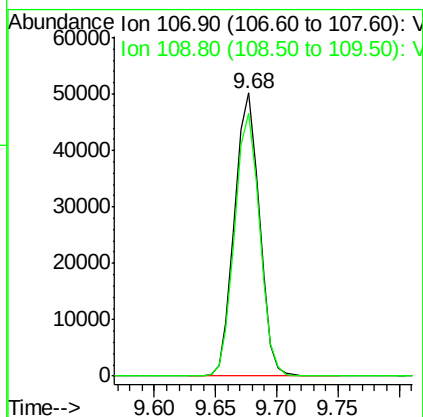
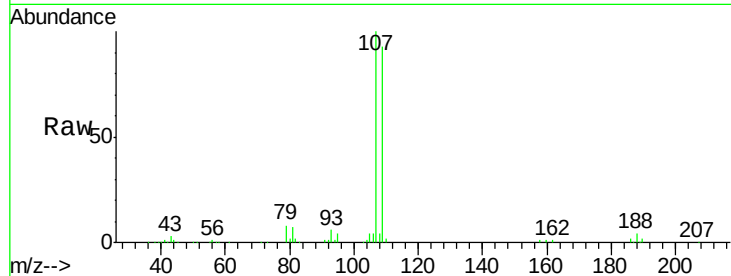
#61
 1,2-Dibromoethane
 Concen: 15.87 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 70865
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.3 112.9

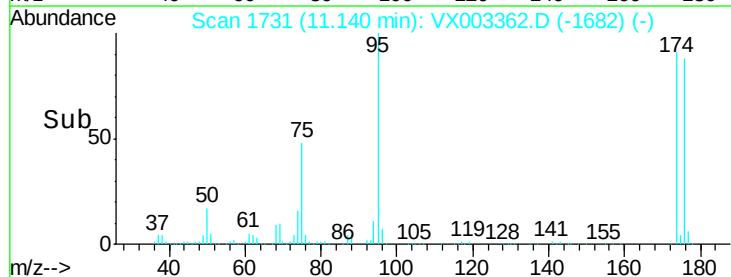
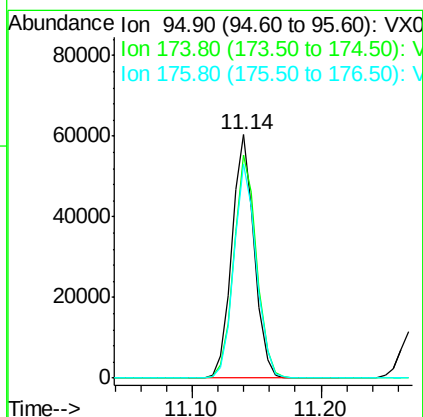
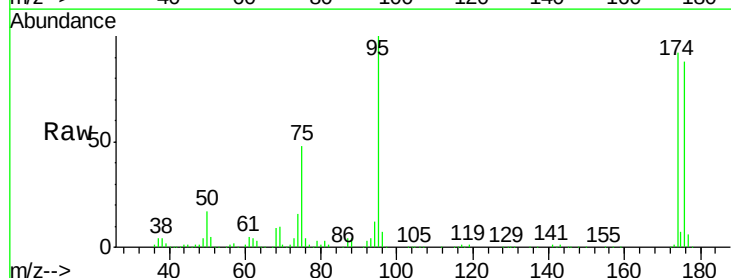
Manual Integrations
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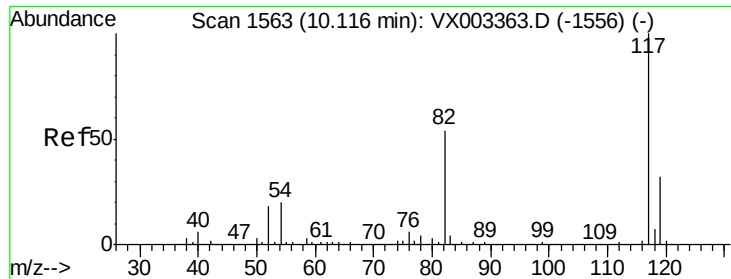
MMDadoda
 7/16/2018 11:24:40 AM



#62
 4-Bromofluorobenzene
 Concen: 13.41 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion: 95 Resp: 73233
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 187.4
 176 88.6 0.0 181.0





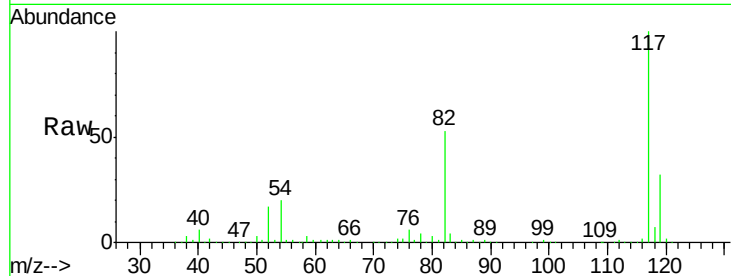
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

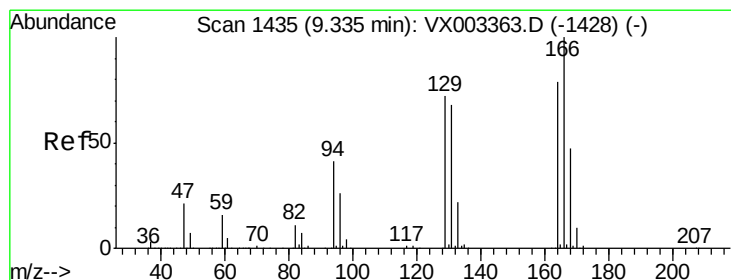
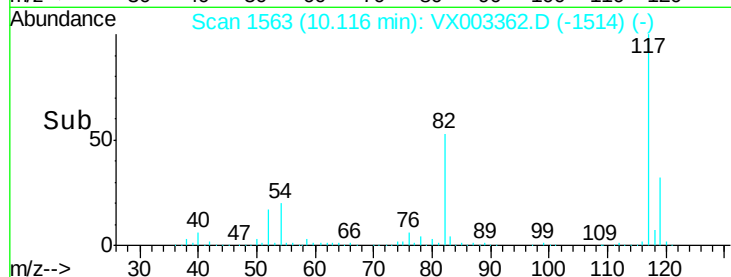
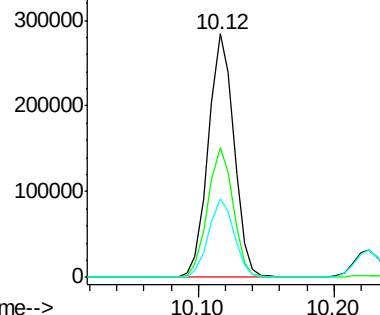
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.0	67.4
119	32.0	25.8	38.6

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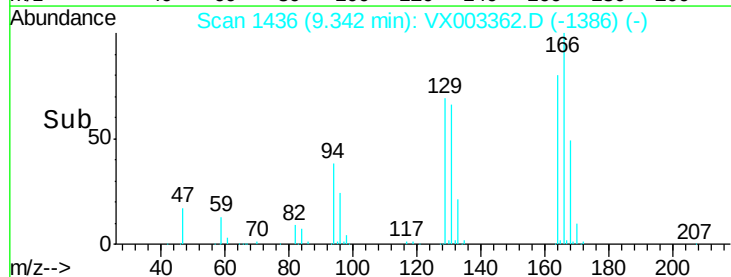
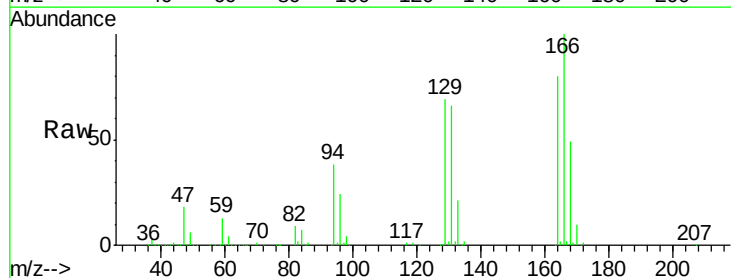
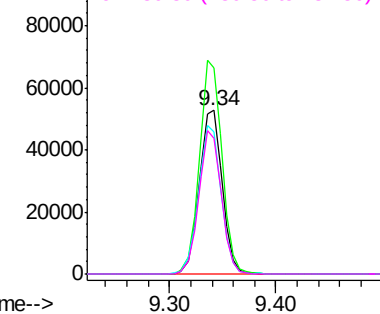
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

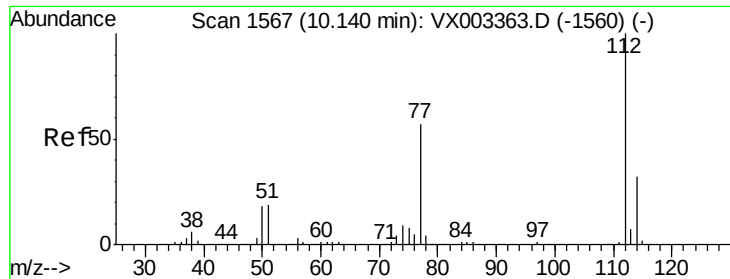


#64
Tetrachloroethene
Concen: 14.10 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.9	154.3
129	87.1	68.6	102.8
131	82.8	66.8	100.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 14.58 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 185407

Ion Ratio Lower Upper

112 100

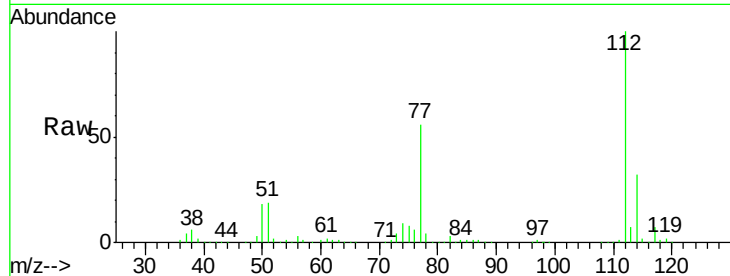
114 32.4 25.3 37.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

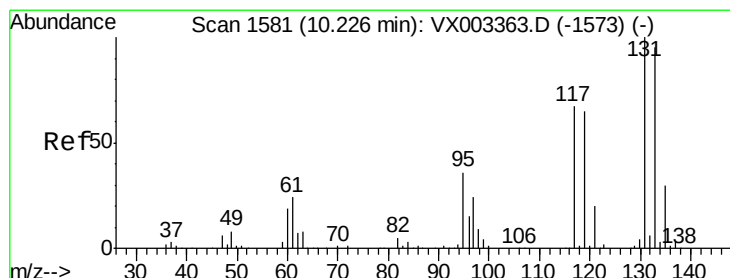
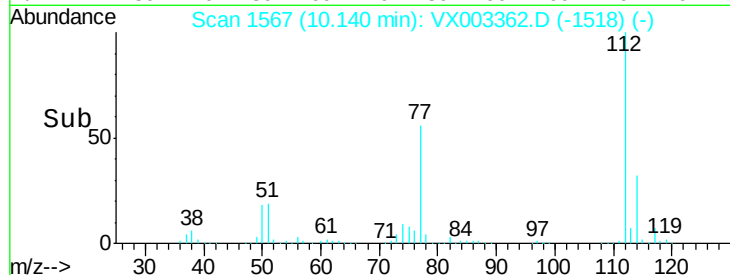
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 14.41 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

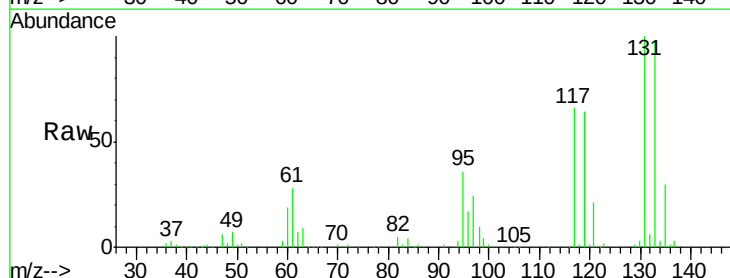
Tgt Ion:131 Resp: 66152

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

119 65.3 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

60000

50000

40000

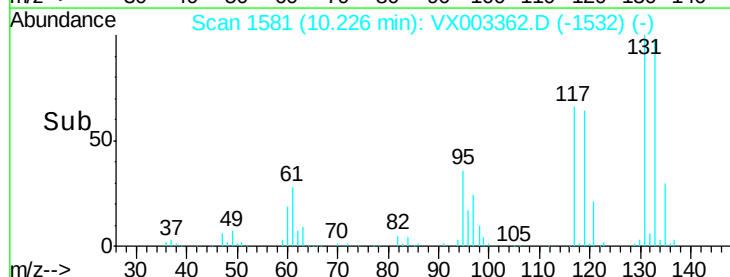
30000

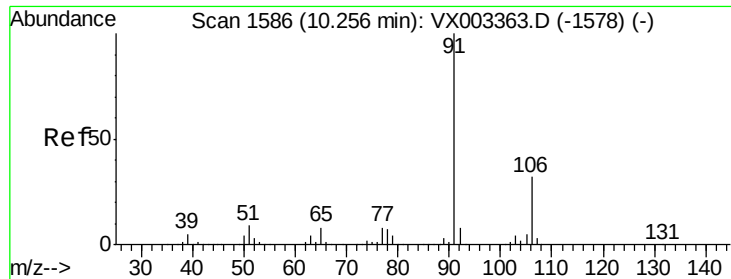
20000

10000

0

Time-->





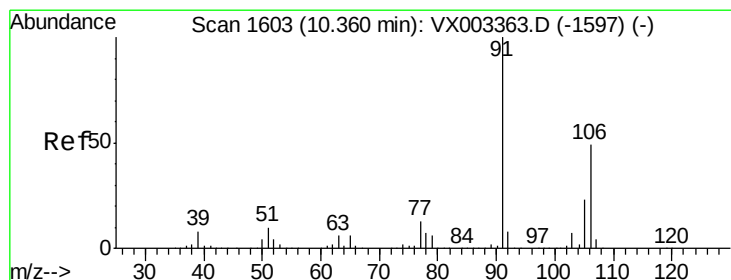
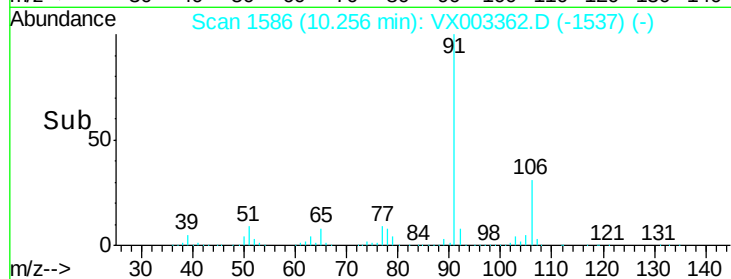
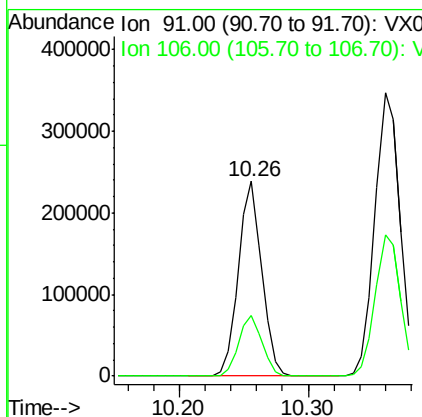
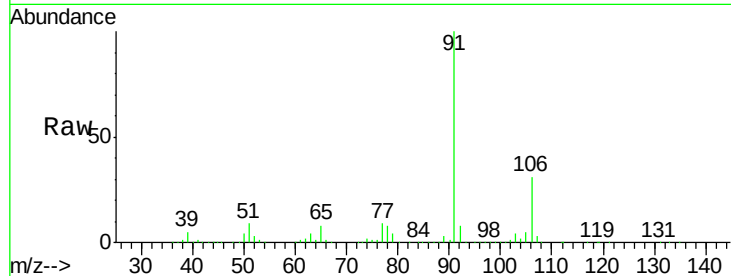
#67
Ethyl Benzene
Concen: 14.68 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 301988
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

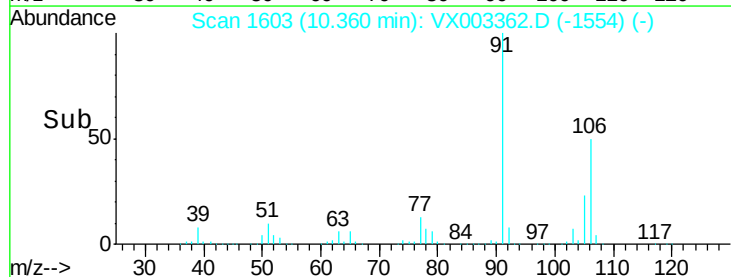
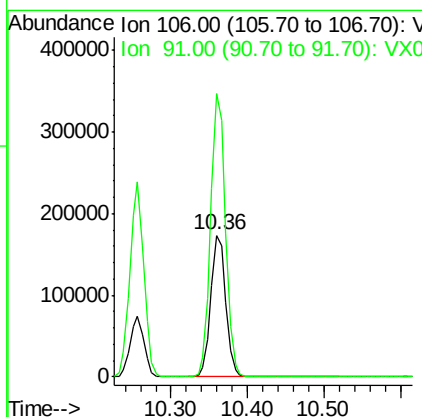
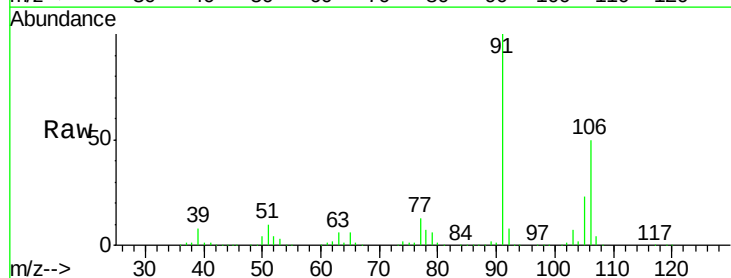
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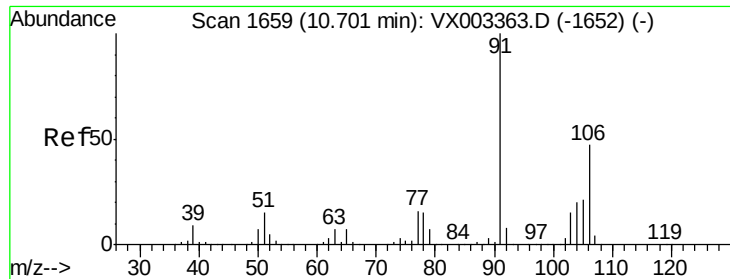
MMDadoda
7/16/2018 11:24:40 AM



#68
m/p-Xylenes
Concen: 29.42 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion: 106 Resp: 235435
Ion Ratio Lower Upper
106 100
91 199.1 163.4 245.2





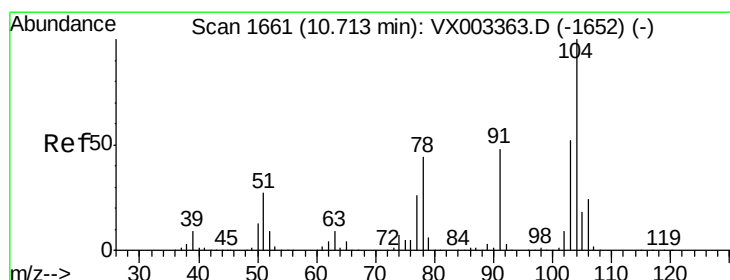
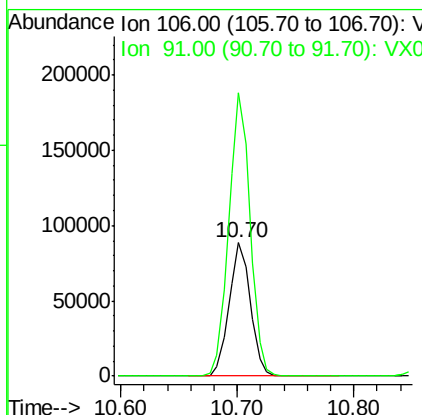
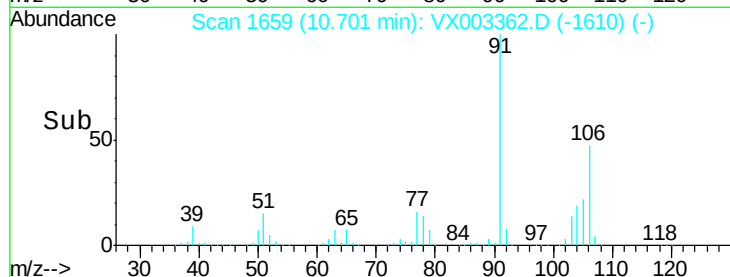
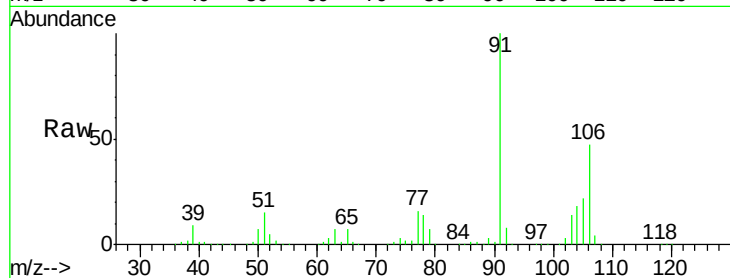
#69
o-Xylene
Concen: 14.55 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.1	108.2	112777	324.6	

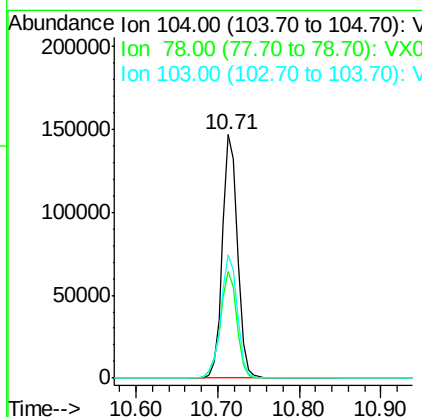
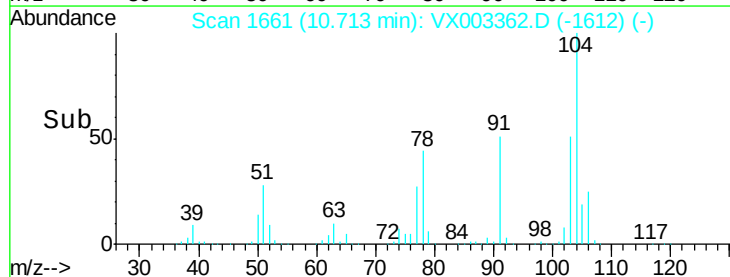
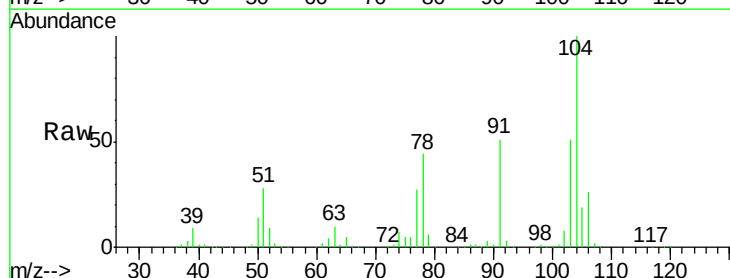
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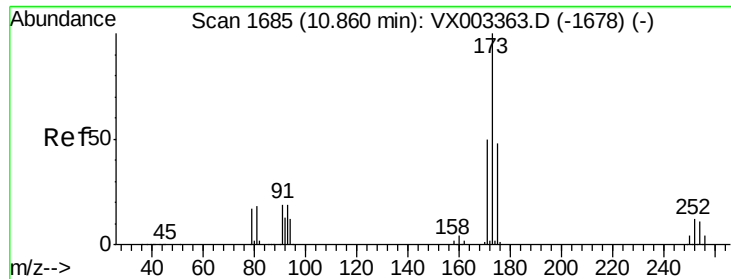
MMDadoda
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#70
Styrene
Concen: 15.14 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.3	41.0	190267	61.6	
103	55.1	44.2		66.4	





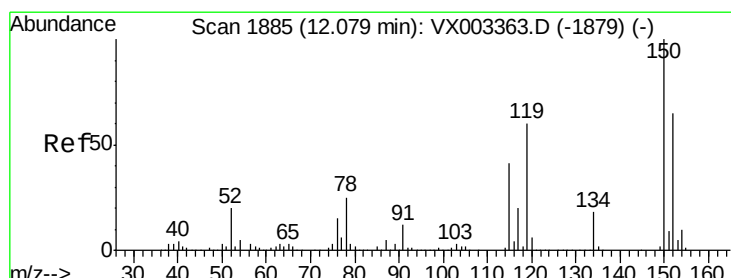
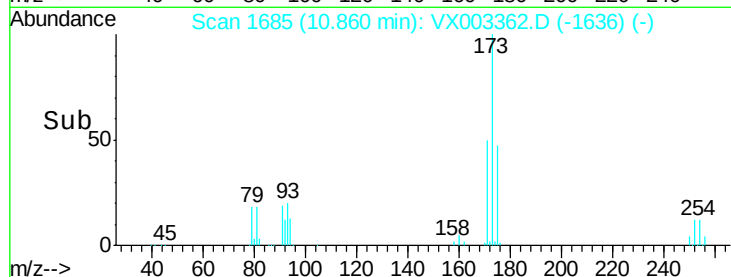
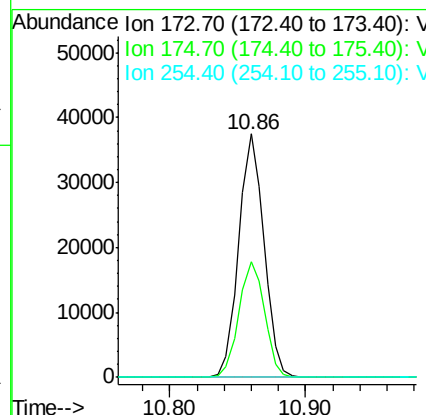
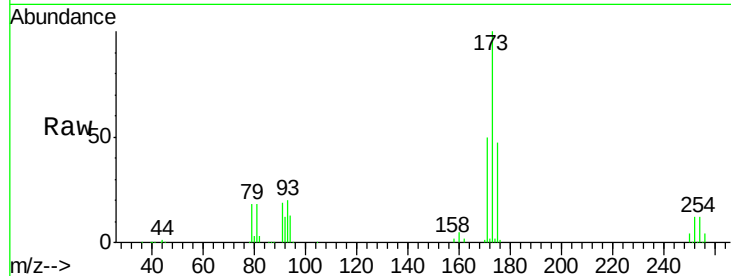
#71
Bromoform
Concen: 12.84 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.7	74.1
254	0.3	0.2	0.2

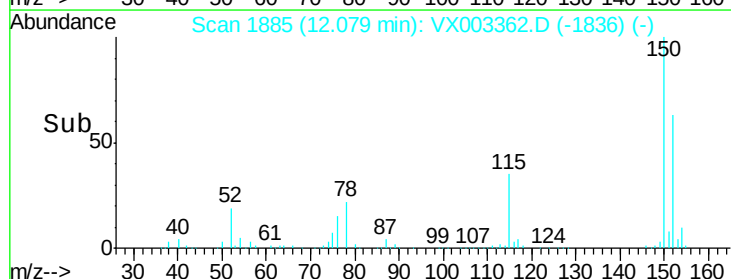
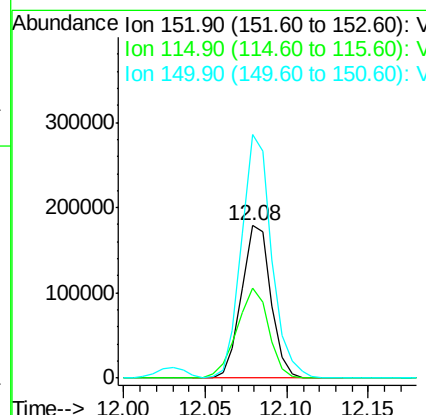
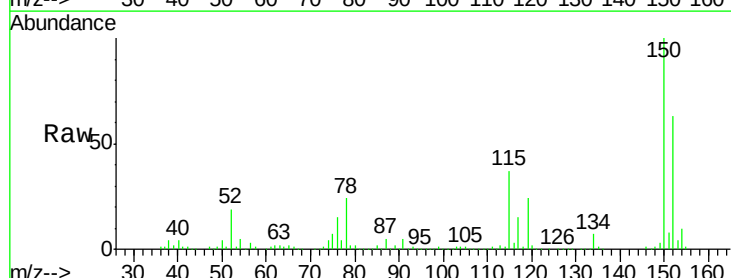
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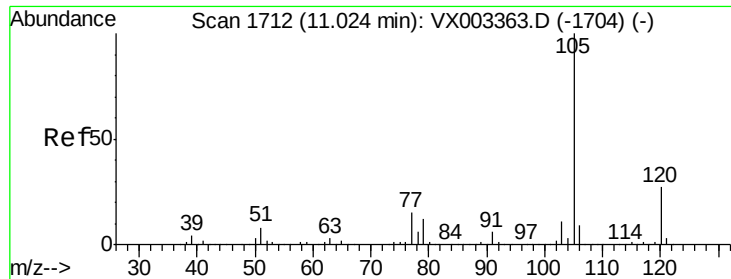
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	40.1	120.2
150	164.7	0.0	347.2





#73

Isopropylbenzene

Concen: 17.16 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 303405

Ion Ratio Lower Upper

105 100

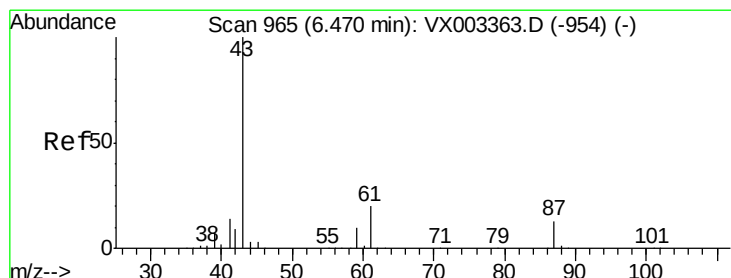
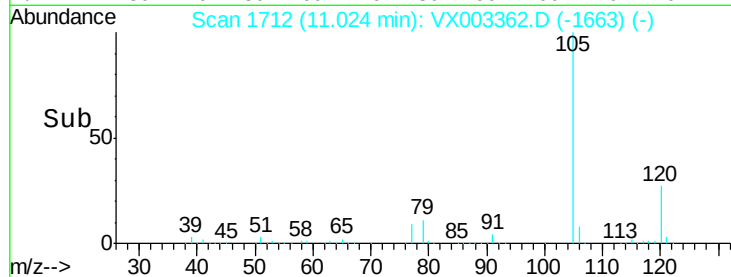
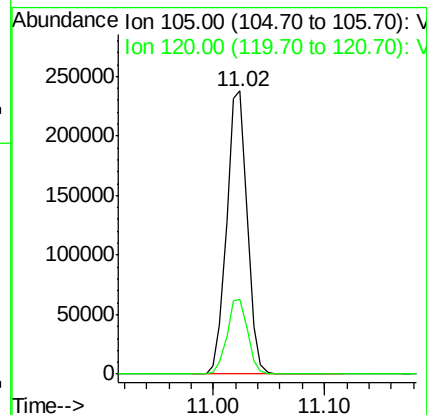
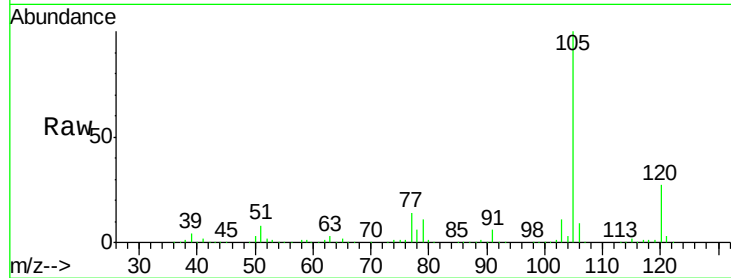
120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 16.39 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion: 43 Resp: 138254

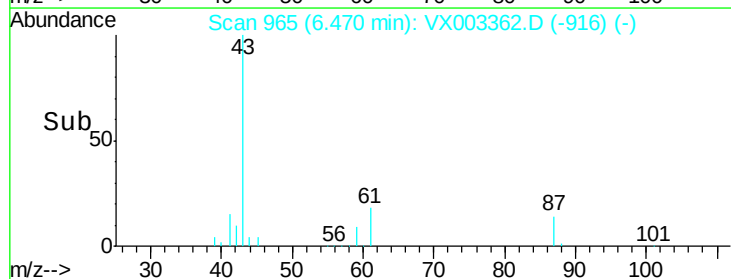
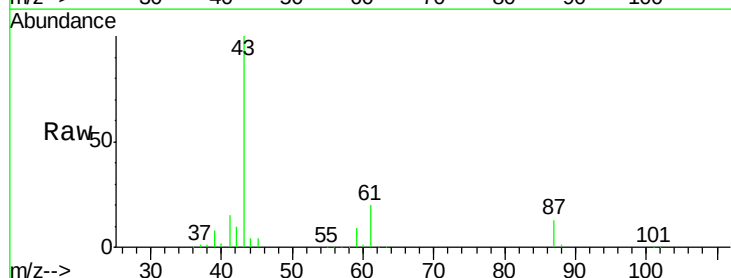
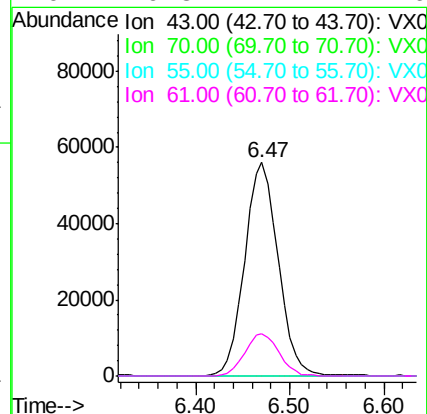
Ion Ratio Lower Upper

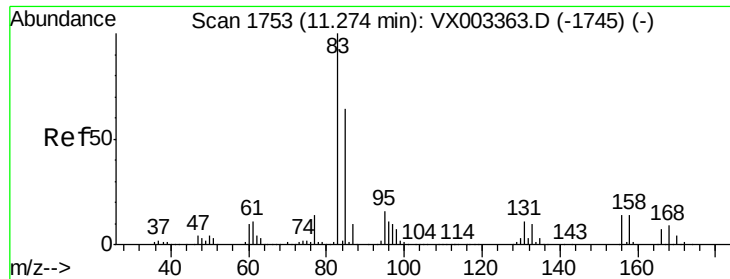
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.3 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

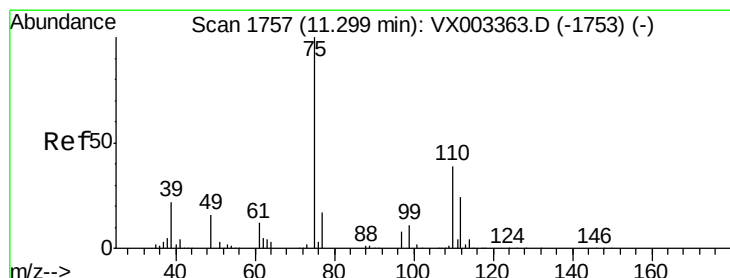
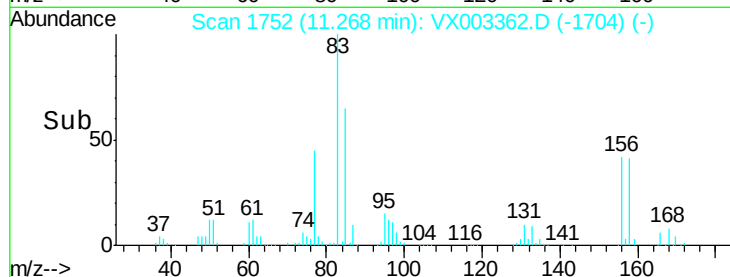
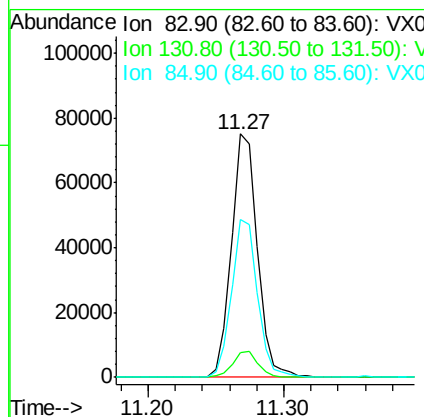
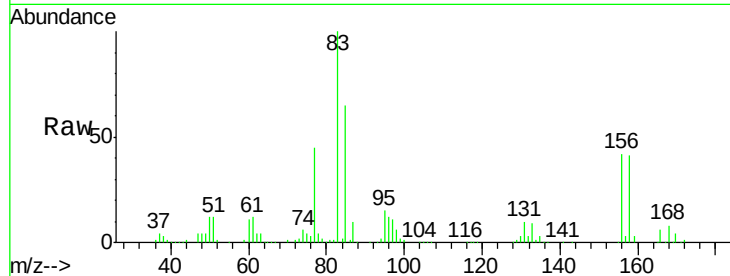
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	99670
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.6	16.8
85	64.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 18.20 ug/l m

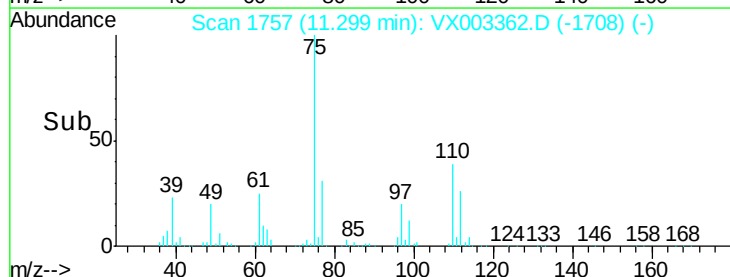
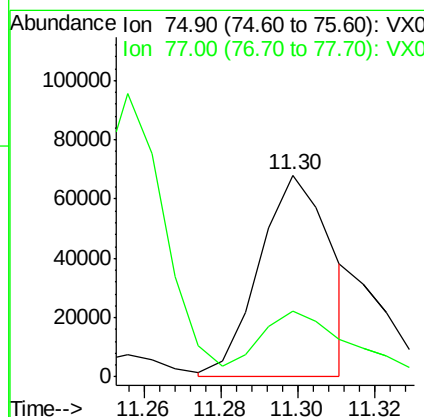
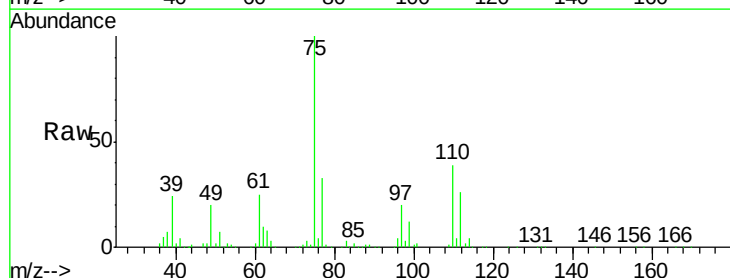
RT: 11.30 min Scan# 1757

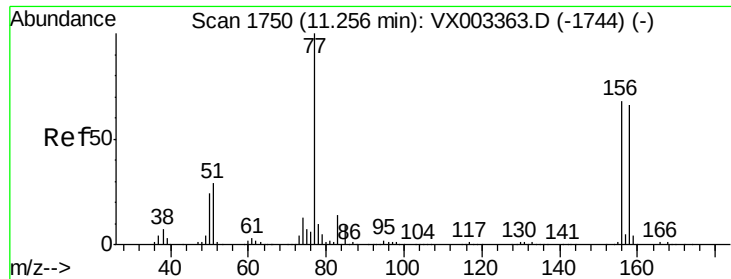
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	75	Resp:	88084
Ion	Ratio	Lower	Upper
75	100		
77	41.5	22.8	68.3





#77

Bromobenzene

Concen: 16.42 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 83818

Ion Ratio Lower Upper

156 100

77 142.0 71.4 214.2

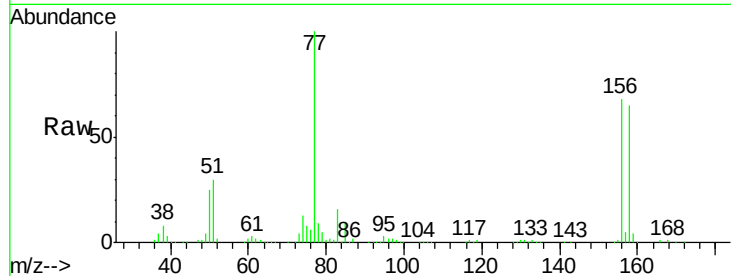
158 96.3 48.9 146.6

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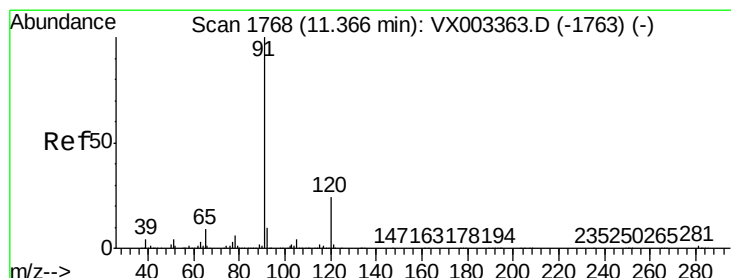
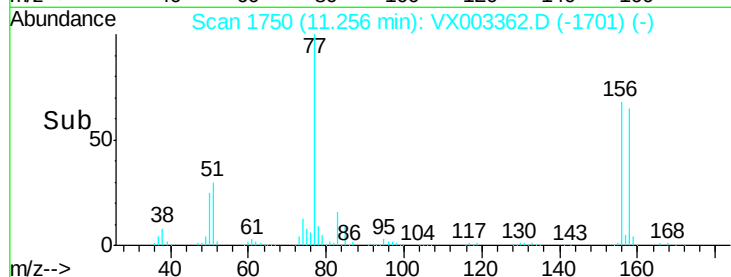
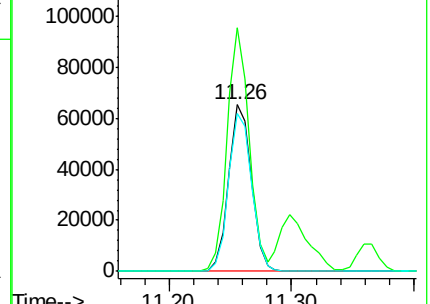
7/16/2018 11:24:40 AM



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: 17.41 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003362.D

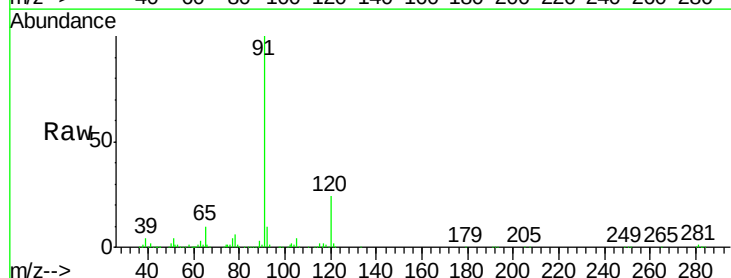
Acq: 13 Jul 2018 12:26

Tgt Ion: 91 Resp: 342369

Ion Ratio Lower Upper

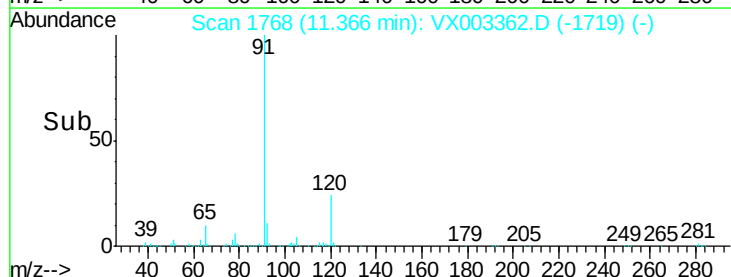
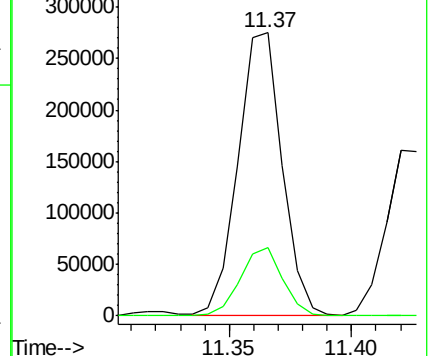
91 100

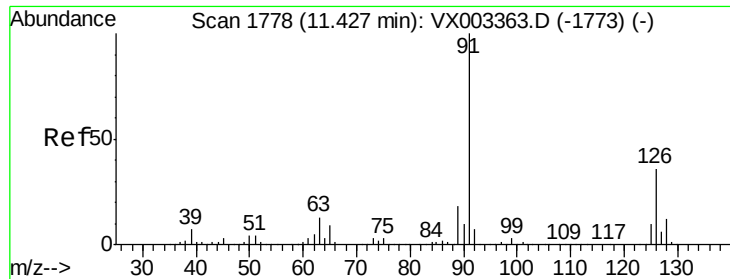
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.36 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 207891

Ion Ratio Lower Upper

91 100

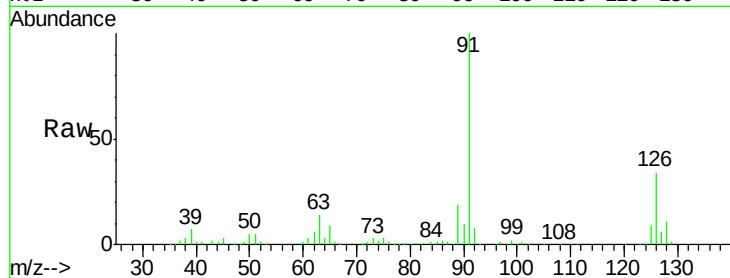
126 35.6 17.7 53.1

Manual Integrations

APPROVED

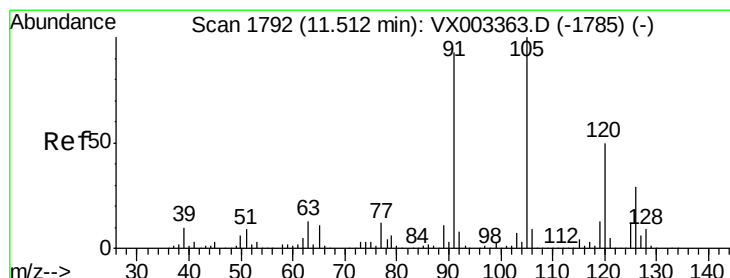
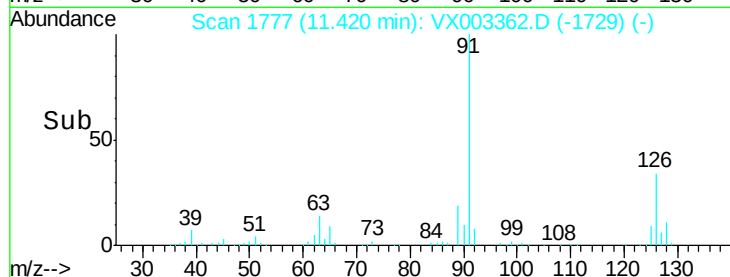
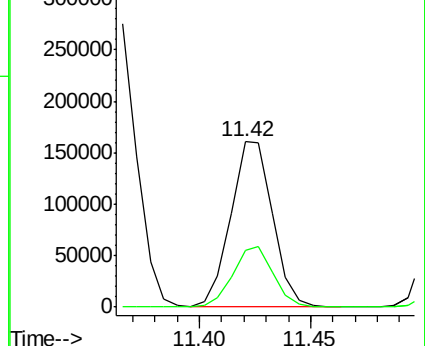
MMDadoda

7/16/2018 11:24:40 AM



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: 17.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003362.D

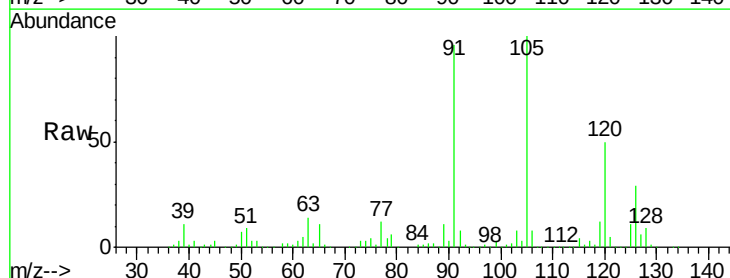
Acq: 13 Jul 2018 12:26

Tgt Ion:105 Resp: 251333

Ion Ratio Lower Upper

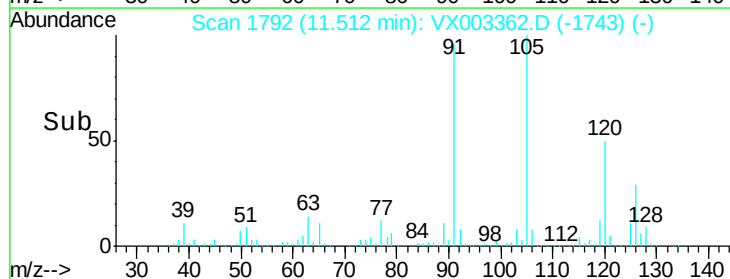
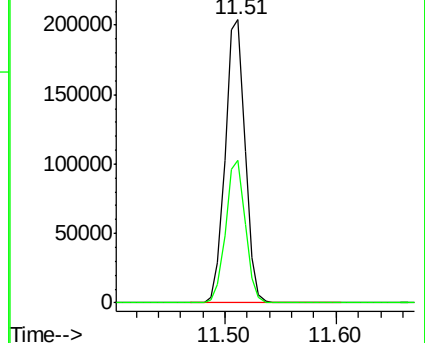
105 100

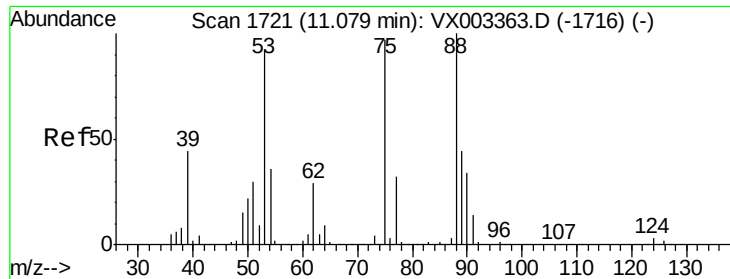
120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





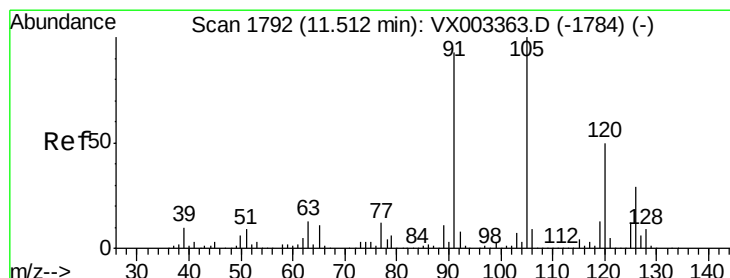
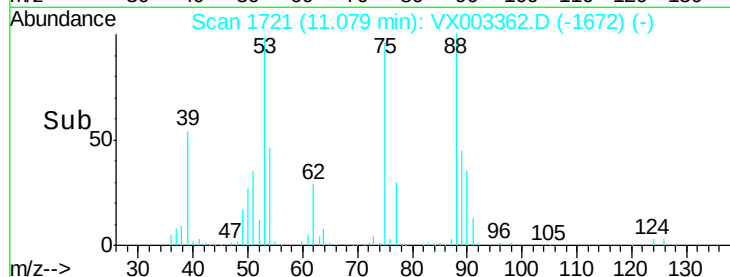
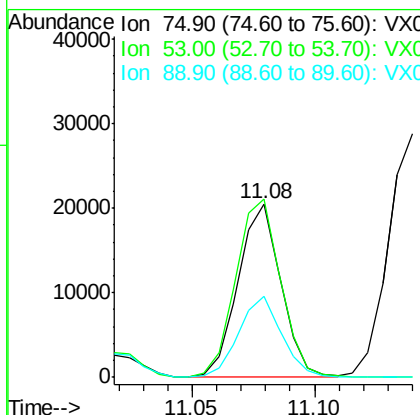
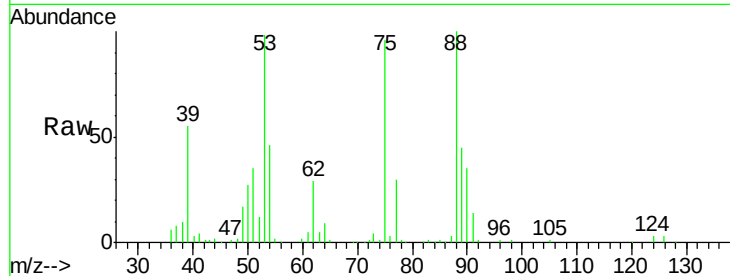
#81
trans-1,4-Dichloro-2-butene
Concen: 16.85 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	86.8	130.2
89	47.1	38.2	57.2

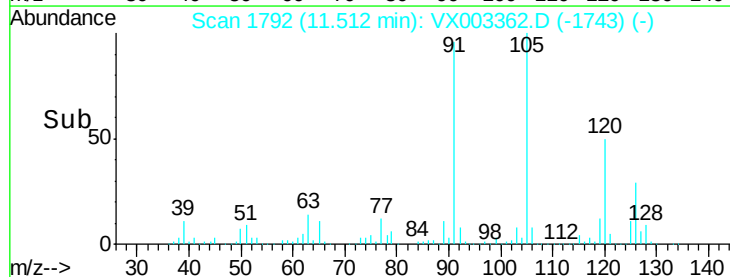
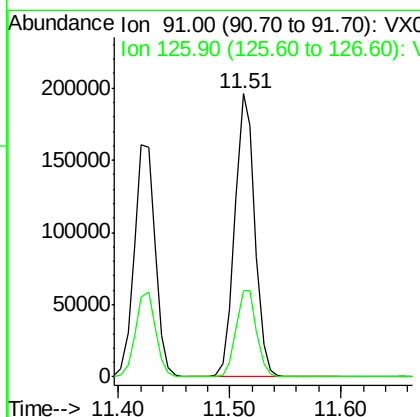
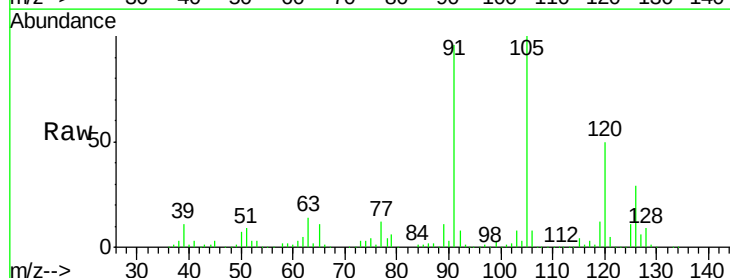
Manual Integrations
APPROVED

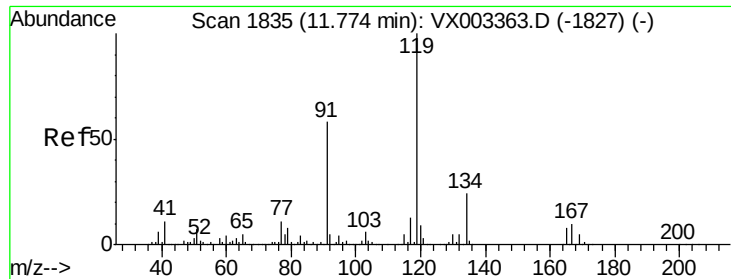
MMDadoda
7/16/2018 11:24:40 AM



#82
4-Chlorotoluene
Concen: 17.39 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4





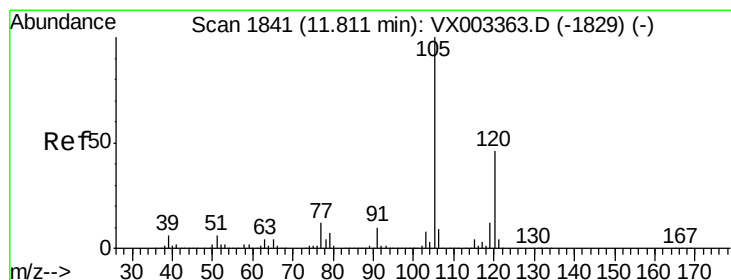
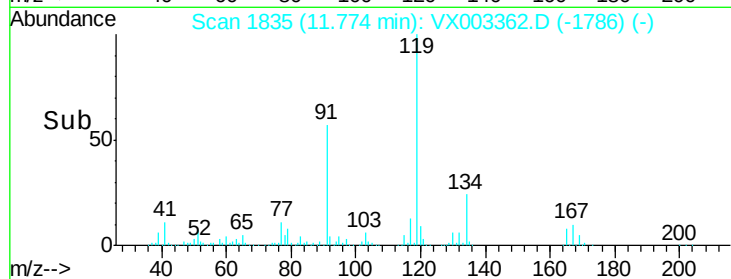
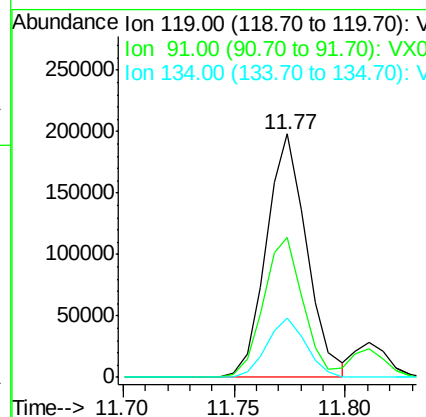
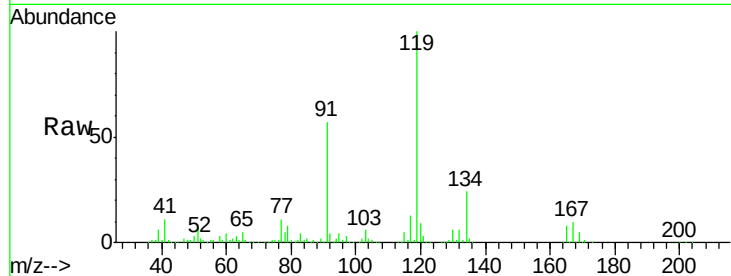
#83
 tert-Butylbenzene
 Concen: 17.00 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250026		
91	56.1		30.3	90.9
134	23.6		11.7	35.1

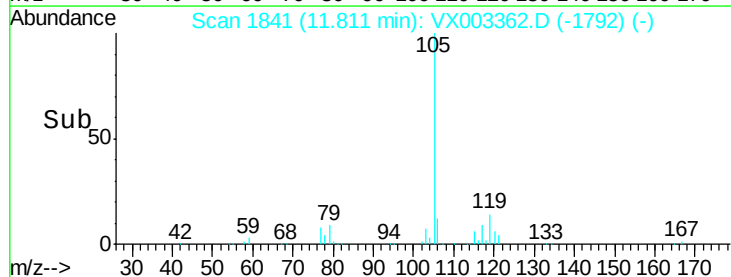
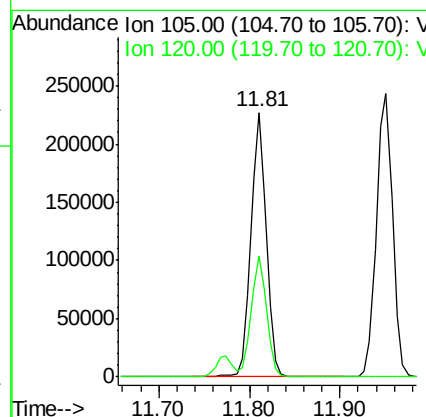
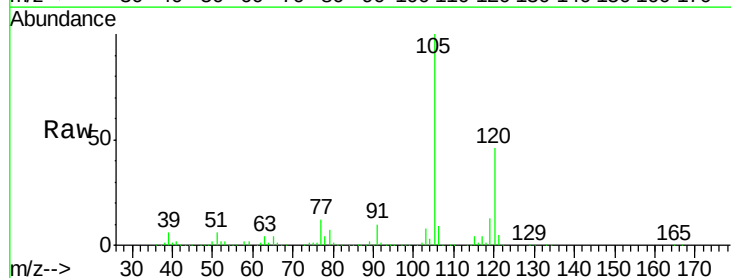
Manual Integrations
 APPROVED

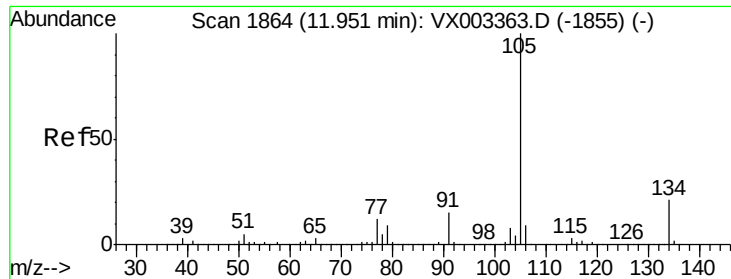
MMDadoda
 7/16/2018 11:24:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.67 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	266465		
120	45.8		22.3	66.8





#85

sec-Butylbenzene

Concen: 17.27 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 300218

Ion Ratio Lower Upper

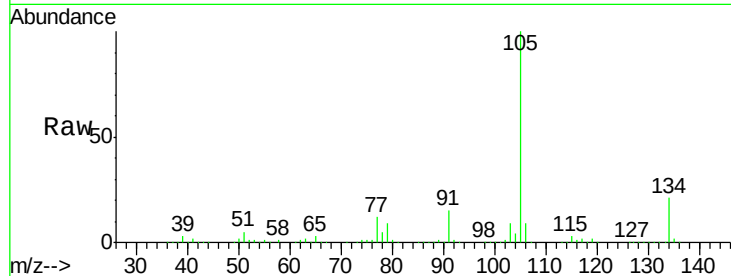
105 100

134 20.8 10.4 31.1

Manual Integrations
APPROVED

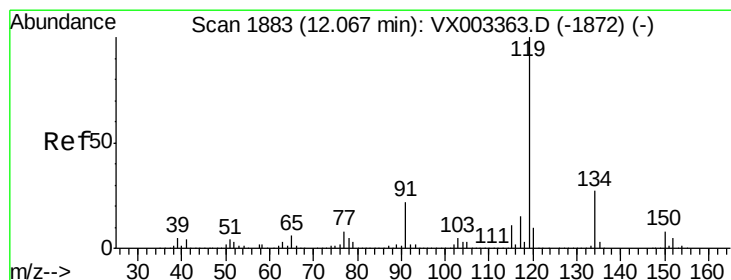
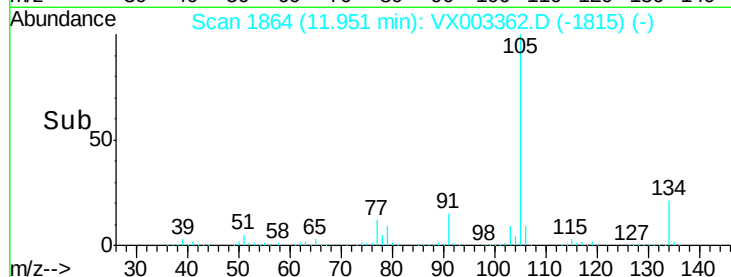
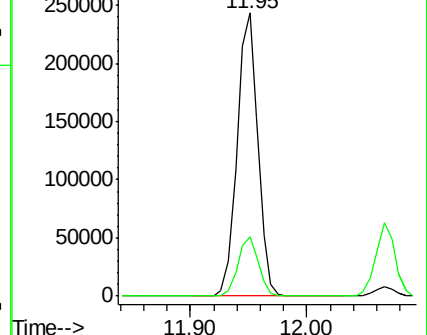
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

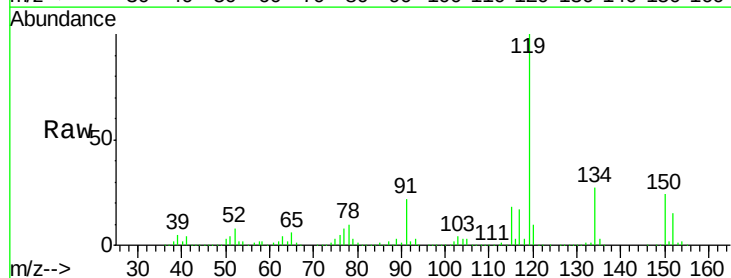
Tgt Ion:119 Resp: 271353

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

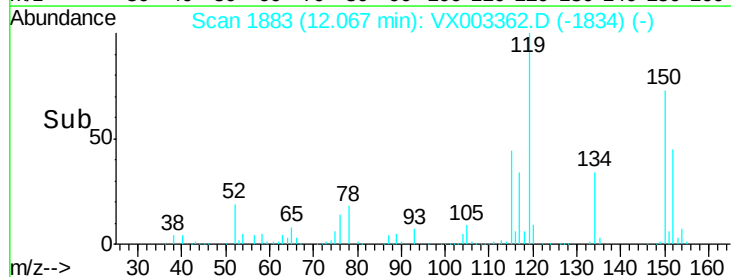
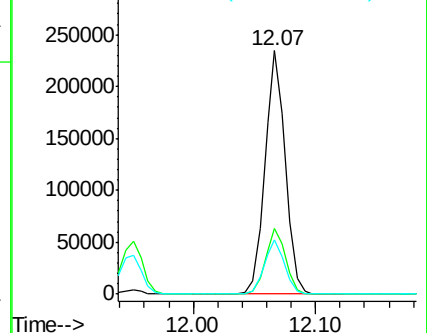
91 22.1 11.9 35.7

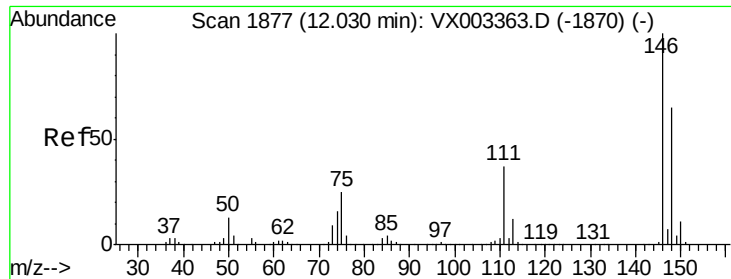


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





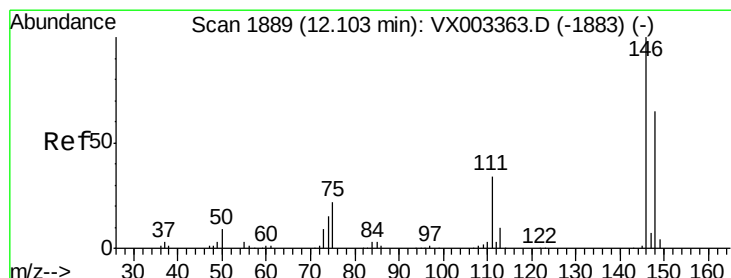
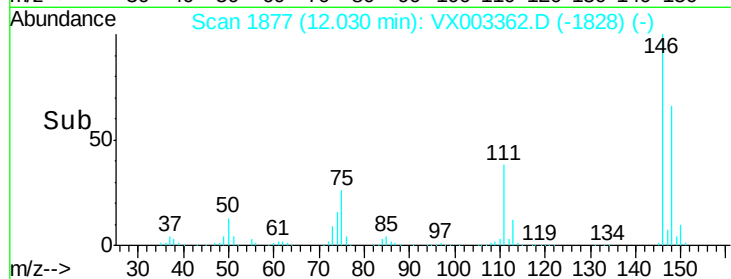
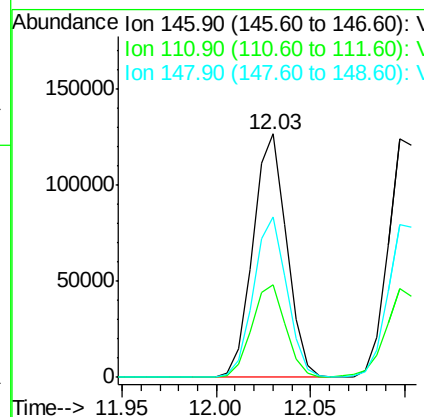
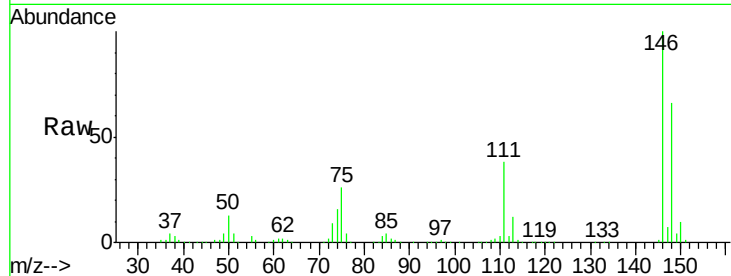
#87
 1,3-Dichlorobenzene
 Concen: 16.81 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.7
148	64.9	32.1	96.3

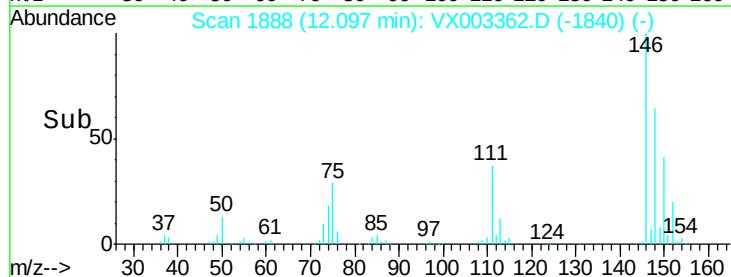
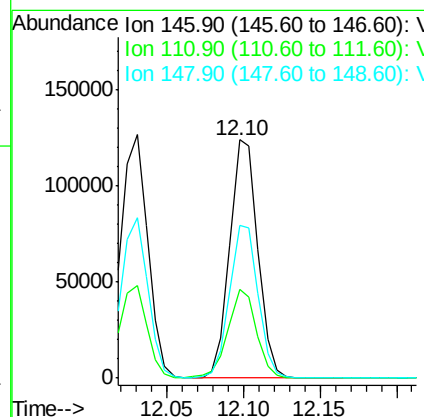
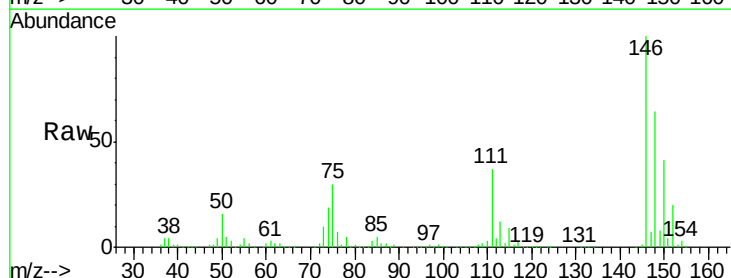
Manual Integrations
 APPROVED

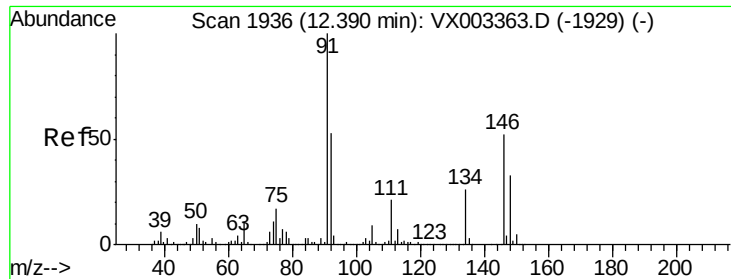
MMDadoda
 7/16/2018 11:24:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.69 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	65.1	32.4	97.0





#89

n-Butylbenzene

Concen: 16.60 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

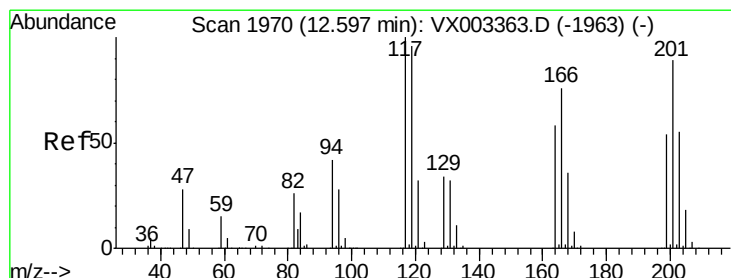
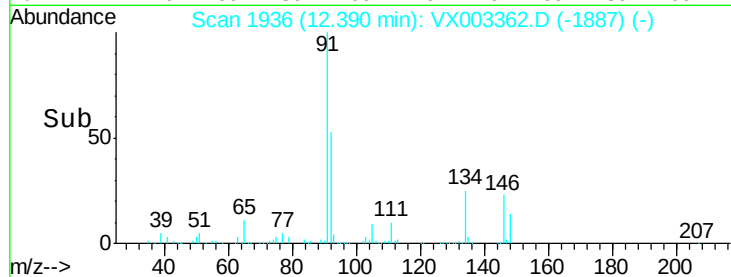
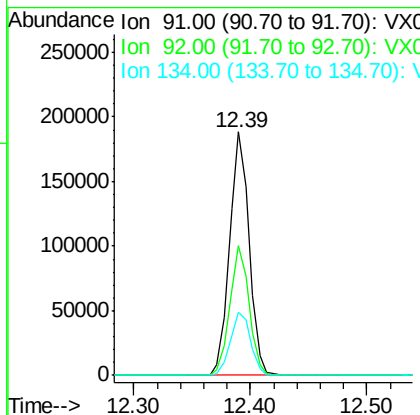
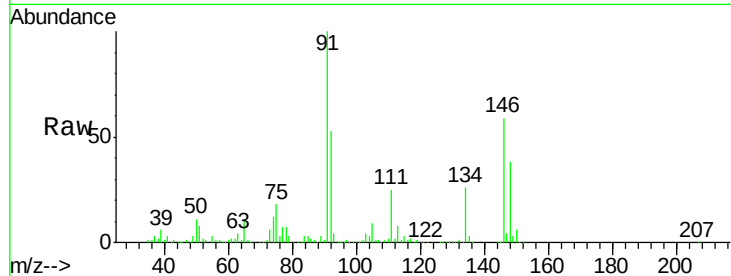
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	219630
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	26.9	13.5	40.5

Manual Integrations
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7/16/2018 11:24:40 AM



#90

Hexachloroethane

Concen: 15.31 ug/l

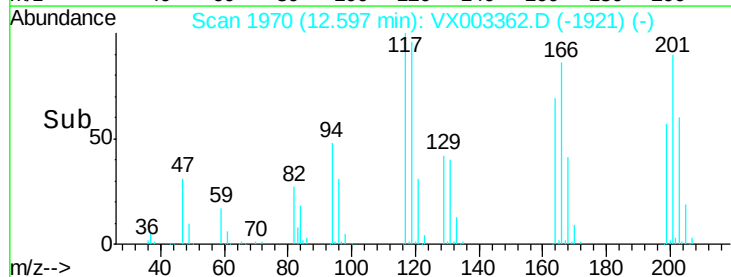
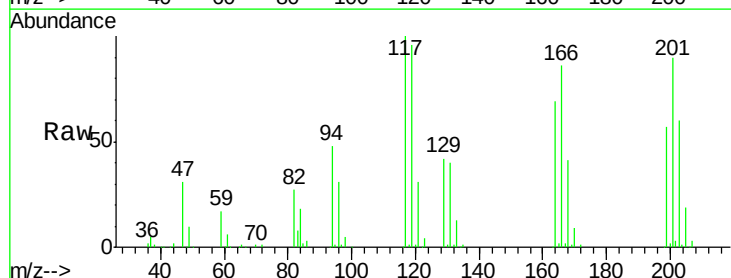
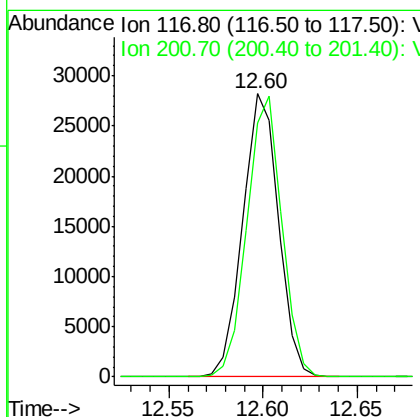
RT: 12.60 min Scan# 1970

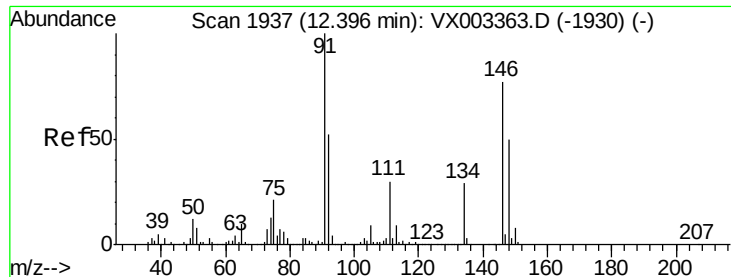
Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	117	Resp:	37019
Ion	Ratio	Lower	Upper
117	100		
201	96.9	49.0	147.0





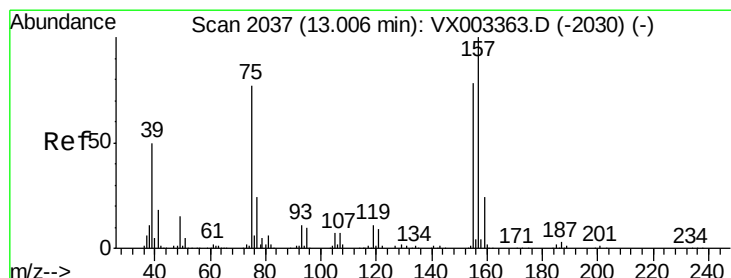
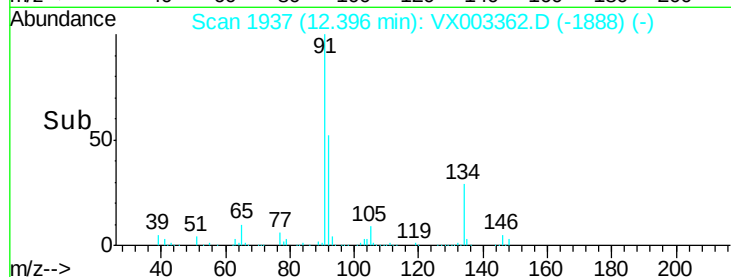
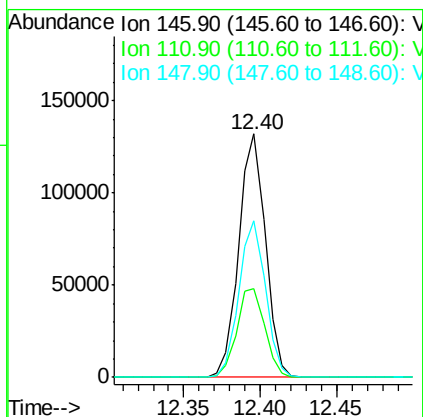
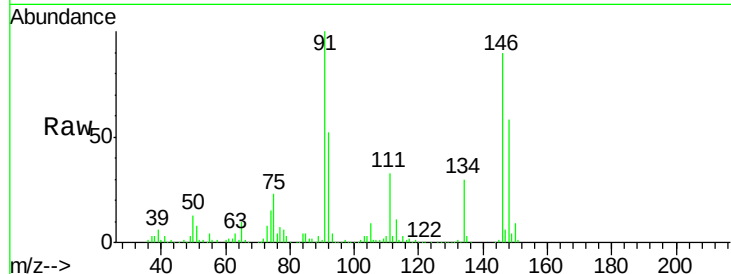
#91
1,2-Dichlorobenzene
Concen: 17.00 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159854		
111	38.5	19.4	58.1	
148	64.1	31.7	95.1	

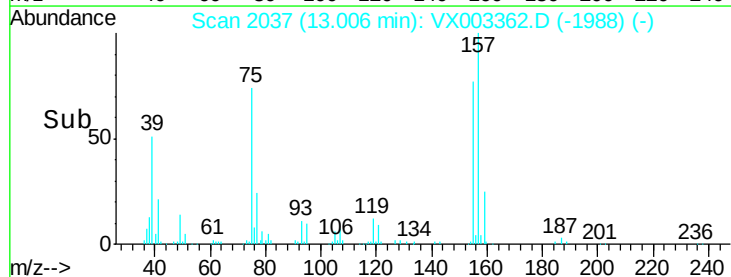
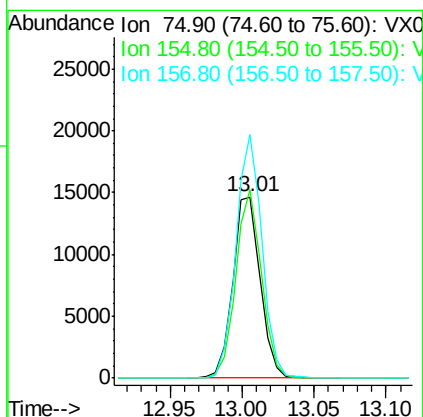
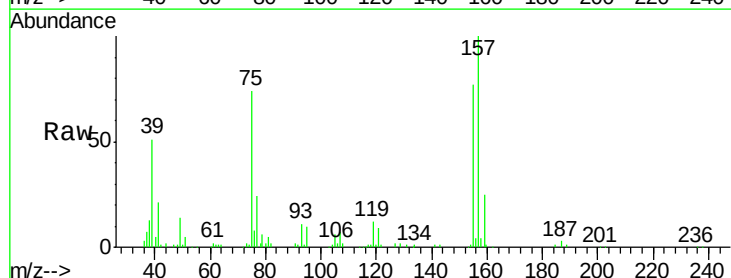
Manual Integrations
APPROVED

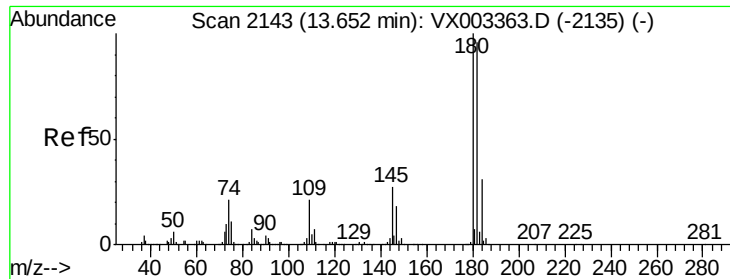
MMDadoda
7/16/2018 11:24:40 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.59 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VX003362.D
Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19519		
155	96.6	45.8	137.4	
157	126.9	60.1	180.3	





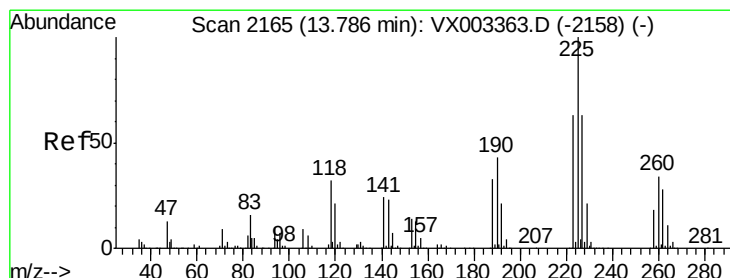
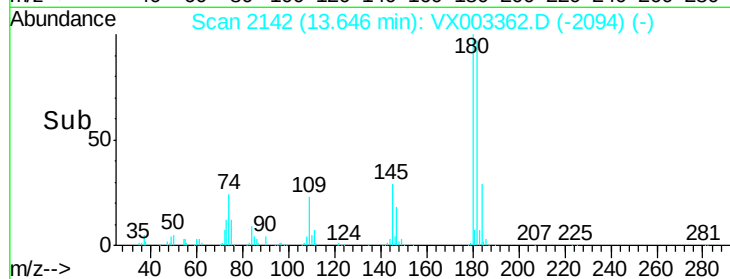
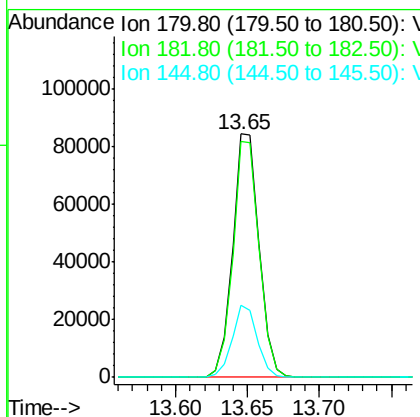
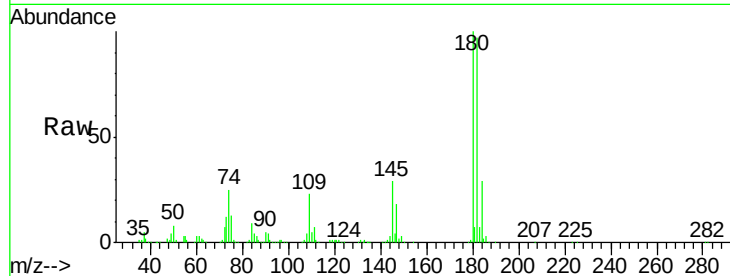
#93
 1,2,4-Trichlorobenzene
 Concen: 15.75 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107795		
182	96.6	47.7	143.1	
145	28.2	14.1	42.4	

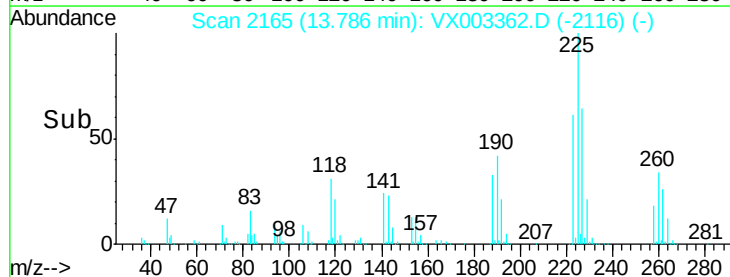
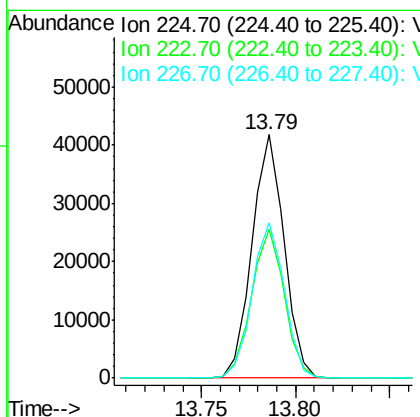
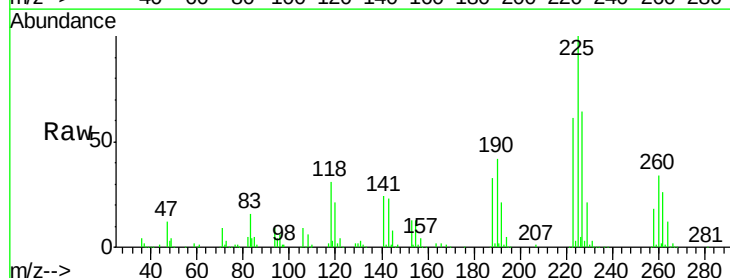
Manual Integrations
 APPROVED

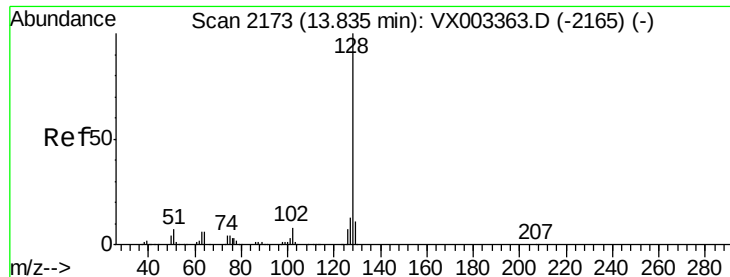
MMDadoda
 7/16/2018 11:24:40 AM



#94
 Hexachlorobutadiene
 Concen: 14.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003362.D
 Acq: 13 Jul 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49307		
223	62.5	31.6	95.0	
227	64.3	32.4	97.2	





#95

Naphthalene

Concen: 17.76 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Instrument :

MSVOA_X

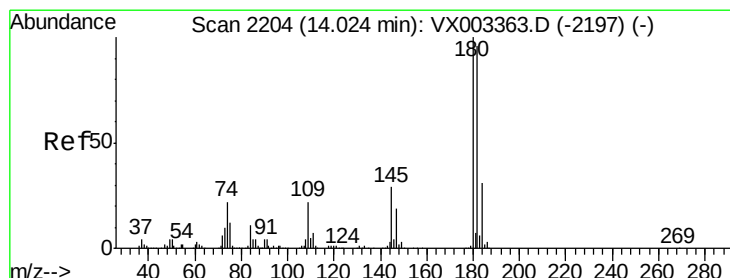
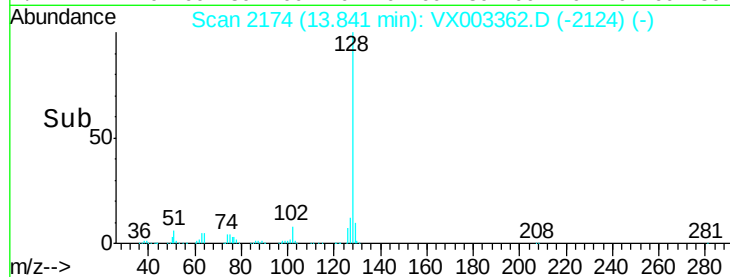
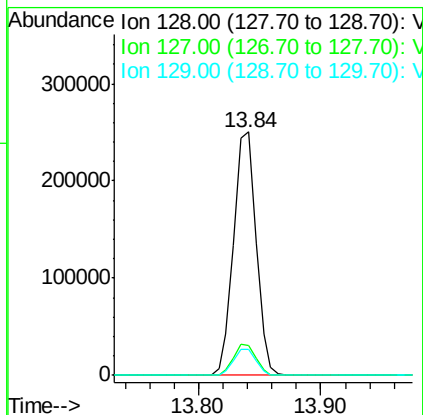
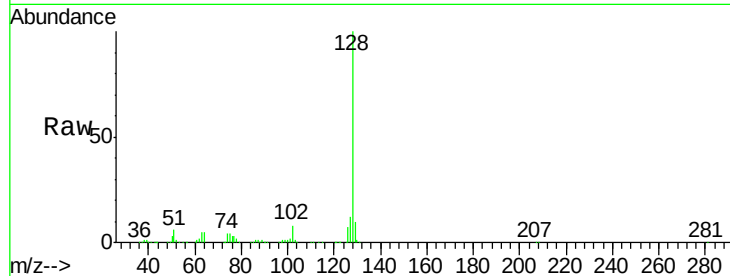
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	318045
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.40 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003362.D

Acq: 13 Jul 2018 12:26

Tgt Ion:	180	Resp:	111976
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.0	144.0
145	30.2	14.8	44.3

