

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111718\
 Data File : VX006068.D
 Acq On : 17 Nov 2018 15:06
 Operator : JC/MD
 Sample : VX1117WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 9:24:42 AM

Quant Time: Nov 19 00:49:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	114927	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	164636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	130176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96384	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	70412	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
35) Dibromofluoromethane	5.51	113	55928	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	8.71	98	180037	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.13	95	65194	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	17985	17.36	ug/l	98
3) Chloromethane	1.33	50	24386	17.93	ug/l	97
4) Vinyl Chloride	1.41	62	25397	18.60	ug/l	98
5) Bromomethane	1.64	94	12846	15.38	ug/l	99
6) Chloroethane	1.73	64	15540	19.08	ug/l	94
7) Trichlorofluoromethane	1.93	101	33470	18.47	ug/l	98
8) Diethyl Ether	2.19	74	15241	21.46	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	19455	18.67	ug/l	99
10) Methyl Iodide	2.51	142	22016	17.43	ug/l	97
11) Tert butyl alcohol	3.06	59	37745	99.73	ug/l	98
12) 1,1-Dichloroethene	2.37	96	18787	18.49	ug/l	93
13) Acrolein	2.29	56	9858	69.60	ug/l	95
14) Allyl chloride	2.73	41	44184	19.47	ug/l	98
15) Acrylonitrile	3.15	53	83377	106.30	ug/l	98
16) Acetone	2.44	43	74494	104.72	ug/l	97
17) Carbon Disulfide	2.57	76	48456	15.99	ug/l	100
18) Methyl Acetate	2.78	43	42592	21.50	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	72105	20.80	ug/l	97
20) Methylene Chloride	2.86	84	23002	19.68	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	20468	19.10	ug/l	90
22) Diisopropyl ether	3.87	45	81729	20.56	ug/l	95
23) Vinyl Acetate	3.82	43	349299	102.50	ug/l	99
24) 1,1-Dichloroethane	3.70	63	42194	19.90	ug/l	100
25) 2-Butanone	4.70	43	113201	101.22	ug/l	96
26) 2,2-Dichloropropane	4.59	77	30261	19.46	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	23386	19.77	ug/l	99
28) Bromochloromethane	5.01	49	20836	21.99	ug/l	94
29) Tetrahydrofuran	5.15	42	72339	100.74	ug/l	99
30) Chloroform	5.21	83	41649	20.36	ug/l	99
31) Cyclohexane	5.57	56	32035	17.40	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	34741	20.36	ug/l	99
36) 1,1-Dichloropropene	5.80	75	29226	18.41	ug/l	98
37) Ethyl Acetate	4.85	43	39456	18.90	ug/l	99
38) Carbon Tetrachloride	5.78	117	30007	18.89	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	26757	16.63	ug/l	85
40) Benzene	6.14	78	92303	19.95	ug/l	97
41) Methacrylonitrile	5.06	41	21694	19.24	ug/l	97
42) 1,2-Dichloroethane	6.20	62	33096	19.97	ug/l	99
43) Isopropyl Acetate	6.46	43	49714	16.44	ug/l	97
44) Trichloroethene	7.21	130	23048	19.62	ug/l	84
45) 1,2-Dichloropropane	7.51	63	23593	21.01	ug/l	89
46) Dibromomethane	7.66	93	13550	19.23	ug/l	99
47) Bromodichloromethane	7.90	83	25488	19.14	ug/l	98
48) Methyl methacrylate	7.77	41	25023	18.43	ug/l	99
49) 1,4-Dioxane	7.75	88	11148	380.98	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	176279	92.49	ug/l	98
52) Toluene	8.79	92	46387	17.94	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	27387	17.43	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	30191	18.85	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	22561	19.58	ug/l	83
56) Ethyl methacrylate	9.18	69	29063	16.85	ug/l	99
57) 1,3-Dichloropropane	9.37	76	33843	17.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	85042	95.79	ug/l	99
59) 2-Hexanone	9.49	43	138783	82.61	ug/l	100
60) Dibromochloromethane	9.59	129	21178	17.00	ug/l	100
61) 1,2-Dibromoethane	9.67	107	20922	16.42	ug/l	99
64) Tetrachloroethene	9.34	164	21074	19.01	ug/l	98
65) Chlorobenzene	10.14	112	53433	20.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	19930	21.98	ug/l	99
67) Ethyl Benzene	10.25	91	87582	20.94	ug/l	100
68) m/p-Xylenes	10.36	106	67411	42.26	ug/l	99
69) o-Xylene	10.70	106	31718	22.18	ug/l	98
70) Styrene	10.71	104	54243	22.99	ug/l	100
71) Bromoform	10.86	173	17424	22.93	ug/l #	98
73) Isopropylbenzene	11.02	105	89900	16.13	ug/l	100
74) N-amyl acetate	10.90	43	42382	14.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	32758	16.01	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	31983m	16.30	ug/l	
77) Bromobenzene	11.26	156	24471	15.58	ug/l	99
78) n-propylbenzene	11.36	91	103358	15.73	ug/l	99
79) 2-Chlorotoluene	11.42	91	63543	16.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	78493	16.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9582	15.56	ug/l	96
82) 4-Chlorotoluene	11.51	91	77489	16.56	ug/l	99
83) tert-Butylbenzene	11.77	119	94160	19.65	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	100593	19.17	ug/l	99
85) sec-Butylbenzene	11.94	105	118469	20.22	ug/l	98
86) p-Isopropyltoluene	12.07	119	106492	20.52	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	58139	19.28	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	60511	19.61	ug/l	98
89) n-Butylbenzene	12.39	91	88997	18.50	ug/l	99
90) Hexachloroethane	12.60	117	16659	19.22	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	57516	19.04	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9555	19.14	ug/l	93

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ClientSampleId :
VX1117WBSD01

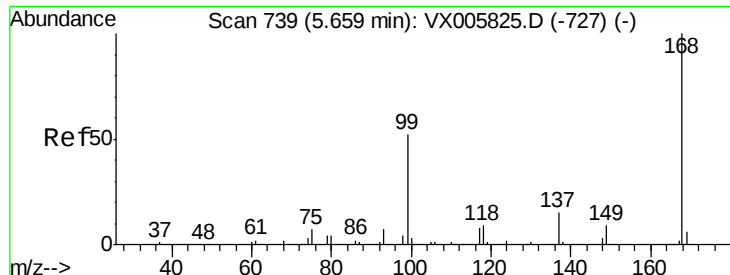
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	42957	20.20	ug/l	99
94) Hexachlorobutadiene	13.78	225	21030	18.83	ug/l	99
95) Naphthalene	13.83	128	131850	19.74	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44923	20.74	ug/l	99

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



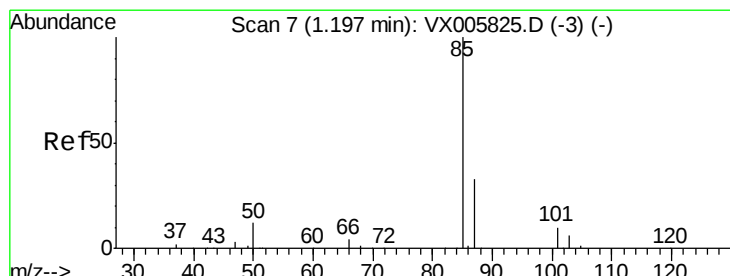
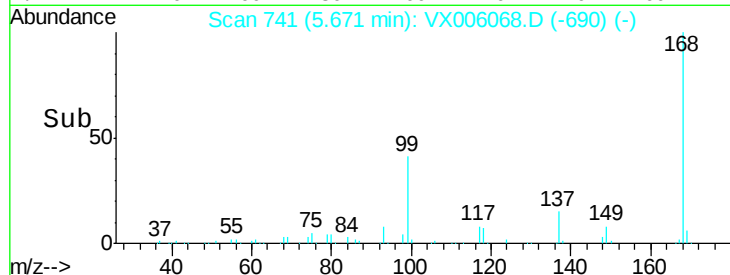
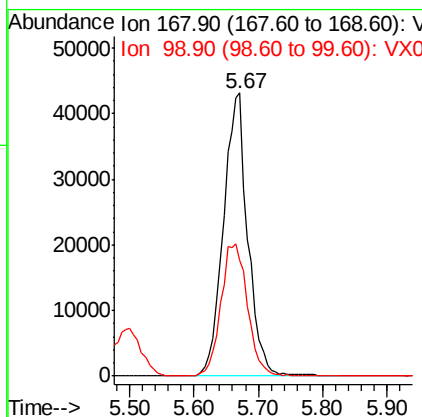
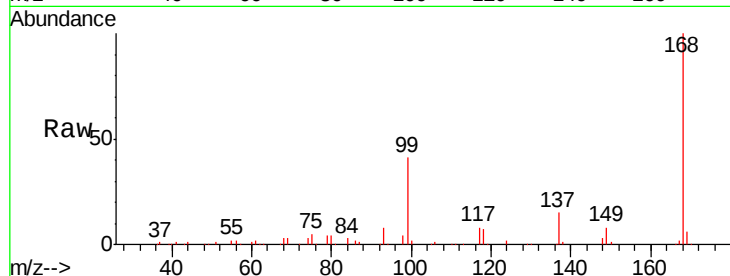
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Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion: 168 Resp: 114927
Ion Ratio Lower Upper
168 100
99 40.9 40.7 61.1

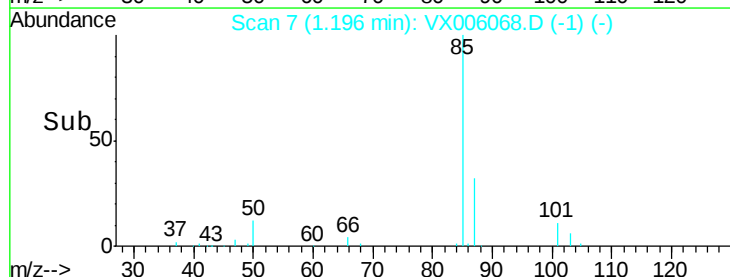
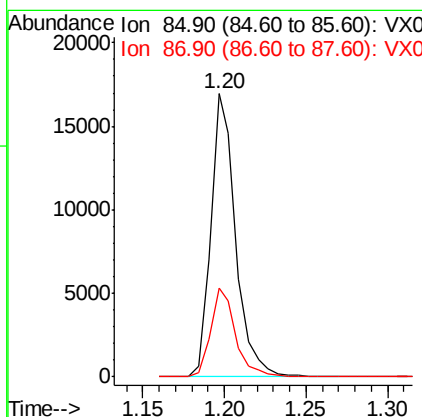
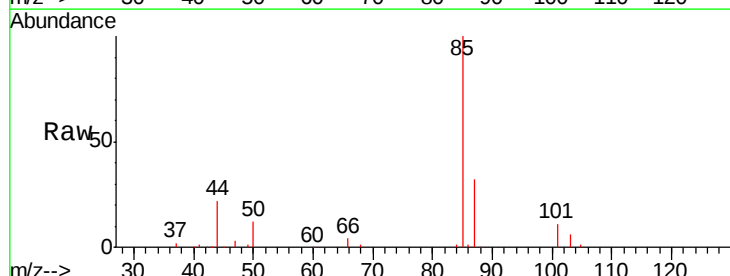
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#2
Dichlorodifluoromethane
Concen: 17.36 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 85 Resp: 17985
Ion Ratio Lower Upper
85 100
87 31.5 16.3 48.9





#3

Chloromethane

Concen: 17.93 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 50 Resp: 24386

Ion Ratio Lower Upper

50 100

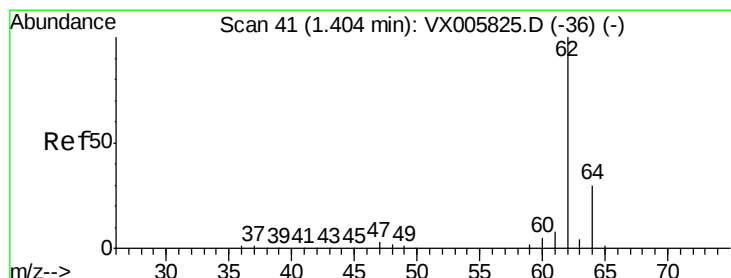
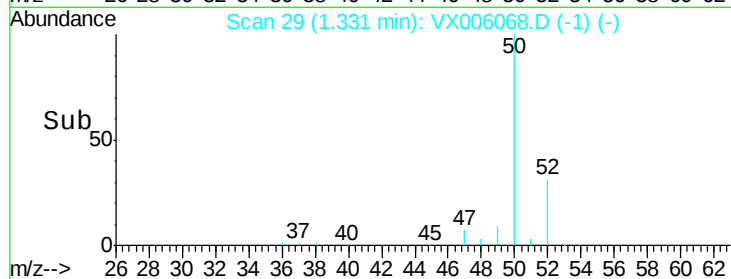
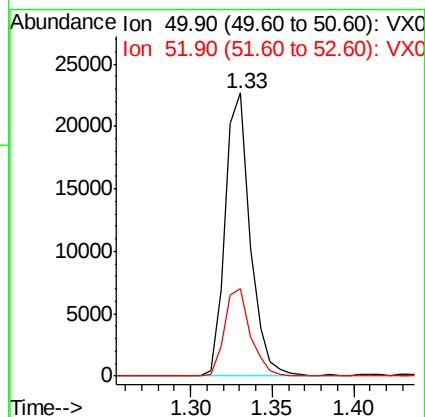
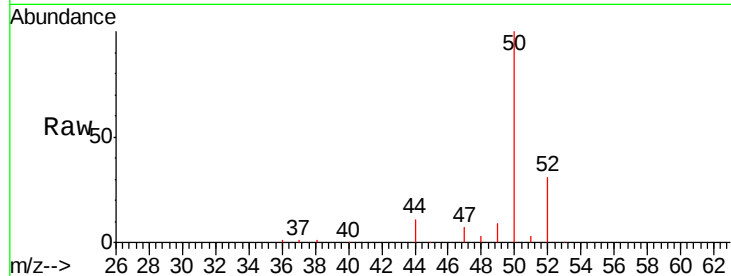
52 30.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.60 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006068.D

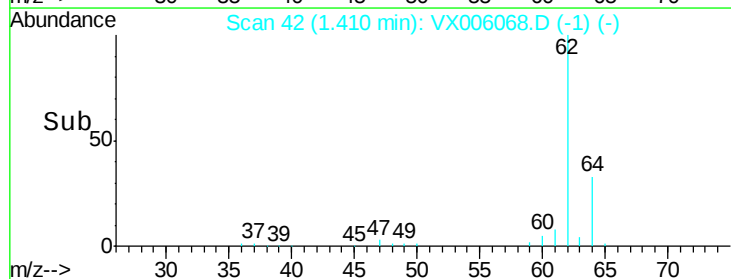
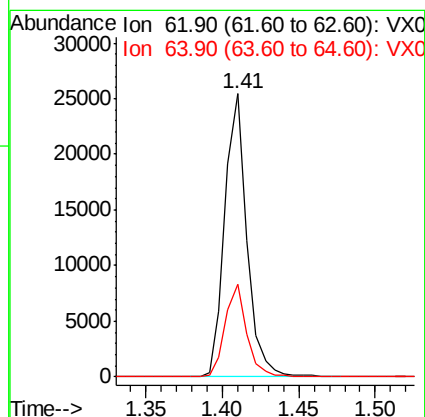
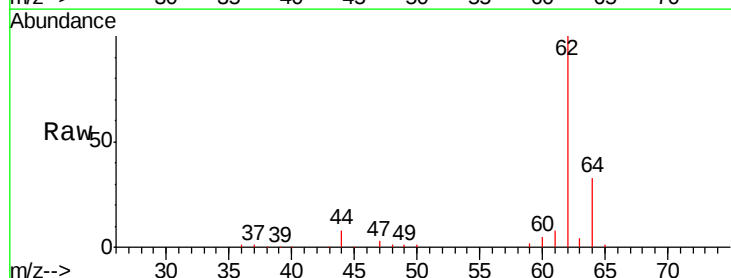
Acq: 17 Nov 2018 15:06

Tgt Ion: 62 Resp: 25397

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 15.38 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 94 Resp: 12846

Ion Ratio Lower Upper

94 100

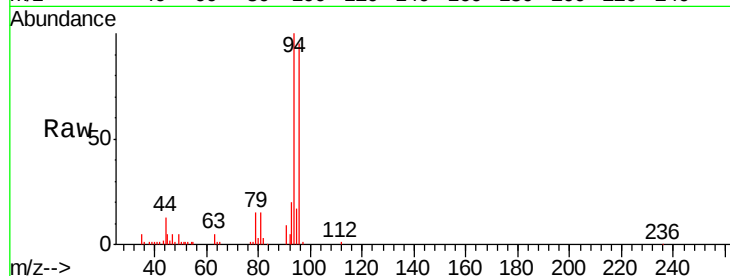
96 94.7 75.2 112.8

Manual Integrations

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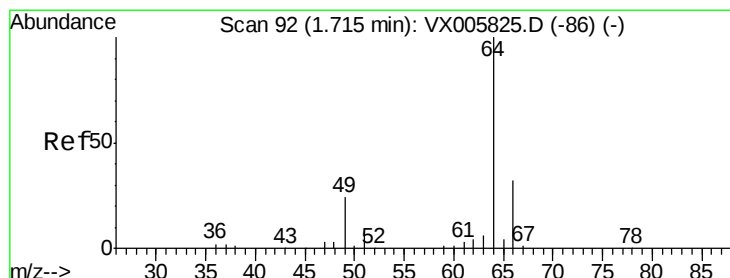
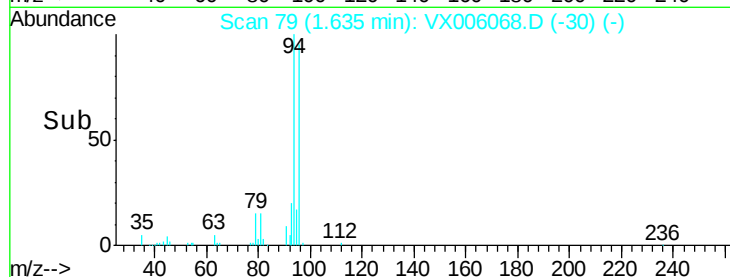
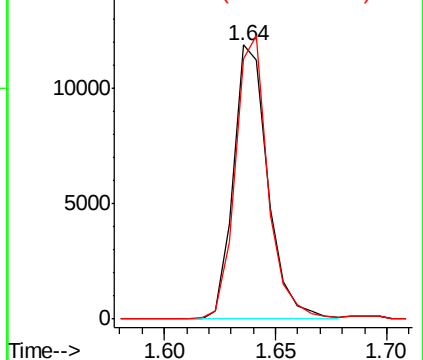
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11/19/2018 9:24:42 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.08 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006068.D

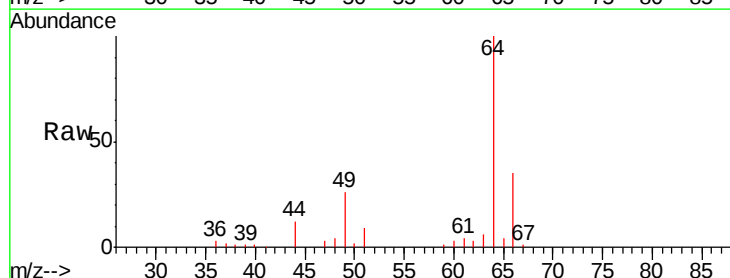
Acq: 17 Nov 2018 15:06

Tgt Ion: 64 Resp: 15540

Ion Ratio Lower Upper

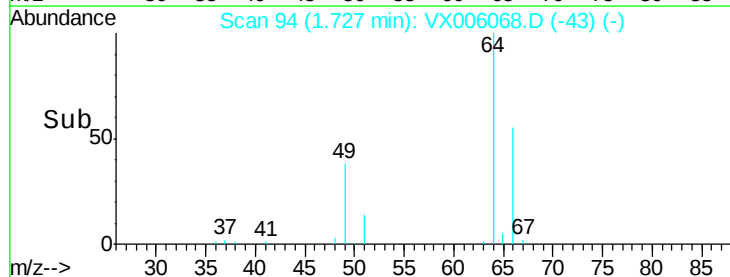
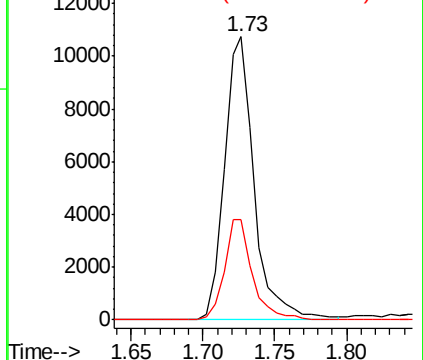
64 100

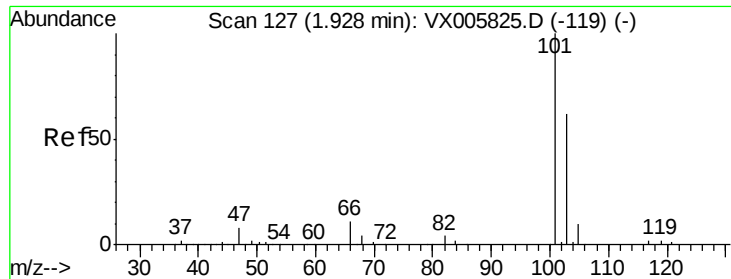
66 35.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 18.47 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX006068.D

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VX1117WBSD01

Tgt Ion: 101 Resp: 33470

Ion Ratio Lower Upper

101 100

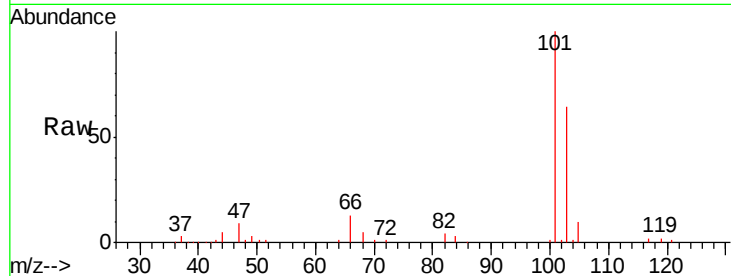
103 64.1 50.0 75.0

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

25000

20000

15000

10000

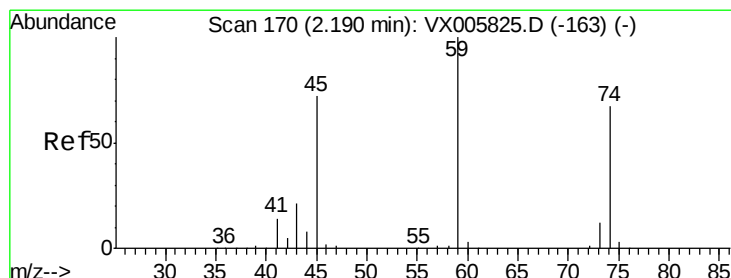
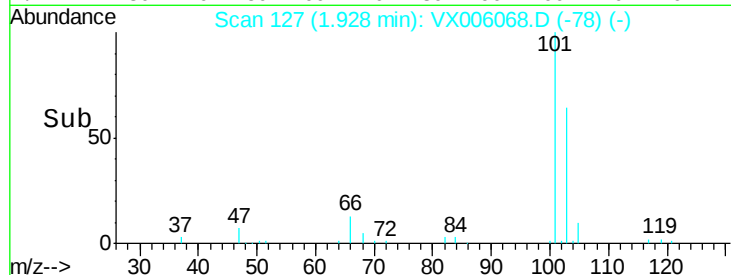
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0

Time-->

1.85 1.90 1.95 2.00

1.93



#8

Diethyl Ether

Concen: 21.46 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX006068.D

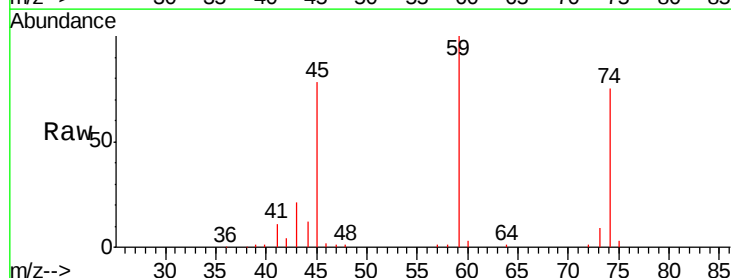
Acq: 17 Nov 2018 15:06

Tgt Ion: 74 Resp: 15241

Ion Ratio Lower Upper

74 100

45 103.0 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

10000

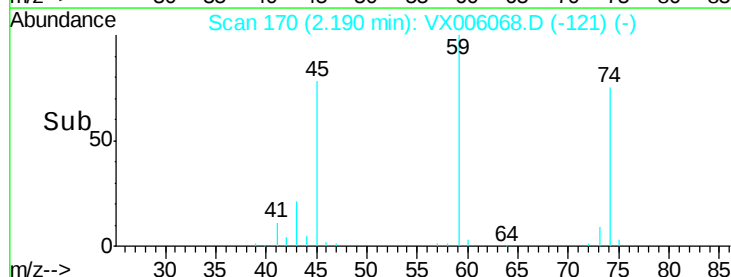
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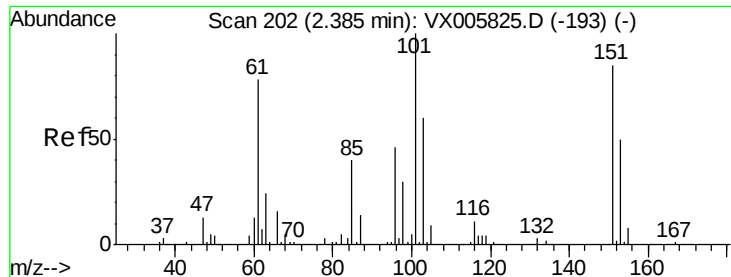
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Time-->

2.10 2.15 2.20 2.25

2.19





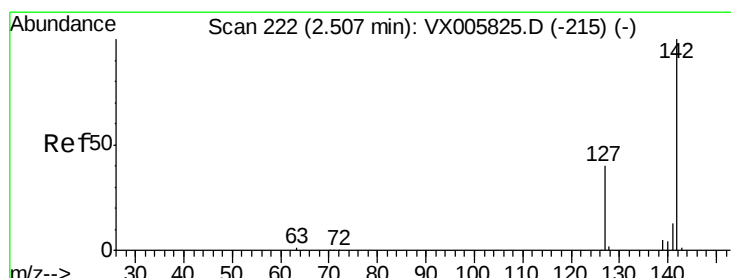
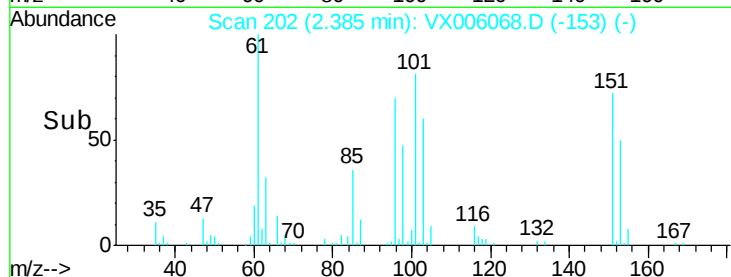
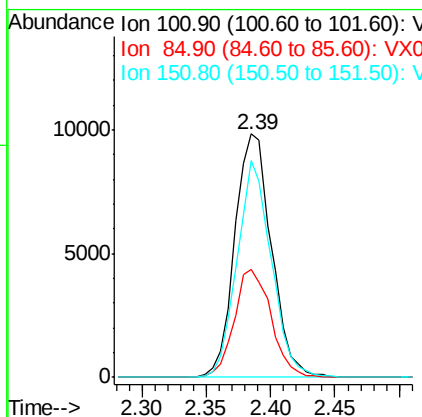
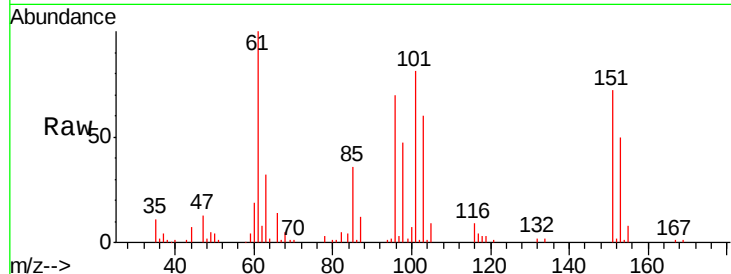
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 1,1,2-Trichlorotrifluoroethane
 Concen: 18.67 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006068.D
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Instrument :
 MSVOA_X
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 VX1117WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	19455		
85	44.3	35.0	52.4	
151	83.1	66.2	99.2	

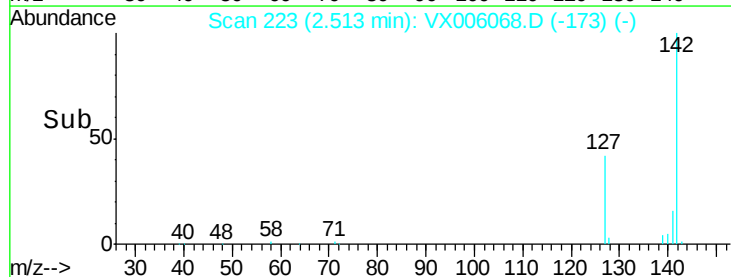
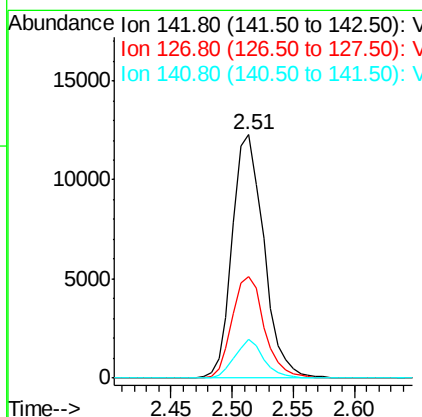
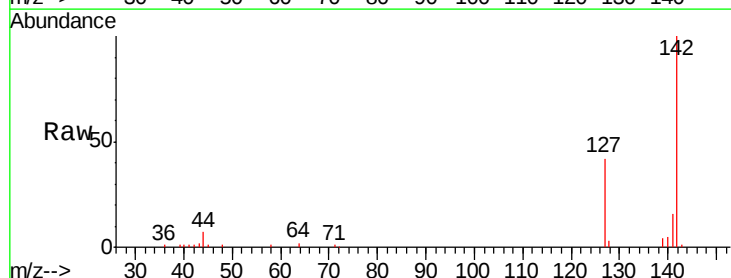
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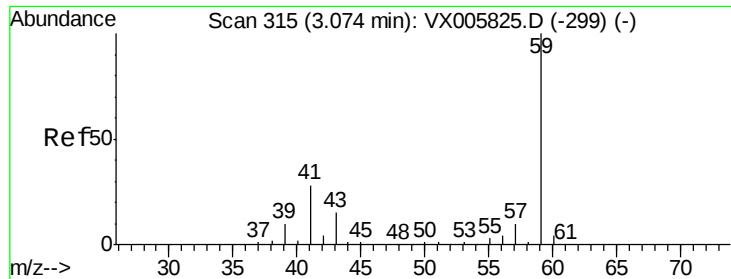
MMDadoda
 11/19/2018 9:24:42 AM



#10
 Methyl Iodide
 Concen: 17.43 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22016		
127	42.3	36.0	54.0	
141	14.3	11.7	17.5	





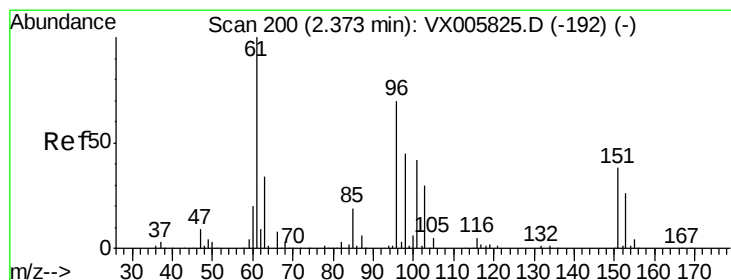
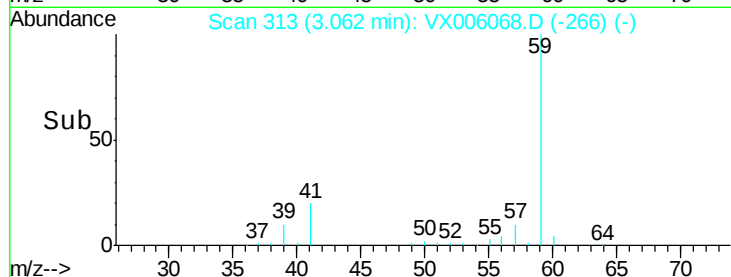
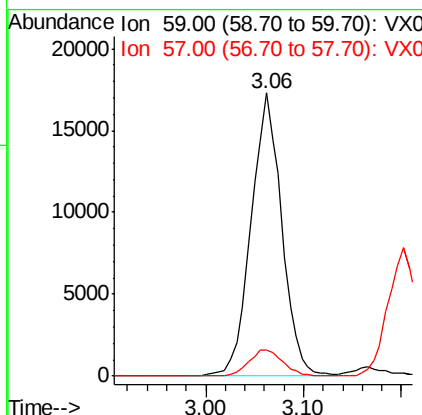
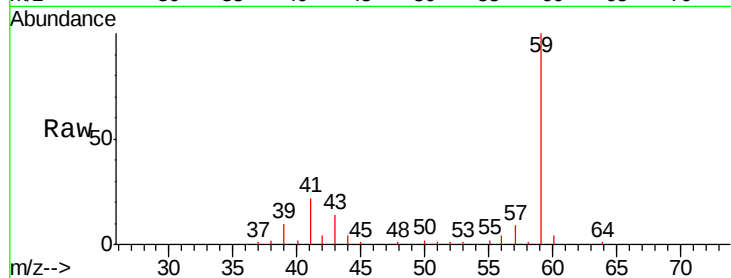
#11
Tert butyl alcohol
Concen: 99.73 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion: 59 Resp: 37745
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

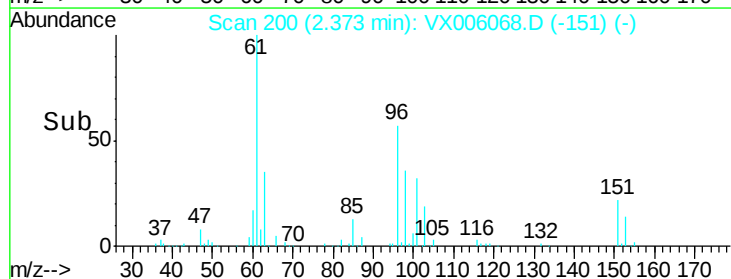
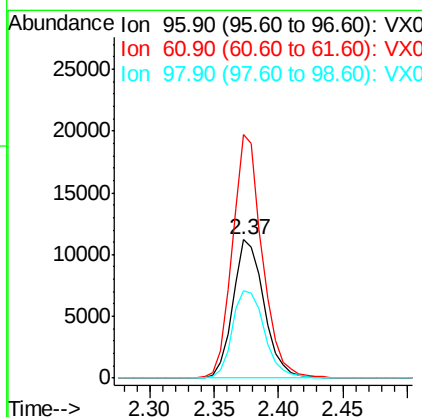
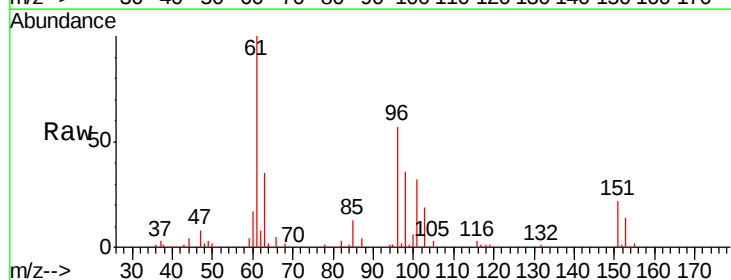
Manual Integrations
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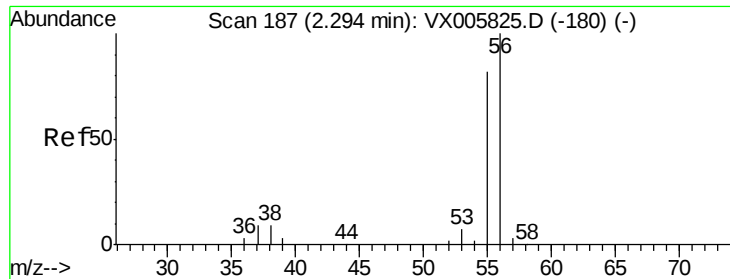
MMDadoda
11/19/2018 9:24:42 AM



#12
1,1-Dichloroethene
Concen: 18.49 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 96 Resp: 18787
Ion Ratio Lower Upper
96 100
61 176.2 131.8 197.8
98 63.2 53.4 80.2





#13

Acrolein

Concen: 69.60 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 56 Resp: 9858

Ion Ratio Lower Upper

56 100

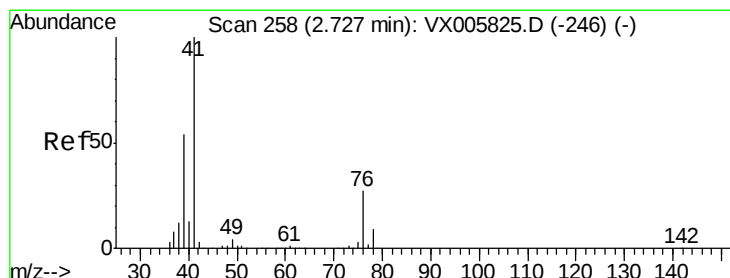
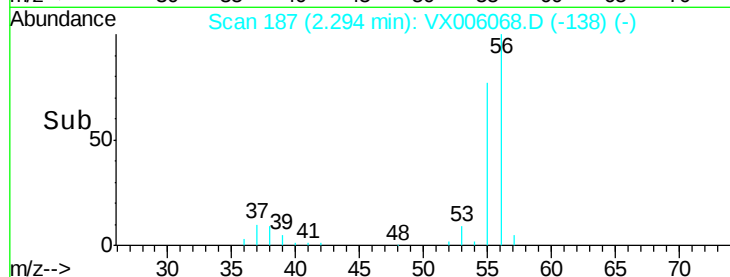
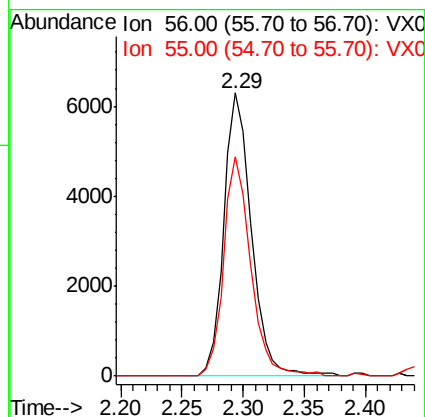
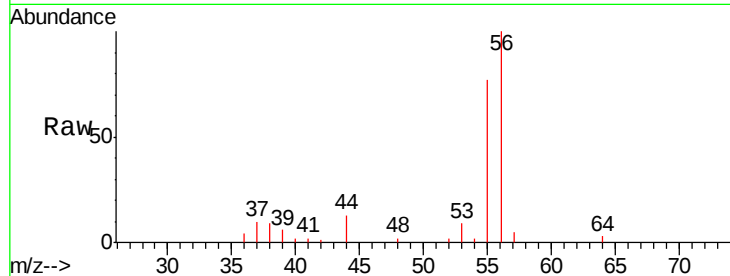
55 76.1 57.3 85.9

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#14

Allyl chloride

Concen: 19.47 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

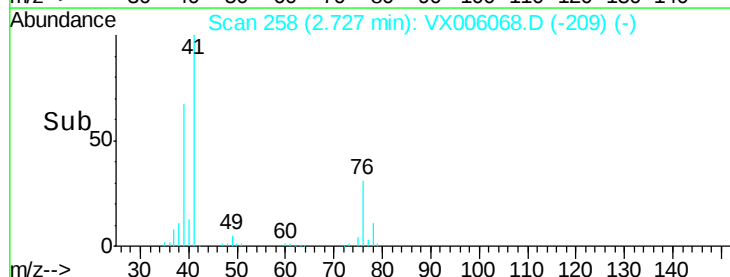
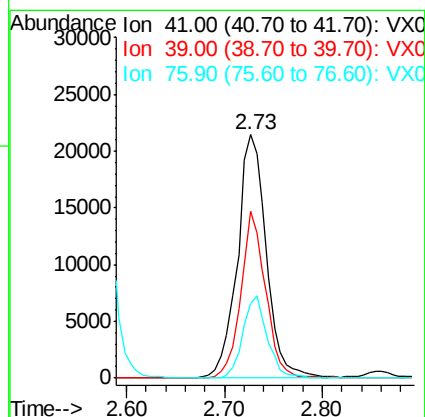
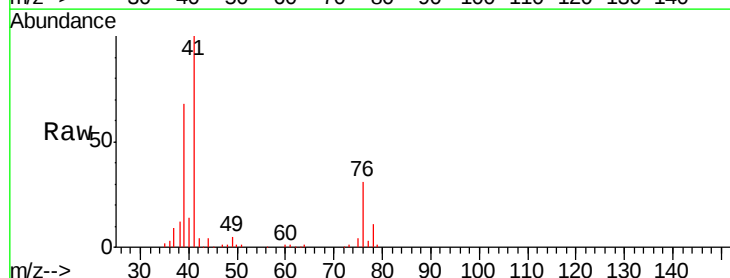
Tgt Ion: 41 Resp: 44184

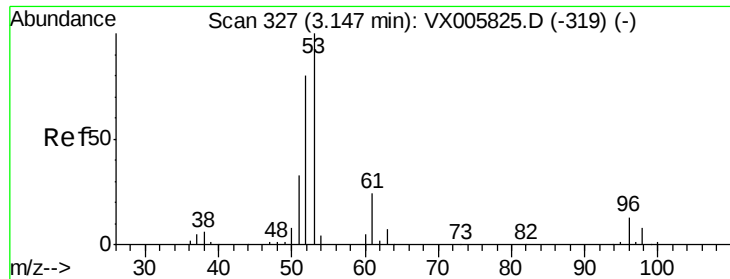
Ion Ratio Lower Upper

41 100

39 58.3 48.2 72.4

76 28.4 21.9 32.9





#15

Acrylonitrile

Concen: 106.30 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

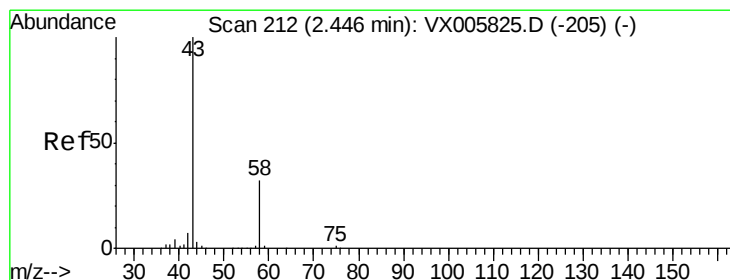
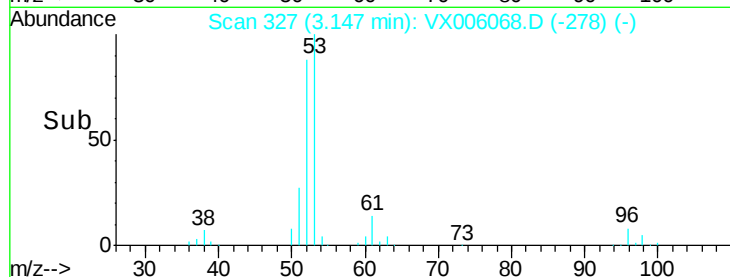
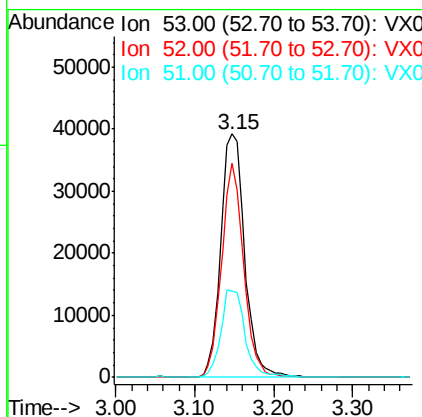
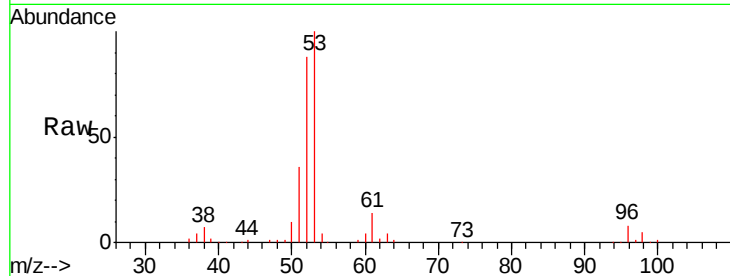
ClientSampleId :

VX1117WBSD01

Tgt Ion:	53	Resp:	83377
Ion Ratio	Lower	Upper	
53	100		
52	80.9	66.6	99.8
51	36.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 104.72 ug/l

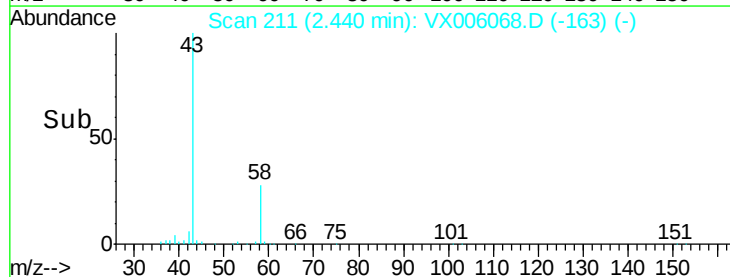
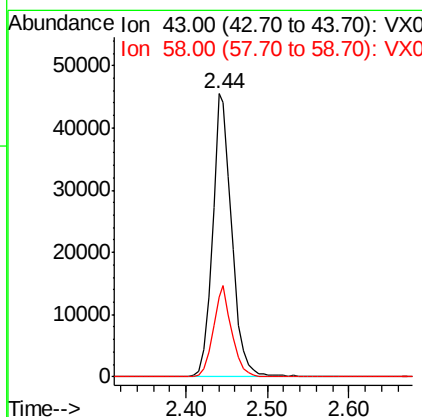
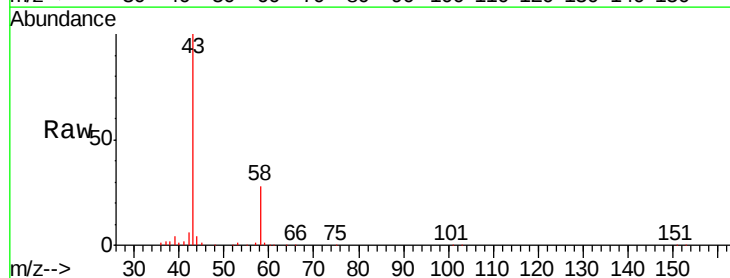
RT: 2.44 min Scan# 211

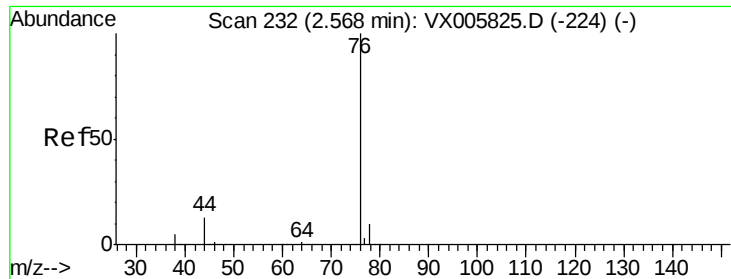
Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	43	Resp:	74494
Ion Ratio	Lower	Upper	
43	100		
58	28.1	23.8	35.6





#17

Carbon Disulfide

Concen: 15.99 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 76 Resp: 48456

Ion Ratio Lower Upper

76 100

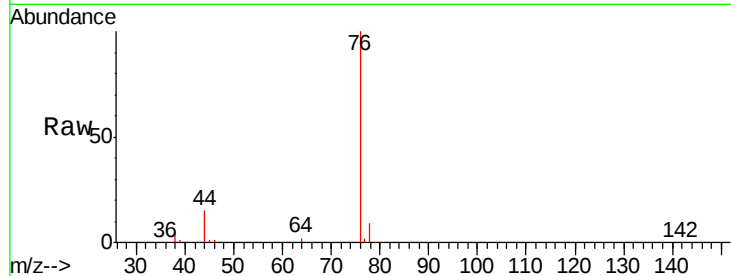
78 9.0 7.3 10.9

Manual Integrations

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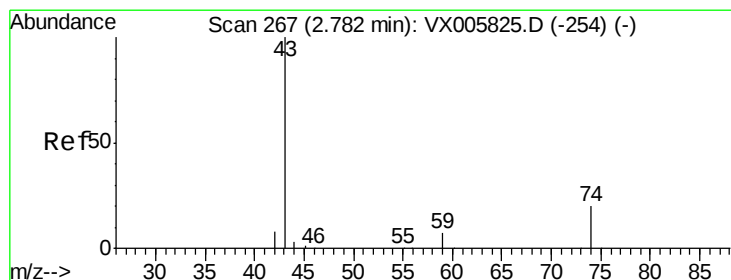
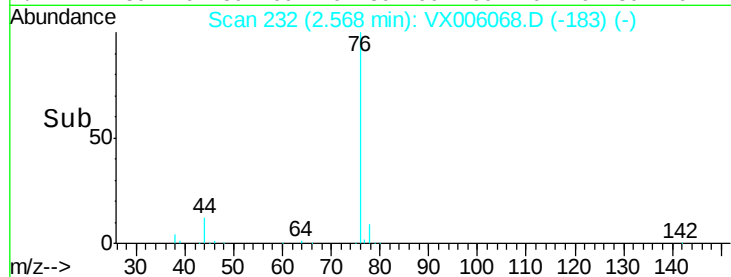
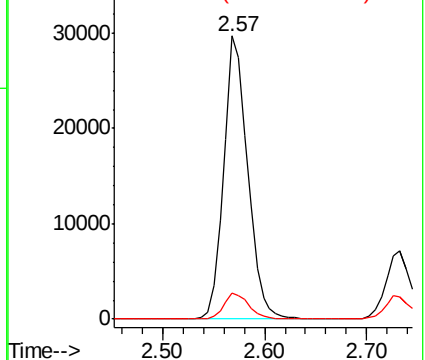
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.50 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006068.D

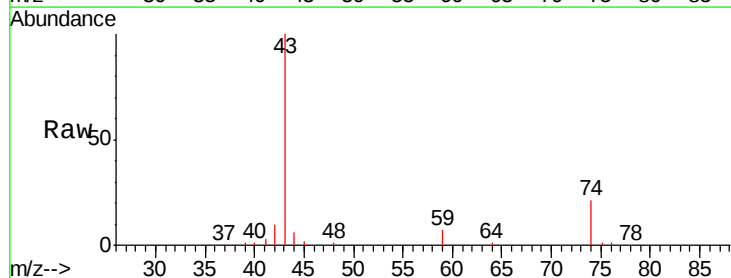
Acq: 17 Nov 2018 15:06

Tgt Ion: 43 Resp: 42592

Ion Ratio Lower Upper

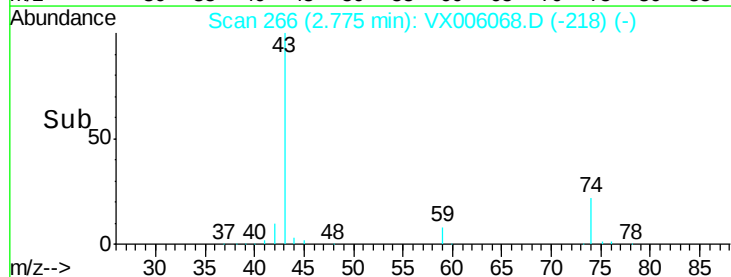
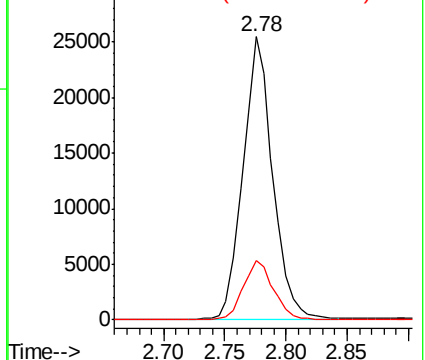
43 100

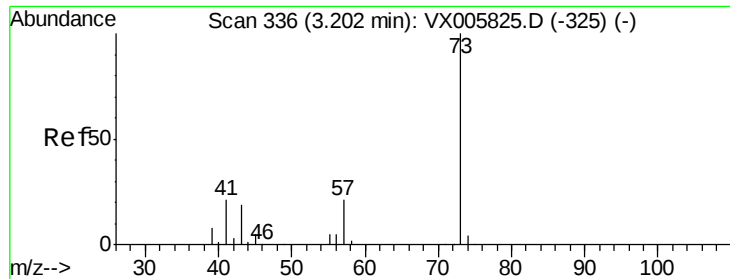
74 21.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





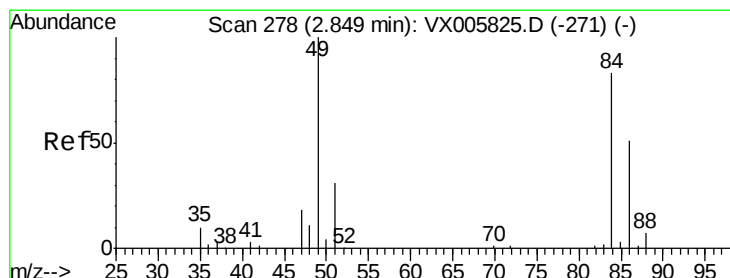
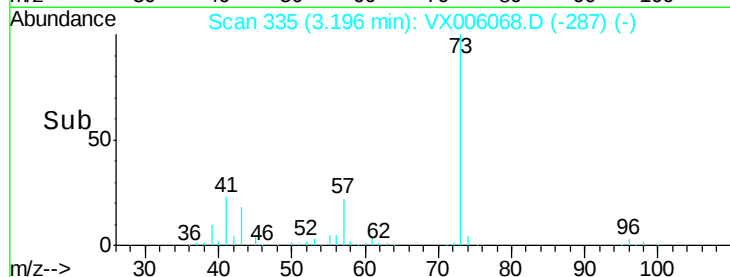
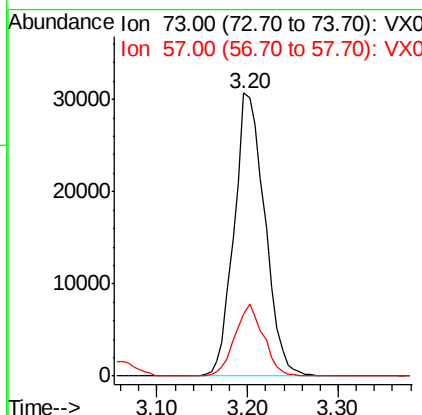
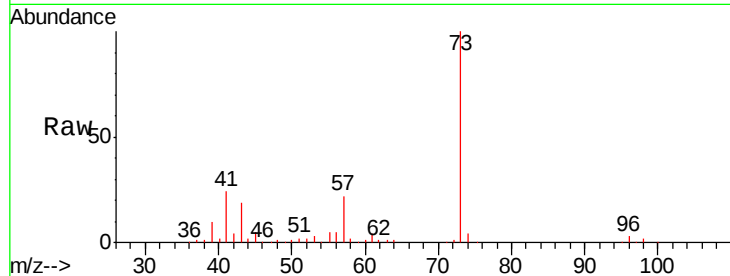
#19
Methyl tert-butyl Ether
Concen: 20.80 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion: 73 Resp: 72105
Ion Ratio Lower Upper
73 100
57 21.8 18.8 28.2

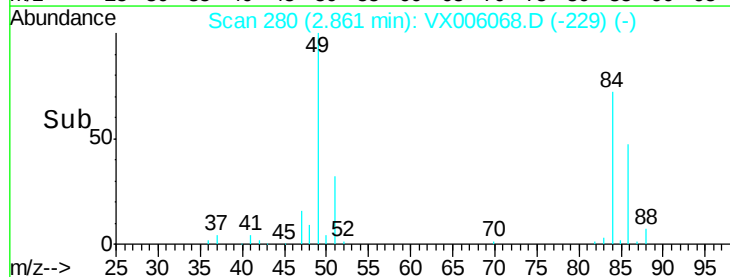
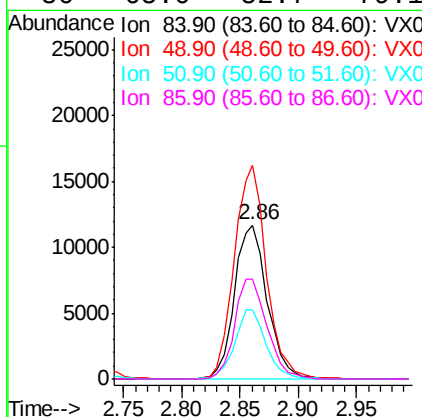
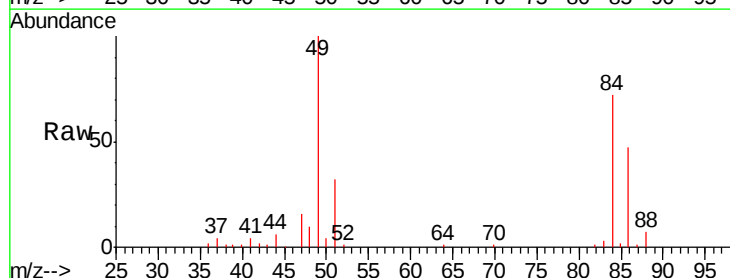
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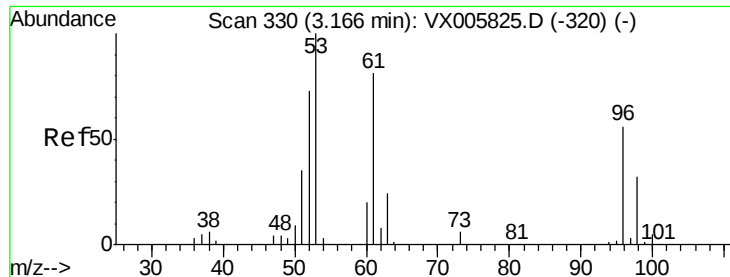
MMDadoda
11/19/2018 9:24:42 AM



#20
Methylene Chloride
Concen: 19.68 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 84 Resp: 23002
Ion Ratio Lower Upper
84 100
49 138.6 109.5 164.3
51 44.8 33.3 49.9
86 65.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.10 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 96 Resp: 20468

Ion Ratio Lower Upper

96 100

61 131.1 115.6 173.4

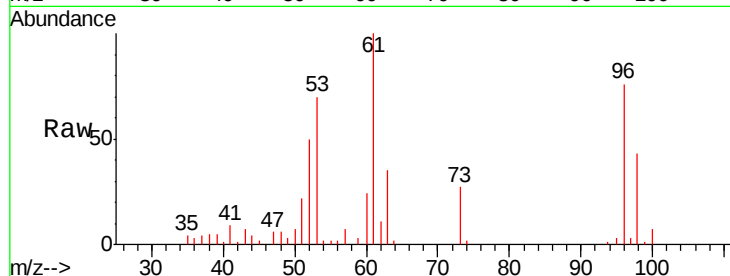
98 56.5 50.2 75.2

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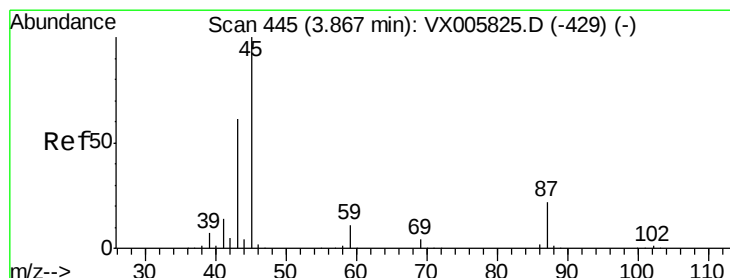
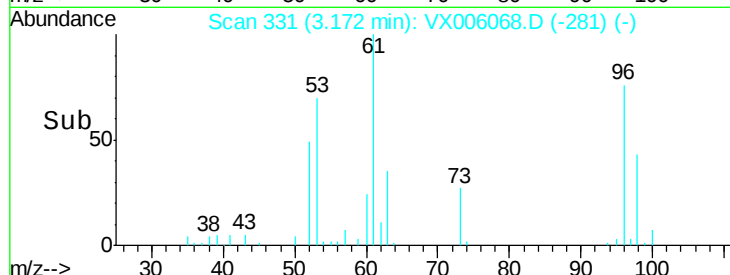
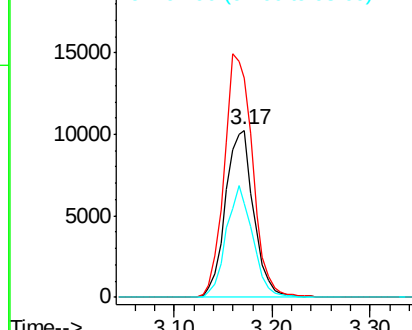


Abundance

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



#22

Diisopropyl ether

Concen: 20.56 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion: 45 Resp: 81729

Ion Ratio Lower Upper

45 100

43 62.4 47.4 71.2

87 22.8 15.9 23.9

59 11.0 7.7 11.5

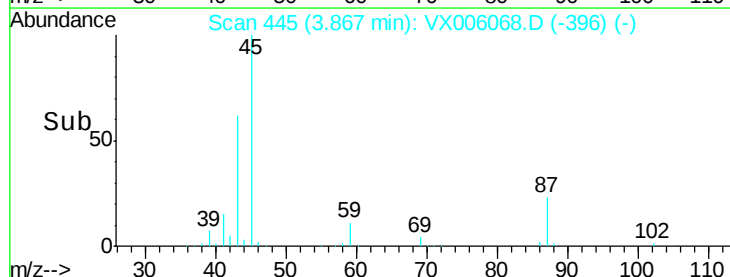
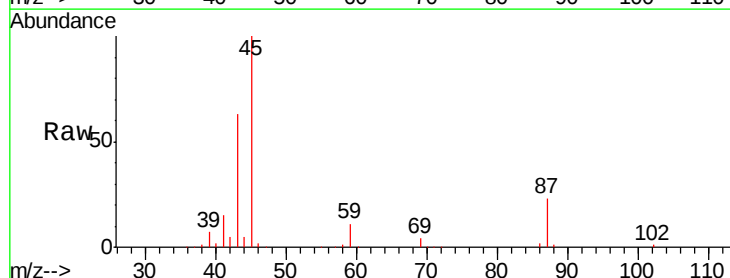
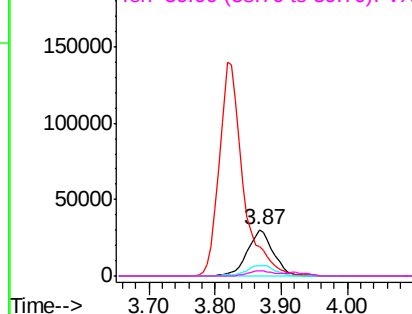
Abundance

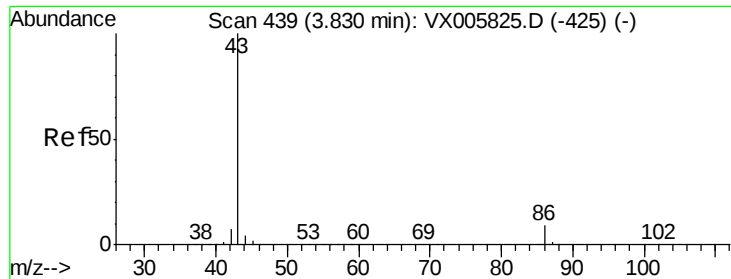
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 102.50 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 43 Resp: 349299

Ion Ratio Lower Upper

43 100

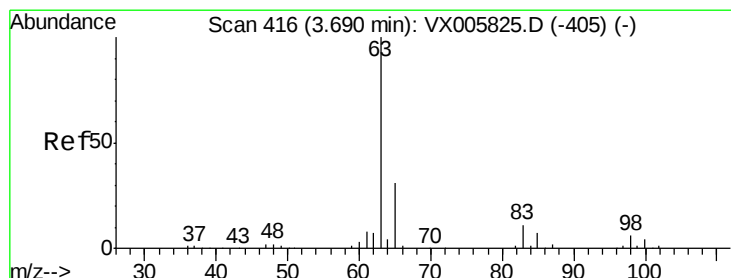
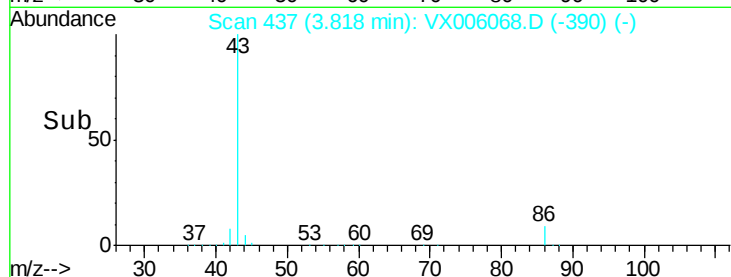
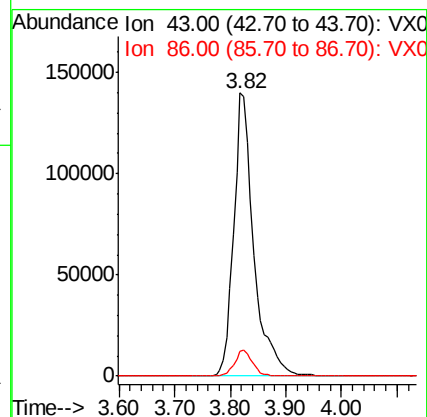
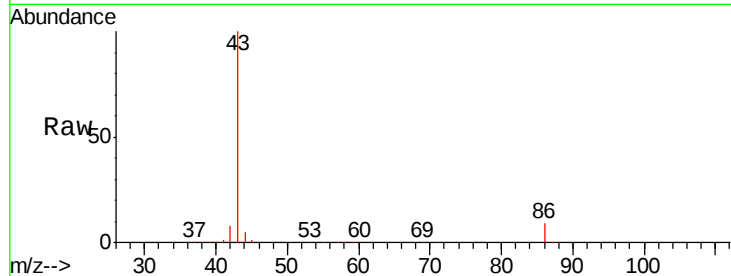
86 8.8 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 19.90 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

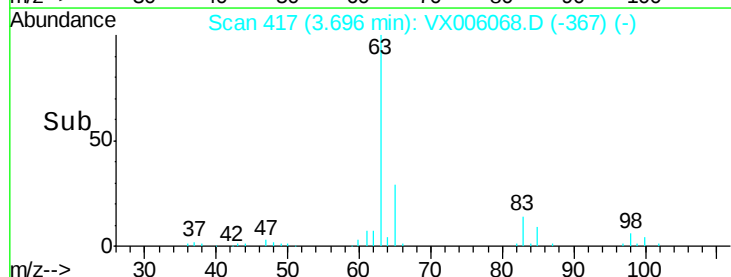
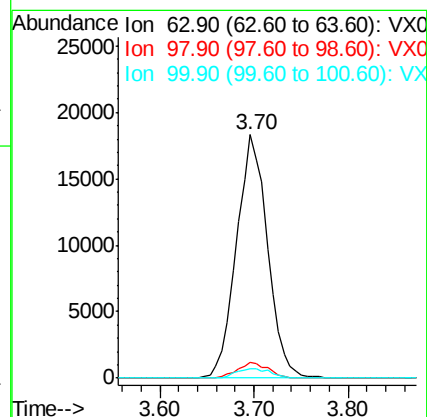
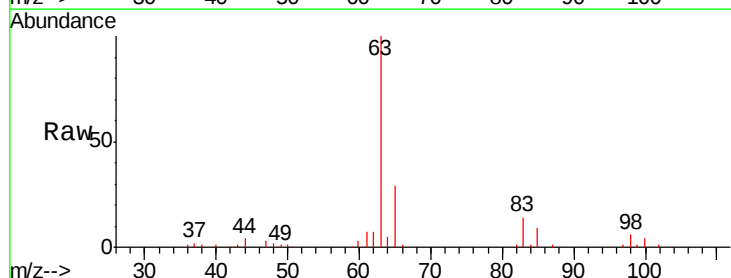
Tgt Ion: 63 Resp: 42194

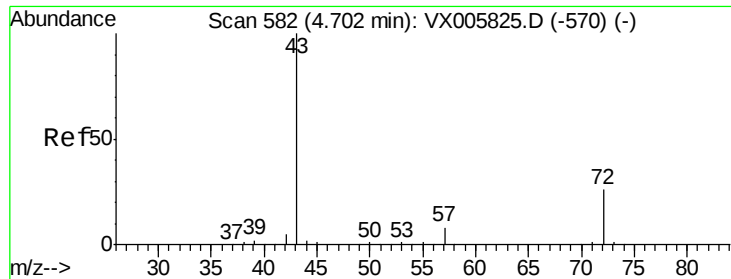
Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 101.22 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 43 Resp: 113201

Ion Ratio Lower Upper

43 100

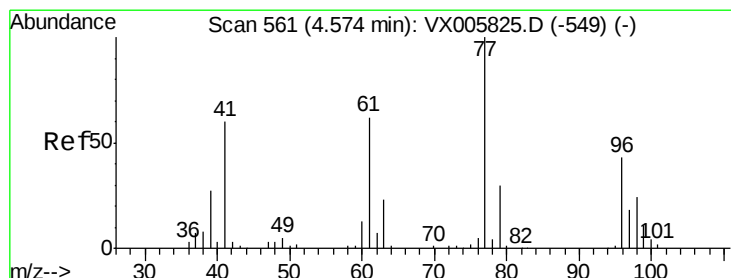
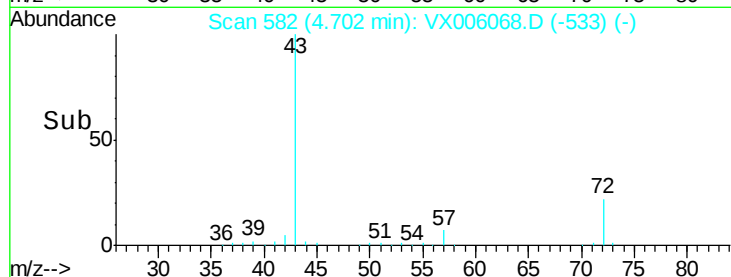
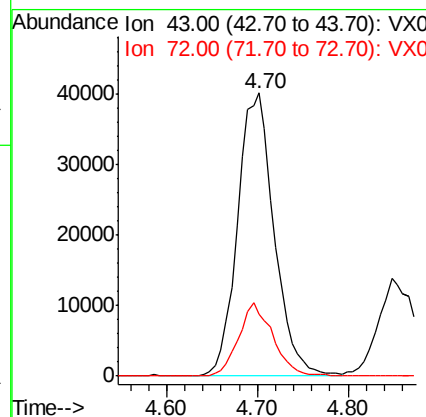
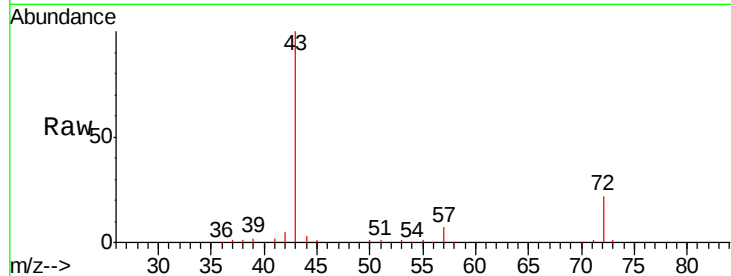
72 21.8 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.46 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006068.D

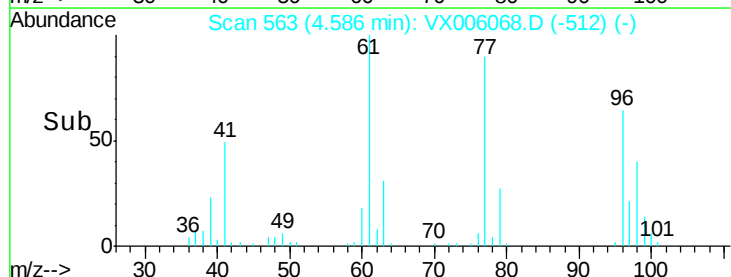
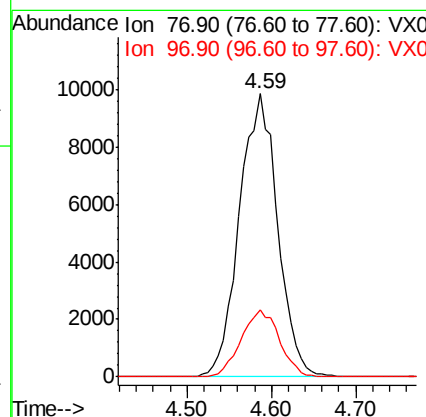
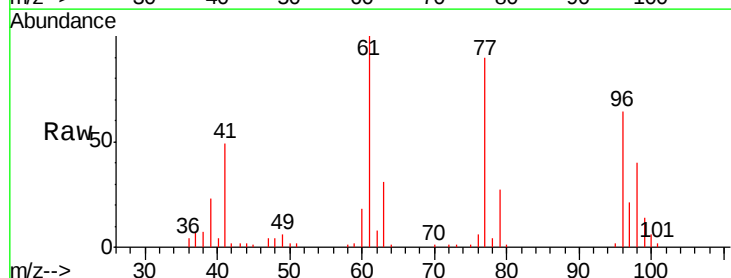
Acq: 17 Nov 2018 15:06

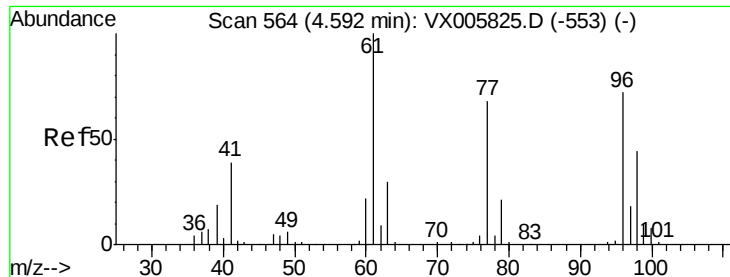
Tgt Ion: 77 Resp: 30261

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 19.77 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

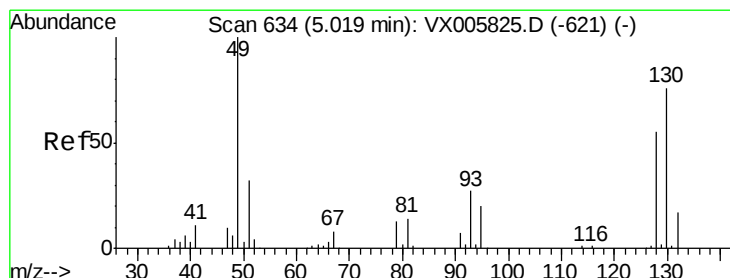
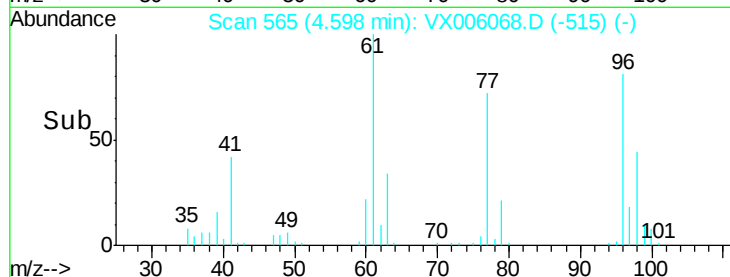
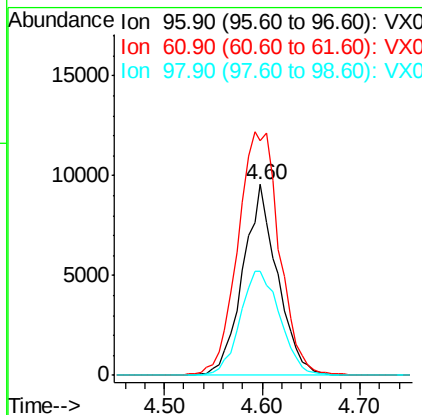
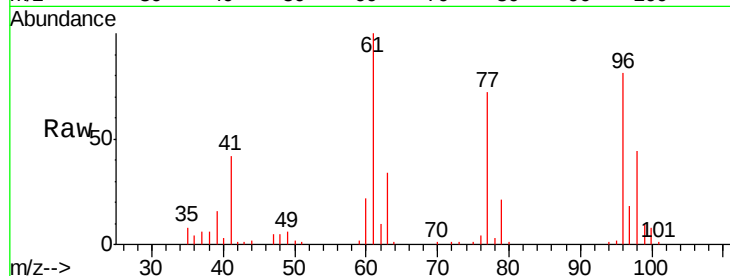
ClientSampleId :

VX1117WBSD01

Tgt Ion:	96	Resp:	23386
Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	304.6
98	63.2	0.0	127.4

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#28

Bromochloromethane

Concen: 21.99 ug/l

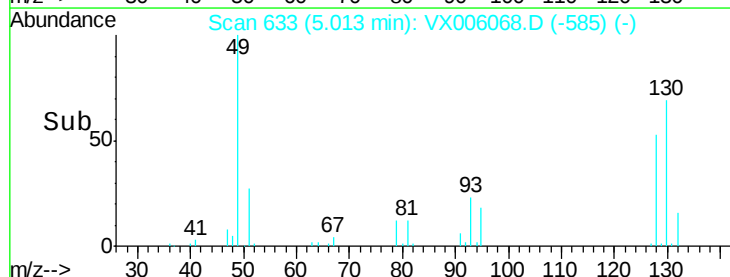
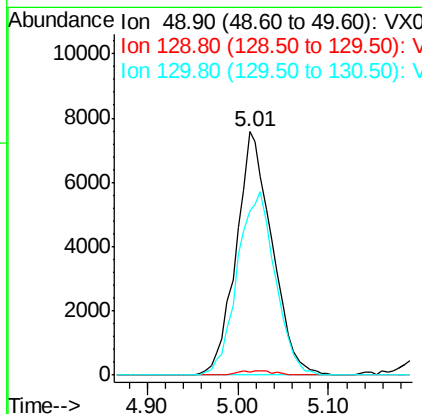
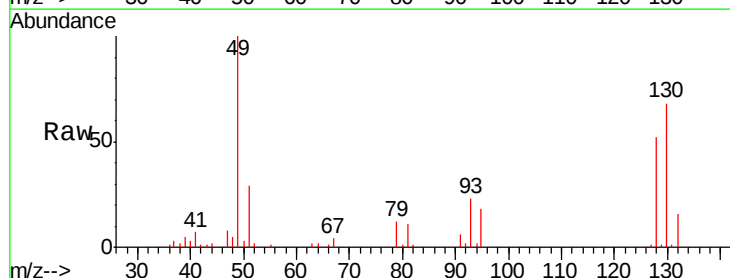
RT: 5.01 min Scan# 633

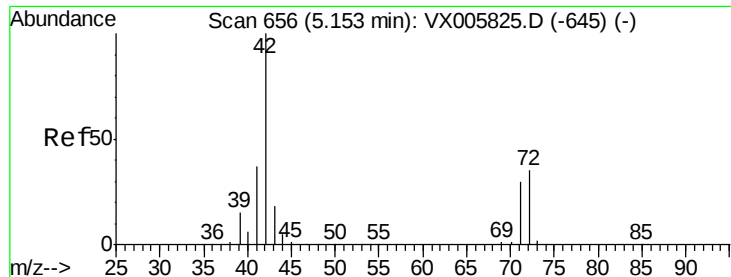
Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	49	Resp:	20836
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.0
130	78.8	58.9	88.3





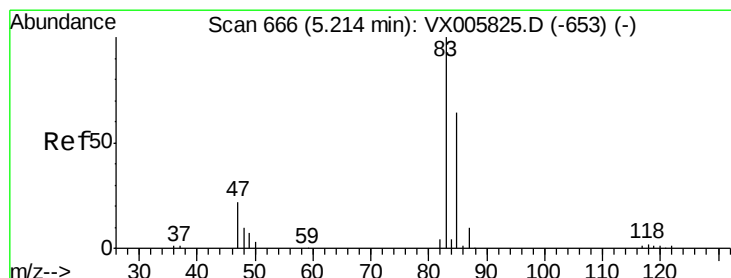
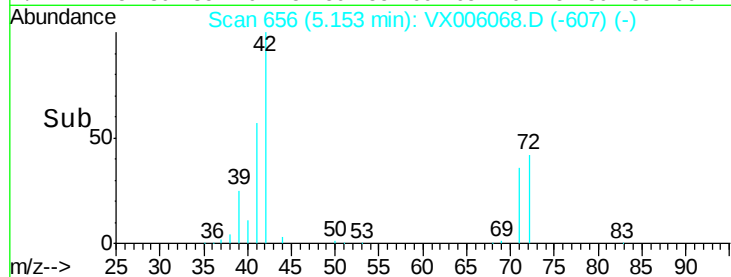
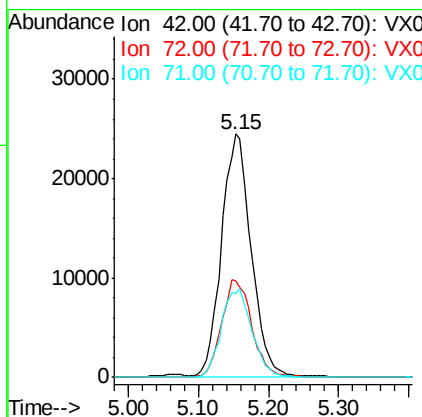
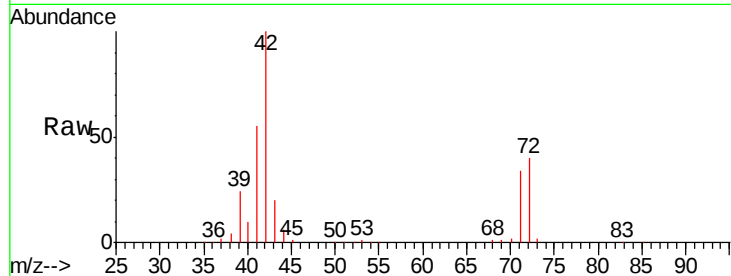
#29
Tetrahydrofuran
Concen: 100.74 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	37.5	29.8	44.8

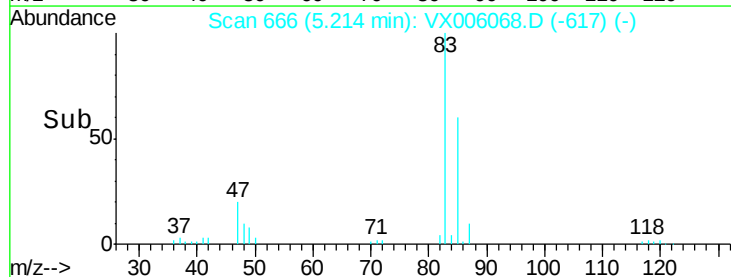
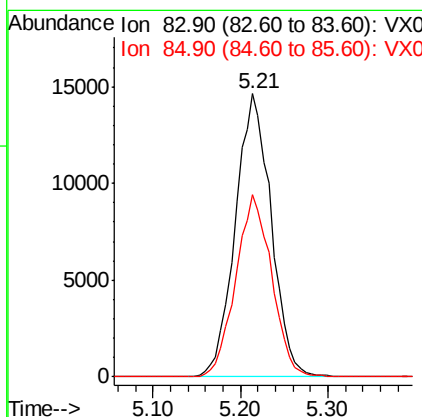
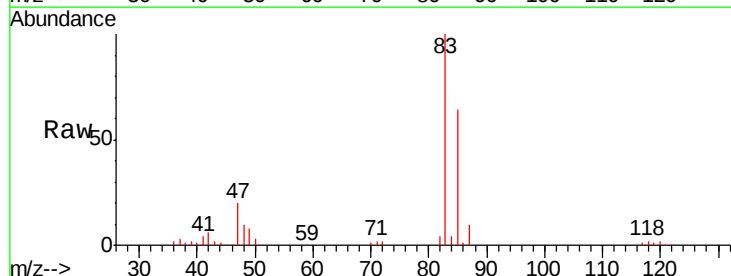
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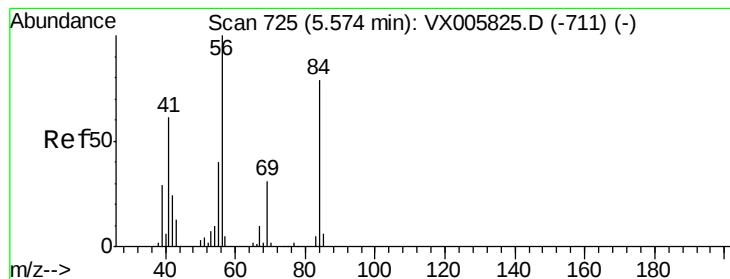
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#30
Chloroform
Concen: 20.36 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0





#31

Cyclohexane

Concen: 17.40 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 56 Resp: 32035

Ion Ratio Lower Upper

56 100

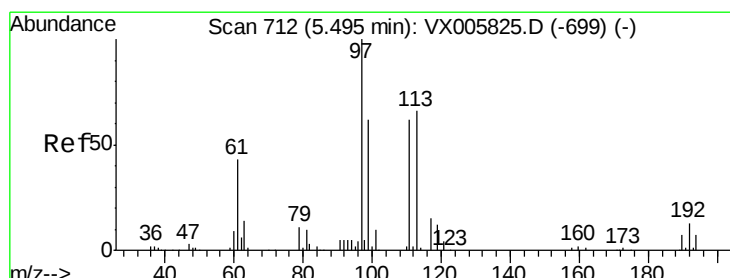
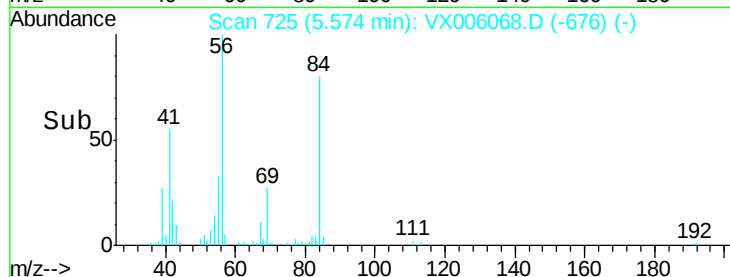
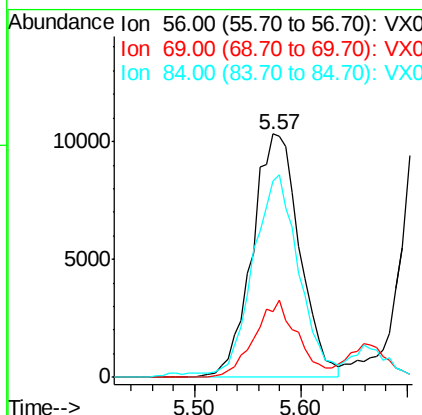
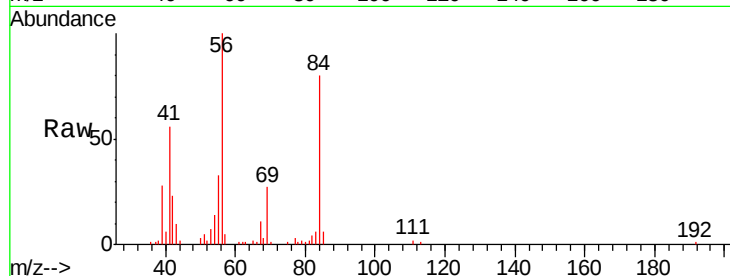
69 27.0 22.6 34.0

84 78.5 62.7 94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.36 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

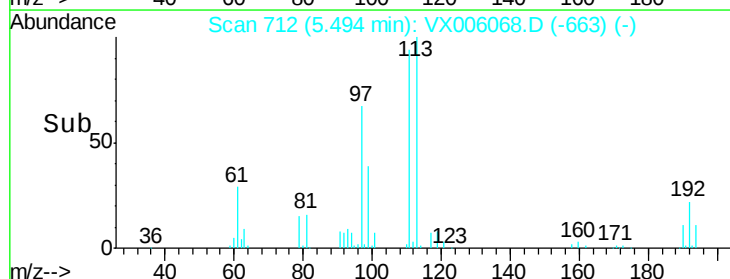
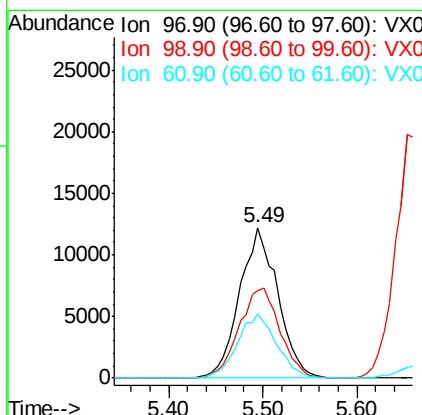
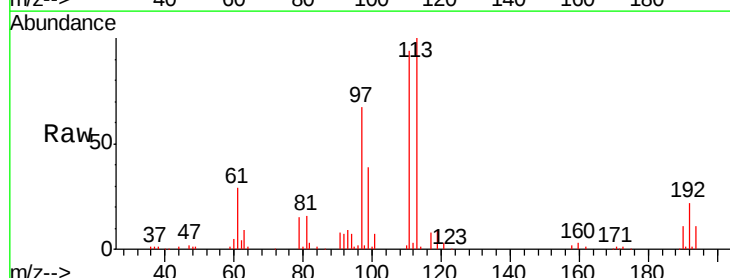
Tgt Ion: 97 Resp: 34741

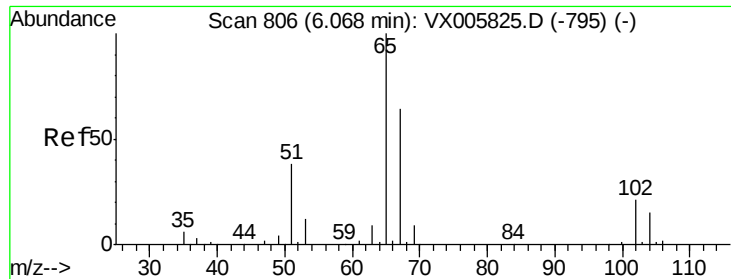
Ion Ratio Lower Upper

97 100

99 63.8 52.3 78.5

61 43.6 35.2 52.8





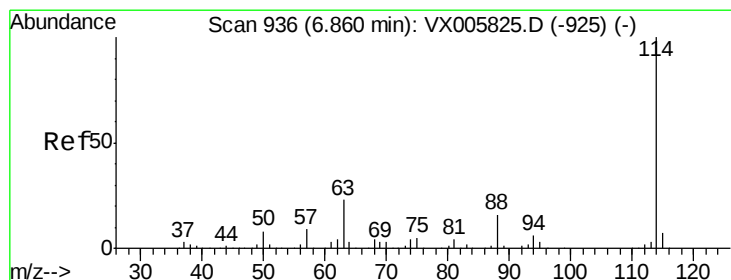
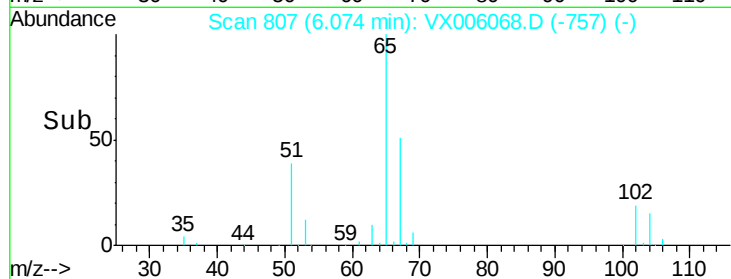
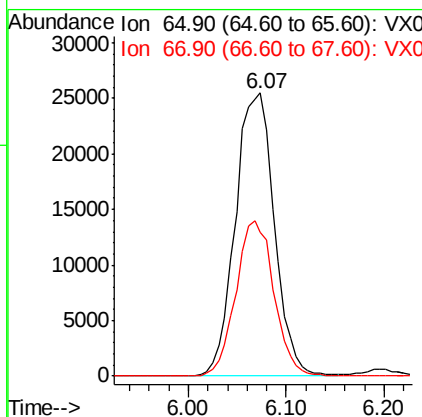
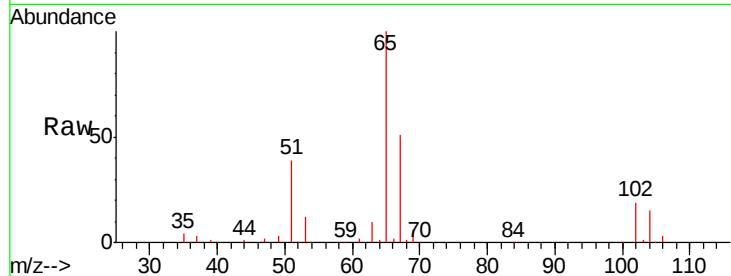
#33
 1,2-Dichloroethane-d4
 Concen: 53.29 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion: 65 Resp: 70412
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0

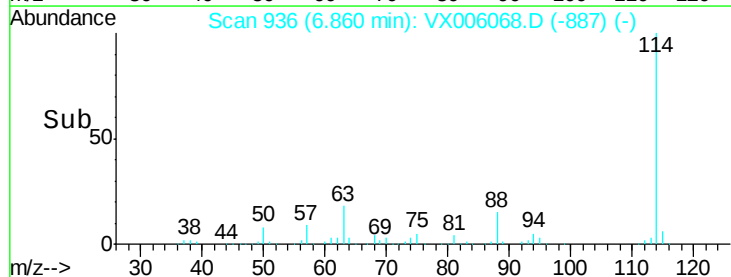
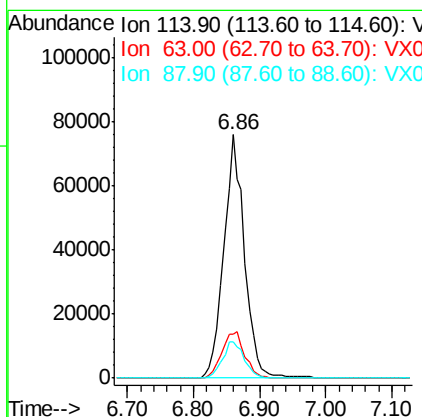
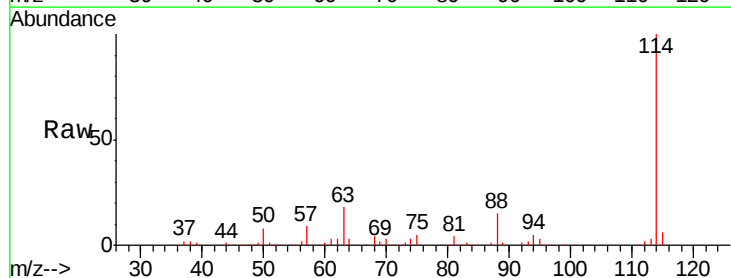
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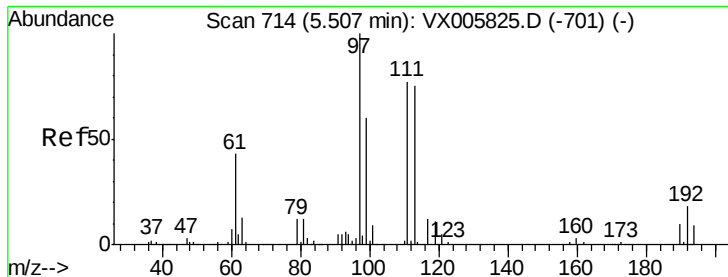
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 114 Resp: 164636
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.8
 88 14.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.95 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

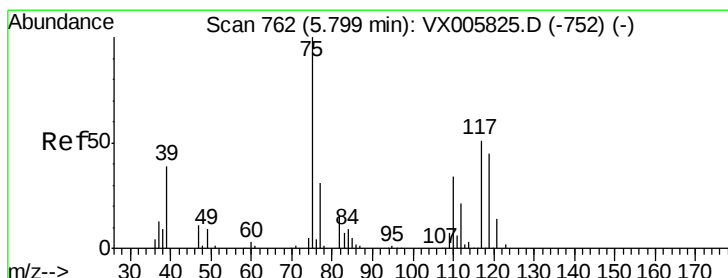
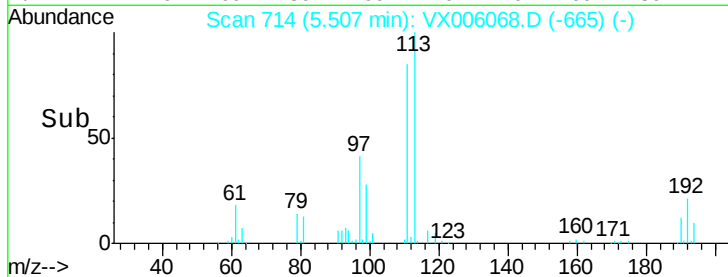
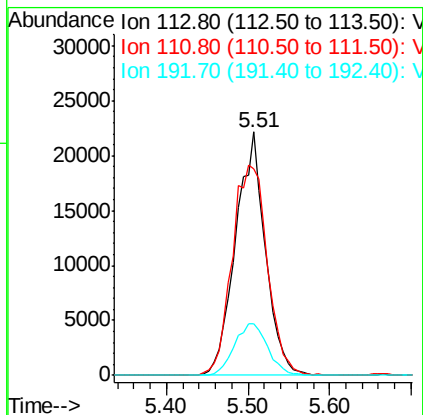
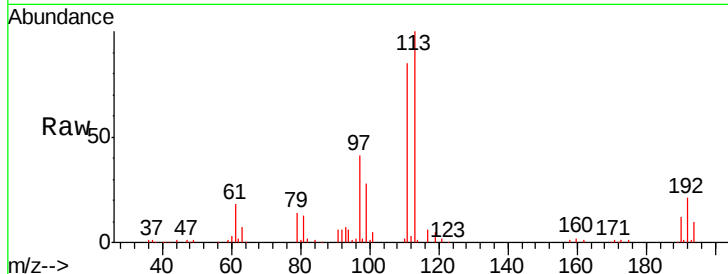
ClientSampleId :

VX1117WBSD01

Tgt Ion:	113	Resp:	55928
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.3	123.5
192	23.8	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 18.41 ug/l

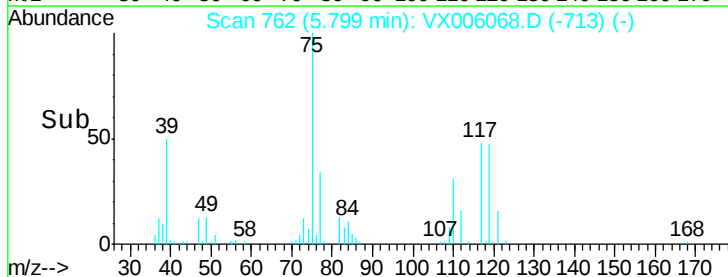
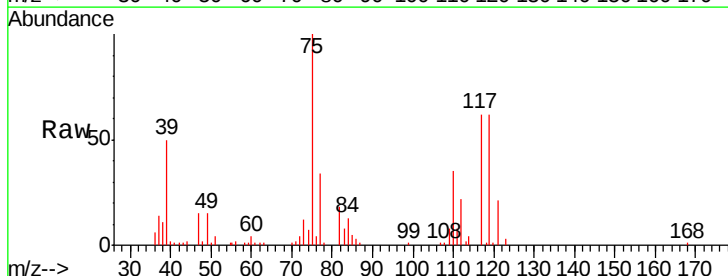
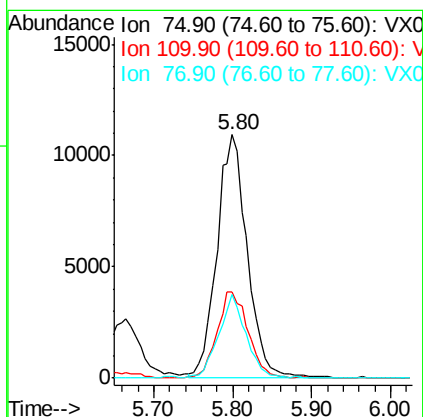
RT: 5.80 min Scan# 762

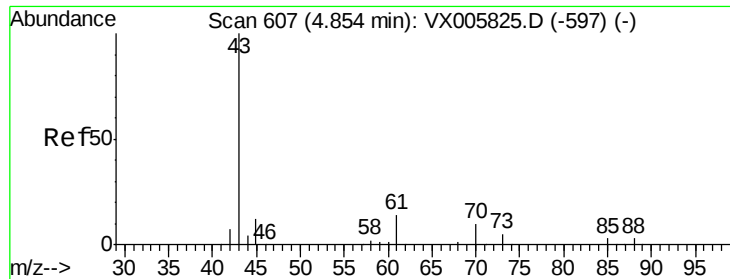
Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	75	Resp:	29226
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.4	52.2
77	30.9	25.8	38.6





#37

Ethyl Acetate

Concen: 18.90 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

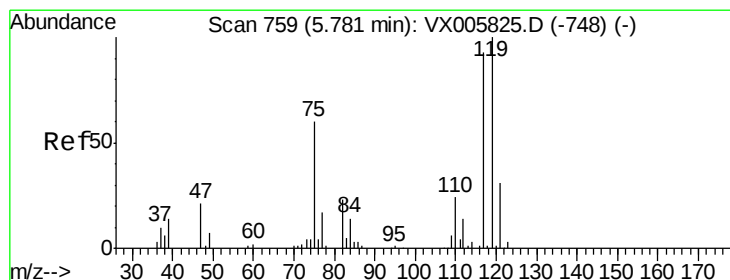
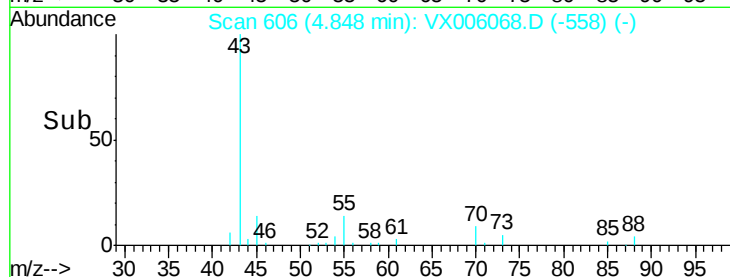
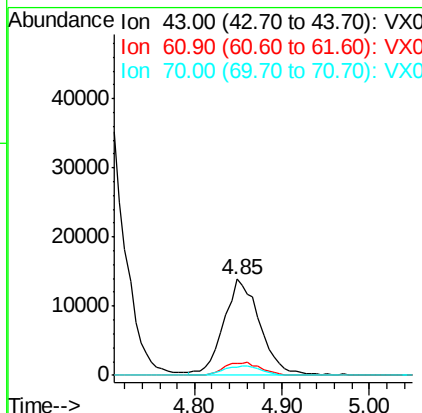
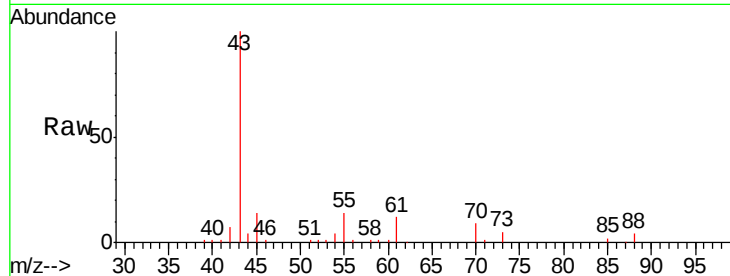
ClientSampleId :

VX1117WBSD01

Tgt Ion:	43	Resp:	39456
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.89 ug/l

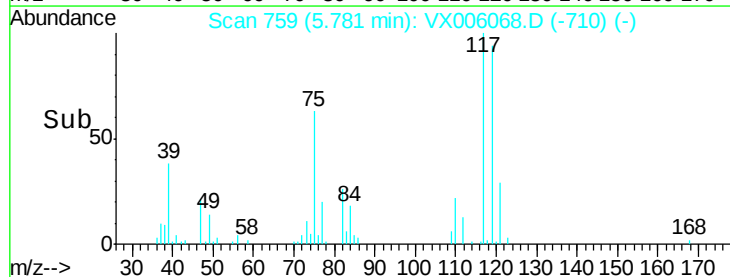
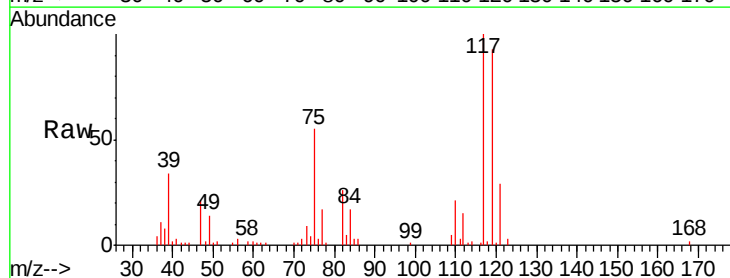
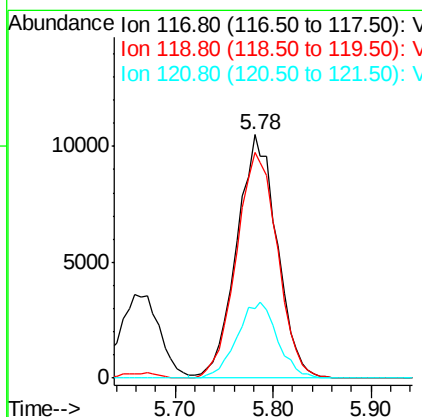
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	117	Resp:	30007
Ion	Ratio	Lower	Upper
117	100		
119	92.7	78.1	117.1
121	28.6	24.6	36.8





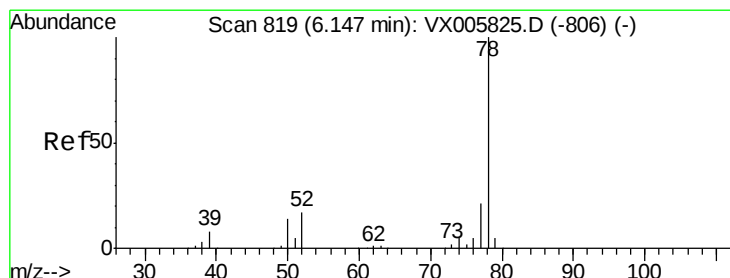
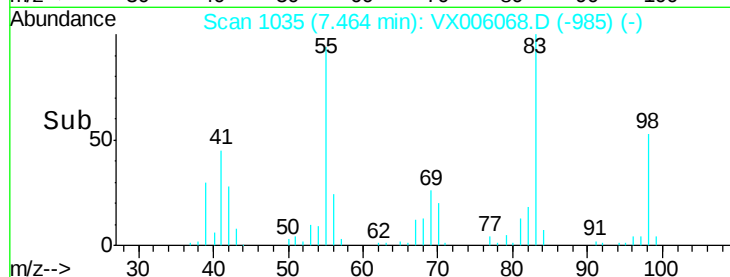
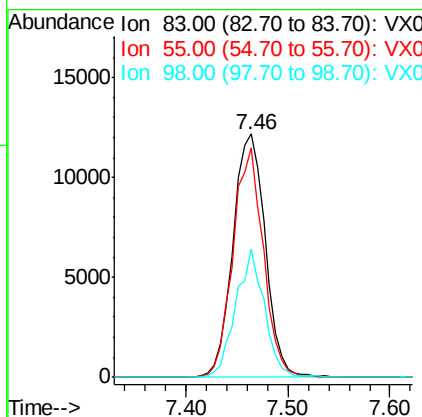
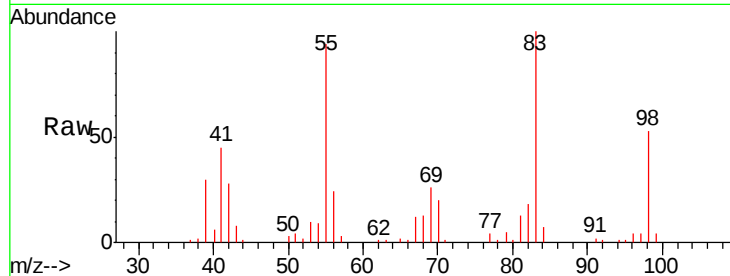
#39
Methylcyclohexane
Concen: 16.63 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.2	63.7	95.5
98	52.8	36.2	54.2

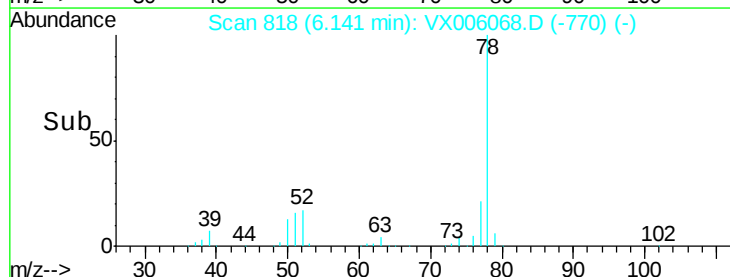
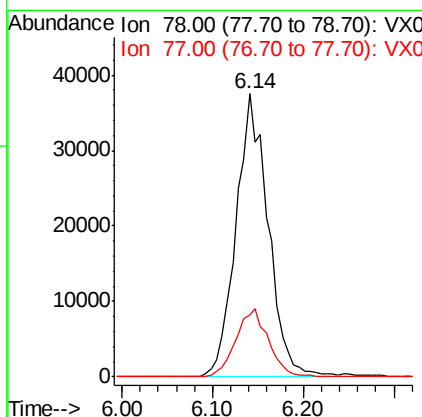
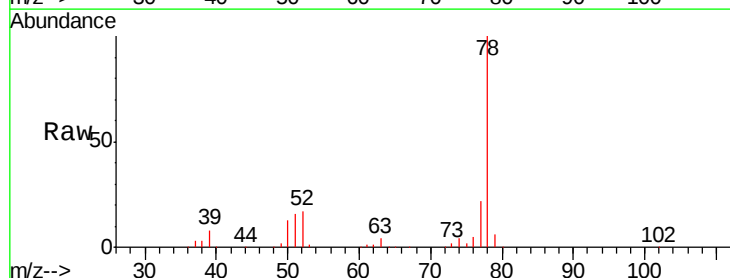
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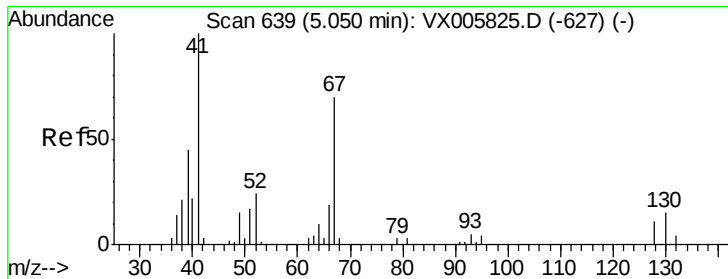
MMDadoda
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#40
Benzene
Concen: 19.95 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.4	27.6





#41

Methacrylonitrile

Concen: 19.24 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

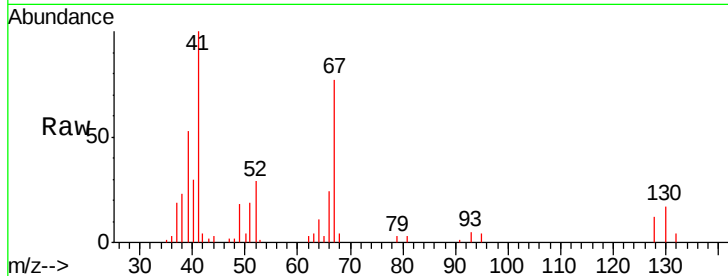
ClientSampleId :

VX1117WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.2	63.2	
67	71.1	53.4	80.0	
52	28.8	23.4	35.2	

Manual Integrations
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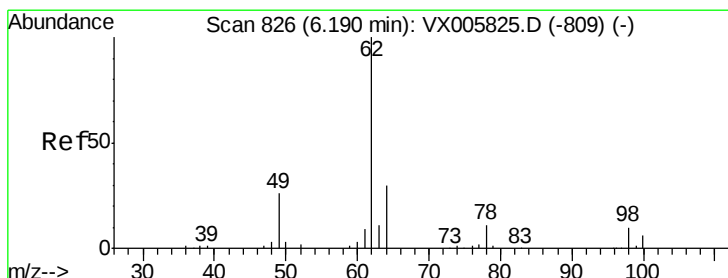
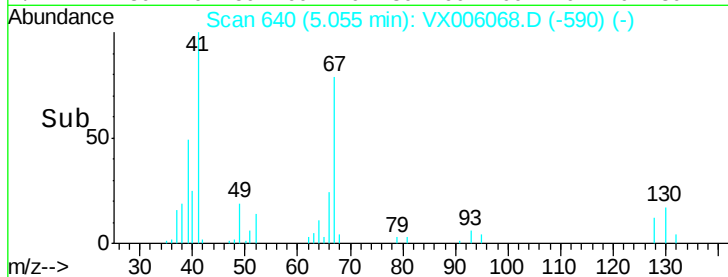
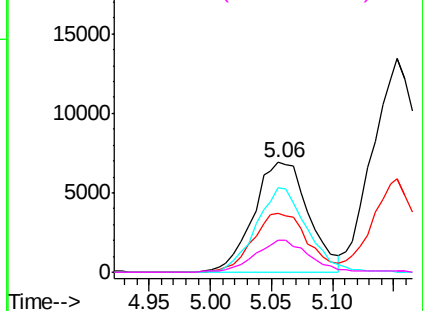


Abundance Ion 41.00 (40.70 to 41.70): VX005825.D (-627) (-)

Ion 39.00 (38.70 to 39.70): VX005825.D (-627) (-)

Ion 67.00 (66.70 to 67.70): VX005825.D (-627) (-)

Ion 52.00 (51.70 to 52.70): VX005825.D (-627) (-)



#42

1,2-Dichloroethane

Concen: 19.97 ug/l

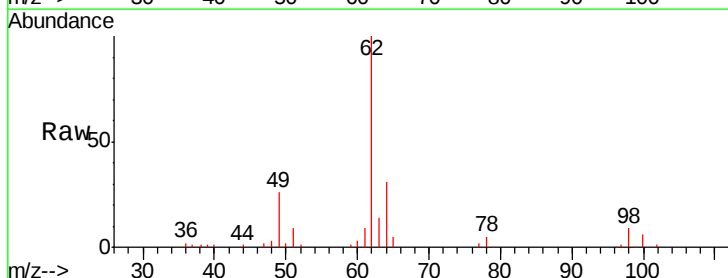
RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX006068.D

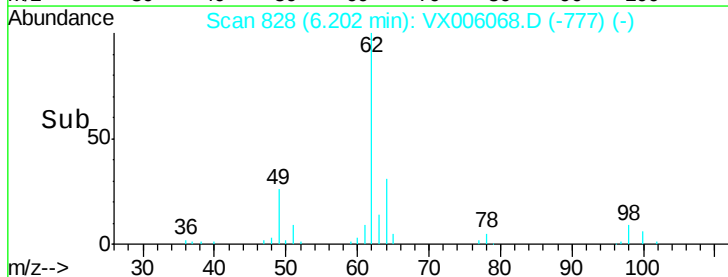
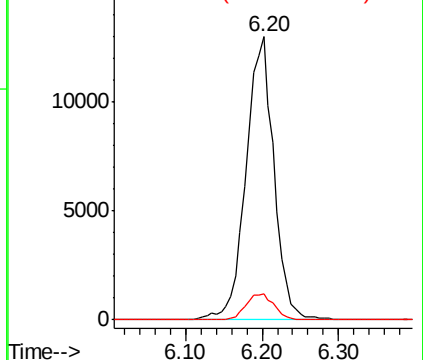
Acq: 17 Nov 2018 15:06

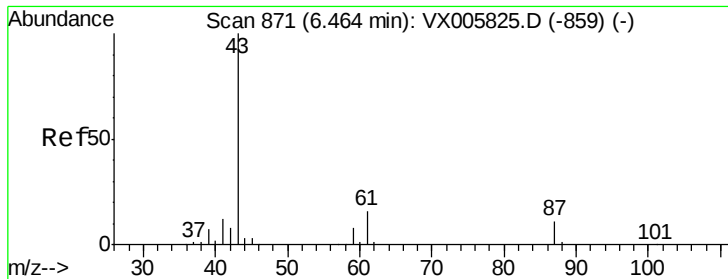
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VX005825.D (-809) (-)

Ion 97.90 (97.60 to 98.60): VX005825.D (-809) (-)





#43

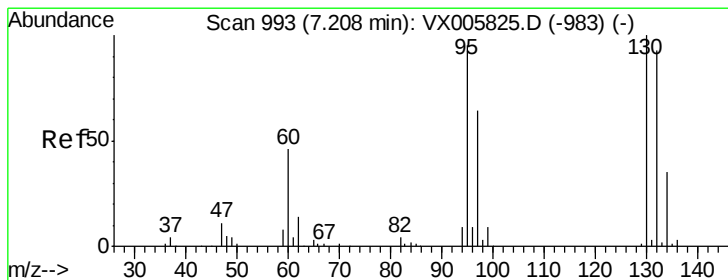
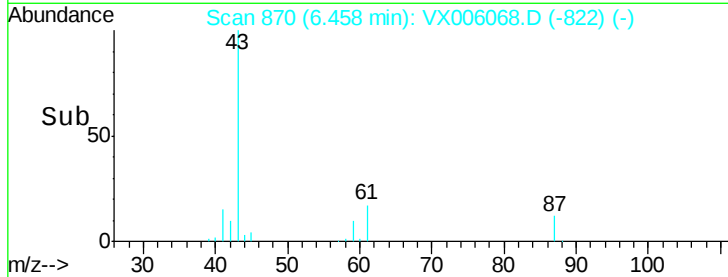
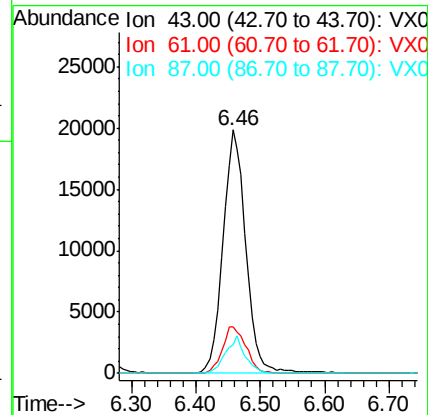
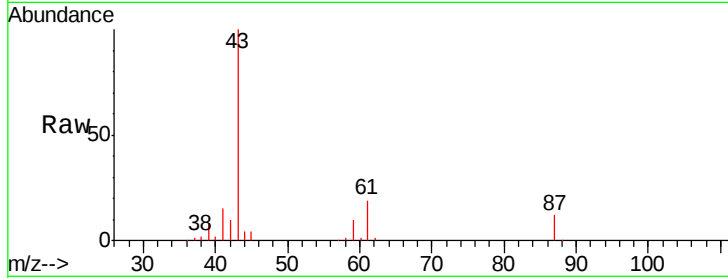
Isopropyl Acetate
 Concen: 16.44 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.6	22.0
87	13.0	9.6	14.4

Manual Integrations
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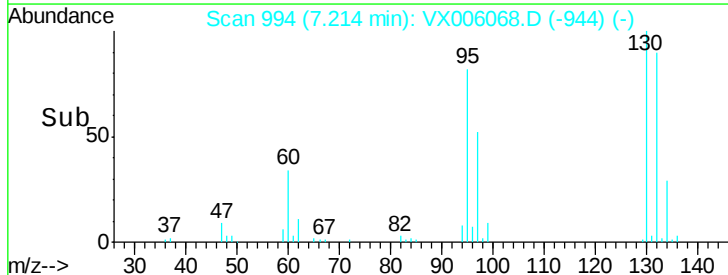
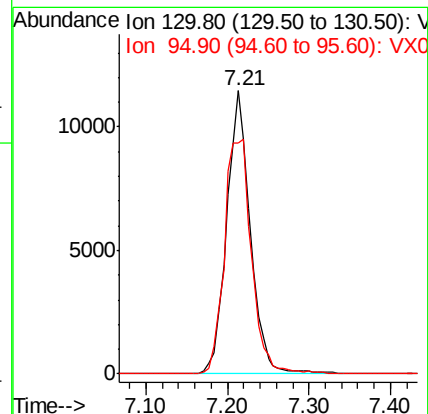
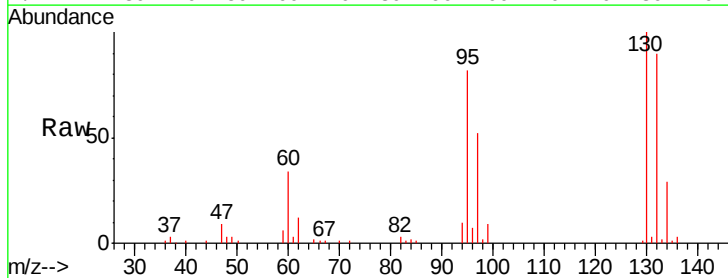
MMDadoda
 11/19/2018 9:24:42 AM

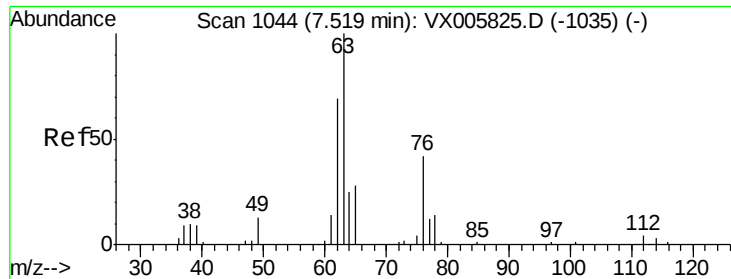


#44

Trichloroethene
 Concen: 19.62 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	194.2





#45

1,2-Dichloropropane

Concen: 21.01 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 63 Resp: 23593

Ion Ratio Lower Upper

63 100

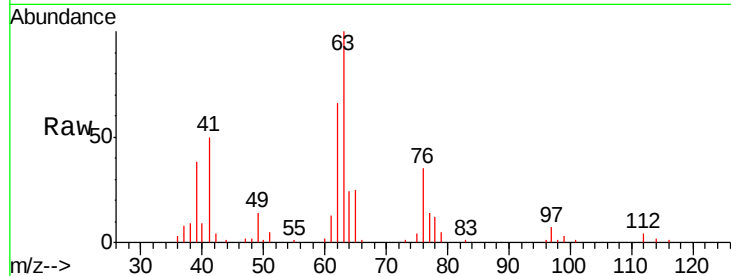
65 25.0 24.8 37.2

Manual Integrations

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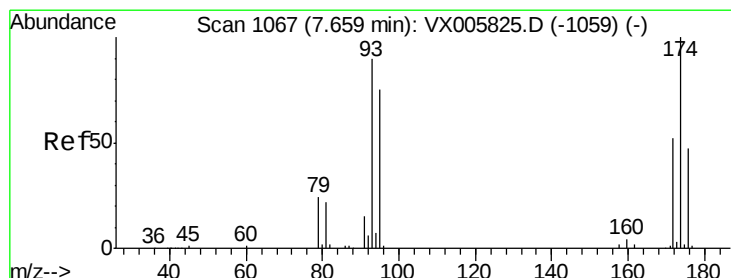
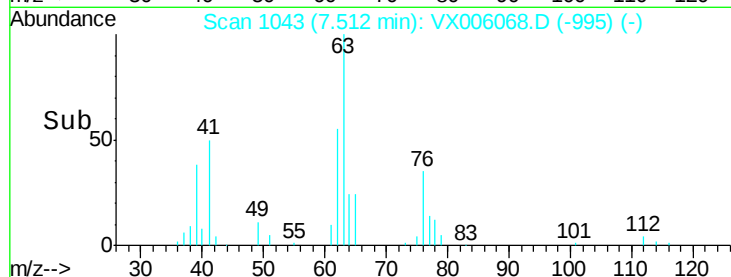
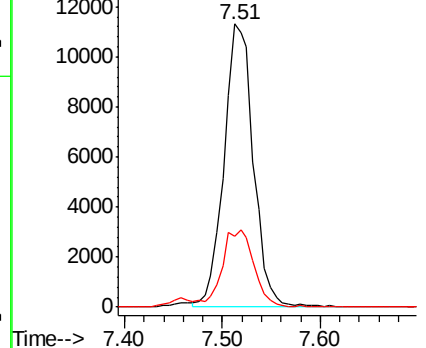
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.23 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

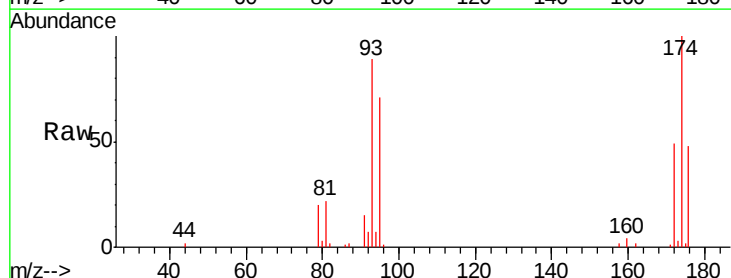
Tgt Ion: 93 Resp: 13550

Ion Ratio Lower Upper

93 100

95 83.8 67.4 101.0

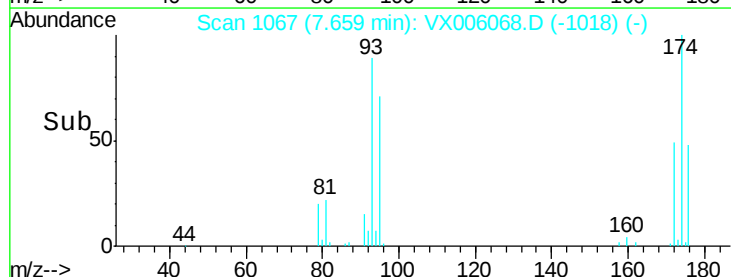
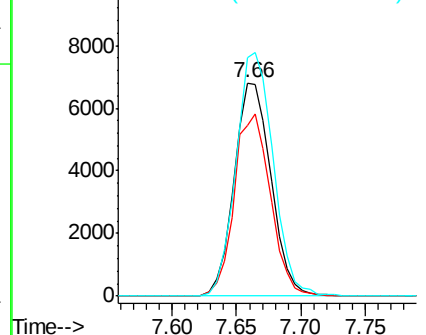
174 115.1 91.5 137.3

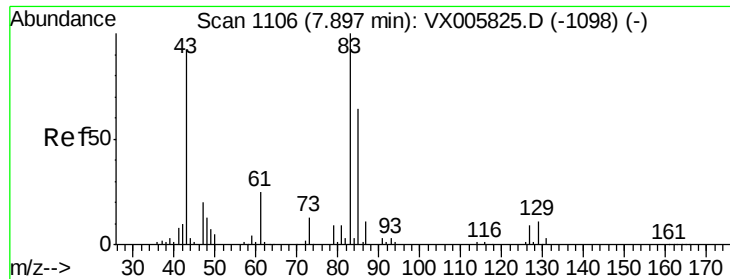


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.14 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

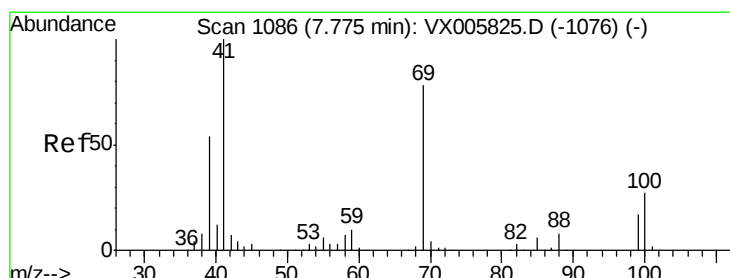
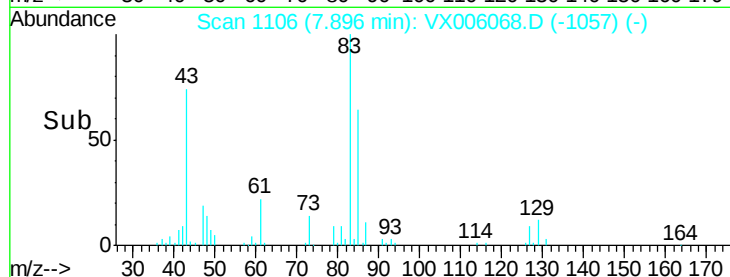
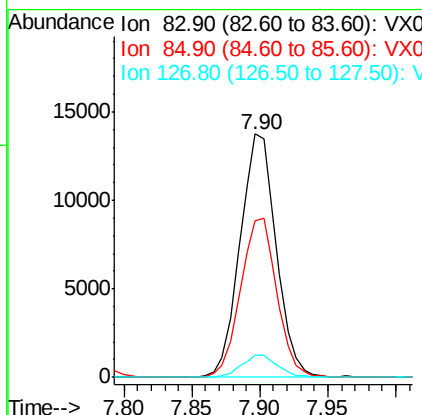
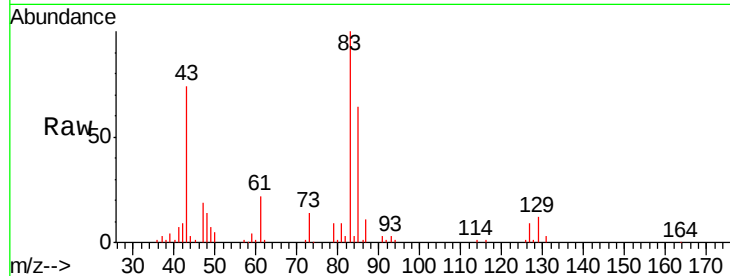
ClientSampleId :

VX1117WBSD01

Tgt Ion:	83	Resp:	25488
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.2	75.4
127	9.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.43 ug/l

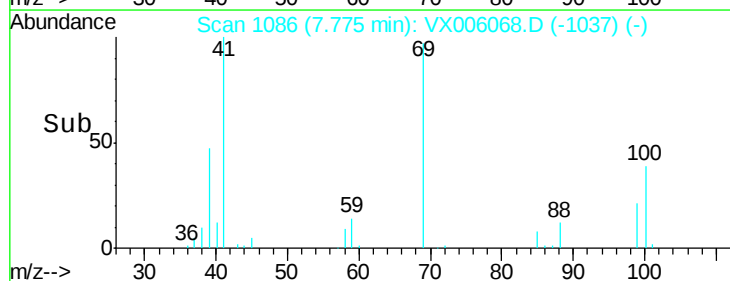
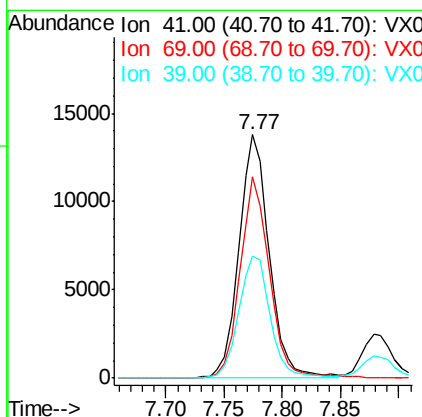
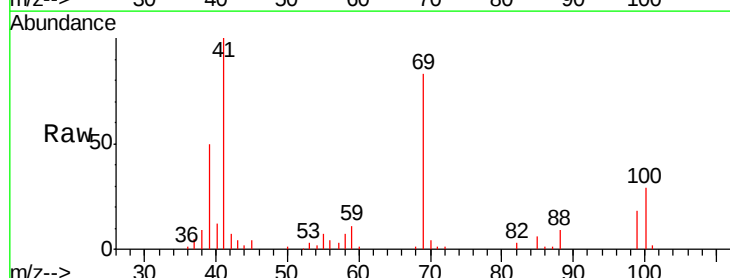
RT: 7.77 min Scan# 1086

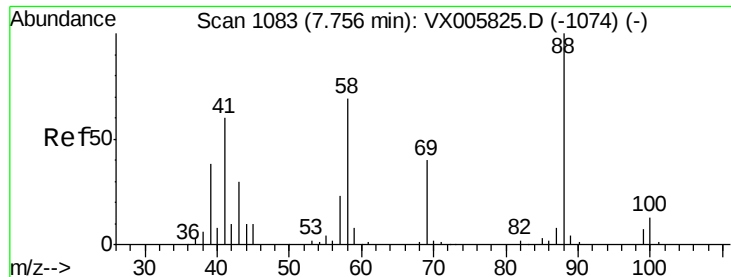
Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	41	Resp:	25023
Ion	Ratio	Lower	Upper
41	100		
69	80.0	63.2	94.8
39	52.2	42.2	63.2





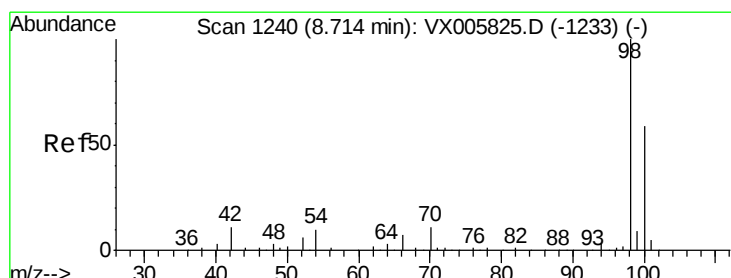
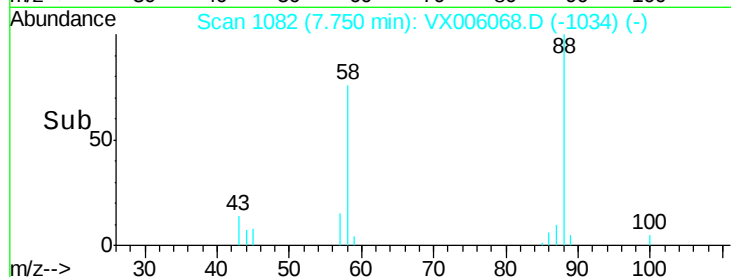
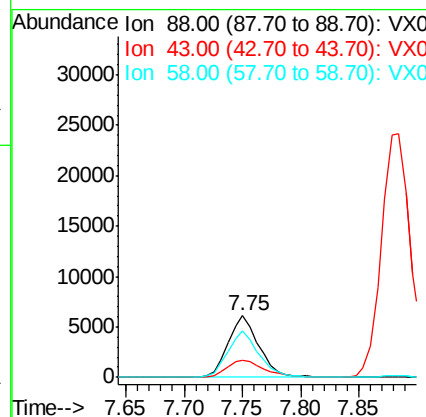
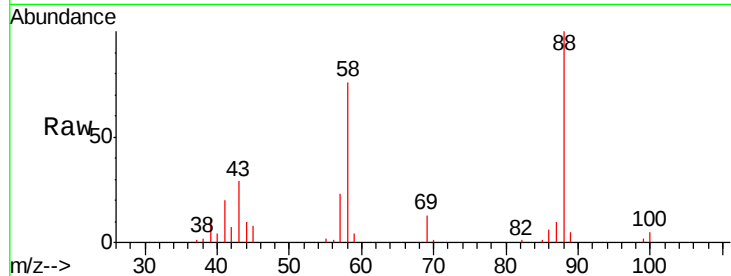
#49
1,4-Dioxane
Concen: 380.98 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.4	41.0
58	76.3	59.4	89.2

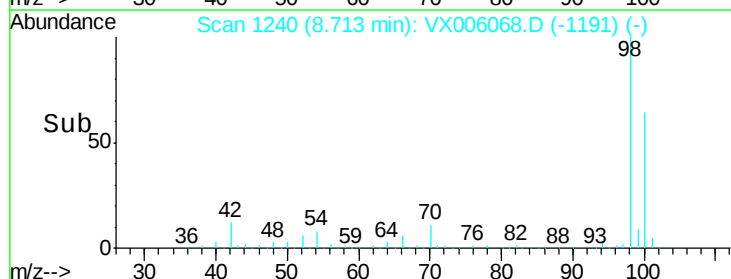
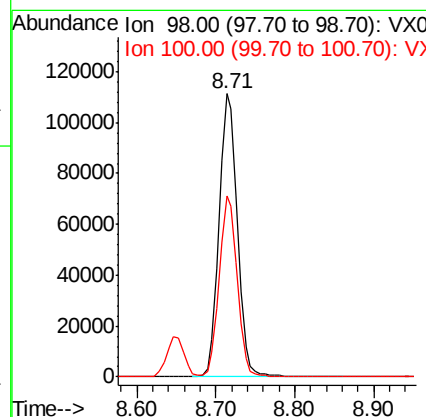
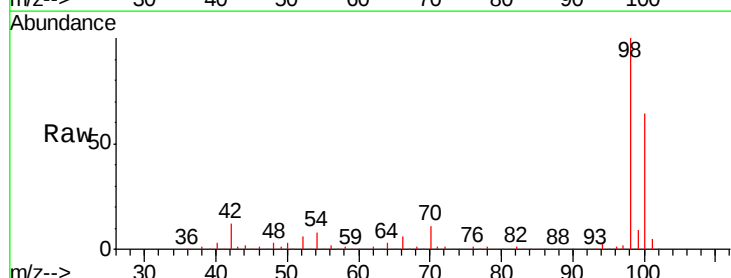
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#50
Toluene-d8
Concen: 48.36 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.3	76.9





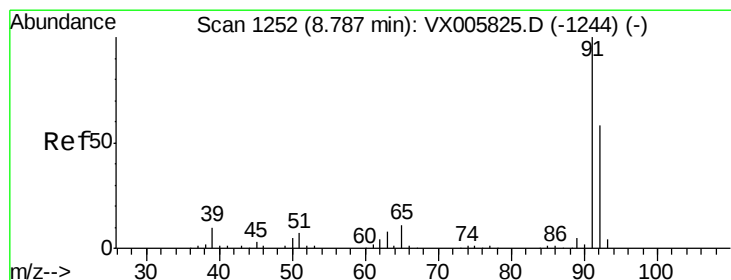
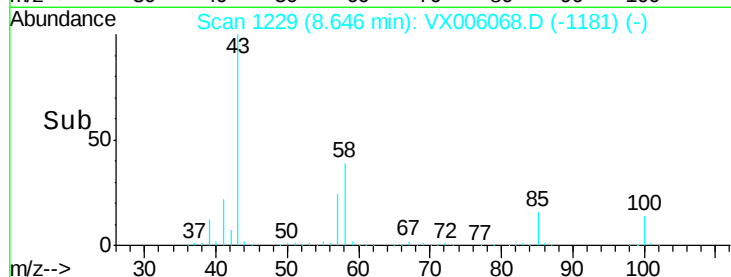
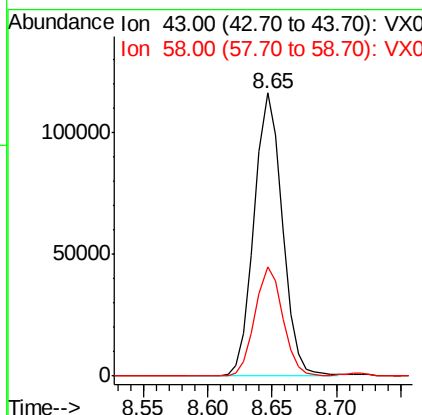
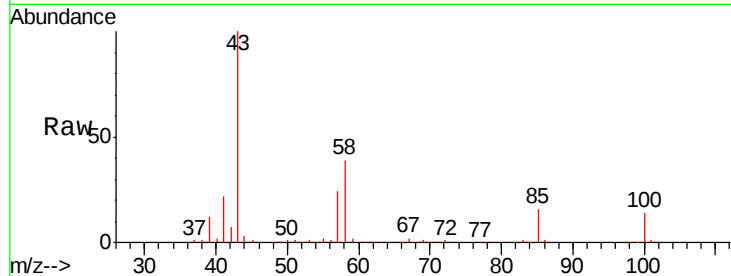
#51
4-Methyl-2-Pentanone
Concen: 92.49 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion: 43 Resp: 176279
Ion Ratio Lower Upper
43 100
58 38.2 29.7 44.5

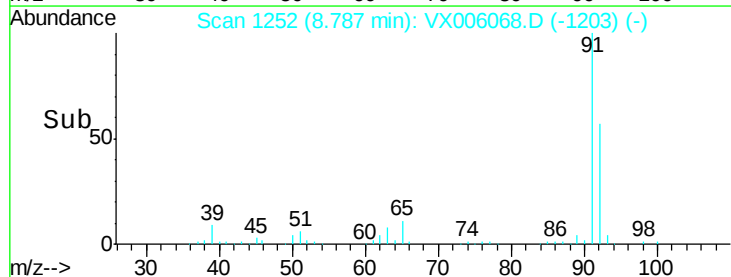
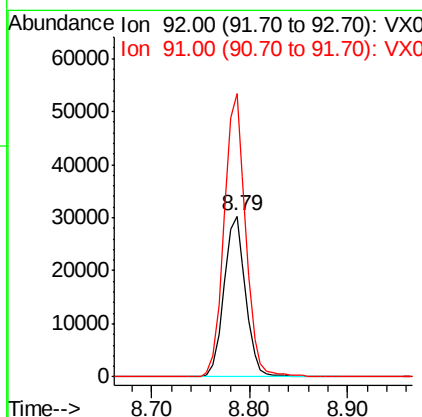
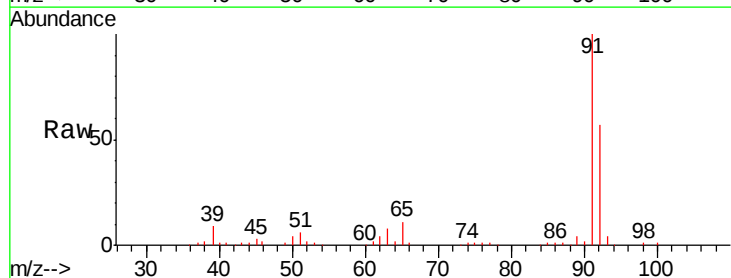
Manual Integrations
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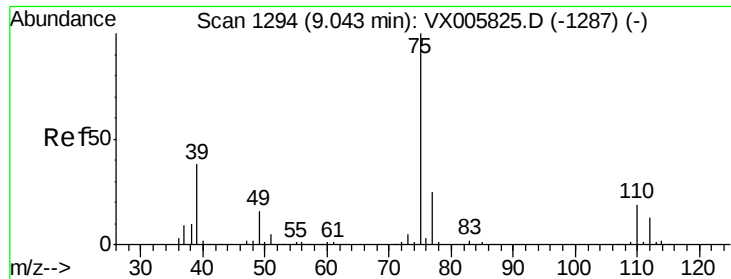
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#52
Toluene
Concen: 17.94 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 92 Resp: 46387
Ion Ratio Lower Upper
92 100
91 175.0 140.4 210.6





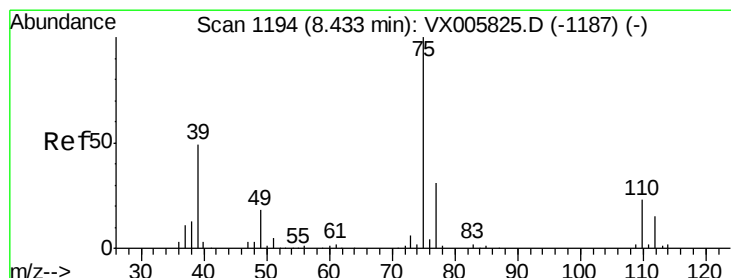
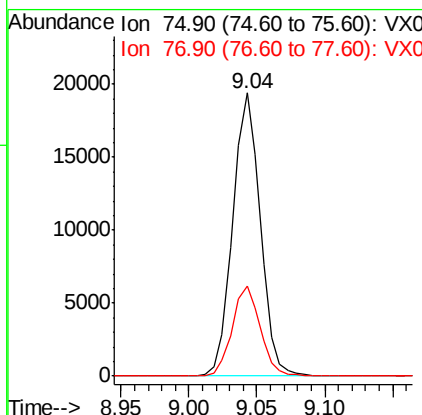
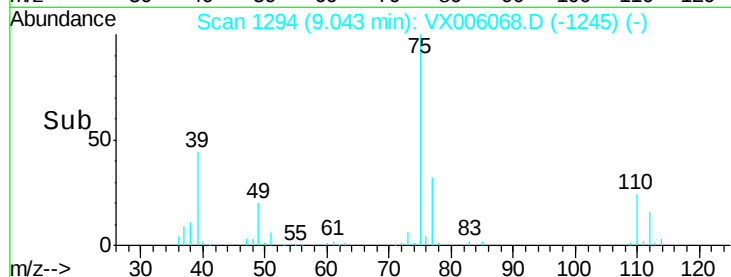
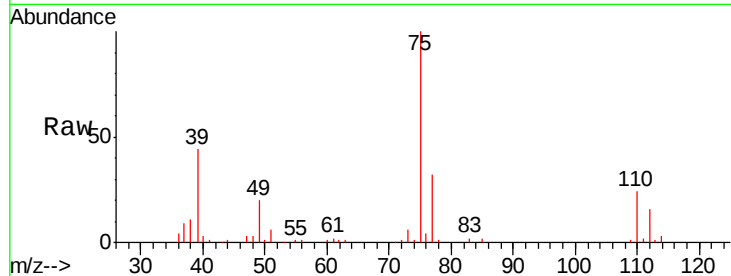
#53
 t-1,3-Dichloropropene
 Concen: 17.43 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion: 75 Resp: 27387
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2

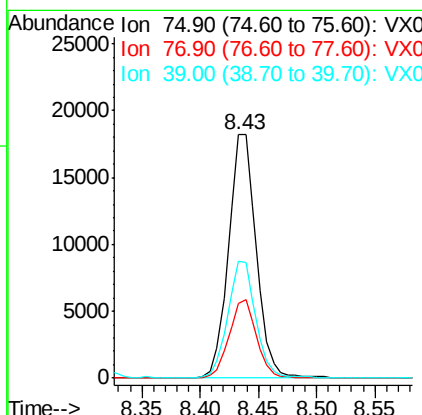
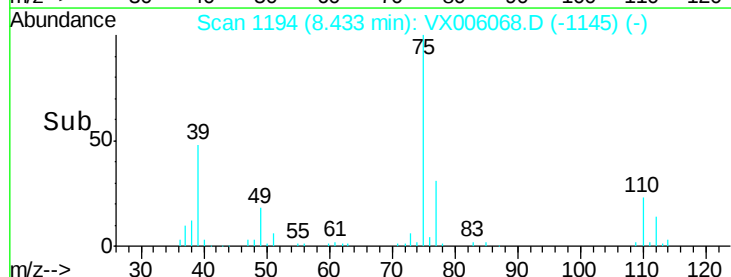
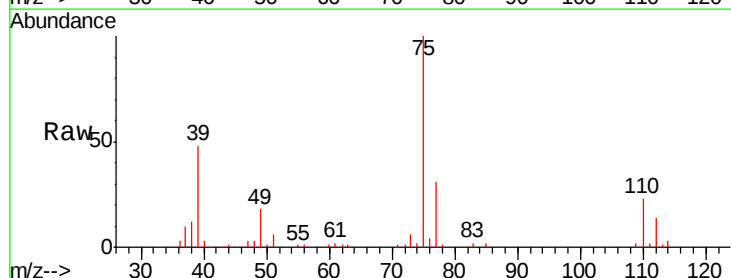
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#54
 cis-1,3-Dichloropropene
 Concen: 18.85 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 75 Resp: 30191
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 47.9 38.2 57.2





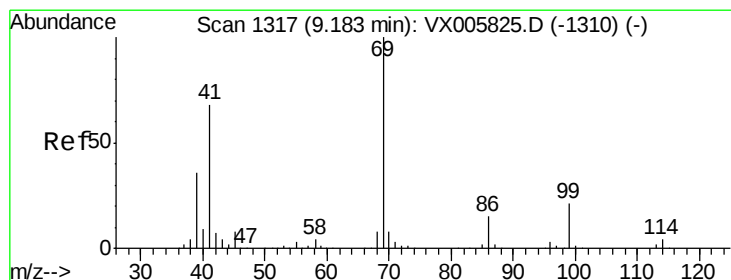
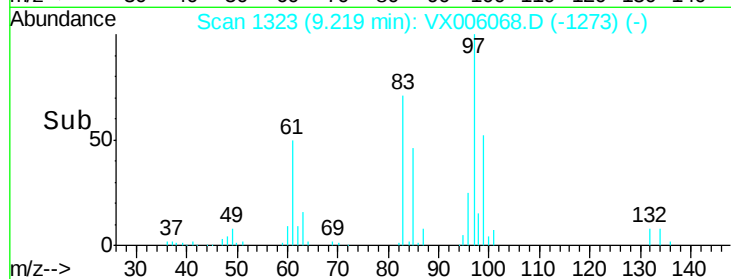
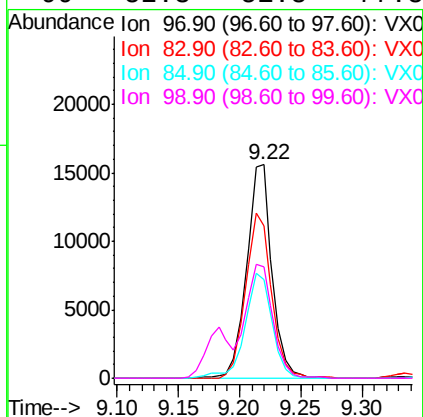
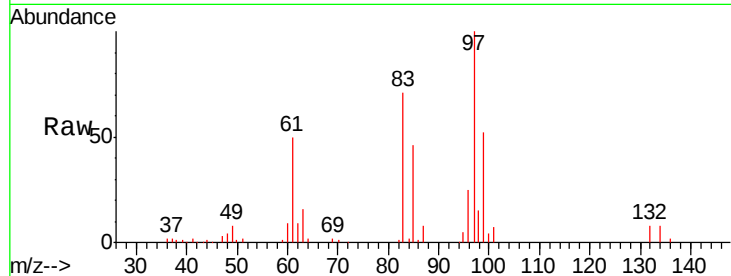
#55
 1,1,2-Trichloroethane
 Concen: 19.58 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	71.4	70.7	106.1
85	46.0	45.8	68.6
99	52.3	51.8	77.8

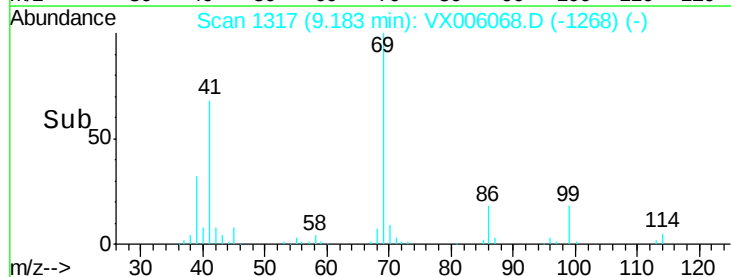
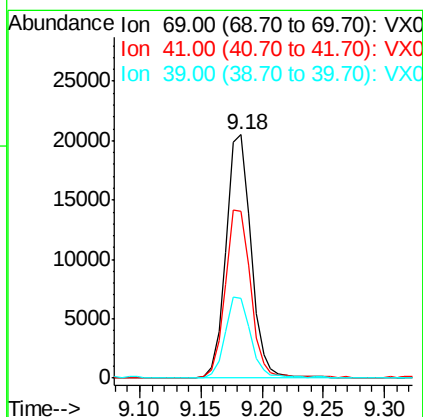
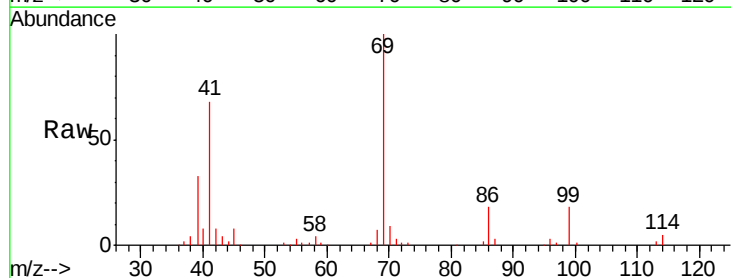
Manual Integrations
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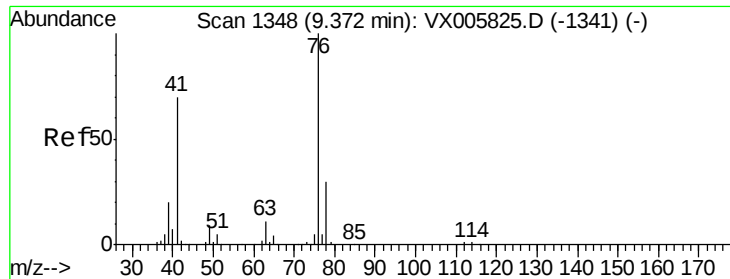
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#56
 Ethyl methacrylate
 Concen: 16.85 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.6
39	34.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 17.47 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 76 Resp: 33843

Ion Ratio Lower Upper

76 100

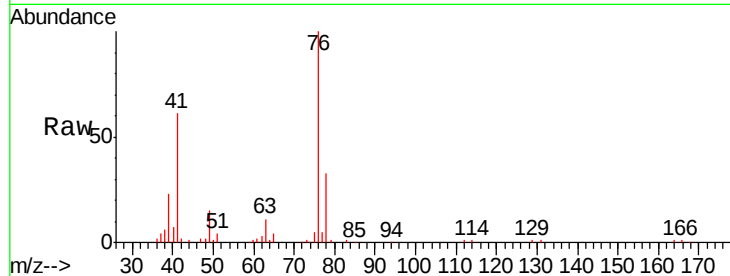
78 31.9 25.3 37.9

Manual Integrations

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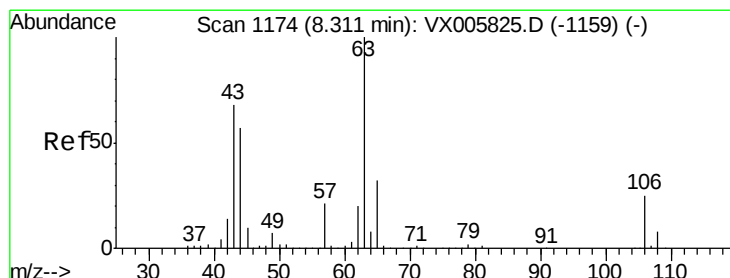
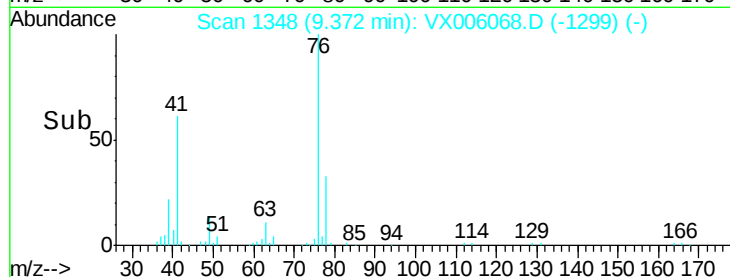
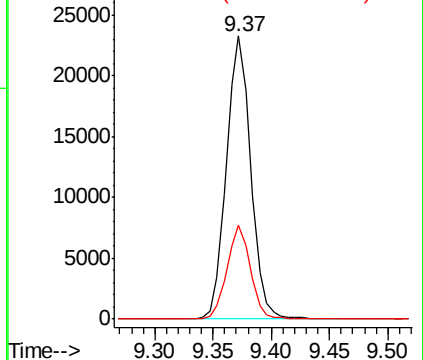
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.79 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006068.D

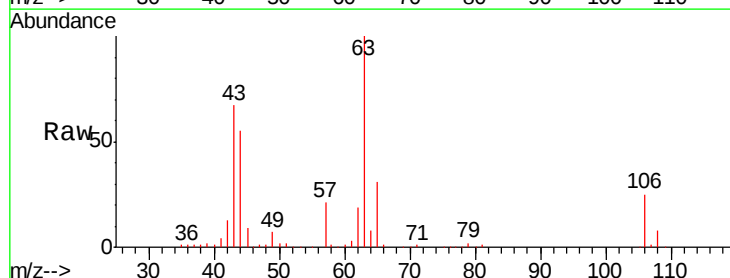
Acq: 17 Nov 2018 15:06

Tgt Ion: 63 Resp: 85042

Ion Ratio Lower Upper

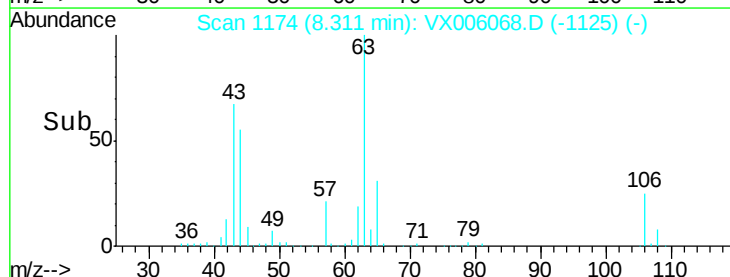
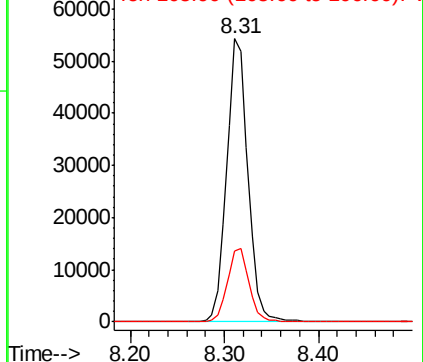
63 100

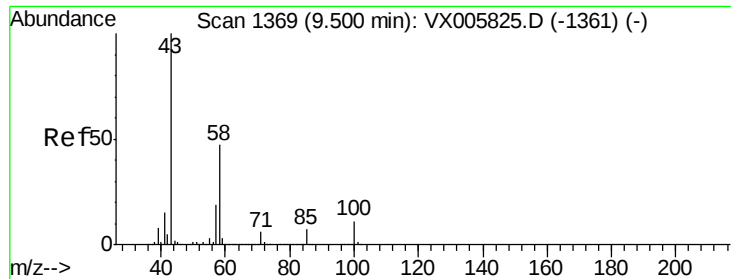
106 26.2 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





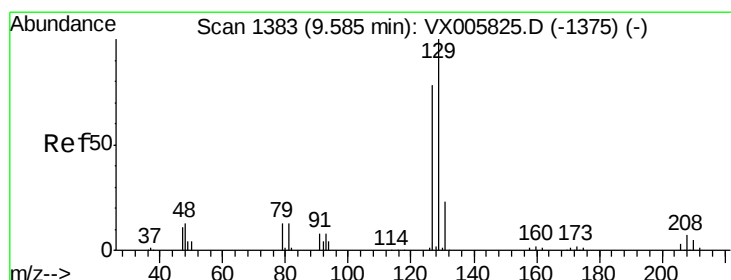
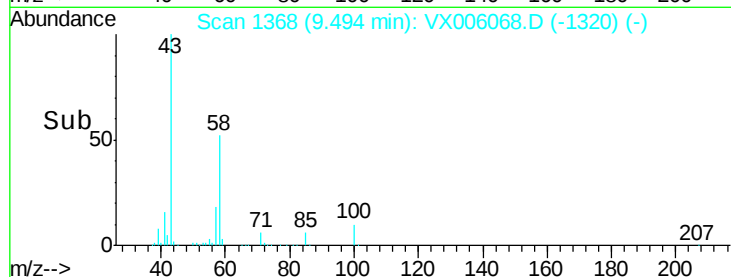
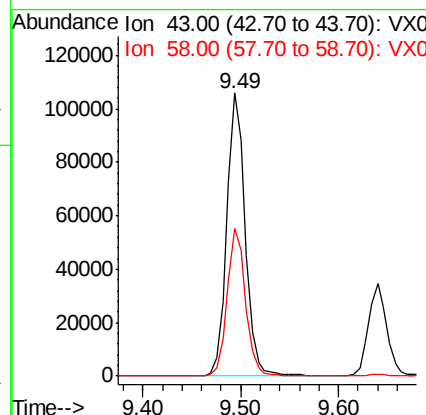
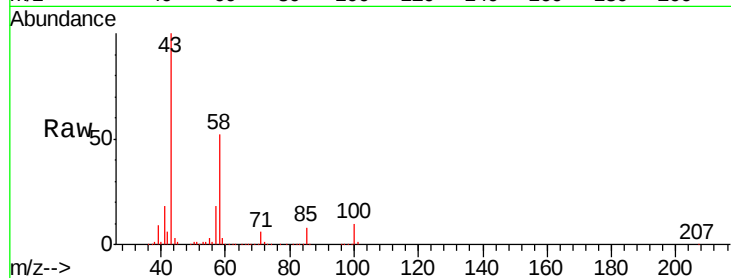
#59
2-Hexanone
Concen: 82.61 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion: 43 Resp: 138783
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.8

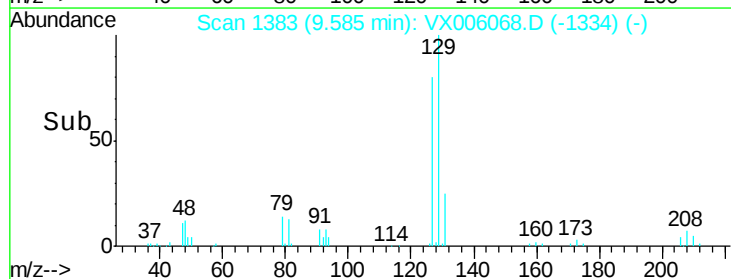
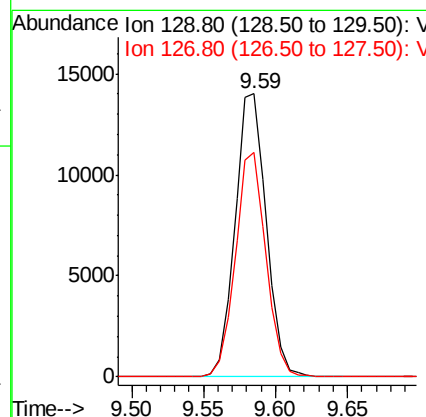
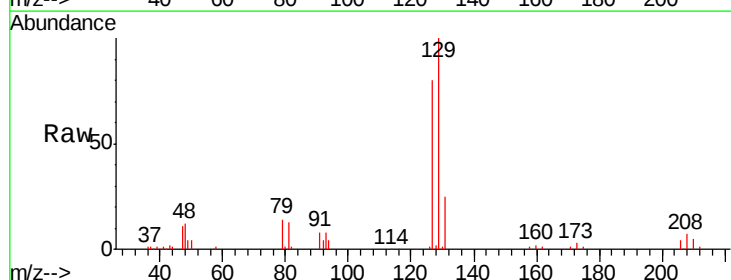
Manual Integrations
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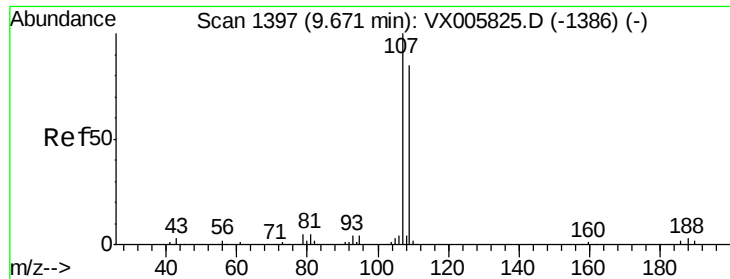
MMDadoda
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#60
Dibromochloromethane
Concen: 17.00 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 129 Resp: 21178
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 16.42 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 107 Resp: 20922

Ion Ratio Lower Upper

107 100

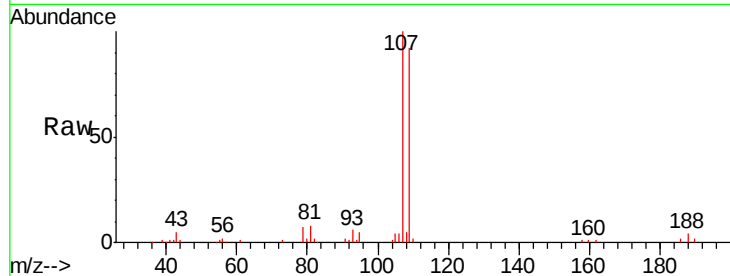
109 93.2 75.7 113.5

Manual Integrations

APPROVED

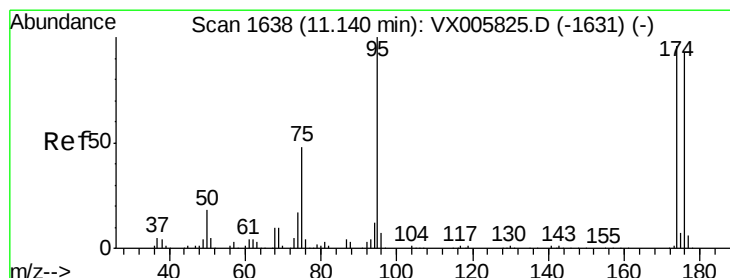
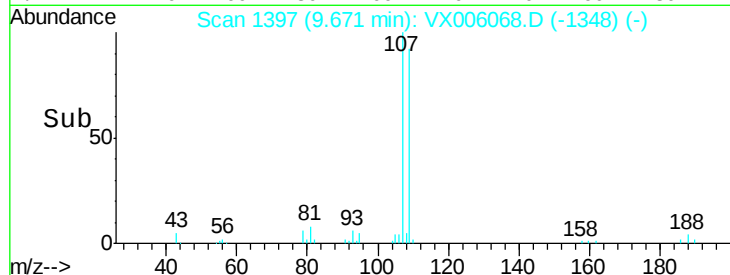
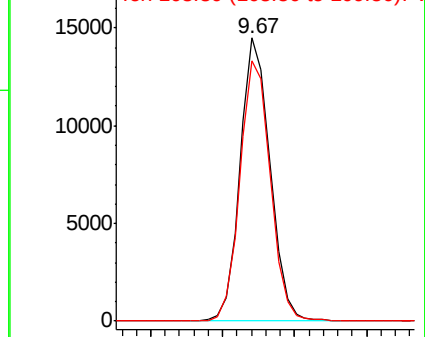
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.71 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

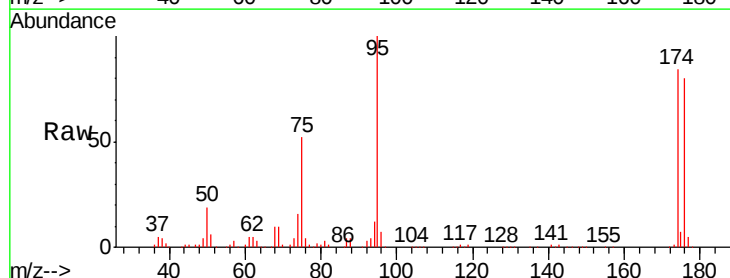
Tgt Ion: 95 Resp: 65194

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

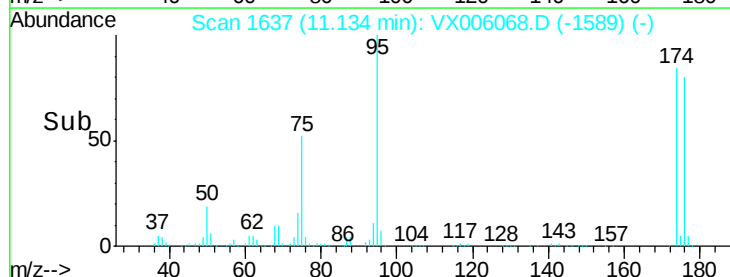
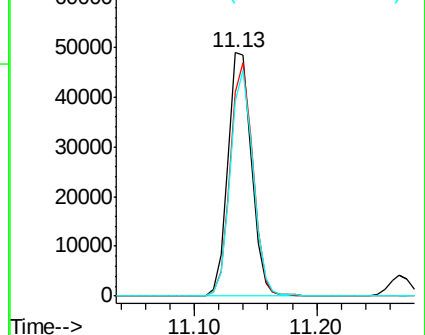
176 89.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





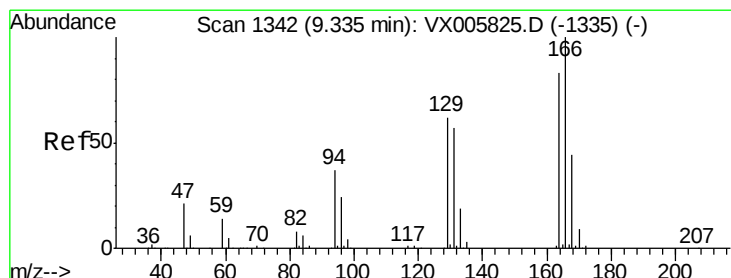
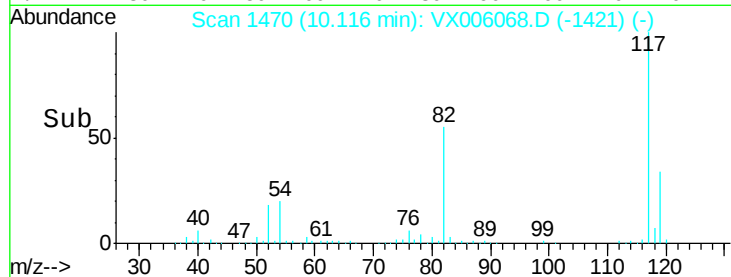
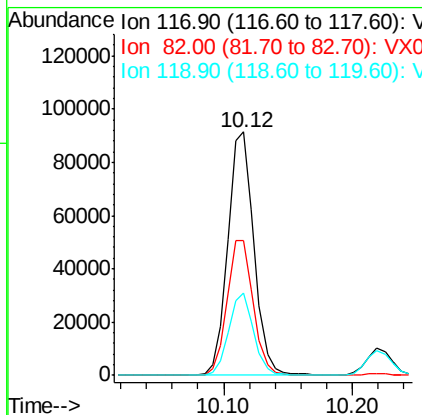
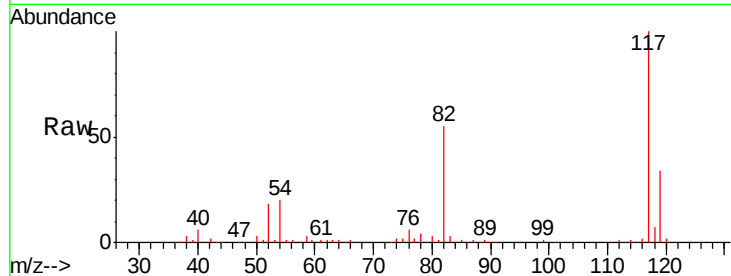
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	130176		
82	55.4	44.1	66.1	
119	33.9	26.2	39.2	

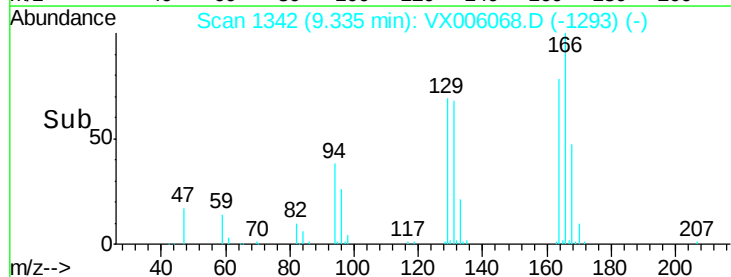
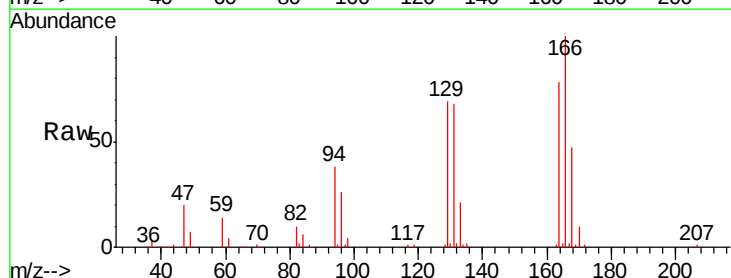
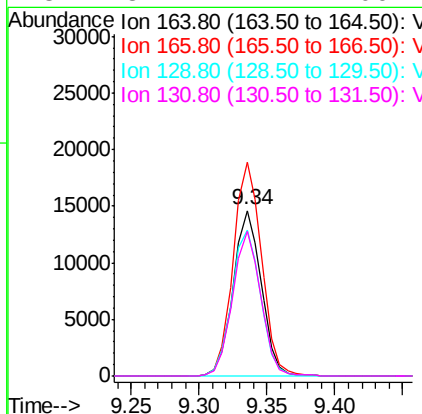
Manual Integrations
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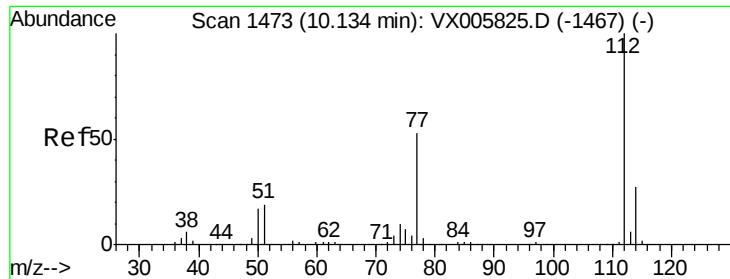
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#64
Tetrachloroethene
Concen: 19.01 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21074		
166	128.9	101.9	152.9	
129	88.5	72.6	109.0	
131	87.7	71.1	106.7	





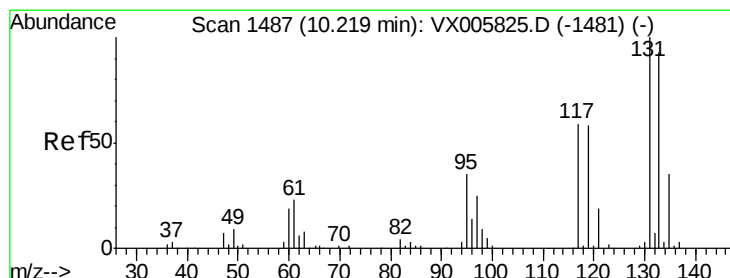
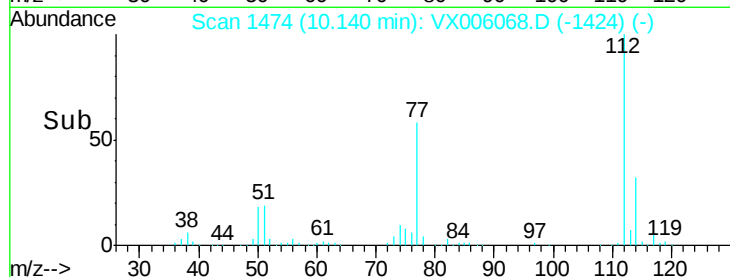
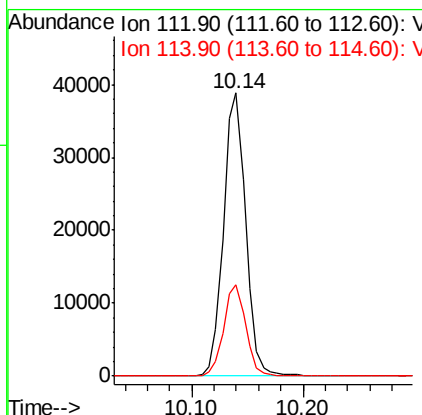
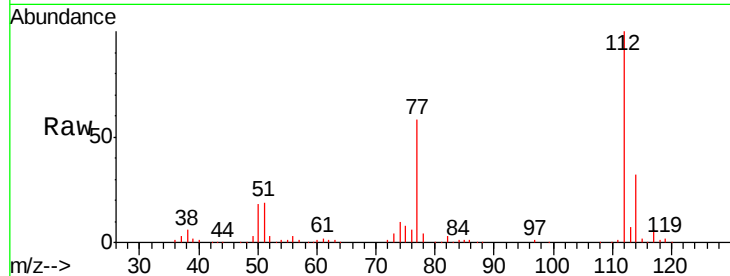
#65
Chlorobenzene
Concen: 20.49 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion:112 Resp: 53433
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

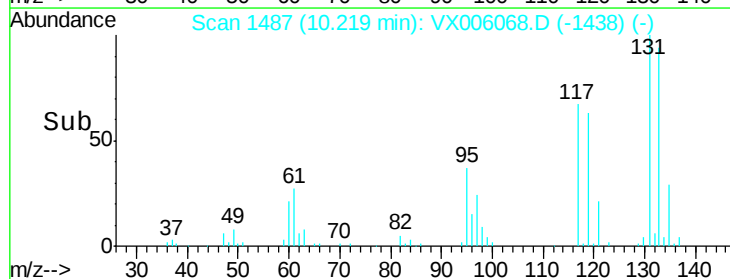
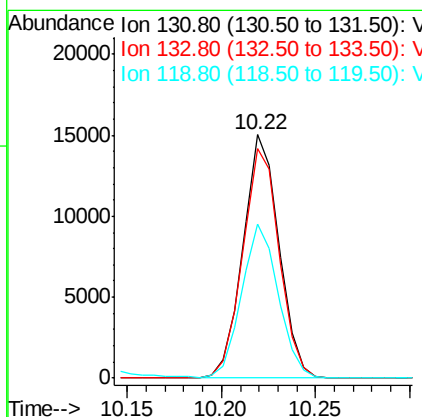
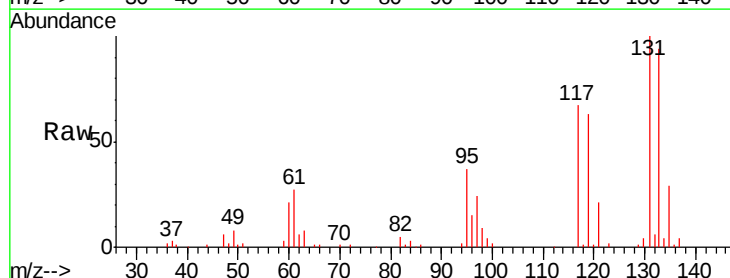
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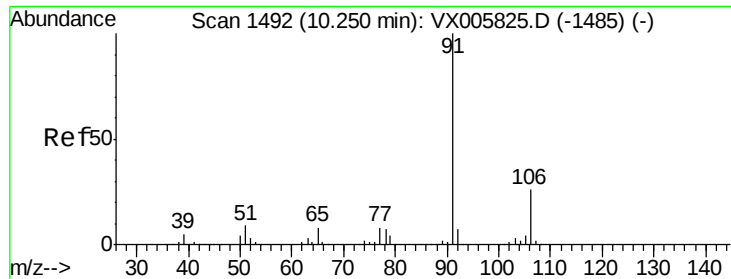
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.98 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion:131 Resp: 19930
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.5
119 64.2 31.8 95.3





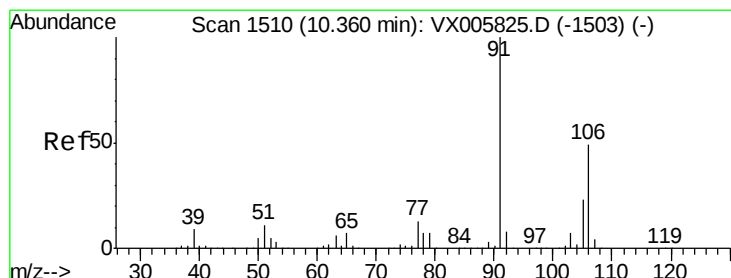
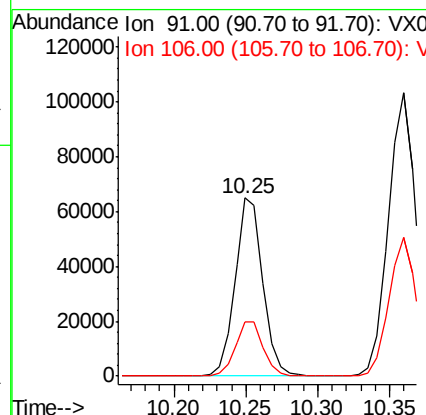
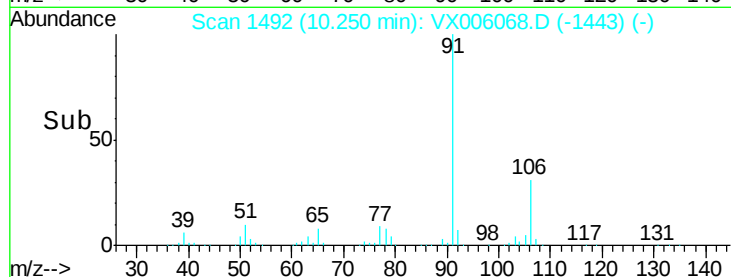
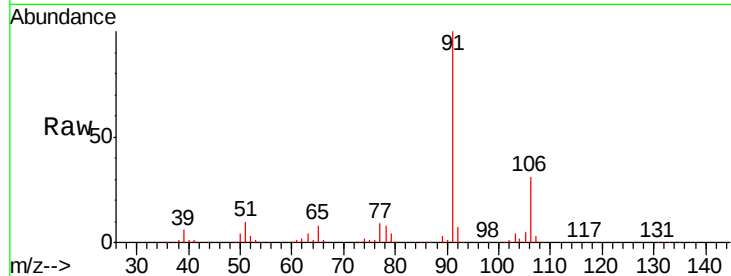
#67
Ethyl Benzene
Concen: 20.94 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion: 91 Resp: 87582
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

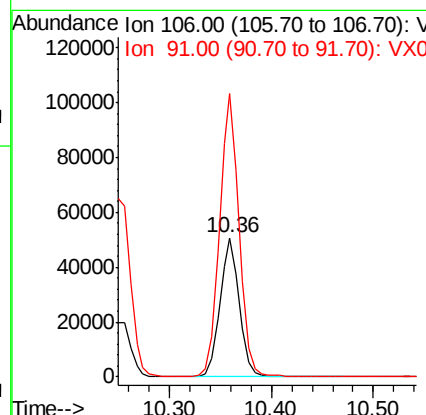
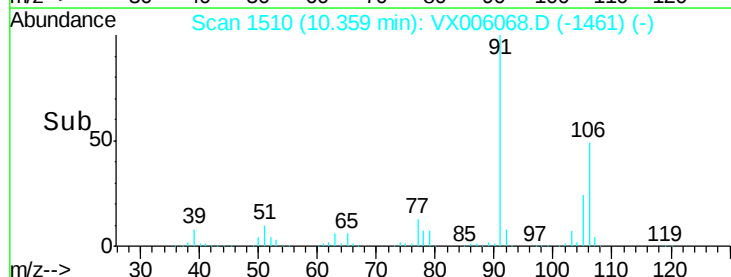
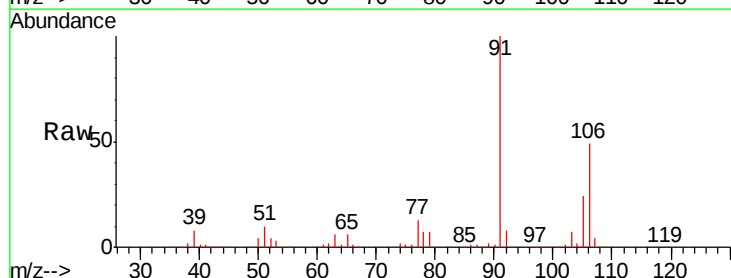
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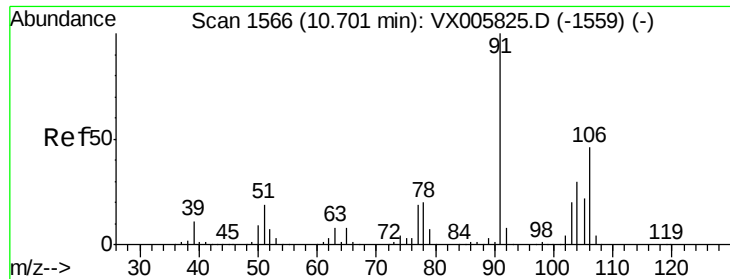
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11/19/2018 9:24:42 AM



#68
m/p-Xylenes
Concen: 42.26 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 106 Resp: 67411
Ion Ratio Lower Upper
106 100
91 206.2 164.2 246.4





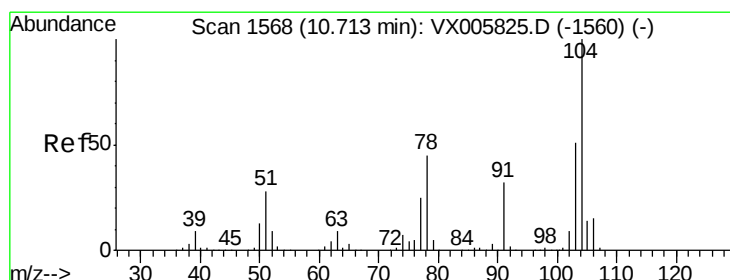
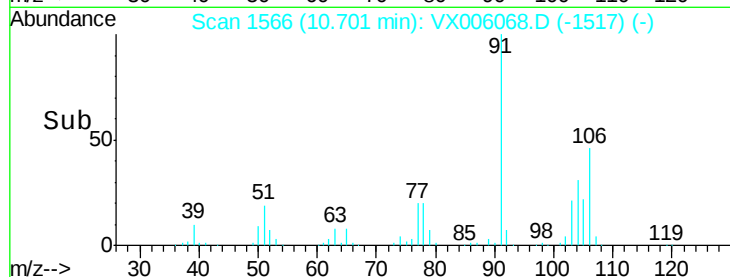
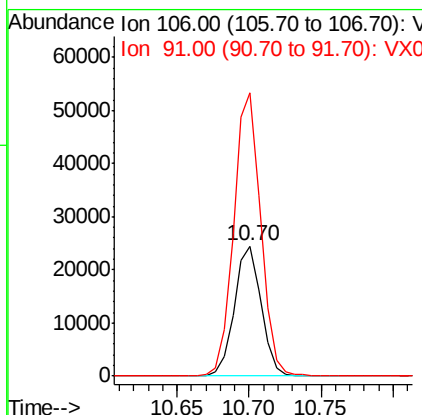
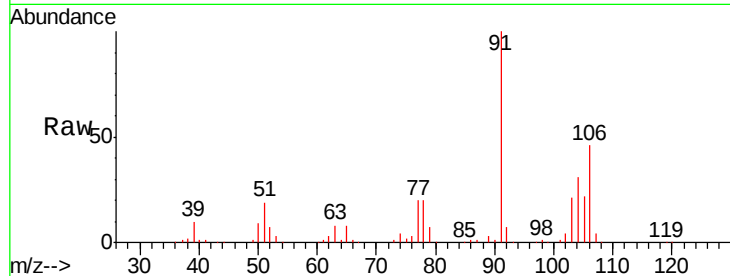
#69
o-Xylene
Concen: 22.18 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion:106 Resp: 31718
Ion Ratio Lower Upper
106 100
91 220.4 108.5 325.5

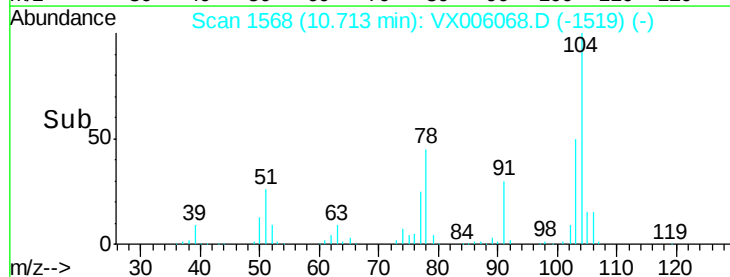
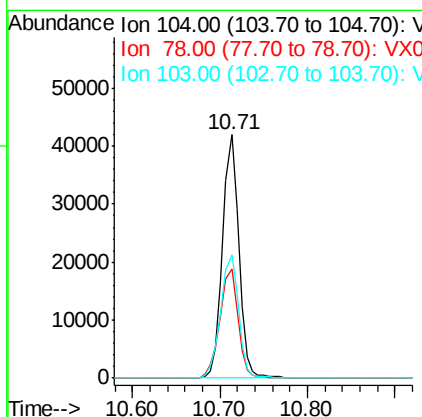
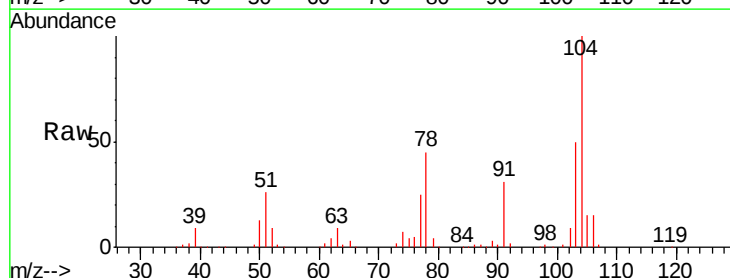
Manual Integrations
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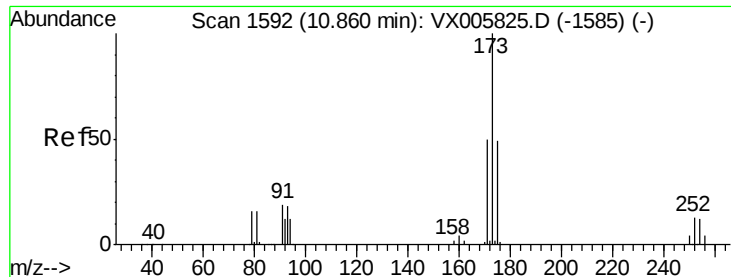
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#70
Styrene
Concen: 22.99 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion:104 Resp: 54243
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 22.93 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion:173 Resp: 17424

Ion Ratio Lower Upper

173 100

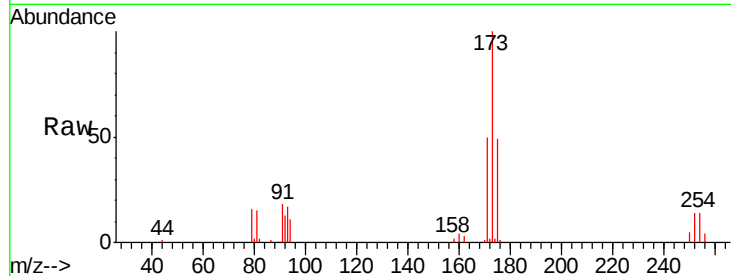
175 48.4 24.8 74.3

254 0.0 0.2 0.2#

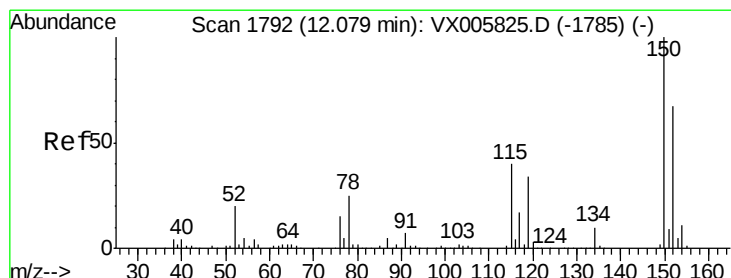
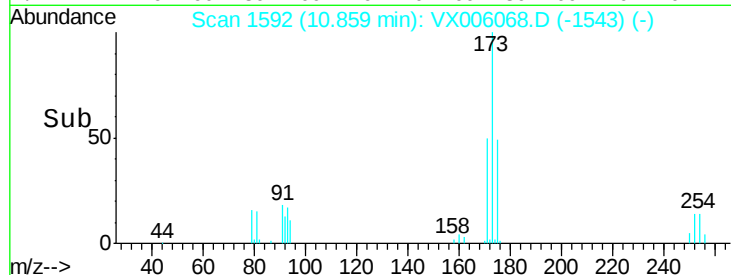
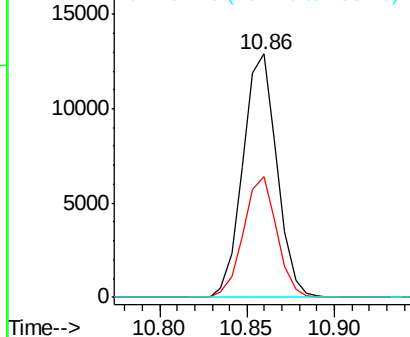
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

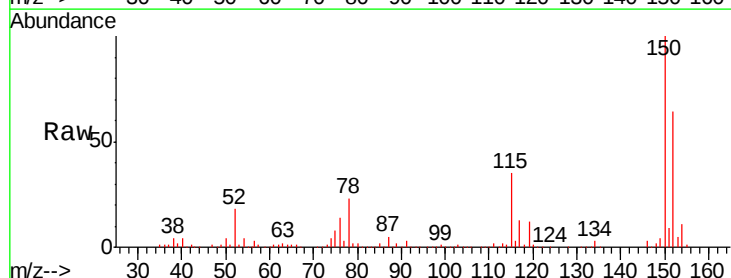
Tgt Ion:152 Resp: 96384

Ion Ratio Lower Upper

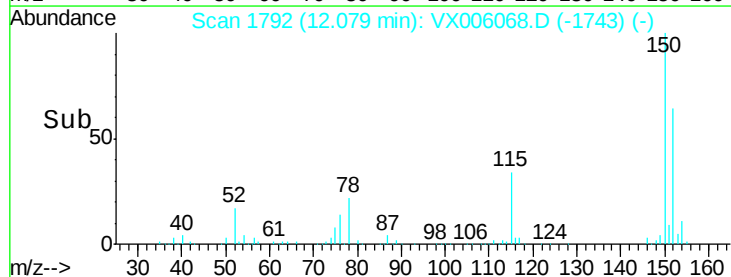
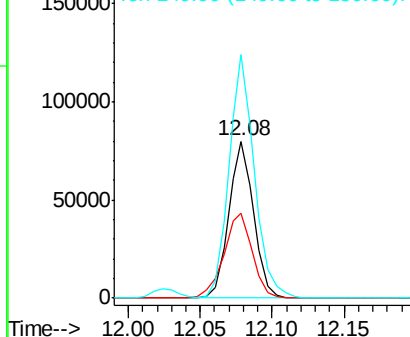
152 100

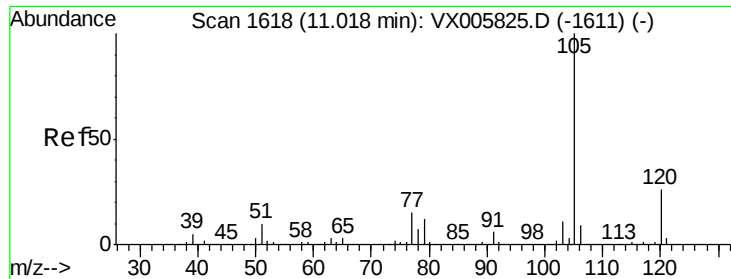
115 62.3 39.4 118.1

150 159.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 16.13 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 105 Resp: 89900

Ion Ratio Lower Upper

105 100

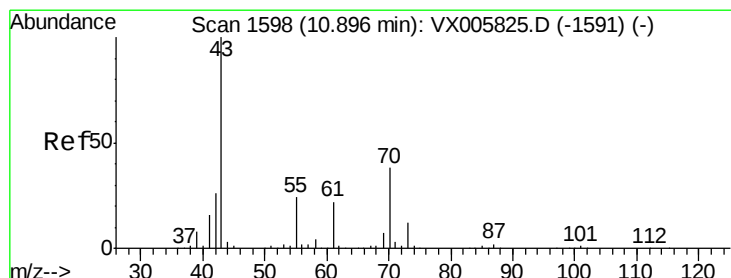
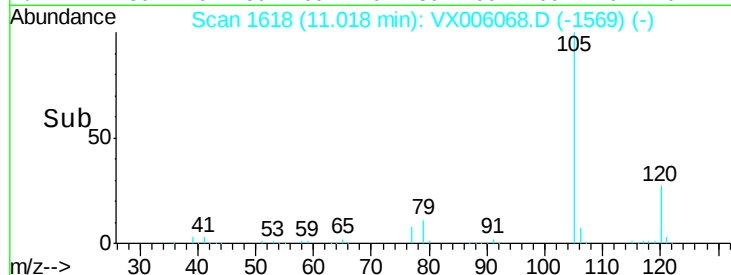
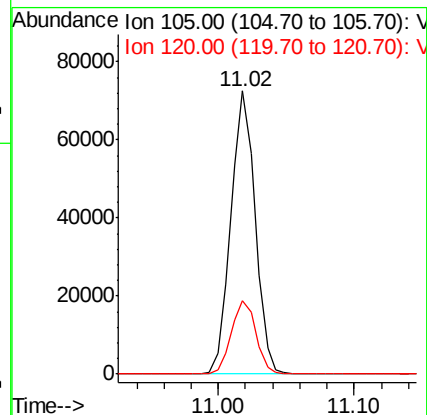
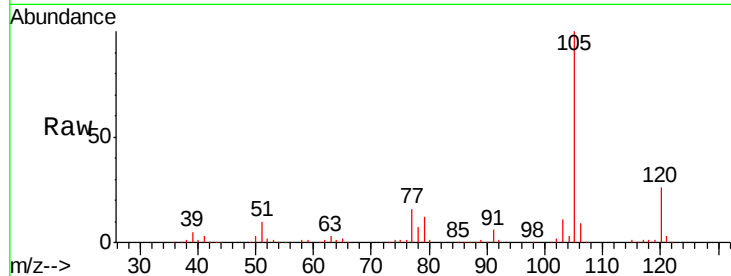
120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 14.46 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion: 43 Resp: 42382

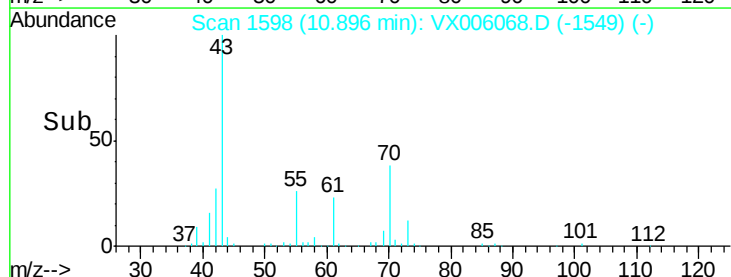
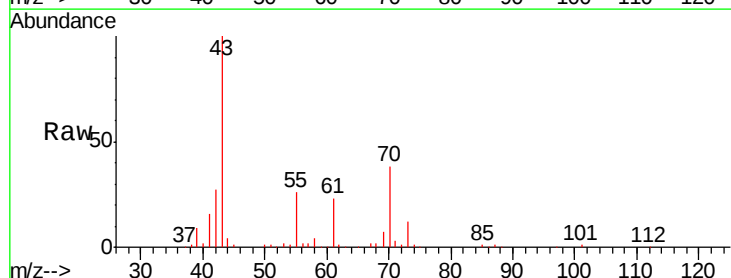
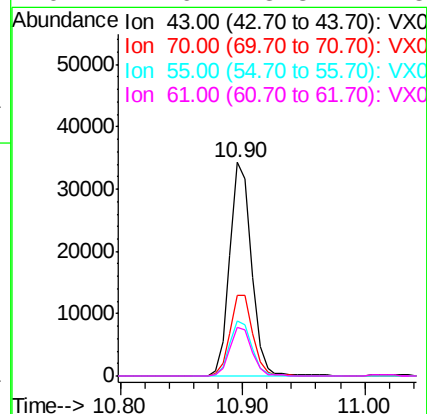
Ion Ratio Lower Upper

43 100

70 39.5 31.6 47.4

55 26.3 19.7 29.5

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.01 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

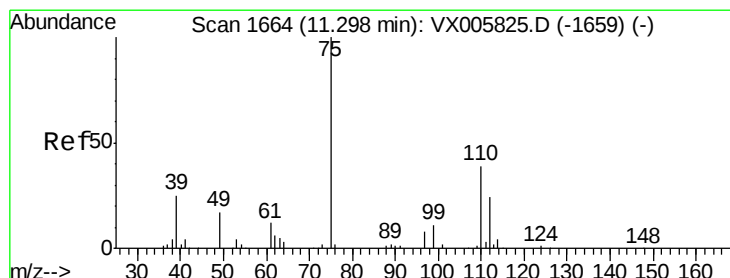
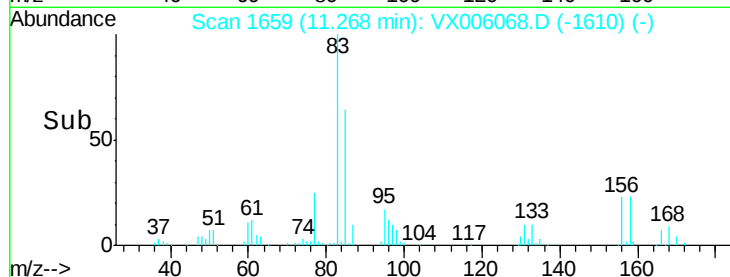
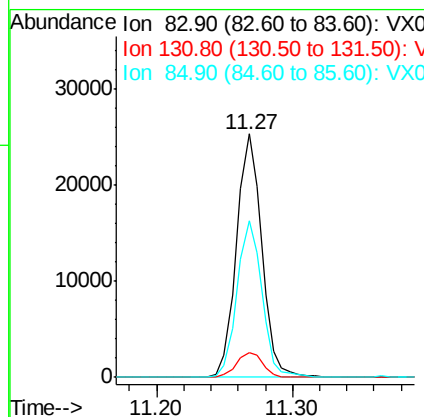
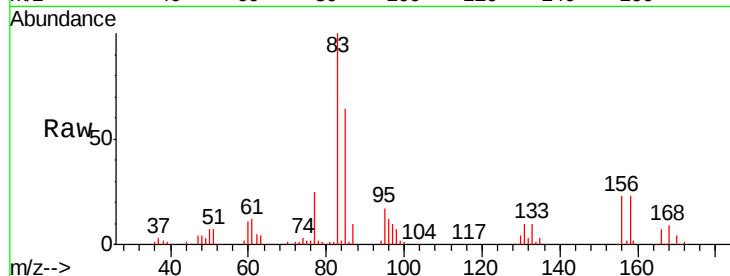
ClientSampleId :

VX1117WBSD01

Tgt Ion:	83	Resp:	32758
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.30 ug/l m

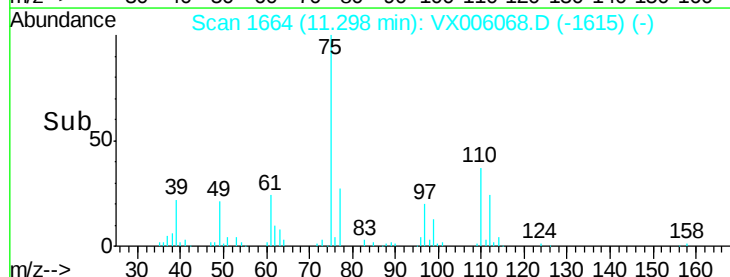
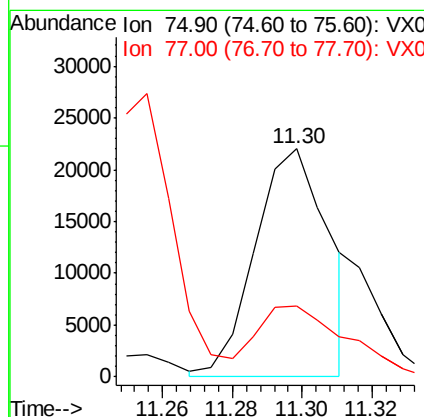
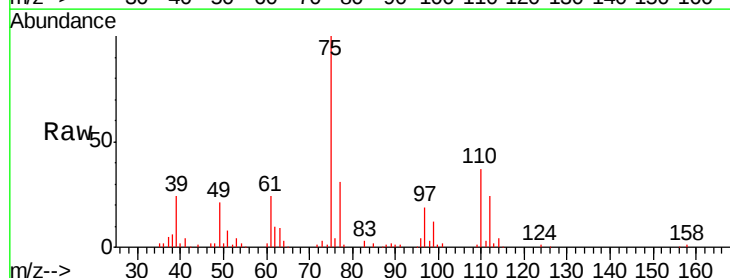
RT: 11.30 min Scan# 1664

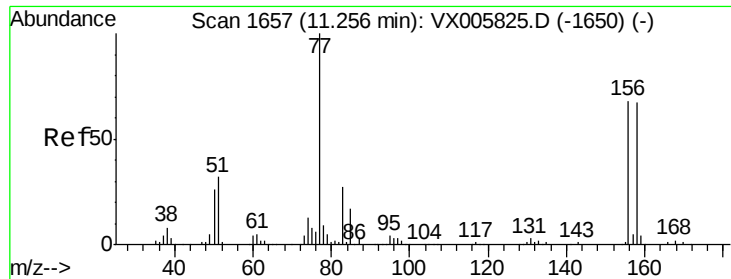
Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	75	Resp:	31983
Ion	Ratio	Lower	Upper
75	100		
77	38.1	20.5	61.6





#77

Bromobenzene

Concen: 15.58 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

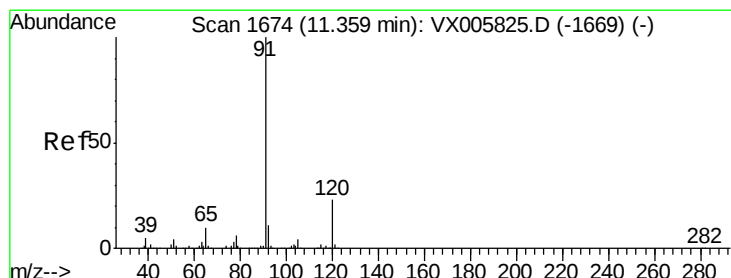
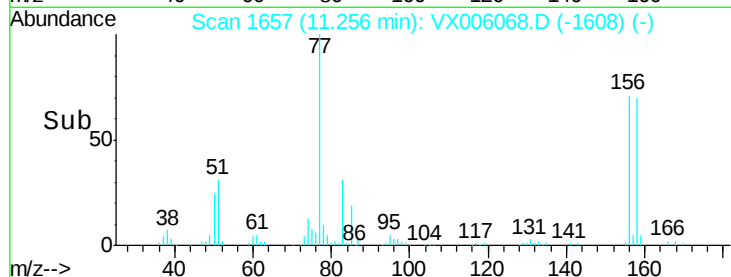
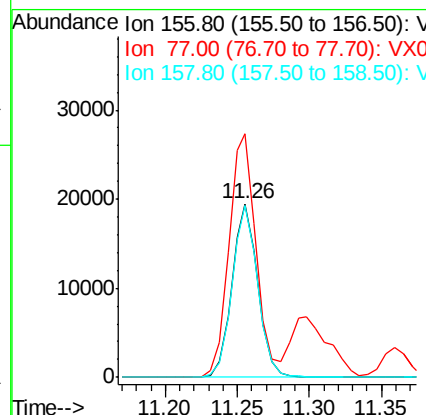
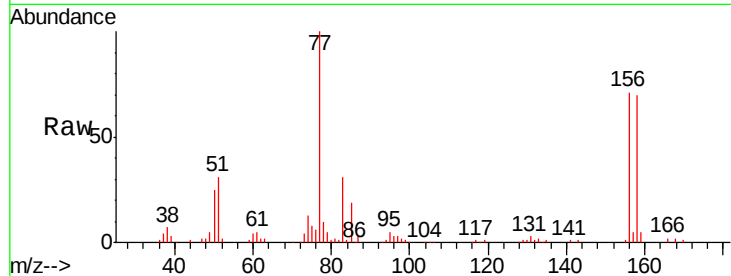
ClientSampleId :

VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	147.9	74.8	224.4
158	98.9	49.1	147.3

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#78

n-propylbenzene

Concen: 15.73 ug/l

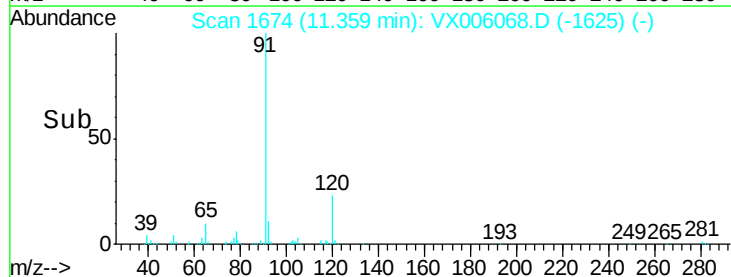
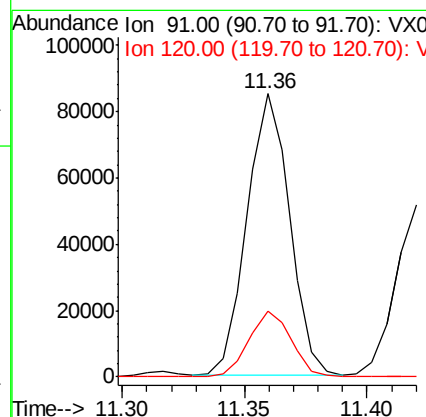
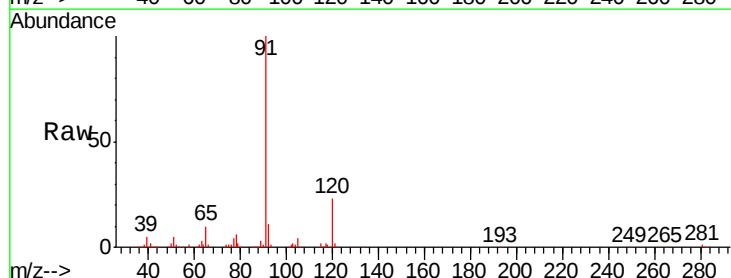
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 16.00 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

Tgt Ion: 91 Resp: 63543

Ion Ratio Lower Upper

91 100

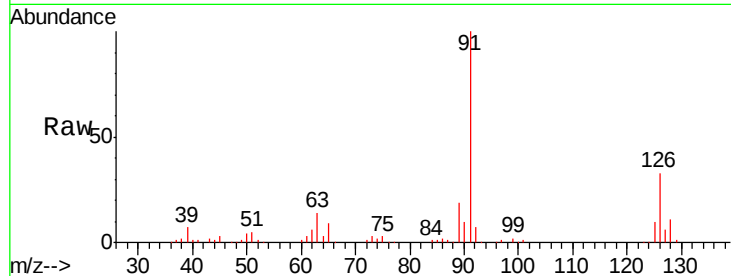
126 34.7 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VX006068.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX006068.D (-1635) (-)

100000

80000

60000

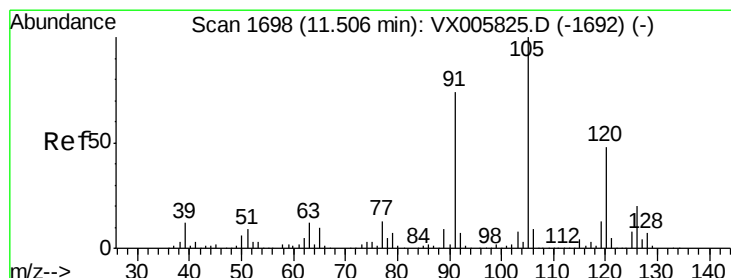
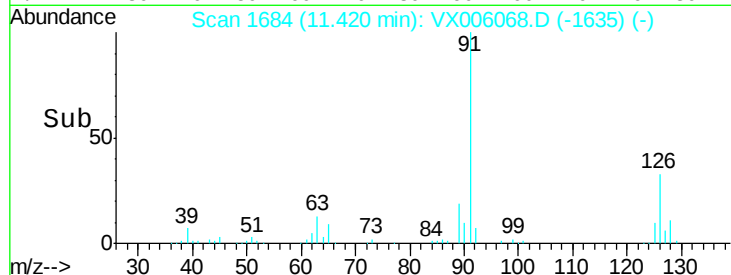
40000

20000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.57 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006068.D

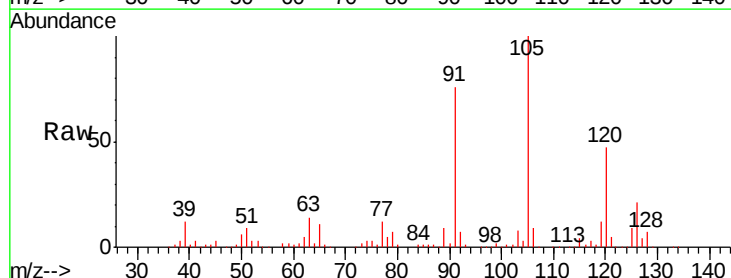
Acq: 17 Nov 2018 15:06

Tgt Ion: 105 Resp: 78493

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX006068.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006068.D (-1649) (-)

60000

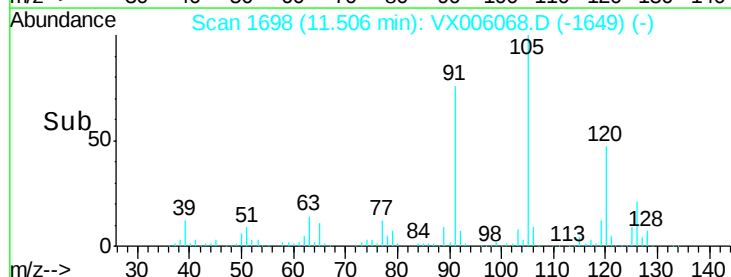
40000

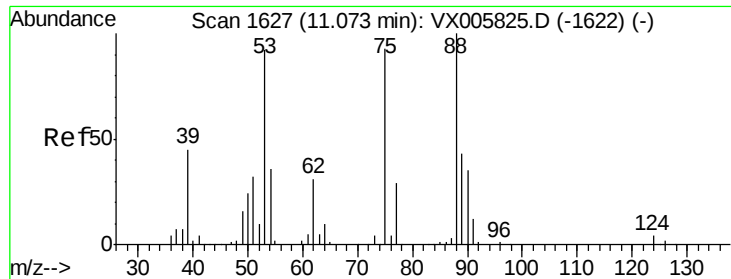
20000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.56 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

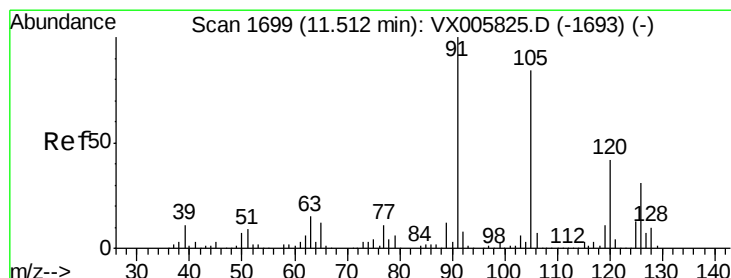
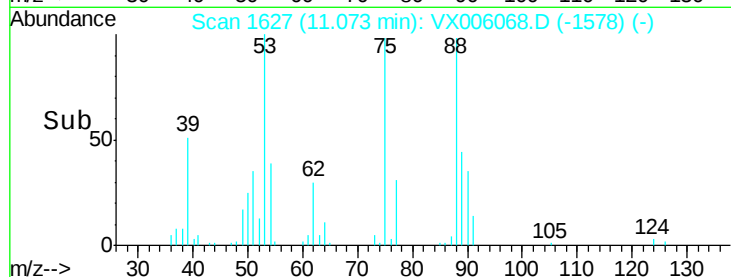
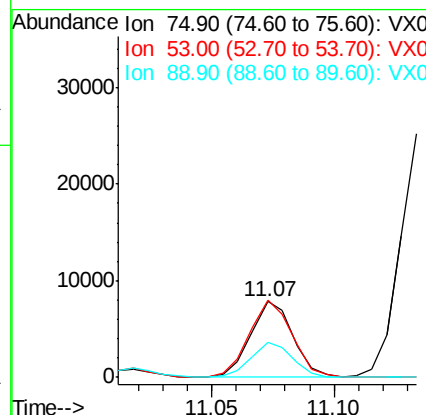
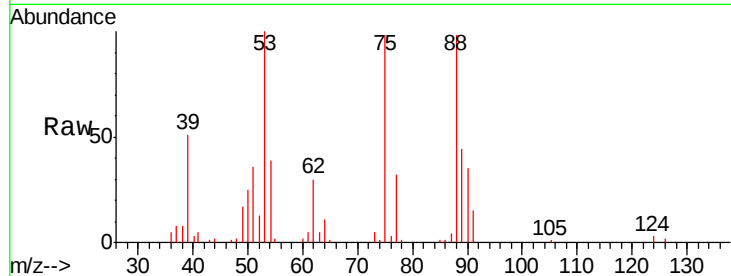
ClientSampleId :

VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.7	80.2	120.2
89	44.6	39.8	59.8

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#82

4-Chlorotoluene

Concen: 16.56 ug/l

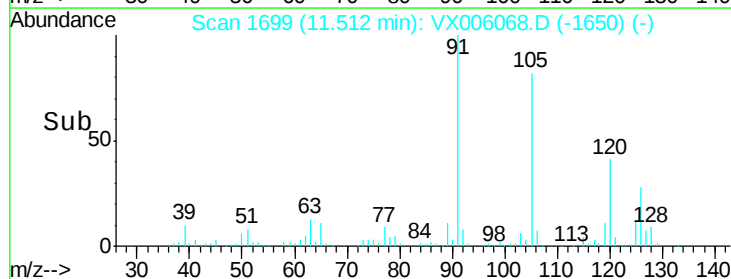
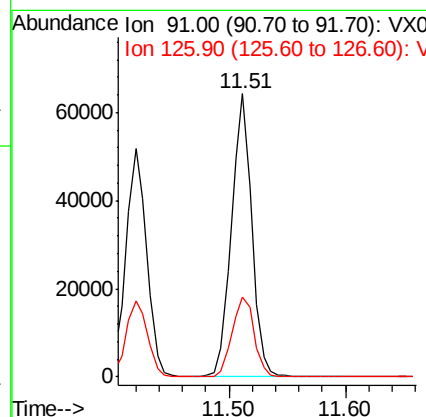
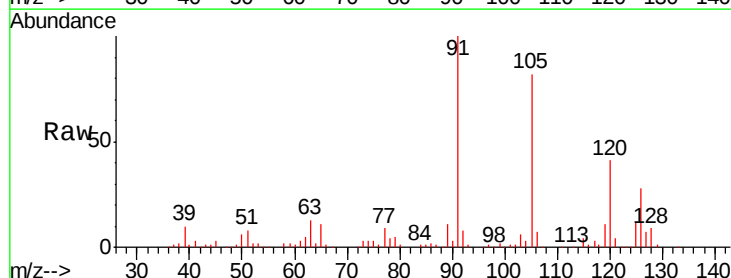
RT: 11.51 min Scan# 1699

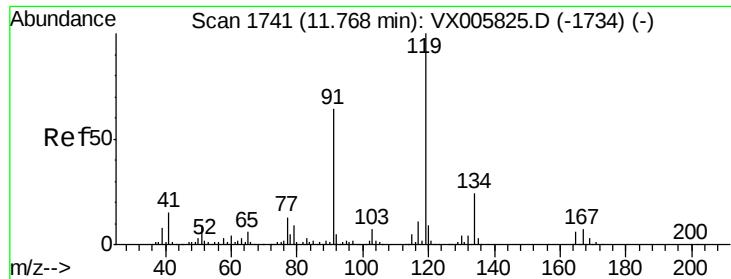
Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.2	45.6





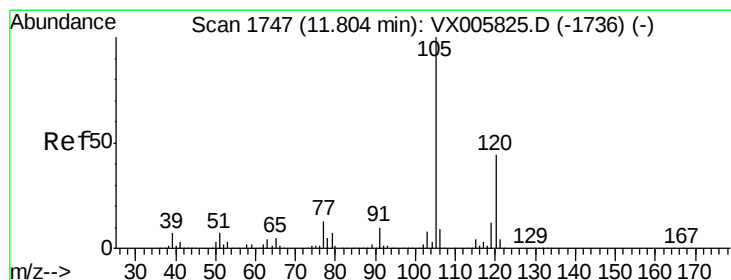
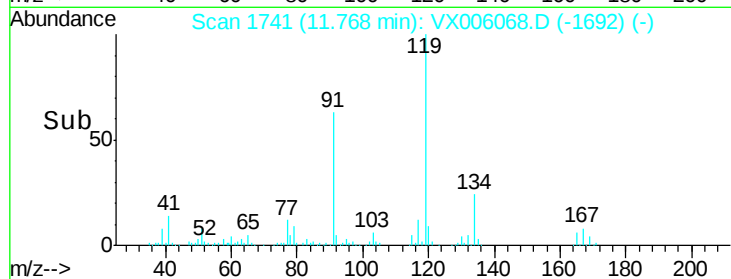
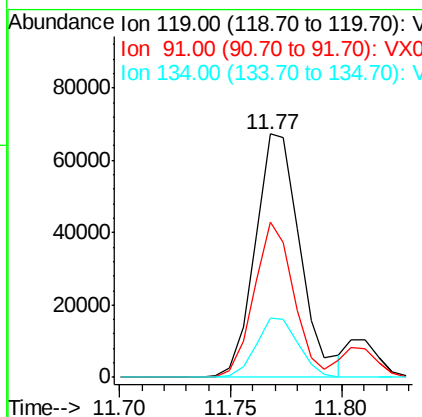
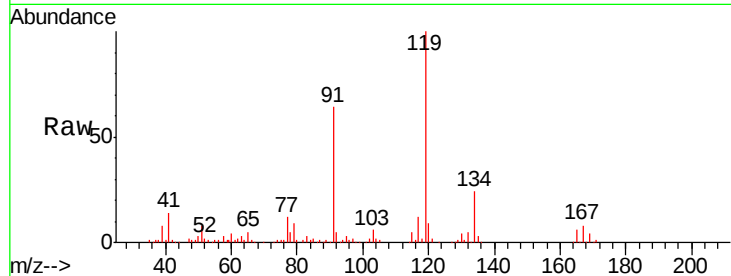
#83
 tert-Butylbenzene
 Concen: 19.65 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.4	28.5	85.5
134	23.1	11.3	33.8

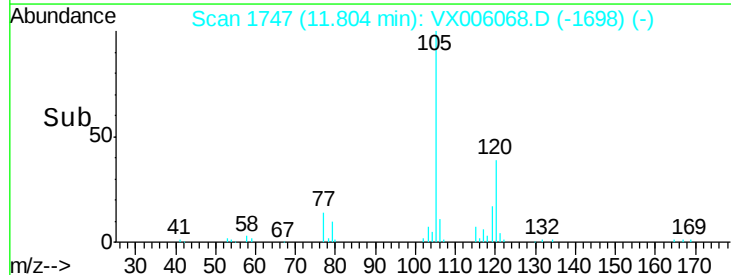
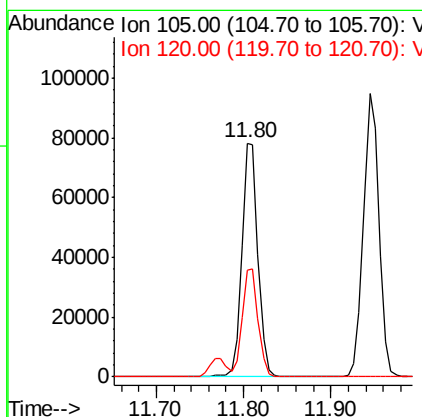
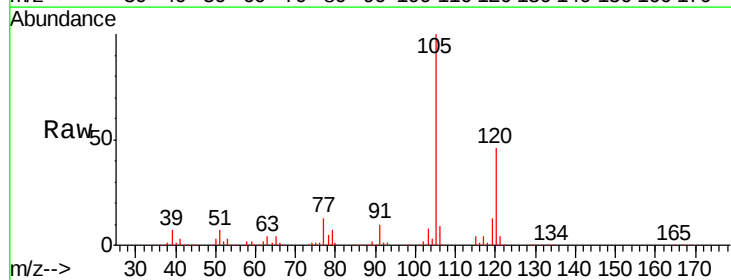
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.17 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.0





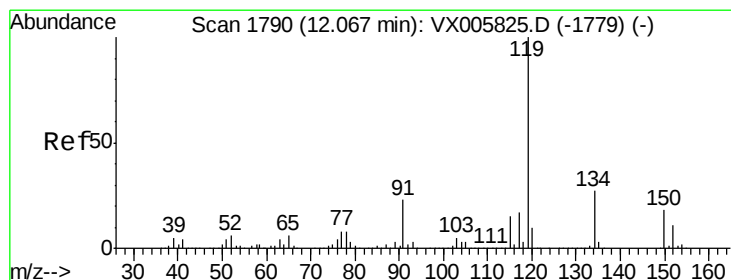
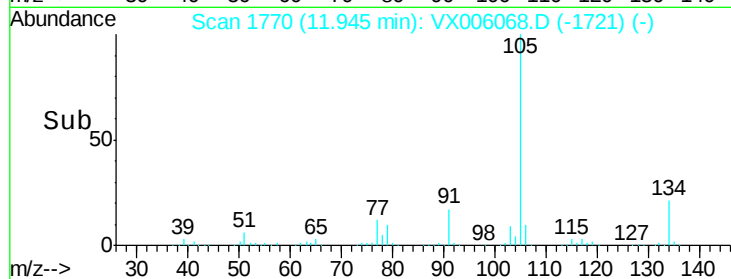
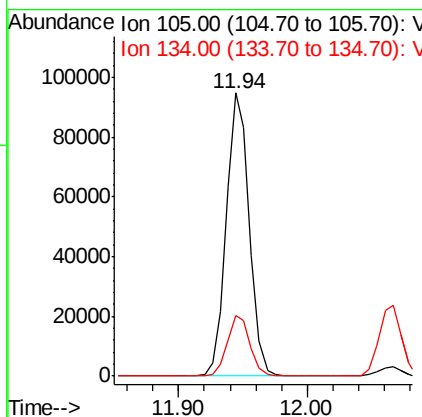
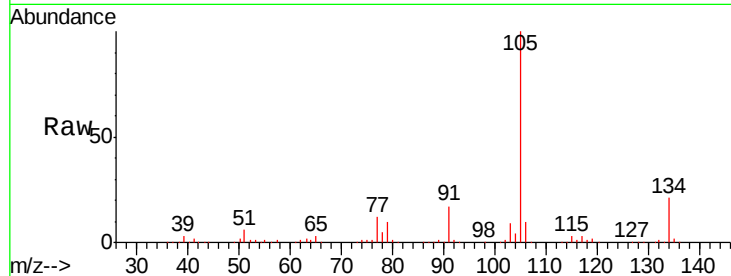
#85
 sec-Butylbenzene
 Concen: 20.22 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion:105 Resp: 118469
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.2 30.4

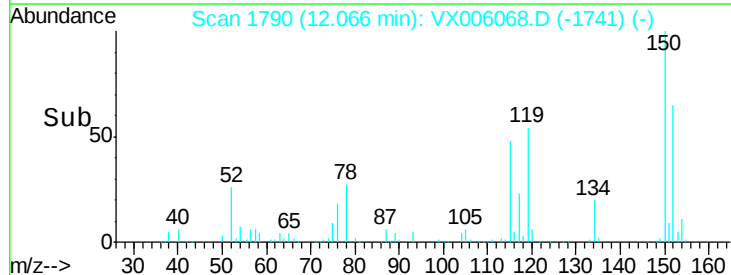
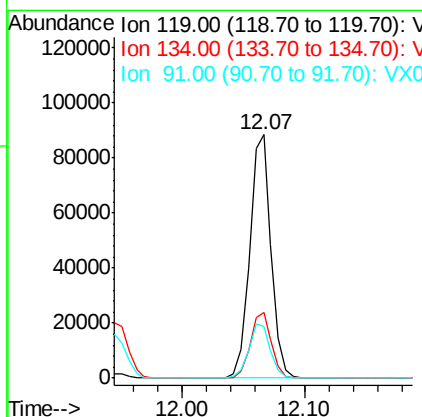
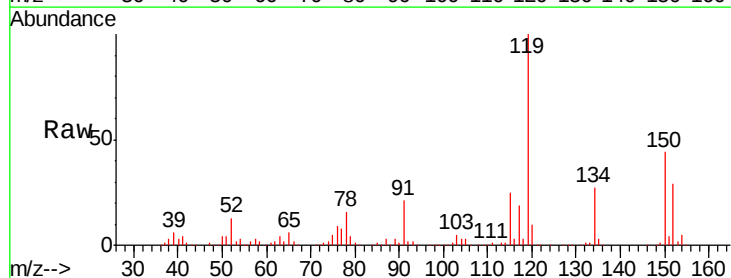
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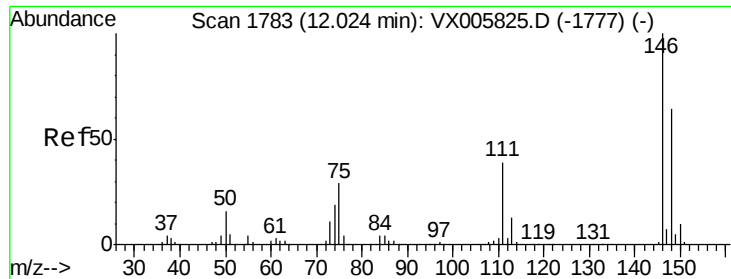
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#86
 p-Isopropyltoluene
 Concen: 20.52 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion:119 Resp: 106492
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 39.0
 91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.28 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

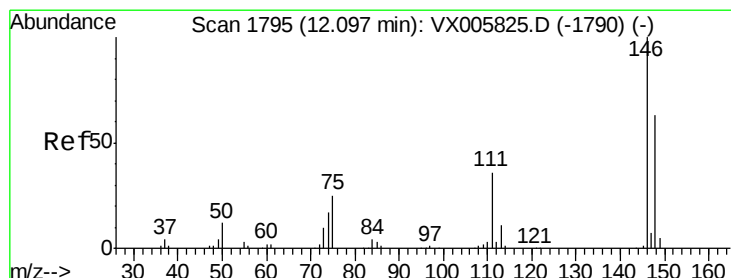
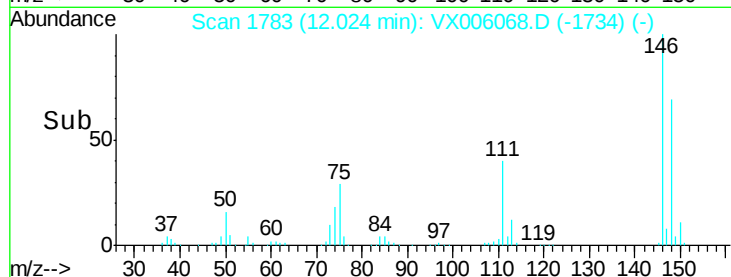
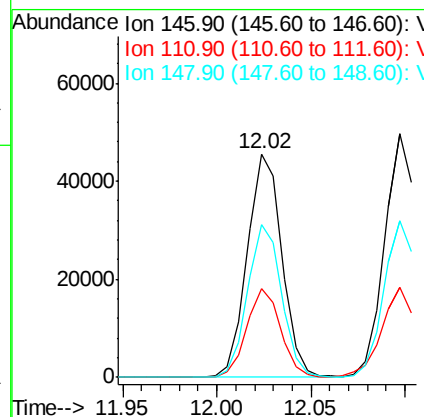
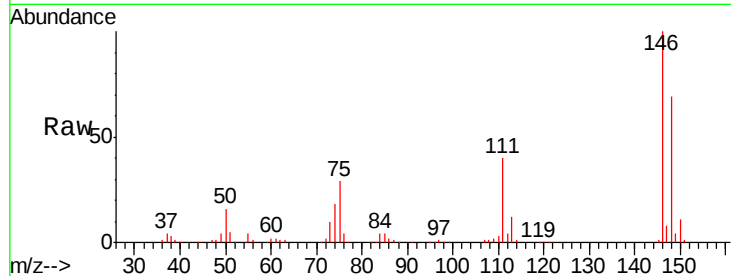
ClientSampleId :

VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.0	57.0
148	67.3	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 19.61 ug/l

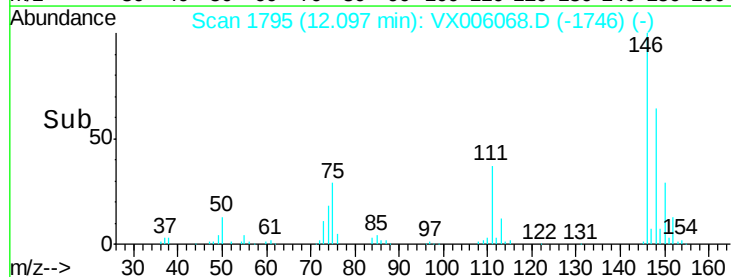
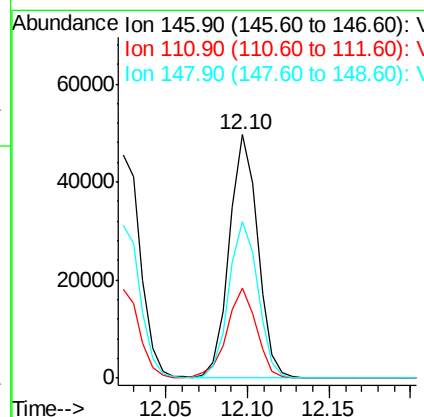
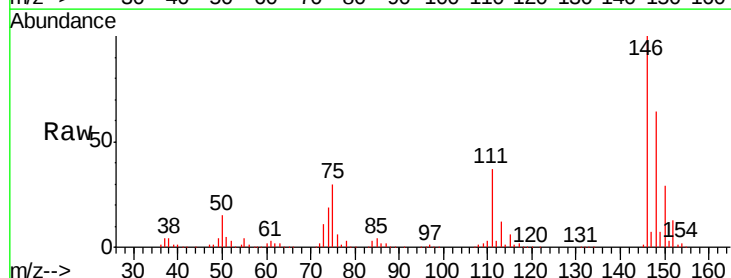
RT: 12.10 min Scan# 1795

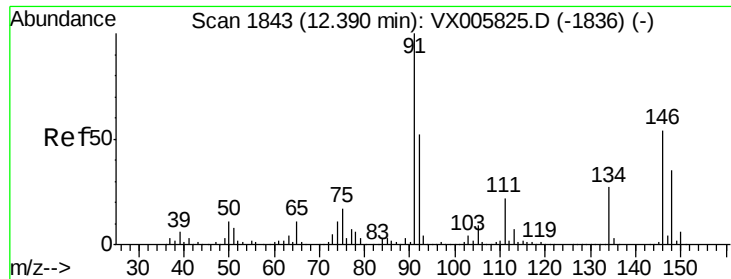
Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	65.9	32.1	96.3





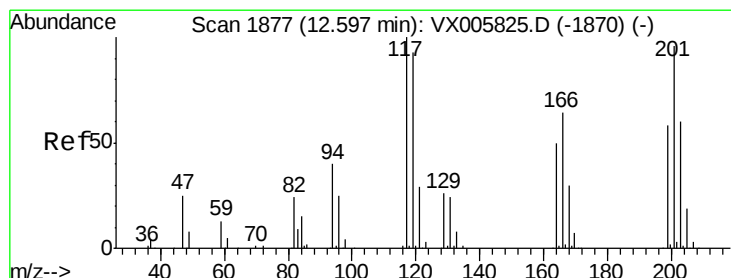
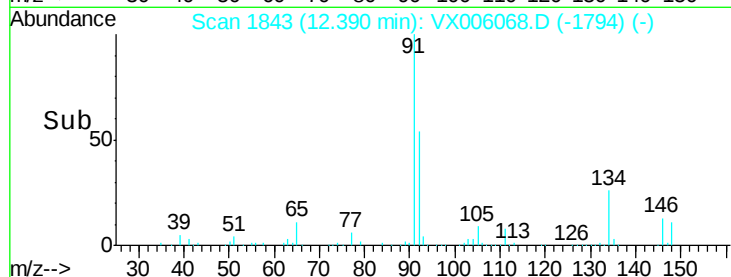
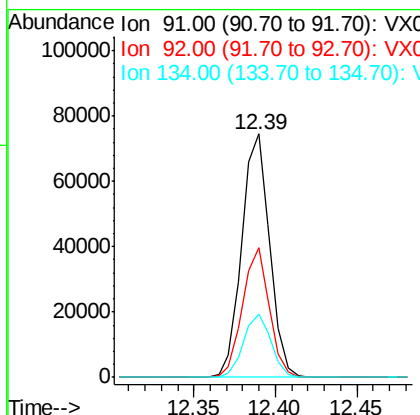
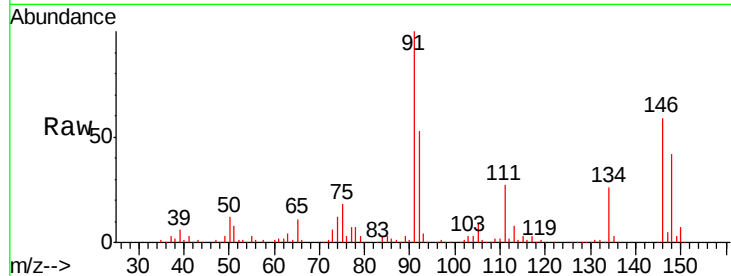
#89
n-Butylbenzene
Concen: 18.50 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	26.0	13.1	39.3

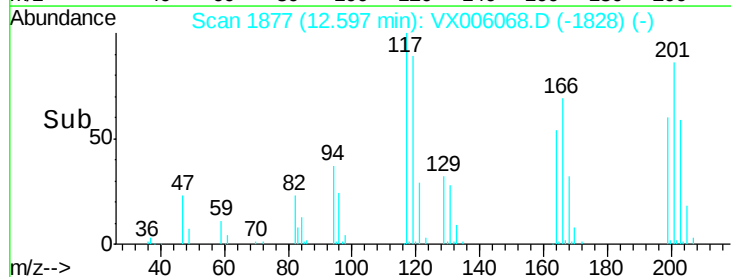
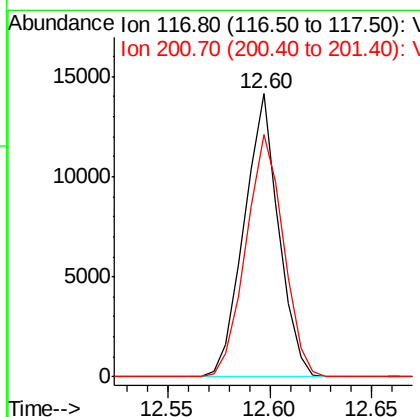
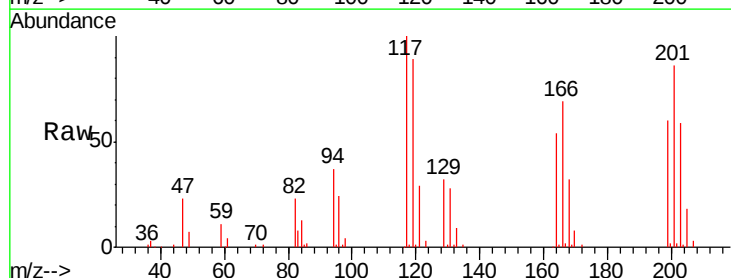
Manual Integrations
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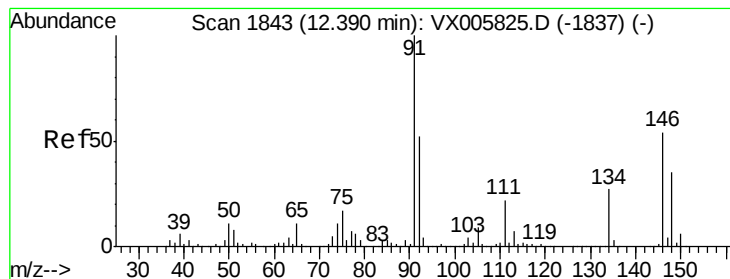
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#90
Hexachloroethane
Concen: 19.22 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 19.04 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

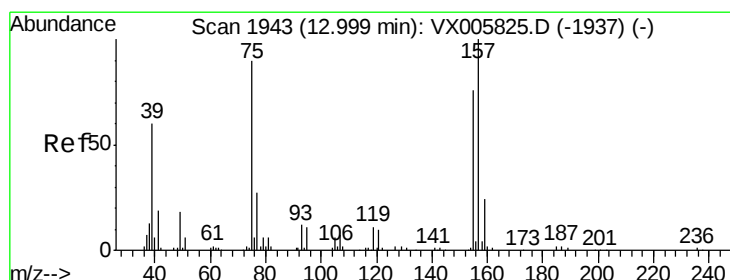
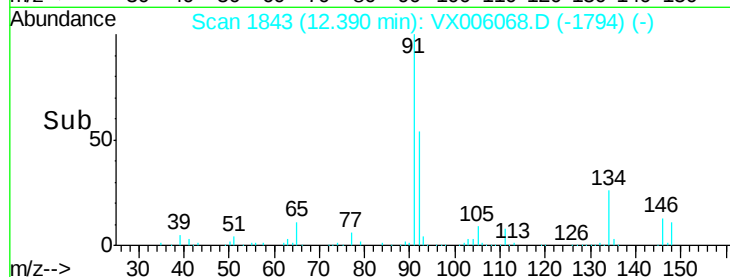
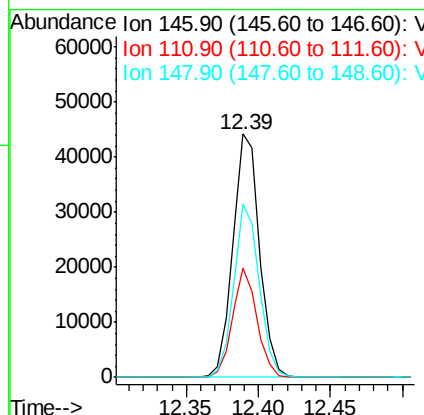
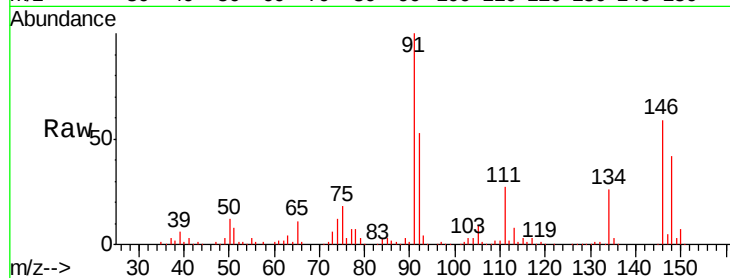
ClientSampleId :

VX1117WBSD01

Tgt Ion:	146	Resp:	57516
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.0	59.9
148	68.2	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.14 ug/l

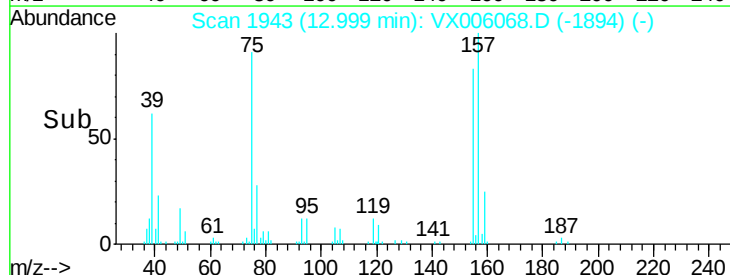
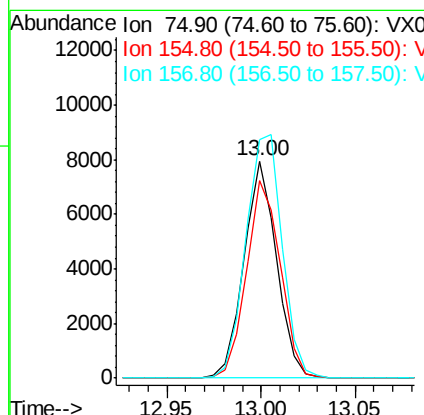
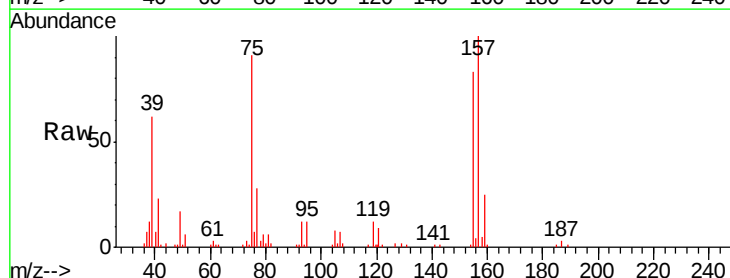
RT: 13.00 min Scan# 1943

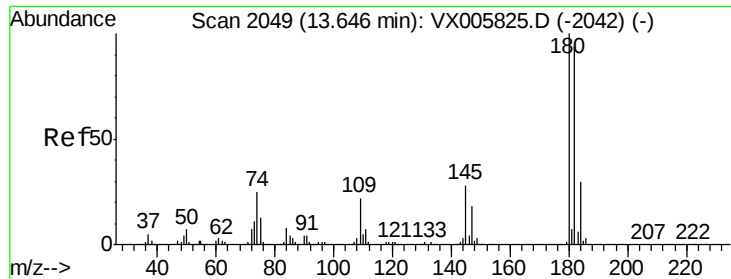
Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	75	Resp:	9555
Ion Ratio	Lower	Upper	
75	100		
155	94.3	45.4	136.1
157	124.8	57.4	172.0





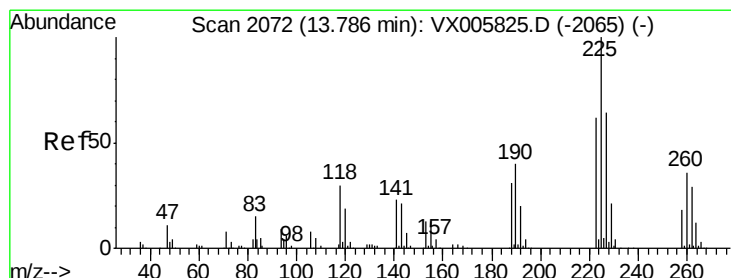
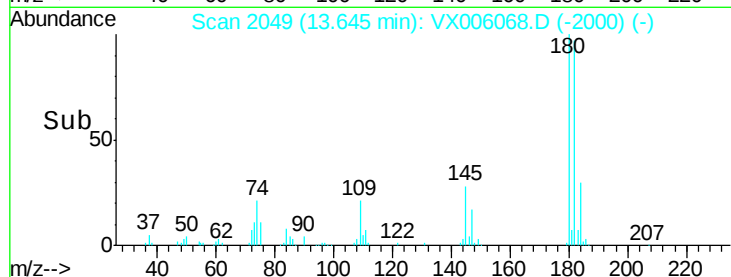
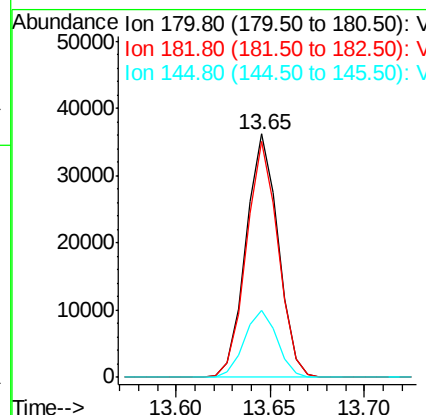
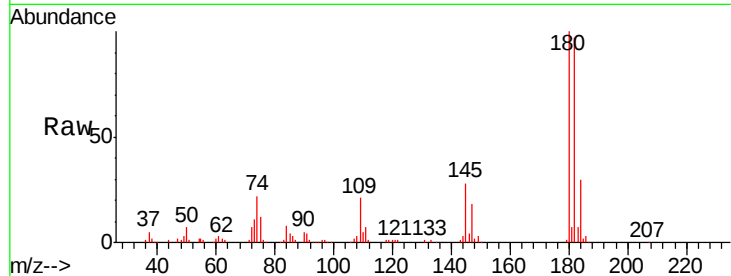
#93
 1,2,4-Trichlorobenzene
 Concen: 20.20 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	27.9	14.1	42.2

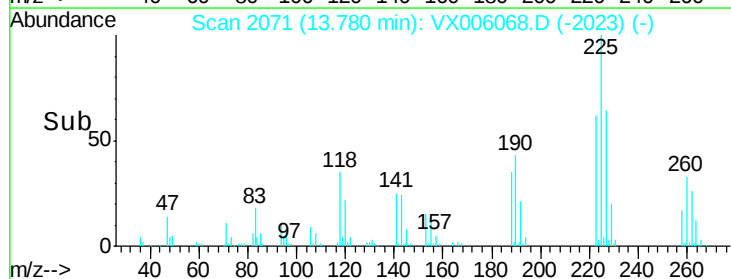
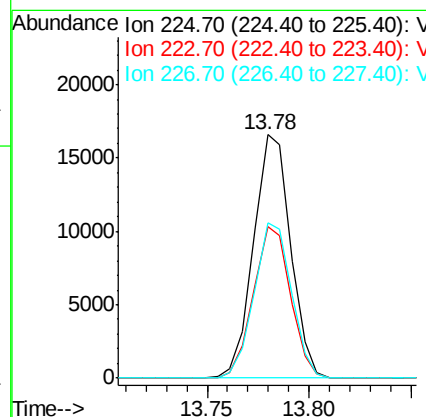
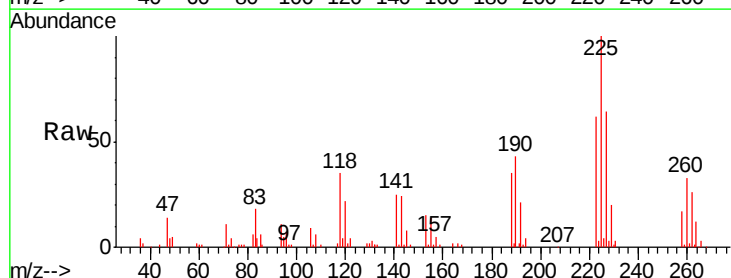
Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 9:24:42 AM



#94
 Hexachlorobutadiene
 Concen: 18.83 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	64.2	32.3	96.9





#95

Naphthalene

Concen: 19.74 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

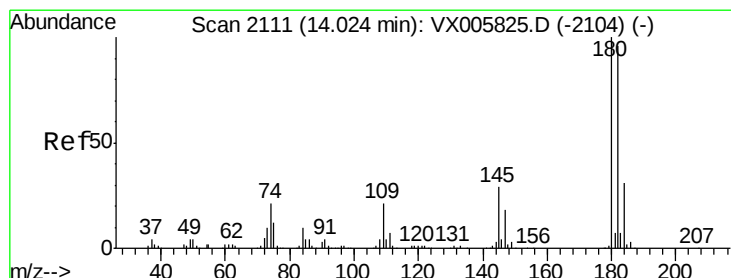
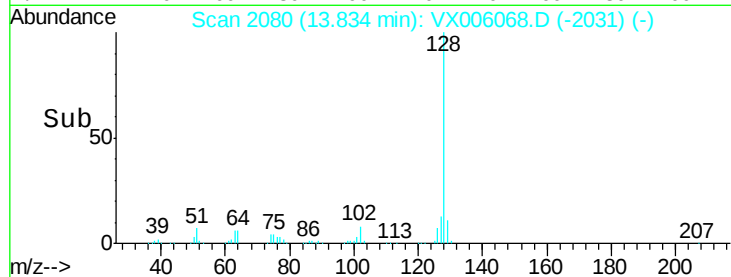
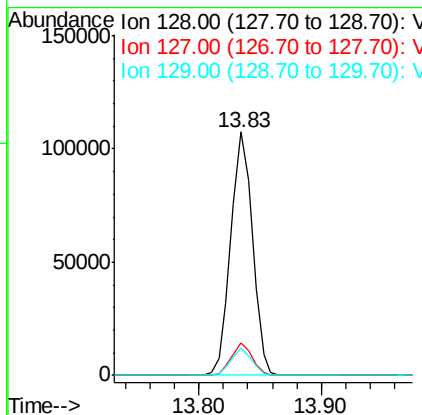
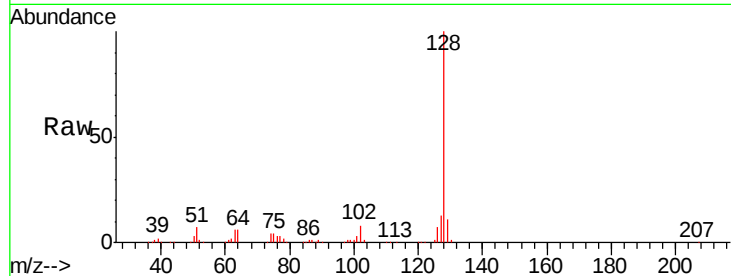
ClientSampleId :

VX1117WBSD01

Tgt Ion:	128	Resp:	131850
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/19/2018 9:24:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.74 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:	180	Resp:	44923
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.0	144.2
145	30.3	15.1	45.3

