

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003768.D
 Acq On : 01 Aug 2018 00:33
 Operator : JC/SP
 Sample : VX0731SBS02
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Manual Integrations
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 8/1/2018 6:54:40 PM

Quant Time: Aug 01 06:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	109165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	148116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	69798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	44253	40.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	80.16%	
35) Dibromofluoromethane	5.50	113	41300	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	8.72	98	186121	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.14	95	60302	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18787	20.39	ug/l	99
3) Chloromethane	1.32	50	21322	18.41	ug/l	99
4) Vinyl Chloride	1.40	62	24372	19.56	ug/l	# 86
5) Bromomethane	1.63	94	12798	17.55	ug/l	100
6) Chloroethane	1.71	64	14913	18.10	ug/l	100
7) Trichlorofluoromethane	1.92	101	31693	19.40	ug/l	97
8) Diethyl Ether	2.19	74	9758	15.80	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21234	20.49	ug/l	99
10) Methyl Iodide	2.50	142	13939	11.70	ug/l	98
11) Tert butyl alcohol	3.09	59	16247	90.88	ug/l	98
12) 1,1-Dichloroethene	2.37	96	18447	18.91	ug/l	96
13) Acrolein	2.29	56	5126	87.64	ug/l	93
14) Allyl chloride	2.72	41	32889	19.01	ug/l	97
15) Acrylonitrile	3.15	53	40917	90.00	ug/l	98
16) Acetone	2.45	43	32777	77.72	ug/l	100
17) Carbon Disulfide	2.56	76	56937	17.93	ug/l	97
18) Methyl Acetate	2.78	43	23693	19.99	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	43574	16.41	ug/l	100
20) Methylene Chloride	2.85	84	22022	17.78	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	19438	18.18	ug/l	95
22) Diisopropyl ether	3.87	45	55247	17.69	ug/l	97
23) Vinyl Acetate	3.82	43	178065	79.07	ug/l	98
24) 1,1-Dichloroethane	3.70	63	35265	19.37	ug/l	98
25) 2-Butanone	4.70	43	55813	90.79	ug/l	98
26) 2,2-Dichloropropane	4.58	77	25175	17.55	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	22069	19.15	ug/l	98
28) Bromochloromethane	5.03	49	13619	16.67	ug/l	97
29) Tetrahydrofuran	5.16	42	36291	92.63	ug/l	99
30) Chloroform	5.21	83	32507	18.12	ug/l	96
31) Cyclohexane	5.58	56	35156	19.99	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	29941	19.42	ug/l	98
36) 1,1-Dichloropropene	5.81	75	27994	20.18	ug/l	99
37) Ethyl Acetate	4.85	43	20362	19.11	ug/l	98
38) Carbon Tetrachloride	5.78	117	25663	20.00	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36938	21.69	ug/l	96
40) Benzene	6.14	78	74610	18.77	ug/l	99
41) Methacrylonitrile	5.06	41	11319	18.85	ug/l	98
42) 1,2-Dichloroethane	6.20	62	20984	17.48	ug/l	98
43) Isopropyl Acetate	6.46	43	29534	17.40	ug/l	99
44) Trichloroethene	7.21	130	21394	18.87	ug/l	95
45) 1,2-Dichloropropane	7.52	63	18755	19.19	ug/l	99
46) Dibromomethane	7.66	93	9256	16.43	ug/l	99
47) Bromodichloromethane	7.90	83	19639	17.49	ug/l	96
48) Methyl methacrylate	7.77	41	15075	17.70	ug/l	99
49) 1,4-Dioxane	7.76	88	7568	440.32	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	94361	90.44	ug/l	100
52) Toluene	8.79	92	47311	19.08	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	20739	16.18	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	23580	16.50	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	14464	16.95	ug/l	96
56) Ethyl methacrylate	9.18	69	19142	16.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	25590	17.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	44875	83.25	ug/l	99
59) 2-Hexanone	9.50	43	71205	89.58	ug/l	99
60) Dibromochloromethane	9.59	129	14018	16.31	ug/l	99
61) 1,2-Dibromoethane	9.68	107	15054	17.28	ug/l	99
64) Tetrachloroethene	9.34	164	24634	24.93	ug/l	93
65) Chlorobenzene	10.14	112	51003	19.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	15984	18.66	ug/l	99
67) Ethyl Benzene	10.26	91	90466	20.39	ug/l	100
68) m/p-Xylenes	10.36	106	70747	40.77	ug/l	99
69) o-Xylene	10.70	106	32143	19.95	ug/l	99
70) Styrene	10.71	104	52120	19.23	ug/l	99
71) Bromoform	10.86	173	9853	16.73	ug/l #	98
73) Isopropylbenzene	11.02	105	94193	21.56	ug/l	99
74) N-amyl acetate	6.46	43	29534	19.07	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	20293	17.86	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	17679m	18.38	ug/l	
77) Bromobenzene	11.26	156	22356	19.62	ug/l	99
78) n-propylbenzene	11.36	91	113572	21.45	ug/l	99
79) 2-Chlorotoluene	11.42	91	61274	20.39	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	78942	21.17	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	4864	14.98	ug/l	91
82) 4-Chlorotoluene	11.51	91	73538	20.17	ug/l	99
83) tert-Butylbenzene	11.77	119	75934	20.58	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	79091	20.60	ug/l	99
85) sec-Butylbenzene	11.95	105	103792	21.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	93046	21.69	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	44970	19.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	44893	19.09	ug/l	98
89) n-Butylbenzene	12.39	91	87763	21.50	ug/l	100
90) Hexachloroethane	12.60	117	12493	19.61	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	40969	19.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4070	18.06	ug/l	95

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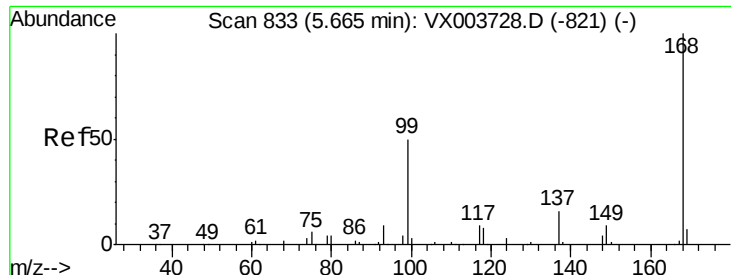
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	31572	18.55	ug/l	100
94) Hexachlorobutadiene	13.79	225	23432	21.52	ug/l	99
95) Naphthalene	13.84	128	80664	22.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	28660	18.55	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion:168 Resp: 109165

Ion Ratio Lower Upper

168 100

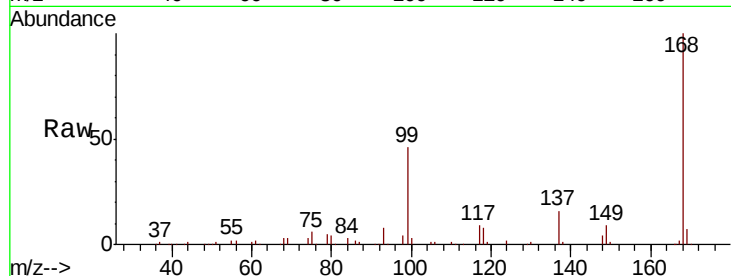
99 45.9 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

20000

10000

0

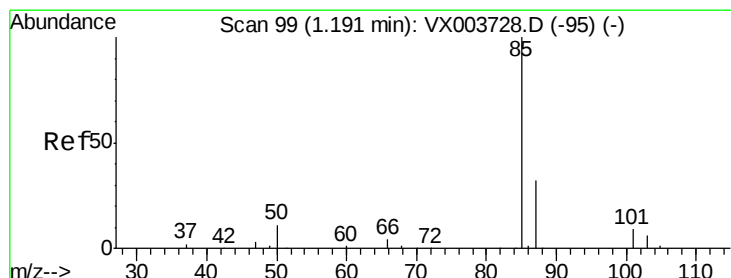
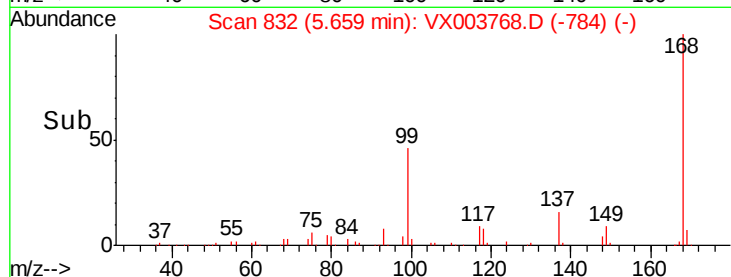
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 20.39 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.00 min

Lab File: VX003768.D

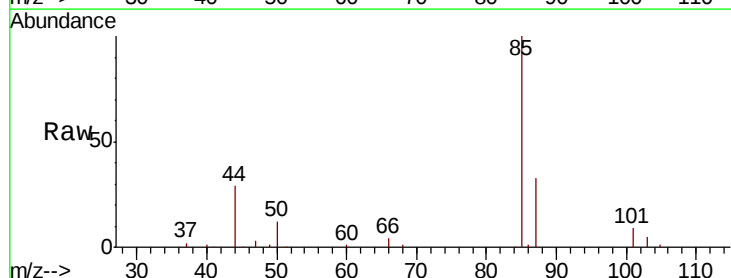
Acq: 01 Aug 2018 00:33

Tgt Ion: 85 Resp: 18787

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

10000

5000

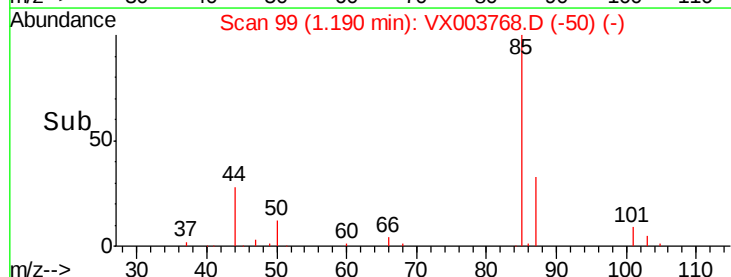
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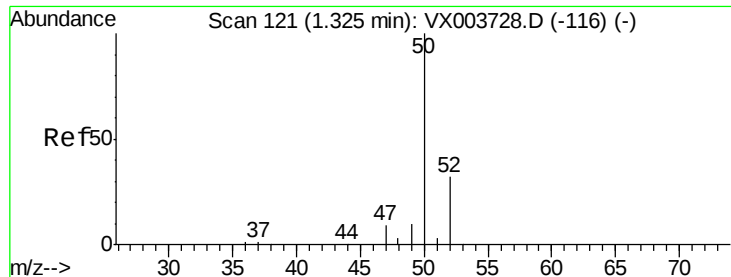
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 18.41 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 50 Resp: 21322

Ion Ratio Lower Upper

50 100

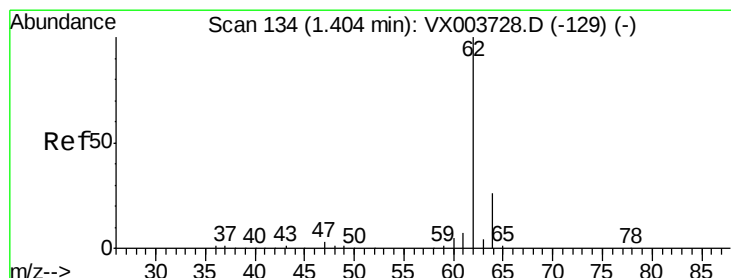
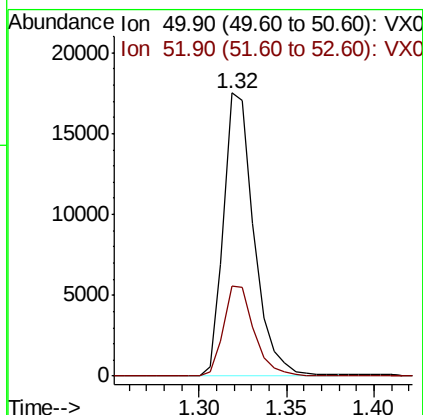
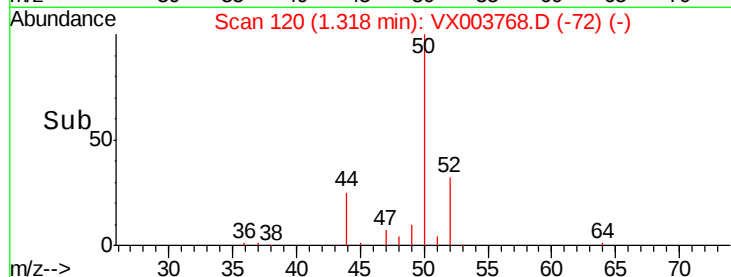
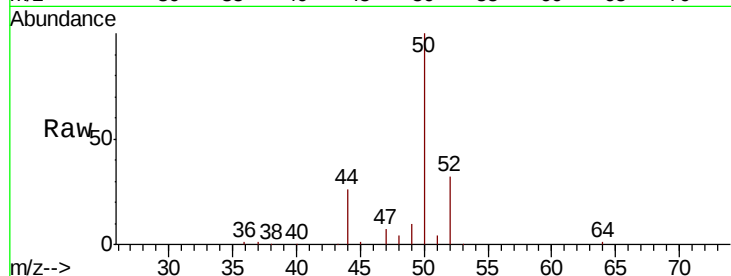
52 32.0 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003768.D

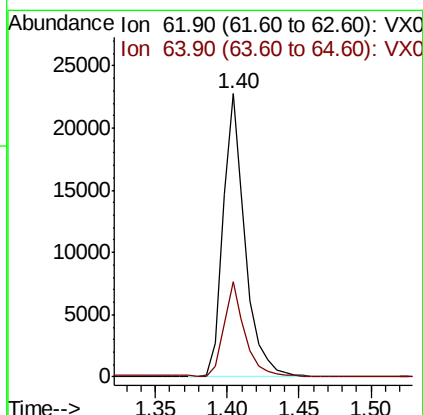
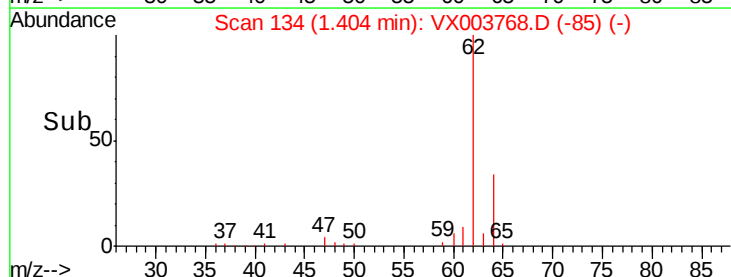
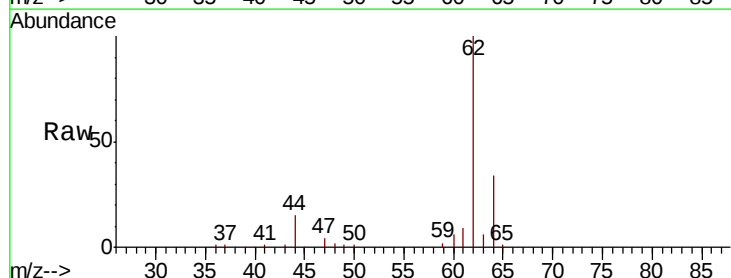
Acq: 01 Aug 2018 00:33

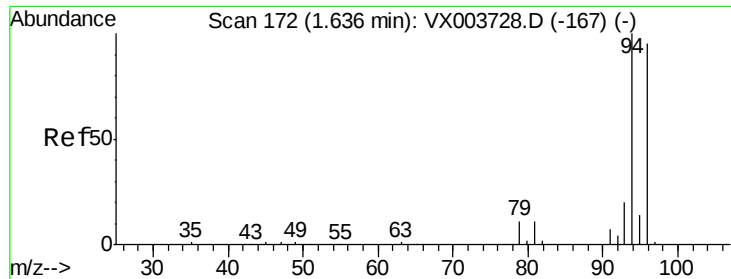
Tgt Ion: 62 Resp: 24372

Ion Ratio Lower Upper

62 100

64 33.6 21.0 31.4#





#5

Bromomethane

Concen: 17.55 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 94 Resp: 12798

Ion Ratio Lower Upper

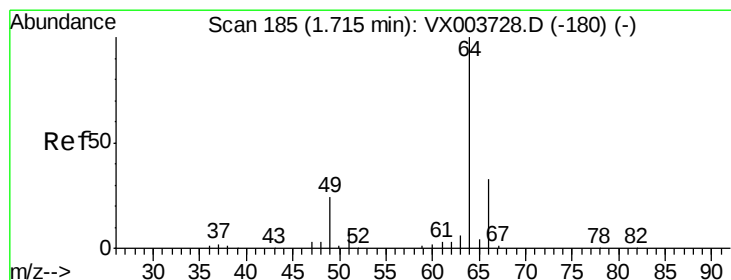
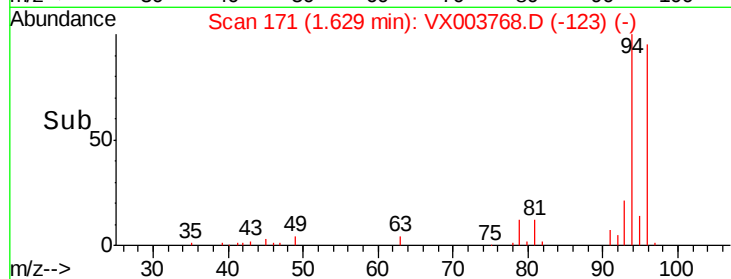
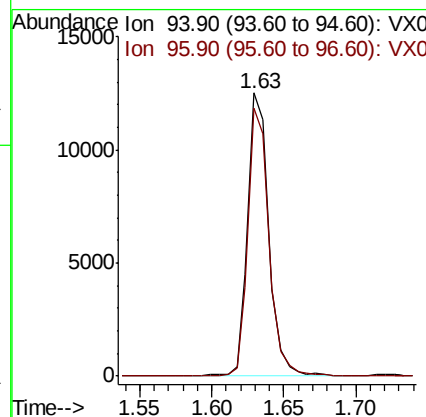
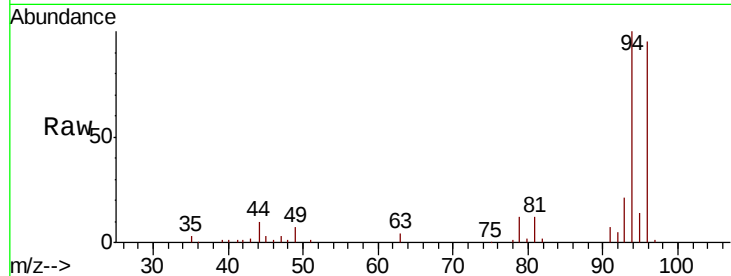
94 100

96 94.9 76.0 114.0

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#6

Chloroethane

Concen: 18.10 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003768.D

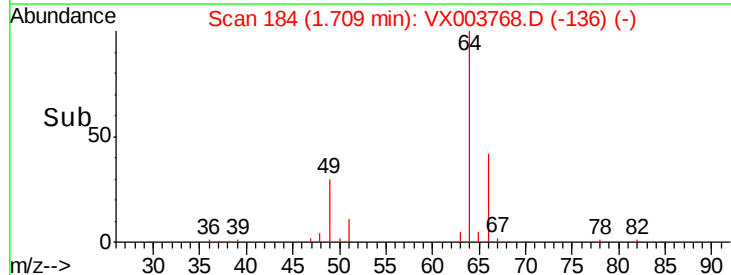
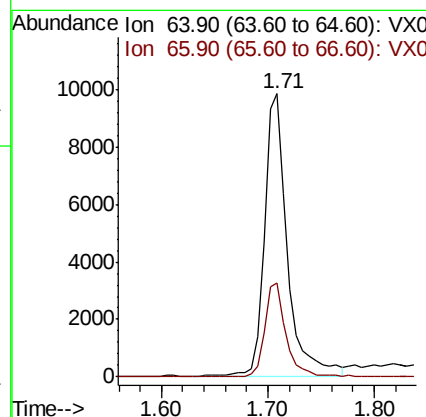
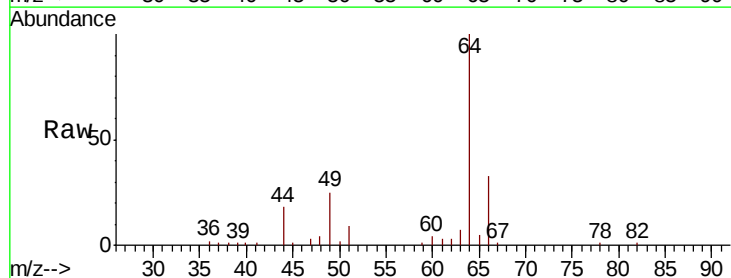
Acq: 01 Aug 2018 00:33

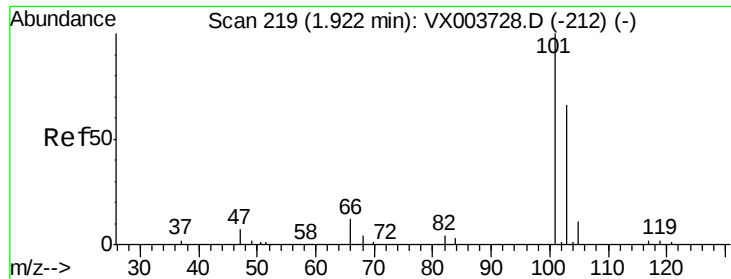
Tgt Ion: 64 Resp: 14913

Ion Ratio Lower Upper

64 100

66 33.2 26.4 39.6





#7

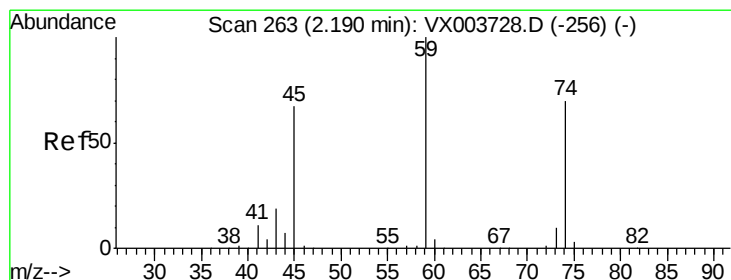
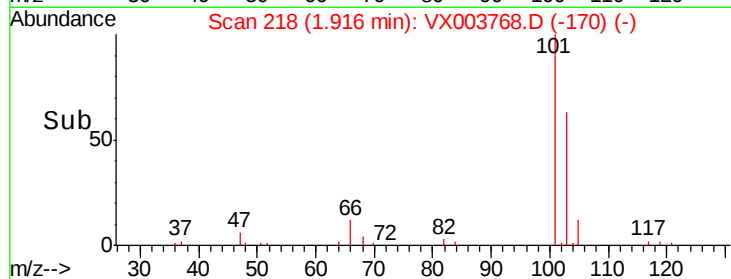
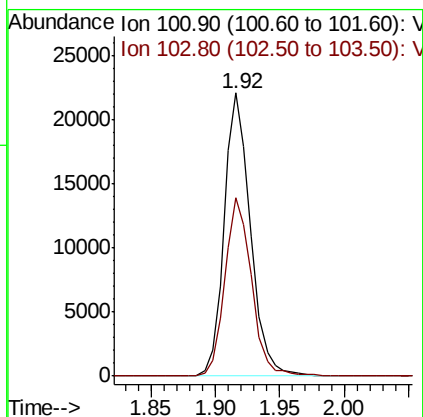
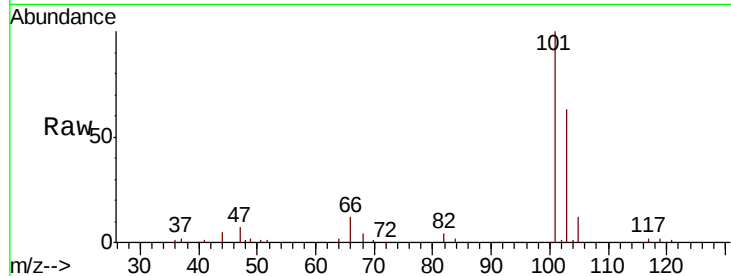
Trichlorofluoromethane
 Concen: 19.40 ug/l
 RT: 1.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
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 ClientSampleId :
 VX0731SBS02

Tot Ion:101 Resp: 31693
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.6 78.8

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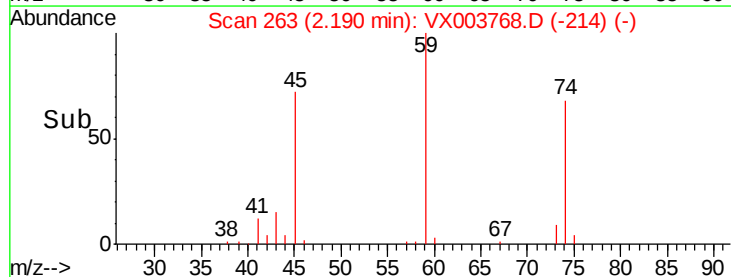
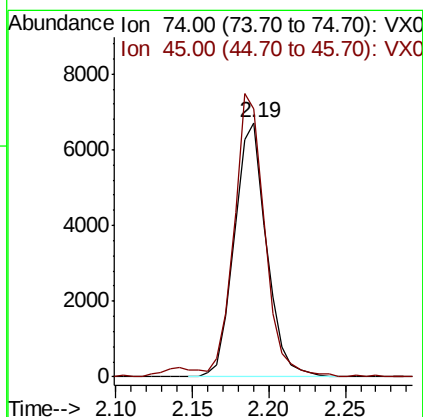
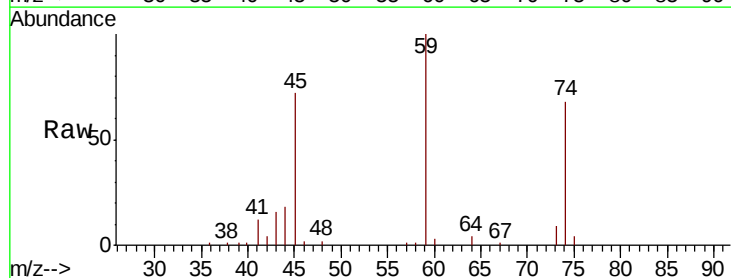
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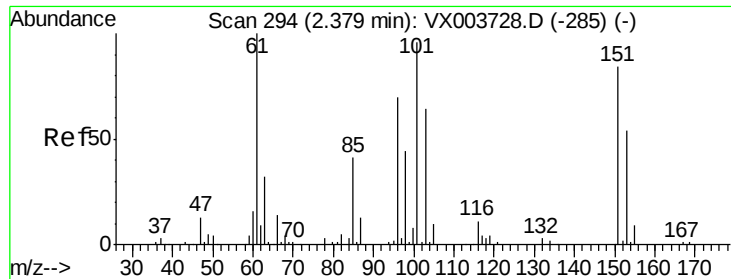


#8

Diethyl Ether
 Concen: 15.80 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion: 74 Resp: 9758
 Ion Ratio Lower Upper
 74 100
 45 106.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.49 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

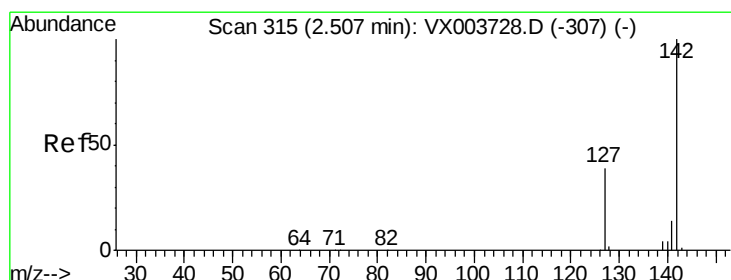
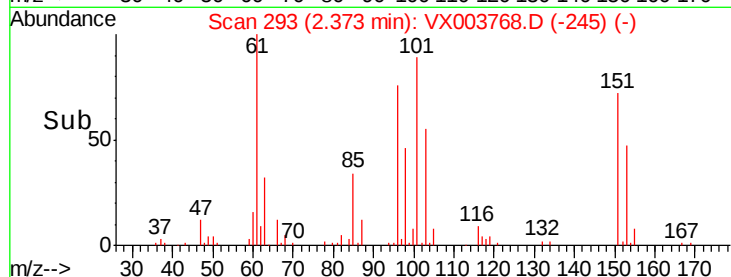
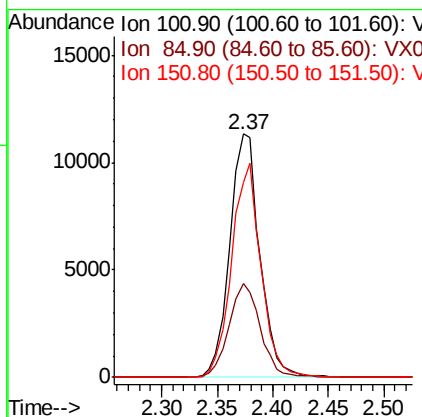
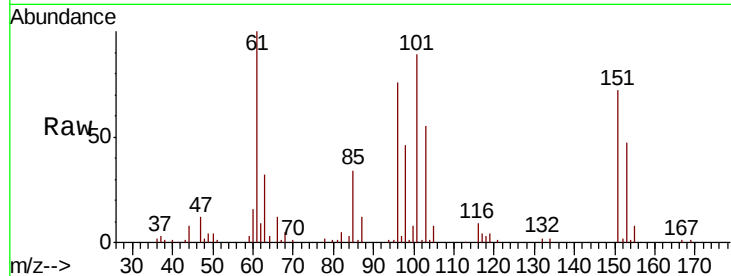
ClientSampled :

VX0731SBS02

Tot Ion:	101	Resp:	21234
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.3	49.9
151	85.5	68.8	103.2

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#10

Methyl Iodide

Concen: 11.70 ug/l

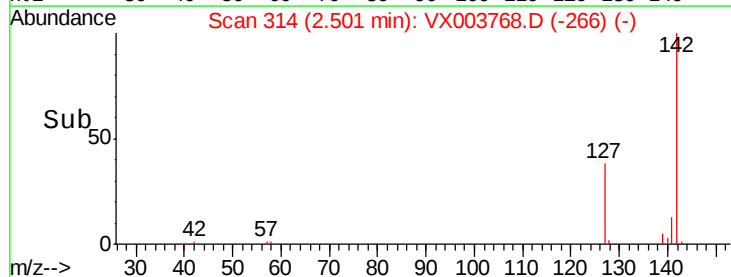
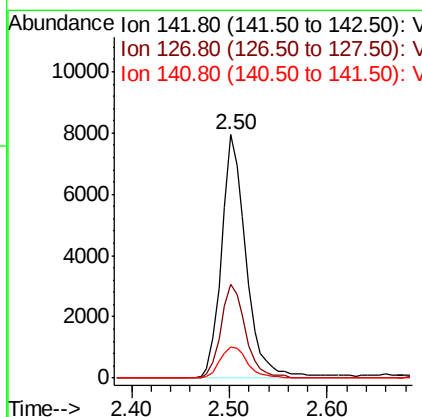
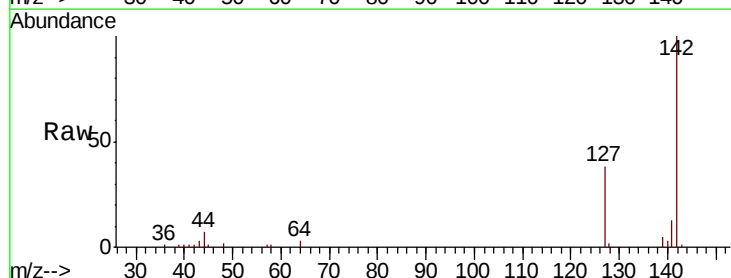
RT: 2.50 min Scan# 314

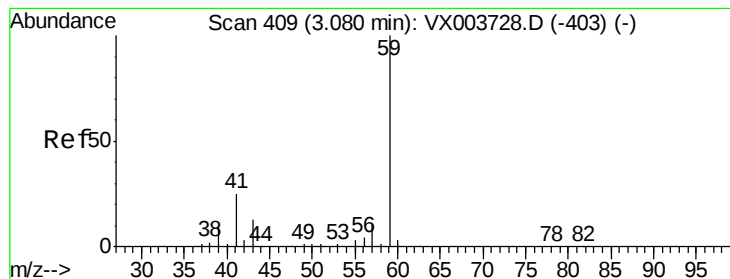
Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Tgt Ion:	142	Resp:	13939
Ion Ratio	Lower	Upper	
142	100		
127	38.2	32.0	48.0
141	14.2	11.3	16.9





#11

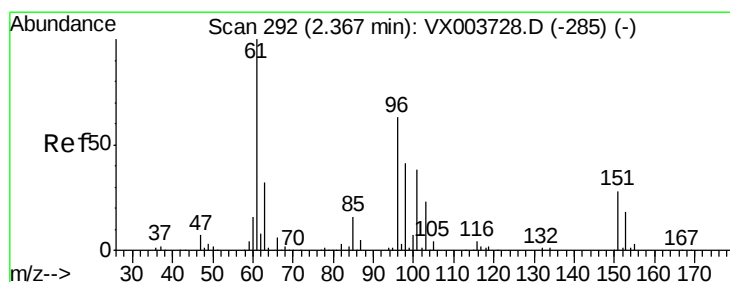
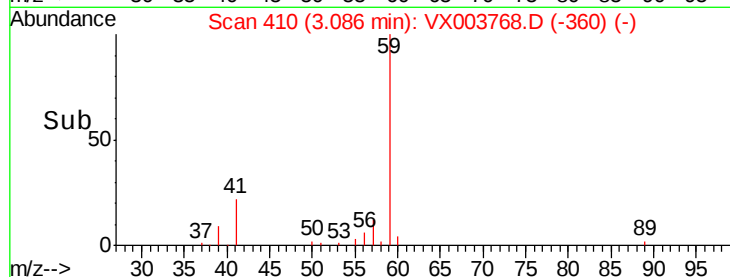
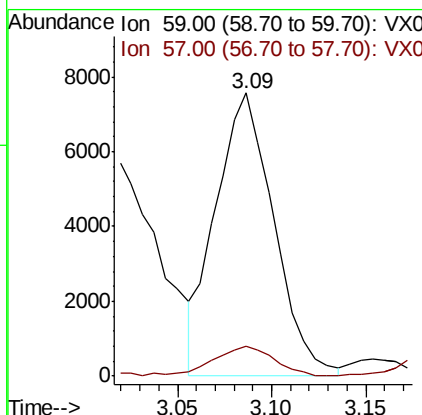
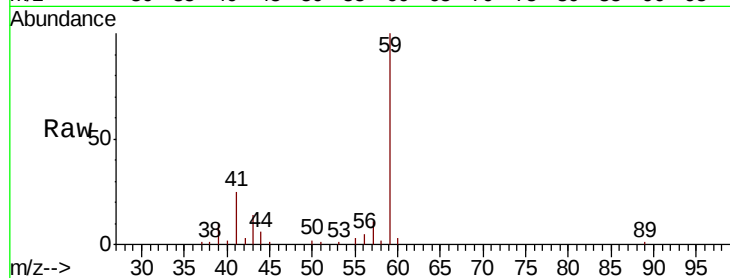
Tert butyl alcohol
 Concen: 90.88 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.1	12.1

Manual Integrations
 APPROVED

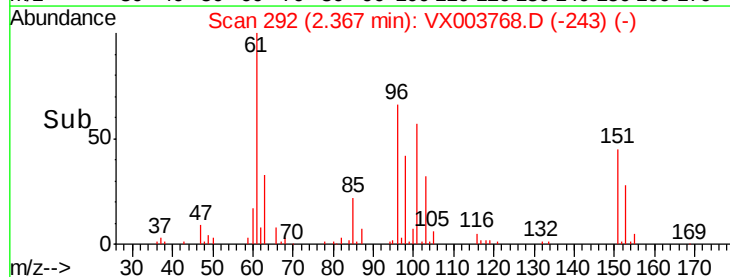
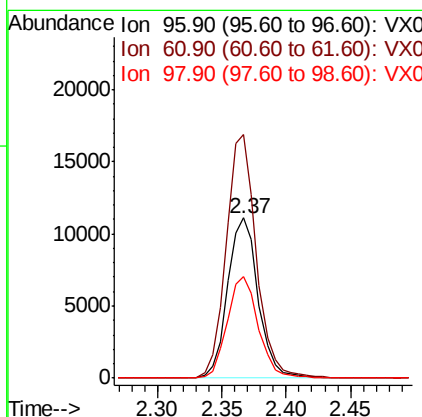
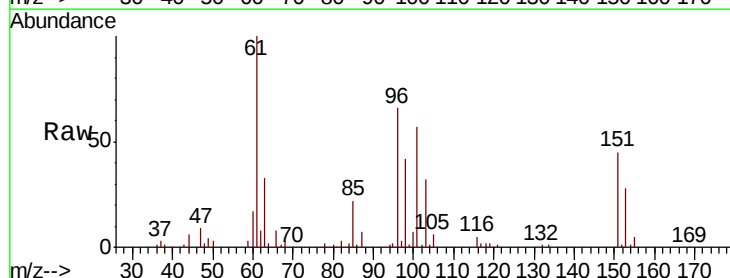
apatel
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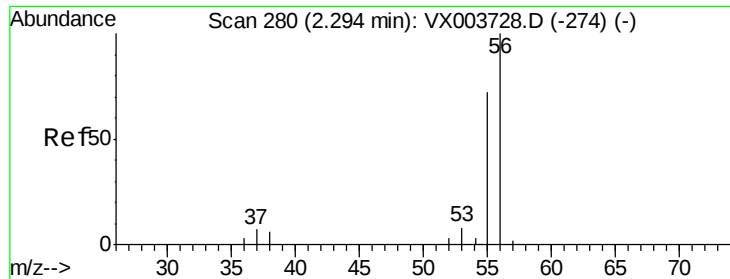


#12

1,1-Dichloroethene
 Concen: 18.91 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	127.1	190.7
98	63.4	52.0	78.0





#13

Acrolein

Concen: 87.64 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 56 Resp: 5126

Ion Ratio Lower Upper

56 100

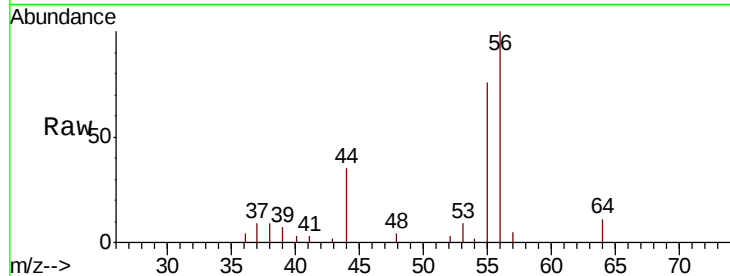
55 71.1 61.4 92.0

Manual Integrations

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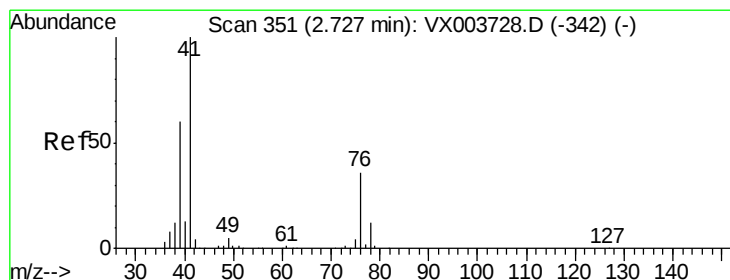
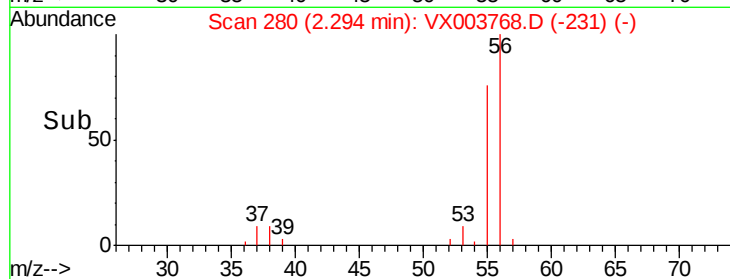
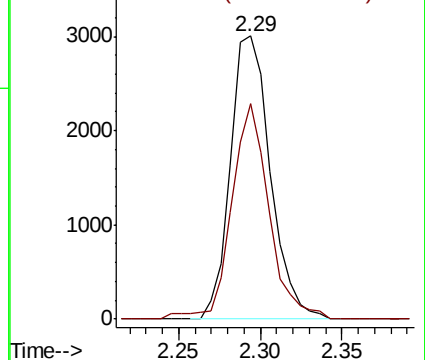
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.01 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

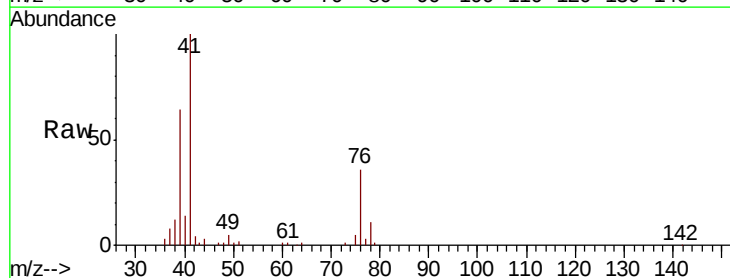
Tgt Ion: 41 Resp: 32889

Ion Ratio Lower Upper

41 100

39 56.0 47.7 71.5

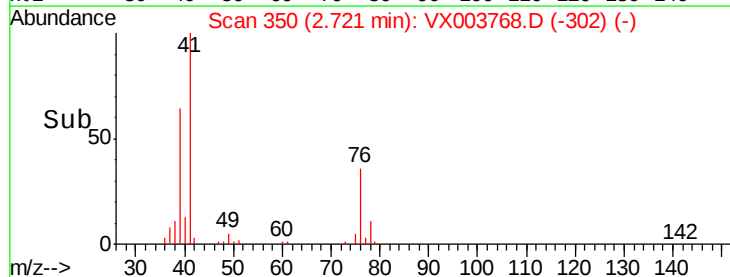
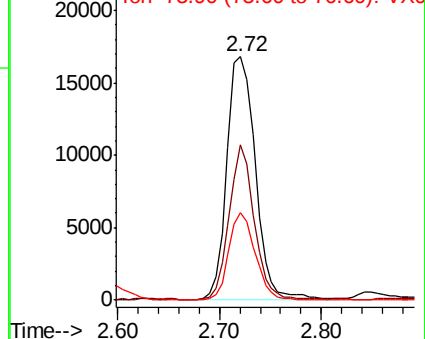
76 33.1 27.0 40.6

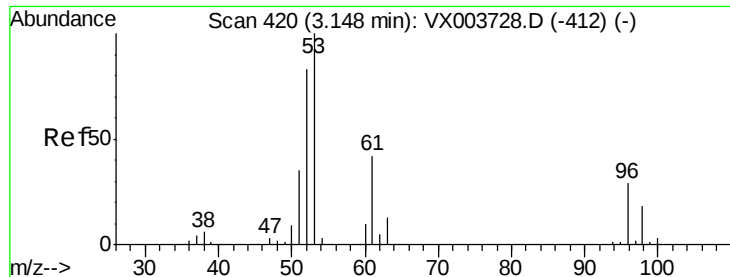


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 90.00 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

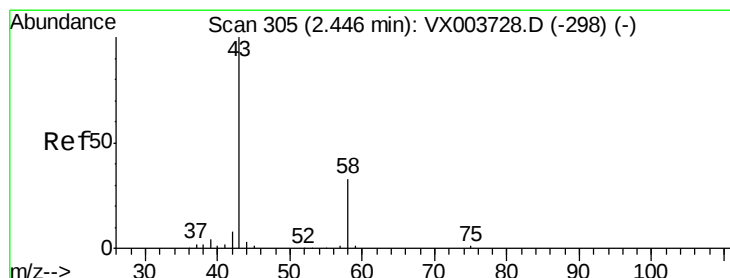
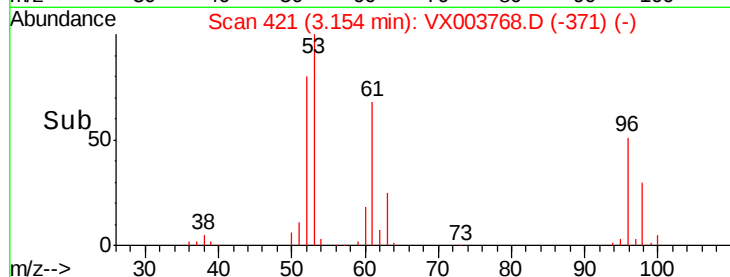
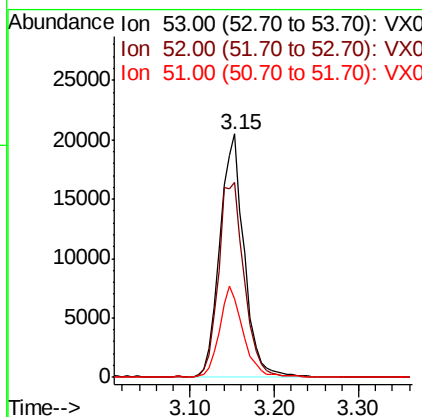
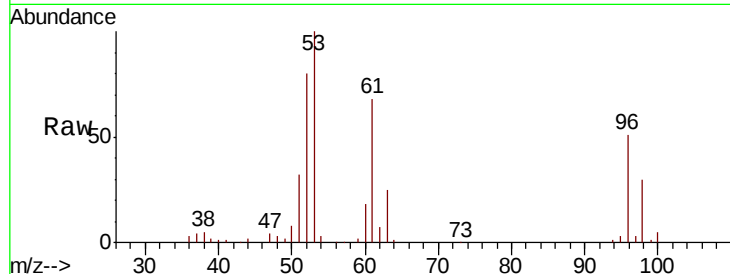
ClientSampleId :

VX0731SBS02

Tot Ion:	53	Resp:	40917
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.2	99.2
51	36.5	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 77.72 ug/l

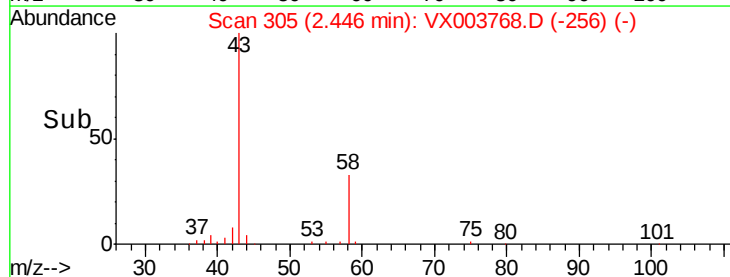
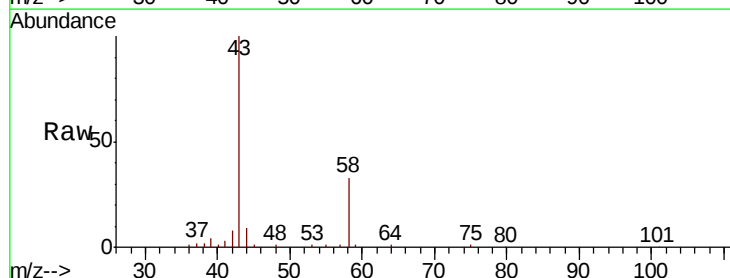
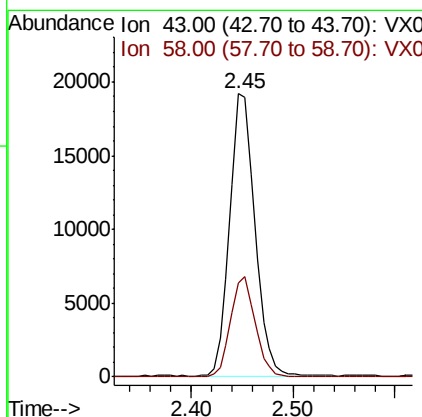
RT: 2.45 min Scan# 305

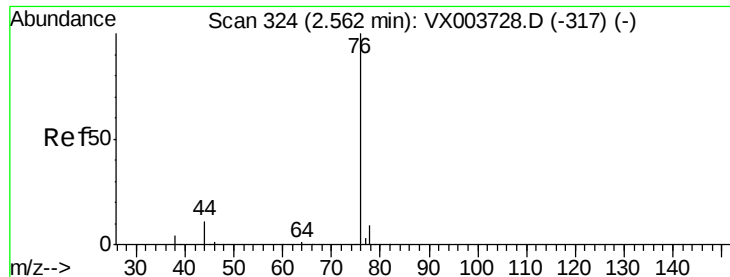
Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Tgt Ion:	43	Resp:	32777
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.7	40.1





#17

Carbon Disulfide

Concen: 17.93 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 76 Resp: 56937

Ion Ratio Lower Upper

76 100

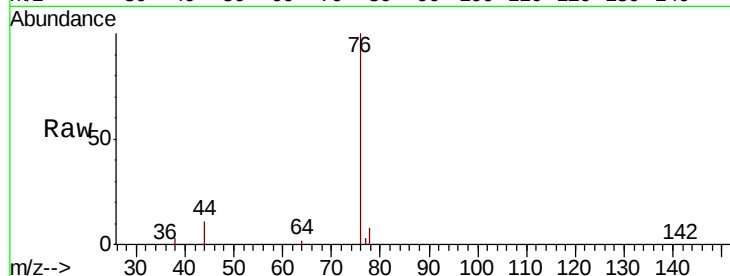
78 7.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

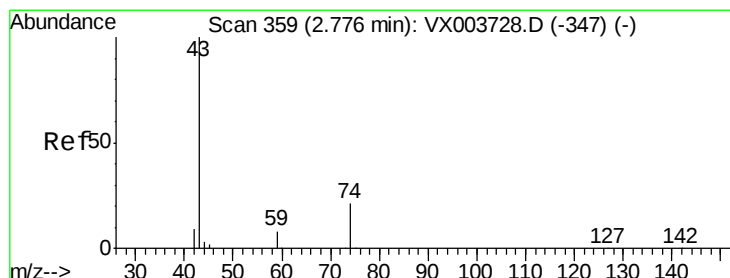
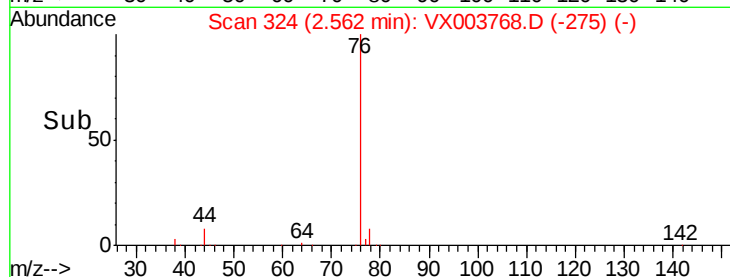
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.99 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX003768.D

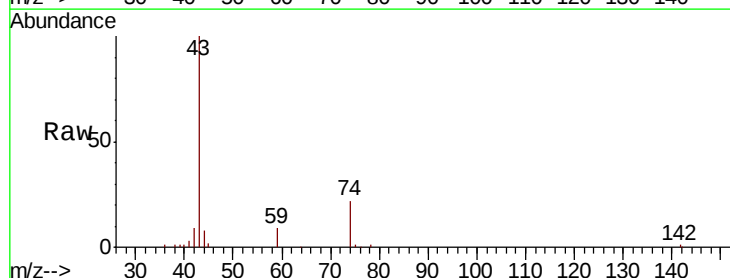
Acq: 01 Aug 2018 00:33

Tgt Ion: 43 Resp: 23693

Ion Ratio Lower Upper

43 100

74 21.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

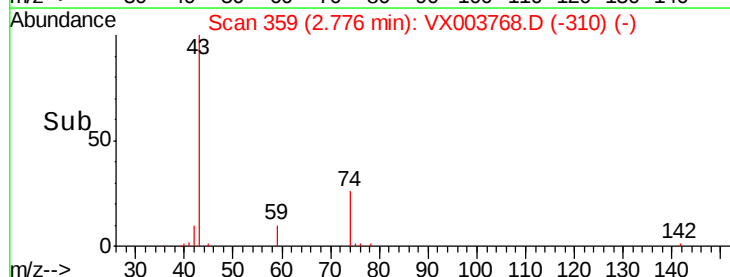
15000

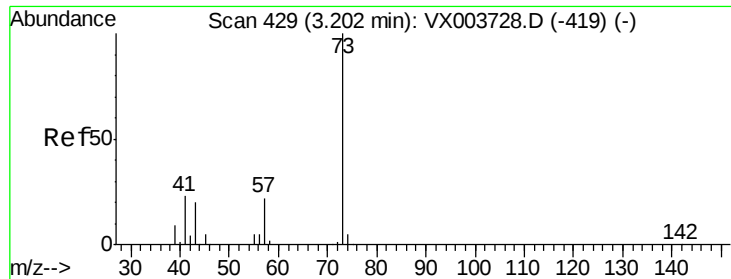
10000

5000

0

Time-->





#19

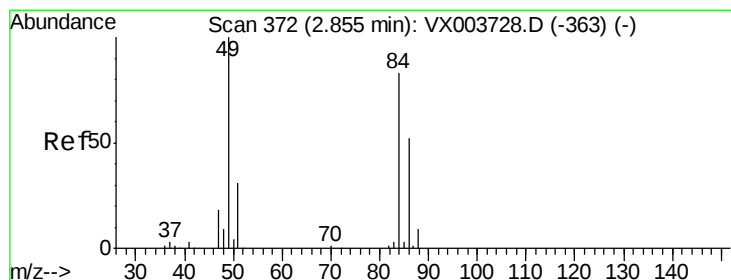
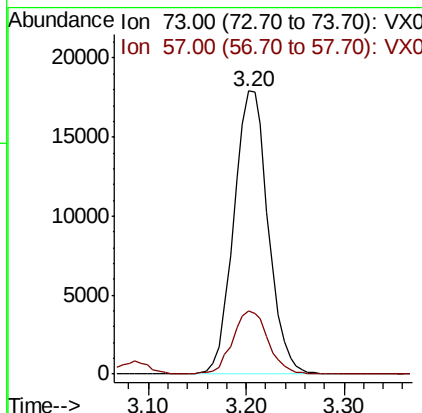
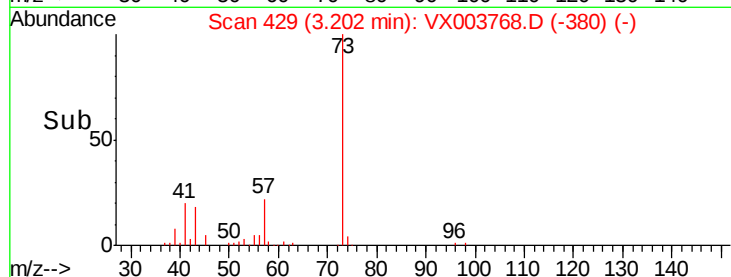
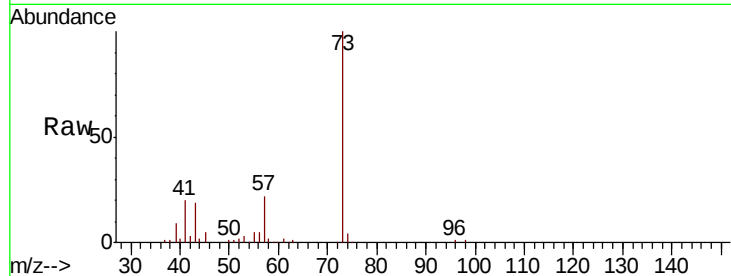
Methyl tert-butyl Ether
 Concen: 16.41 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	73	Resp	43574
Ion Ratio	Lower	Upper	
73	100		
57	22.4	18.0	27.0

Manual Integrations
 APPROVED

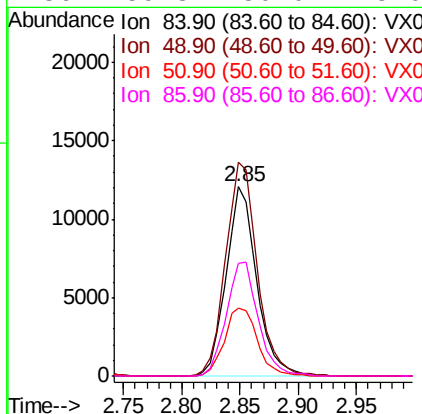
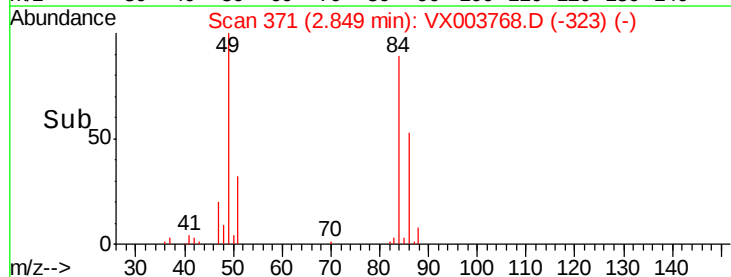
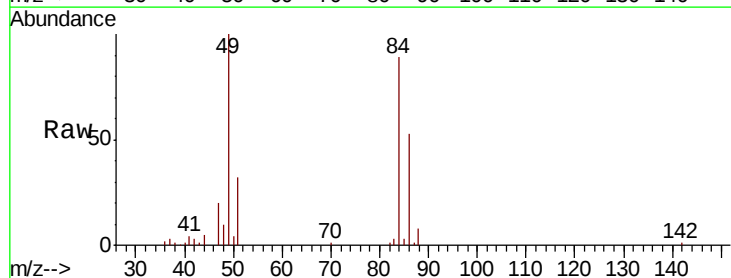
apatel
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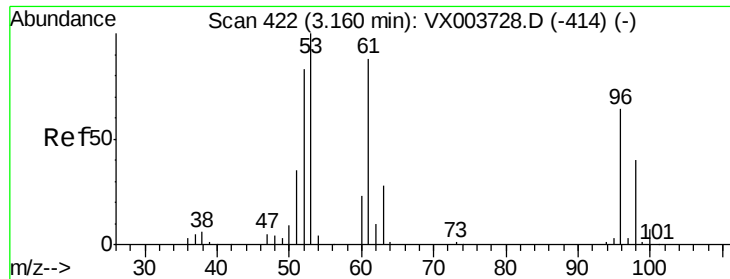


#20

Methylene Chloride
 Concen: 17.78 ug/l
 RT: 2.85 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	84	Resp	22022
Ion Ratio	Lower	Upper	
84	100		
49	112.8	95.8	143.8
51	35.8	29.6	44.4
86	59.3	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 18.18 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampled :

VX0731SBS02

Tot Ion: 96 Resp: 19438

Ion Ratio Lower Upper

96 100

61 131.7 110.9 166.3

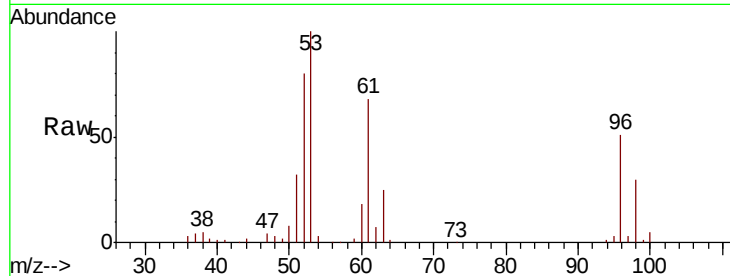
98 59.2 50.2 75.4

Manual Integrations

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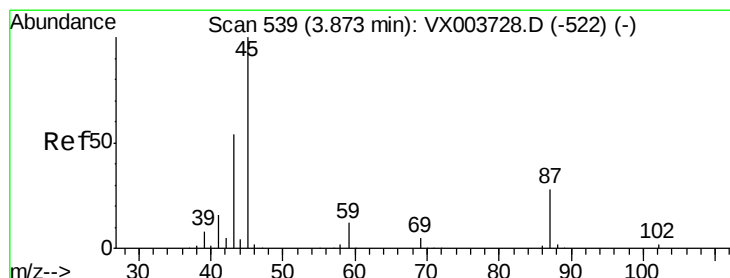
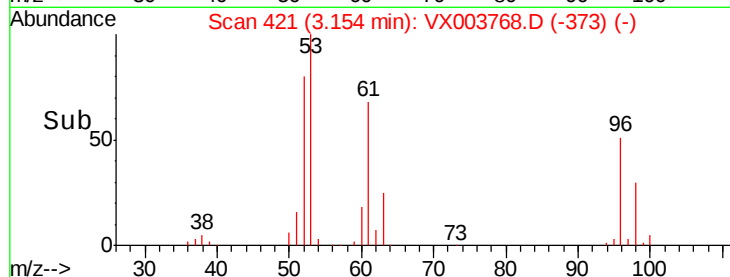
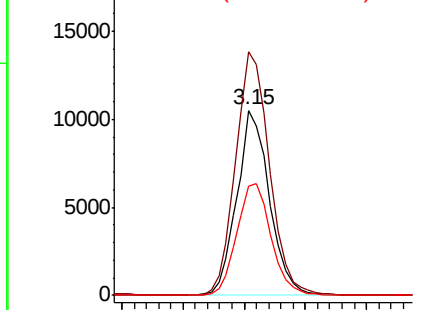
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.69 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Tgt Ion: 45 Resp: 55247

Ion Ratio Lower Upper

45 100

43 54.0 43.5 65.3

87 23.8 22.6 33.8

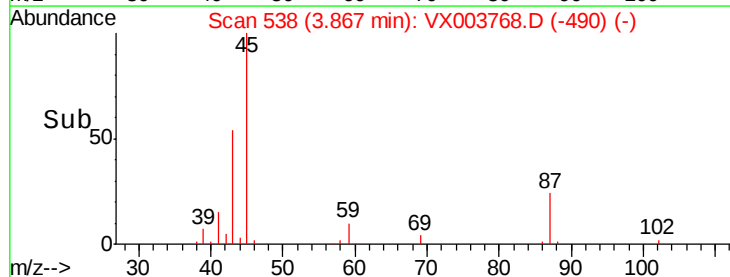
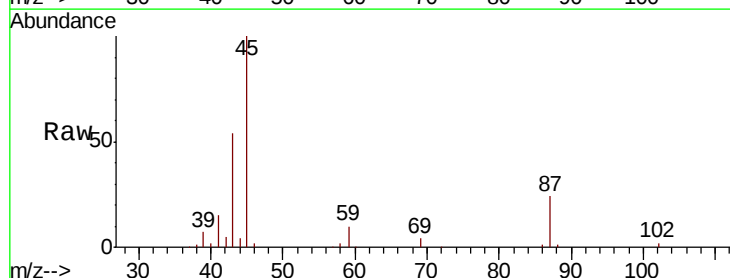
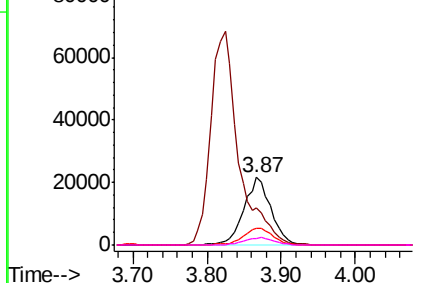
59 10.2 9.3 13.9

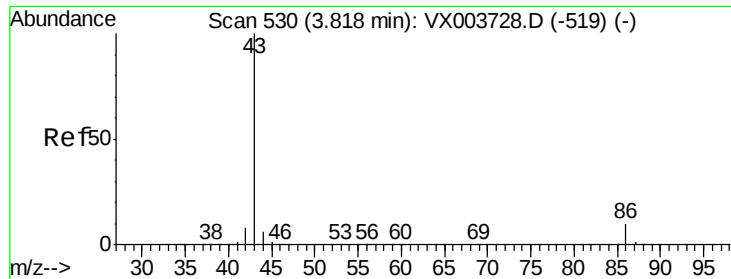
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 79.07 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 43 Resp: 178065

Ion Ratio Lower Upper

43 100

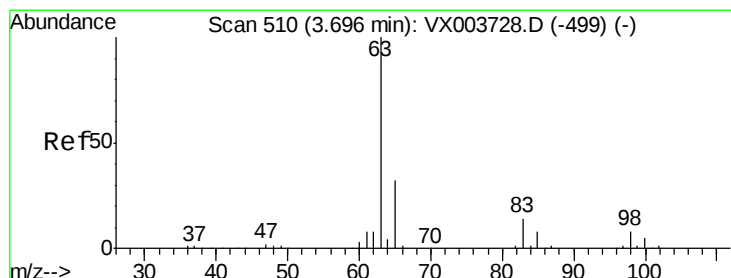
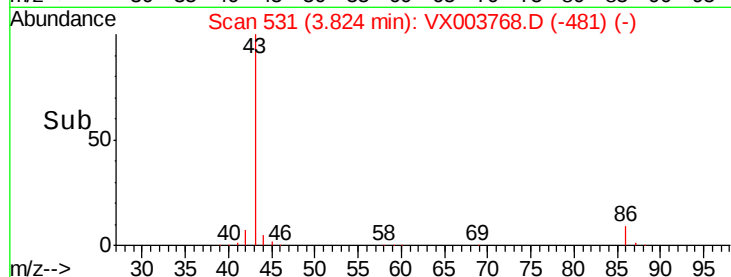
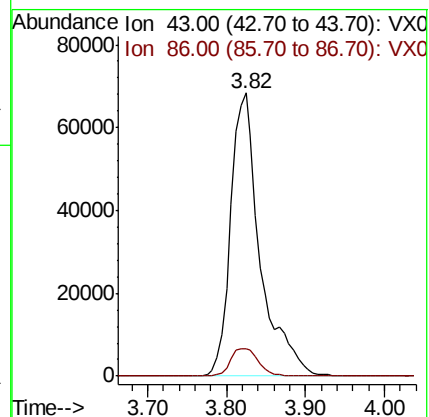
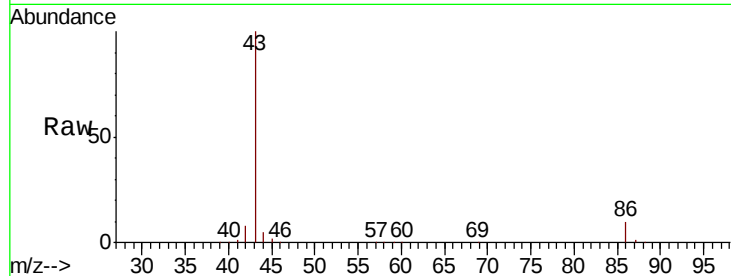
86 9.5 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.37 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

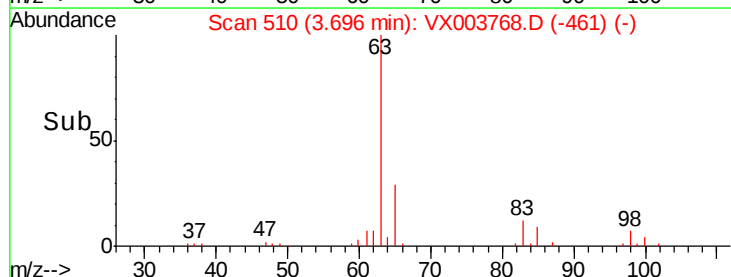
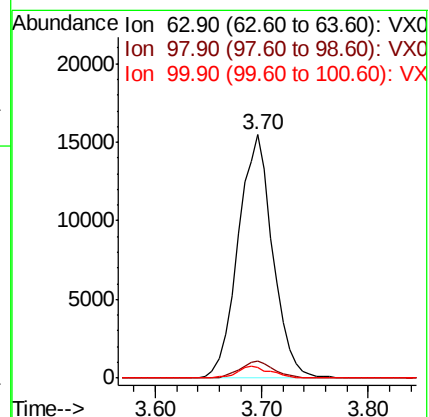
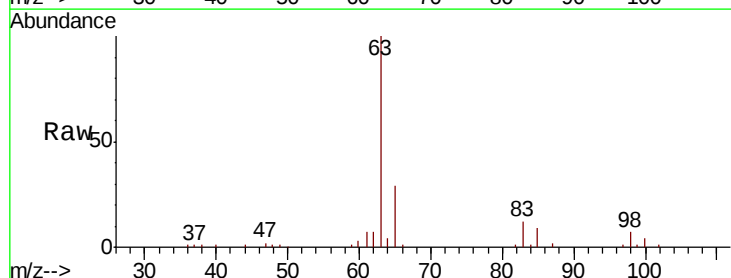
Tgt Ion: 63 Resp: 35265

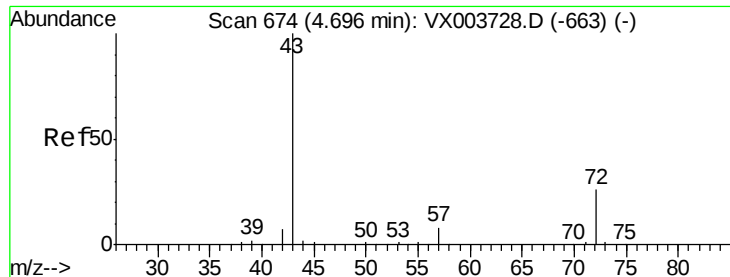
Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 90.79 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 43 Resp: 55813

Ion Ratio Lower Upper

43 100

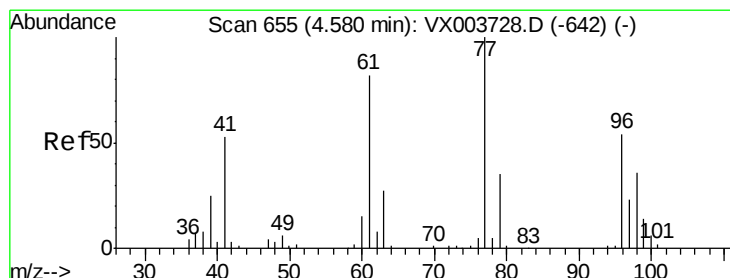
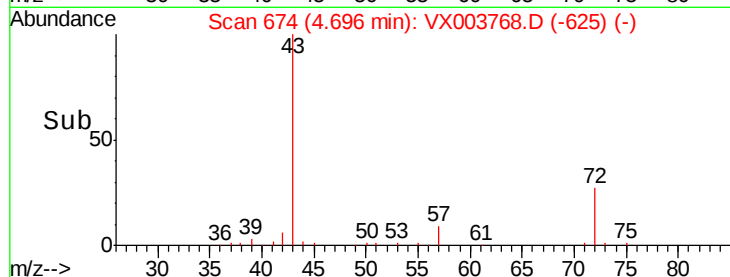
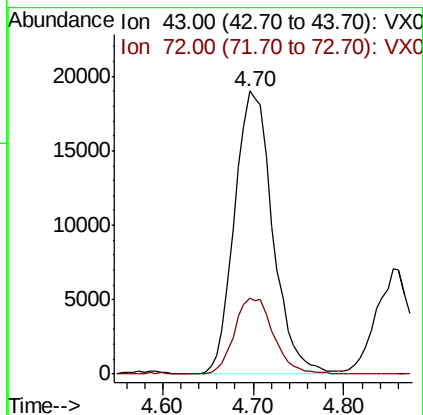
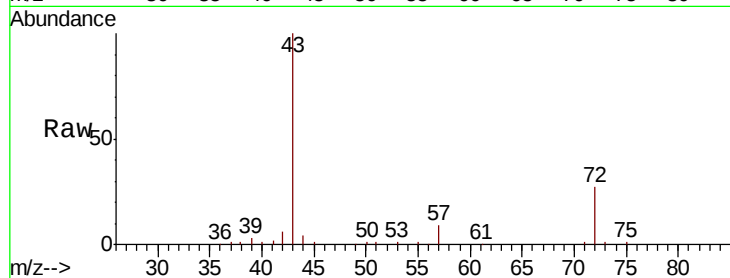
72 26.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.55 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX003768.D

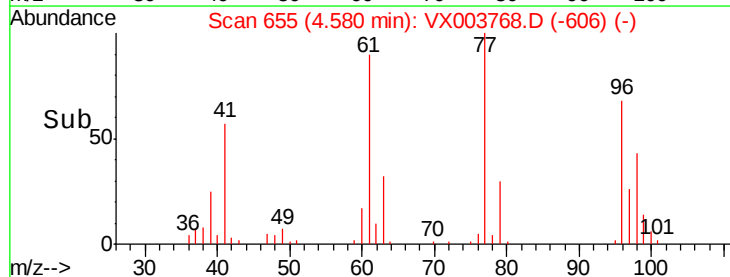
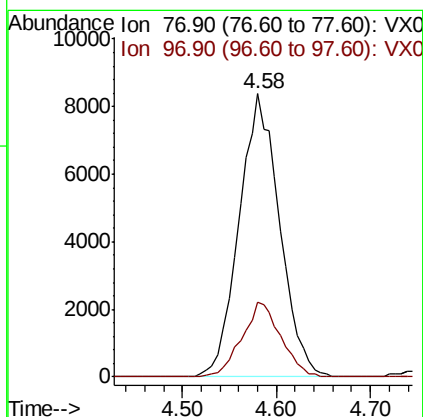
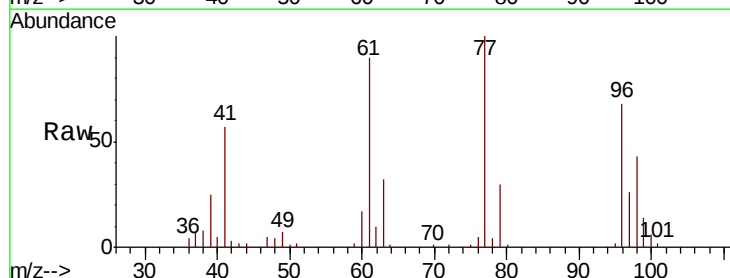
Acq: 01 Aug 2018 00:33

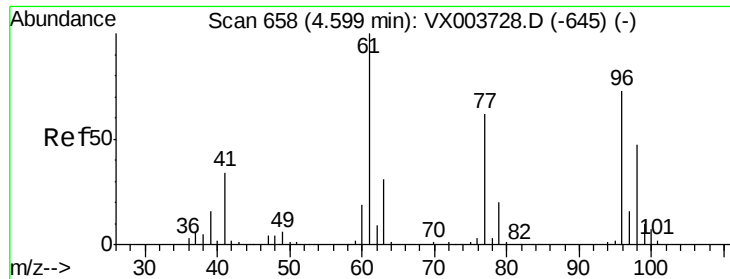
Tgt Ion: 77 Resp: 25175

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.15 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

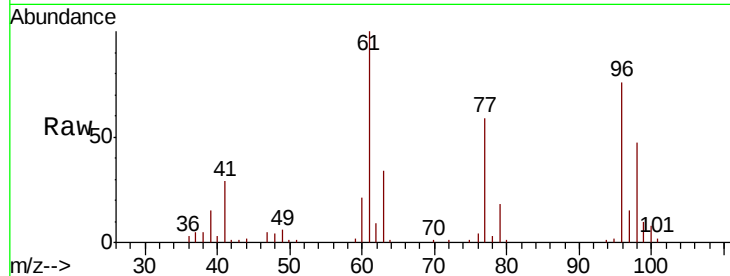
ClientSampleId :

VX0731SBS02

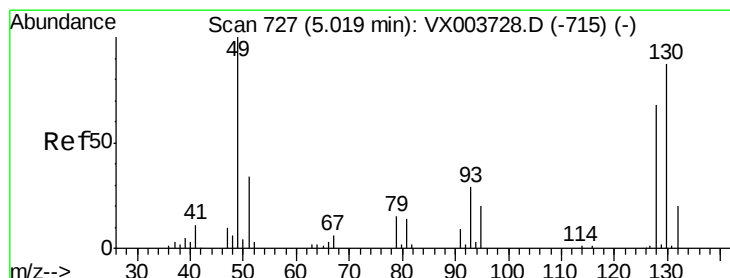
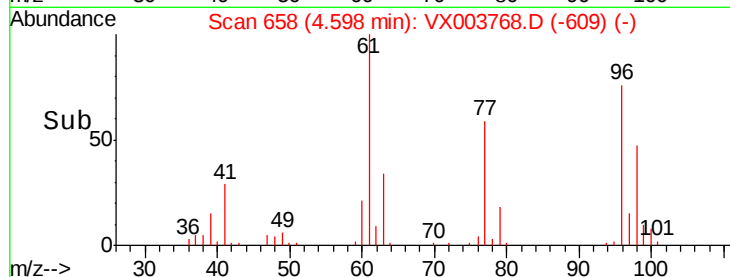
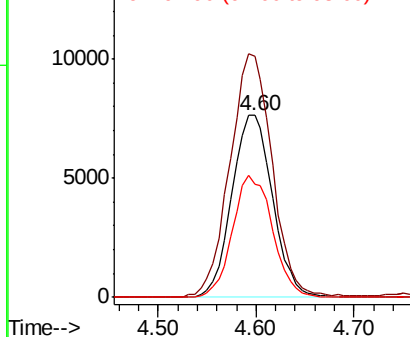
Tot Ion:	96	Resp:	22069
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	285.6
98	65.4	0.0	131.0

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



#28

Bromochloromethane

Concen: 16.67 ug/l

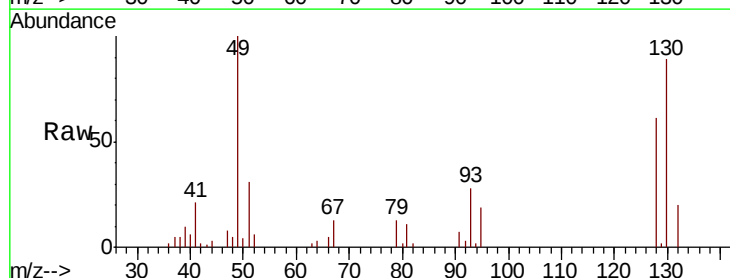
RT: 5.03 min Scan# 728

Delta R.T. 0.01 min

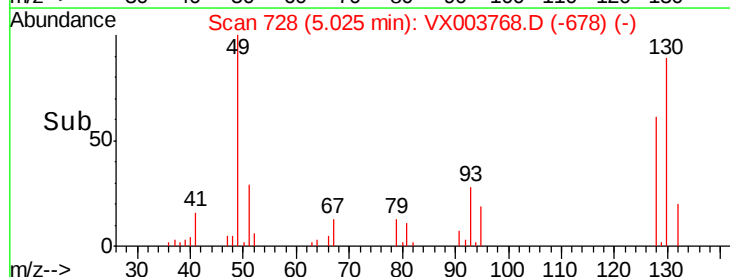
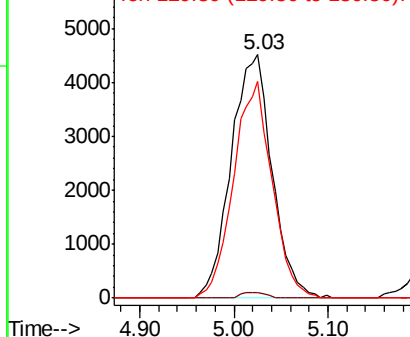
Lab File: VX003768.D

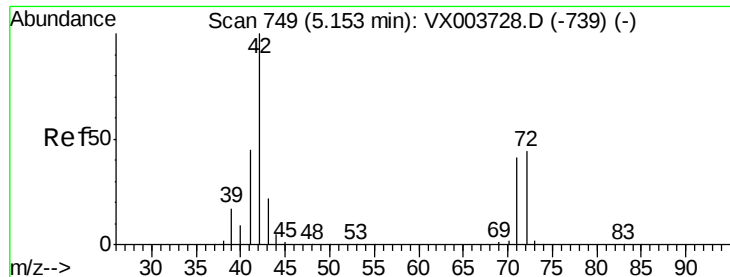
Acq: 01 Aug 2018 00:33

Tgt Ion:	49	Resp:	13619
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	83.6	68.9	103.3



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





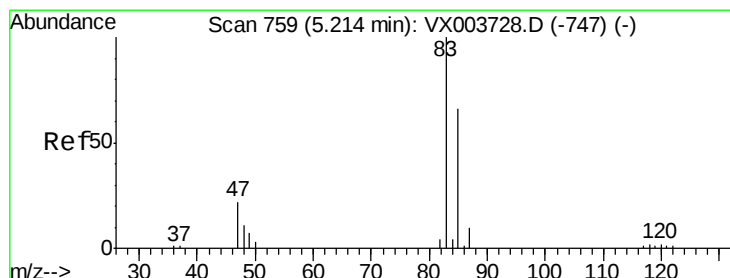
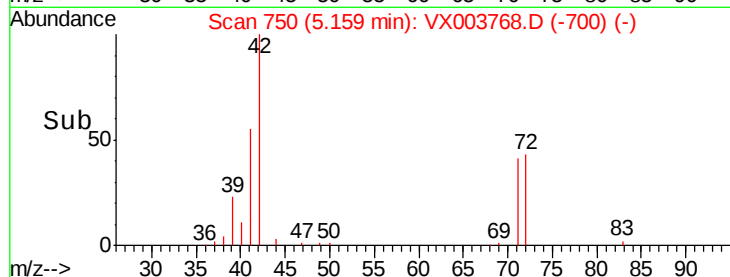
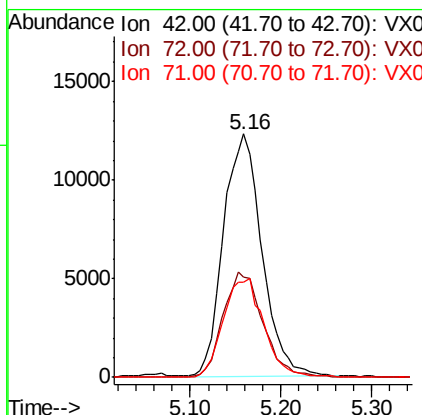
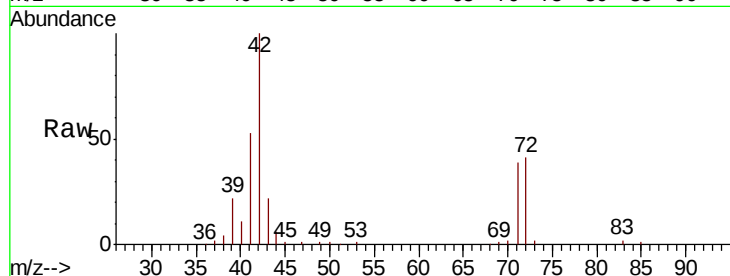
#29
Tetrahydrofuran
Concen: 92.63 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.6	53.4
71	42.7	33.4	50.0

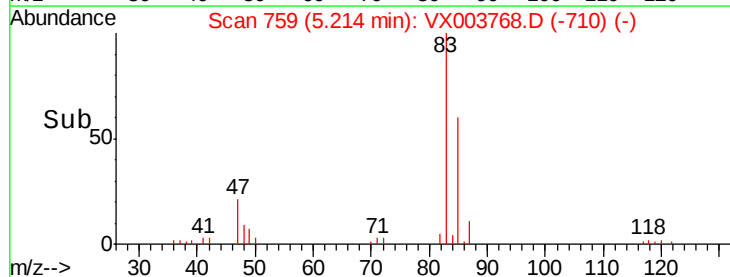
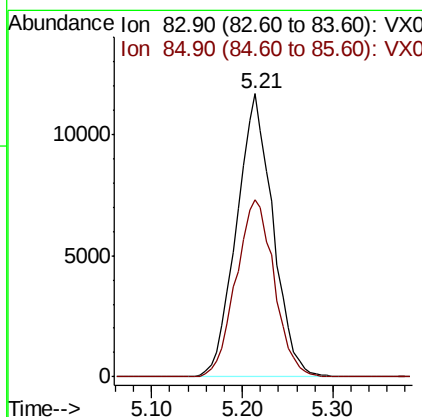
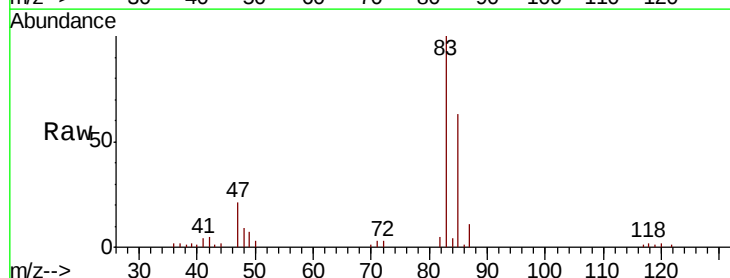
Manual Integrations
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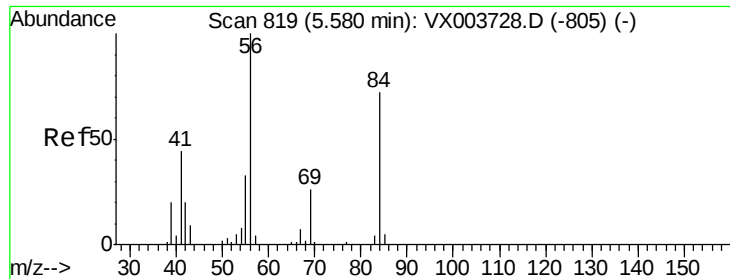
apatel
8/1/2018 6:54:40 PM



#30
Chloroform
Concen: 18.12 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.8	79.2





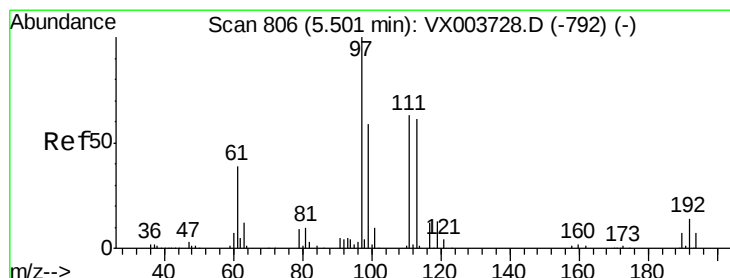
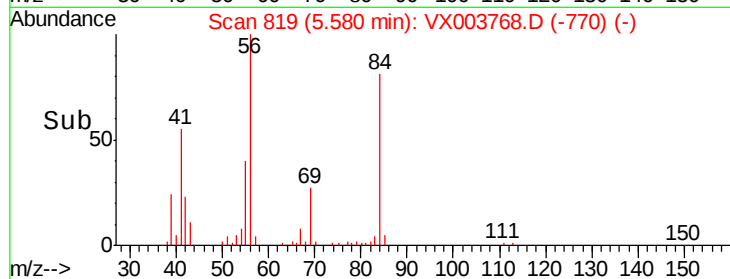
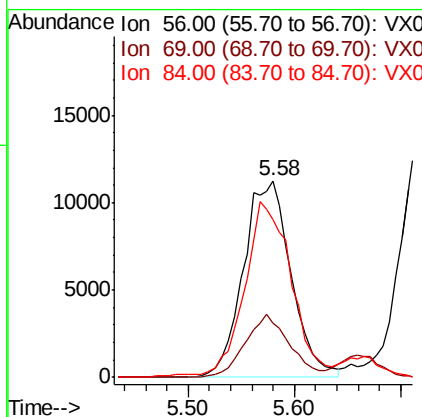
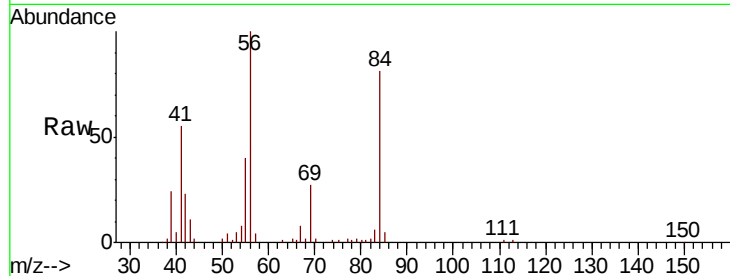
#31
Cyclohexane
Concen: 19.99 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.4	20.6	30.8
84	79.1	57.9	86.9

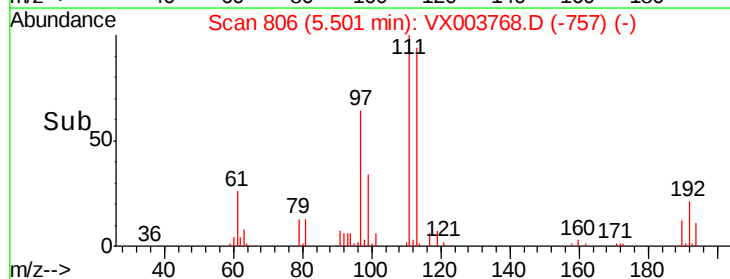
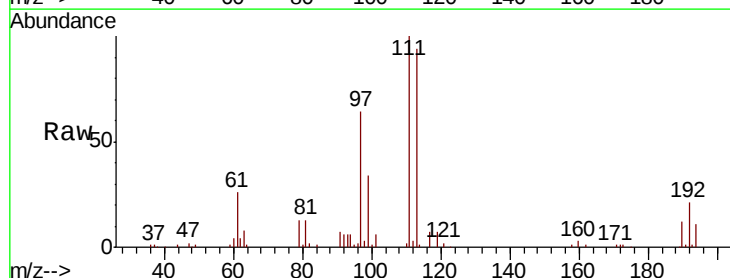
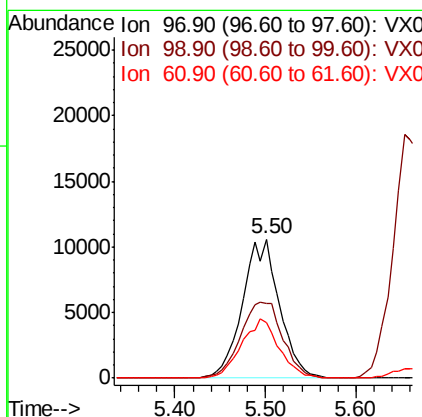
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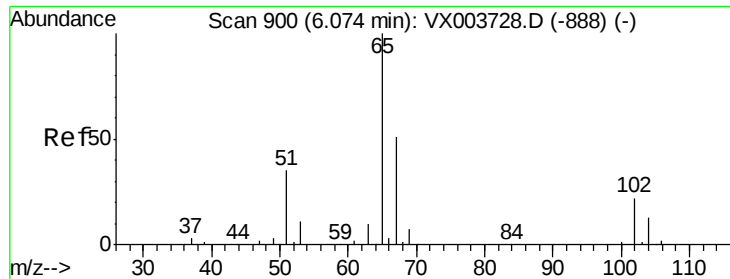
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#32
1,1,1-Trichloroethane
Concen: 19.42 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.4	77.2
61	43.1	33.4	50.2





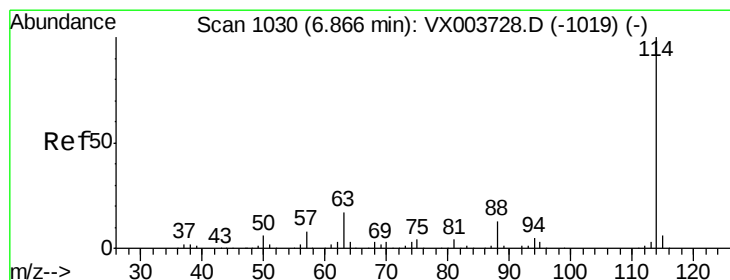
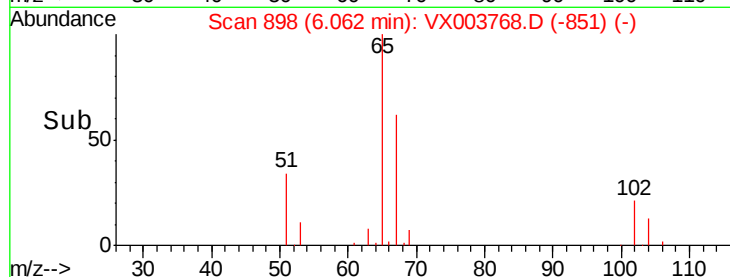
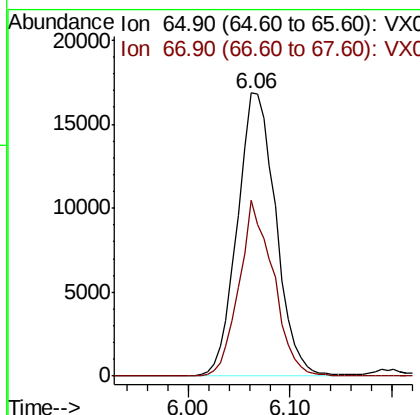
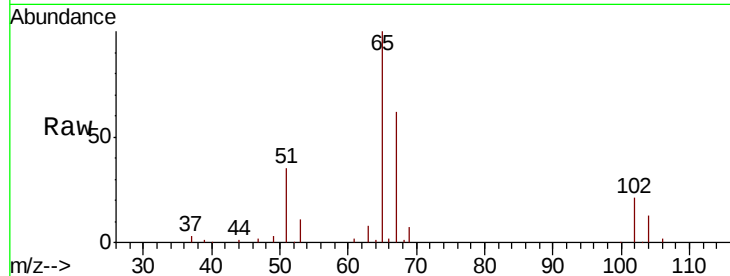
#33
 1,2-Dichloroethane-d4
 Concen: 40.08 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	107.0

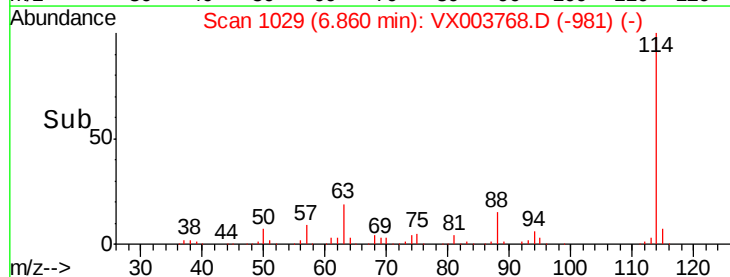
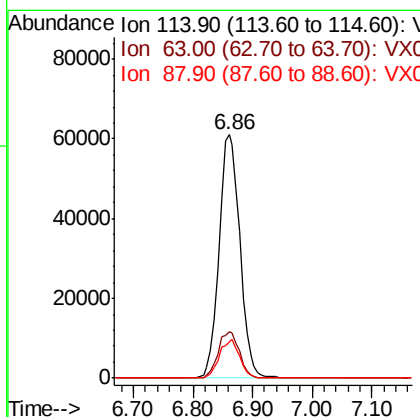
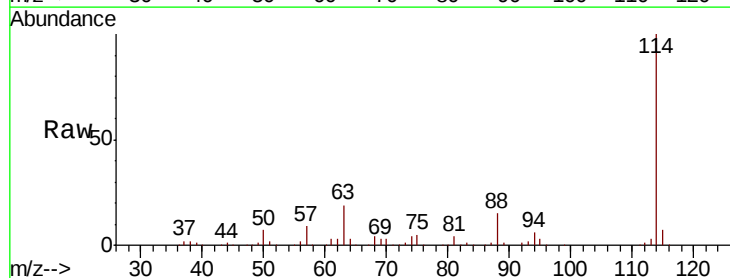
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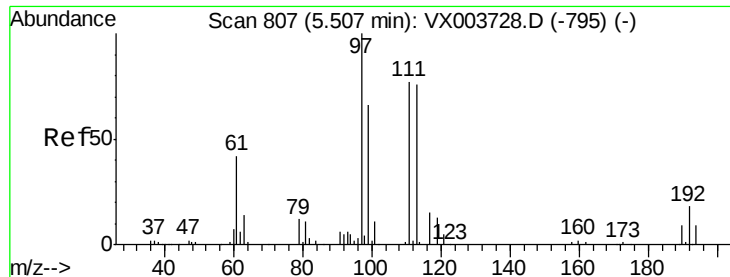
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	34.0
88	15.1	0.0	26.4





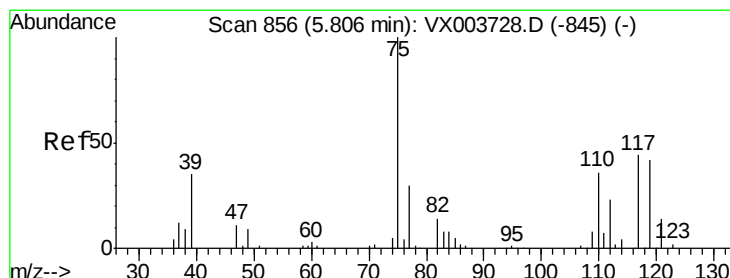
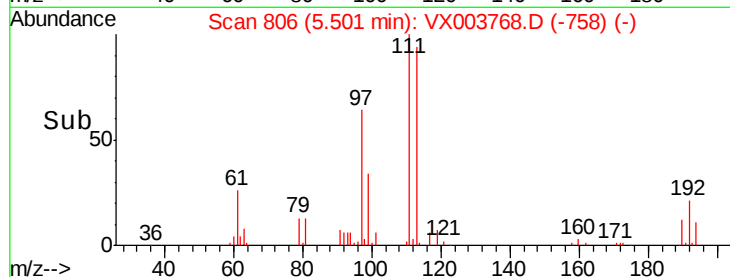
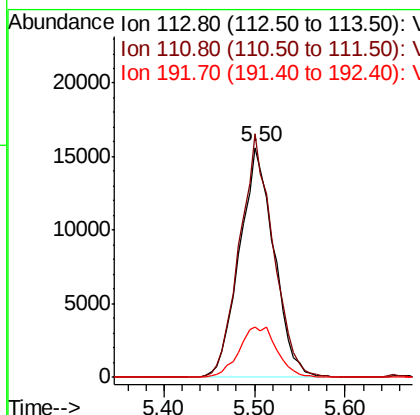
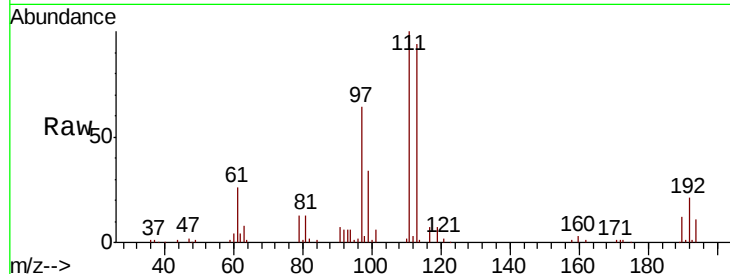
#35
 Dibromofluoromethane
 Concen: 47.35 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	24.0	18.8	28.2

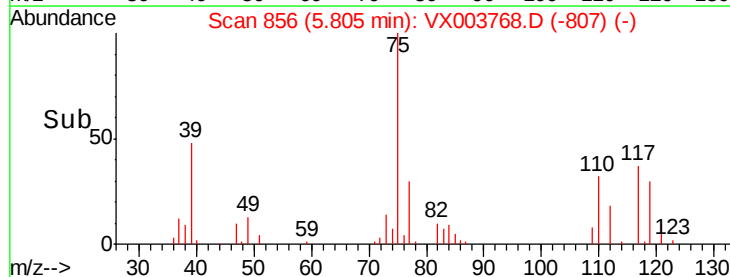
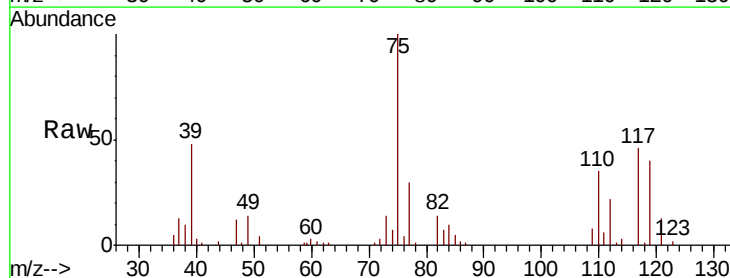
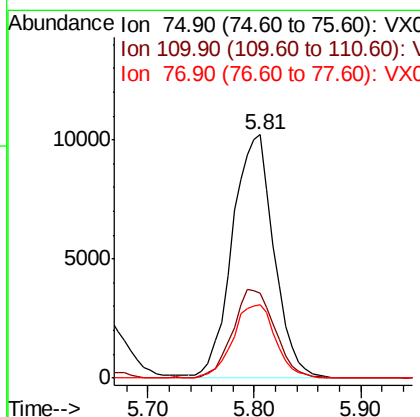
Manual Integrations
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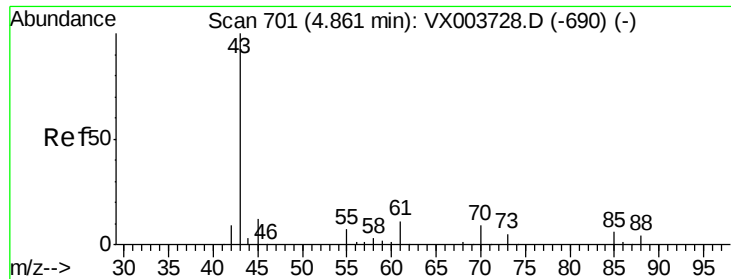
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#36
 1,1-Dichloropropene
 Concen: 20.18 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.8
77	30.7	25.1	37.7





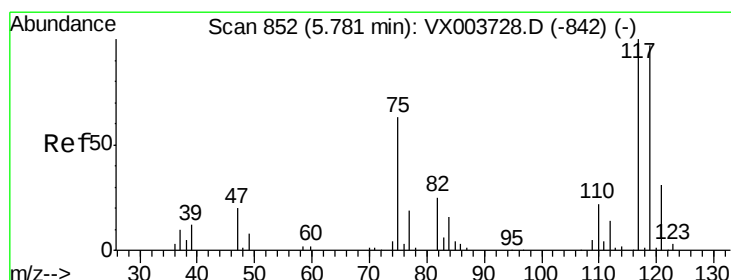
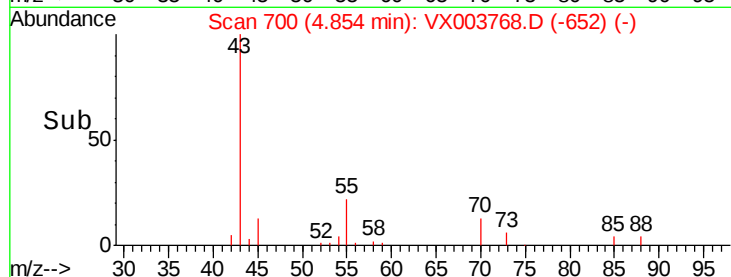
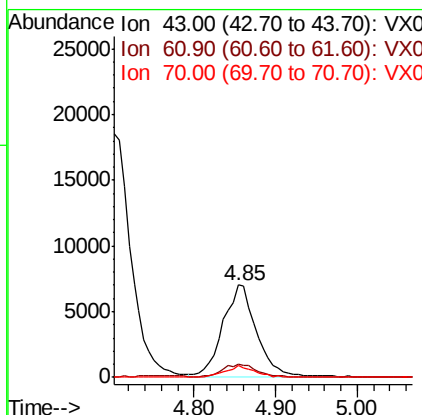
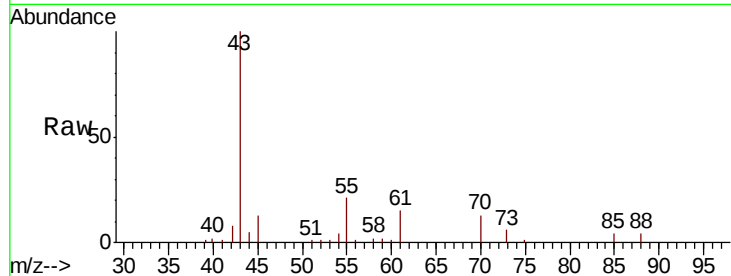
#37
Ethyl Acetate
Concen: 19.11 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleID :
VX0731SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.0
70	10.9	8.2	12.2

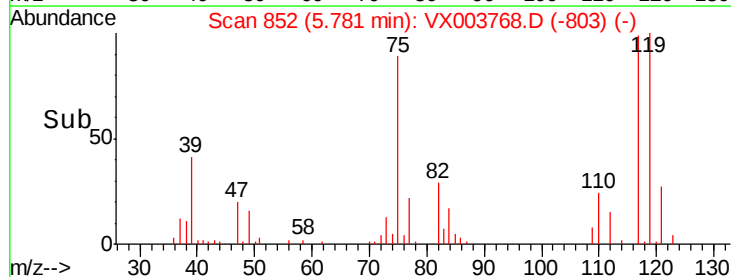
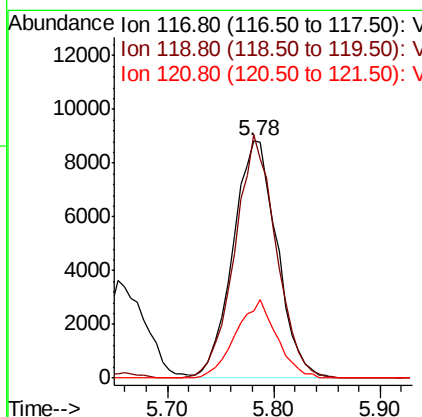
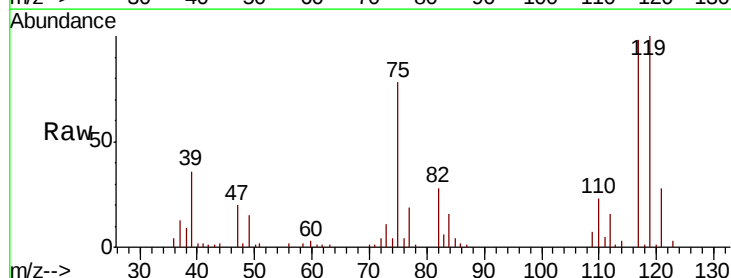
Manual Integrations
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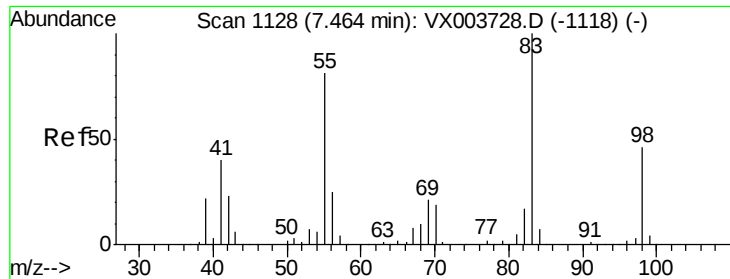
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#38
Carbon Tetrachloride
Concen: 20.00 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.4	77.2	115.8
121	28.4	25.0	37.4





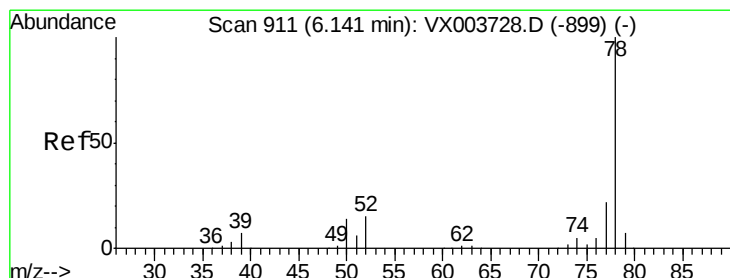
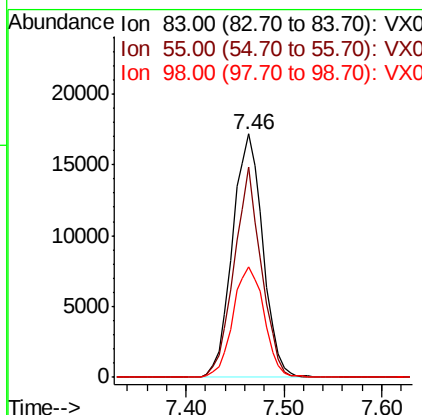
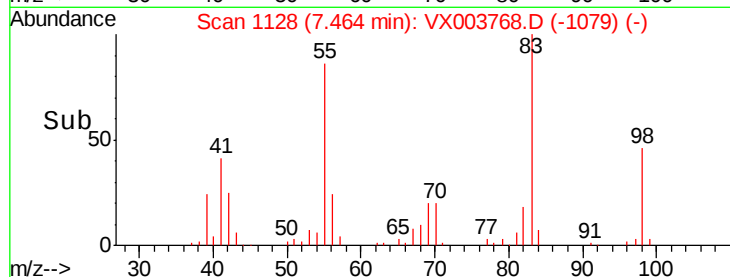
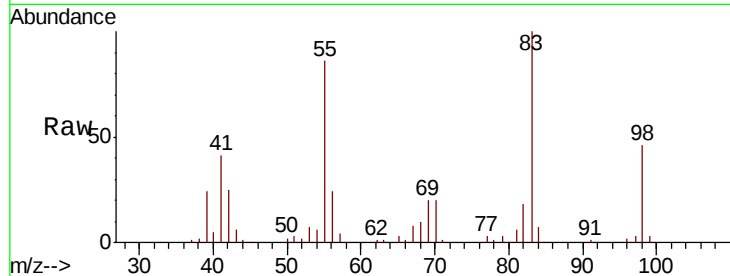
#39
Methvlcvclohexane
Concen: 21.69 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	65.0	97.6
98	45.5	37.1	55.7

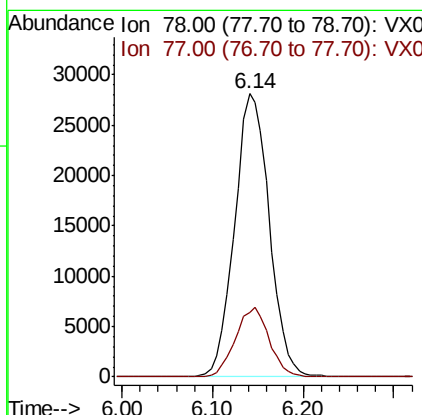
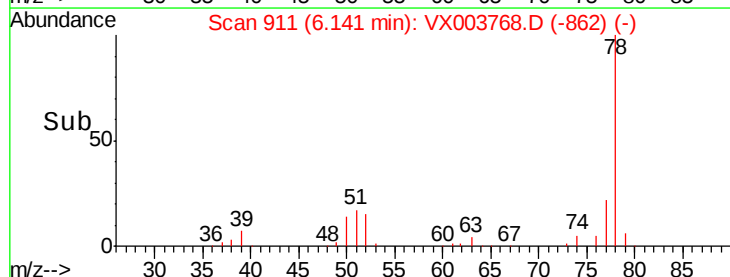
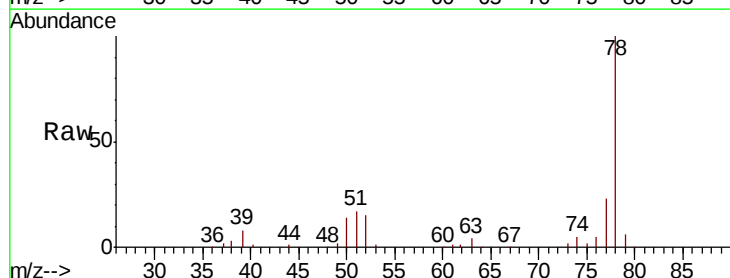
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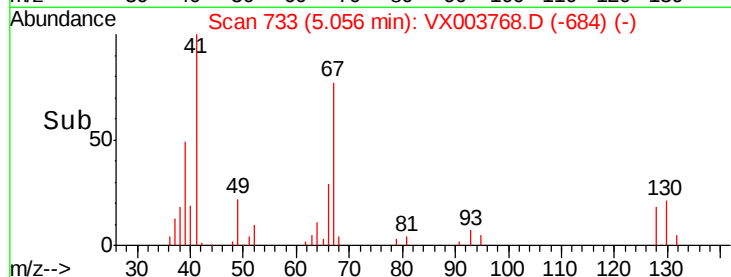
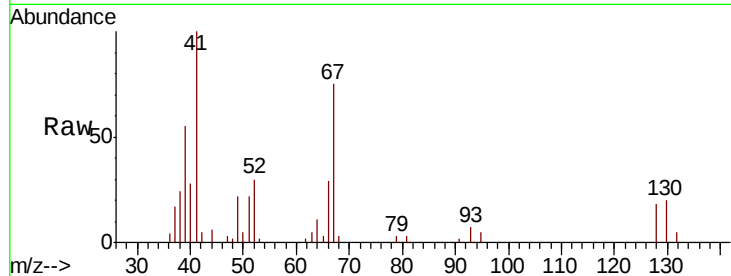
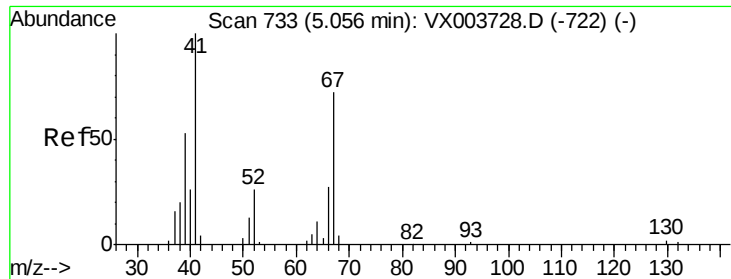
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#40
Benzene
Concen: 18.77 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.9	26.9





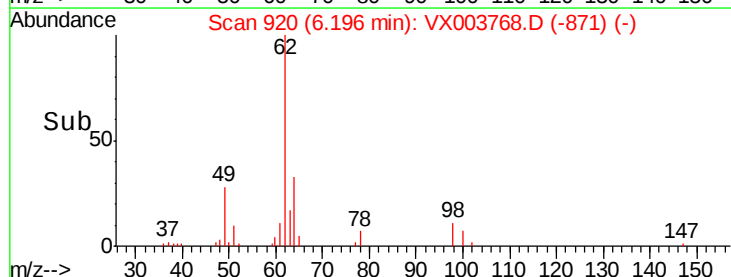
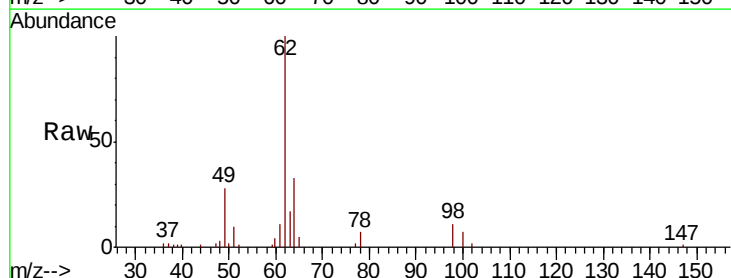
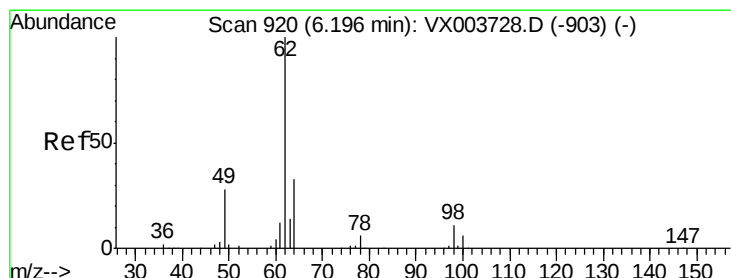
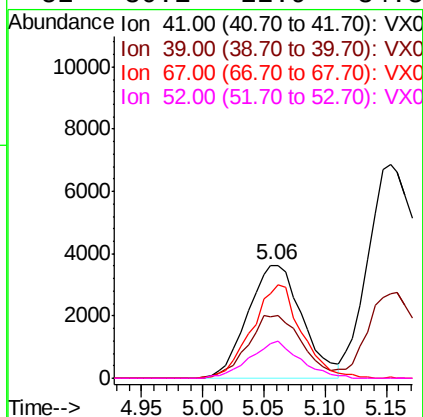
#41
Methacrylonitrile
Concen: 18.85 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tot Ion:	41	Resp:	11319
Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.6	64.0
67	74.7	58.9	88.3
52	30.1	22.9	34.3

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

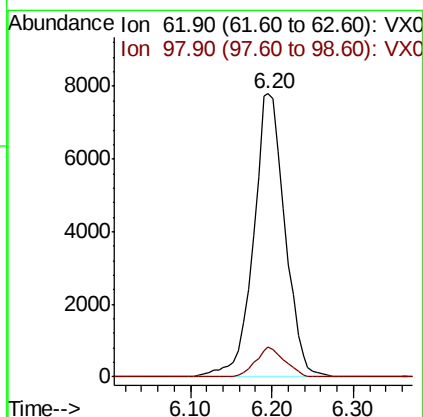
Manual Integrations
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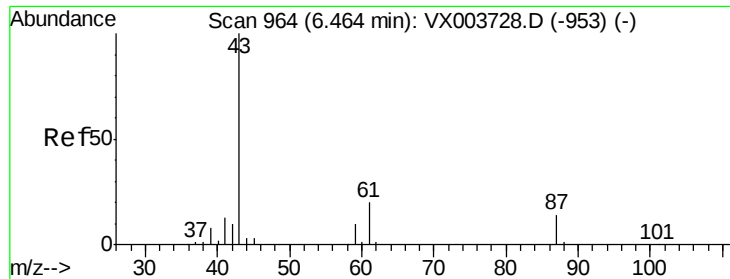
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#42
1,2-Dichloroethane
Concen: 17.48 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion:	62	Resp:	20984
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.4





#43

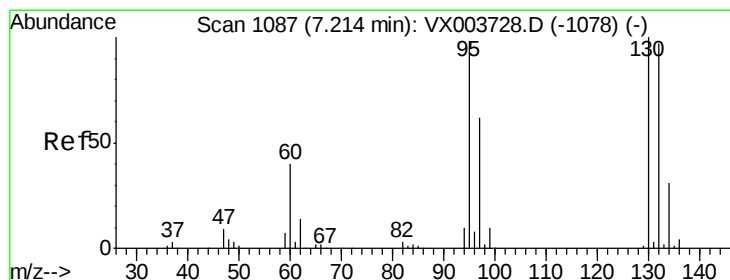
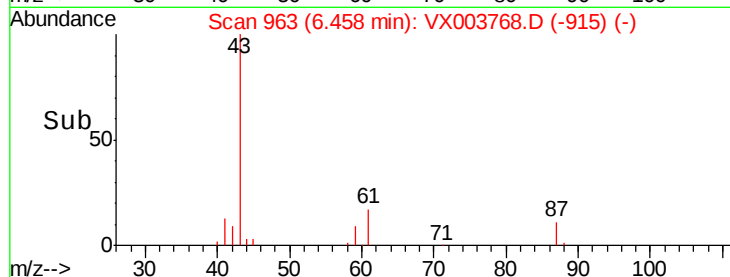
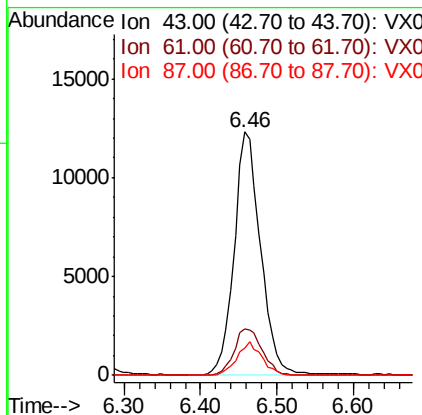
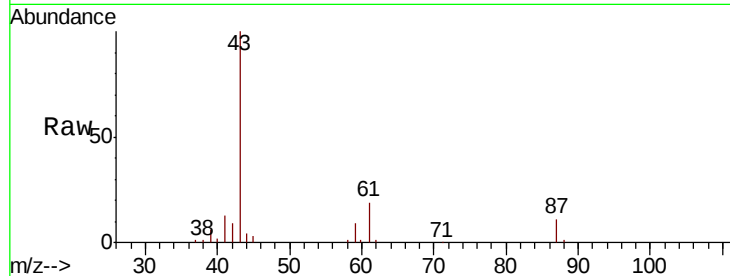
Isopropyl Acetate
 Concen: 17.40 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.5	24.7
87	12.7	10.7	16.1

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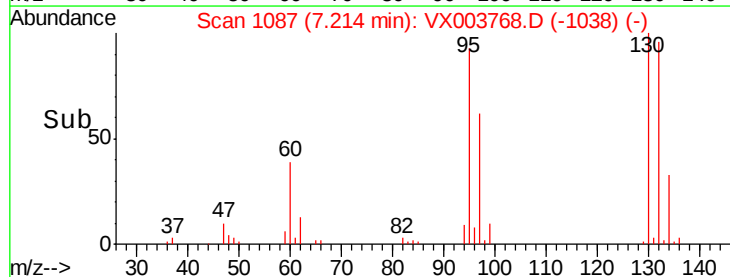
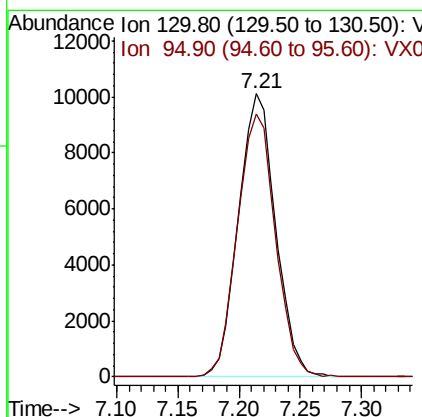
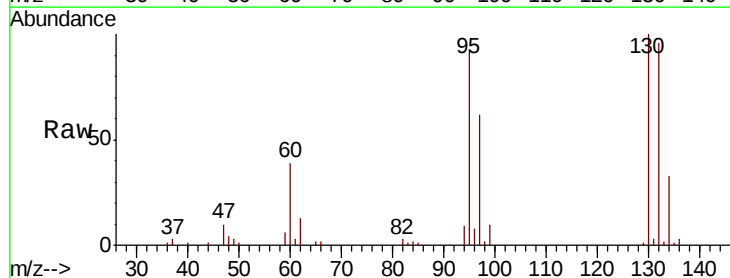
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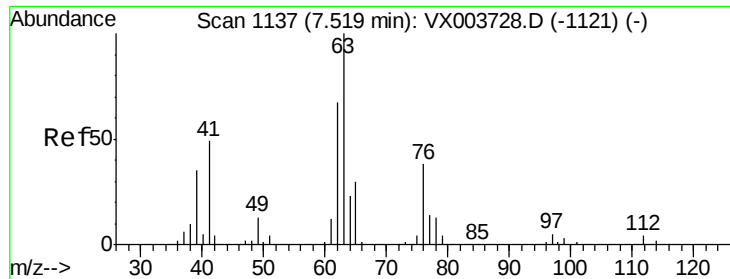


#44

Trichloroethene
 Concen: 18.87 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	196.2





#45

1,2-Dichloropropane

Concen: 19.19 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 63 Resp: 18755

Ion Ratio Lower Upper

63 100

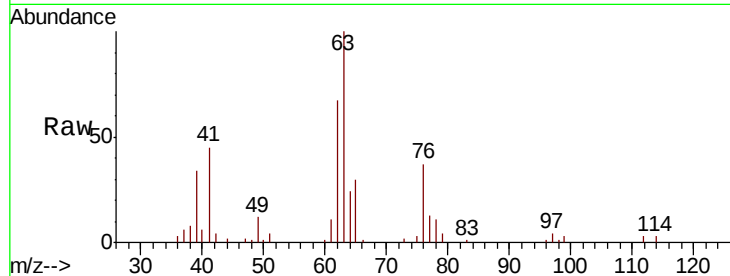
65 30.2 23.7 35.5

Manual Integrations

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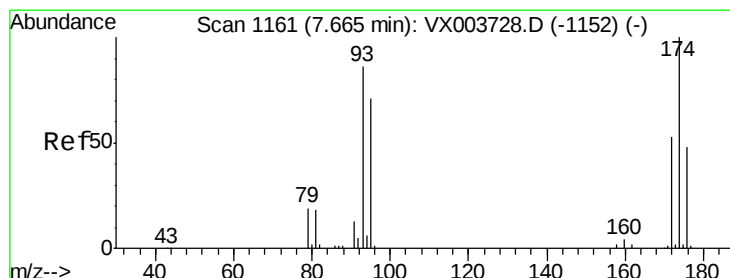
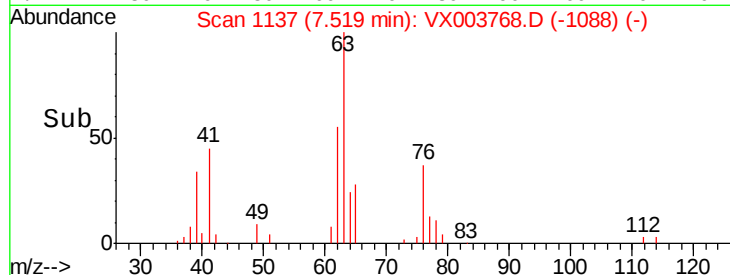
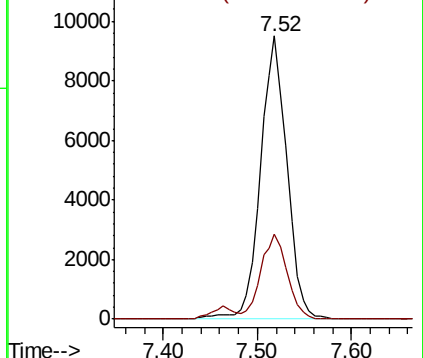
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 16.43 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

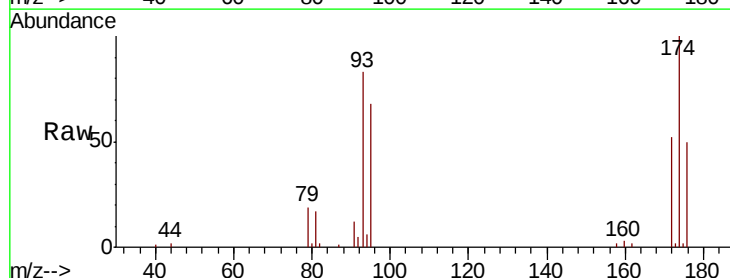
Tgt Ion: 93 Resp: 9256

Ion Ratio Lower Upper

93 100

95 85.0 68.1 102.1

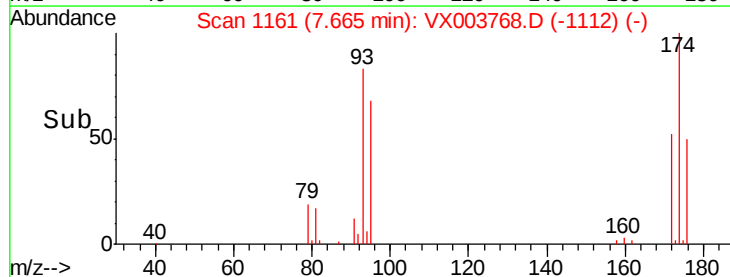
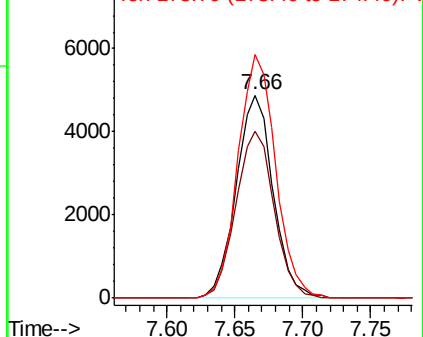
174 122.6 96.2 144.4

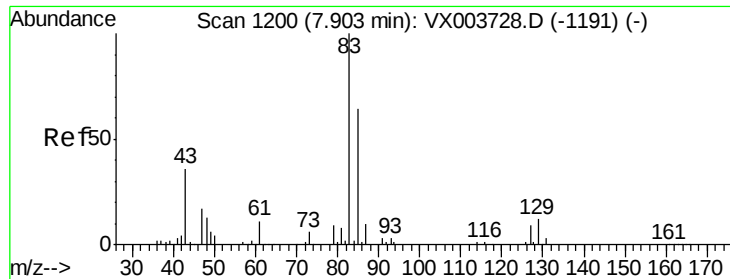


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.49 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

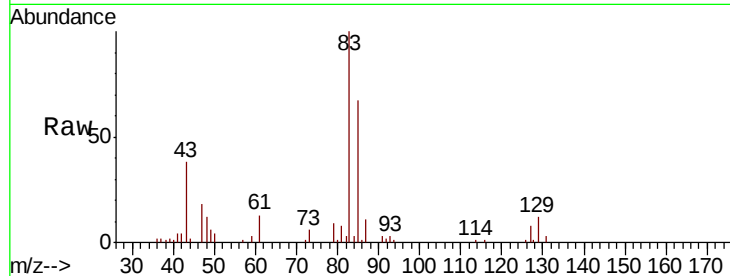
ClientSampleId :

VX0731SBS02

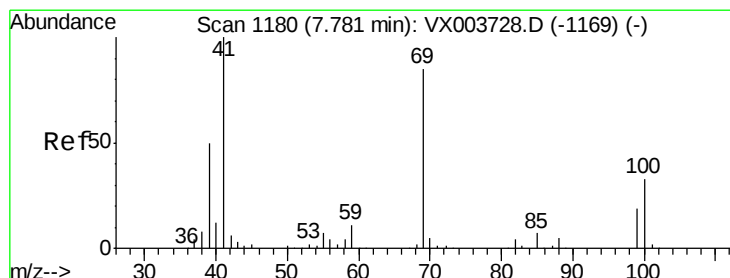
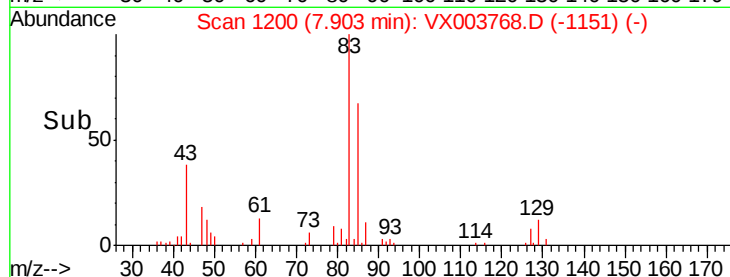
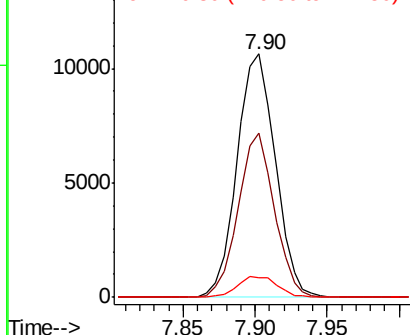
Tot Ion:	83	Resp:	19639
Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.1	76.7
127	8.1	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.70 ug/l

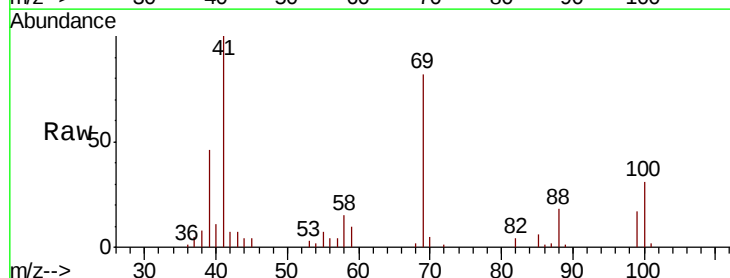
RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

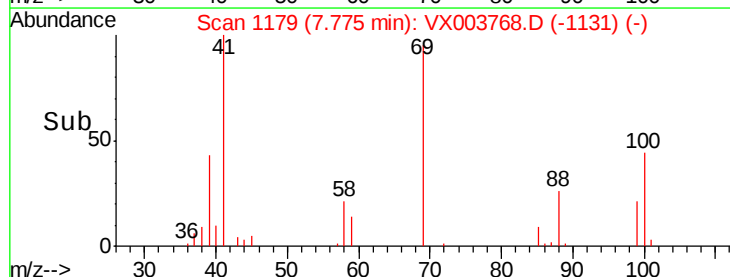
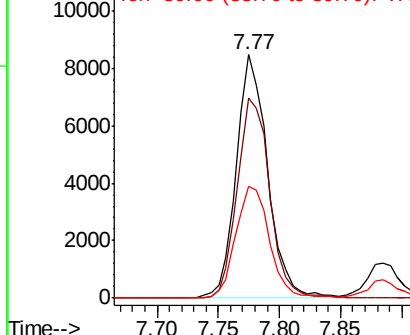
Lab File: VX003768.D

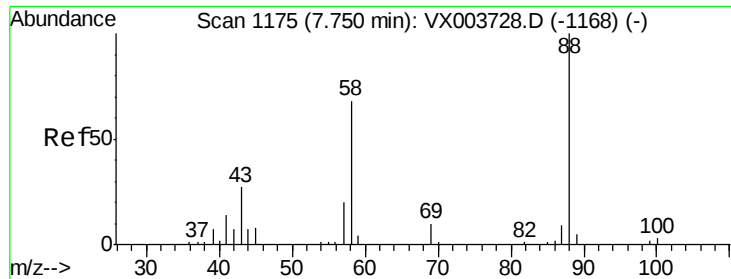
Acq: 01 Aug 2018 00:33

Tgt Ion:	41	Resp:	15075
Ion	Ratio	Lower	Upper
41	100		
69	85.2	68.7	103.1
39	49.3	40.8	61.2



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





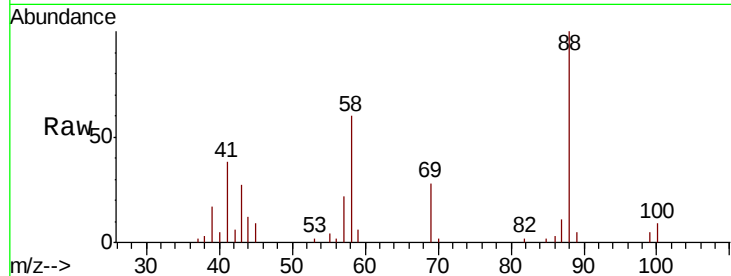
#49
1,4-Dioxane
Concen: 440.32 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

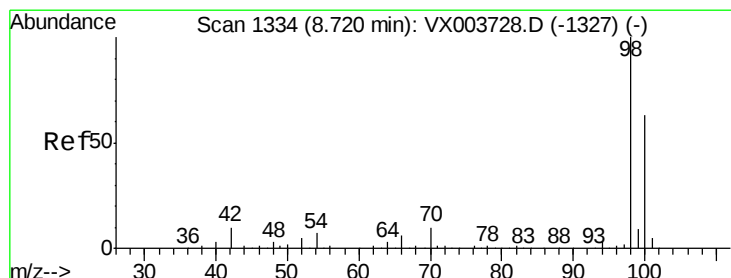
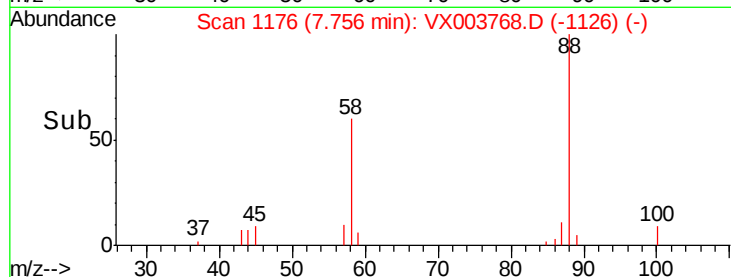
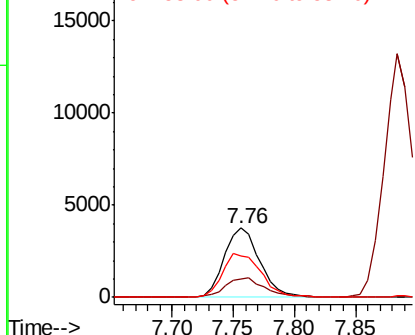
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.0	39.0
58	68.9	57.1	85.7

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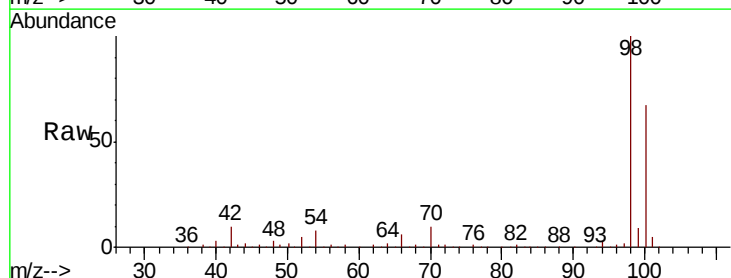


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

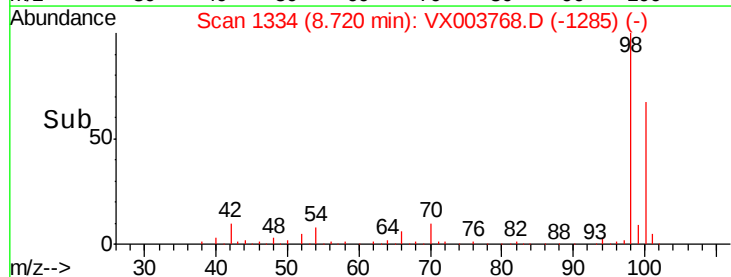
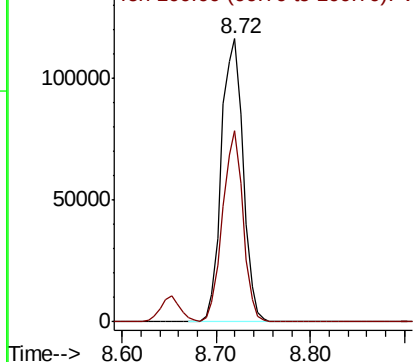


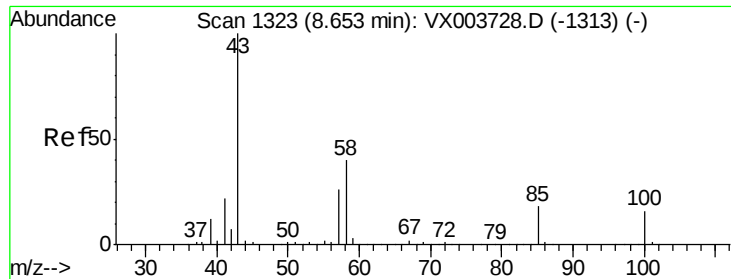
#50
Toluene-d8
Concen: 51.18 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 90.44 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 43 Resp: 94361

Ion Ratio Lower Upper

43 100

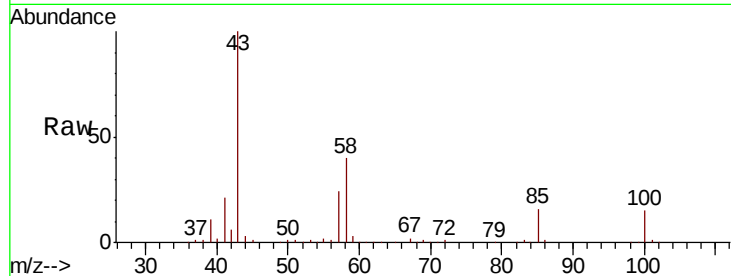
58 40.3 32.1 48.1

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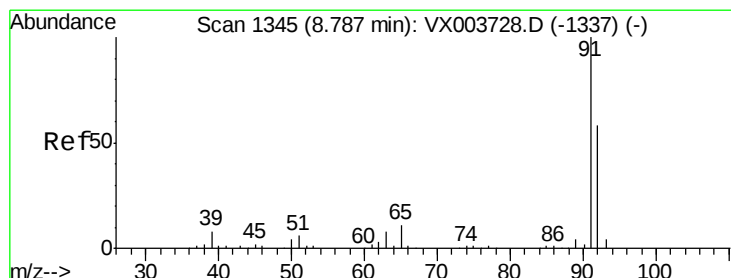
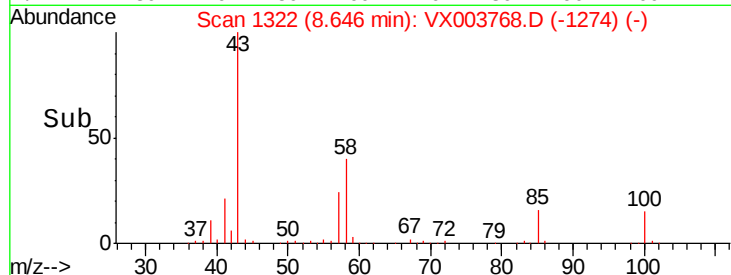
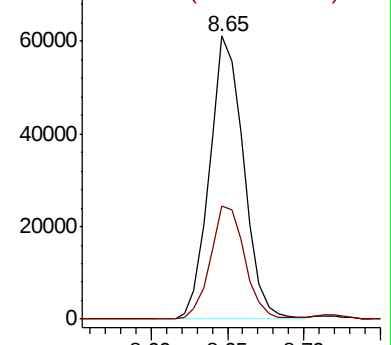
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.08 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003768.D

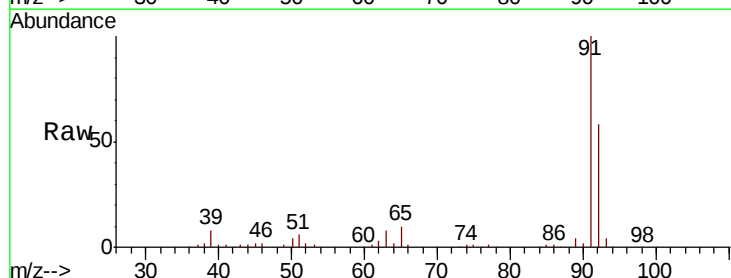
Acq: 01 Aug 2018 00:33

Tgt Ion: 92 Resp: 47311

Ion Ratio Lower Upper

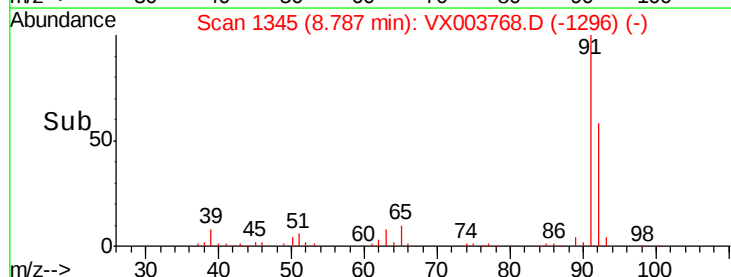
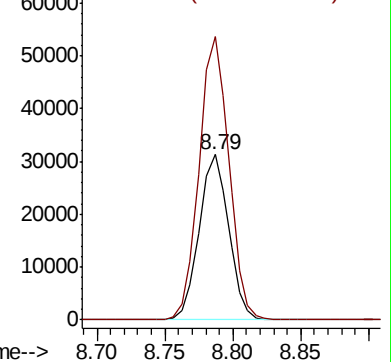
92 100

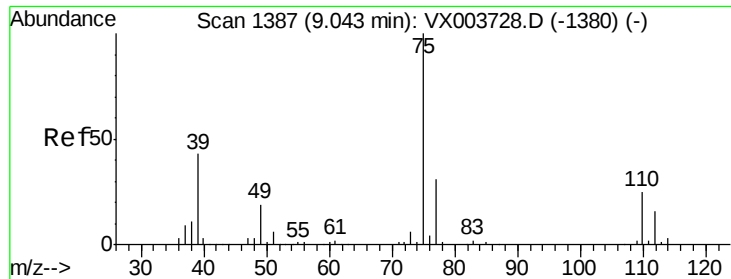
91 173.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





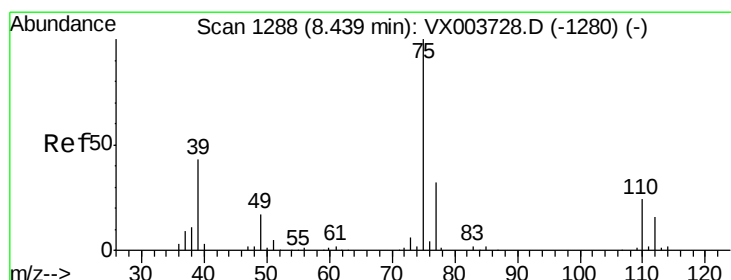
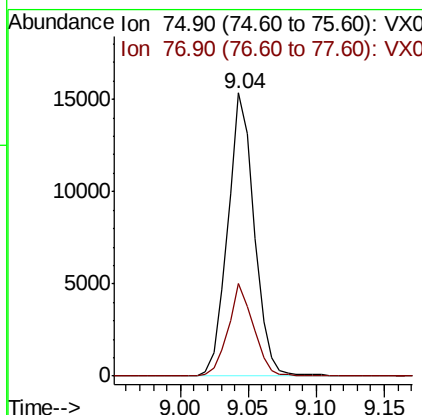
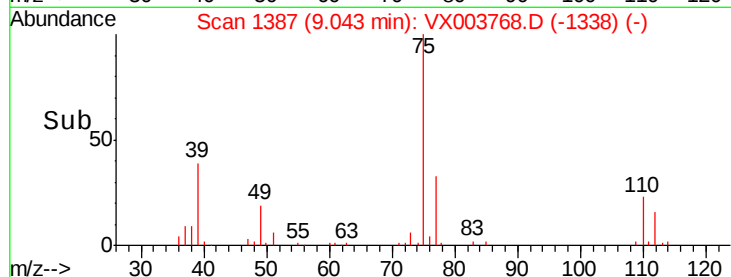
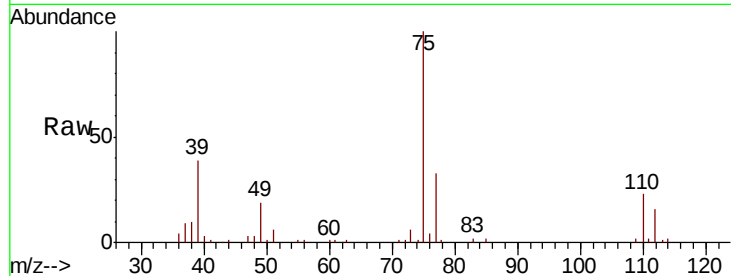
#53
t-1,3-Dichloropropene
Concen: 16.18 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion: 75 Resp: 20739
Ion Ratio Lower Upper
75 100
77 32.7 24.9 37.3

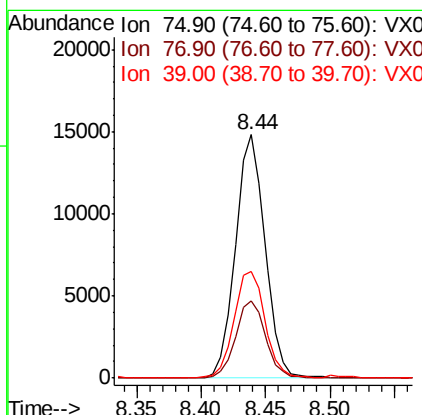
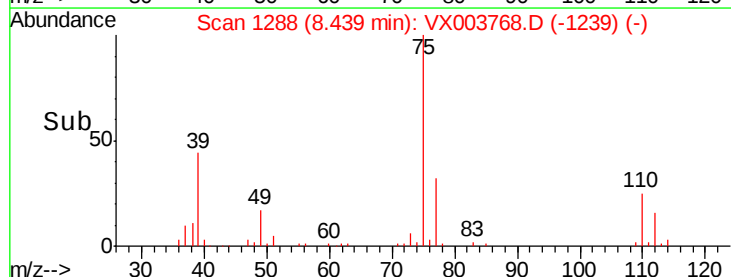
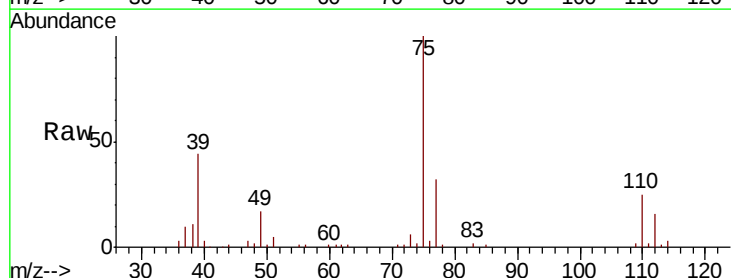
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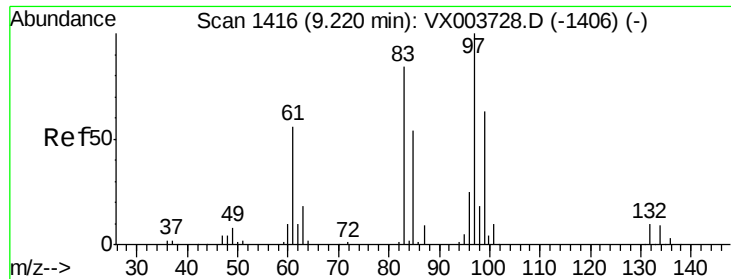
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#54
cis-1,3-Dichloropropene
Concen: 16.50 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion: 75 Resp: 23580
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 43.3 34.1 51.1





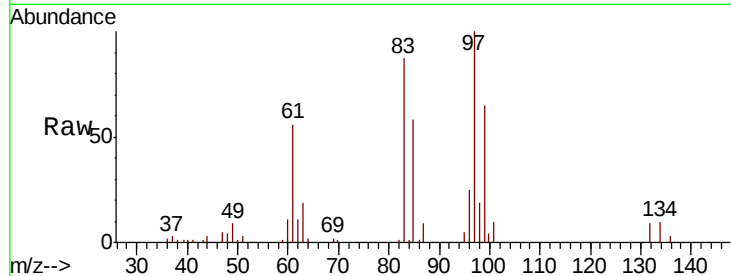
#55
 1,1,2-Trichloroethane
 Concen: 16.95 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

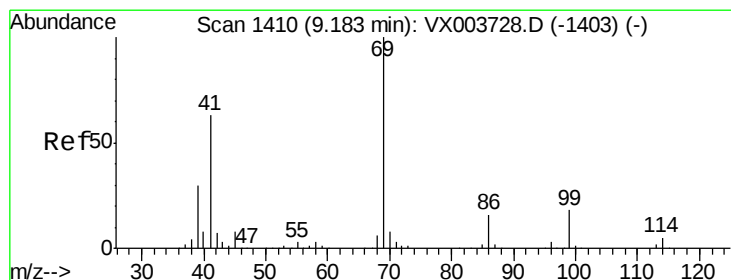
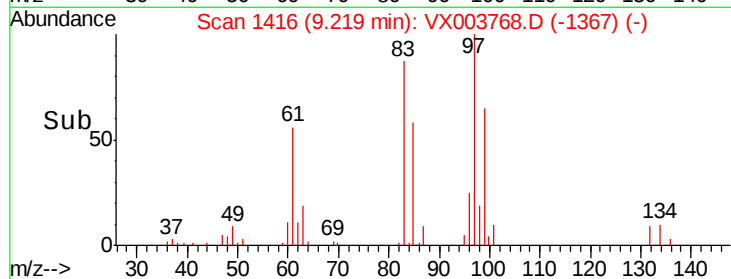
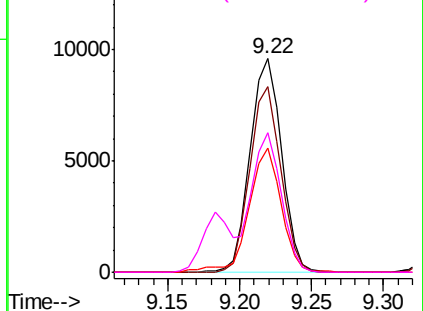
Tot Ion:	97	Resp:	14464
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.4	101.0
85	58.3	43.3	64.9
99	65.2	50.8	76.2

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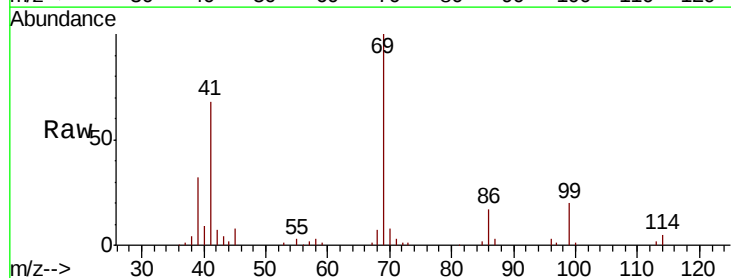


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

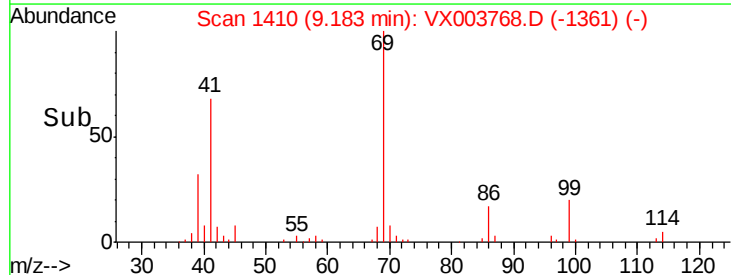
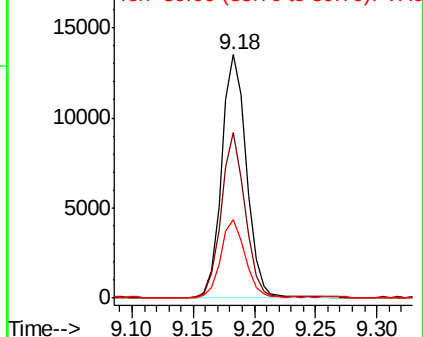


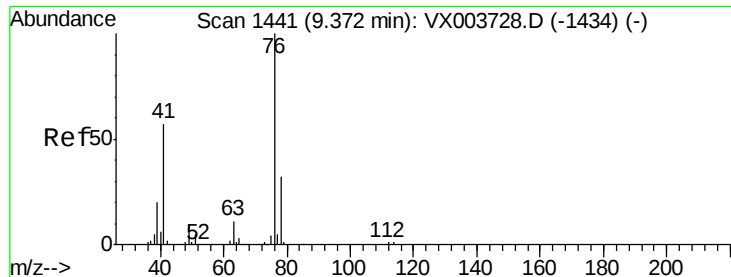
#56
 Ethyl methacrylate
 Concen: 16.33 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion:	69	Resp:	19142
Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.6	77.4
39	31.7	25.1	37.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





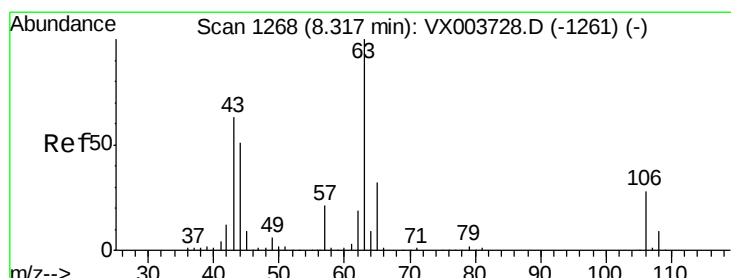
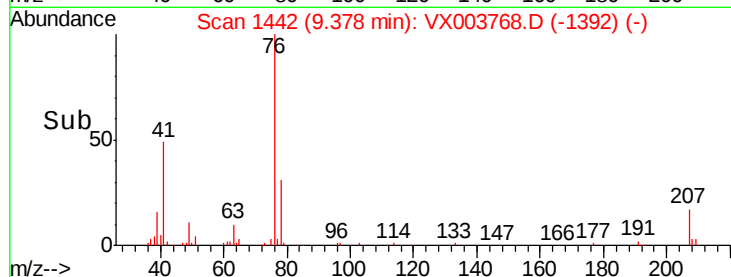
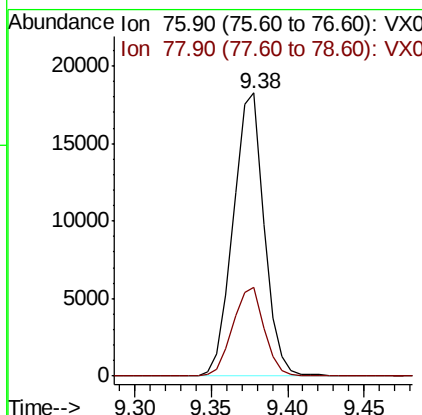
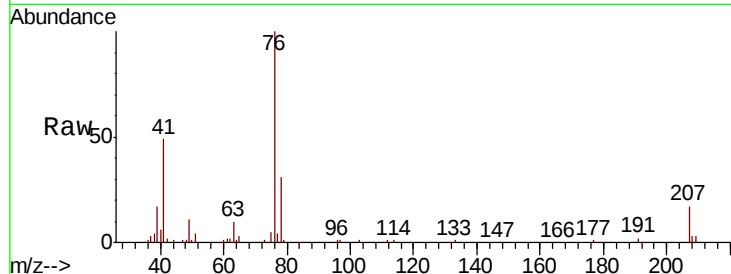
#57
 1,3-Dichloropropane
 Concen: 17.86 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.7	38.5

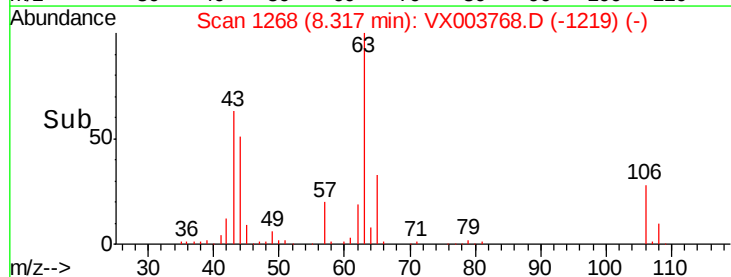
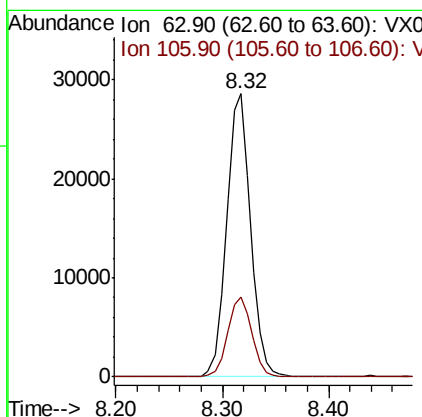
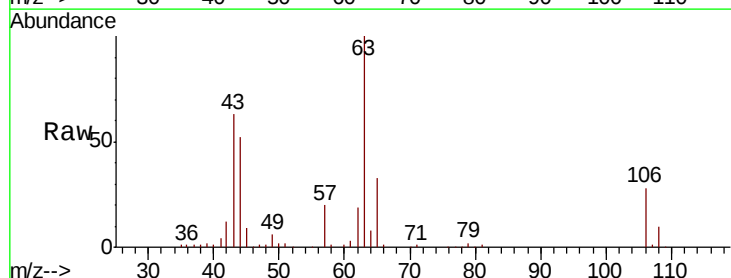
Manual Integrations
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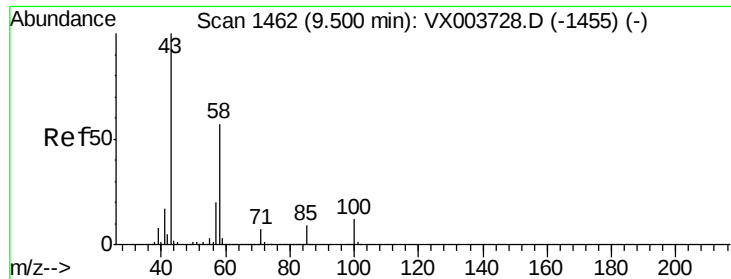
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#58
 2-Chloroethyl Vinyl ether
 Concen: 83.25 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.5	33.7





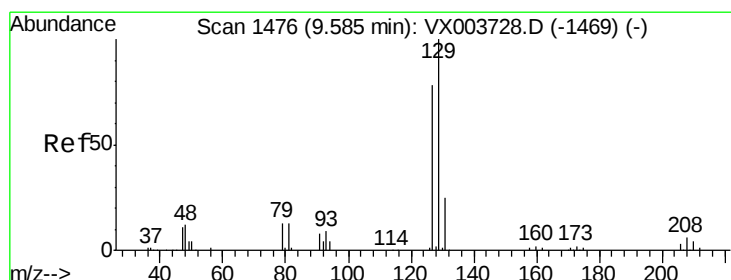
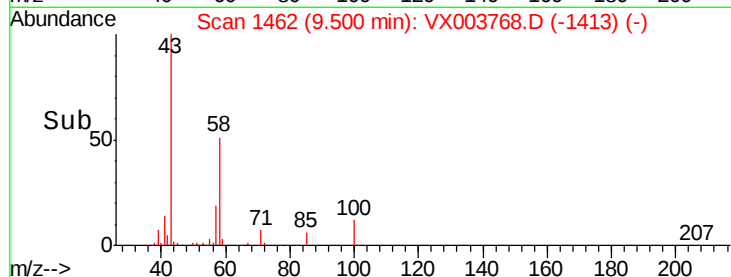
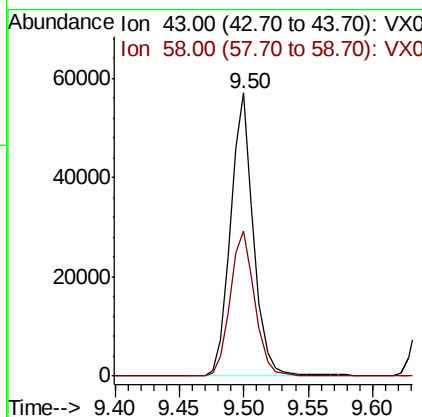
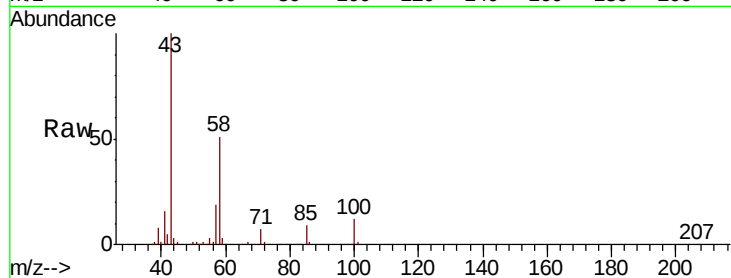
#59
2-Hexanone
Concen: 89.58 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	43	Resp	71205
Ion Ratio	100	Lower	Upper
43	100		
58	55.1	28.0	83.9

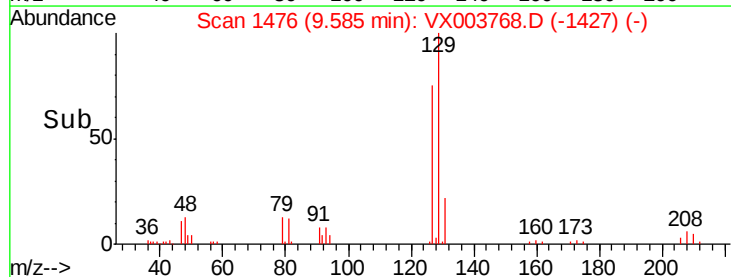
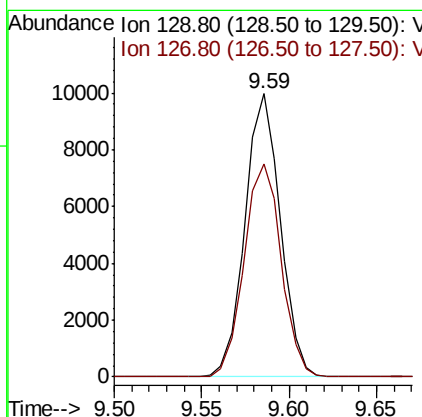
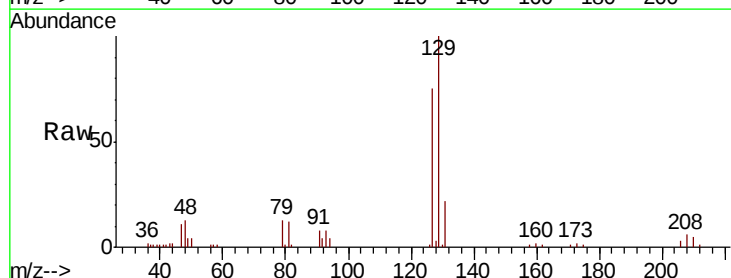
Manual Integrations
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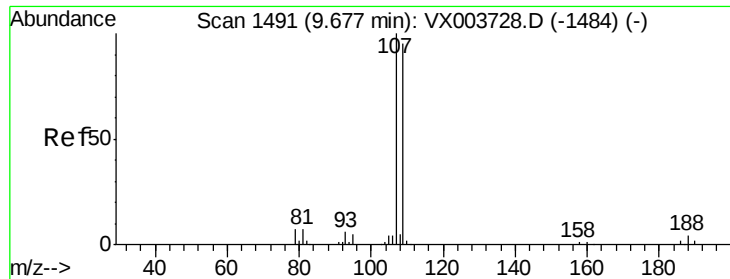
apatel
8/1/2018 6:54:40 PM



#60
Dibromochloromethane
Concen: 16.31 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	129	Resp	14018
Ion Ratio	100	Lower	Upper
129	100		
127	78.7	38.8	116.4





#61

1,2-Dibromoethane

Concen: 17.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion:107 Resp: 15054

Ion Ratio Lower Upper

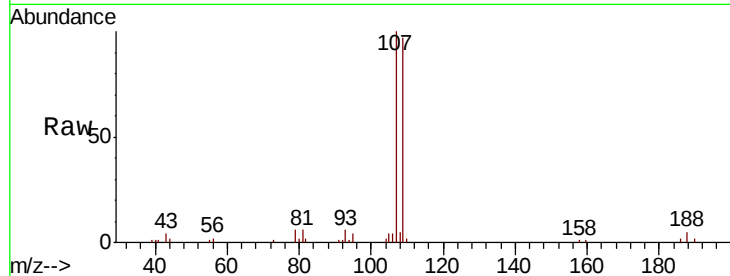
107 100

109 92.7 75.0 112.6

Manual Integrations
APPROVED

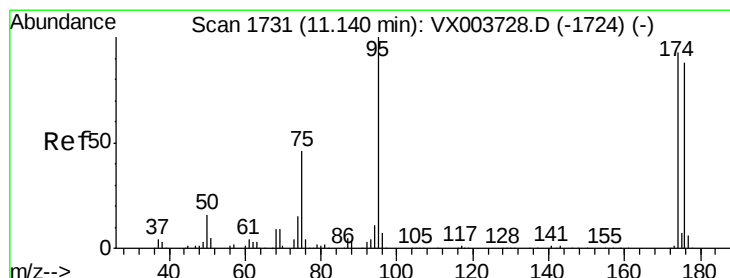
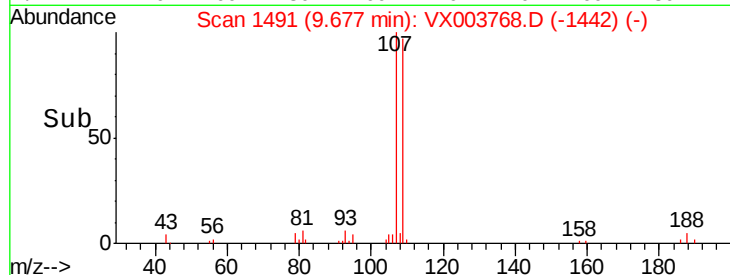
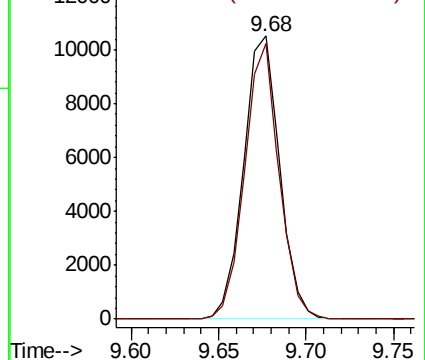
apatel

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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: 44.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

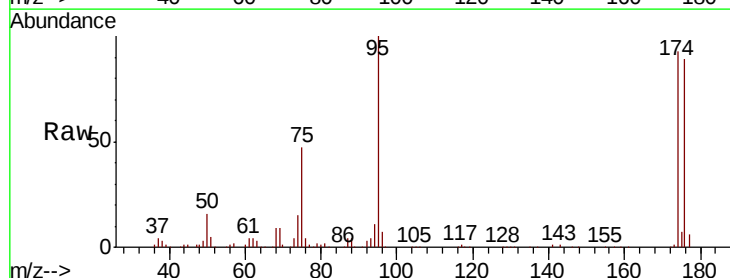
Tgt Ion: 95 Resp: 60302

Ion Ratio Lower Upper

95 100

174 92.3 0.0 186.2

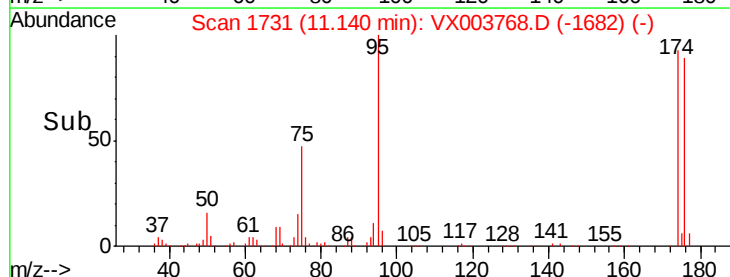
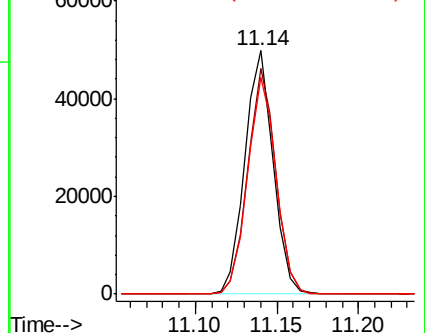
176 90.0 0.0 179.2

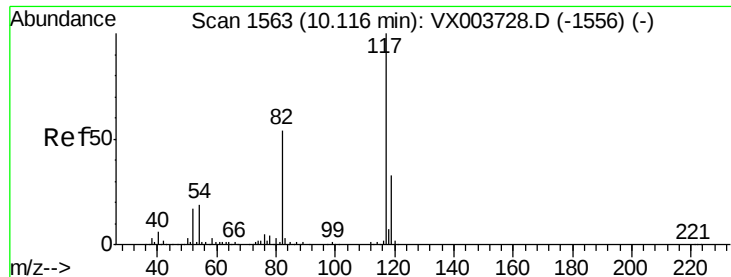


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





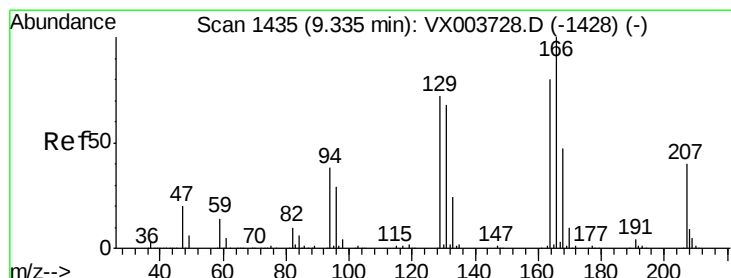
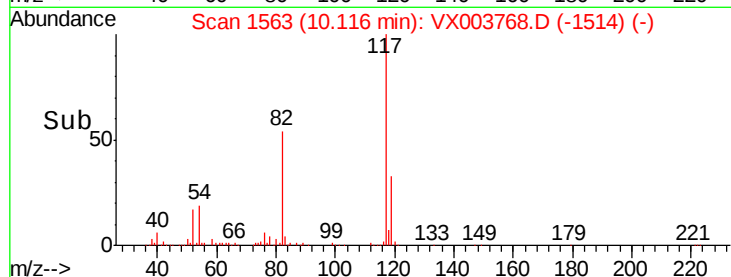
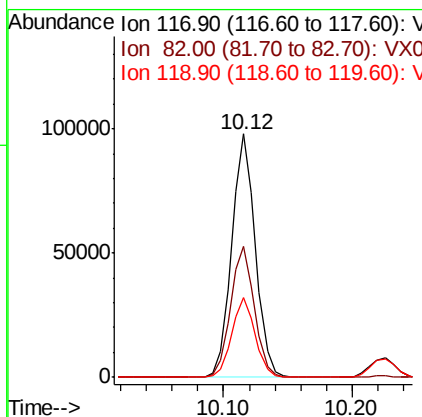
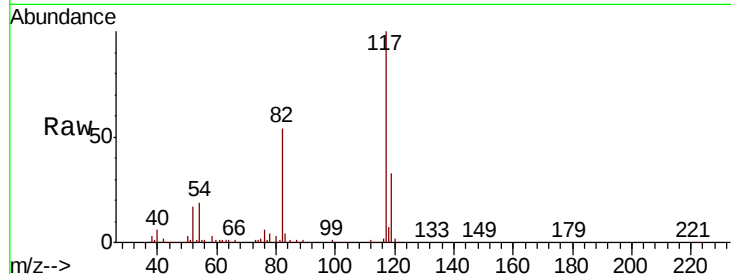
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	125719		
82	53.7	43.2	64.8	
119	32.7	26.3	39.5	

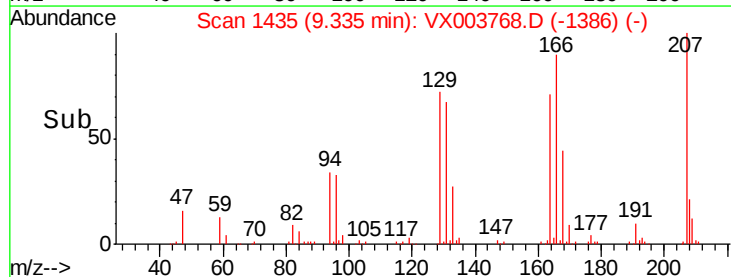
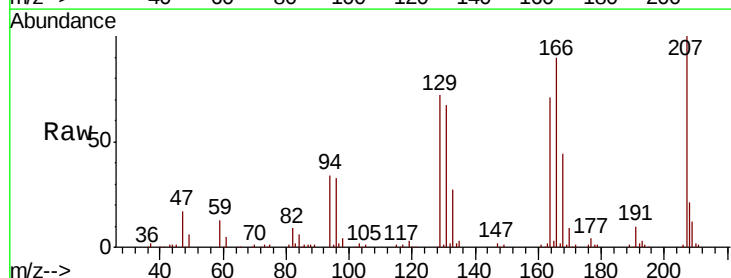
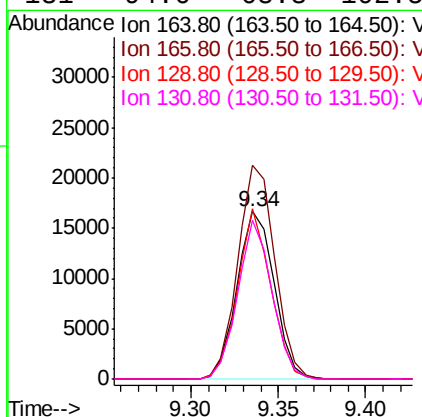
Manual Integrations
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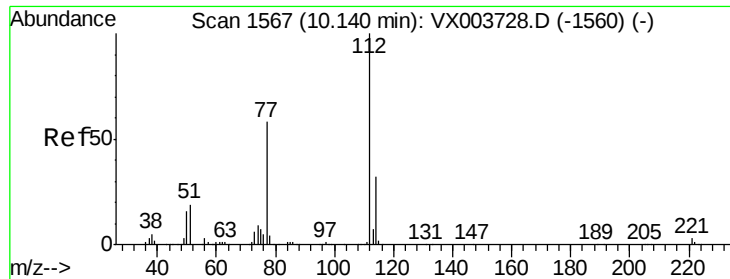
apatel
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#64
Tetrachloroethene
Concen: 24.93 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24634		
166	127.8	100.4	150.6	
129	101.6	71.8	107.8	
131	94.6	68.3	102.5	





#65

Chlorobenzene

Concen: 19.41 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion:112 Resp: 51003

Ion Ratio Lower Upper

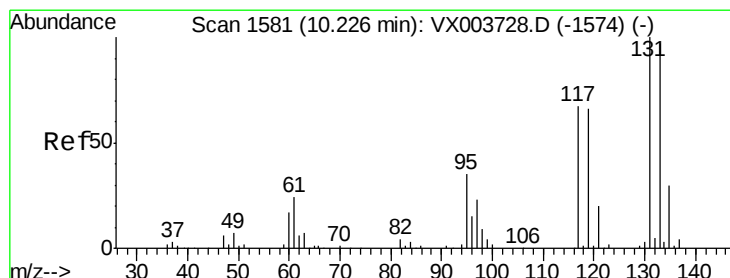
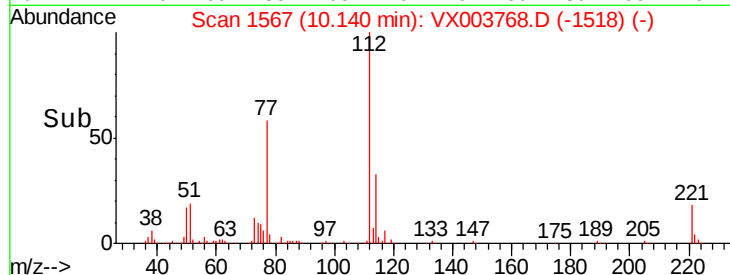
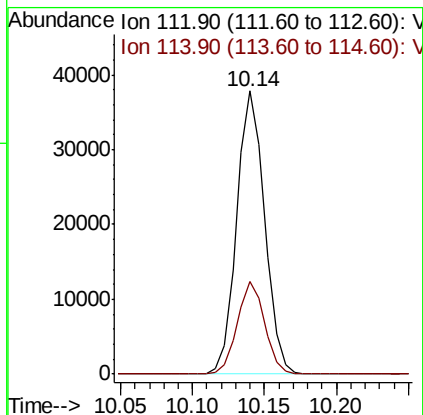
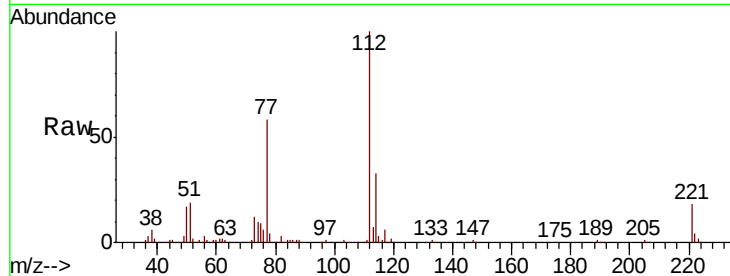
112 100

114 32.7 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.66 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

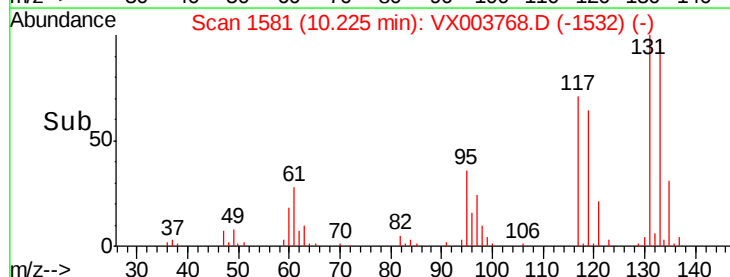
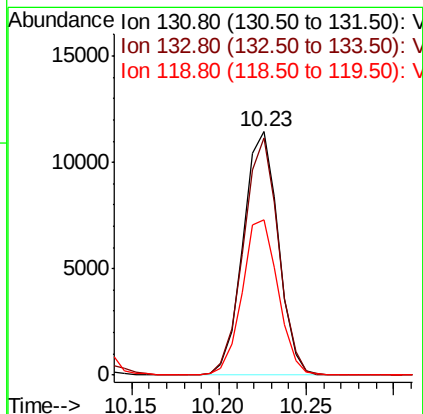
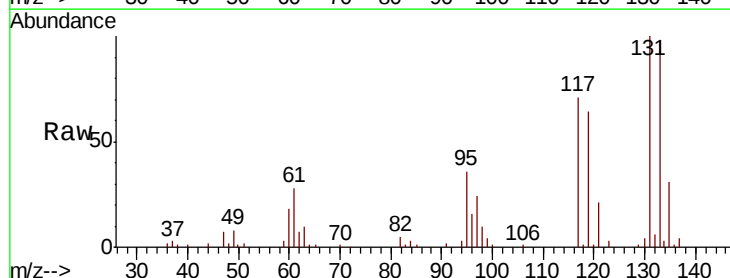
Tgt Ion:131 Resp: 15984

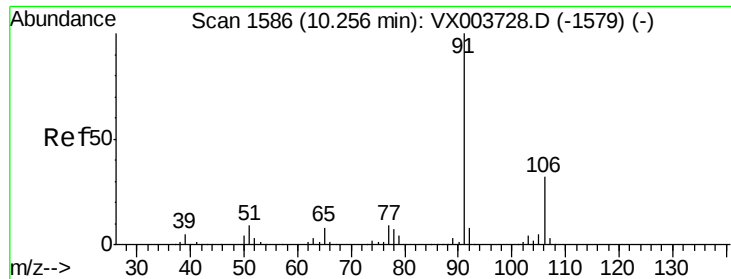
Ion Ratio Lower Upper

131 100

133 97.0 47.6 142.9

119 64.9 32.8 98.3





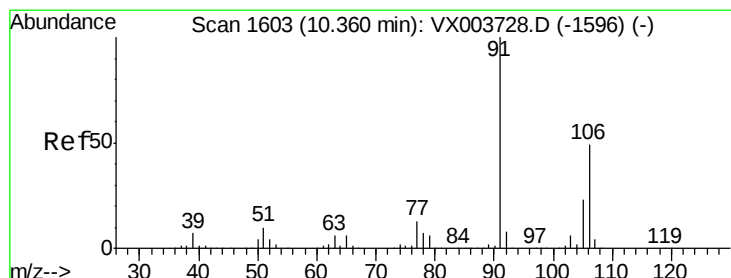
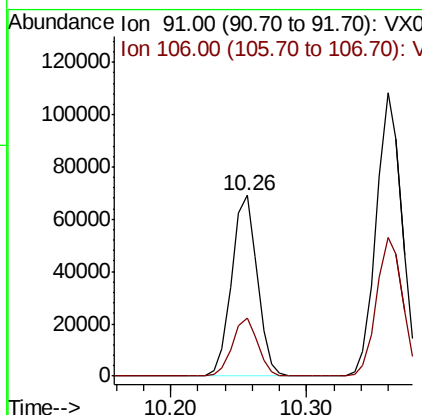
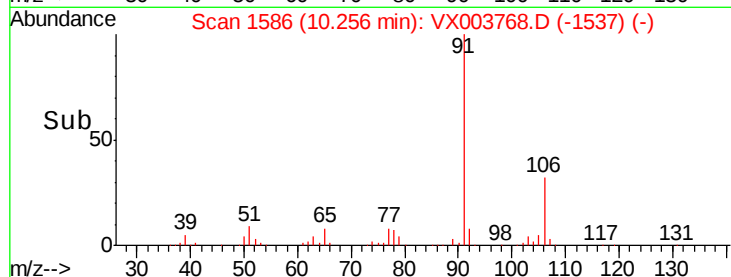
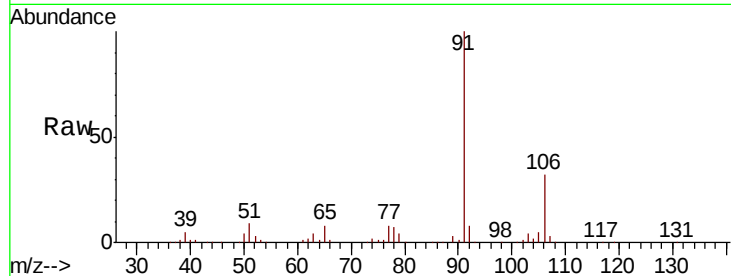
#67
Ethyl Benzene
Concen: 20.39 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion: 91 Resp: 90466
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

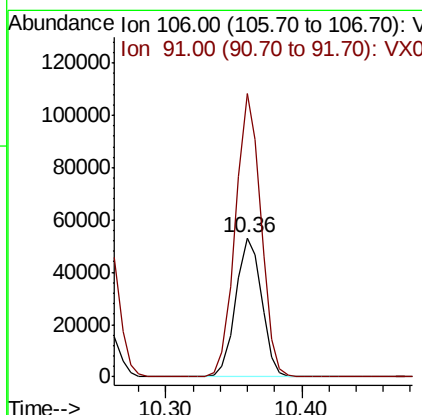
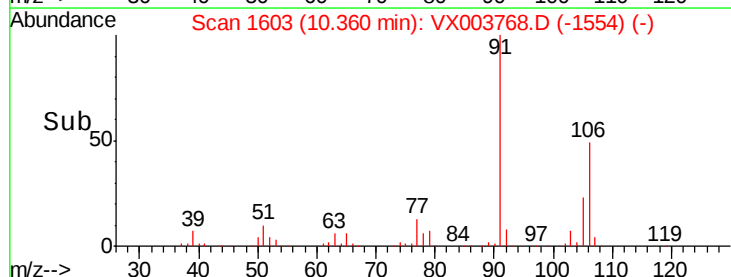
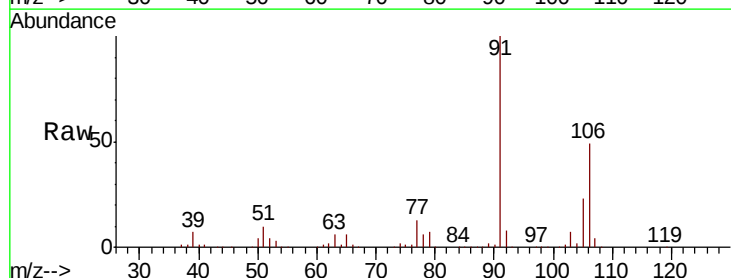
Manual Integrations
APPROVED

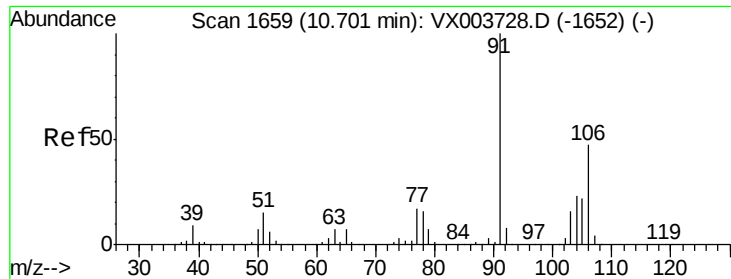
apatel
8/1/2018 6:54:40 PM



#68
m/p-Xylenes
Concen: 40.77 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion: 106 Resp: 70747
Ion Ratio Lower Upper
106 100
91 200.6 159.8 239.8





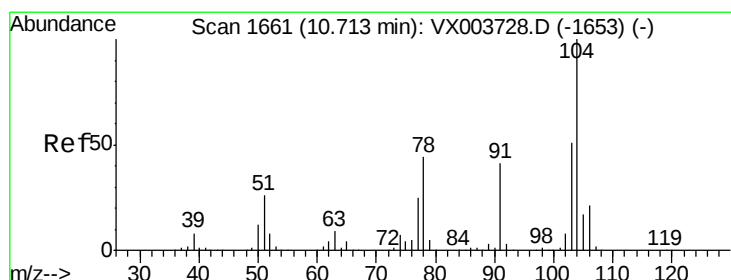
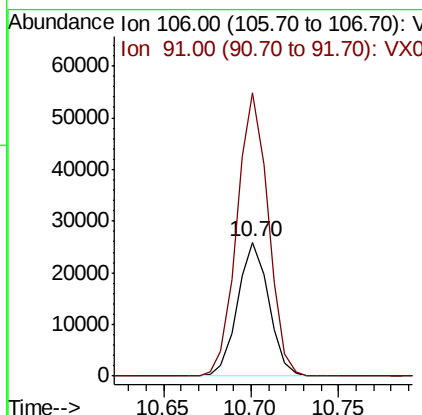
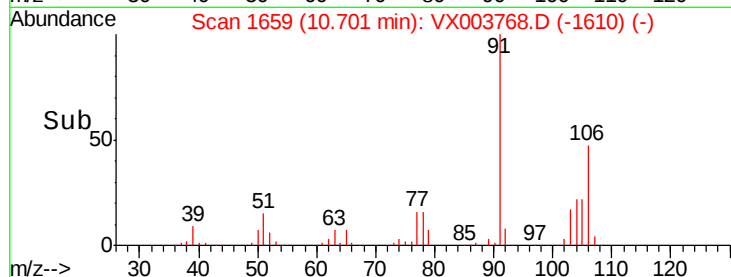
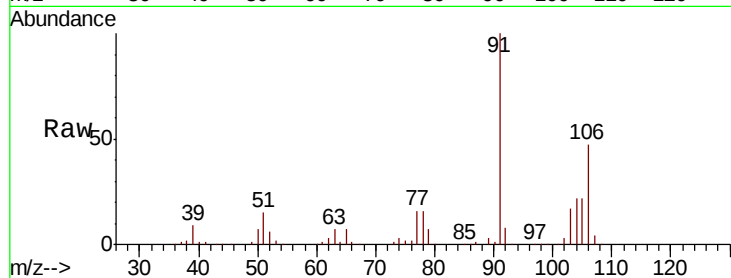
#69
o-Xylene
Concen: 19.95 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion:106 Resp: 32143
Ion Ratio Lower Upper
106 100
91 212.6 105.6 316.8

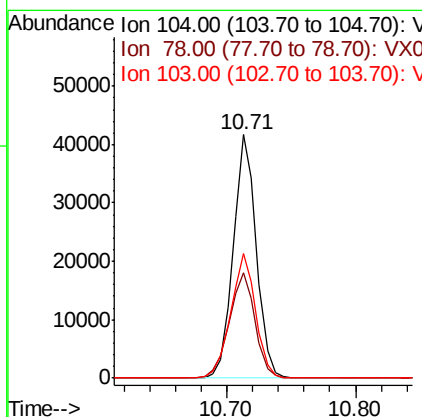
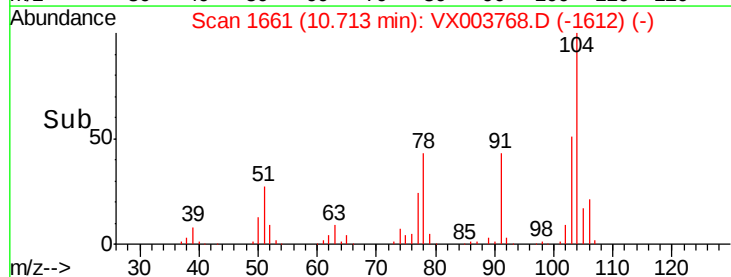
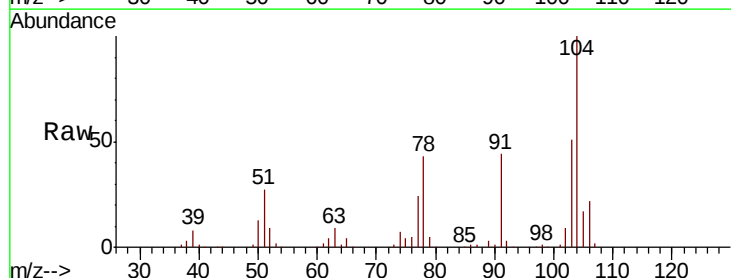
Manual Integrations
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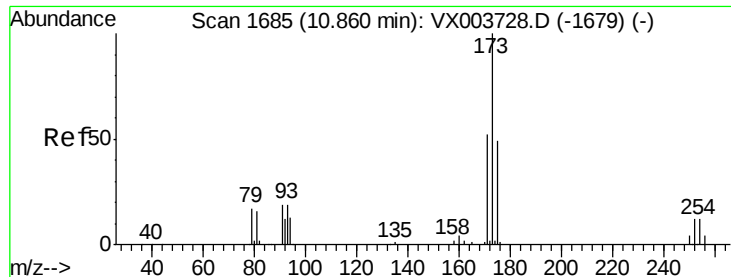
apatel
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#70
Styrene
Concen: 19.23 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion:104 Resp: 52120
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.4 44.5 66.7





#71

Bromoform

Concen: 16.73 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampled :

VX0731SBS02

Tot Ion:173 Resp: 9853

Ion Ratio Lower Upper

173 100

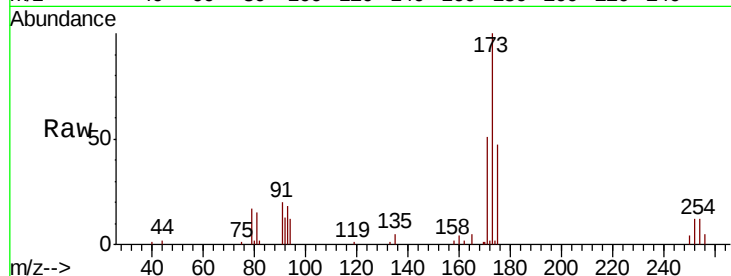
175 48.4 24.9 74.6

254 0.0 0.0 0.0

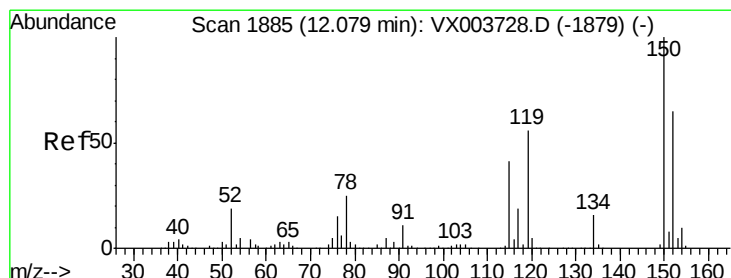
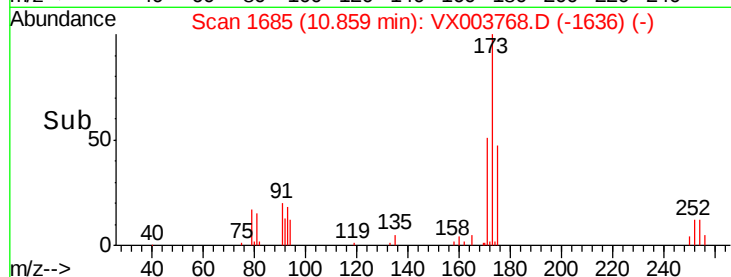
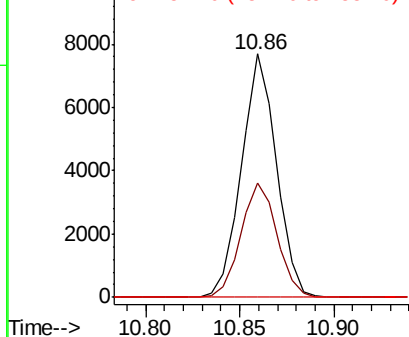
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

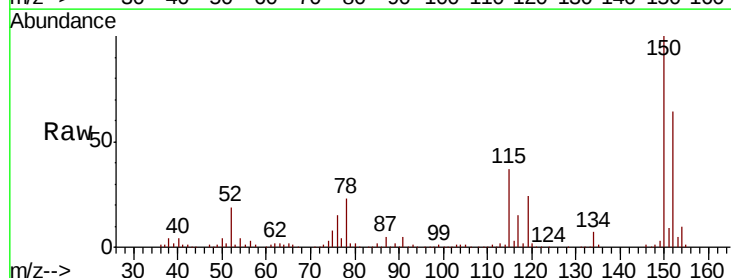
Tgt Ion:152 Resp: 69798

Ion Ratio Lower Upper

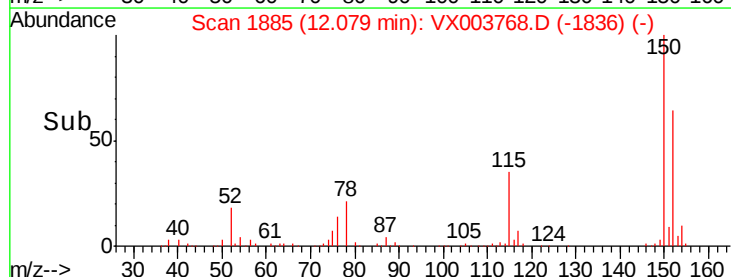
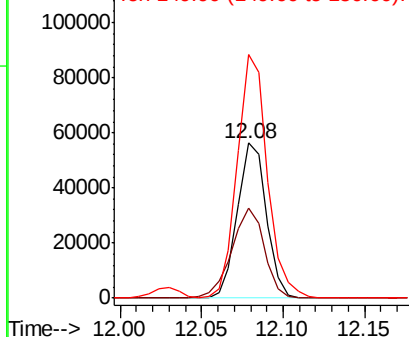
152 100

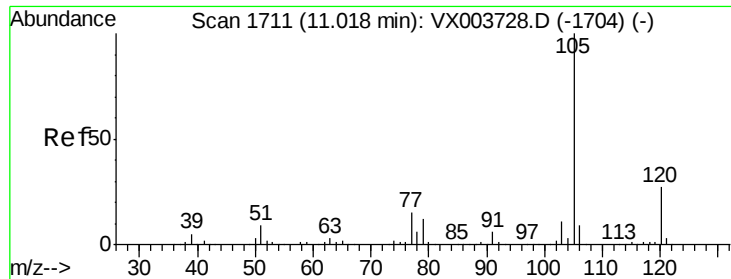
115 64.5 38.5 115.3

150 162.9 0.0 346.2



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





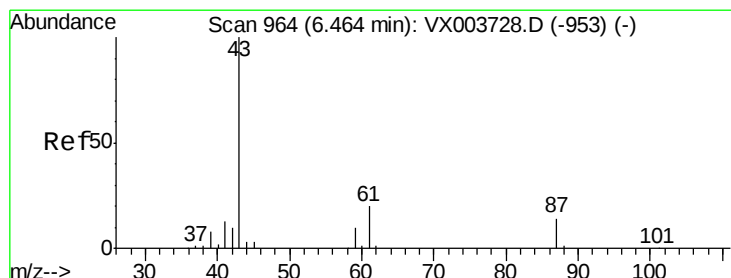
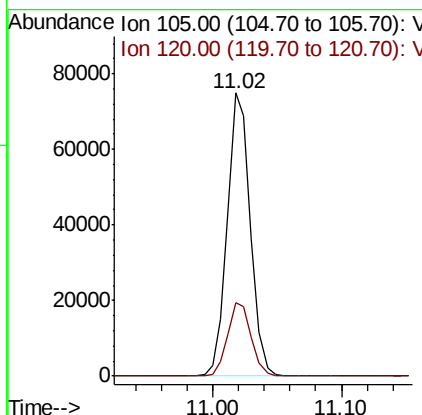
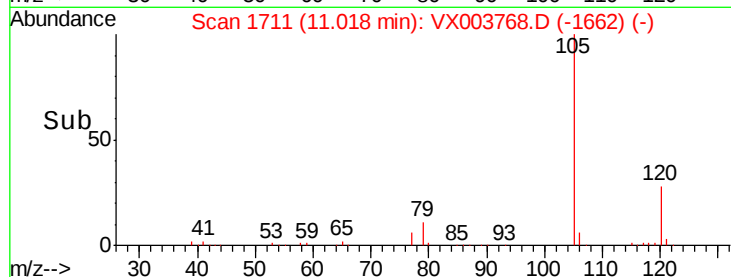
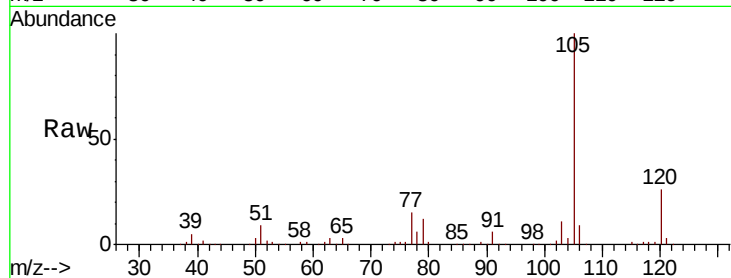
#73
Isopropylbenzene
Concen: 21.56 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion:105 Resp: 94193
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5

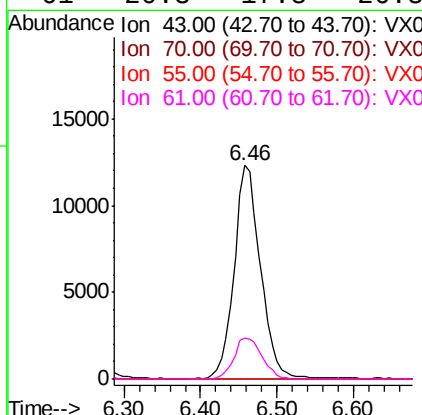
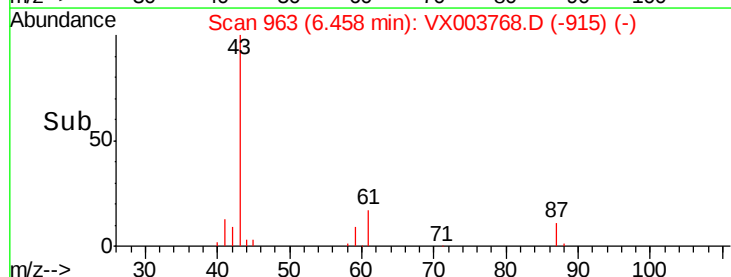
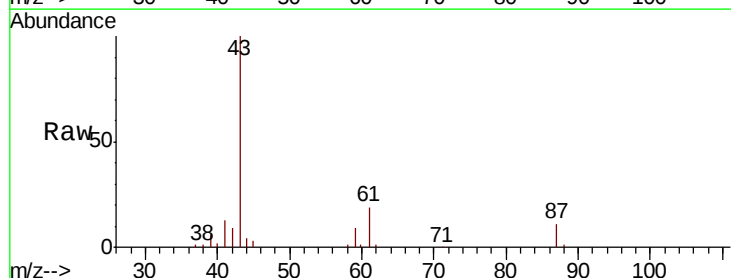
Manual Integrations
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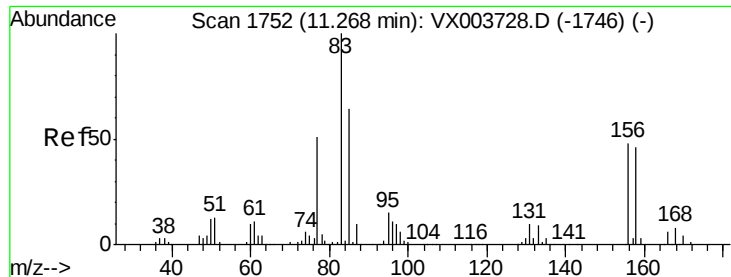
apatel
8/1/2018 6:54:40 PM



#74
N-ethyl acetate
Concen: 19.07 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.01 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion: 43 Resp: 29534
Ion Ratio Lower Upper
43 100
70 0.0 31.0 46.6#
55 0.0 18.9 28.3#
61 20.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 17.86 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

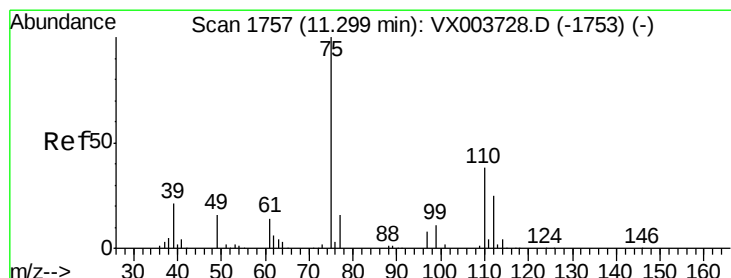
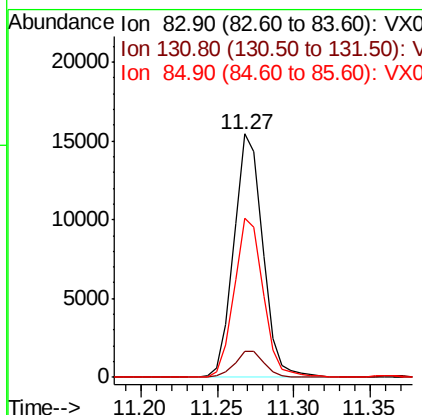
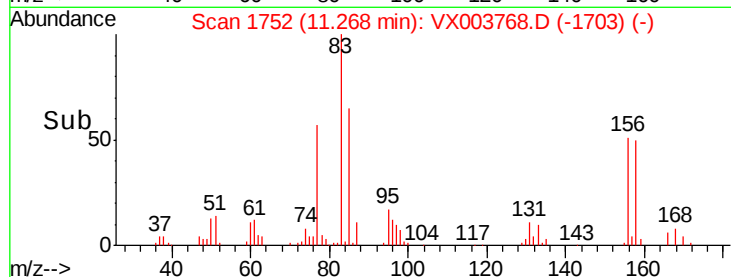
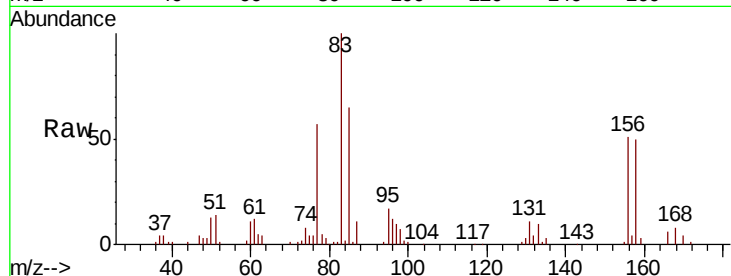
ClientSampled :

VX0731SBS02

Tot Ion:	83	Resp:	20293
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	15.9
85	65.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.38 ug/l m

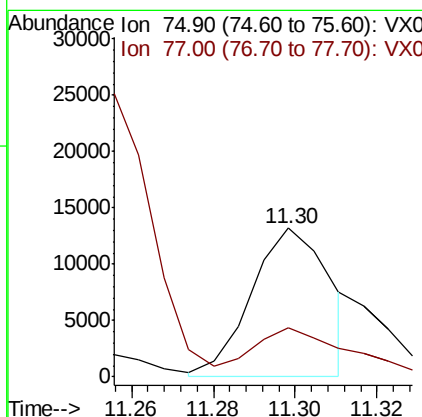
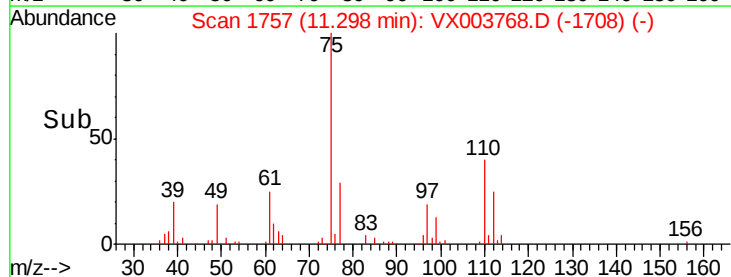
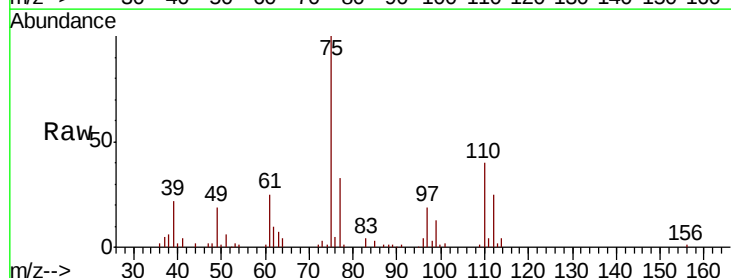
RT: 11.30 min Scan# 1757

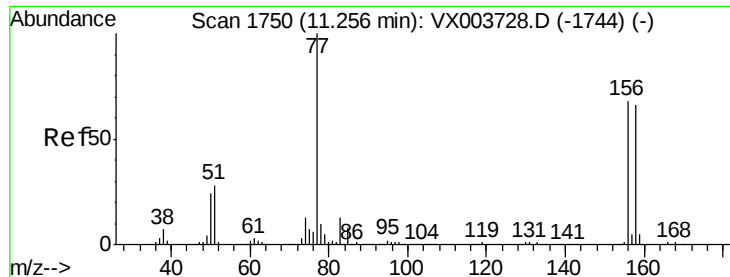
Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Tgt Ion:	75	Resp:	17679
Ion Ratio	Lower	Upper	
75	100		
77	41.2	21.6	65.0





#77

Bromobenzene

Concen: 19.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion:156 Resp: 22356

Ion Ratio Lower Upper

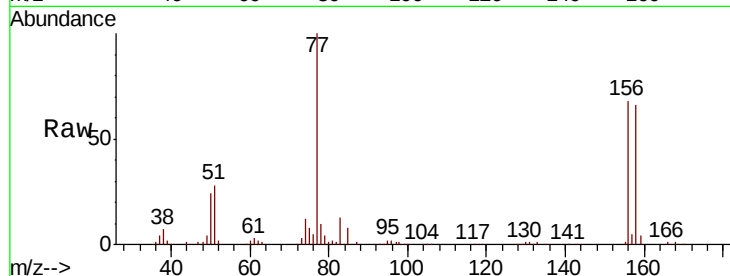
156 100

77 143.9 71.8 215.3

158 96.6 48.8 146.4

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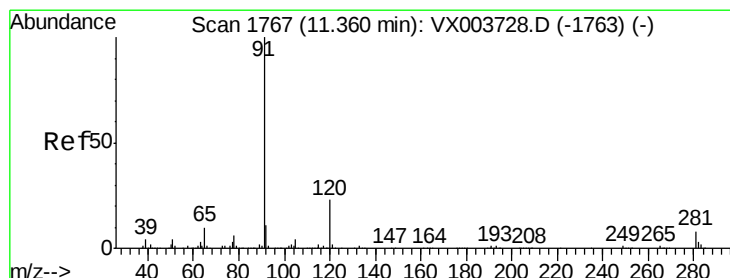
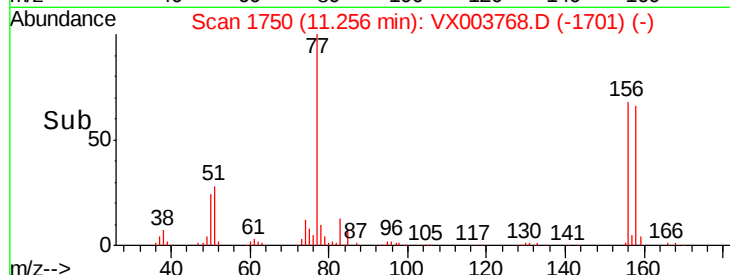
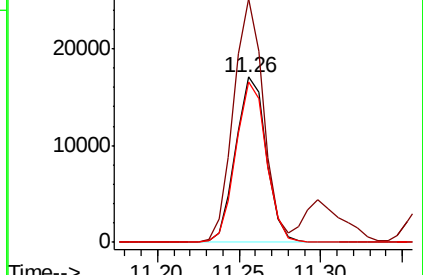
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.45 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003768.D

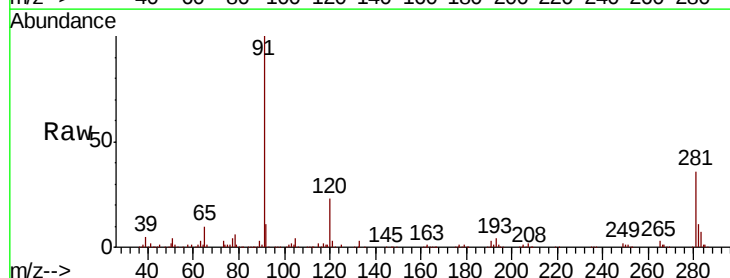
Acq: 01 Aug 2018 00:33

Tgt Ion: 91 Resp: 113572

Ion Ratio Lower Upper

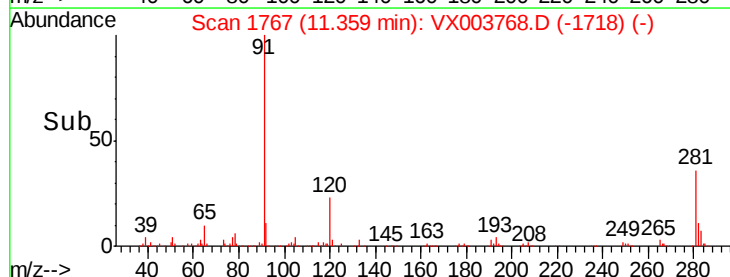
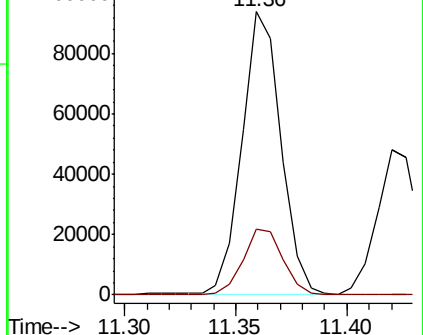
91 100

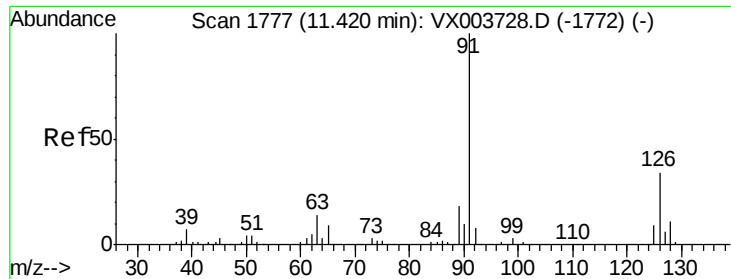
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





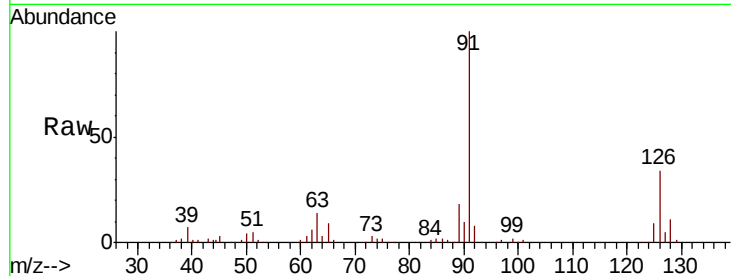
#79
 2-Chlorotoluene
 Concen: 20.39 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX0731SBS02

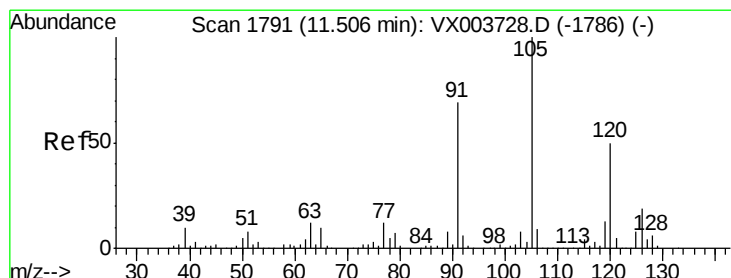
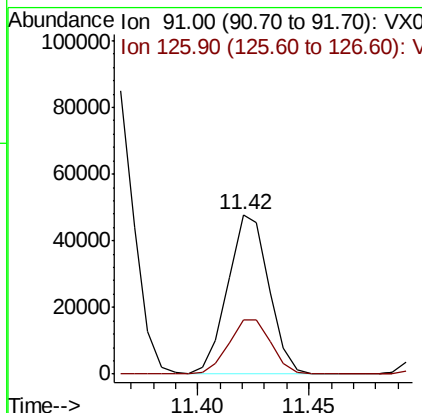
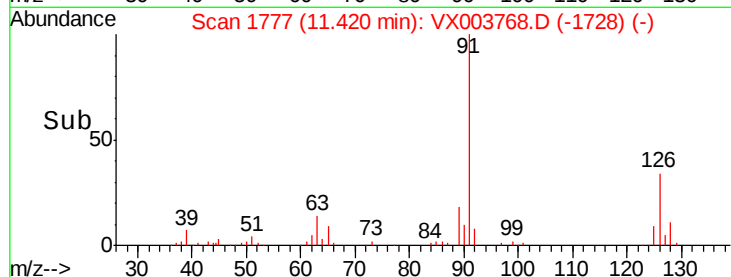
Tot Ion: 91 Resp: 61274
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.6 52.8

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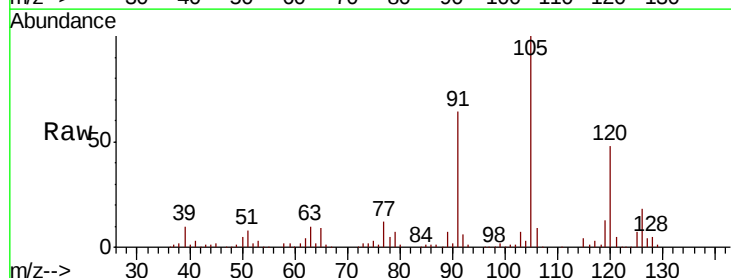


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

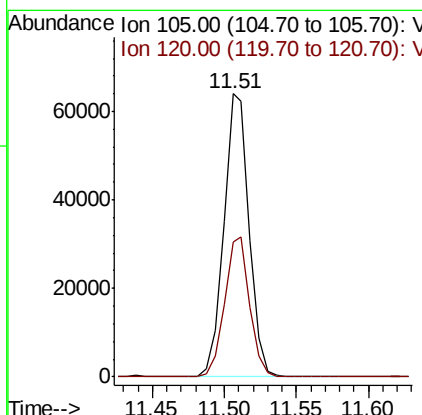
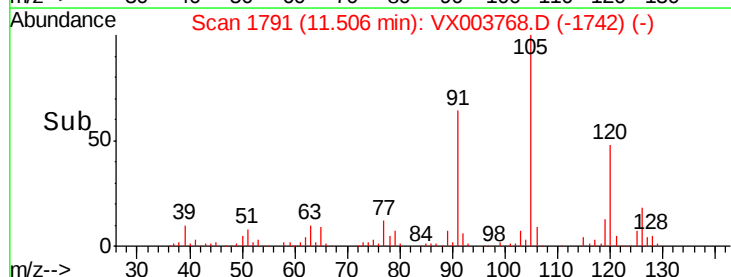


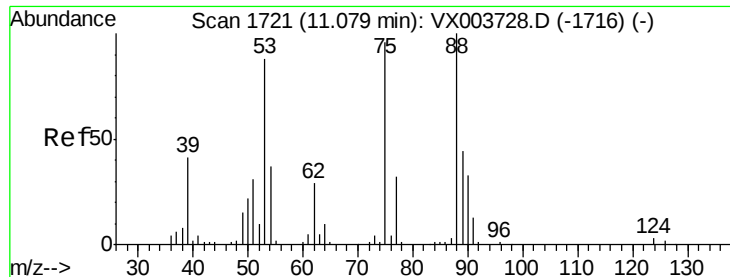
#80
 1,3,5-Trimethylbenzene
 Concen: 21.17 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion:105 Resp: 78942
 Ion Ratio Lower Upper
 105 100
 120 49.1 15.8 47.4#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.98 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampleId :

VX0731SBS02

Tot Ion: 75 Resp: 4864

Ion Ratio Lower Upper

75 100

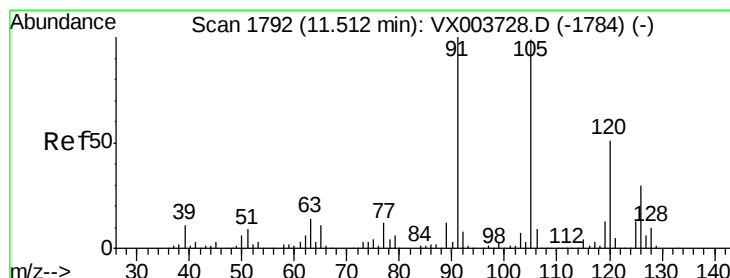
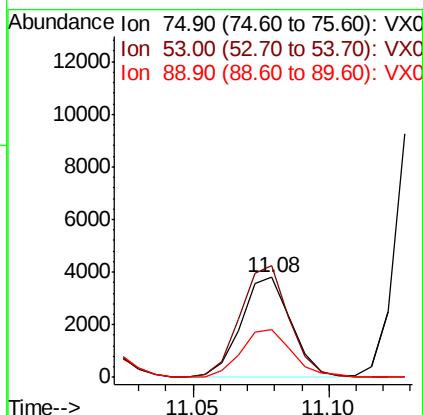
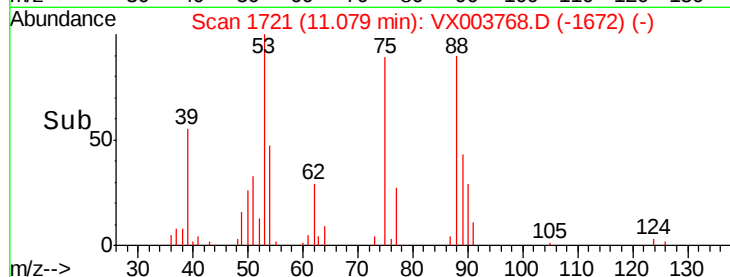
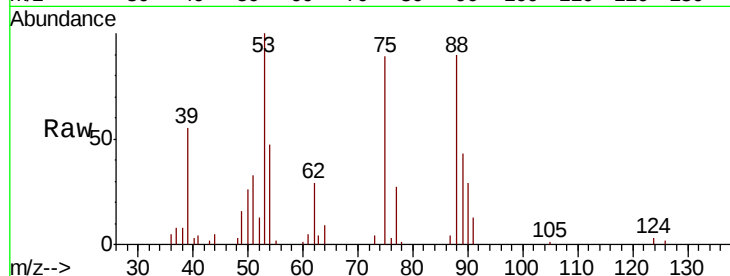
53 108.6 75.8 113.8

89 48.9 39.1 58.7

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#82

4-Chlorotoluene

Concen: 20.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003768.D

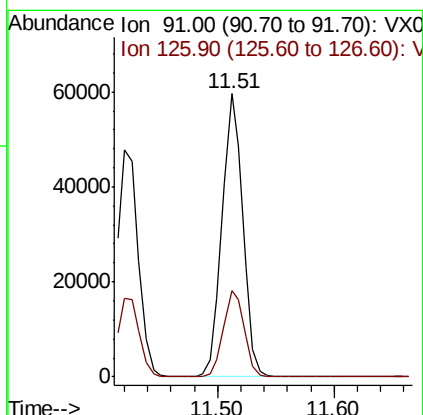
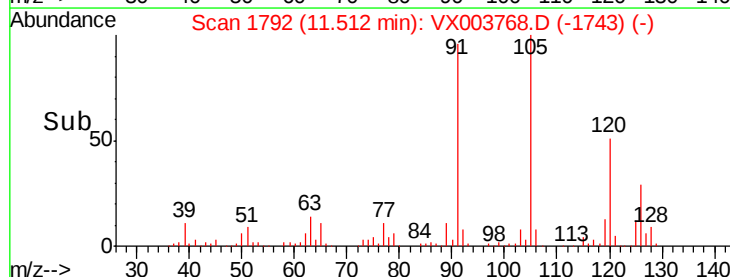
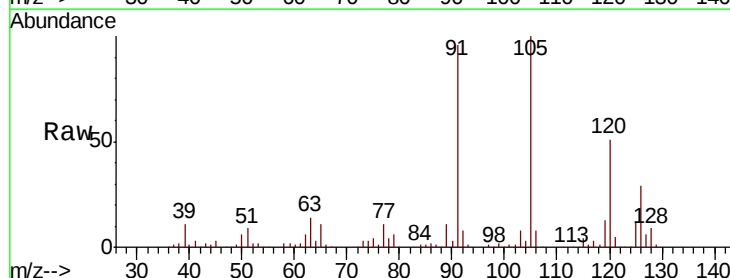
Acq: 01 Aug 2018 00:33

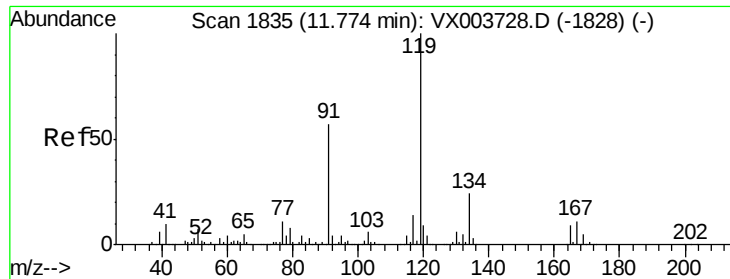
Tgt Ion: 91 Resp: 73538

Ion Ratio Lower Upper

91 100

126 30.6 15.6 46.7





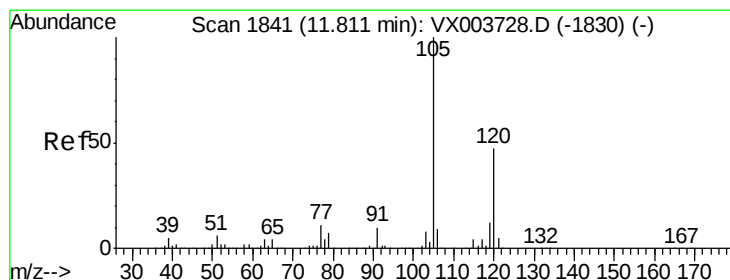
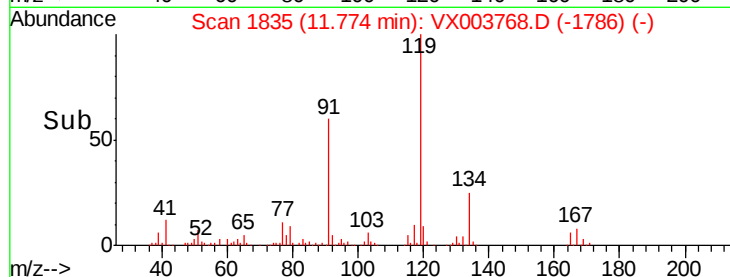
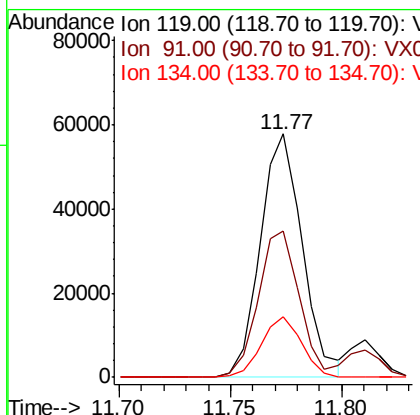
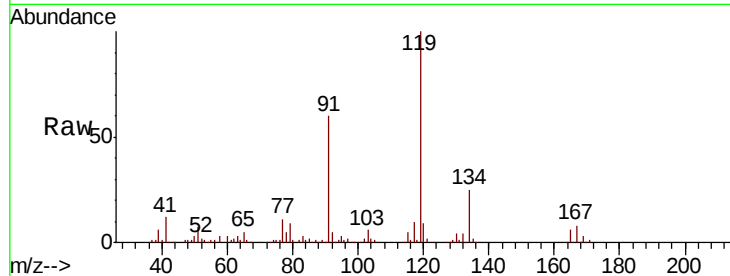
#83
 tert-Butylbenzene
 Concen: 20.58 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	27.2	81.6
134	23.9	11.6	34.8

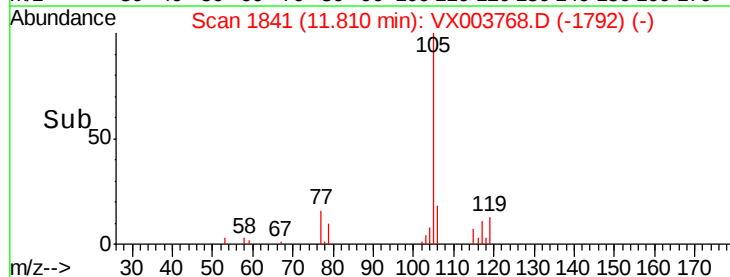
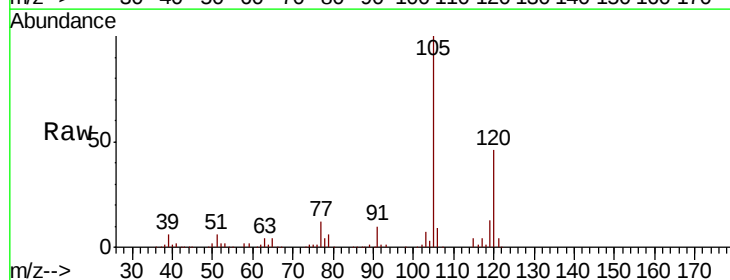
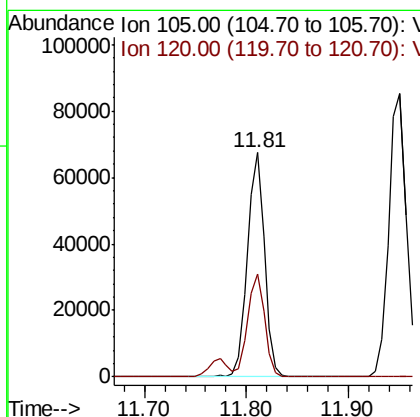
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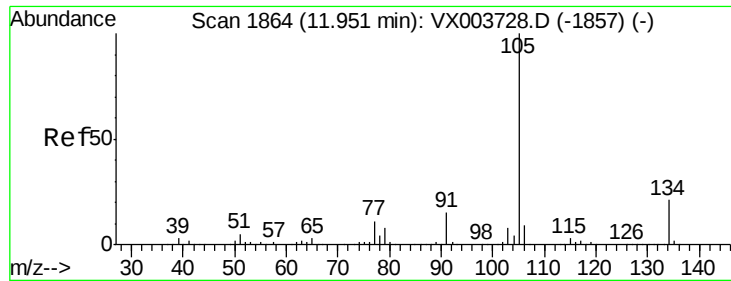
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.60 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 21.99 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

ClientSampled :

VX0731SBS02

Tot Ion:105 Resp: 103792

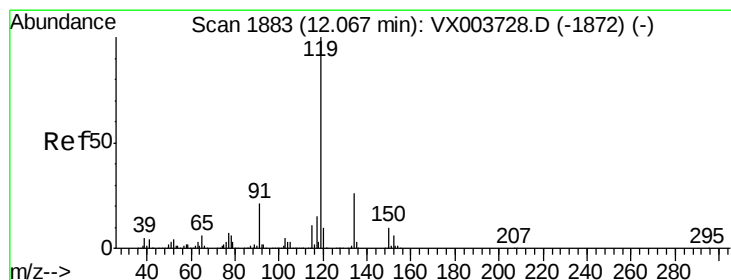
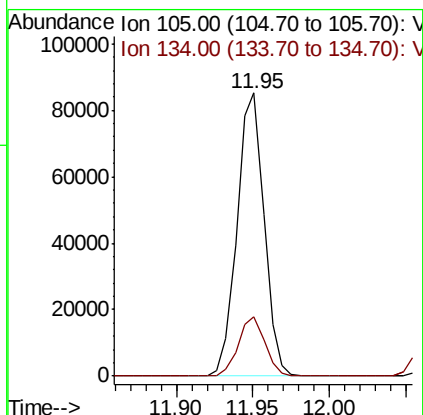
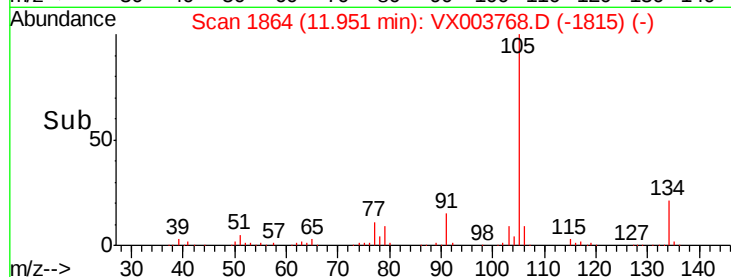
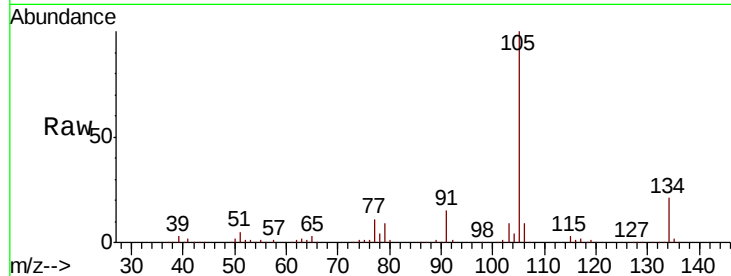
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.69 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

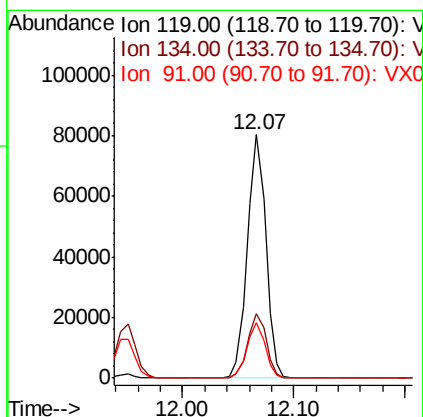
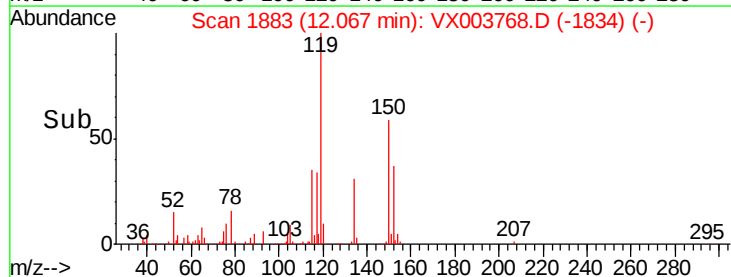
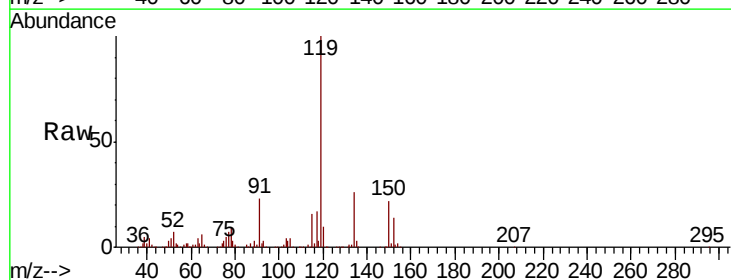
Tgt Ion:119 Resp: 93046

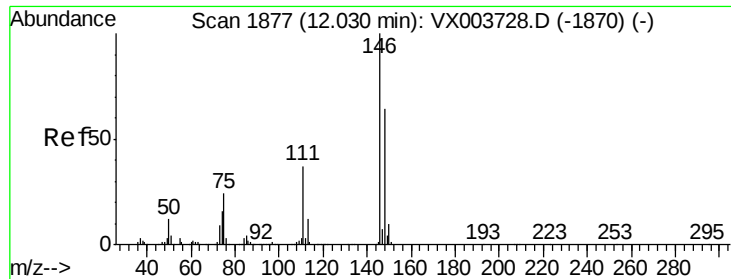
Ion Ratio Lower Upper

119 100

134 26.5 10.1 30.1

91 22.4 23.6 70.8#





#87

1,3-Dichlorobenzene

Concen: 19.51 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Instrument :

MSVOA_X

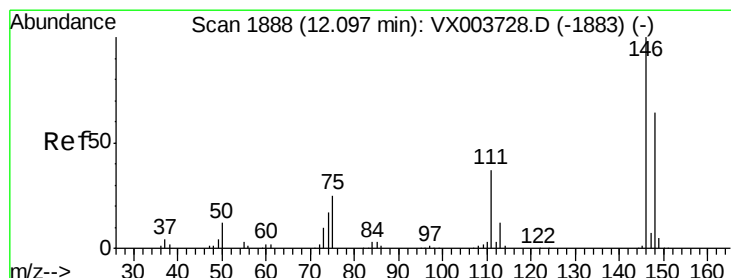
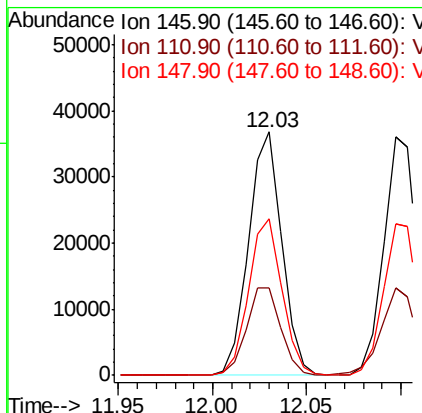
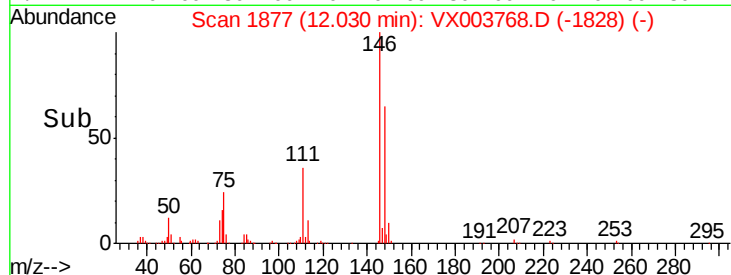
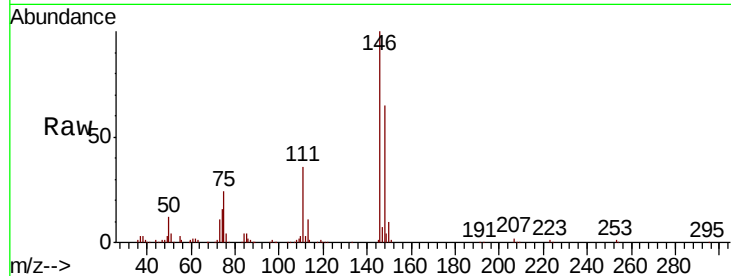
ClientSampleId :

VX0731SBS02

Tot Ion:	146	Resp:	44970
Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.5	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.09 ug/l

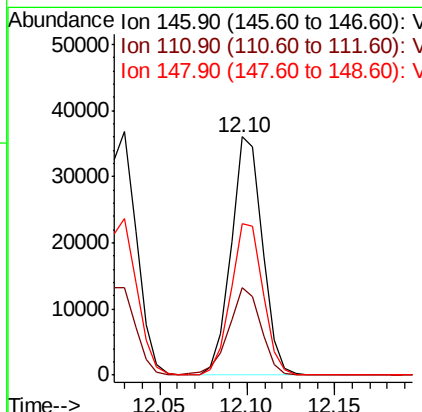
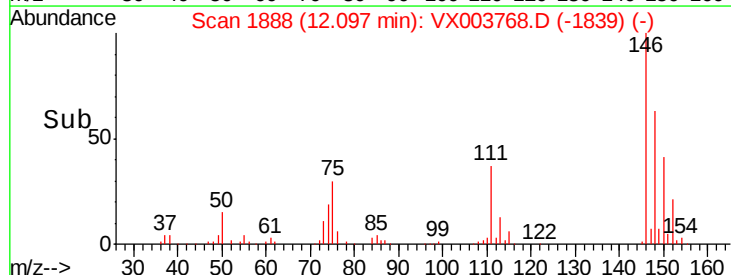
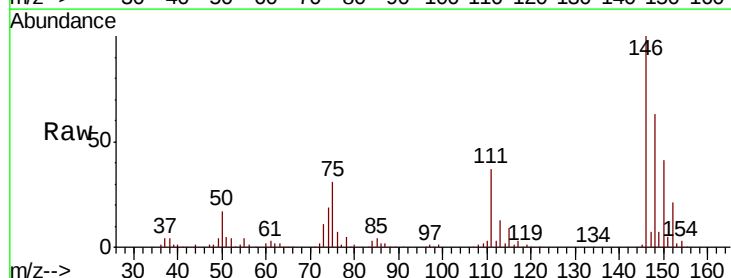
RT: 12.10 min Scan# 1888

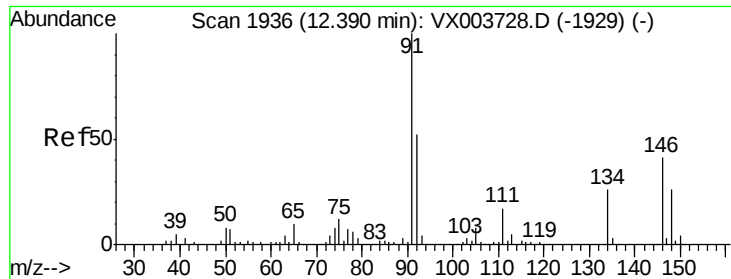
Delta R.T. -0.00 min

Lab File: VX003768.D

Acq: 01 Aug 2018 00:33

Tgt Ion:	146	Resp:	44893
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.3	54.9
148	65.2	32.0	96.2





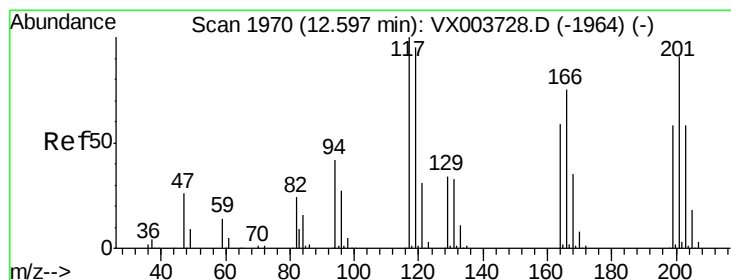
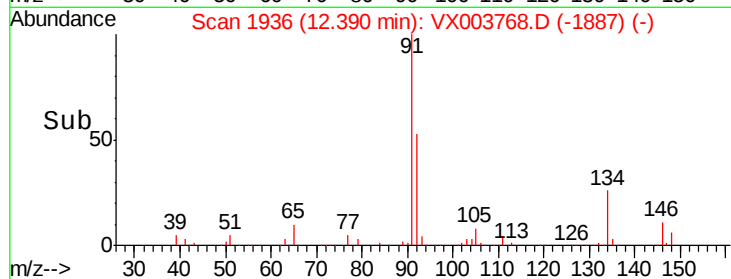
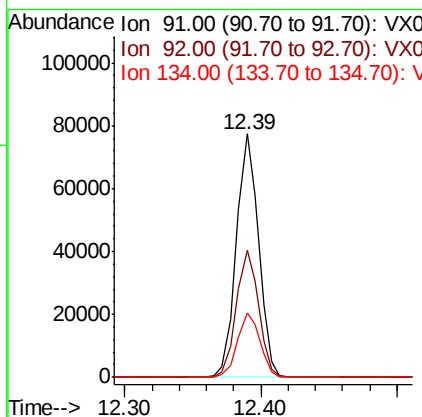
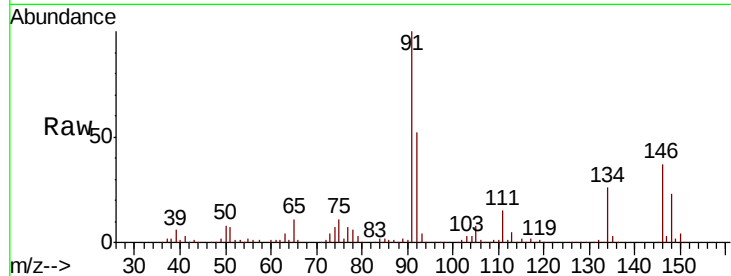
#89
n-Butylbenzene
Concen: 21.50 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	26.9	13.6	40.7

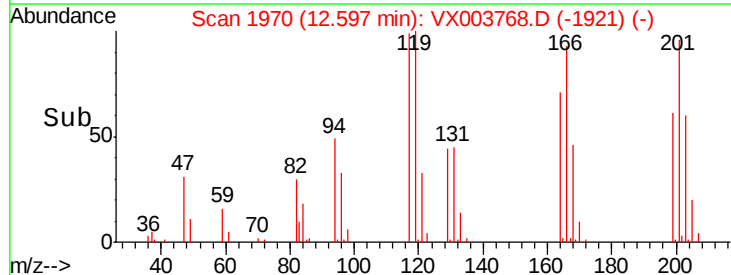
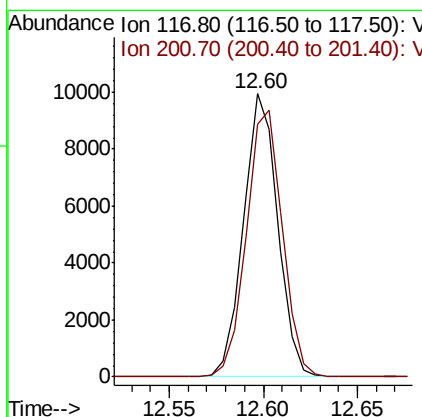
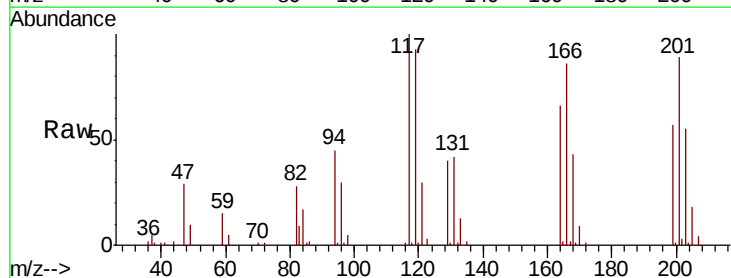
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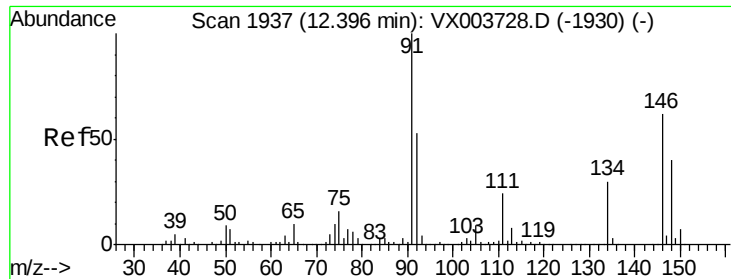
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#90
Hexachloroethane
Concen: 19.61 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	49.3	147.8





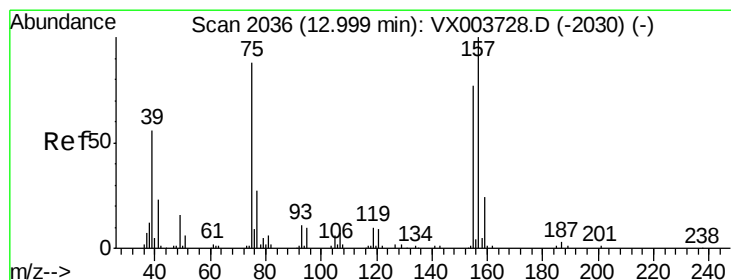
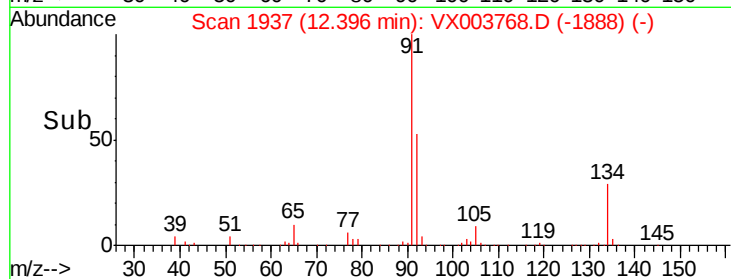
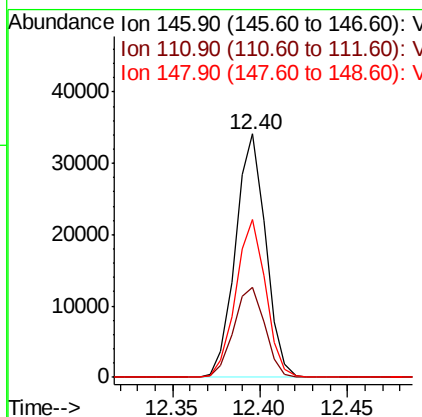
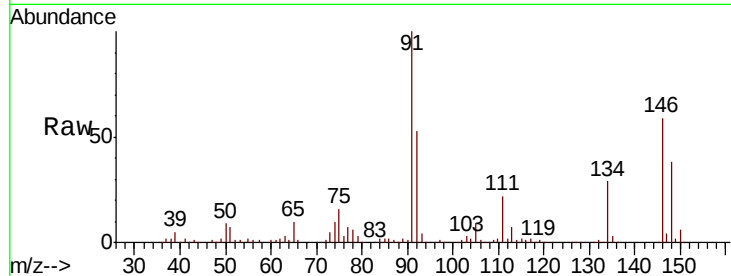
#91
 1,2-Dichlorobenzene
 Concen: 19.09 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.4
148	64.1	32.0	96.0

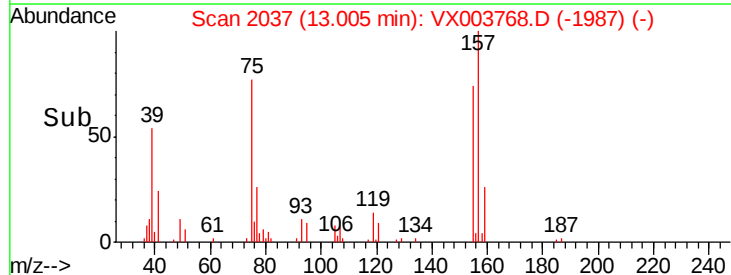
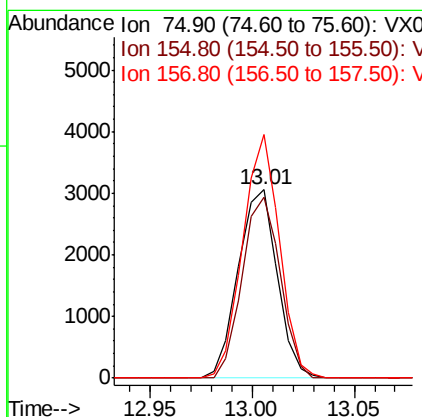
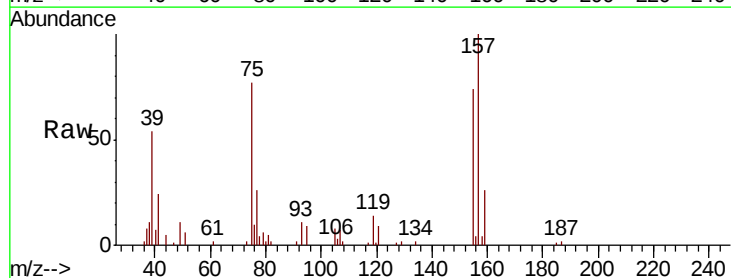
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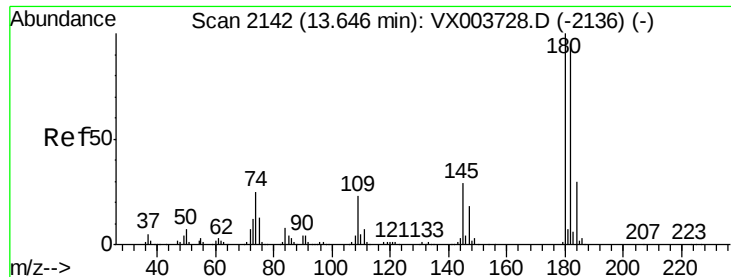
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.06 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	48.9	146.7
157	121.4	63.7	191.1





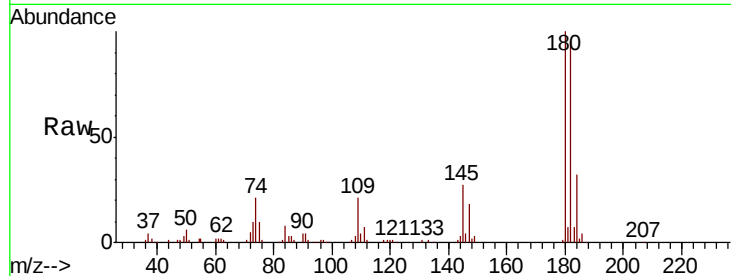
#93
 1,2,4-Trichlorobenzene
 Concen: 18.55 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731SBS02

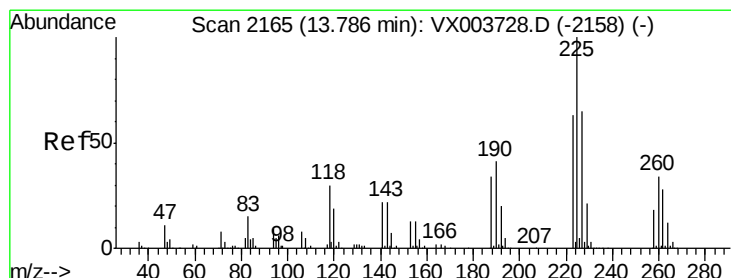
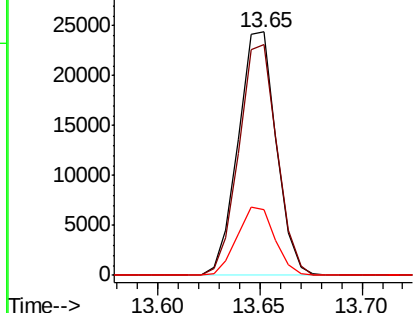
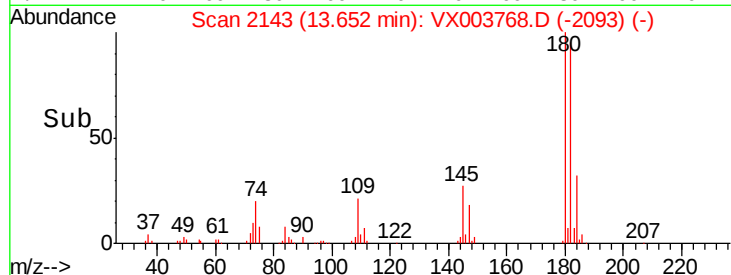
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.9
145	27.8	14.1	42.2

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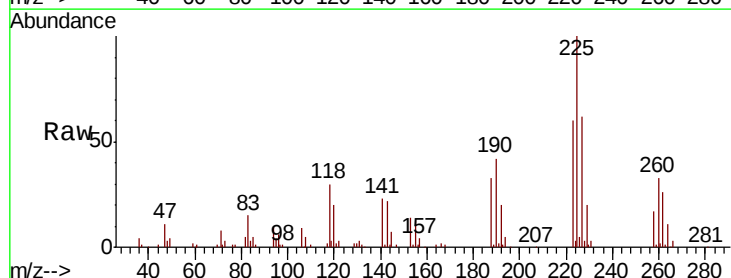


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

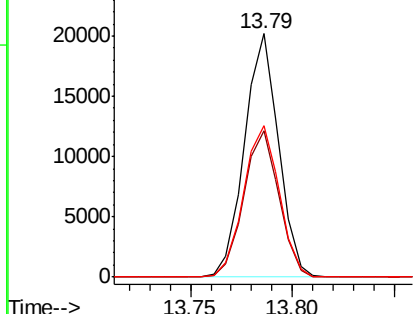
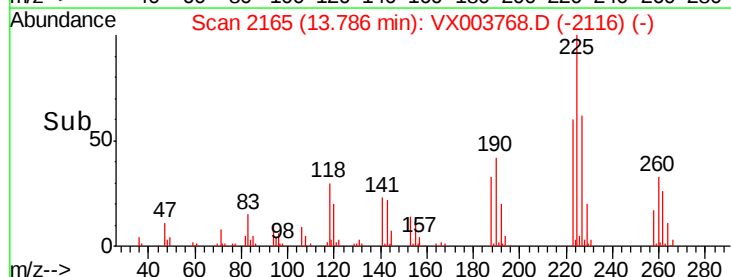


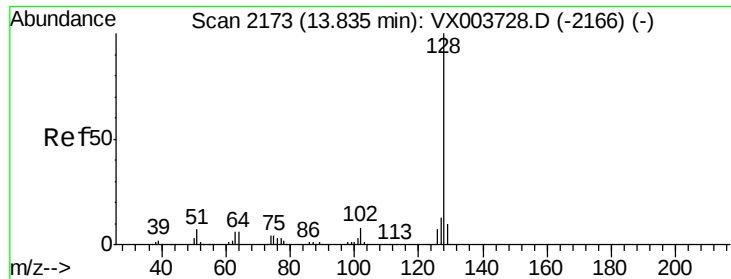
#94
 Hexachlorobutadiene
 Concen: 21.52 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003768.D
 Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.5
227	64.7	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





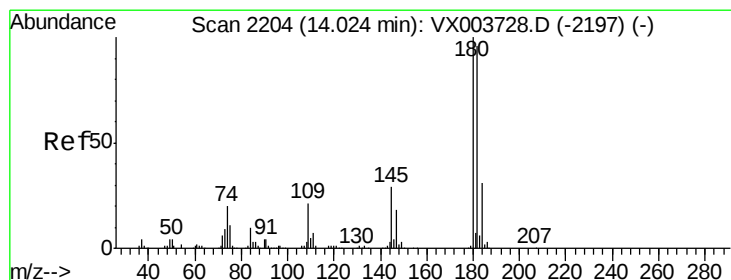
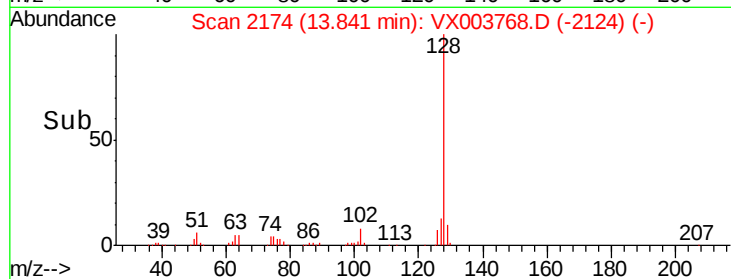
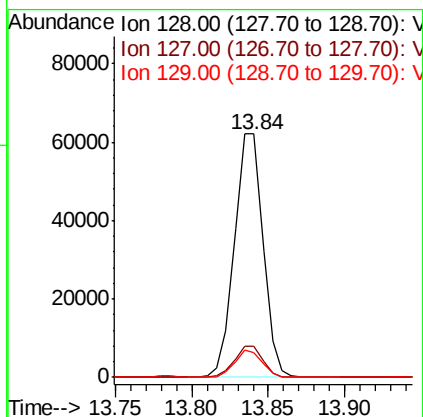
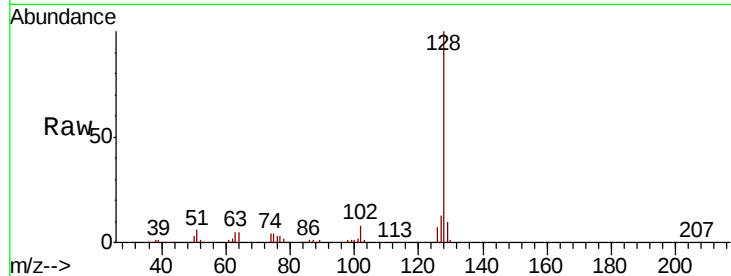
#95
Naphthalene
Concen: 22.17 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Instrument :
MSVOA_X
ClientSampleId :
VX0731SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 18.55 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003768.D
Acq: 01 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	30.3	14.7	44.1

