

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051218\
 Data File : VX001682.D
 Acq On : 12 May 2018 22:28
 Operator : JC/MD
 Sample : VX0512WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Manual Integrations
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 5/15/2018 6:32:11 PM

Quant Time: May 14 07:27:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	288964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149684	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.51	113	125740	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	8.72	98	434317	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	11.14	95	161394	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56877	19.05	ug/l	99
3) Chloromethane	1.32	50	53446	18.38	ug/l	99
4) Vinyl Chloride	1.40	62	58984	19.44	ug/l	98
5) Bromomethane	1.64	94	33350	22.09	ug/l	99
6) Chloroethane	1.73	64	39285	19.59	ug/l	95
7) Trichlorofluoromethane	1.93	101	90792	19.88	ug/l	98
8) Diethyl Ether	2.19	74	36729	20.52	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53852	20.12	ug/l	100
10) Methyl Iodide	2.51	142	59594	15.43	ug/l	98
11) Tert butyl alcohol	3.07	59	73784	109.80	ug/l	100
12) 1,1-Dichloroethene	2.37	96	48767	19.87	ug/l	99
13) Acrolein	2.30	56	9319	61.55	ug/l	98
14) Allyl chloride	2.73	41	92825	20.29	ug/l	97
15) Acrylonitrile	3.15	53	158667	104.49	ug/l	100
16) Acetone	2.45	43	143180	98.93	ug/l	99
17) Carbon Disulfide	2.57	76	106209	17.01	ug/l	99
18) Methyl Acetate	2.78	43	89973	23.66	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	178396	20.88	ug/l	98
20) Methylene Chloride	2.86	84	57873	20.20	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	51869	18.94	ug/l	98
22) Diisopropyl ether	3.88	45	178270	20.86	ug/l	99
23) Vinyl Acetate	3.83	43	715537	100.44	ug/l	99
24) 1,1-Dichloroethane	3.70	63	96826	20.28	ug/l	99
25) 2-Butanone	4.71	43	213983	102.29	ug/l	99
26) 2,2-Dichloropropane	4.59	77	64272	17.43	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	60392	20.71	ug/l	96
28) Bromochloromethane	5.03	49	48016	23.19	ug/l	98
29) Tetrahydrofuran	5.17	42	135091	100.93	ug/l	99
30) Chloroform	5.22	83	105231	21.39	ug/l	95
31) Cyclohexane	5.58	56	78278	19.09	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	91424	21.27	ug/l	99
36) 1,1-Dichloropropene	5.80	75	69773	18.98	ug/l	99
37) Ethyl Acetate	4.87	43	81952	20.34	ug/l	100
38) Carbon Tetrachloride	5.79	117	79172	20.20	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	79067	18.19	ug/l	99
40) Benzene	6.15	78	222757	20.75	ug/l	99
41) Methacrylonitrile	5.07	41	46570	20.20	ug/l	99
42) 1,2-Dichloroethane	6.21	62	87350	21.17	ug/l	100
43) Isopropyl Acetate	6.47	43	124112	20.07	ug/l	99
44) Trichloroethene	7.22	130	67117	20.45	ug/l	98
45) 1,2-Dichloropropane	7.52	63	56072	20.95	ug/l	100
46) Dibromomethane	7.66	93	39561	20.88	ug/l	99
47) Bromodichloromethane	7.90	83	74816	21.33	ug/l	98
48) Methyl methacrylate	7.79	41	67306	19.98	ug/l	98
49) 1,4-Dioxane	7.76	88	29416	404.25	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	431932	105.09	ug/l	99
52) Toluene	8.79	92	144076	20.52	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	80460	20.30	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	70579	18.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	60161	21.27	ug/l	98
56) Ethyl methacrylate	9.19	69	80430	19.73	ug/l	98
57) 1,3-Dichloropropane	9.38	76	97345	20.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	218545	109.29	ug/l	99
59) 2-Hexanone	9.50	43	314298	99.86	ug/l	100
60) Dibromochloromethane	9.59	129	58861	20.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	60645	20.42	ug/l	99
64) Tetrachloroethene	9.34	164	76416	20.41	ug/l	99
65) Chlorobenzene	10.15	112	161381	20.48	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	60325	21.40	ug/l	100
67) Ethyl Benzene	10.26	91	259247	20.07	ug/l	98
68) m/p-Xylenes	10.37	106	208512	40.86	ug/l	100
69) o-Xylene	10.71	106	101699	20.51	ug/l	99
70) Styrene	10.72	104	165376	20.53	ug/l	99
71) Bromoform	10.87	173	45770	19.25	ug/l #	99
73) Isopropylbenzene	11.02	105	275279	21.26	ug/l	100
74) N-amyl acetate	6.47	43	124112	21.10	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	83768	21.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79938m	21.07	ug/l	
77) Bromobenzene	11.26	156	79169	21.03	ug/l	99
78) n-propylbenzene	11.37	91	299150	21.21	ug/l	99
79) 2-Chlorotoluene	11.43	91	184163	21.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	227005	21.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	19101	18.96	ug/l	88
82) 4-Chlorotoluene	11.52	91	210921	21.07	ug/l	100
83) tert-Butylbenzene	11.77	119	222647	20.75	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	236144	21.31	ug/l	100
85) sec-Butylbenzene	11.95	105	271433	21.08	ug/l	99
86) p-Isopropyltoluene	12.07	119	244303	20.68	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	139418	20.72	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	141872	20.67	ug/l	99
89) n-Butylbenzene	12.40	91	189126	19.32	ug/l	100
90) Hexachloroethane	12.60	117	36987	20.79	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	143858	21.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18280	21.75	ug/l	99

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VX0512WBS02

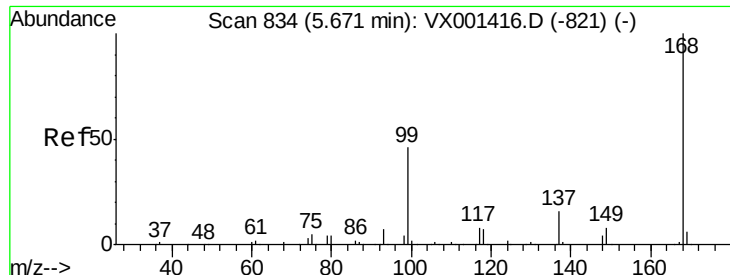
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	100550	20.07	ug/l	100
94) Hexachlorobutadiene	13.79	225	54951	20.04	ug/l	99
95) Naphthalene	13.84	128	289775	20.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	106993	20.81	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampled :

VX0512WBS02

Tot Ion:168 Resp: 221748

Ion Ratio Lower Upper

168 100

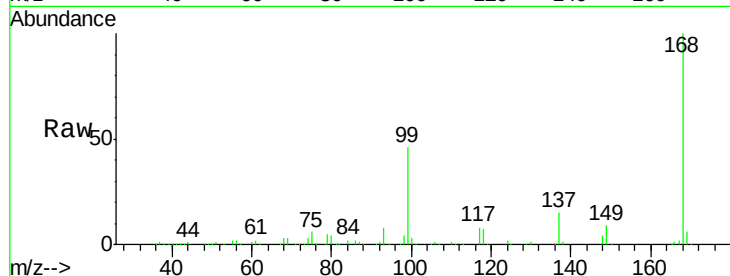
99 46.0 36.6 54.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

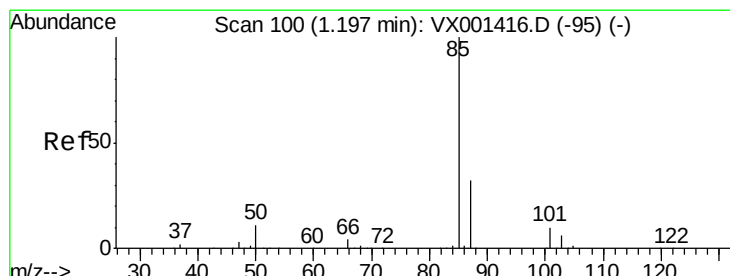
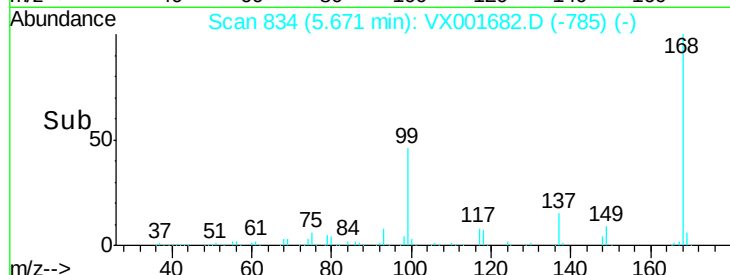
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.05 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001682.D

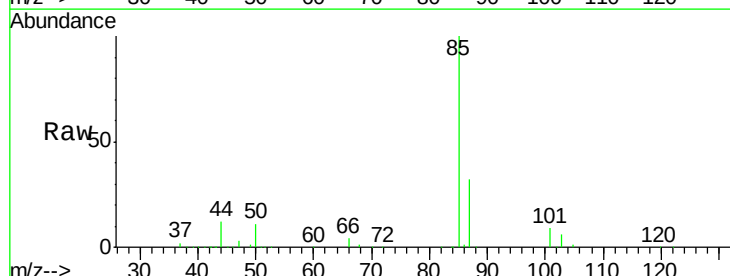
Acq: 12 May 2018 22:28

Tgt Ion: 85 Resp: 56877

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

40000

20000

0

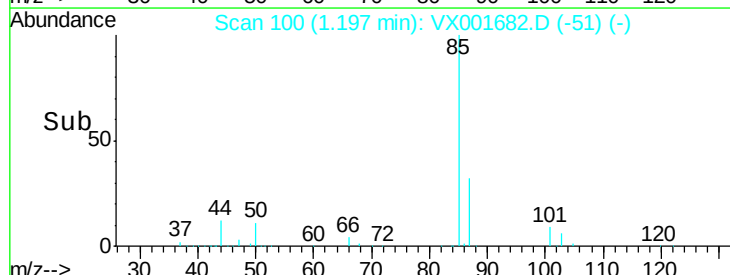
1.15

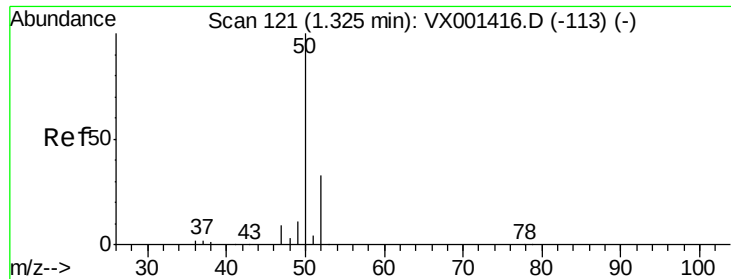
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 18.38 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 50 Resp: 53446

Ion Ratio Lower Upper

50 100

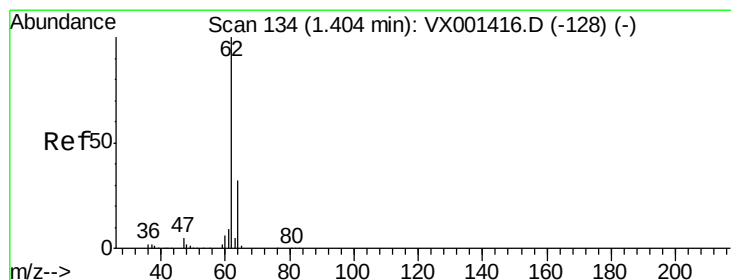
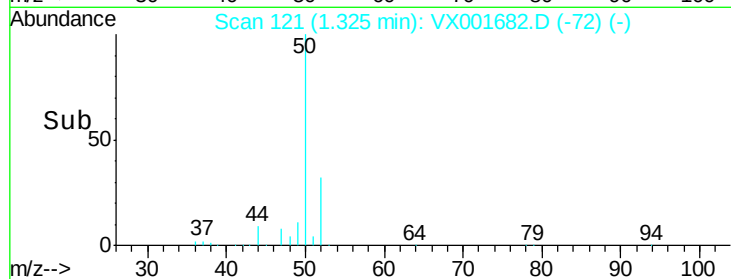
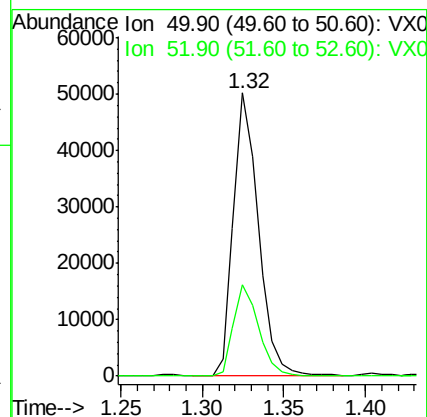
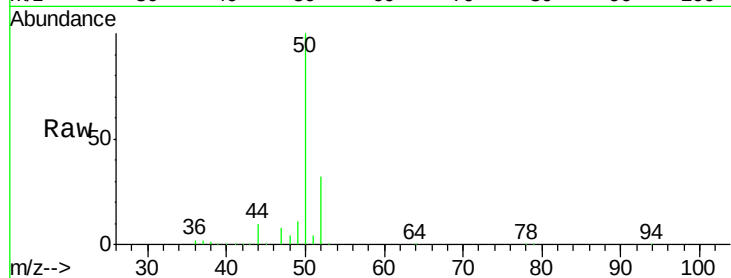
52 32.3 26.2 39.4

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#4

Vinyl Chloride

Concen: 19.44 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001682.D

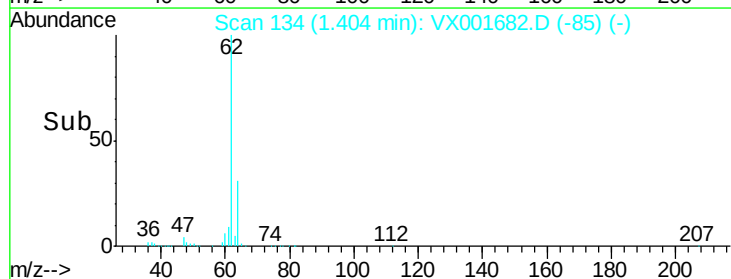
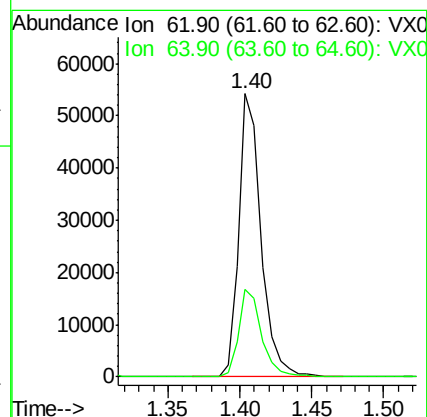
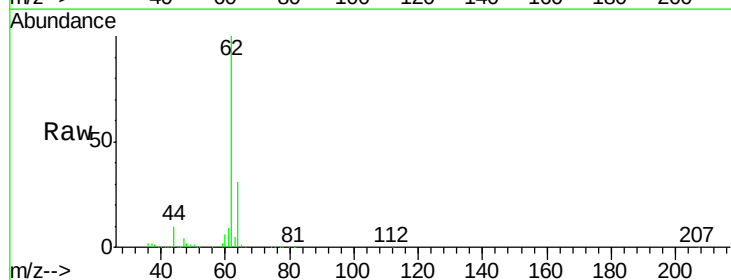
Acq: 12 May 2018 22:28

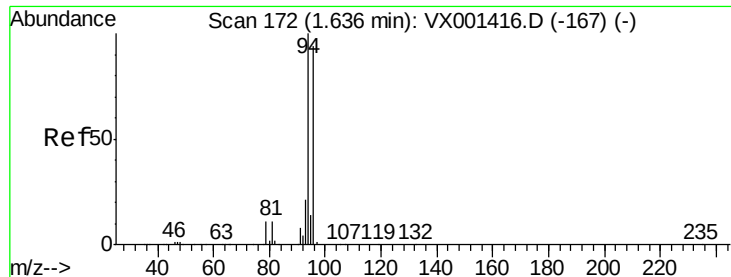
Tgt Ion: 62 Resp: 58984

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.6





#5

Bromomethane

Concen: 22.09 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 94 Resp: 33350

Ion Ratio Lower Upper

94 100

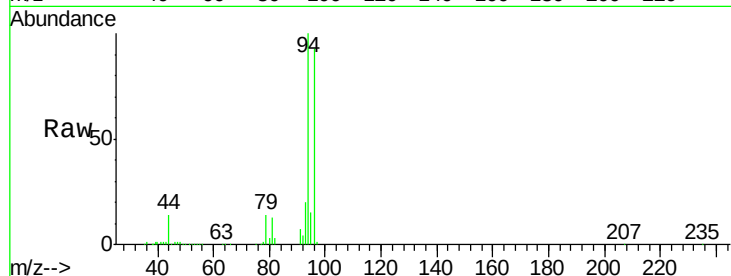
96 92.8 75.0 112.6

Manual Integrations

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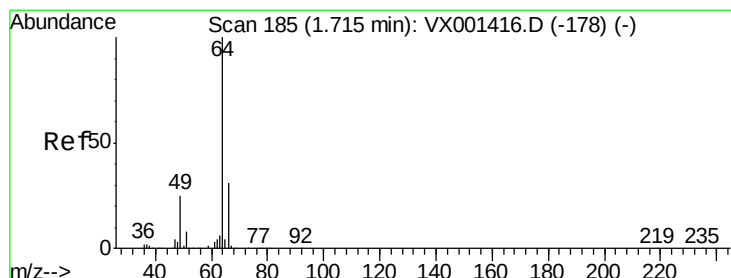
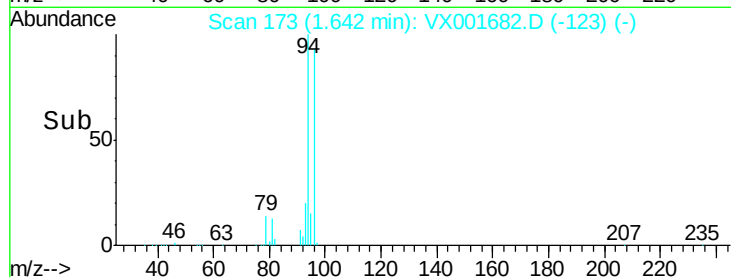
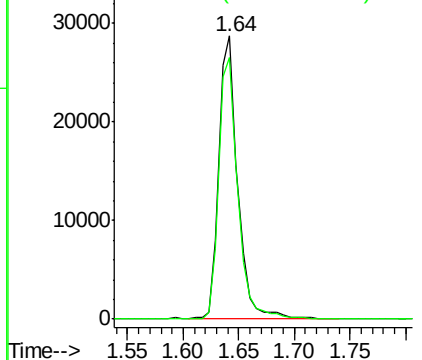
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.59 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001682.D

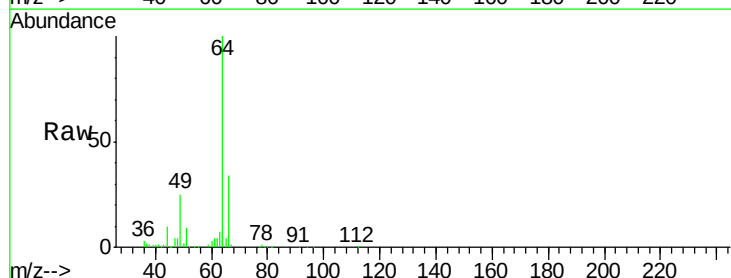
Acq: 12 May 2018 22:28

Tgt Ion: 64 Resp: 39285

Ion Ratio Lower Upper

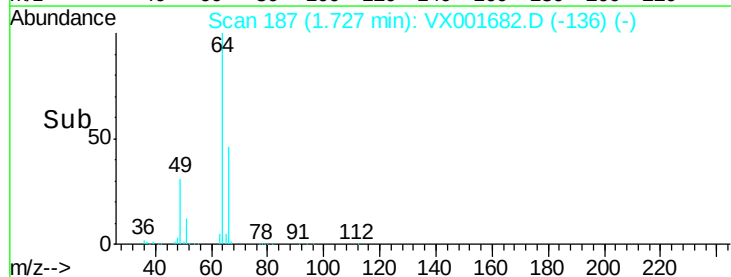
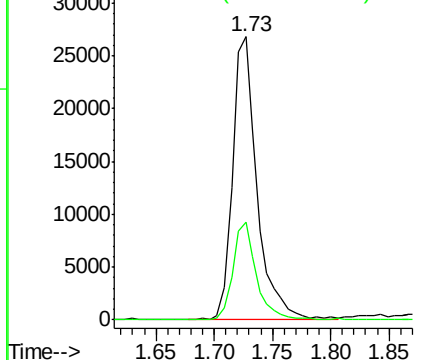
64 100

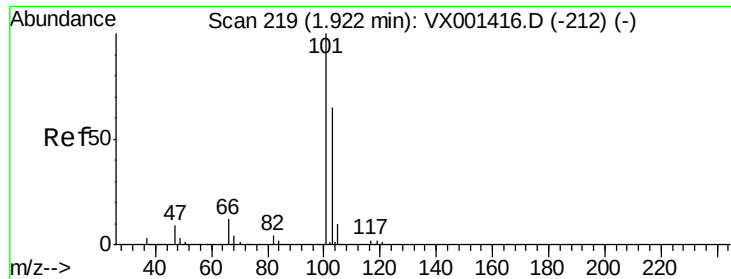
66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

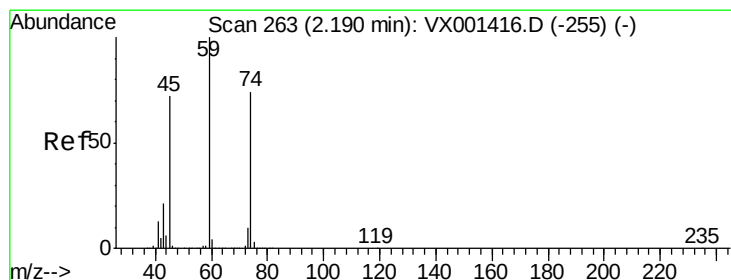
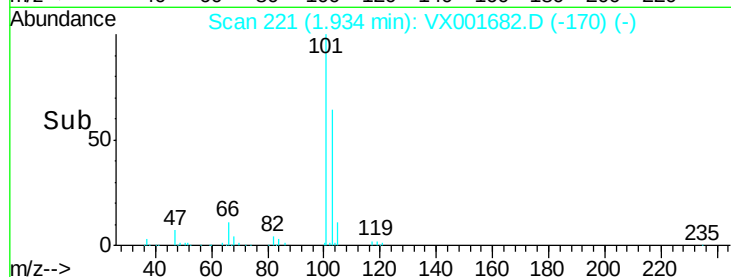
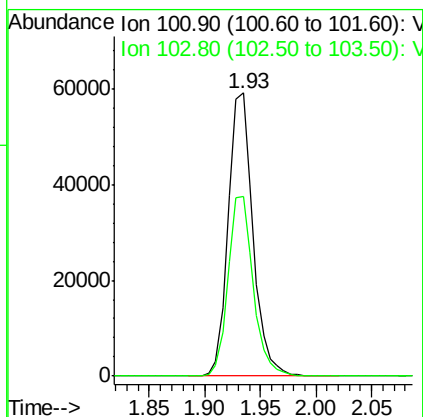
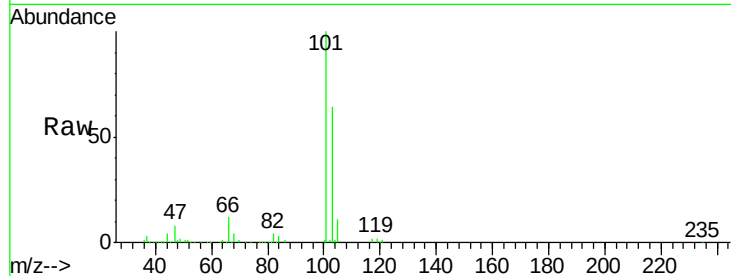
Trichlorofluoromethane
 Concen: 19.88 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.0	78.0

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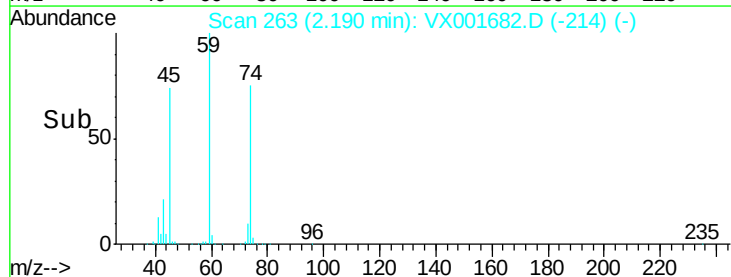
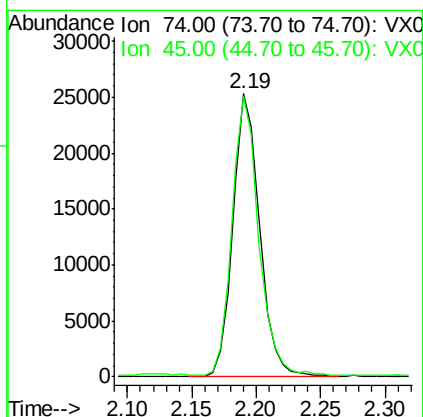
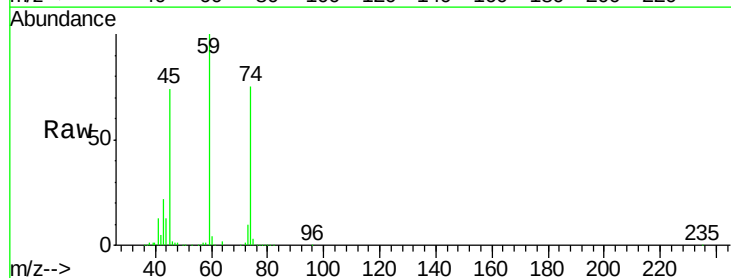
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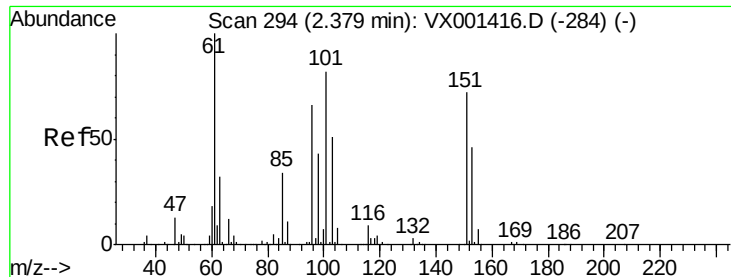


#8

Diethyl Ether
 Concen: 20.52 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.12 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

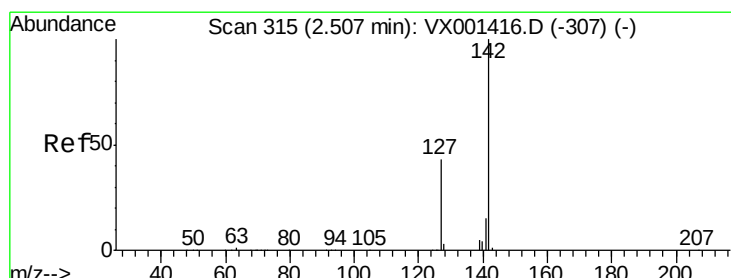
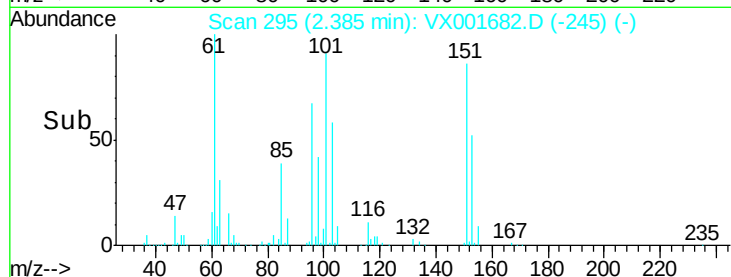
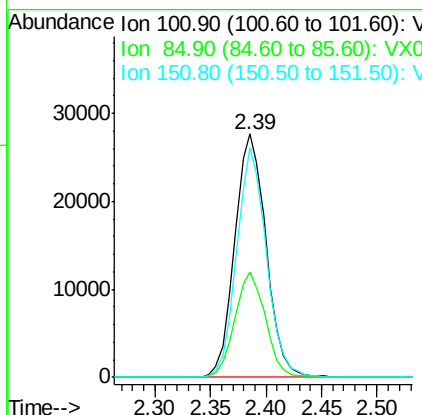
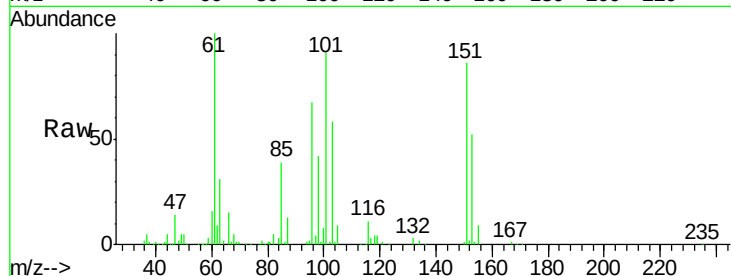
ClientSampleId :

VX0512WBS02

Tot Ion:	101	Resp:	53852
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	89.8	72.3	108.5

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#10

Methyl Iodide

Concen: 15.43 ug/l

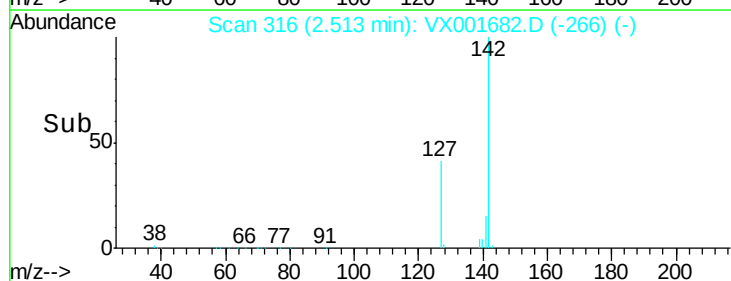
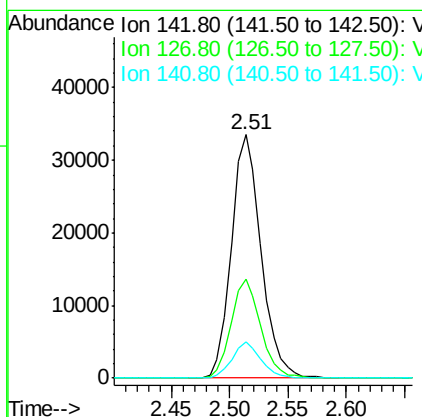
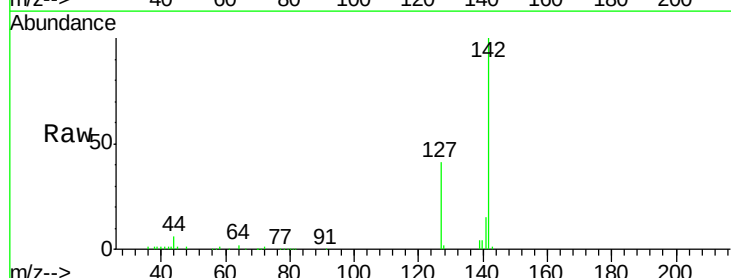
RT: 2.51 min Scan# 316

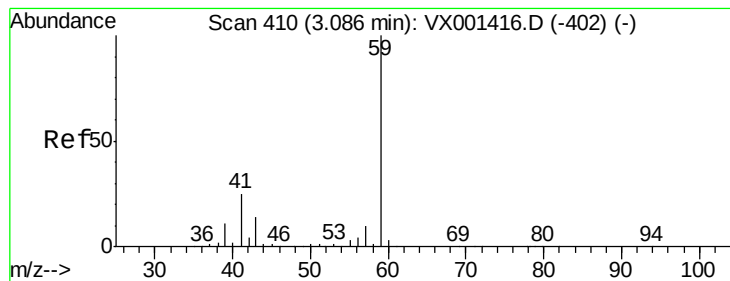
Delta R.T. 0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	142	Resp:	59594
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.6	50.4
141	14.3	11.4	17.2





#11

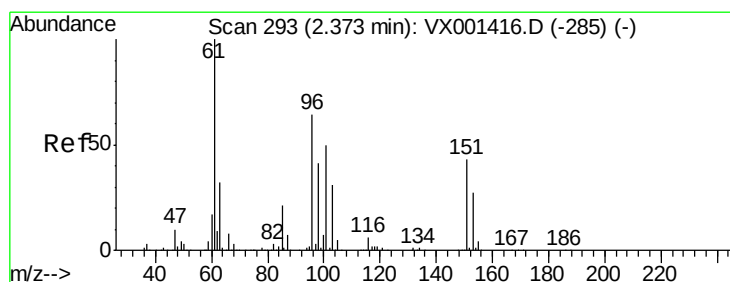
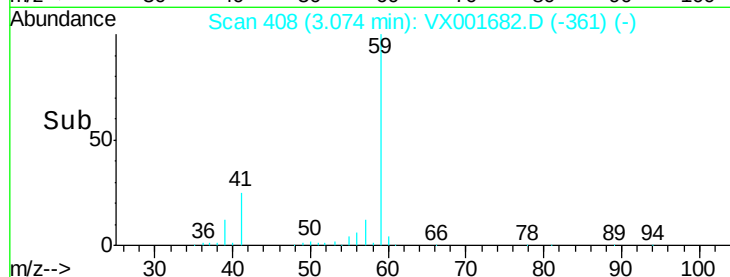
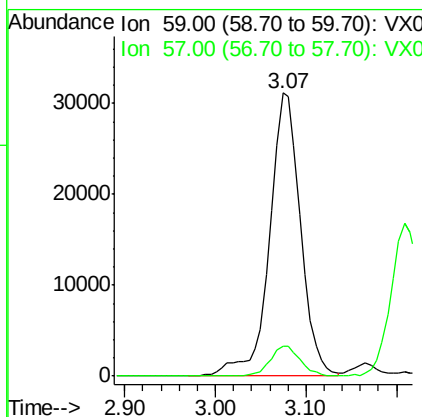
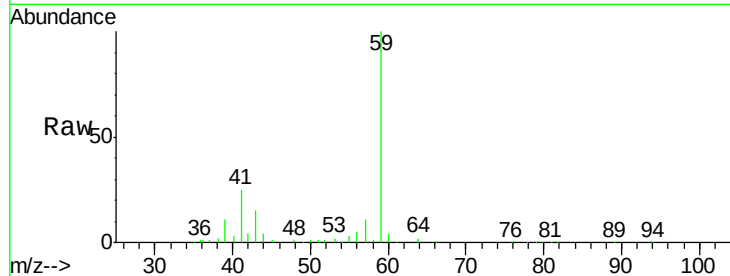
Tert butyl alcohol
 Concen: 109.80 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	59	57	Ratio	100	10.3	Resp	73784	Lower	8.2	Upper	12.4
Ion											

Manual Integrations
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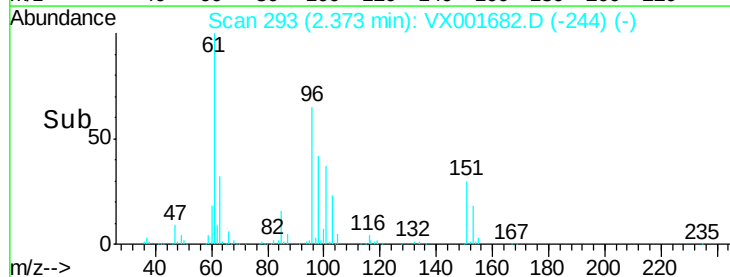
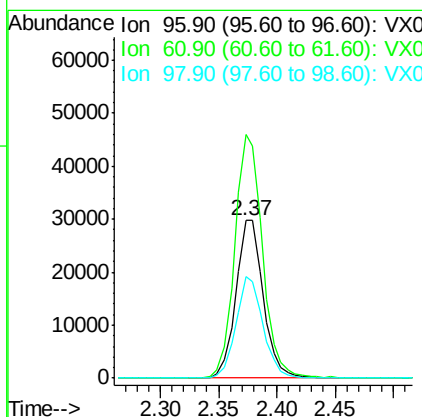
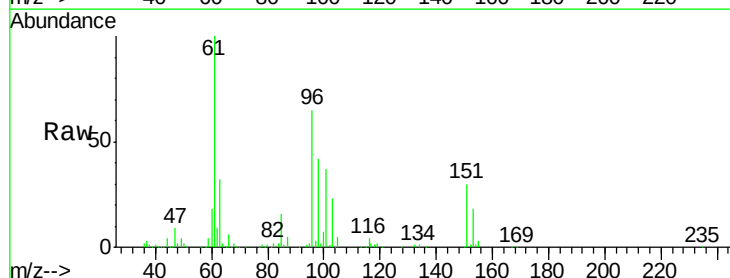
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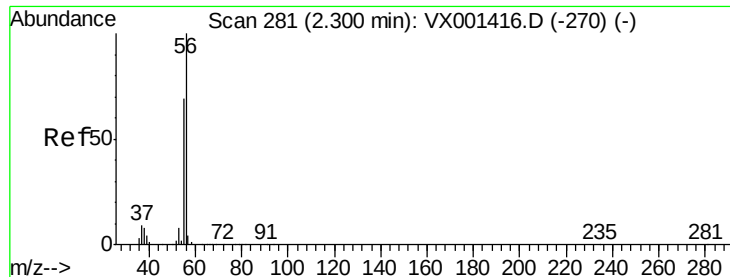


#12

1,1-Dichloroethene
 Concen: 19.87 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	96	61	98	Ratio	100	154.7	64.5	Resp	48767	Lower	125.7	52.0	Upper	188.5	78.0
Ion															





#13

Acrolein

Concen: 61.55 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 56 Resp: 9319

Ion Ratio Lower Upper

56 100

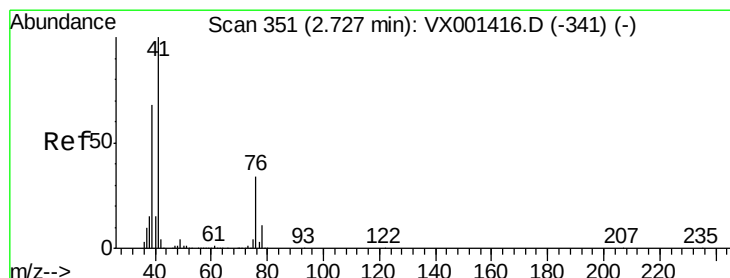
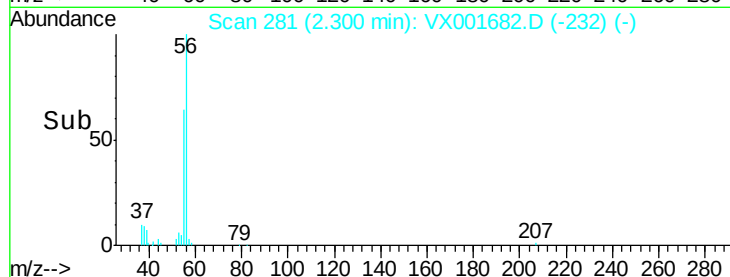
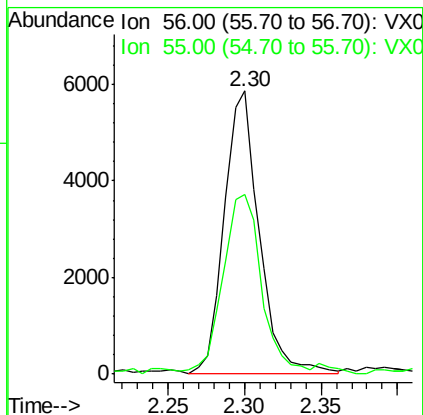
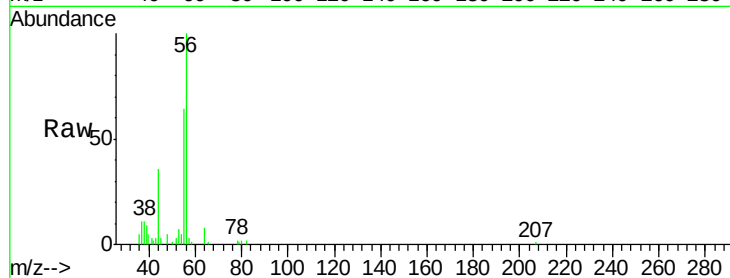
55 69.8 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 20.29 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

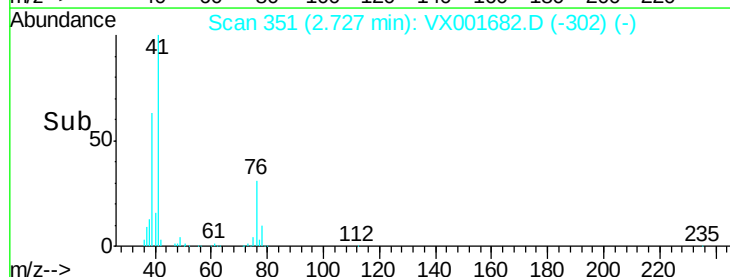
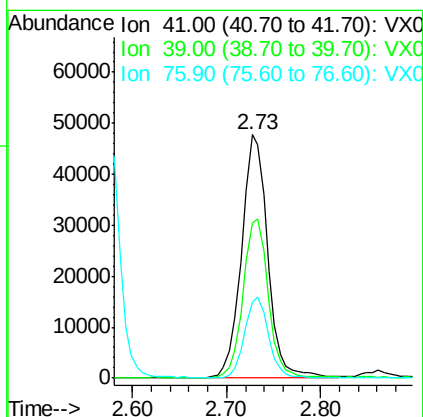
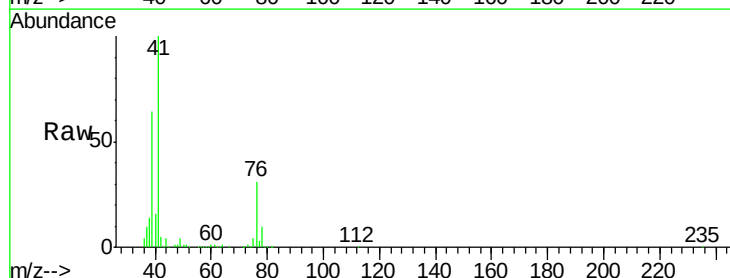
Tgt Ion: 41 Resp: 92825

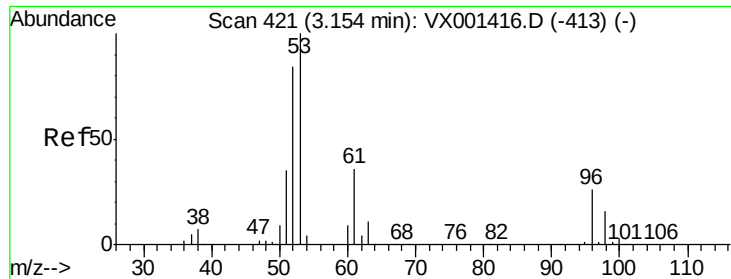
Ion Ratio Lower Upper

41 100

39 62.7 52.4 78.6

76 30.8 25.8 38.6





#15

Acrylonitrile

Concen: 104.49 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

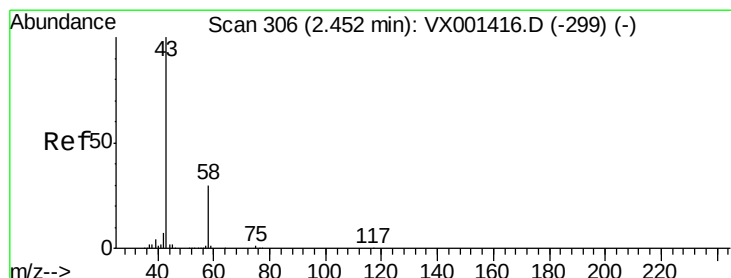
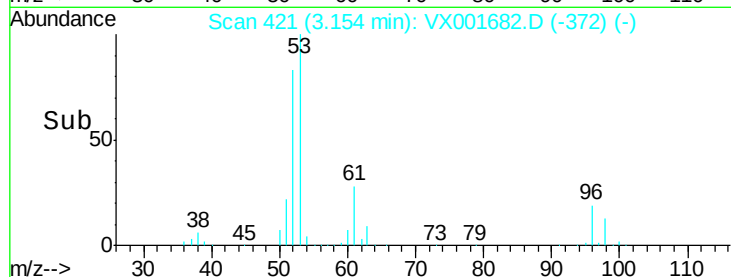
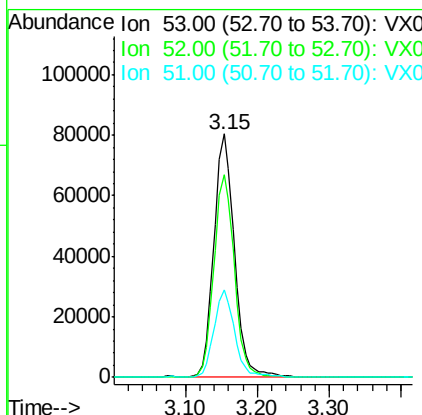
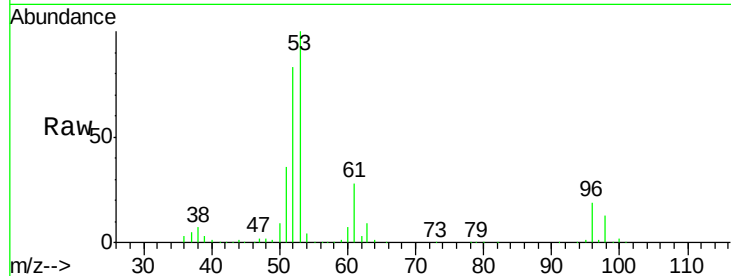
ClientSampled :

VX0512WBS02

Tot Ion:	53	Resp:	158667
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.2
51	36.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 98.93 ug/l

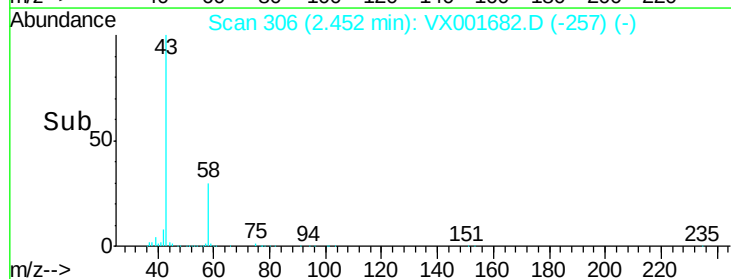
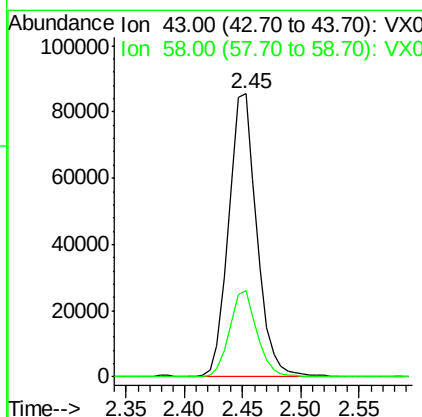
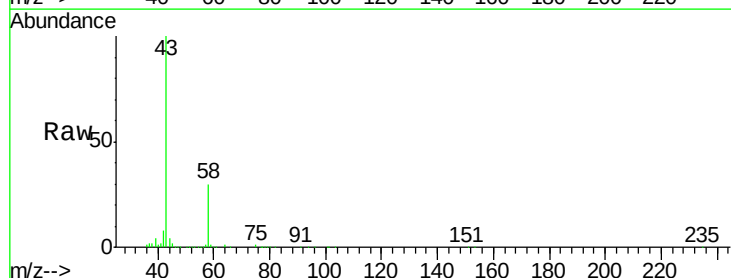
RT: 2.45 min Scan# 306

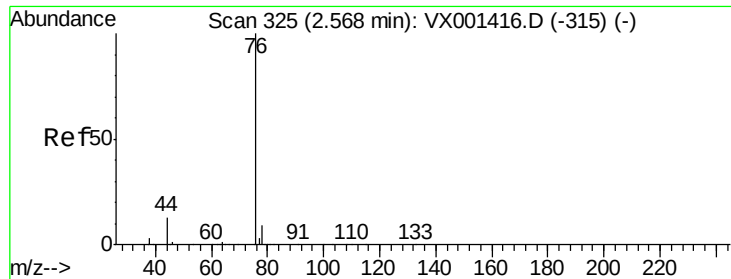
Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	43	Resp:	143180
Ion Ratio	Lower	Upper	
43	100		
58	30.3	23.8	35.8





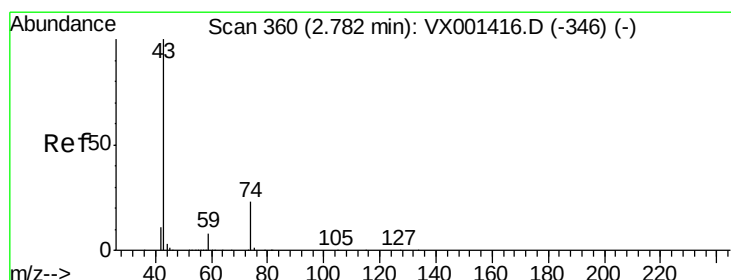
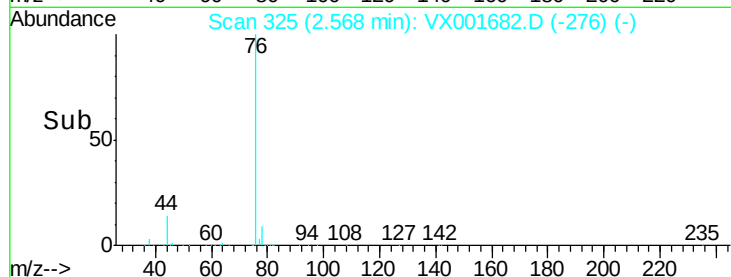
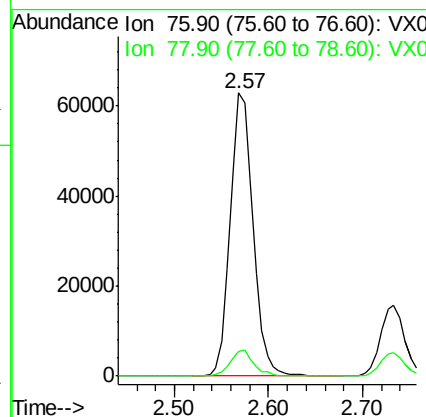
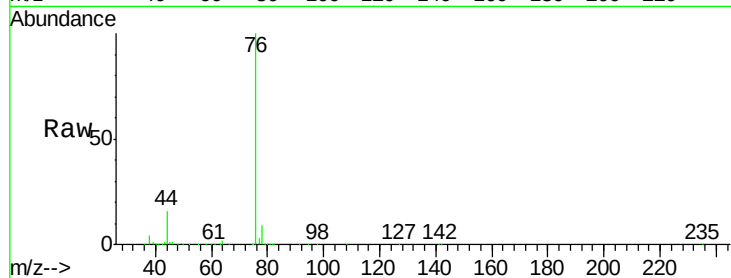
#17
Carbon Disulfide
Concen: 17.01 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

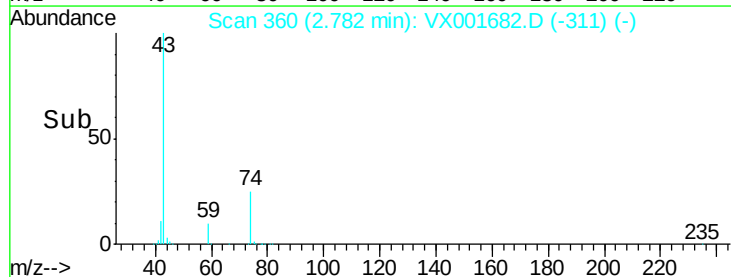
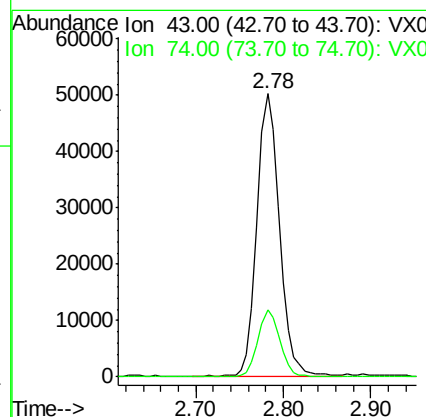
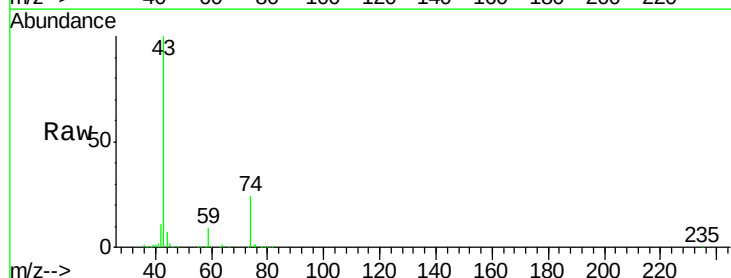
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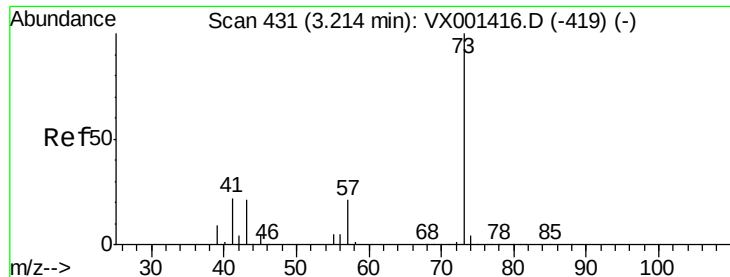
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#18
Methyl Acetate
Concen: 23.66 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	27.8





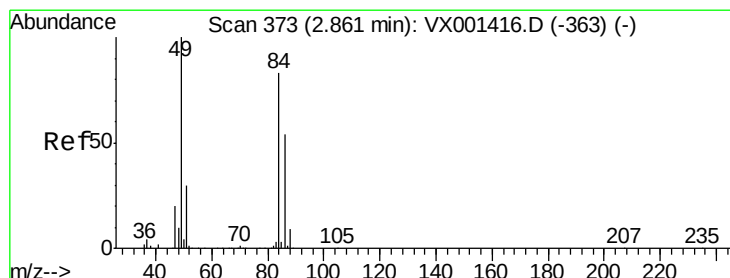
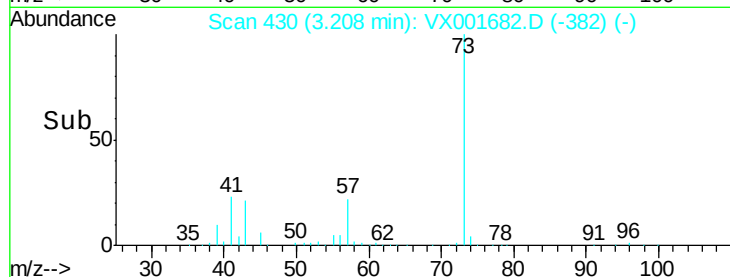
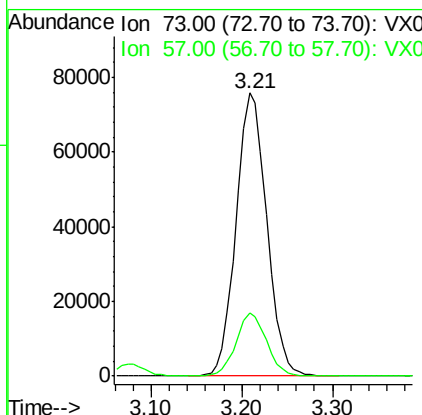
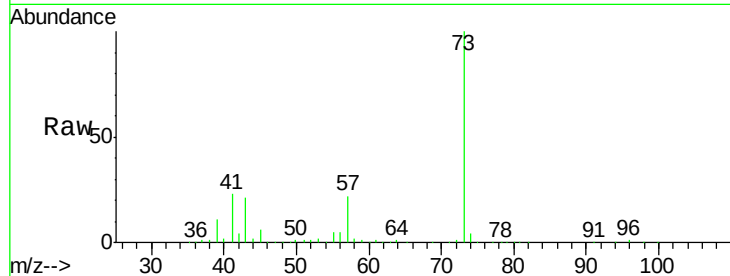
#19
Methyl tert-butyl Ether
Concen: 20.88 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.0	25.6

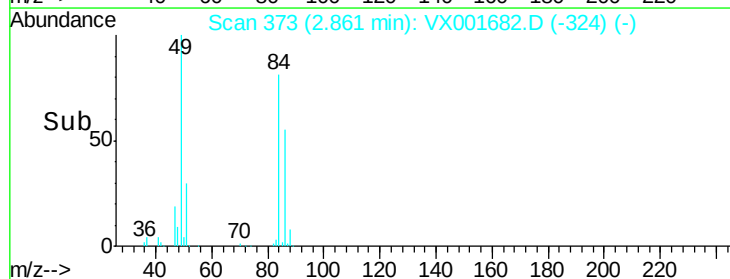
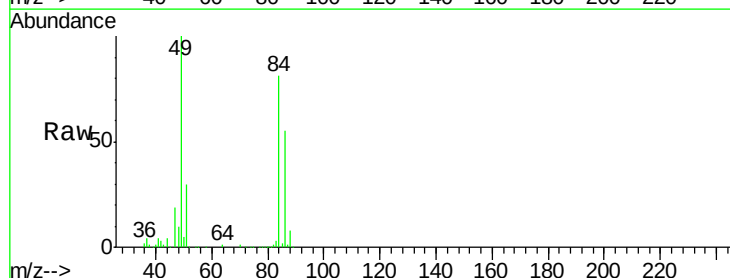
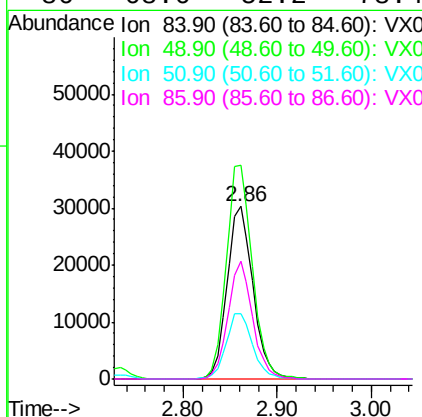
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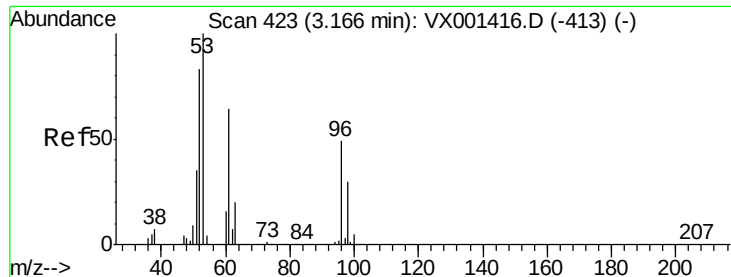
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#20
Methylene Chloride
Concen: 20.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	96.6	144.8
51	37.7	29.0	43.4
86	68.6	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 18.94 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

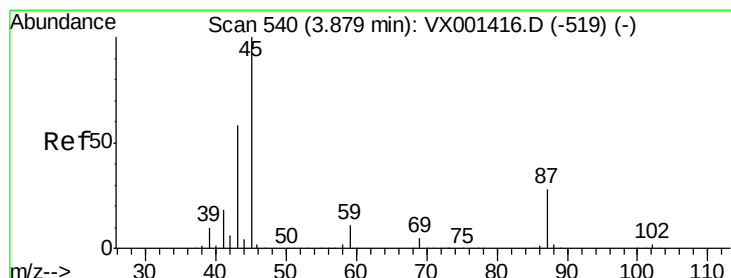
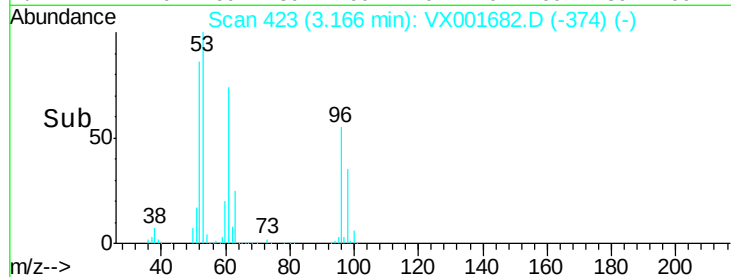
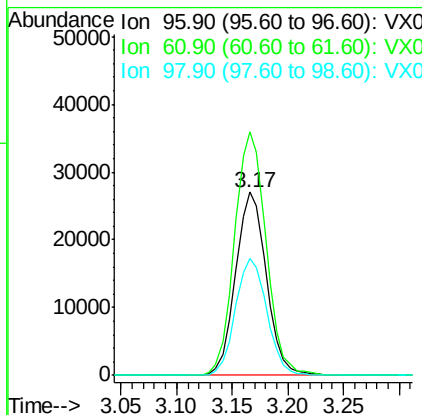
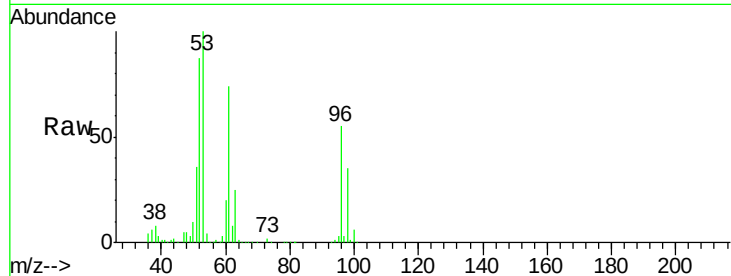
ClientSampleId :

VX0512WBS02

Tot Ion:	96	Resp:	51869
Ion	Ratio	Lower	Upper
96	100		
61	133.0	105.0	157.4
98	64.1	49.9	74.9

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#22

Diisopropyl ether

Concen: 20.86 ug/l

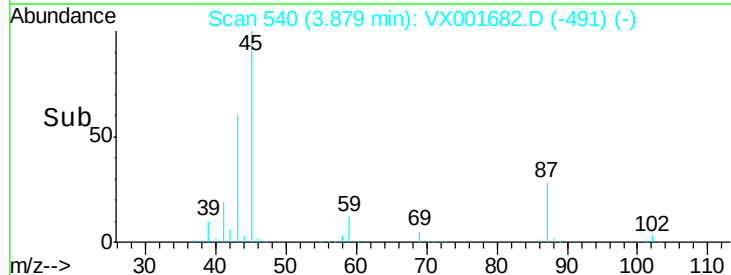
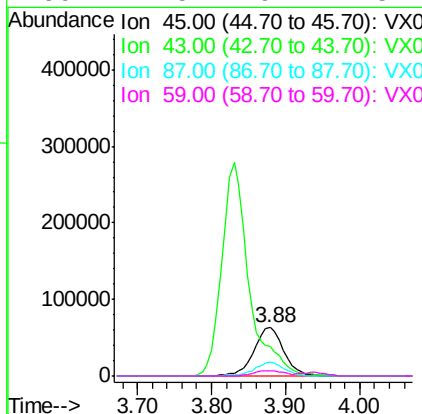
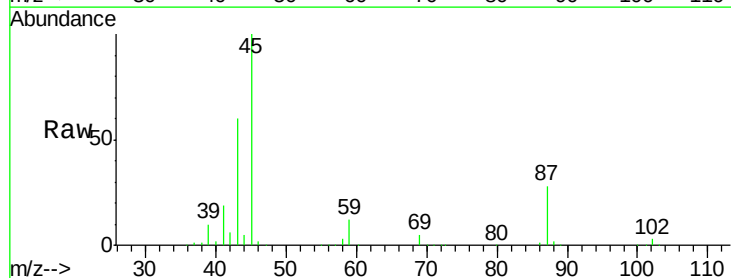
RT: 3.88 min Scan# 540

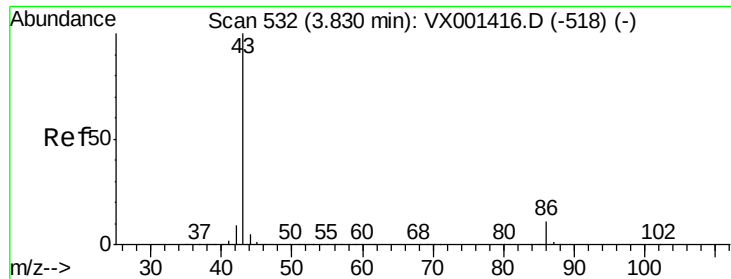
Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	45	Resp:	178270
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.5	69.7
87	28.1	22.6	34.0
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 100.44 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 43 Resp: 71537

Ion Ratio Lower Upper

43 100

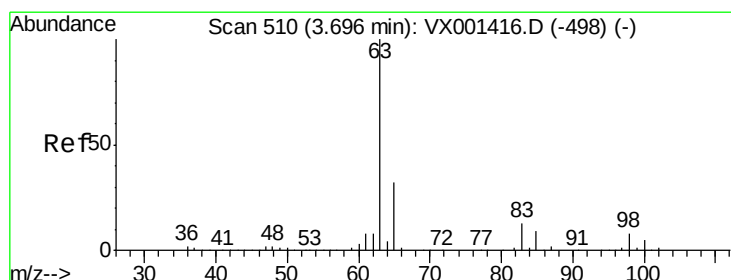
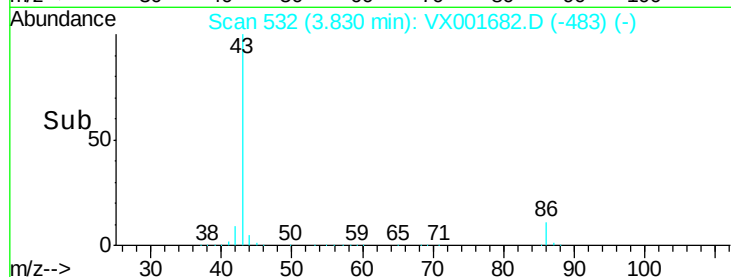
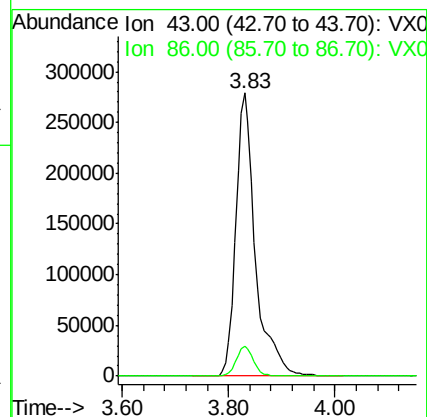
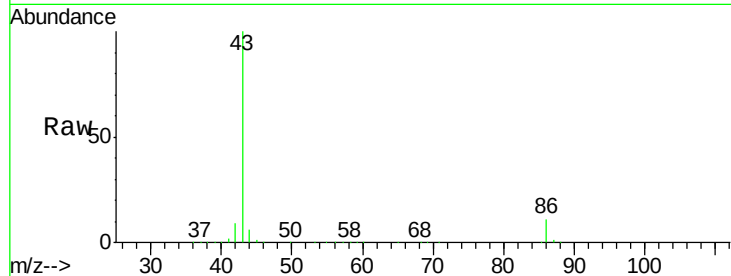
86 10.6 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 20.28 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

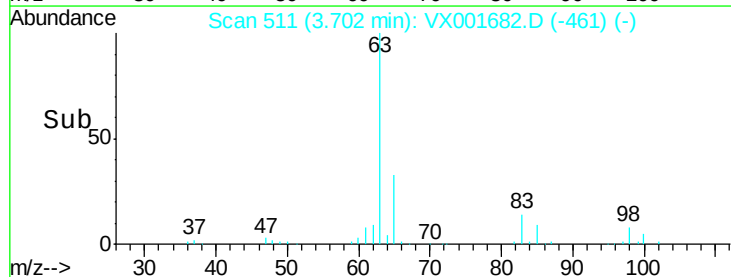
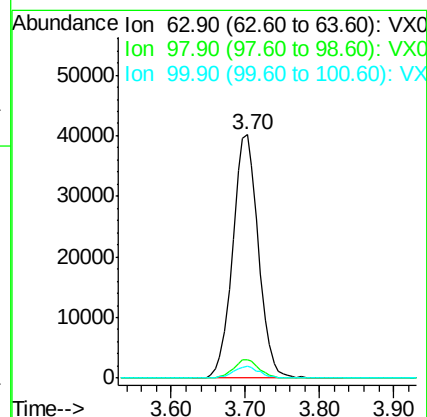
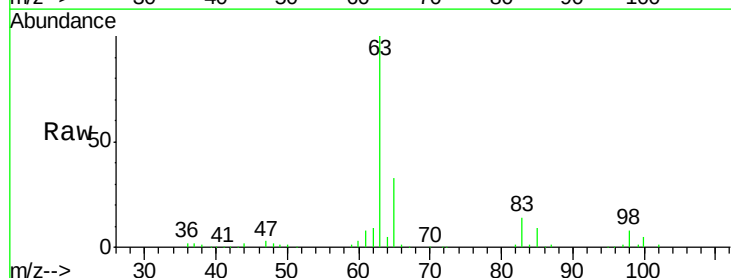
Tgt Ion: 63 Resp: 96826

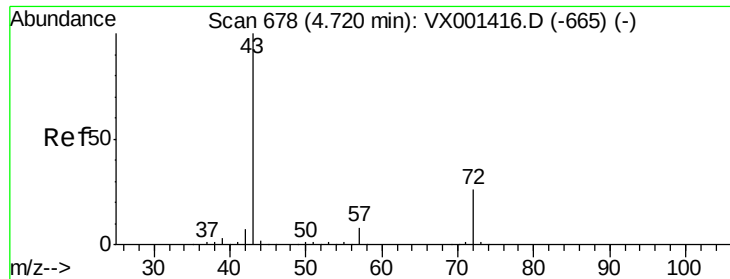
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

100 5.1 2.4 7.1





#25

2-Butanone

Concen: 102.29 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 43 Resp: 213983

Ion Ratio Lower Upper

43 100

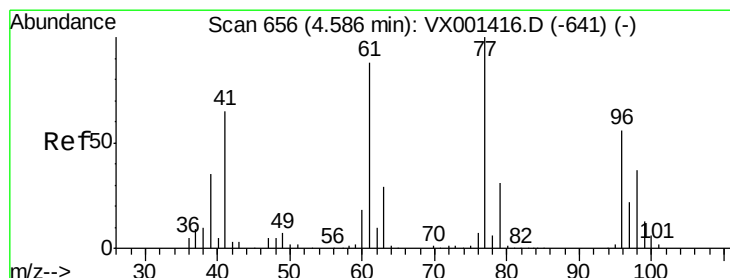
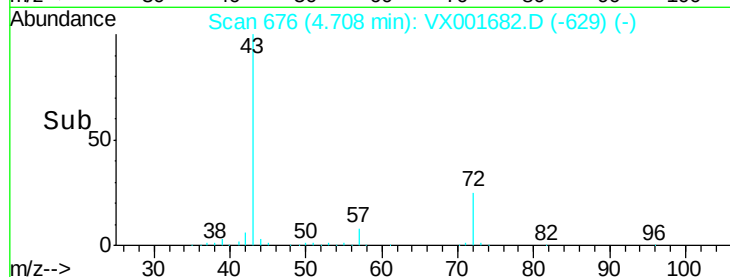
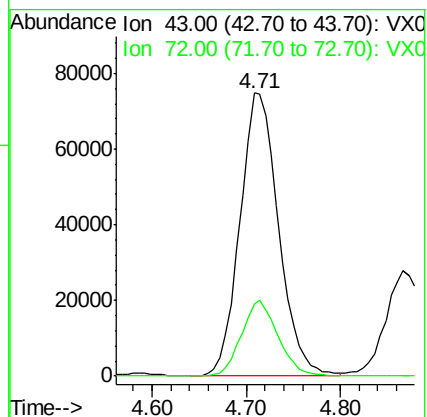
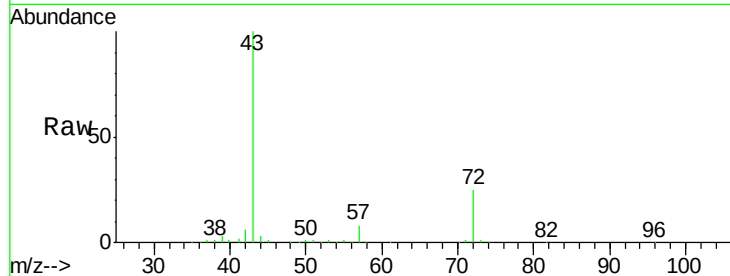
72 25.5 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.43 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001682.D

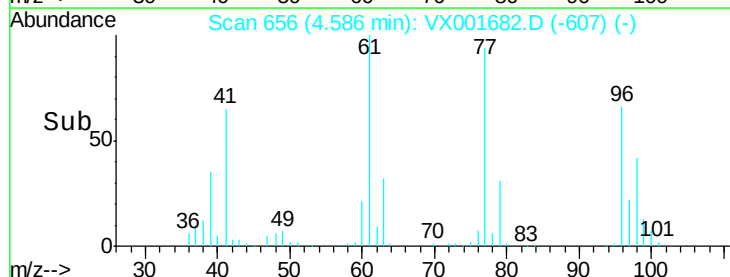
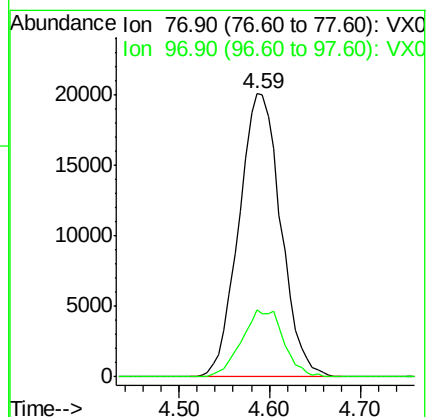
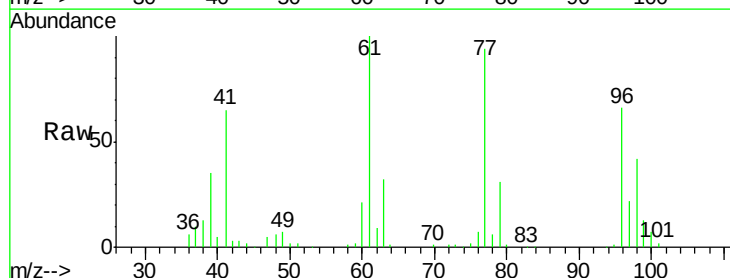
Acq: 12 May 2018 22:28

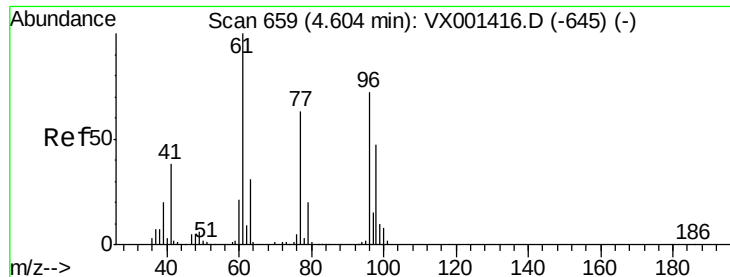
Tgt Ion: 77 Resp: 64272

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.71 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

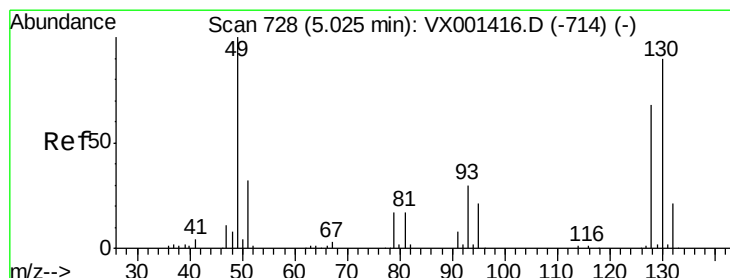
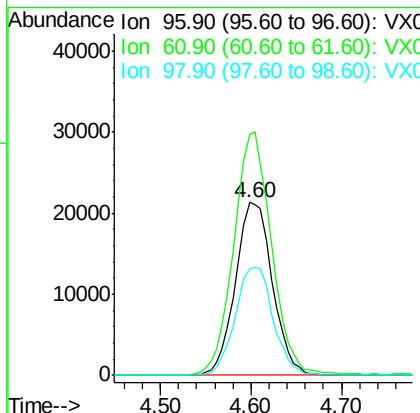
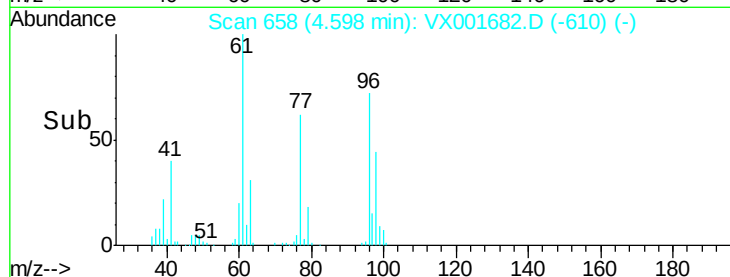
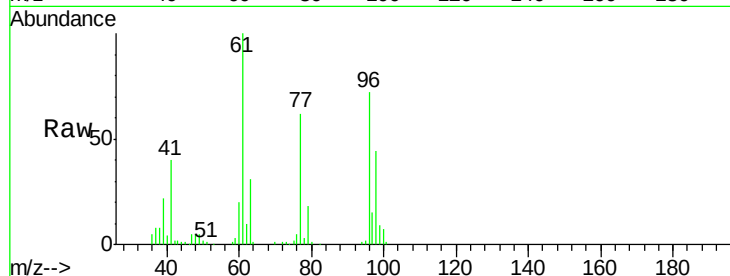
ClientSampleId :

VX0512WBS02

Tot Ion:	96	Resp:	60392
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	301.6
98	64.1	0.0	131.6

Manual Integrations
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#28

Bromochloromethane

Concen: 23.19 ug/l

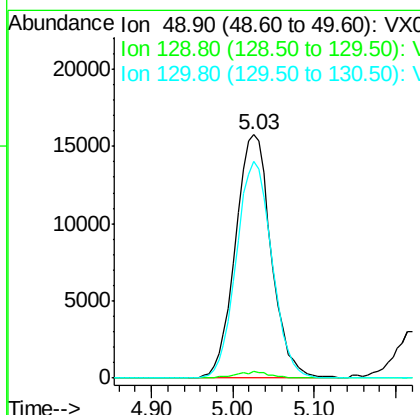
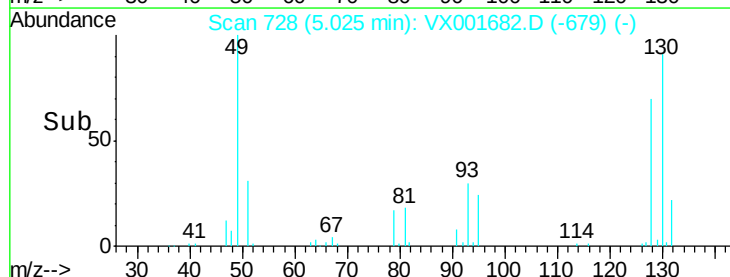
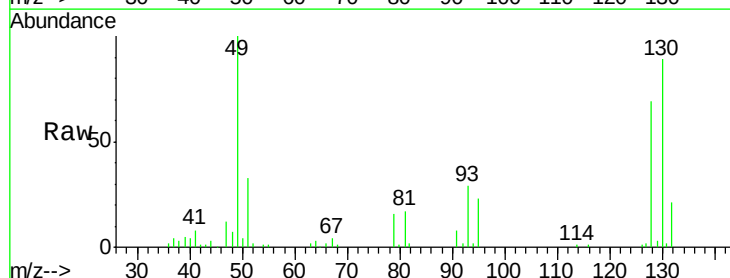
RT: 5.03 min Scan# 728

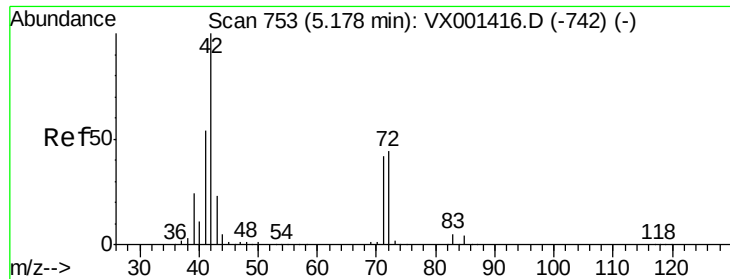
Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	49	Resp:	48016
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	88.3	71.9	107.9





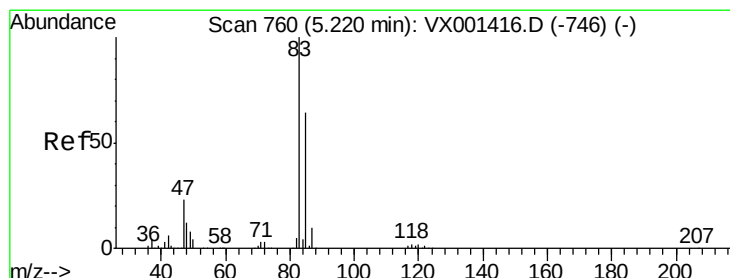
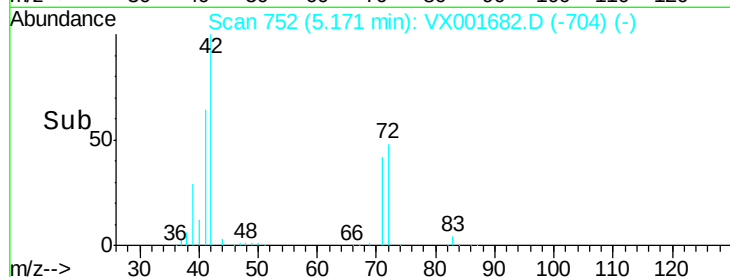
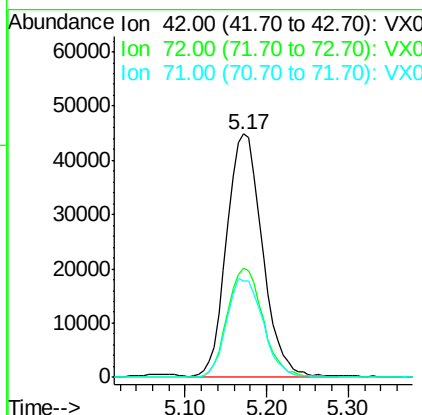
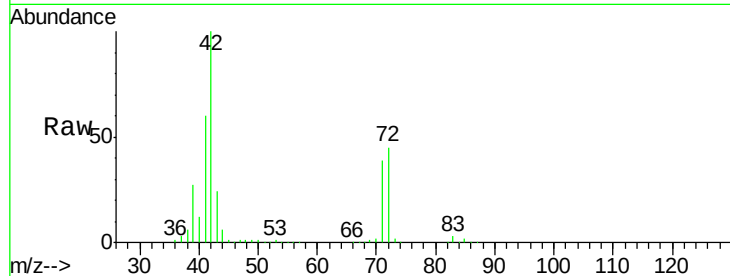
#29
Tetrahydrofuran
Concen: 100.93 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.4	53.2
71	41.7	33.0	49.4

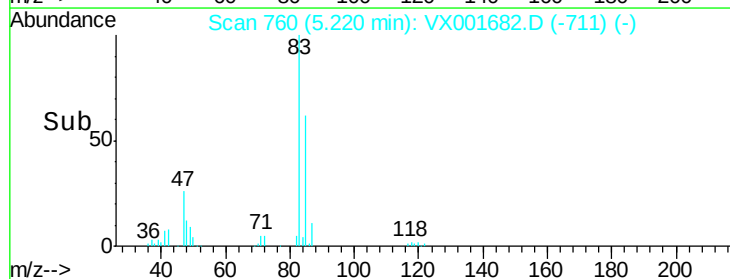
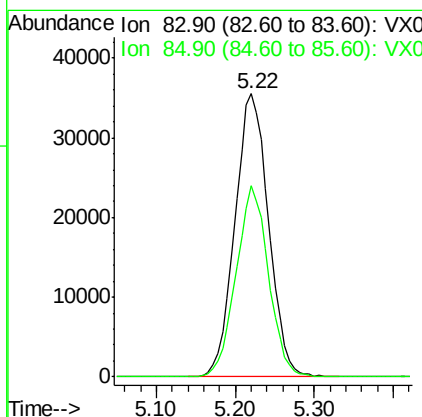
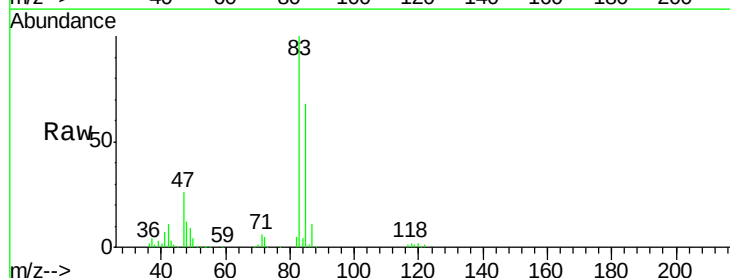
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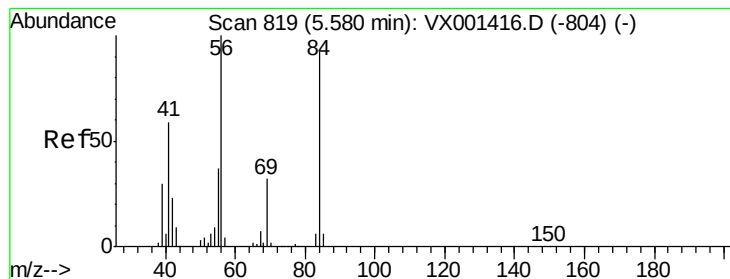
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#30
Chloroform
Concen: 21.39 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.4





#31

Cyclohexane

Concen: 19.09 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 56 Resp: 78278

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

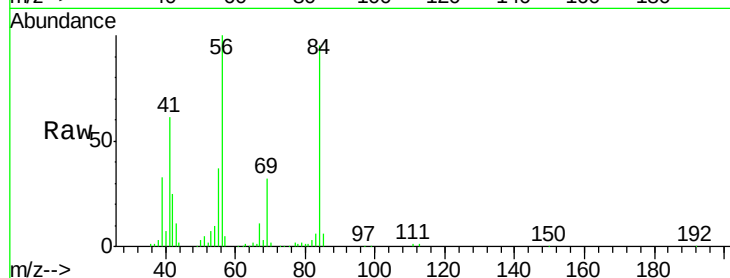
84 92.3 73.8 110.8

Manual Integrations

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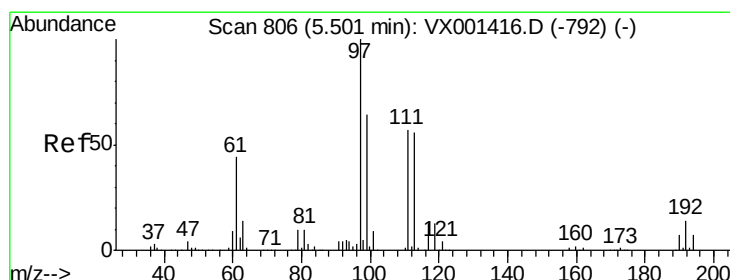
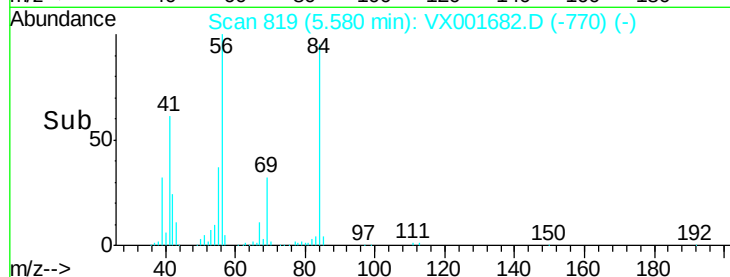
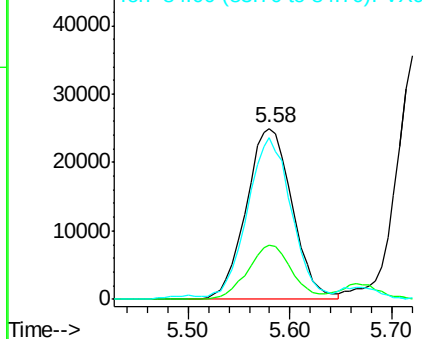
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.27 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

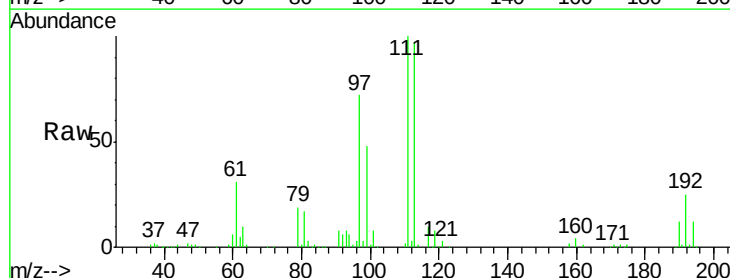
Tgt Ion: 97 Resp: 91424

Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

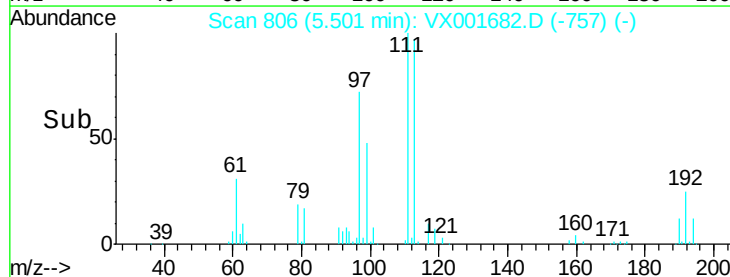
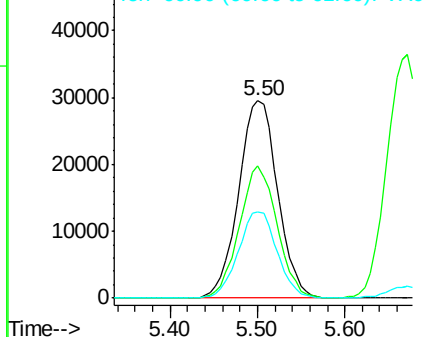
61 43.5 34.8 52.2

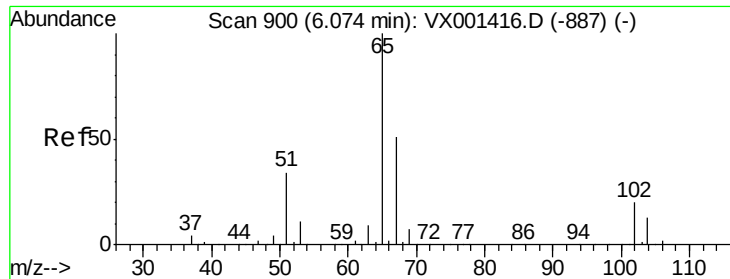


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





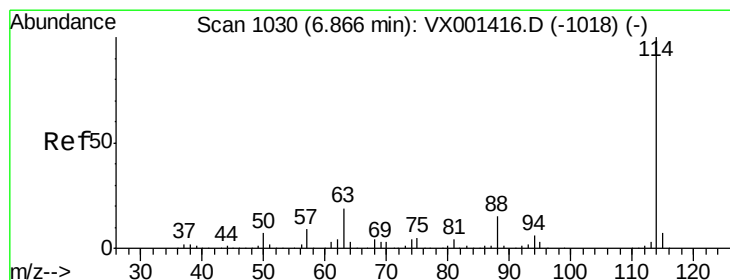
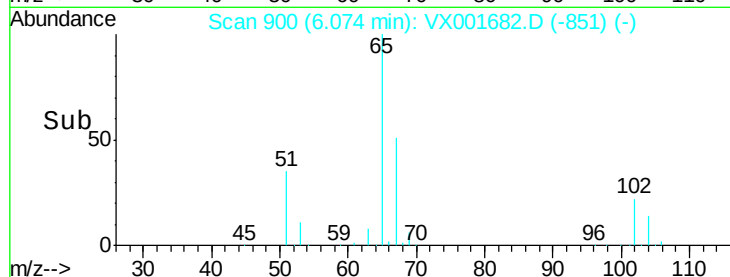
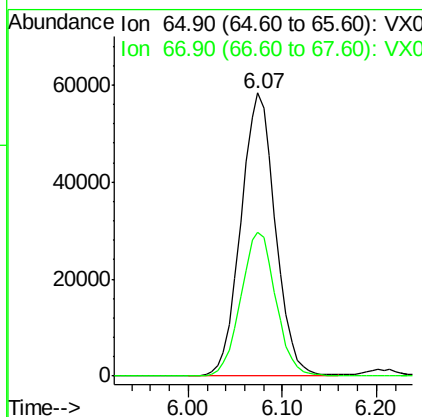
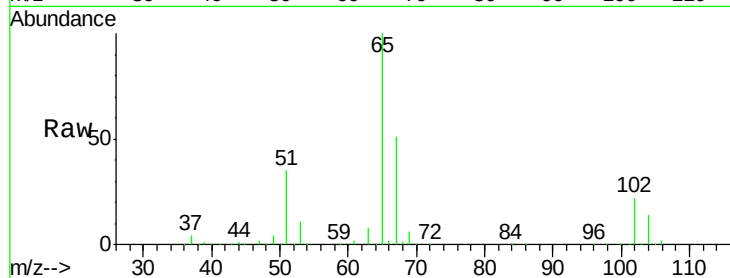
#33
 1,2-Dichloroethane-d4
 Concen: 46.96 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149684		
67	51.5	0.0	101.8	

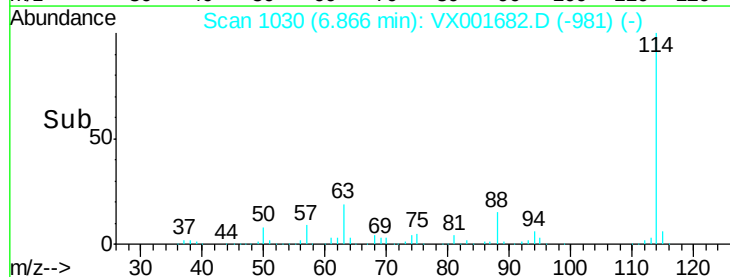
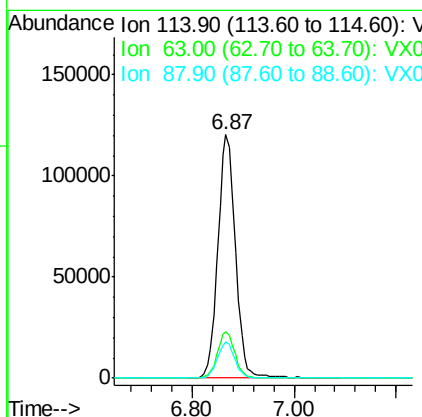
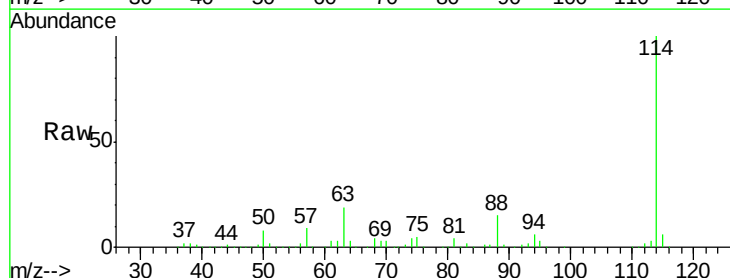
Manual Integrations
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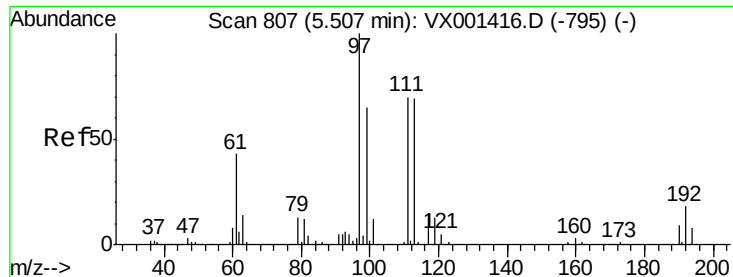
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	288964		
63	19.3	0.0	38.6	
88	15.0	0.0	30.8	





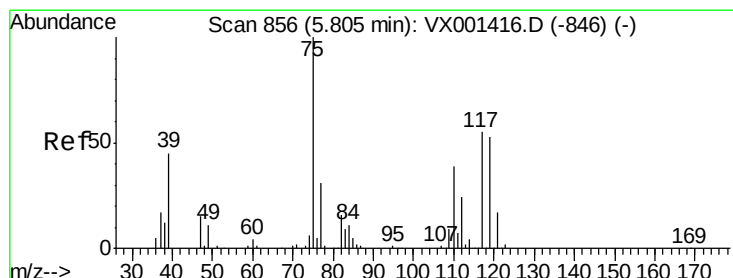
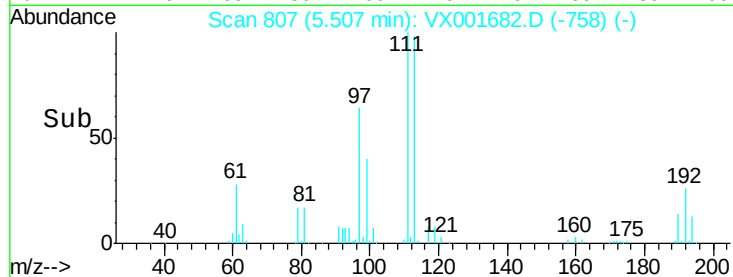
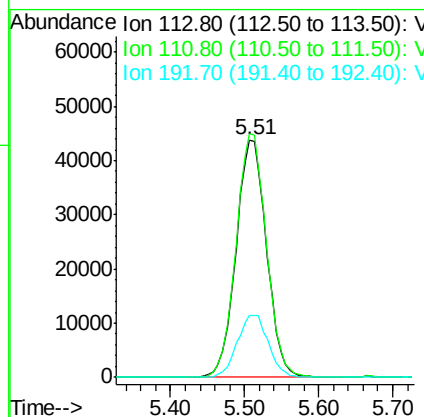
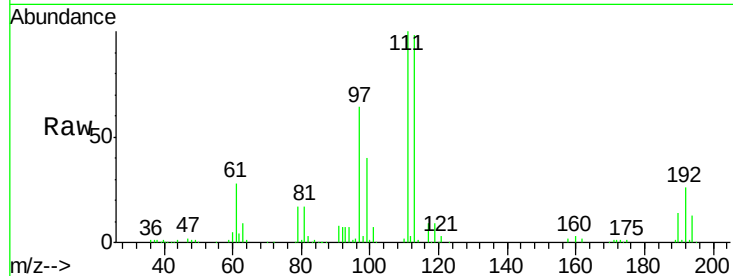
#35
 Dibromofluoromethane
 Concen: 48.92 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125740		
111	102.3	82.2	123.2	
192	26.7	21.4	32.0	

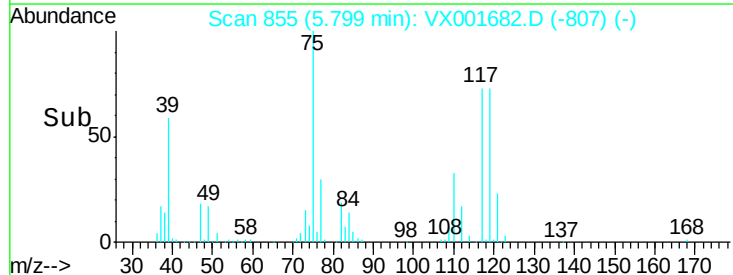
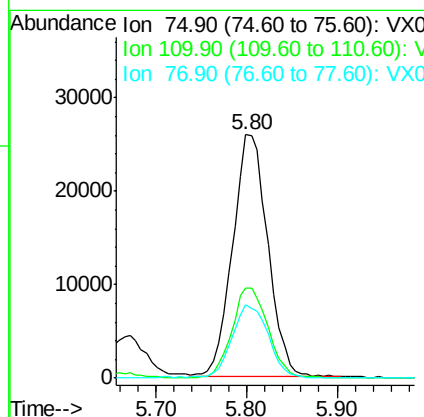
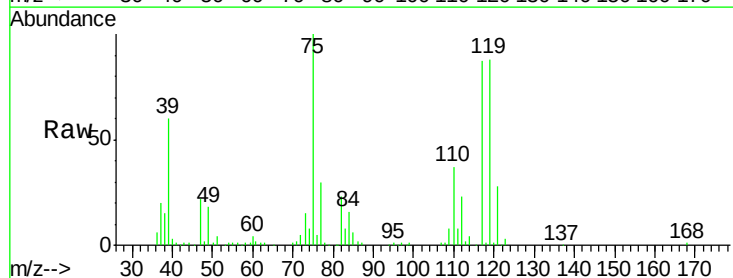
Manual Integrations
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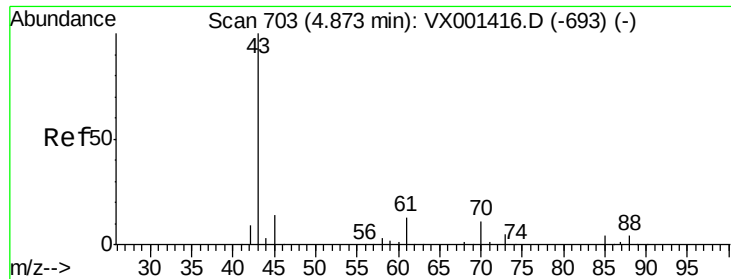
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#36
 1,1-Dichloropropene
 Concen: 18.98 ug/l
 RT: 5.80 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69773		
110	38.3	18.9	56.7	
77	31.4	24.9	37.3	





#37

Ethyl Acetate

Concen: 20.34 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

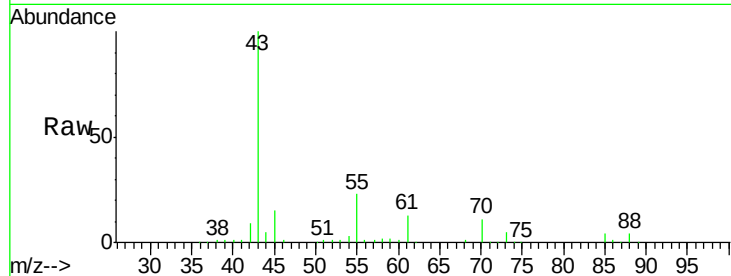
ClientSampleId :

VX0512WBS02

Tot Ion:	43	Resp:	81952
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.8	8.4	12.6

Manual Integrations
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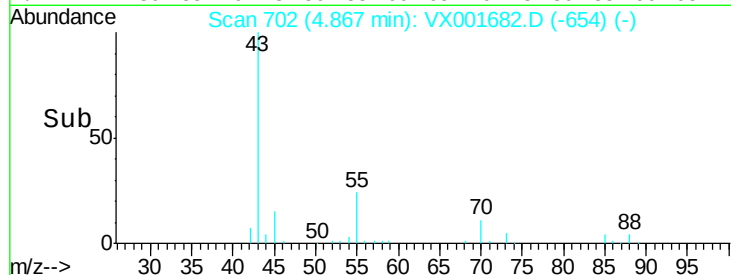


Abundance Ion 43.00 (42.70 to 43.70): VX001416.D (-693) (-)

Ion 60.90 (60.60 to 61.60): VX001416.D (-693) (-)

Ion 70.00 (69.70 to 70.70): VX001416.D (-693) (-)

Time-->



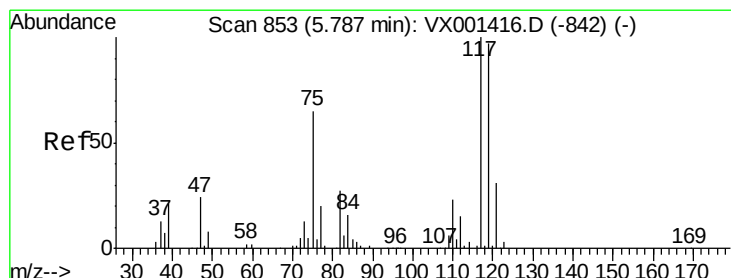
Abundance

Ion 43.00 (42.70 to 43.70): VX001682.D (-654) (-)

Ion 60.90 (60.60 to 61.60): VX001682.D (-654) (-)

Ion 70.00 (69.70 to 70.70): VX001682.D (-654) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 20.20 ug/l

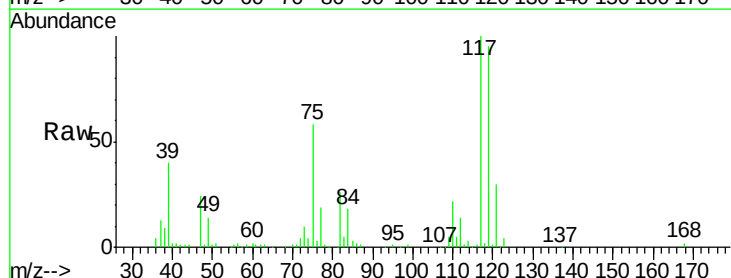
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	117	Resp:	79172
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.6
121	30.5	25.1	37.7

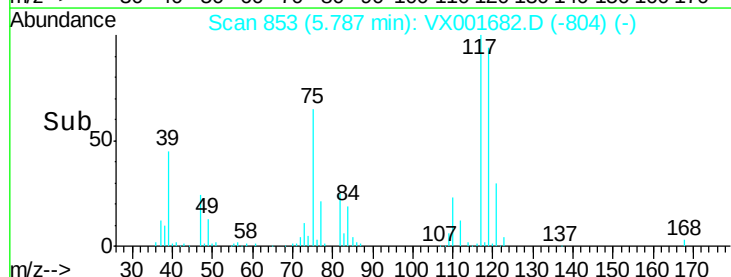


Abundance Ion 116.80 (116.50 to 117.50): VX001416.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX001416.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX001416.D (-842) (-)

Time-->



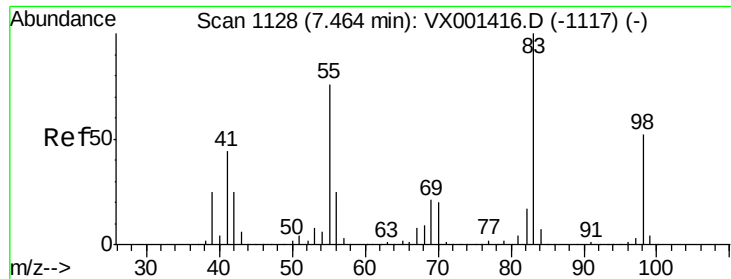
Abundance

Ion 116.80 (116.50 to 117.50): VX001682.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX001682.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX001682.D (-804) (-)

Time-->



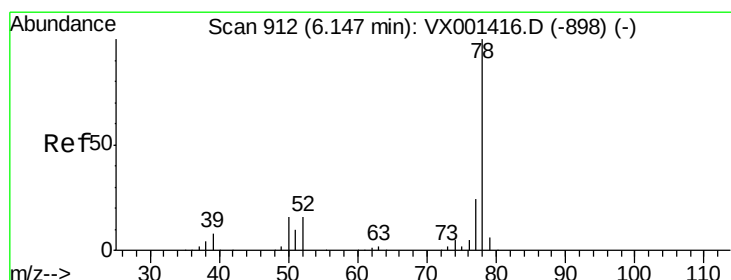
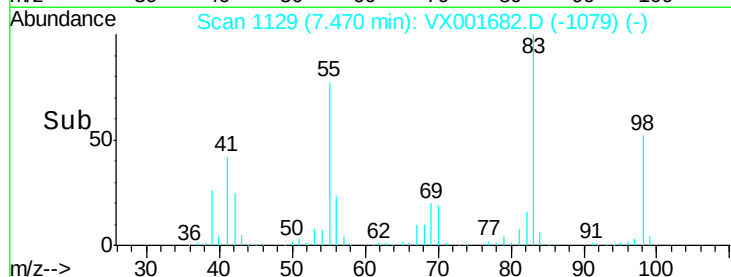
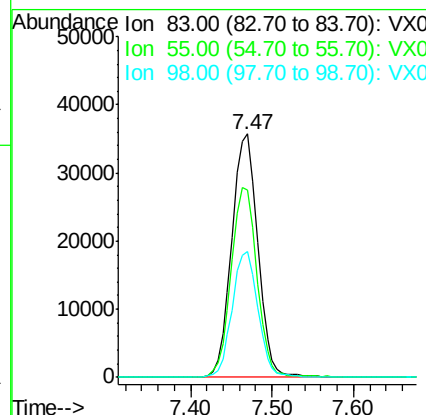
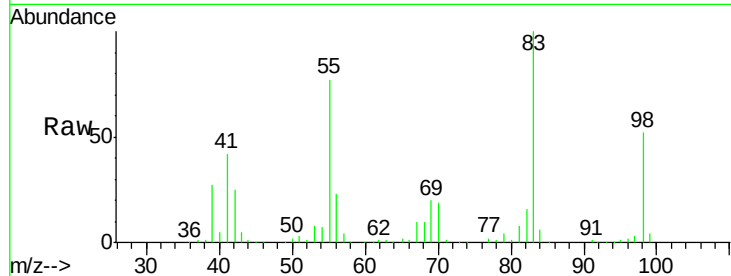
#39
Methylvlcyclohexane
Concen: 18.19 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	60.9	91.3
98	51.6	41.9	62.9

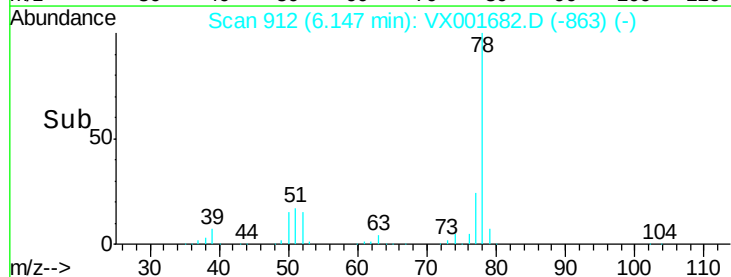
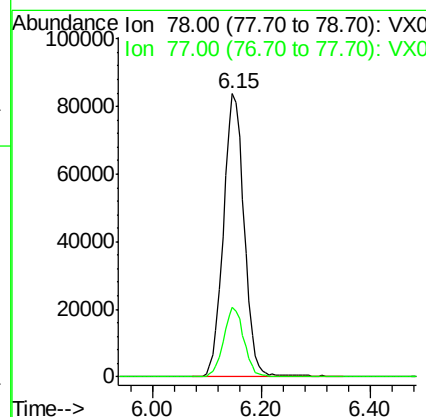
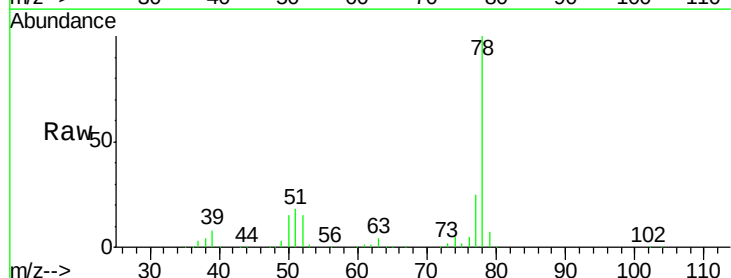
Manual Integrations
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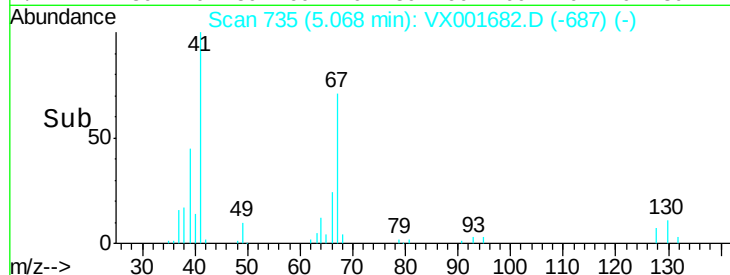
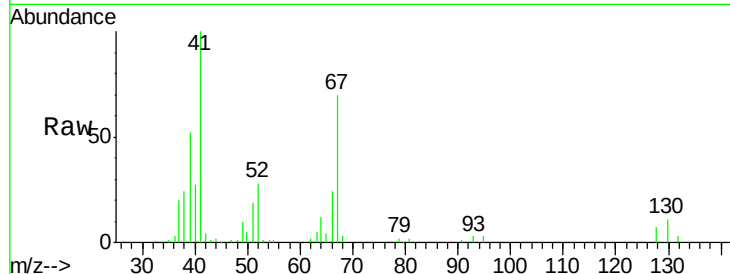
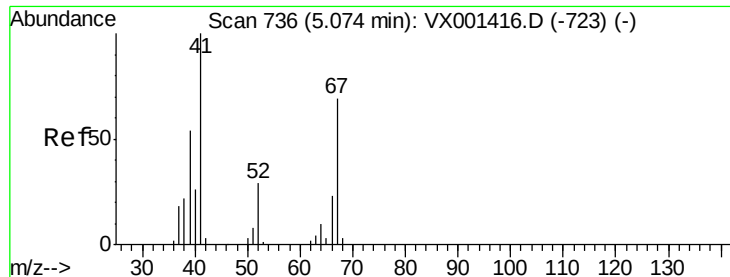
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#40
Benzene
Concen: 20.75 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.2





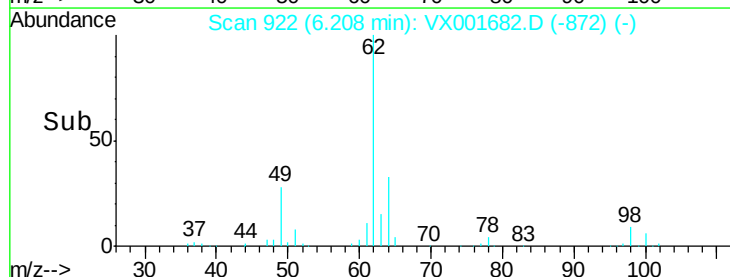
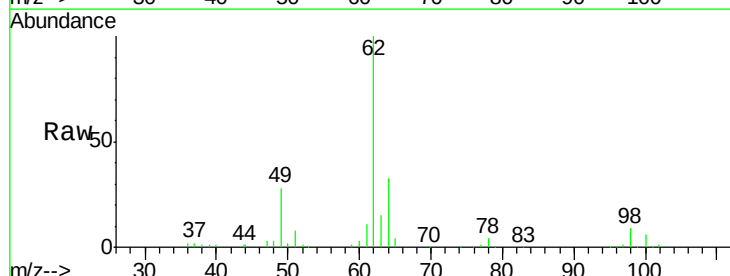
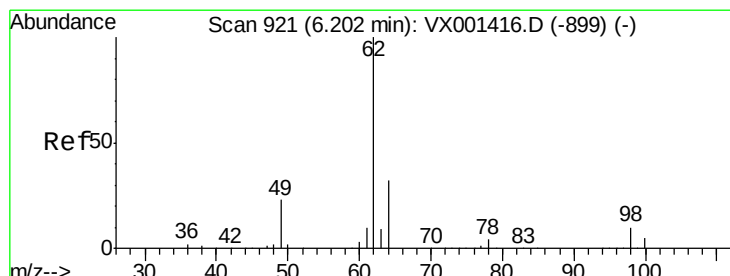
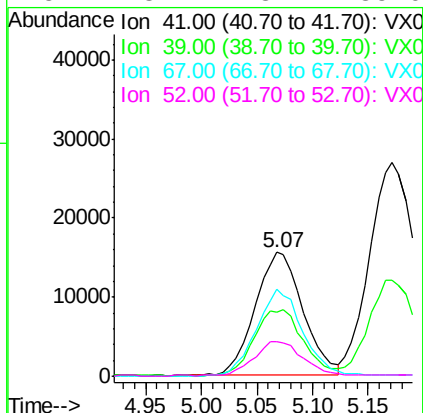
#41
Methacrylonitrile
Concen: 20.20 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.0	67.6	
67	69.2	55.0	82.6	
52	28.1	23.4	35.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

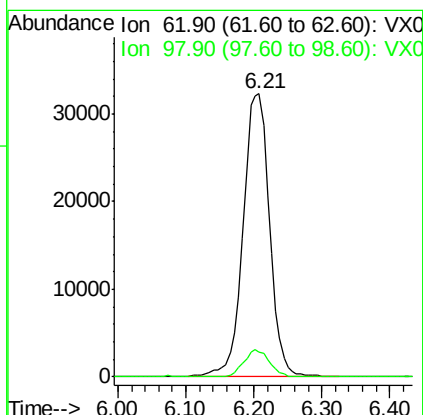
Manual Integrations
APPROVED

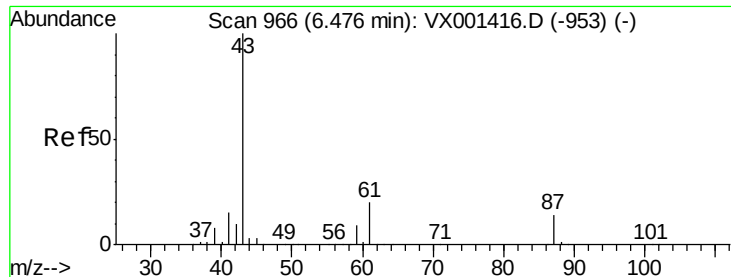
apatel
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#42
1,2-Dichloroethane
Concen: 21.17 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.0	





#43

Isopropyl Acetate

Concen: 20.07 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

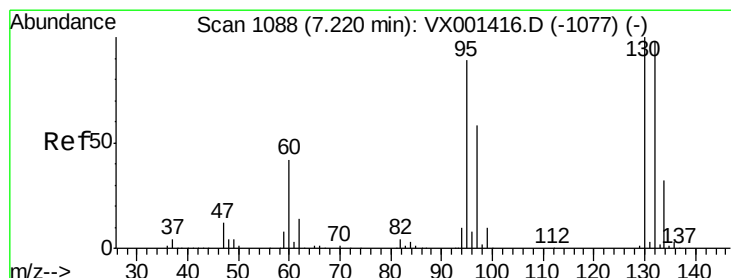
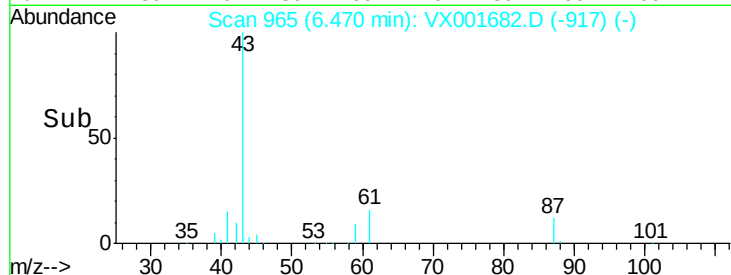
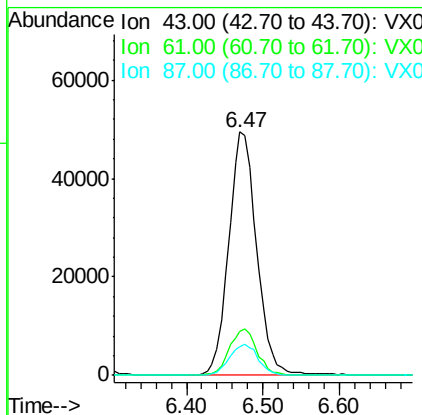
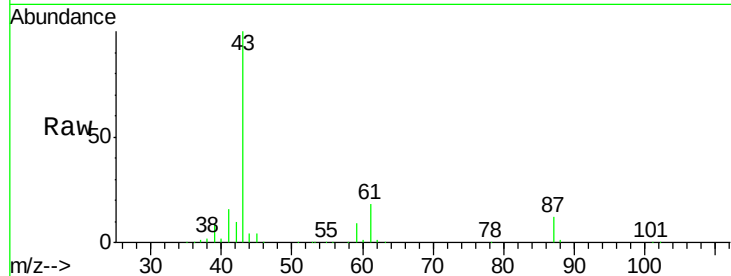
ClientSampleId :

VX0512WBS02

Tot Ion:	43	Resp:	124112
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	13.1	10.8	16.2

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#44

Trichloroethene

Concen: 20.45 ug/l

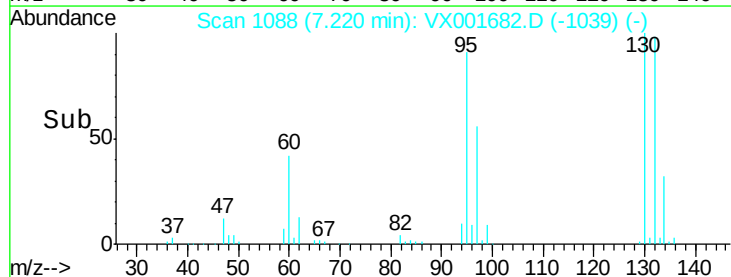
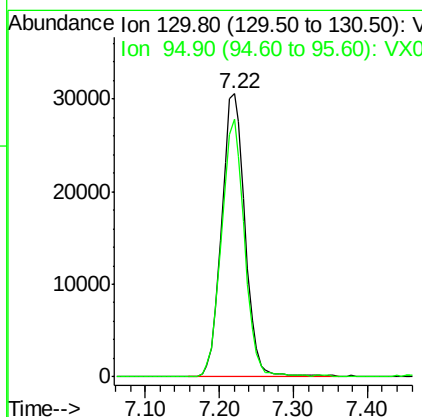
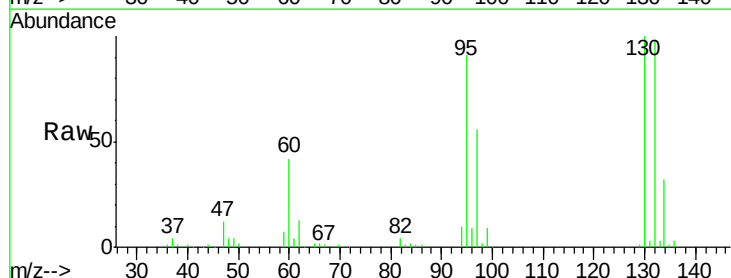
RT: 7.22 min Scan# 1088

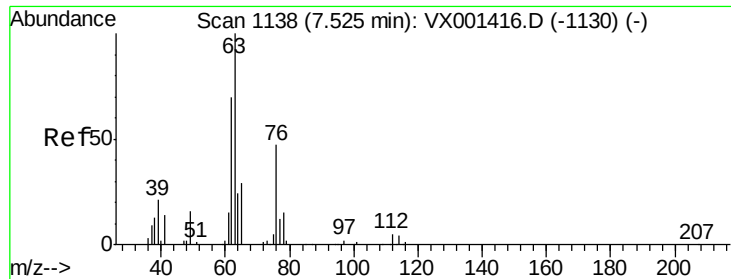
Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	130	Resp:	67117
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	178.4





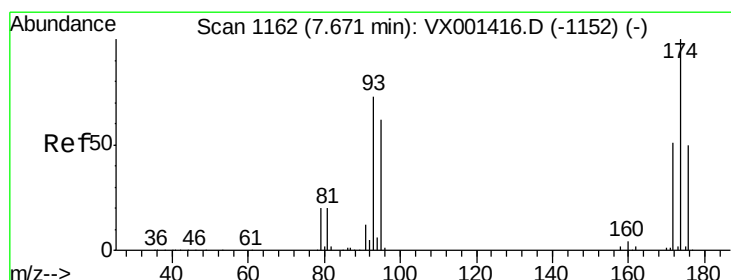
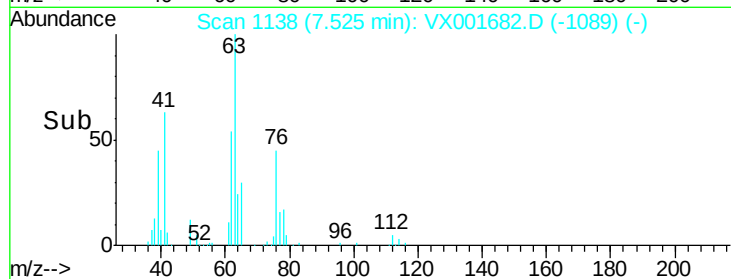
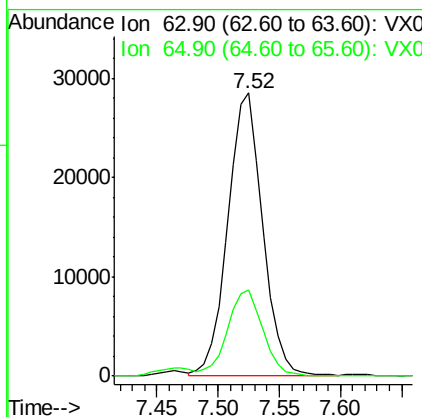
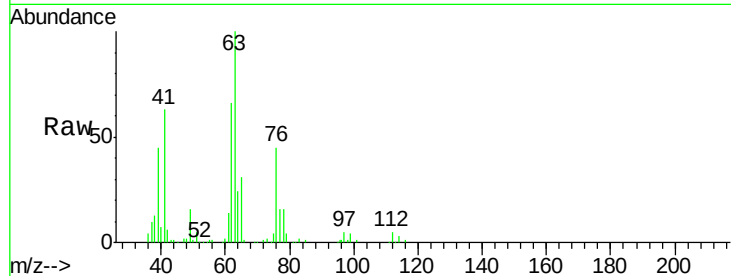
#45
 1,2-Dichloropropane
 Concen: 20.95 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion: 63 Resp: 56072
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.5 36.7

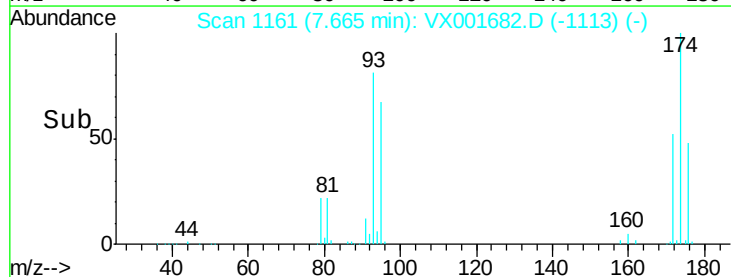
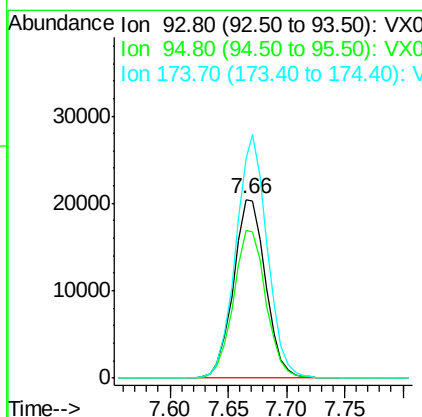
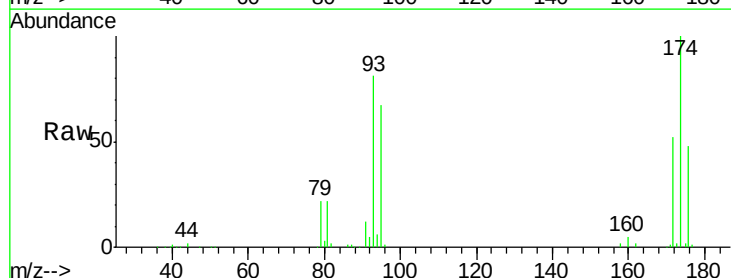
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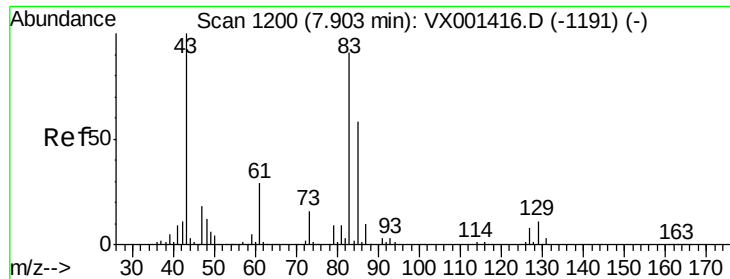
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#46
 Dibromomethane
 Concen: 20.88 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion: 93 Resp: 39561
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 131.8 104.5 156.7





#47

Bromodichloromethane

Concen: 21.33 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

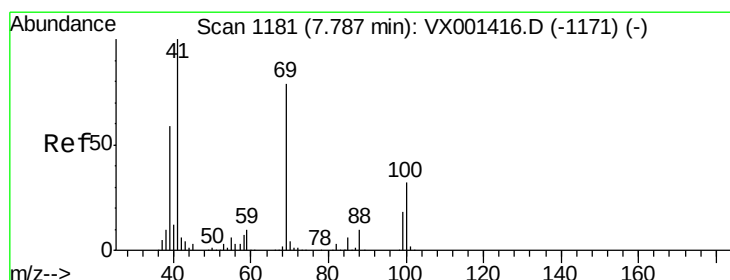
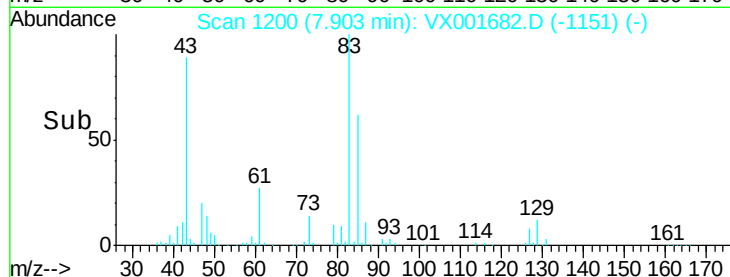
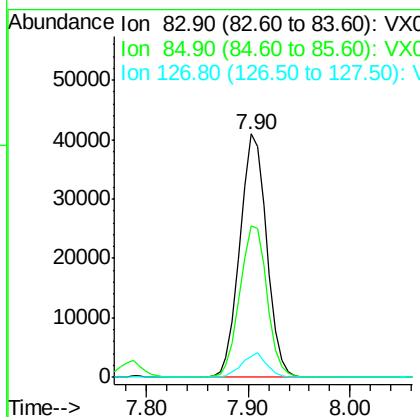
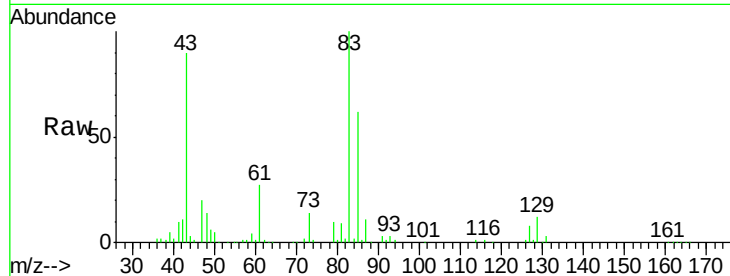
ClientSampled :

VX0512WBS02

Tot Ion:	83	Resp:	74816
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.6
127	8.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.98 ug/l

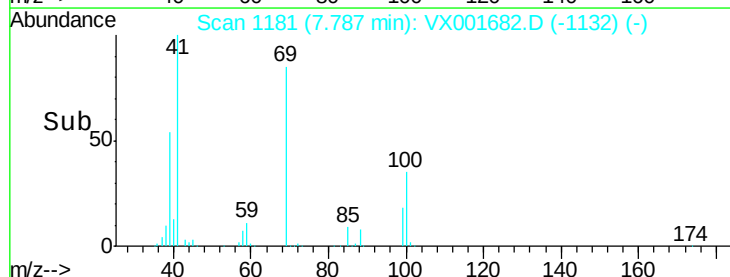
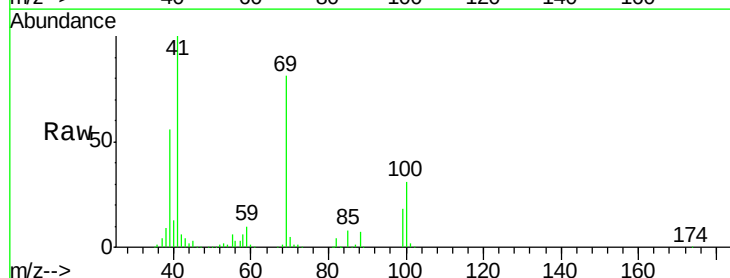
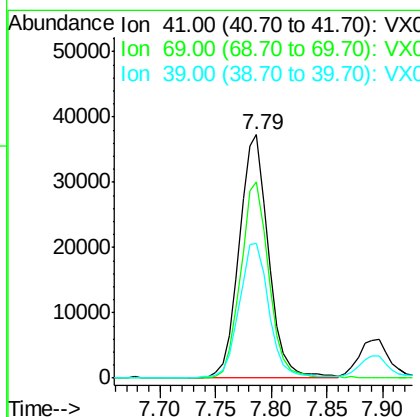
RT: 7.79 min Scan# 1181

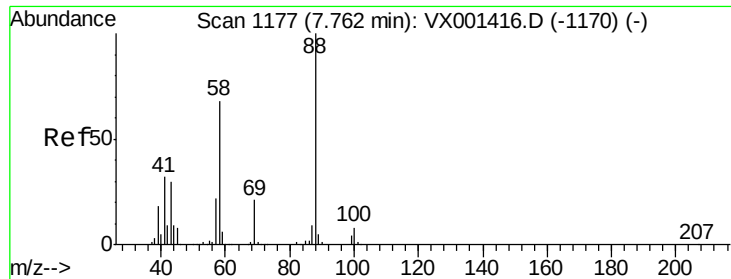
Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion:	41	Resp:	67306
Ion	Ratio	Lower	Upper
41	100		
69	79.0	63.4	95.2
39	56.3	47.0	70.4





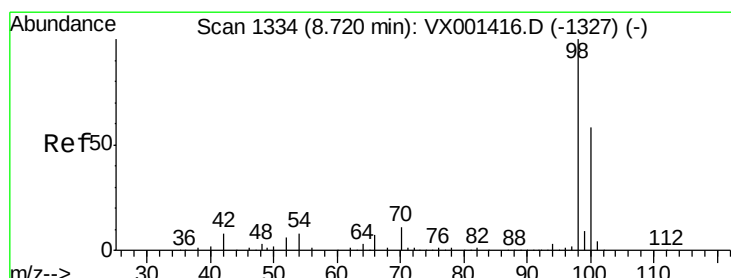
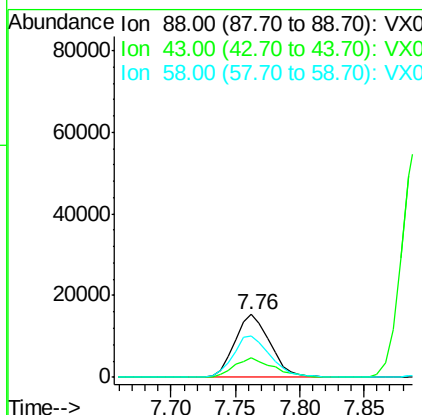
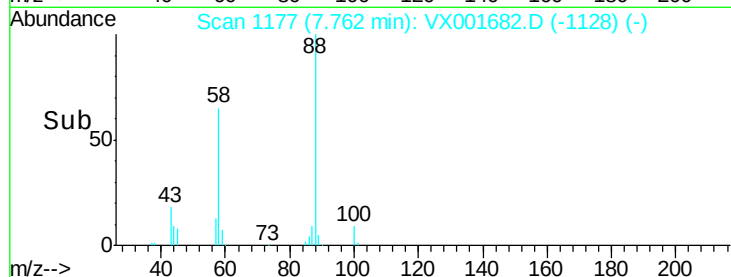
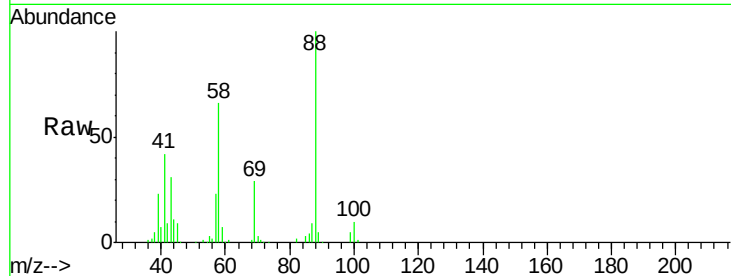
#49
 1,4-Dioxane
 Concen: 404.25 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.4	39.6
58	70.2	54.1	81.1

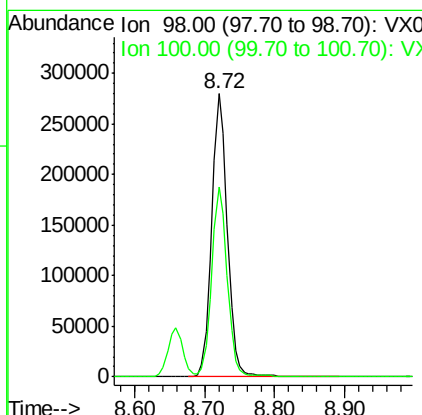
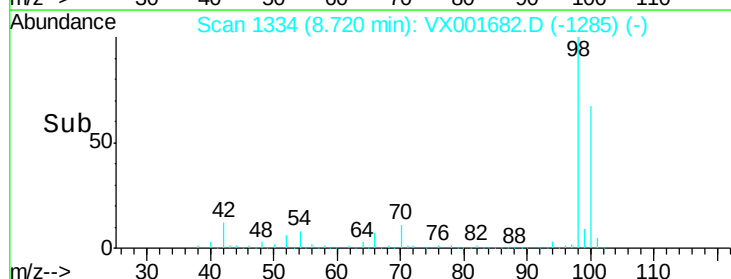
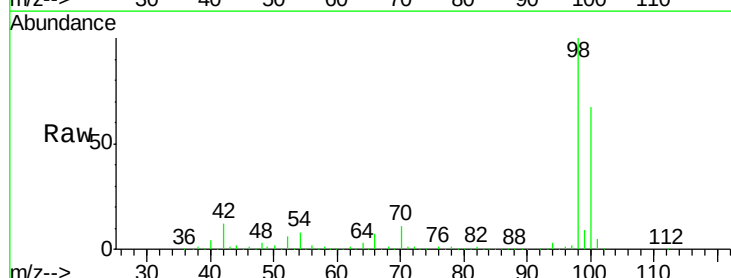
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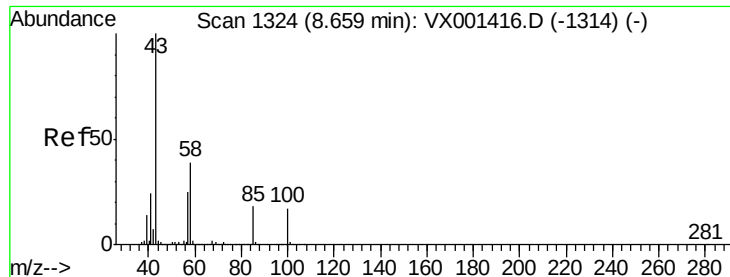
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#50
 Toluene-d8
 Concen: 46.29 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.0	81.0





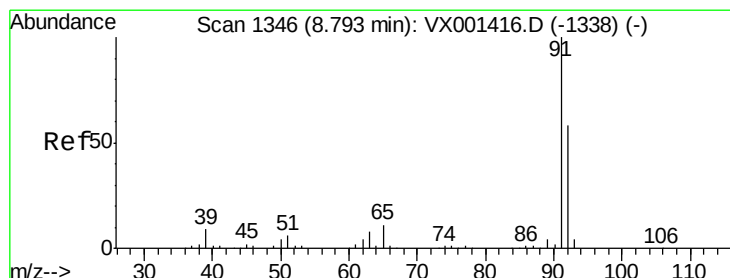
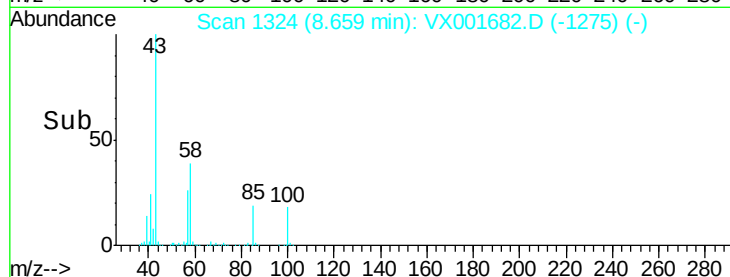
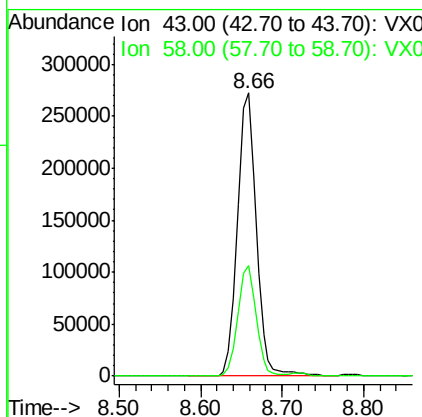
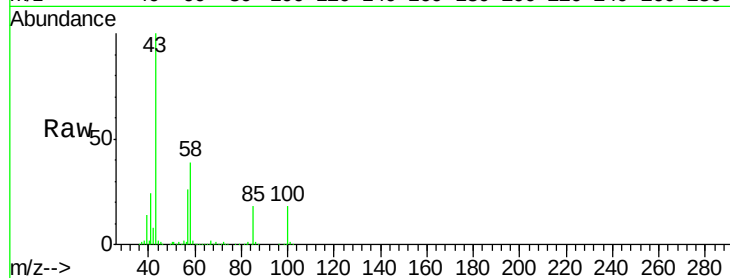
#51
4-Methyl-2-Pentanone
Concen: 105.09 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampled :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.8	46.2

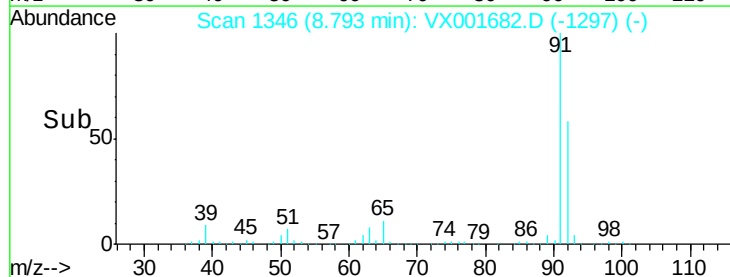
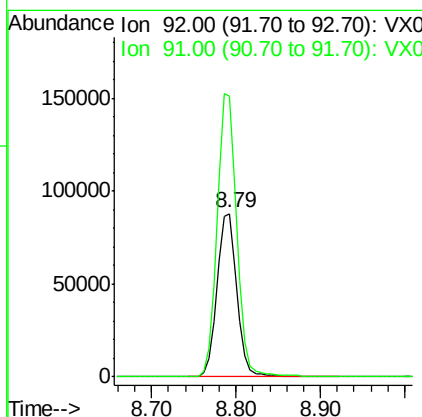
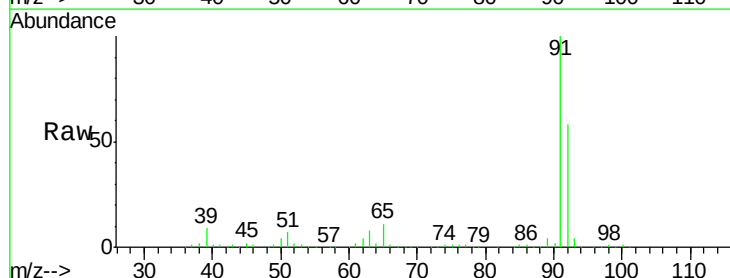
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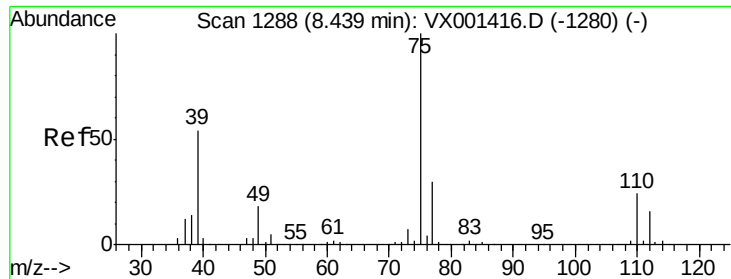
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#52
Toluene
Concen: 20.52 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	135.2	202.8





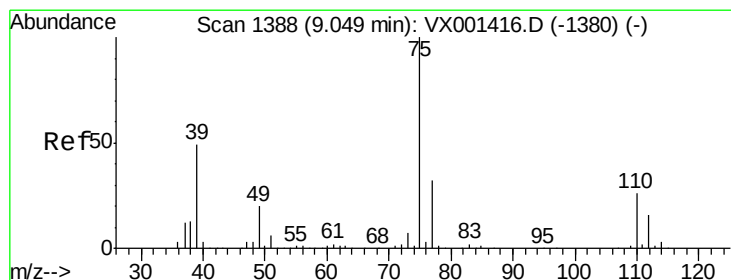
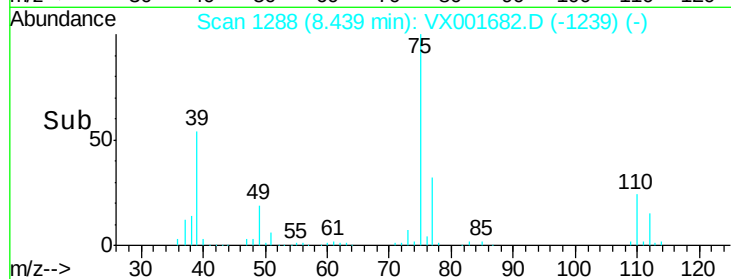
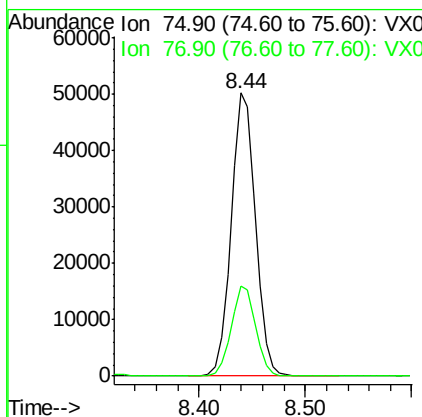
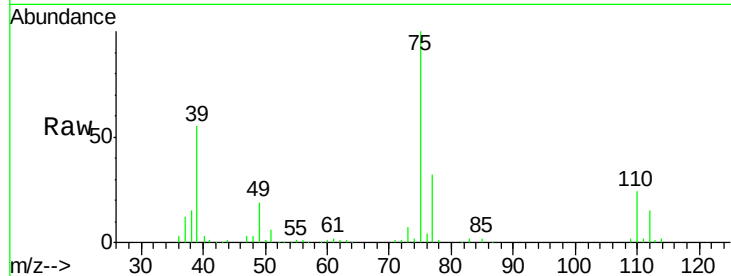
#53
t-1,3-Dichloropropene
Concen: 20.30 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampled :
VX0512WBS02

Tot Ion: 75 Resp: 80460
Ion Ratio Lower Upper
75 100
77 31.9 24.2 36.4

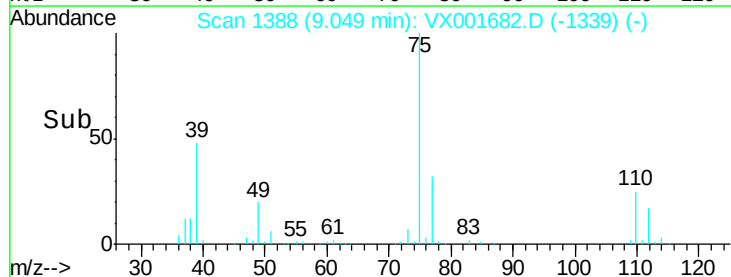
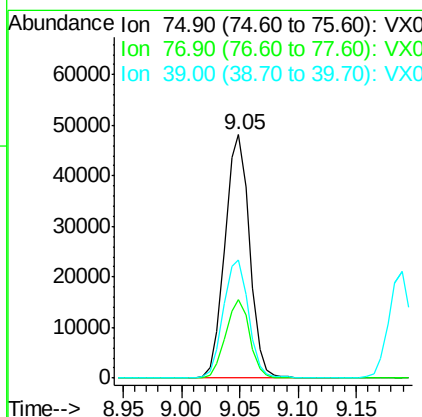
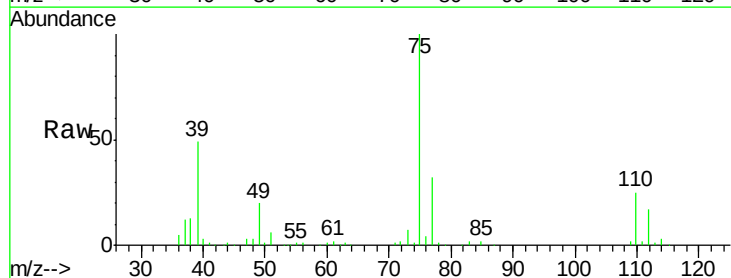
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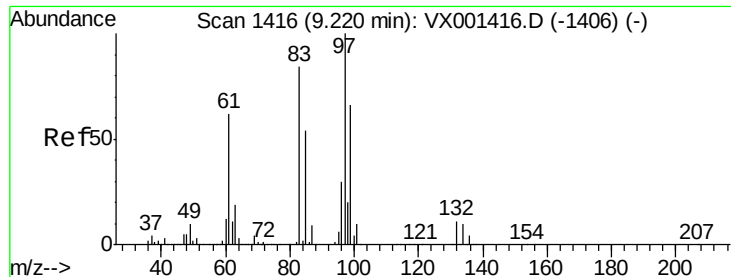
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#54
cis-1,3-Dichloropropene
Concen: 18.71 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion: 75 Resp: 70579
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
39 48.4 38.9 58.3





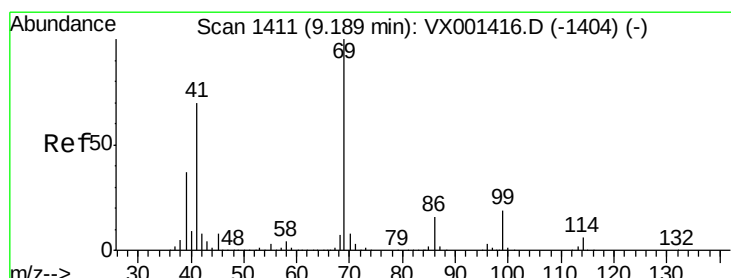
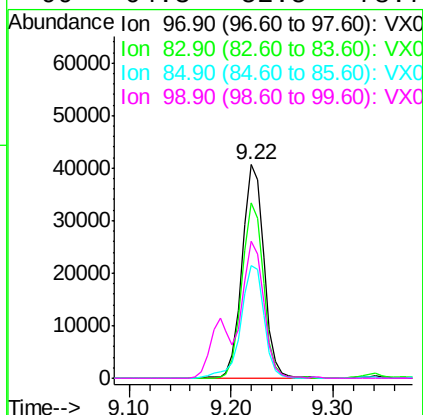
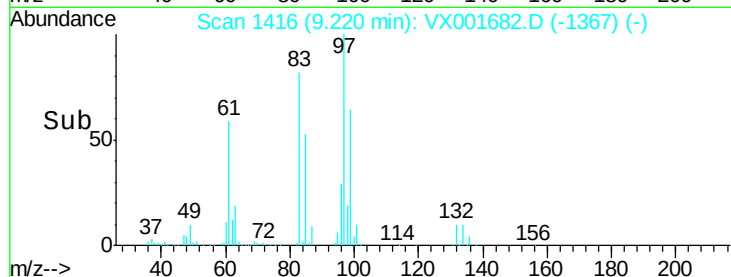
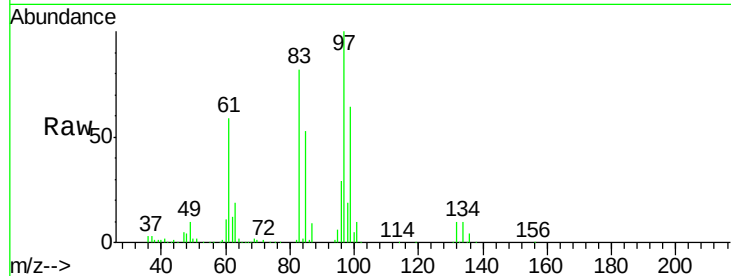
#55
 1,1,2-Trichloroethane
 Concen: 21.27 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		60161		
83	82.2	67.4	101.0		
85	52.9	43.3	64.9		
99	64.3	52.5	78.7		

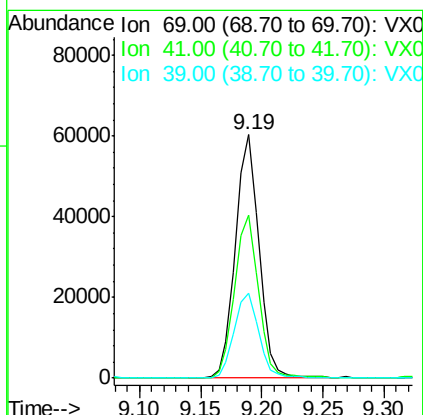
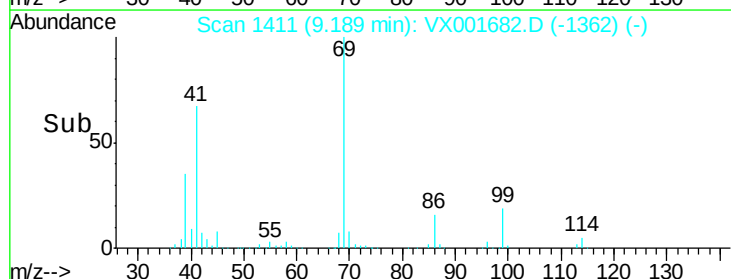
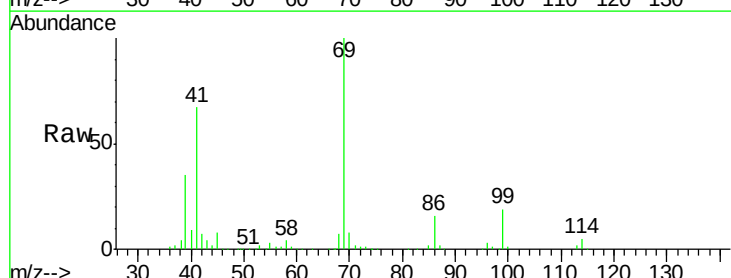
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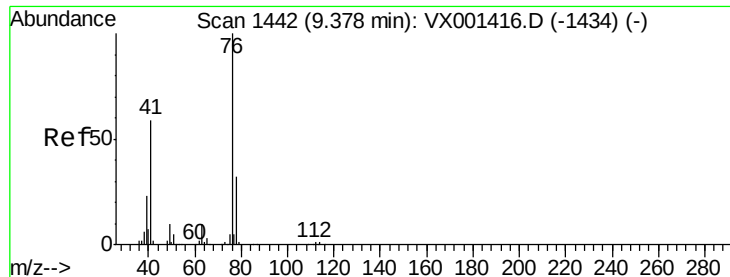
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#56
 Ethyl methacrylate
 Concen: 19.73 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		80430		
41	67.6	55.1	82.7		
39	36.3	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 20.82 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 76 Resp: 97345

Ion Ratio Lower Upper

76 100

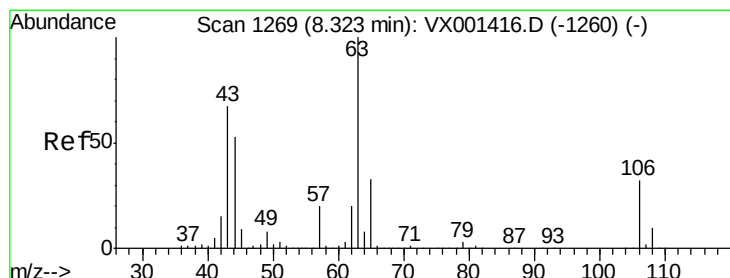
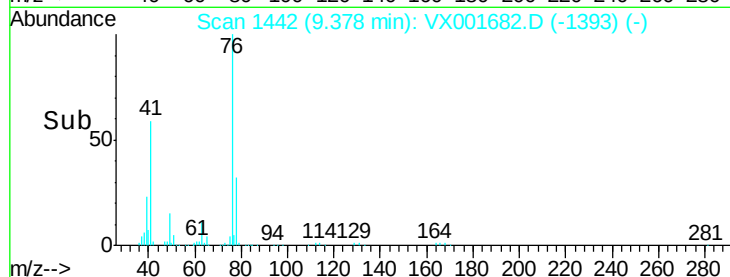
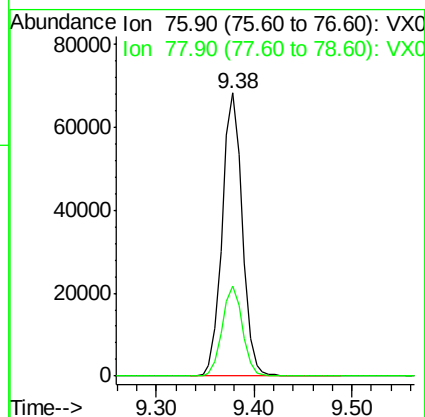
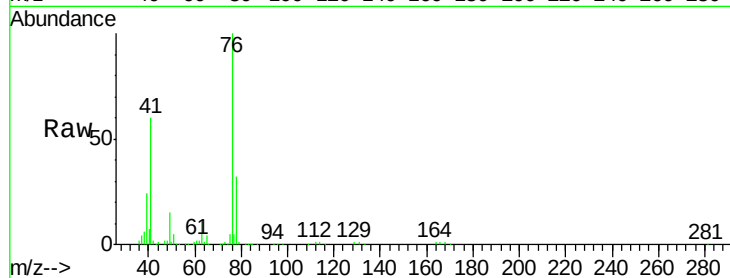
78 31.9 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 109.29 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001682.D

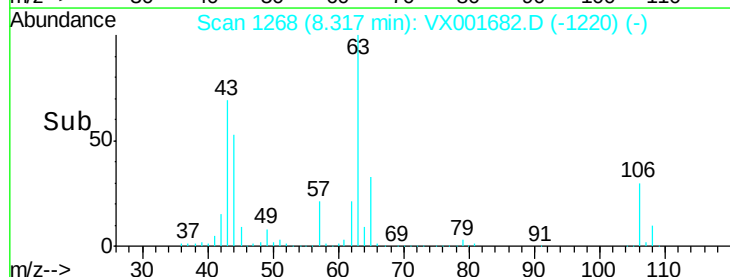
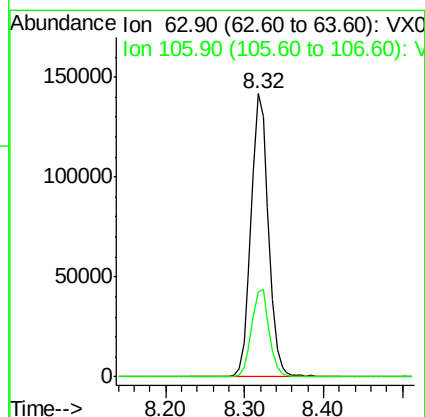
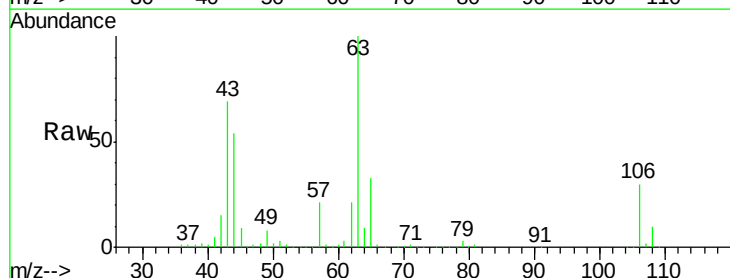
Acq: 12 May 2018 22:28

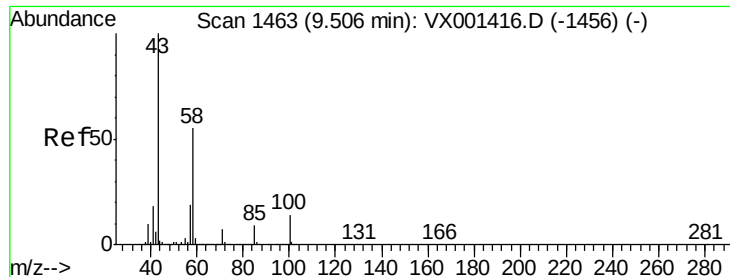
Tgt Ion: 63 Resp: 218545

Ion Ratio Lower Upper

63 100

106 31.1 25.4 38.0





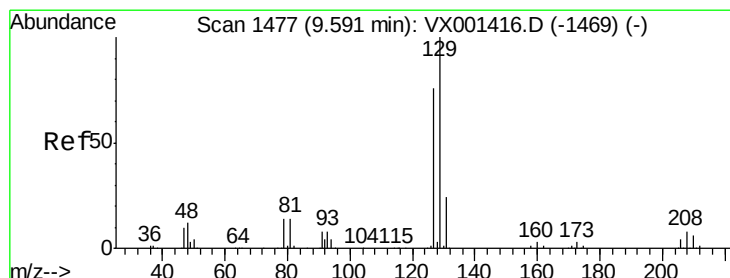
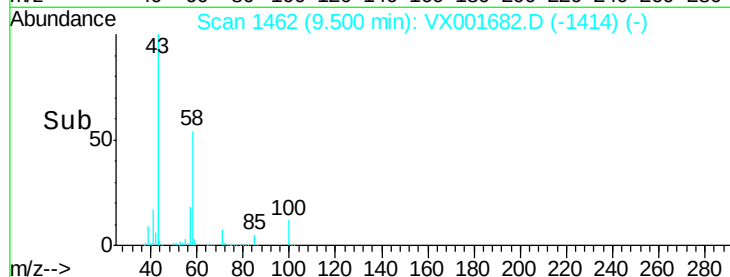
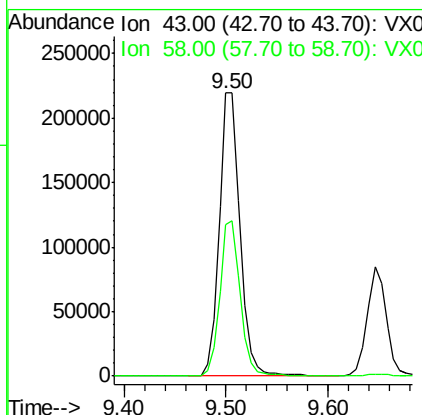
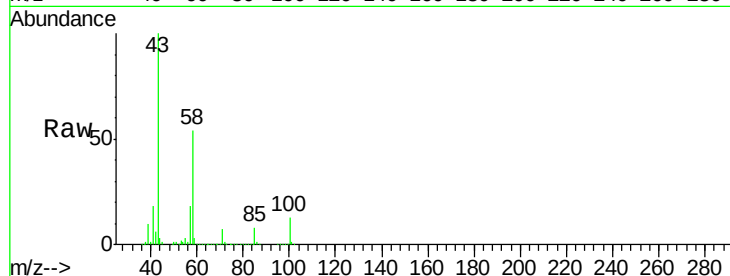
#59
2-Hexanone
Concen: 99.86 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.1	81.2

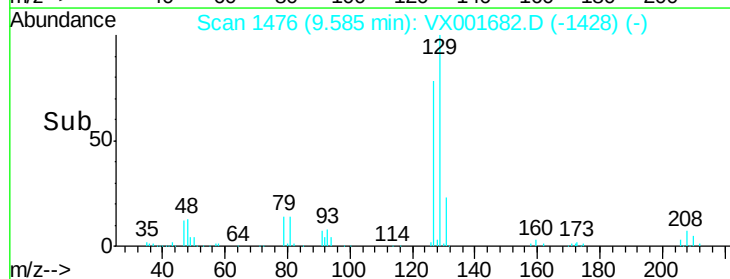
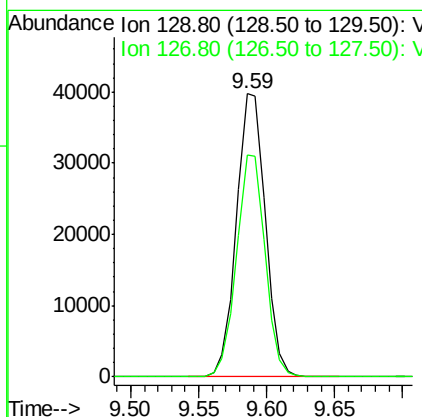
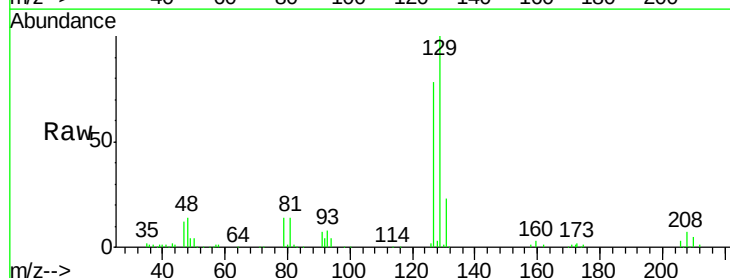
Manual Integrations
APPROVED

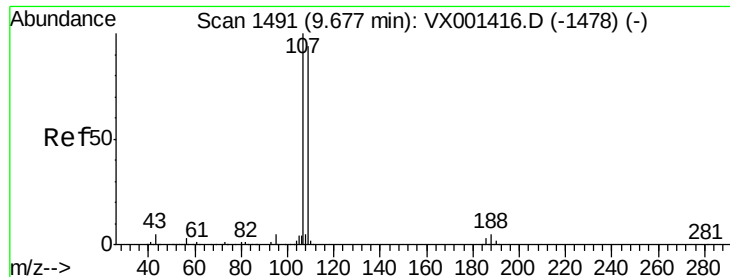
apatel
5/15/2018 6:32:11 PM



#60
Dibromochloromethane
Concen: 20.32 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5





#61

1,2-Dibromoethane

Concen: 20.42 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion:107 Resp: 60645

Ion Ratio Lower Upper

107 100

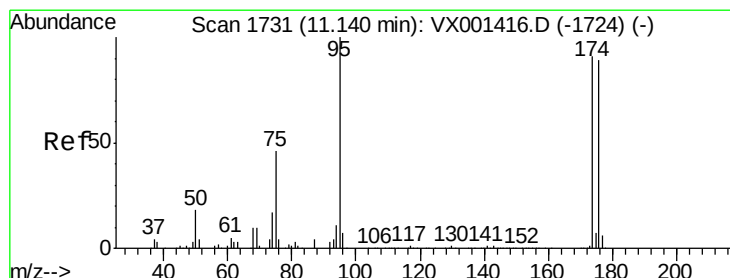
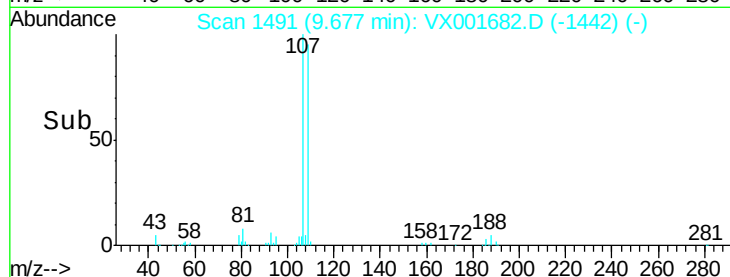
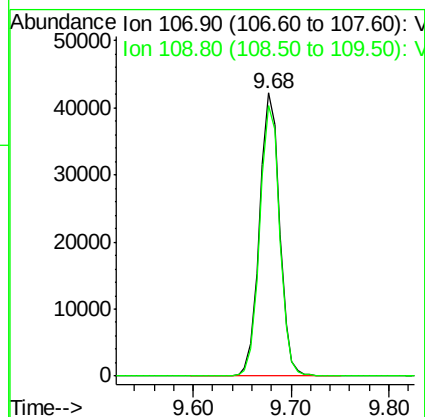
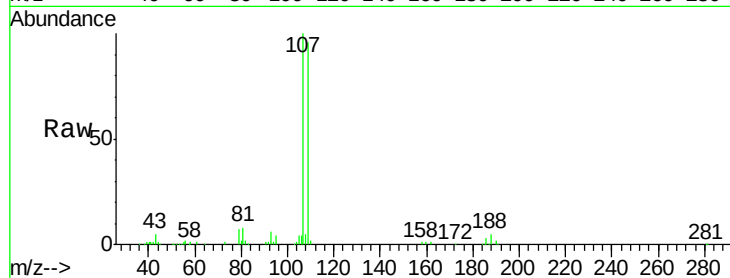
109 95.1 75.5 113.3

Manual Integrations

APPROVED

apatel

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#62

4-Bromofluorobenzene

Concen: 44.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

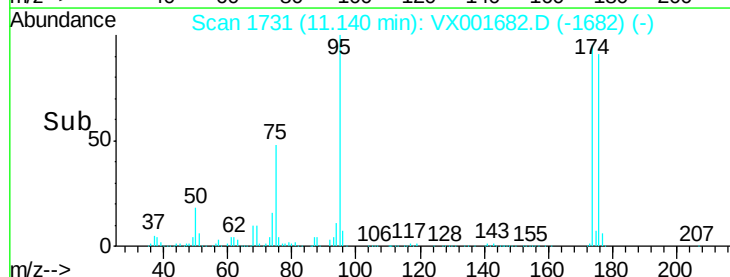
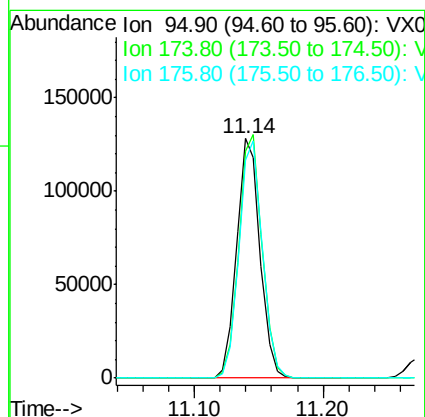
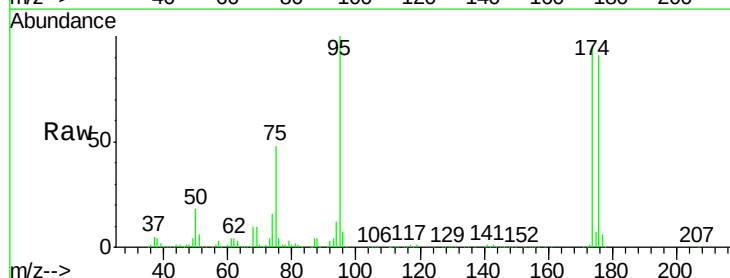
Tgt Ion: 95 Resp: 161394

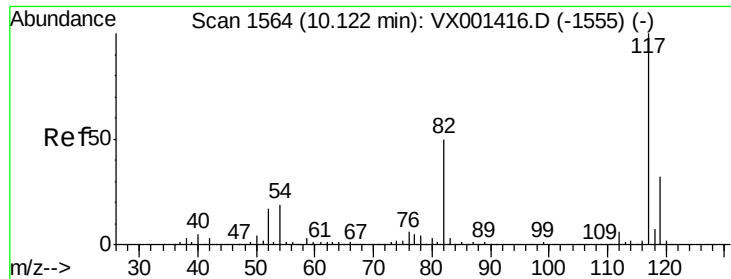
Ion Ratio Lower Upper

95 100

174 101.5 0.0 202.0

176 99.0 0.0 197.4





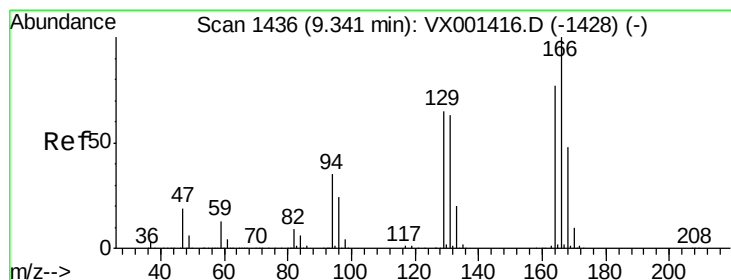
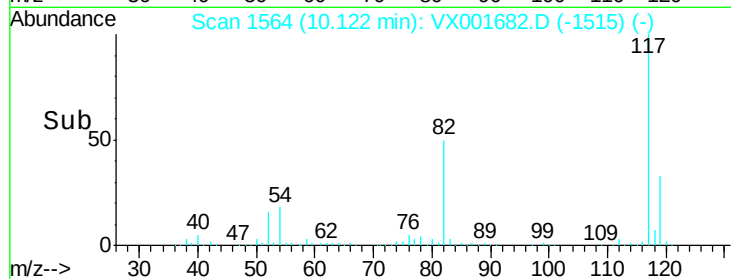
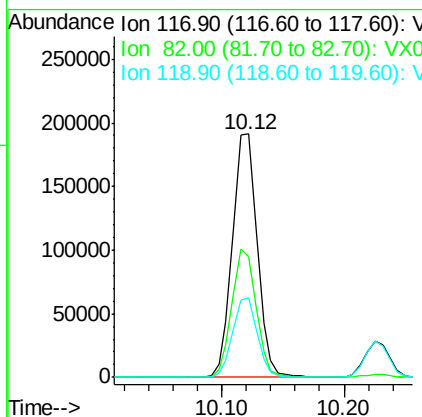
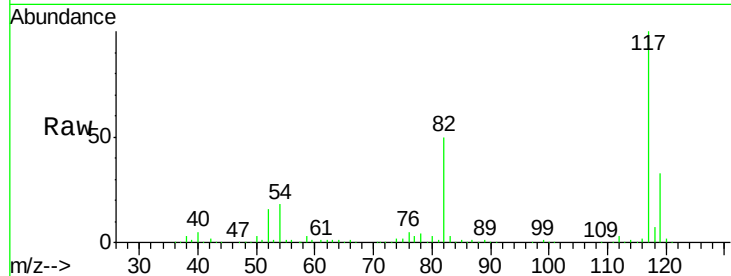
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampled :
VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268655		
82	49.6		40.0	60.0
119	33.0		25.8	38.8

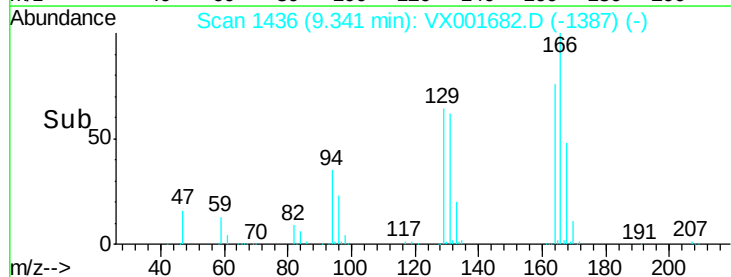
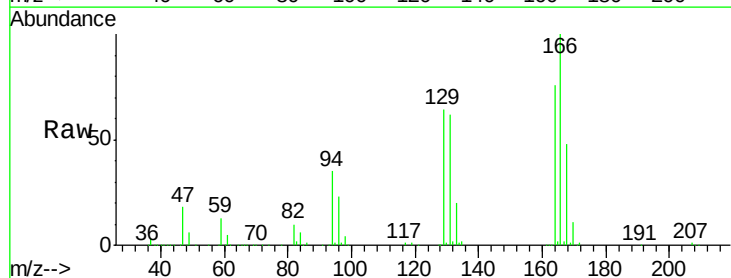
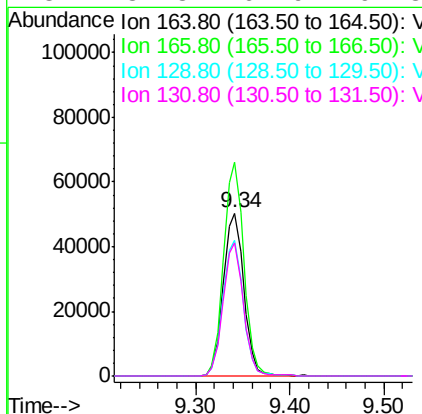
Manual Integrations
APPROVED

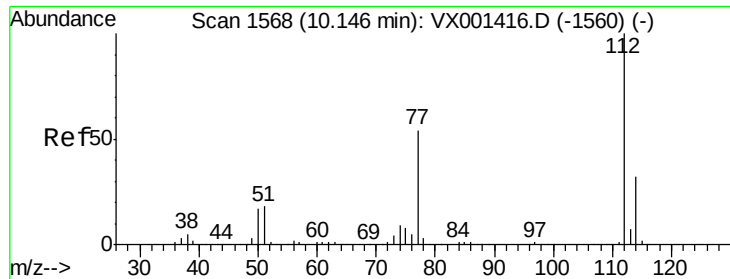
apatel
5/15/2018 6:32:11 PM



#64
Tetrachloroethene
Concen: 20.41 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76416		
166	131.1		103.5	155.3
129	83.3		66.7	100.1
131	81.8		64.9	97.3





#65

Chlorobenzene

Concen: 20.48 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampled :

VX0512WBS02

Tot Ion:112 Resp: 161381

Ion Ratio Lower Upper

112 100

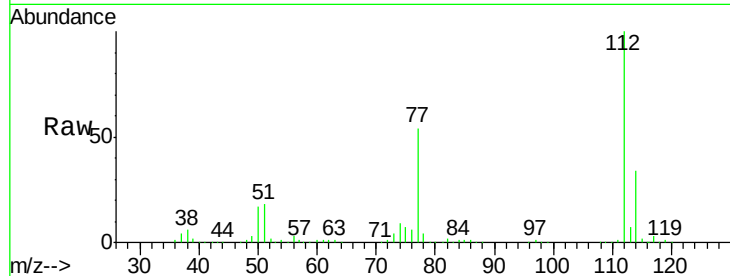
114 33.6 26.0 39.0

Manual Integrations

APPROVED

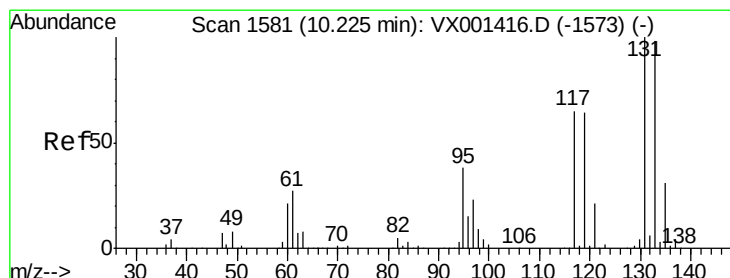
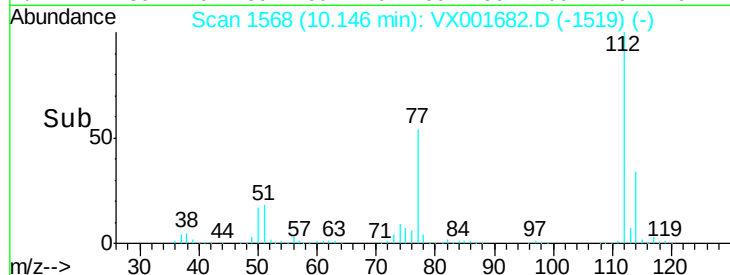
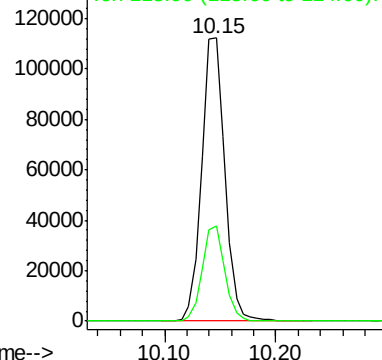
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.40 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

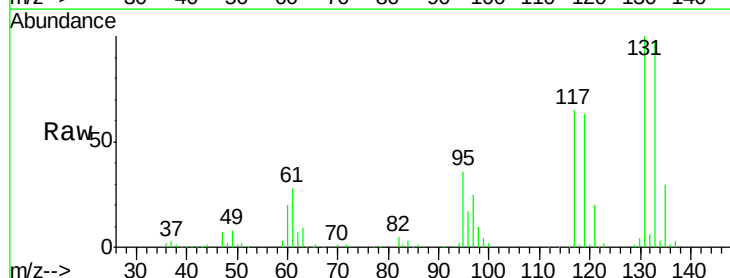
Tgt Ion:131 Resp: 60325

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.8

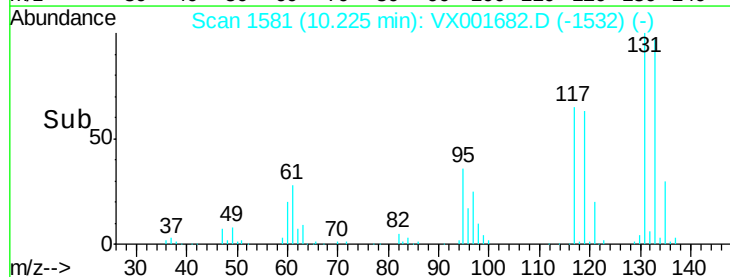
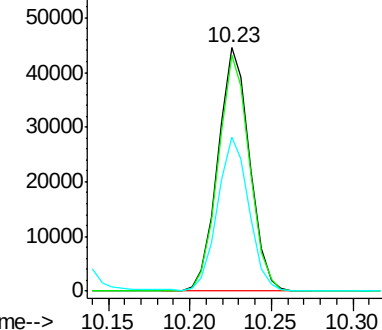
119 62.7 31.1 93.3

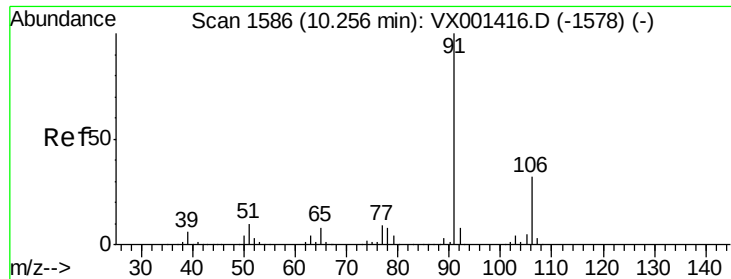


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





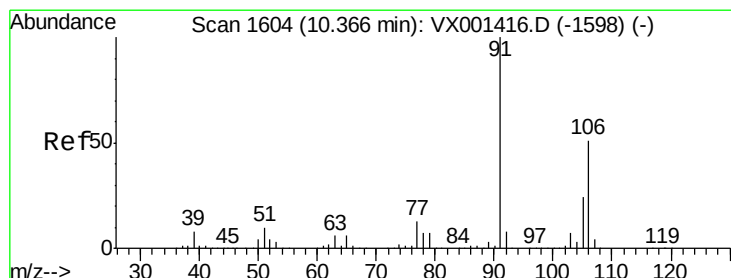
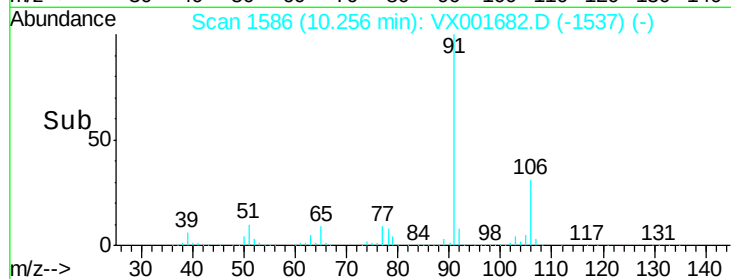
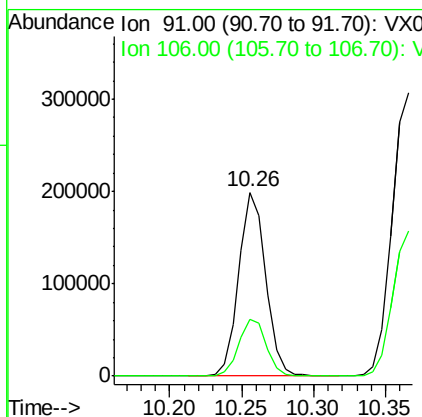
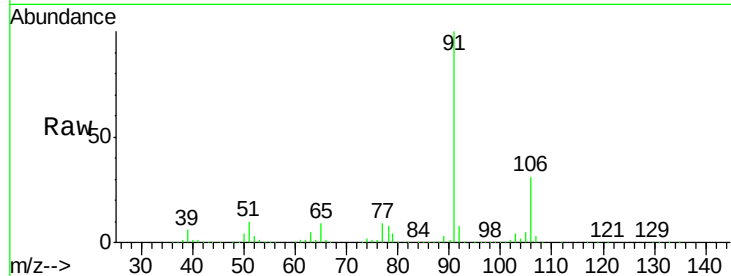
#67
Ethyl Benzene
Concen: 20.07 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampled :
VX0512WBS02

Tot Ion: 91 Resp: 259247
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

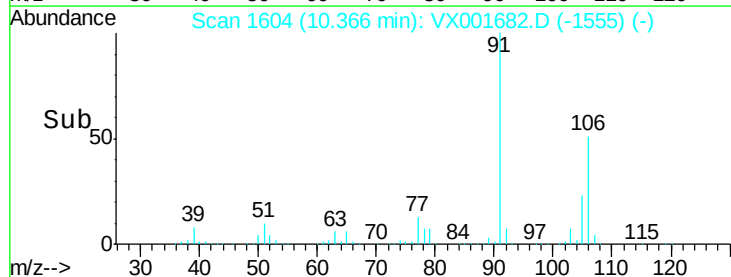
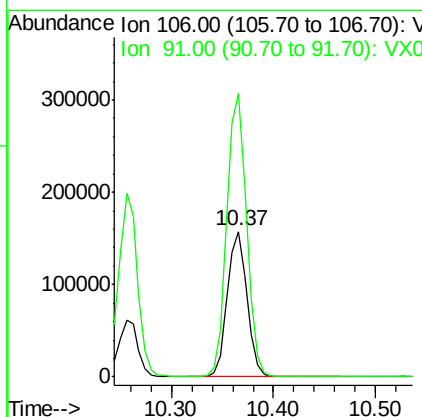
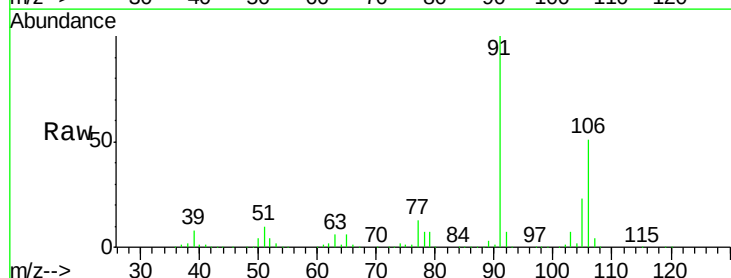
Manual Integrations
APPROVED

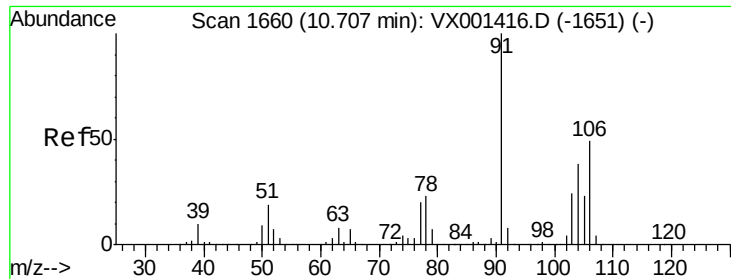
apatel
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#68
m/p-Xylenes
Concen: 40.86 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion: 106 Resp: 208512
Ion Ratio Lower Upper
106 100
91 196.6 157.5 236.3





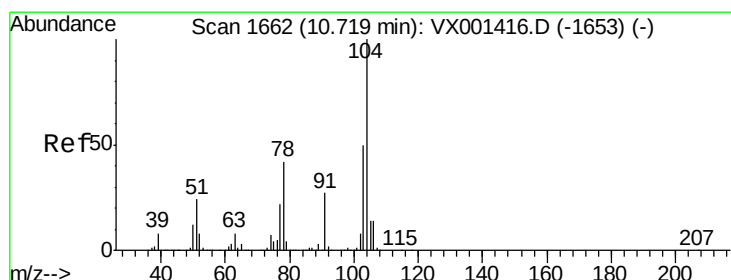
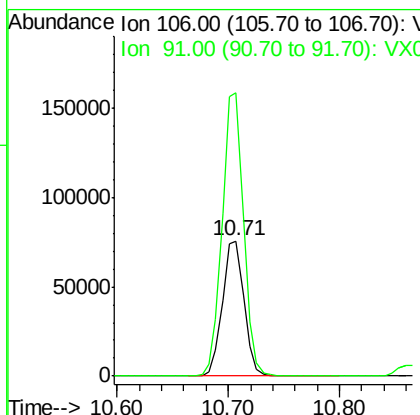
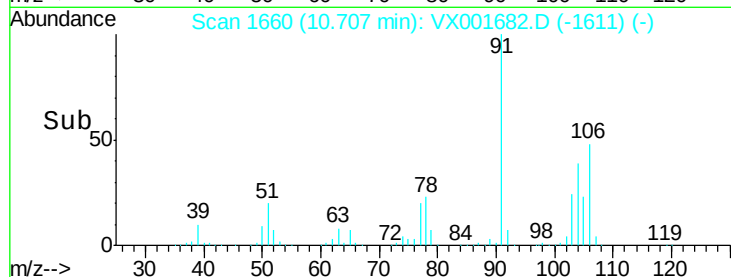
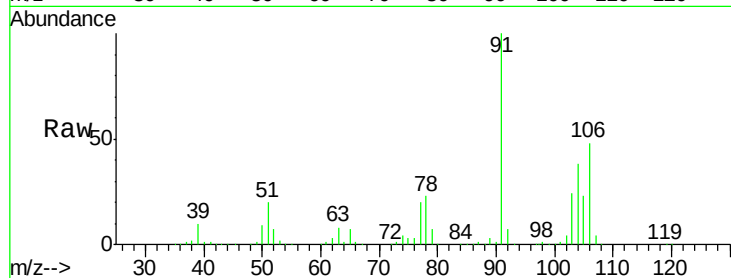
#69
o-Xylene
Concen: 20.51 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	101699		
91	208.0	103.1	309.1		

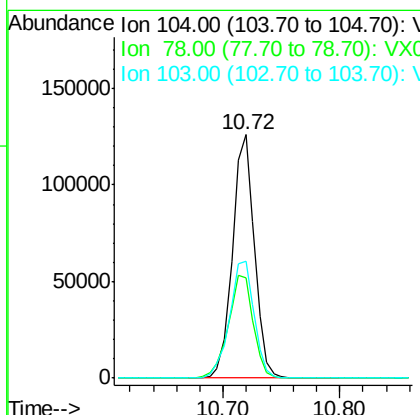
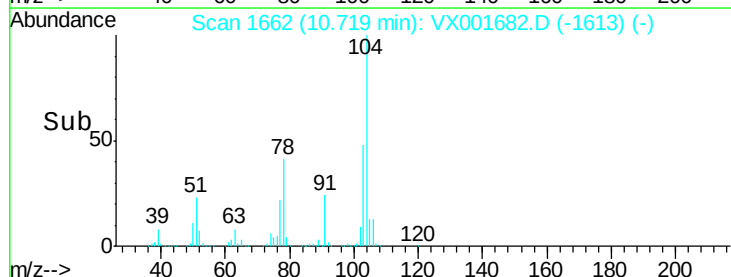
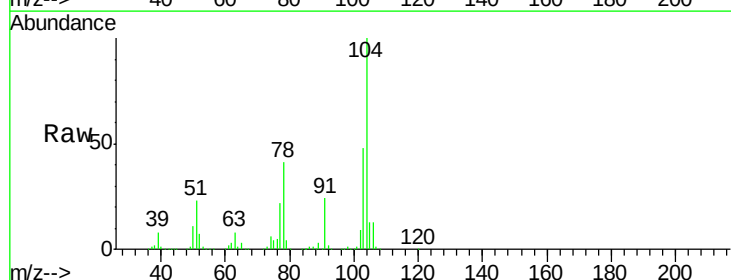
Manual Integrations
APPROVED

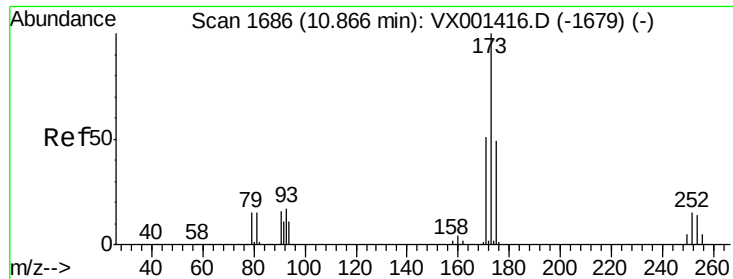
apatel
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#70
Styrene
Concen: 20.53 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	165376		
78	48.0	38.6	58.0		
103	54.2	44.0	66.0		





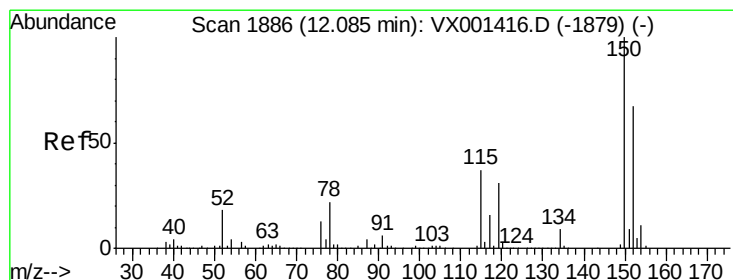
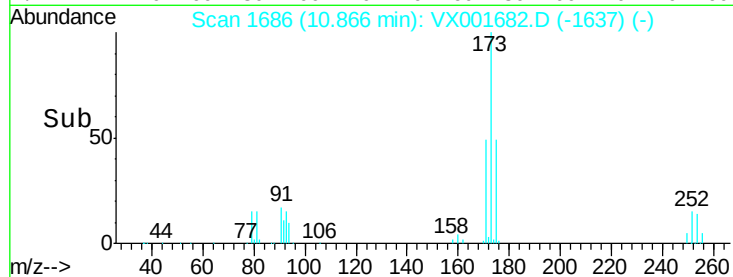
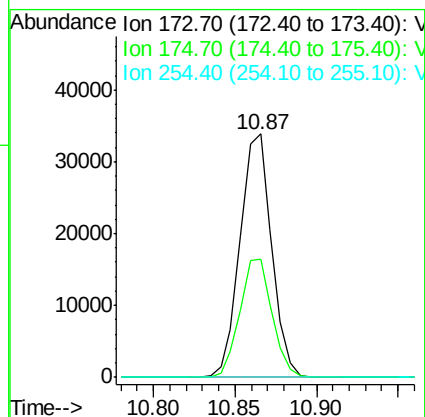
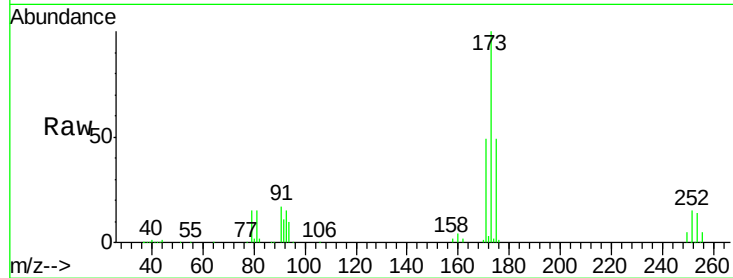
#71
Bromoform
Concen: 19.25 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion:173 Resp: 45770
Ion Ratio Lower Upper
173 100
175 49.8 24.5 73.5
254 0.1 0.2 0.2#

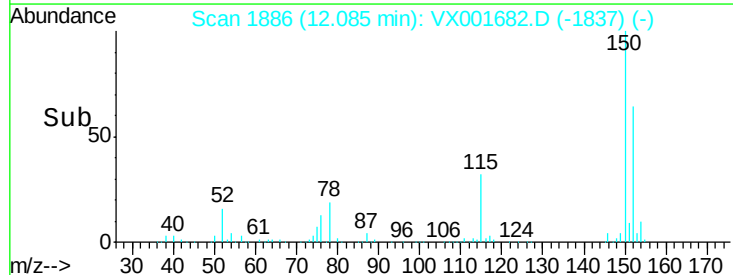
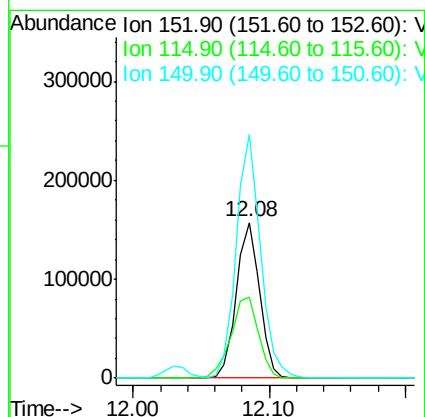
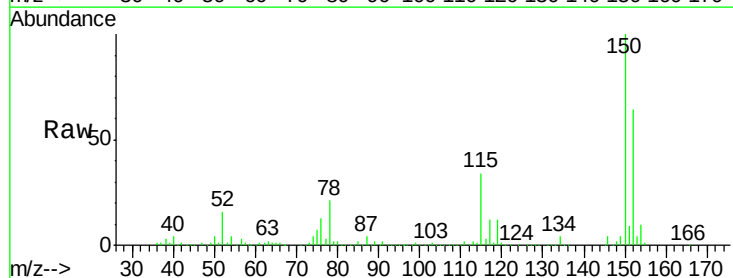
Manual Integrations
APPROVED

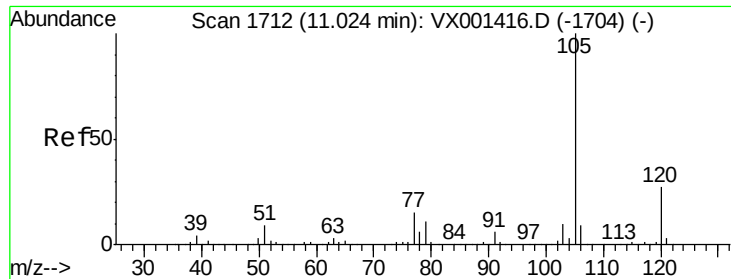
apatel
5/15/2018 6:32:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion:152 Resp: 187061
Ion Ratio Lower Upper
152 100
115 61.9 37.7 113.1
150 163.1 0.0 349.4





#73

Isopropylbenzene

Concen: 21.26 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampled :

VX0512WBS02

Tot Ion:105 Resp: 275279

Ion Ratio Lower Upper

105 100

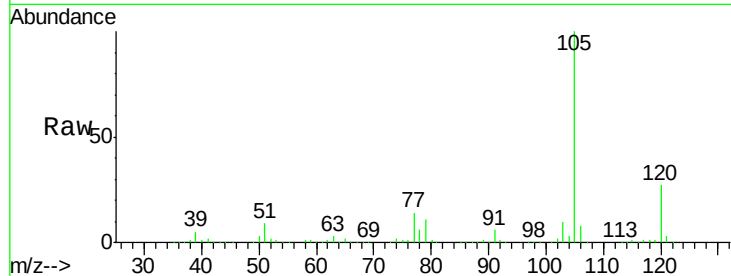
120 27.3 13.6 40.8

Manual Integrations

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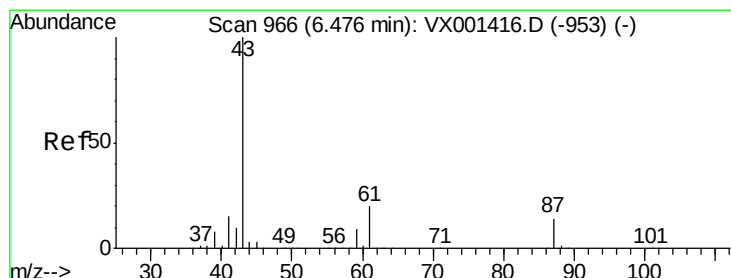
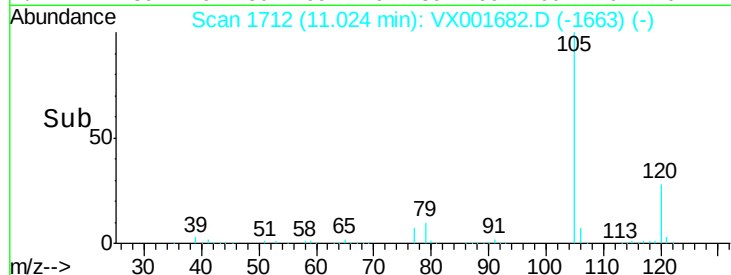
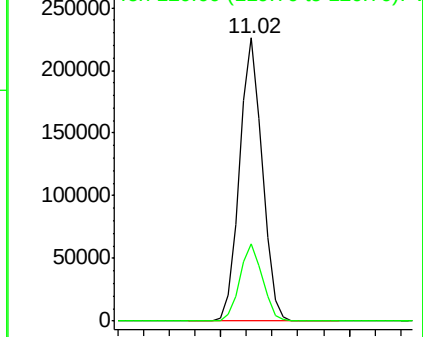
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.10 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Tgt Ion: 43 Resp: 124112

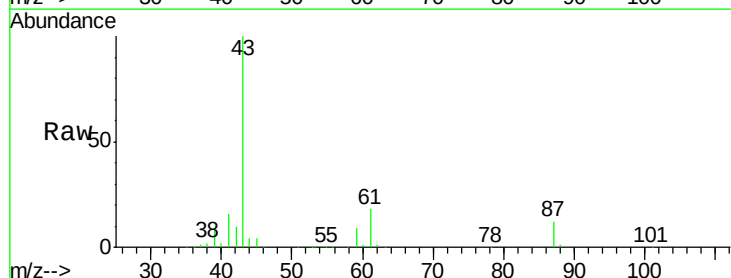
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.1 15.4 23.0

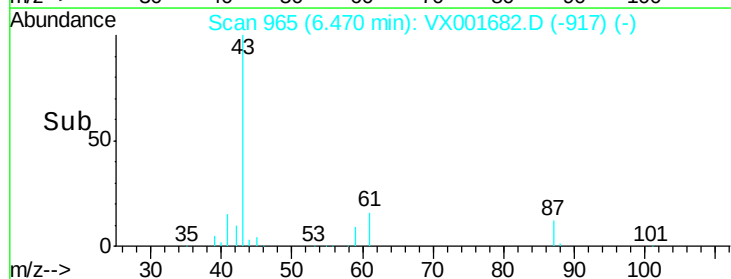
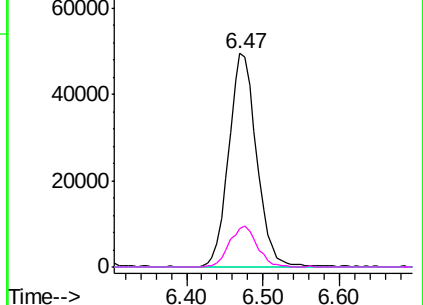


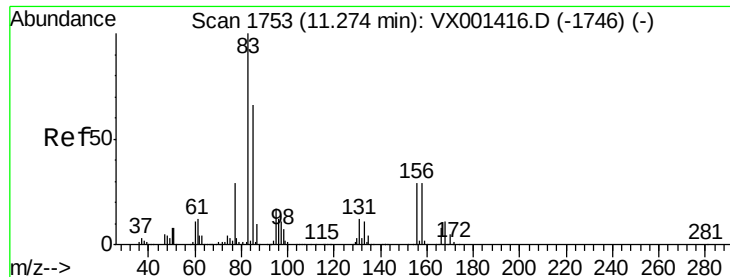
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.90 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 83 Resp: 83768

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

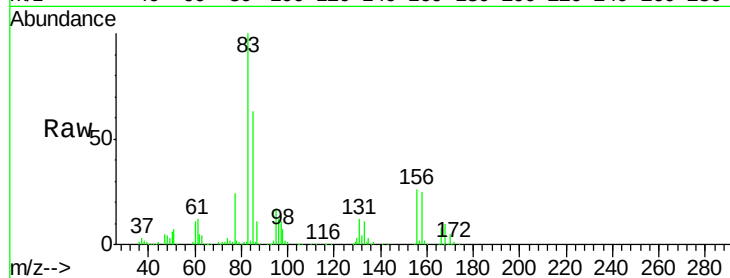
85 64.3 32.7 98.1

Manual Integrations

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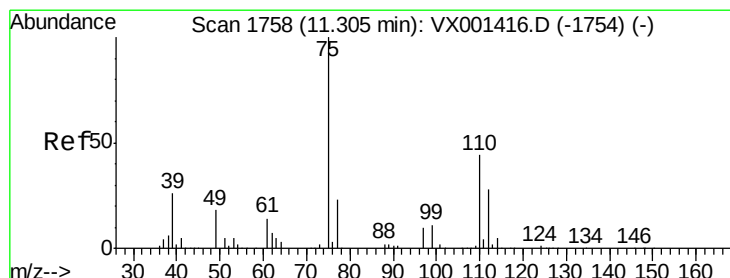
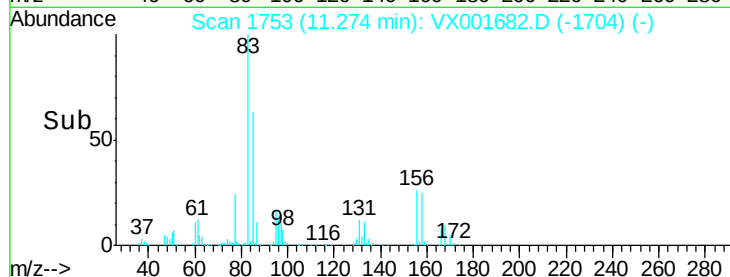
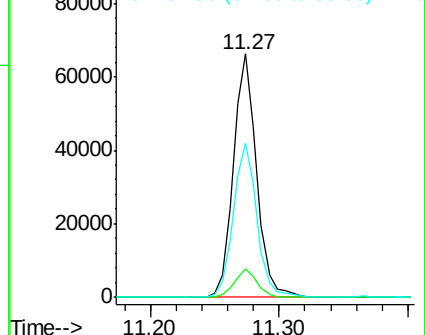
5/15/2018 6:32:11 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.07 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001682.D

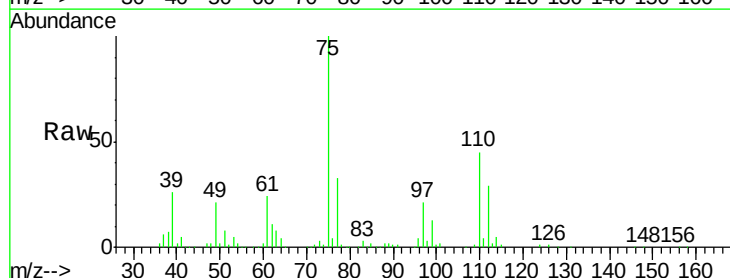
Acq: 12 May 2018 22:28

Tgt Ion: 75 Resp: 79938

Ion Ratio Lower Upper

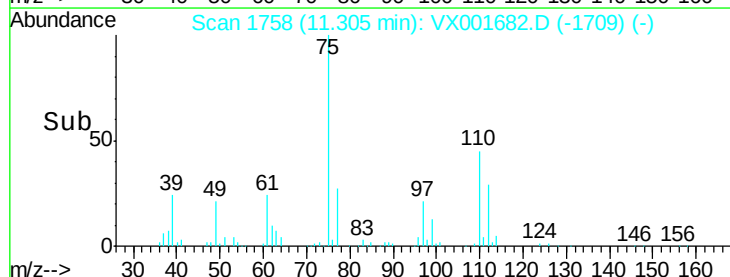
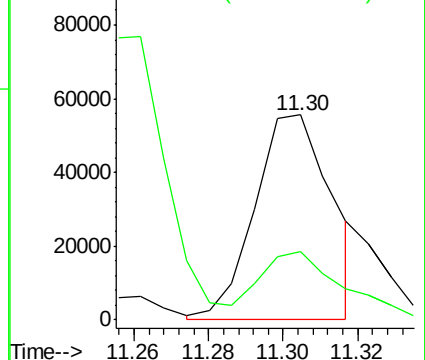
75 100

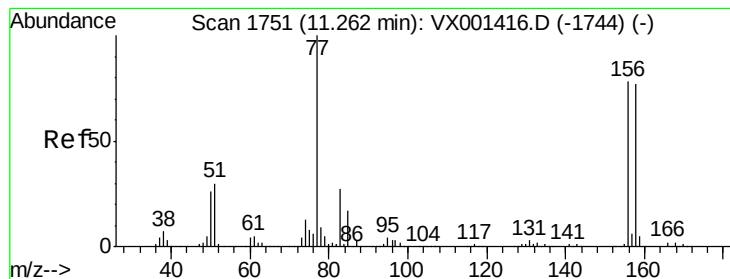
77 35.8 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

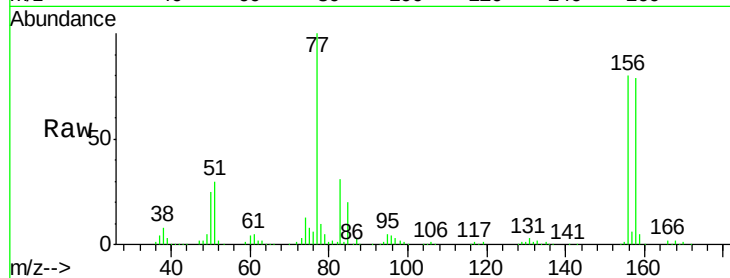
ClientSampleId :

VX0512WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.7	66.0	198.2
158	96.8	49.4	148.2

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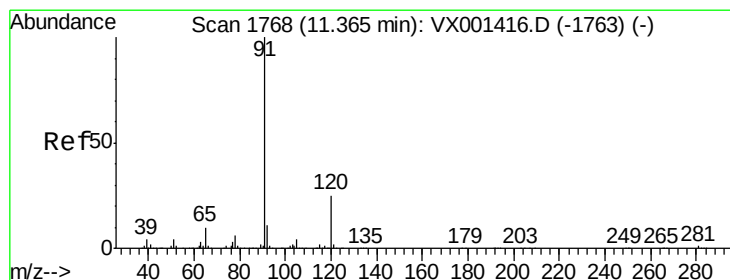
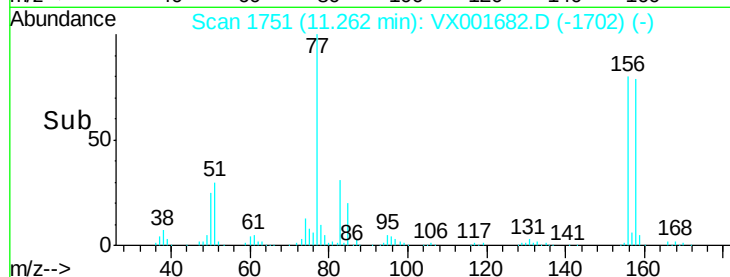
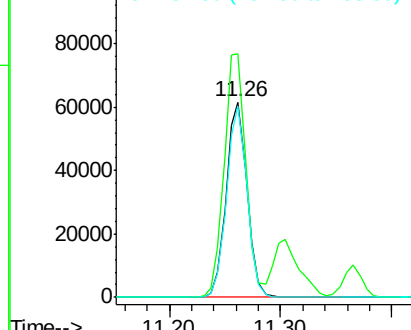


Abundance

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: 21.21 ug/l

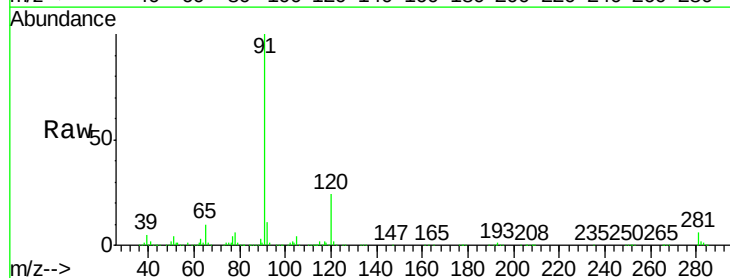
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

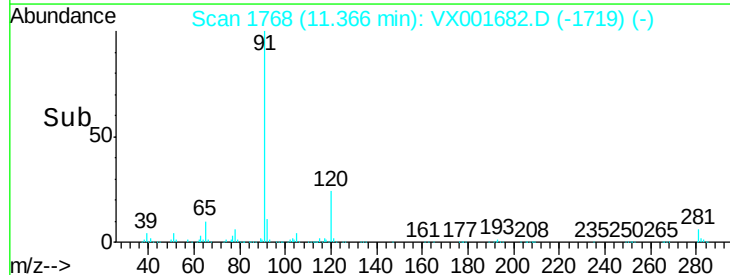
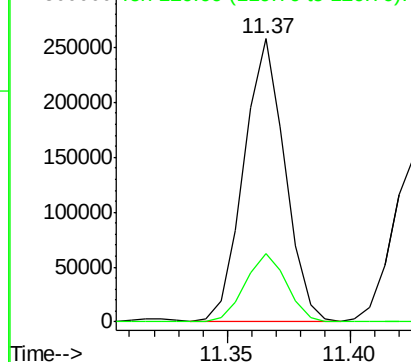
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.5	37.5

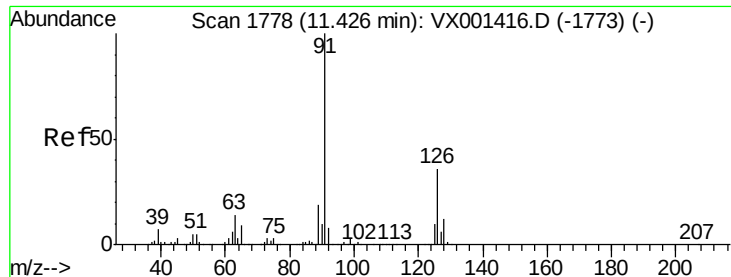


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001682.D

Acq: 12 May 2018 22:28

Instrument :

MSVOA_X

ClientSampleId :

VX0512WBS02

Tot Ion: 91 Resp: 184163

Ion Ratio Lower Upper

91 100

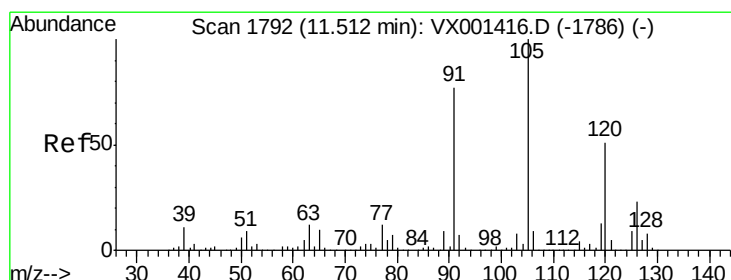
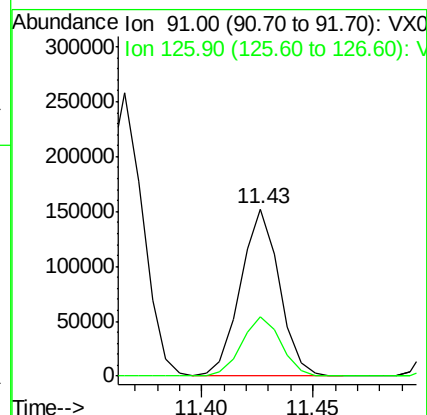
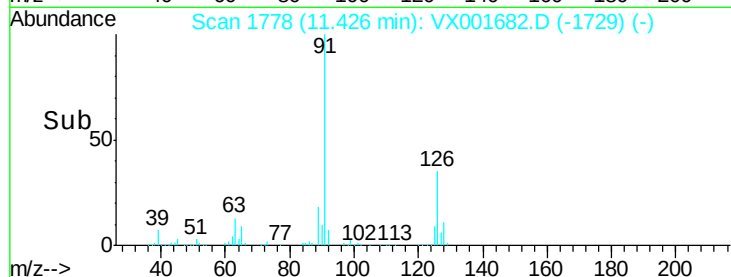
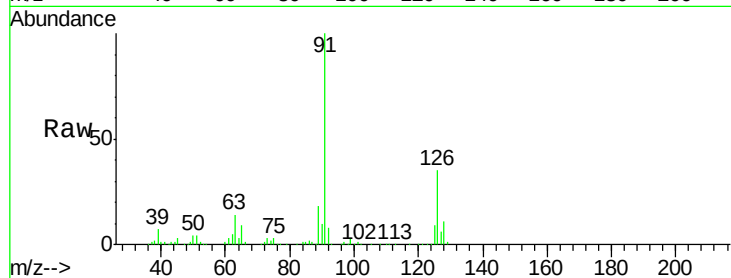
126 36.0 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.05 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001682.D

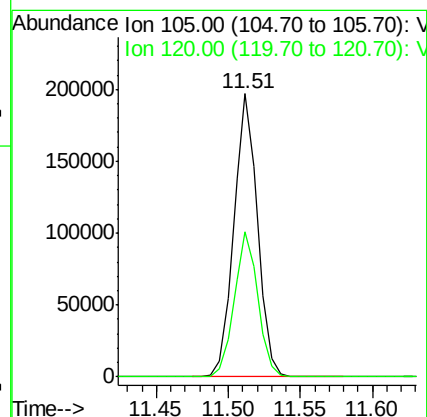
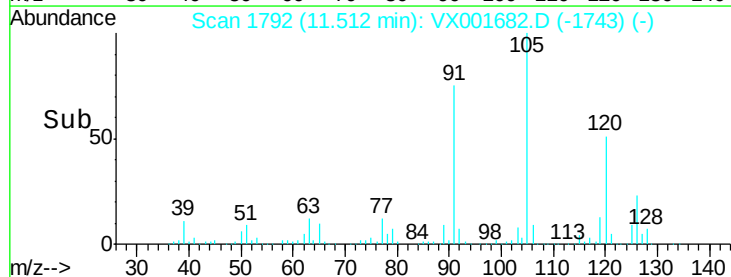
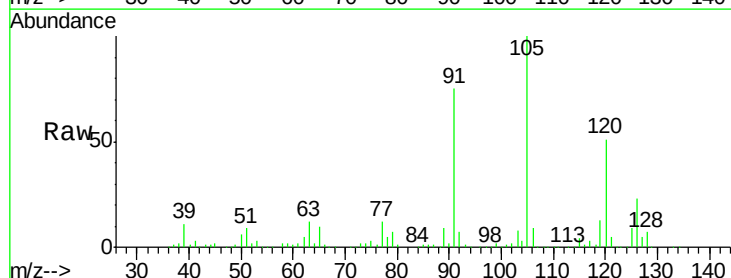
Acq: 12 May 2018 22:28

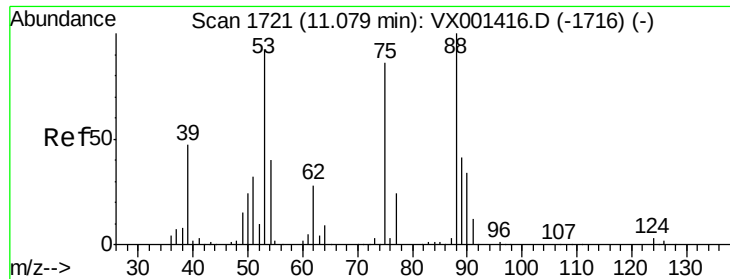
Tgt Ion: 105 Resp: 227005

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1





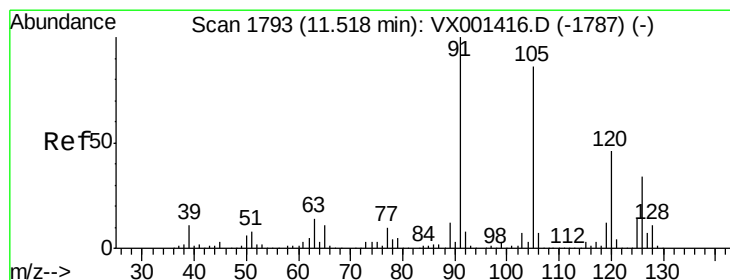
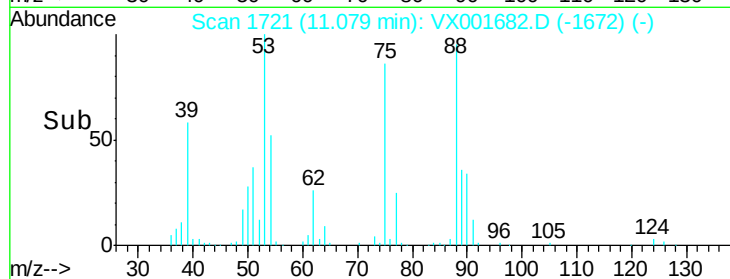
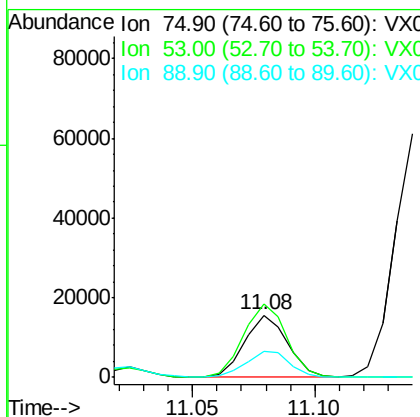
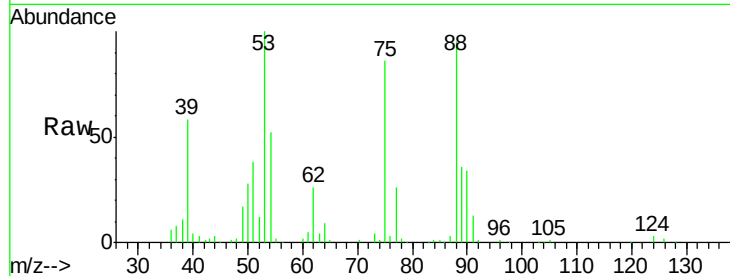
#81
trans-1,4-Dichloro-2-butene
Concen: 18.96 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.9	84.5	126.7
89	43.0	39.5	59.3

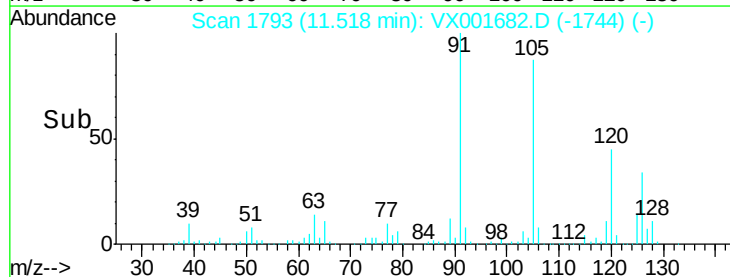
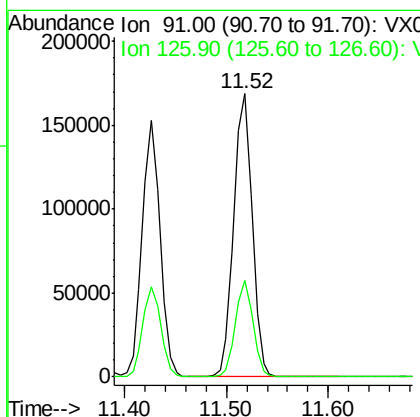
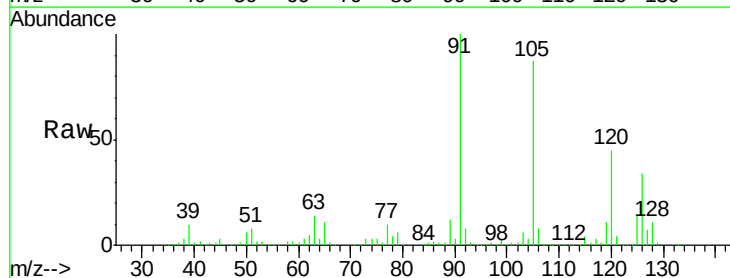
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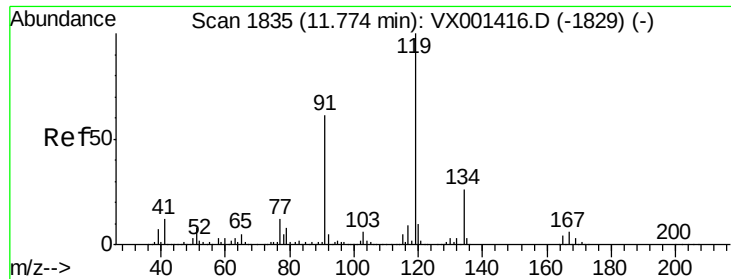
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#82
4-Chlorotoluene
Concen: 21.07 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5





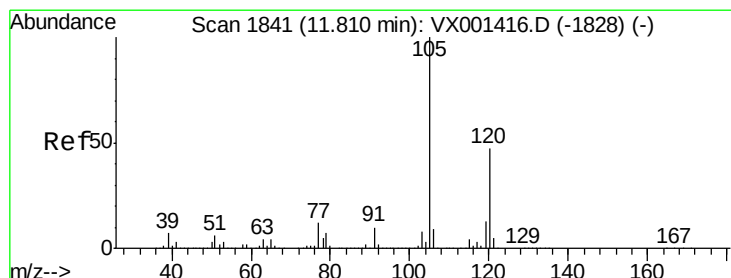
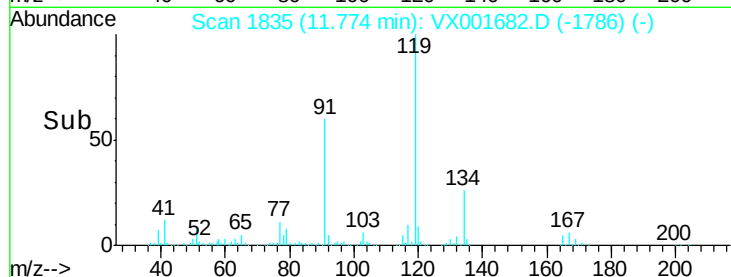
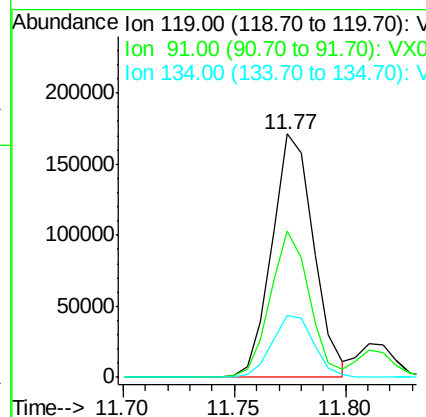
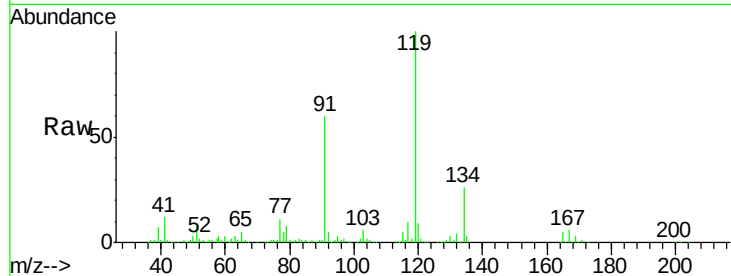
#83
 tert-Butylbenzene
 Concen: 20.75 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	27.8	83.3
134	25.6	12.4	37.0

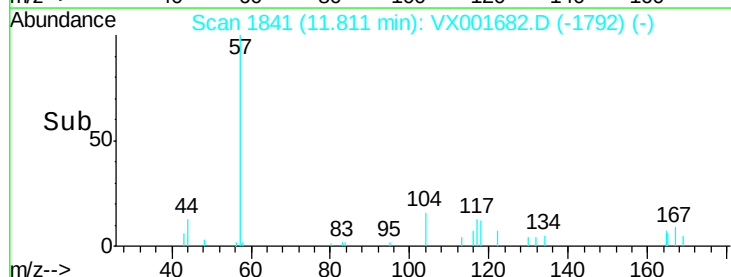
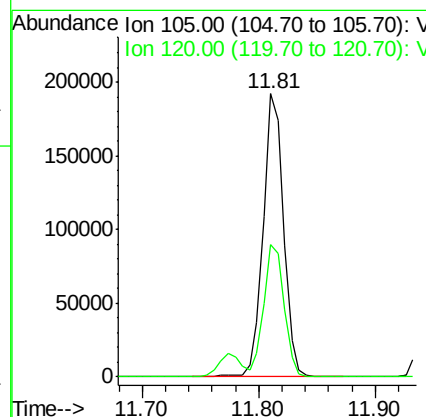
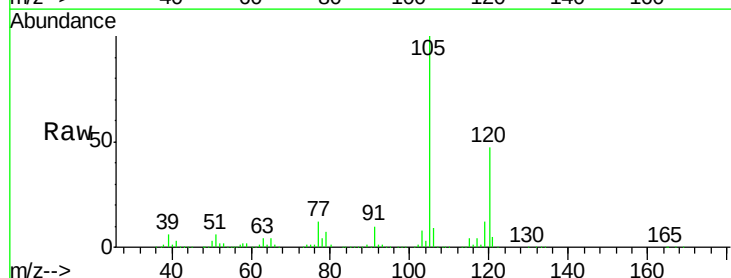
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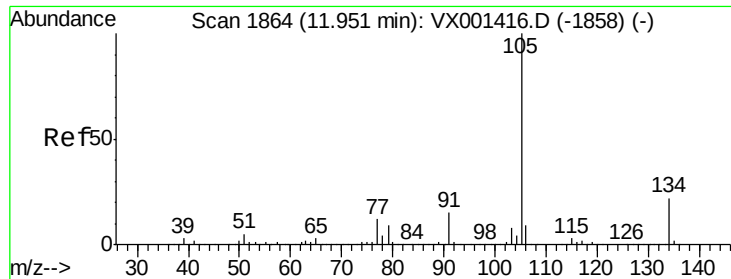
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.2





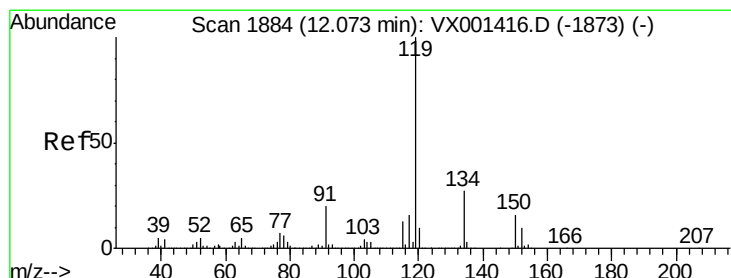
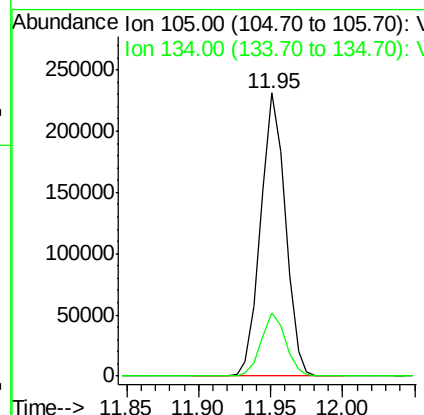
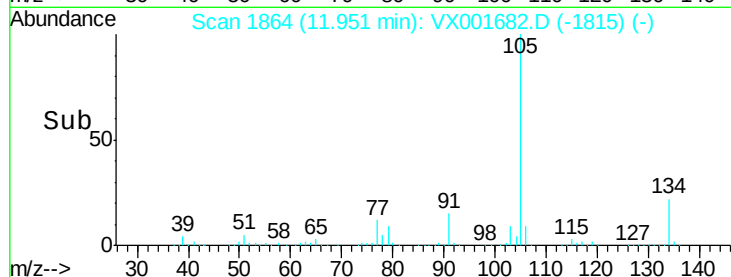
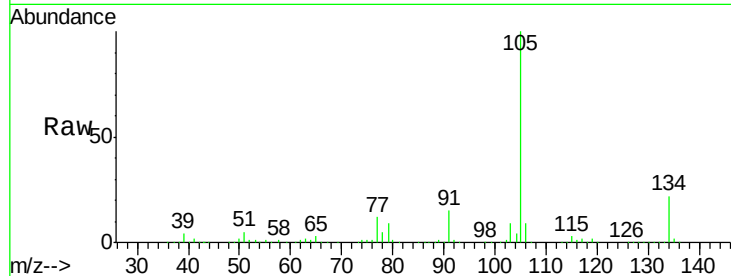
#85
 sec-Butylbenzene
 Concen: 21.08 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.2	10.9	32.9

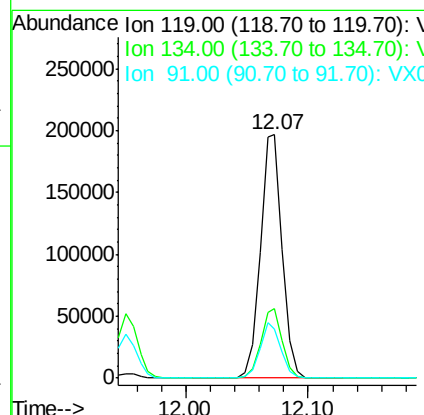
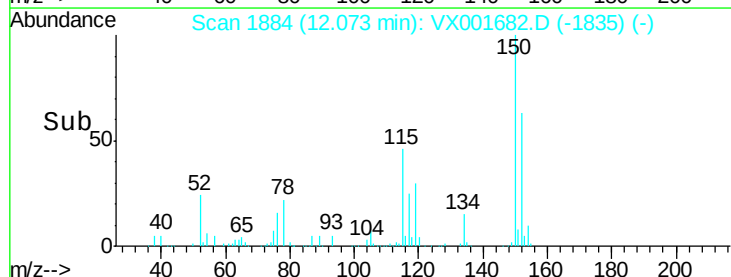
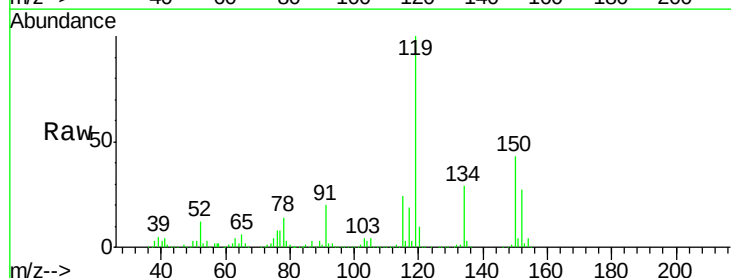
Manual Integrations
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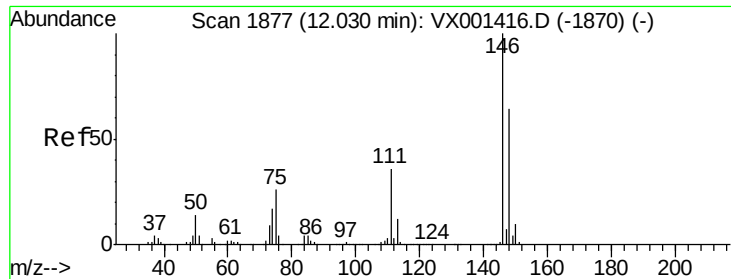
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#86
 p-Isopropyltoluene
 Concen: 20.68 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.6	40.8
91	21.8	10.8	32.3





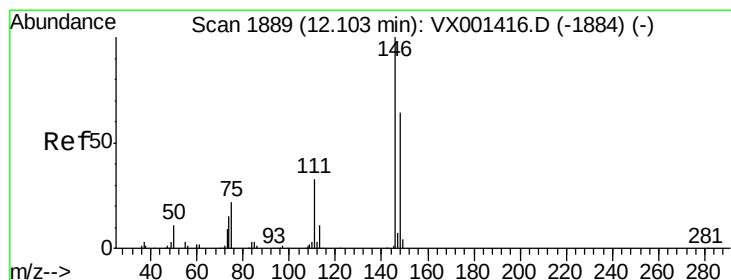
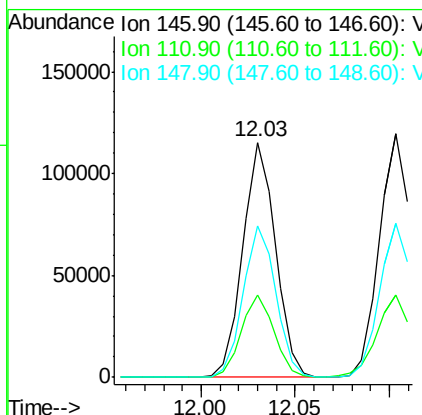
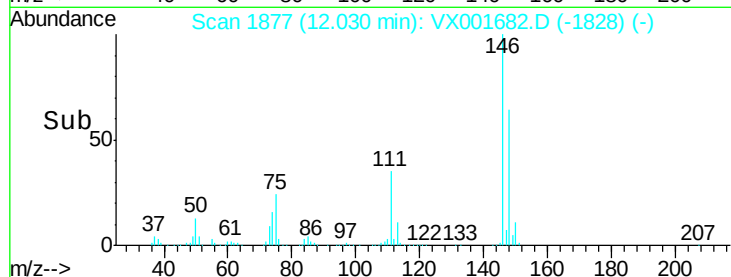
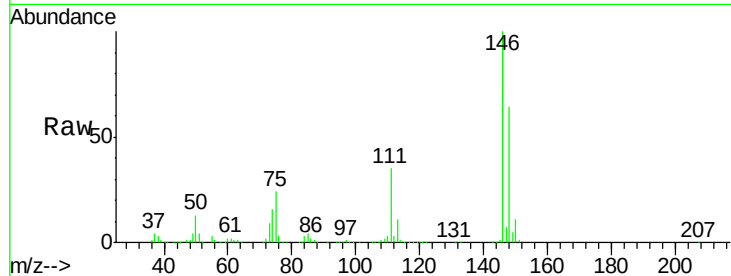
#87
 1,3-Dichlorobenzene
 Concen: 20.72 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.1	54.1
148	64.4	32.1	96.5

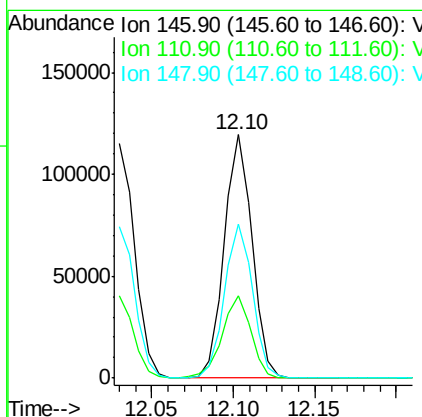
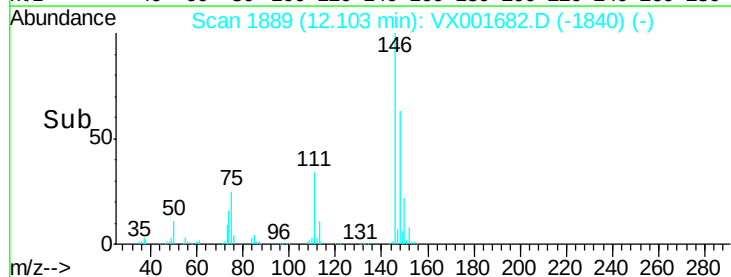
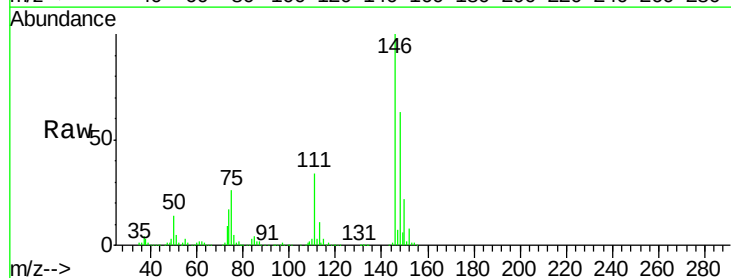
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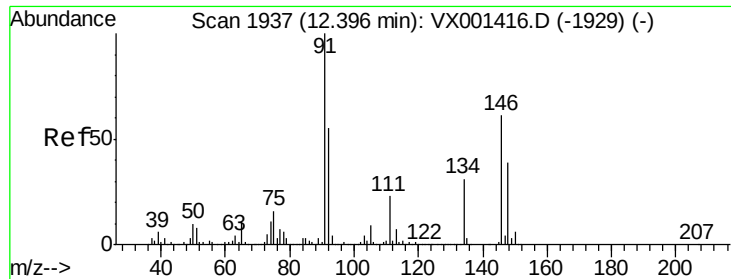
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#88
 1,4-Dichlorobenzene
 Concen: 20.67 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.4	52.3
148	64.0	32.2	96.6





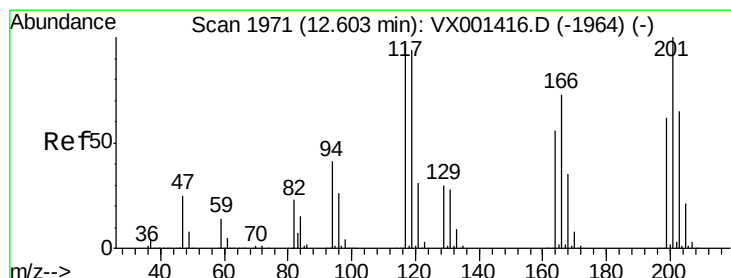
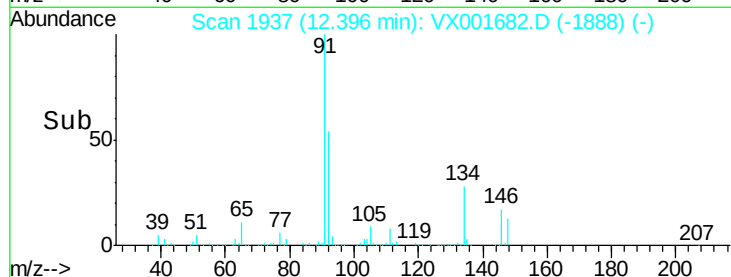
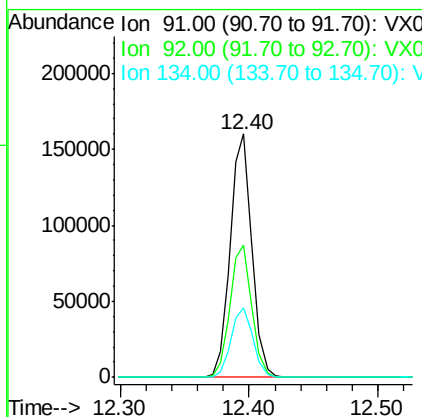
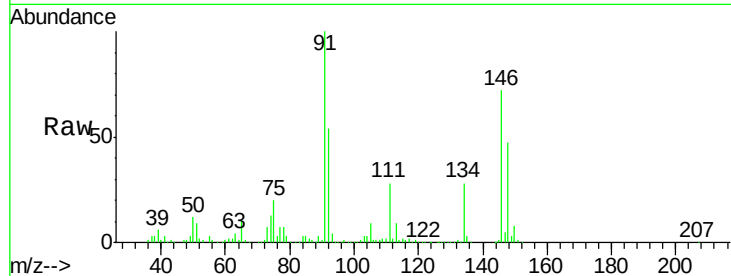
#89
n-Butylbenzene
Concen: 19.32 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	189126		
92	54.5	27.2	81.5	
134	29.0	14.6	44.0	

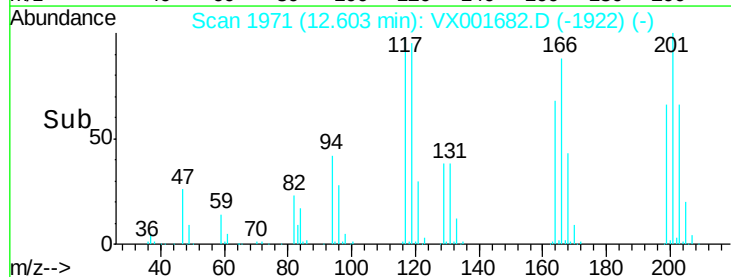
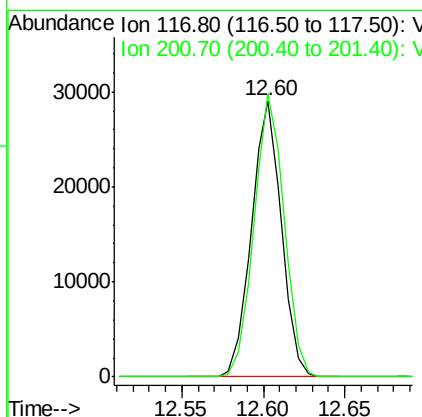
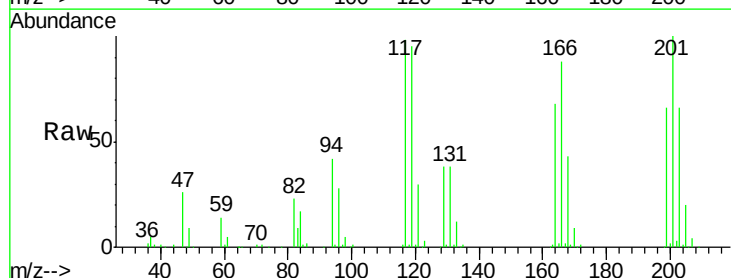
Manual Integrations
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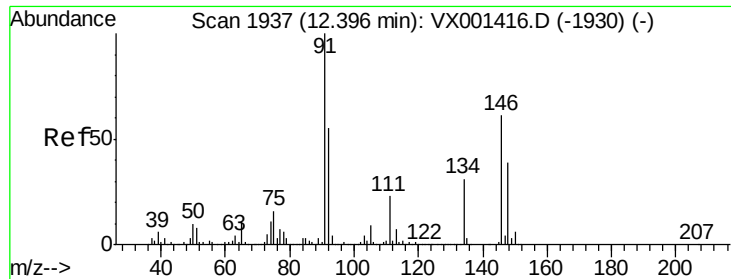
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#90
Hexachloroethane
Concen: 20.79 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36987		
201	103.5	51.5	154.5	





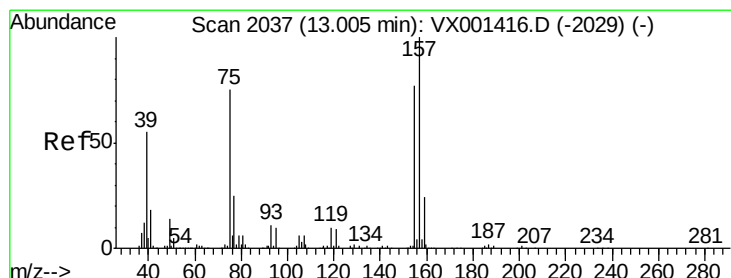
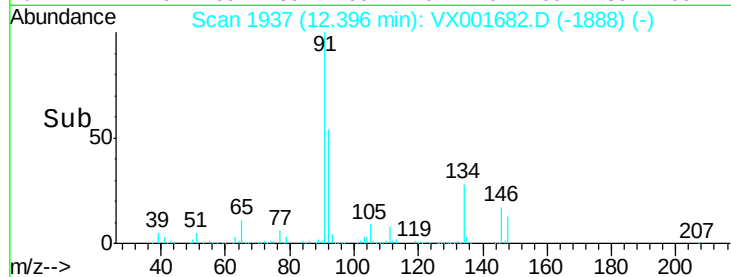
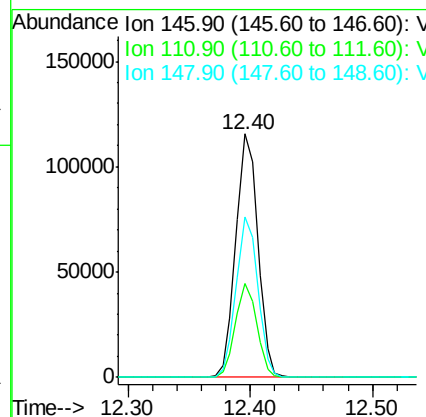
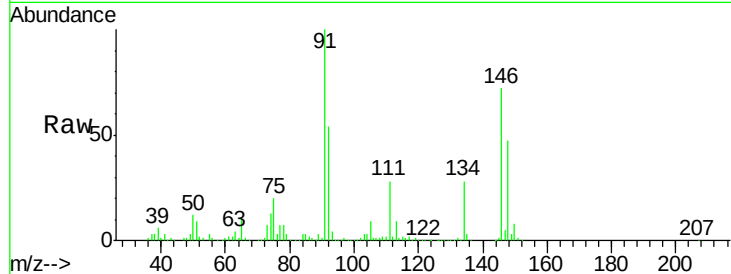
#91
 1,2-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143858		
111	37.4	18.6	55.8	
148	65.0	32.1	96.5	

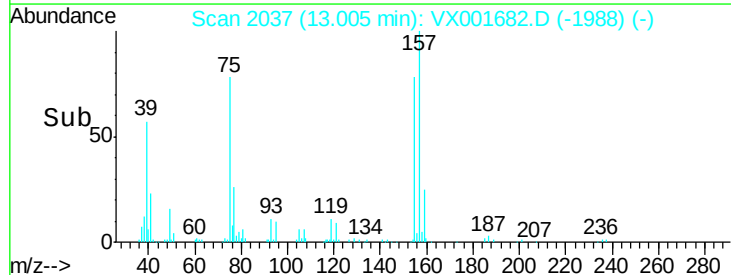
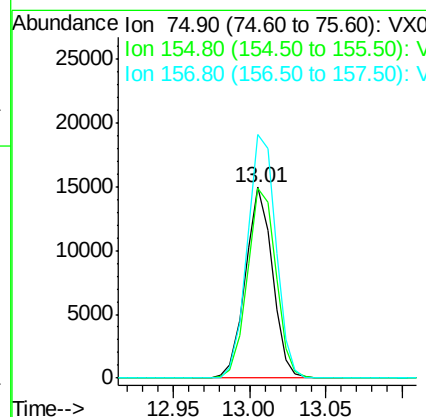
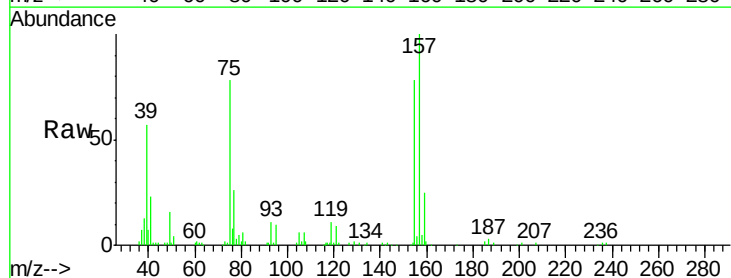
Manual Integrations
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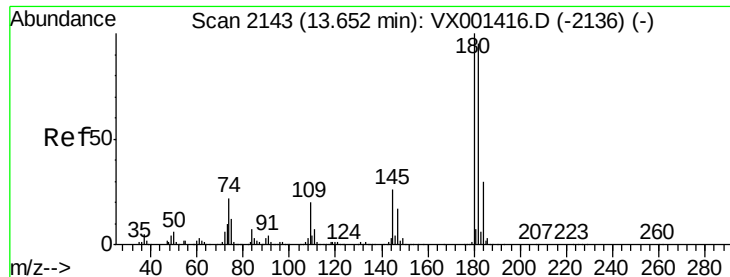
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.75 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18280		
155	105.4	53.4	160.2	
157	135.5	68.3	204.8	





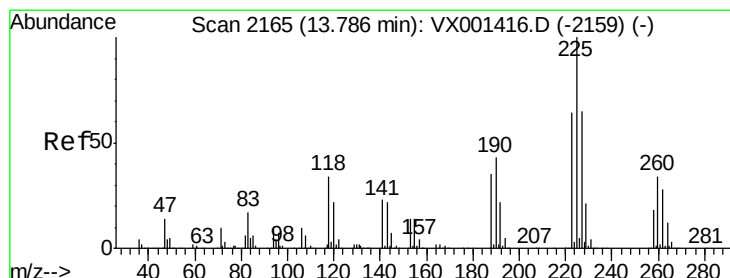
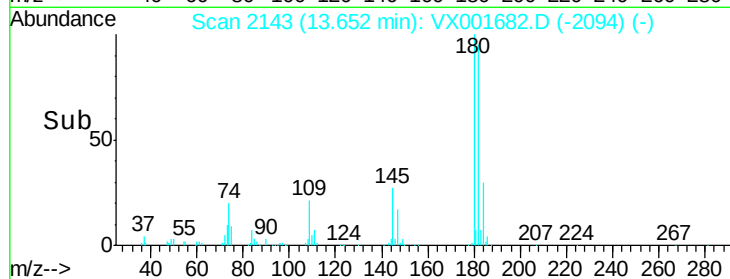
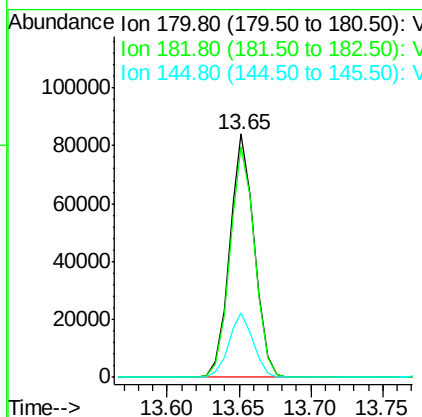
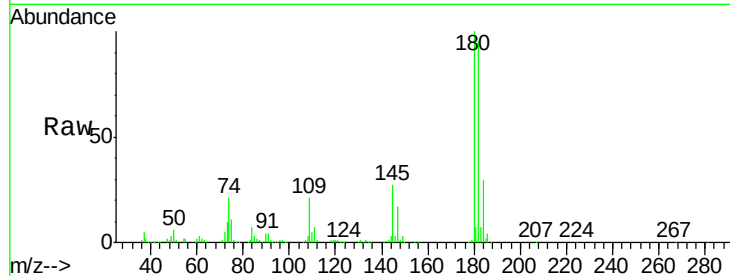
#93
 1,2,4-Trichlorobenzene
 Concen: 20.07 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.8	143.4	
145	26.2	13.3	39.9	

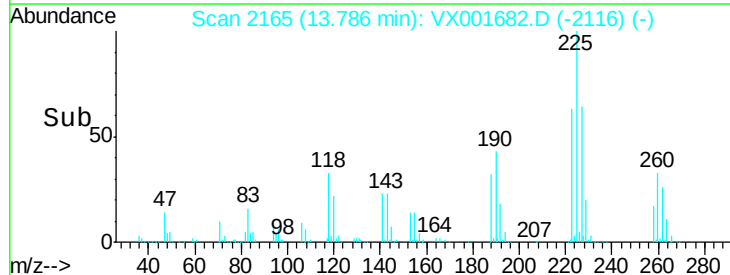
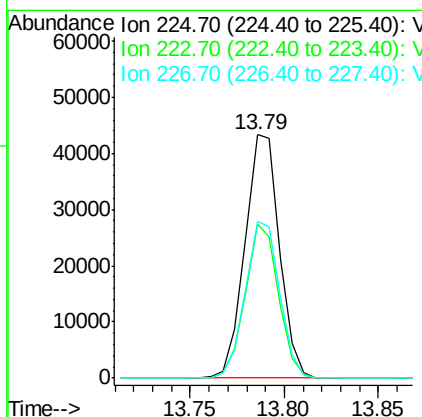
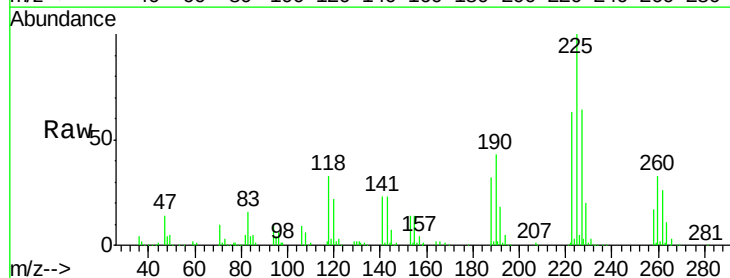
Manual Integrations
 APPROVED

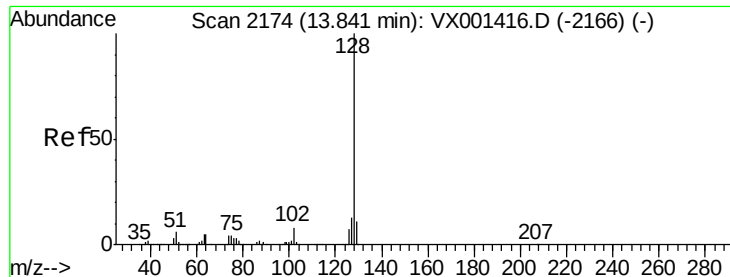
apatel
 5/15/2018 6:32:11 PM



#94
 Hexachlorobutadiene
 Concen: 20.04 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001682.D
 Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.8	31.3	93.9	
227	64.5	32.4	97.2	





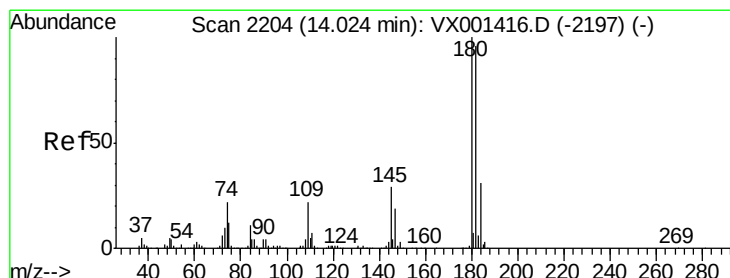
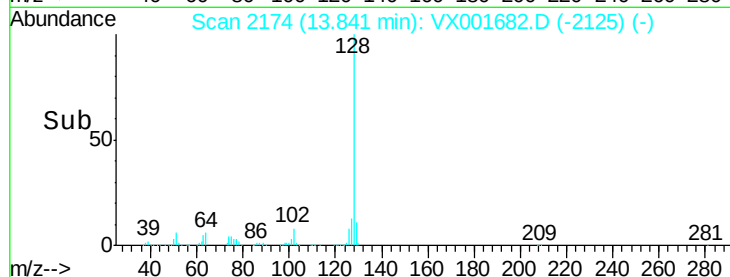
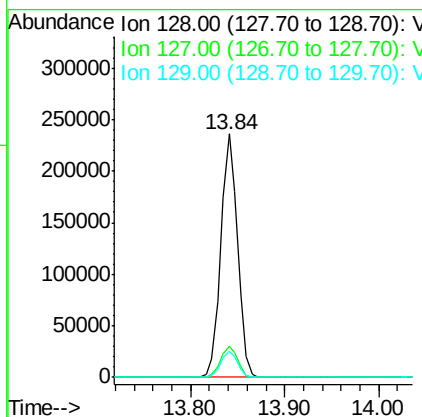
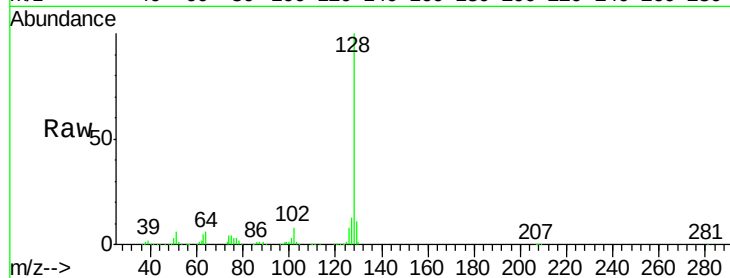
#95
Naphthalene
Concen: 20.91 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Instrument :
MSVOA_X
ClientSampleId :
VX0512WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	289775		
127	12.9		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
APPROVED

apatel
5/15/2018 6:32:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.81 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX001682.D
Acq: 12 May 2018 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106993		
182	95.4		48.0	144.2
145	28.7		14.1	42.4

