

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\
 Data File : VX000379.D
 Acq On : 21 Mar 2018 12:40
 Operator : JC/MD
 Sample : VX0321WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Manual Integrations
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 3/22/2018 2:44:30 PM

Quant Time: Mar 22 06:14:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	115323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	189302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	99548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	80018	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	5.51	113	60183	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	8.73	98	244338	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.15	95	87994	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25652	20.18	ug/l	94
3) Chloromethane	1.32	50	26520	19.81	ug/l	94
4) Vinyl Chloride	1.41	62	29953	21.17	ug/l	96
5) Bromomethane	1.65	94	25925	15.34	ug/l	93
6) Chloroethane	1.73	64	19006	23.66	ug/l	96
7) Trichlorofluoromethane	1.94	101	51044	19.99	ug/l	96
8) Diethyl Ether	2.20	74	19266	21.11	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28679	20.14	ug/l	99
10) Methyl Iodide	2.52	142	25199	20.61	ug/l	98
11) Tert butyl alcohol	3.07	59	52610	101.60	ug/l	100
12) 1,1-Dichloroethene	2.38	96	25994	20.80	ug/l	94
13) Acrolein	2.30	56	14921	99.56	ug/l	100
14) Allyl chloride	2.73	41	46797	21.14	ug/l	99
15) Acrylonitrile	3.15	53	107872	102.86	ug/l	99
16) Acetone	2.45	43	128215	102.39	ug/l	98
17) Carbon Disulfide	2.57	76	66193	19.92	ug/l	99
18) Methyl Acetate	2.78	43	56582	21.55	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	97645	21.12	ug/l	100
20) Methylene Chloride	2.87	84	30015	20.75	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	27577	19.78	ug/l	91
22) Diisopropyl ether	3.88	45	74540	19.08	ug/l	99
23) Vinyl Acetate	3.84	43	340246	91.85	ug/l	99
24) 1,1-Dichloroethane	3.71	63	53200	21.65	ug/l	100
25) 2-Butanone	4.71	43	142998	101.59	ug/l	100
26) 2,2-Dichloropropane	4.60	77	35723	20.75	ug/l	98
27) cis-1,2-Dichloroethene	4.62	96	26919	20.66	ug/l	99
28) Bromochloromethane	5.03	49	19287	19.04	ug/l	100
29) Tetrahydrofuran	5.18	42	85598	98.84	ug/l	99
30) Chloroform	5.23	83	47651	20.70	ug/l	99
31) Cyclohexane	5.59	56	37198	19.59	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	41304	19.89	ug/l	98
36) 1,1-Dichloropropene	5.81	75	33550	18.92	ug/l	97
37) Ethyl Acetate	4.87	43	47825	19.75	ug/l	99
38) Carbon Tetrachloride	5.80	117	34985	18.81	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	40992	19.01	ug/l	97
40) Benzene	6.15	78	103489	20.10	ug/l	98
41) Methacrylonitrile	5.07	41	24553	19.23	ug/l	97
42) 1,2-Dichloroethane	6.21	62	40661	20.13	ug/l	100
43) Isopropyl Acetate	6.48	43	72065	19.99	ug/l	98
44) Trichloroethene	7.22	130	28587	19.38	ug/l	98
45) 1,2-Dichloropropane	7.52	63	27668	20.99	ug/l	99
46) Dibromomethane	7.67	93	21026	20.32	ug/l	99
47) Bromodichloromethane	7.91	83	37321	20.50	ug/l	99
48) Methyl methacrylate	7.79	41	35142	20.08	ug/l	98
49) 1,4-Dioxane	7.77	88	13958	379.36	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	274644	98.41	ug/l	99
52) Toluene	8.79	92	71497	19.86	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	43064	20.42	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	40565	19.83	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	29397	19.86	ug/l	97
56) Ethyl methacrylate	9.19	69	43565	19.42	ug/l	97
57) 1,3-Dichloropropane	9.38	76	48870	20.64	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	115630	107.40	ug/l	98
59) 2-Hexanone	9.51	43	234062	98.77	ug/l	98
60) Dibromochloromethane	9.59	129	30516	20.10	ug/l	99
61) 1,2-Dibromoethane	9.68	107	31574	19.89	ug/l	98
64) Tetrachloroethene	9.34	164	29429	20.34	ug/l	96
65) Chlorobenzene	10.15	112	80197	19.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	28786	20.43	ug/l	99
67) Ethyl Benzene	10.26	91	139127	19.78	ug/l	98
68) m/p-Xylenes	10.37	106	106745	38.56	ug/l	100
69) o-Xylene	10.71	106	52195	19.48	ug/l	99
70) Styrene	10.72	104	84283	19.01	ug/l	99
71) Bromoform	10.87	173	23043	18.96	ug/l #	97
73) Isopropylbenzene	11.02	105	142368	21.59	ug/l	98
74) N-amyl acetate	6.48	43	72065	23.31	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	52433	22.48	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	46359m	21.67	ug/l	
77) Bromobenzene	11.26	156	35839	20.40	ug/l	99
78) n-propylbenzene	11.37	91	164372	20.90	ug/l	100
79) 2-Chlorotoluene	11.43	91	94836	20.87	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	118600	21.39	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	13063	19.77	ug/l	90
82) 4-Chlorotoluene	11.52	91	113768	20.97	ug/l	99
83) tert-Butylbenzene	11.78	119	116760	20.88	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	121738	20.94	ug/l	100
85) sec-Butylbenzene	11.96	105	145310	21.00	ug/l	99
86) p-Isopropyltoluene	12.07	119	126047	20.51	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	65377	19.68	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	68695	19.69	ug/l	98
89) n-Butylbenzene	12.40	91	115520	20.19	ug/l	98
90) Hexachloroethane	12.60	117	20738	21.44	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	66960	20.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13836	21.27	ug/l	95

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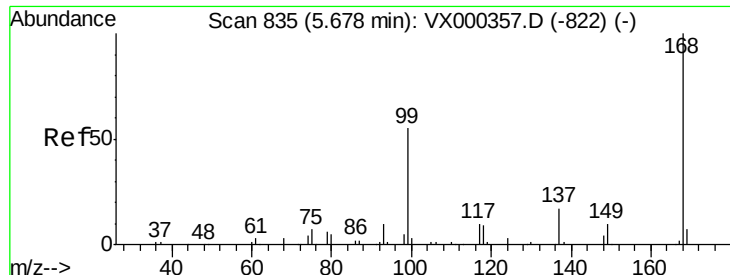
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46653	19.98	ug/l	99
94) Hexachlorobutadiene	13.79	225	20260	20.96	ug/l	97
95) Naphthalene	13.84	128	172536	21.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	47780	20.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion:168 Resp: 115323

Ion Ratio Lower Upper

168 100

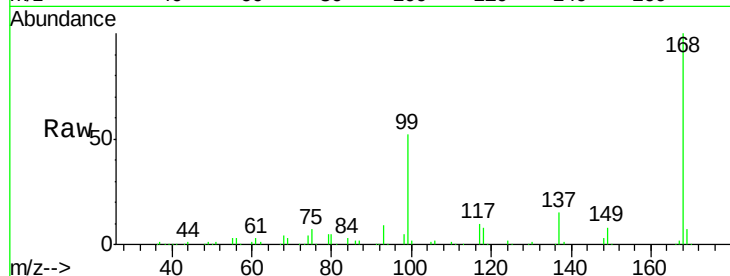
99 52.3 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

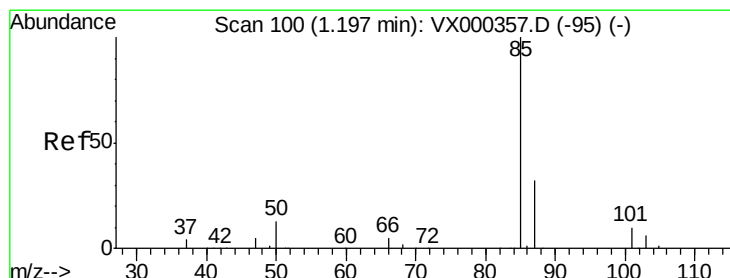
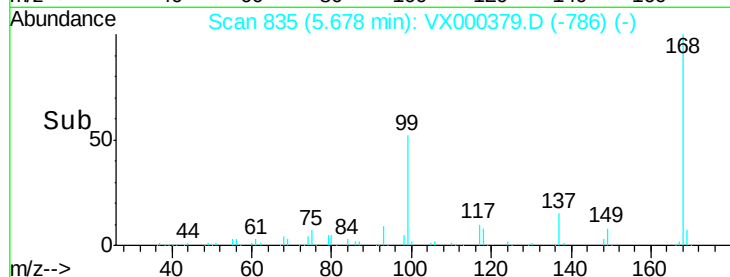
20000

10000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.18 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000379.D

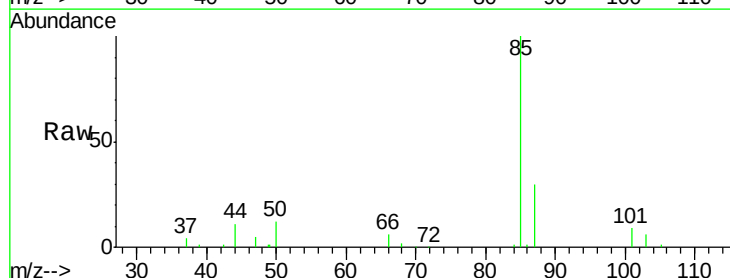
Acq: 21 Mar 2018 12:40

Tgt Ion: 85 Resp: 25652

Ion Ratio Lower Upper

85 100

87 30.3 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

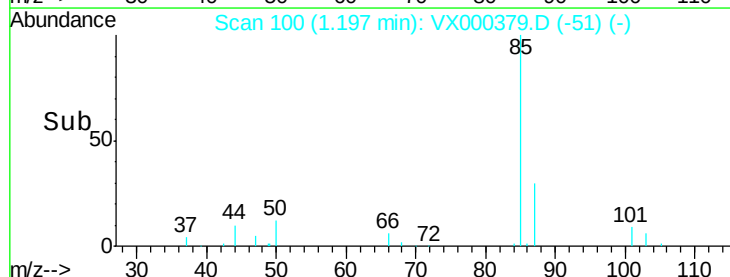
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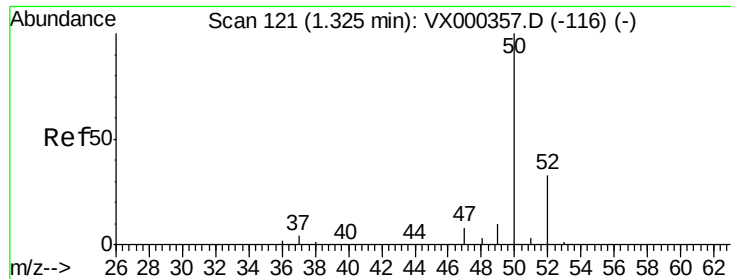
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.81 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 50 Resp: 26520

Ion Ratio Lower Upper

50 100

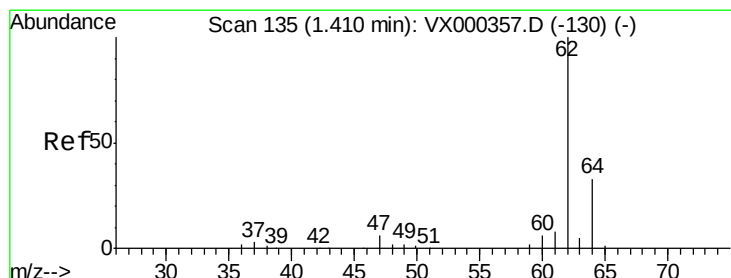
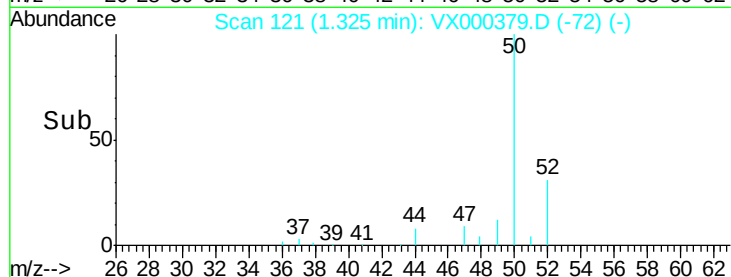
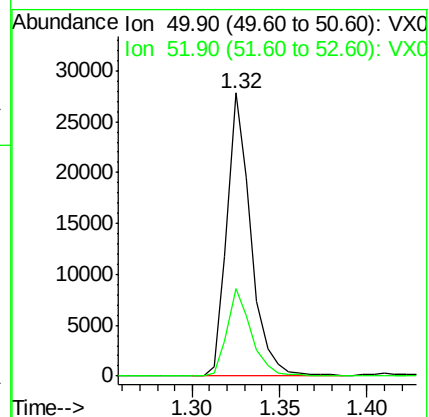
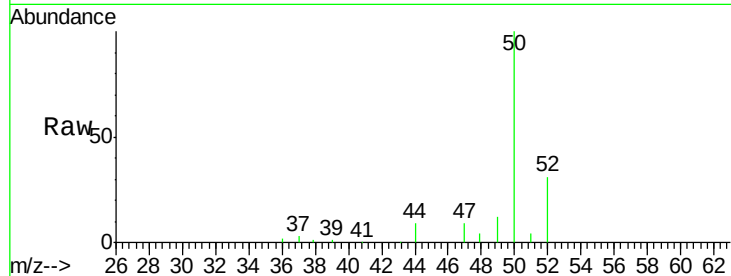
52 31.0 27.5 41.3

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#4

Vinyl Chloride

Concen: 21.17 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000379.D

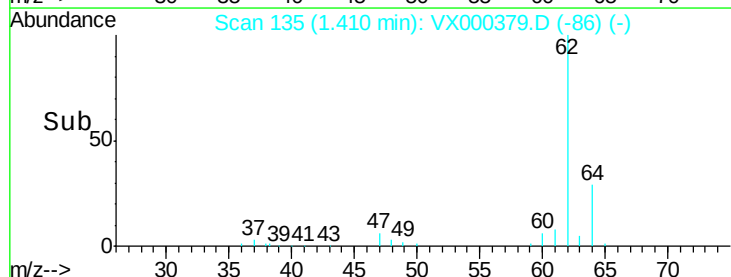
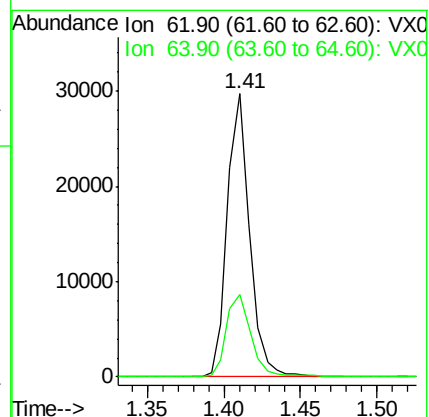
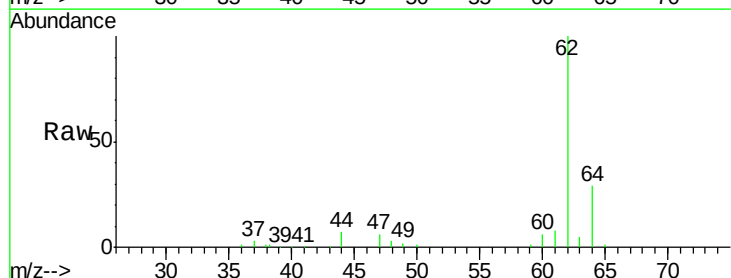
Acq: 21 Mar 2018 12:40

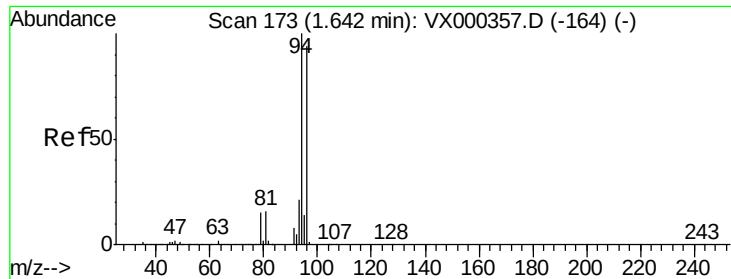
Tgt Ion: 62 Resp: 29953

Ion Ratio Lower Upper

62 100

64 29.0 24.8 37.2





#5

Bromomethane

Concen: 15.34 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 94 Resp: 25925

Ion Ratio Lower Upper

94 100

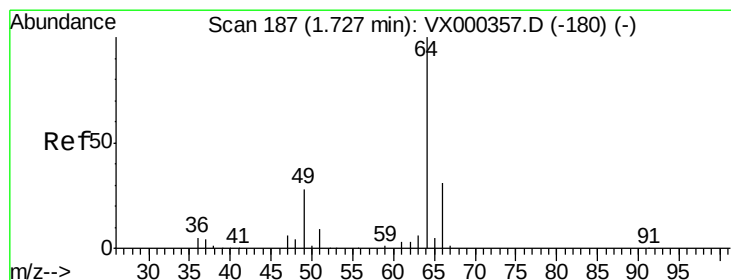
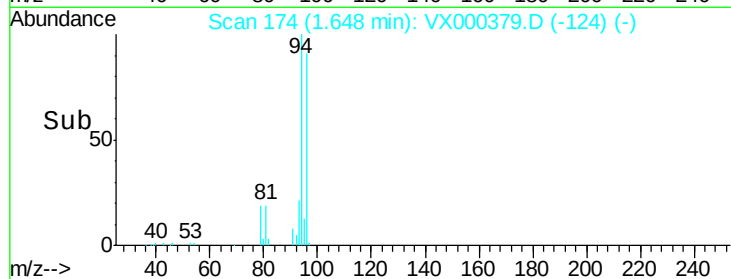
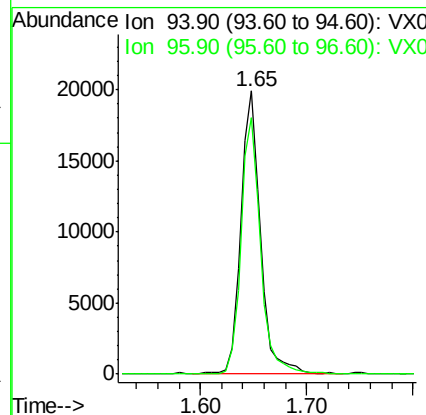
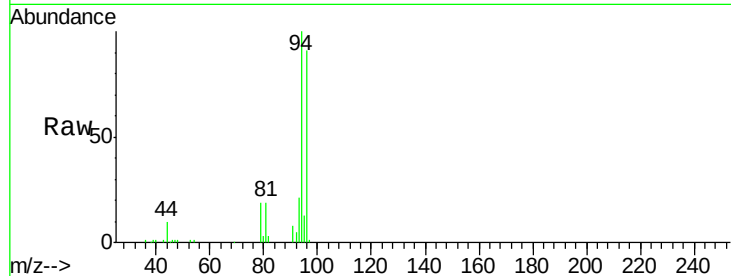
96 90.5 77.7 116.5

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#6

Chloroethane

Concen: 23.66 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000379.D

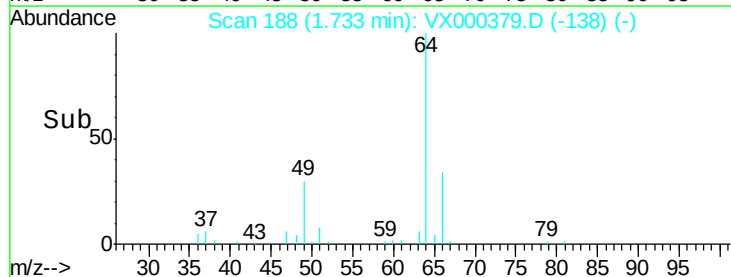
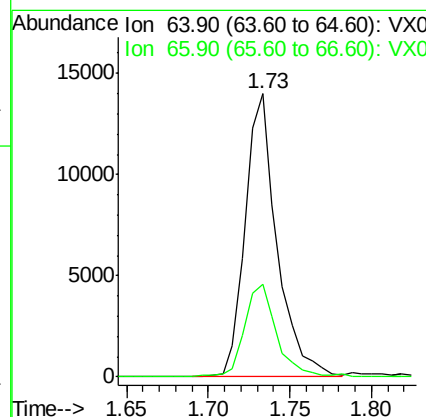
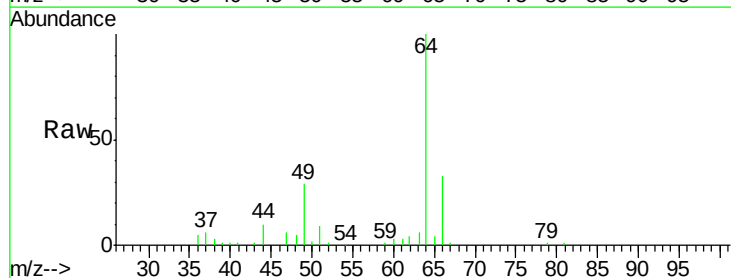
Acq: 21 Mar 2018 12:40

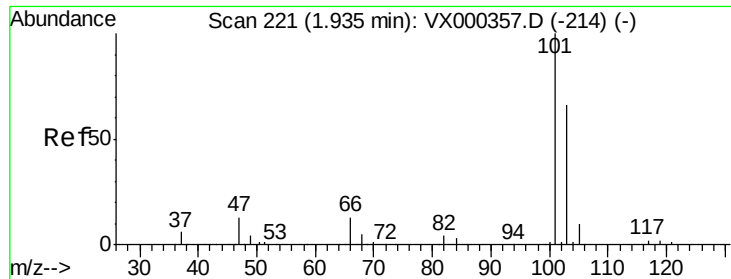
Tgt Ion: 64 Resp: 19006

Ion Ratio Lower Upper

64 100

66 32.9 24.8 37.2





#7

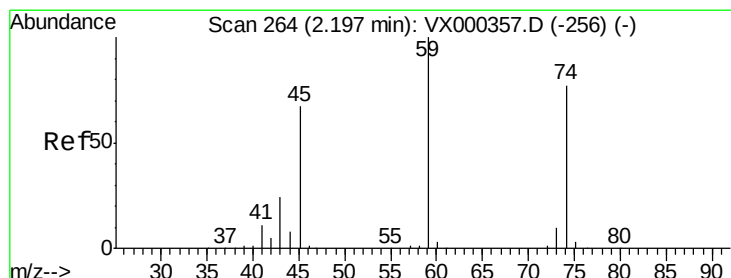
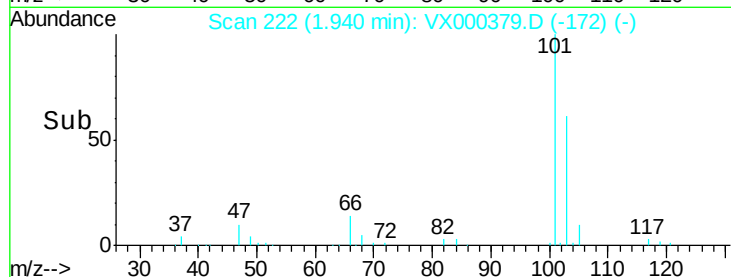
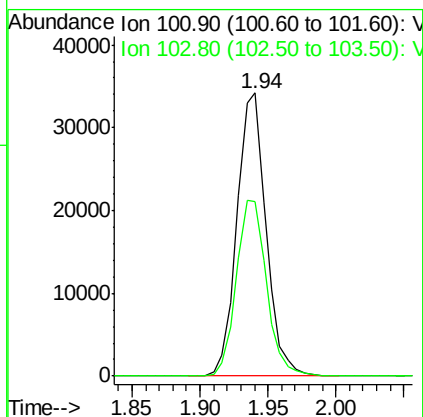
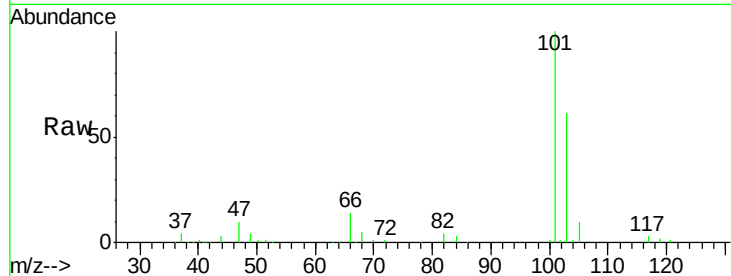
Trichlorofluoromethane
Concen: 19.99 ug/l
RT: 1.94 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

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ClientSampleId :
VX0321WBSD02

Tot Ion:101 Resp: 51044
Ion Ratio Lower Upper
101 100
103 61.5 51.6 77.4

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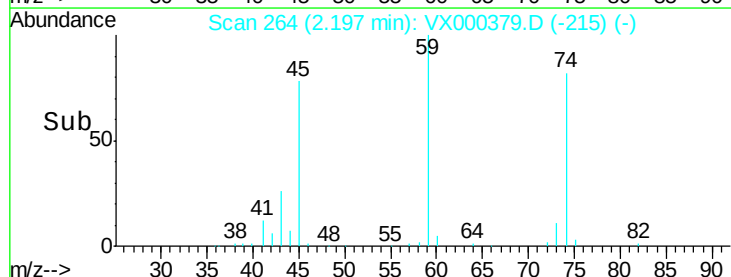
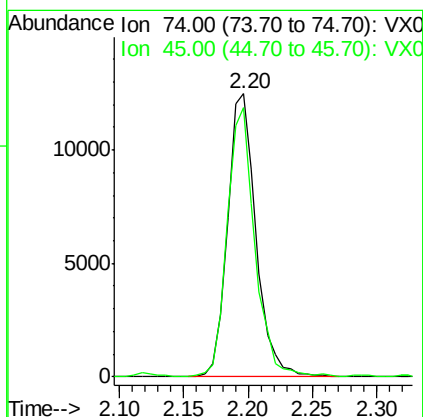
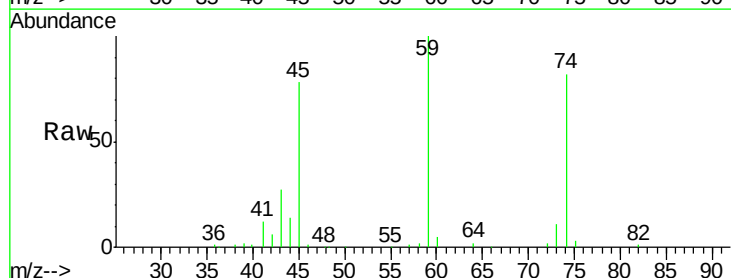
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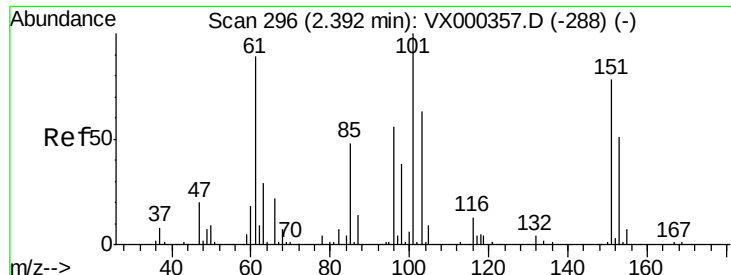


#8

Diethyl Ether
Concen: 21.11 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion: 74 Resp: 19266
Ion Ratio Lower Upper
74 100
45 93.3 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.14 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

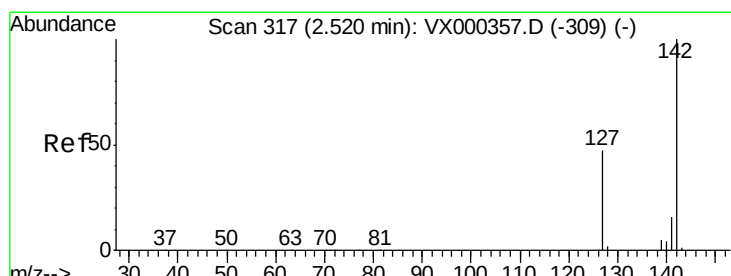
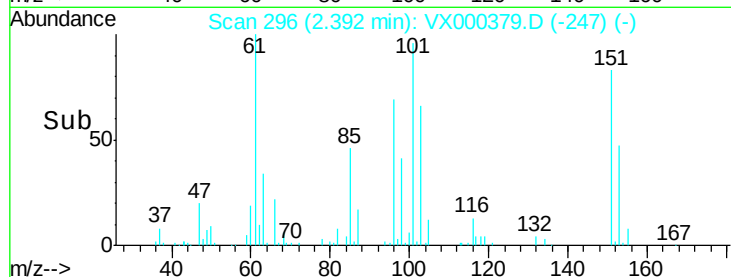
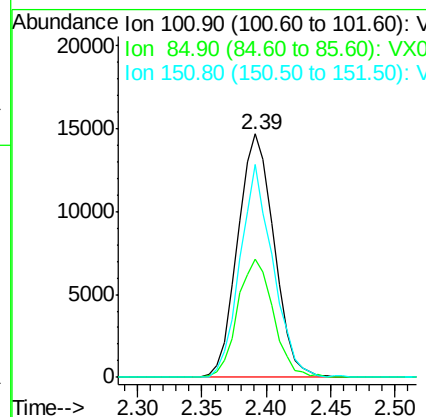
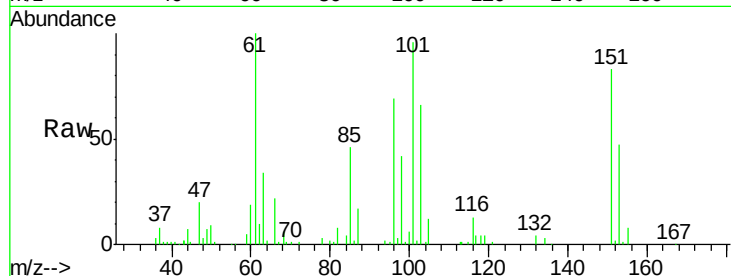
ClientSampleId :

VX0321WBSD02

Tot Ion:	101	Resp:	28679
Ion Ratio	Lower	Upper	
101	100		
85	47.7	37.6	56.4
151	79.5	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.61 ug/l

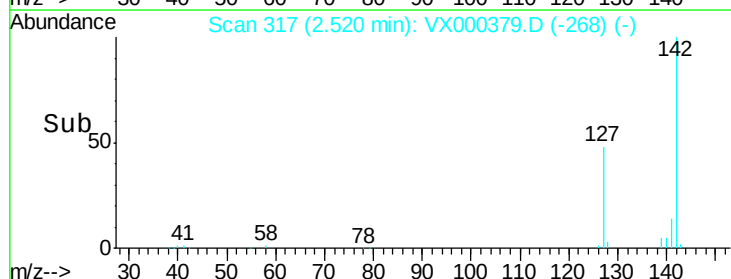
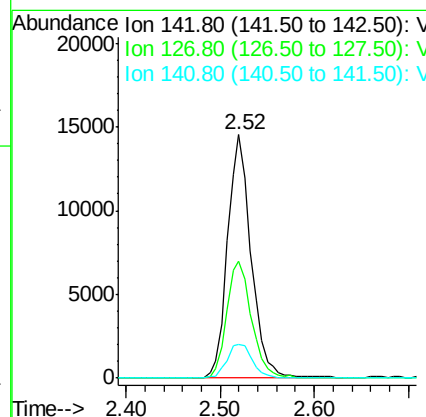
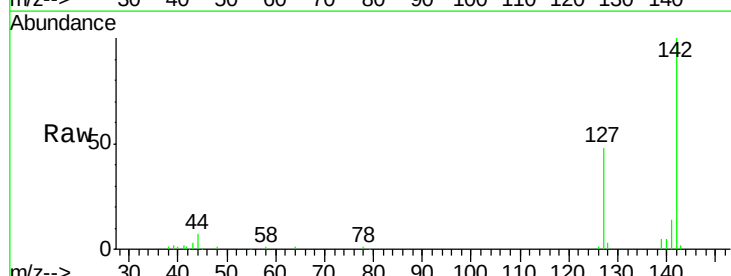
RT: 2.52 min Scan# 317

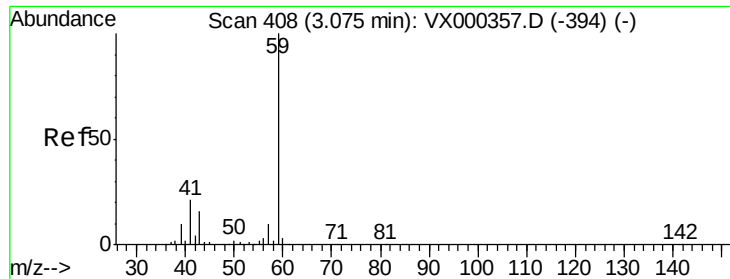
Delta R.T. 0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	142	Resp:	25199
Ion Ratio	Lower	Upper	
142	100		
127	50.3	39.2	58.8
141	15.1	11.7	17.5





#11

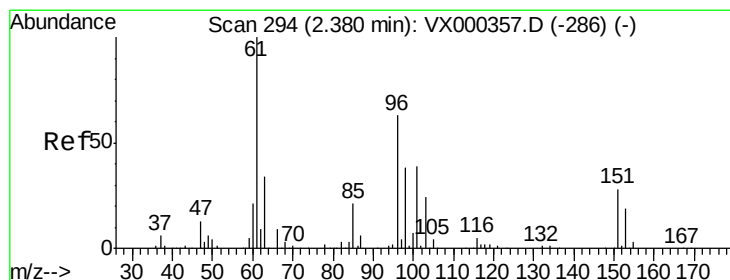
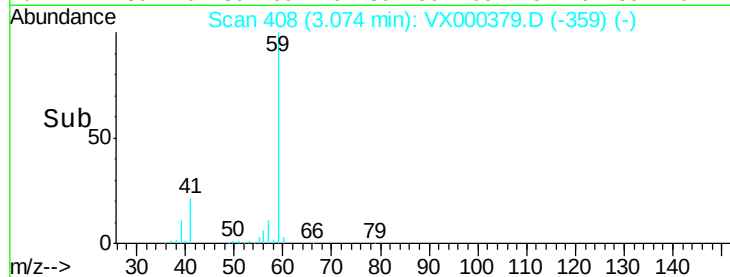
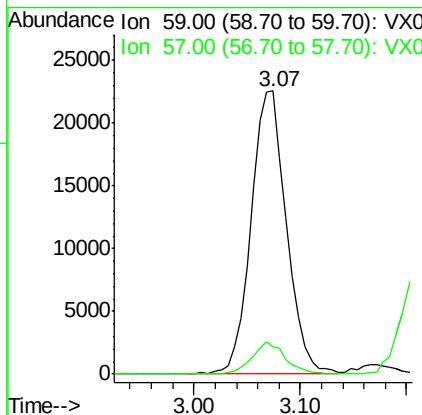
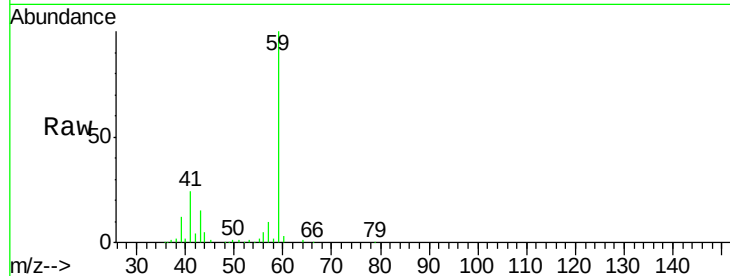
Tert butyl alcohol
 Concen: 101.60 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0321WBSD02

Tot Ion	59	Resp	52610
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
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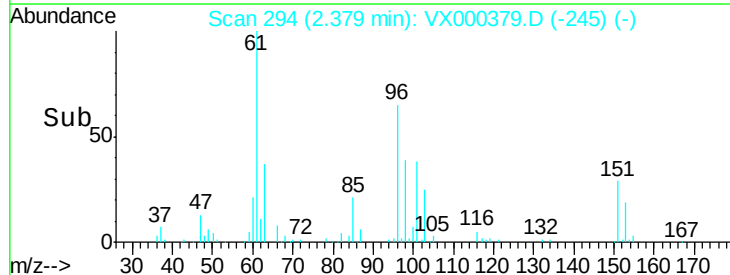
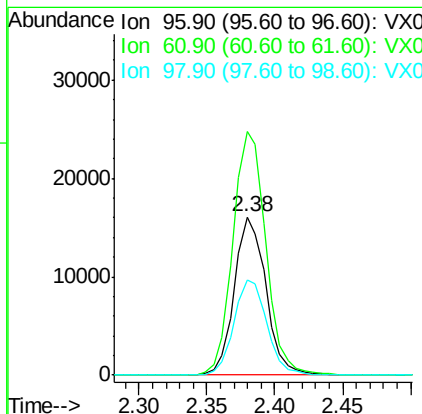
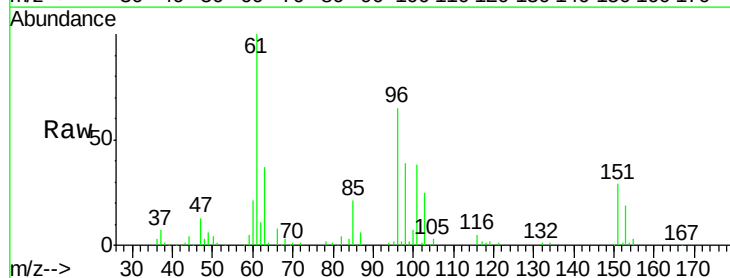
apatel
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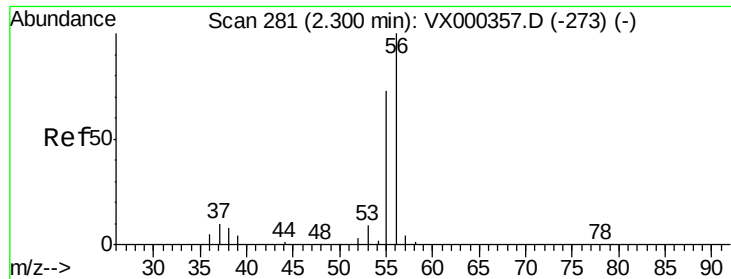


#12

1,1-Dichloroethene
 Concen: 20.80 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	96	Resp	25994
Ion Ratio	100	Lower	Upper
61	153.8	131.2	196.8
98	60.3	49.8	74.8





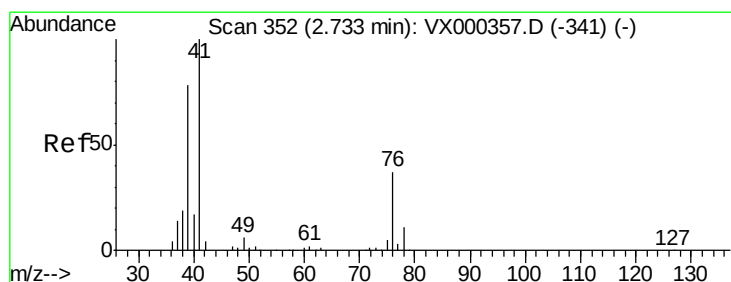
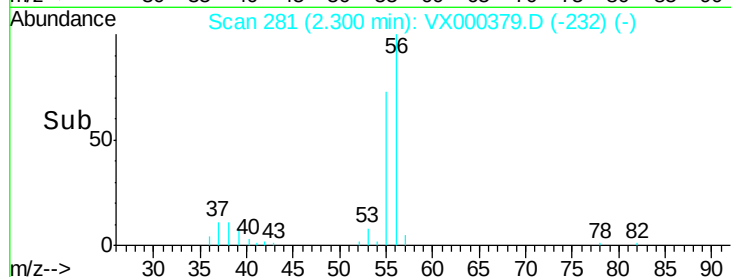
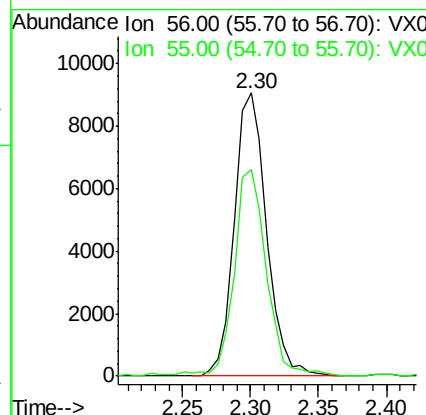
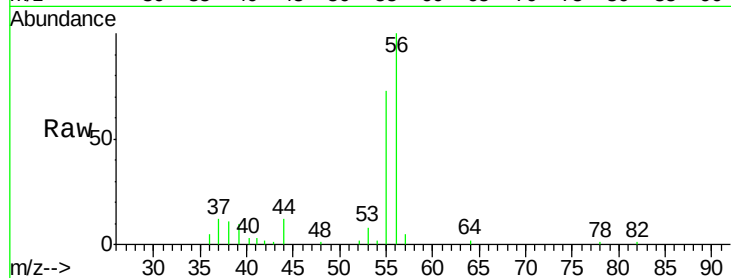
#13
 Acrolein
 Concen: 99.56 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	56	55	Ratio	100	73.9	Resp	14921	Lower	58.8	Upper	88.2
Ion	56	55	Ratio	100	73.9	Resp	14921	Lower	58.8	Upper	88.2

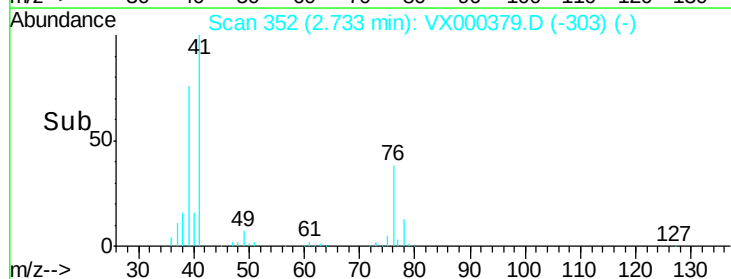
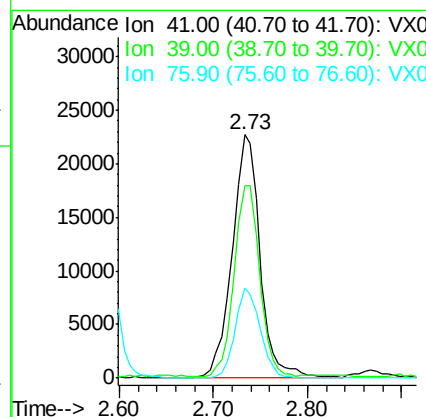
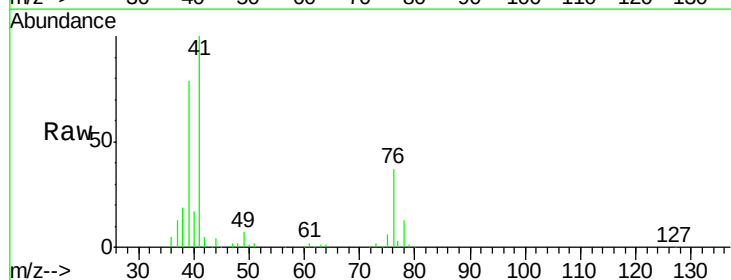
Manual Integrations
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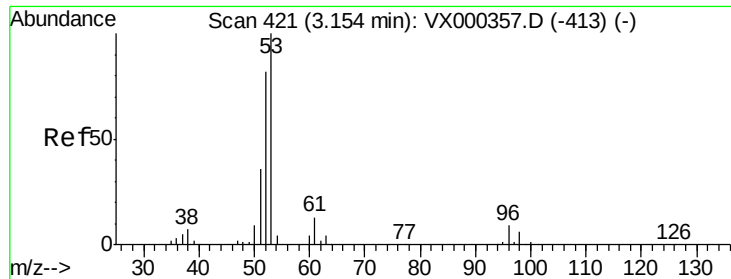
apatel
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#14
 Allyl chloride
 Concen: 21.14 ug/l
 RT: 2.73 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	41	39	76	Ratio	100	72.2	33.1	Resp	46797	Lower	57.6	Upper	86.4	40.9
Ion	41	39	76	Ratio	100	72.2	33.1	Resp	46797	Lower	57.6	Upper	86.4	40.9





#15

Acrylonitrile

Concen: 102.86 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

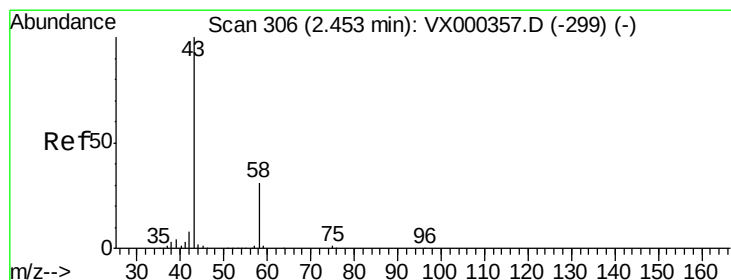
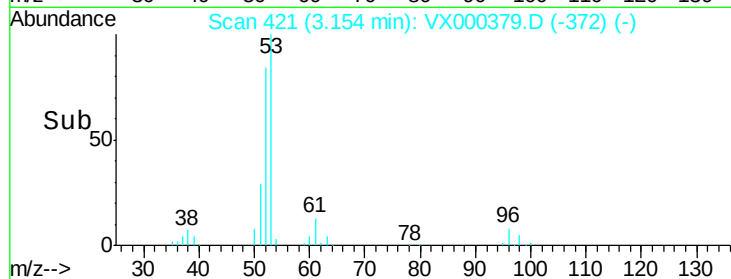
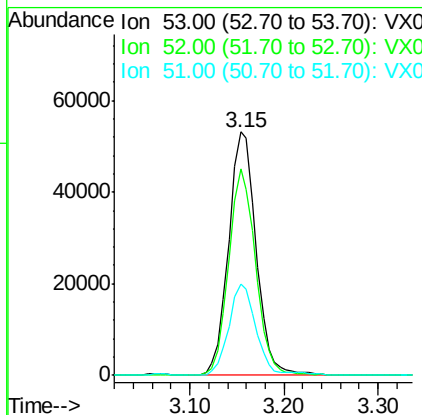
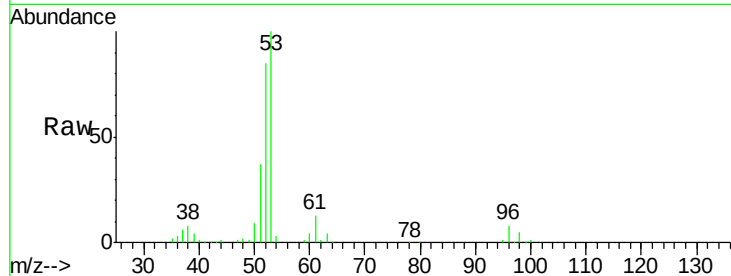
ClientSampleId :

VX0321WBSD02

Tot Ion:	53	Resp:	107872
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	99.8
51	37.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 102.39 ug/l

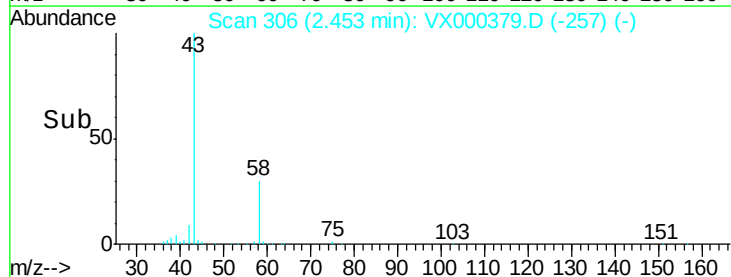
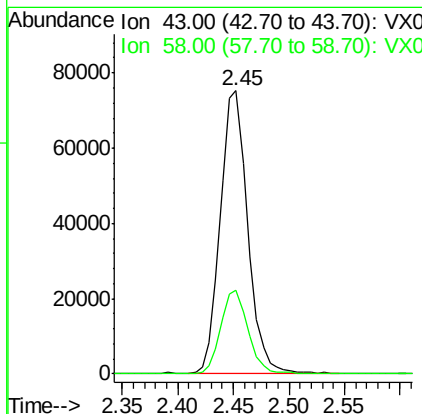
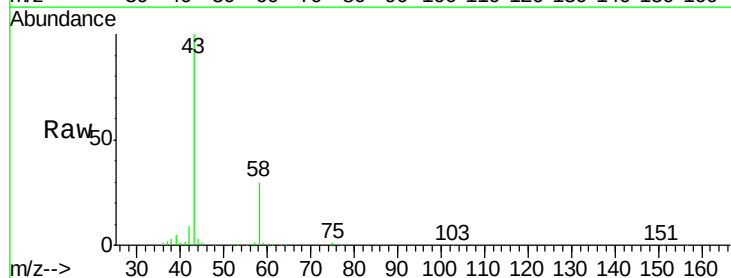
RT: 2.45 min Scan# 306

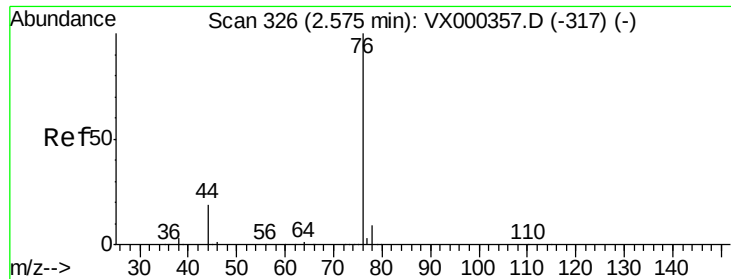
Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	43	Resp:	128215
Ion Ratio		Lower	Upper
43	100		
58	29.8	24.7	37.1





#17

Carbon Disulfide

Concen: 19.92 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 76 Resp: 66193

Ion Ratio Lower Upper

76 100

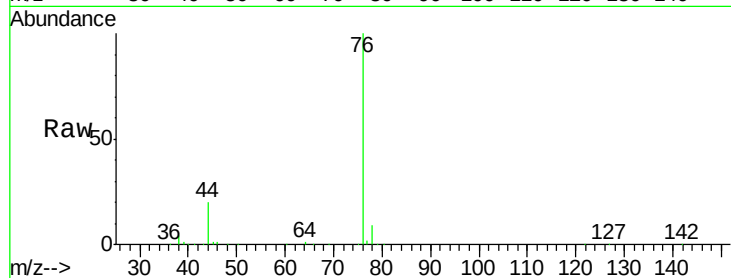
78 8.6 7.0 10.6

Manual Integrations

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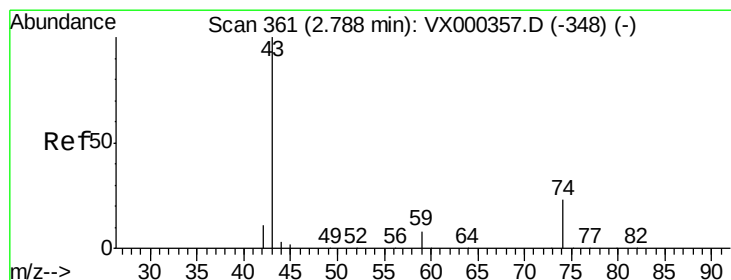
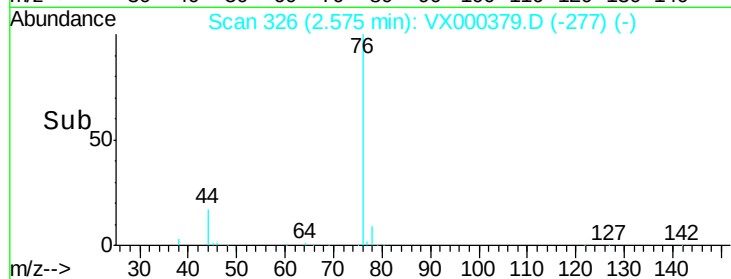
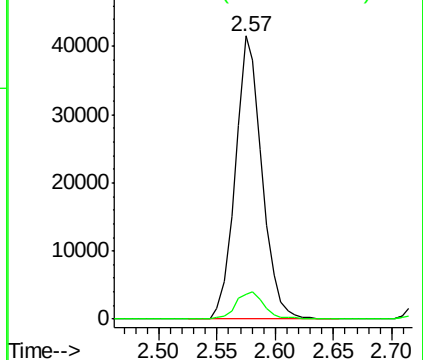
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.55 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000379.D

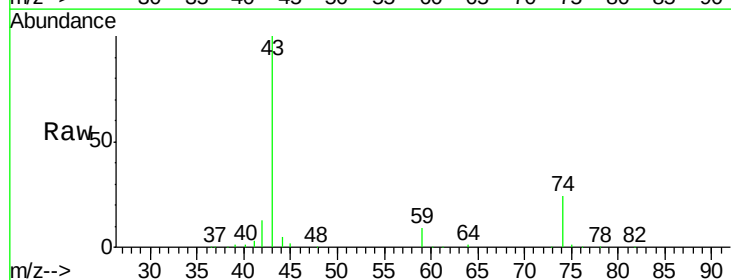
Acq: 21 Mar 2018 12:40

Tgt Ion: 43 Resp: 56582

Ion Ratio Lower Upper

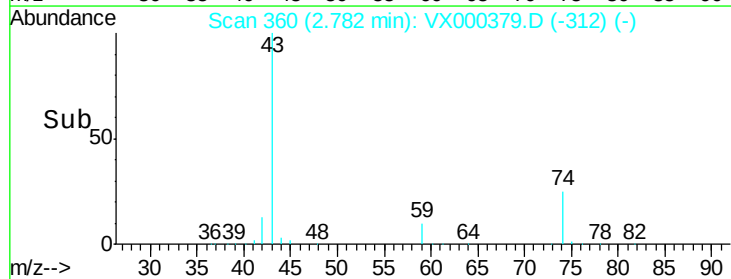
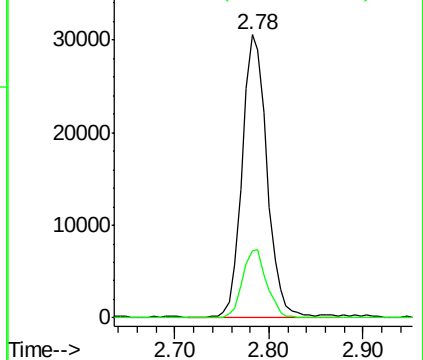
43 100

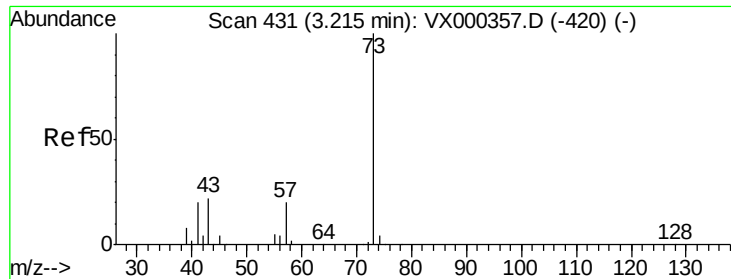
74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





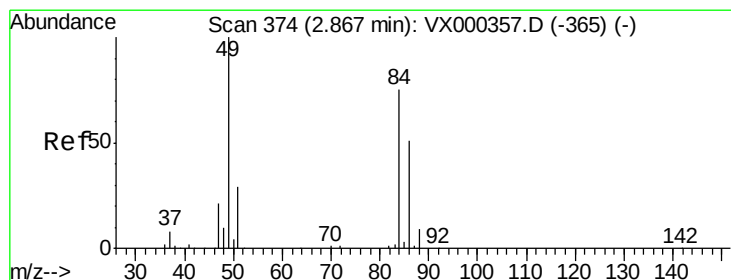
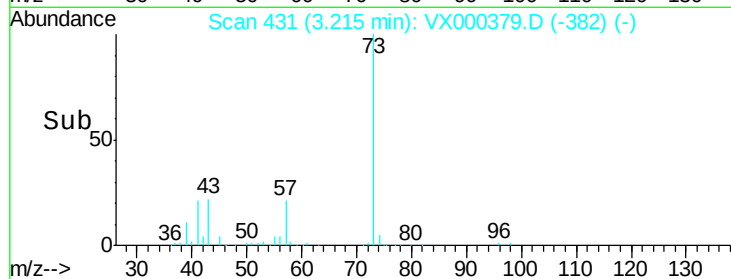
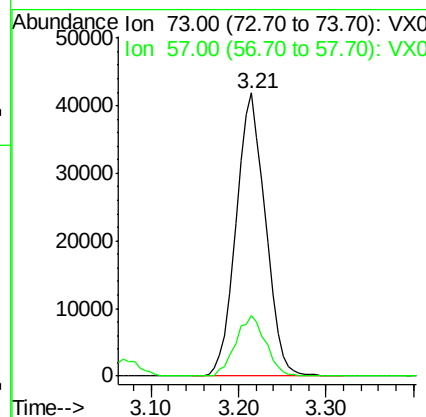
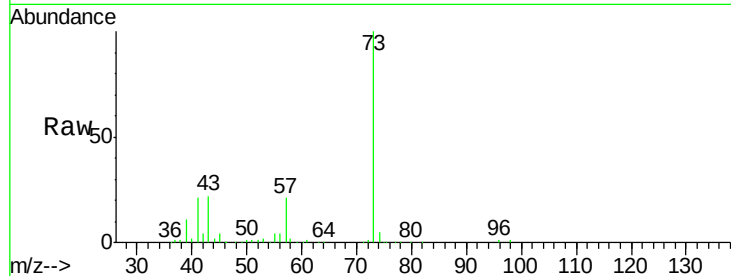
#19
Methyl tert-butyl Ether
Concen: 21.12 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion	73	Resp	97645
Ion Ratio	100	Lower	Upper
73	100		
57	21.3	17.2	25.8

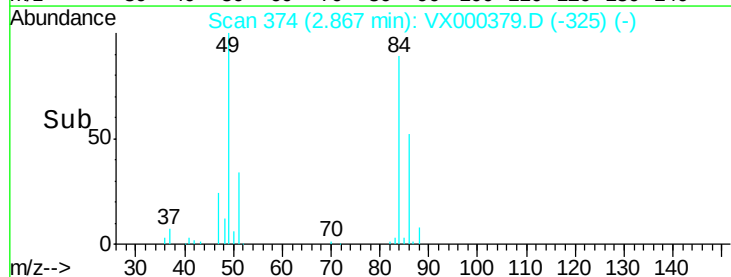
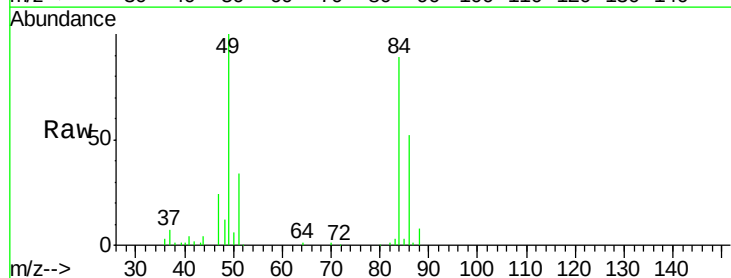
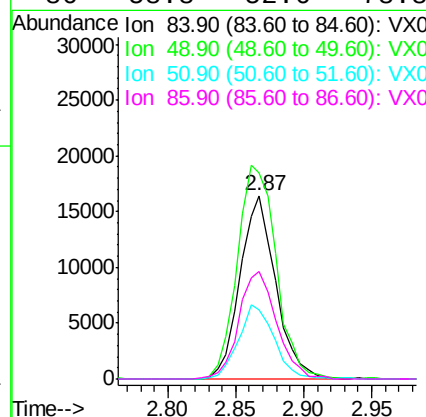
Manual Integrations
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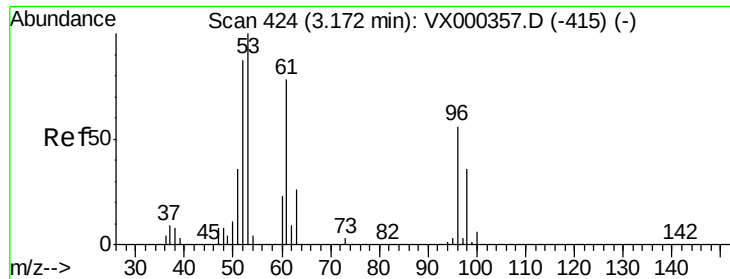
apatel
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#20
Methylene Chloride
Concen: 20.75 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	84	Resp	30015
Ion Ratio	100	Lower	Upper
84	100		
49	112.7	100.6	151.0
51	38.0	31.6	47.4
86	58.8	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 19.78 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 96 Resp: 27577

Ion Ratio Lower Upper

96 100

61 142.2 104.0 156.0

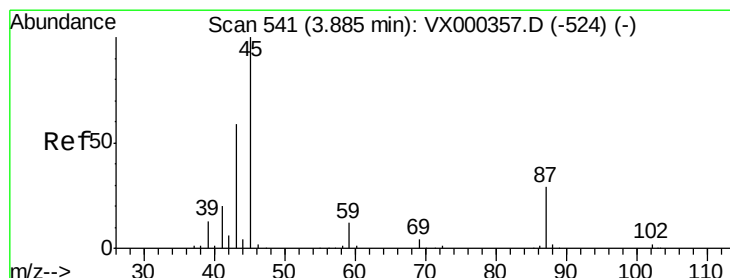
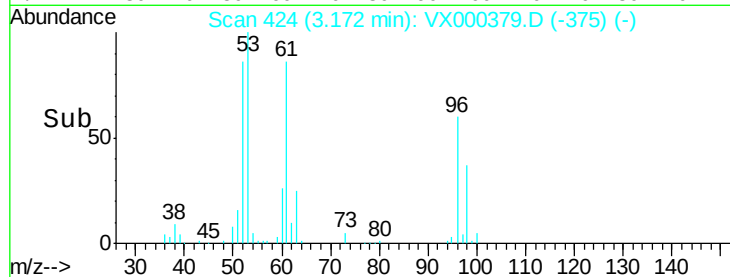
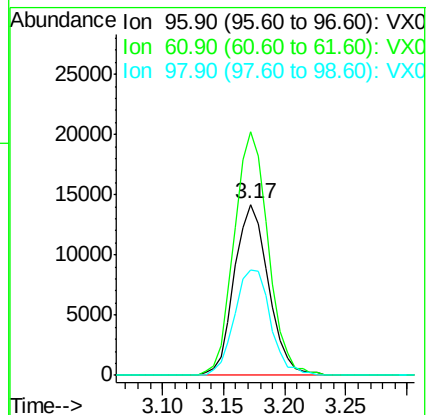
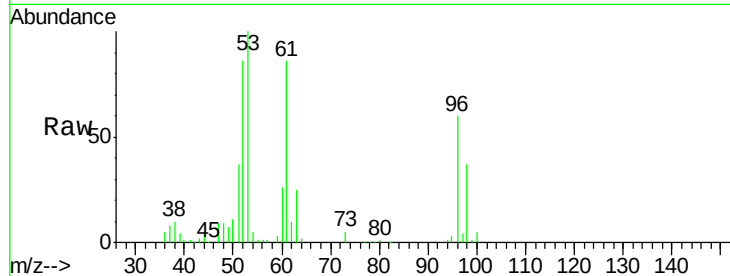
98 61.4 52.1 78.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.08 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion: 45 Resp: 74540

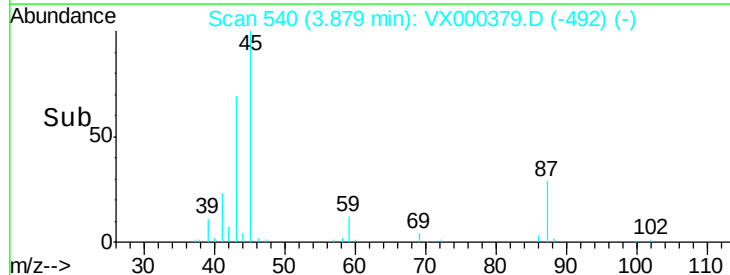
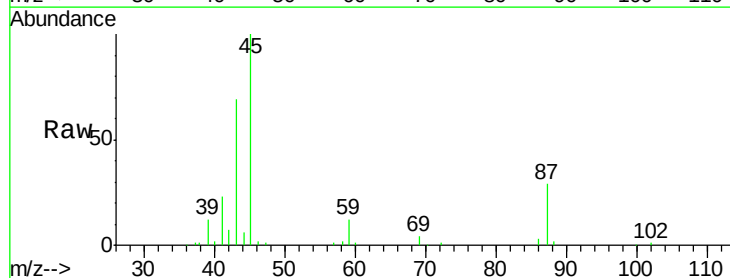
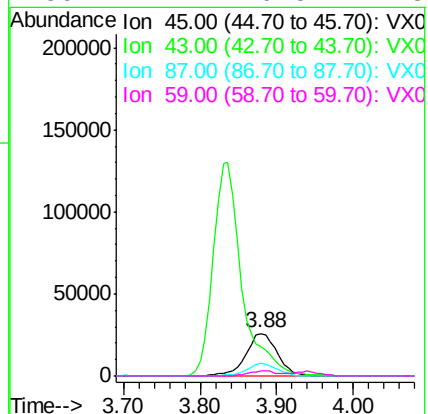
Ion Ratio Lower Upper

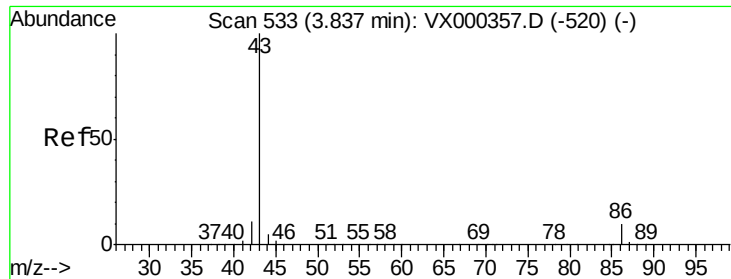
45 100

43 67.9 53.9 80.9

87 29.5 22.6 34.0

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 91.85 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 43 Resp: 340246

Ion Ratio Lower Upper

43 100

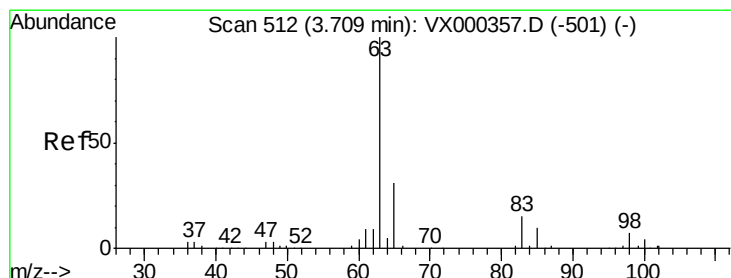
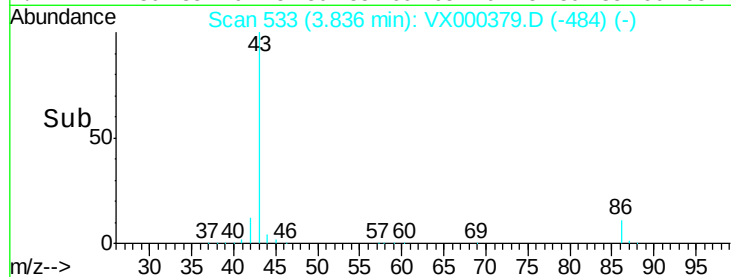
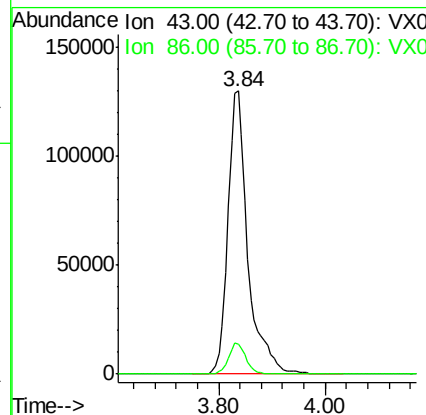
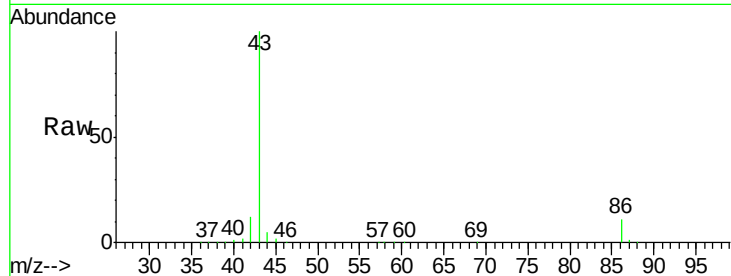
86 10.5 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.65 ug/l

RT: 3.71 min Scan# 512

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

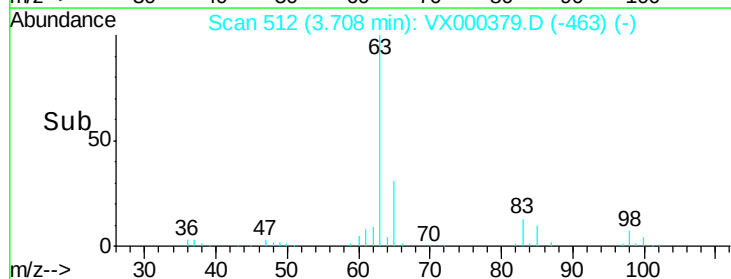
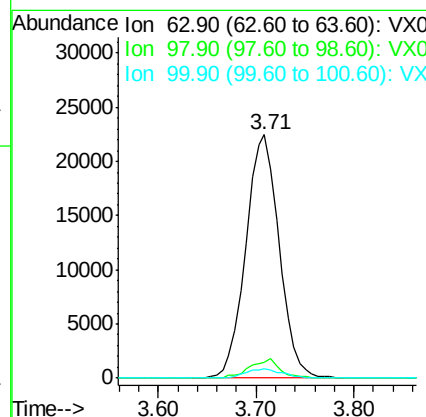
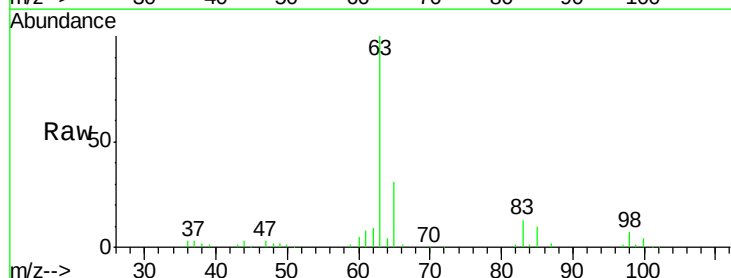
Tgt Ion: 63 Resp: 53200

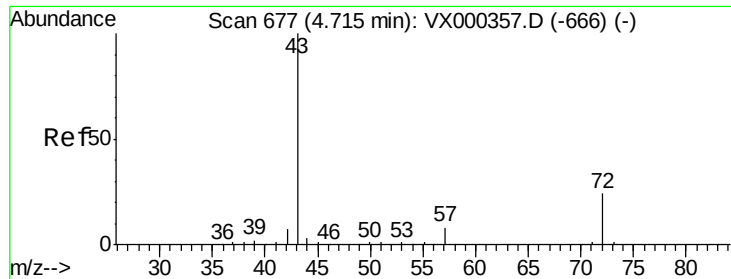
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 101.59 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tot Ion: 43 Resp: 142998

Ion Ratio Lower Upper

43 100

72 26.2 21.0 31.6

Instrument :

MSVOA_X

ClientSampleId :

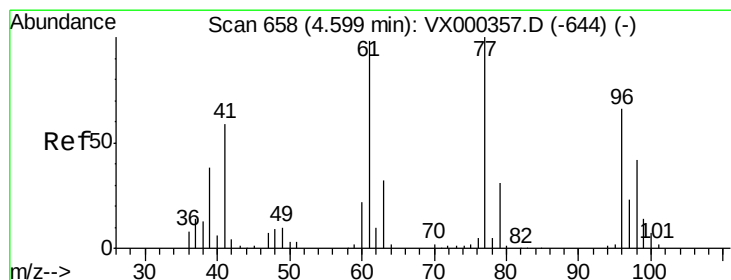
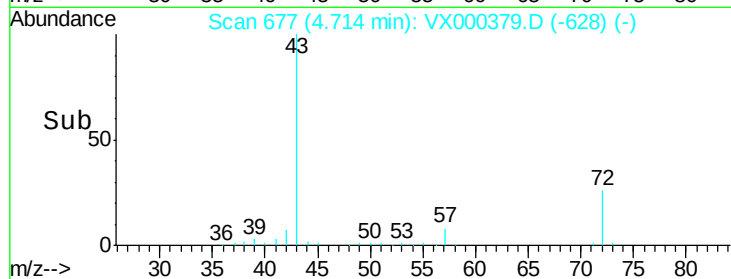
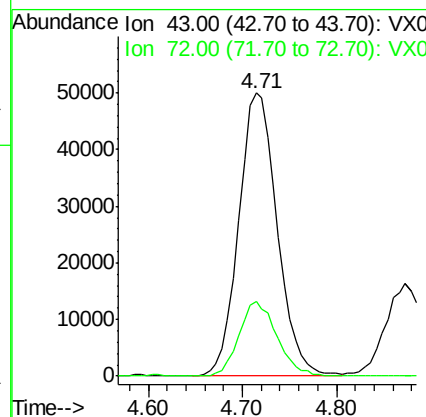
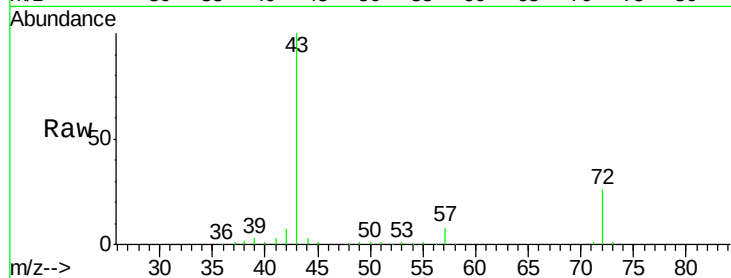
VX0321WBSD02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.75 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000379.D

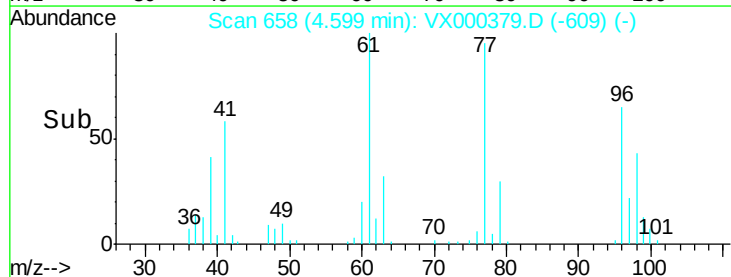
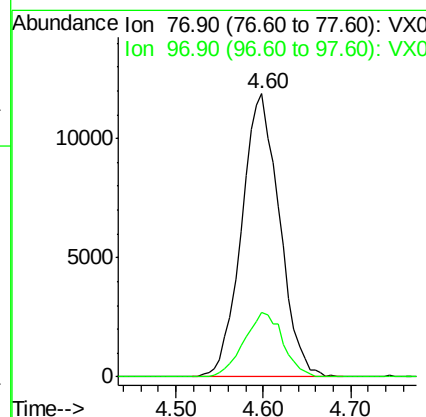
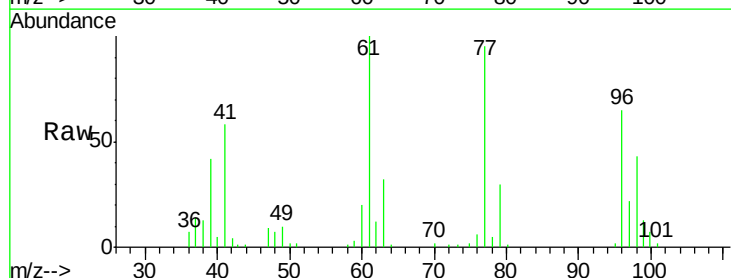
Acq: 21 Mar 2018 12:40

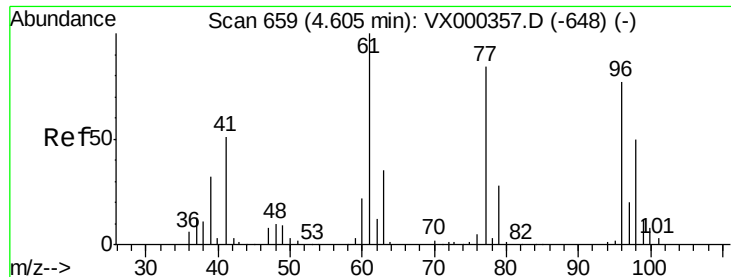
Tgt Ion: 77 Resp: 35723

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8





#27

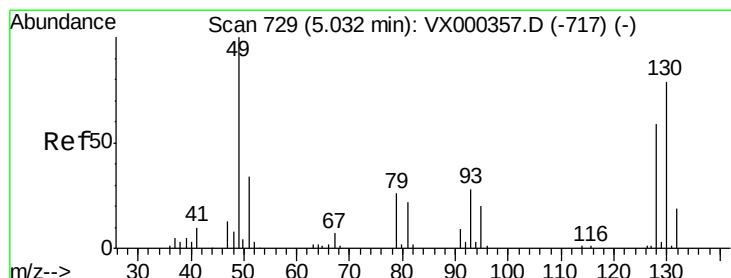
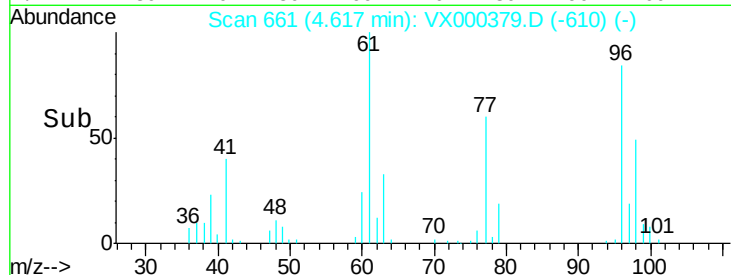
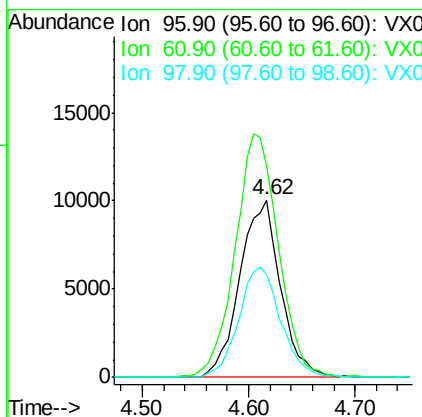
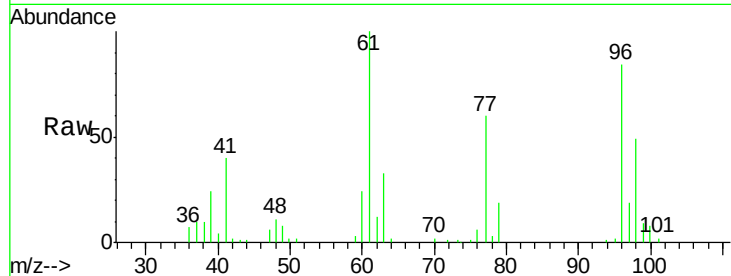
cis-1,2-Dichloroethene
Concen: 20.66 ug/l
RT: 4.62 min Scan# 661
Delta R.T. 0.01 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	291.6
98	64.3	0.0	132.0

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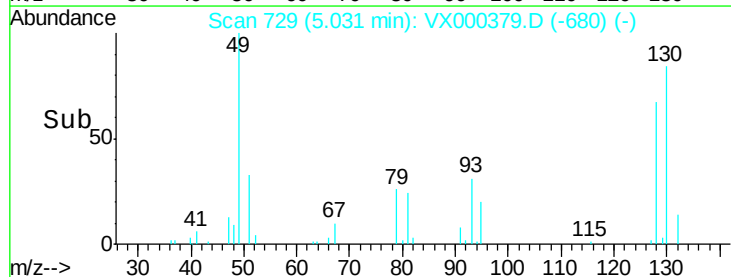
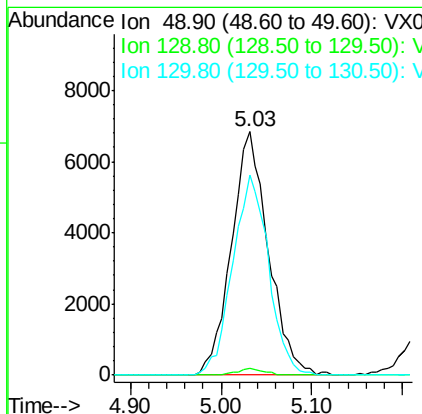
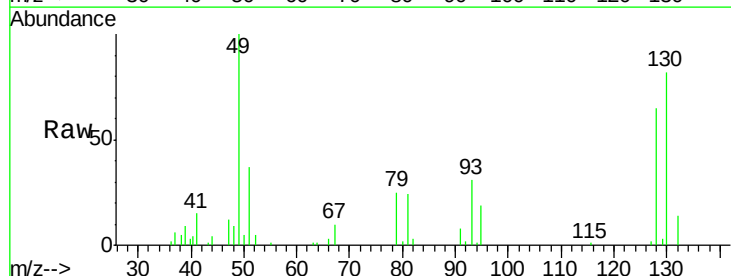
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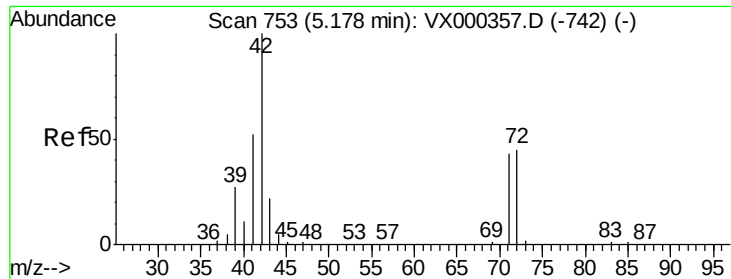


#28

Bromochloromethane
Concen: 19.04 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.0
130	79.8	64.0	96.0





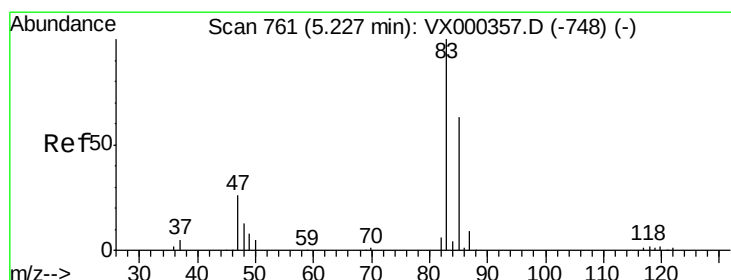
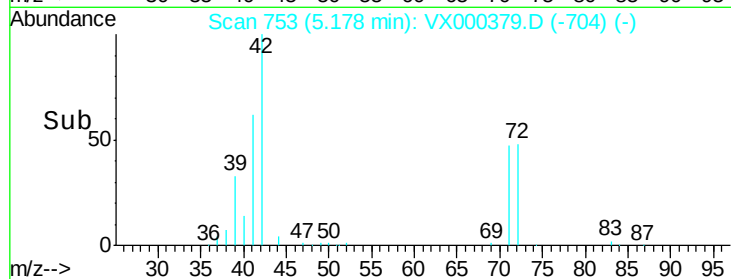
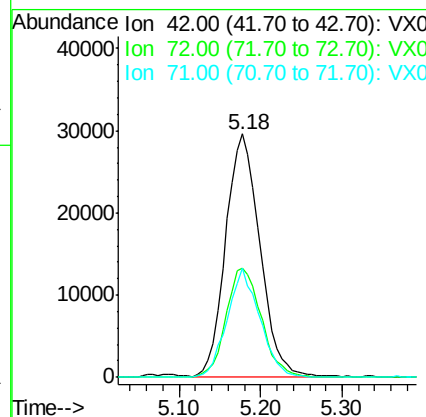
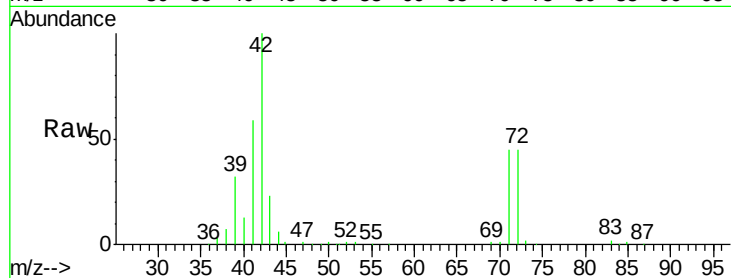
#29
Tetrahydrofuran
Concen: 98.84 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.9	56.9
71	43.1	34.4	51.6

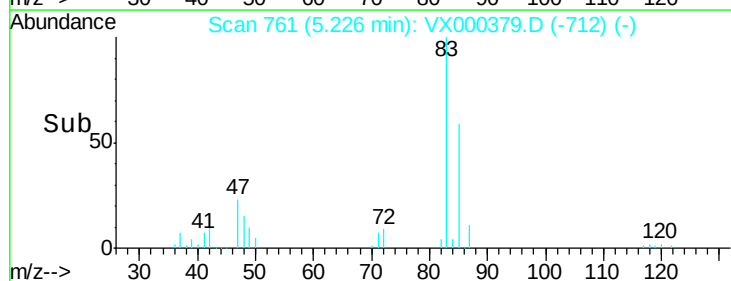
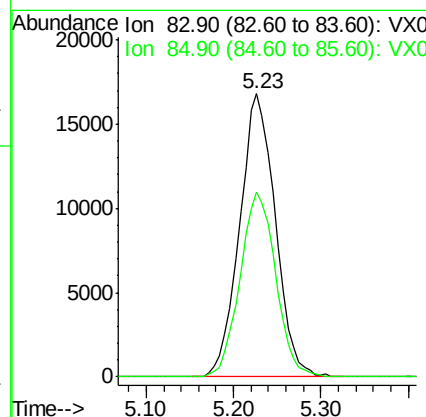
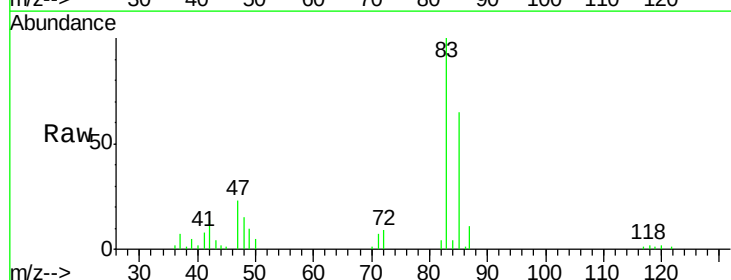
Manual Integrations
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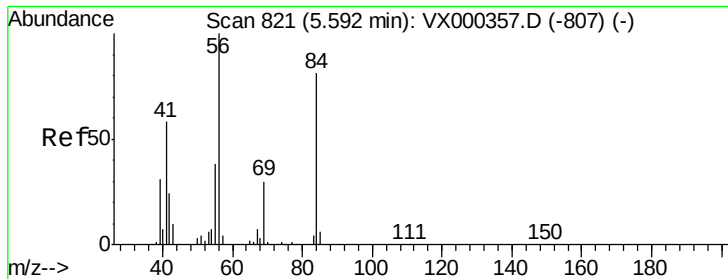
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#30
Chloroform
Concen: 20.70 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.3	79.9





#31

Cyclohexane

Concen: 19.59 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

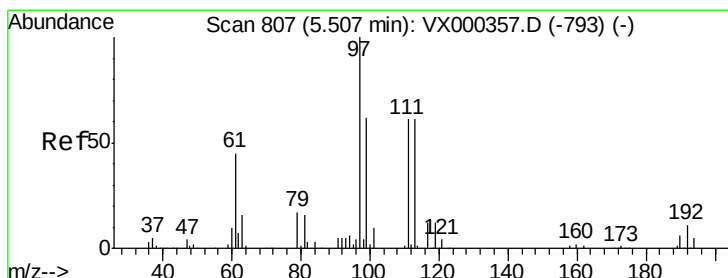
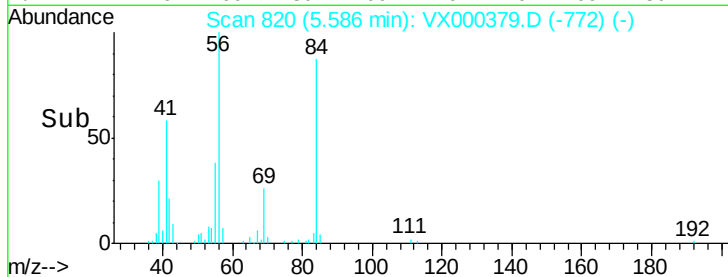
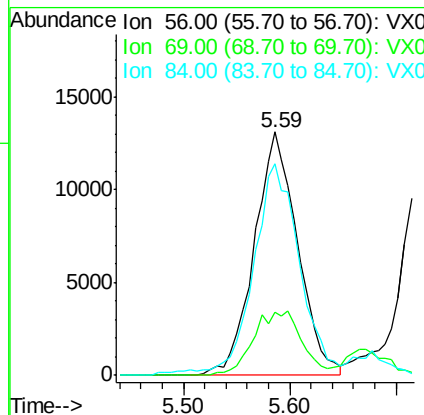
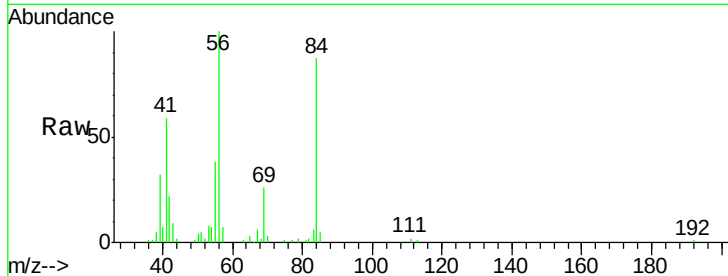
ClientSampled :

VX0321WBSD02

Tot Ion:	56	Resp:	37198
Ion	Ratio	Lower	Upper
56	100		
69	26.1	23.4	35.0
84	84.8	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.89 ug/l

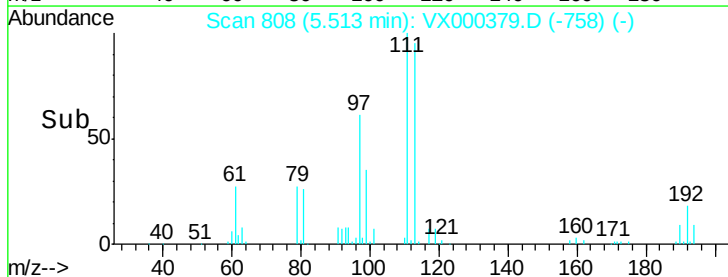
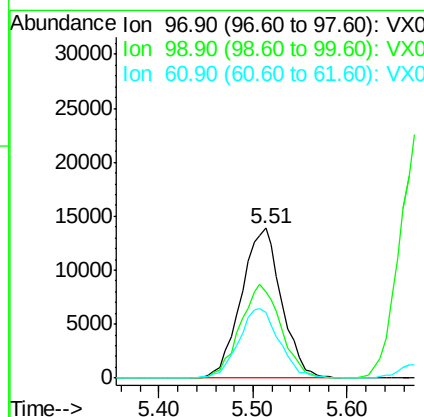
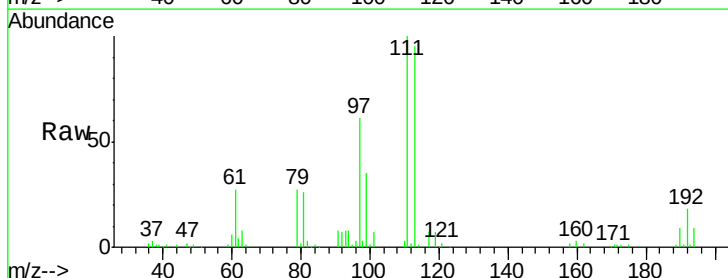
RT: 5.51 min Scan# 808

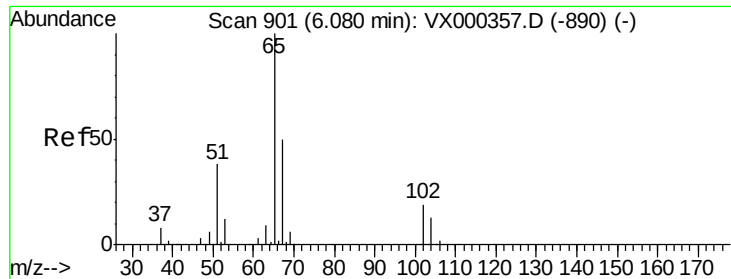
Delta R.T. 0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	97	Resp:	41304
Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.1	78.1
61	47.2	36.2	54.4





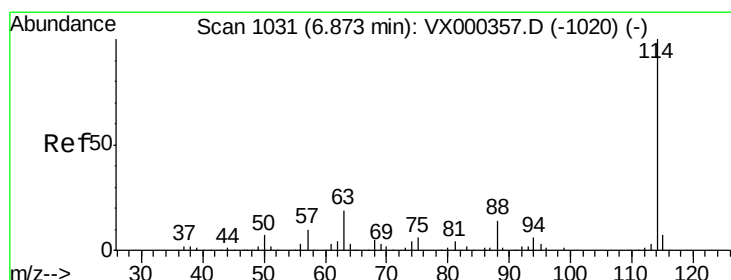
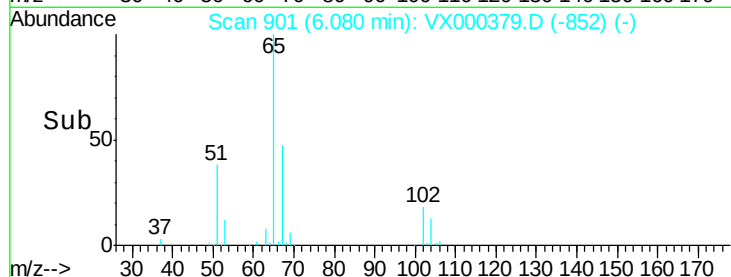
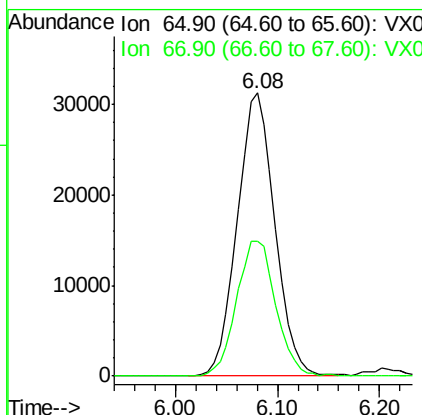
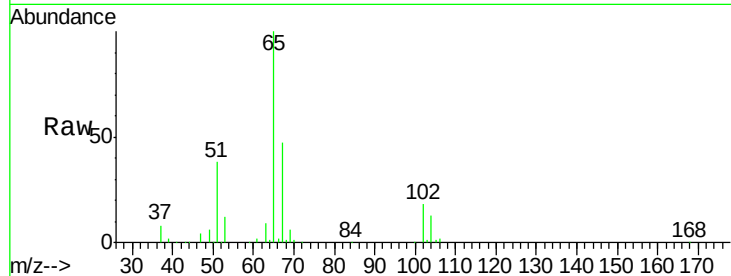
#33
 1,2-Dichloroethane-d4
 Concen: 53.16 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	103.2

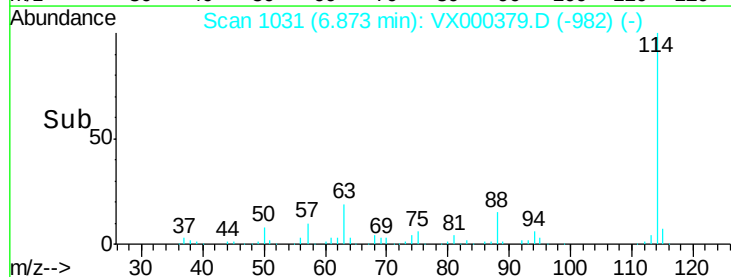
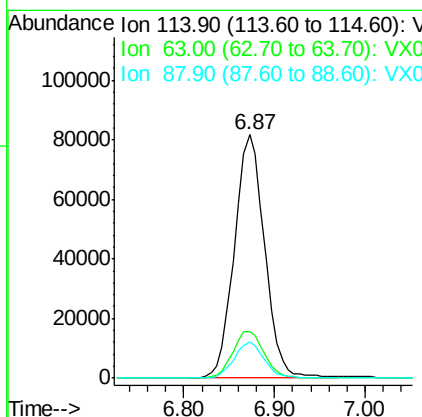
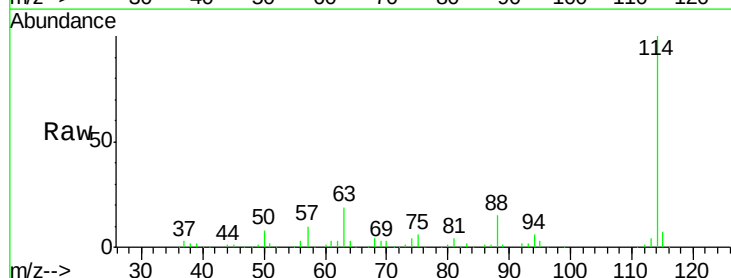
Manual Integrations
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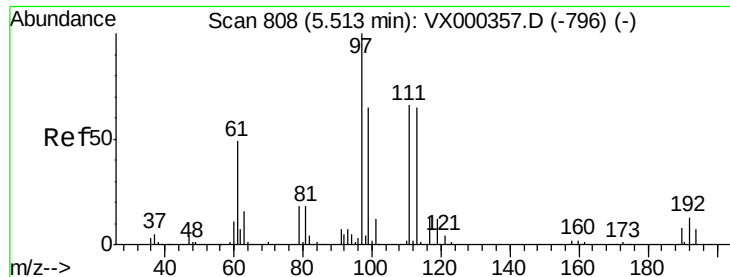
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	14.7	0.0	27.0





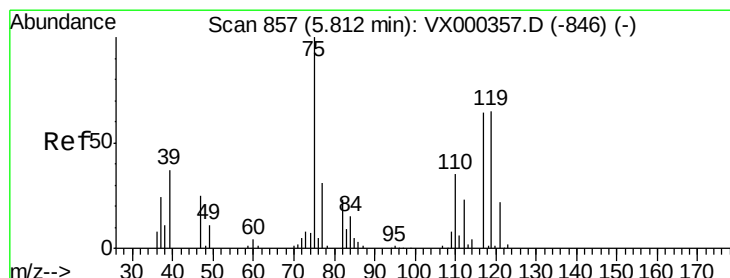
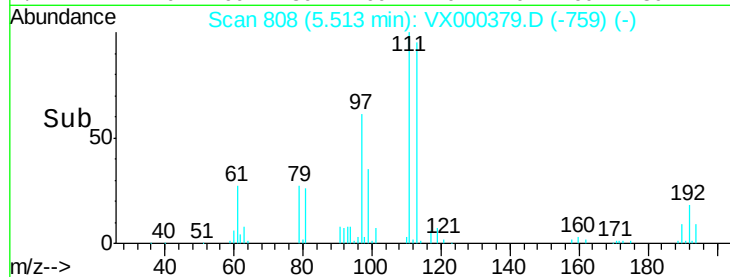
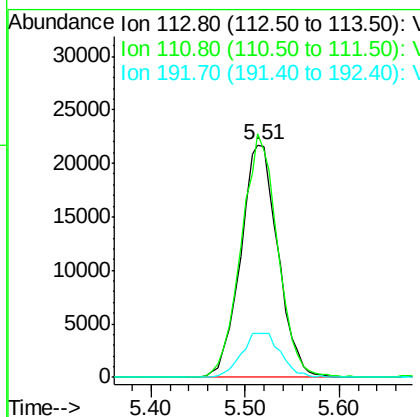
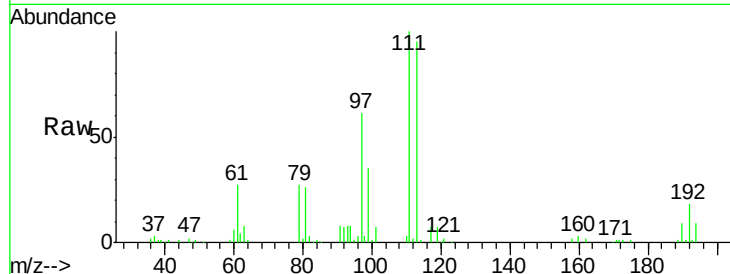
#35
 Dibromofluoromethane
 Concen: 50.46 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60183		
111	102.6	82.4	123.6	
192	19.9	15.8	23.6	

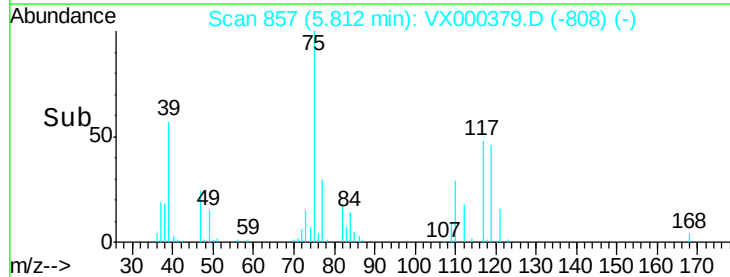
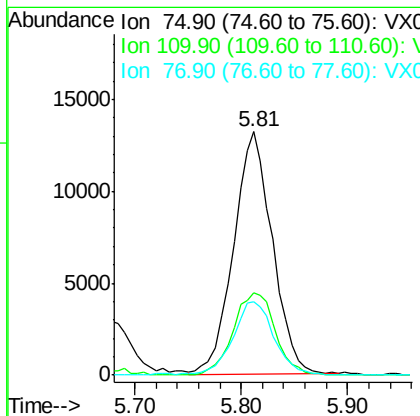
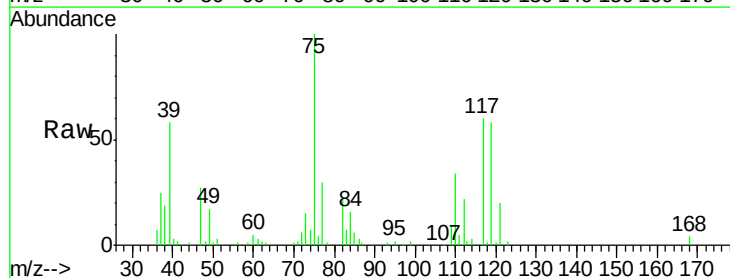
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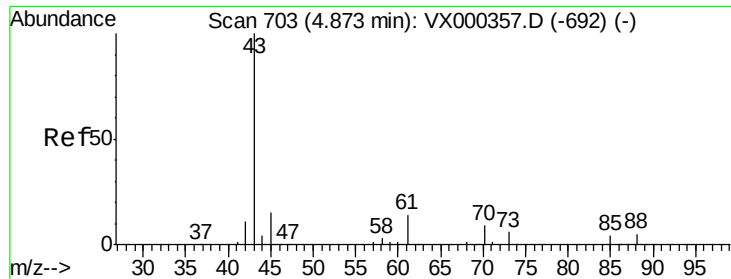
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#36
 1,1-Dichloropropene
 Concen: 18.92 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33550		
110	36.7	17.9	53.7	
77	32.4	24.0	36.0	





#37

Ethyl Acetate

Concen: 19.75 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

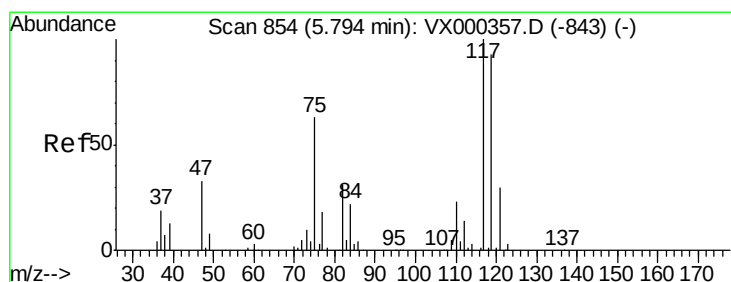
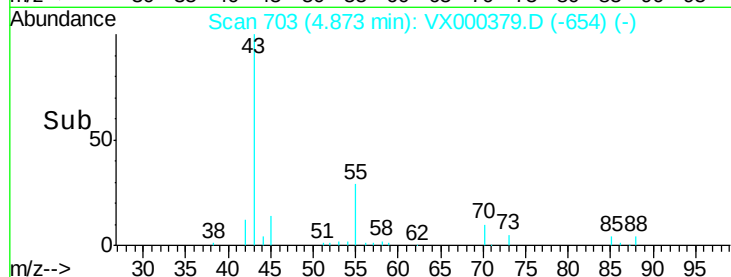
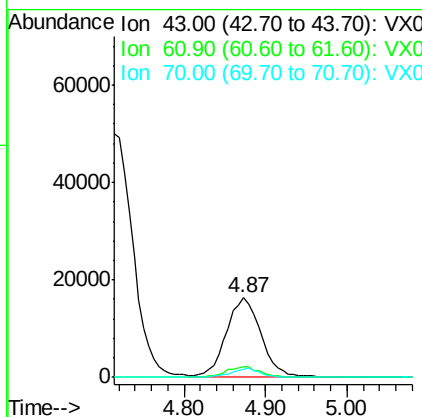
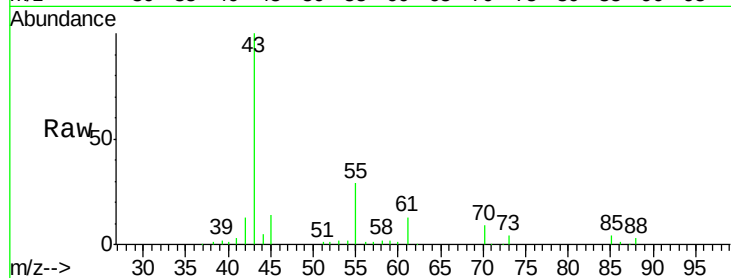
ClientSampled :

VX0321WBSD02

Tot Ion:	43	Resp:	47825
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.1	16.7
70	9.5	7.7	11.5

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#38

Carbon Tetrachloride

Concen: 18.81 ug/l

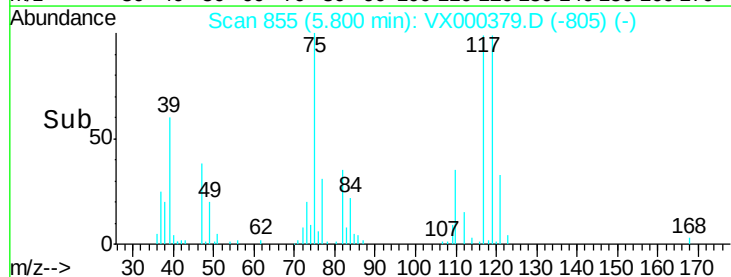
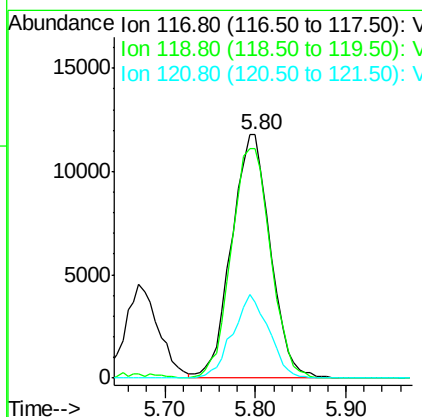
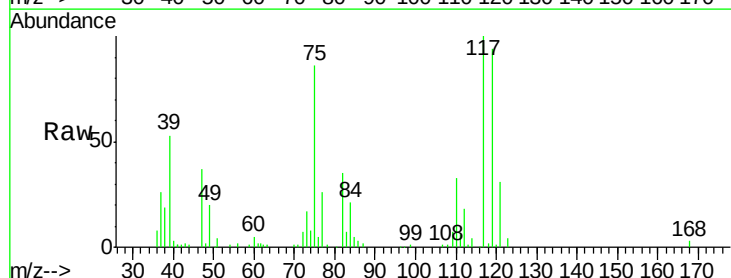
RT: 5.80 min Scan# 855

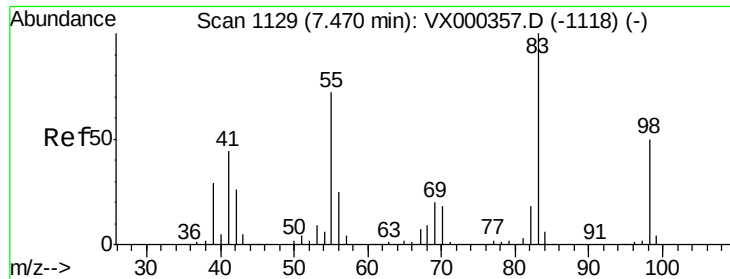
Delta R.T. 0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	117	Resp:	34985
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.2
121	31.4	24.8	37.2





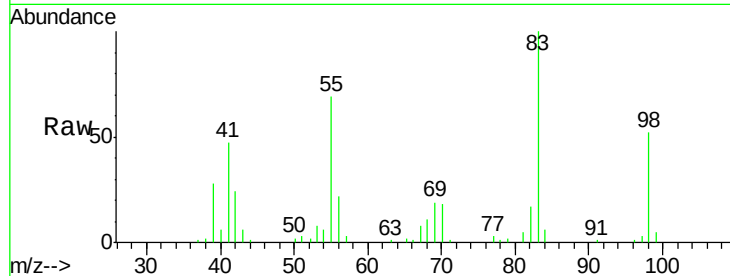
#39
Methylvlcyclohexane
Concen: 19.01 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

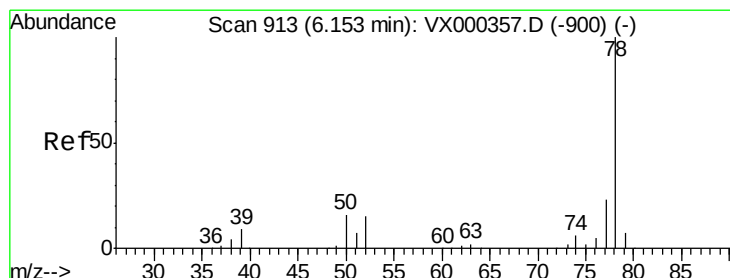
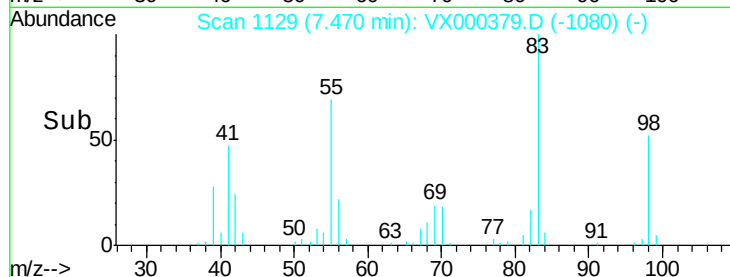
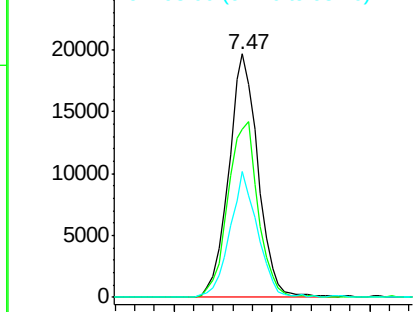
Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	55.5	83.3
98	51.8	38.2	57.4

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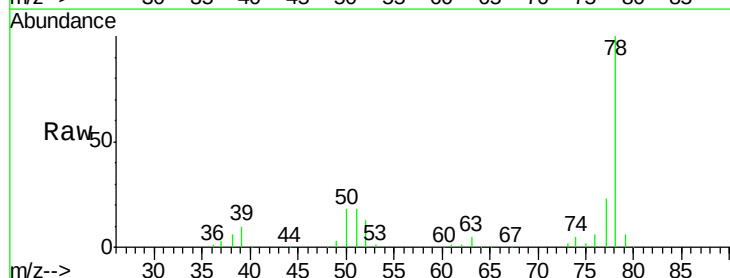


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

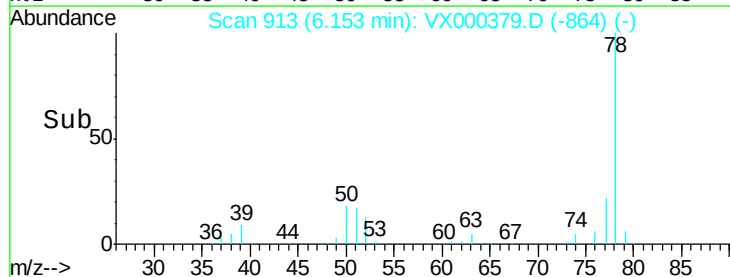
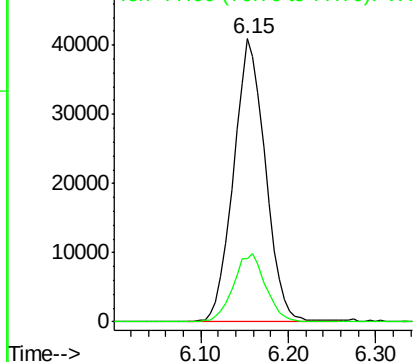


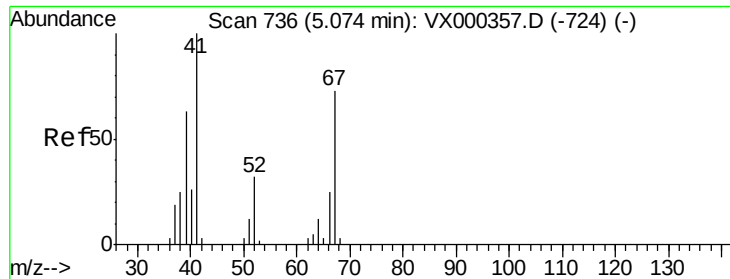
#40
Benzene
Concen: 20.10 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.23 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

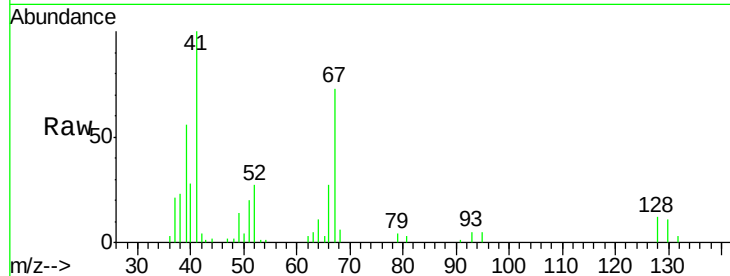
ClientSampleId :

VX0321WBSD02

Tot Ion:	41	Resp:	24553
Ion Ratio	Lower	Upper	
41	100		
39	59.3	45.7	68.5
67	75.0	57.8	86.8
52	32.7	26.7	40.1

Manual Integrations
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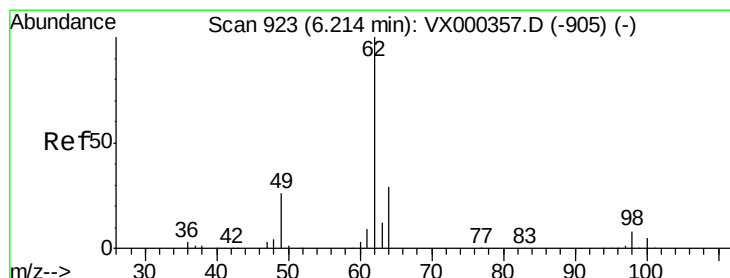
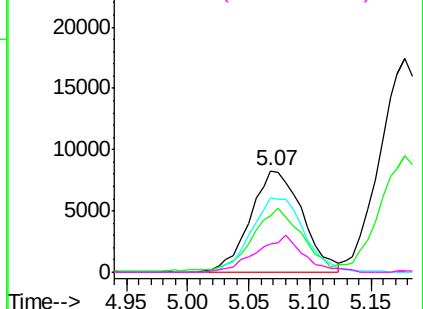
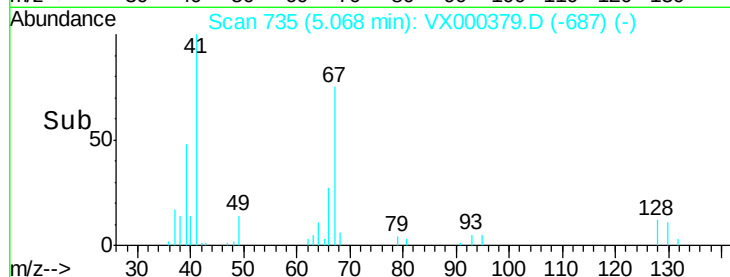


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.13 ug/l

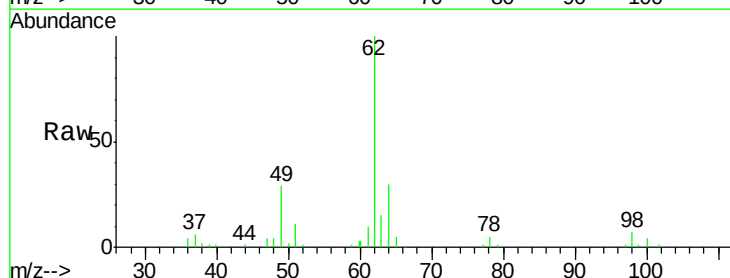
RT: 6.21 min Scan# 922

Delta R.T. -0.01 min

Lab File: VX000379.D

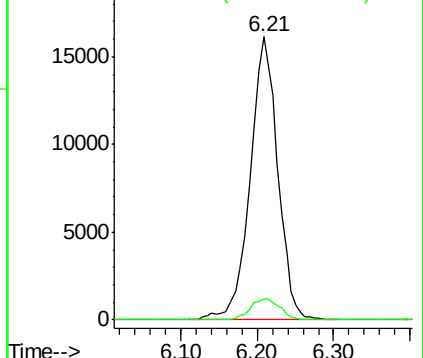
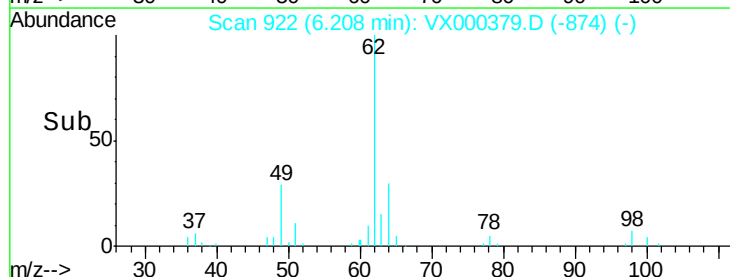
Acq: 21 Mar 2018 12:40

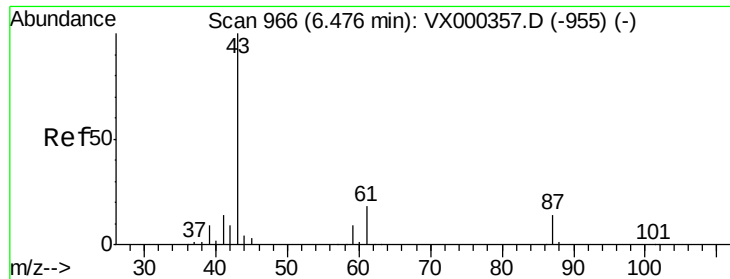
Tgt Ion:	62	Resp:	40661
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.99 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

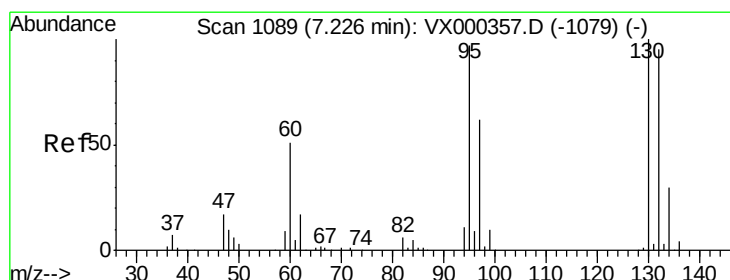
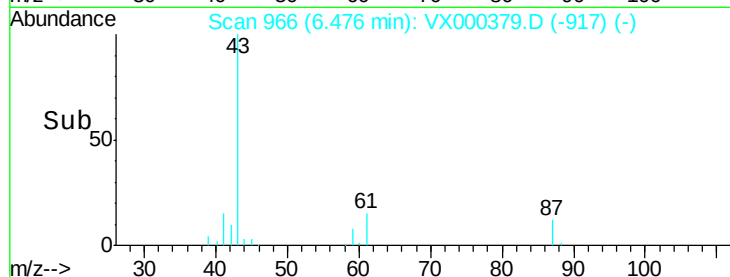
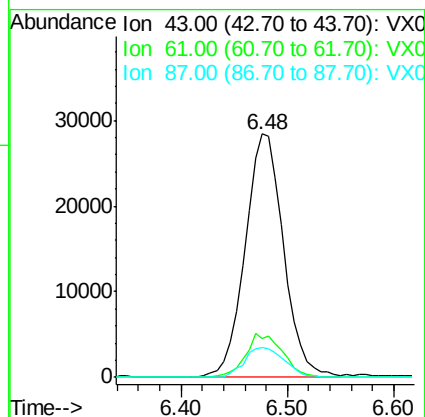
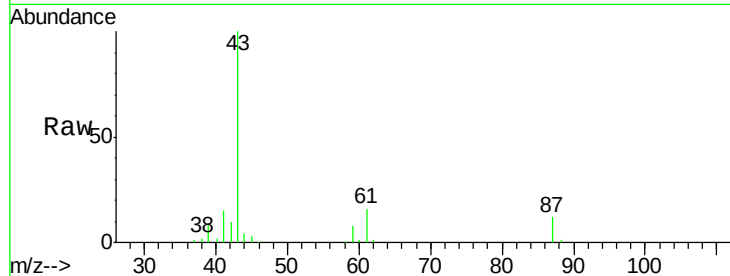
ClientSampleId :

VX0321WBSD02

Tot Ion:	43	Resp:	72065
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.4	21.6
87	12.8	11.0	16.4

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#44

Trichloroethene

Concen: 19.38 ug/l

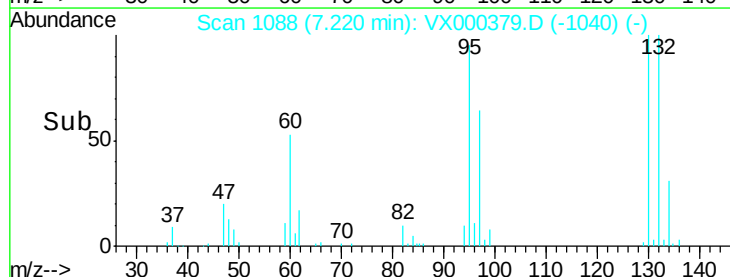
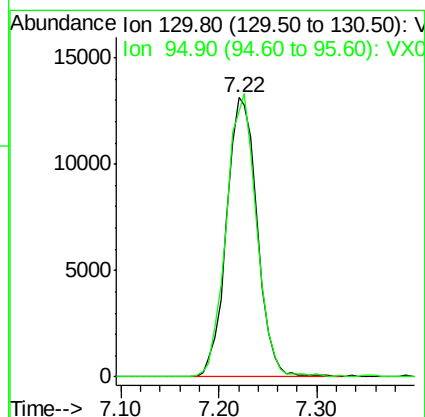
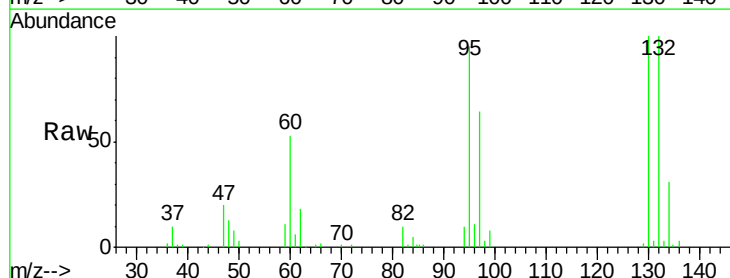
RT: 7.22 min Scan# 1088

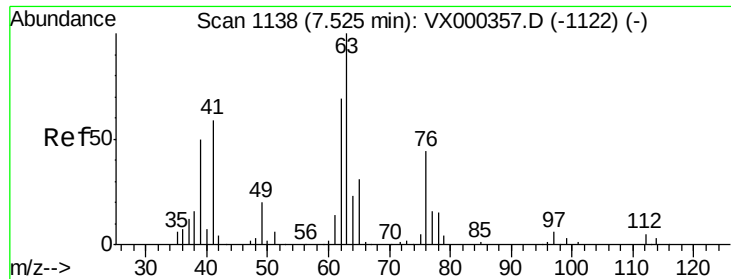
Delta R.T. -0.01 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	130	Resp:	28587
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	186.0





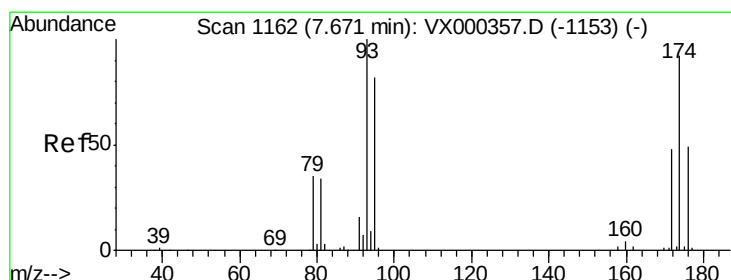
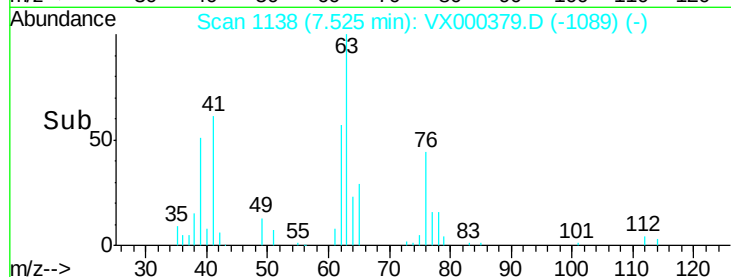
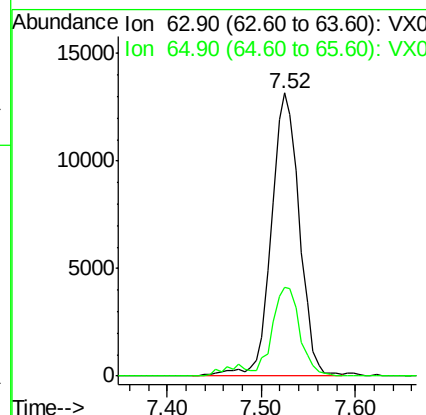
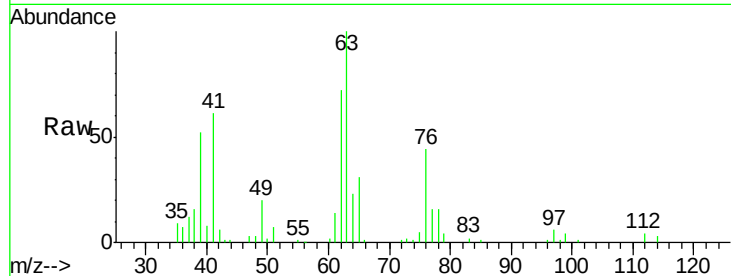
#45
 1,2-Dichloropropane
 Concen: 20.99 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.6	36.8

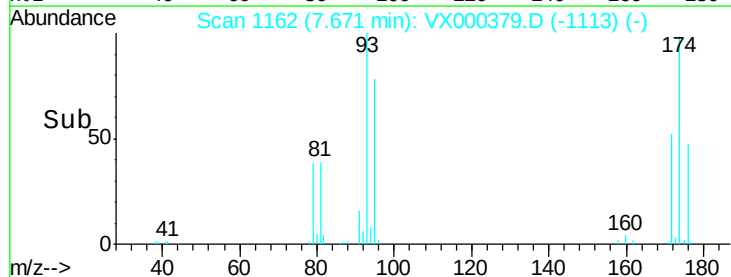
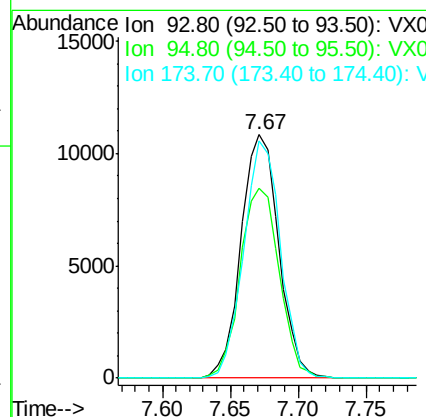
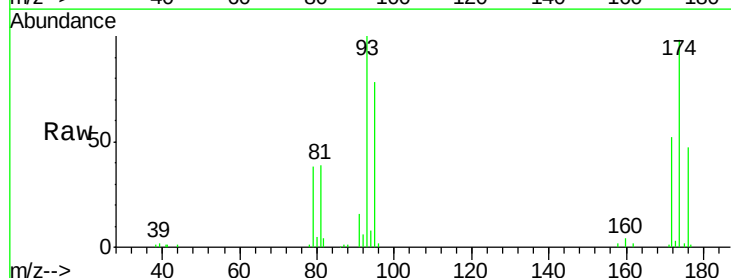
Manual Integrations
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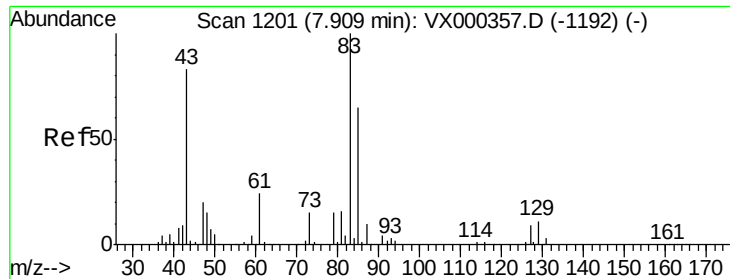
apatel
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#46
 Dibromomethane
 Concen: 20.32 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.8	66.5	99.7
174	95.2	76.0	114.0





#47

Bromodichloromethane

Concen: 20.50 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

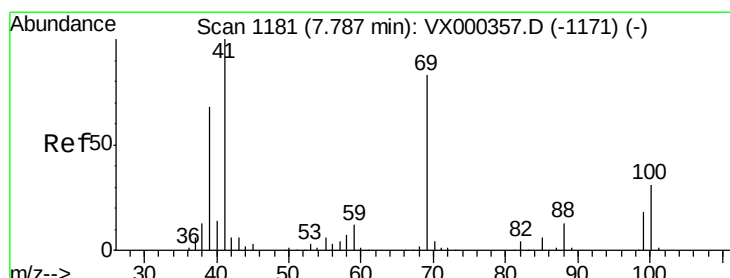
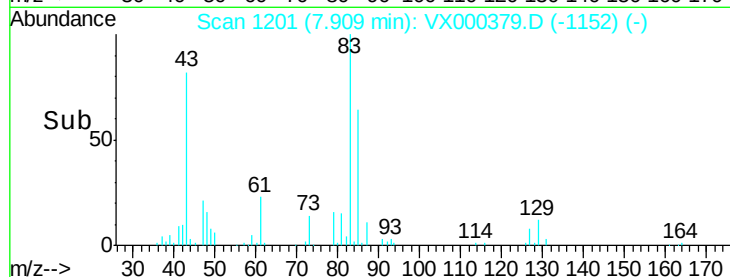
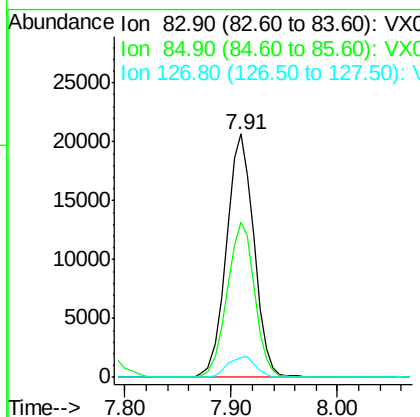
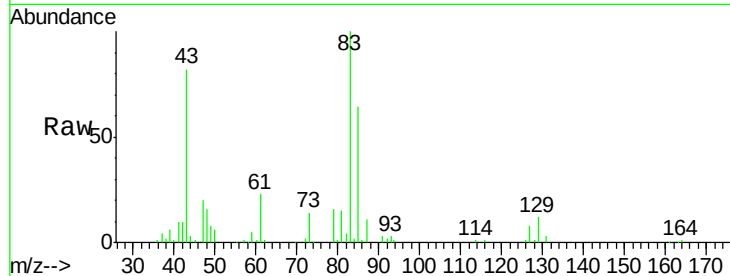
ClientSampleId :

VX0321WBSD02

Tot Ion:	83	Resp:	37321
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	8.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.08 ug/l

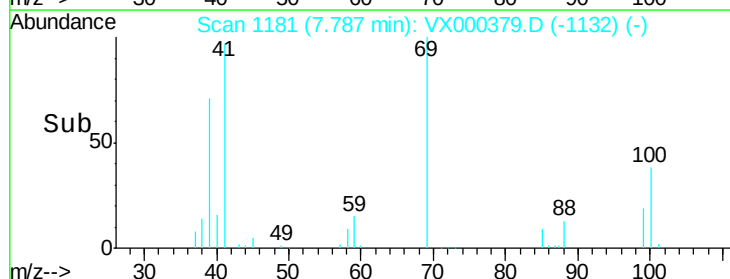
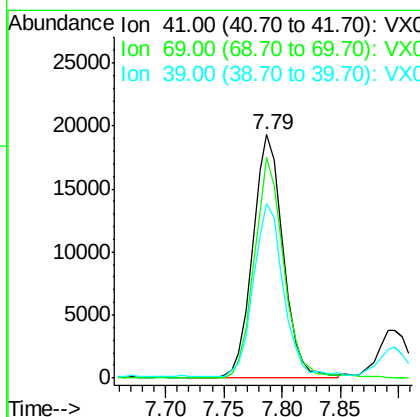
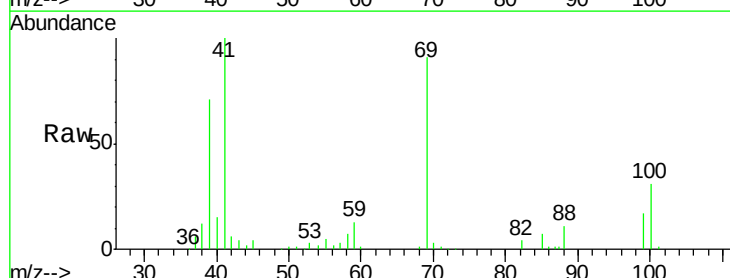
RT: 7.79 min Scan# 1181

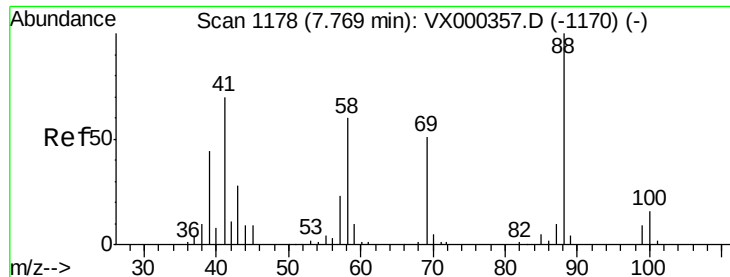
Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	41	Resp:	35142
Ion	Ratio	Lower	Upper
41	100		
69	88.1	68.2	102.4
39	69.4	54.6	81.8





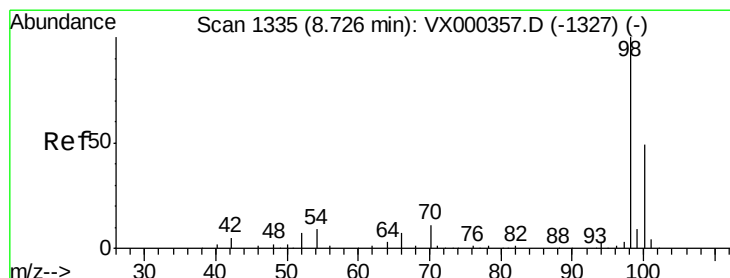
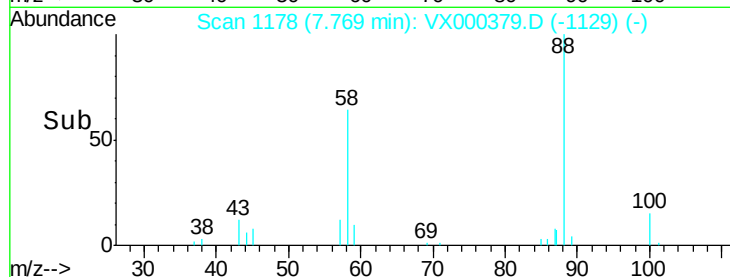
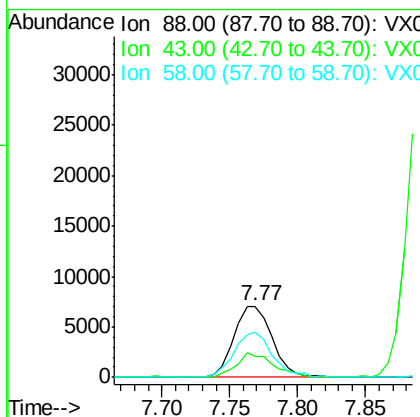
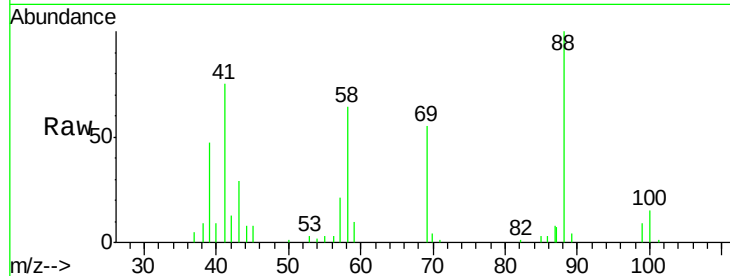
#49
 1,4-Dioxane
 Concen: 379.36 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.8	40.2
58	63.0	52.2	78.2

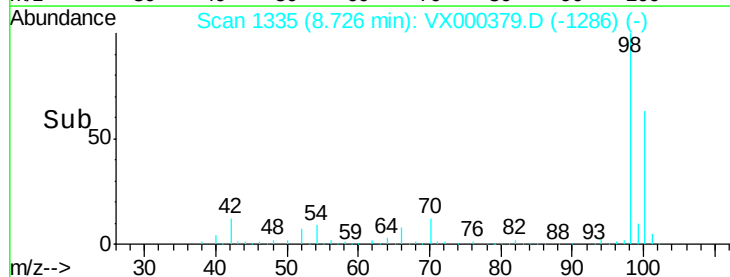
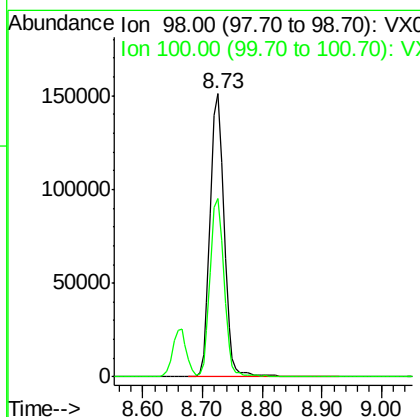
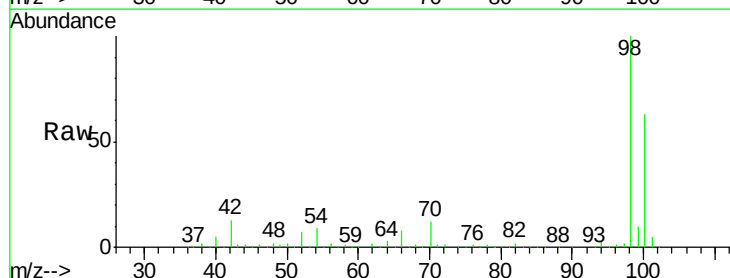
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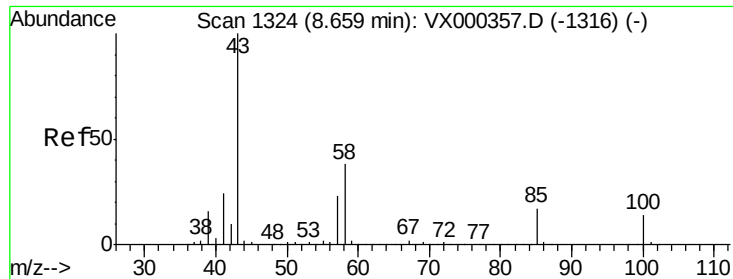
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#50
 Toluene-d8
 Concen: 49.46 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 98.41 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 43 Resp: 274644

Ion Ratio Lower Upper

43 100

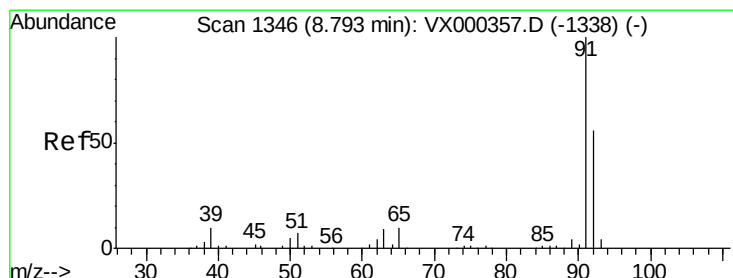
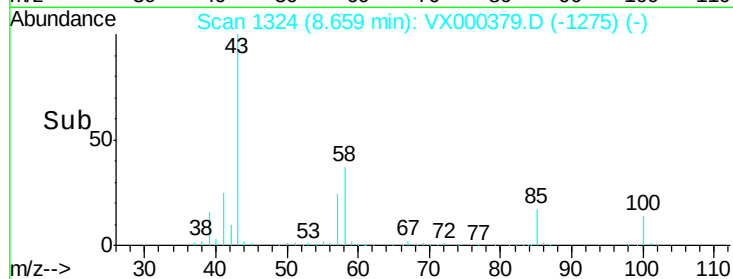
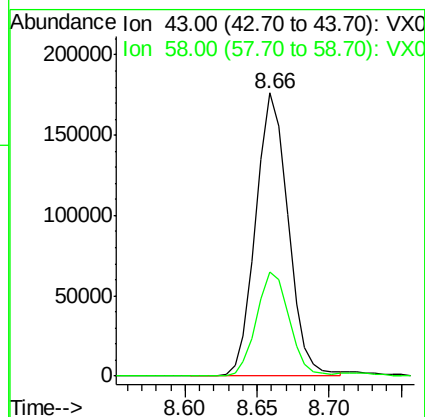
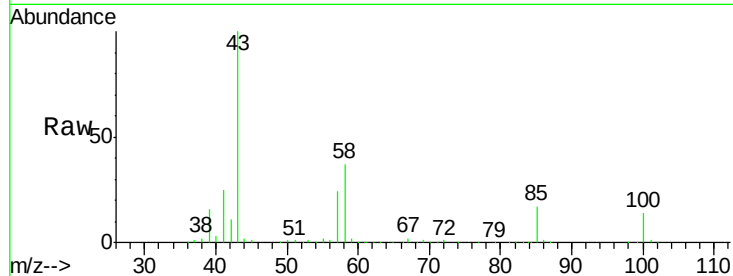
58 37.1 30.3 45.5

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#52

Toluene

Concen: 19.86 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000379.D

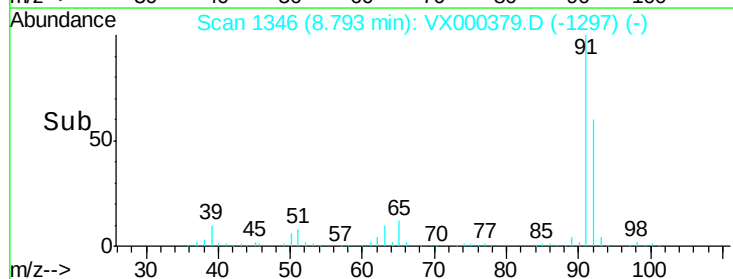
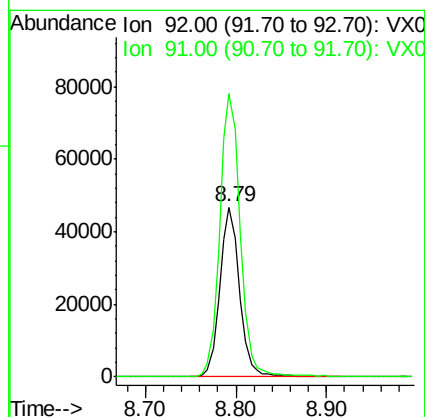
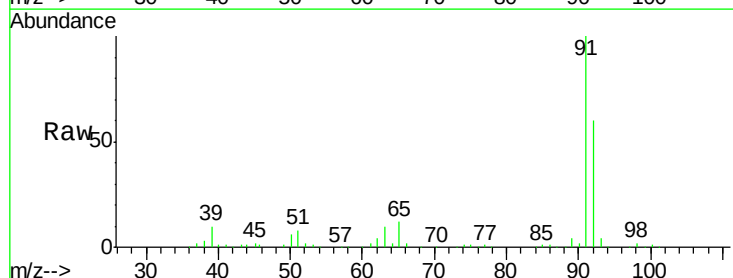
Acq: 21 Mar 2018 12:40

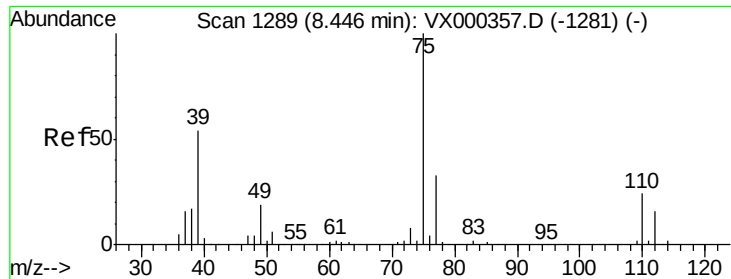
Tgt Ion: 92 Resp: 71497

Ion Ratio Lower Upper

92 100

91 171.9 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 75 Resp: 43064

Ion Ratio Lower Upper

75 100

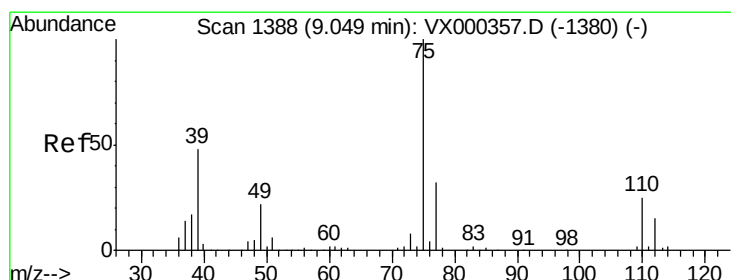
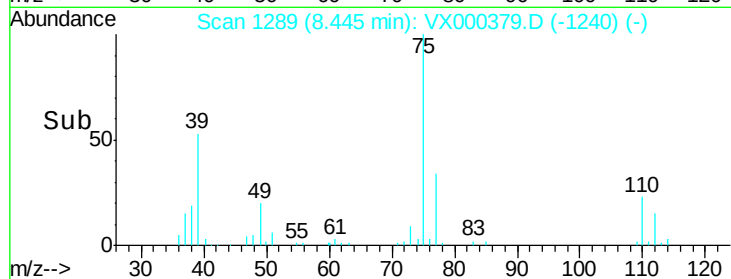
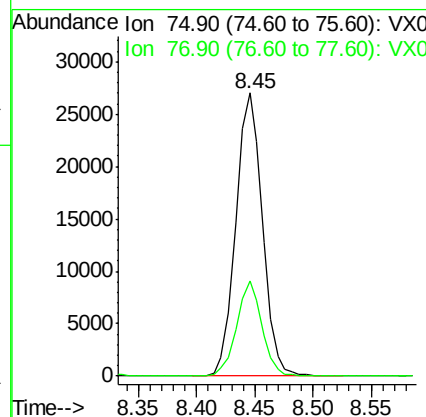
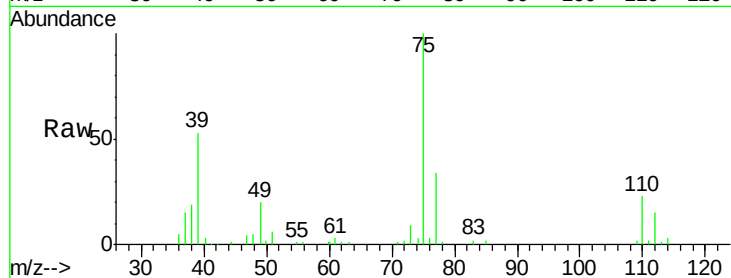
77 33.8 24.0 36.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

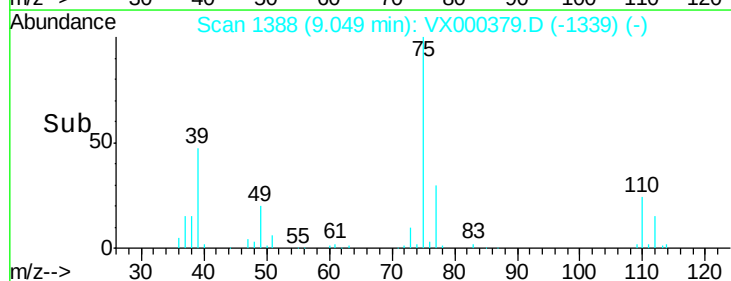
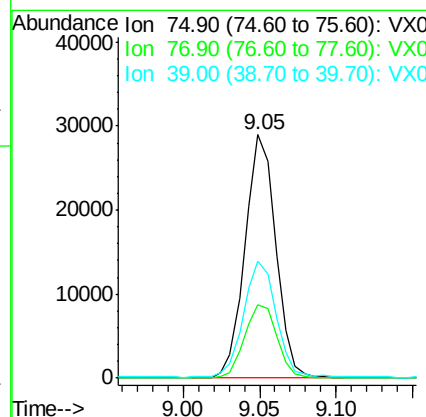
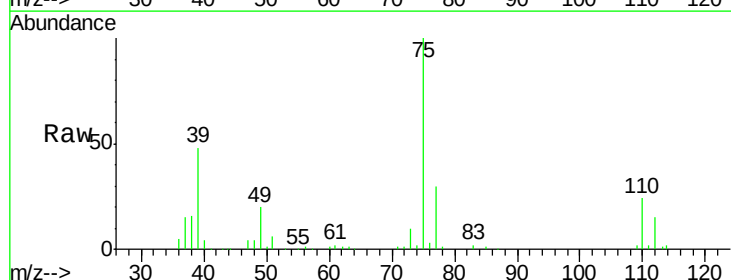
Tgt Ion: 75 Resp: 40565

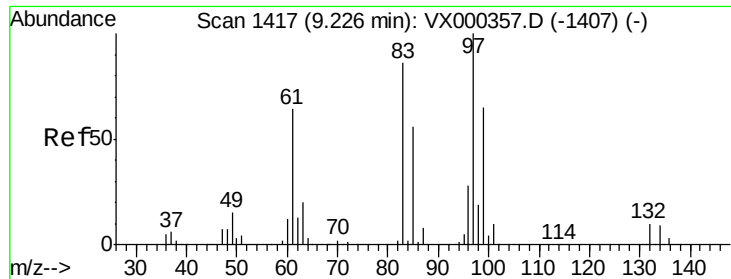
Ion Ratio Lower Upper

75 100

77 30.4 26.1 39.1

39 47.1 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 19.86 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

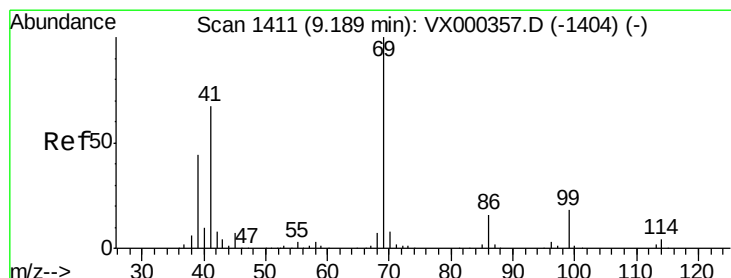
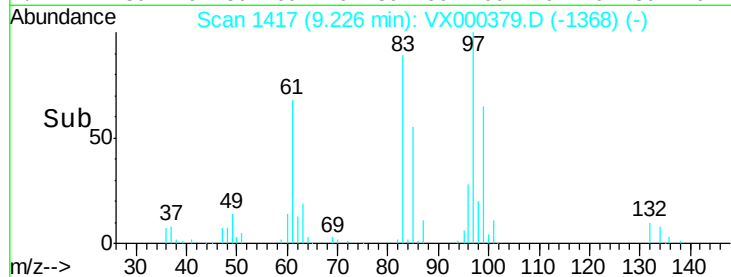
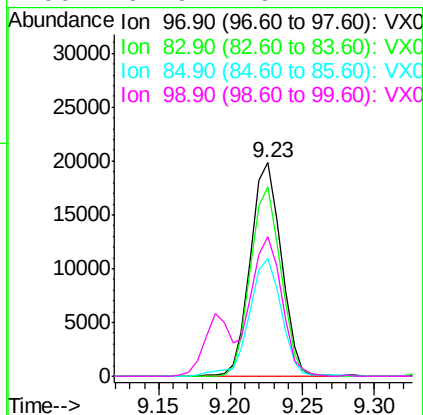
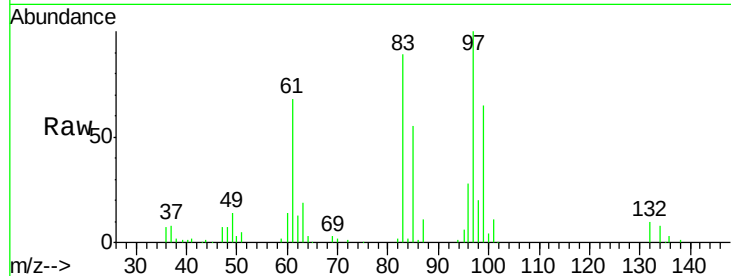
ClientSampleId :

VX0321WBSD02

Tot Ion:	97	Resp:	29397
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.9	101.9
85	54.8	42.8	64.2
99	64.9	49.4	74.2

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#56

Ethyl methacrylate

Concen: 19.42 ug/l

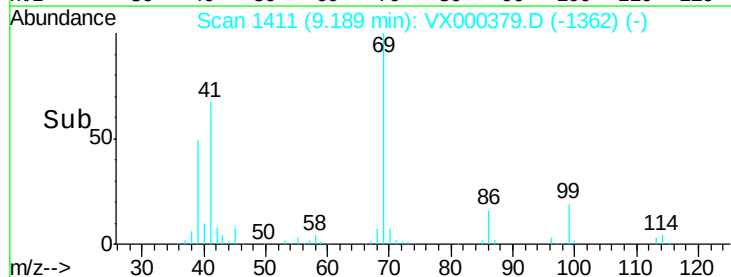
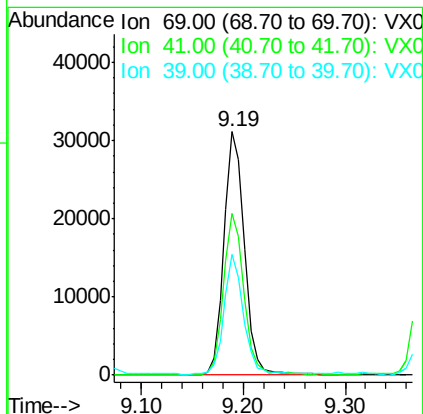
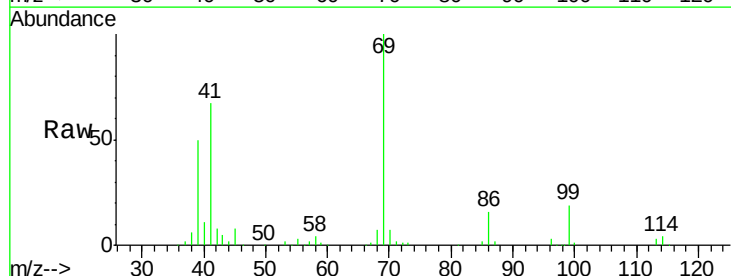
RT: 9.19 min Scan# 1411

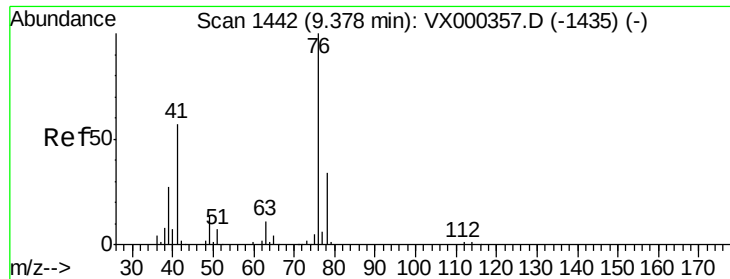
Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	69	Resp:	43565
Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.0	79.6
39	47.5	35.3	52.9





#57

1,3-Dichloropropane

Concen: 20.64 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 76 Resp: 48870

Ion Ratio Lower Upper

76 100

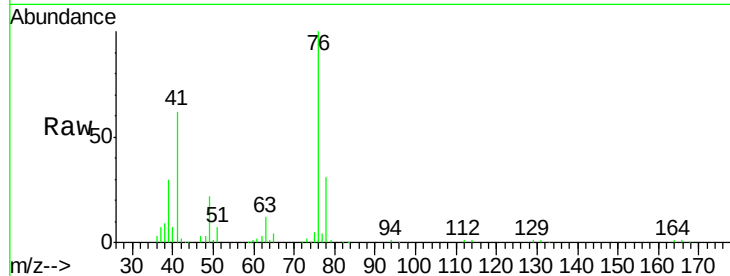
78 31.8 26.4 39.6

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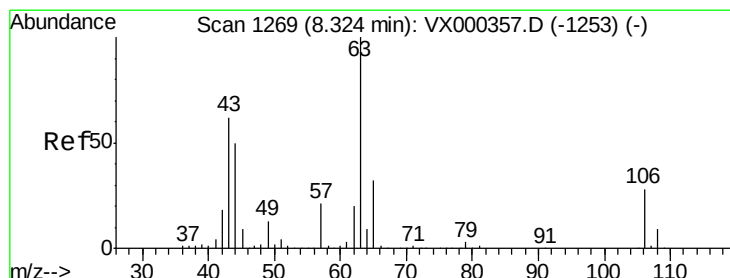
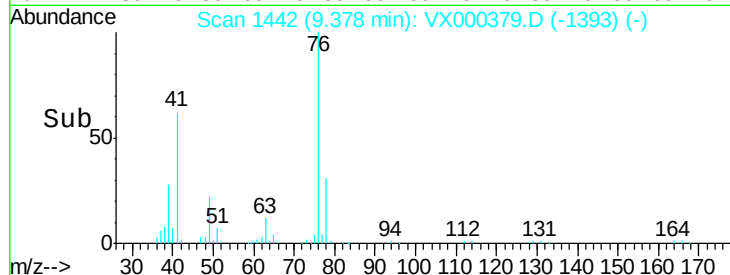
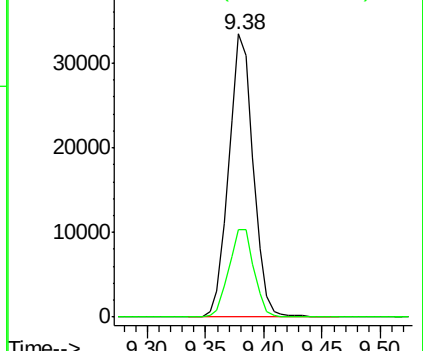
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 107.40 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000379.D

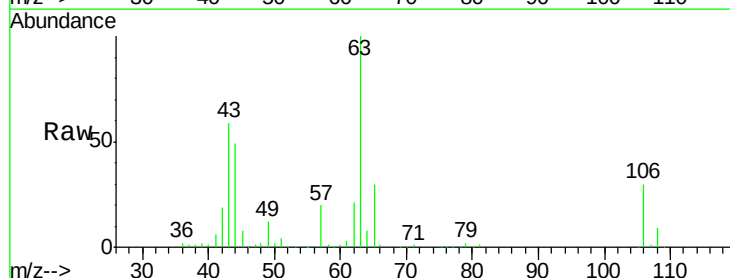
Acq: 21 Mar 2018 12:40

Tgt Ion: 63 Resp: 115630

Ion Ratio Lower Upper

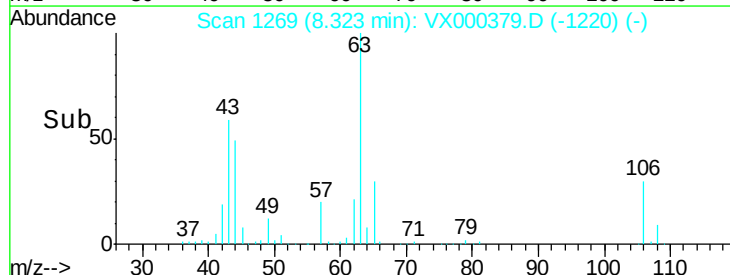
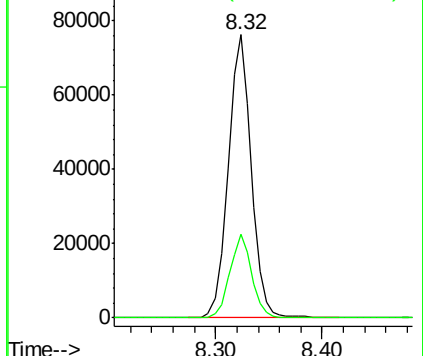
63 100

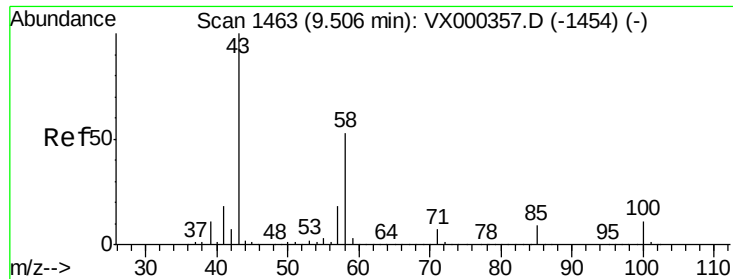
106 28.1 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





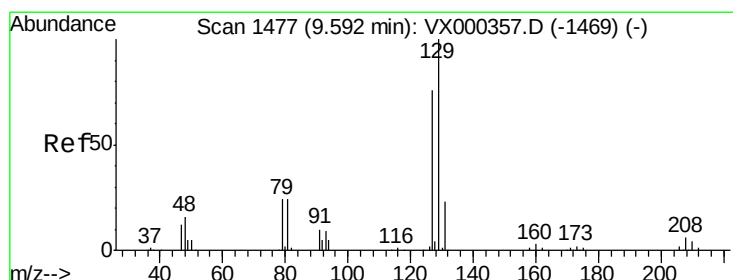
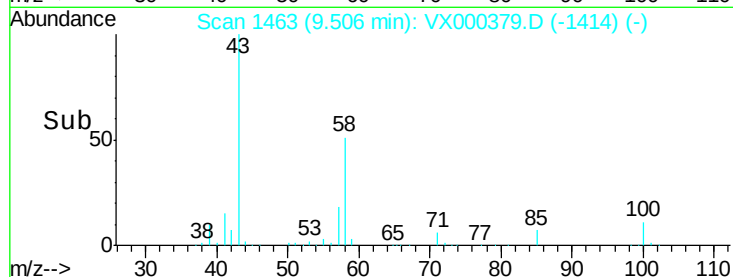
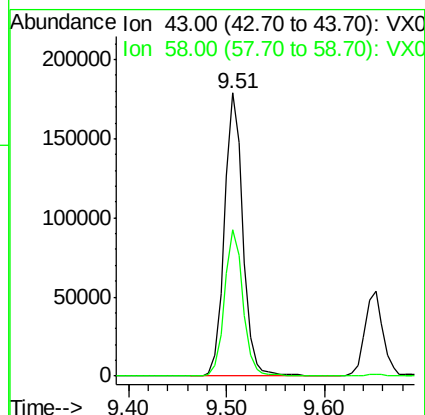
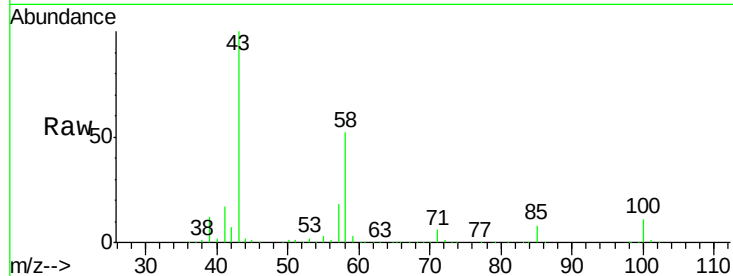
#59
2-Hexanone
Concen: 98.77 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion: 43 Resp: 234062
Ion Ratio Lower Upper
43 100
58 51.8 26.6 79.7

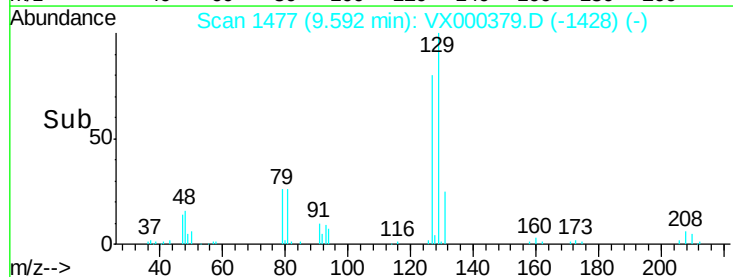
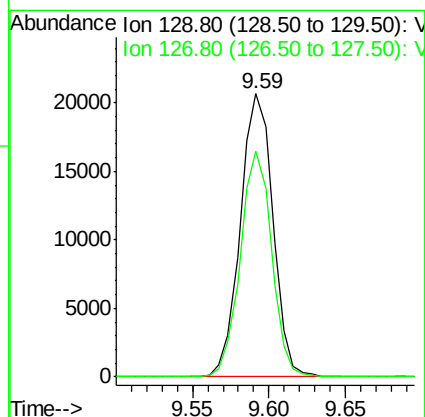
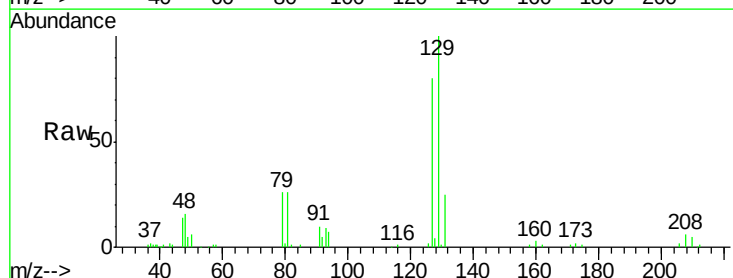
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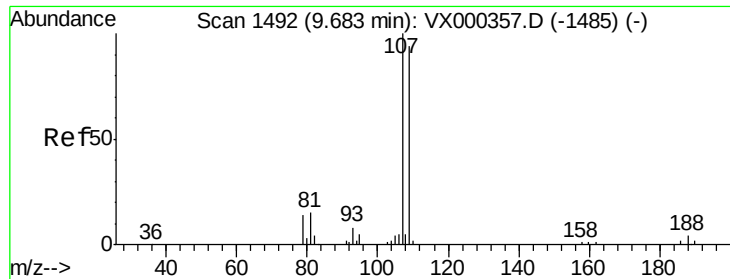
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#60
Dibromochloromethane
Concen: 20.10 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion: 129 Resp: 30516
Ion Ratio Lower Upper
129 100
127 76.7 37.9 113.6





#61

1,2-Dibromoethane

Concen: 19.89 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion:107 Resp: 31574

Ion Ratio Lower Upper

107 100

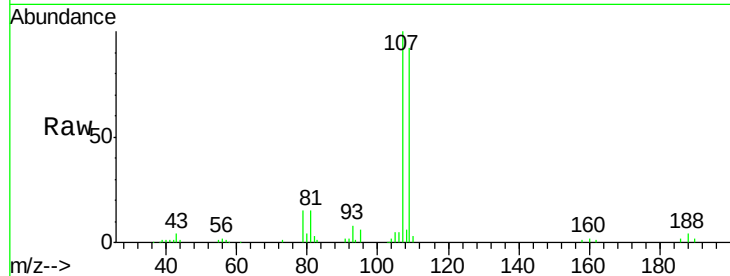
109 93.3 76.1 114.1

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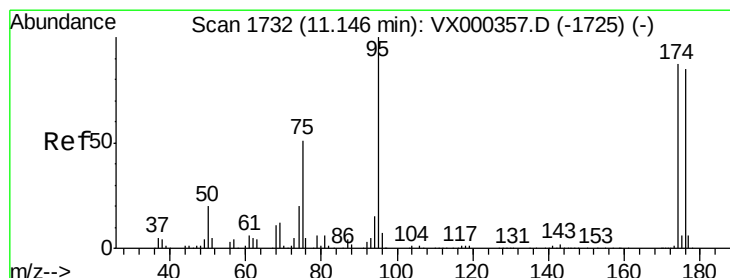
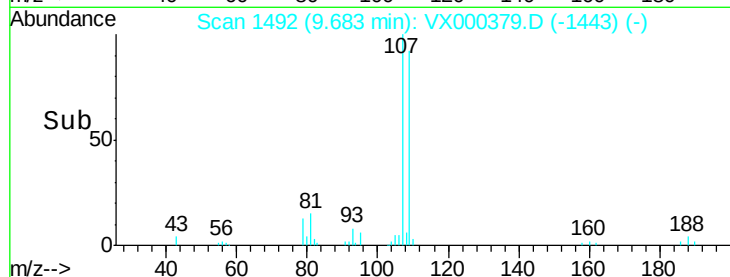
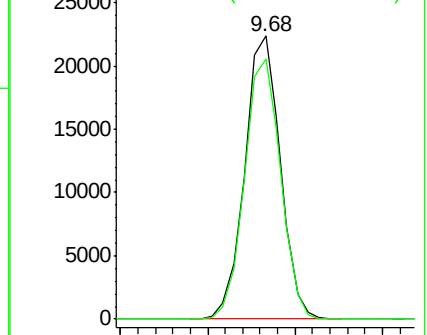
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.12 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

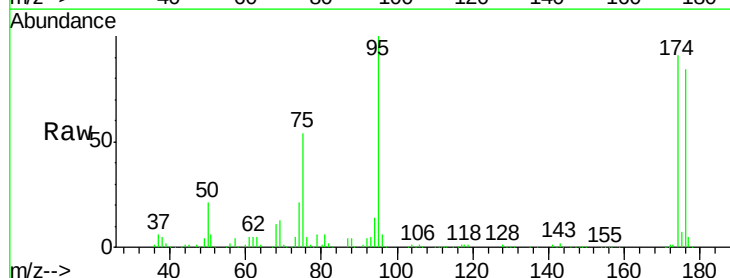
Tgt Ion: 95 Resp: 87994

Ion Ratio Lower Upper

95 100

174 89.4 0.0 173.6

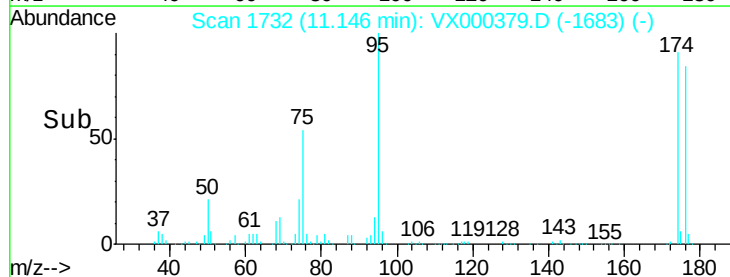
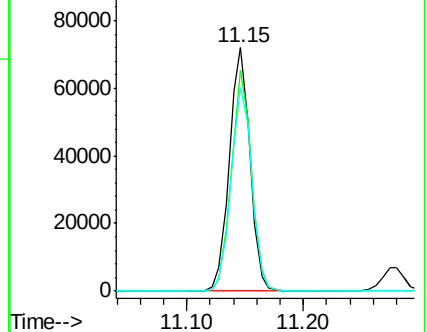
176 85.1 0.0 164.6

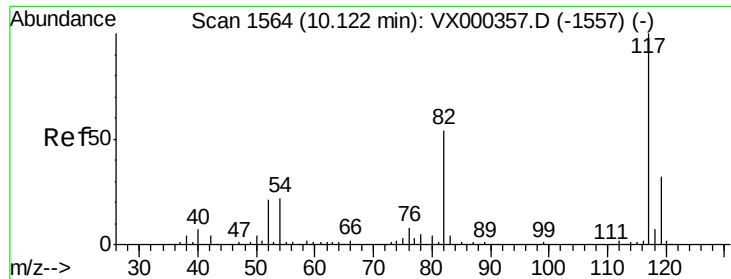


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





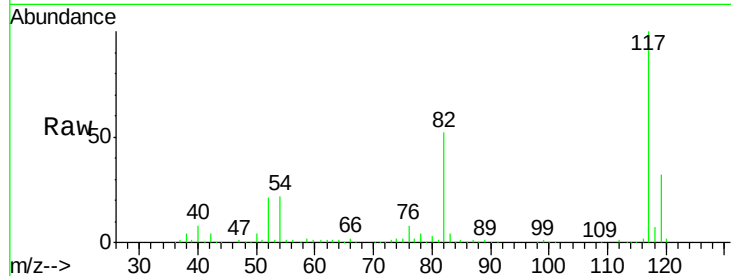
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

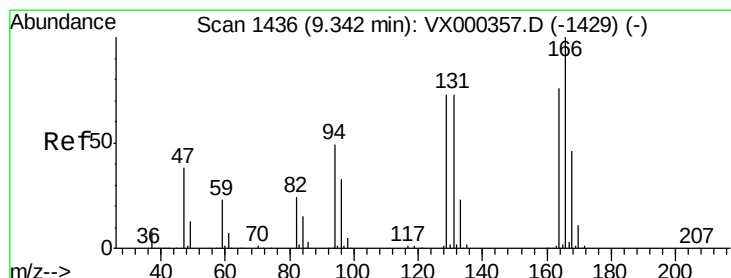
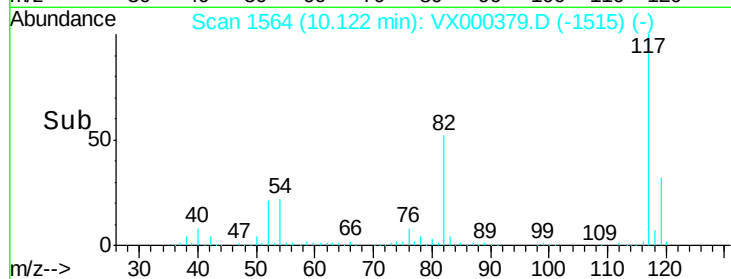
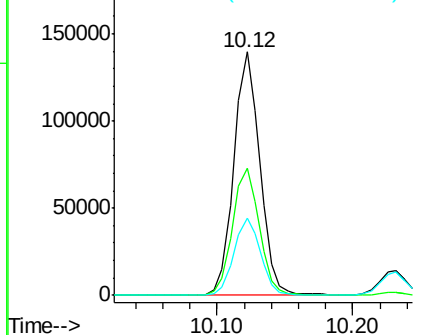
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.8	65.8
119	31.7	24.9	37.3

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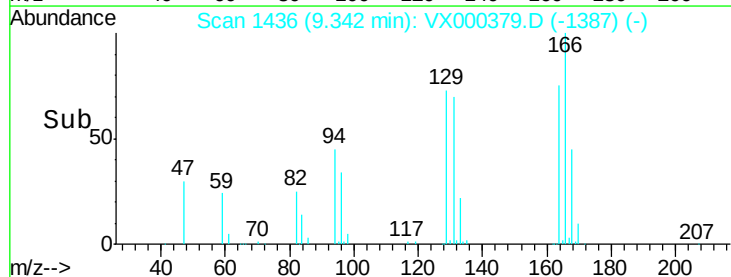
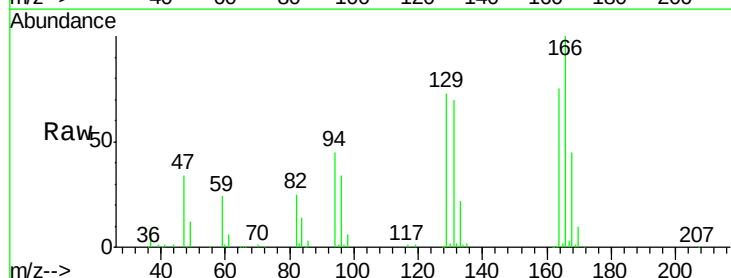
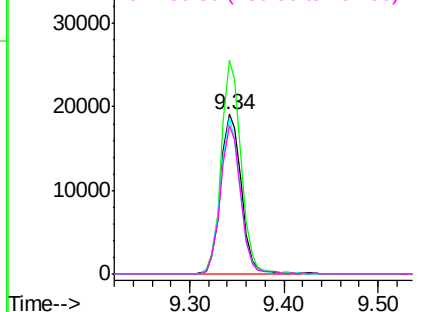
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

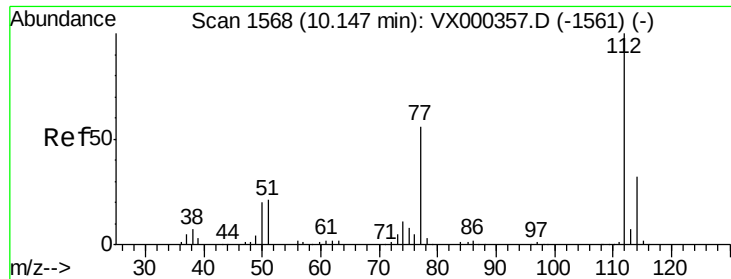


#64
Tetrachloroethene
Concen: 20.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	101.0	151.6
129	98.0	79.0	118.4
131	93.0	71.9	107.9

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





#65

Chlorobenzene

Concen: 19.33 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion:112 Resp: 80197

Ion Ratio Lower Upper

112 100

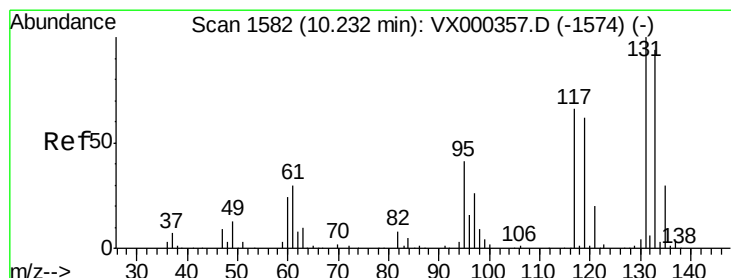
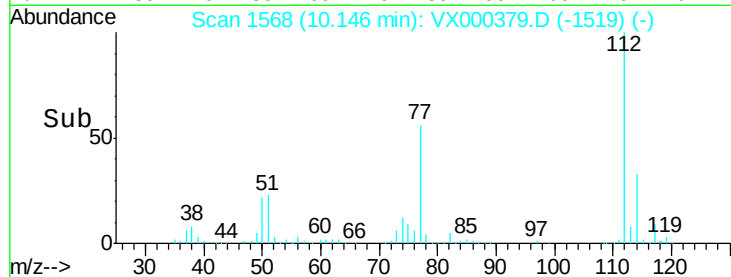
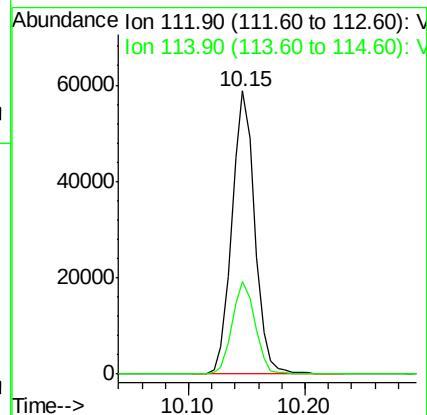
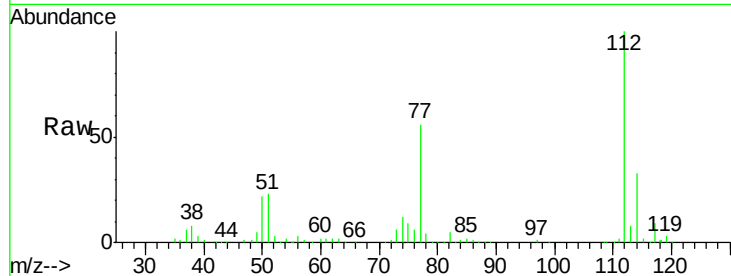
114 32.5 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.43 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

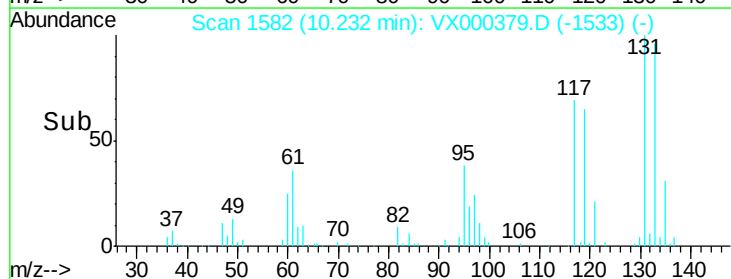
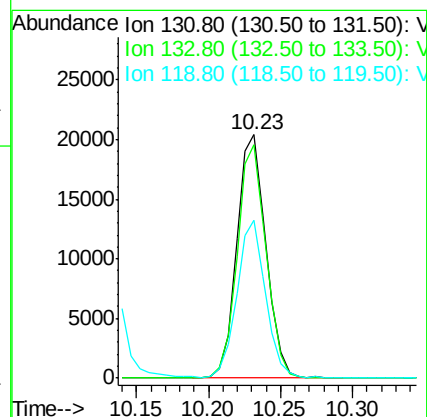
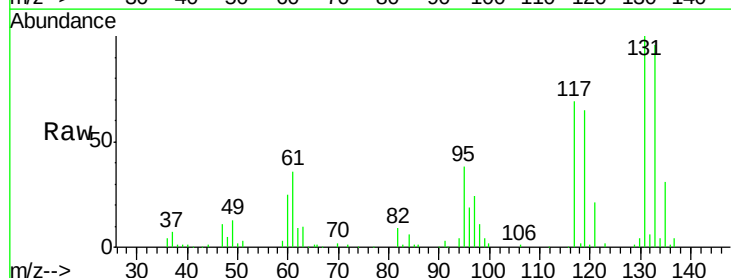
Tgt Ion:131 Resp: 28786

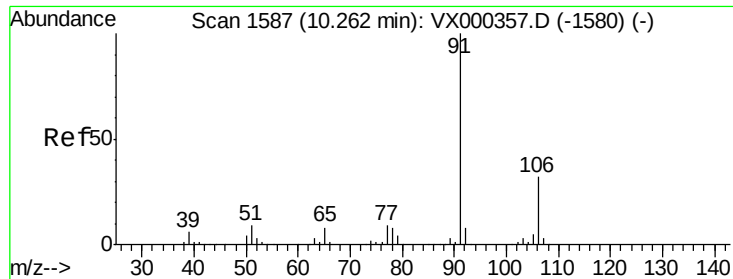
Ion Ratio Lower Upper

131 100

133 94.6 47.1 141.3

119 64.1 33.1 99.2





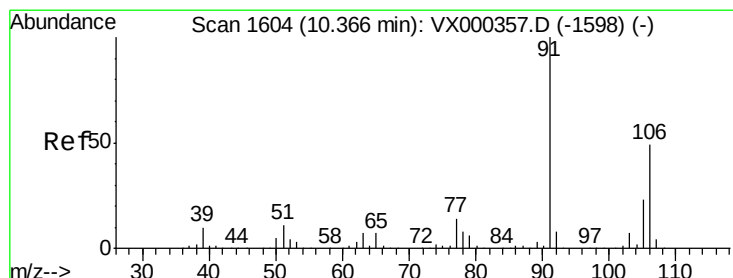
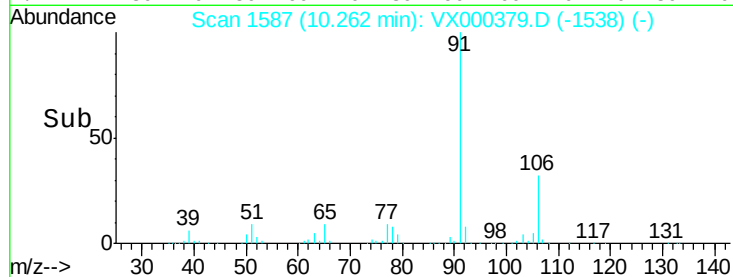
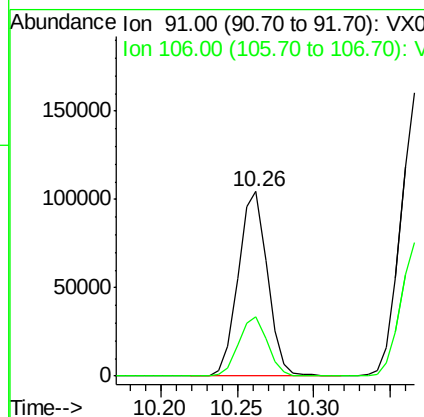
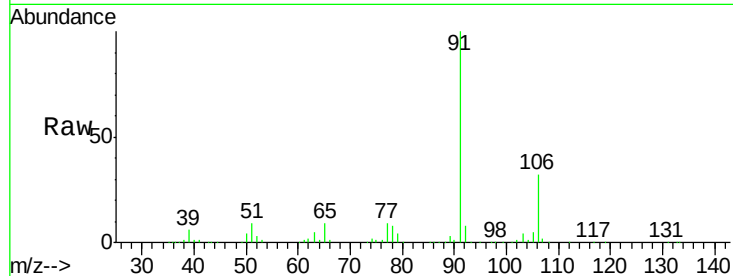
#67
Ethyl Benzene
Concen: 19.78 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampled :
VX0321WBSD02

Tot Ion: 91 Resp: 139127
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.6

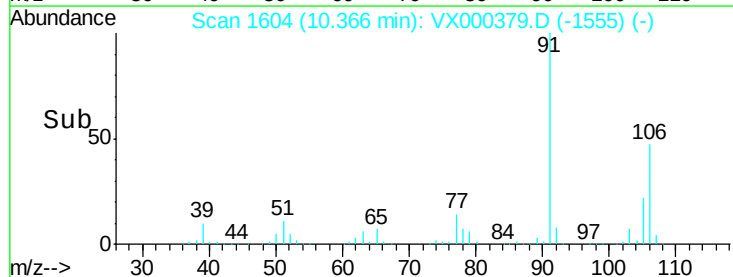
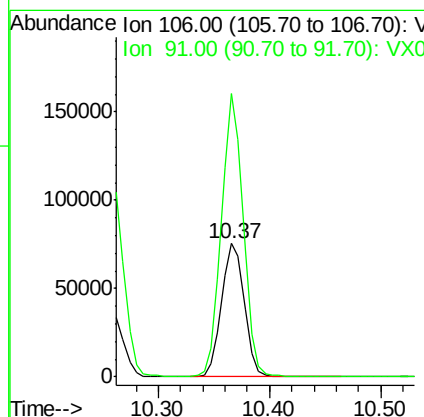
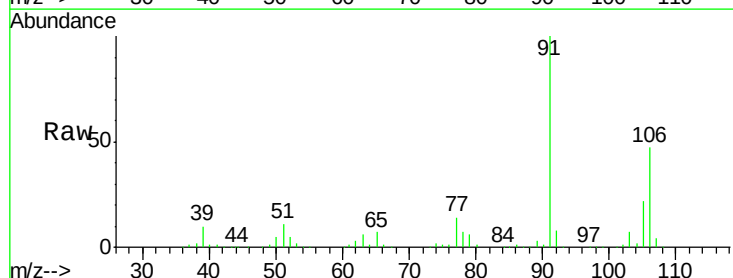
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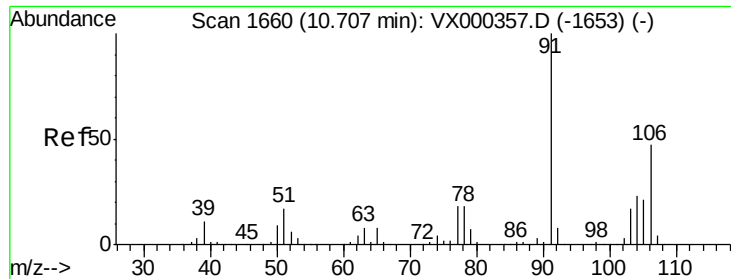
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#68
m/p-Xylenes
Concen: 38.56 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion: 106 Resp: 106745
Ion Ratio Lower Upper
106 100
91 204.2 163.4 245.2





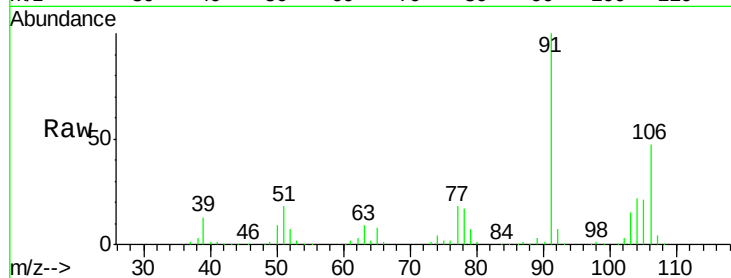
#69
o-Xylene
Concen: 19.48 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

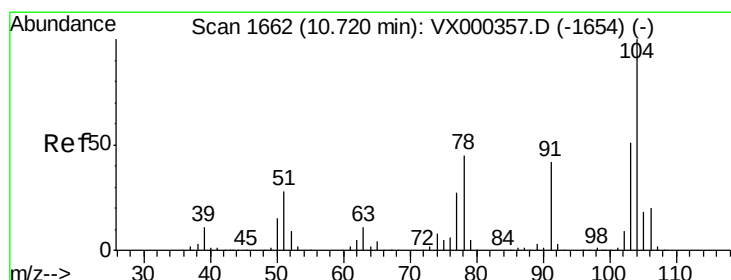
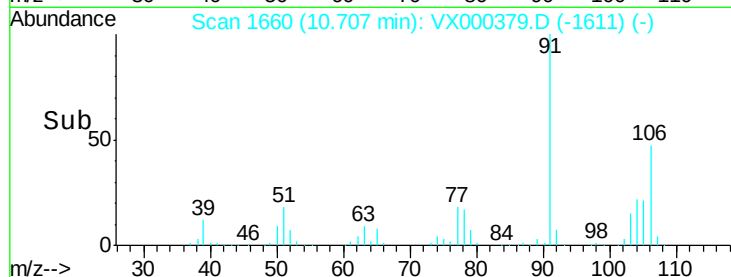
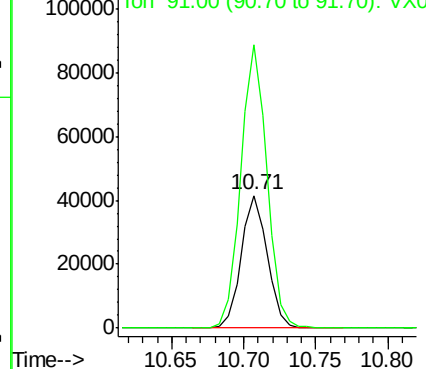
Tot Ion:106 Resp: 52195
Ion Ratio Lower Upper
106 100
91 215.1 106.5 319.6

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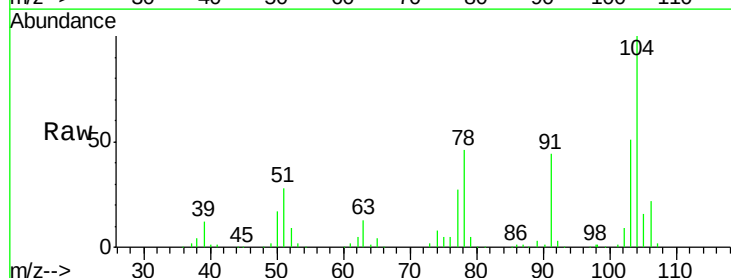


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

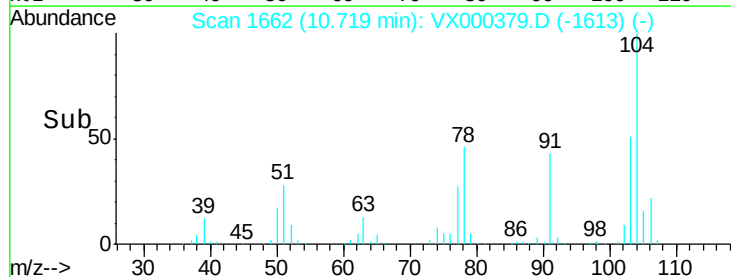
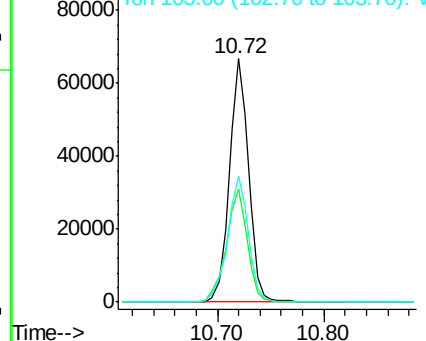


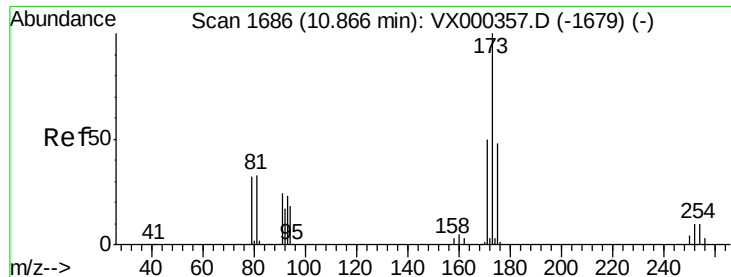
#70
Styrene
Concen: 19.01 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion:104 Resp: 84283
Ion Ratio Lower Upper
104 100
78 50.7 40.5 60.7
103 56.0 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.96 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

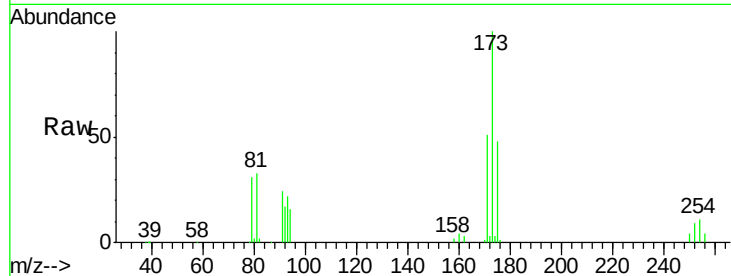
ClientSampleId :

VX0321WBSD02

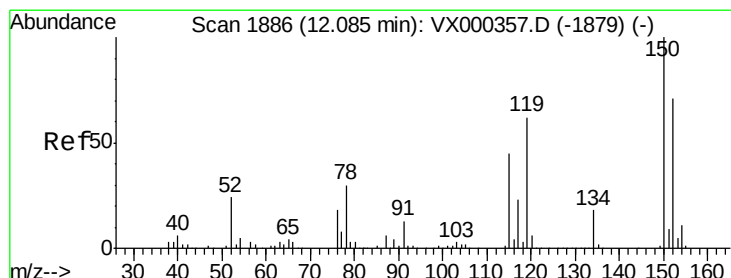
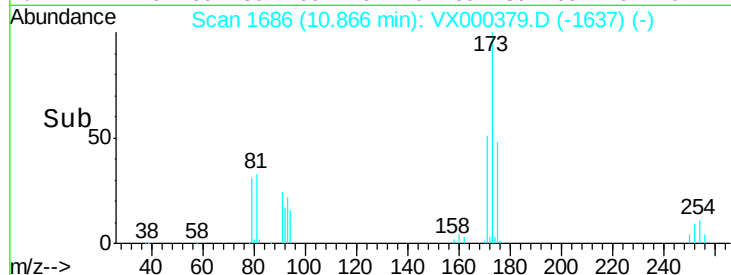
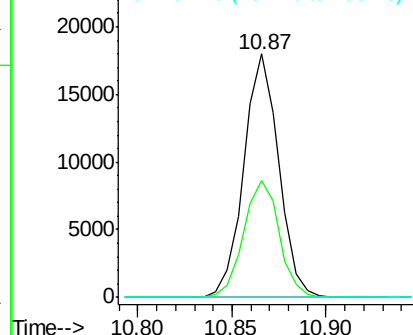
Tot Ion:173	Resp:	23043
Ion Ratio	Lower	Upper
173	100	
175	48.8	25.4 76.4
254	0.0	0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

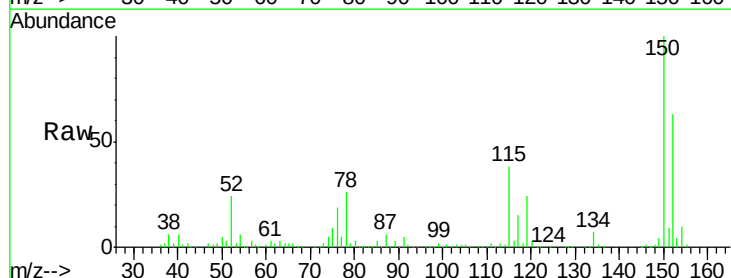
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

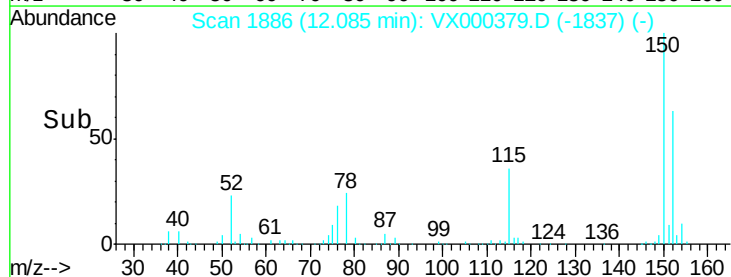
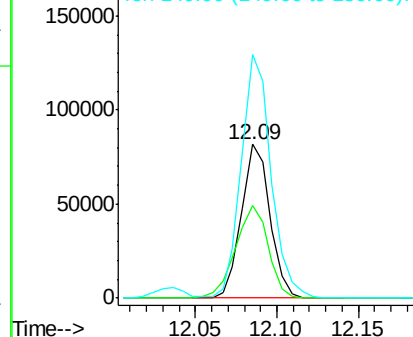
Lab File: VX000379.D

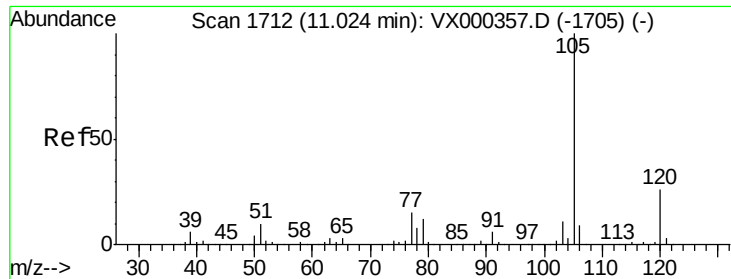
Acq: 21 Mar 2018 12:40

Tgt Ion:152	Resp:	99548
Ion Ratio	Lower	Upper
152	100	
115	68.5	39.8 119.3
150	165.8	0.0 344.4



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





#73

Isopropylbenzene

Concen: 21.59 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion:105 Resp: 142368

Ion Ratio Lower Upper

105 100

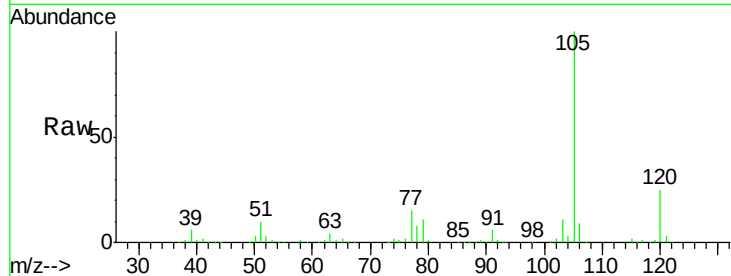
120 26.1 13.6 40.7

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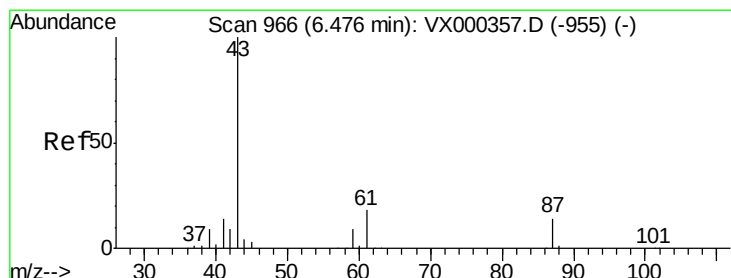
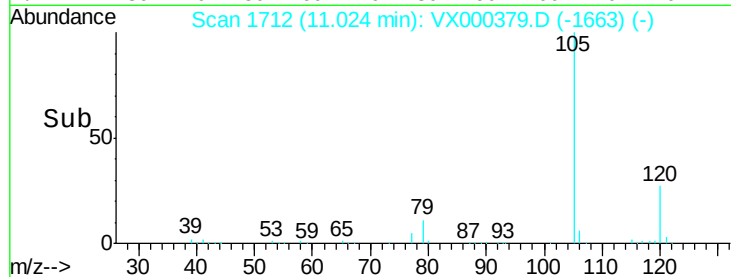
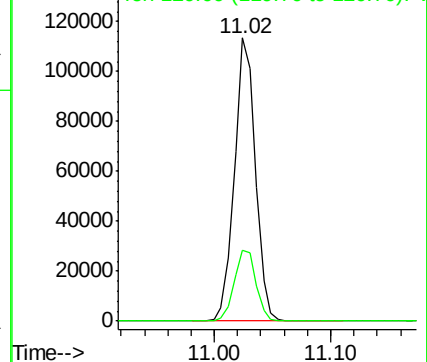
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.31 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion: 43 Resp: 72065

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

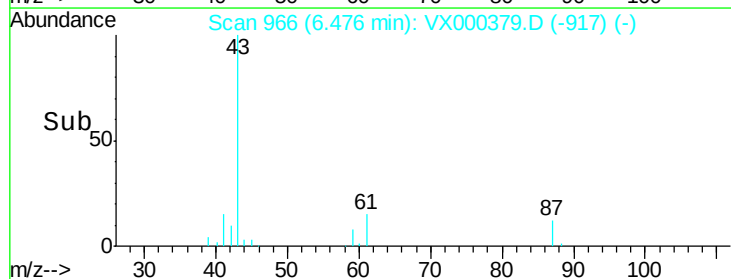
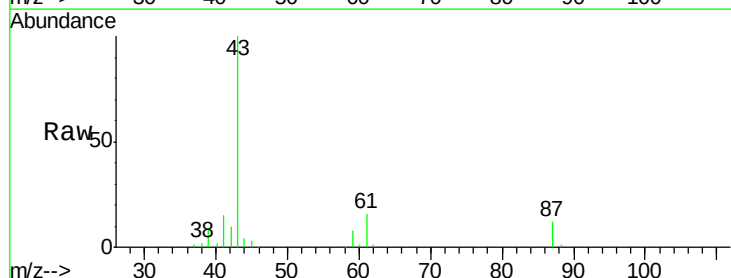
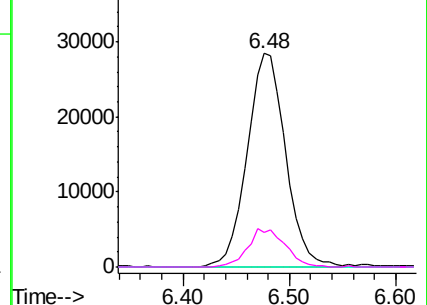
61 17.4 14.4 21.6

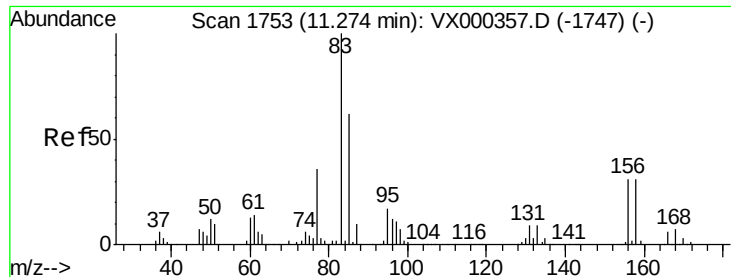
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.48 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

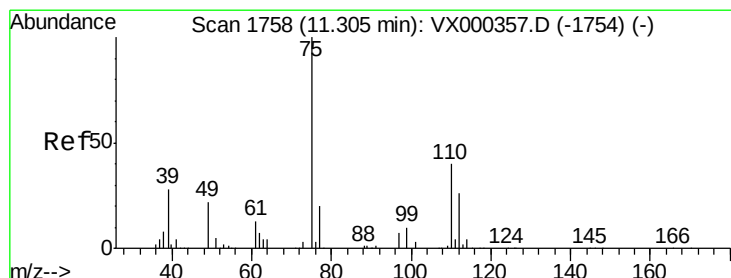
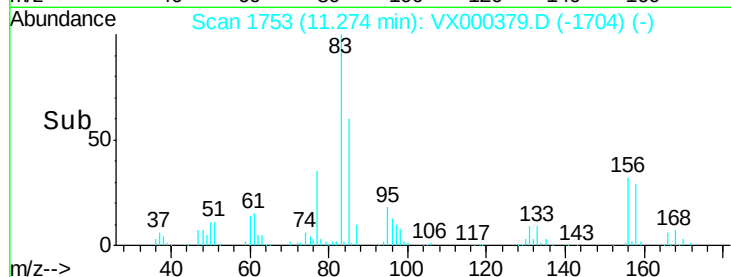
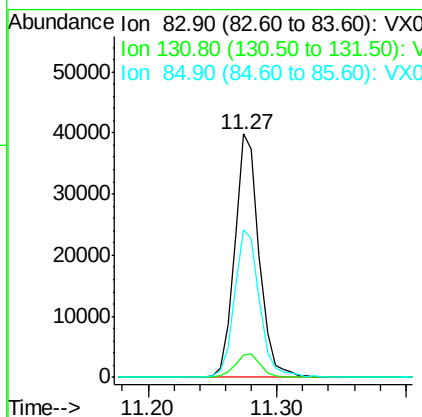
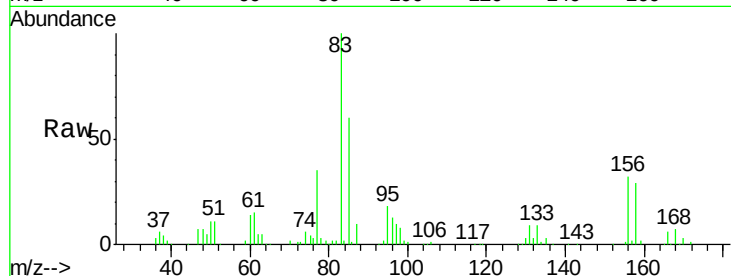
ClientSampleId :

VX0321WBSD02

Tot Ion:	83	Resp:	52433
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	62.4	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 21.67 ug/l m

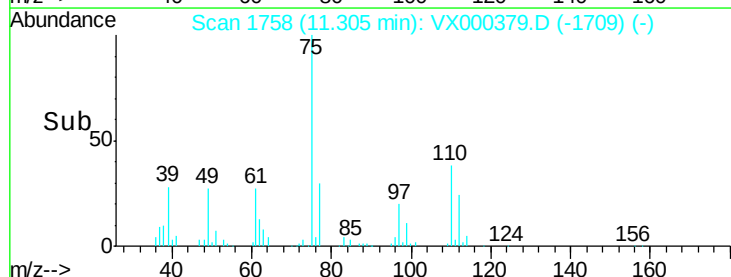
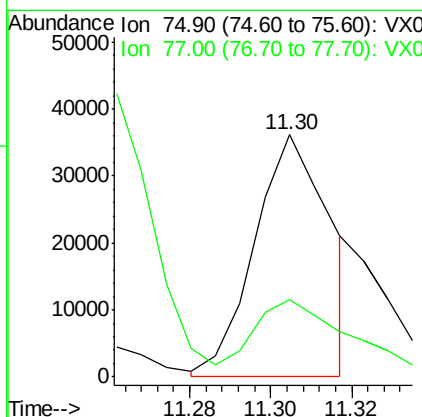
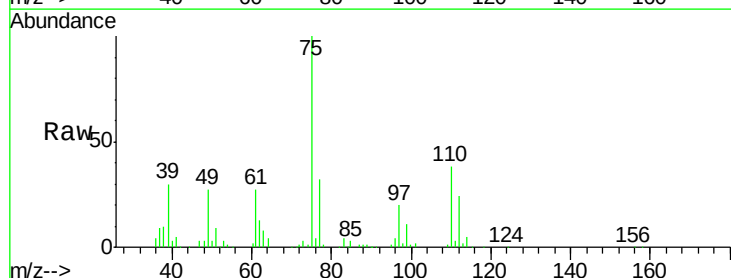
RT: 11.30 min Scan# 1758

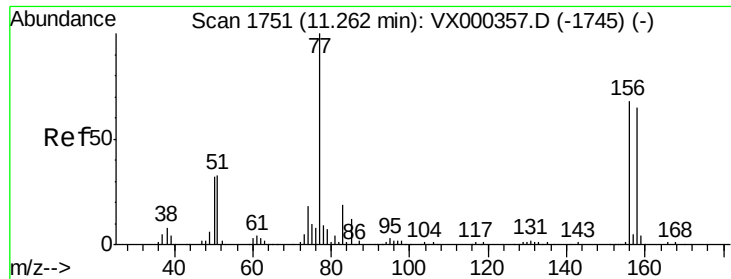
Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	75	Resp:	46359
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.4	64.2





#77

Bromobenzene

Concen: 20.40 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

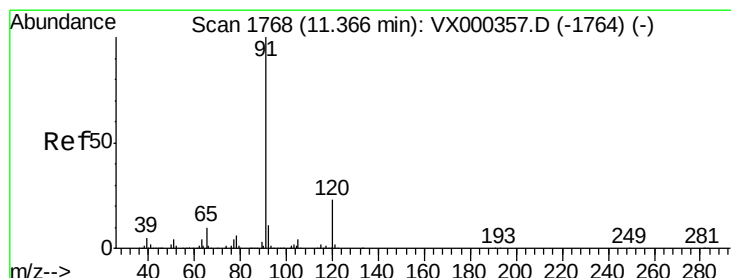
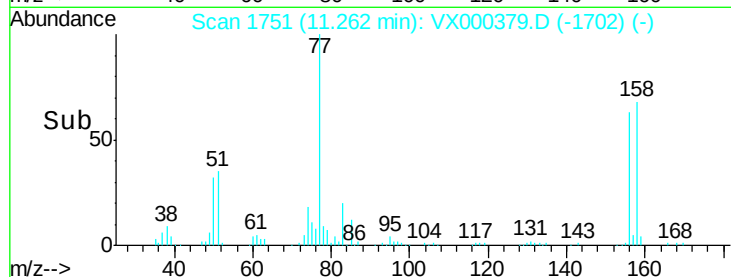
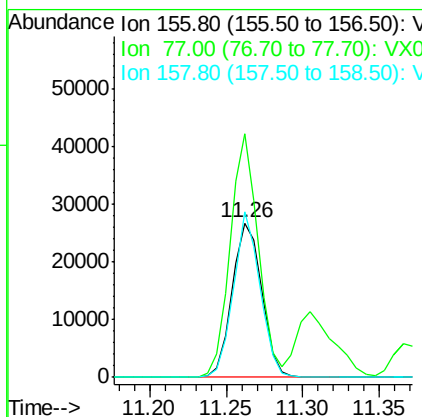
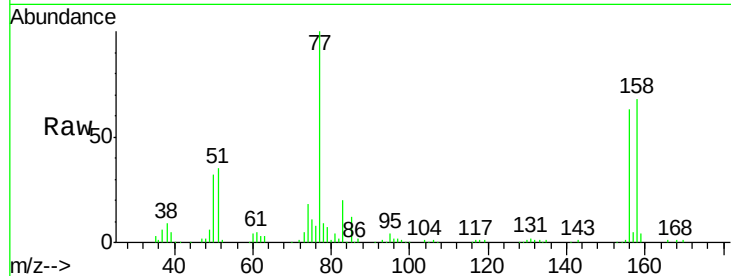
ClientSampleId :

VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.3	73.4	220.2
158	96.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.90 ug/l

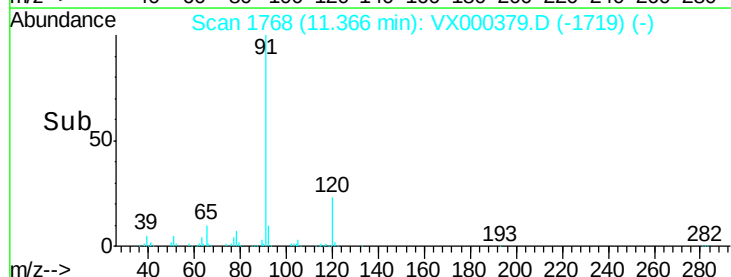
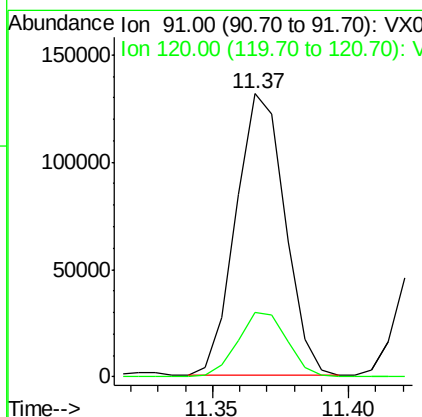
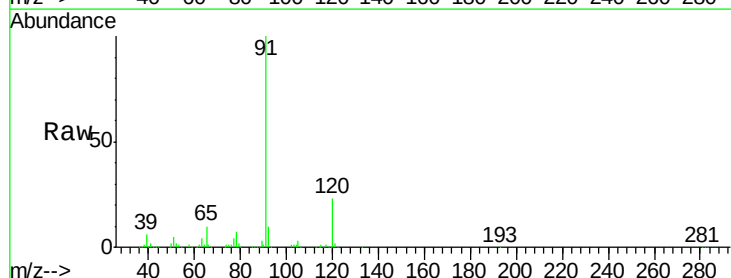
RT: 11.37 min Scan# 1768

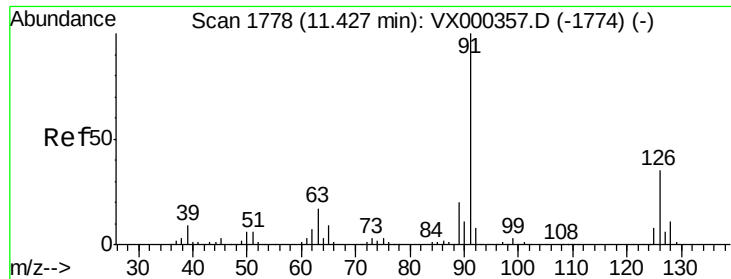
Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.8	35.3





#79

2-Chlorotoluene

Concen: 20.87 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0321WBSD02

Tot Ion: 91 Resp: 94836

Ion Ratio Lower Upper

91 100

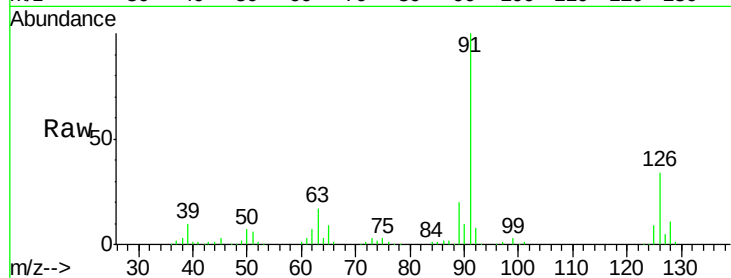
126 35.4 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)

150000

100000

50000

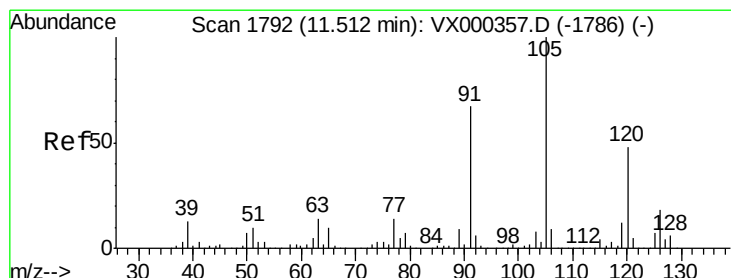
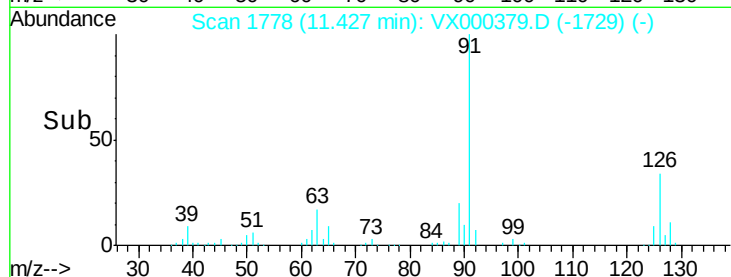
0

Time-->

11.40

11.43

11.45



#80

1,3,5-Trimethylbenzene

Concen: 21.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000379.D

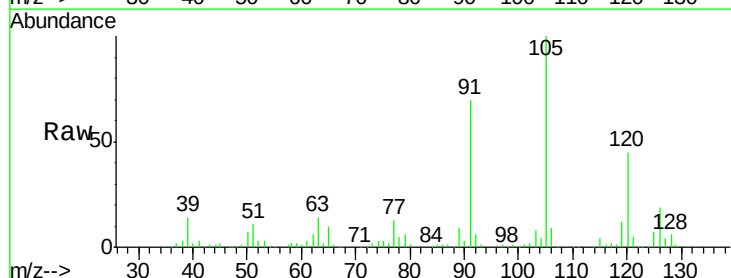
Acq: 21 Mar 2018 12:40

Tgt Ion: 105 Resp: 118600

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)

100000

80000

60000

40000

20000

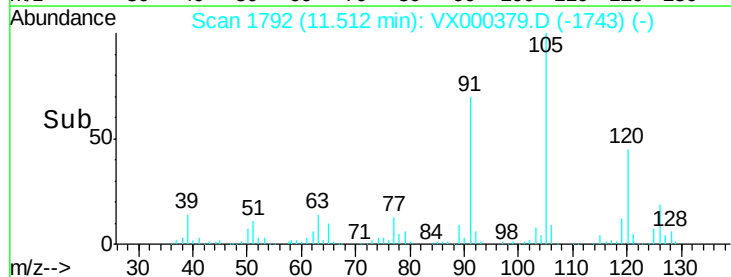
0

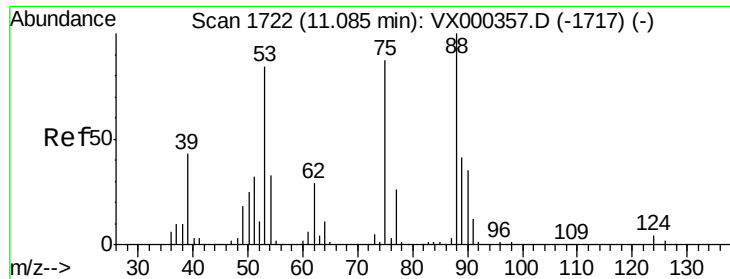
Time-->

11.50

11.51

11.60





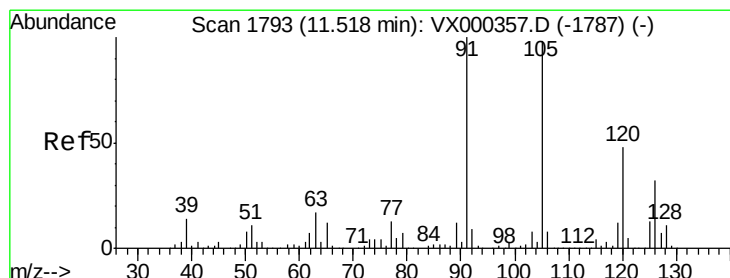
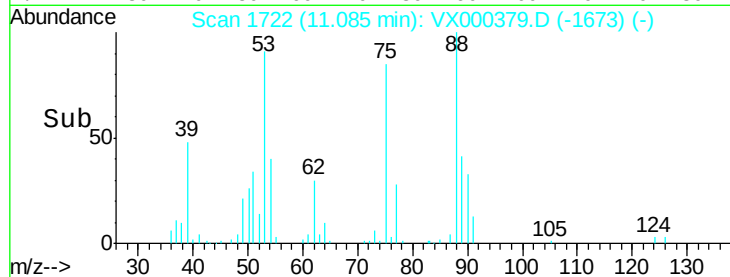
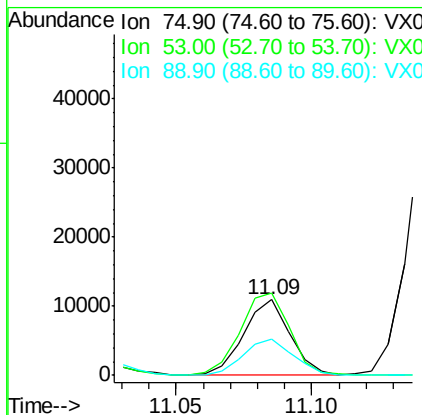
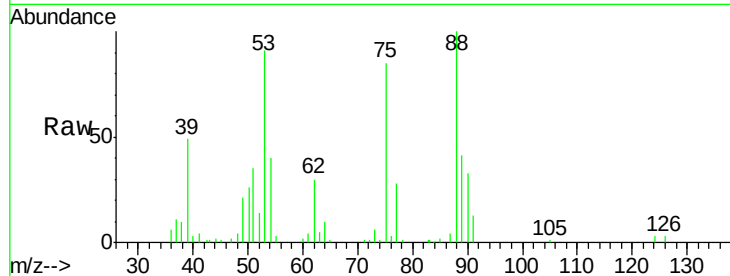
#81
trans-1,4-Dichloro-2-butene
Concen: 19.77 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	80.7	121.1
89	51.1	39.4	59.0

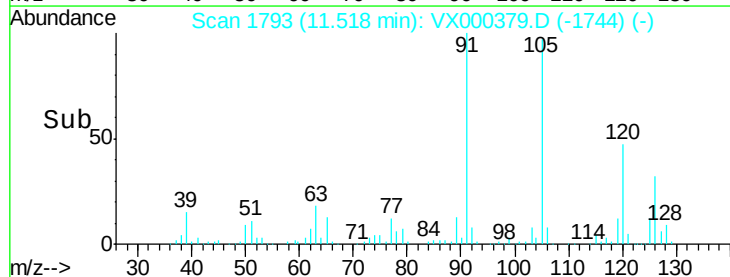
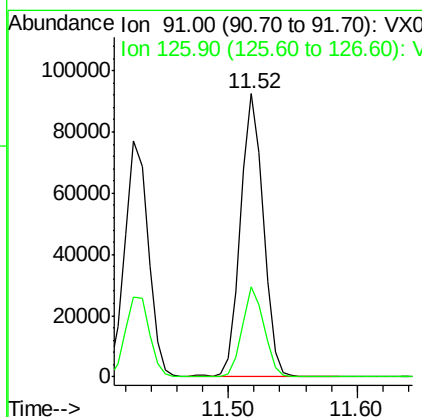
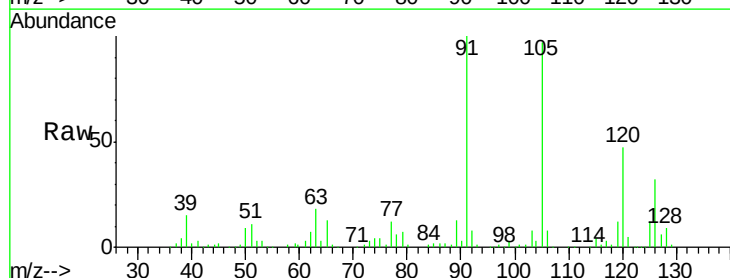
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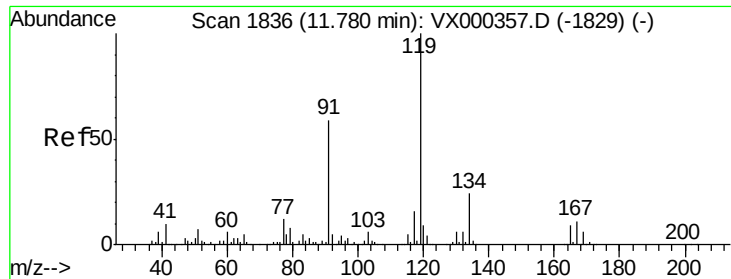
apatel
3/22/2018 2:44:30 PM



#82
4-Chlorotoluene
Concen: 20.97 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.4	46.1





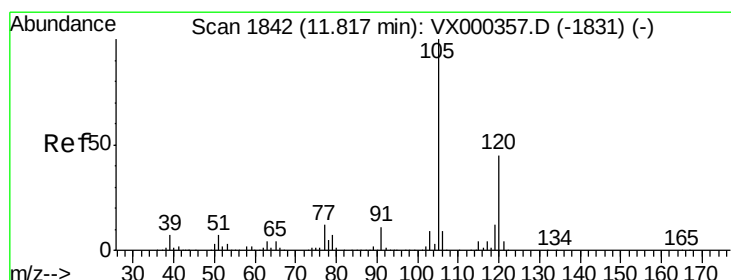
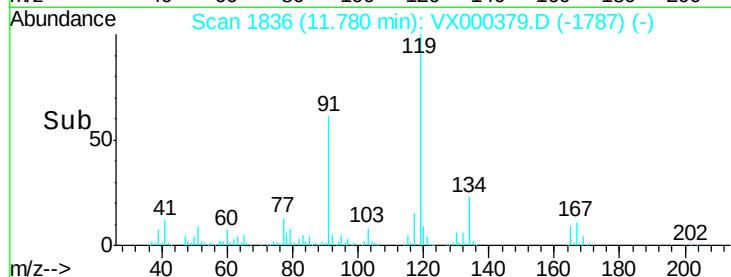
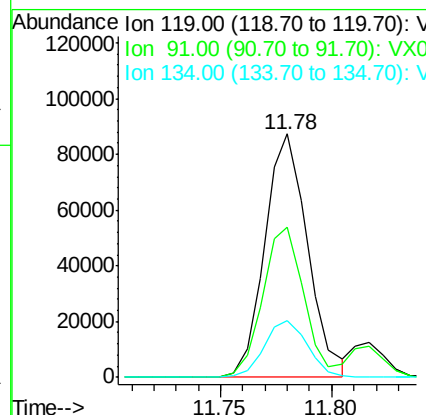
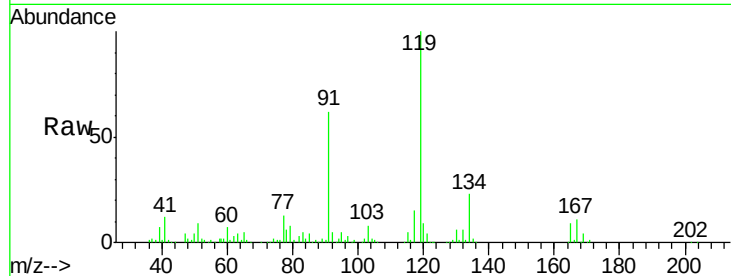
#83
 tert-Butylbenzene
 Concen: 20.88 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116760		
91	59.0	28.8	86.4	
134	23.4	11.4	34.1	

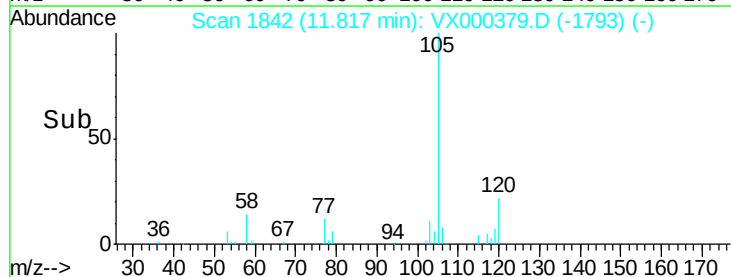
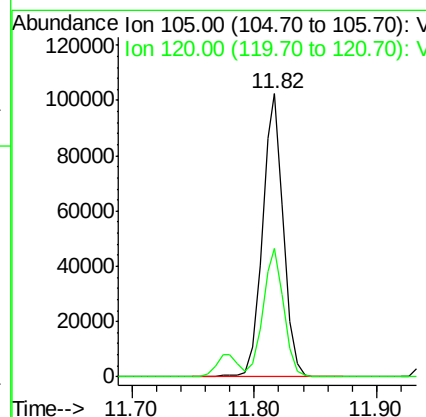
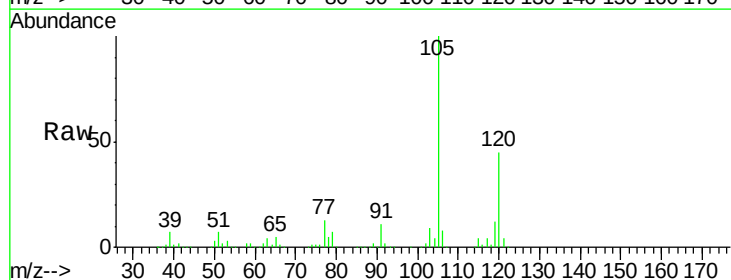
Manual Integrations
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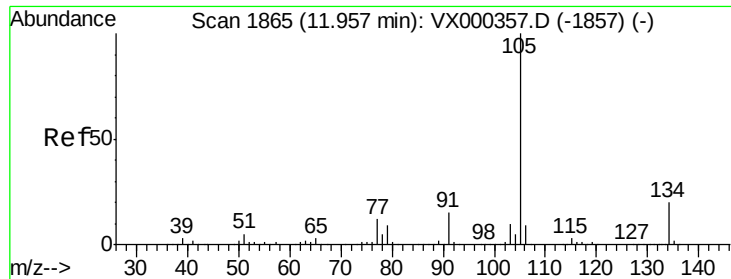
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.94 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121738		
120	45.0	22.4	67.3	





#85

sec-Butylbenzene

Concen: 21.00 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampled :

VX0321WBSD02

Tot Ion:105 Resp: 145310

Ion Ratio Lower Upper

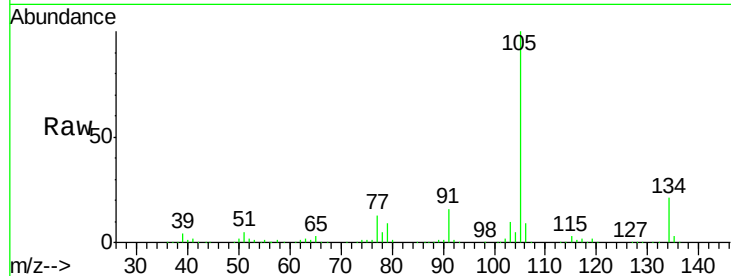
105 100

134 20.2 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

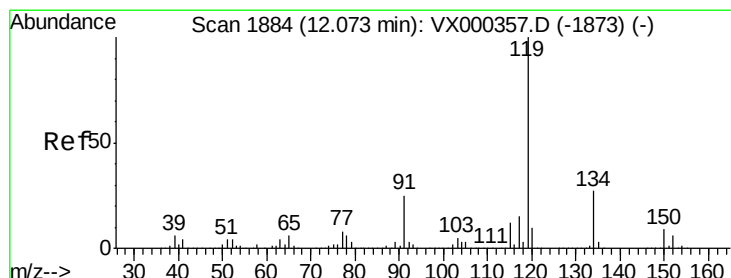
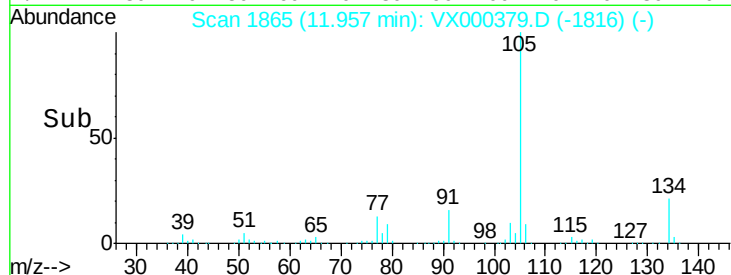
11.96

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.51 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

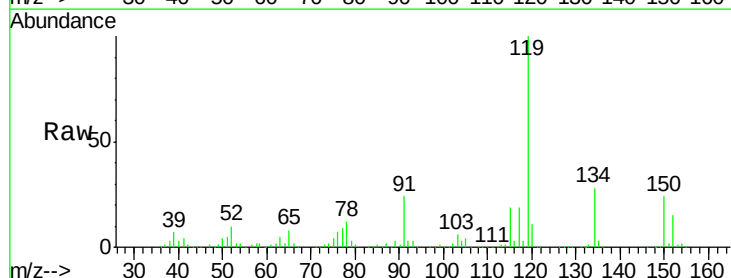
Tgt Ion:119 Resp: 126047

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 24.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

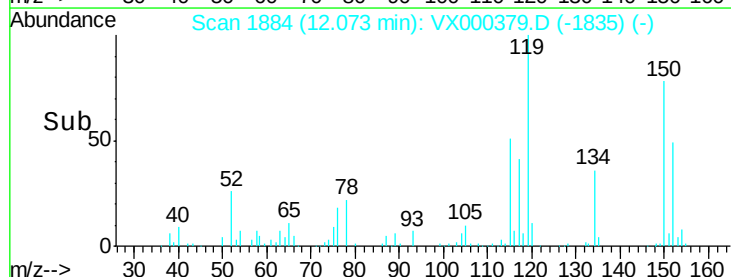
150000

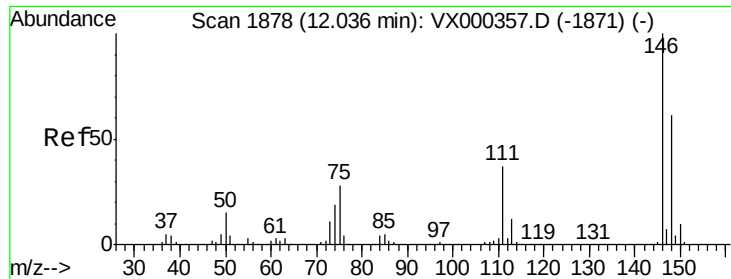
100000

50000

0

Time-->





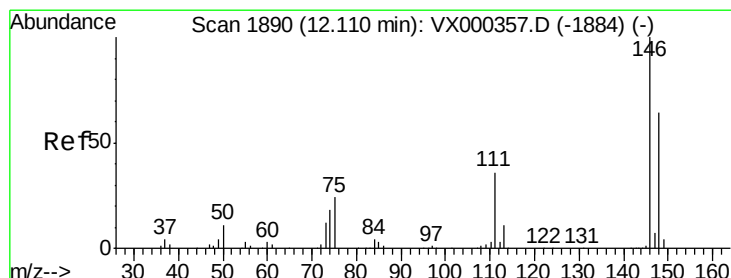
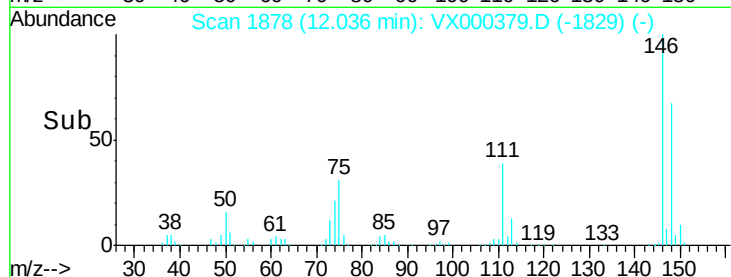
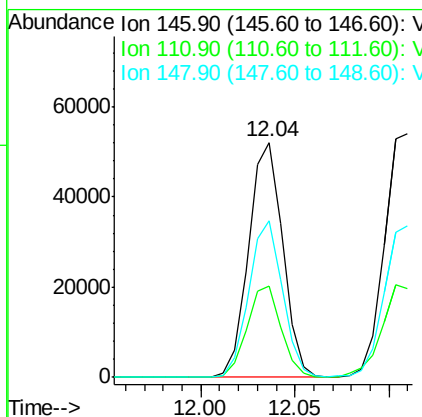
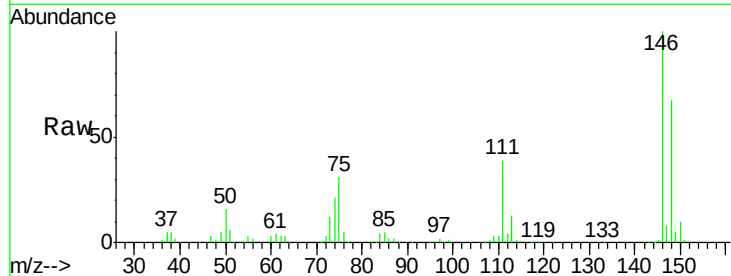
#87
 1,3-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	65.9	32.4	97.0

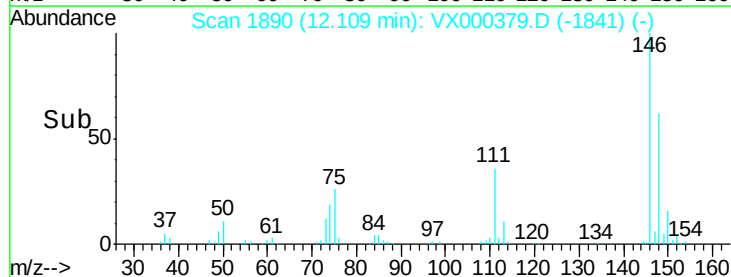
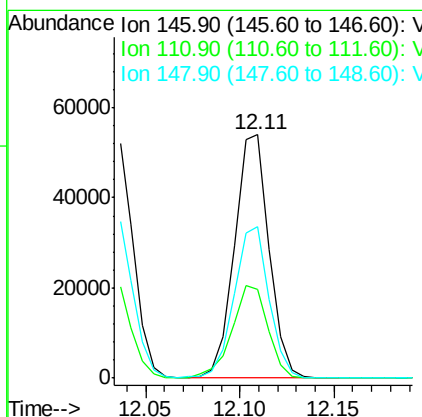
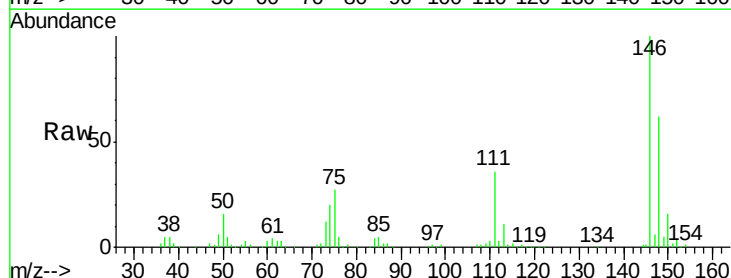
Manual Integrations
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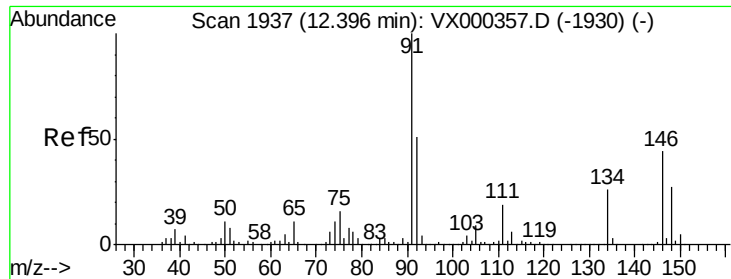
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#88
 1,4-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.9
148	62.8	31.0	93.0





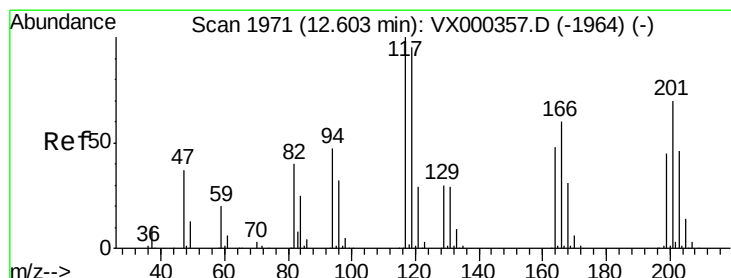
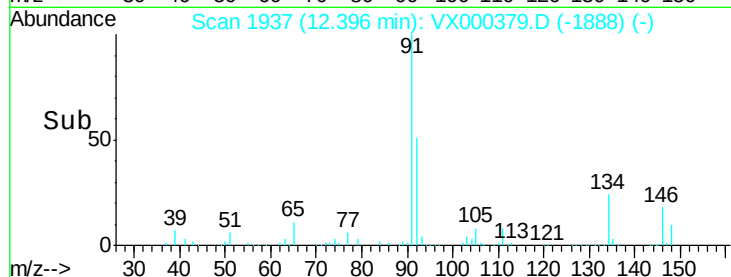
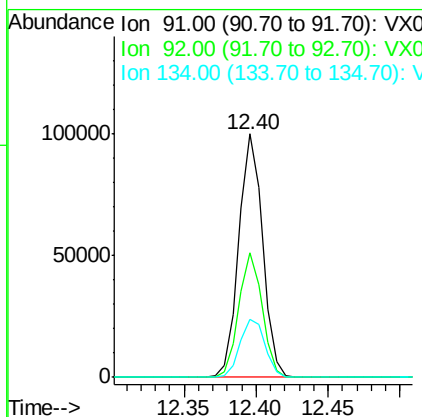
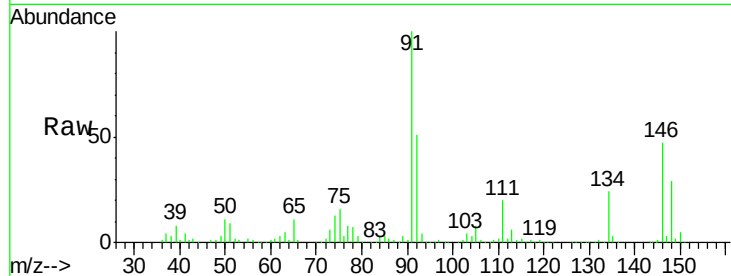
#89
n-Butylbenzene
Concen: 20.19 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	11520		
92	50.3	25.9	77.8	
134	25.3	13.1	39.3	

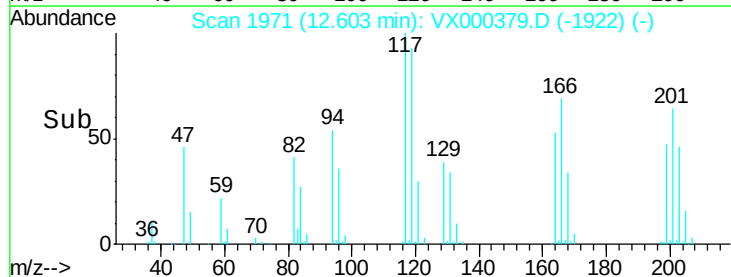
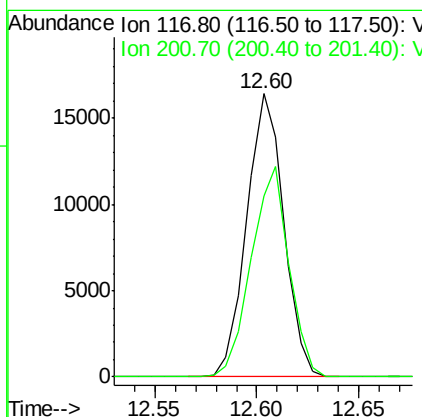
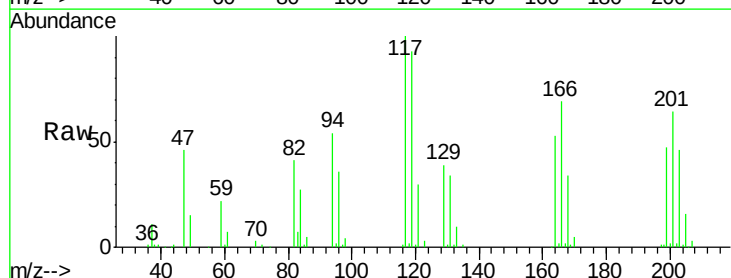
Manual Integrations
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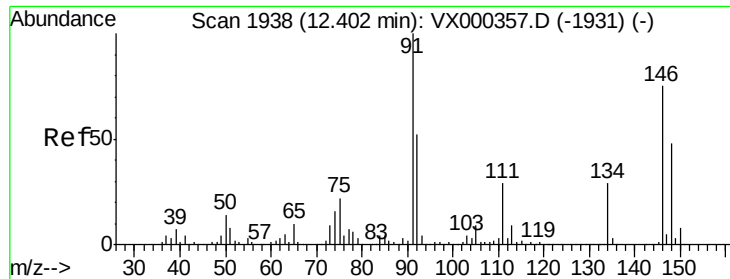
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#90
Hexachloroethane
Concen: 21.44 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	20738		
201	75.5	37.9	113.6	





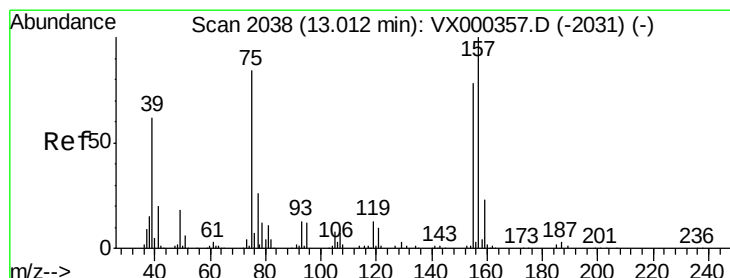
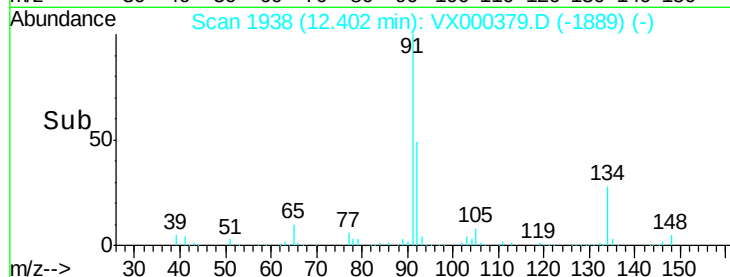
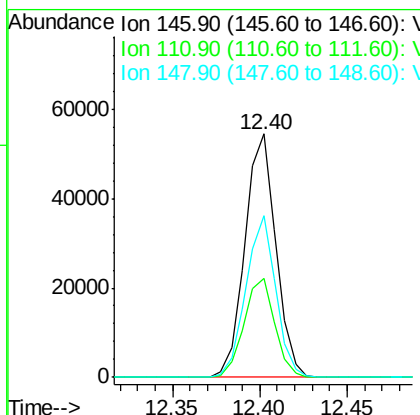
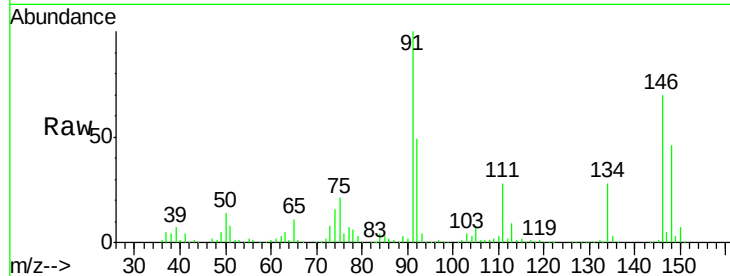
#91
1,2-Dichlorobenzene
Concen: 20.56 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :
VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	64.2	31.2	93.6

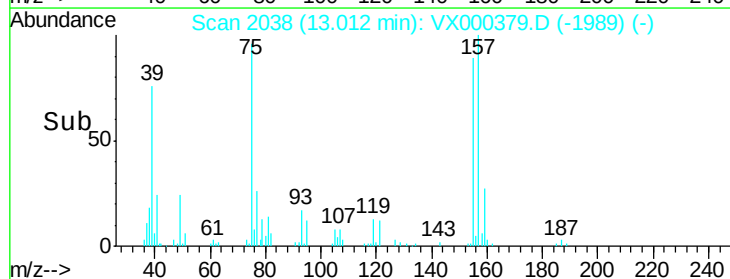
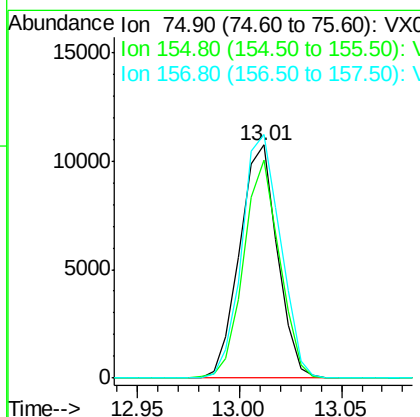
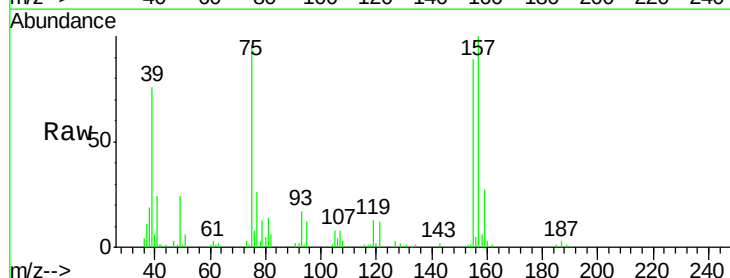
Manual Integrations
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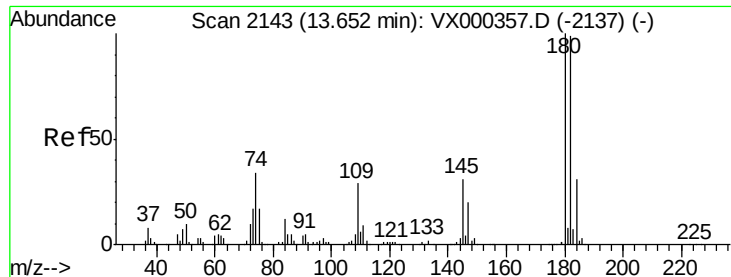
apatel
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#92
1,2-Dibromo-3-Chloropropane
Concen: 21.27 ug/l
RT: 13.01 min Scan# 2038
Delta R.T. -0.00 min
Lab File: VX000379.D
Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	45.0	134.8
157	106.9	58.1	174.2





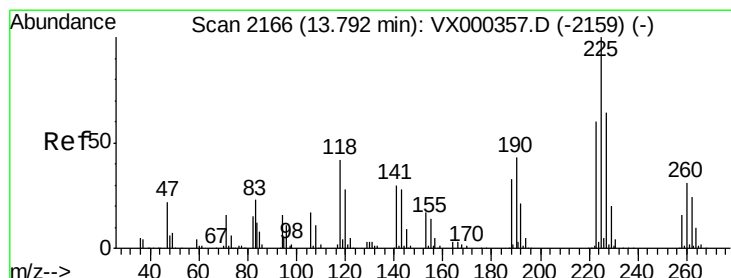
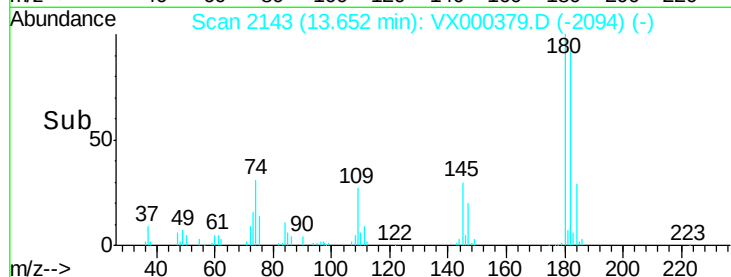
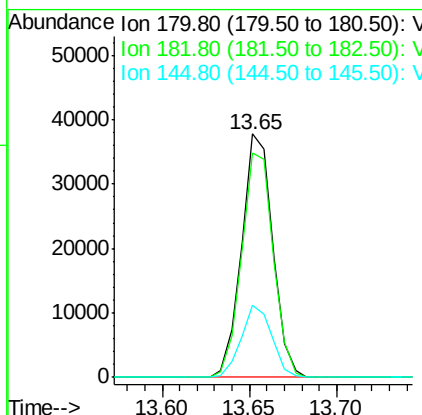
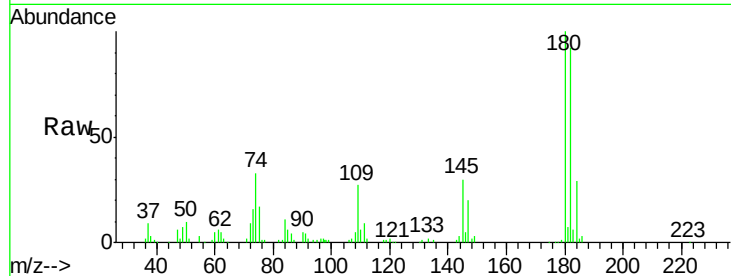
#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.9
145	29.1	15.1	45.3

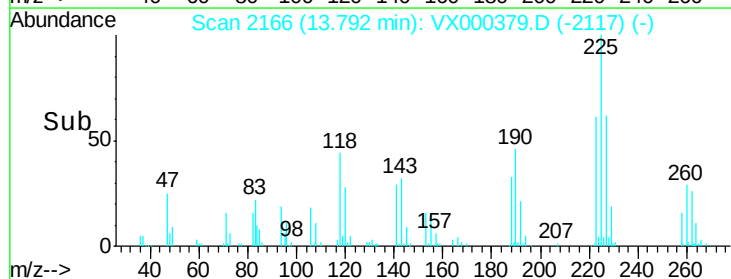
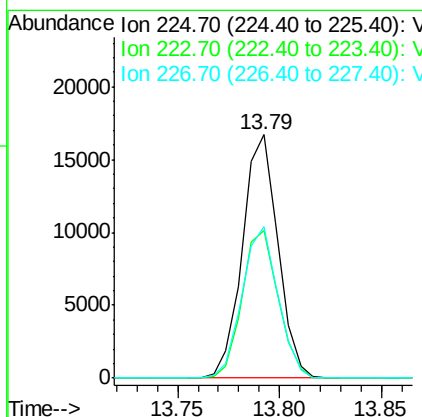
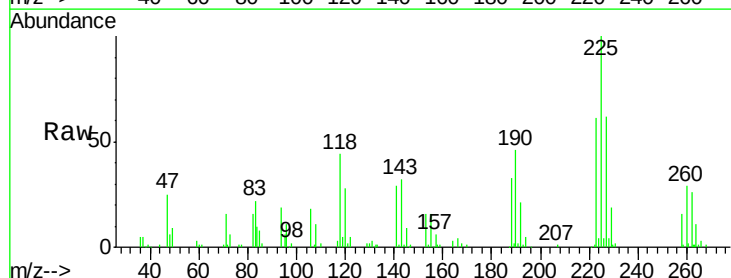
Manual Integrations
 APPROVED

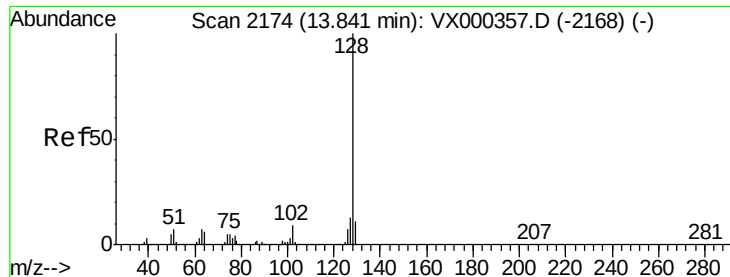
apatel
 3/22/2018 2:44:30 PM



#94
 Hexachlorobutadiene
 Concen: 20.96 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000379.D
 Acq: 21 Mar 2018 12:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.0	96.0
227	62.5	32.6	98.0





#95

Naphthalene

Concen: 21.21 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Instrument :

MSVOA_X

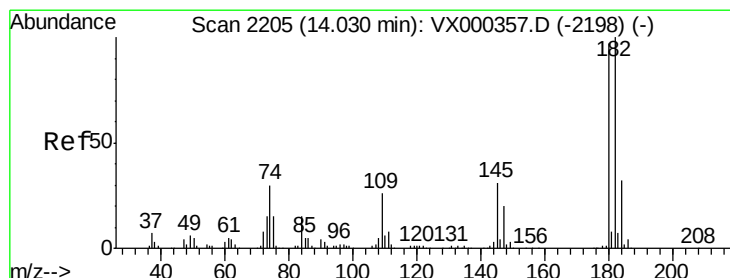
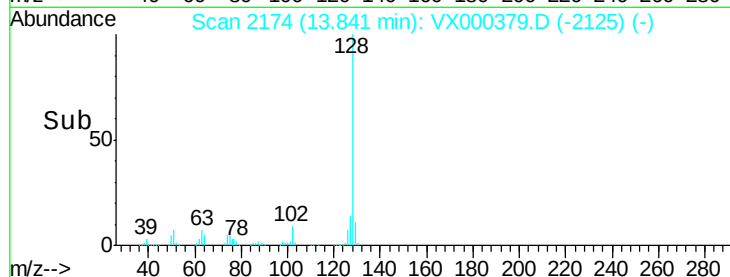
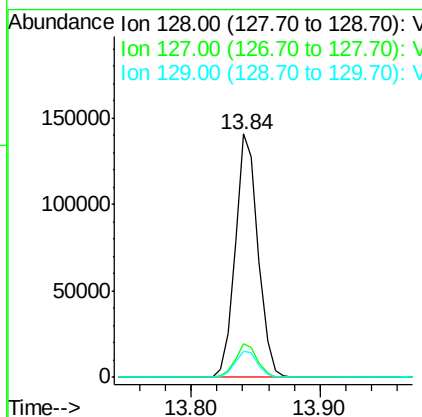
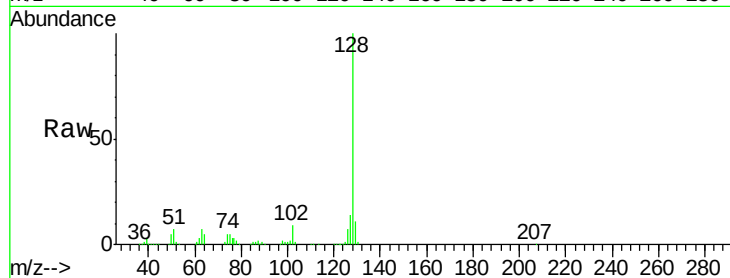
ClientSampleId :

VX0321WBSD02

Tot Ion:	128	Resp:	172536
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

apatel
3/22/2018 2:44:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.71 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000379.D

Acq: 21 Mar 2018 12:40

Tgt Ion:	180	Resp:	47780
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.4	142.3
145	30.6	15.8	47.3

