

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002198.D
 Acq On : 01 Jun 2018 01:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:13 PM

Quant Time: Jun 01 04:57:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	197615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290371	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	191475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	155747	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	
35) Dibromofluoromethane	5.51	113	118943	40.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.92%	
50) Toluene-d8	8.72	98	440585	41.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.82%	
62) 4-Bromofluorobenzene	11.14	95	177916	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89292	35.516	ug/l	98
3) Chloromethane	1.32	50	137630	45.265	ug/l	99
4) Vinyl Chloride	1.41	62	139899	47.653	ug/l	100
5) Bromomethane	1.64	94	81882	60.801	ug/l	99
6) Chloroethane	1.72	64	94374	54.531	ug/l	100
7) Trichlorofluoromethane	1.93	101	221448	50.228	ug/l	99
8) Diethyl Ether	2.19	74	94654	59.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119377	48.524	ug/l	96
10) Methyl Iodide	2.51	142	159124	47.802	ug/l	98
11) Tert butyl alcohol	3.08	59	215229	310.406	ug/l	99
12) 1,1-Dichloroethene	2.37	96	118499	51.446	ug/l	94
13) Acrolein	2.30	56	61085	203.757	ug/l	98
14) Allyl chloride	2.73	41	264721	54.751	ug/l	97
15) Acrylonitrile	3.15	53	431306	302.491	ug/l	98
16) Acetone	2.45	43	412334	302.463	ug/l	98
17) Carbon Disulfide	2.57	76	273462	41.252	ug/l	100
18) Methyl Acetate	2.78	43	219391	67.196	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	502796	58.038	ug/l	100
20) Methylene Chloride	2.86	84	148184	63.220	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	132135	59.215	ug/l	97
22) Diisopropyl ether	3.87	45	493266	50.156	ug/l	94
23) Vinyl Acetate	3.83	43	2134793	261.808	ug/l	98
24) 1,1-Dichloroethane	3.70	63	237751	50.892	ug/l	99
25) 2-Butanone	4.71	43	595944	238.512	ug/l	97
26) 2,2-Dichloropropane	4.59	77	157336	33.274	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	141478	47.103	ug/l	96
28) Bromochloromethane	5.03	49	127253	65.456	ug/l	100
29) Tetrahydrofuran	5.17	42	395045	243.011	ug/l	100
30) Chloroform	5.22	83	256952	48.820	ug/l	99
31) Cyclohexane	5.58	56	196886	40.451	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	215961	44.013	ug/l	99
36) 1,1-Dichloropropene	5.80	75	173297	42.906	ug/l	98
37) Ethyl Acetate	4.87	43	235178	44.663	ug/l	99
38) Carbon Tetrachloride	5.79	117	182279	38.701	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	191394	38.572	ug/l	98
40) Benzene	6.15	78	556547	47.034	ug/l	100
41) Methacrylonitrile	5.07	41	134073	48.202	ug/l	99
42) 1,2-Dichloroethane	6.20	62	223511	47.288	ug/l	99
43) Isopropyl Acetate	6.47	43	393711	44.874	ug/l	99
44) Trichloroethene	7.22	130	155370	45.059	ug/l	99
45) 1,2-Dichloropropane	7.52	63	152882	47.575	ug/l	99
46) Dibromomethane	7.67	93	100355	47.169	ug/l	99
47) Bromodichloromethane	7.90	83	189288	41.726	ug/l	98
48) Methyl methacrylate	7.78	41	201108	45.037	ug/l	98
49) 1,4-Dioxane	7.76	88	79307	1007.854	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1290320	243.968	ug/l	100
52) Toluene	8.79	92	360817	47.914	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	223495	42.775	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	210883	41.421	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	152061	48.337	ug/l	99
56) Ethyl methacrylate	9.19	69	245104	45.297	ug/l	98
57) 1,3-Dichloropropane	9.38	76	252446	48.712	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	548071	228.525	ug/l	100
59) 2-Hexanone	9.50	43	1002069	245.720	ug/l	99
60) Dibromochloromethane	9.59	129	155257	41.667	ug/l	100
61) 1,2-Dibromoethane	9.68	107	160318	48.567	ug/l	99
64) Tetrachloroethene	9.34	164	176539	44.043	ug/l	99
65) Chlorobenzene	10.14	112	410488	46.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	153513	42.922	ug/l	99
67) Ethyl Benzene	10.26	91	706888	45.935	ug/l	99
68) m/p-Xylenes	10.37	106	546288	92.864	ug/l	100
69) o-Xylene	10.70	106	271948	46.299	ug/l	99
70) Styrene	10.72	104	456799	46.894	ug/l	100
71) Bromoform	10.86	173	121701	35.885	ug/l #	99
73) Isopropylbenzene	11.02	105	721251	44.483	ug/l	99
74) N-amyl acetate	6.47	43	393711	46.592	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	226413	51.084	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	235954m	51.304	ug/l	
77) Bromobenzene	11.26	156	198218	46.077	ug/l	97
78) n-propylbenzene	11.37	91	808641	44.529	ug/l	100
79) 2-Chlorotoluene	11.43	91	499947	50.194	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	621980	44.887	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	63225	33.040	ug/l	88
82) 4-Chlorotoluene	11.51	91	588294	45.931	ug/l	100
83) tert-Butylbenzene	11.77	119	591496	43.500	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	645430	45.074	ug/l	100
85) sec-Butylbenzene	11.95	105	721689	44.152	ug/l	100
86) p-Isopropyltoluene	12.07	119	652111	44.584	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	358725	46.562	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	361560	46.942	ug/l	99
89) n-Butylbenzene	12.39	91	547356	44.164	ug/l	99
90) Hexachloroethane	12.60	117	99430	34.463	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	372904	47.506	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	54566	37.851	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	259097	46.160	ug/l	100
94) Hexachlorobutadiene	13.79	225	123654	40.953	ug/l	99
95) Naphthalene	13.84	128	798805	46.192	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	269994	46.487	ug/l	100

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

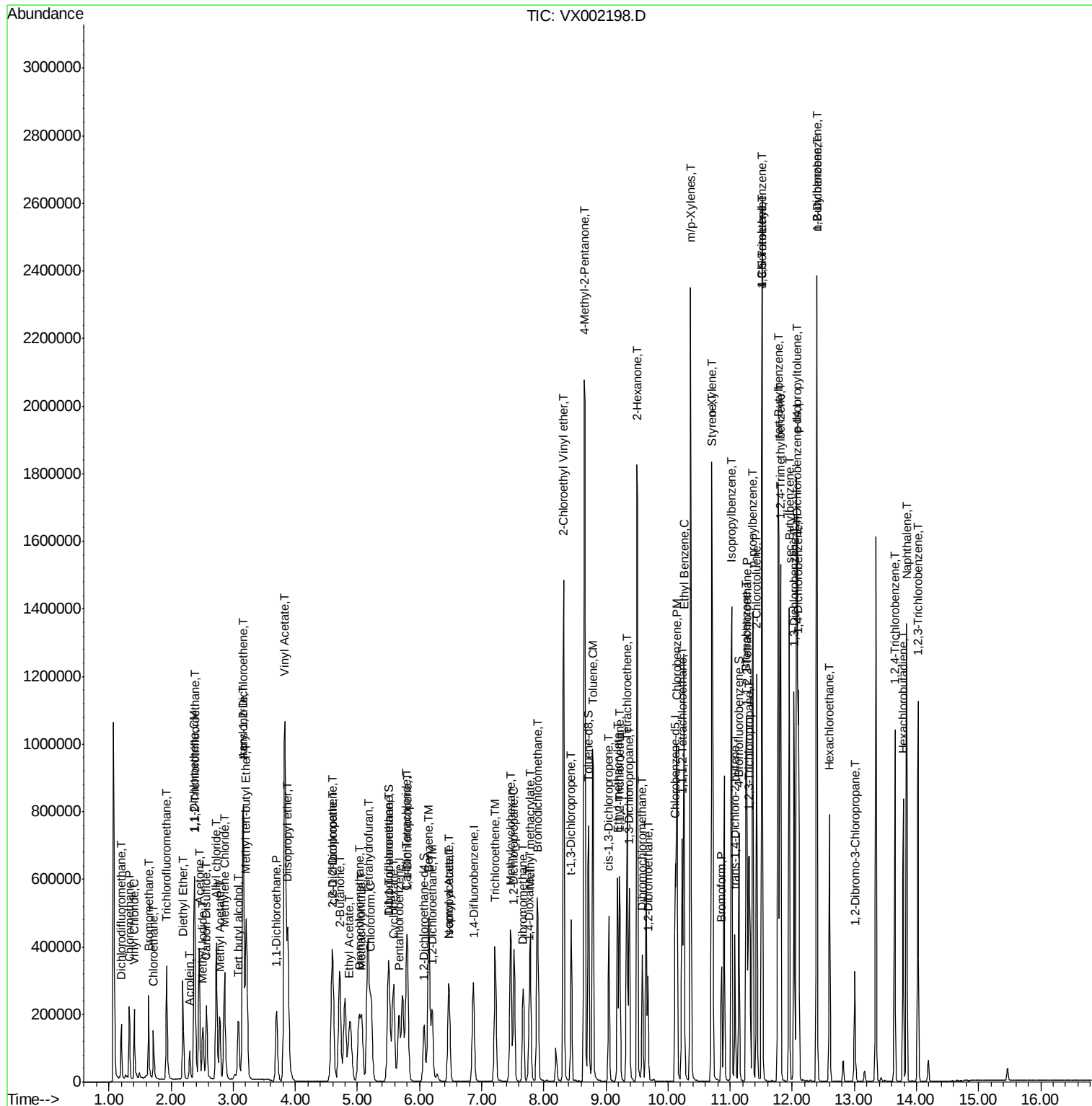
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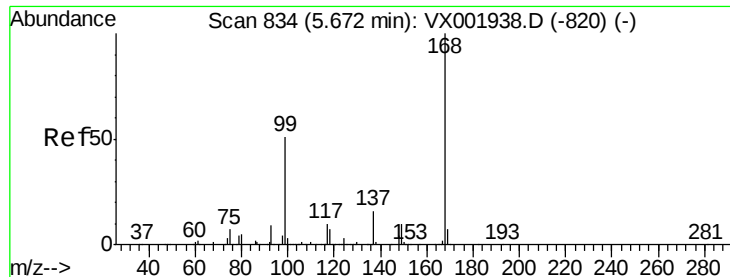
Instrument :
MSVOA_X
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#1

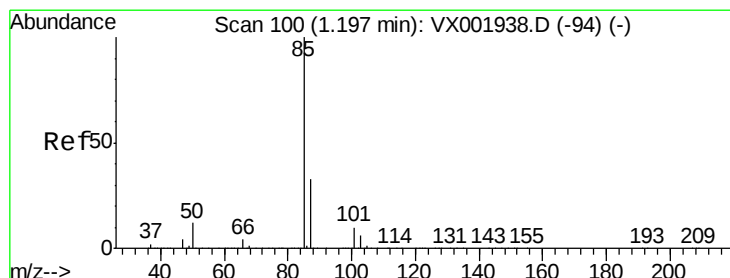
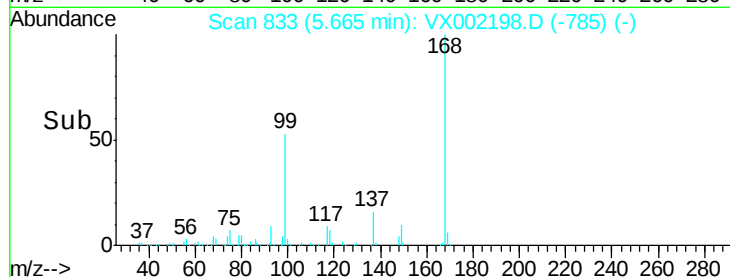
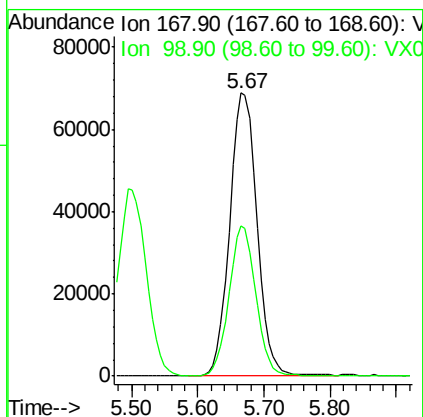
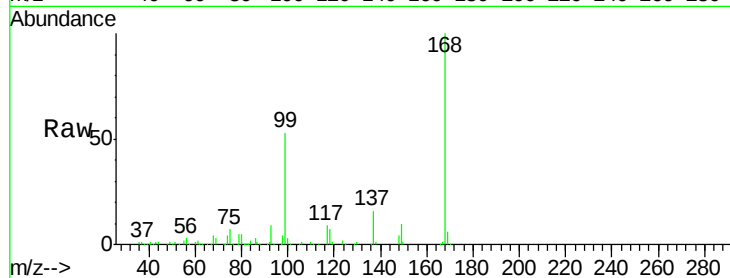
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	197615		
99	52.6	41.0	61.4	

Manual Integrations
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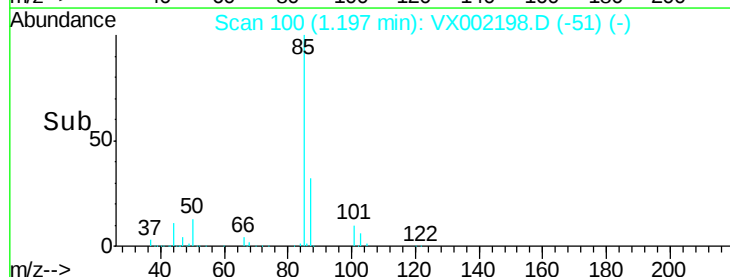
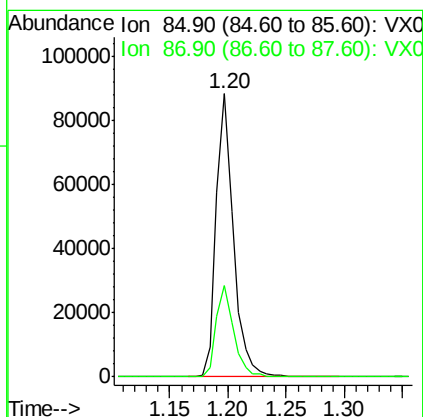
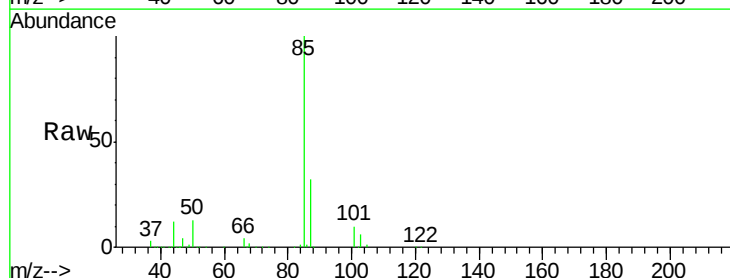
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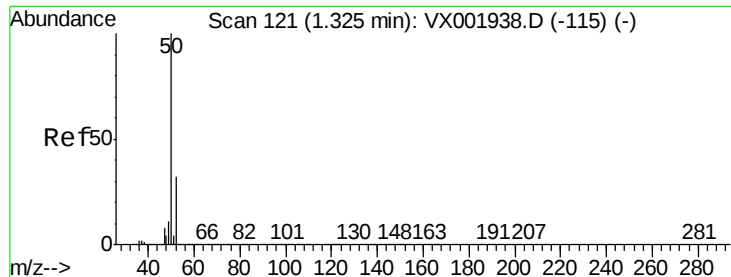


#2

Dichlorodifluoromethane
Concen: 35.516 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	89292		
87	32.4	16.7	50.0	





#3

Chloromethane

Concen: 45.265 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137630

Ion Ratio Lower Upper

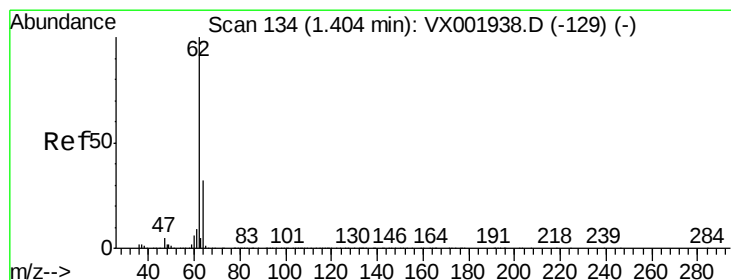
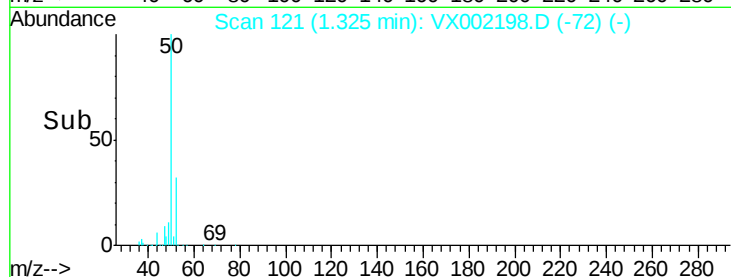
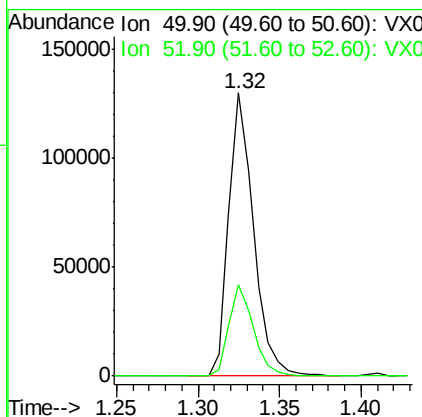
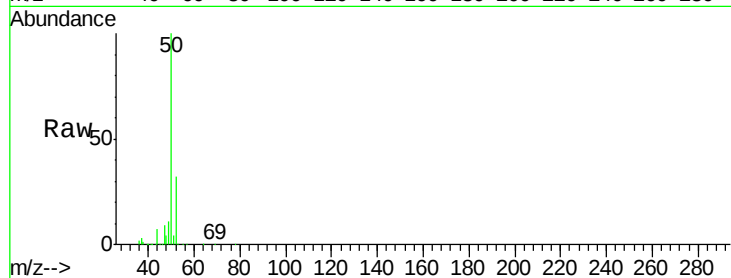
50 100

52 32.1 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.653 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002198.D

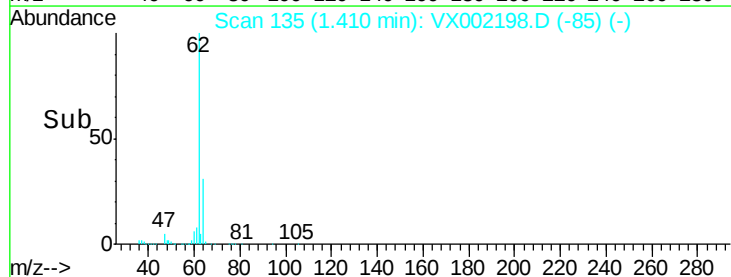
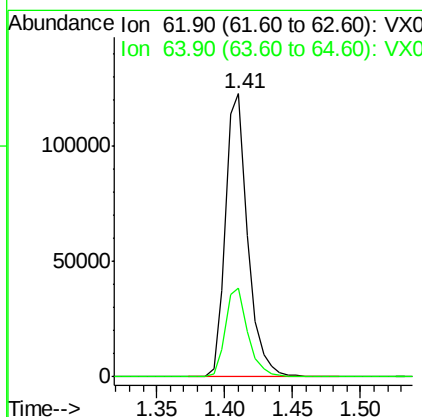
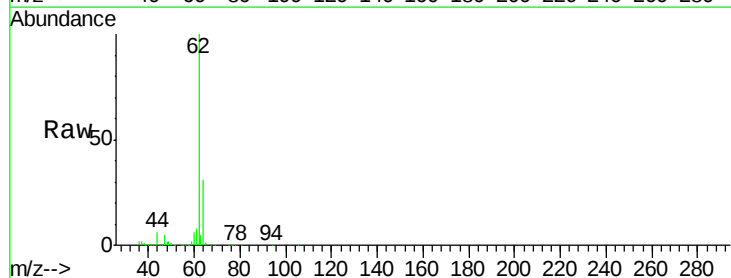
Acq: 01 Jun 2018 01:42

Tgt Ion: 62 Resp: 139899

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 60.801 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81882

Ion Ratio Lower Upper

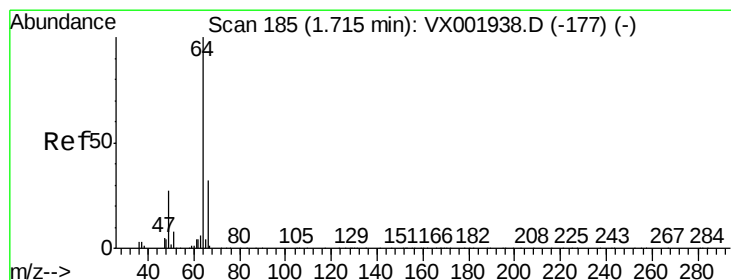
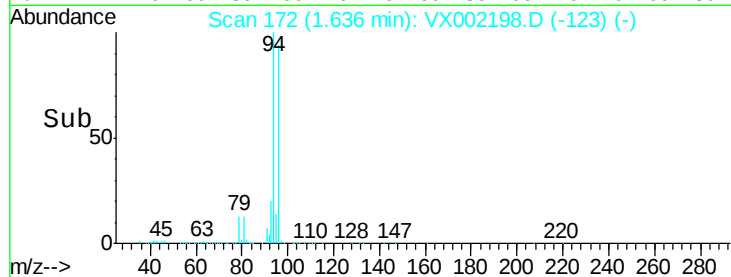
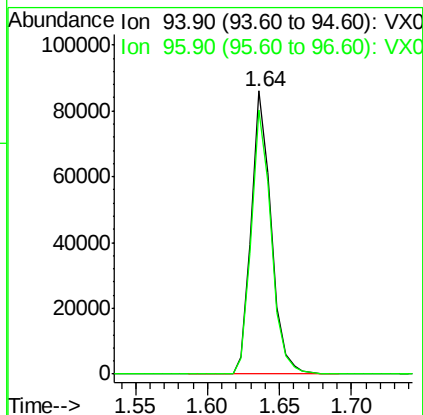
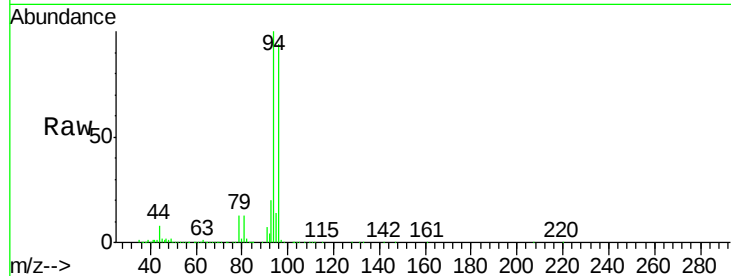
94 100

96 93.5 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 54.531 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX002198.D

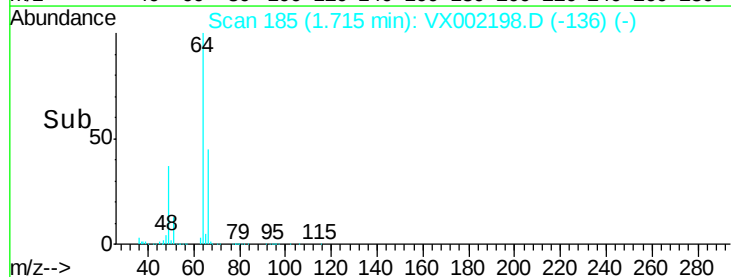
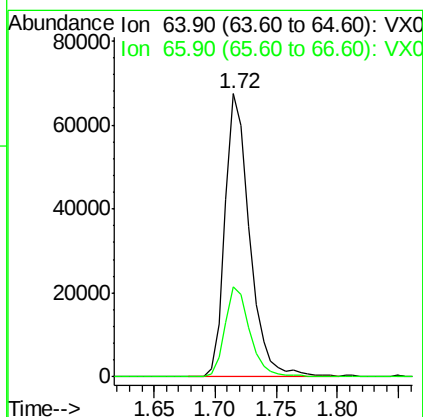
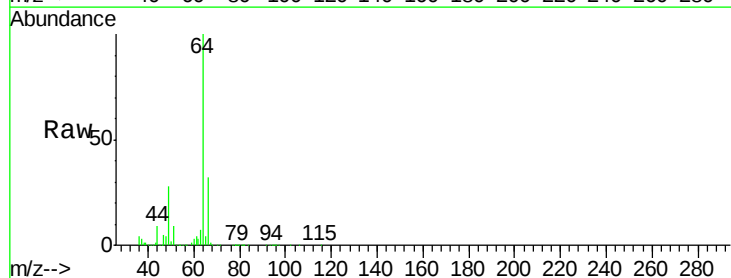
Acq: 01 Jun 2018 01:42

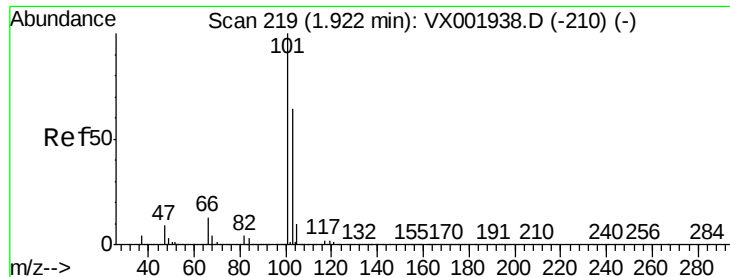
Tgt Ion: 64 Resp: 94374

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

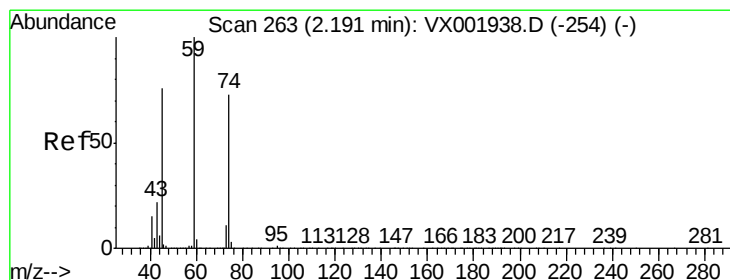
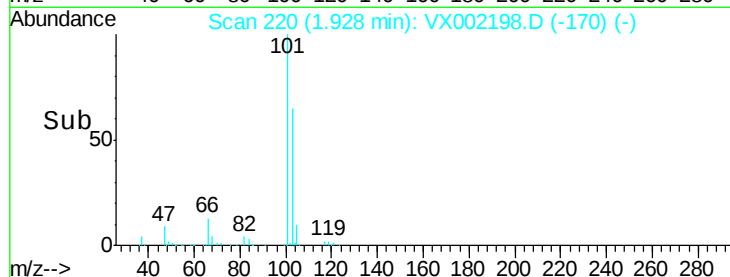
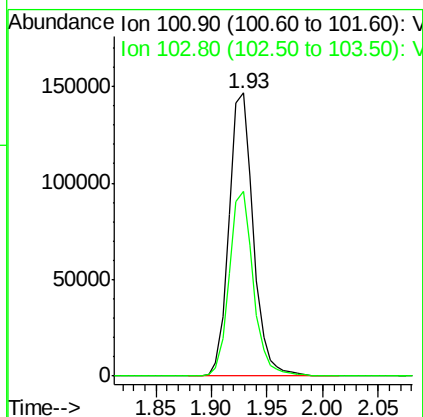
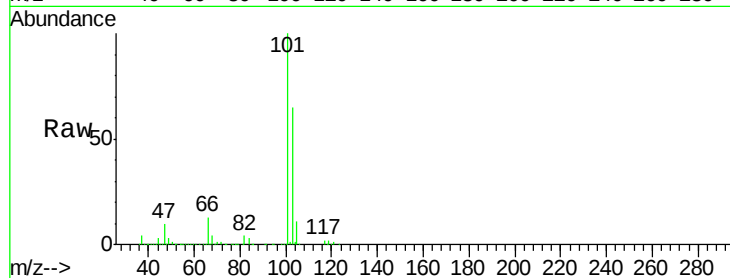
Trichlorofluoromethane
Concen: 50.228 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.0

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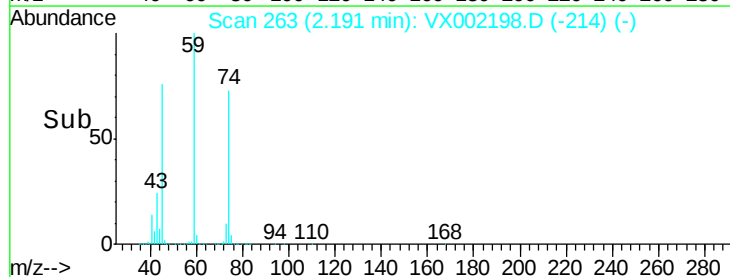
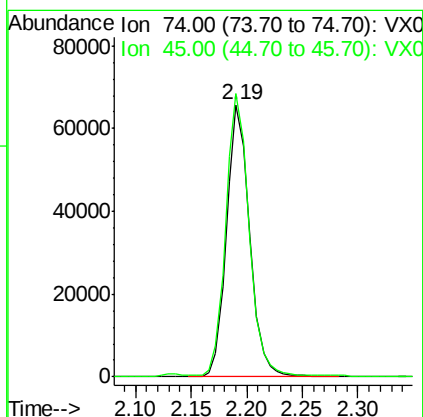
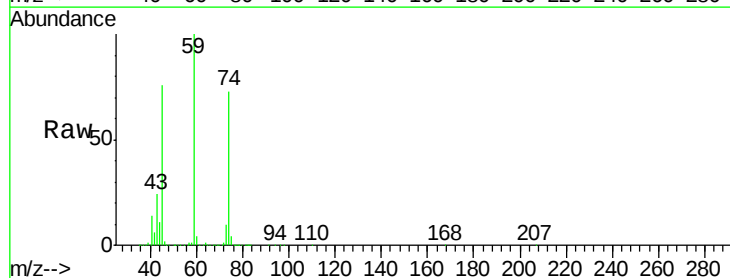
MMDadoda
6/1/2018 6:37:13 PM

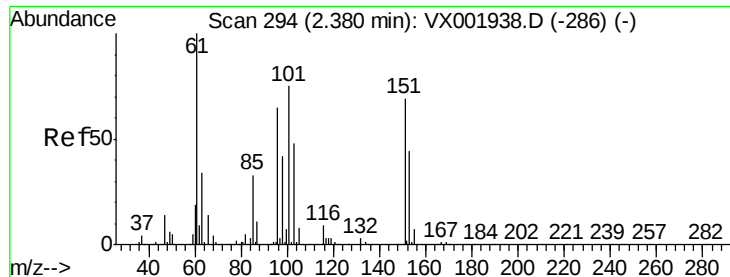


#8

Diethyl Ether
Concen: 59.172 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.524 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

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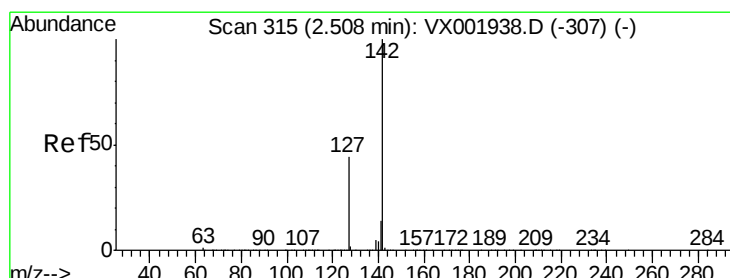
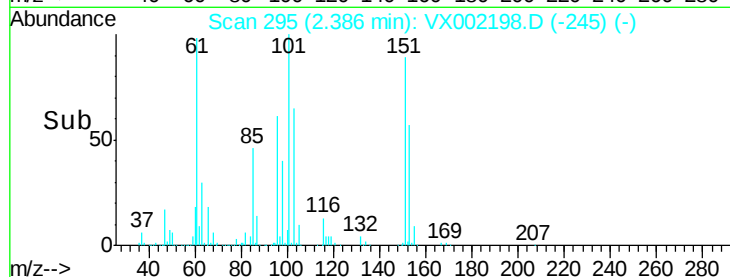
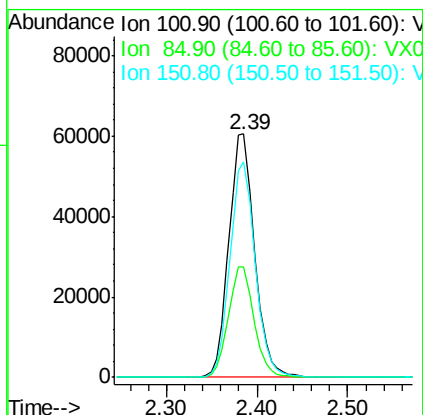
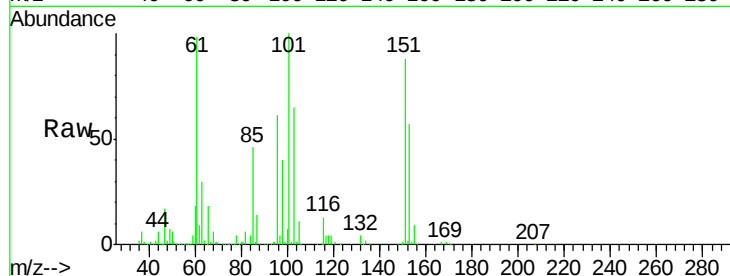
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119377
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.6	53.4
151	87.0	73.2	109.8

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#10

Methyl Iodide

Concen: 47.802 ug/l

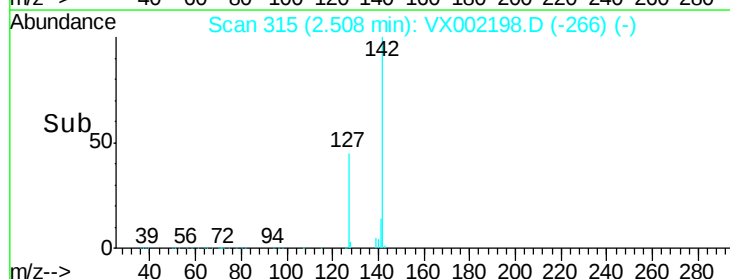
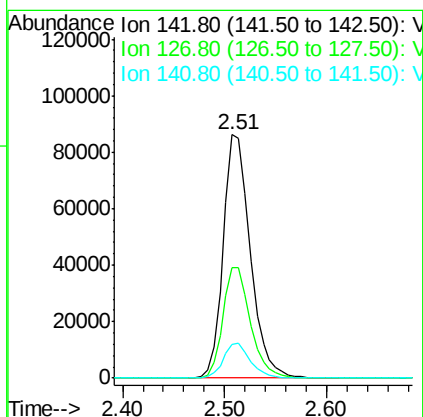
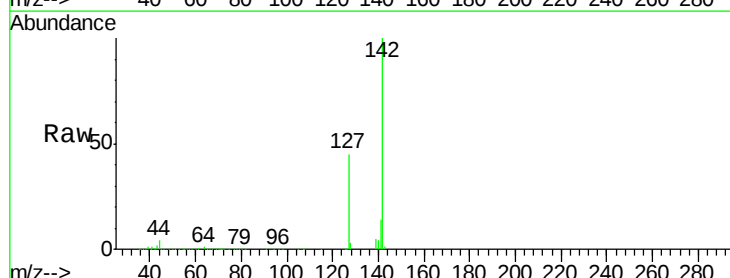
RT: 2.51 min Scan# 315

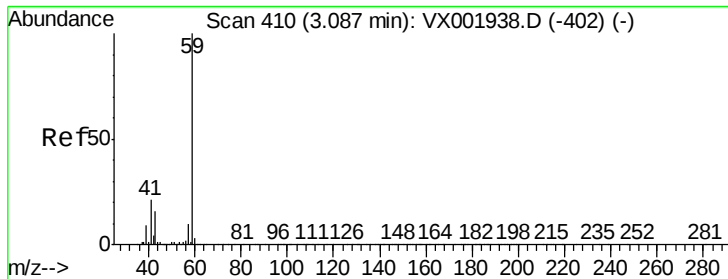
Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tgt Ion:	142	Resp:	159124
Ion Ratio	Lower	Upper	
142	100		
127	46.4	35.5	53.3
141	14.3	11.3	16.9





#11

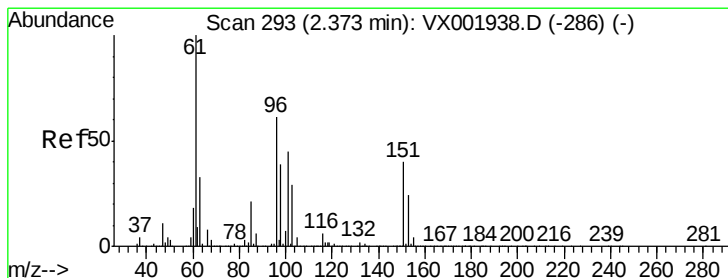
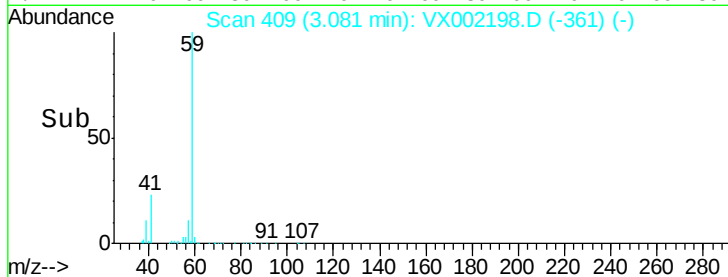
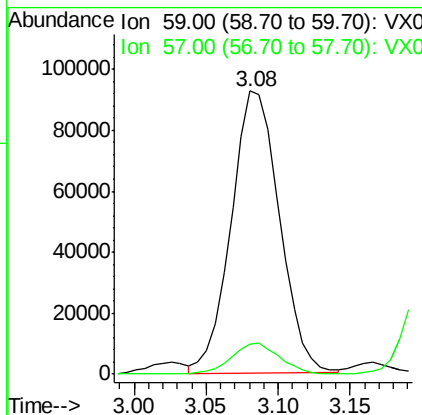
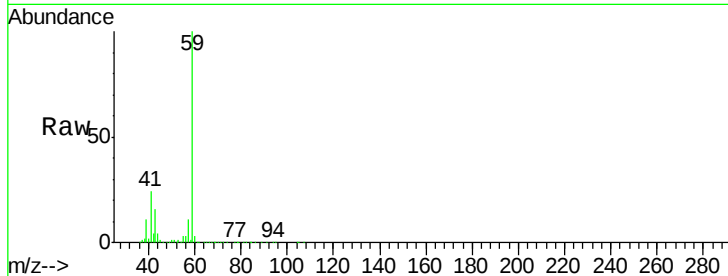
Tert butyl alcohol
Concen: 310.406 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

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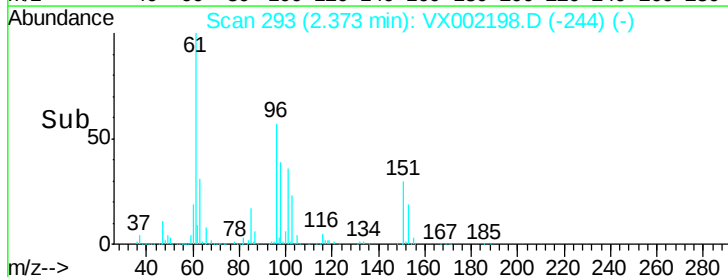
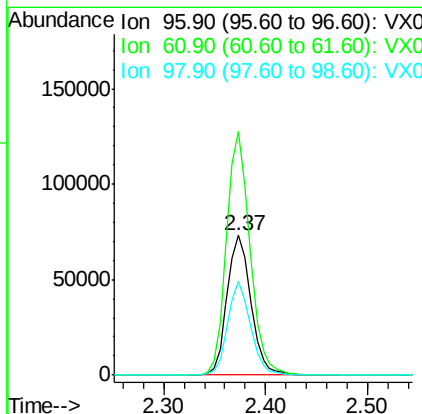
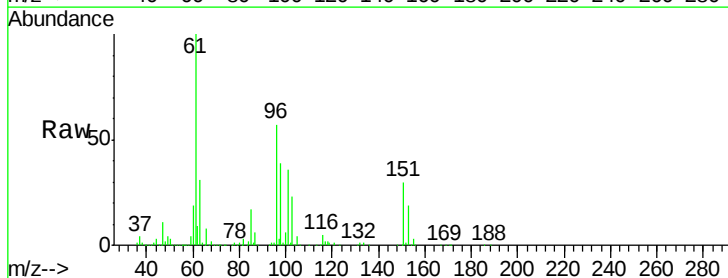
MMDadoda
6/1/2018 6:37:13 PM



#12

1,1-Dichloroethene
Concen: 51.446 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	131.7	197.5
98	67.2	51.6	77.4





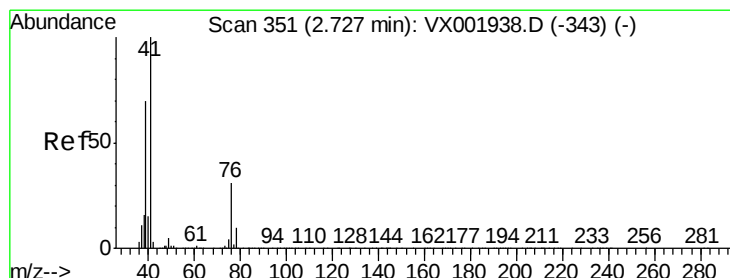
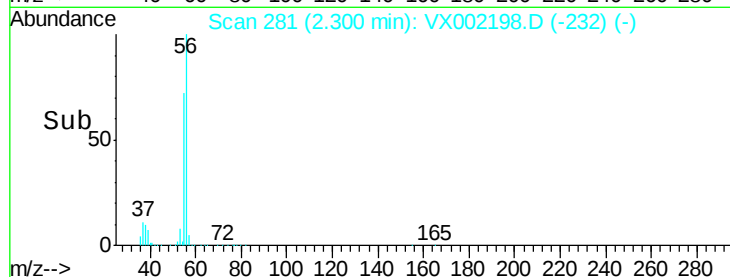
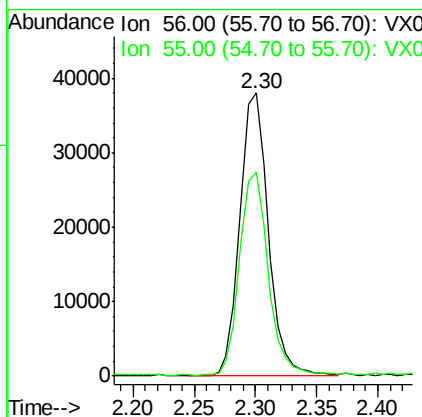
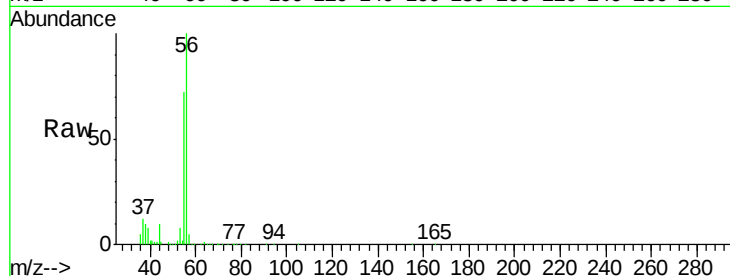
#13
Acrolein
Concen: 203.757 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	61085
Ion Ratio	100	Lower	Upper
55	72.6	56.8	85.2

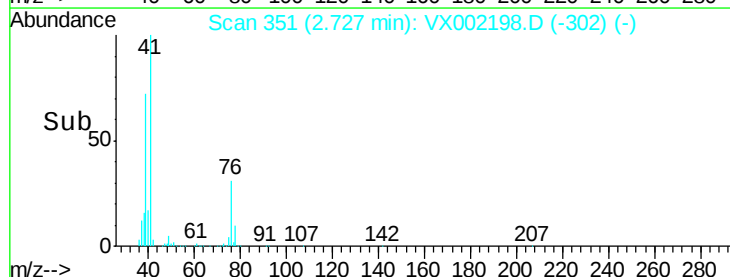
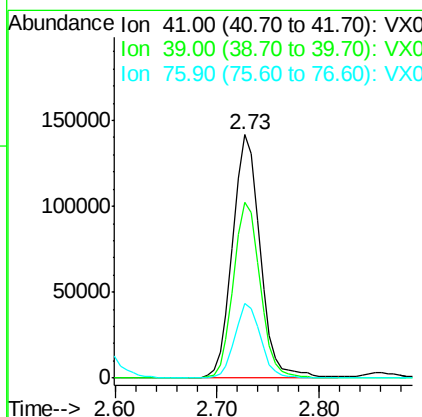
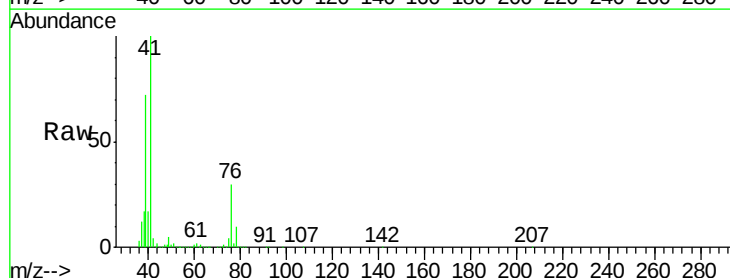
Manual Integrations
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#14
Allyl chloride
Concen: 54.751 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	41	Resp	264721
Ion Ratio	100	Lower	Upper
39	70.1	54.3	81.5
76	28.7	24.2	36.4





#15

Acrylonitrile

Concen: 302.491 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

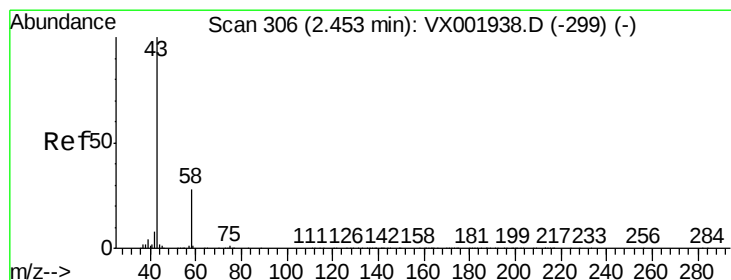
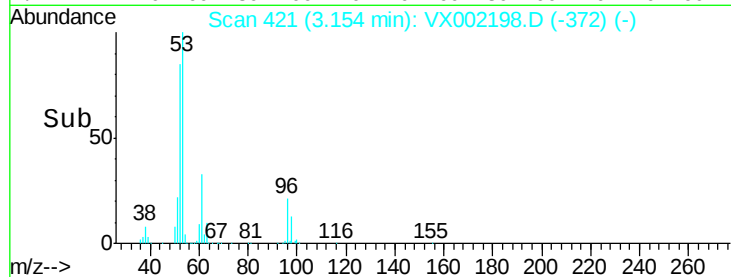
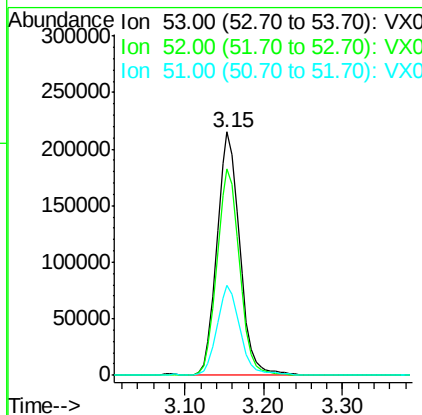
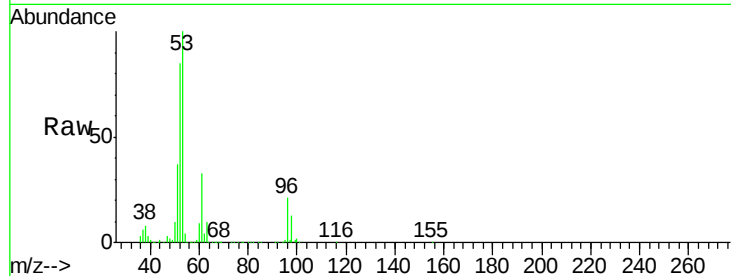
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	431306
Ion Ratio	Lower	Upper	
53	100		
52	84.8	66.4	99.6
51	37.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 302.463 ug/l

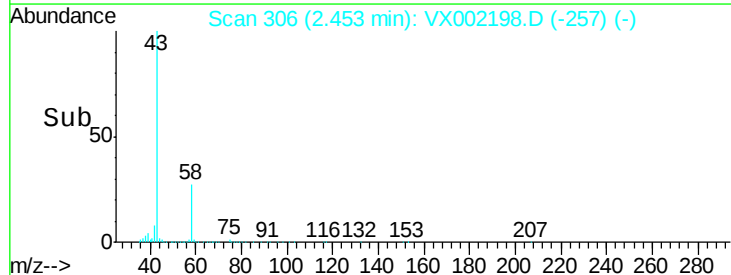
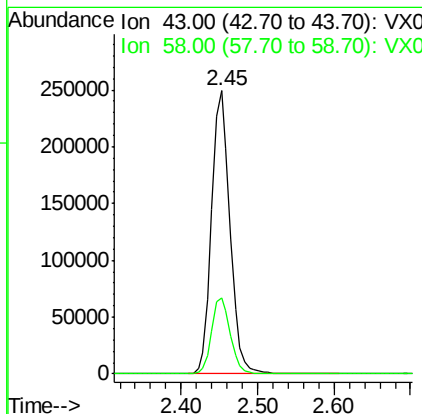
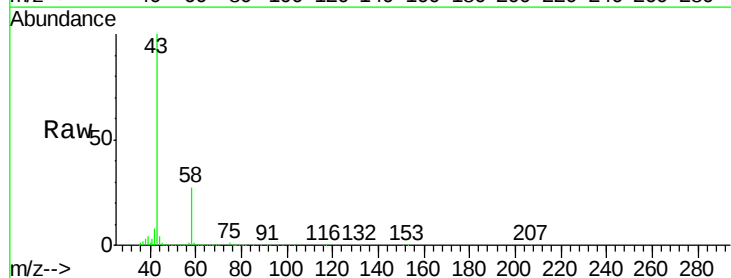
RT: 2.45 min Scan# 306

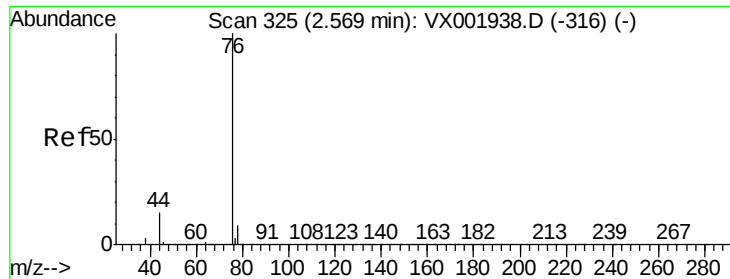
Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tgt Ion:	43	Resp:	412334
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.3	33.5





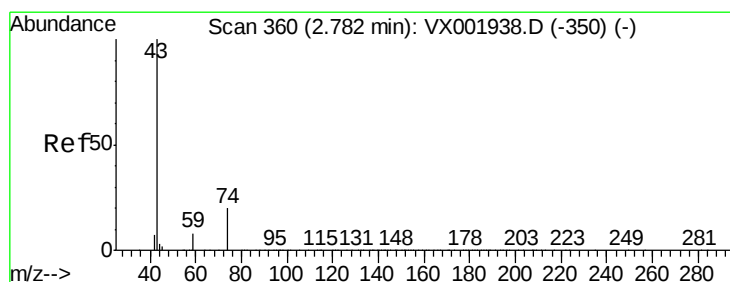
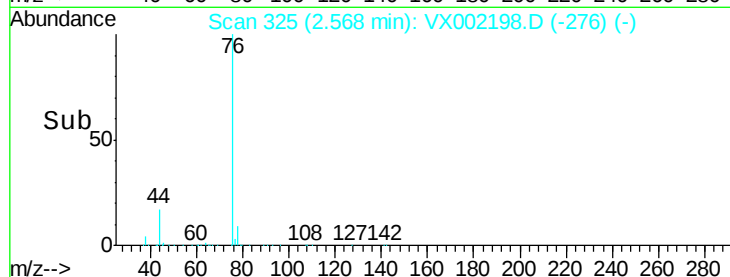
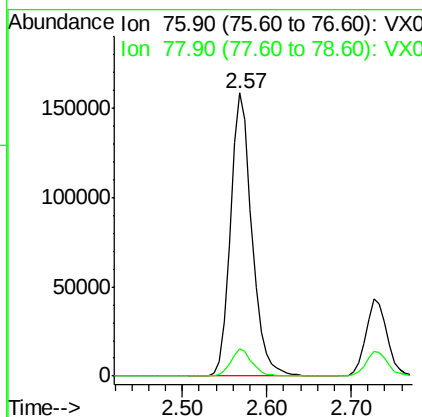
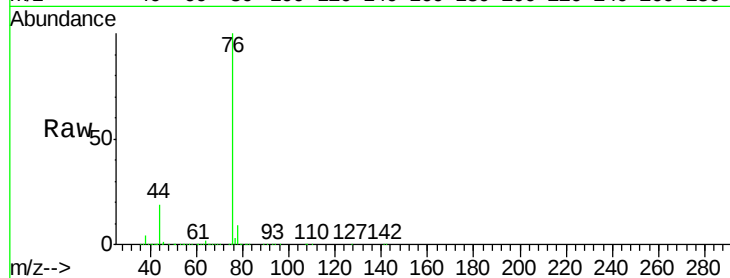
#17
Carbon Disulfide
Concen: 41.252 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

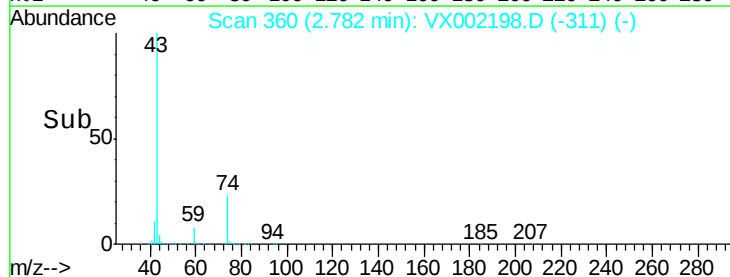
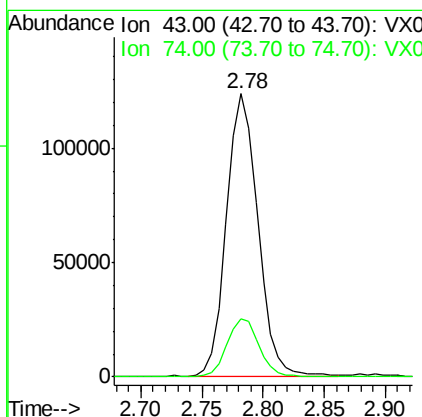
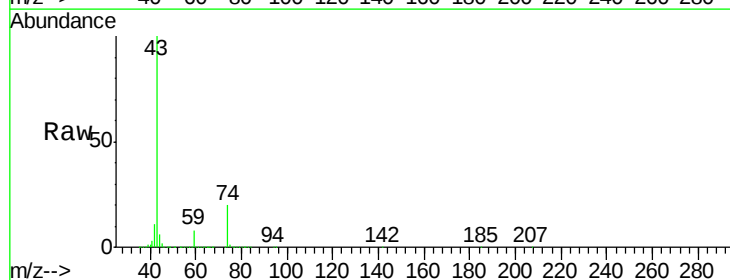
Manual Integrations
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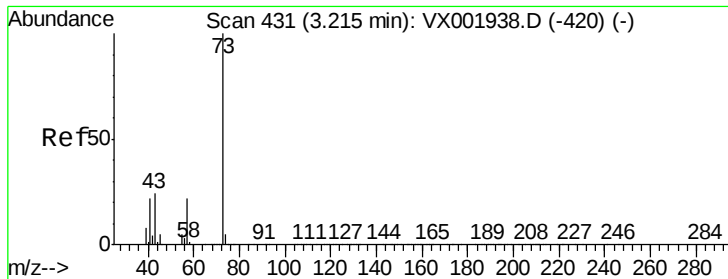
MMDadoda
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#18
Methyl Acetate
Concen: 67.196 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2





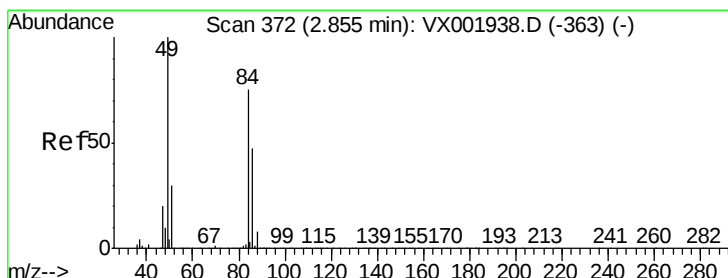
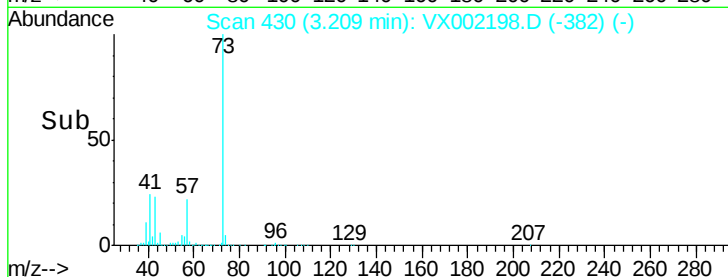
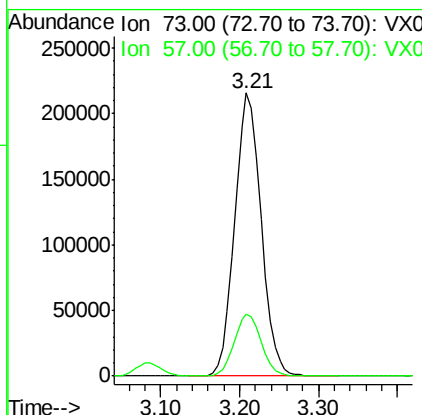
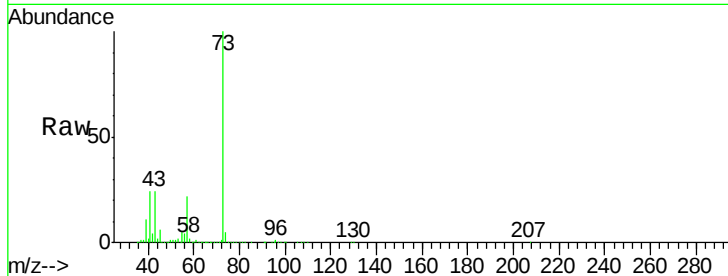
#19
Methvl tert-butvl Ether
Concen: 58.038 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 502796
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0

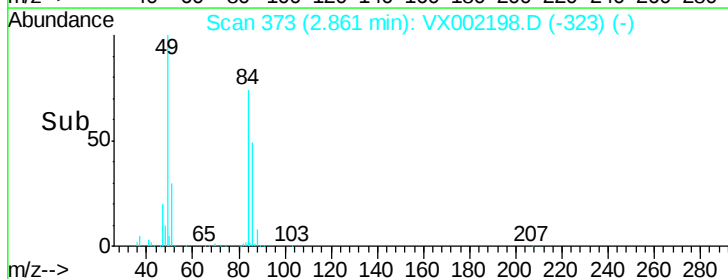
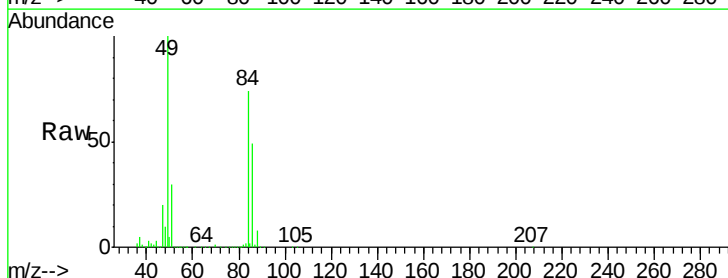
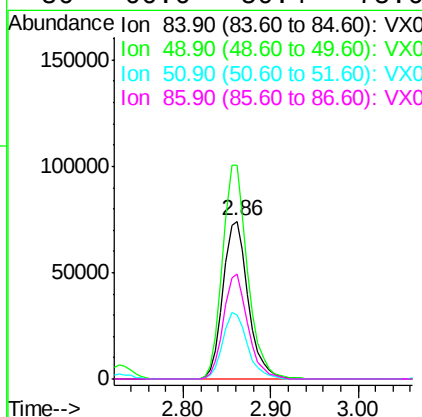
Manual Integrations
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#20
Methylene Chloride
Concen: 63.220 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion: 84 Resp: 148184
Ion Ratio Lower Upper
84 100
49 135.4 107.2 160.8
51 40.4 32.4 48.6
86 66.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 59.215 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

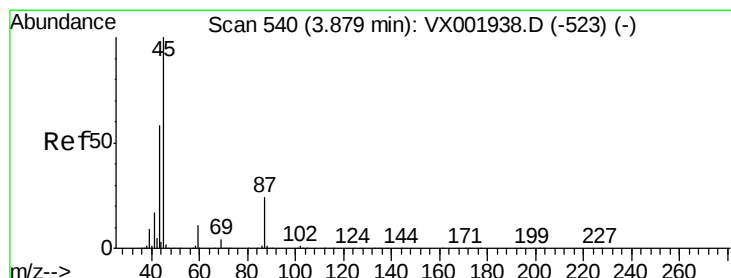
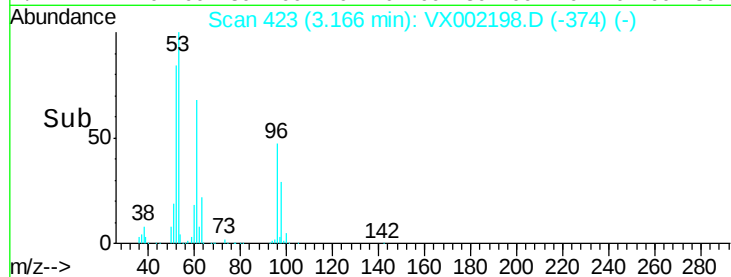
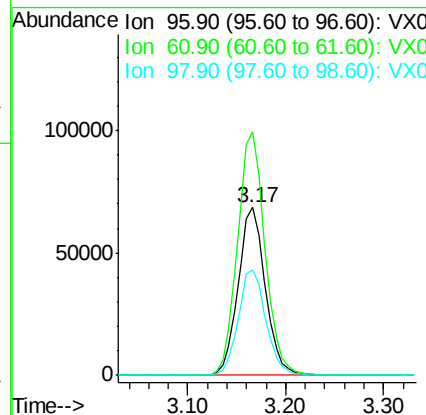
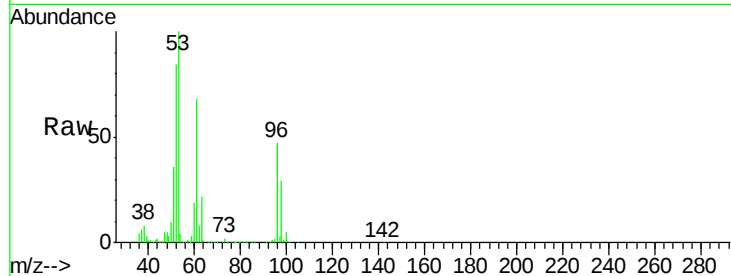
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	132135
Ion	Ratio	Lower	Upper
96	100		
61	145.1	113.3	169.9
98	62.6	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.156 ug/l

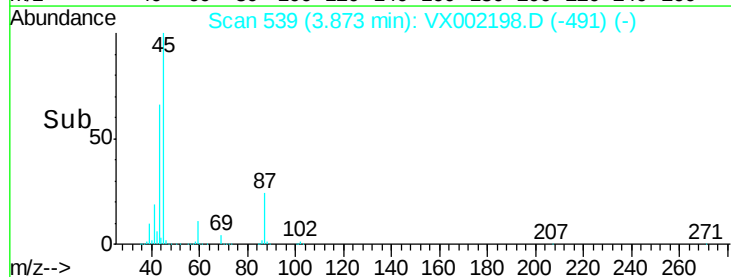
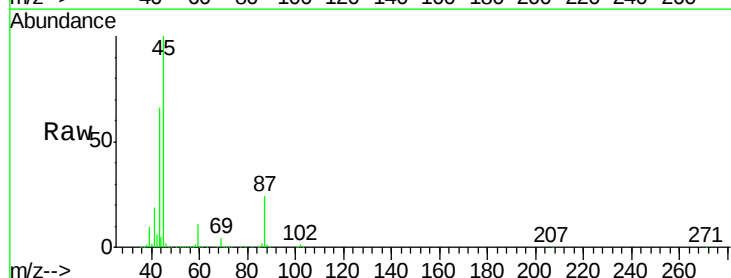
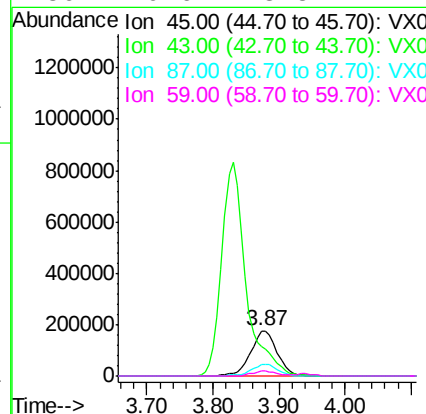
RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tgt Ion:	45	Resp:	493266
Ion	Ratio	Lower	Upper
45	100		
43	66.0	47.0	70.6
87	24.2	19.4	29.0
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 261.808 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2134793

Ion Ratio Lower Upper

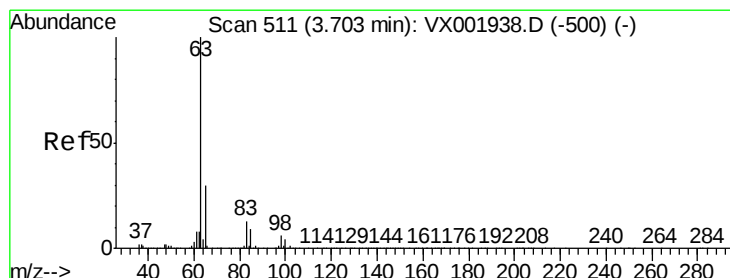
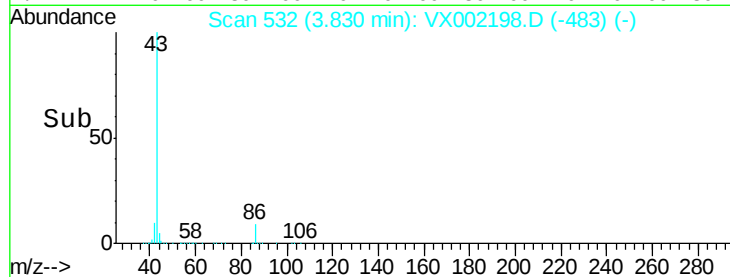
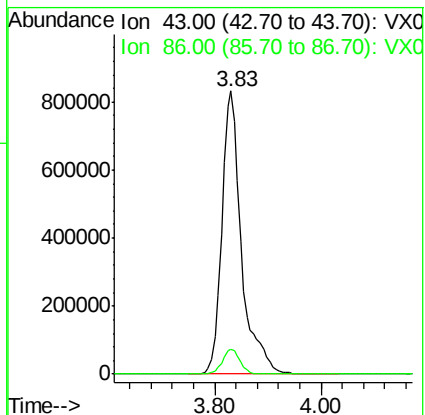
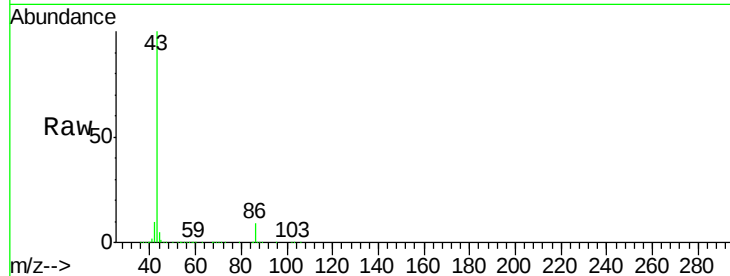
43 100

86 8.9 7.6 11.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.892 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

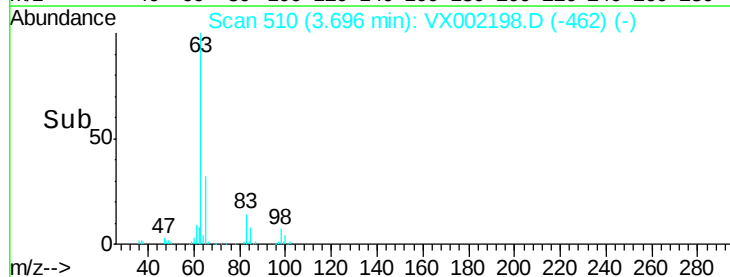
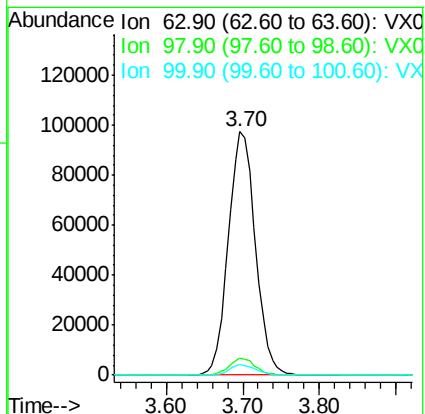
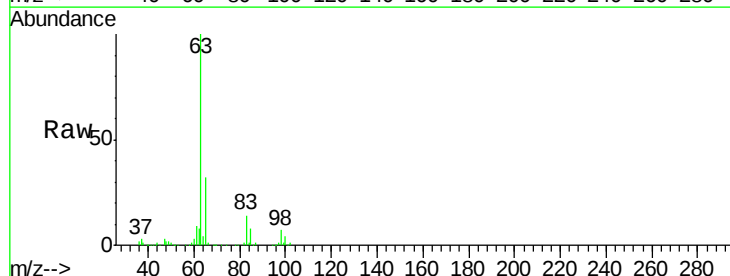
Tgt Ion: 63 Resp: 237751

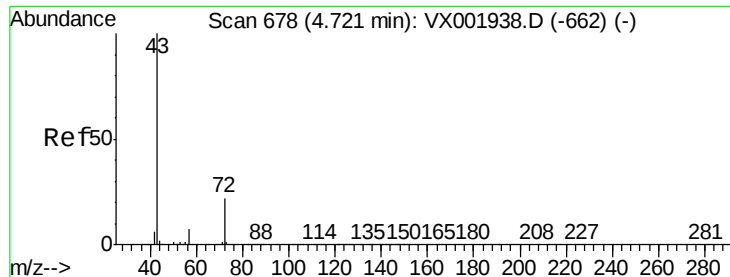
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 238.512 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tot Ion: 43 Resp: 595944

Ion Ratio Lower Upper

43 100

72 23.9 17.9 26.9

Instrument :

MSVOA_X

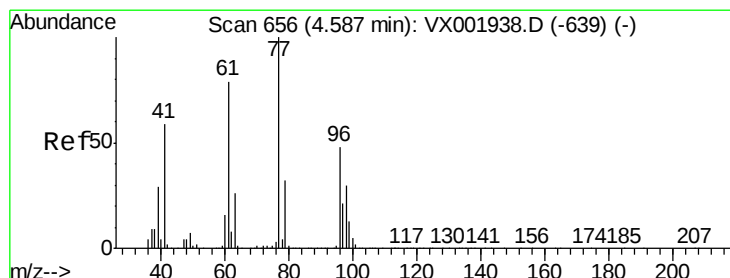
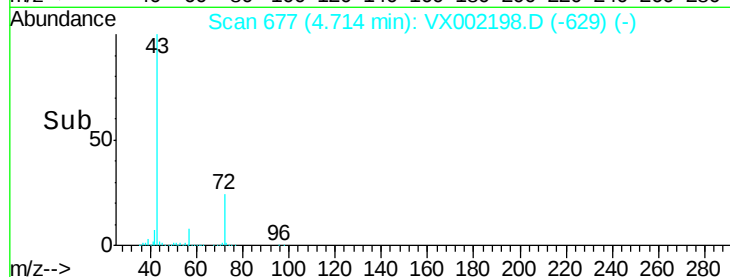
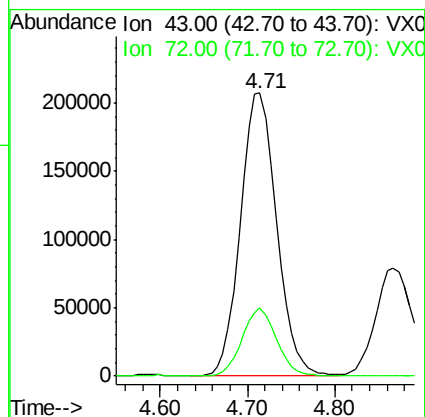
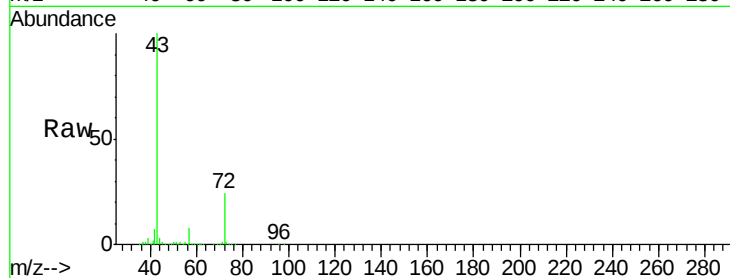
ClientSampleId :

VSTDCCC050

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 33.274 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002198.D

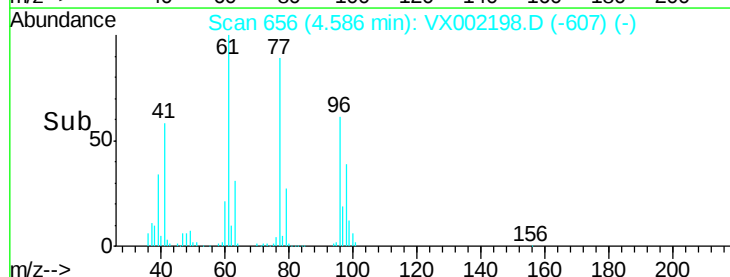
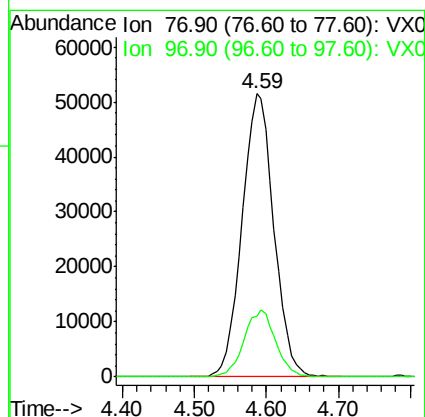
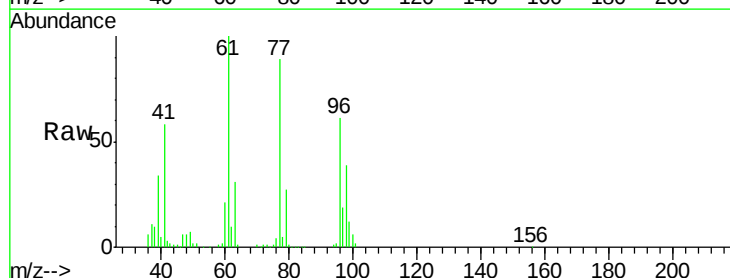
Acq: 01 Jun 2018 01:42

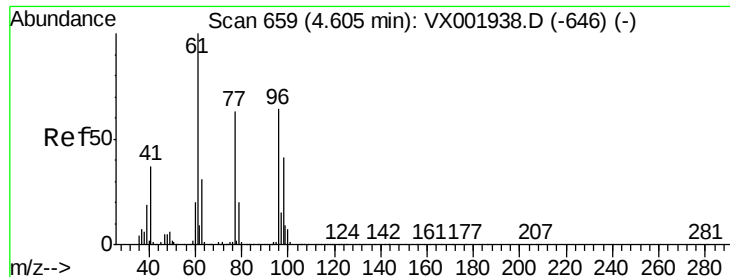
Tgt Ion: 77 Resp: 157336

Ion Ratio Lower Upper

77 100

97 23.5 11.2 33.5





#27

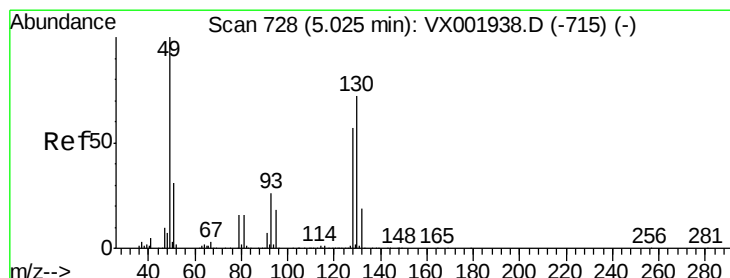
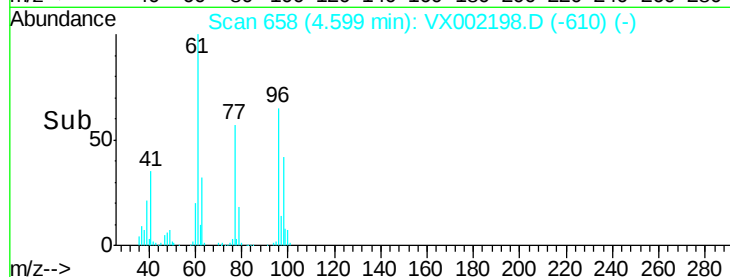
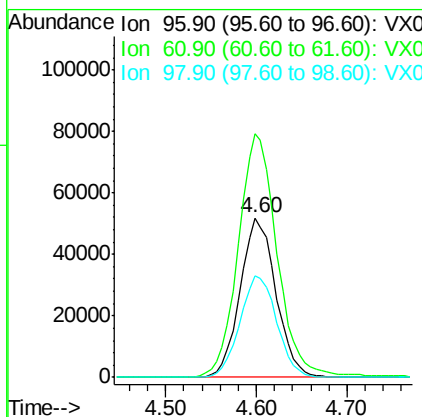
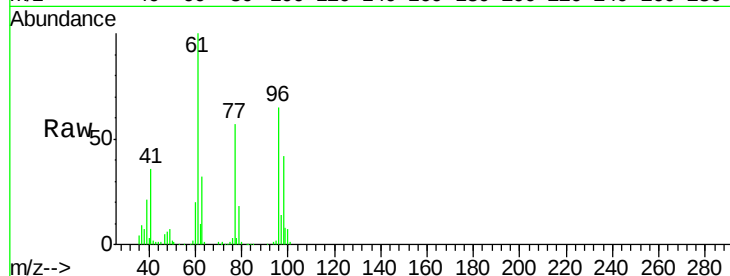
cis-1,2-Dichloroethene
Concen: 47.103 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	348.4
98	65.6	0.0	128.6

Manual Integrations
APPROVED

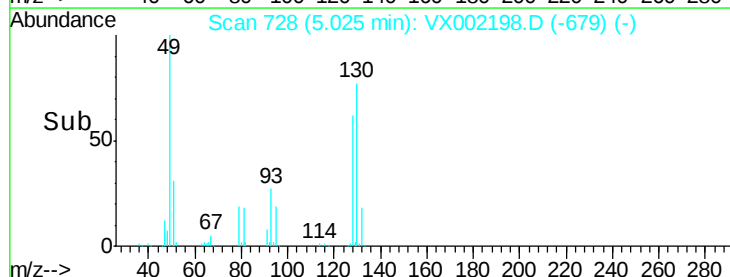
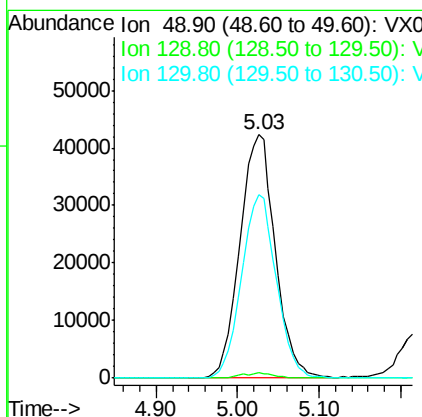
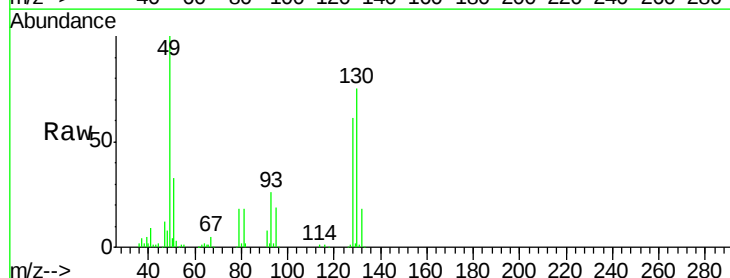
MMDadoda
6/1/2018 6:37:13 PM



#28

Bromochloromethane
Concen: 65.456 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	74.3	59.4	89.2





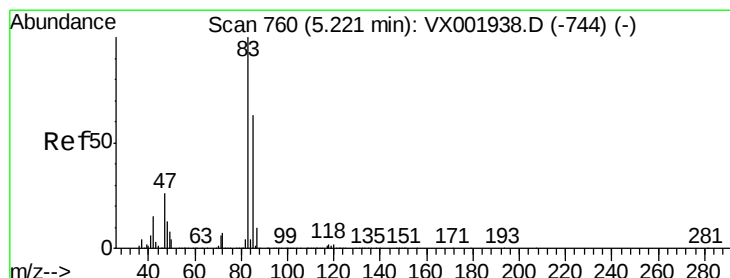
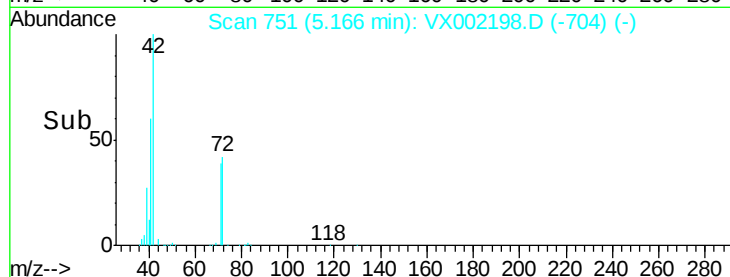
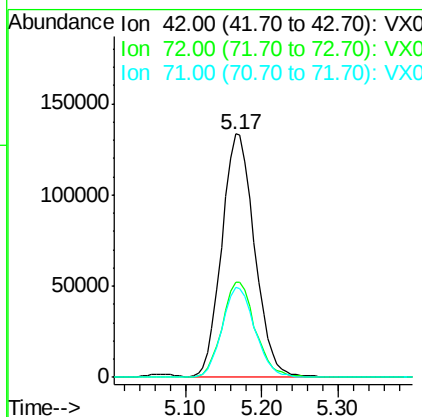
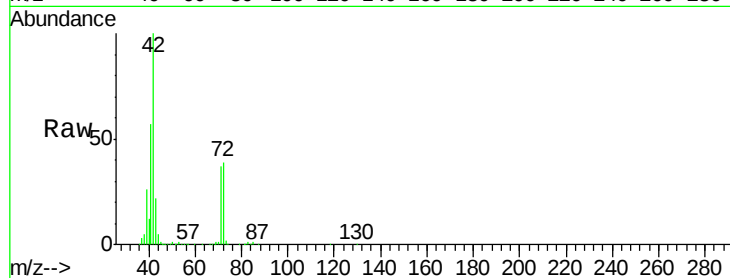
#29
Tetrahydrofuran
Concen: 243.011 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	39.5	31.4	47.0
71	37.1	29.5	44.3

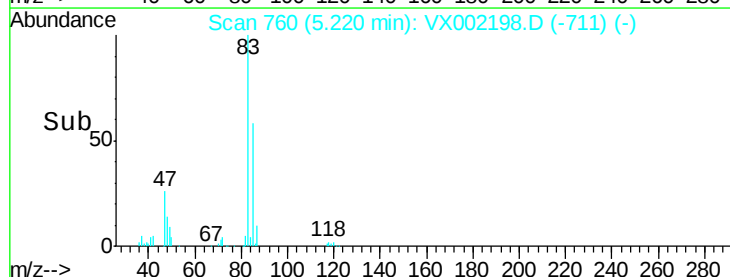
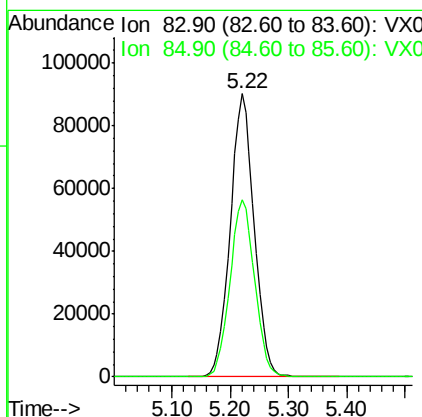
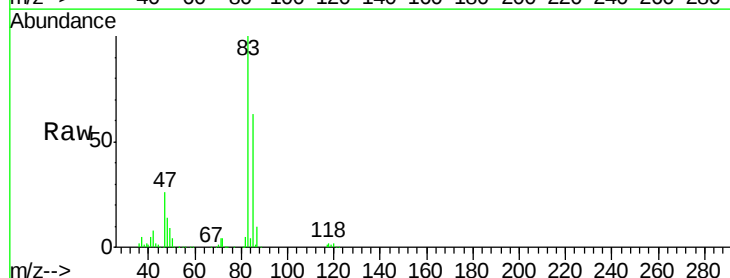
Manual Integrations
APPROVED

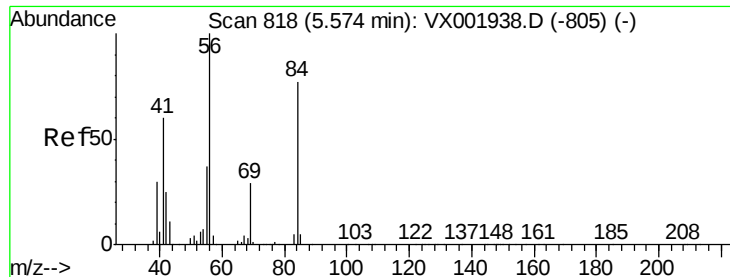
MMDadoda
6/1/2018 6:37:13 PM



#30
Chloroform
Concen: 48.820 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	62.7	50.9	76.3





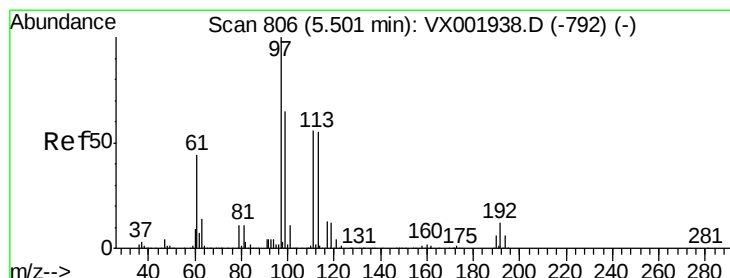
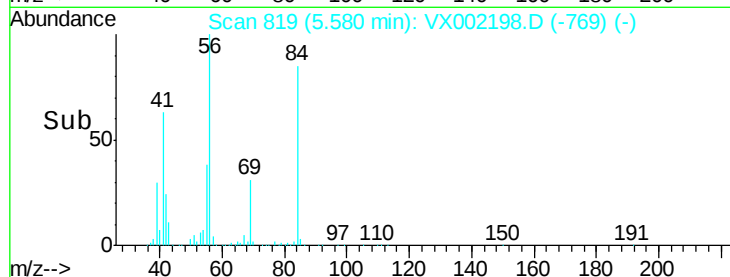
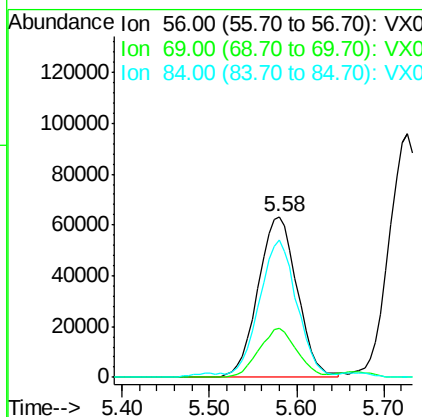
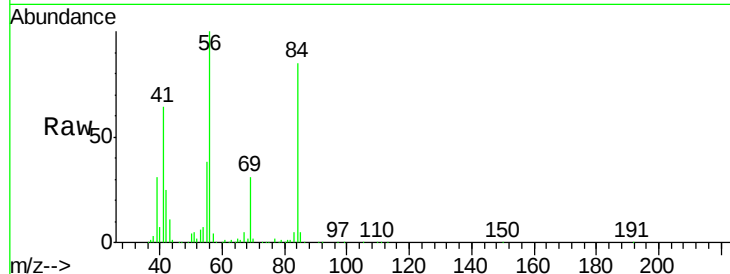
#31
Cyclohexane
Concen: 40.451 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.1	34.7
84	83.9	62.0	93.0

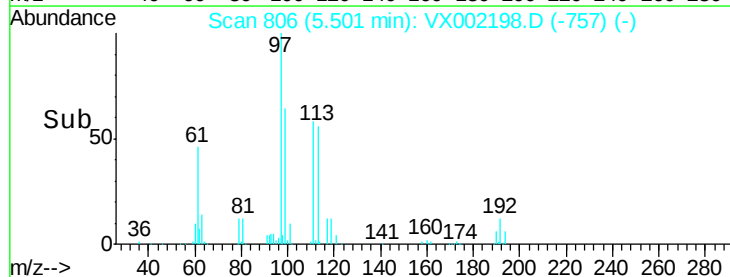
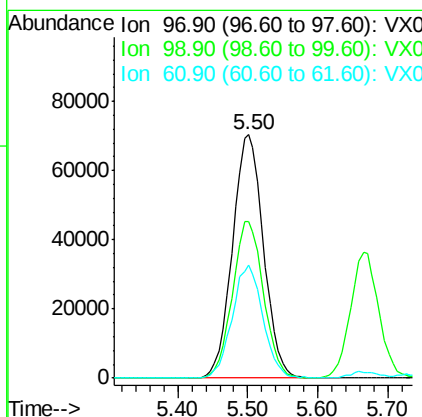
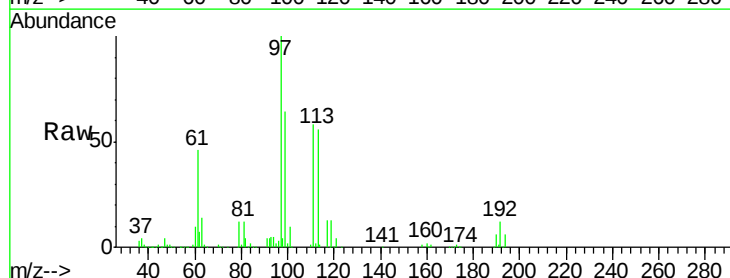
Manual Integrations
APPROVED

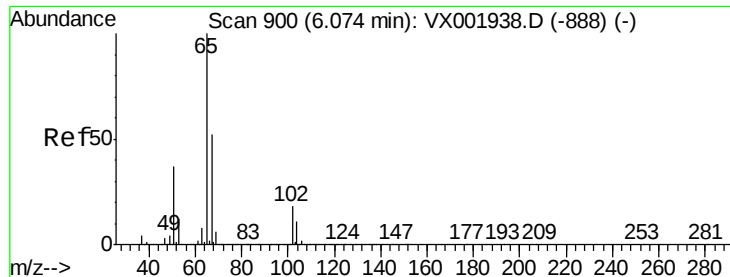
MMDadoda
6/1/2018 6:37:13 PM



#32
1,1,1-Trichloroethane
Concen: 44.013 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	45.9	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 44.091 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 155747

Ion Ratio Lower Upper

65 100

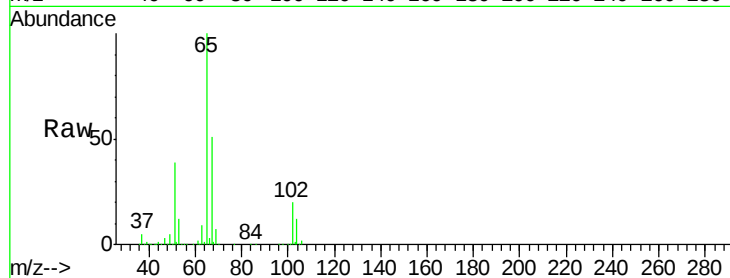
67 52.0 0.0 104.0

Manual Integrations

APPROVED

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6/1/2018 6:37:13 PM



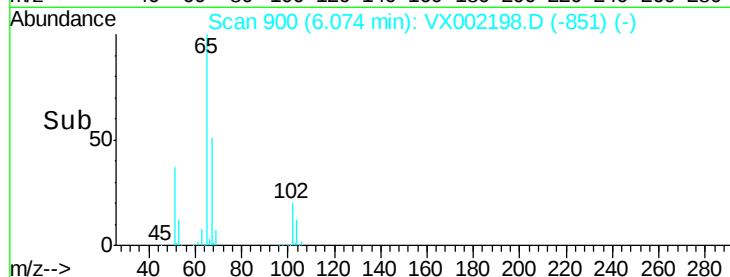
Abundance Ion 64.90 (64.60 to 65.60): VX001938.D (-888) (-)

Ion 66.90 (66.60 to 67.60): VX001938.D (-888) (-)

6.07

6.10

6.20



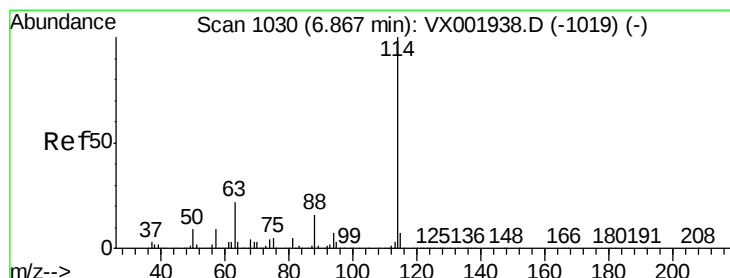
Abundance Ion 64.90 (64.60 to 65.60): VX001938.D (-888) (-)

Ion 66.90 (66.60 to 67.60): VX001938.D (-888) (-)

6.07

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

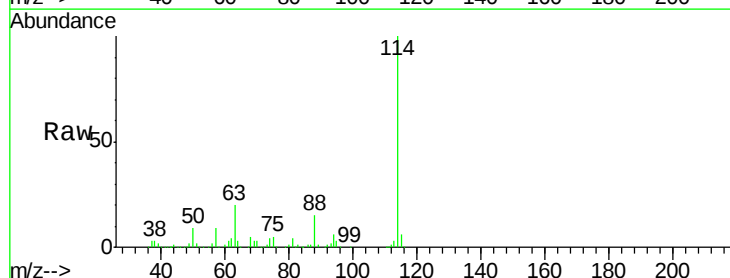
Tgt Ion: 114 Resp: 290371

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VX001938.D (-1019) (-)

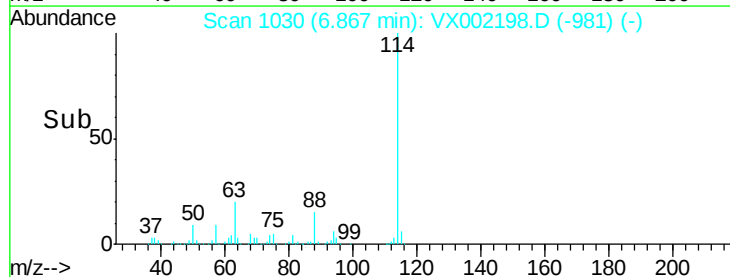
Ion 63.00 (62.70 to 63.70): VX001938.D (-1019) (-)

Ion 87.90 (87.60 to 88.60): VX001938.D (-1019) (-)

6.87

6.90

7.00



Abundance Ion 113.90 (113.60 to 114.60): VX001938.D (-1019) (-)

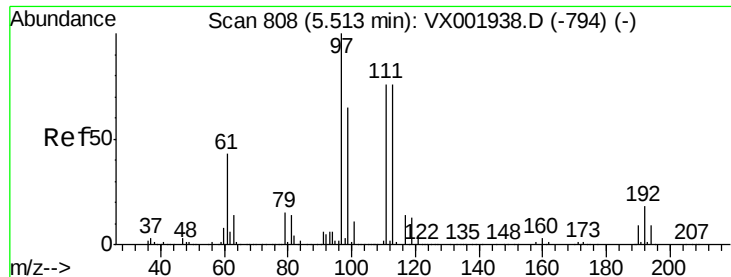
Ion 63.00 (62.70 to 63.70): VX001938.D (-1019) (-)

Ion 87.90 (87.60 to 88.60): VX001938.D (-1019) (-)

6.87

6.90

7.00



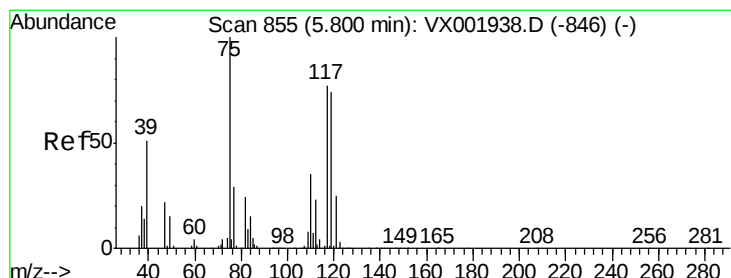
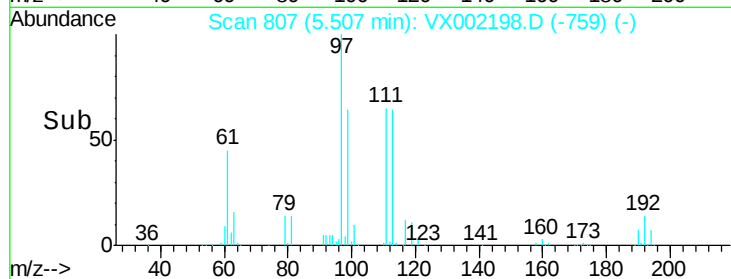
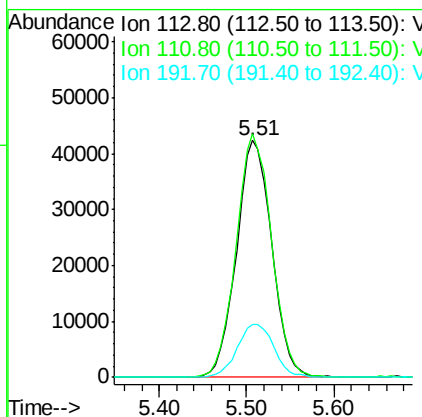
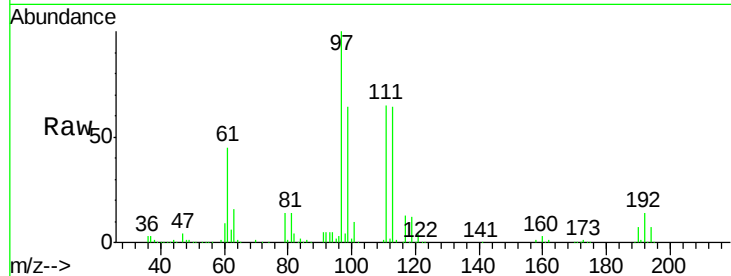
#35
 Dibromofluoromethane
 Concen: 40.962 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118943		
111	103.3	82.0	123.0	
192	23.3	18.9	28.3	

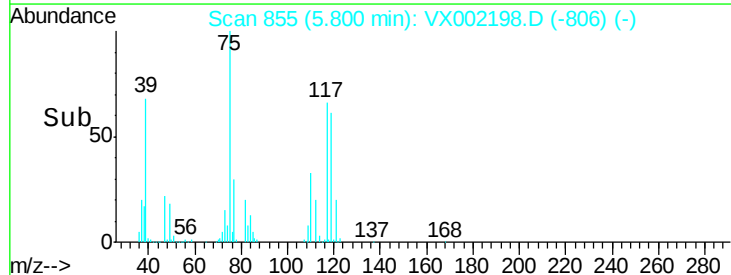
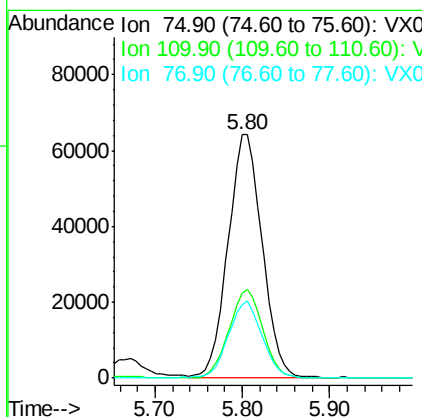
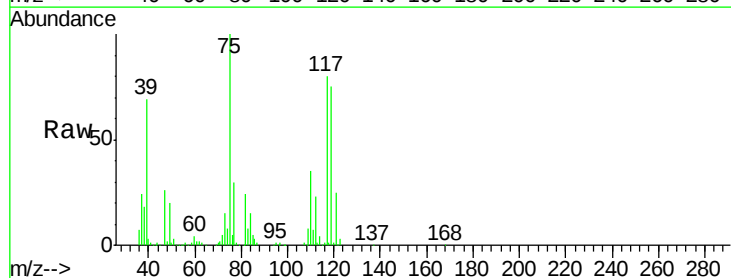
Manual Integrations
 APPROVED

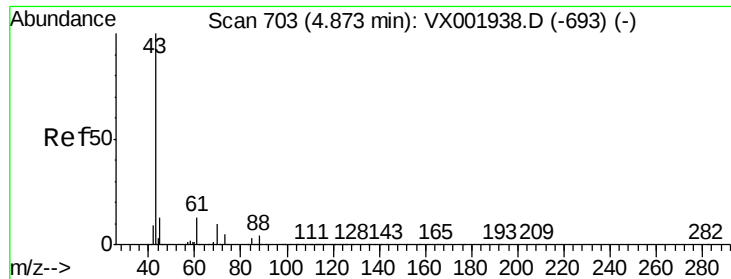
MMDadoda
 6/1/2018 6:37:13 PM



#36
 1,1-Dichloropropene
 Concen: 42.906 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173297		
110	36.3	17.4	52.2	
77	30.7	24.4	36.6	





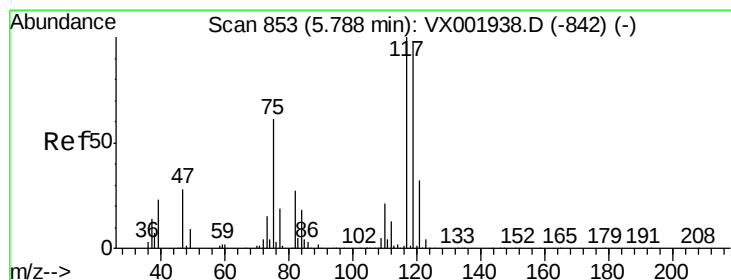
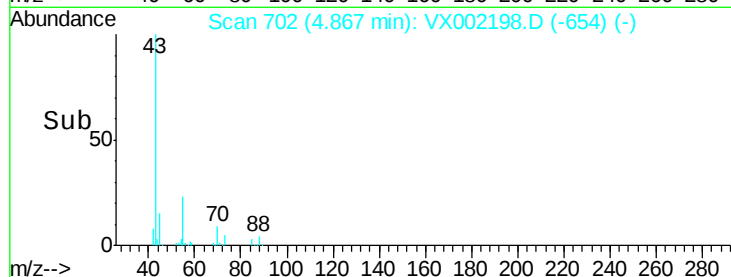
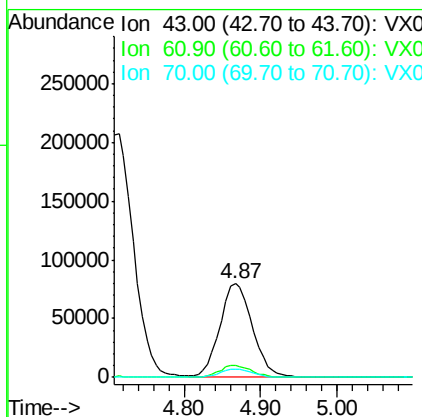
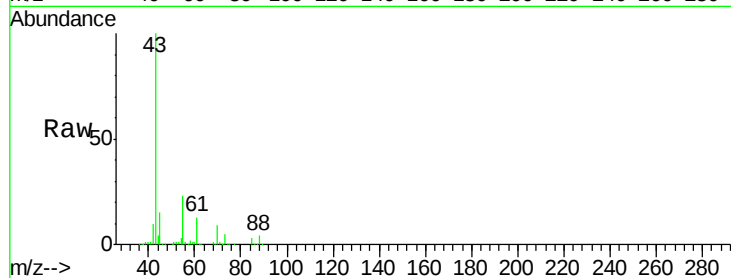
#37
Ethyl Acetate
Concen: 44.663 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	9.1	7.8	11.8

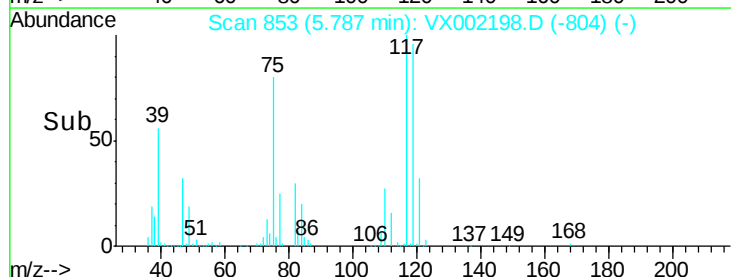
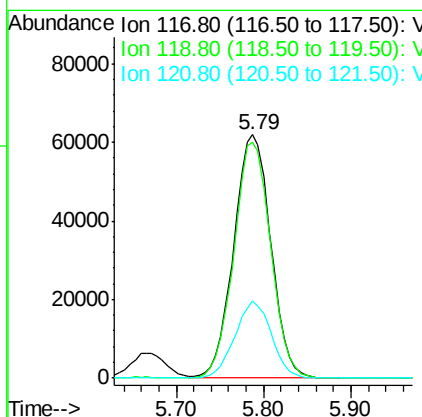
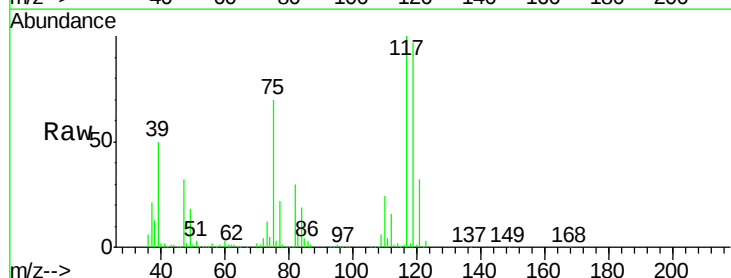
Manual Integrations
APPROVED

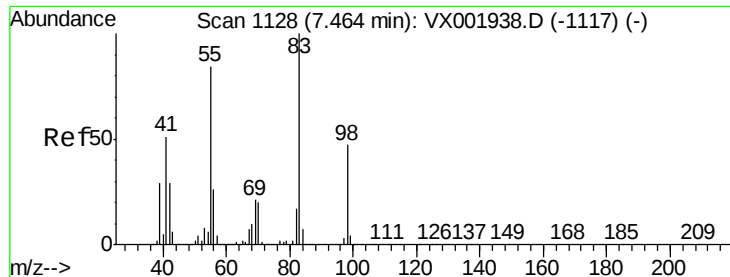
MMDadoda
6/1/2018 6:37:13 PM



#38
Carbon Tetrachloride
Concen: 38.701 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.5	117.7
121	31.7	25.5	38.3





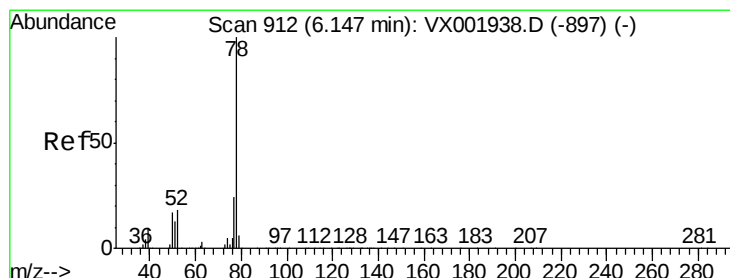
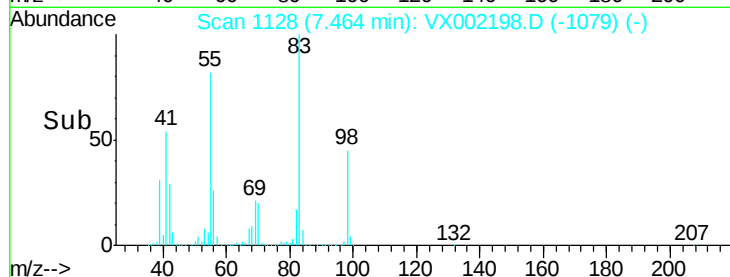
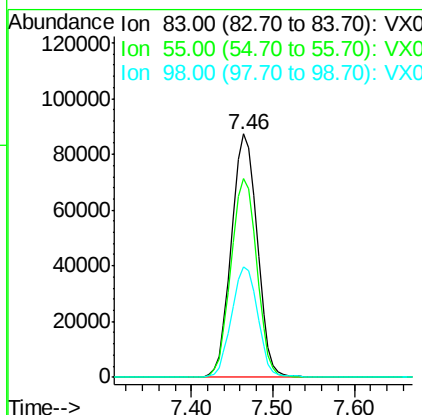
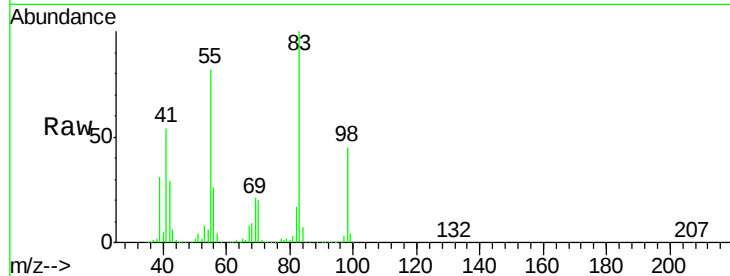
#39
Methvlcvclohexane
Concen: 38.572 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	67.3	100.9
98	45.4	37.5	56.3

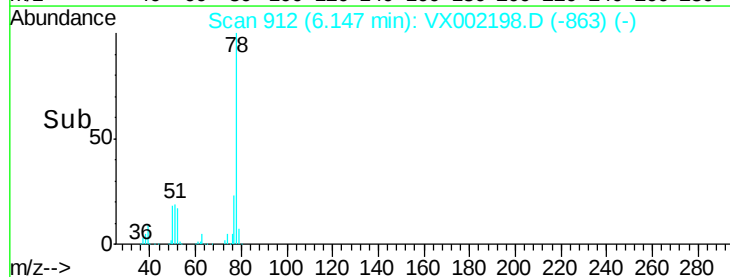
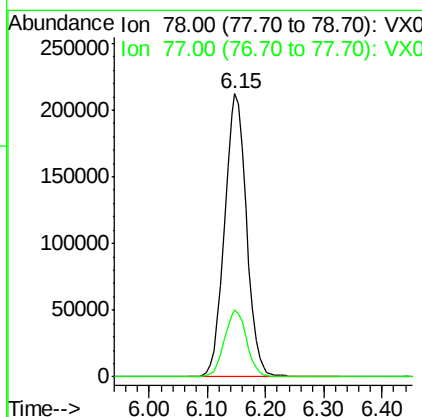
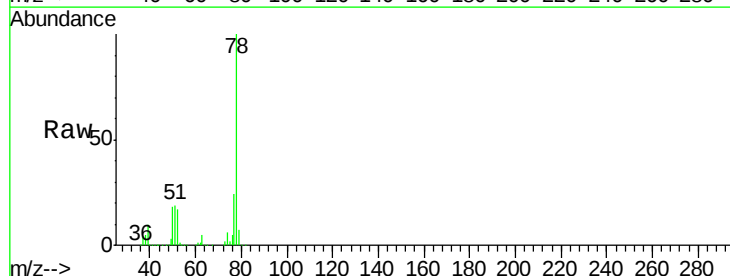
Manual Integrations
APPROVED

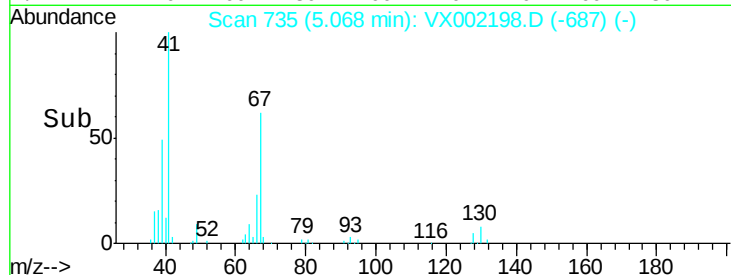
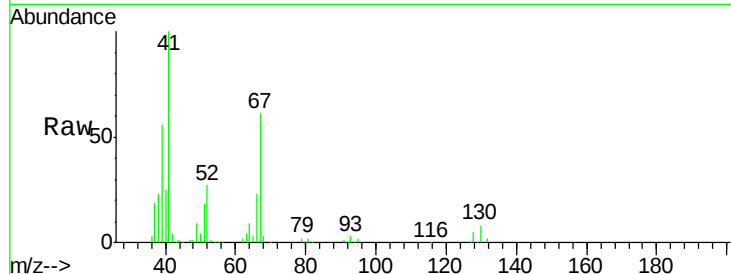
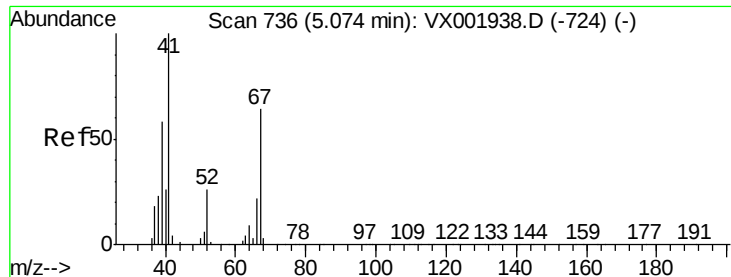
MMDadoda
6/1/2018 6:37:13 PM



#40
Benzene
Concen: 47.034 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

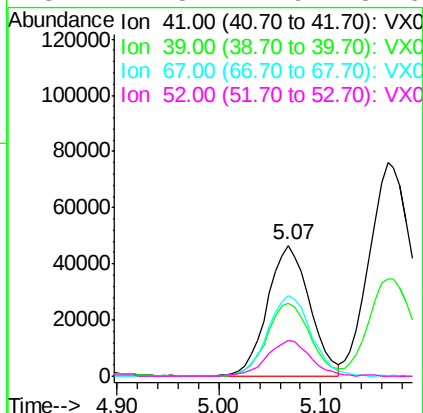
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41
Methacrylonitrile
Concen: 48.202 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

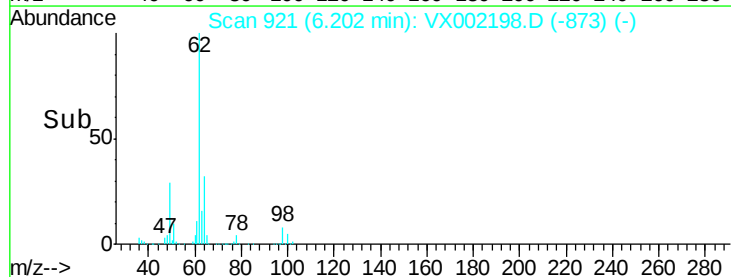
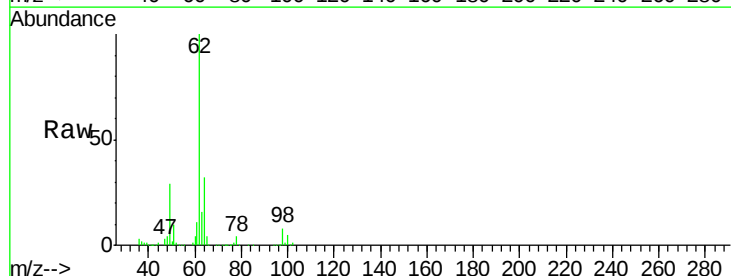
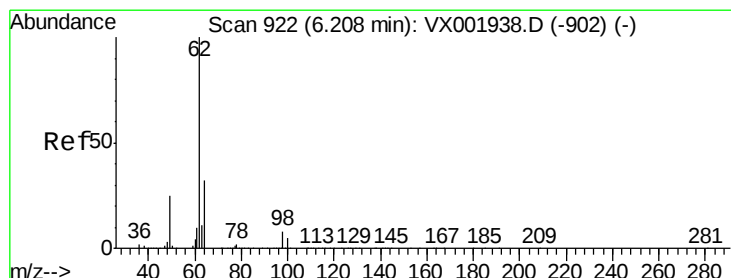
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.5	46.0	69.0		
67	63.2	50.6	75.8		
52	27.8	21.9	32.9		



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

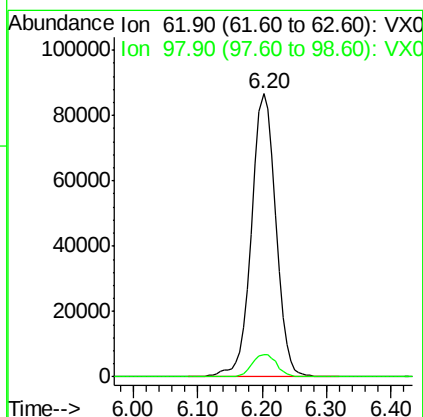
Manual Integrations
APPROVED

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6/1/2018 6:37:13 PM



#42
1,2-Dichloroethane
Concen: 47.288 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.2	0.0	17.0		





#43

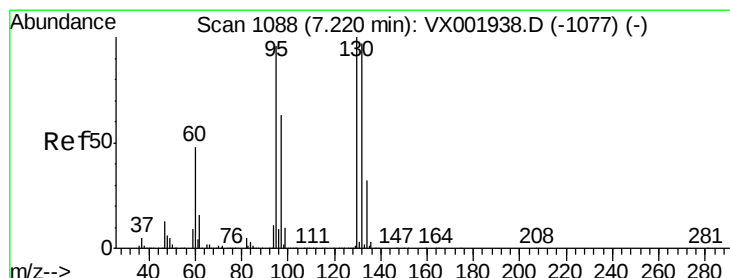
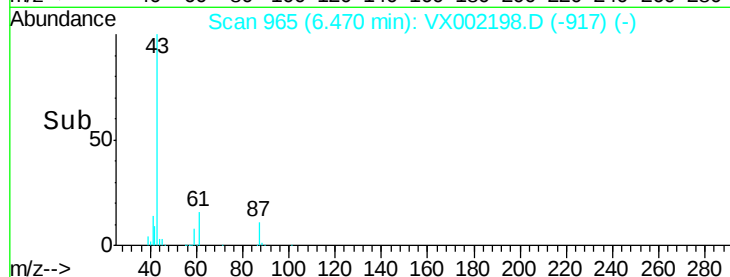
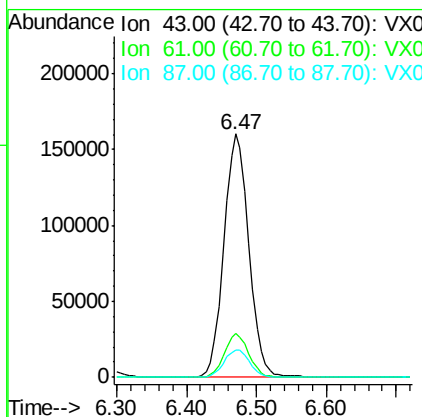
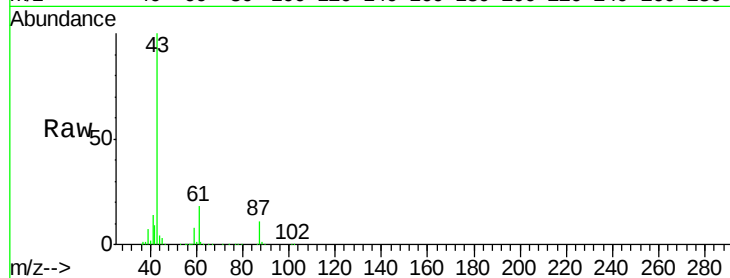
Isopropyl Acetate
 Concen: 44.874 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	393711
Ion Ratio	100	Lower	Upper
43	100		
61	17.7	14.5	21.7
87	11.6	9.5	14.3

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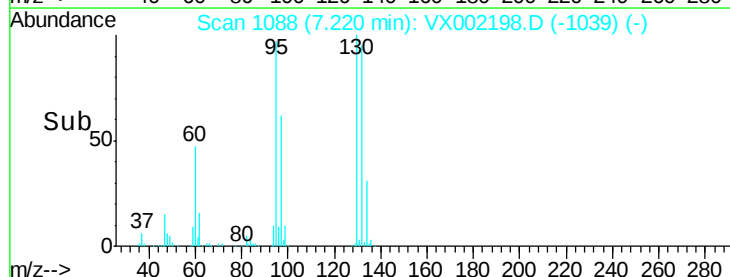
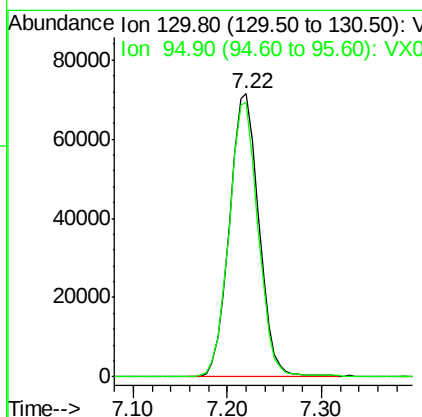
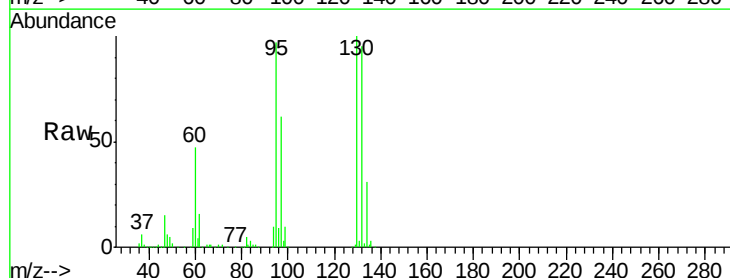
MMDadoda
 6/1/2018 6:37:13 PM

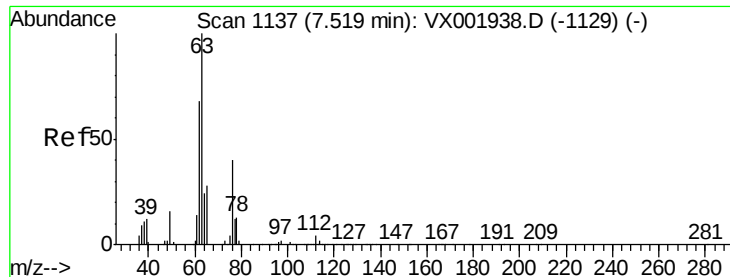


#44

Trichloroethene
 Concen: 45.059 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Tgt Ion	130	Resp	155370
Ion Ratio	100	Lower	Upper
130	100		
95	96.9	0.0	192.0





#45

1,2-Dichloropropane

Concen: 47.575 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 152882

Ion Ratio Lower Upper

63 100

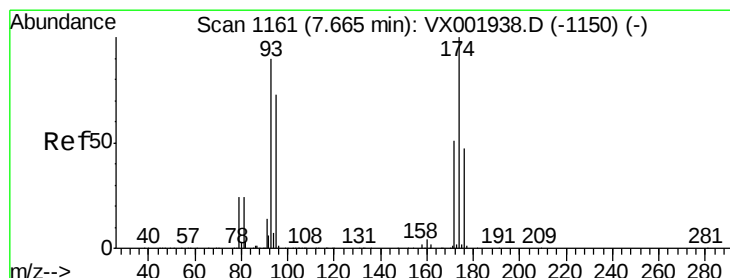
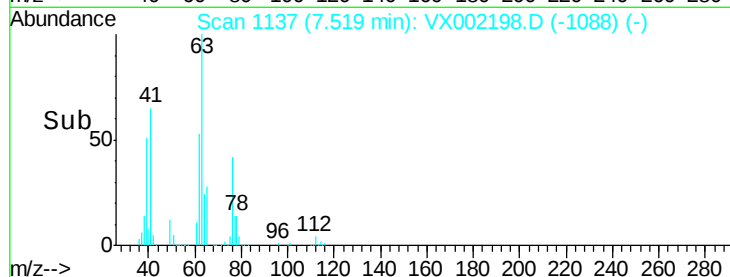
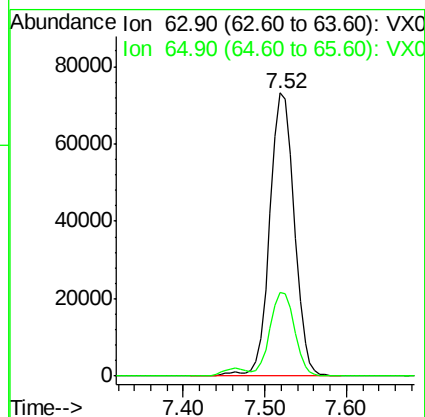
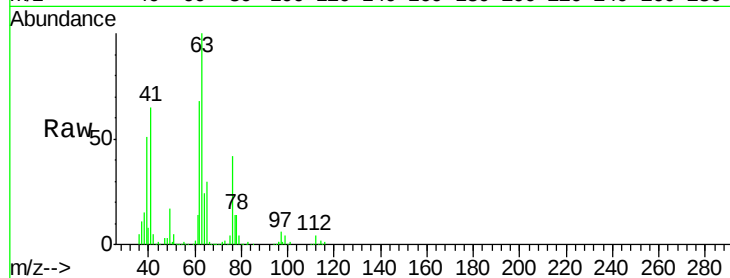
65 29.5 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 47.169 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

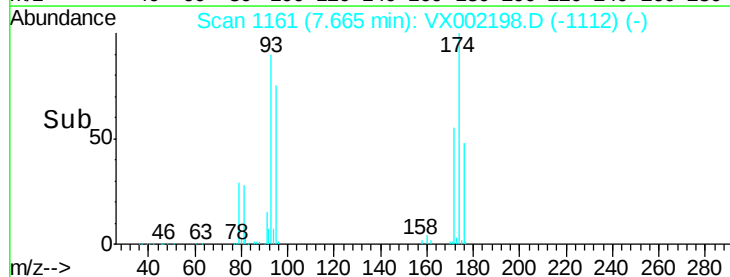
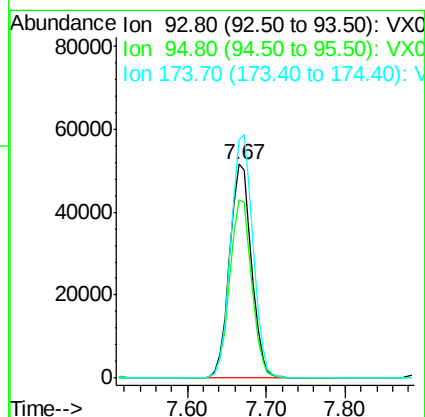
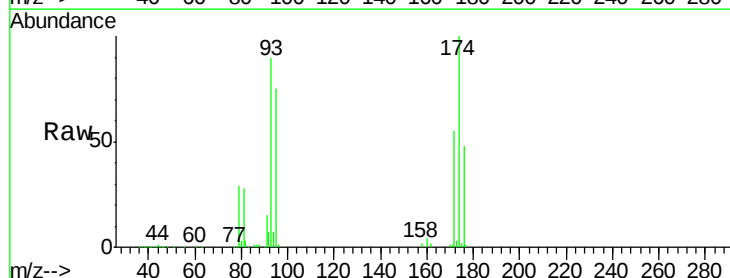
Tgt Ion: 93 Resp: 100355

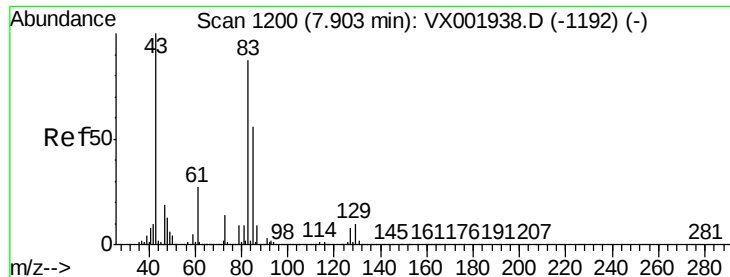
Ion Ratio Lower Upper

93 100

95 83.2 66.1 99.1

174 114.6 92.5 138.7





#47

Bromodichloromethane

Concen: 41.726 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

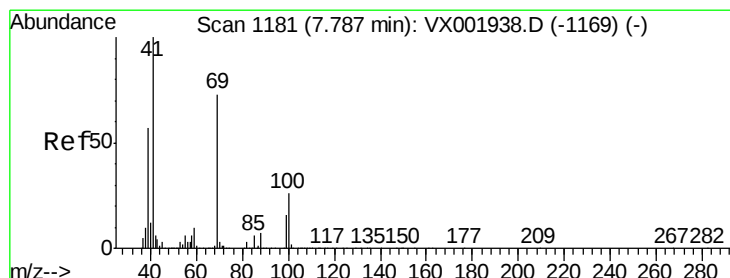
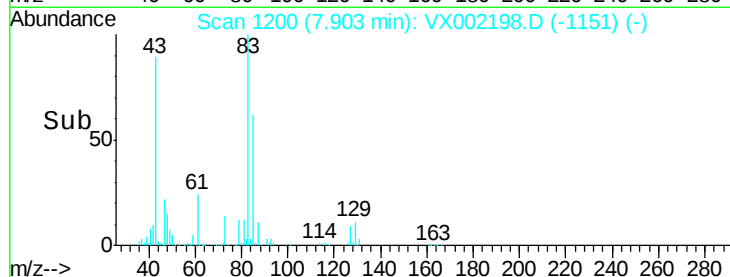
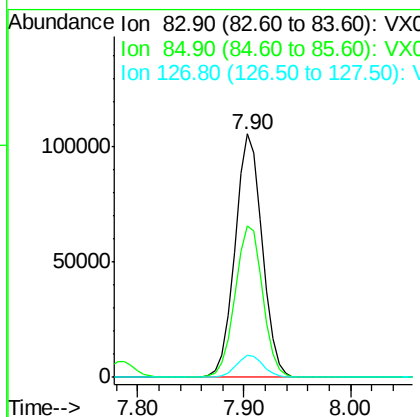
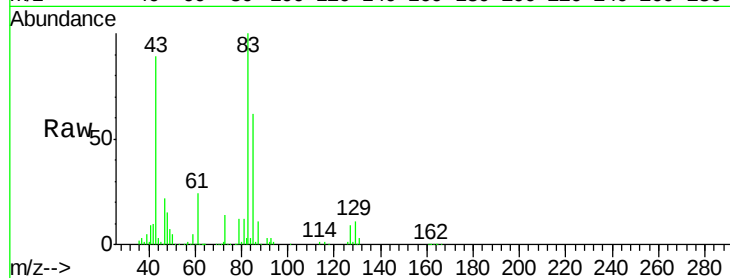
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	189288
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.037 ug/l

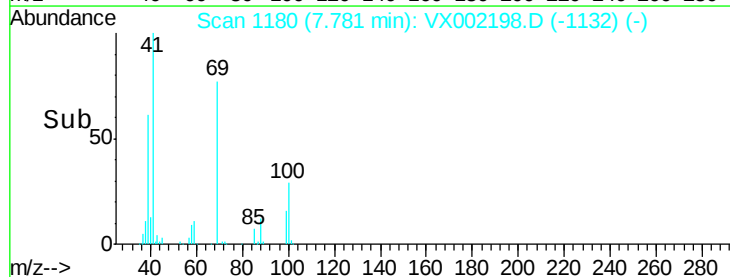
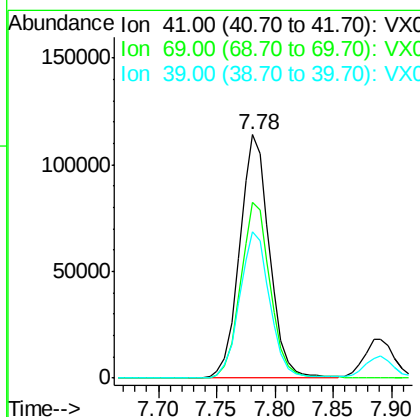
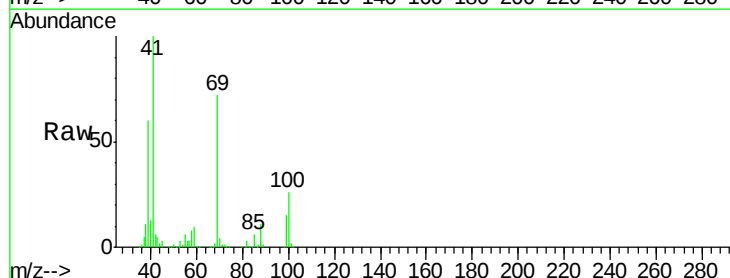
RT: 7.78 min Scan# 1180

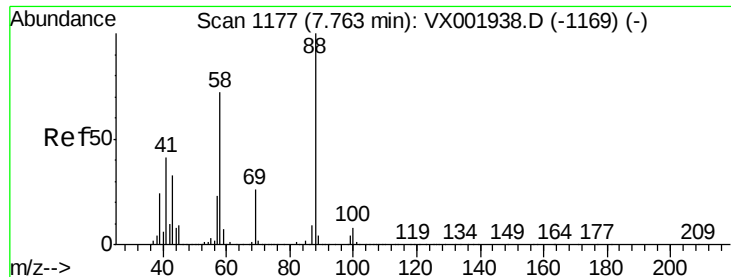
Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tgt Ion:	41	Resp:	201108
Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.6	87.8
39	61.1	46.3	69.5





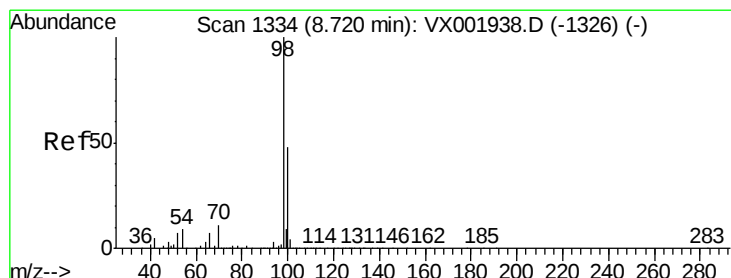
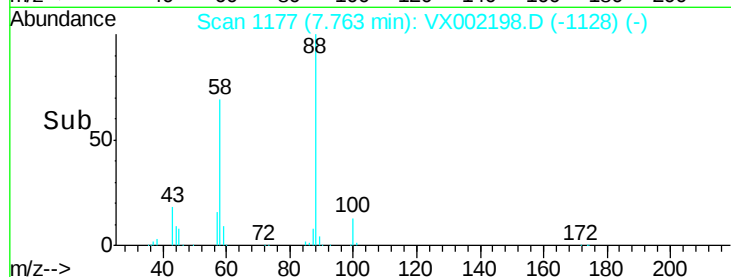
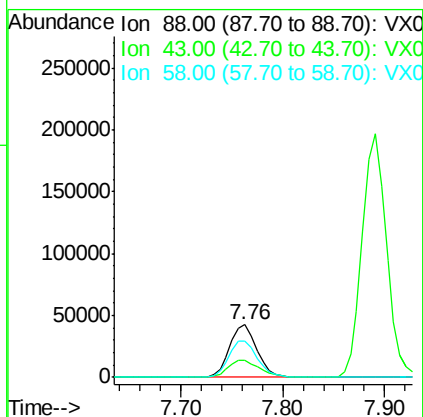
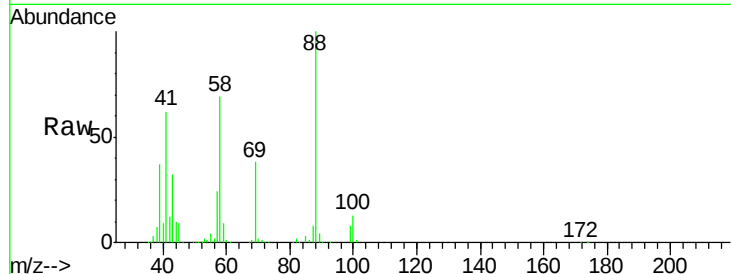
#49
1,4-Dioxane
Concen: 1007.854 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.8	44.8
58	72.6	58.7	88.1

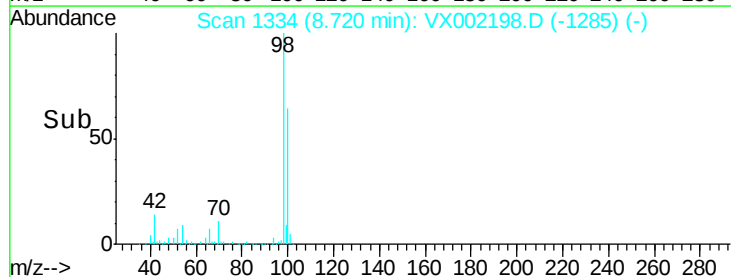
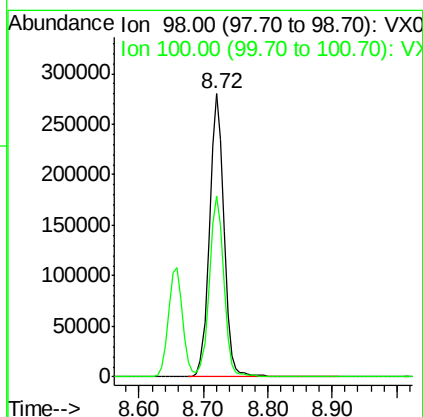
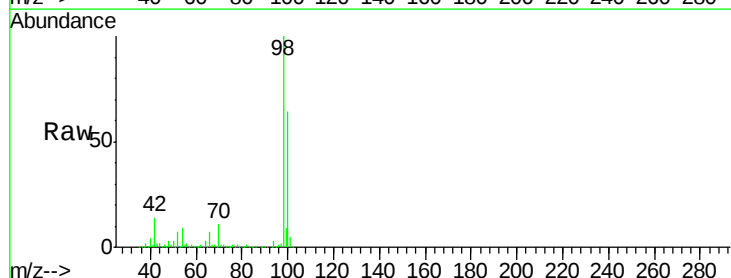
Manual Integrations
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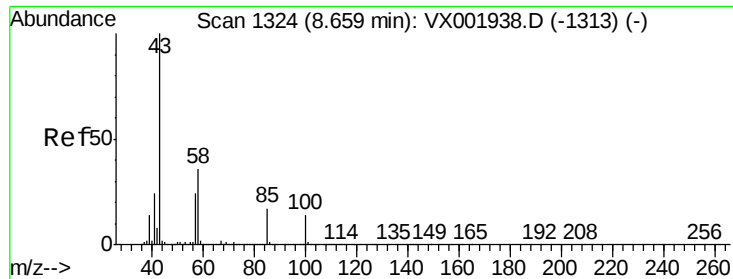
MMDadoda
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#50
Toluene-d8
Concen: 41.911 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 243.968 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tot Ion: 43 Resp: 1290320

Ion Ratio Lower Upper

43 100

58 35.4 28.5 42.7

Instrument :

MSVOA_X

ClientSampleId :

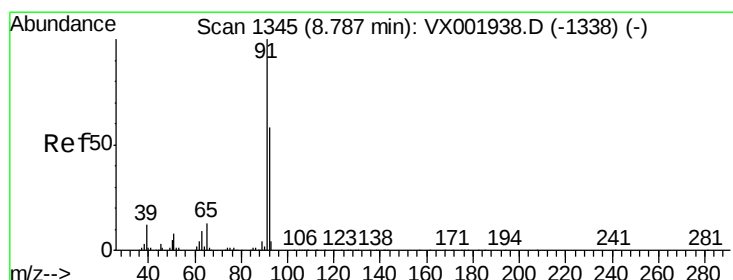
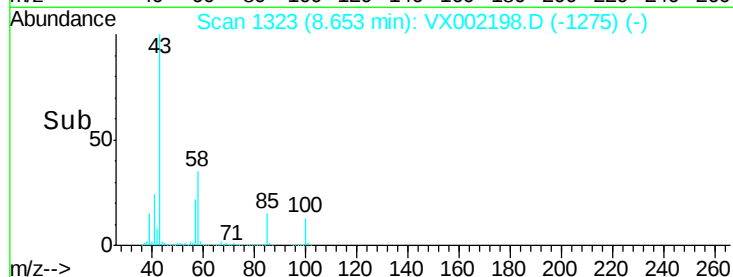
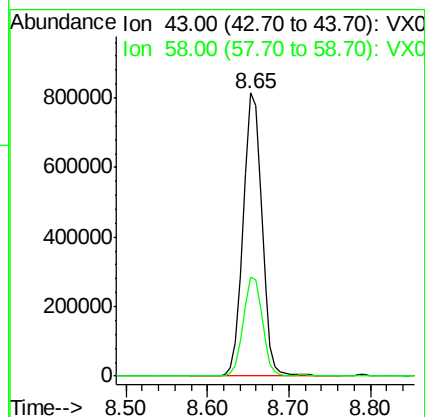
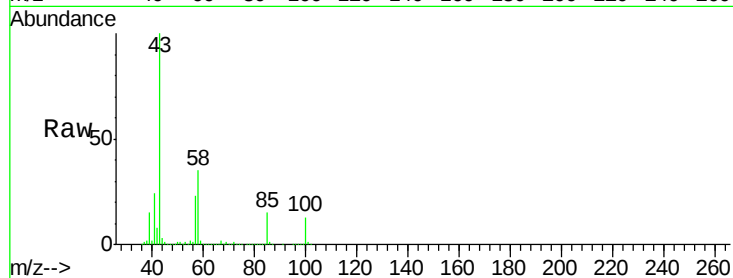
VSTDCCC050

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#52

Toluene

Concen: 47.914 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002198.D

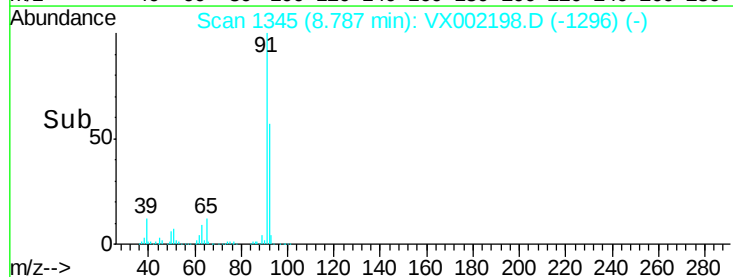
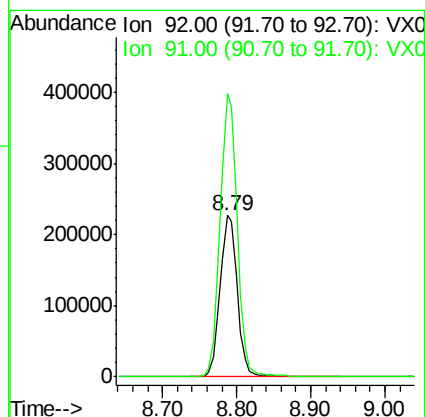
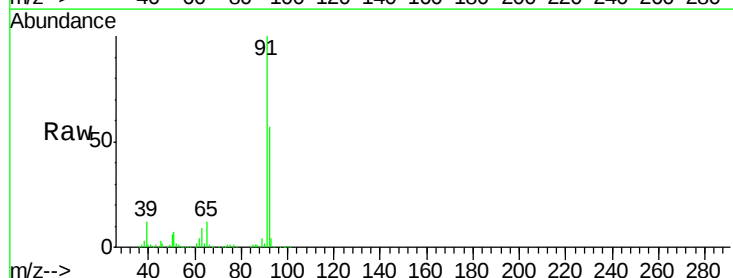
Acq: 01 Jun 2018 01:42

Tgt Ion: 92 Resp: 360817

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 42.775 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tot Ion: 75 Resp: 223495

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

Instrument :

MSVOA_X

ClientSampleId :

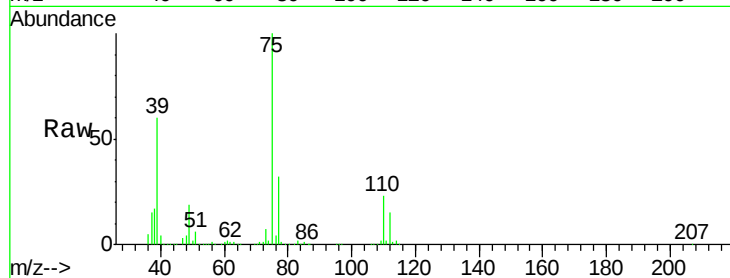
VSTDCCC050

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

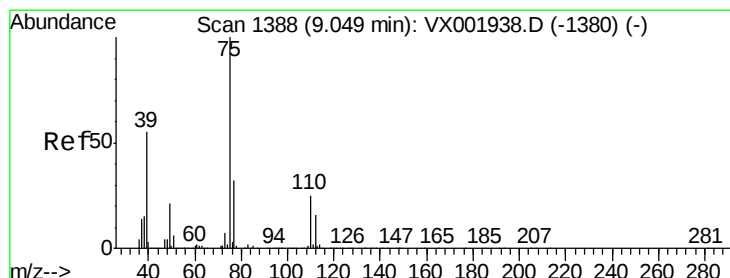
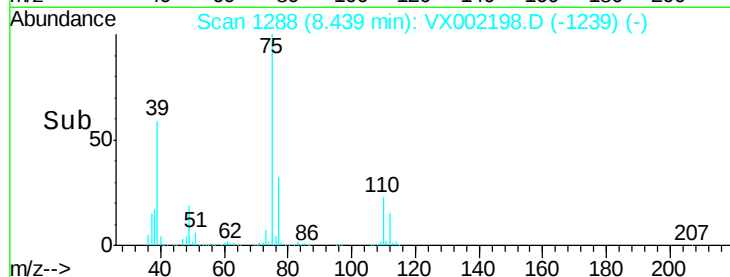
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 41.421 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

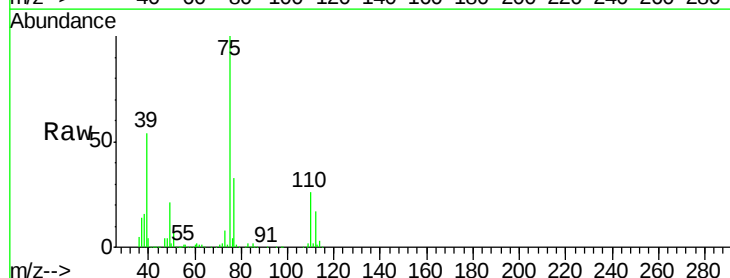
Tgt Ion: 75 Resp: 210883

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 54.3 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

200000

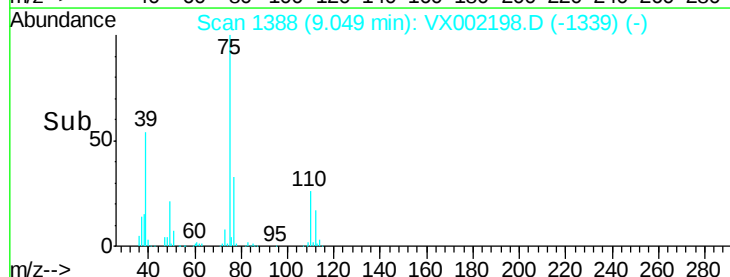
150000

100000

50000

0

Time-->





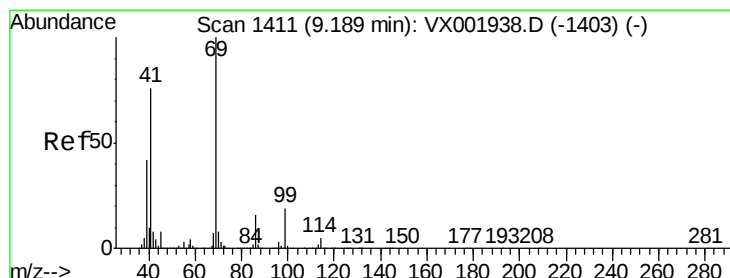
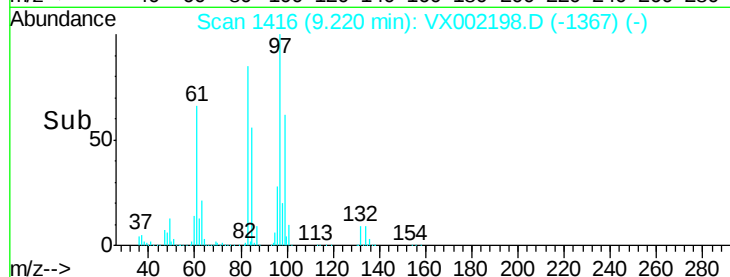
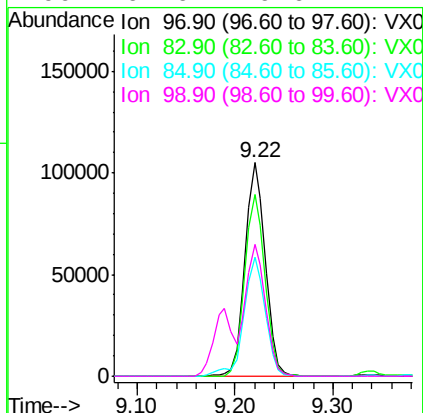
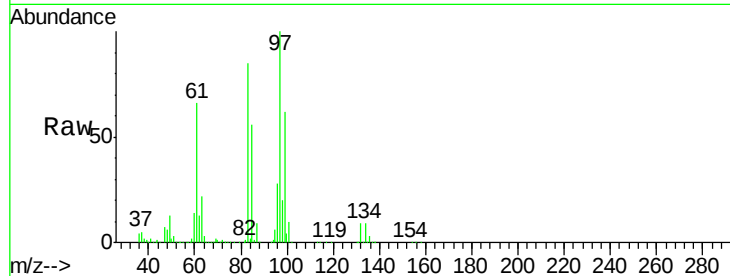
#55
 1,1,2-Trichloroethane
 Concen: 48.337 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	152061
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.1	103.7
85	55.7	45.2	67.8
99	61.6	49.6	74.4

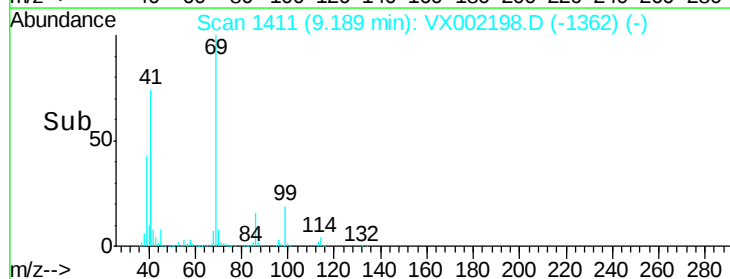
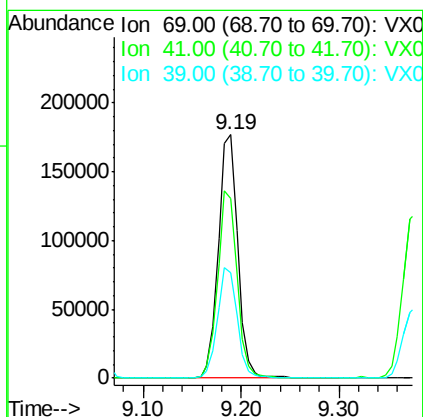
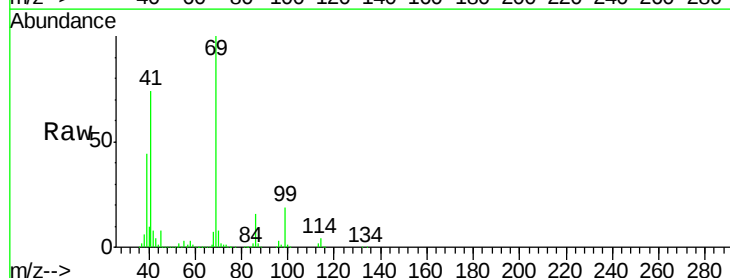
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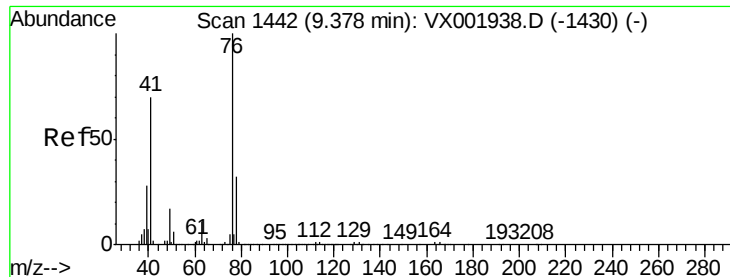
MMDadoda
 6/1/2018 6:37:13 PM



#56
 Ethyl methacrylate
 Concen: 45.297 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Tgt Ion:	69	Resp:	245104
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.0	91.6
39	45.7	34.4	51.6





#57

1,3-Dichloropropane

Concen: 48.712 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 252446

Ion Ratio Lower Upper

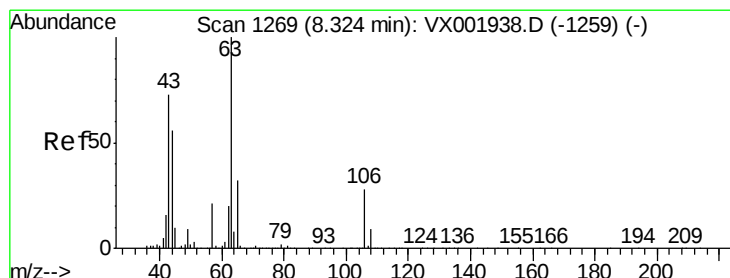
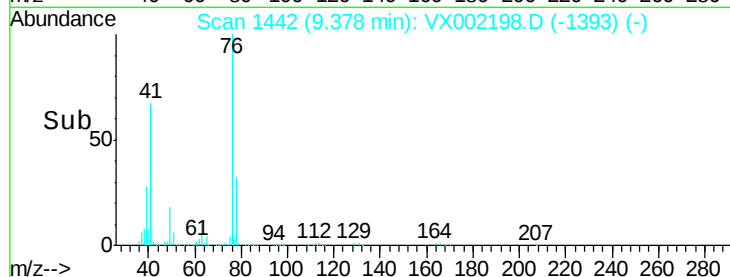
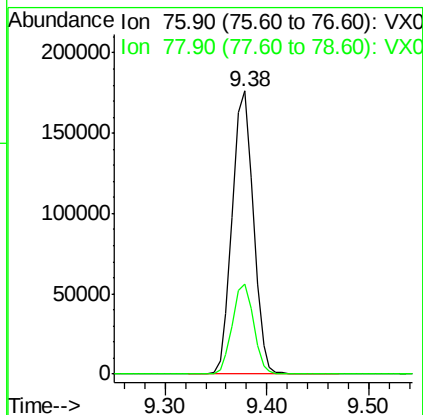
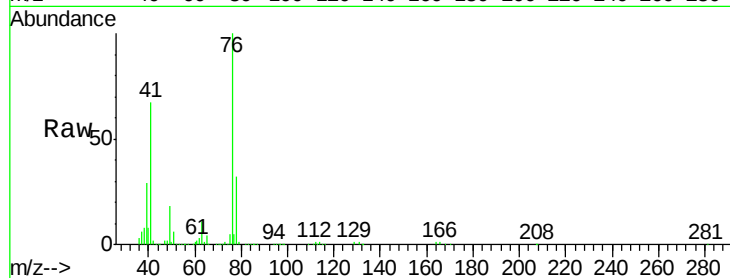
76 100

78 32.1 25.6 38.4

Manual Integrations
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6/1/2018 6:37:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 228.525 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002198.D

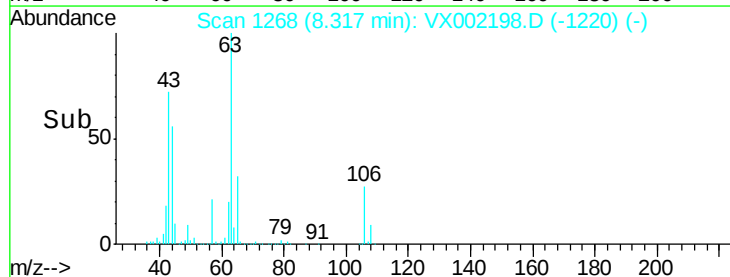
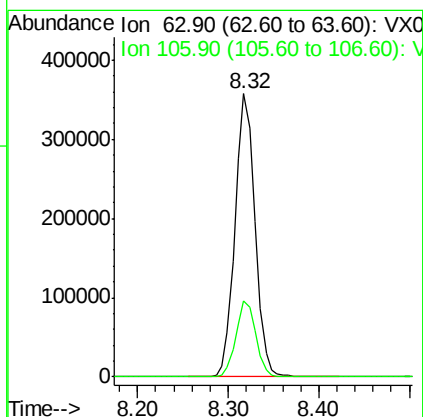
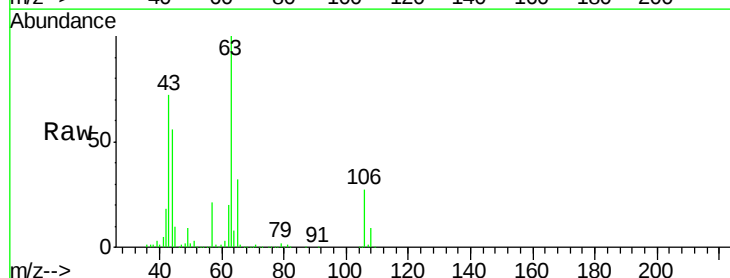
Acq: 01 Jun 2018 01:42

Tgt Ion: 63 Resp: 548071

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5





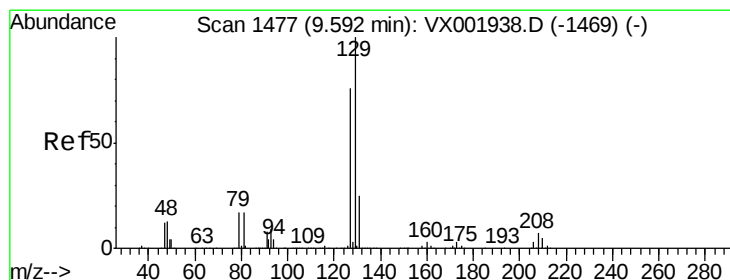
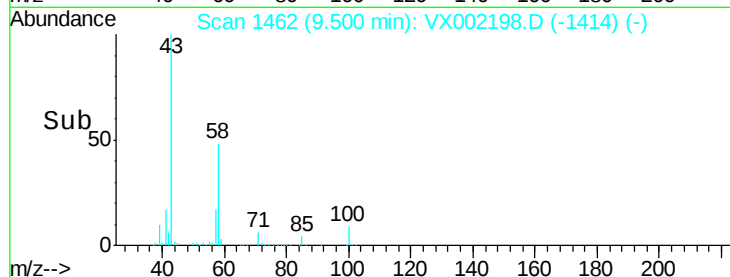
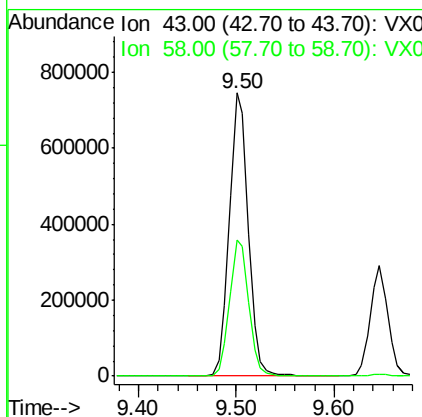
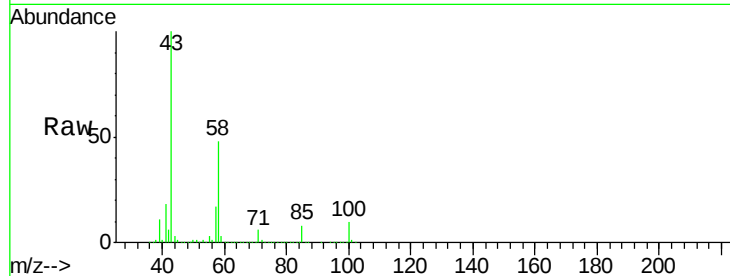
#59
2-Hexanone
Concen: 245.720 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1002069
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.6

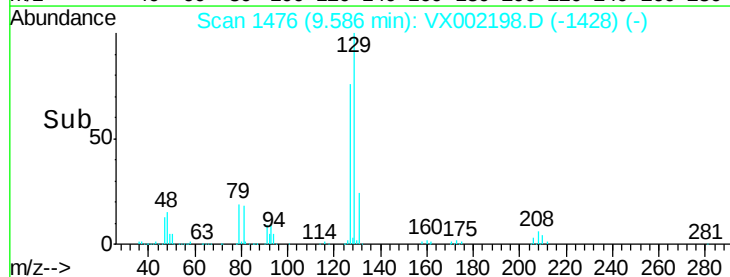
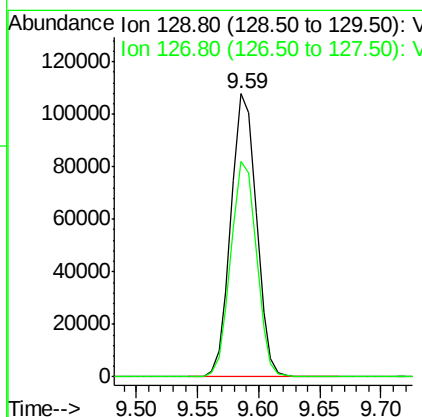
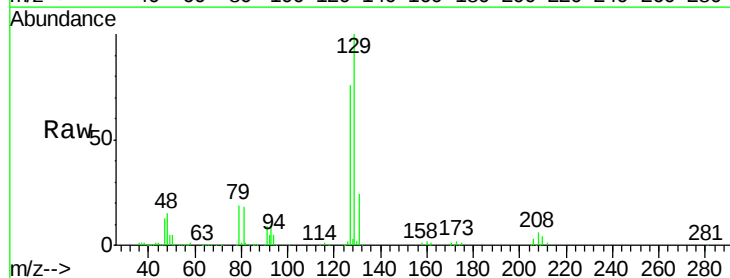
Manual Integrations
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6/1/2018 6:37:13 PM



#60
Dibromochloromethane
Concen: 41.667 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion: 129 Resp: 155257
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 48.567 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 160318

Ion Ratio Lower Upper

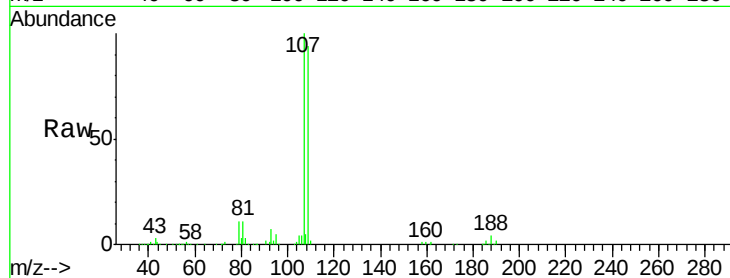
107 100

109 93.1 75.3 112.9

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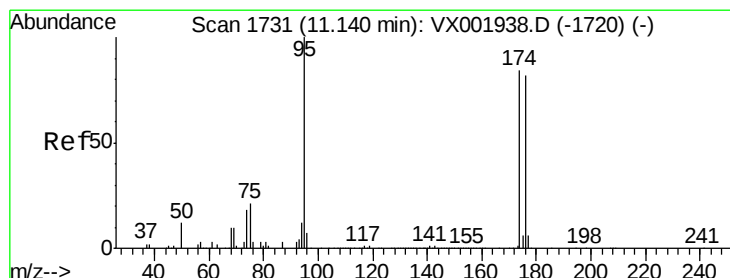
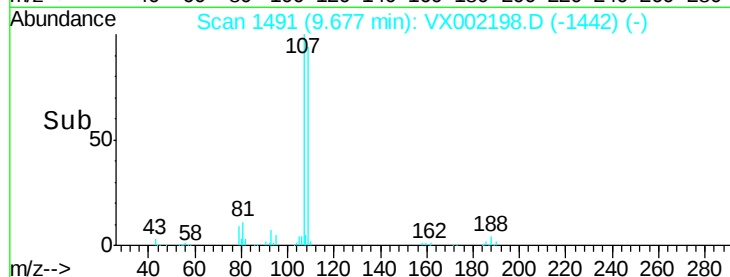
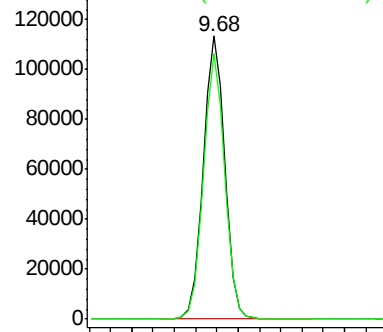
MMDadoda

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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: 43.256 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

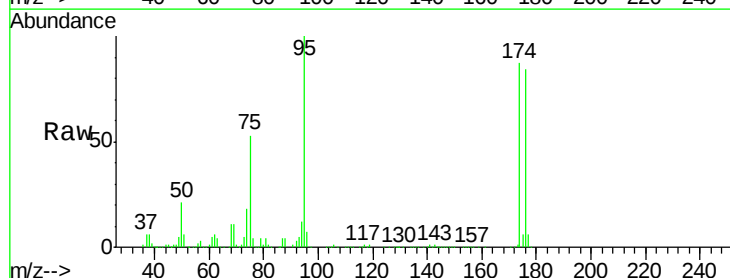
Tgt Ion: 95 Resp: 177916

Ion Ratio Lower Upper

95 100

174 92.5 0.0 178.8

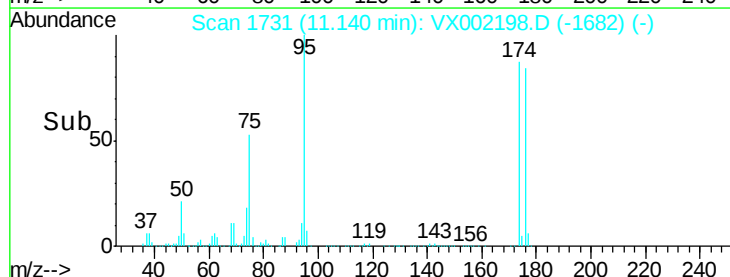
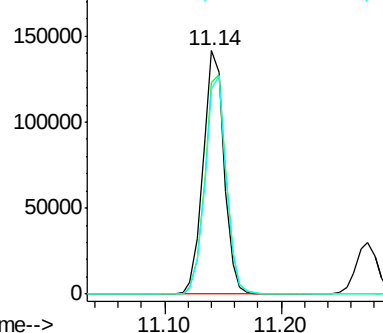
176 90.6 0.0 175.6



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





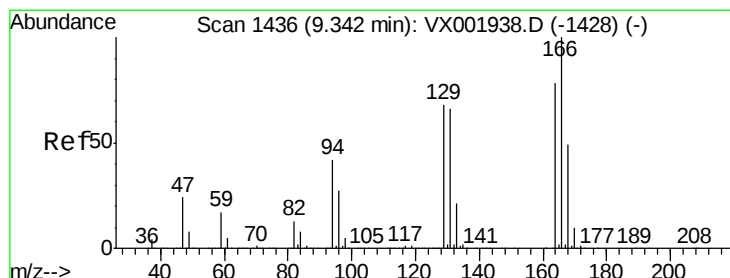
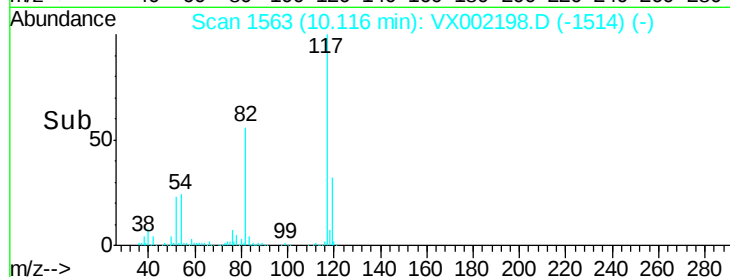
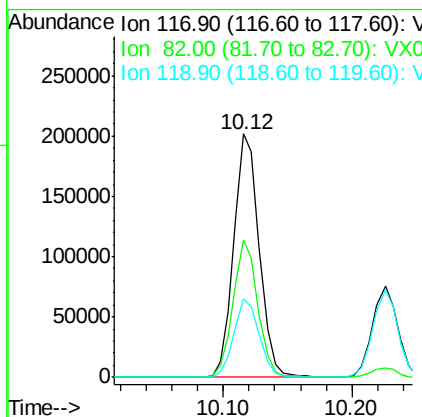
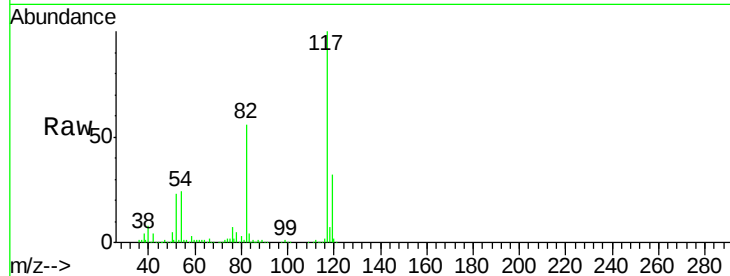
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.8	67.2
119	32.3	25.5	38.3

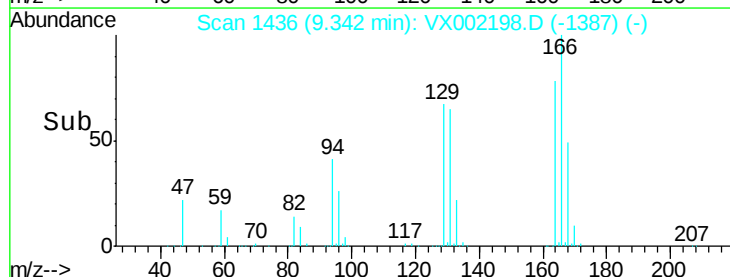
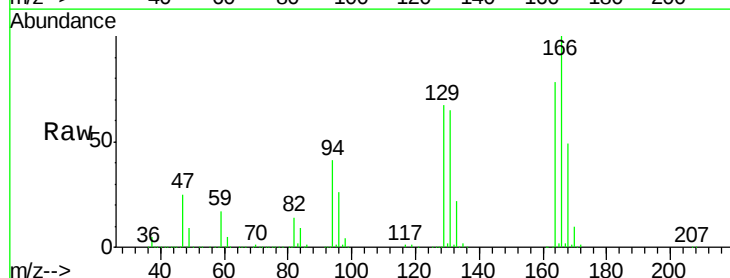
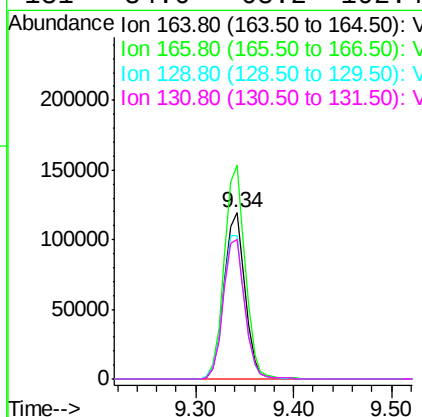
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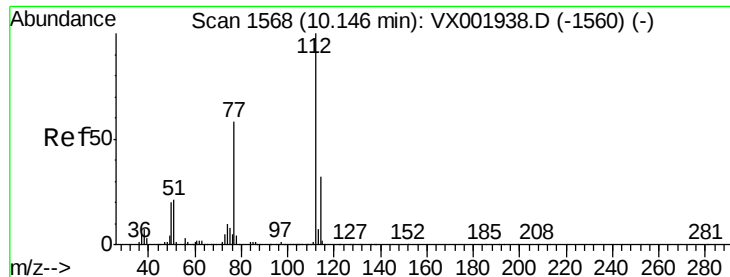
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#64
Tetrachloroethene
Concen: 44.043 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.7	154.1
129	86.3	70.3	105.5
131	84.0	68.2	102.4





#65

Chlorobenzene

Concen: 46.345 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 410488

Ion Ratio Lower Upper

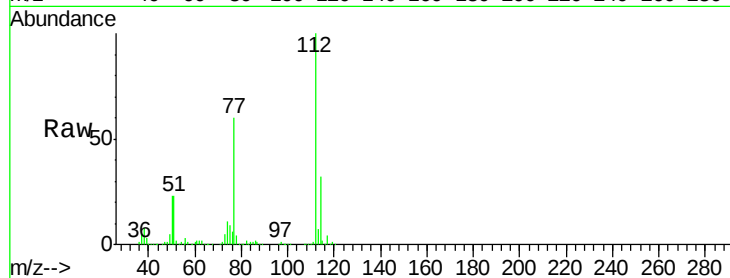
112 100

114 32.1 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

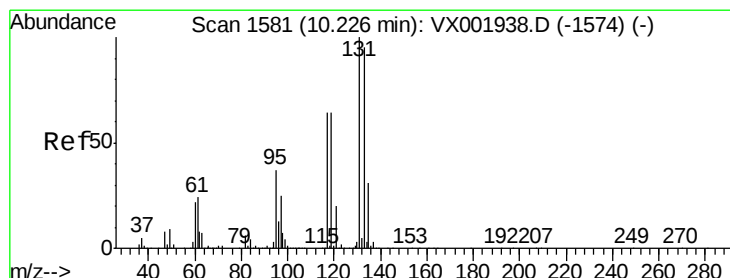
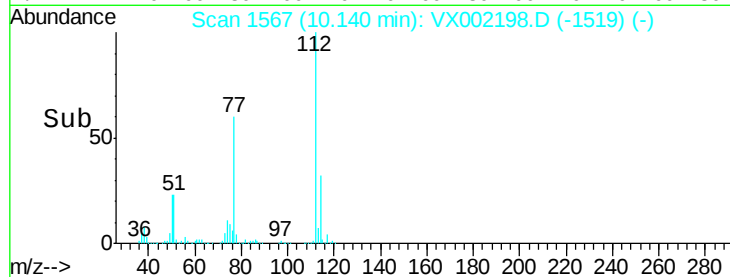
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 42.922 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

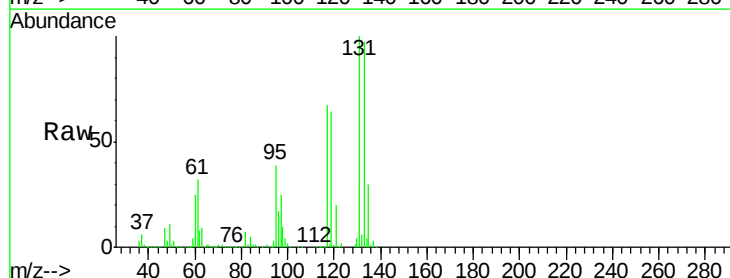
Tgt Ion:131 Resp: 153513

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.0

119 63.2 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

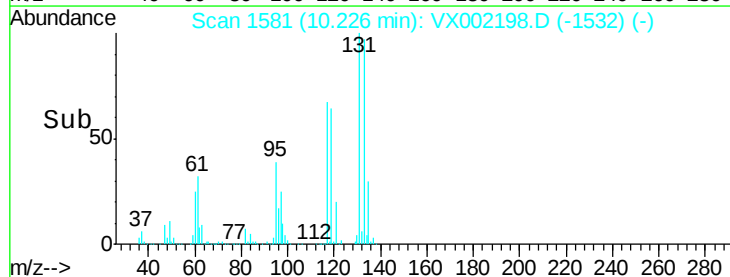
150000

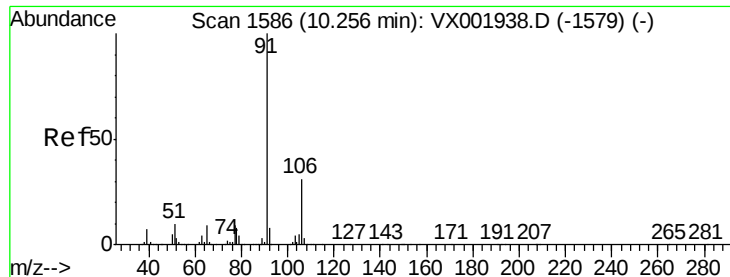
100000

50000

0

Time-->





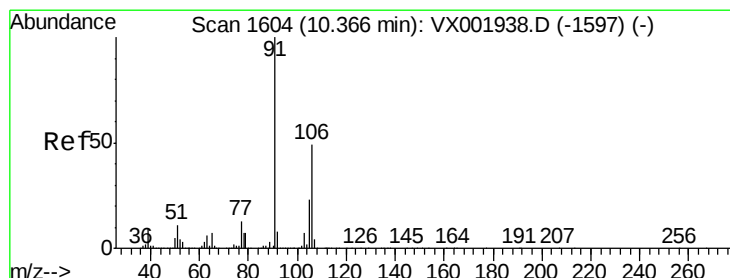
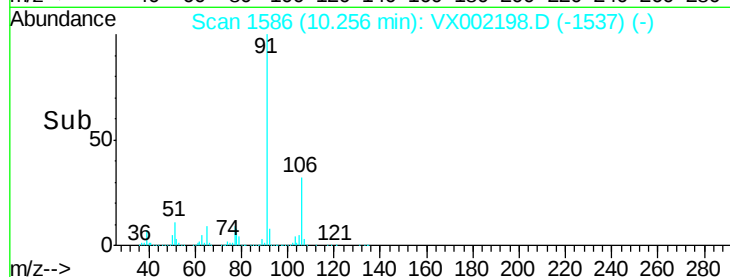
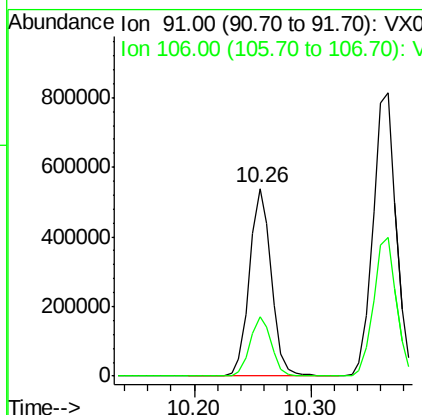
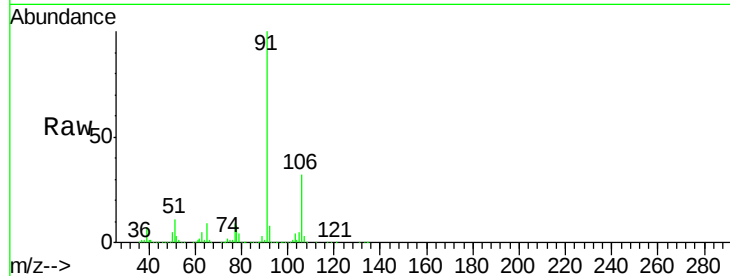
#67
Ethyl Benzene
Concen: 45.935 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 706888
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

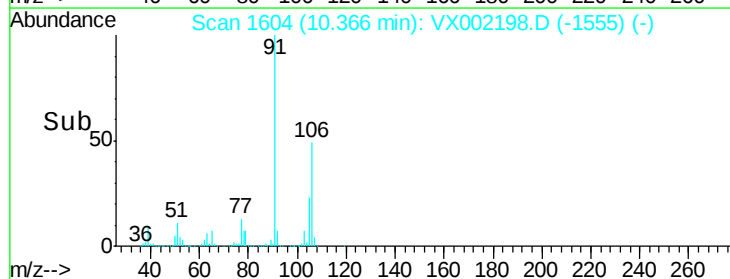
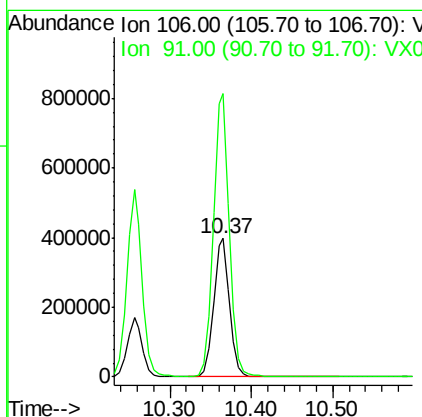
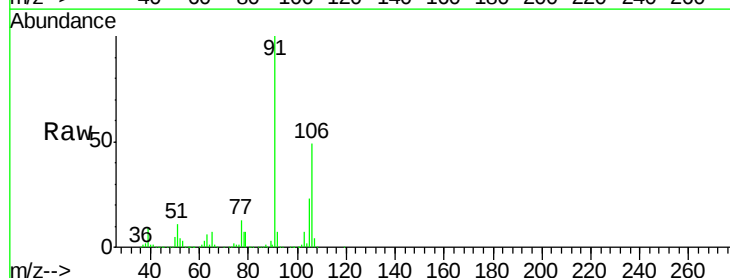
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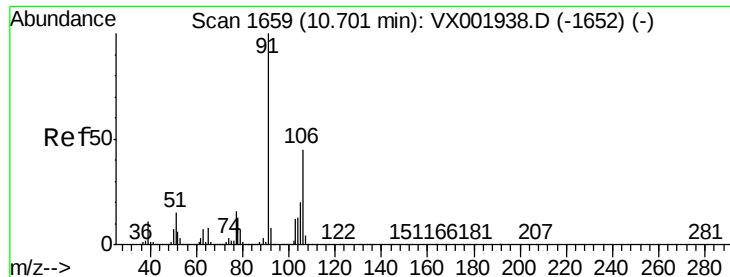
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#68
m/p-Xylenes
Concen: 92.864 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion: 106 Resp: 546288
Ion Ratio Lower Upper
106 100
91 206.3 165.0 247.6





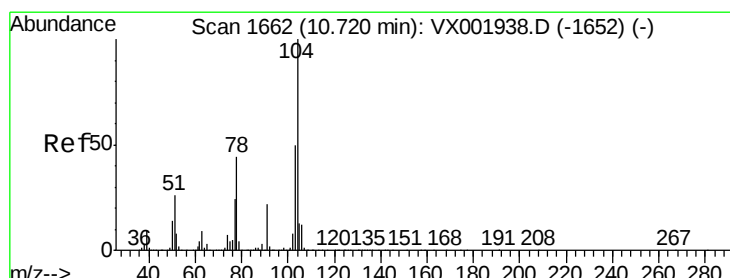
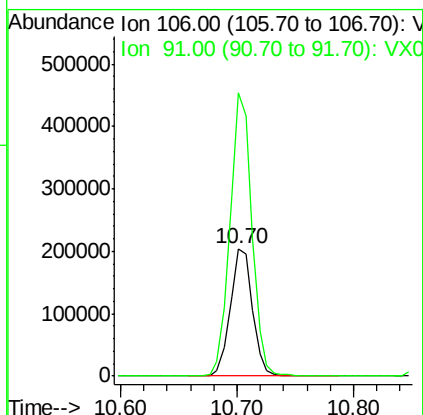
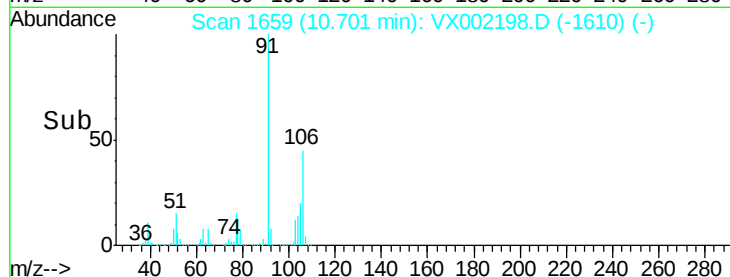
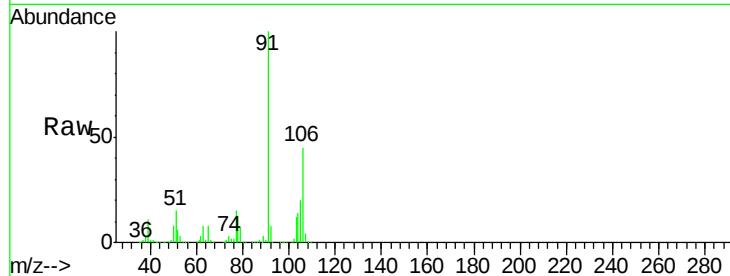
#69
o-Xylene
Concen: 46.299 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 271948
Ion Ratio Lower Upper
106 100
91 218.8 108.7 325.9

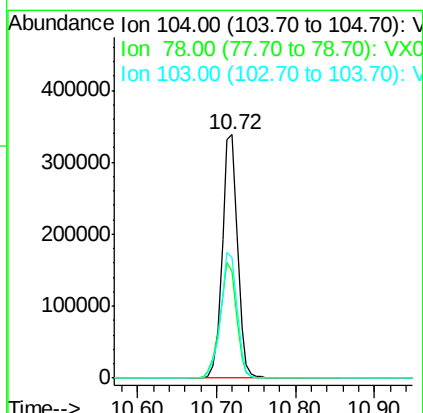
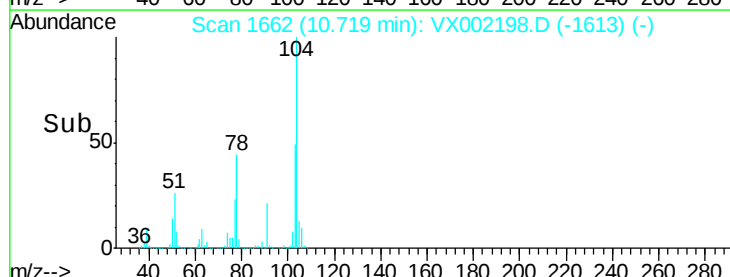
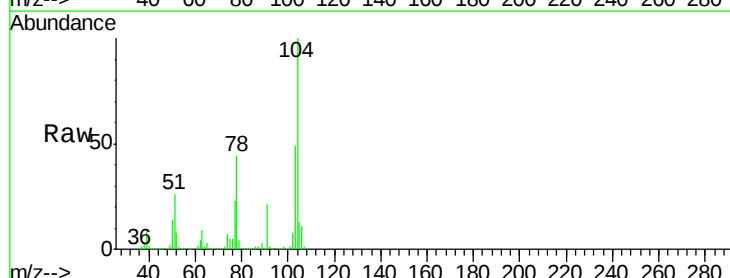
Manual Integrations
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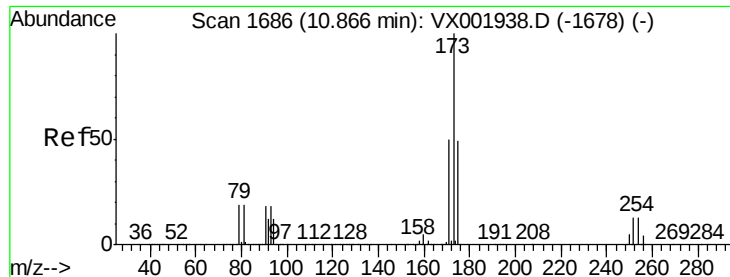
MMDadoda
6/1/2018 6:37:13 PM



#70
Styrene
Concen: 46.894 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion:104 Resp: 456799
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.6
103 55.5 44.6 67.0





#71

Bromoform

Concen: 35.885 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

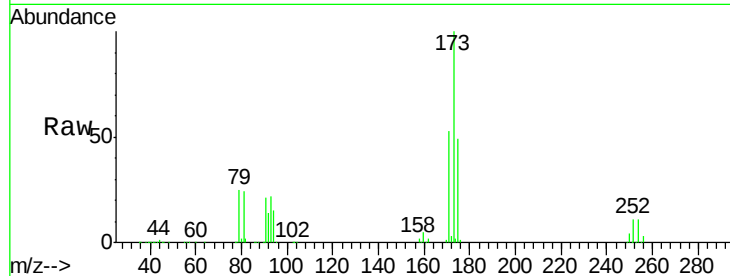
ClientSampleId :

VSTDCCC050

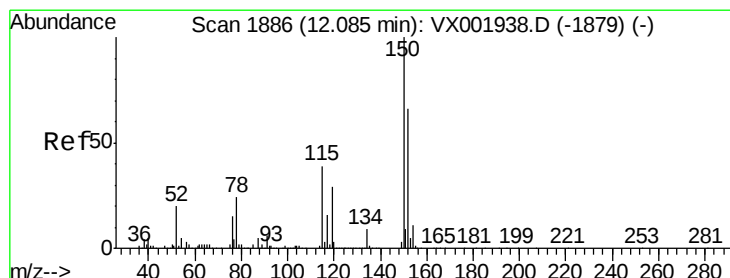
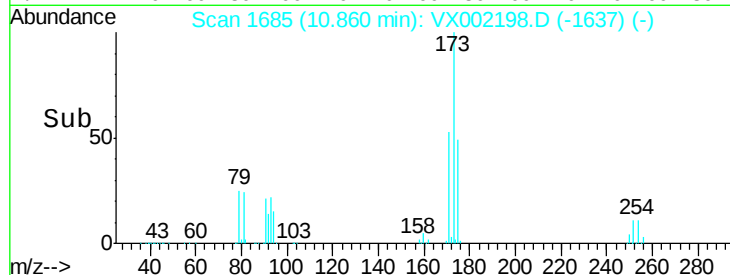
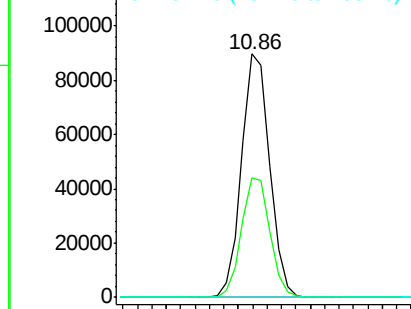
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.9
254	0.2	0.1	0.1

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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: 50.000 ug/l

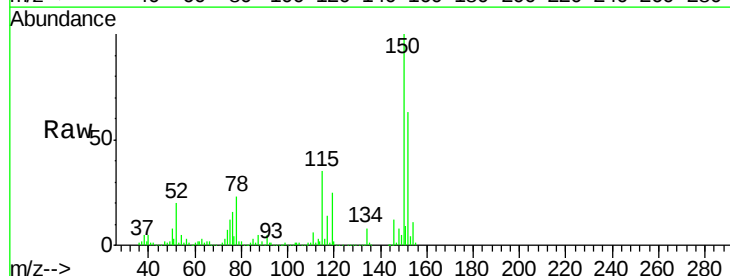
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

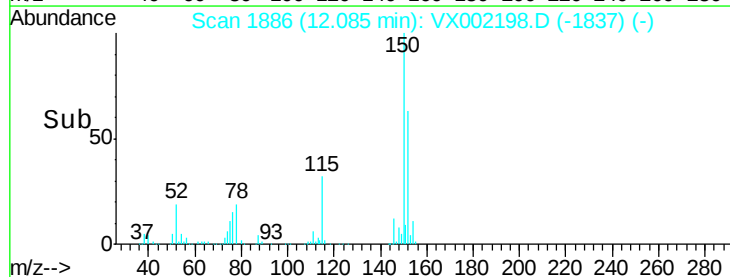
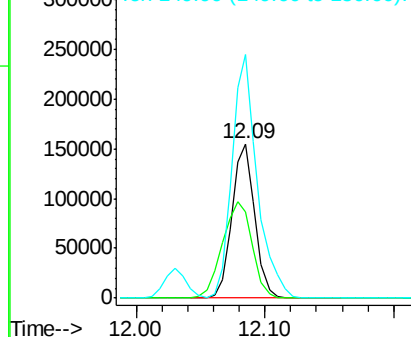
Lab File: VX002198.D

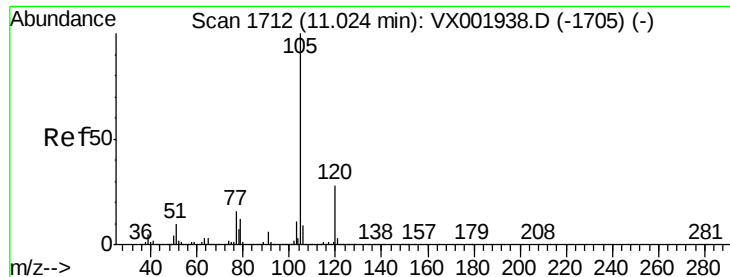
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.6	42.3	126.8
150	174.7	0.0	351.0



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: 44.483 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 721251

Ion Ratio Lower Upper

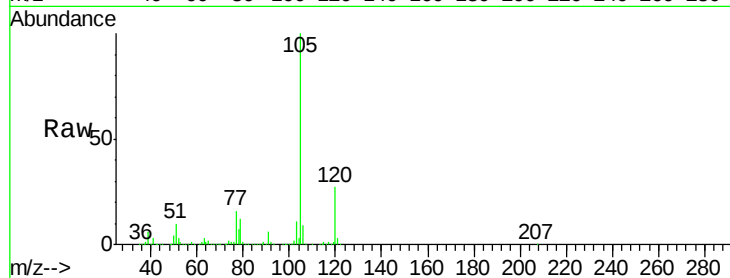
105 100

120 26.7 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

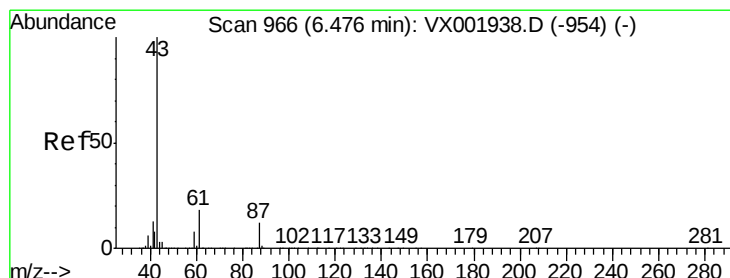
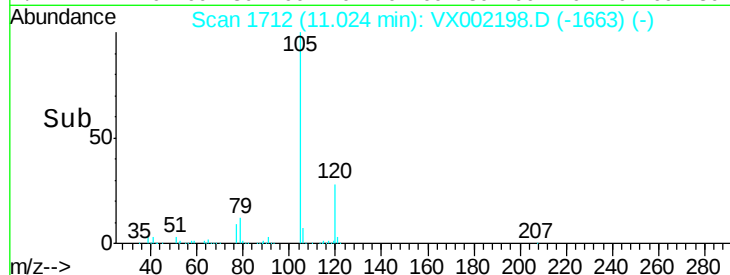
400000

200000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 46.592 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tgt Ion: 43 Resp: 393711

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 17.7 14.5 21.7

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

250000

200000

150000

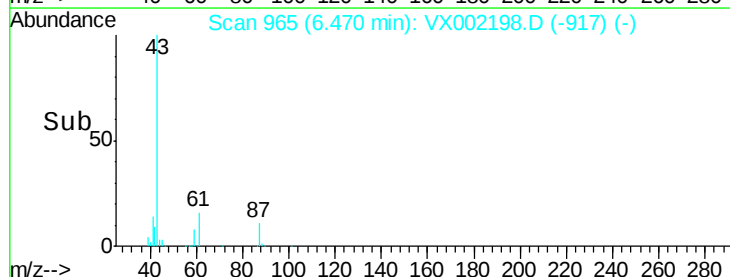
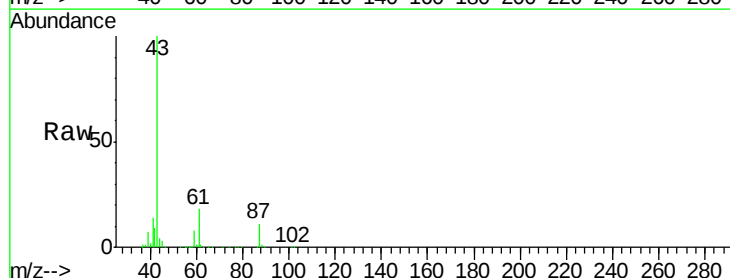
100000

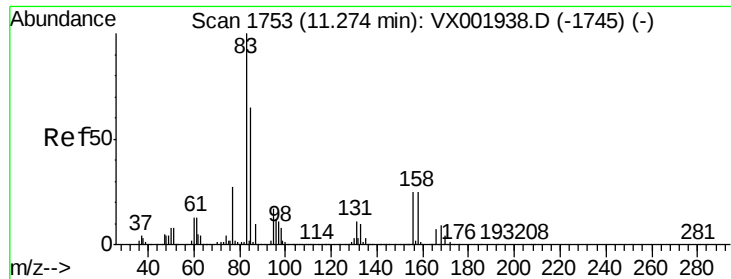
50000

0

6.47

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 51.084 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 226413

Ion Ratio Lower Upper

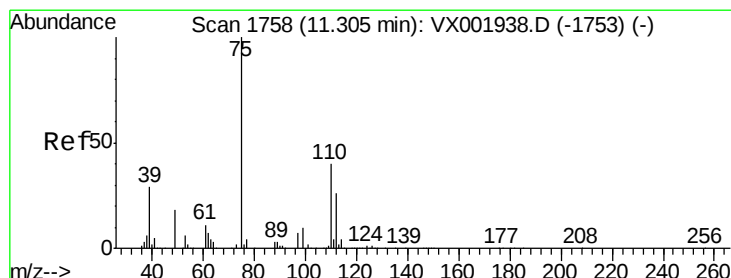
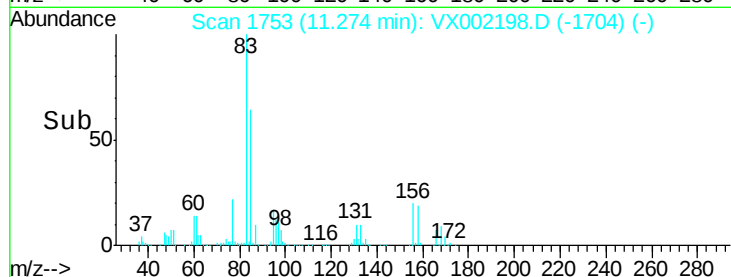
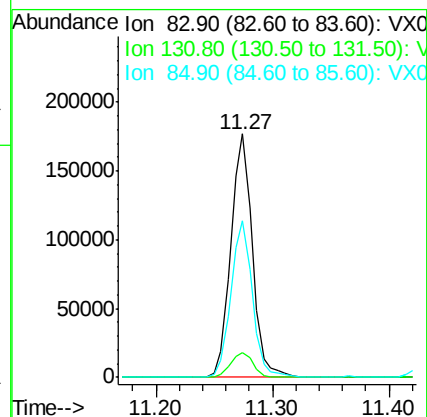
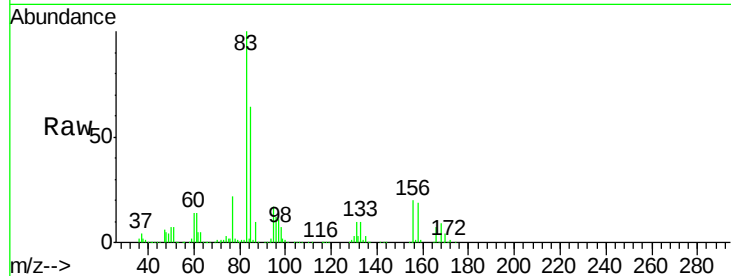
83 100

131 10.7 5.7 17.0

85 64.4 32.6 97.7

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#76

1,2,3-Trichloropropane

Concen: 51.304 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002198.D

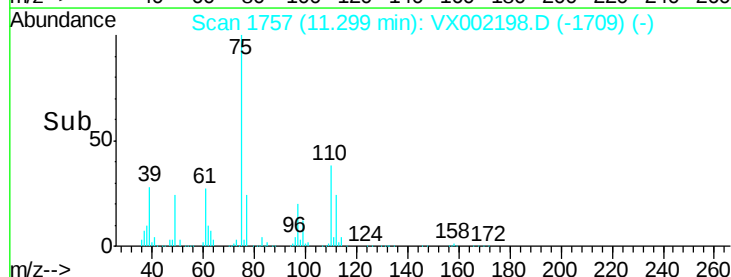
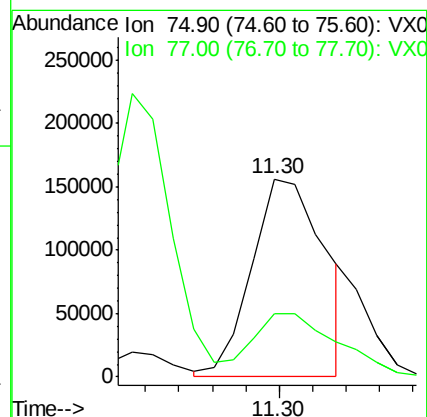
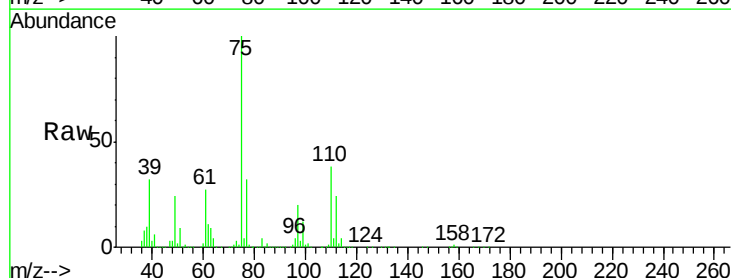
Acq: 01 Jun 2018 01:42

Tgt Ion: 75 Resp: 235954

Ion Ratio Lower Upper

75 100

77 38.0 22.8 68.3





#77

Bromobenzene

Concen: 46.077 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 198218

Ion Ratio Lower Upper

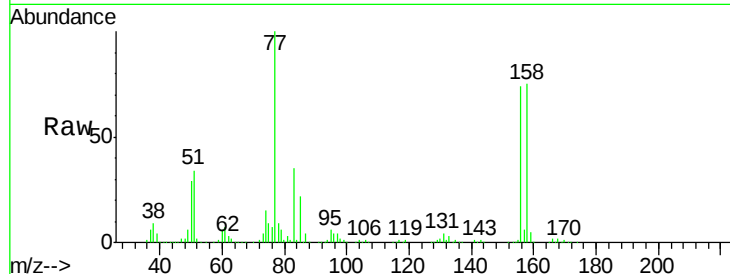
156 100

77 145.0 75.2 225.6

158 99.4 48.6 145.8

Manual Integrations
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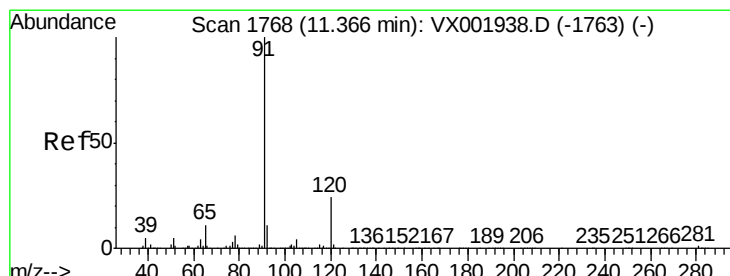
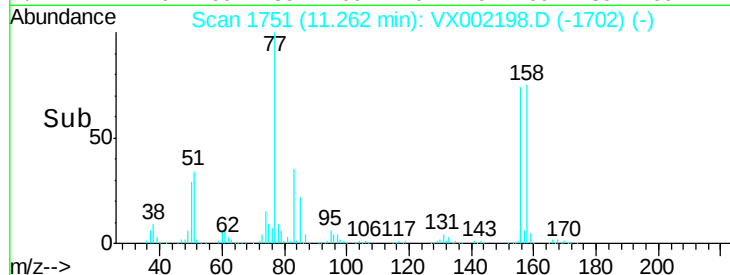
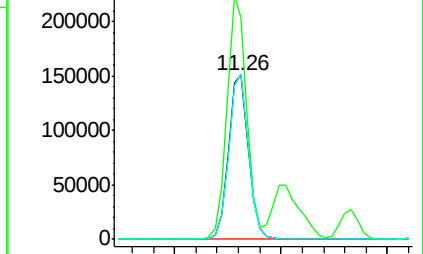
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.529 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002198.D

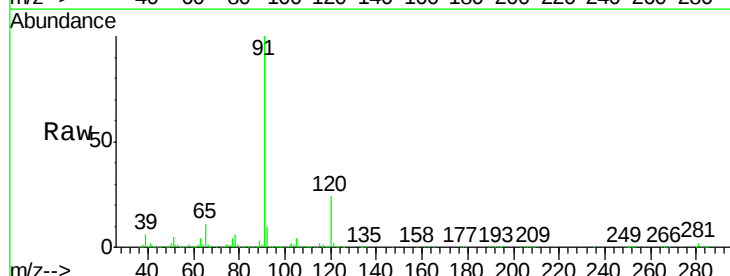
Acq: 01 Jun 2018 01:42

Tgt Ion: 91 Resp: 808641

Ion Ratio Lower Upper

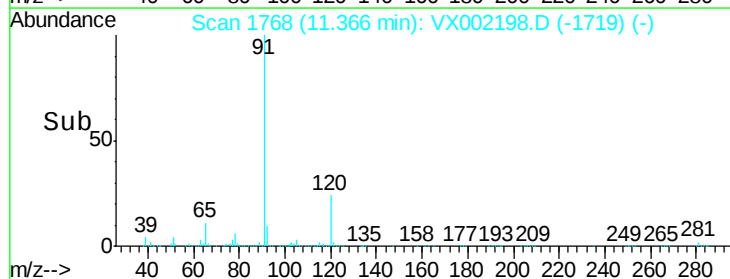
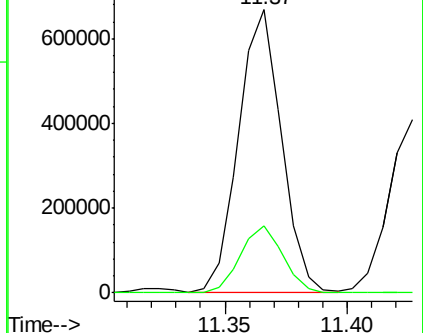
91 100

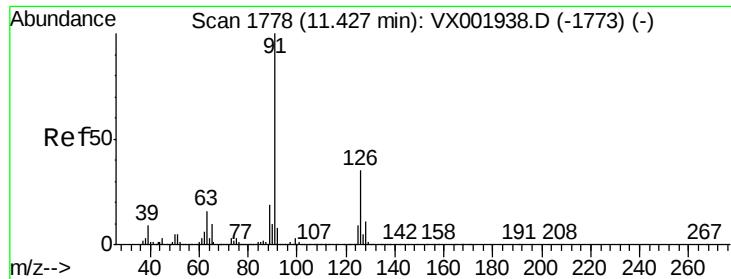
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.194 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 499947

Ion Ratio Lower Upper

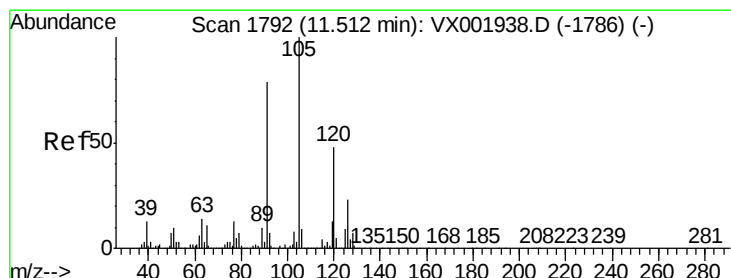
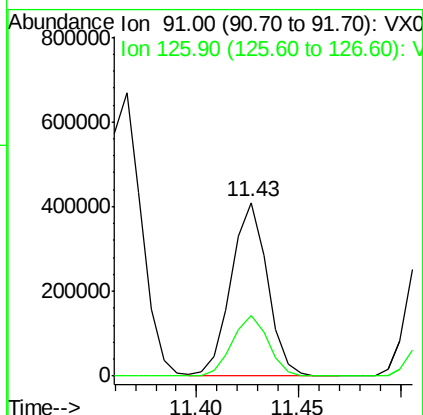
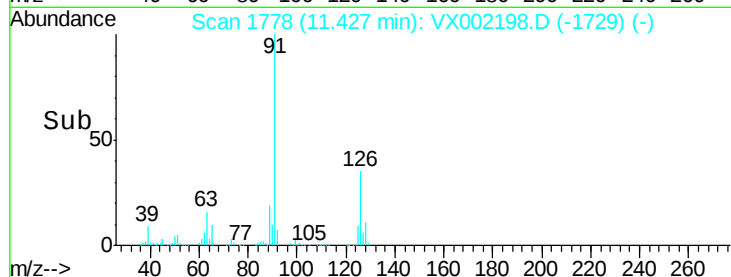
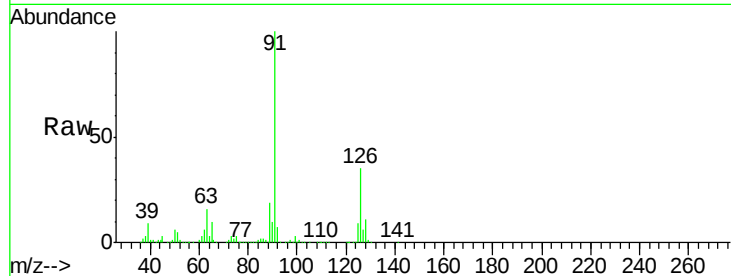
91 100

126 35.0 17.4 52.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 44.887 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002198.D

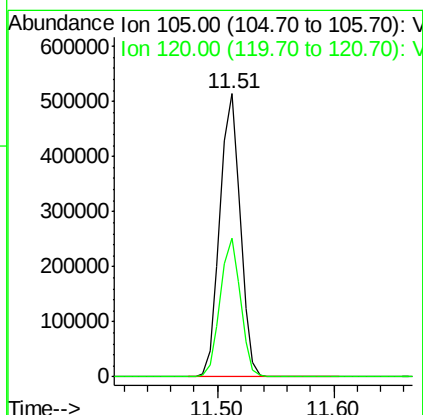
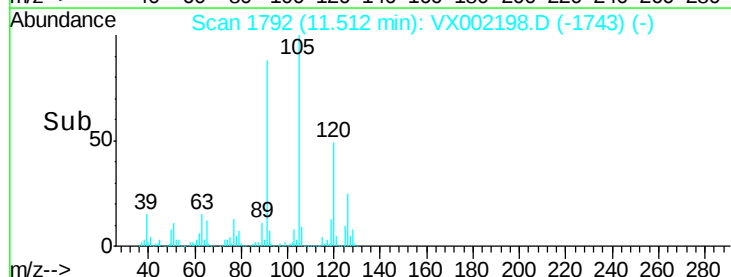
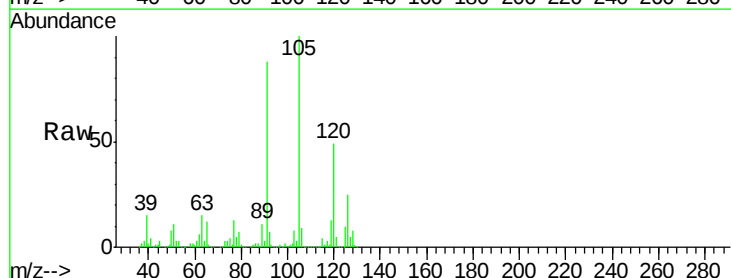
Acq: 01 Jun 2018 01:42

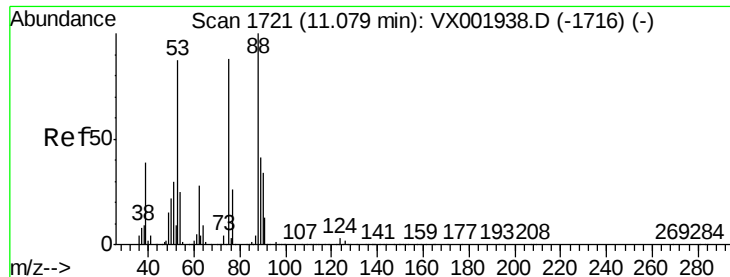
Tgt Ion: 105 Resp: 621980

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4





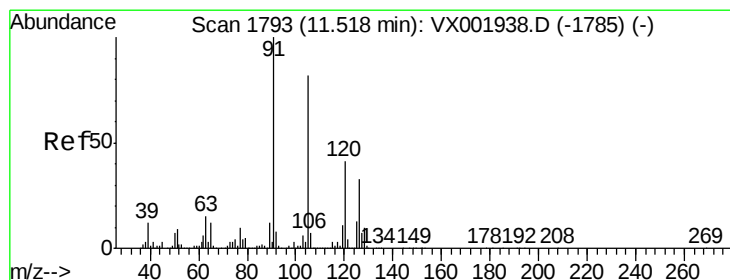
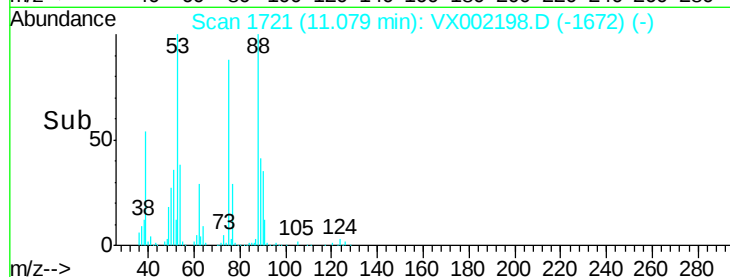
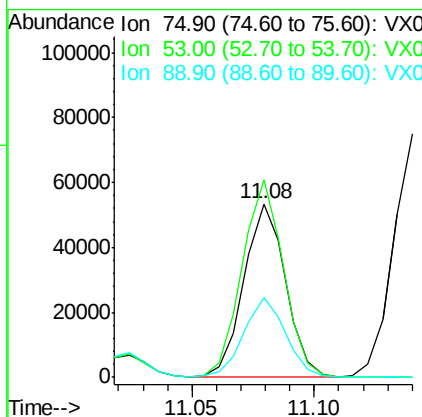
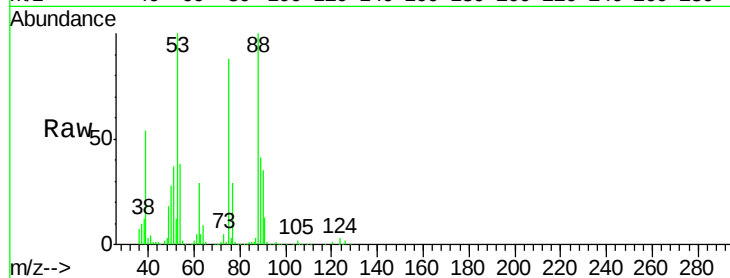
#81
trans-1,4-Dichloro-2-butene
Concen: 33.040 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.2	78.0	117.0
89	46.4	39.4	59.2

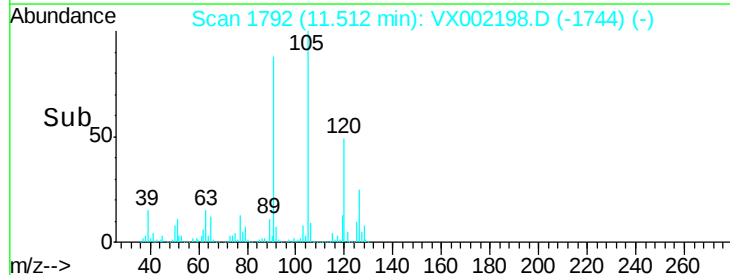
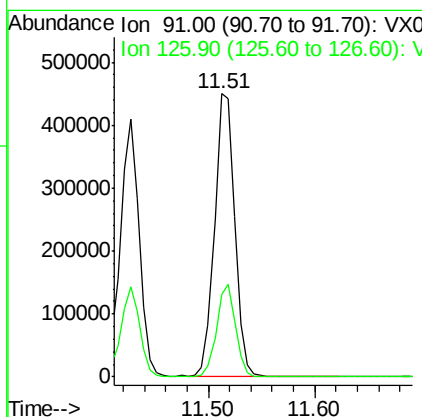
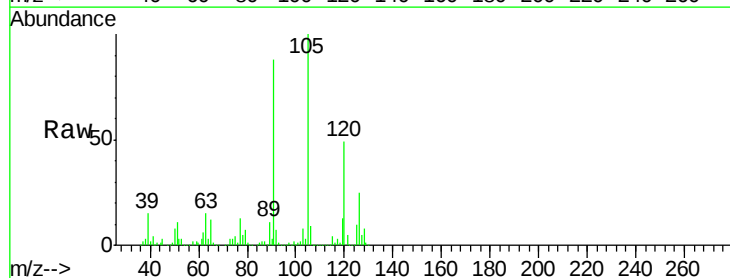
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#82
4-Chlorotoluene
Concen: 45.931 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8





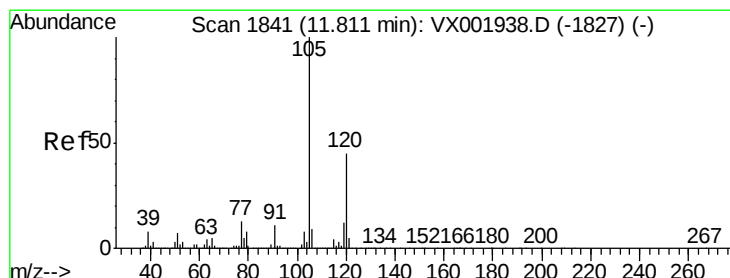
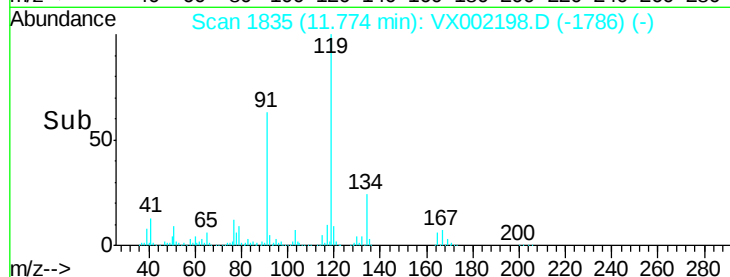
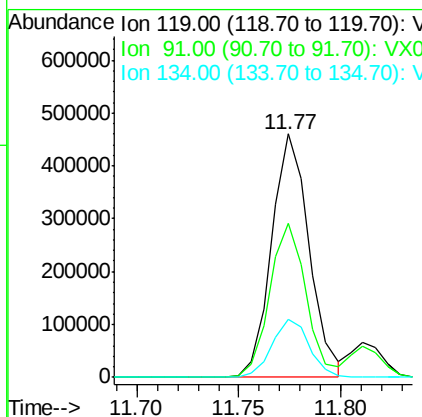
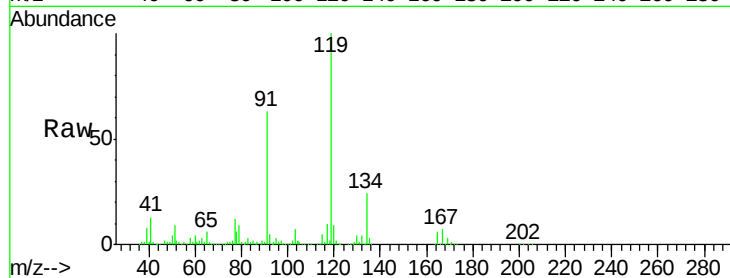
#83
tert-Butylbenzene
Concen: 43.500 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.6	91.8
134	23.8	11.7	35.0

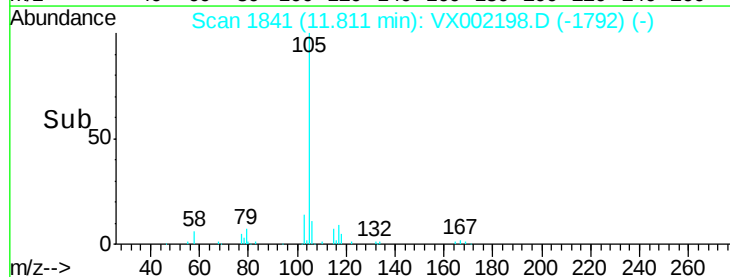
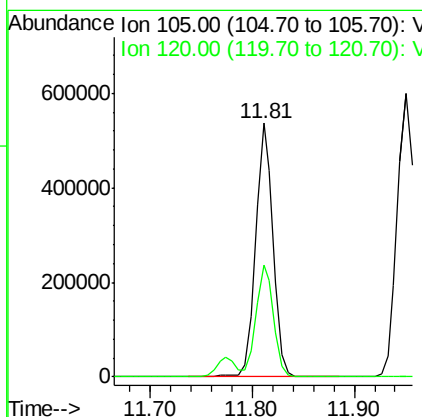
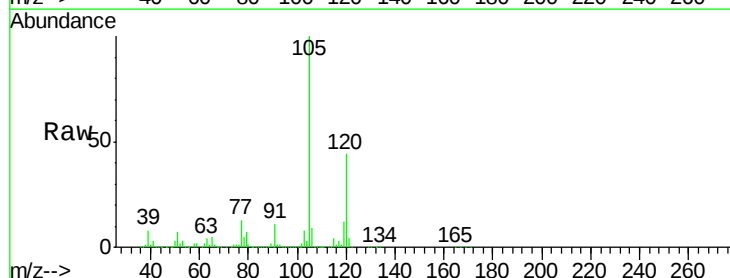
Manual Integrations
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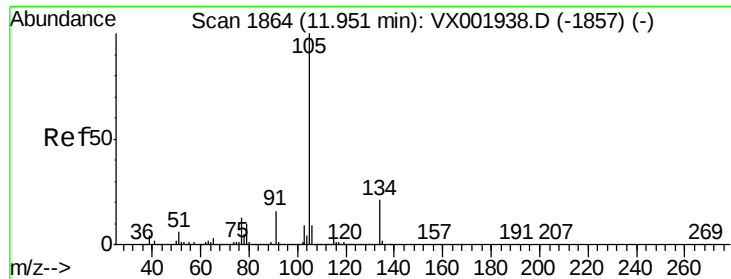
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#84
1,2,4-Trimethylbenzene
Concen: 45.074 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 44.152 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 721689

Ion Ratio Lower Upper

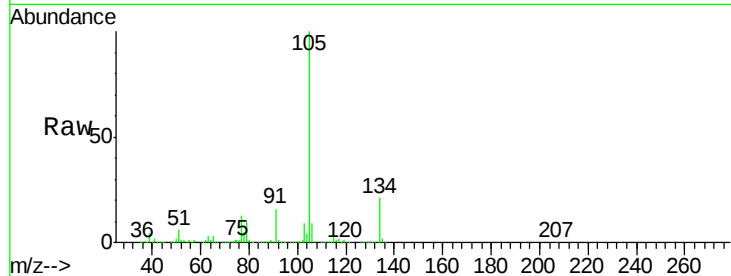
105 100

134 20.8 10.4 31.4

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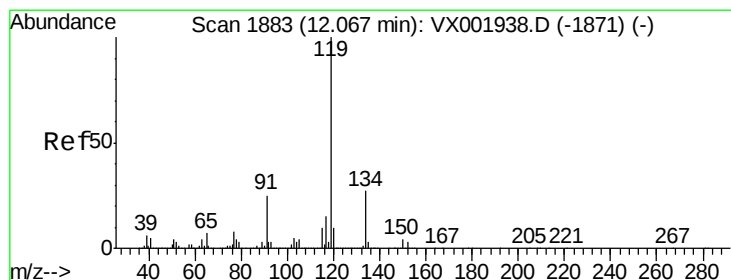
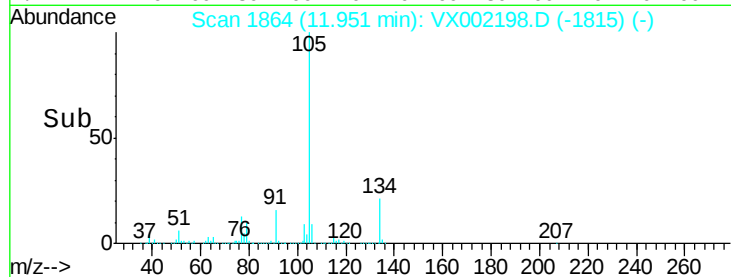
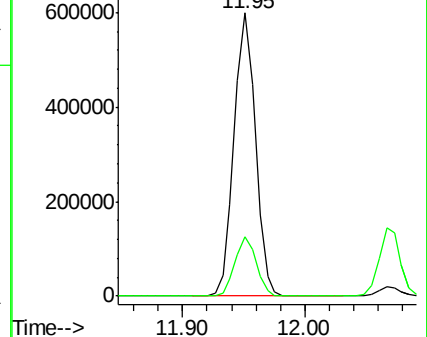
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.584 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

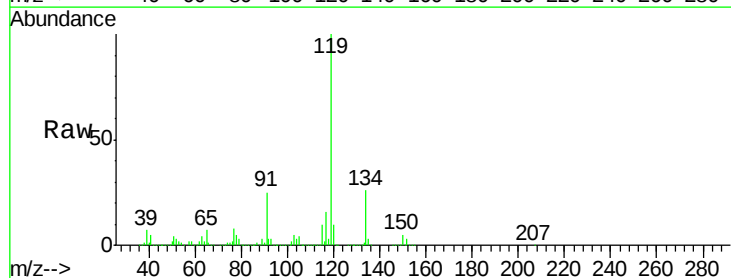
Tgt Ion:119 Resp: 652111

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

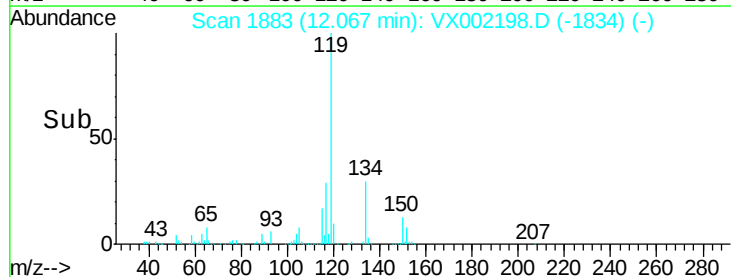
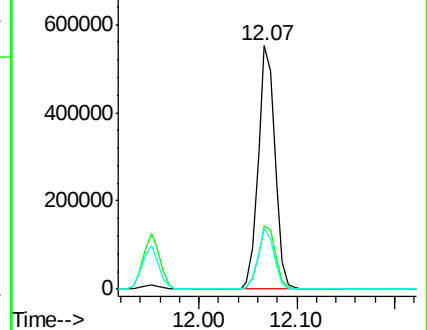
91 24.4 12.2 36.4

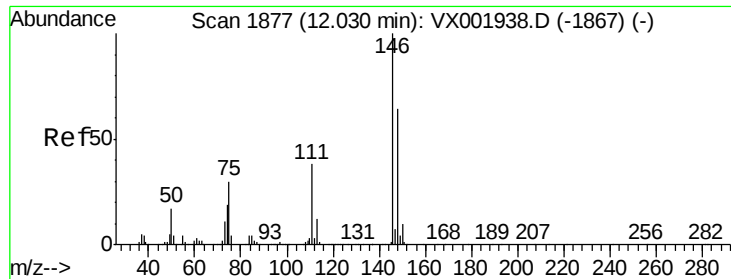


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





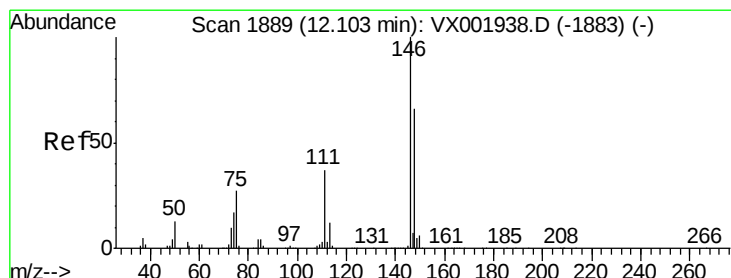
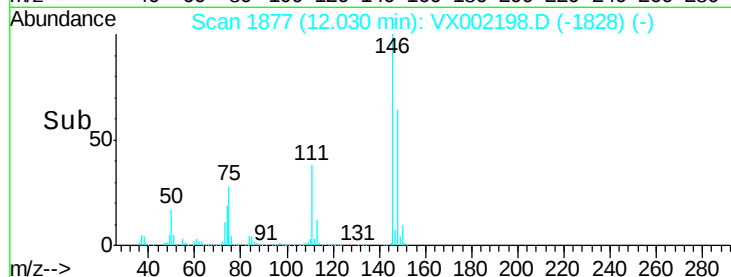
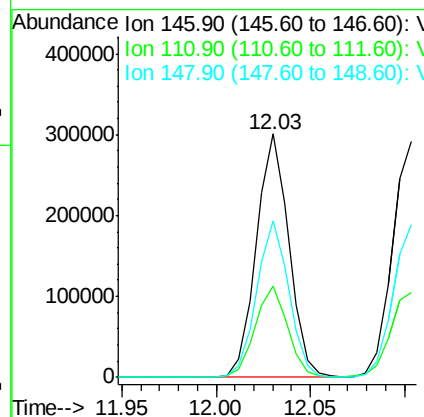
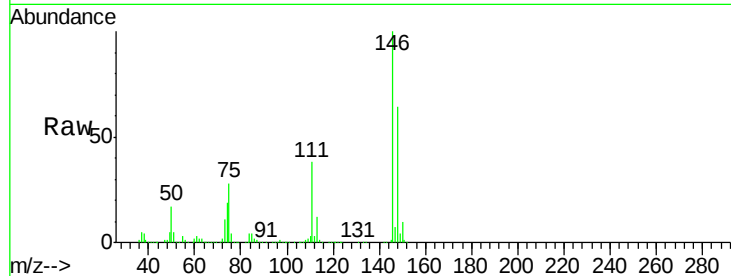
#87
 1,3-Dichlorobenzene
 Concen: 46.562 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	63.8	32.1	96.3

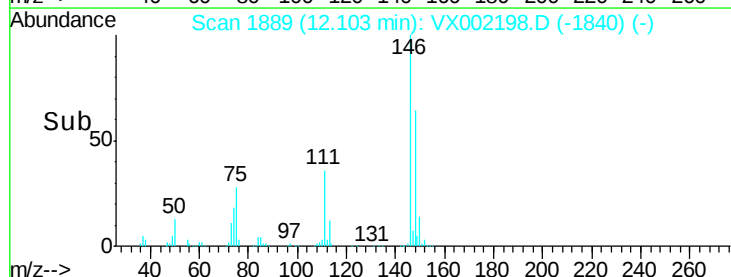
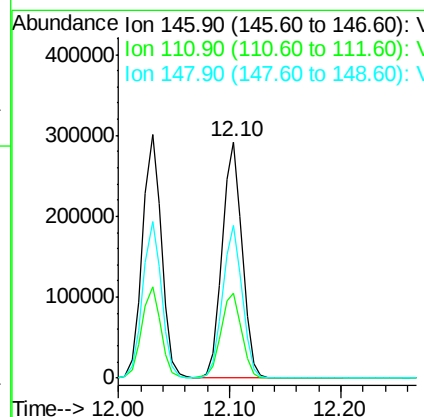
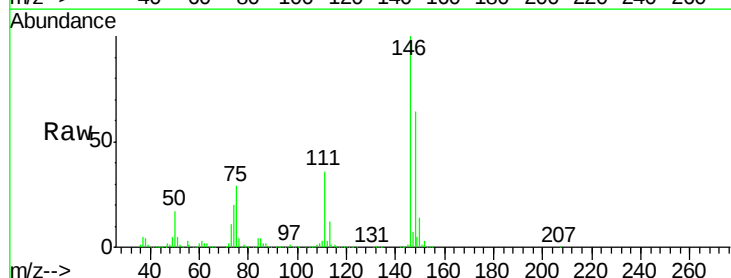
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#88
 1,4-Dichlorobenzene
 Concen: 46.942 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	63.7	32.3	96.8





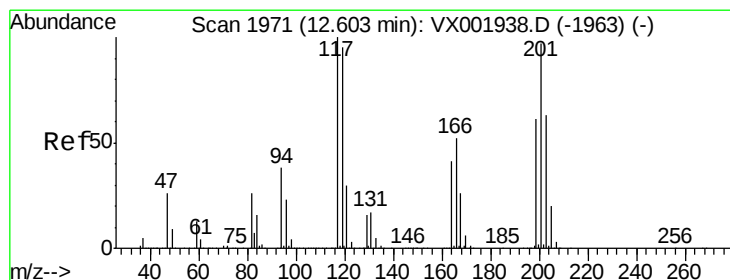
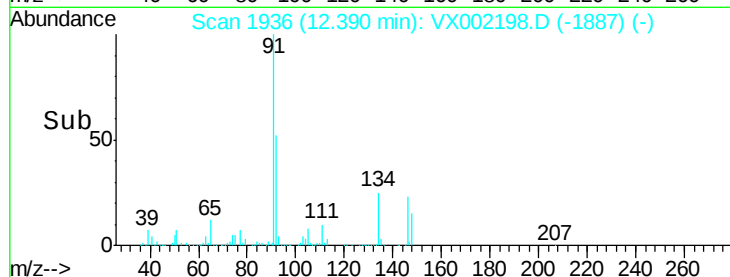
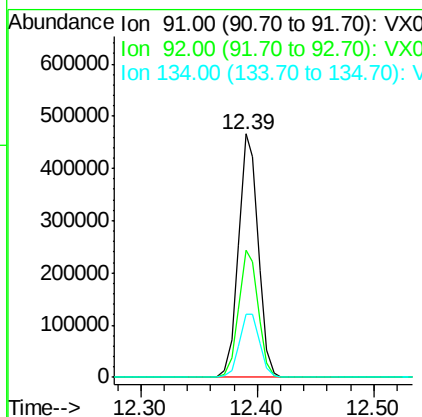
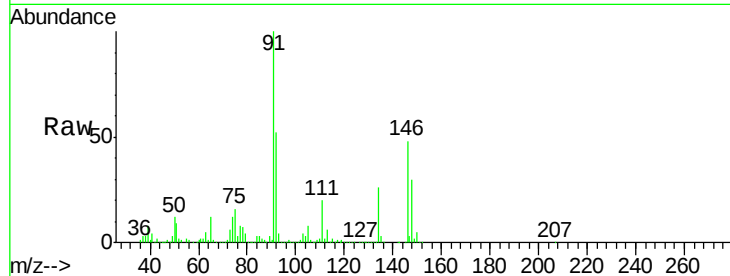
#89
n-Butylbenzene
Concen: 44.164 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	27.0	13.6	40.7

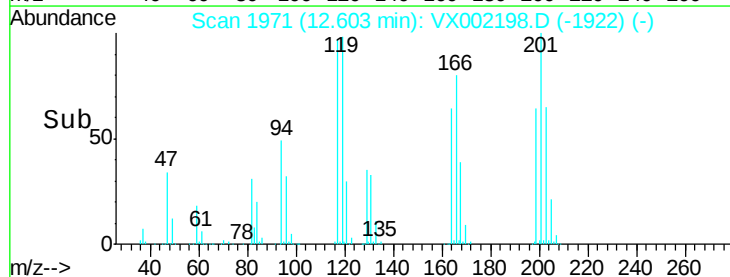
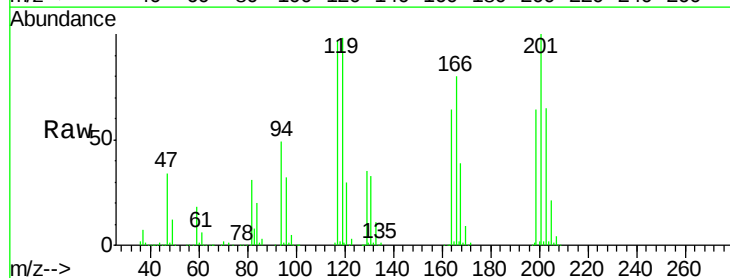
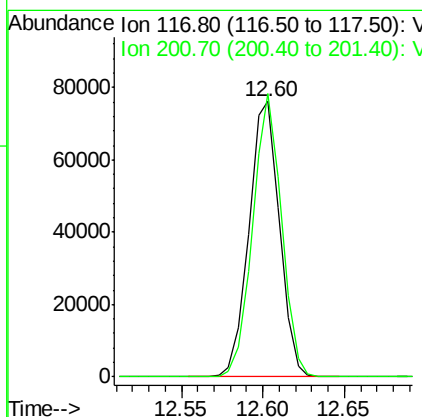
Manual Integrations
APPROVED

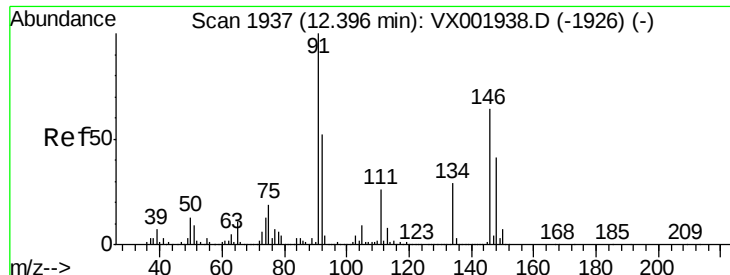
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#90
Hexachloroethane
Concen: 34.463 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	48.0	144.0





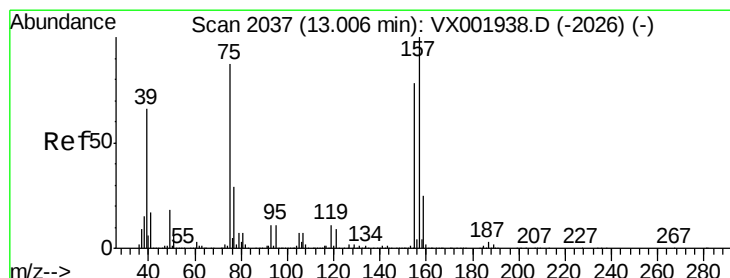
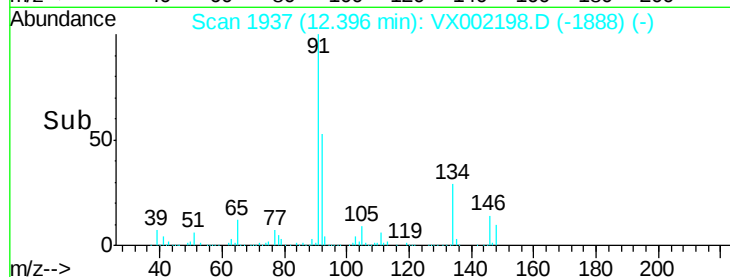
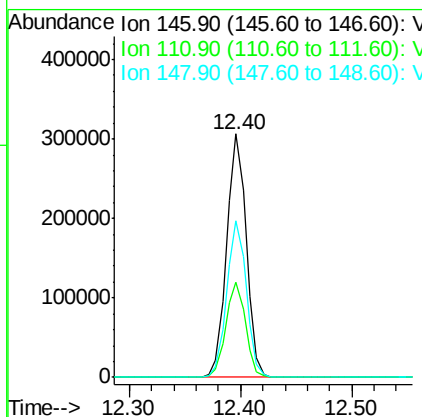
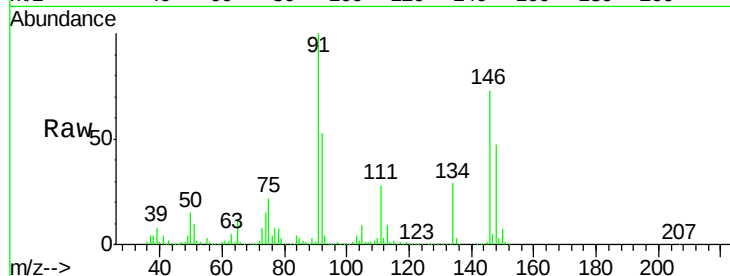
#91
 1,2-Dichlorobenzene
 Concen: 47.506 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	64.1	32.1	96.5

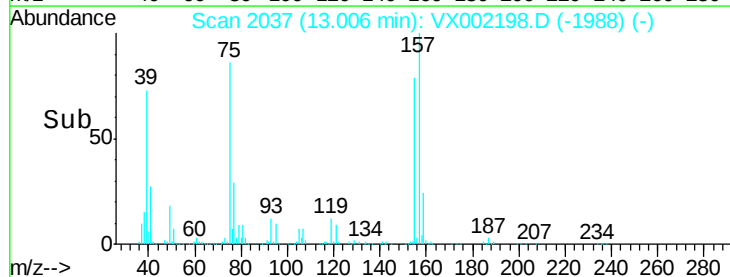
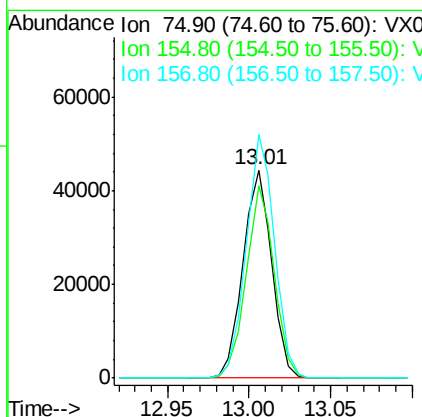
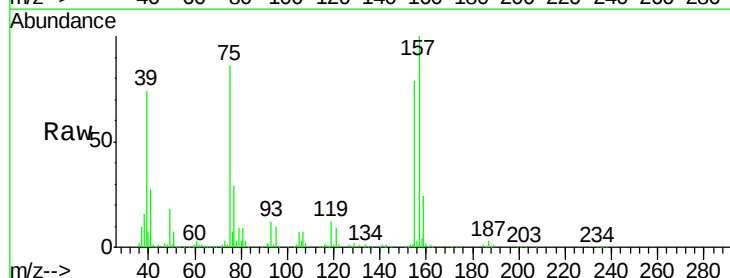
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.851 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002198.D
 Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	45.1	135.2
157	115.8	58.1	174.2





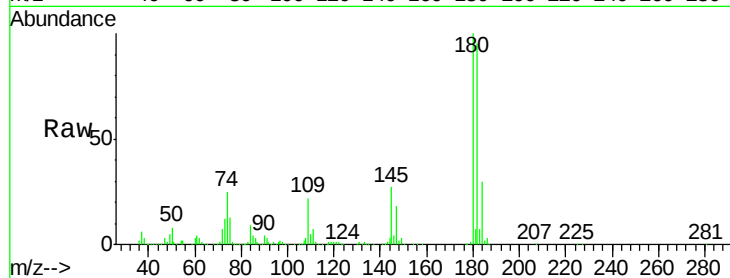
#93
1,2,4-Trichlorobenzene
Concen: 46.160 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

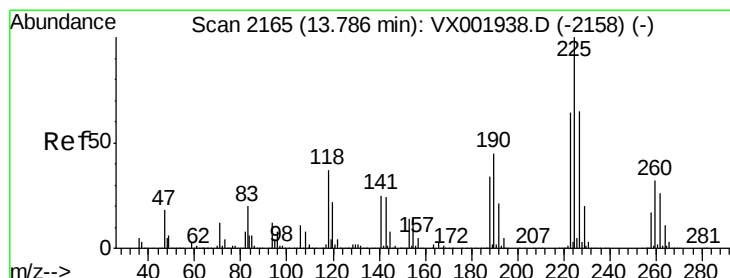
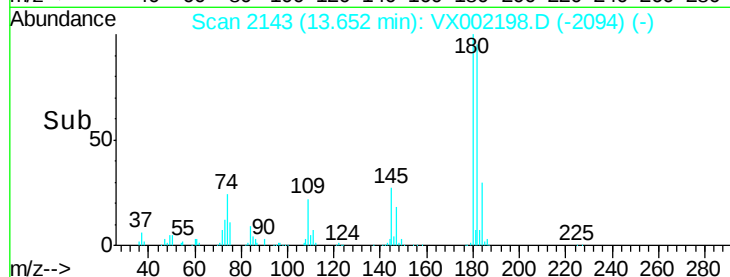
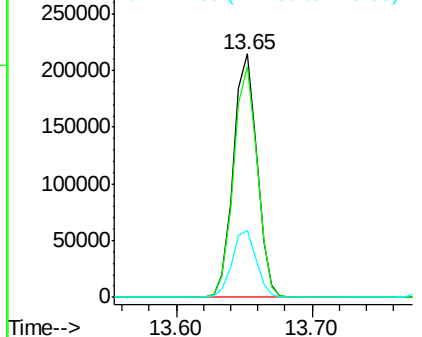
Tot Ion	Ratio	Resp	Lower	Upper
180	100	259097		
182	95.2	47.7	143.1	
145	28.0	14.4	43.0	

Manual Integrations
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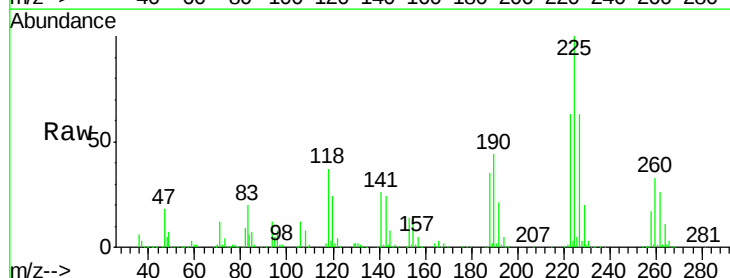


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

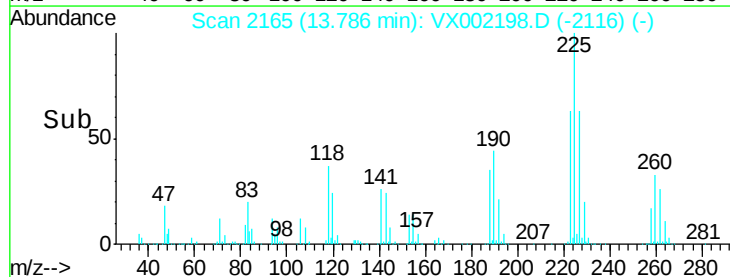
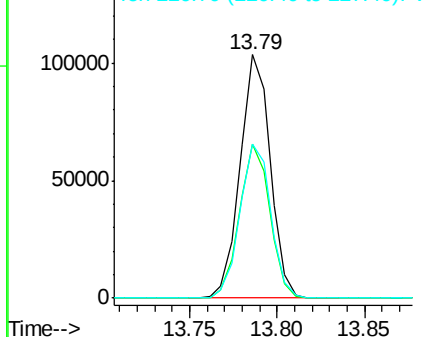


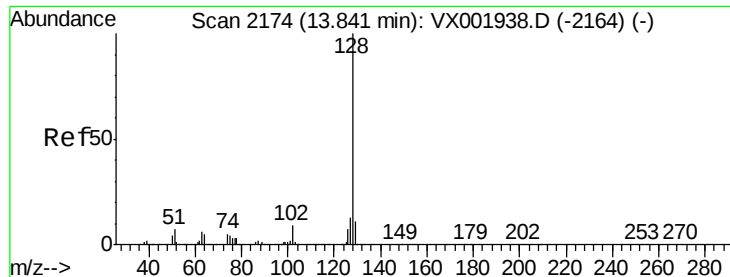
#94
Hexachlorobutadiene
Concen: 40.953 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX002198.D
Acq: 01 Jun 2018 01:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123654		
223	63.6	31.1	93.5	
227	64.7	32.1	96.5	



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





#95

Naphthalene

Concen: 46.192 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Instrument :

MSVOA_X

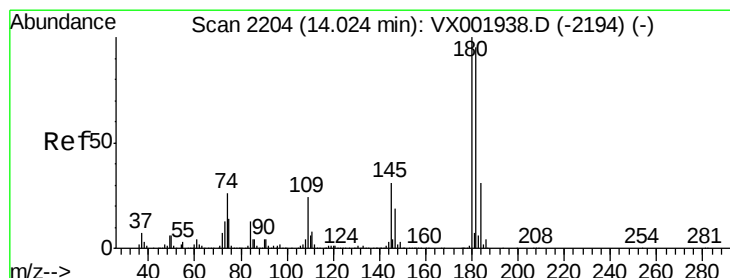
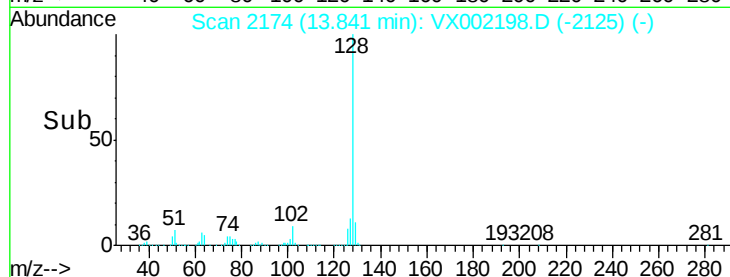
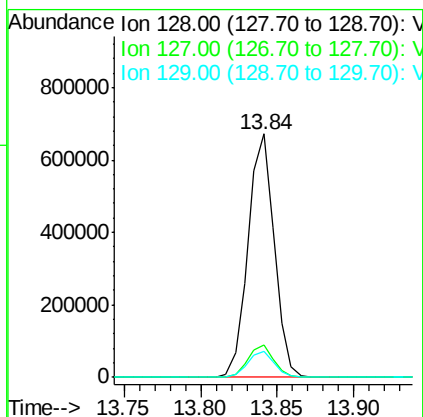
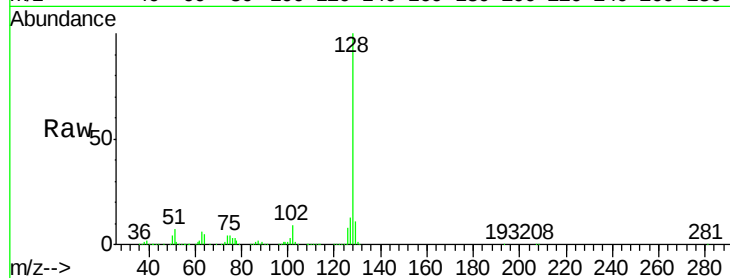
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	798805
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.487 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002198.D

Acq: 01 Jun 2018 01:42

Tgt Ion:	180	Resp:	269994
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.6
145	29.7	15.1	45.3

