

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
 Data File : VX003869.D
 Acq On : 06 Aug 2018 18:40
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 07 07:00:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 06:57:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	351777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	512653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	477022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	275323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	678152	149.45	ug/l	0.00
Spiked Amount			Recovery	=	298.90%	
35) Dibromofluoromethane	5.50	113	580883	145.93	ug/l	0.00
Spiked Amount			Recovery	=	291.86%	
50) Toluene-d8	8.72	98	2250540	146.36	ug/l	0.00
Spiked Amount			Recovery	=	292.72%	
62) 4-Bromofluorobenzene	11.14	95	793817	147.81	ug/l	0.00
Spiked Amount			Recovery	=	295.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	542547	157.045	ug/l	100
3) Chloromethane	1.32	50	690442	122.050	ug/l	99
4) Vinyl Chloride	1.40	62	698382	155.718	ug/l	99
5) Bromomethane	1.63	94	350624	145.116	ug/l	99
6) Chloroethane	1.70	64	330894	128.849	ug/l	98
7) Trichlorofluoromethane	1.91	101	920033	160.000	ug/l	98
8) Diethyl Ether	2.19	74	414004	165.236	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	567560	155.857	ug/l	99
10) Methyl Iodide	2.50	142	795305	163.462	ug/l	100
11) Tert butyl alcohol	3.11	59	841558	839.538	ug/l	100
12) 1,1-Dichloroethene	2.36	96	545193	154.689	ug/l	99
13) Acrolein	2.29	56	424567	556.032	ug/l	100
14) Allyl chloride	2.72	41	1071221	163.161	ug/l	99
15) Acrylonitrile	3.15	53	1964866	822.755	ug/l	100
16) Acetone	2.45	43	1915749	782.485	ug/l	99
17) Carbon Disulfide	2.56	76	1620466	162.732	ug/l	99
18) Methyl Acetate	2.78	43	876410	156.270	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1978710	162.430	ug/l	100
20) Methylene Chloride	2.85	84	639712	149.643	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	601702	154.915	ug/l	99
22) Diisopropyl ether	3.88	45	1933520	154.645	ug/l	96
23) Vinyl Acetate	3.82	43	8417113	812.538	ug/l	100
24) 1,1-Dichloroethane	3.69	63	1142316	161.257	ug/l	100
25) 2-Butanone	4.71	43	3095892	759.968	ug/l	99
26) 2,2-Dichloropropane	4.58	77	823120	168.983	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	690830	157.491	ug/l	96
28) Bromochloromethane	5.02	49	493569	150.358	ug/l	100
29) Tetrahydrofuran	5.17	42	1600793	771.049	ug/l	99
30) Chloroform	5.21	83	1091316	150.074	ug/l	98
31) Cyclohexane	5.57	56	1003100	163.339	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	960611	158.308	ug/l	99
36) 1,1-Dichloropropene	5.79	75	854576	153.941	ug/l	100
37) Ethyl Acetate	4.87	43	942643	149.106	ug/l	99
38) Carbon Tetrachloride	5.78	117	843500	152.883	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1053936	165.941	ug/l	98
40) Benzene	6.14	78	2514874	147.865	ug/l	98
41) Methacrylonitrile	5.07	41	529290	155.116	ug/l	100
42) 1,2-Dichloroethane	6.20	62	848327	149.084	ug/l	100
43) Isopropyl Acetate	6.47	43	1525436	160.832	ug/l	99
44) Trichloroethene	7.21	130	690496	150.392	ug/l	98
45) 1,2-Dichloropropane	7.52	63	660208	149.977	ug/l	100
46) Dibromomethane	7.67	93	430736	152.358	ug/l	100
47) Bromodichloromethane	7.90	83	860196	161.024	ug/l	100
48) Methyl methacrylate	7.78	41	795197	165.943	ug/l	99
49) 1,4-Dioxane	7.76	88	366022	3227.518	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	6293354	796.526	ug/l	97
52) Toluene	8.79	92	1658340	157.734	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1026986	175.691	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	1076092	168.704	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	669461	151.642	ug/l	100
56) Ethyl methacrylate	9.18	69	1120109	181.040	ug/l	99
57) 1,3-Dichloropropane	9.38	76	1130041	157.654	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	2653605	839.791	ug/l	100
59) 2-Hexanone	9.51	43	4863657	807.224	ug/l	99
60) Dibromochloromethane	9.59	129	687800	160.267	ug/l	99
61) 1,2-Dibromoethane	9.68	107	696290	154.829	ug/l	96
64) Tetrachloroethene	9.34	164	647043	146.499	ug/l	95
65) Chlorobenzene	10.14	112	1760842	148.070	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.23	131	654266	156.786	ug/l	99
67) Ethyl Benzene	10.26	91	3100140	162.098	ug/l	96
68) m/p-Xylenes	10.36	106	2410213	323.146	ug/l	92
69) o-Xylene	10.70	106	1150094	160.549	ug/l	91
70) Styrene	10.71	104	1946474	165.119	ug/l	97
71) Bromoform	10.86	173	571153	168.401	ug/l	97
73) Isopropylbenzene	11.02	105	2996377	162.911	ug/l	98
74) N-amyl acetate	6.47	43	1525436	169.162	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	1057991	164.225	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	1235444	221.308	ug/l	86
77) Bromobenzene	11.26	156	788772	157.012	ug/l	99
78) n-propylbenzene	11.37	91	3493078	170.546	ug/l	99
79) 2-Chlorotoluene	11.43	91	2182131	174.411	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	2626743	174.858	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	343527	191.961	ug/l	93
82) 4-Chlorotoluene	11.51	91	2544280	175.693	ug/l	99
83) tert-Butylbenzene	11.77	119	2485825	163.264	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	2567334	165.760	ug/l	98
85) sec-Butylbenzene	11.95	105	2896533	162.705	ug/l	99
86) p-Isopropyltoluene	12.07	119	2635620	164.391	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1417179	150.647	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1445508	148.959	ug/l	100
89) n-Butylbenzene	12.39	91	2354495	170.200	ug/l	98
90) Hexachloroethane	12.60	117	453834	174.540	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1455681	151.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	228762	161.011	ug/l	99

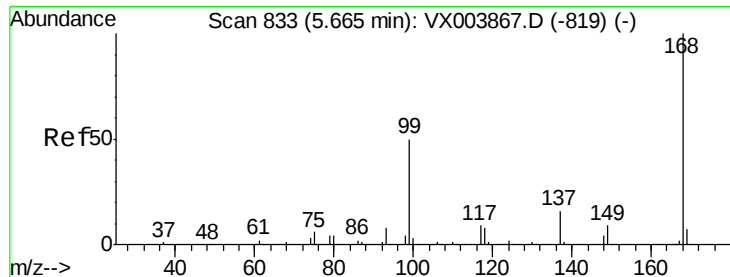
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1087073	160.077	ug/l	99
94) Hexachlorobutadiene	13.79	225	478922	145.925	ug/l	100
95) Naphthalene	13.83	128	3313506	168.222	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1084419	154.351	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

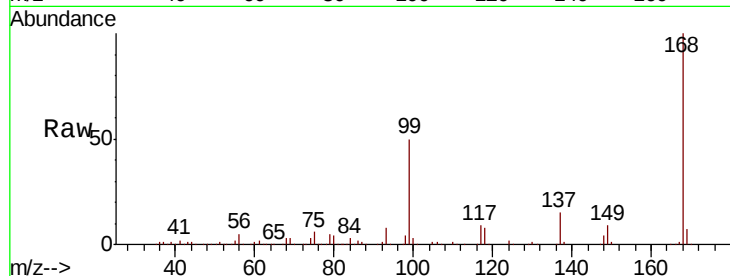
VSTDIC150

Tot Ion:168 Resp: 351777

Ion Ratio Lower Upper

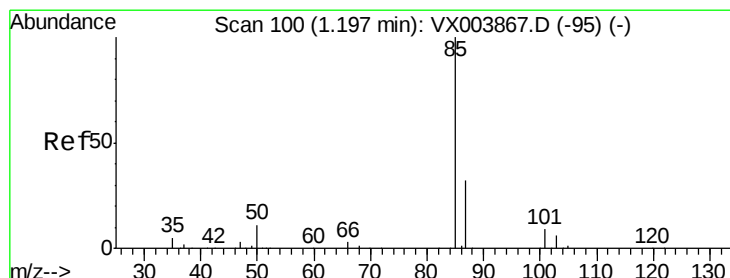
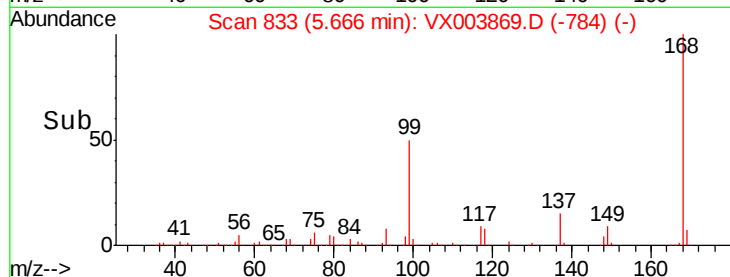
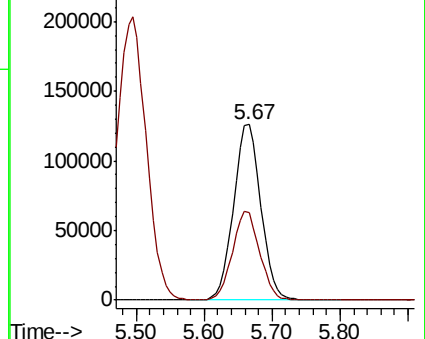
168 100

99 50.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 157.045 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003869.D

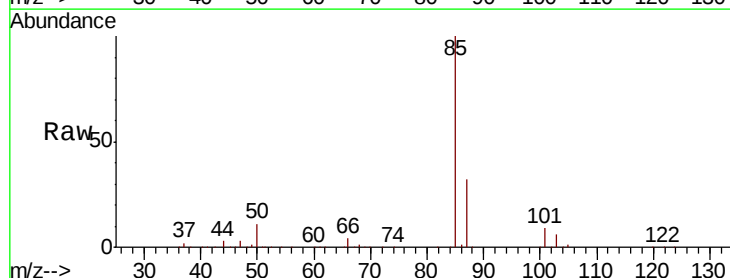
Acq: 06 Aug 2018 18:40

Tgt Ion: 85 Resp: 542547

Ion Ratio Lower Upper

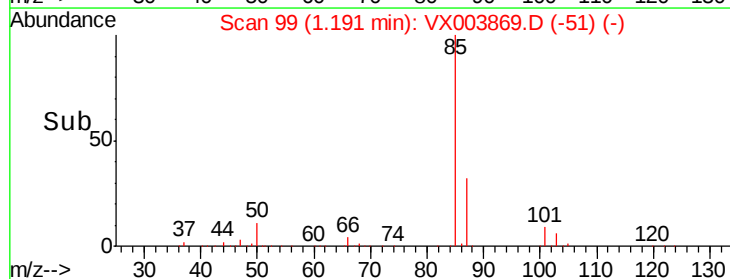
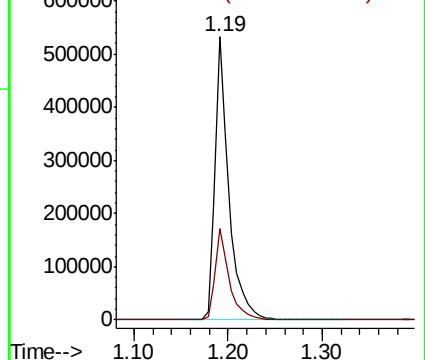
85 100

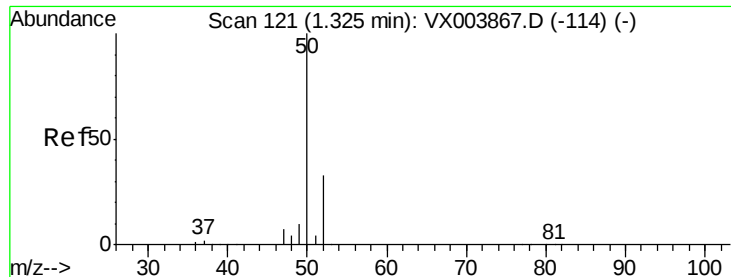
87 32.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 122.050 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

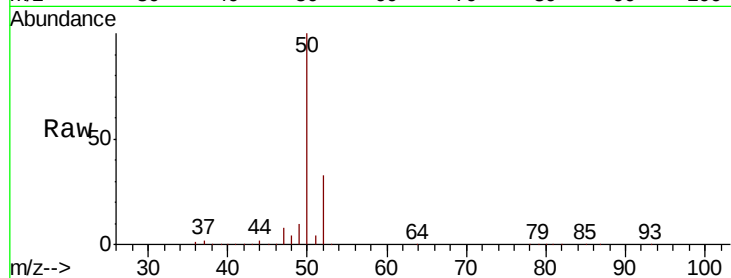
VSTDIC150

Tot Ion: 50 Resp: 690442

Ion Ratio Lower Upper

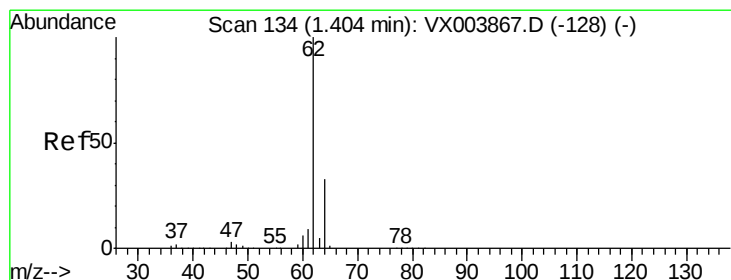
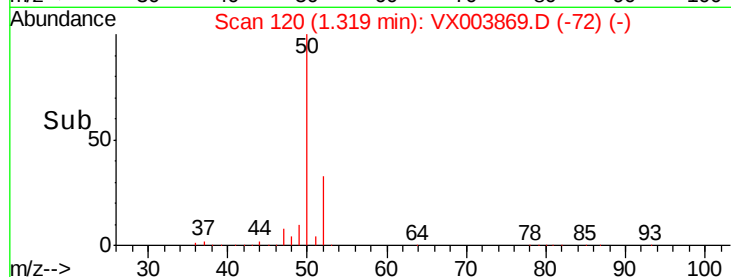
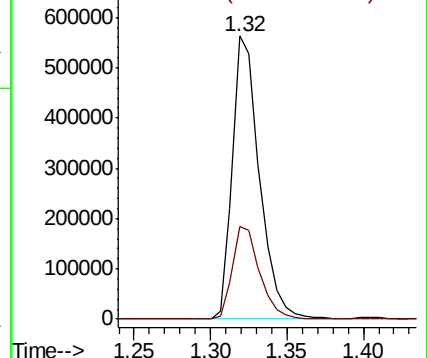
50 100

52 32.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 155.718 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003869.D

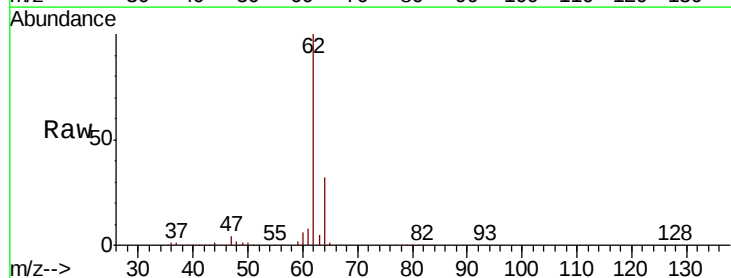
Acq: 06 Aug 2018 18:40

Tgt Ion: 62 Resp: 698382

Ion Ratio Lower Upper

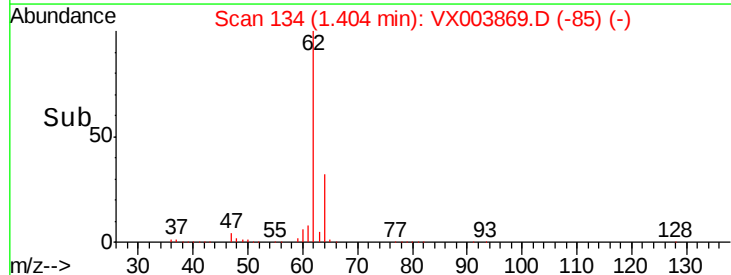
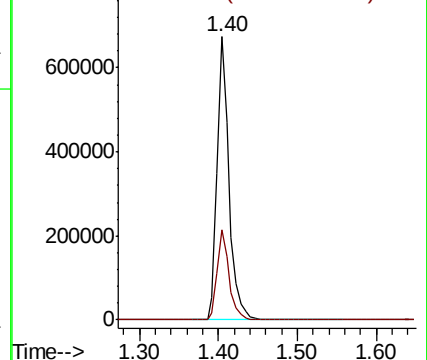
62 100

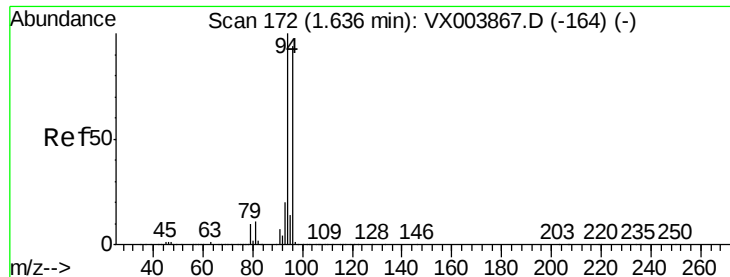
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 145.116 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

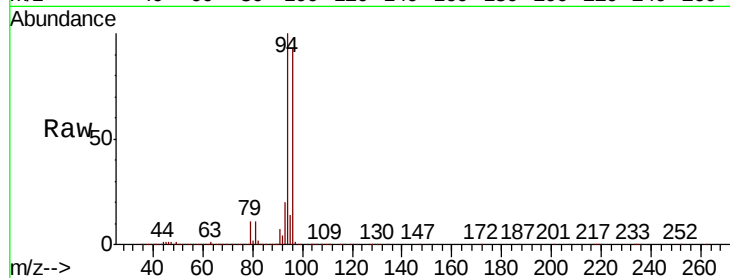
VSTDIC150

Tot Ion: 94 Resp: 350624

Ion Ratio Lower Upper

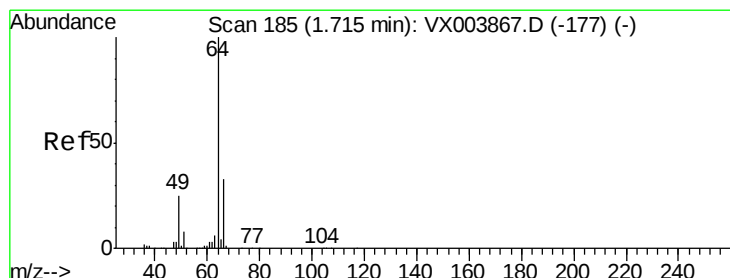
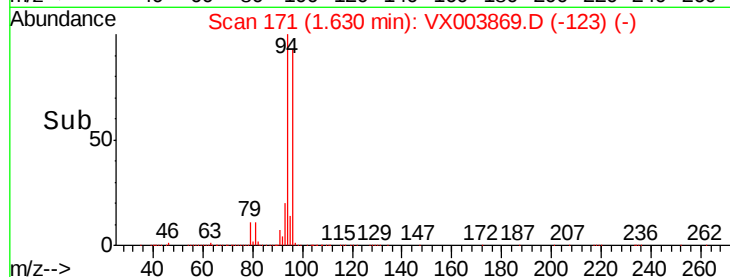
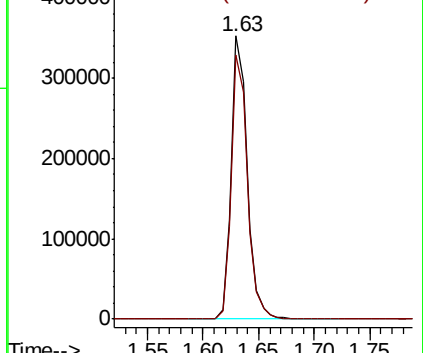
94 100

96 93.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 128.849 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003869.D

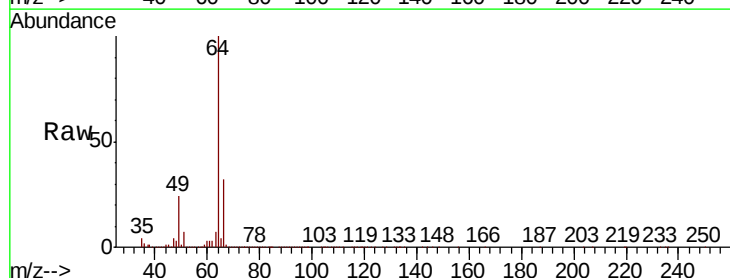
Acq: 06 Aug 2018 18:40

Tgt Ion: 64 Resp: 330894

Ion Ratio Lower Upper

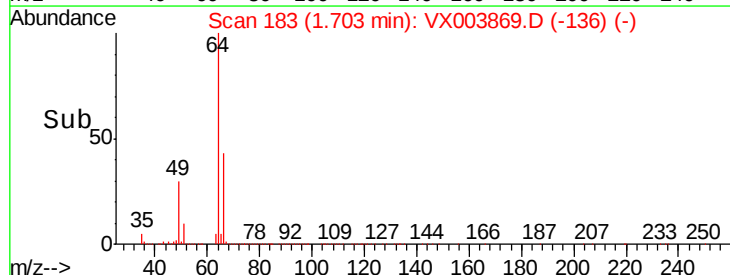
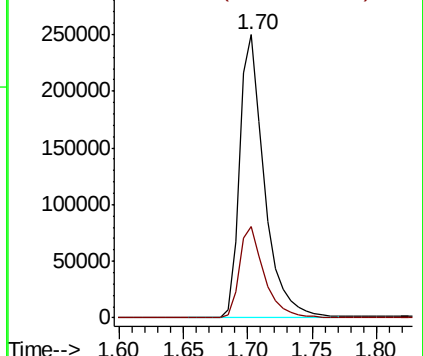
64 100

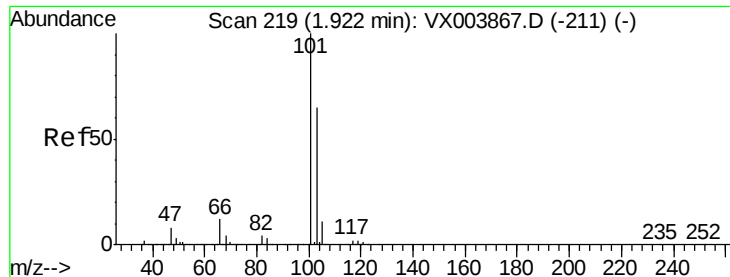
66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



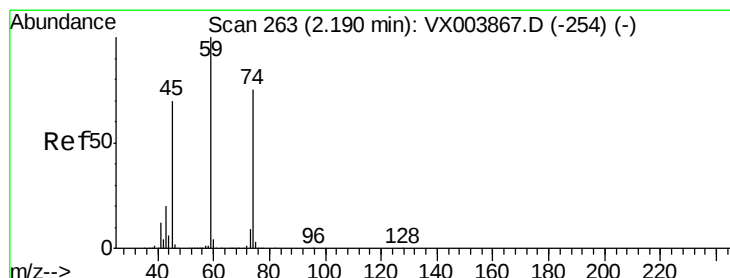
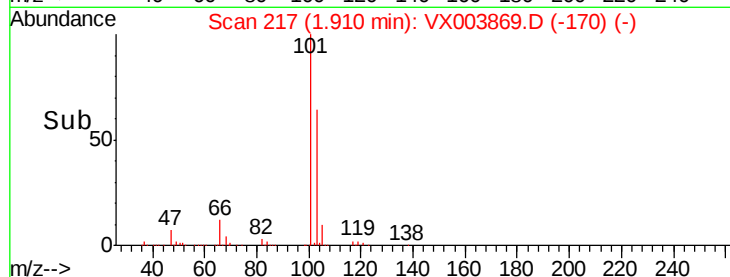
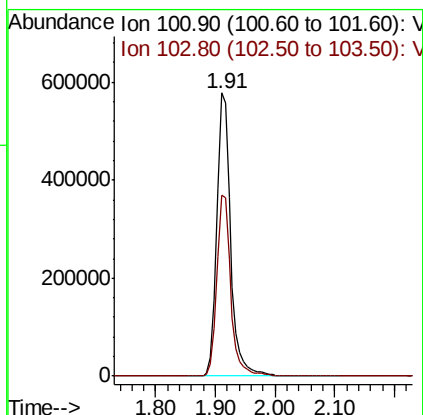
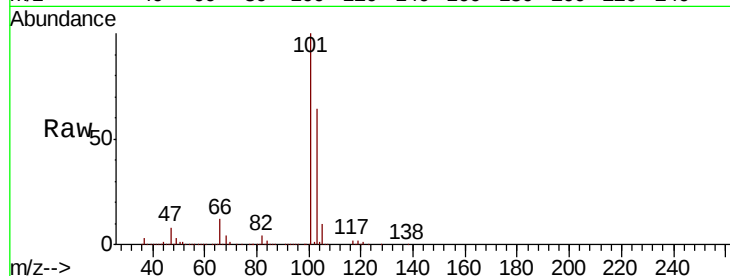


#7

Trichlorofluoromethane
 Concen: 160.000 ug/l
 RT: 1.91 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Instrument :
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 VSTDIC150

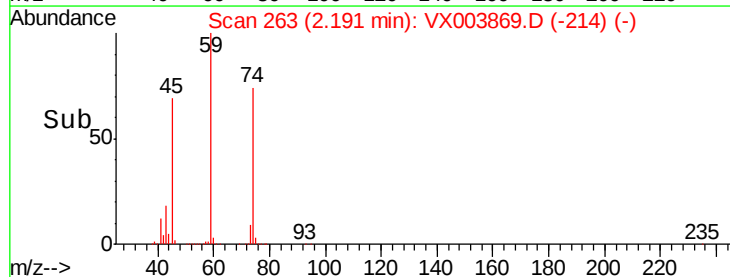
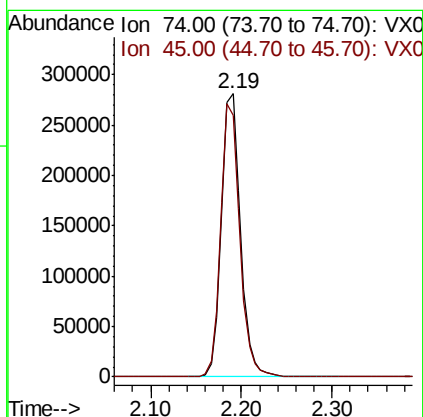
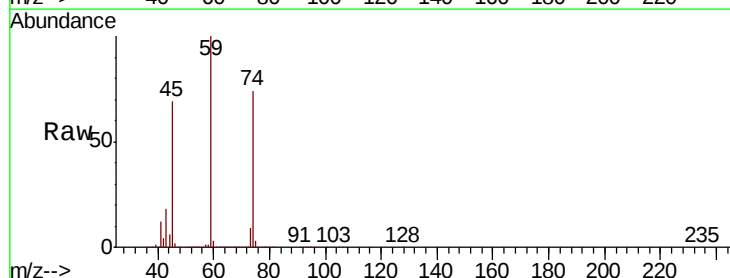
Tot Ion:101 Resp: 920033
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.3 78.5

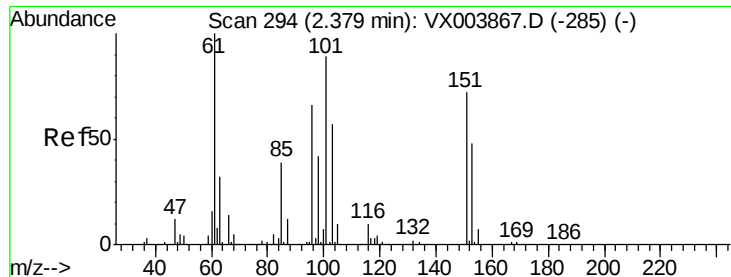


#8

Diethyl Ether
 Concen: 165.236 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 74 Resp: 414004
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 155.857 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

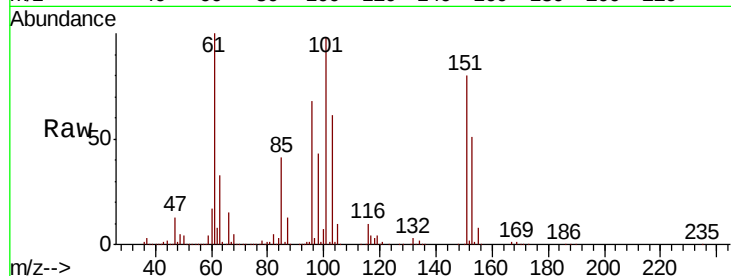
Tot Ion:101 Resp: 567560

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

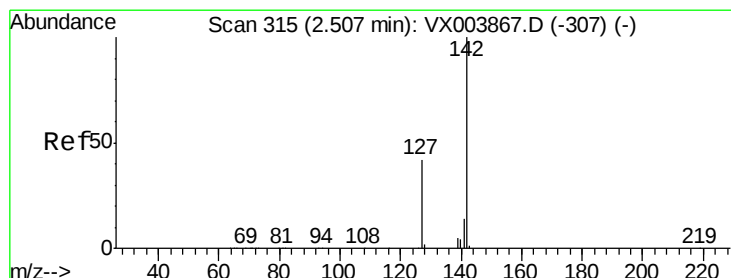
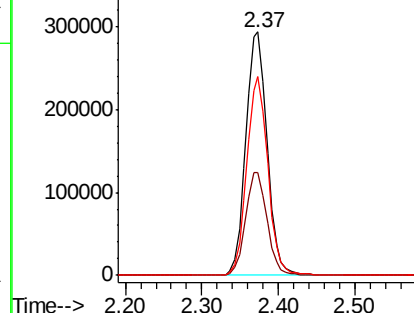
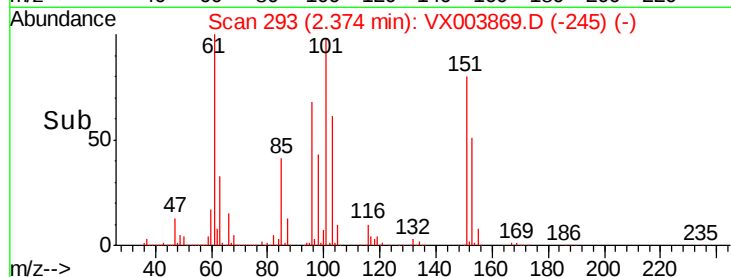
151 80.4 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 163.462 ug/l

RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

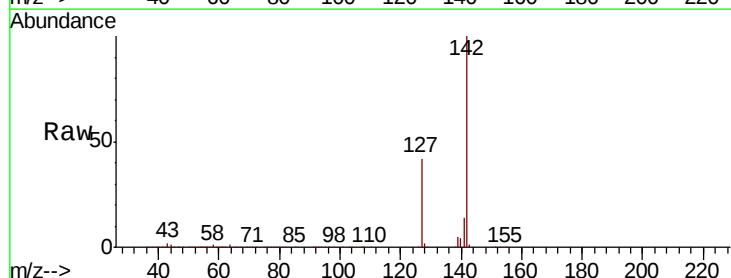
Tgt Ion:142 Resp: 795305

Ion Ratio Lower Upper

142 100

127 41.3 33.1 49.7

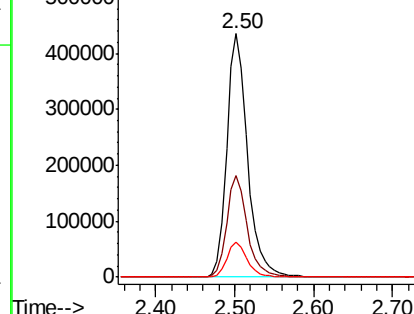
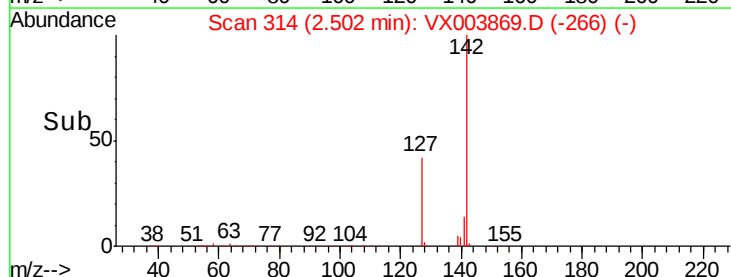
141 14.1 11.1 16.7

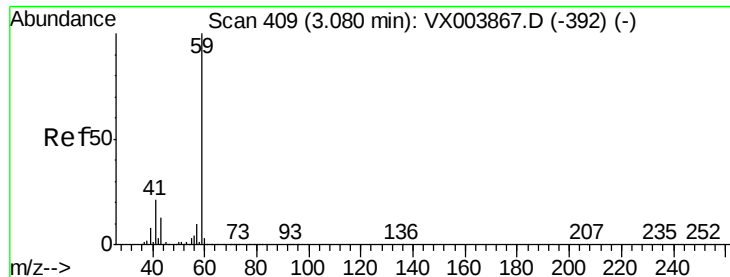


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



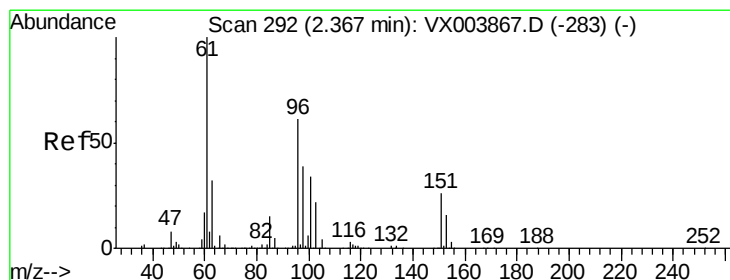
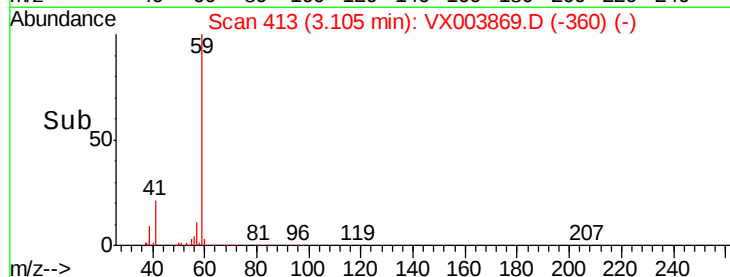
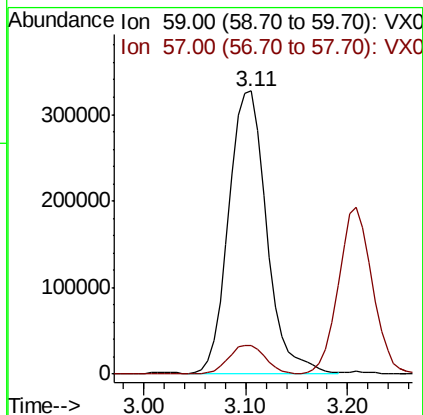
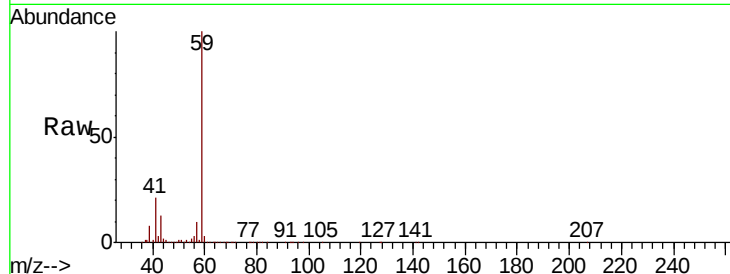


#11

Tert butyl alcohol
Concen: 839.538 ug/l
RT: 3.11 min Scan# 413
Delta R.T. 0.02 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

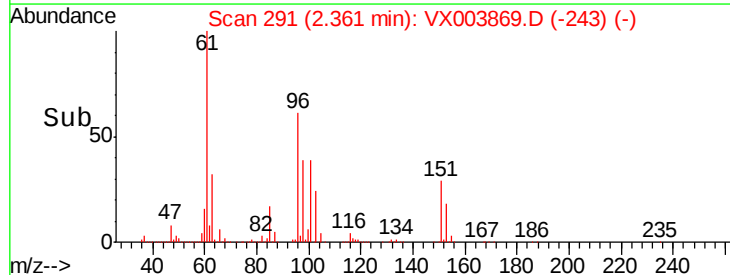
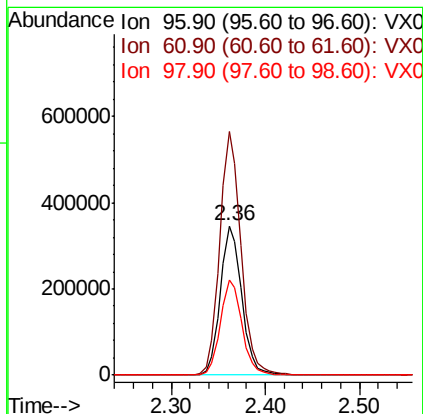
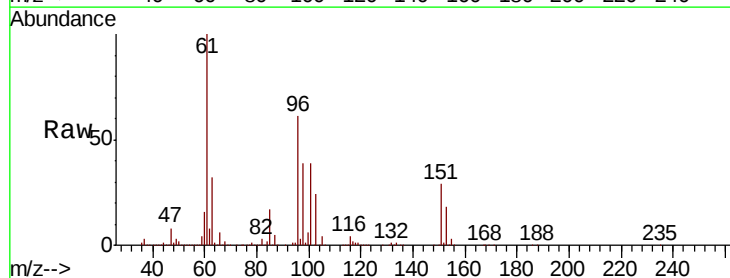
Tot Ion: 59 Resp: 841558
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1

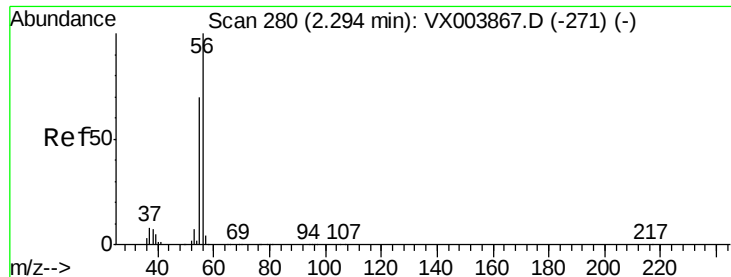


#12

1,1-Dichloroethene
Concen: 154.689 ug/l
RT: 2.36 min Scan# 291
Delta R.T. -0.01 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion: 96 Resp: 545193
Ion Ratio Lower Upper
96 100
61 163.2 131.3 196.9
98 63.6 51.8 77.6





#13

Acrolein

Concen: 556.032 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

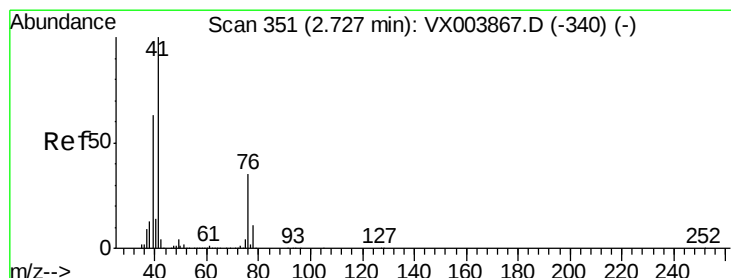
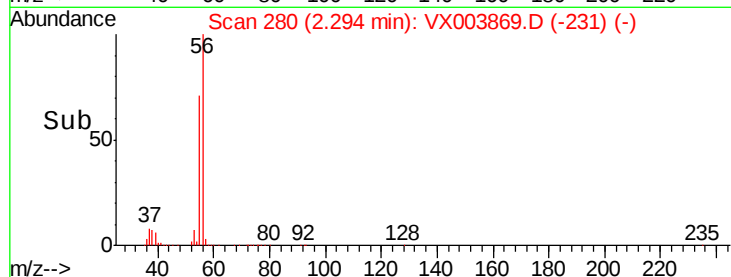
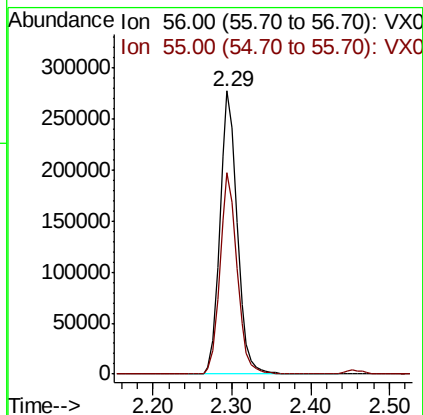
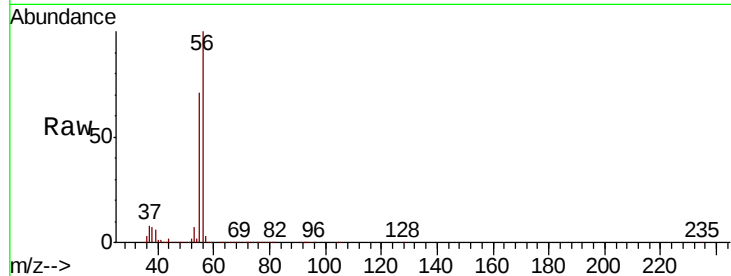
VSTDIC150

Tot Ion: 56 Resp: 424567

Ion Ratio Lower Upper

56 100

55 70.3 56.1 84.1



#14

Allyl chloride

Concen: 163.161 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

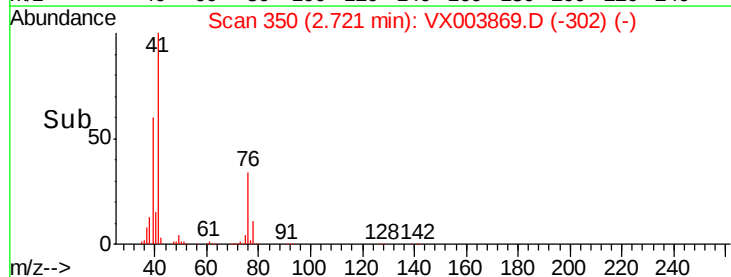
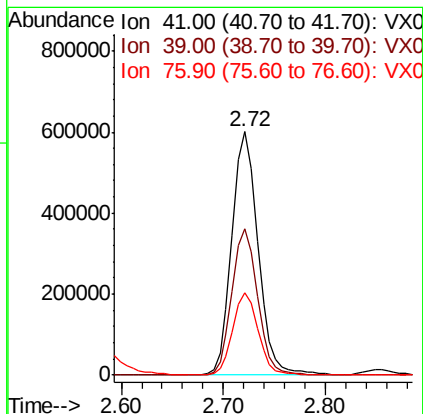
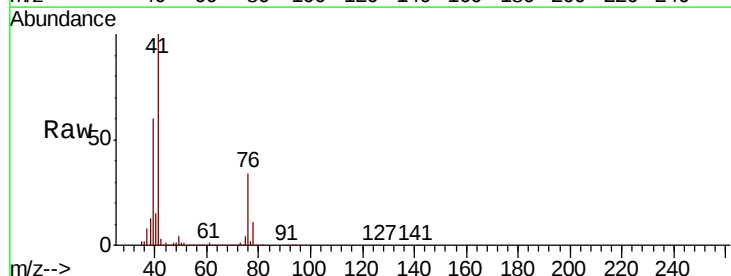
Tgt Ion: 41 Resp: 1071221

Ion Ratio Lower Upper

41 100

39 58.7 47.4 71.0

76 32.7 26.0 39.0





#15

Acrylonitrile

Concen: 822.755 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

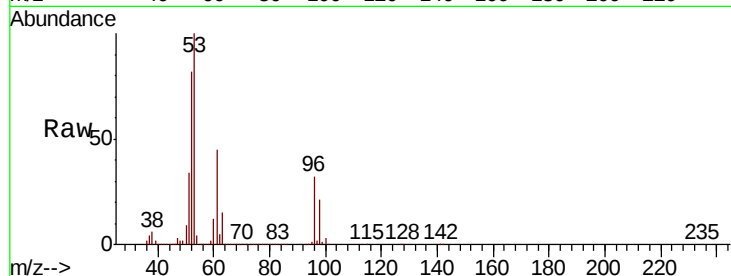
MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1964866

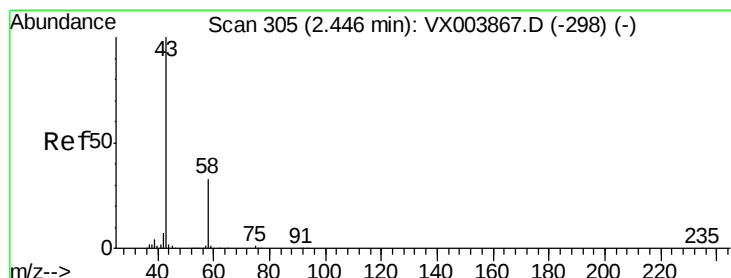
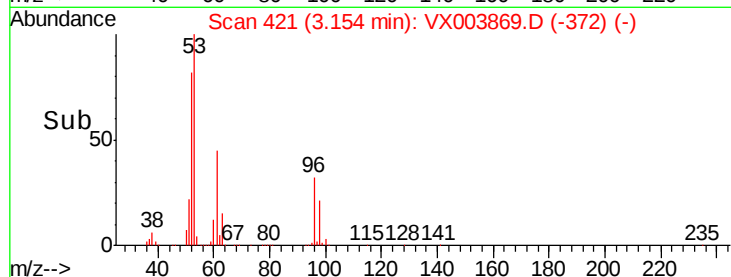
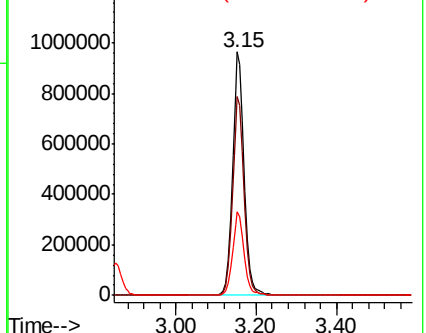
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.3	97.9
51	34.8	27.9	41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 782.485 ug/l

RT: 2.45 min Scan# 306

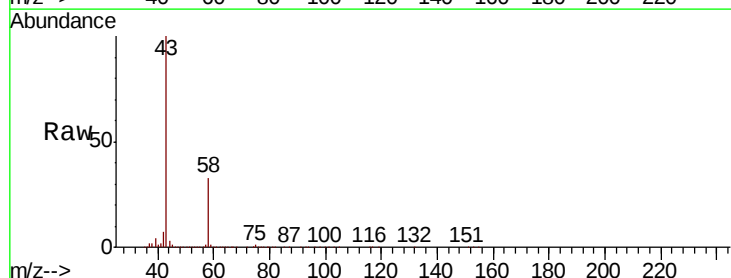
Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

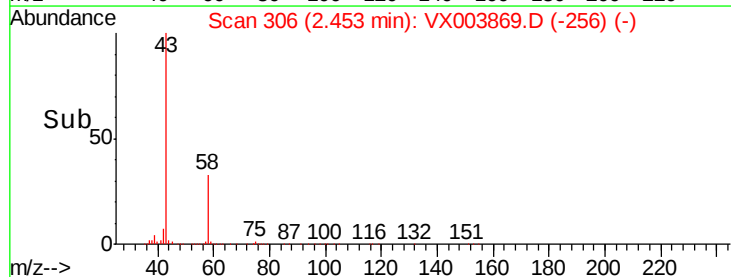
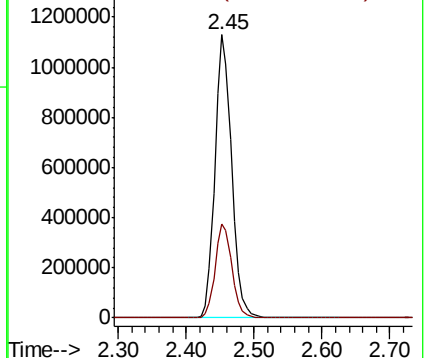
Tgt Ion: 43 Resp: 1915749

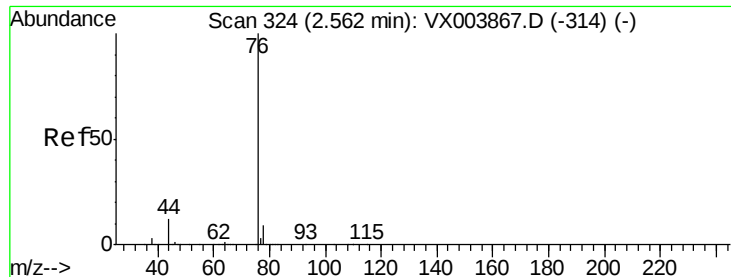
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.4	39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 162.732 ug/l

RT: 2.56 min Scan# 323

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

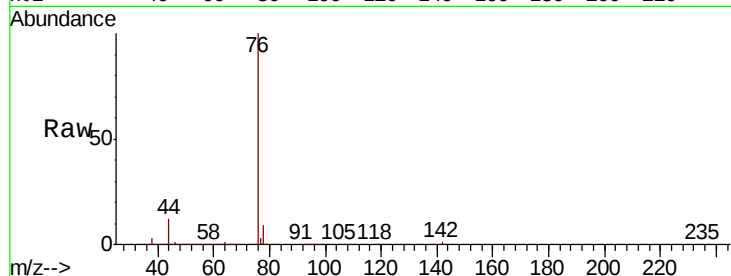
VSTDIC150

Tot Ion: 76 Resp: 1620466

Ion Ratio Lower Upper

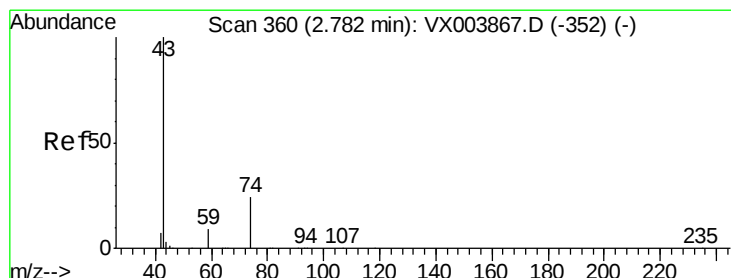
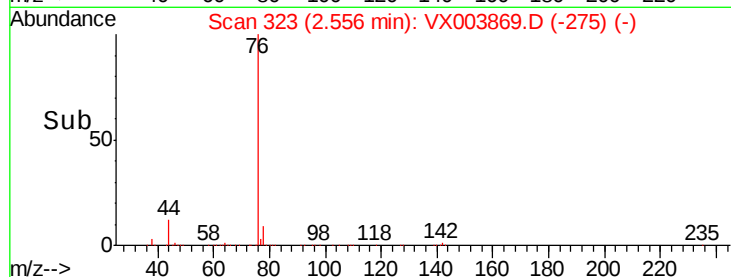
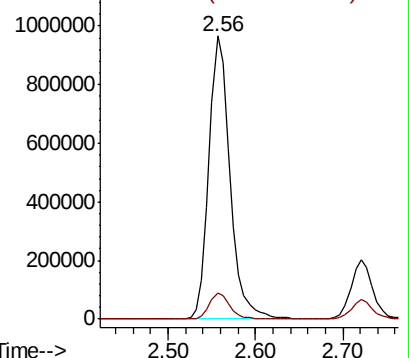
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 156.270 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003869.D

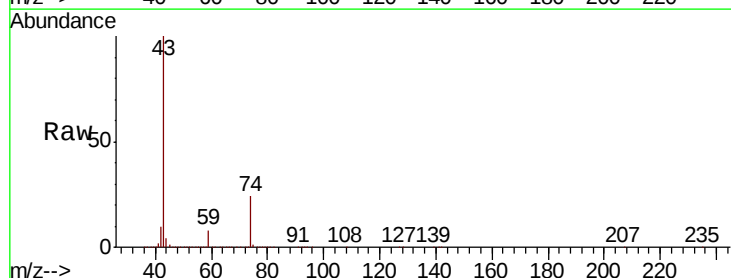
Acq: 06 Aug 2018 18:40

Tgt Ion: 43 Resp: 876410

Ion Ratio Lower Upper

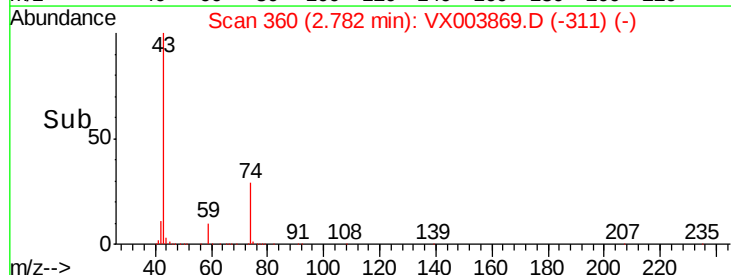
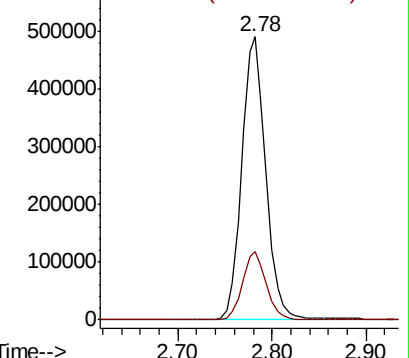
43 100

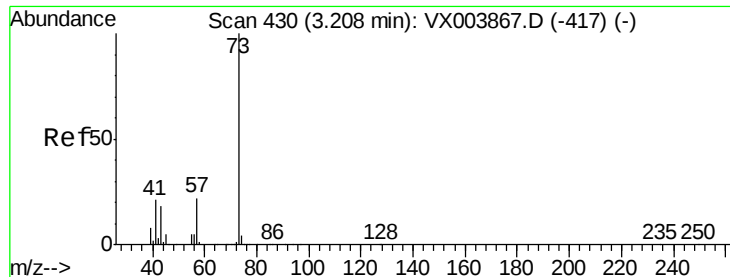
74 23.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

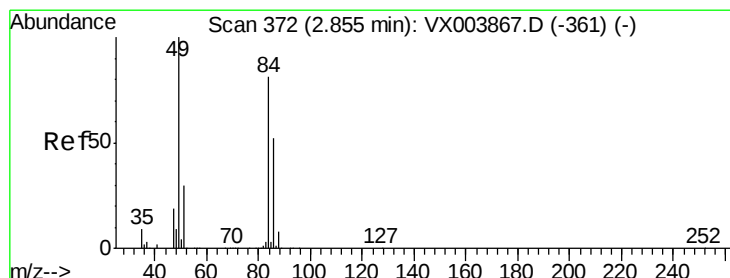
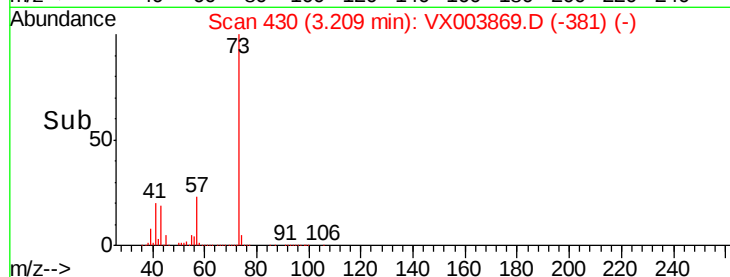
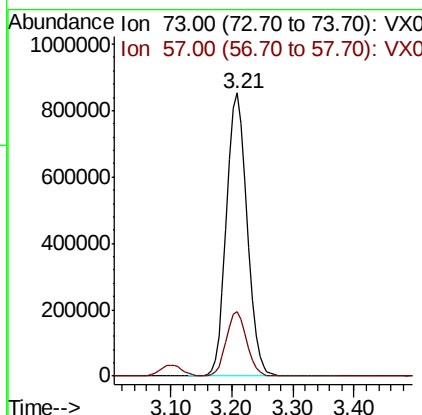
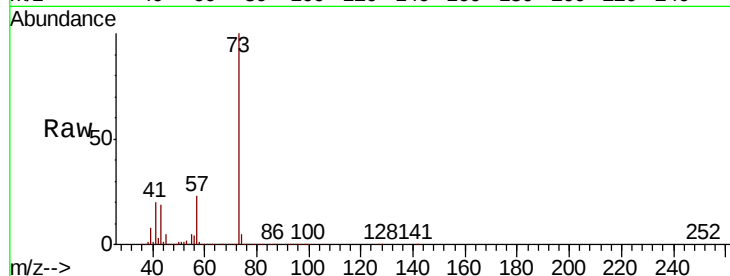




#19
Methyl tert-butyl Ether
Concen: 162.430 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

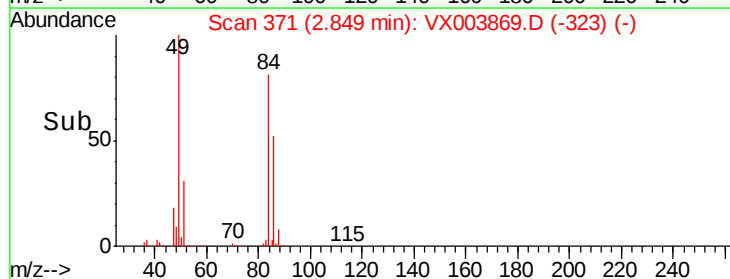
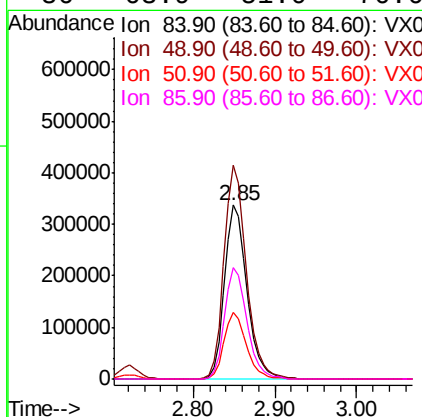
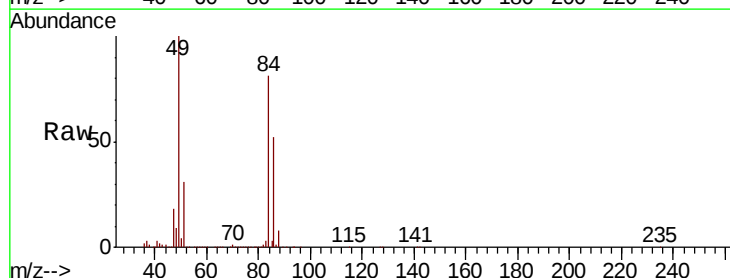
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

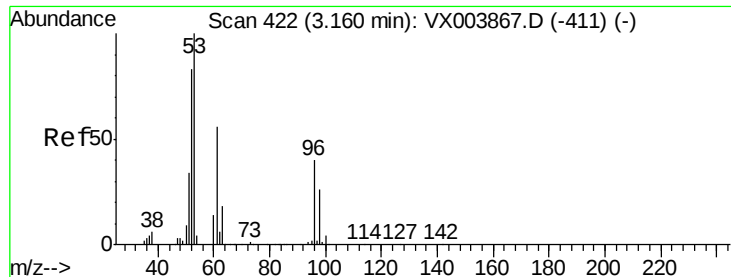
Tot Ion: 73 Resp: 1978710
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0



#20
Methylene Chloride
Concen: 149.643 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion: 84 Resp: 639712
Ion Ratio Lower Upper
84 100
49 123.1 98.9 148.3
51 38.7 29.9 44.9
86 63.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 154.915 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

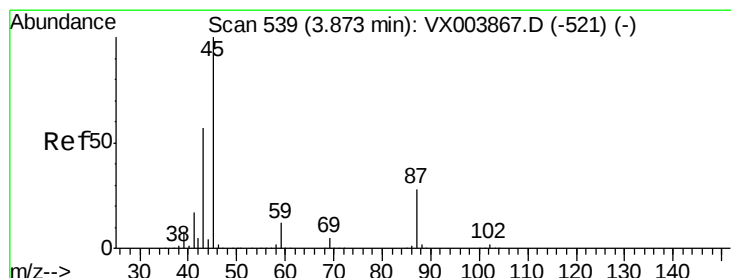
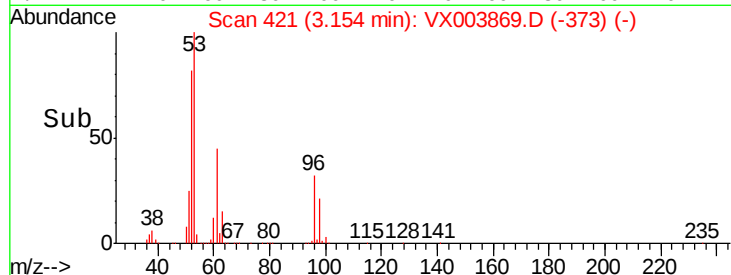
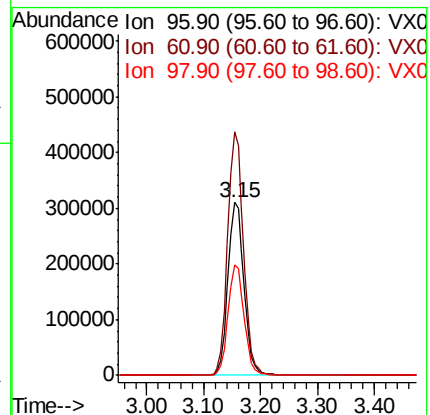
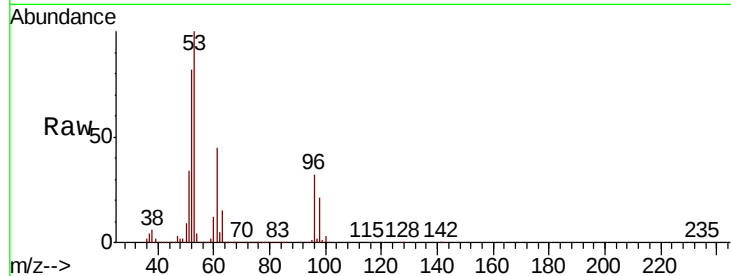
Tot Ion: 96 Resp: 601702

Ion Ratio Lower Upper

96 100

61 140.9 111.8 167.6

98 63.8 51.8 77.6



#22

Diisopropyl ether

Concen: 154.645 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Tgt Ion: 45 Resp: 1933520

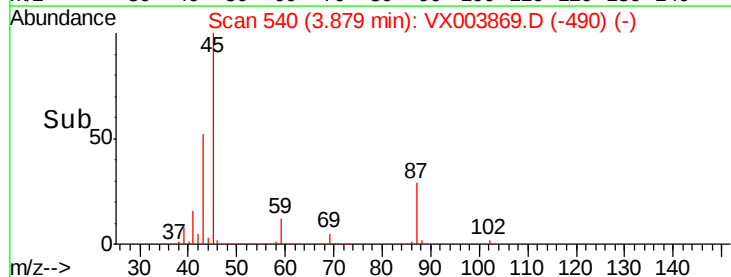
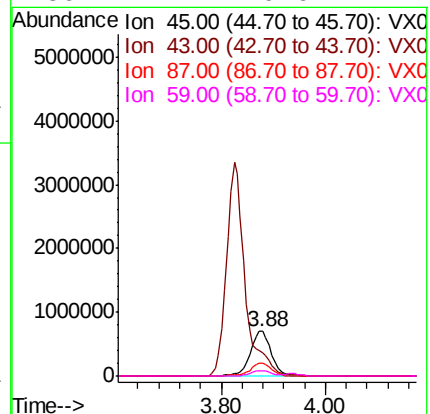
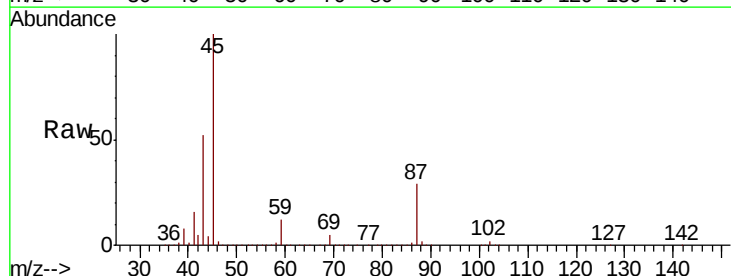
Ion Ratio Lower Upper

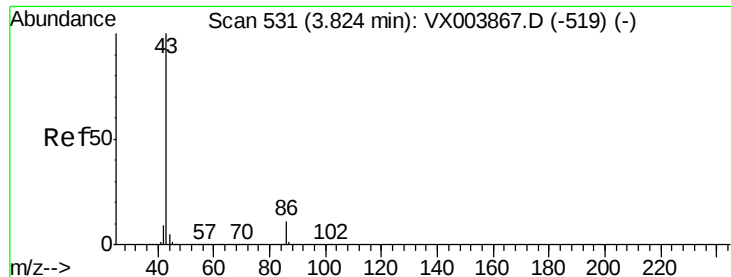
45 100

43 52.3 45.3 67.9

87 29.3 22.7 34.1

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 812.538 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

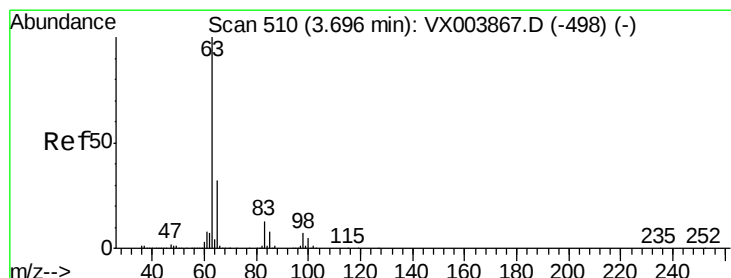
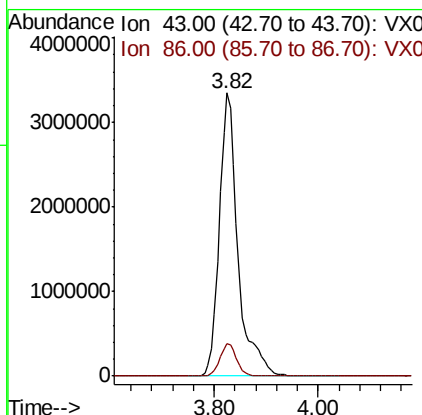
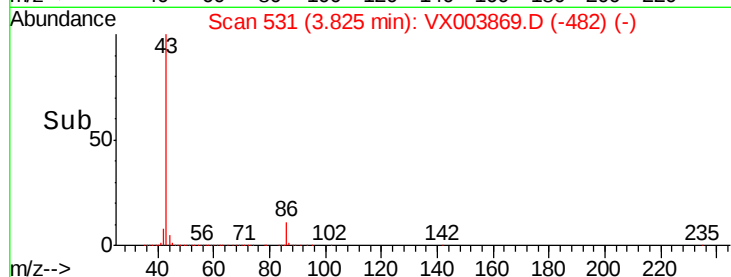
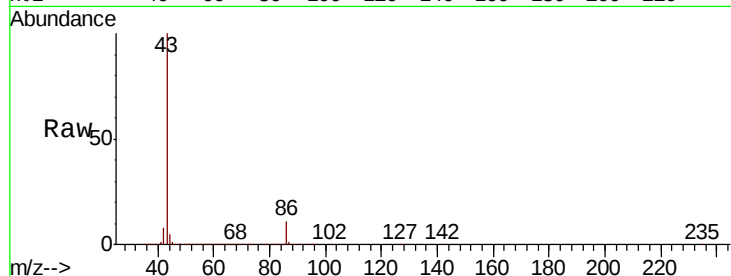
VSTDIC150

Tot Ion: 43 Resp: 8417113

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3



#24

1,1-Dichloroethane

Concen: 161.257 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

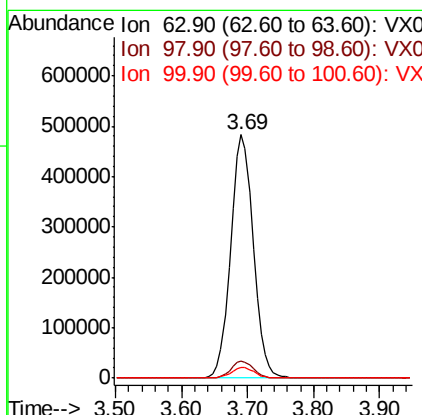
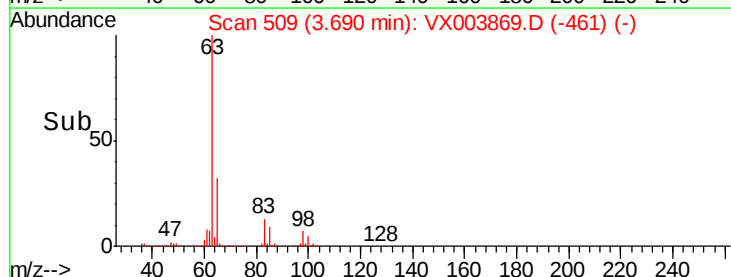
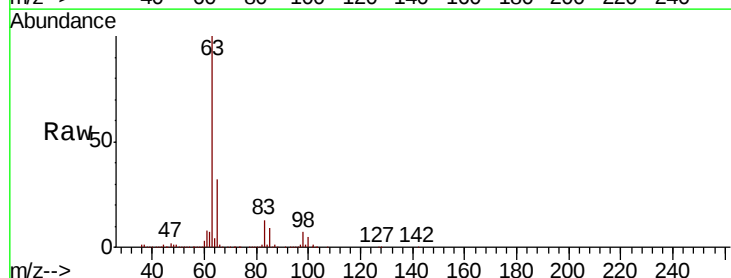
Tgt Ion: 63 Resp: 1142316

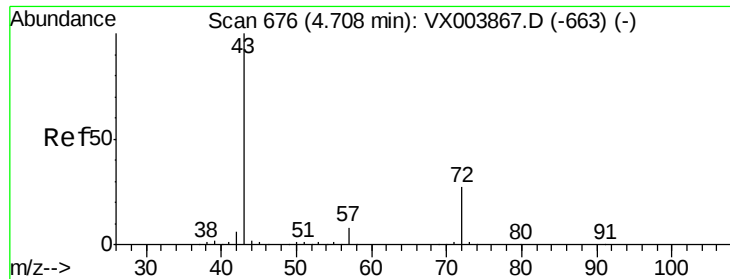
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 759.968 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

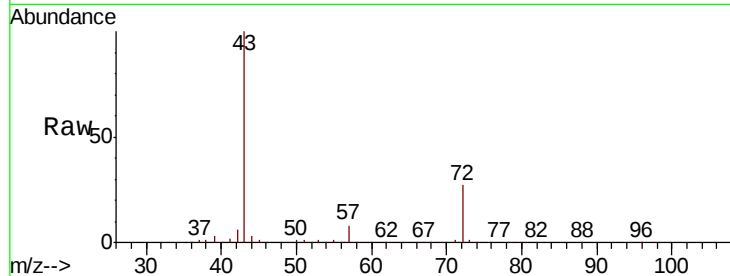
VSTDIC150

Tot Ion: 43 Resp: 3095892

Ion Ratio Lower Upper

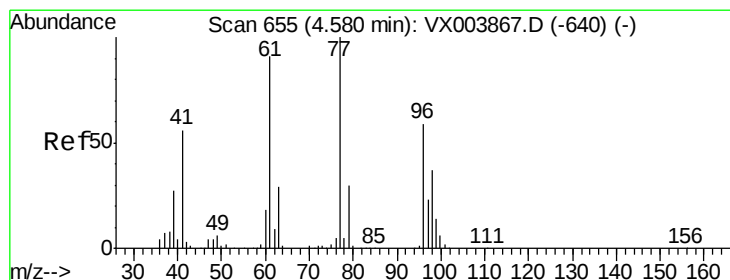
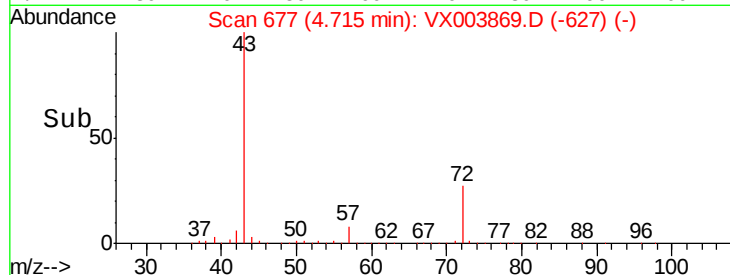
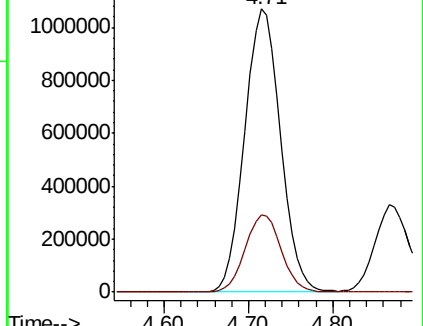
43 100

72 27.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 168.983 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003869.D

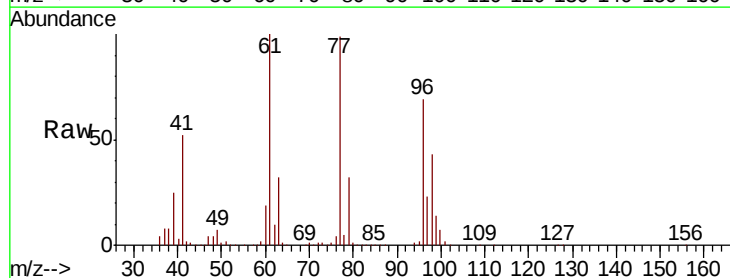
Acq: 06 Aug 2018 18:40

Tgt Ion: 77 Resp: 823120

Ion Ratio Lower Upper

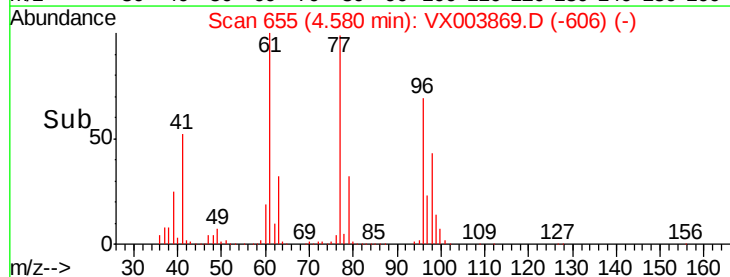
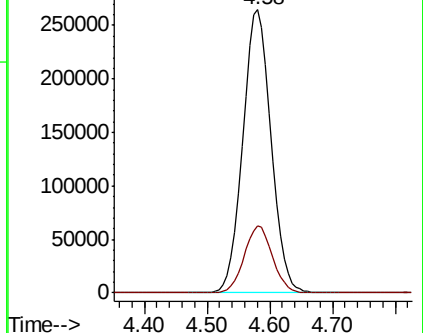
77 100

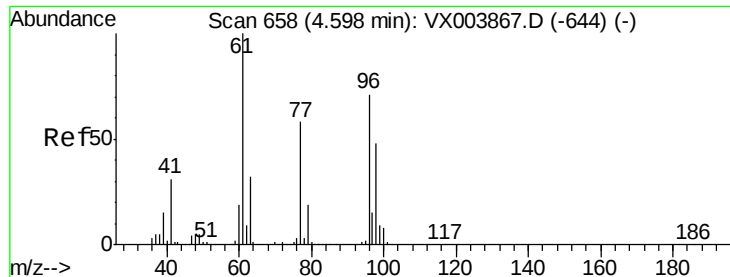
97 23.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



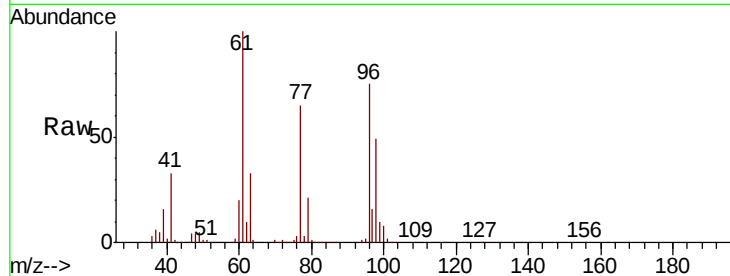


#27

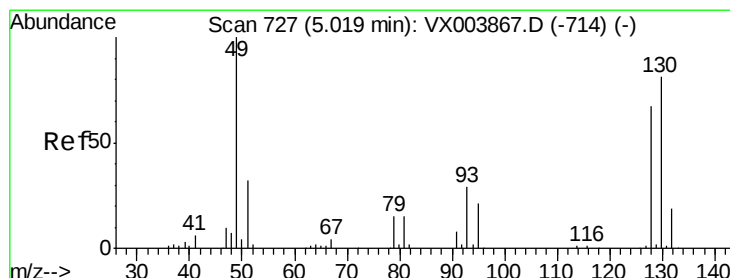
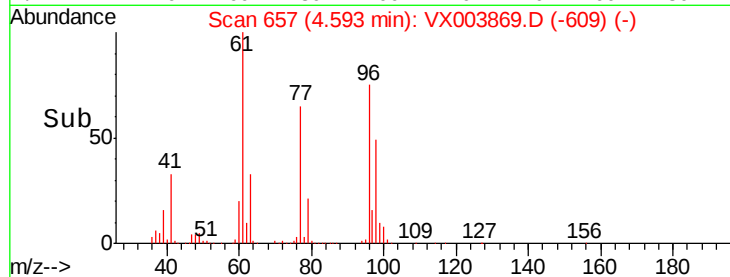
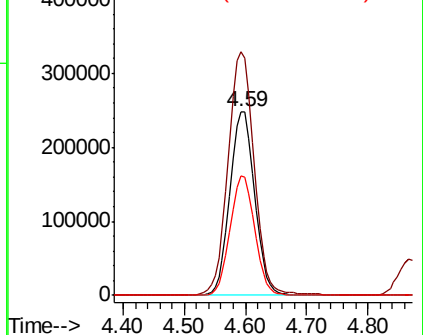
cis-1,2-Dichloroethene
Concen: 157.491 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	293.0
98	64.5	0.0	131.8



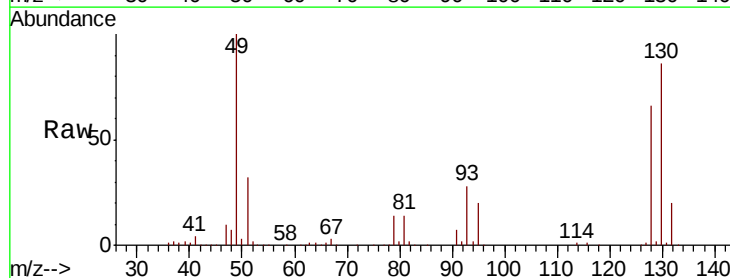
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



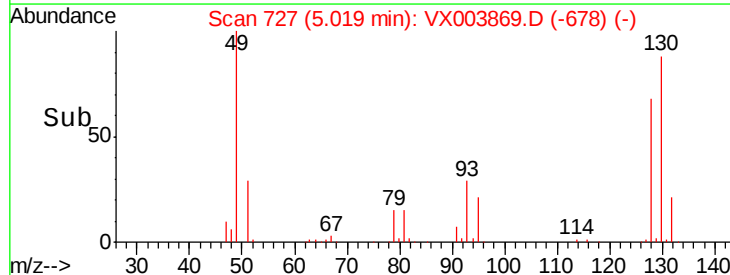
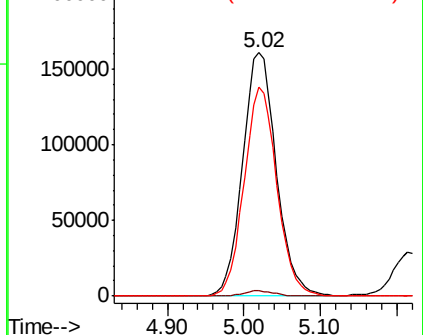
#28

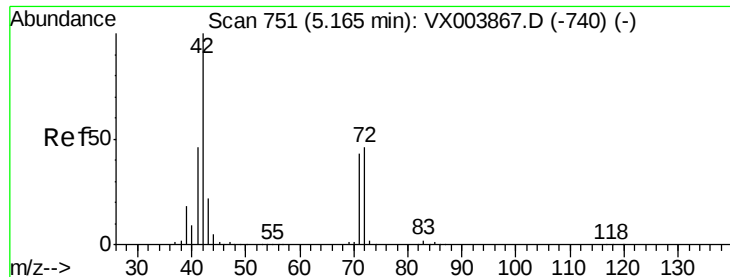
Bromochloromethane
Concen: 150.358 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.5	66.5	99.7



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





#29

Tetrahydrofuran

Concen: 771.049 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

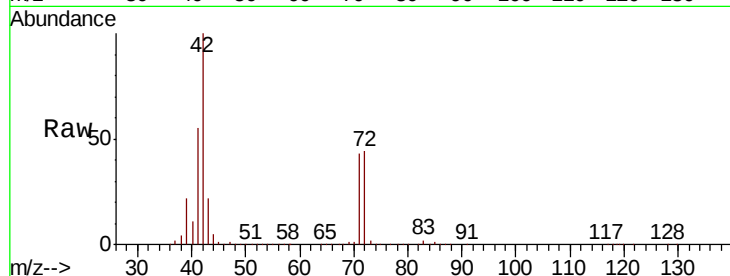
Tot Ion: 42 Resp: 1600793

Ion Ratio Lower Upper

42 100

72 46.4 37.7 56.5

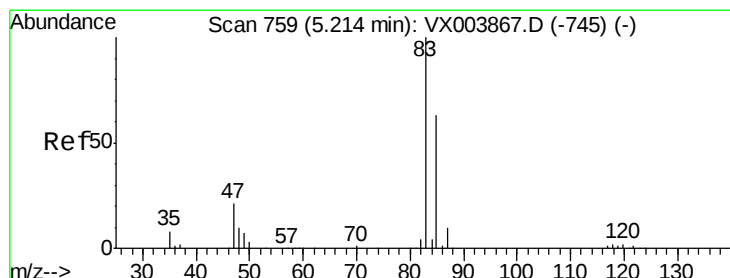
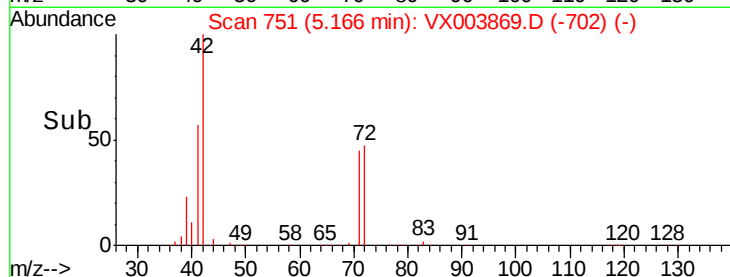
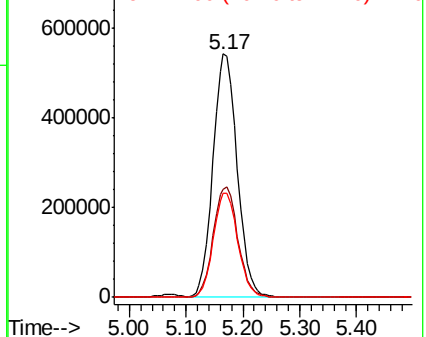
71 43.3 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 150.074 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003869.D

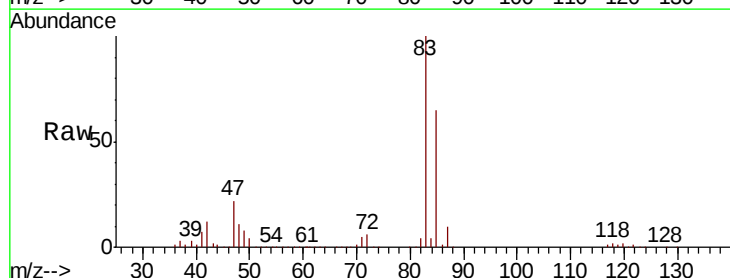
Acq: 06 Aug 2018 18:40

Tgt Ion: 83 Resp: 1091316

Ion Ratio Lower Upper

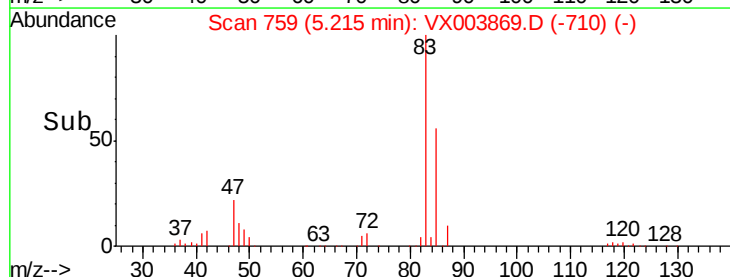
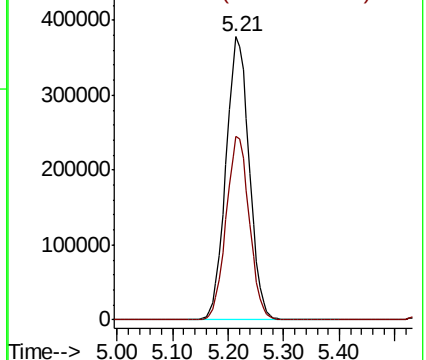
83 100

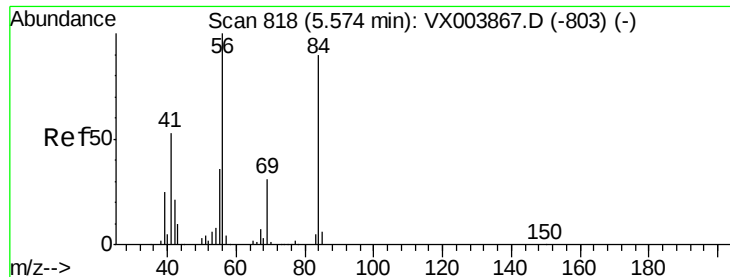
85 64.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 163.339 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

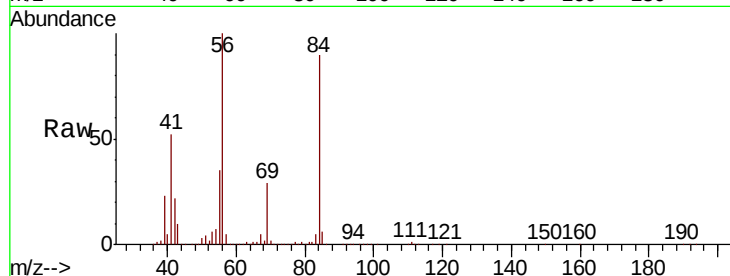
MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1003100

Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.9	37.3
84	88.9	71.7	107.5

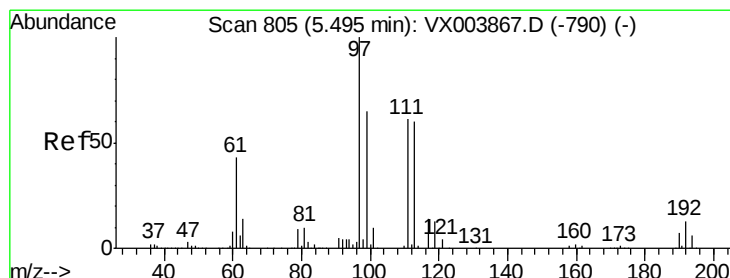
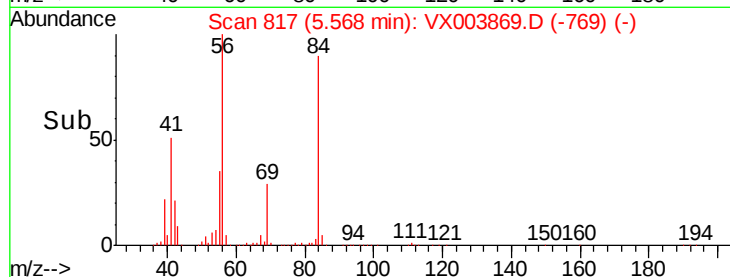
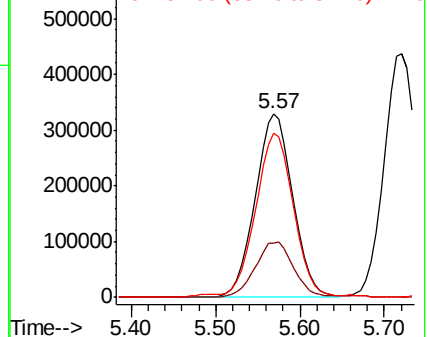


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 158.308 ug/l

RT: 5.49 min Scan# 805

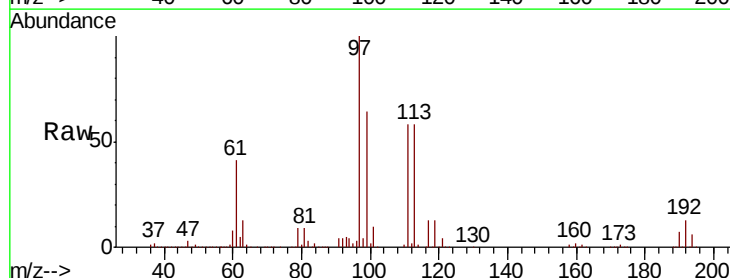
Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Tgt Ion: 97 Resp: 960611

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	42.3	34.4	51.6

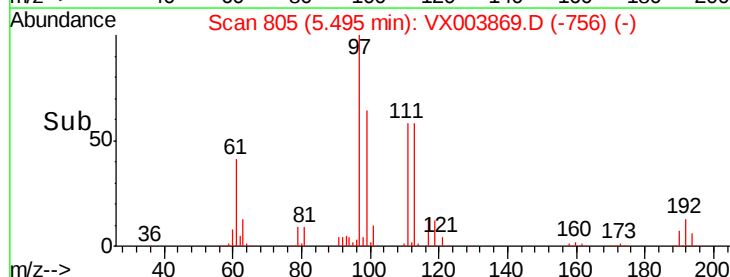
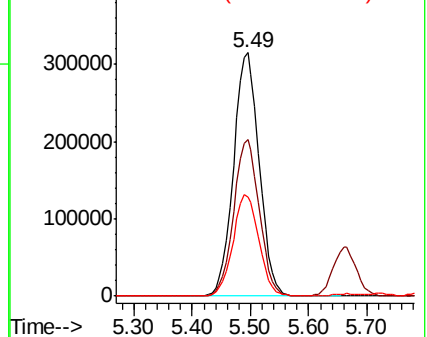


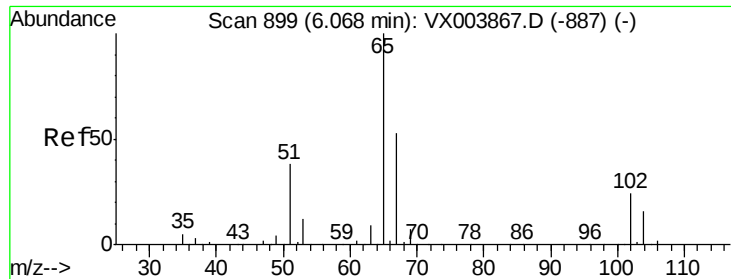
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 149.446 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

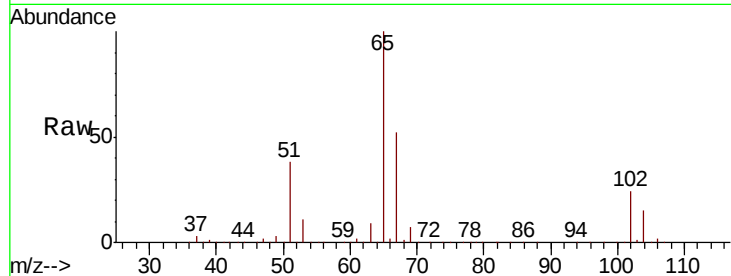
VSTDIC150

Tot Ion: 65 Resp: 678152

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

250000

200000

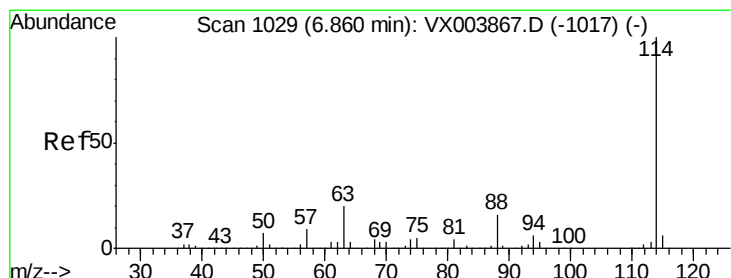
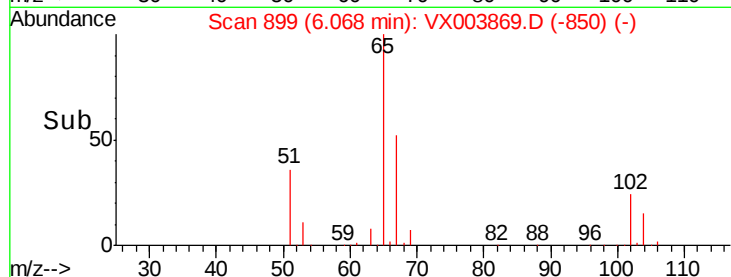
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

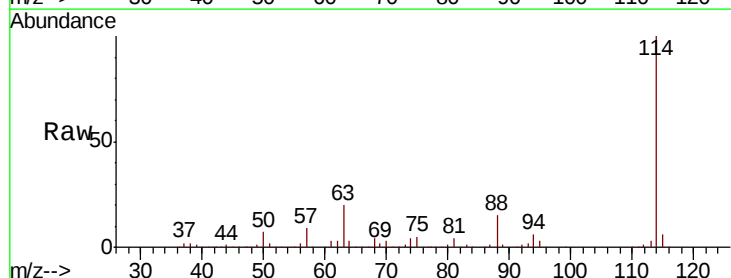
Tgt Ion: 114 Resp: 512653

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

88 15.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

300000

250000

200000

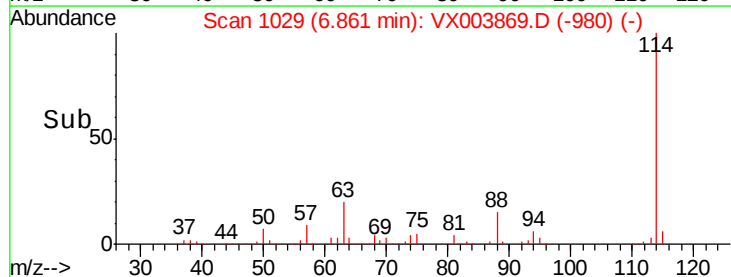
150000

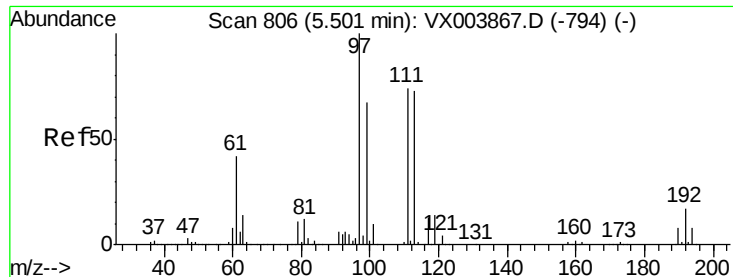
100000

50000

0

Time-->

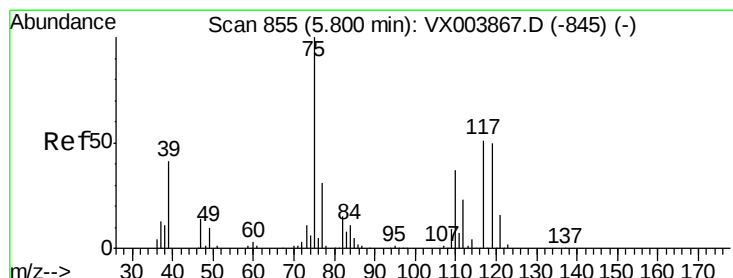
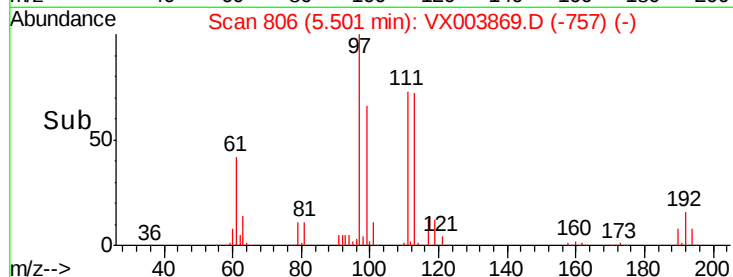
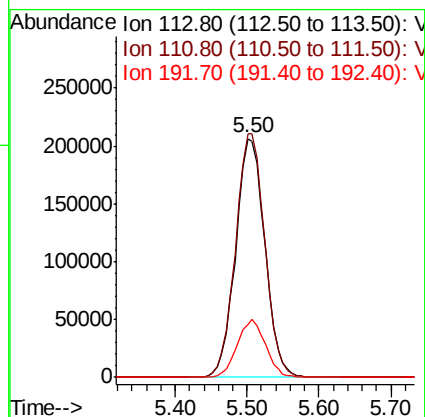
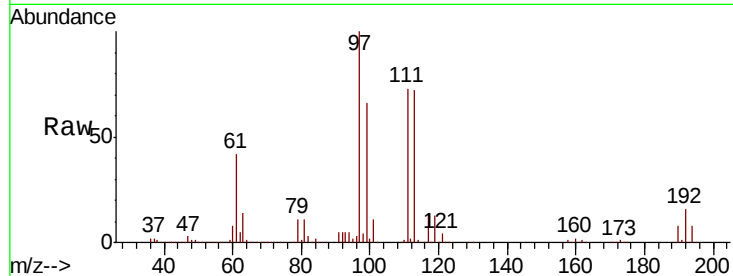




#35
 Dibromofluoromethane
 Concen: 145.926 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

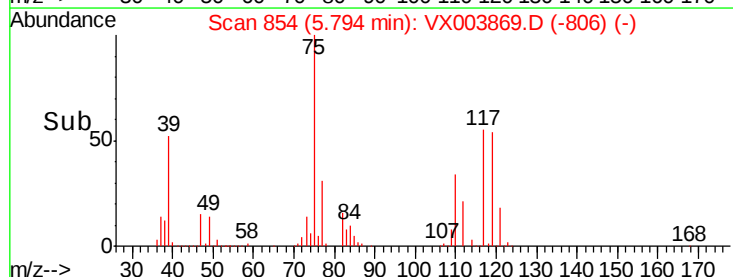
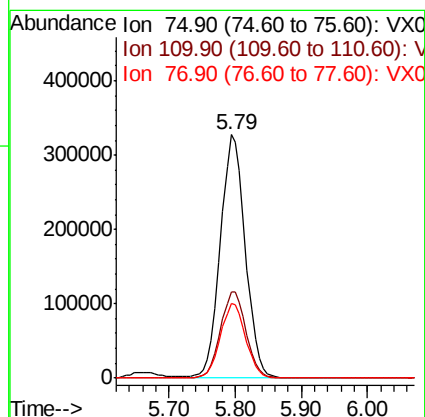
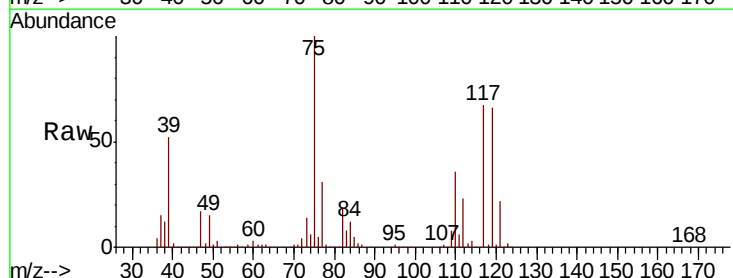
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

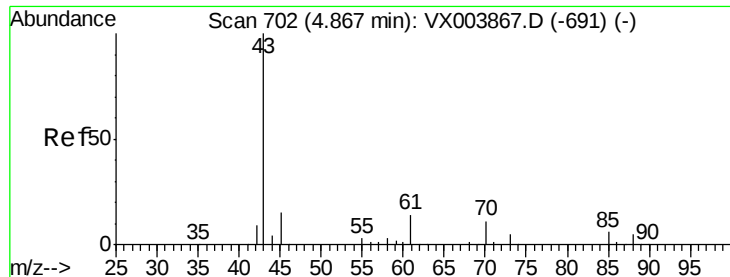
Tot Ion:113 Resp: 580883
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.0 123.0
 192 23.6 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 153.941 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 75 Resp: 854576
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.2 54.6
 77 31.0 25.0 37.4





#37

Ethyl Acetate

Concen: 149.106 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

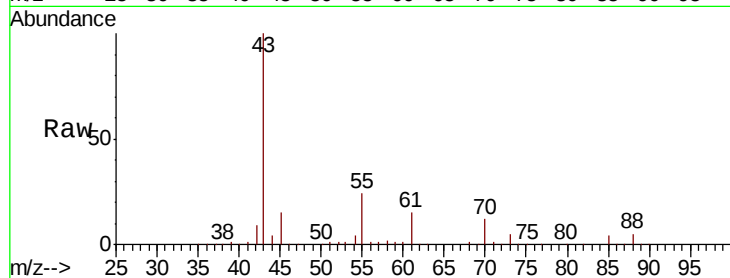
Tot Ion: 43 Resp: 942643

Ion Ratio Lower Upper

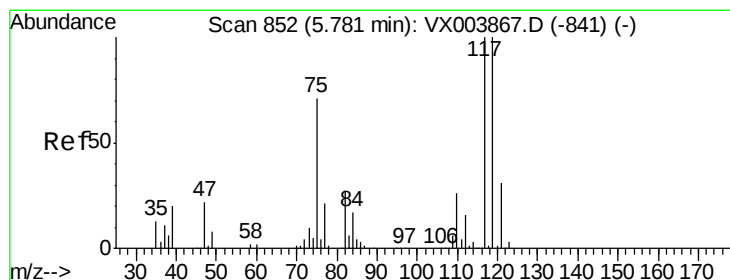
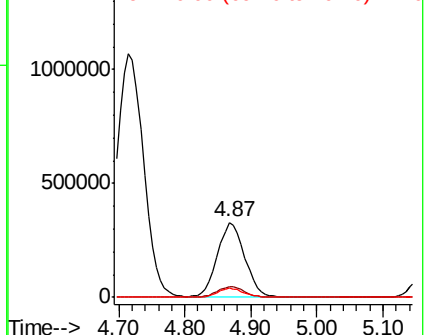
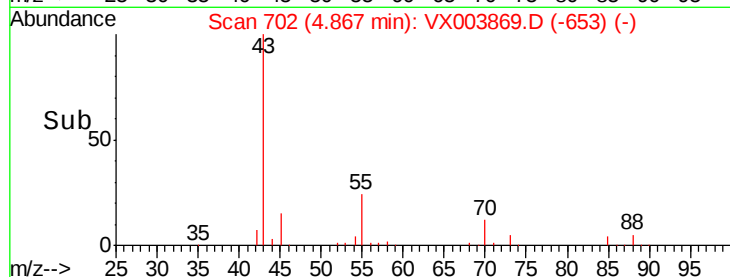
43 100

61 14.7 11.5 17.3

70 11.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VX003869.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 152.883 ug/l

RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

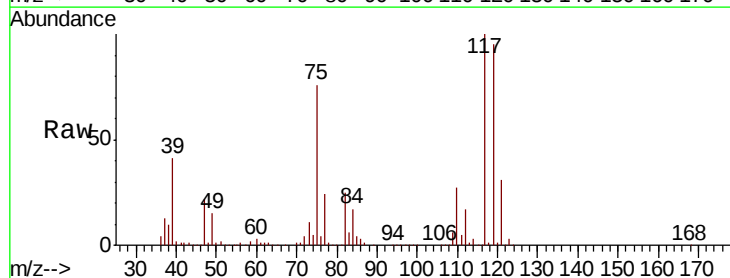
Tgt Ion: 117 Resp: 843500

Ion Ratio Lower Upper

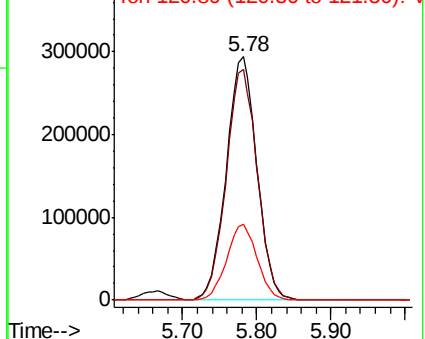
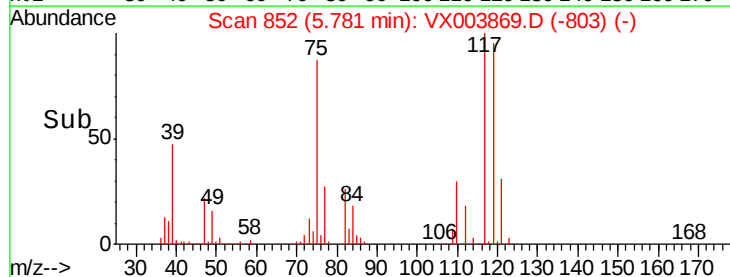
117 100

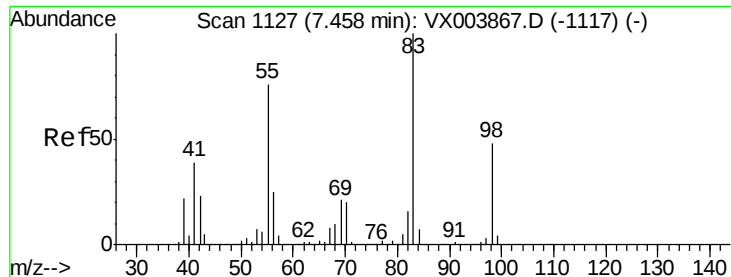
119 94.6 79.5 119.3

121 31.1 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): VX003869.D (-803) (-)

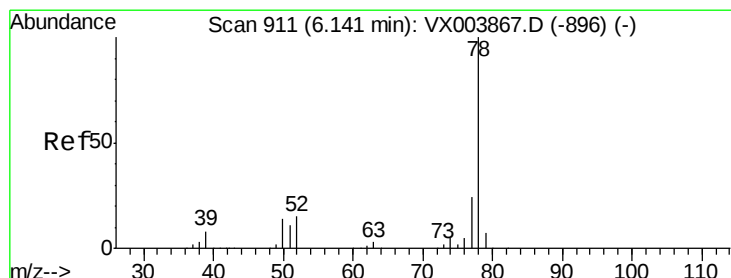
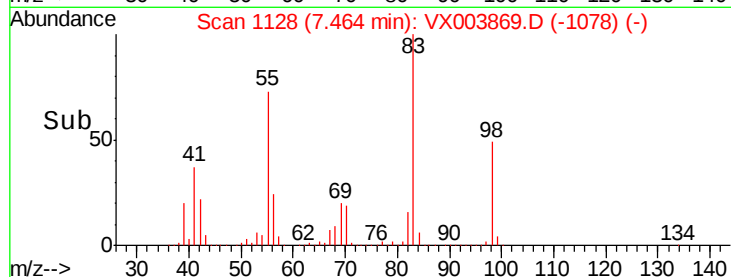
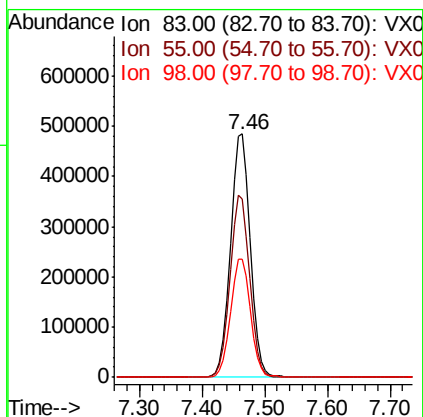
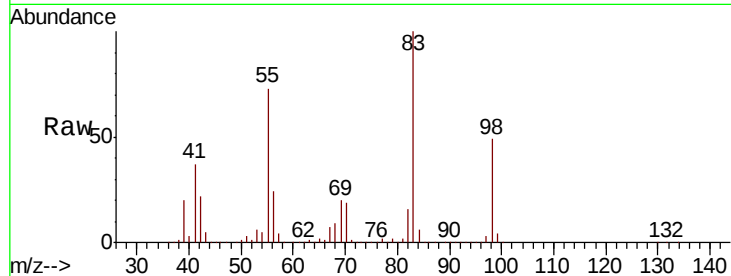




#39
Methvlcvclohexane
Concen: 165.941 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

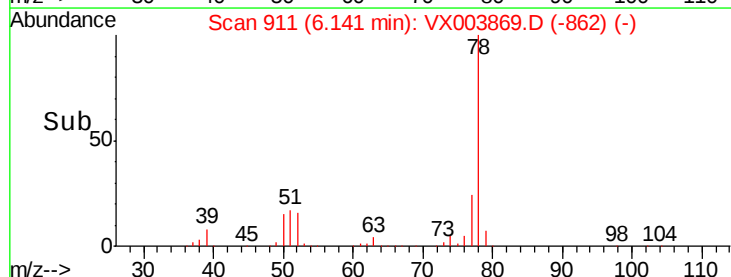
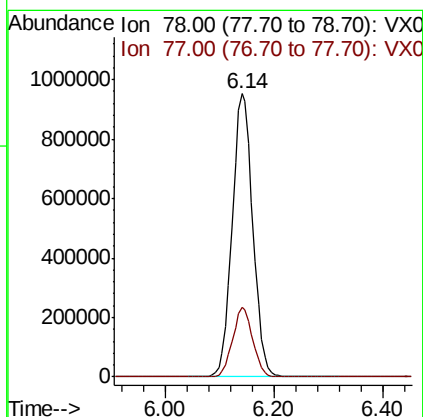
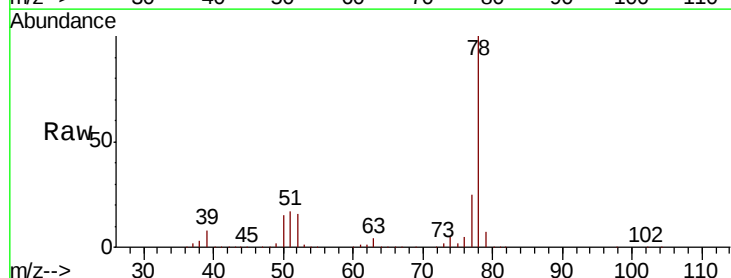
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

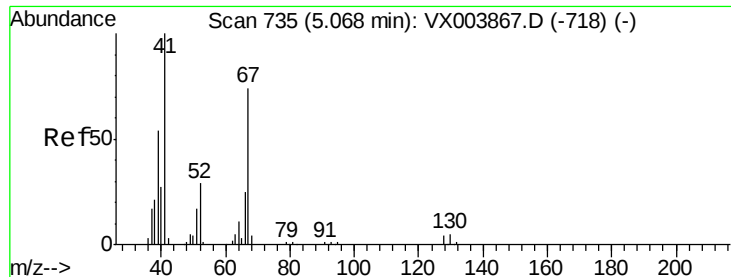
Tot Ion: 83 Resp: 1053936
Ion Ratio Lower Upper
83 100
55 73.5 61.0 91.6
98 48.8 38.6 57.8



#40
Benzene
Concen: 147.865 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion: 78 Resp: 2514874
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4

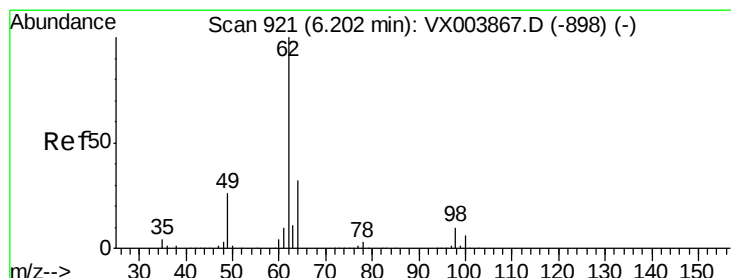
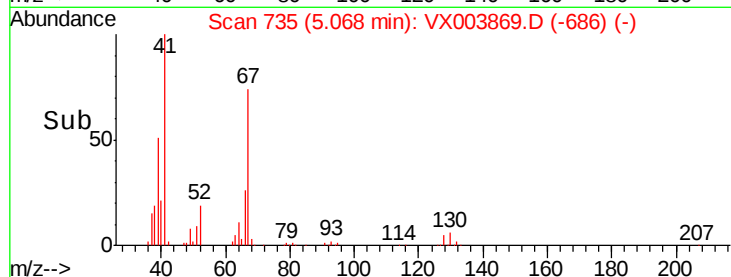
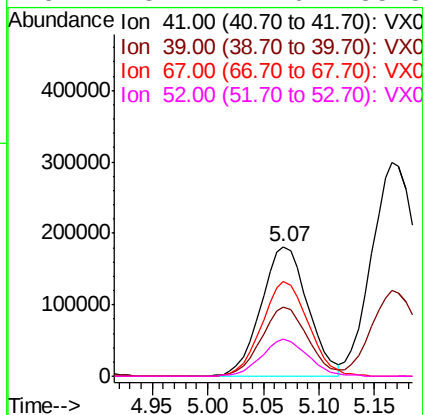
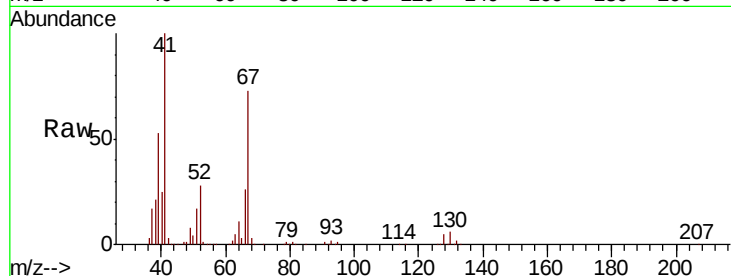




#41
Methacrylonitrile
Concen: 155.116 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

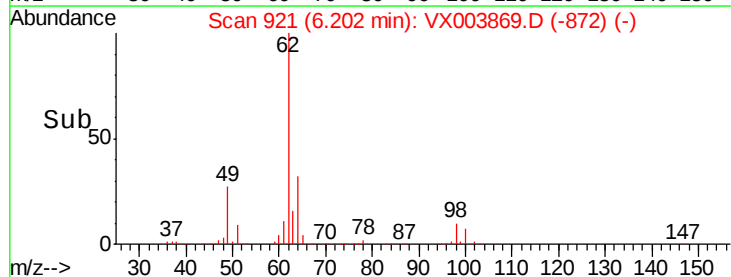
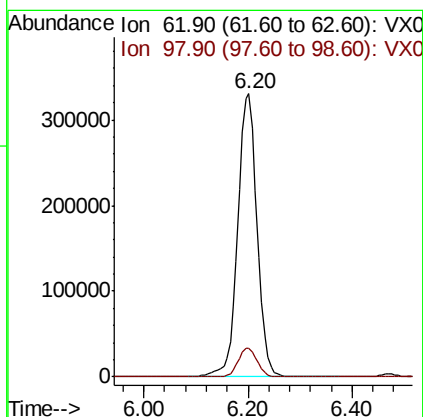
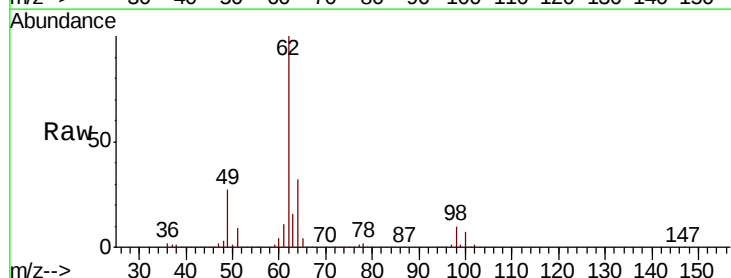
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

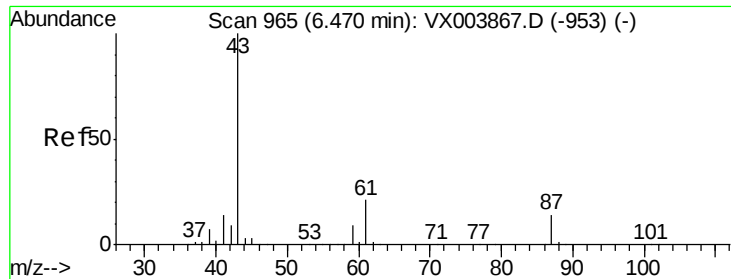
Tot Ion:	41	Resp:	529290
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.7	64.1
67	73.5	58.9	88.3
52	28.4	22.6	33.8



#42
1,2-Dichloroethane
Concen: 149.084 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion:	62	Resp:	848327
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4



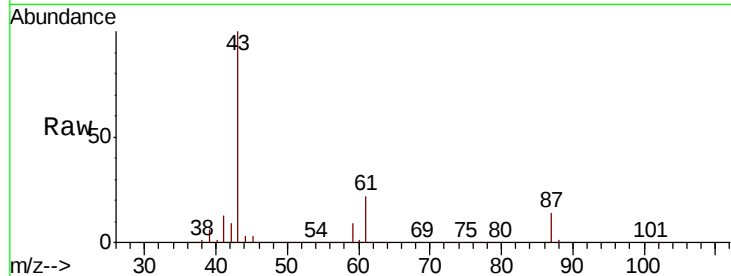


#43

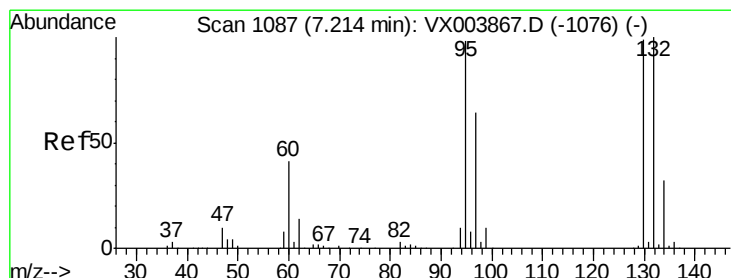
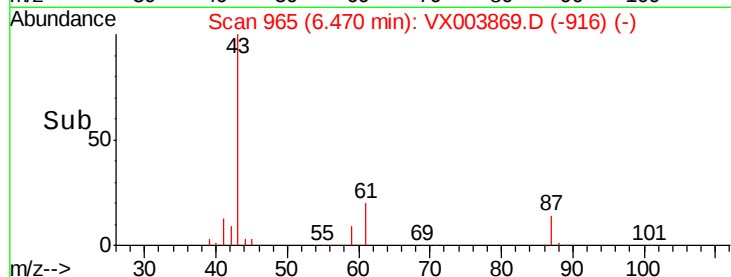
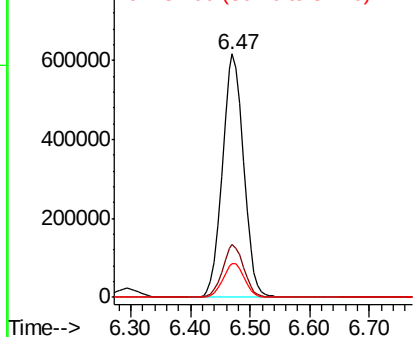
Isopropyl Acetate
 Concen: 160.832 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1525436
 Ion Ratio Lower Upper
 43 100
 61 21.5 16.9 25.3
 87 14.1 11.3 16.9



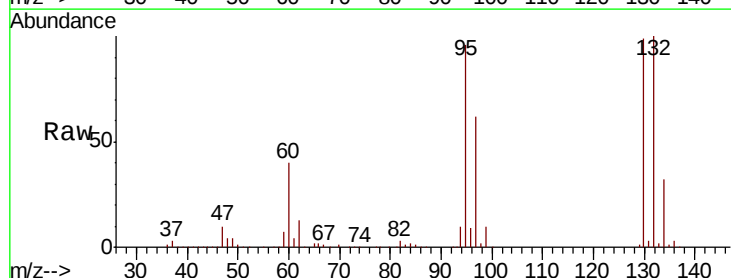
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



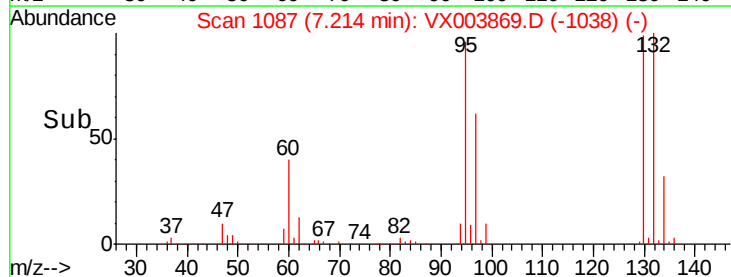
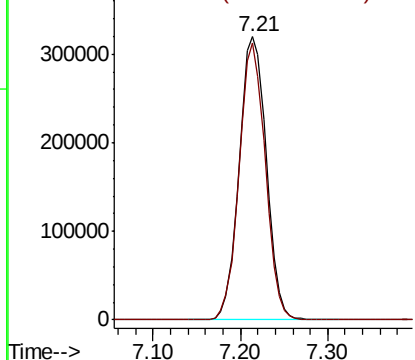
#44

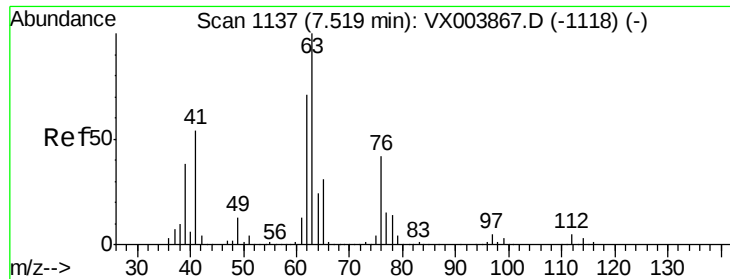
Trichloroethene
 Concen: 150.392 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion:130 Resp: 690496
 Ion Ratio Lower Upper
 130 100
 95 97.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

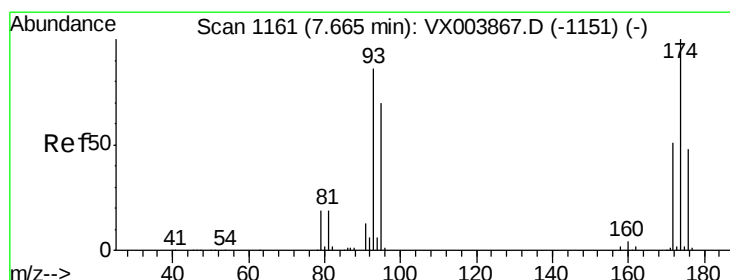
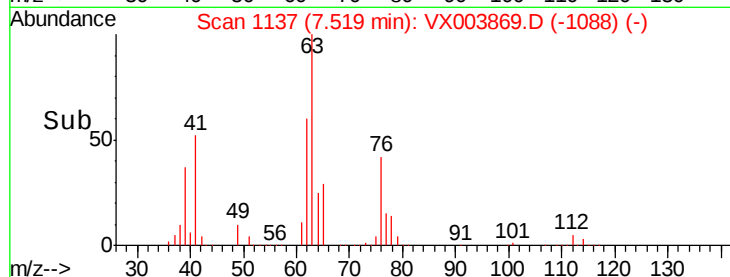
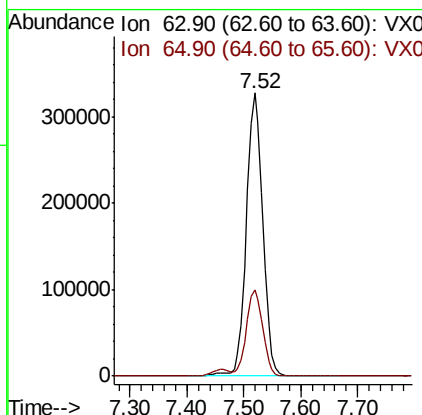
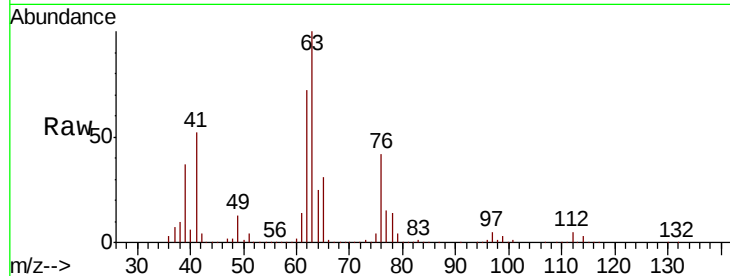




#45
 1,2-Dichloropropane
 Concen: 149.977 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

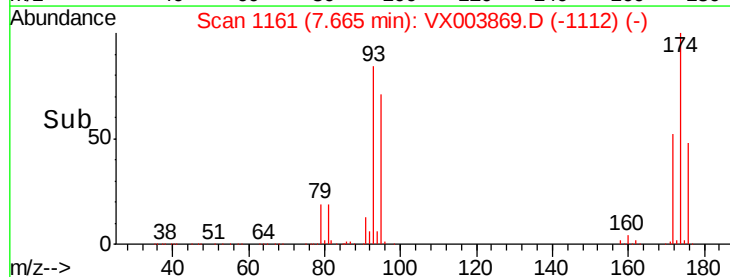
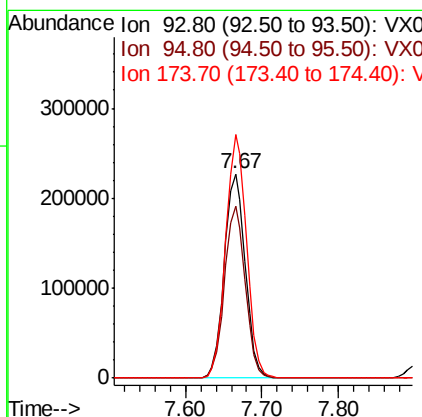
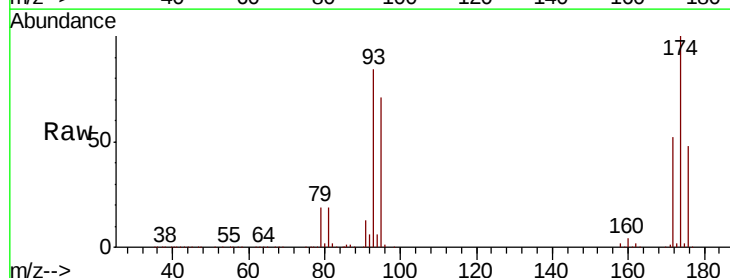
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

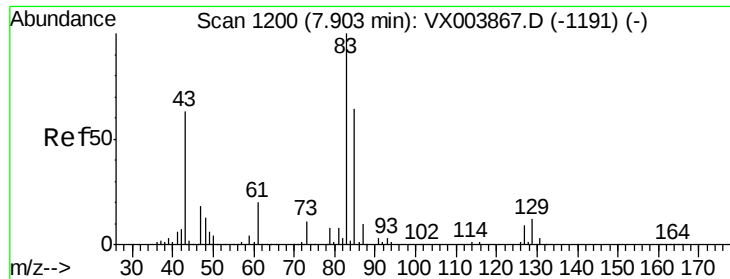
Tot Ion: 63 Resp: 660208
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8



#46
 Dibromomethane
 Concen: 152.358 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 93 Resp: 430736
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 118.4 94.3 141.5





#47

Bromodichloromethane

Concen: 161.024 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

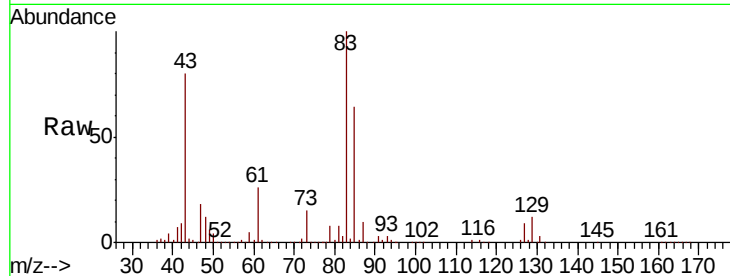
Tot Ion: 83 Resp: 860196

Ion Ratio Lower Upper

83 100

85 64.3 51.2 76.8

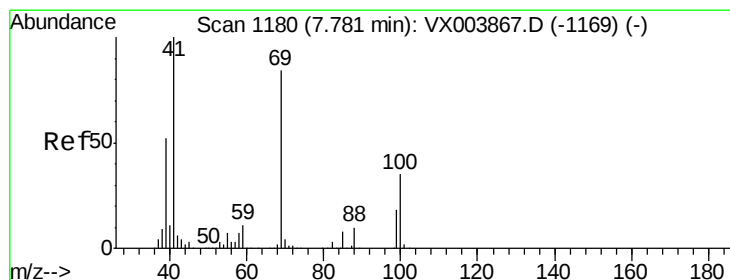
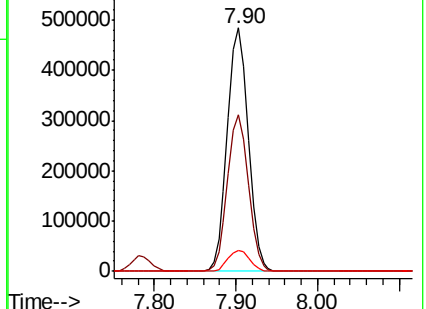
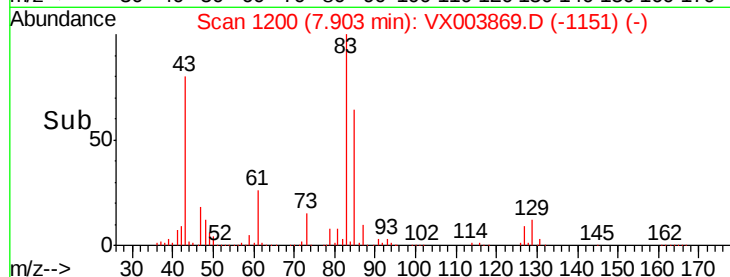
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 165.943 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

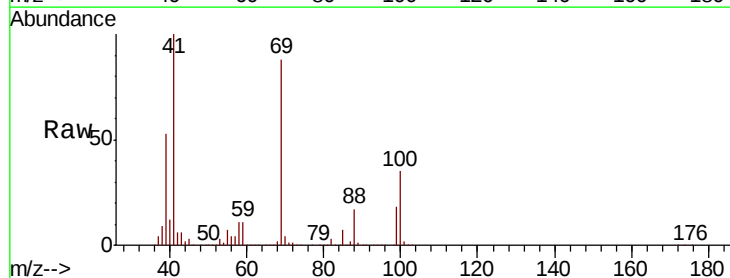
Tgt Ion: 41 Resp: 795197

Ion Ratio Lower Upper

41 100

69 87.5 68.8 103.2

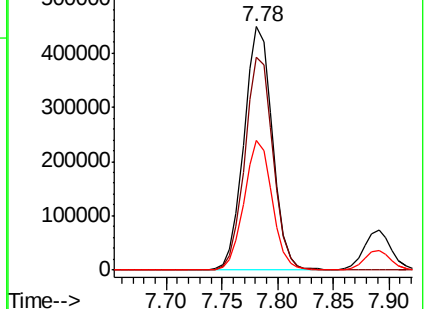
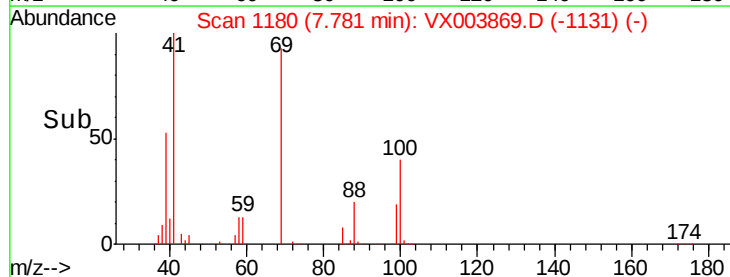
39 52.6 42.3 63.5

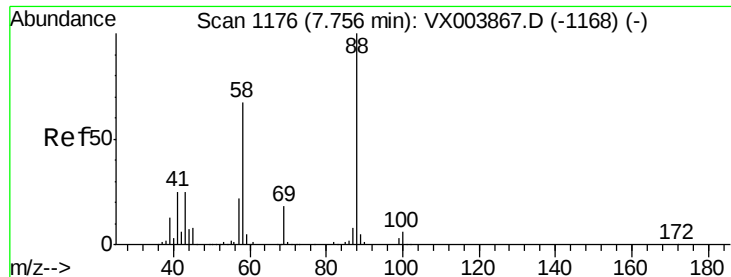


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

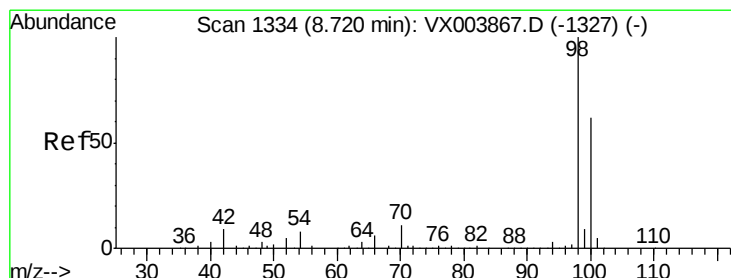
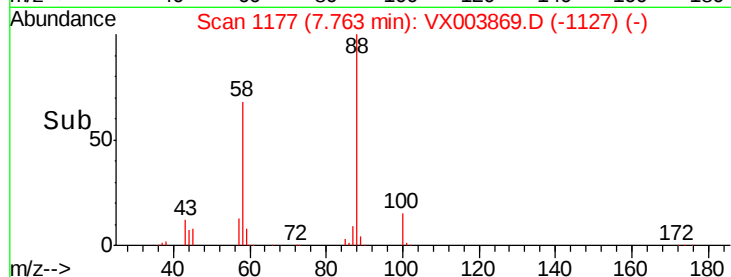
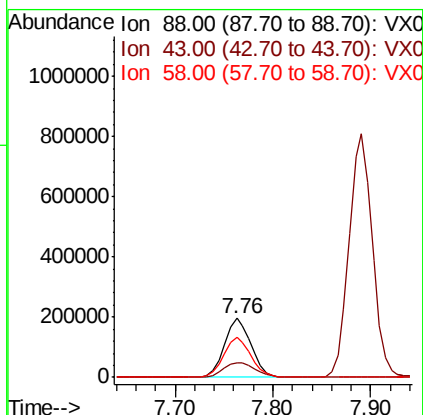
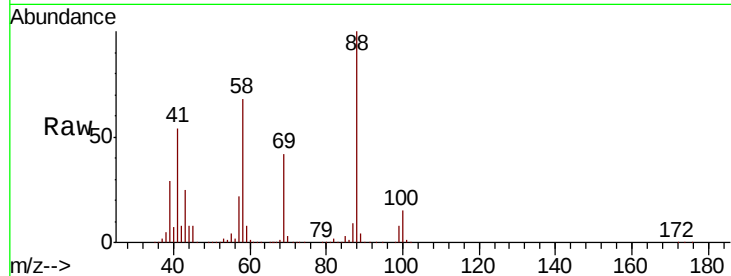




#49
 1,4-Dioxane
 Concen: 3227.518 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

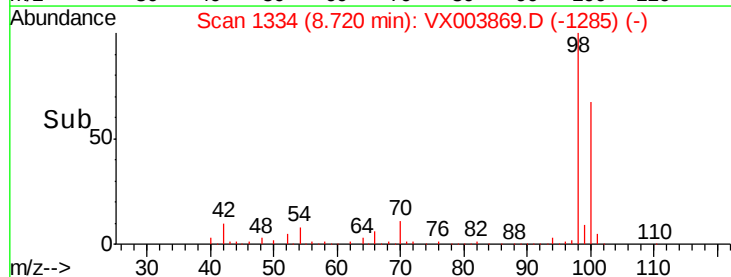
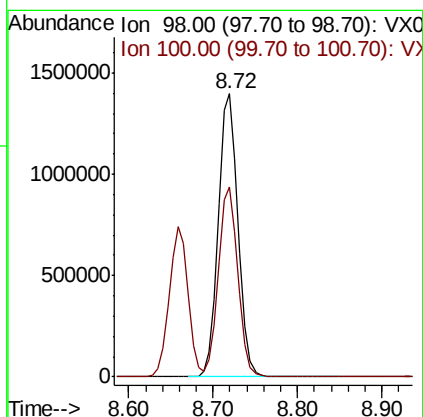
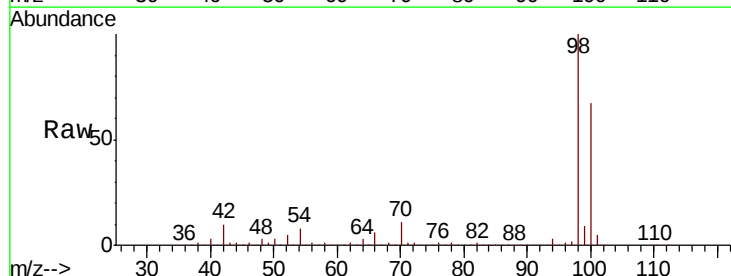
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

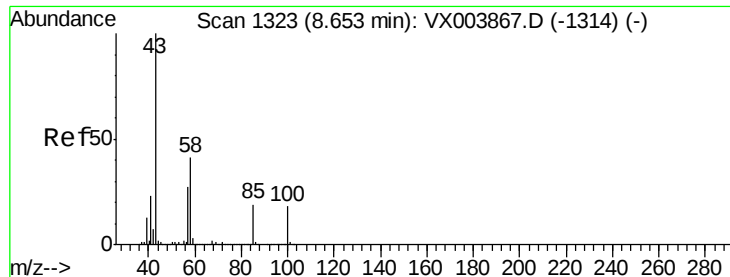
Tot Ion: 88 Resp: 366022
 Ion Ratio Lower Upper
 88 100
 43 29.8 23.8 35.8
 58 69.7 55.4 83.0



#50
 Toluene-d8
 Concen: 146.357 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 98 Resp: 2250540
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.3 79.9

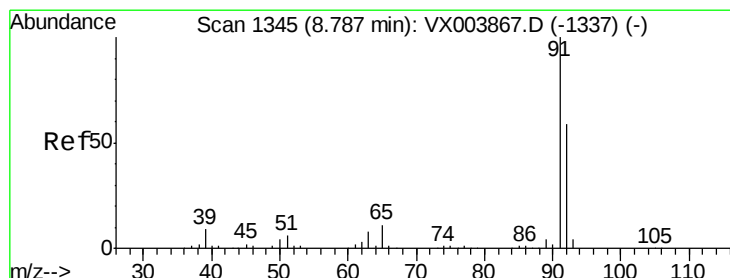
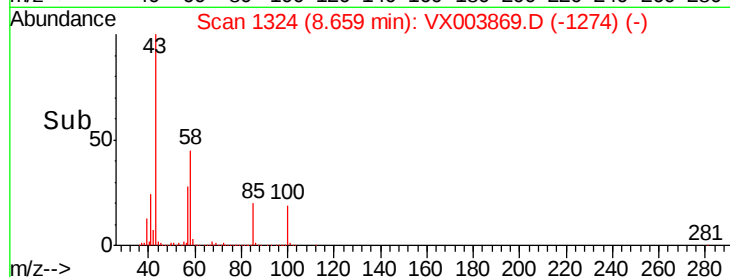
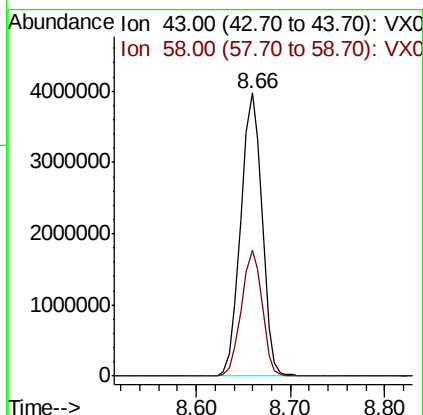
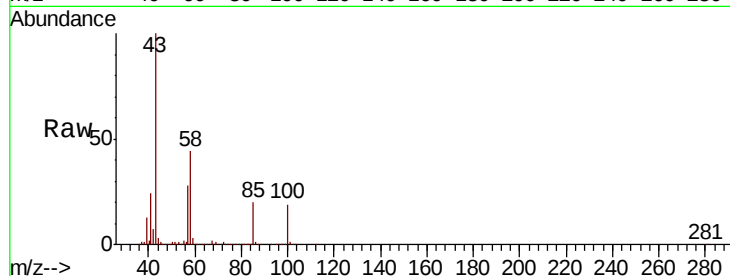




#51
 4-Methyl-2-Pentanone
 Concen: 796.526 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

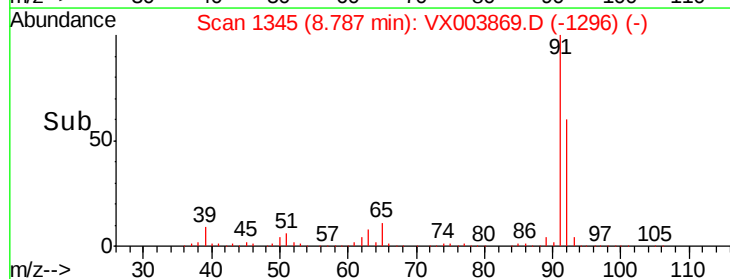
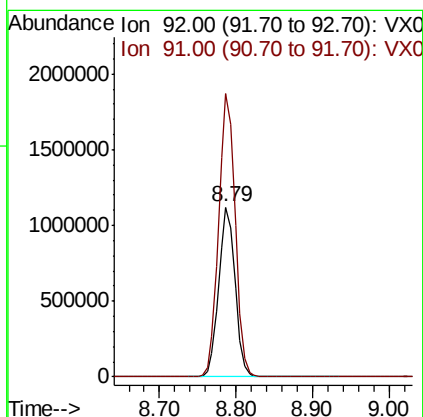
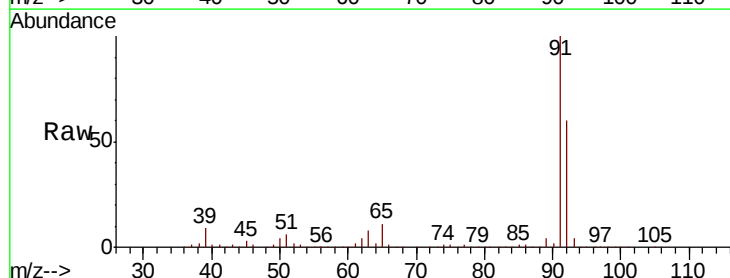
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 6293354
 Ion Ratio Lower Upper
 43 100
 58 43.2 33.0 49.6



#52
 Toluene
 Concen: 157.734 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 92 Resp: 1658340
 Ion Ratio Lower Upper
 92 100
 91 169.0 136.1 204.1

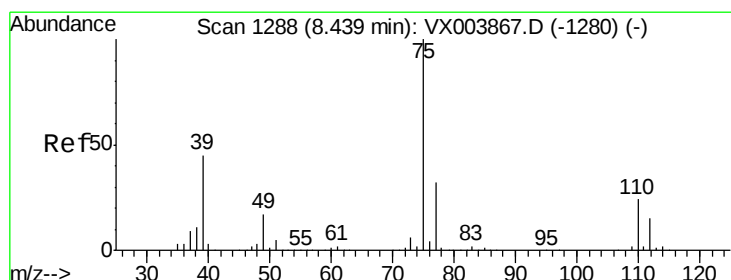
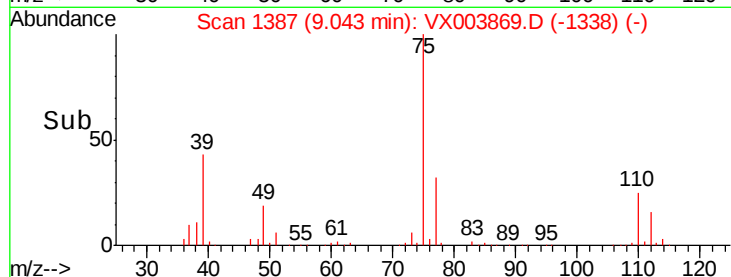
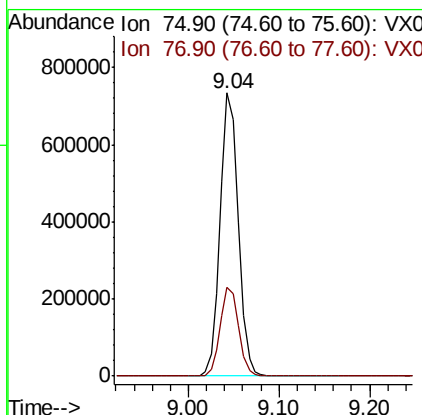
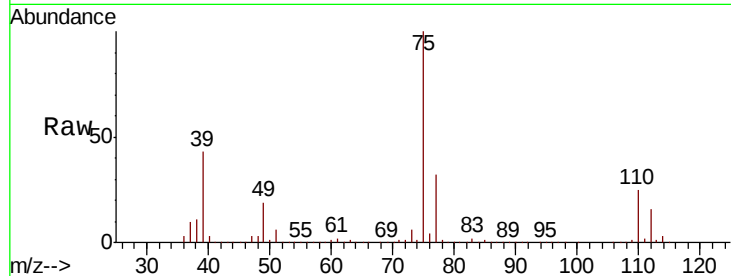




#53
 t-1,3-Dichloropropene
 Concen: 175.691 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

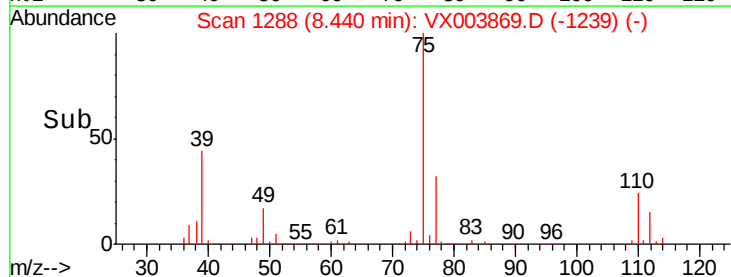
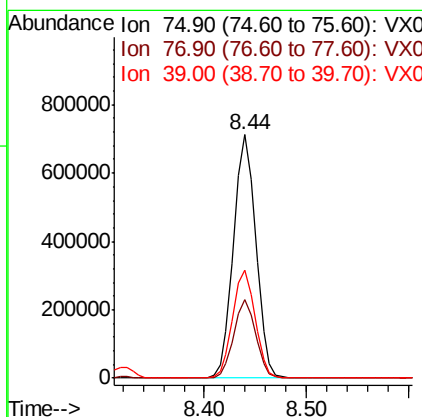
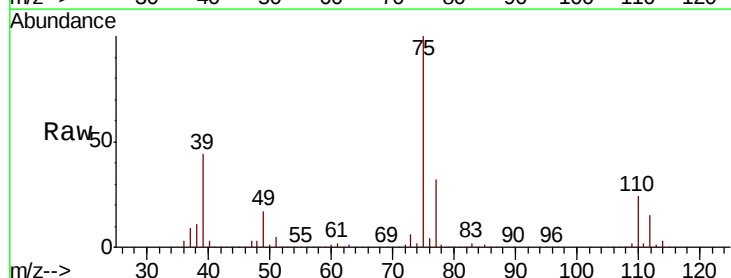
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

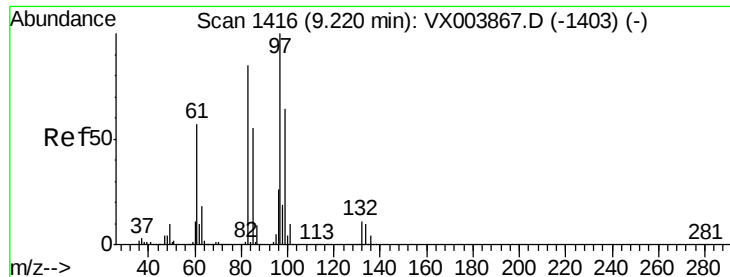
Tot Ion: 75 Resp: 1026986
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 168.704 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 75 Resp: 1076092
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 44.3 36.2 54.2

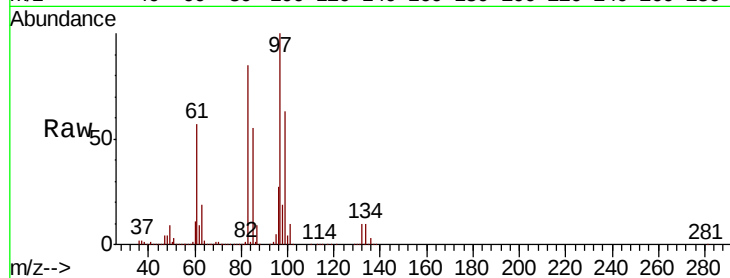




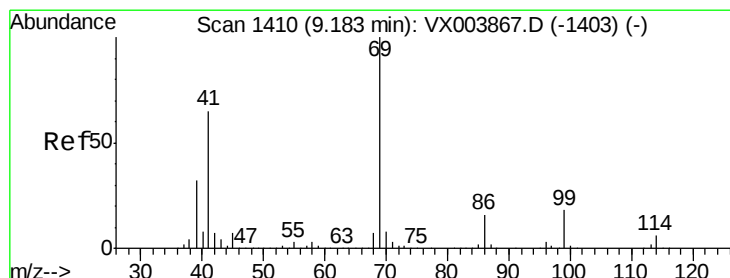
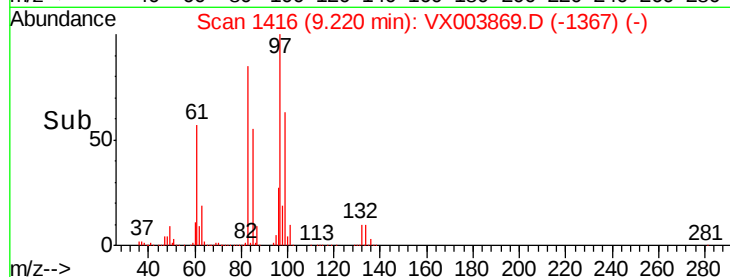
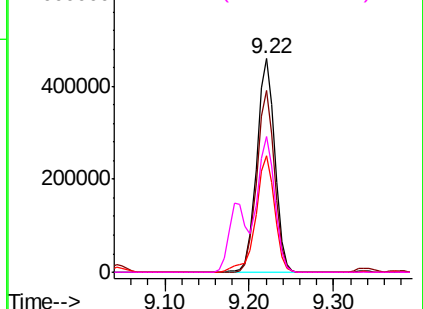
#55
 1,1,2-Trichloroethane
 Concen: 151.642 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	669461
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.8	101.6
85	54.8	44.2	66.2
99	63.4	50.8	76.2

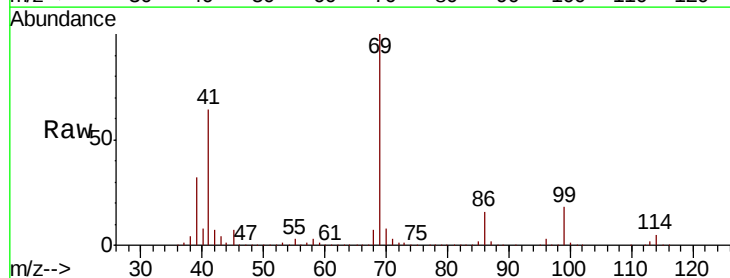


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

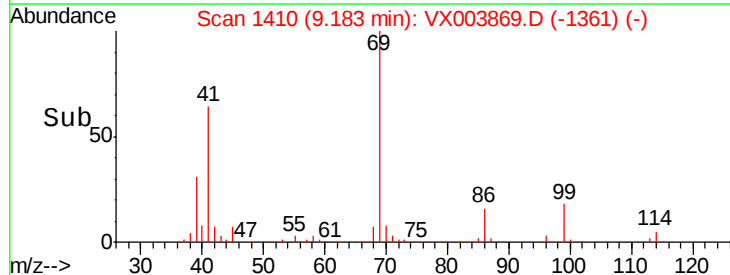
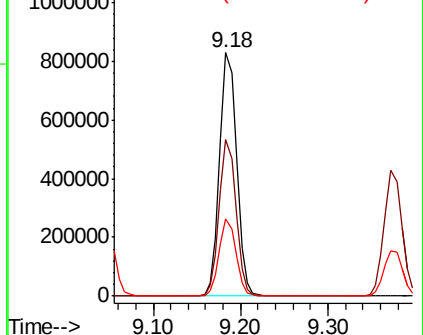


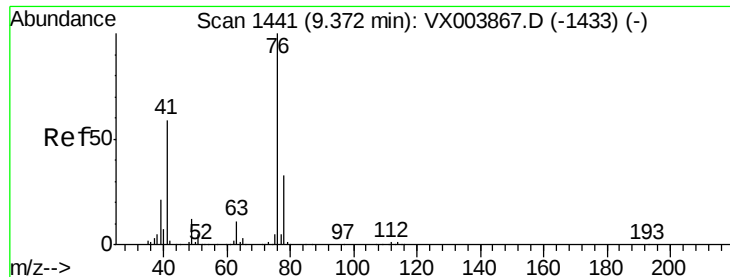
#56
 Ethyl methacrylate
 Concen: 181.040 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion:	69	Resp:	1120109
Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.6	76.0
39	31.2	25.8	38.6



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





#57

1,3-Dichloropropane

Concen: 157.654 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

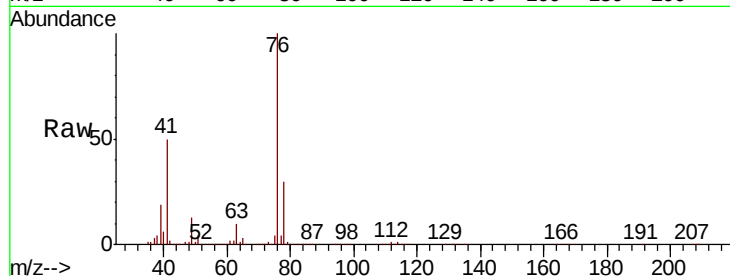
VSTDIC150

Tot Ion: 76 Resp: 1130041

Ion Ratio Lower Upper

76 100

78 31.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800000

600000

400000

200000

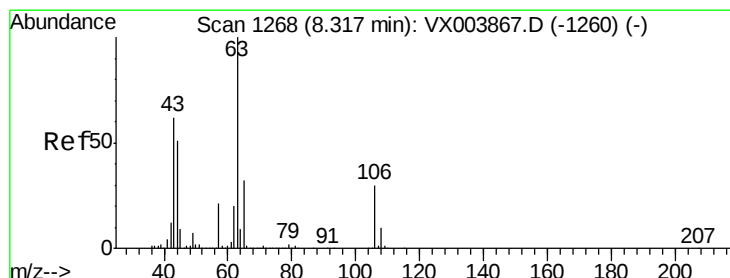
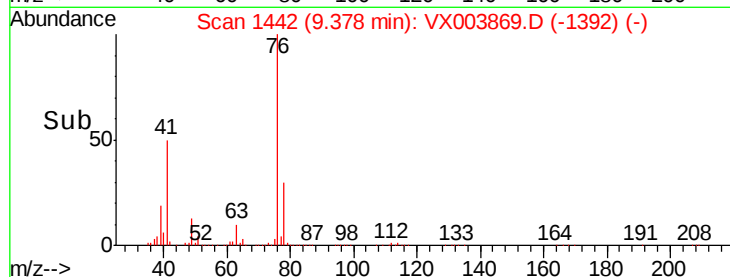
0

9.30

9.40

9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 839.791 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003869.D

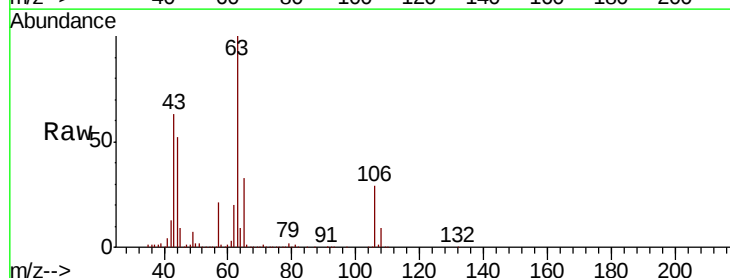
Acq: 06 Aug 2018 18:40

Tgt Ion: 63 Resp: 2653605

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

2000000

1500000

1000000

500000

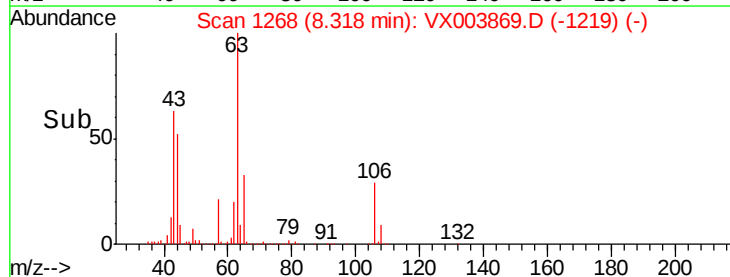
0

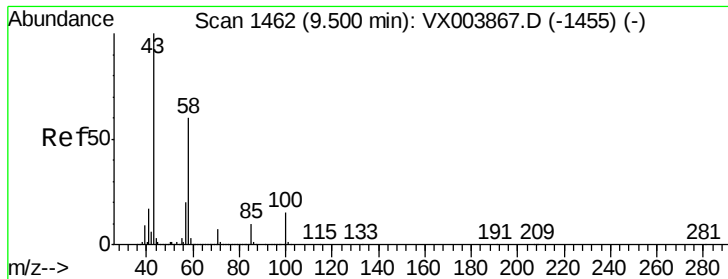
8.20

8.30

8.40

Time-->

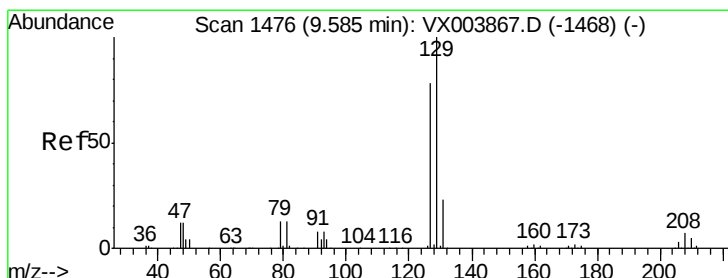
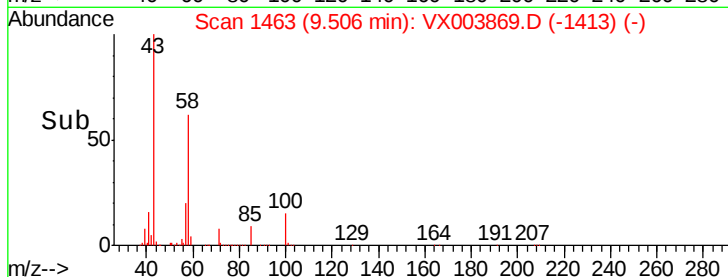
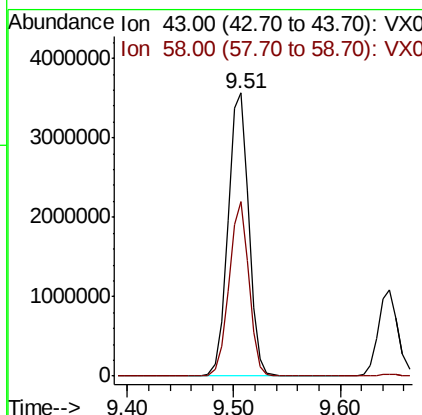
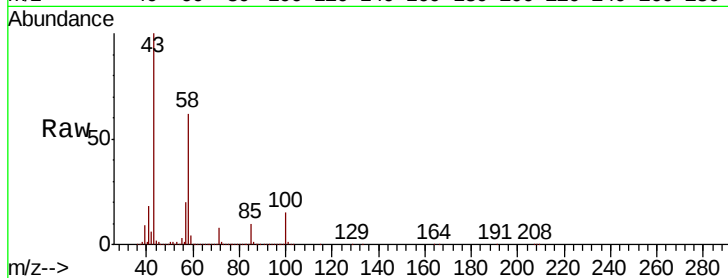




#59
2-Hexanone
Concen: 807.224 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

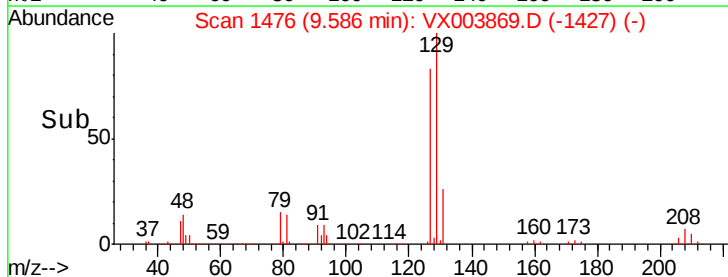
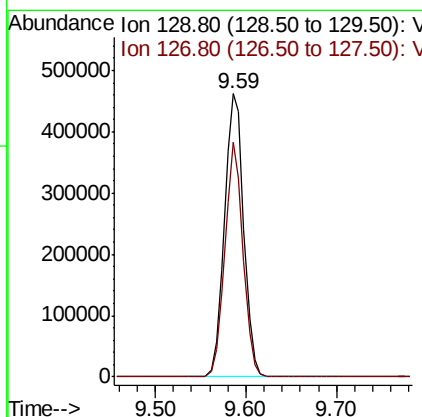
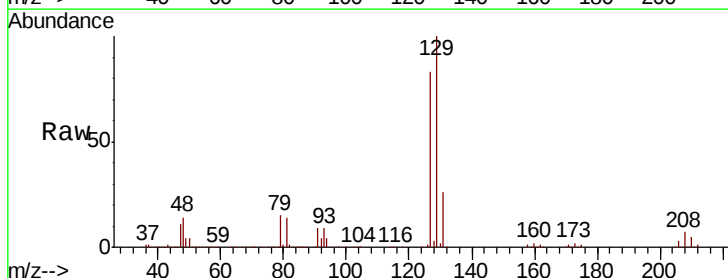
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

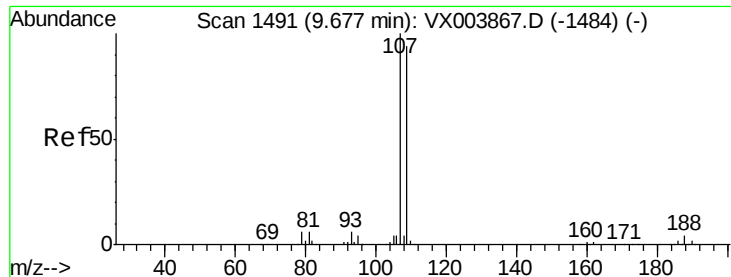
Tot Ion: 43 Resp: 4863657
Ion Ratio Lower Upper
43 100
58 58.9 29.0 87.0



#60
Dibromochloromethane
Concen: 160.267 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion: 129 Resp: 687800
Ion Ratio Lower Upper
129 100
127 78.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 154.829 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

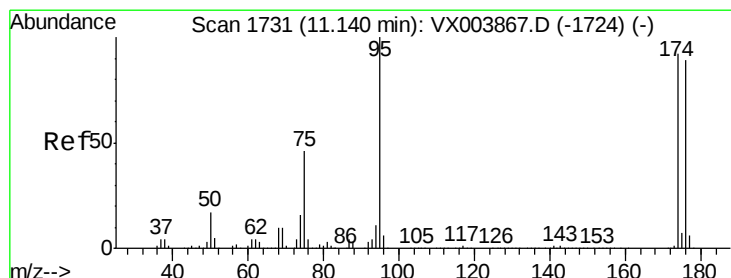
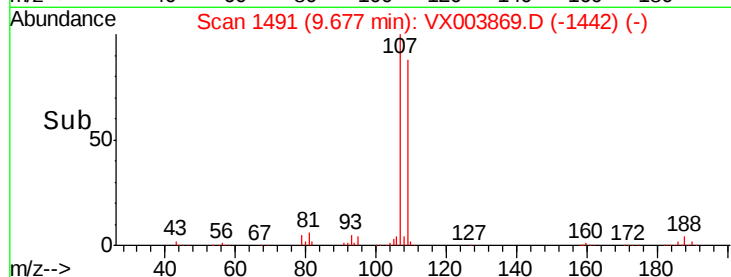
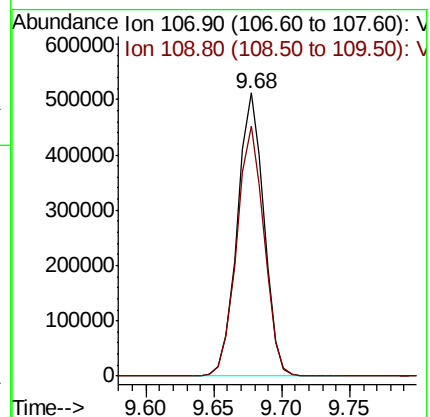
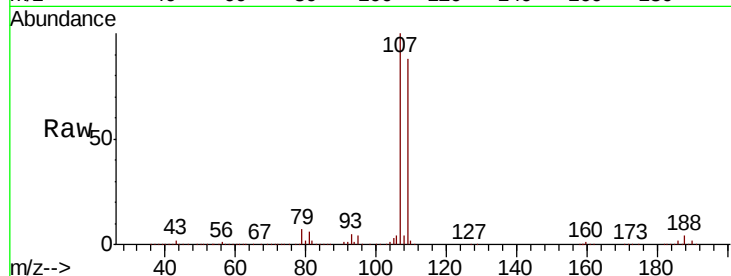
VSTDIC150

Tot Ion:107 Resp: 696290

Ion Ratio Lower Upper

107 100

109 90.6 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 147.814 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

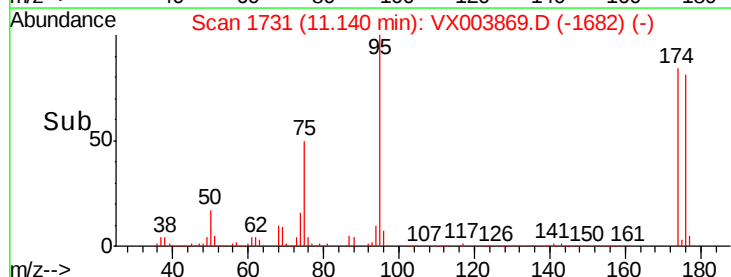
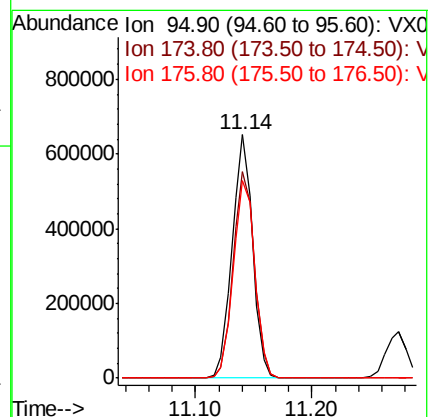
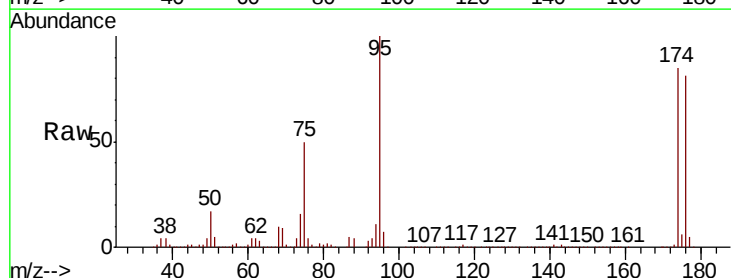
Tgt Ion: 95 Resp: 793817

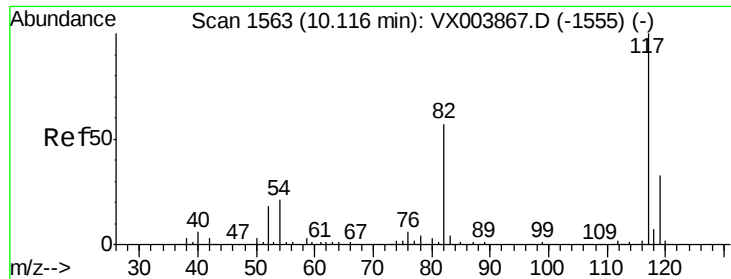
Ion Ratio Lower Upper

95 100

174 88.7 0.0 182.8

176 86.0 0.0 179.0

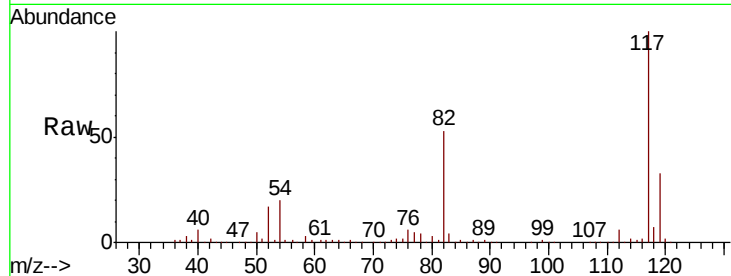




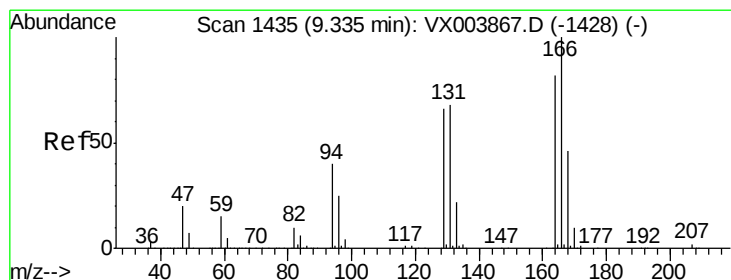
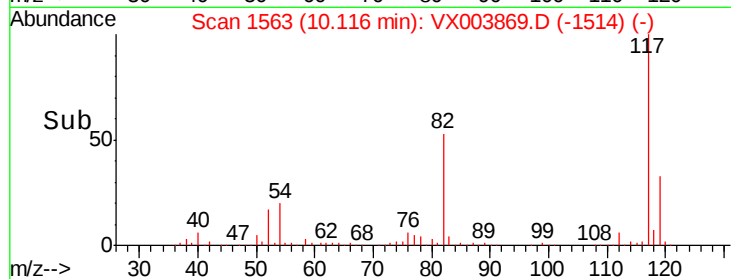
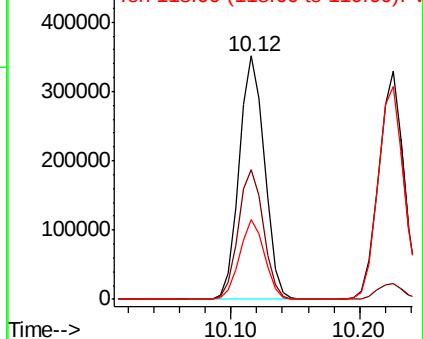
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 477022
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 32.5 26.6 40.0

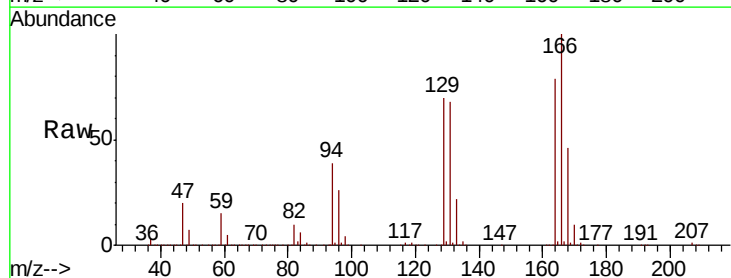


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

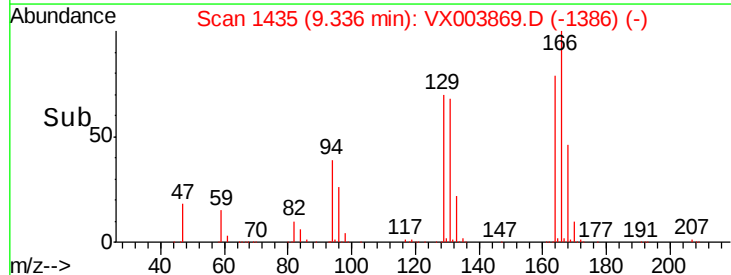
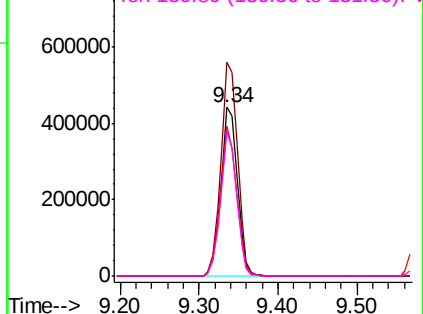


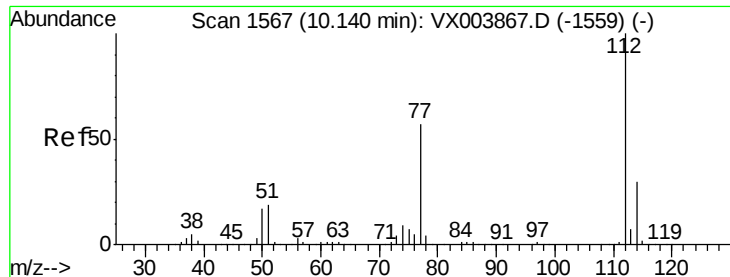
#64
Tetrachloroethene
Concen: 146.499 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion:164 Resp: 647043
Ion Ratio Lower Upper
164 100
166 126.7 98.0 147.0
129 88.6 64.3 96.5
131 85.7 66.8 100.2



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





#65

Chlorobenzene

Concen: 148.070 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

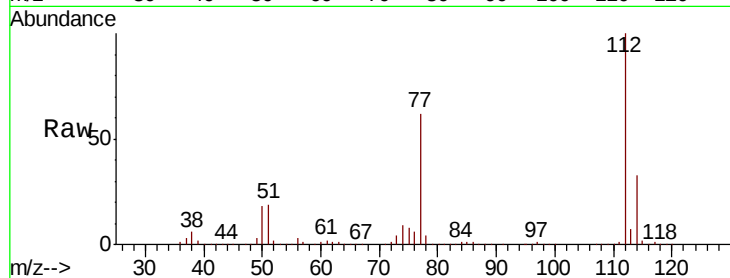
VSTDIC150

Tot Ion:112 Resp: 1760842

Ion Ratio Lower Upper

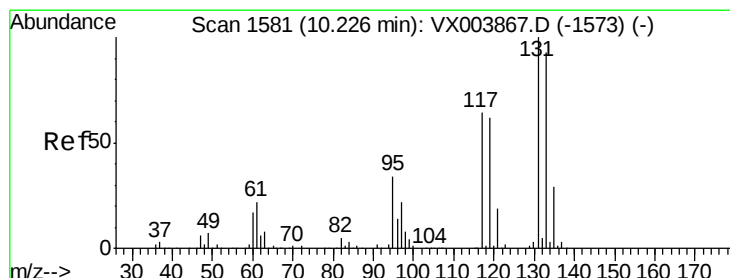
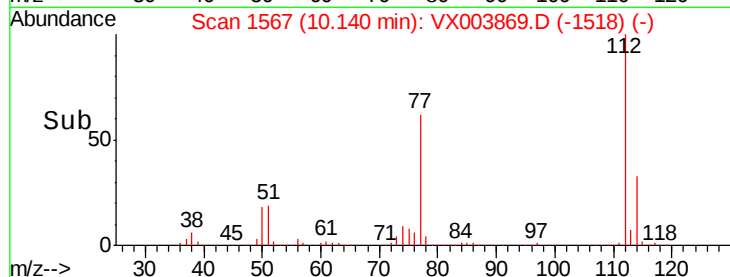
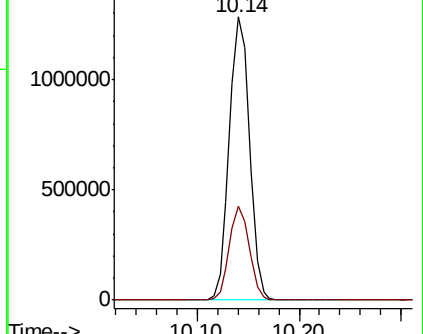
112 100

114 33.3 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 156.786 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

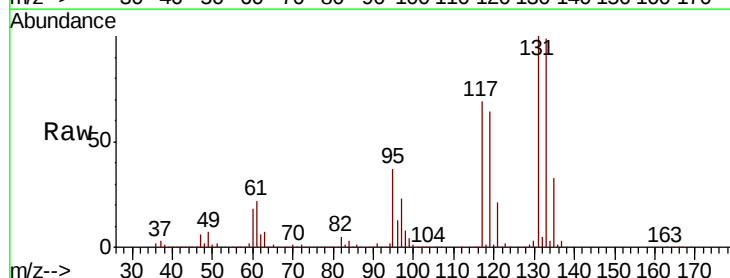
Tgt Ion:131 Resp: 654266

Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

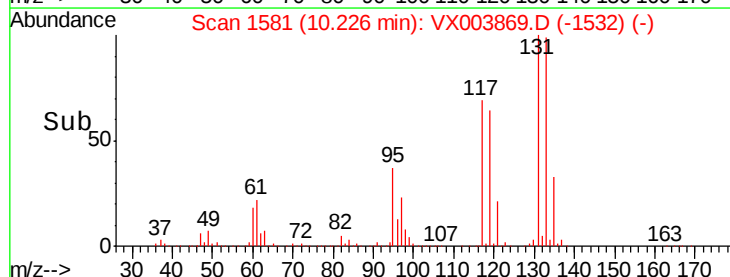
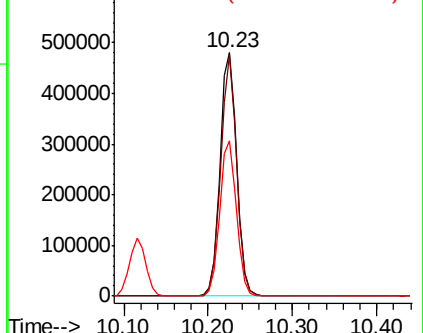
119 64.5 31.6 94.8

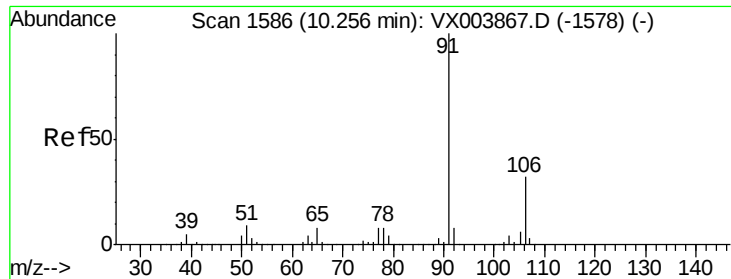


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 162.098 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

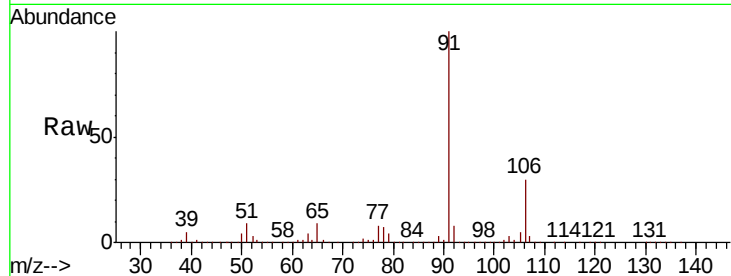
VSTDIC150

Tot Ion: 91 Resp: 3100140

Ion Ratio Lower Upper

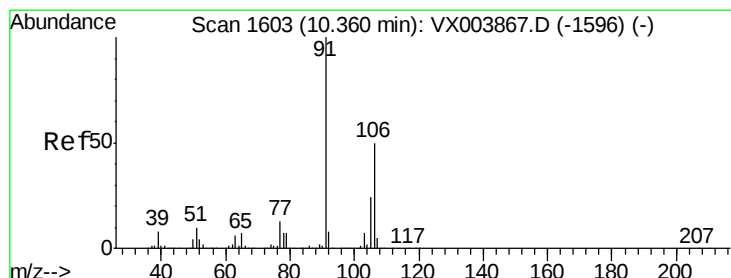
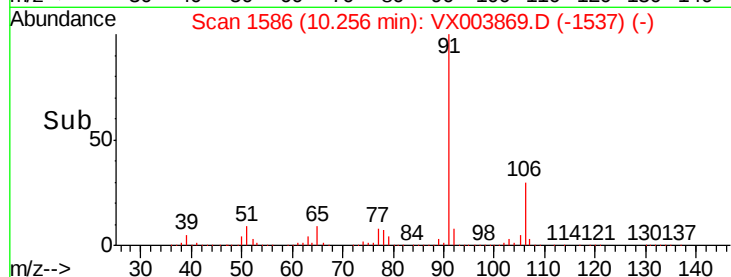
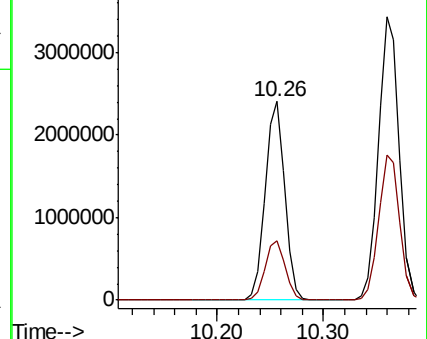
91 100

106 29.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX003869.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX003869.D (-1578) (-)



#68

m/p-Xylenes

Concen: 323.146 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003869.D

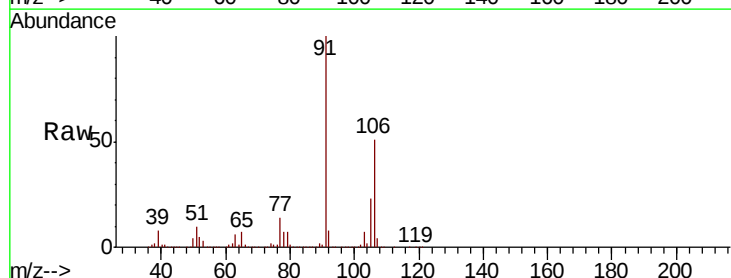
Acq: 06 Aug 2018 18:40

Tgt Ion: 106 Resp: 2410213

Ion Ratio Lower Upper

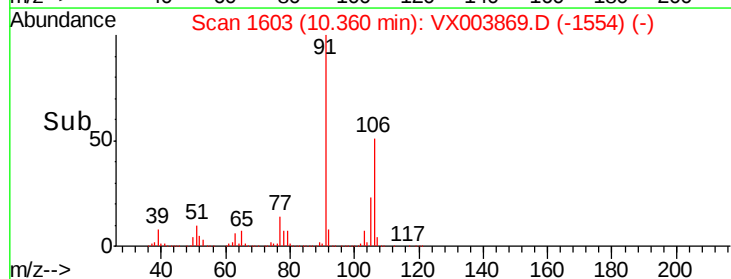
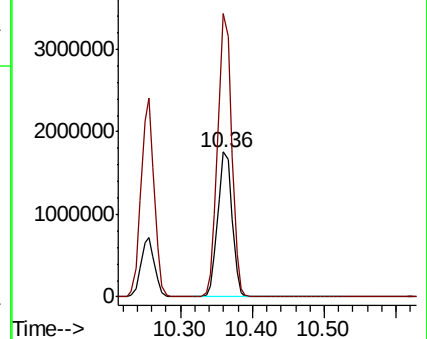
106 100

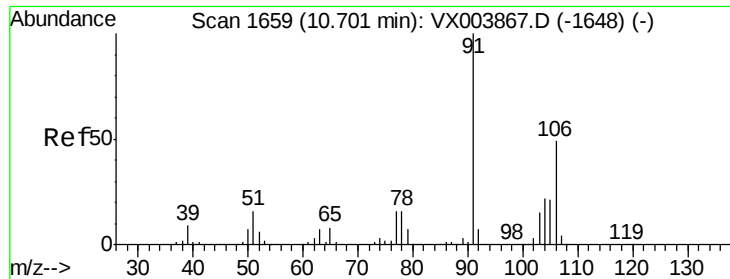
91 191.4 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VX003869.D (-1596) (-)

Ion 91.00 (90.70 to 91.70): VX003869.D (-1596) (-)

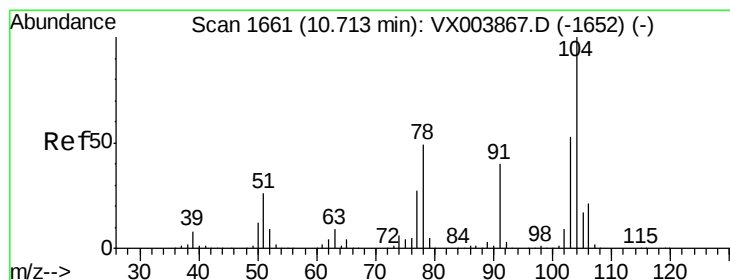
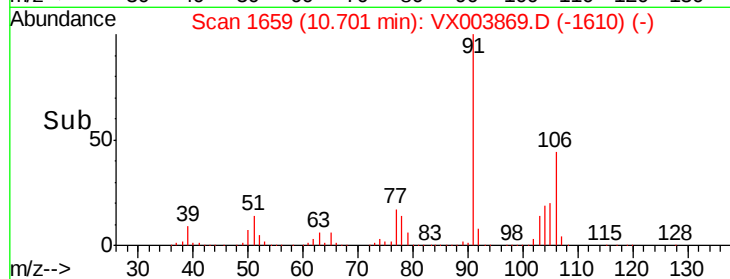
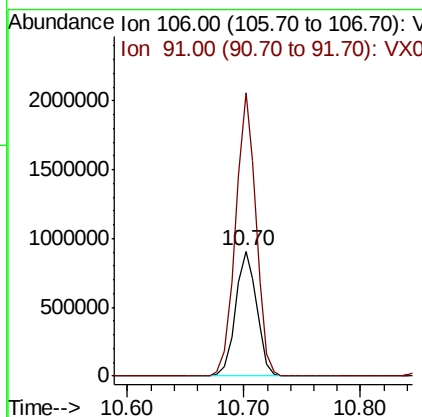
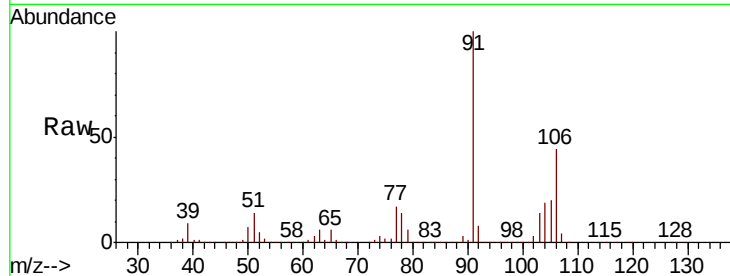




#69
o-Xylene
Concen: 160.549 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

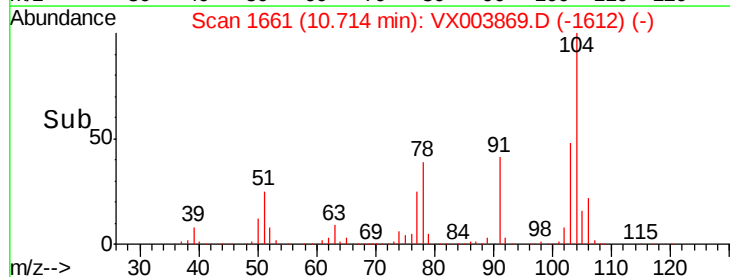
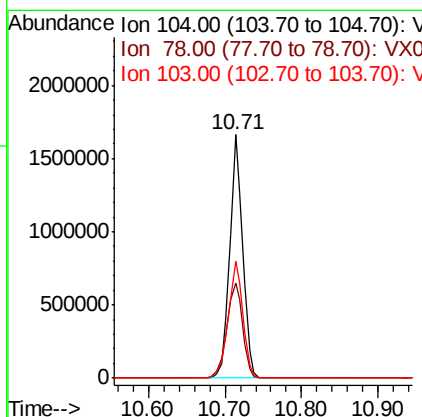
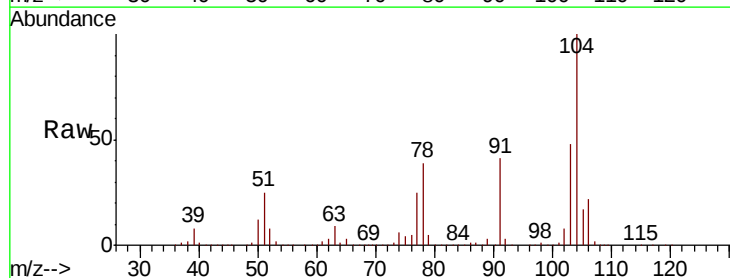
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1150094
Ion Ratio Lower Upper
106 100
91 218.3 101.9 305.7



#70
Styrene
Concen: 165.119 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion:104 Resp: 1946474
Ion Ratio Lower Upper
104 100
78 47.2 39.8 59.6
103 54.3 44.3 66.5





#71

Bromoform

Concen: 168.401 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

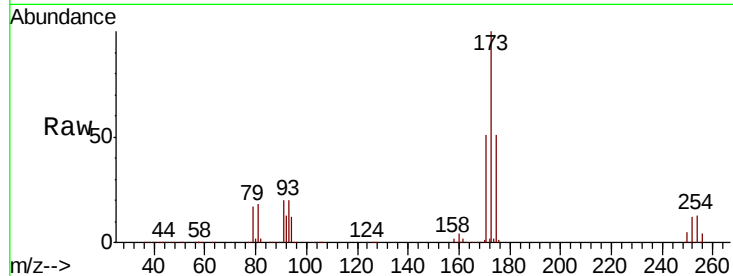
Tot Ion:173 Resp: 571153

Ion Ratio Lower Upper

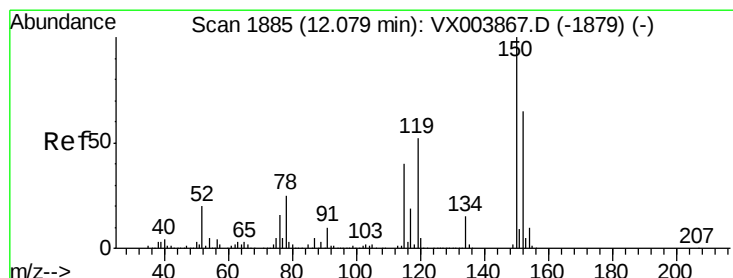
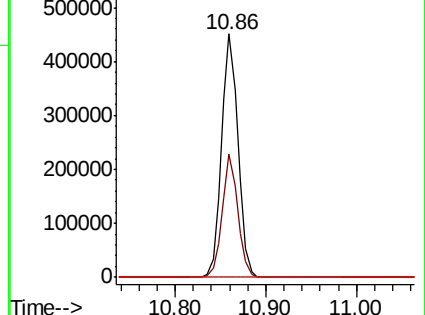
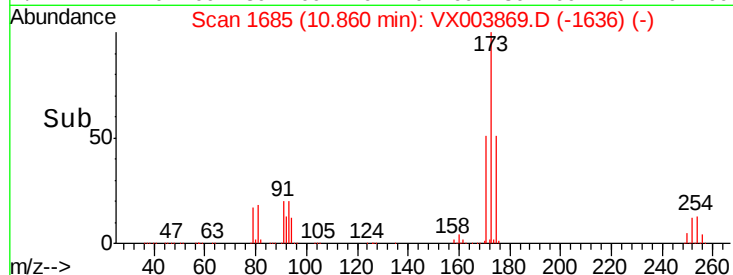
173 100

175 47.9 24.9 74.7

254 0.2 0.2 0.2



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: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

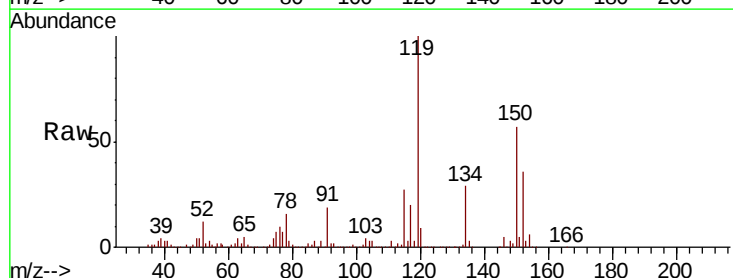
Tgt Ion:152 Resp: 275323

Ion Ratio Lower Upper

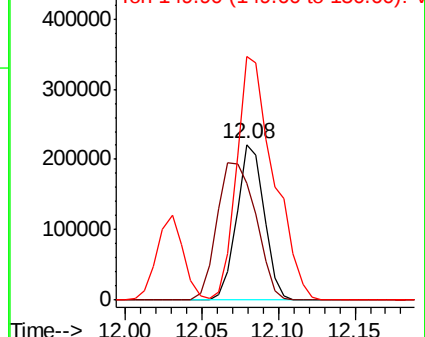
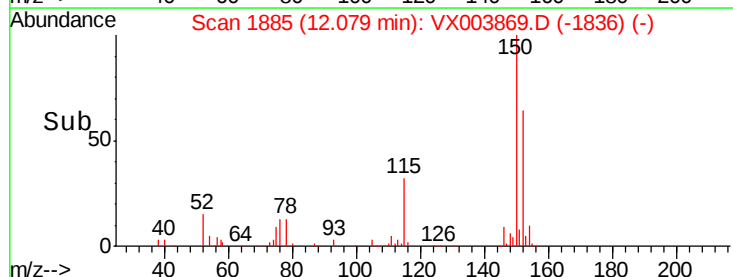
152 100

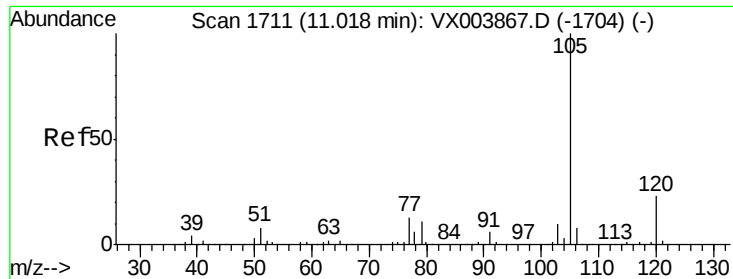
115 125.5 39.1 117.3#

150 211.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 162.911 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

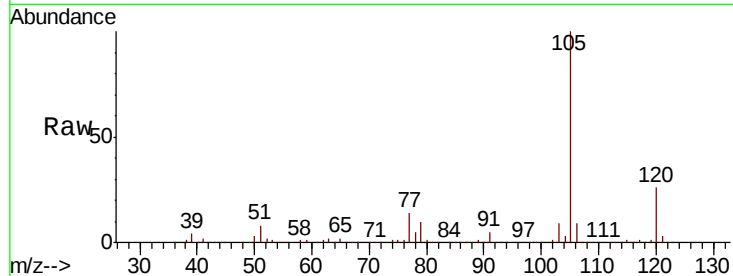
VSTDIC150

Tot Ion:105 Resp: 2996377

Ion Ratio Lower Upper

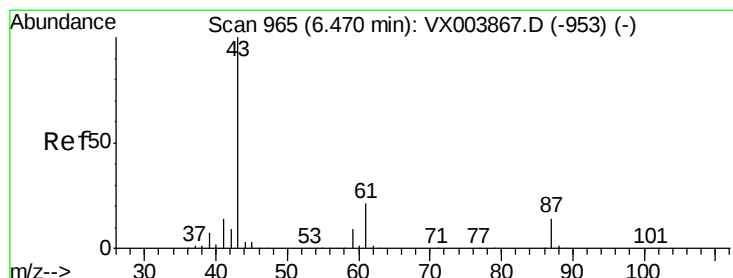
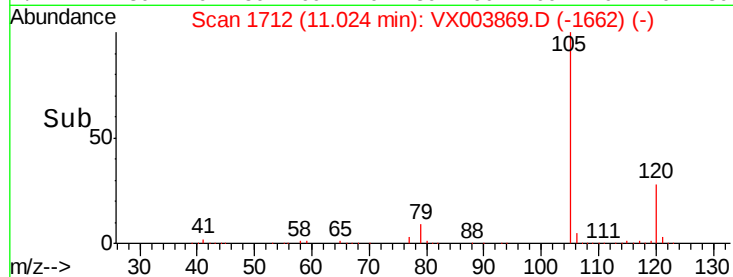
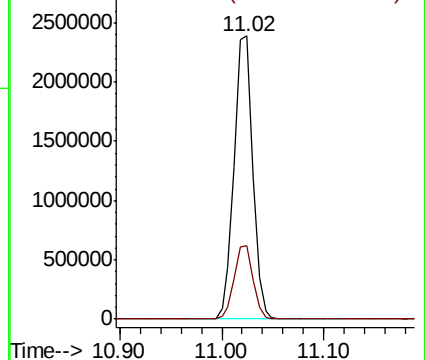
105 100

120 26.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 169.162 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Tgt Ion: 43 Resp: 1525436

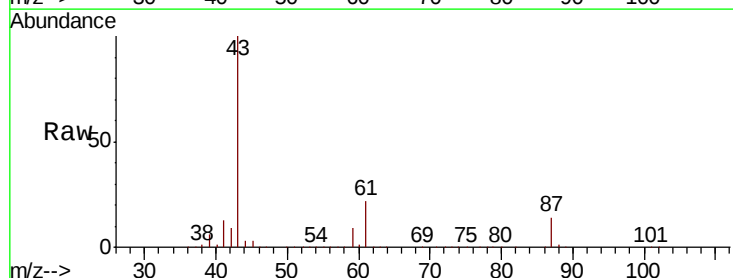
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.1 0.1#

61 21.5 16.9 25.3

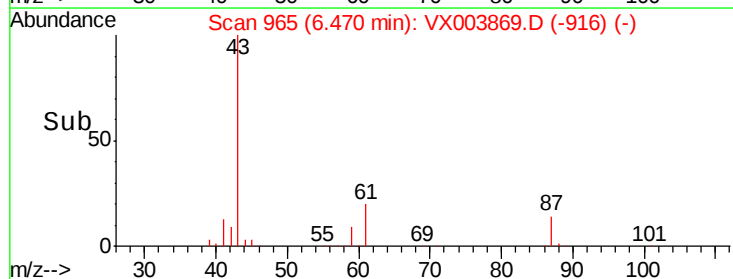
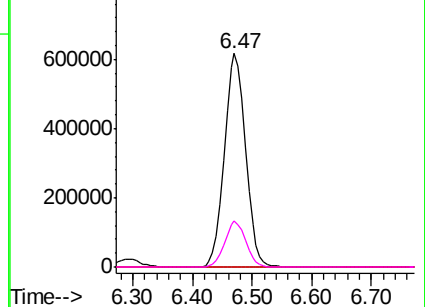


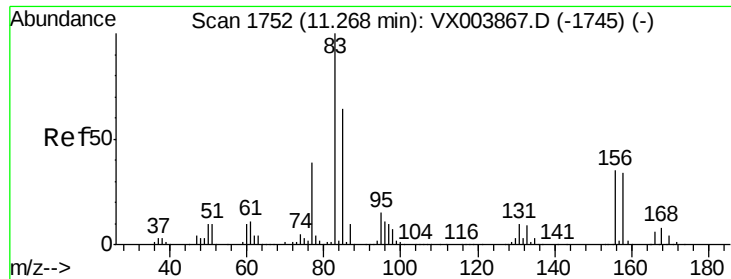
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 164.225 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

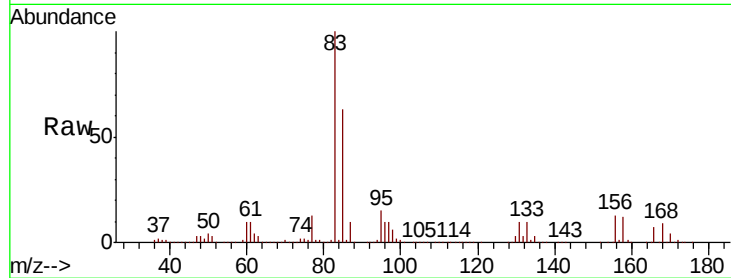
Tot Ion: 83 Resp: 1057991

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

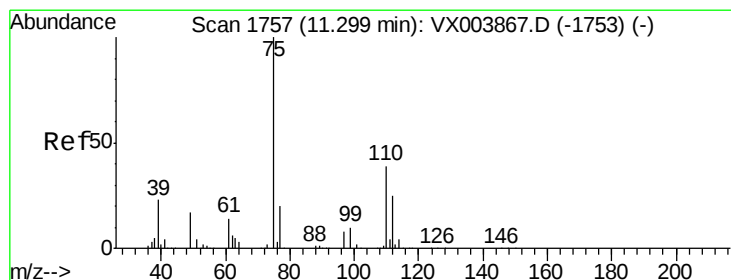
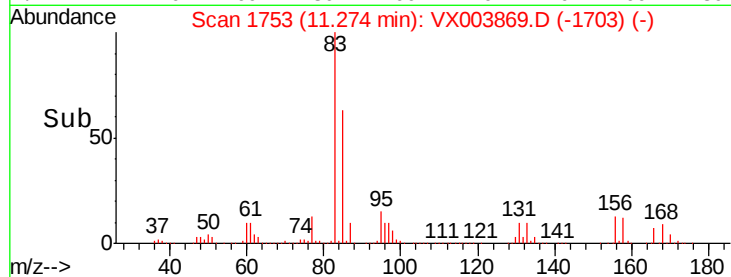
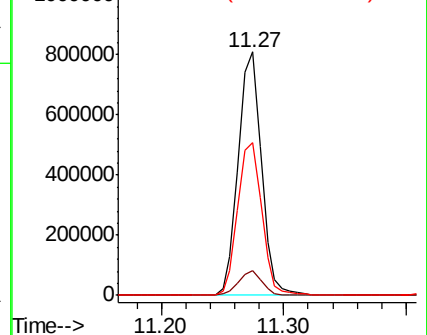
85 65.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 221.308 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003869.D

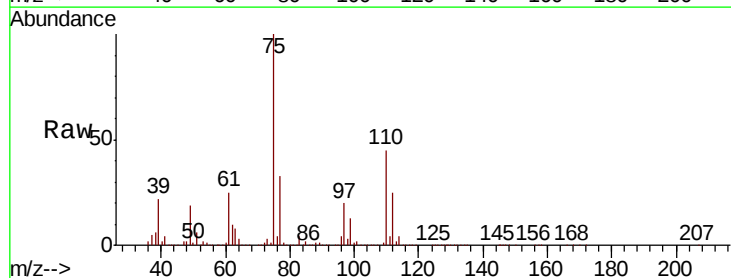
Acq: 06 Aug 2018 18:40

Tgt Ion: 75 Resp: 1235444

Ion Ratio Lower Upper

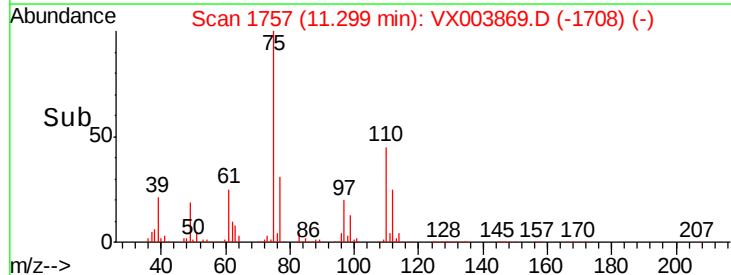
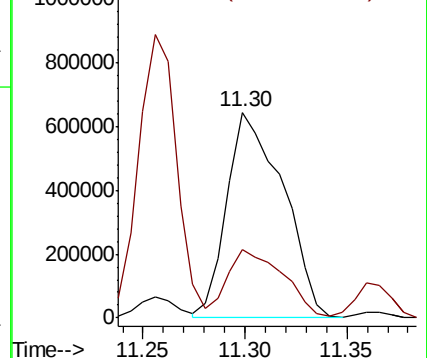
75 100

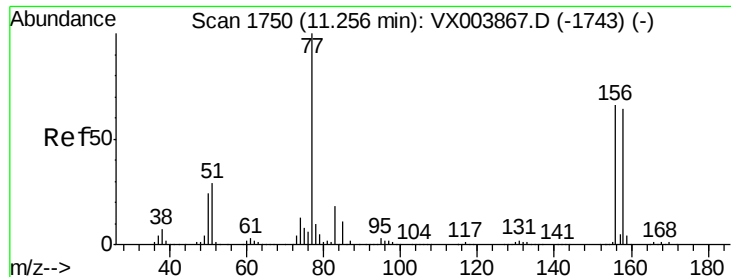
77 32.8 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 157.012 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

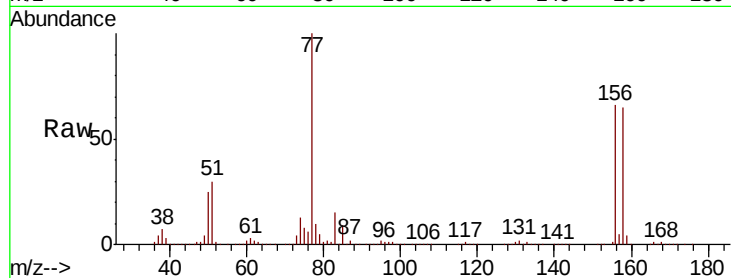
Tot Ion:156 Resp: 788772

Ion Ratio Lower Upper

156 100

77 146.9 74.1 222.2

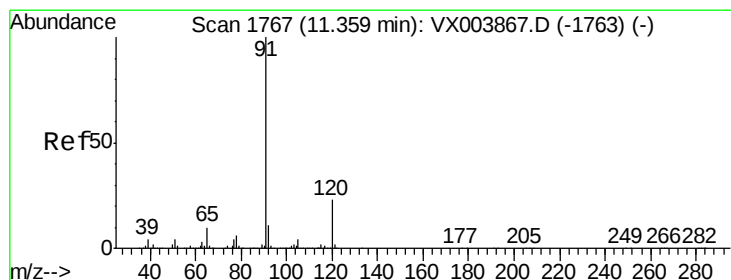
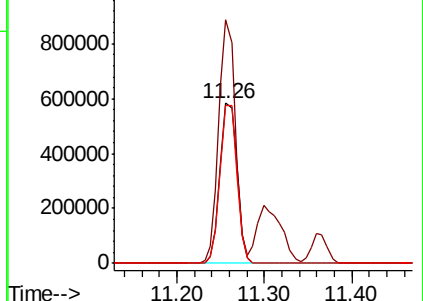
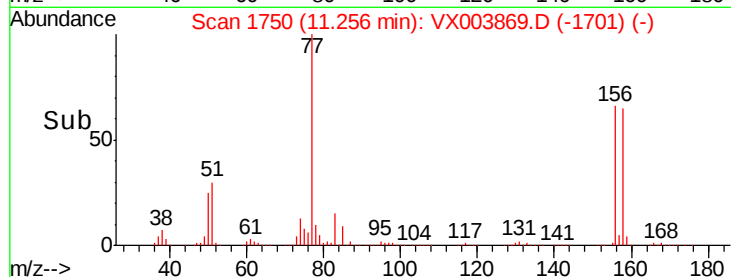
158 97.0 48.6 145.9



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: 170.546 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003869.D

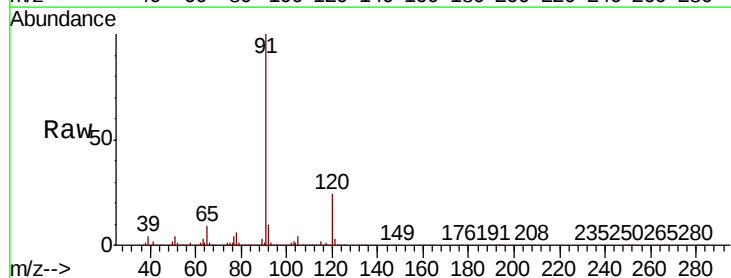
Acq: 06 Aug 2018 18:40

Tgt Ion: 91 Resp: 3493078

Ion Ratio Lower Upper

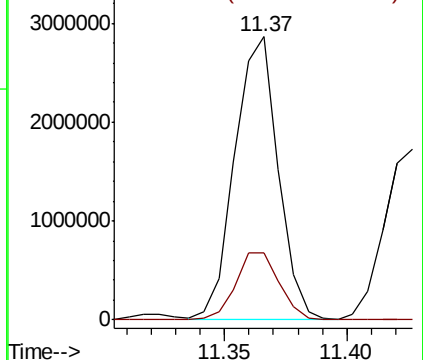
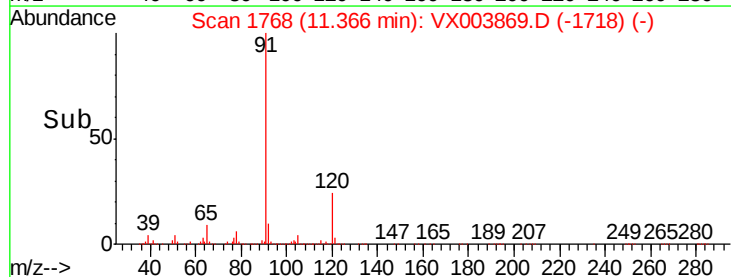
91 100

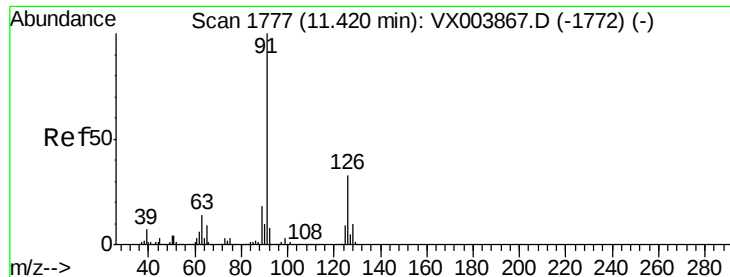
120 24.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

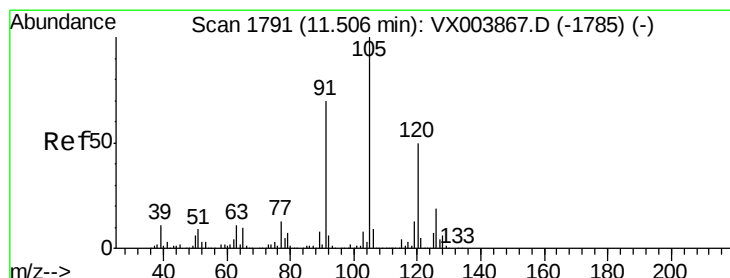
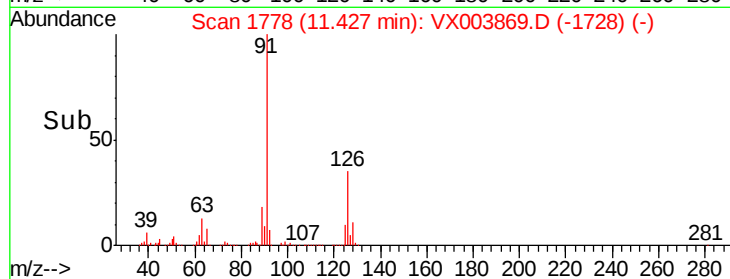
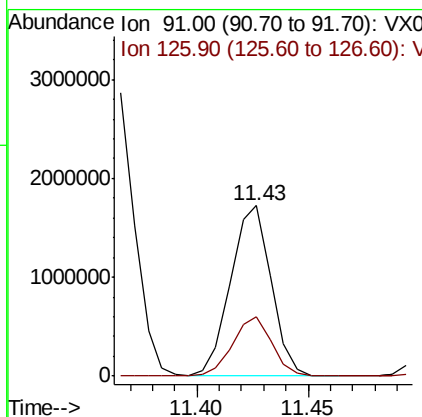
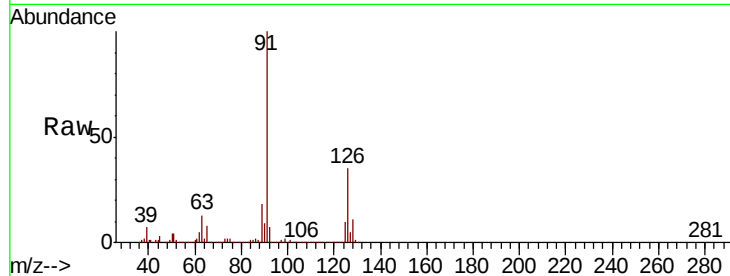




#79
 2-Chlorotoluene
 Concen: 174.411 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

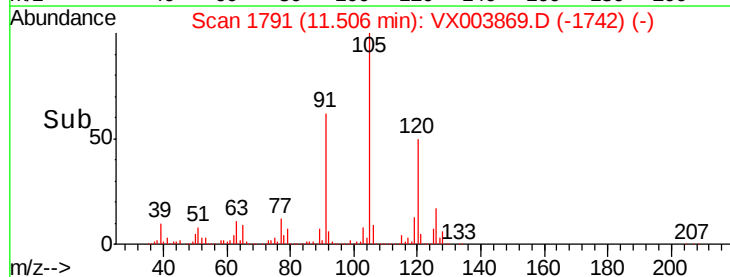
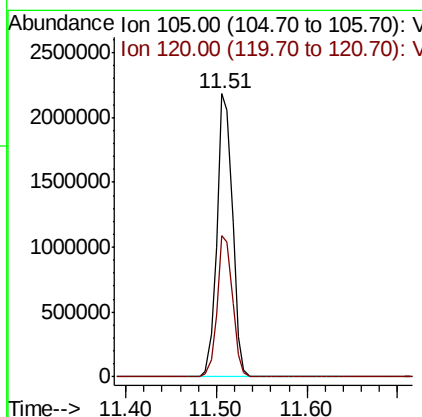
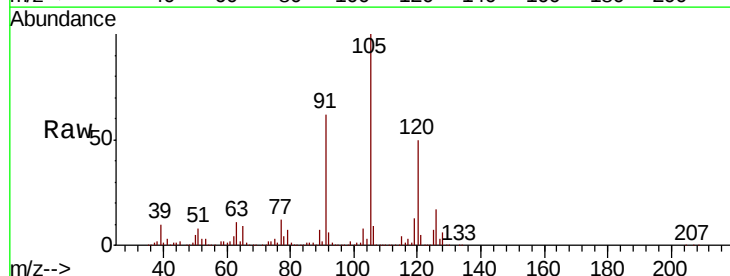
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

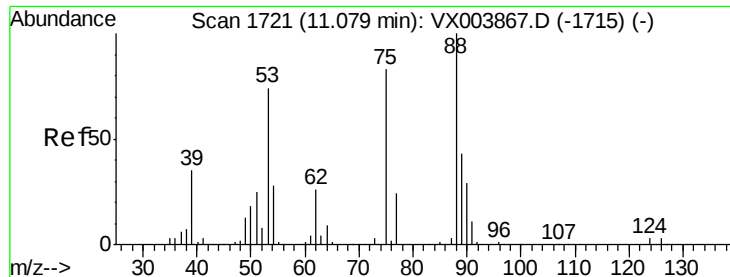
Tot Ion: 91 Resp: 2182131
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 174.858 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion: 105 Resp: 2626743
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 191.961 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

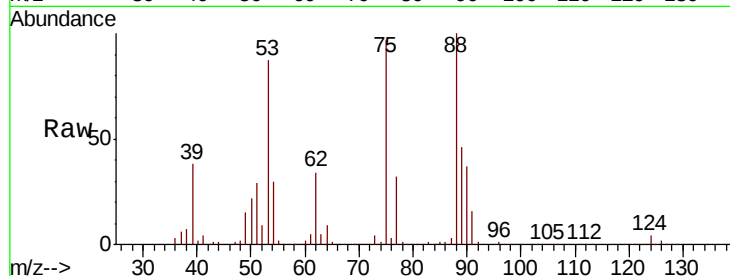
Tot Ion: 75 Resp: 343527

Ion Ratio Lower Upper

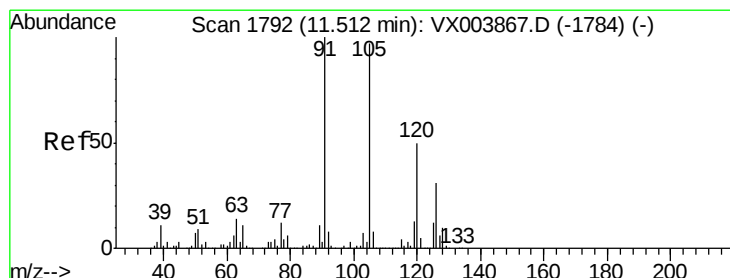
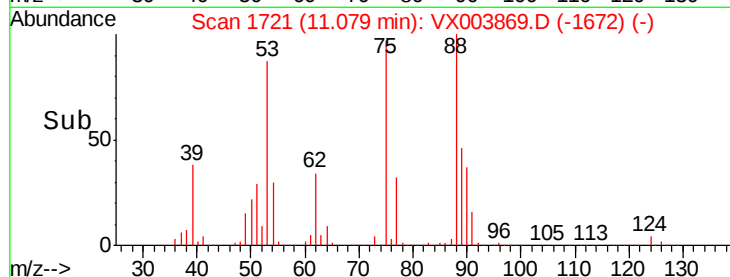
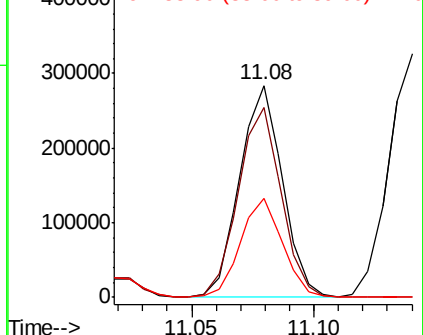
75 100

53 90.4 80.3 120.5

89 46.1 37.8 56.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 175.693 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003869.D

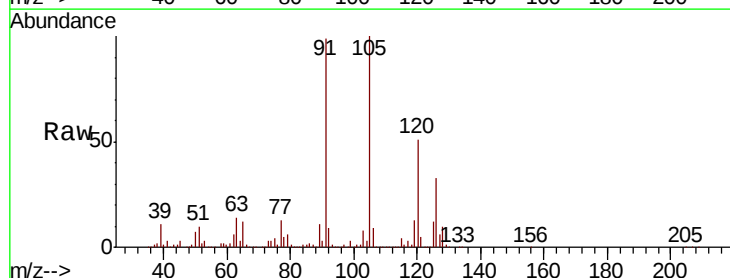
Acq: 06 Aug 2018 18:40

Tgt Ion: 91 Resp: 2544280

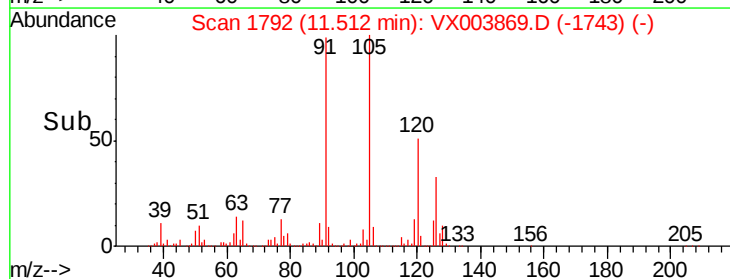
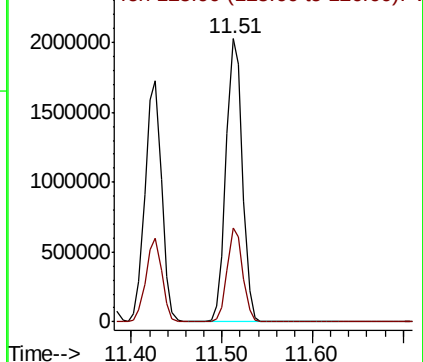
Ion Ratio Lower Upper

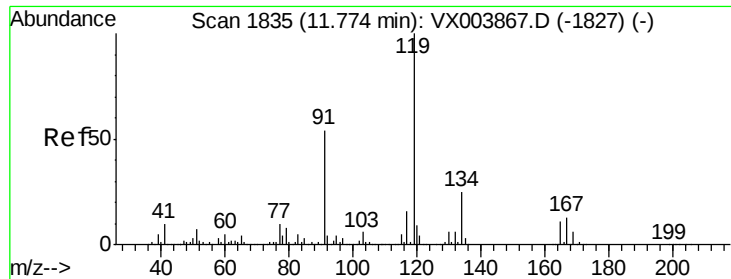
91 100

126 31.6 15.6 46.7



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

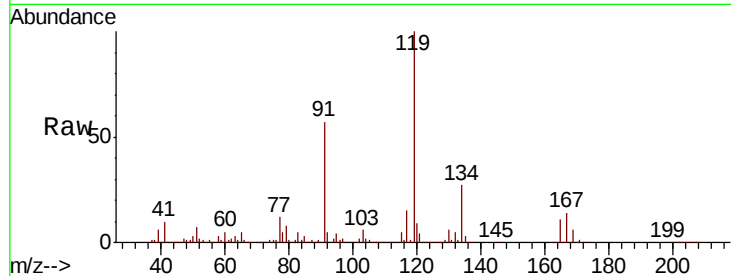




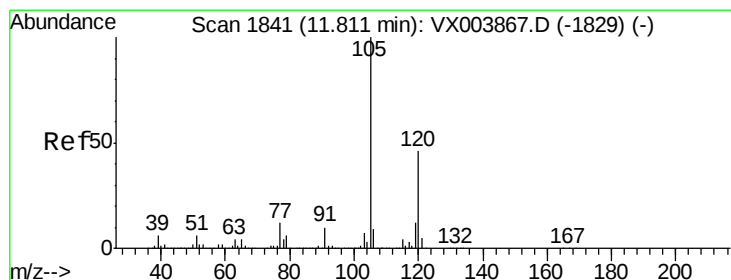
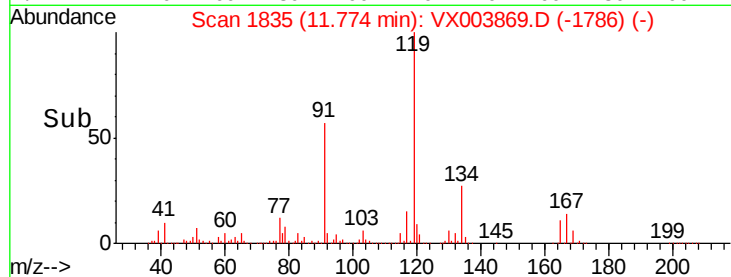
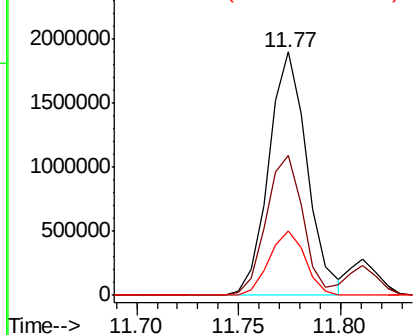
#83
tert-Butylbenzene
Concen: 163.264 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2485825
Ion Ratio Lower Upper
119 100
91 54.9 26.9 80.7
134 25.0 12.0 36.0

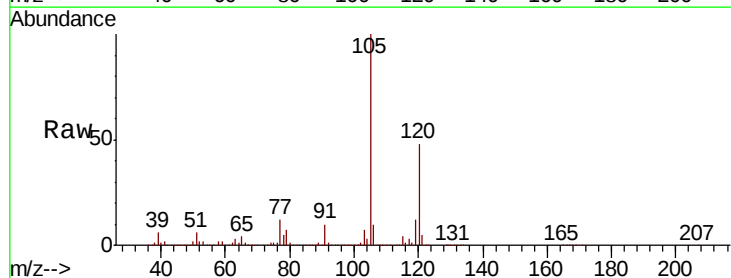


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

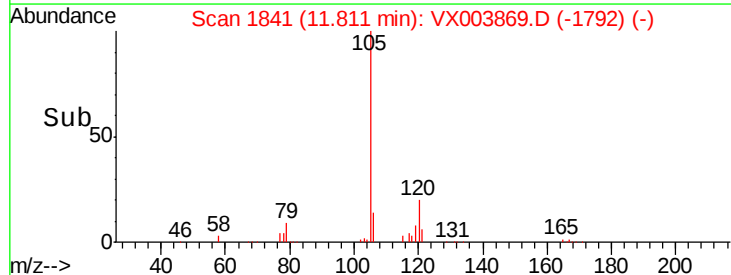
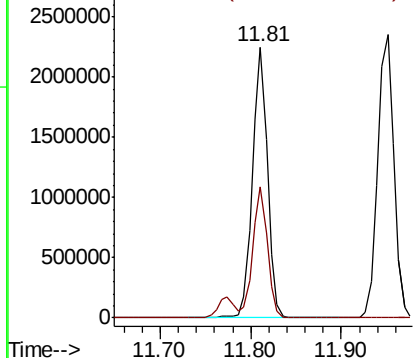


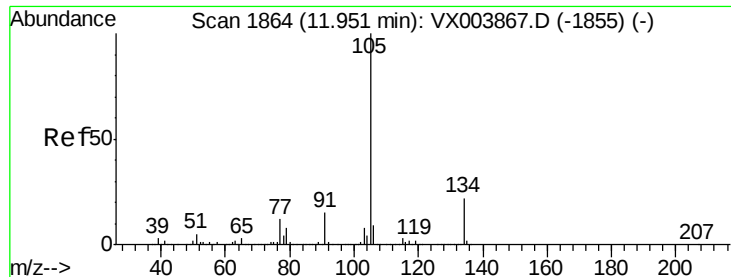
#84
1,2,4-Trimethylbenzene
Concen: 165.760 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion:105 Resp: 2567334
Ion Ratio Lower Upper
105 100
120 47.1 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 162.705 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

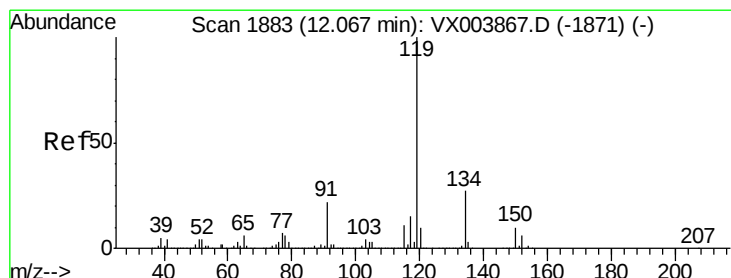
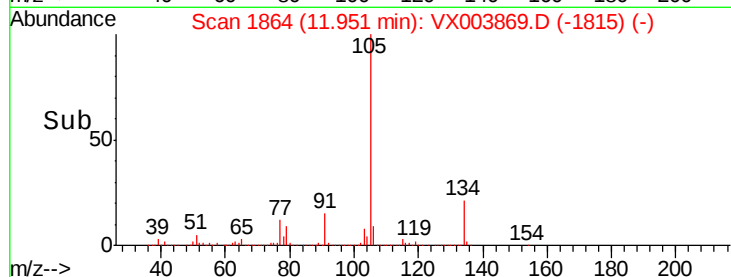
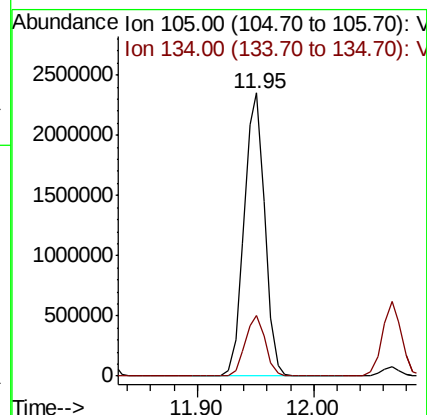
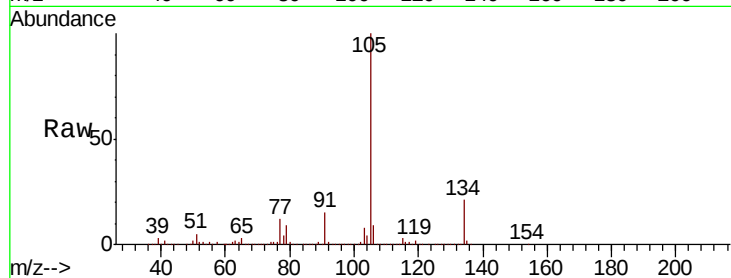
VSTDIC150

Tot Ion:105 Resp: 2896533

Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9



#86

p-Isopropyltoluene

Concen: 164.391 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

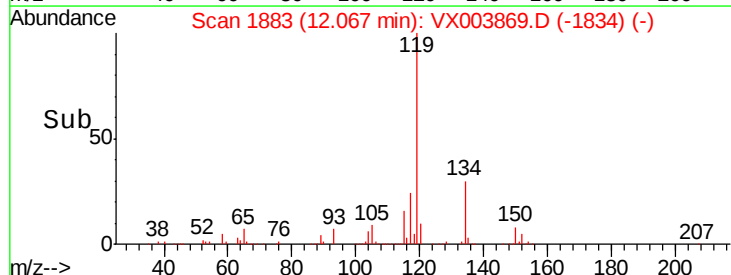
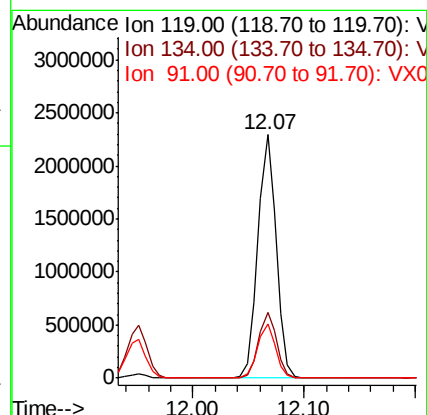
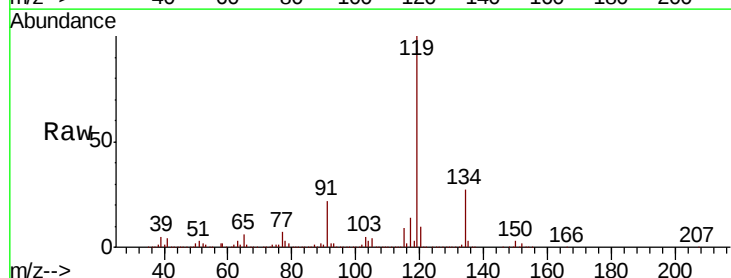
Tgt Ion:119 Resp: 2635620

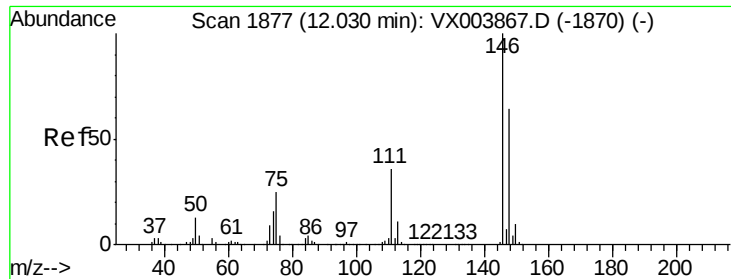
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 150.647 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

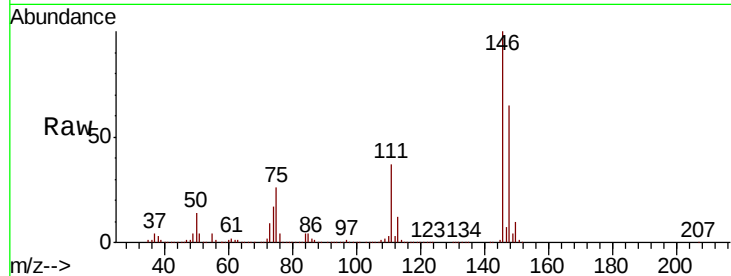
Tot Ion:146 Resp: 1417179

Ion Ratio Lower Upper

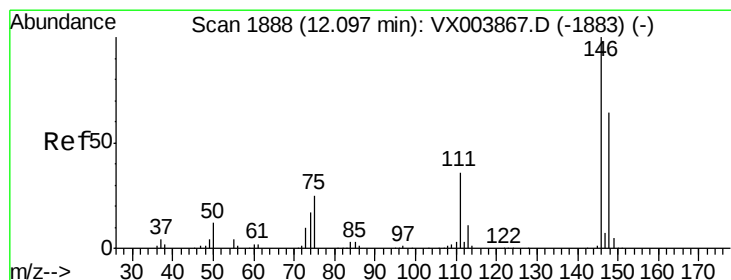
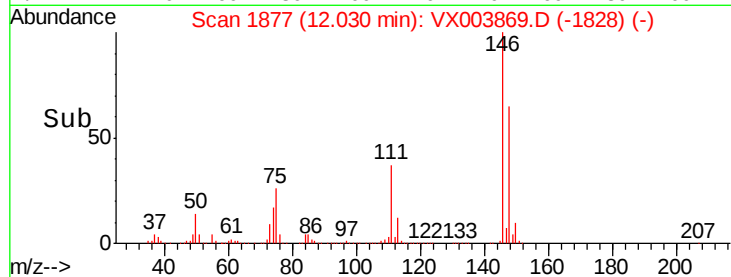
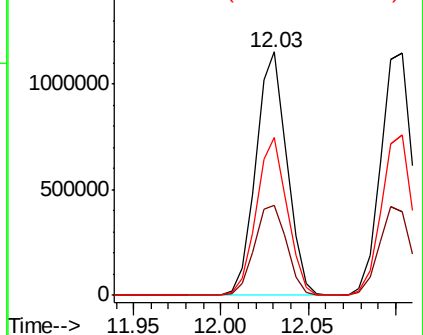
146 100

111 38.7 18.8 56.4

148 64.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 148.959 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

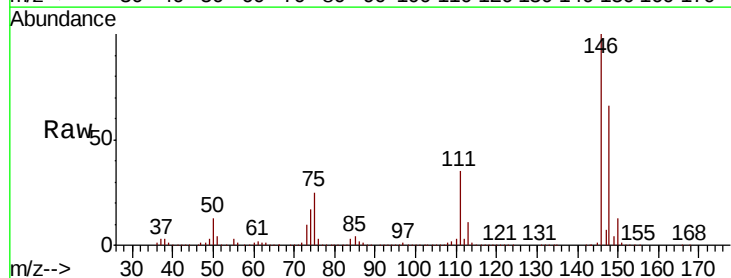
Tgt Ion:146 Resp: 1445508

Ion Ratio Lower Upper

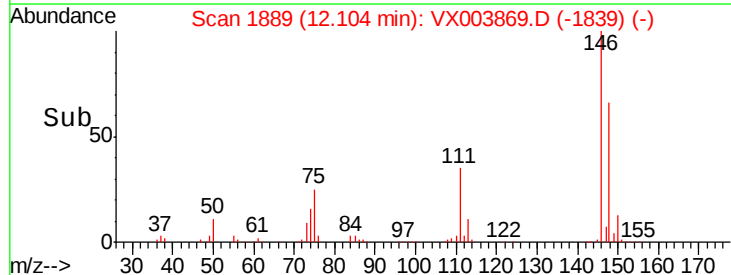
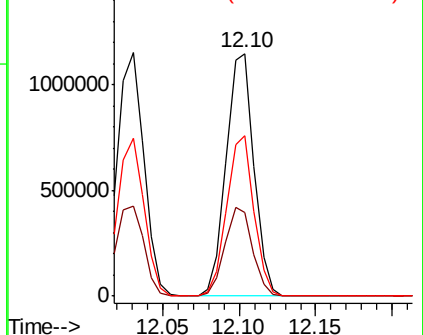
146 100

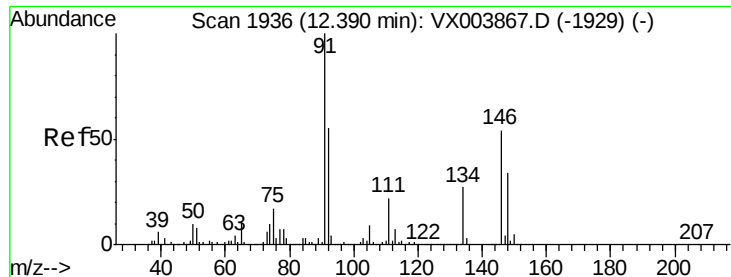
111 36.4 18.4 55.0

148 64.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

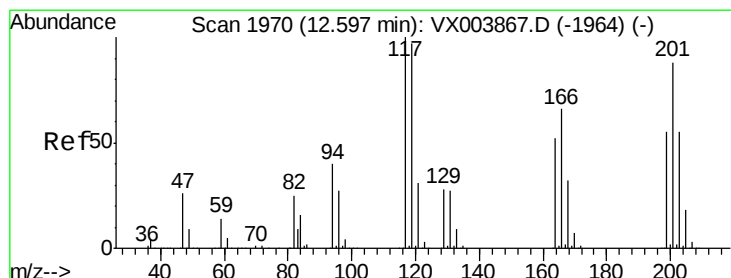
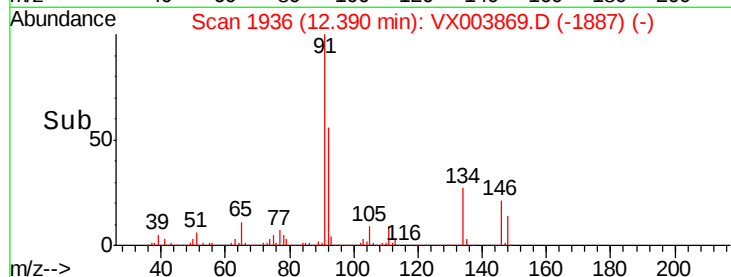
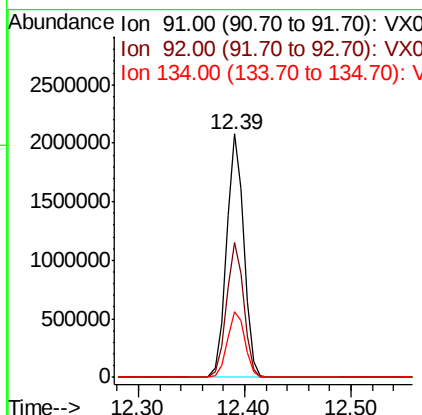
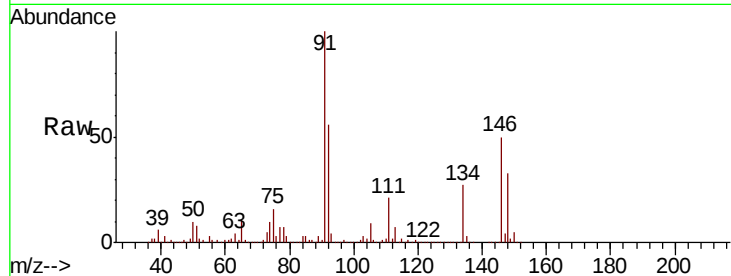




#89
n-Butylbenzene
Concen: 170.200 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

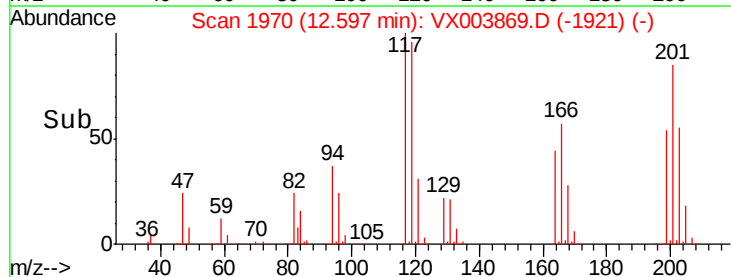
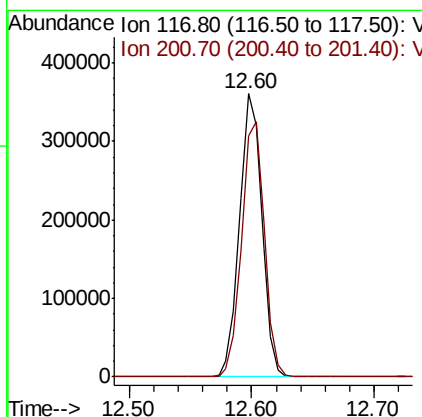
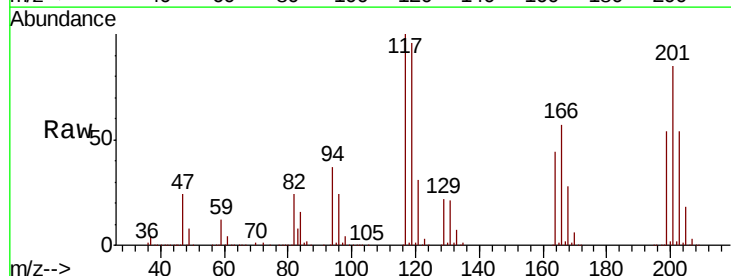
Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

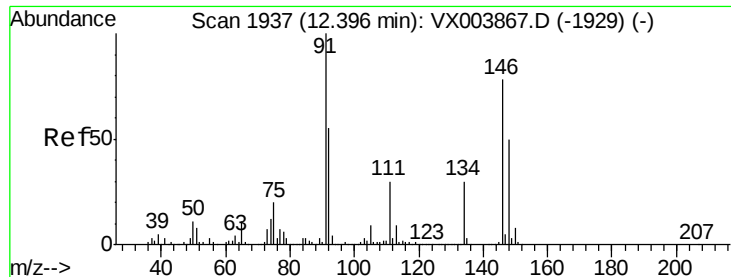
Tot Ion: 91 Resp: 2354495
Ion Ratio Lower Upper
91 100
92 55.5 27.1 81.3
134 27.7 13.6 40.7



#90
Hexachloroethane
Concen: 174.540 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003869.D
Acq: 06 Aug 2018 18:40

Tgt Ion: 117 Resp: 453834
Ion Ratio Lower Upper
117 100
201 91.9 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 151.988 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

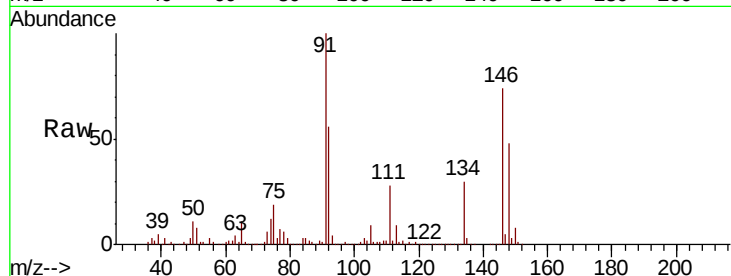
Tot Ion:146 Resp: 1455681

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.0

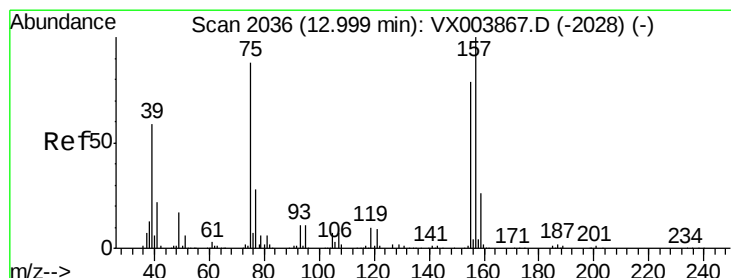
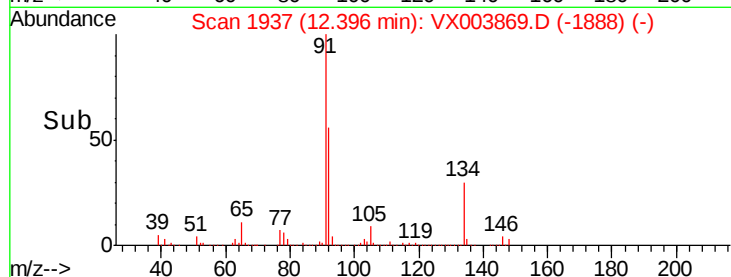
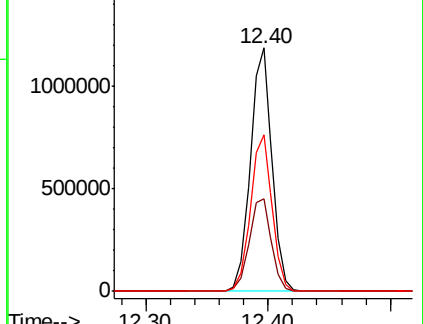
148 64.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 161.011 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

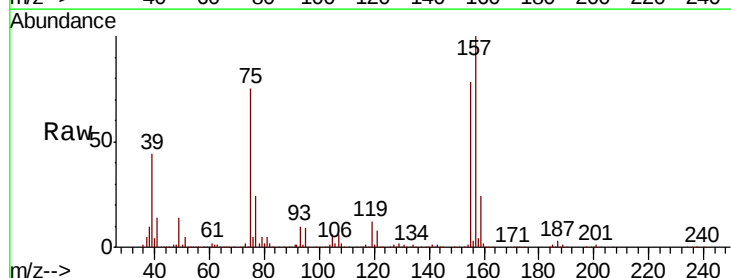
Tgt Ion: 75 Resp: 228762

Ion Ratio Lower Upper

75 100

155 98.7 48.7 146.1

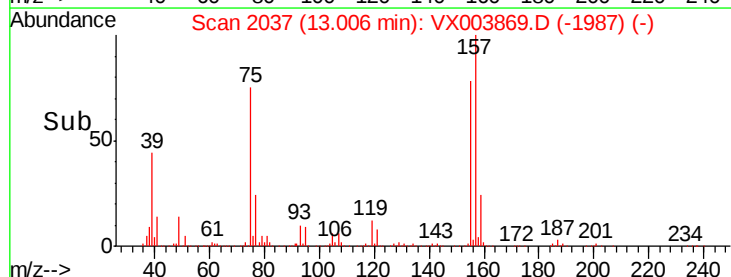
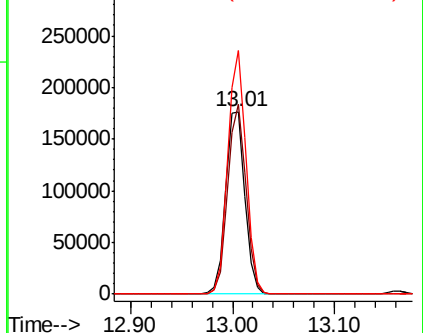
157 126.1 62.6 187.8

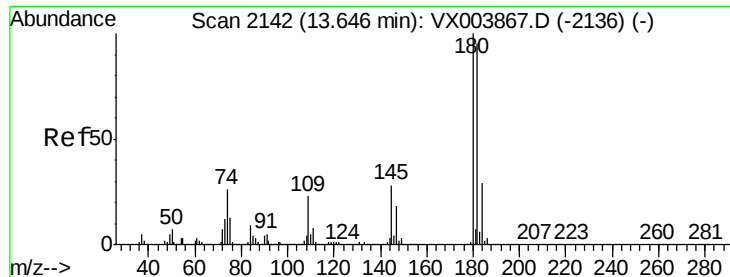


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

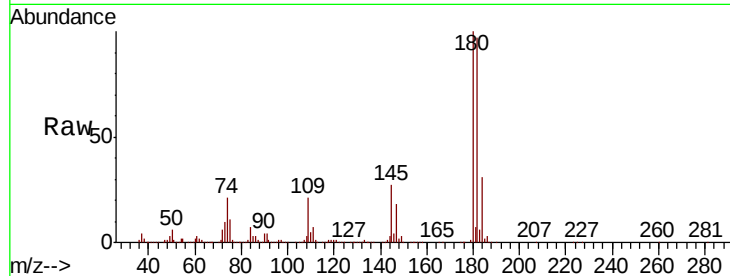




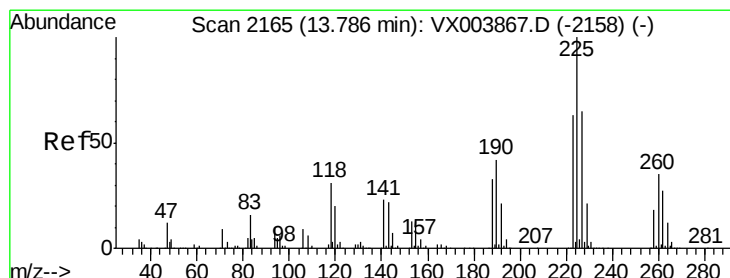
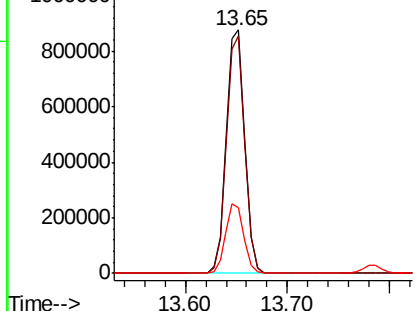
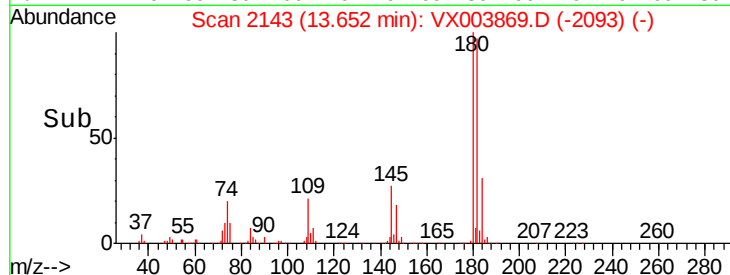
#93
 1,2,4-Trichlorobenzene
 Concen: 160.077 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1087073
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.7 143.1
 145 28.2 13.9 41.6

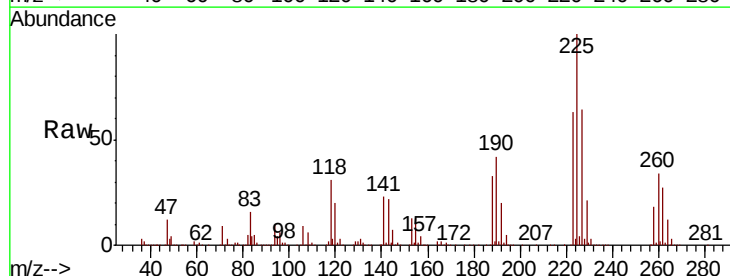


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

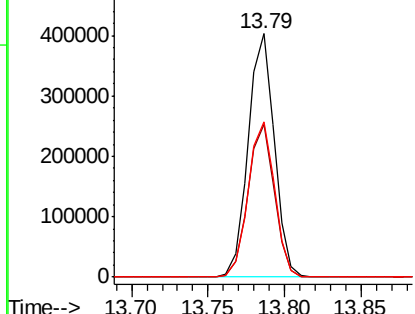
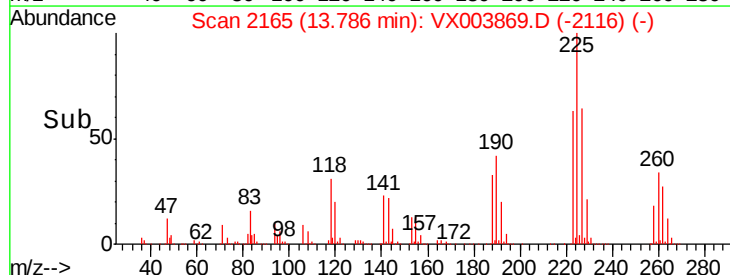


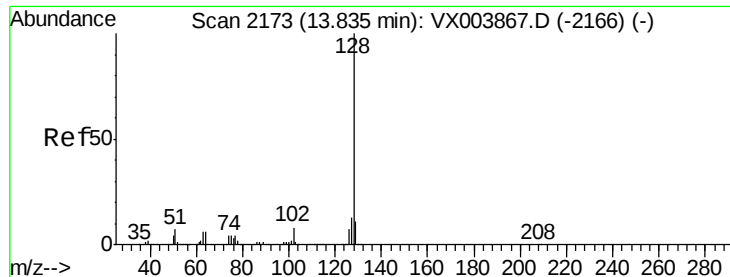
#94
 Hexachlorobutadiene
 Concen: 145.925 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003869.D
 Acq: 06 Aug 2018 18:40

Tgt Ion:225 Resp: 478922
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.0
 227 64.3 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: 168.222 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

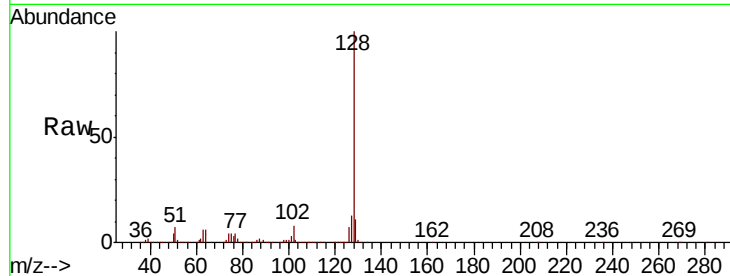
Tot Ion:128 Resp: 3313506

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

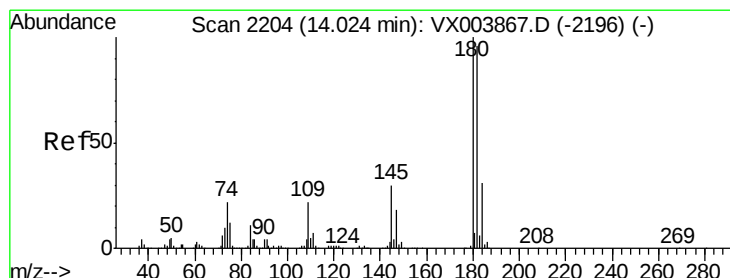
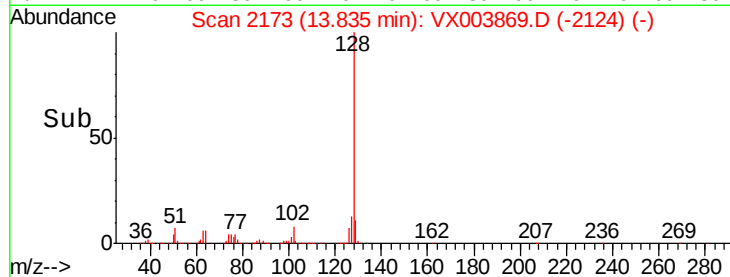
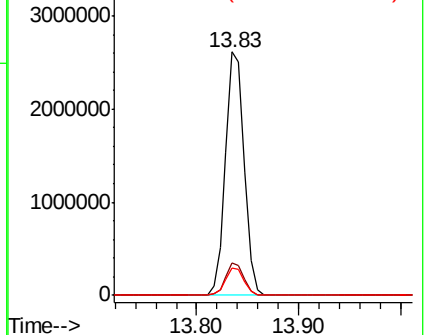
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 154.351 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003869.D

Acq: 06 Aug 2018 18:40

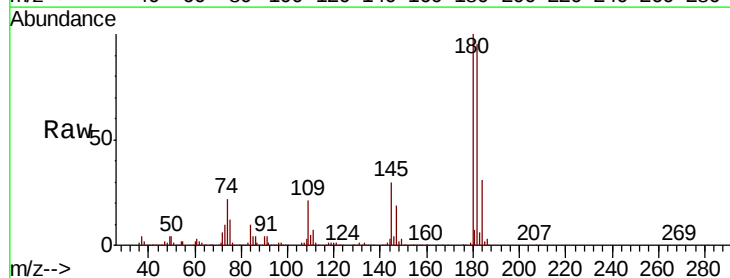
Tgt Ion:180 Resp: 1084419

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.4

145 29.9 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

