

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061520\
 Data File : VX016751.D
 Acq On : 15 Jun 2020 13:03
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 15 13:23:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 15 12:43:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	261329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	397784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	442759	139.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.32%	
35) Dibromofluoromethane	5.47	113	363519	148.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.68%	
50) Toluene-d8	8.70	98	1413230	149.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.68%	
62) 4-Bromofluorobenzene	11.12	95	565500	154.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	435736	166.635	ug/l	100
3) Chloromethane	1.31	50	402927	132.007	ug/l	99
4) Vinyl Chloride	1.39	62	455856	140.493	ug/l	99
5) Bromomethane	1.62	94	251445	153.459	ug/l	99
6) Chloroethane	1.69	64	261196	137.618	ug/l	98
7) Trichlorofluoromethane	1.90	101	659553	152.017	ug/l	97
8) Diethyl Ether	2.17	74	246857	138.968	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	336779	143.159	ug/l	98
10) Methyl Iodide	2.49	142	458145	178.287	ug/l	99
11) Tert butyl alcohol	3.04	59	541168	675.989	ug/l	100
12) 1,1-Dichloroethene	2.35	96	358914	143.841	ug/l	98
13) Acrolein	2.28	56	235647	683.727	ug/l	98
14) Allyl chloride	2.70	41	569649	127.630	ug/l	99
15) Acrylonitrile	3.12	53	1055759	641.718	ug/l	99
16) Acetone	2.43	43	881720	640.931	ug/l	100
17) Carbon Disulfide	2.54	76	1018928	138.482	ug/l	100
18) Methyl Acetate	2.75	43	514244	143.036	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1239327	140.024	ug/l	99
20) Methylene Chloride	2.83	84	387161	133.909	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	385681	140.432	ug/l	99
22) Diisopropyl ether	3.83	45	1060181	124.171	ug/l	94
23) Vinyl Acetate	3.79	43	4636570	624.986	ug/l	100
24) 1,1-Dichloroethane	3.67	63	650103	132.815	ug/l	99
25) 2-Butanone	4.64	43	1438972	624.423	ug/l	97
26) 2,2-Dichloropropane	4.55	77	605665	146.802	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	432946	136.941	ug/l	99
28) Bromochloromethane	4.98	49	281321	124.528	ug/l	100
29) Tetrahydrofuran	5.09	42	923095	620.971	ug/l	100
30) Chloroform	5.18	83	690480	138.828	ug/l	99
31) Cyclohexane	5.55	56	565751	129.822	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	652311	143.951	ug/l	100
36) 1,1-Dichloropropene	5.77	75	526988	141.486	ug/l	100
37) Ethyl Acetate	4.80	43	549830	125.830	ug/l	99
38) Carbon Tetrachloride	5.76	117	595464	150.073	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	609737	150.070	ug/l	98
40) Benzene	6.12	78	1540389	139.188	ug/l	100
41) Methacrylonitrile	5.01	41	294598	122.716	ug/l	99
42) 1,2-Dichloroethane	6.17	62	544497	138.173	ug/l	99
43) Isopropyl Acetate	6.42	43	896012	131.112	ug/l	100
44) Trichloroethene	7.19	130	476103	135.406	ug/l	100
45) 1,2-Dichloropropane	7.49	63	383201	136.715	ug/l	99
46) Dibromomethane	7.64	93	273373	143.745	ug/l	99
47) Bromodichloromethane	7.88	83	576566	146.281	ug/l	100
48) Methyl methacrylate	7.75	41	439714	134.654	ug/l	99
49) 1,4-Dioxane	7.72	88	214219	2778.263	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	2793044	657.999	ug/l	99
52) Toluene	8.77	92	1024895	146.161	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	680742	151.885	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	700684	148.258	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	409830	146.647	ug/l	96
56) Ethyl methacrylate	9.16	69	675757	150.457	ug/l	99
57) 1,3-Dichloropropane	9.35	76	673204	141.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1623764	693.230	ug/l	99
59) 2-Hexanone	9.48	43	2215198	671.928	ug/l	99
60) Dibromochloromethane	9.57	129	504963	159.234	ug/l	99
61) 1,2-Dibromoethane	9.66	107	454833	151.395	ug/l	98
64) Tetrachloroethene	9.32	164	487803	115.870	ug/l	97
65) Chlorobenzene	10.12	112	1133463	145.079	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	452332	150.177	ug/l	98
67) Ethyl Benzene	10.24	91	1986470	143.667	ug/l	99
68) m/p-Xylenes	10.34	106	1523305	295.561	ug/l	99
69) o-Xylene	10.68	106	742775	148.694	ug/l	99
70) Styrene	10.70	104	1318524	153.936	ug/l	100
71) Bromoform	10.84	173	417683	164.824	ug/l #	98
73) Isopropylbenzene	11.01	105	1983512	140.652	ug/l	100
74) N-amyl acetate	10.88	43	819742	130.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	578432	161.795	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	804767	181.326	ug/l	86
77) Bromobenzene	11.24	156	538515	144.540	ug/l	99
78) n-propylbenzene	11.35	91	2186978	139.417	ug/l	100
79) 2-Chlorotoluene	11.41	91	1332329	138.983	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1691178	143.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	257167	142.843	ug/l	97
82) 4-Chlorotoluene	11.49	91	1589519	140.811	ug/l	99
83) tert-Butylbenzene	11.76	119	1588819	156.416	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1735506	145.884	ug/l	99
85) sec-Butylbenzene	11.93	105	1878872	148.377	ug/l	99
86) p-Isopropyltoluene	12.05	119	1816875	152.823	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	951116	147.753	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	949882	144.273	ug/l	99
89) n-Butylbenzene	12.37	91	1546487	156.780	ug/l	98
90) Hexachloroethane	12.58	117	335011	162.595	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	921765	147.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	165671	145.431	ug/l	98

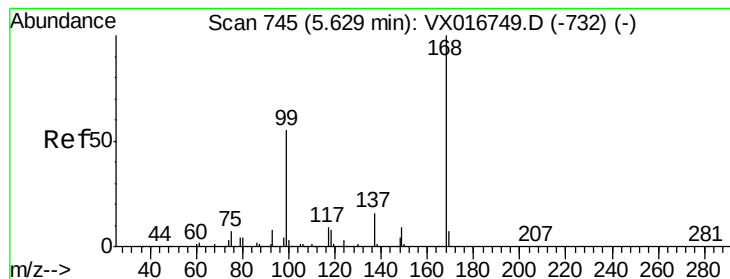
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	684505	164.293	ug/l	99
94) Hexachlorobutadiene	13.76	225	295913	174.641	ug/l	98
95) Naphthalene	13.82	128	2197830	155.032	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	659505	160.238	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

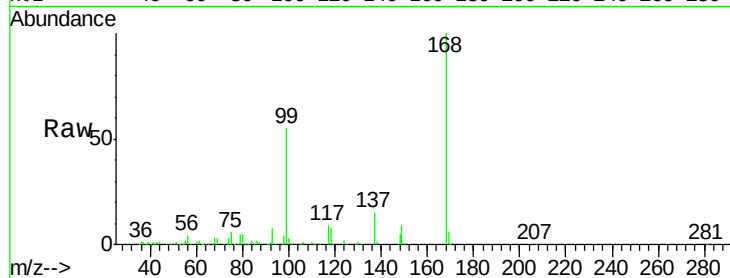
VSTDIC150

Tgt Ion:168 Resp: 261329

Ion Ratio Lower Upper

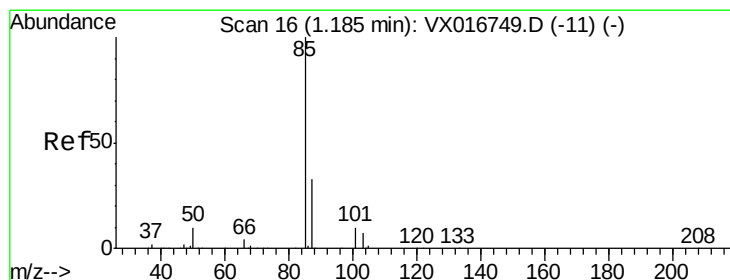
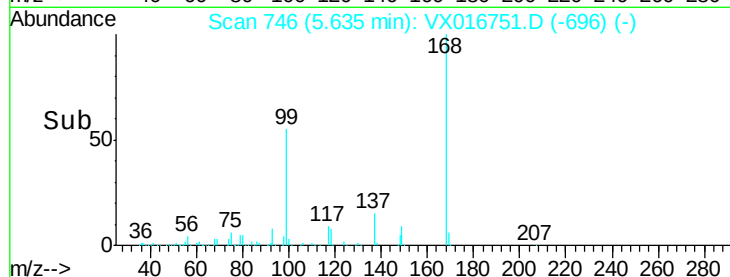
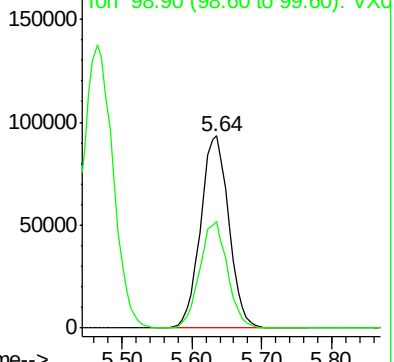
168 100

99 55.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 166.635 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016751.D

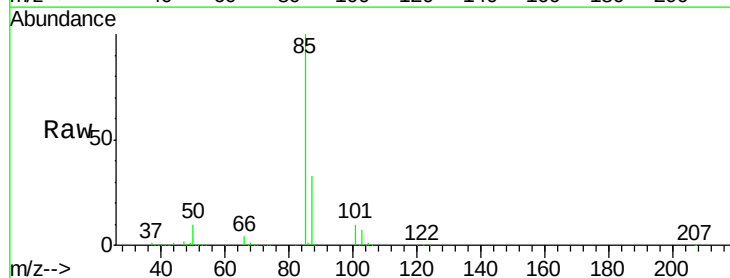
Acq: 15 Jun 2020 13:03

Tgt Ion: 85 Resp: 435736

Ion Ratio Lower Upper

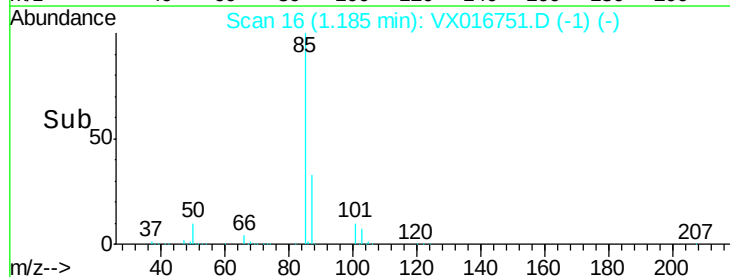
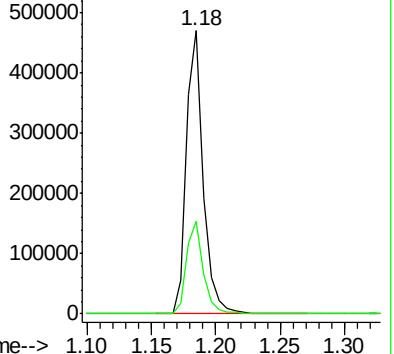
85 100

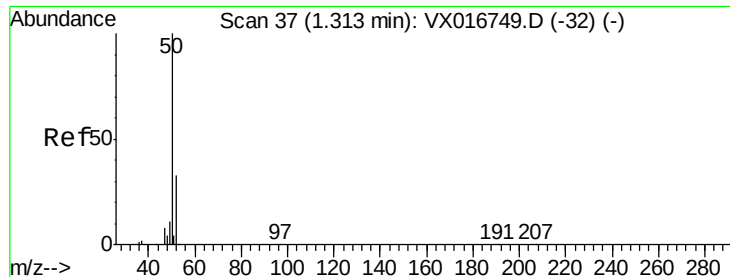
87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 132.007 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

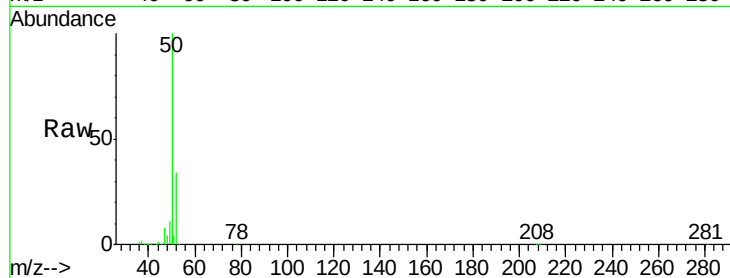
VSTDIC150

Tgt Ion: 50 Resp: 402927

Ion Ratio Lower Upper

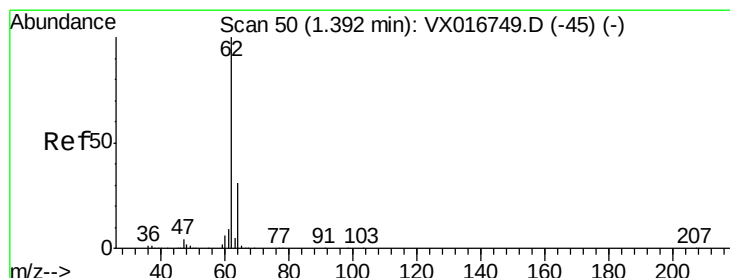
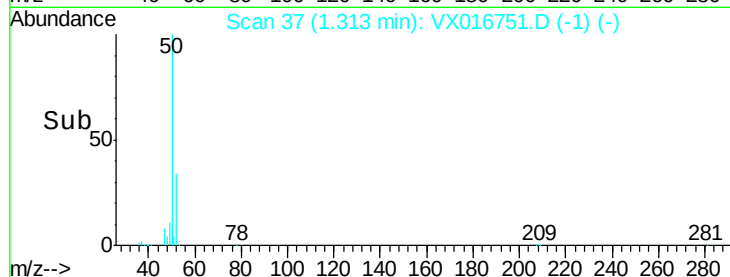
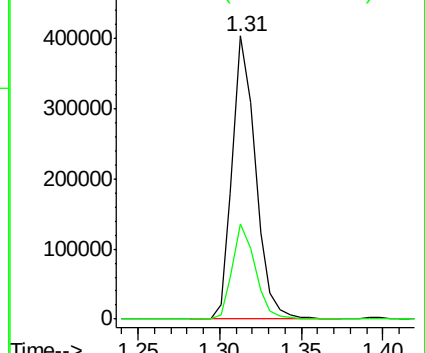
50 100

52 33.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 140.493 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016751.D

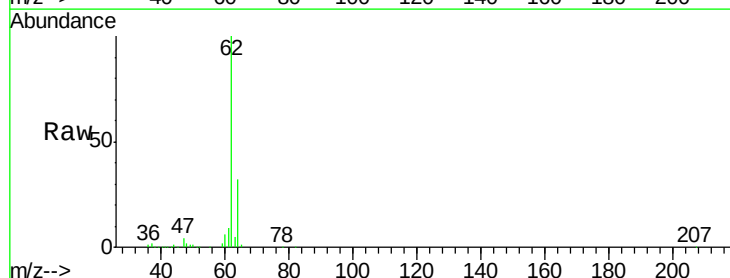
Acq: 15 Jun 2020 13:03

Tgt Ion: 62 Resp: 455856

Ion Ratio Lower Upper

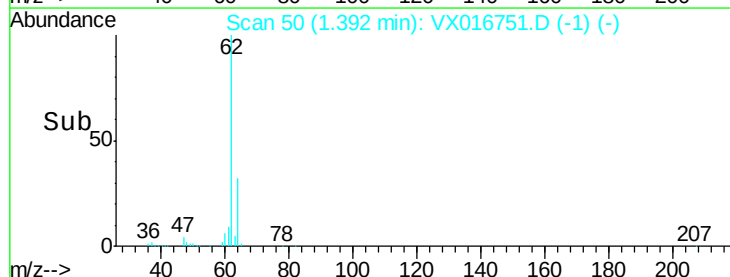
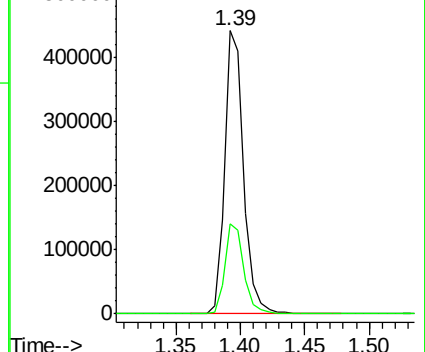
62 100

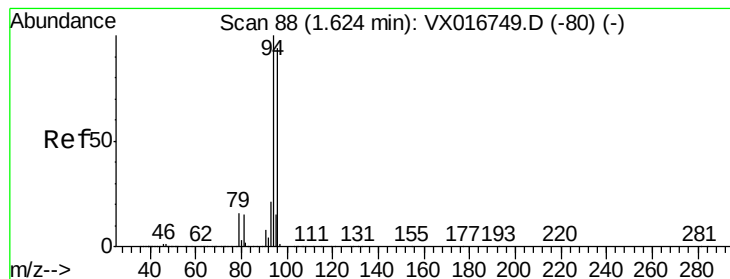
64 31.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 153.459 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

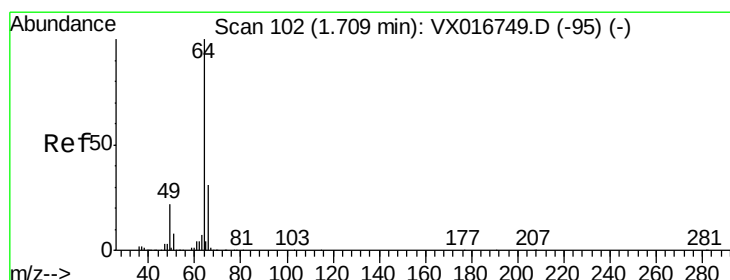
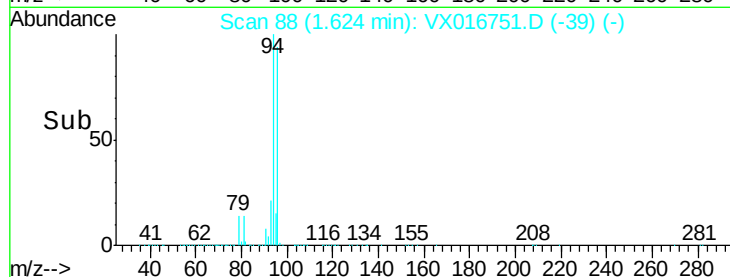
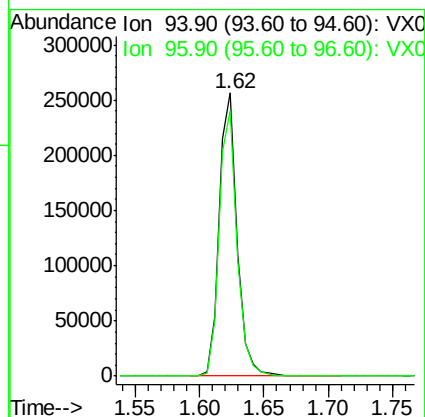
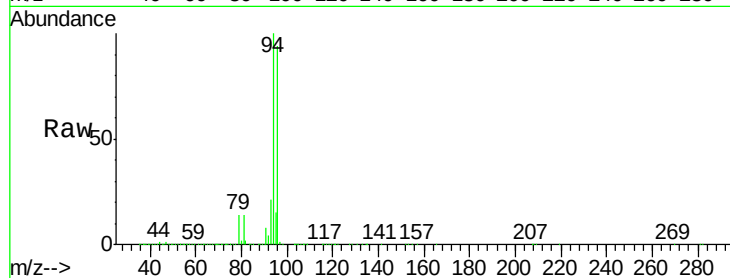
VSTDIC150

Tgt Ion: 94 Resp: 251445

Ion Ratio Lower Upper

94 100

96 93.7 75.4 113.0



#6

Chloroethane

Concen: 137.618 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX016751.D

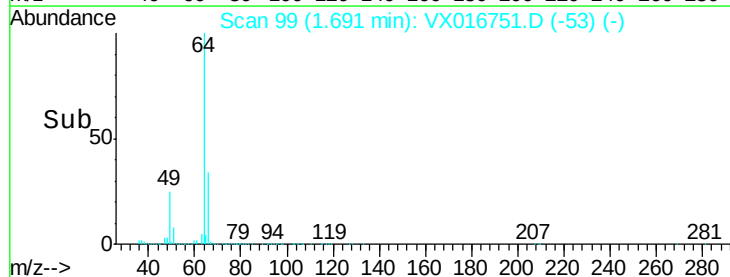
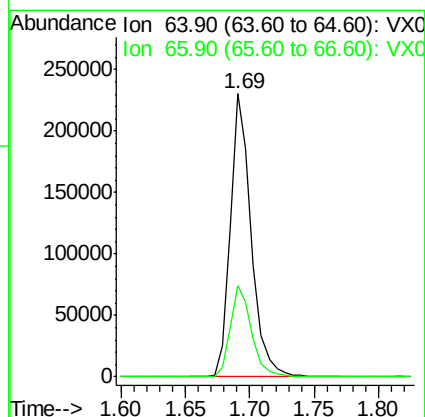
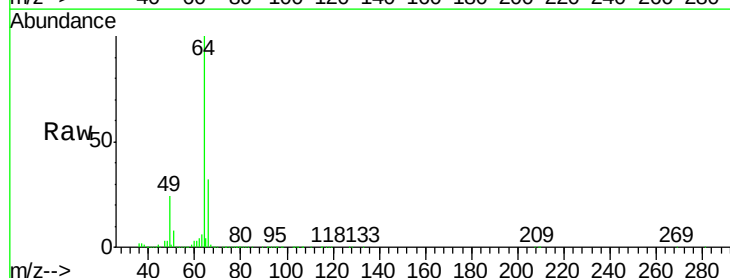
Acq: 15 Jun 2020 13:03

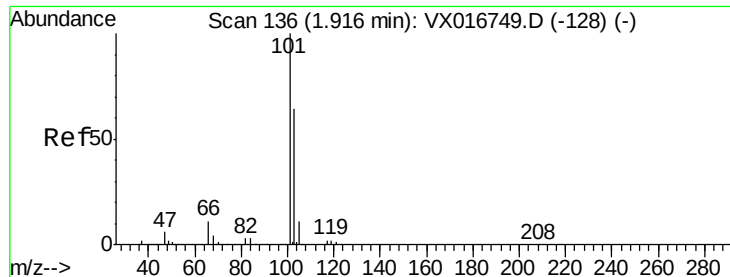
Tgt Ion: 64 Resp: 261196

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.6



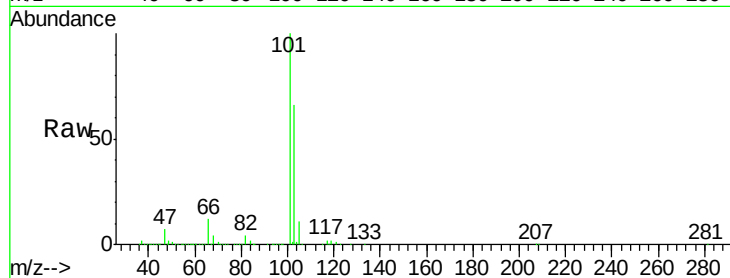


#7

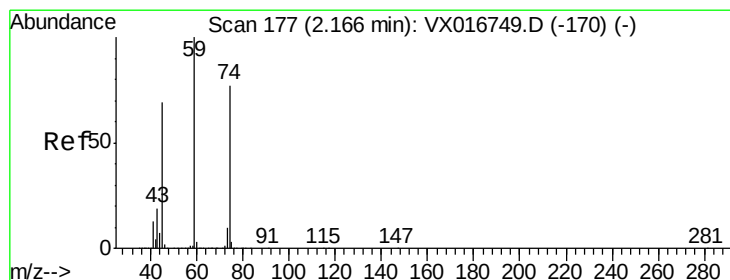
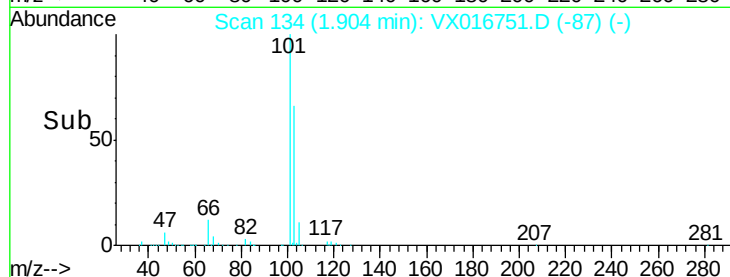
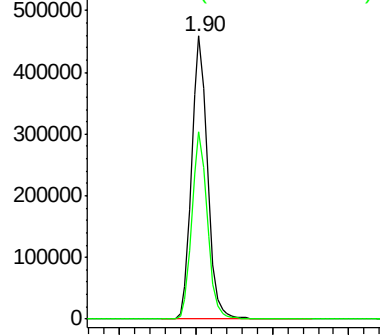
Trichlorofluoromethane
Concen: 152.017 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion: 101 Resp: 659553
Ion Ratio Lower Upper
101 100
103 66.2 51.3 76.9



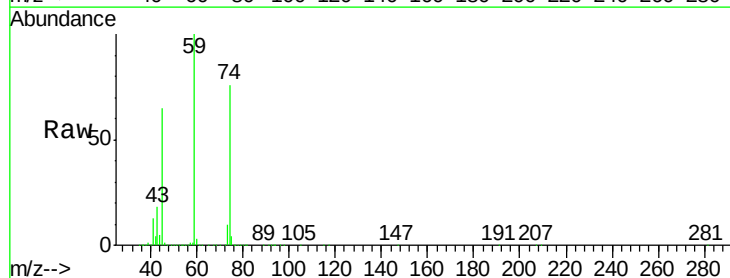
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



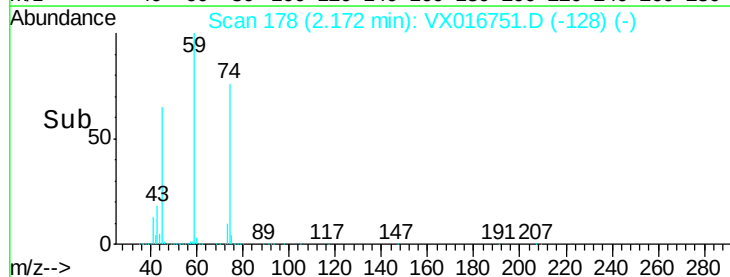
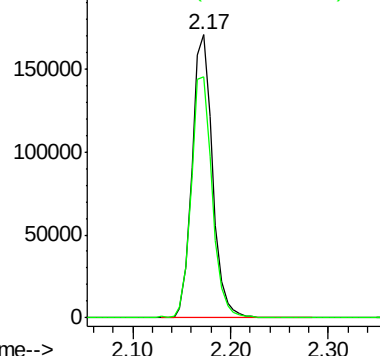
#8

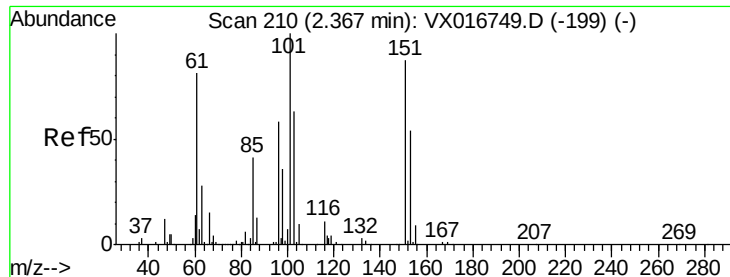
Diethyl Ether
Concen: 138.968 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 74 Resp: 246857
Ion Ratio Lower Upper
74 100
45 87.4 43.5 130.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.159 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

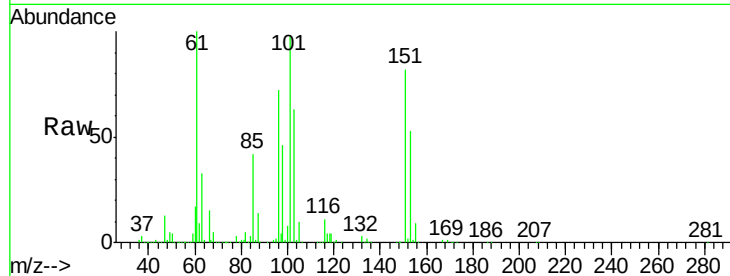
Tgt Ion:101 Resp: 336779

Ion Ratio Lower Upper

101 100

85 42.3 34.0 51.0

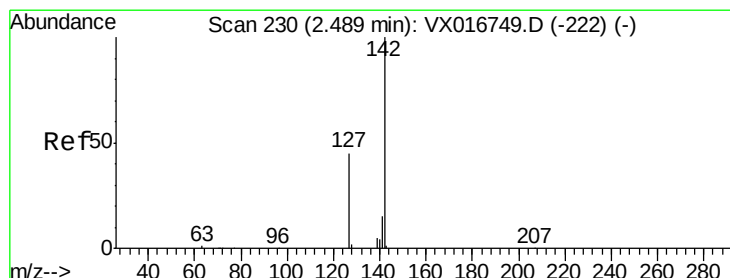
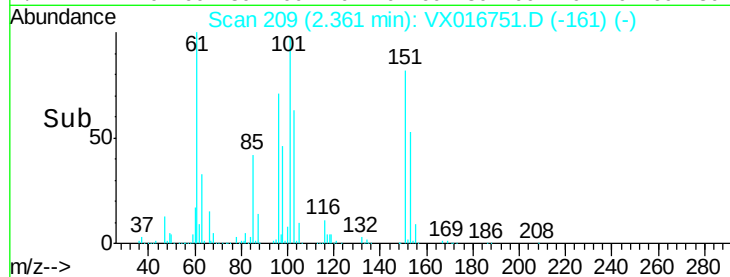
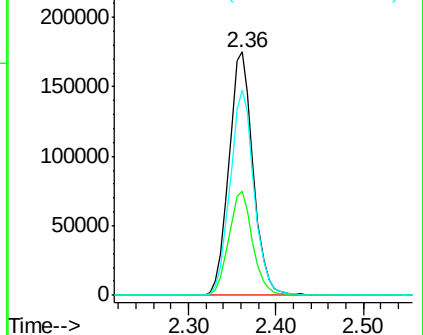
151 83.9 68.7 103.1



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: 178.287 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

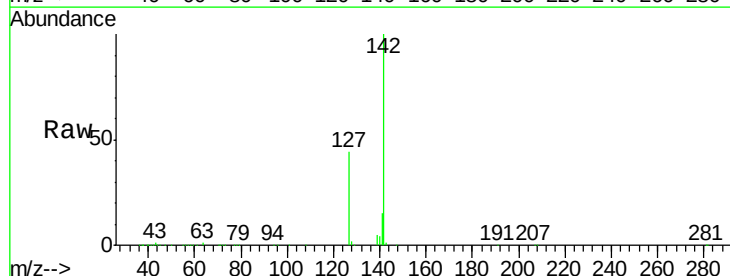
Tgt Ion:142 Resp: 458145

Ion Ratio Lower Upper

142 100

127 43.2 35.4 53.2

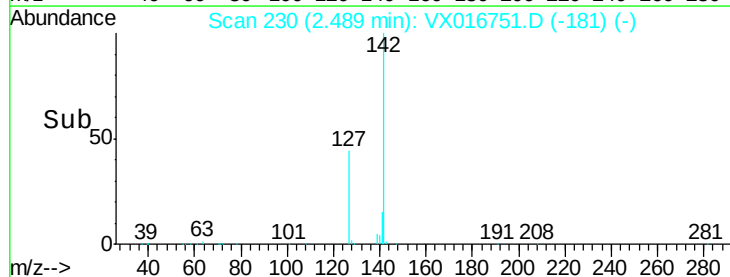
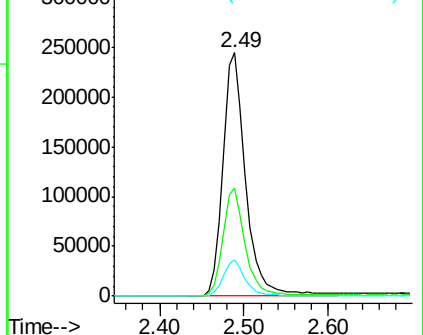
141 14.4 11.7 17.5

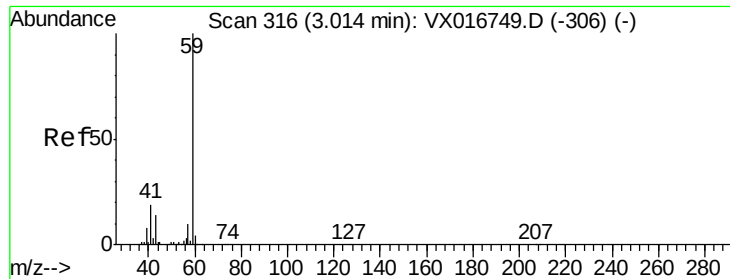


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

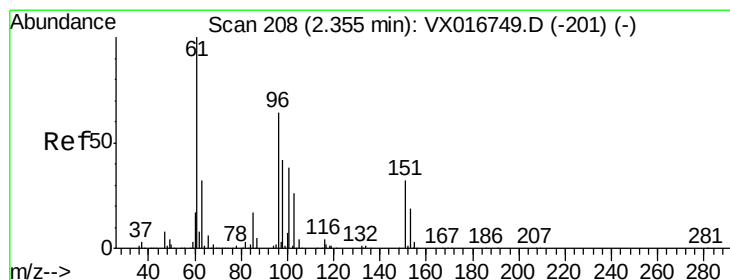
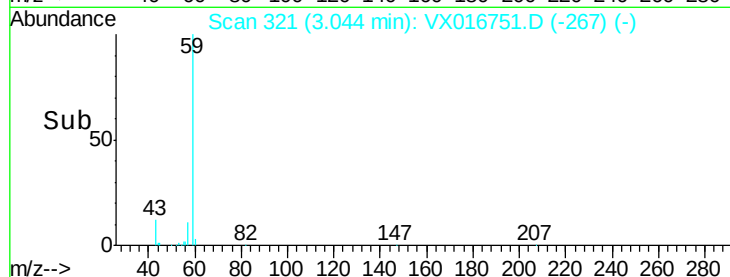
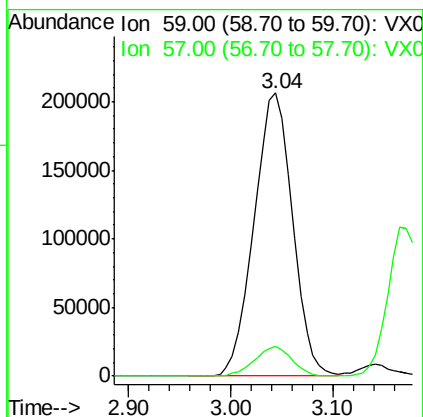
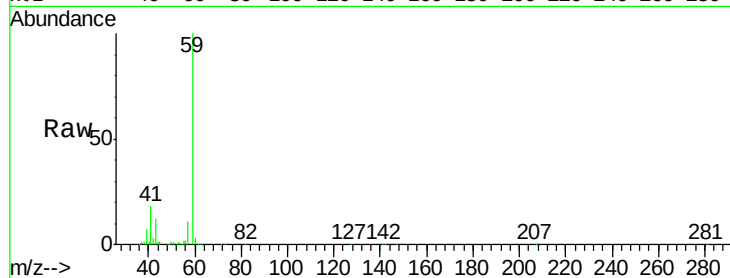




#11
Tert butyl alcohol
Concen: 675.989 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.03 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

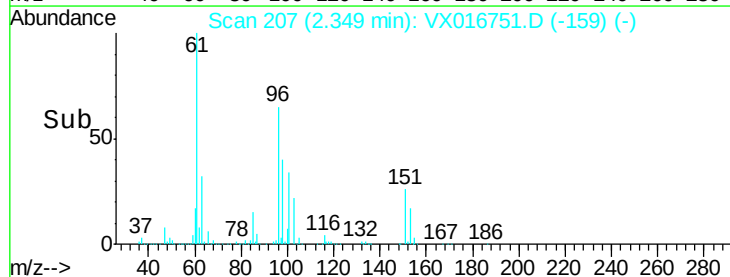
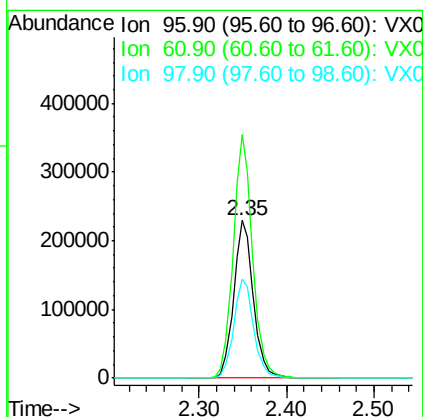
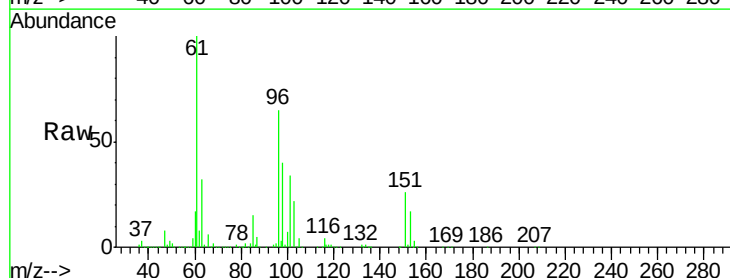
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

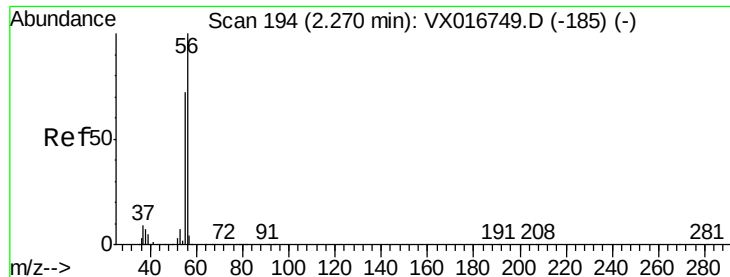
Tgt Ion: 59 Resp: 541168
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 143.841 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 96 Resp: 358914
Ion Ratio Lower Upper
96 100
61 154.4 124.1 186.1
98 62.4 52.7 79.1

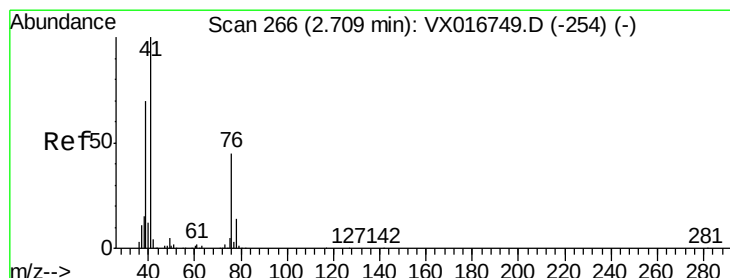
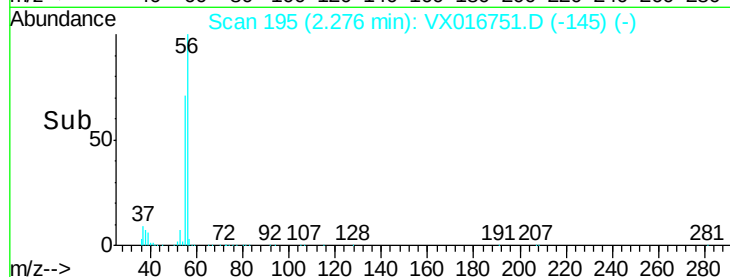
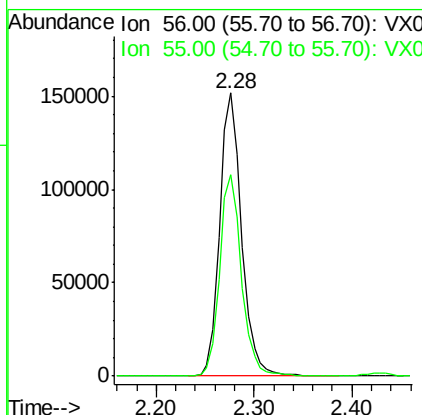
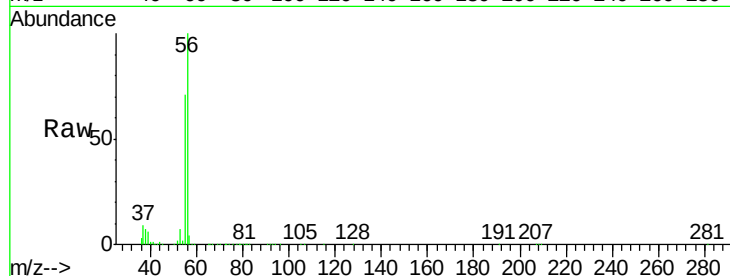




#13
Acrolein
Concen: 683.727 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

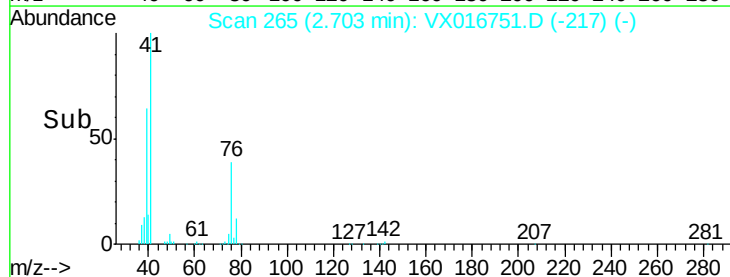
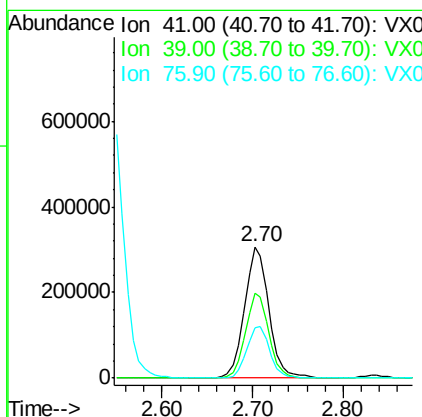
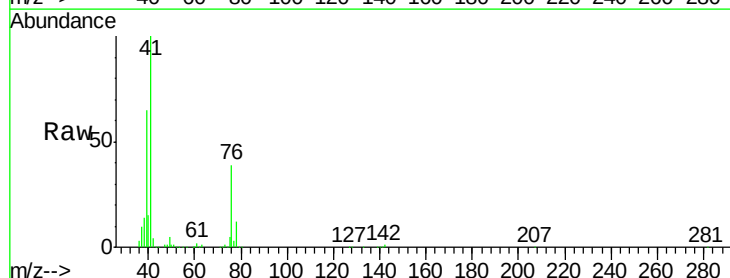
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

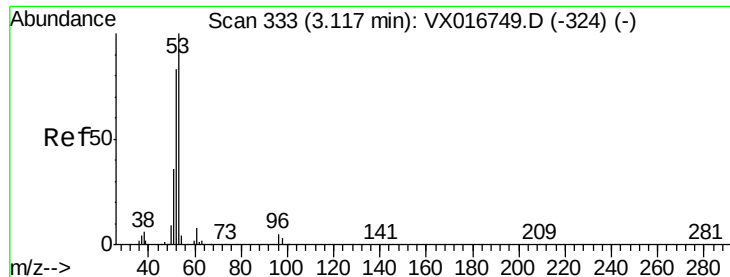
Tgt Ion: 56 Resp: 235647
Ion Ratio Lower Upper
56 100
55 70.8 58.2 87.4



#14
Allyl chloride
Concen: 127.630 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 41 Resp: 569649
Ion Ratio Lower Upper
41 100
39 61.8 50.2 75.4
76 37.6 30.4 45.6





#15

Acrylonitrile

Concen: 641.718 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

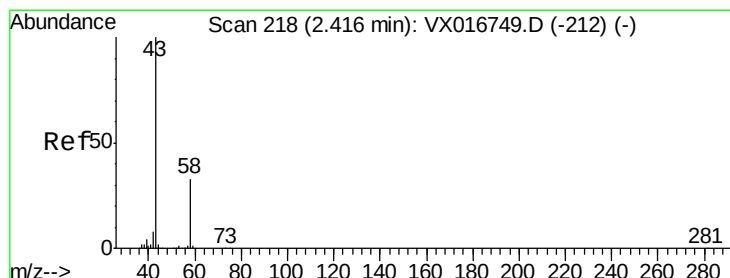
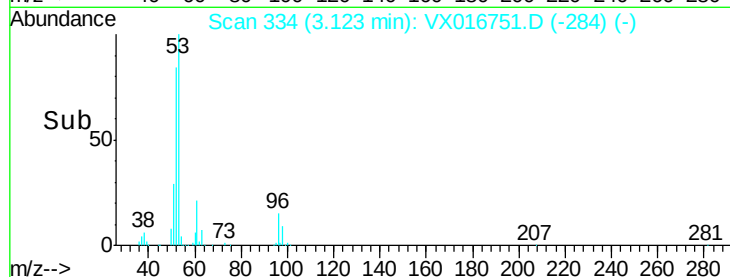
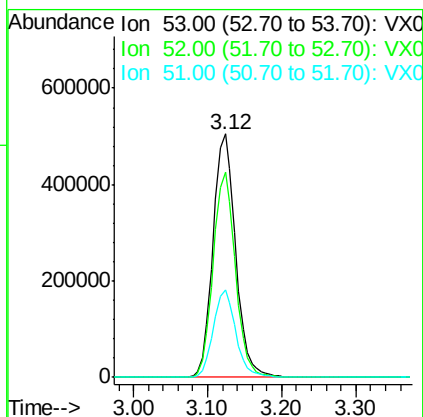
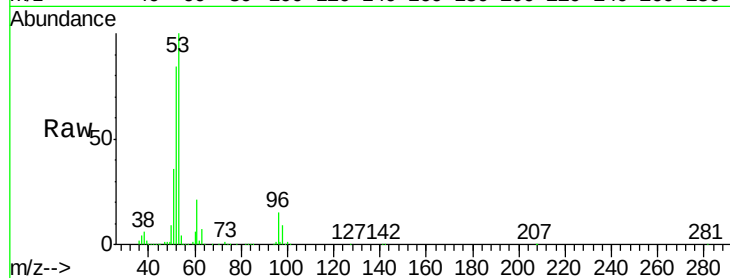
Tgt Ion: 53 Resp: 1055759

Ion Ratio Lower Upper

53 100

52 83.0 65.5 98.3

51 36.1 28.6 42.8



#16

Acetone

Concen: 640.931 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016751.D

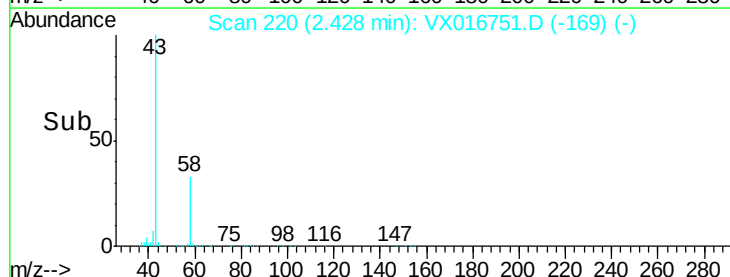
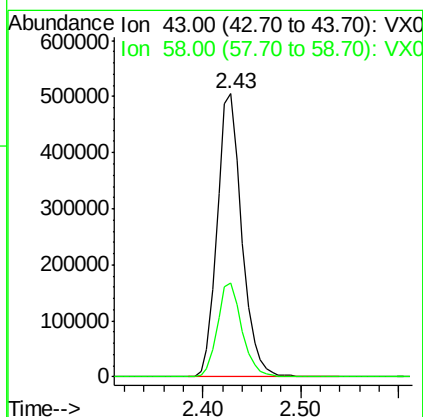
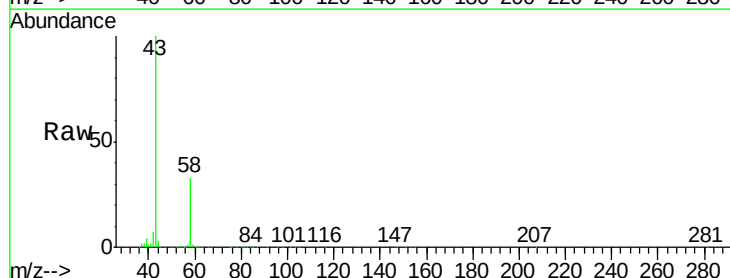
Acq: 15 Jun 2020 13:03

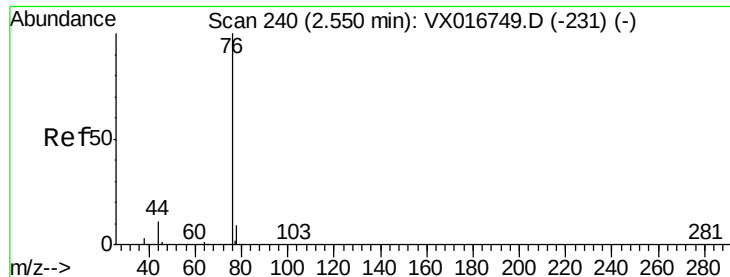
Tgt Ion: 43 Resp: 881720

Ion Ratio Lower Upper

43 100

58 33.1 26.3 39.5





#17

Carbon Disulfide

Concen: 138.482 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

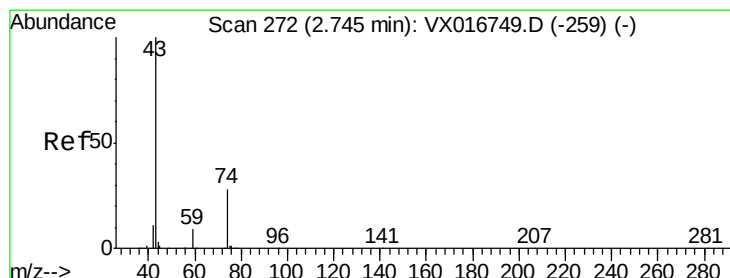
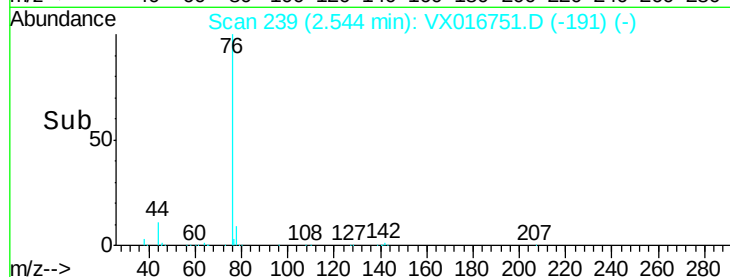
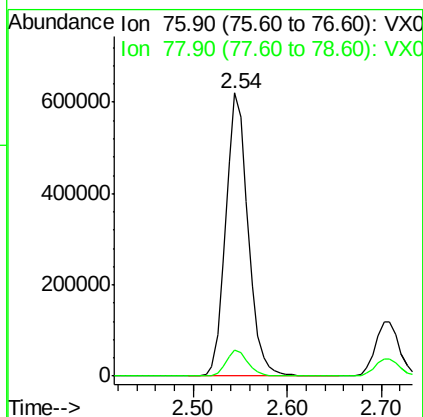
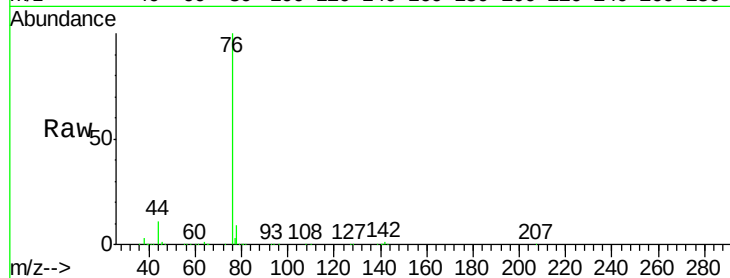
VSTDICC150

Tgt Ion: 76 Resp: 1018928

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



#18

Methyl Acetate

Concen: 143.036 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016751.D

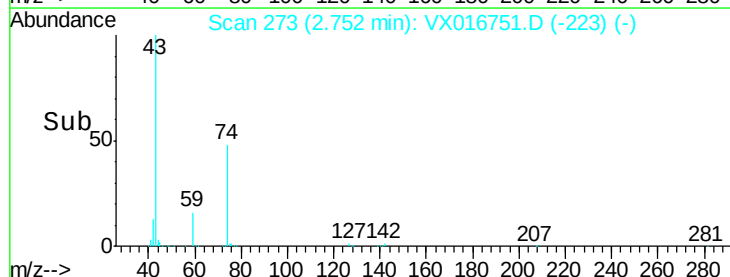
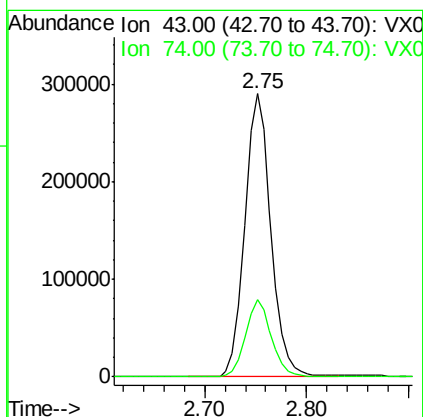
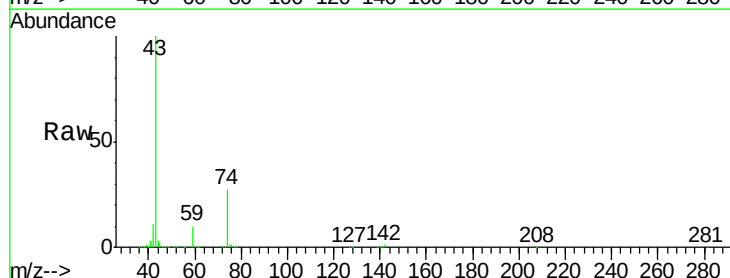
Acq: 15 Jun 2020 13:03

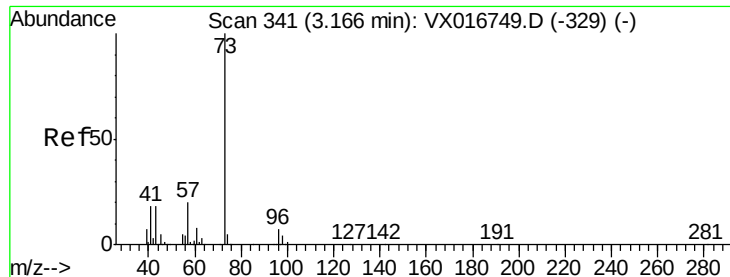
Tgt Ion: 43 Resp: 514244

Ion Ratio Lower Upper

43 100

74 27.4 22.4 33.6



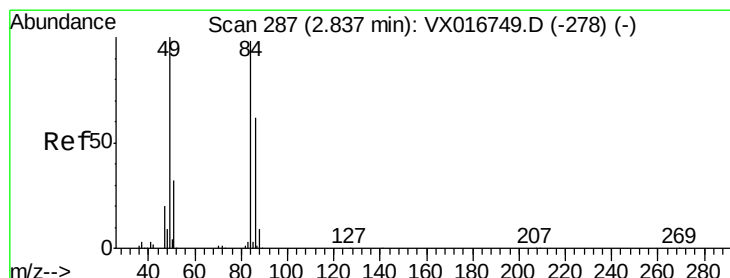
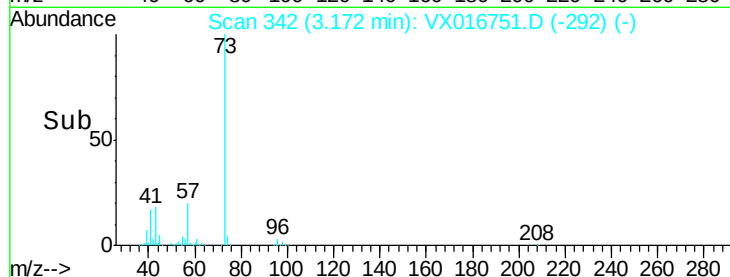
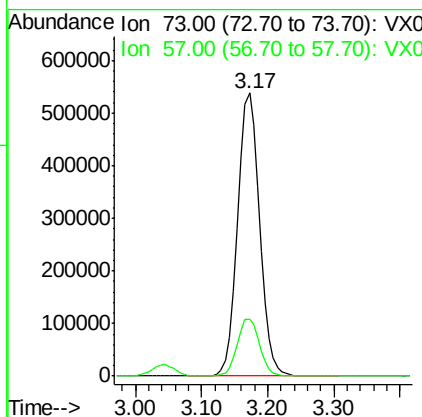
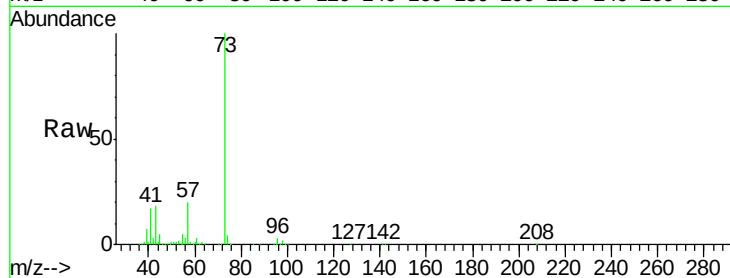


#19

Methyl tert-butyl Ether
 Concen: 140.024 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

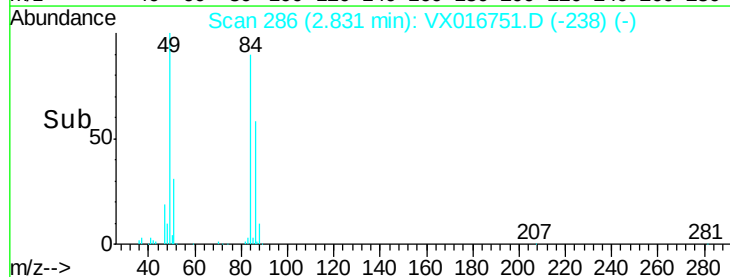
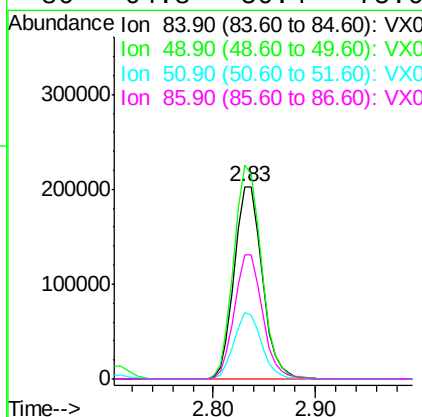
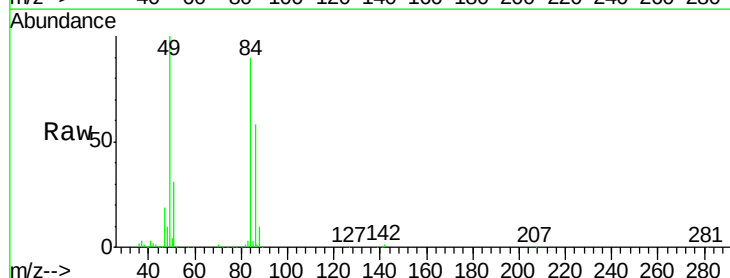
Tgt Ion: 73 Resp: 1239327
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.2 24.4

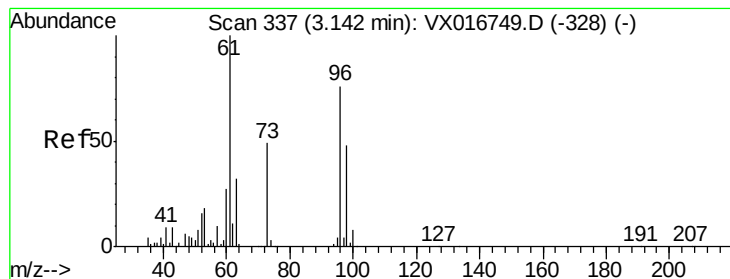


#20

Methylene Chloride
 Concen: 133.909 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion: 84 Resp: 387161
 Ion Ratio Lower Upper
 84 100
 49 111.0 81.8 122.8
 51 34.5 25.8 38.8
 86 64.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 140.432 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

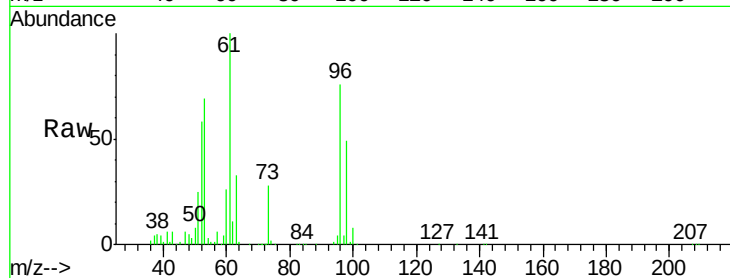
Tgt Ion: 96 Resp: 385681

Ion Ratio Lower Upper

96 100

61 130.8 105.4 158.2

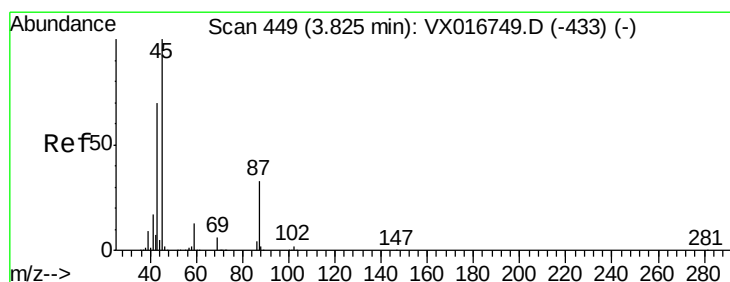
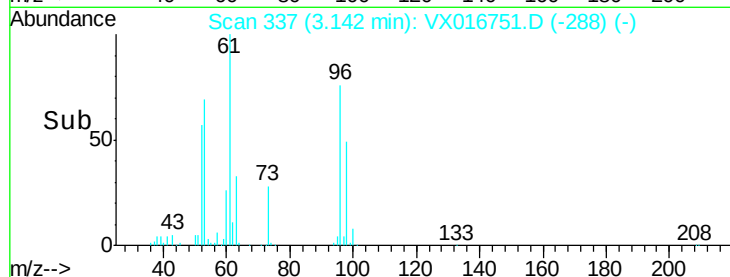
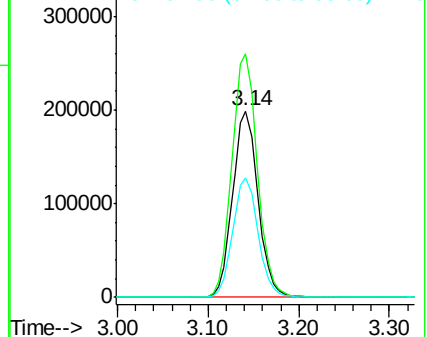
98 64.2 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 124.171 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Tgt Ion: 45 Resp: 1060181

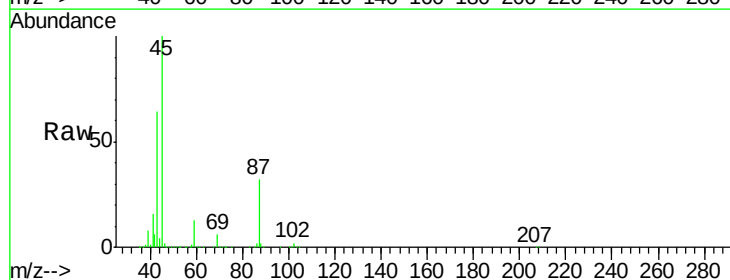
Ion Ratio Lower Upper

45 100

43 63.6 56.2 84.4

87 31.6 26.2 39.4

59 12.8 10.3 15.5

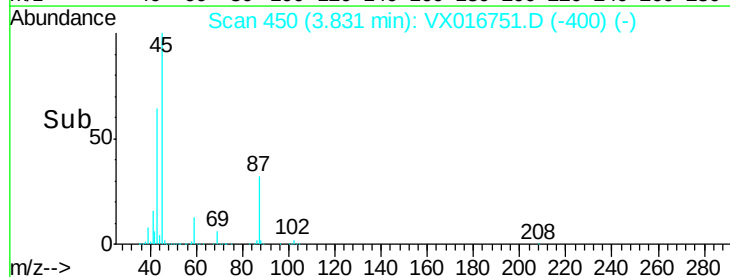
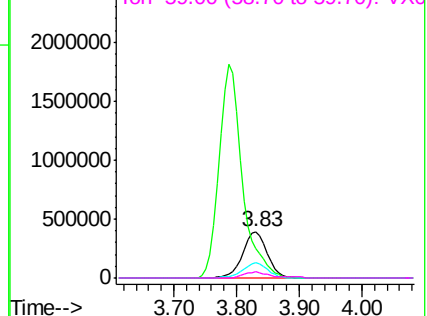


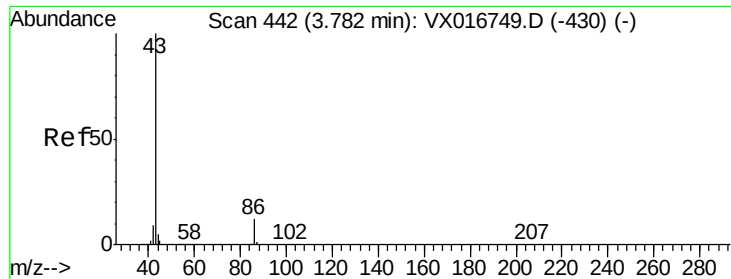
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 624.986 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

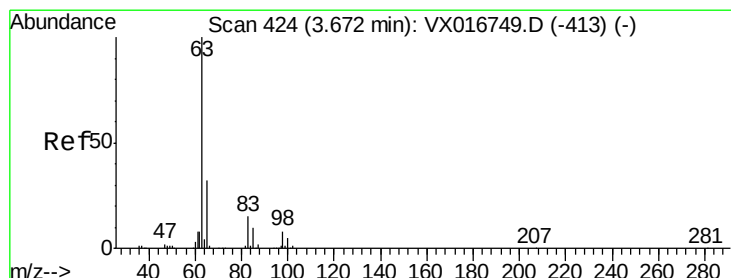
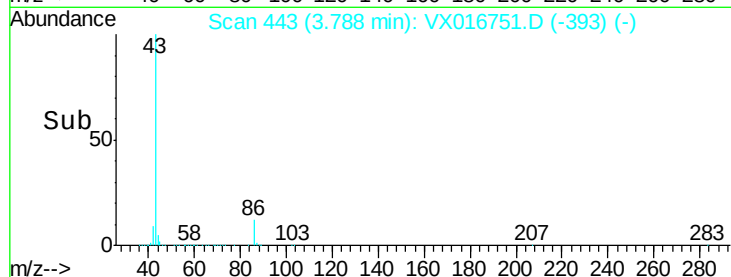
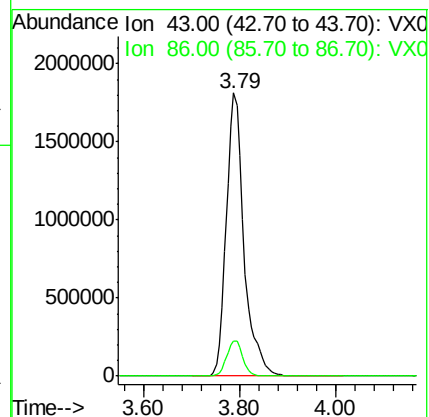
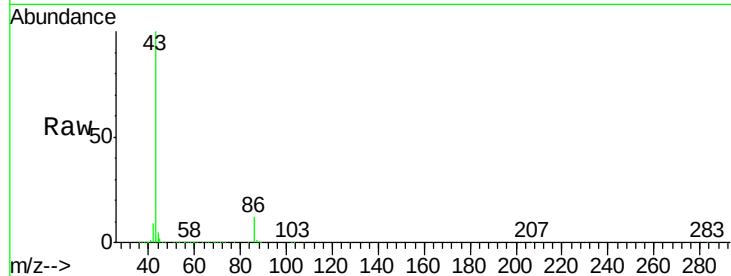
VSTDIC150

Tgt Ion: 43 Resp: 4636570

Ion Ratio Lower Upper

43 100

86 12.3 9.8 14.8



#24

1,1-Dichloroethane

Concen: 132.815 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

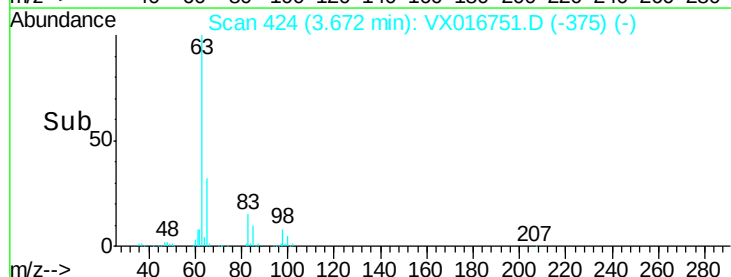
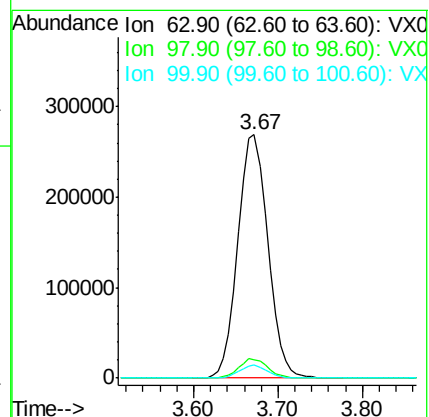
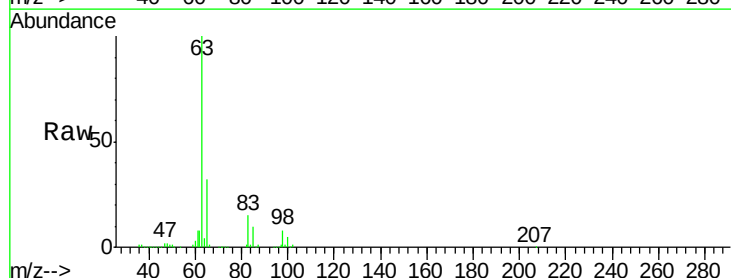
Tgt Ion: 63 Resp: 650103

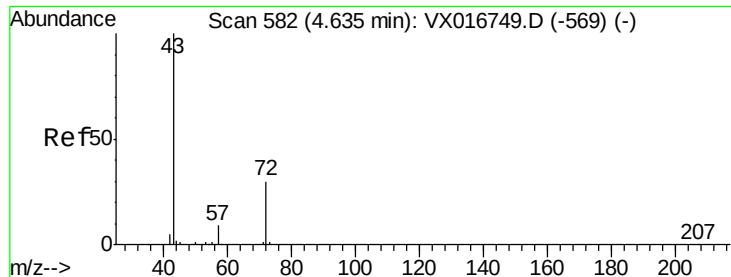
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

100 5.4 2.3 6.9

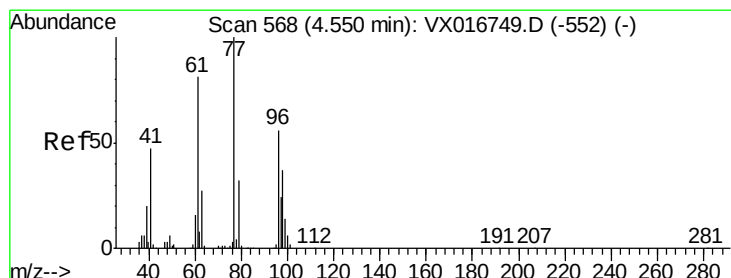
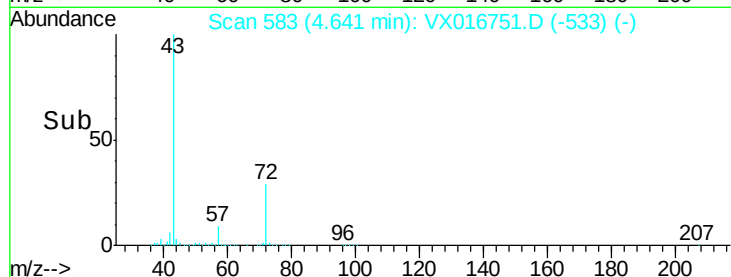
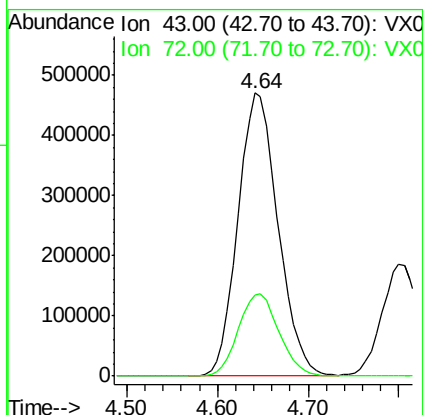
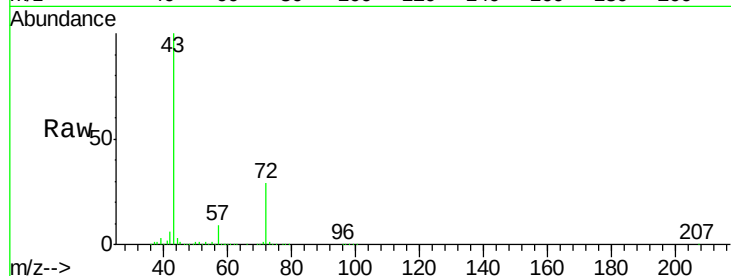




#25
2-Butanone
Concen: 624.423 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

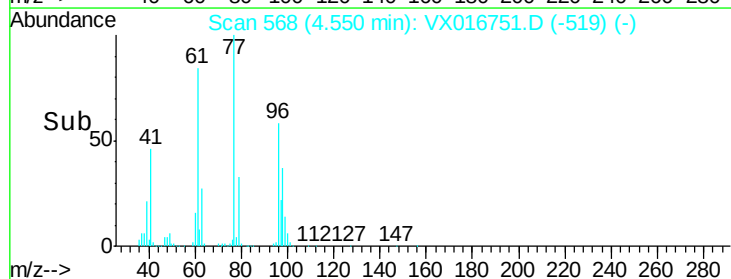
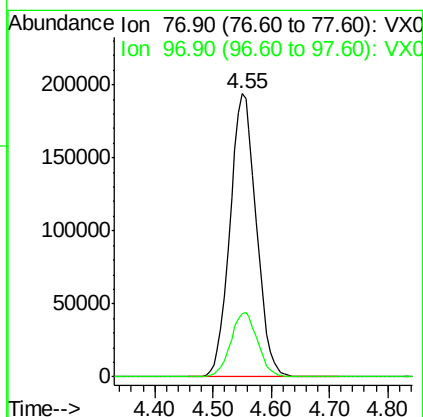
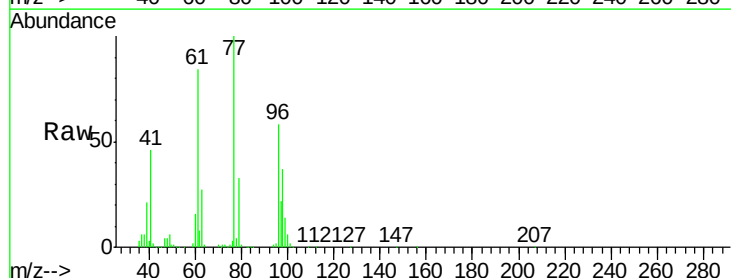
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

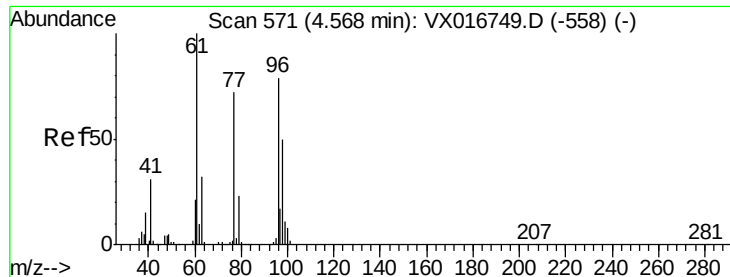
Tgt Ion: 43 Resp: 1438972
Ion Ratio Lower Upper
43 100
72 28.6 24.2 36.4



#26
2,2-Dichloropropane
Concen: 146.802 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 77 Resp: 605665
Ion Ratio Lower Upper
77 100
97 23.2 11.5 34.4



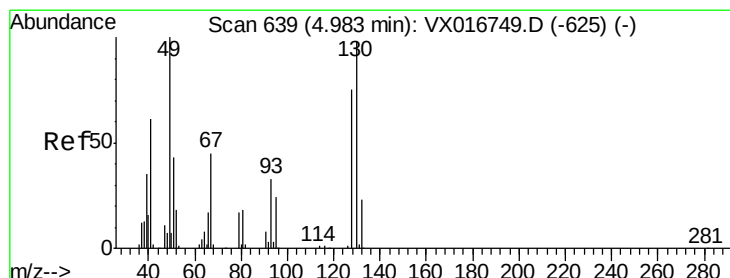
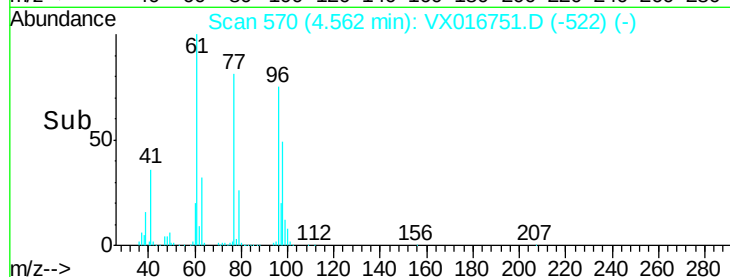
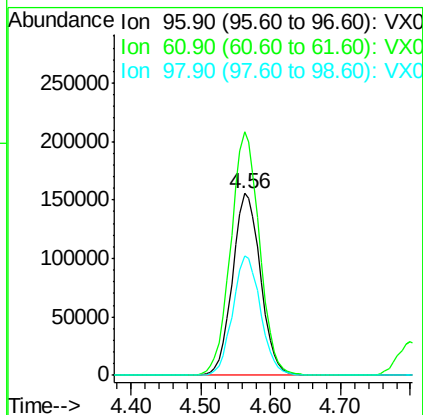
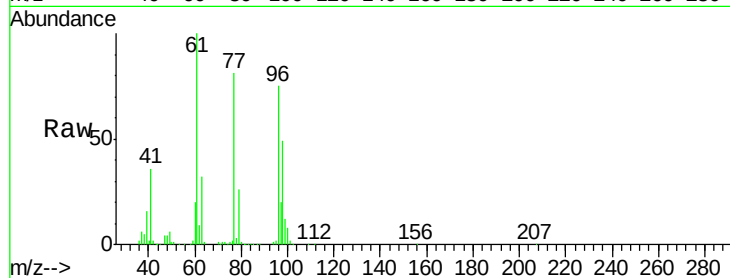


#27

cis-1,2-Dichloroethene
 Concen: 136.941 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

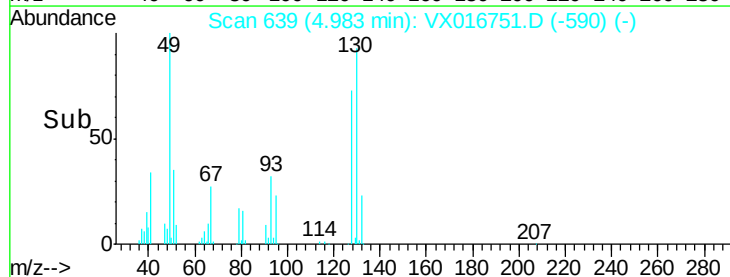
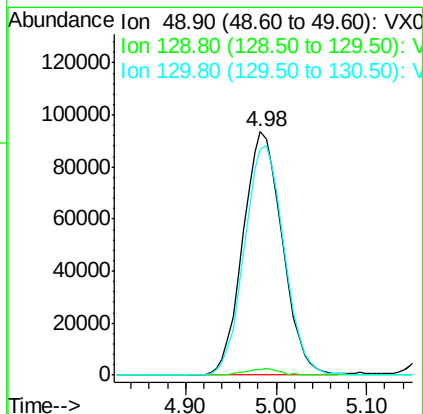
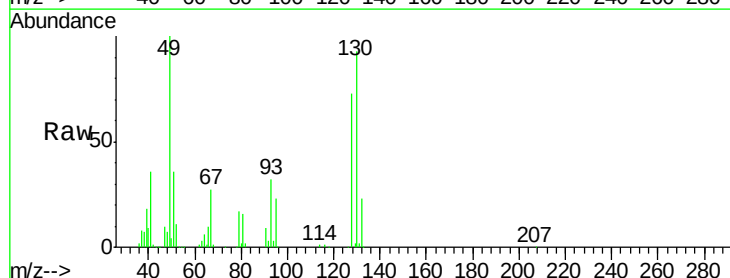
Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	276.2
98	65.2	0.0	130.0

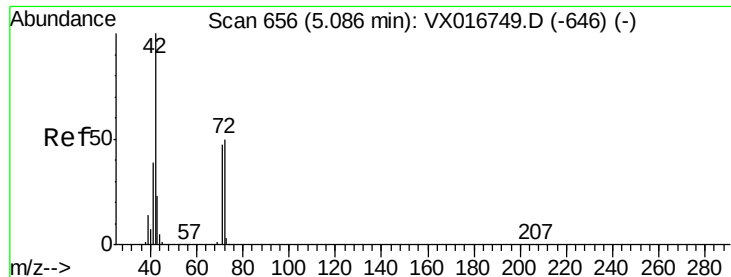


#28

Bromochloromethane
 Concen: 124.528 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.8
130	95.2	76.0	114.0

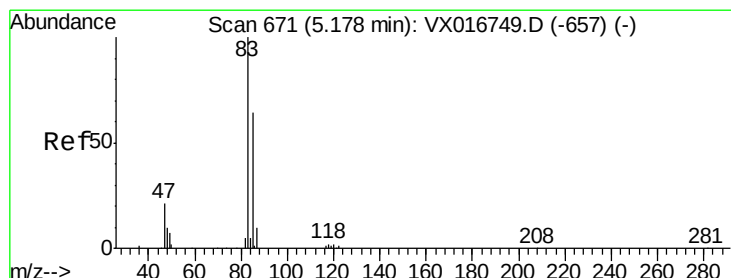
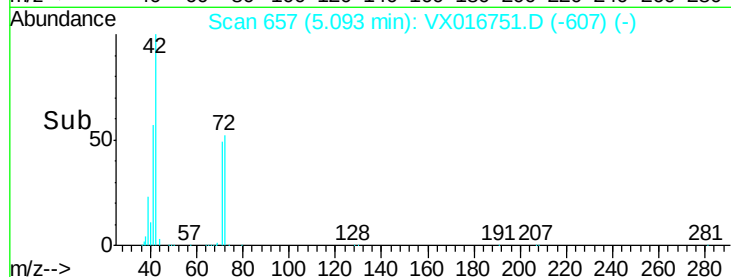
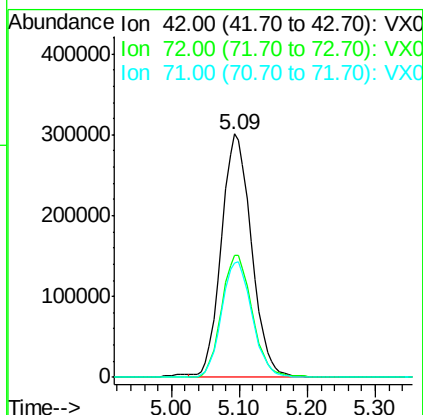
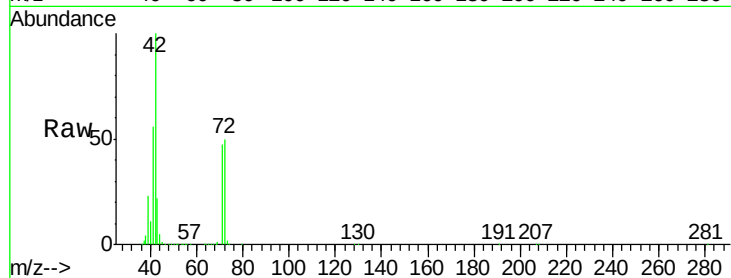




#29
Tetrahydrofuran
Concen: 620.971 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

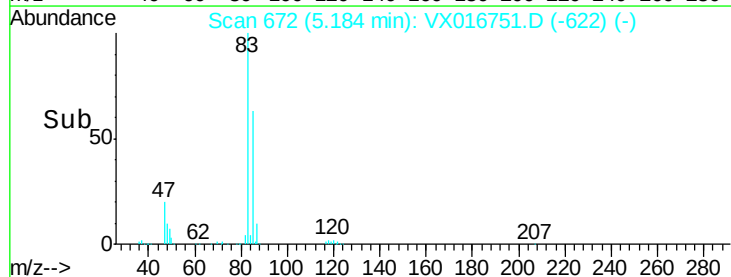
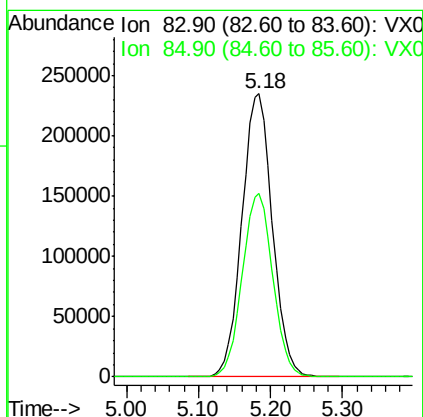
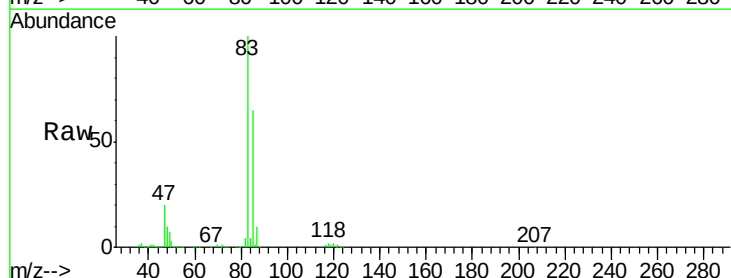
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

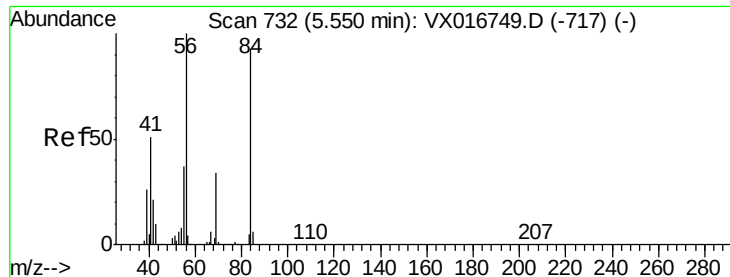
Tgt Ion: 42 Resp: 923095
Ion Ratio Lower Upper
42 100
72 51.1 41.0 61.6
71 48.0 38.2 57.4



#30
Chloroform
Concen: 138.828 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 83 Resp: 690480
Ion Ratio Lower Upper
83 100
85 64.6 50.8 76.2

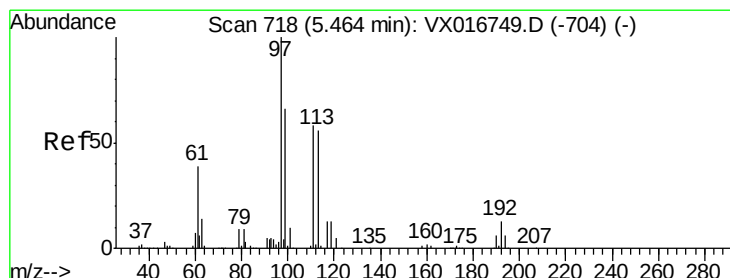
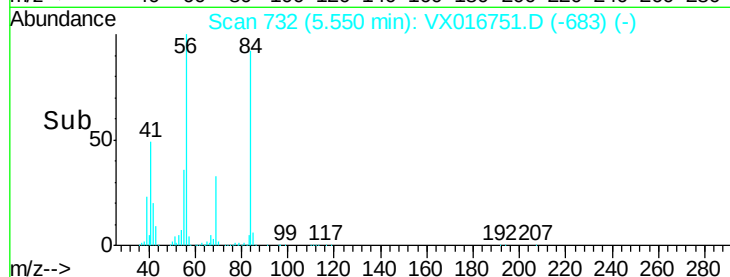
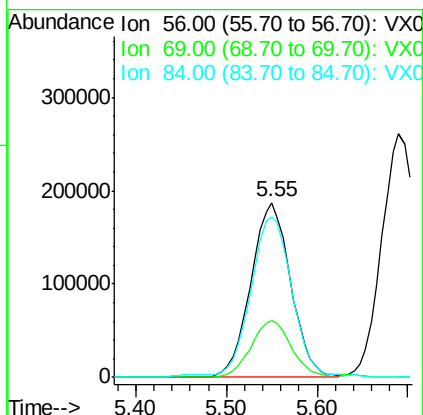
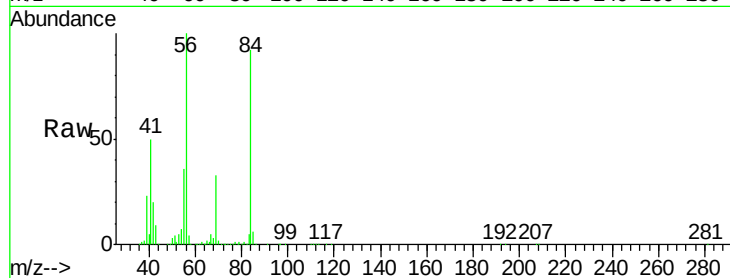




#31
Cyclohexane
Concen: 129.822 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

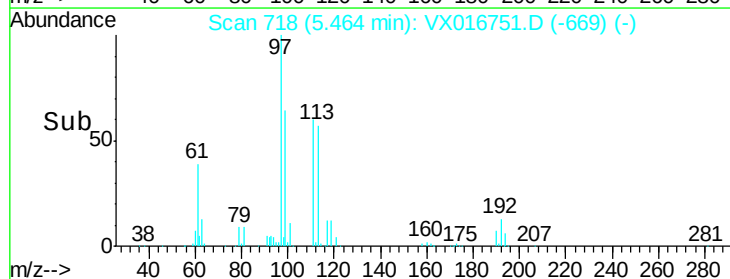
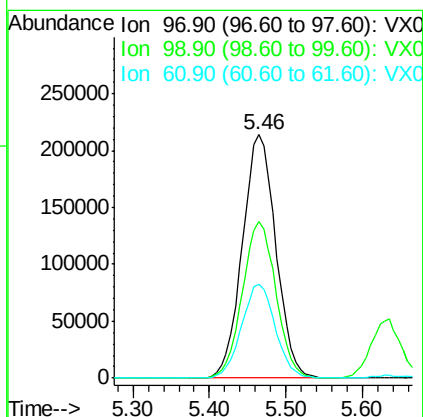
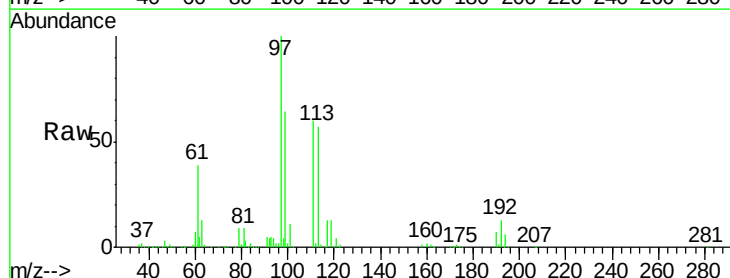
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

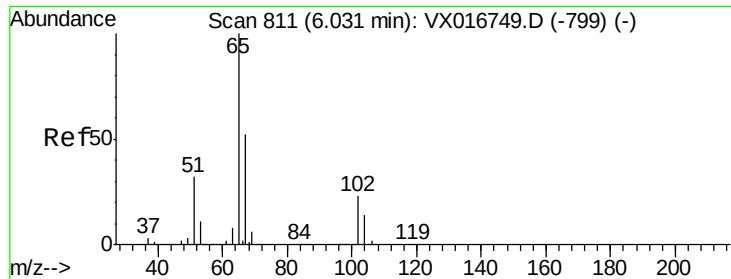
Tgt Ion: 56 Resp: 565751
Ion Ratio Lower Upper
56 100
69 32.5 27.1 40.7
84 90.7 74.0 111.0



#32
1,1,1-Trichloroethane
Concen: 143.951 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 97 Resp: 652311
Ion Ratio Lower Upper
97 100
99 64.5 51.5 77.3
61 39.1 31.3 46.9

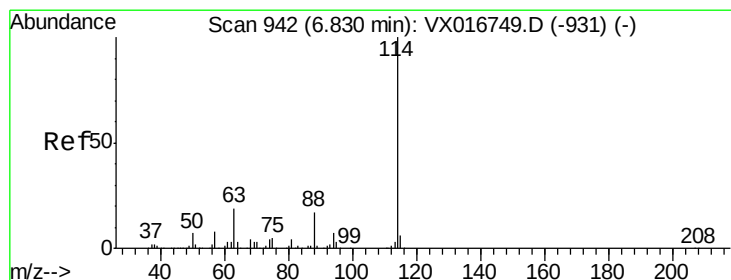
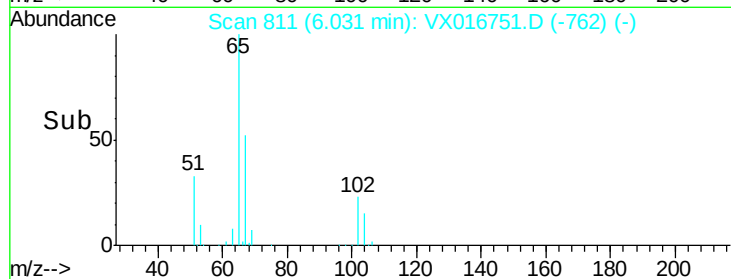
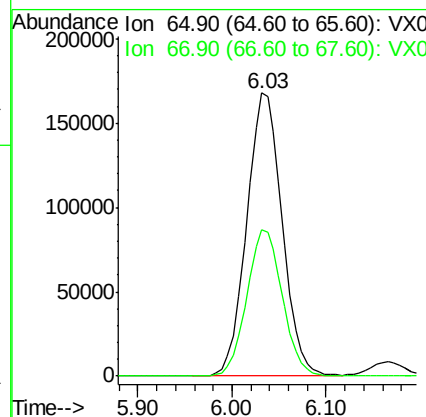
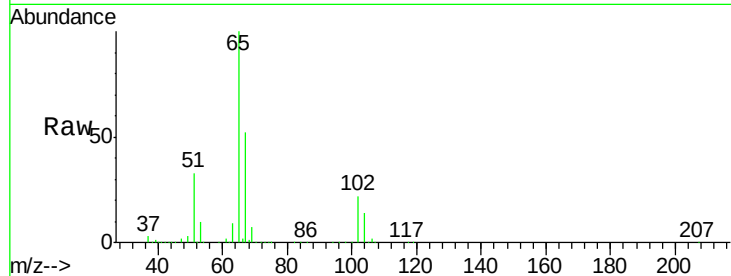




#33
 1,2-Dichloroethane-d4
 Concen: 139.656 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

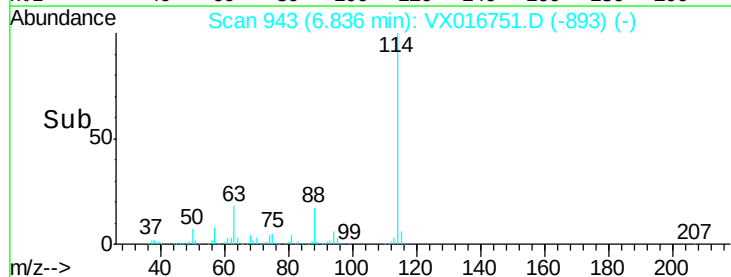
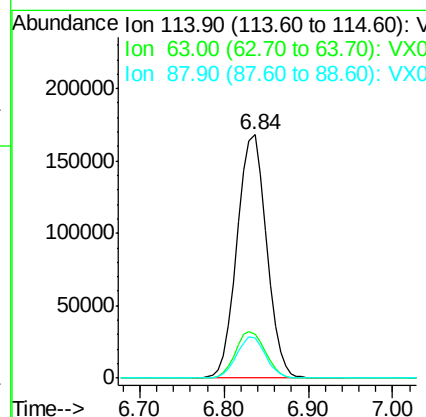
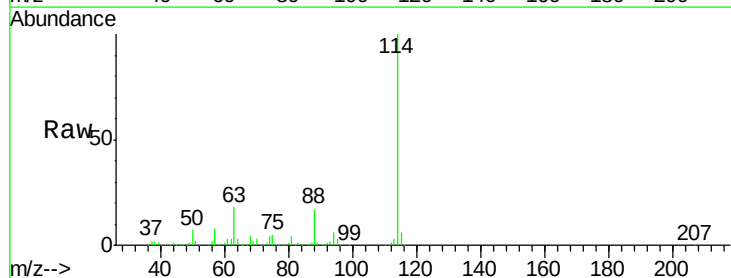
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

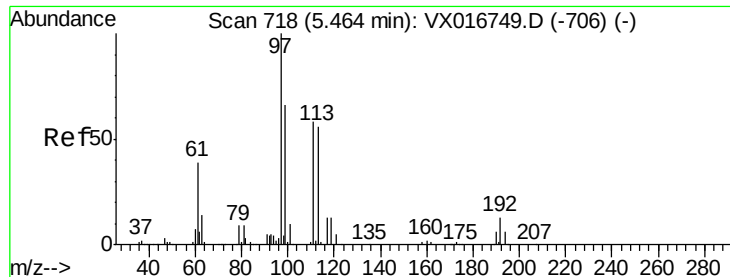
Tgt Ion: 65 Resp: 442759
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion: 114 Resp: 397784
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.8
 88 16.6 0.0 33.4

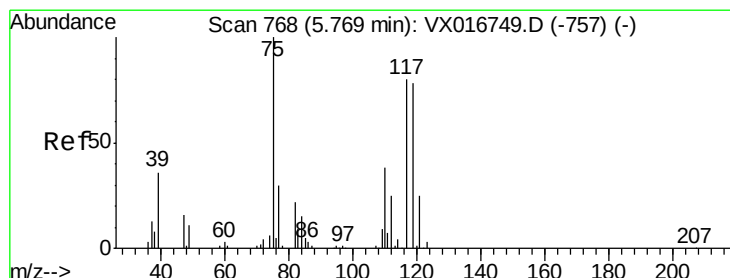
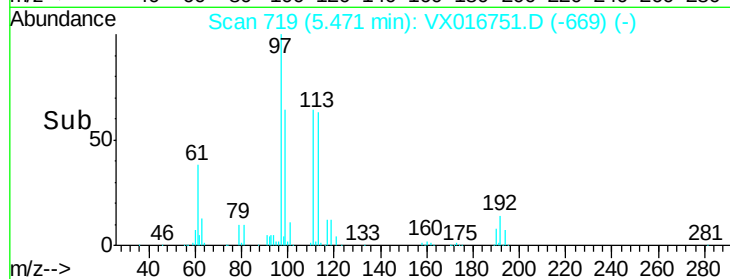
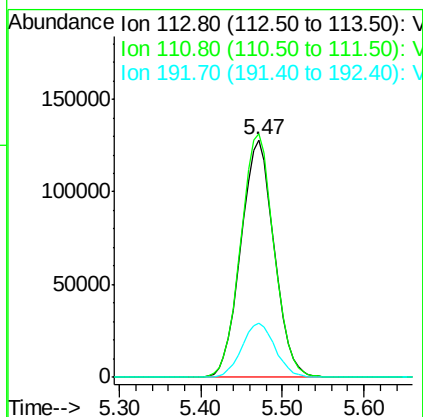
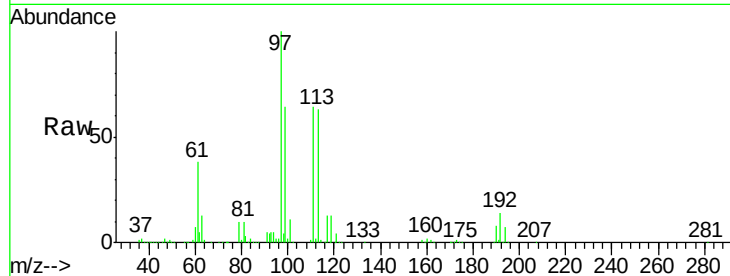




#35
 Dibromofluoromethane
 Concen: 148.837 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

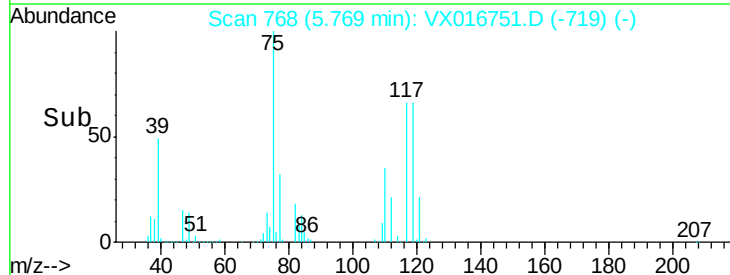
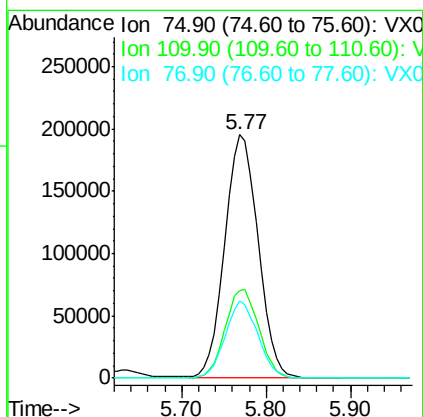
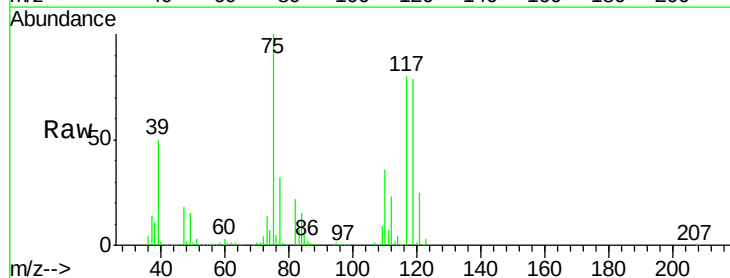
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

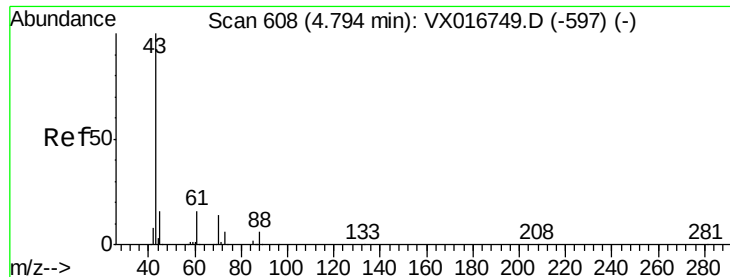
Tgt Ion: 113 Resp: 363519
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.8 122.6
 192 22.9 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 141.486 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion: 75 Resp: 526988
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.4 55.2
 77 30.9 24.7 37.1

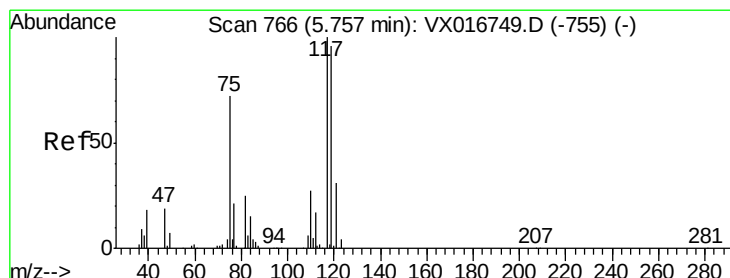
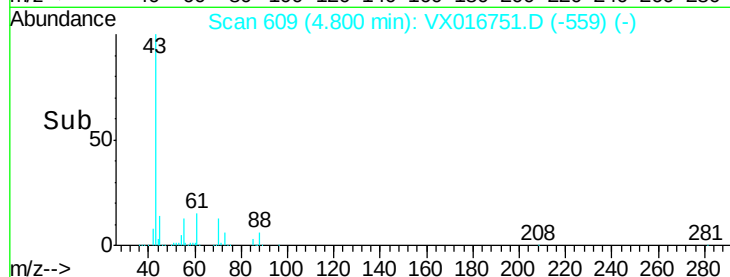
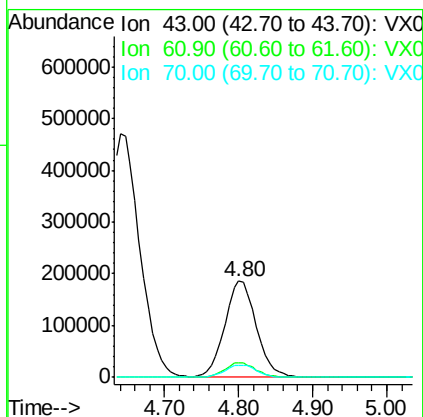
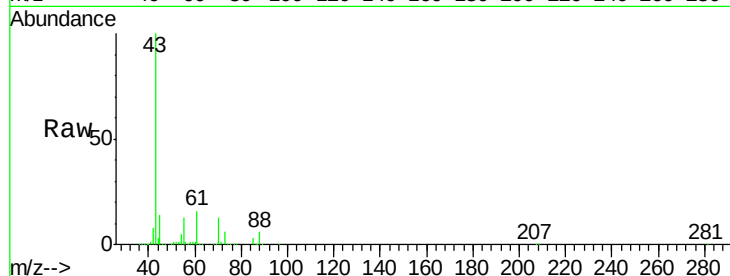




#37
Ethyl Acetate
Concen: 125.830 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

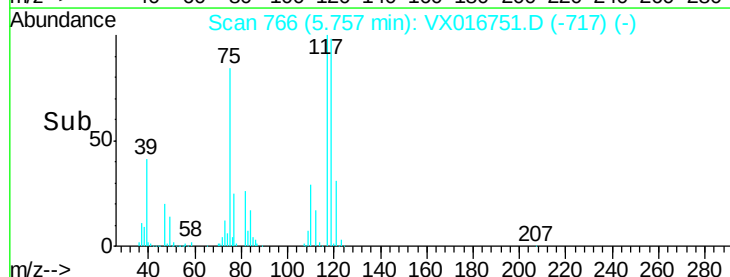
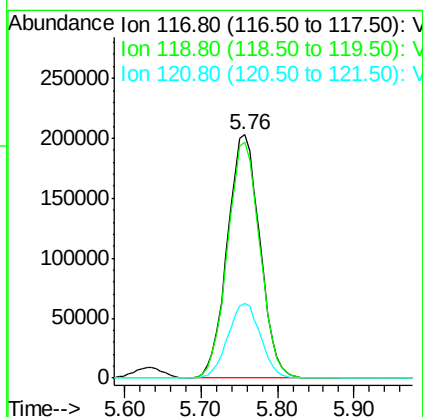
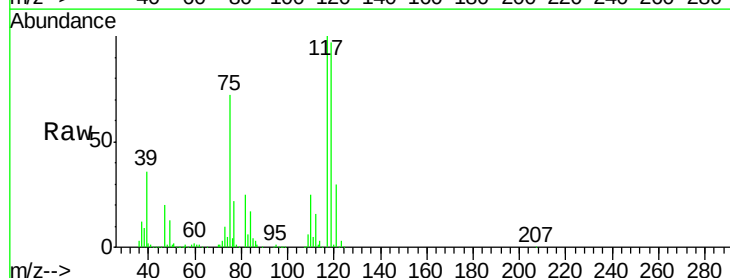
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

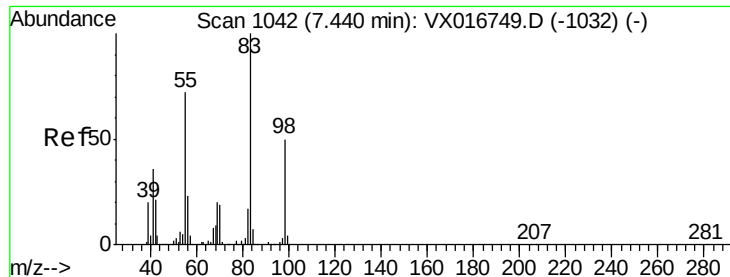
Tgt Ion: 43 Resp: 549830
Ion Ratio Lower Upper
43 100
61 15.0 12.4 18.6
70 13.1 10.8 16.2



#38
Carbon Tetrachloride
Concen: 150.073 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016751.D
Acq: 15 Jun 2020 13:03

Tgt Ion: 117 Resp: 595464
Ion Ratio Lower Upper
117 100
119 97.1 76.7 115.1
121 30.5 24.7 37.1





#39

Methylcyclohexane

Concen: 150.070 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

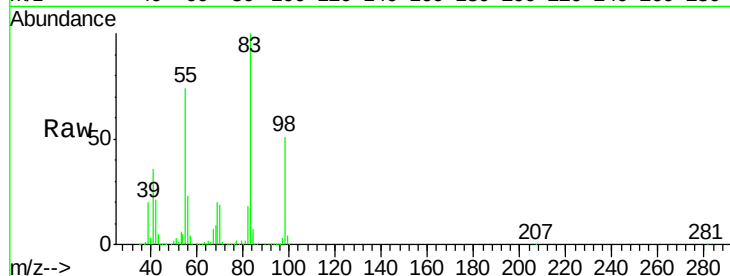
Tgt Ion: 83 Resp: 609737

Ion Ratio Lower Upper

83 100

55 74.3 57.3 85.9

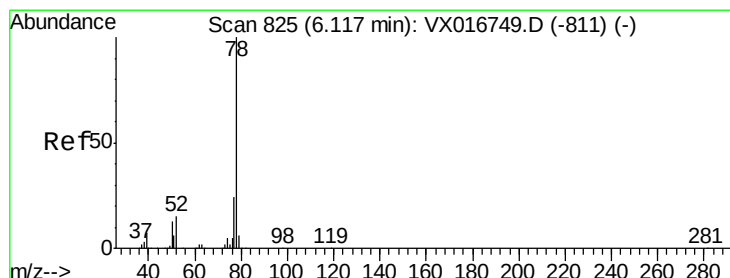
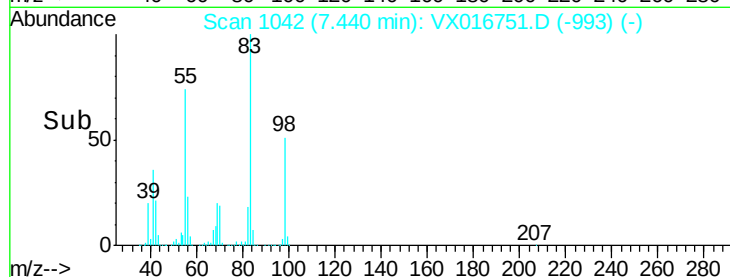
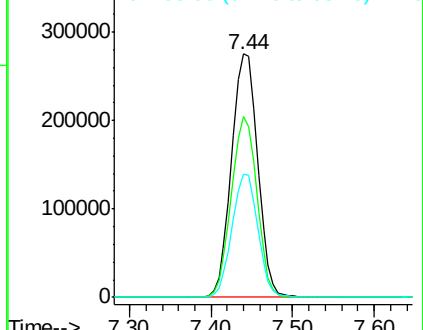
98 50.7 40.3 60.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 139.188 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016751.D

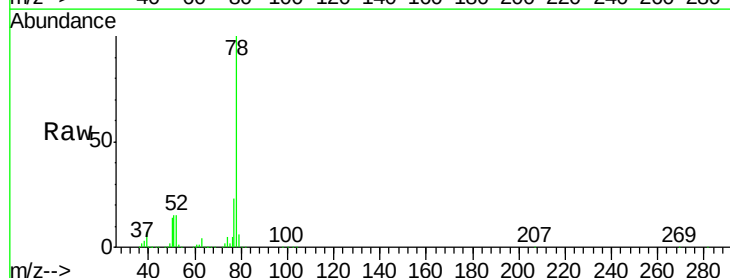
Acq: 15 Jun 2020 13:03

Tgt Ion: 78 Resp: 1540389

Ion Ratio Lower Upper

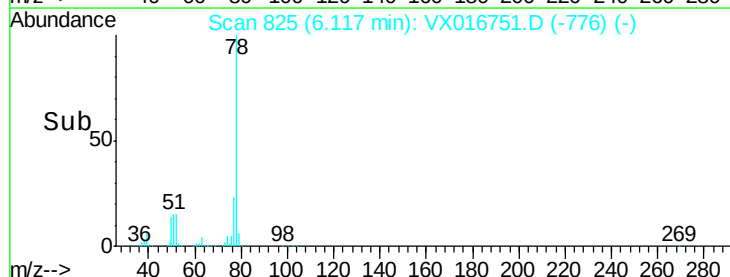
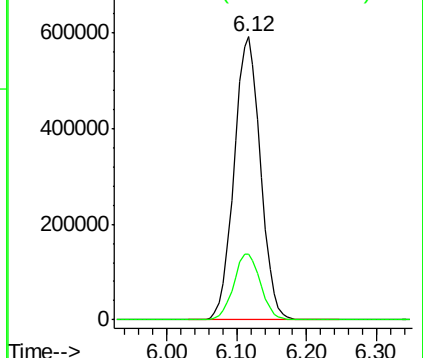
78 100

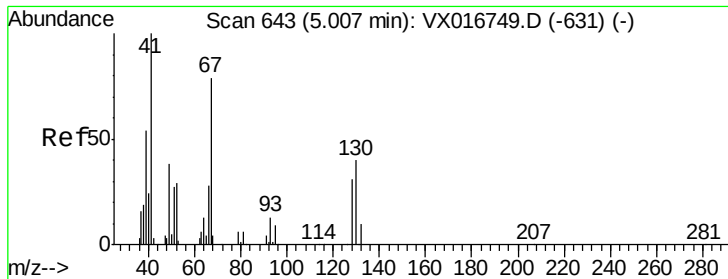
77 23.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 122.716 ug/l

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 294598

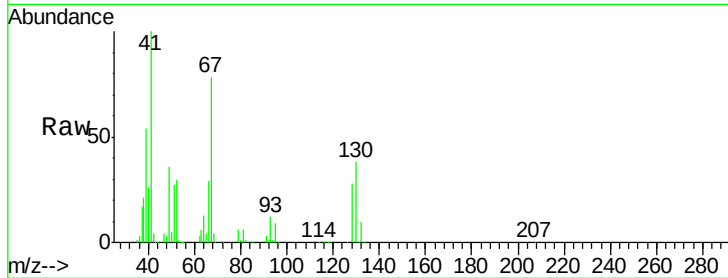
Ion Ratio Lower Upper

41 100

39 53.4 43.7 65.5

67 80.4 64.6 96.8

52 30.4 25.6 38.4

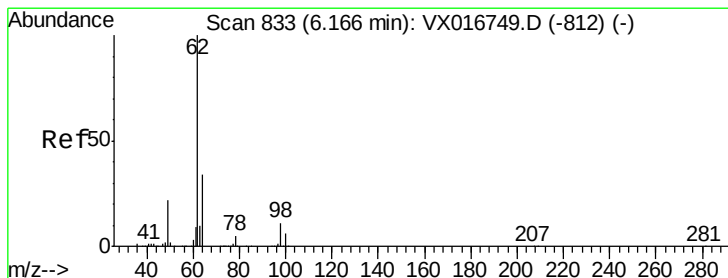
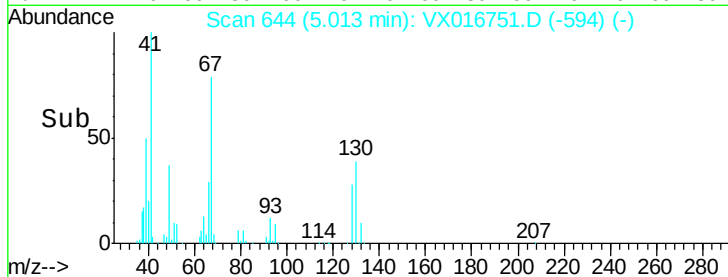
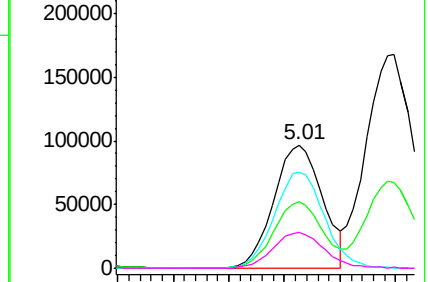


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 138.173 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX016751.D

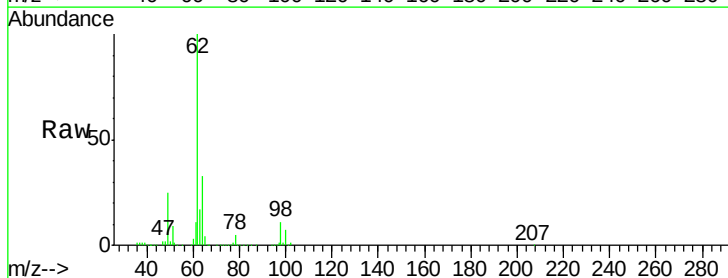
Acq: 15 Jun 2020 13:03

Tgt Ion: 62 Resp: 544497

Ion Ratio Lower Upper

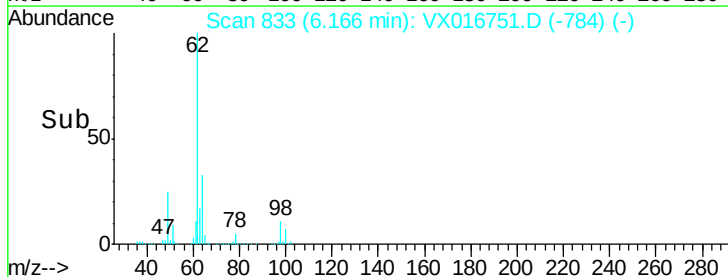
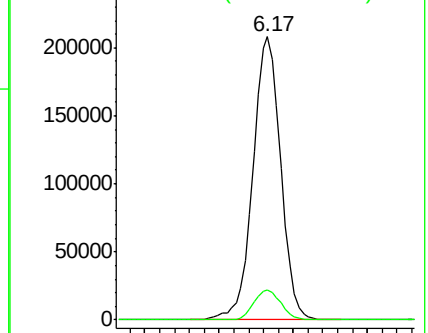
62 100

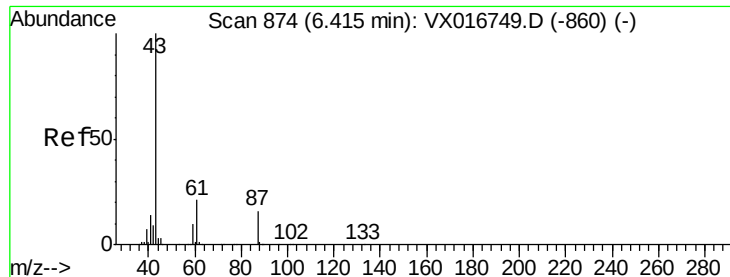
98 10.3 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 131.112 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

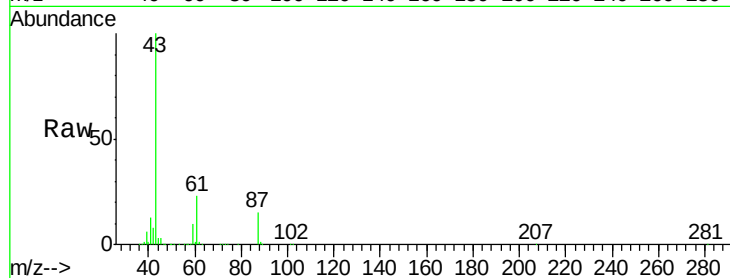
Tgt Ion: 43 Resp: 896012

Ion Ratio Lower Upper

43 100

61 22.4 17.7 26.5

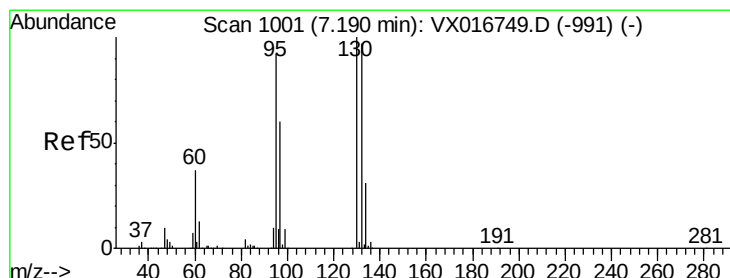
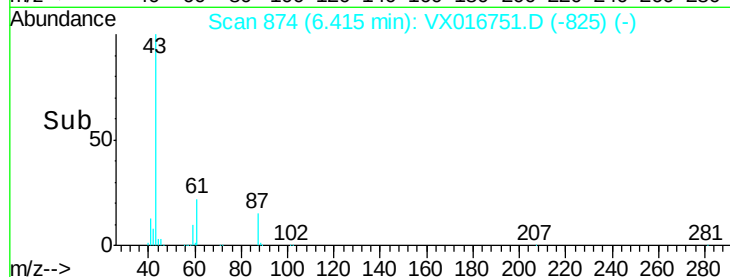
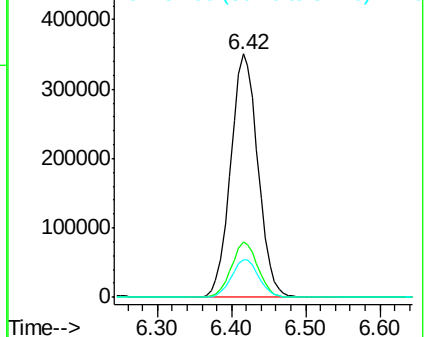
87 15.5 12.5 18.7



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: 135.406 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016751.D

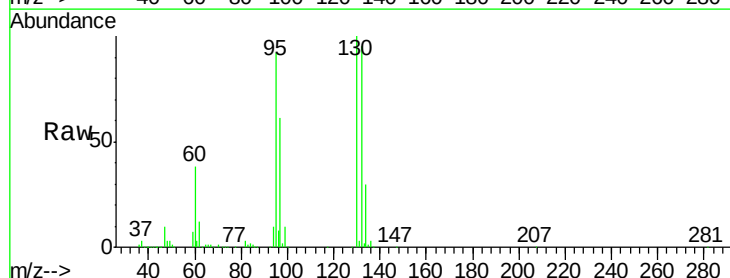
Acq: 15 Jun 2020 13:03

Tgt Ion: 130 Resp: 476103

Ion Ratio Lower Upper

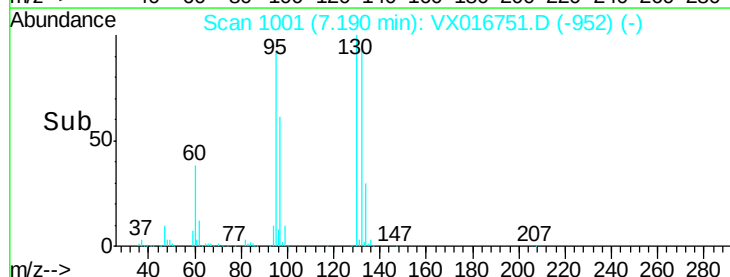
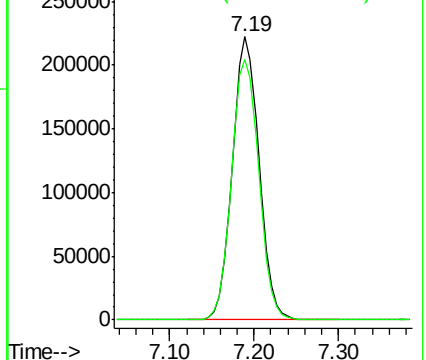
130 100

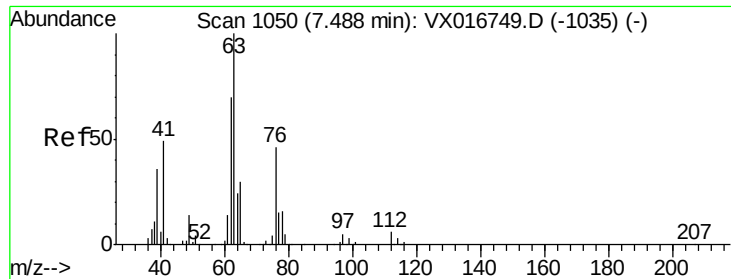
95 92.1 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

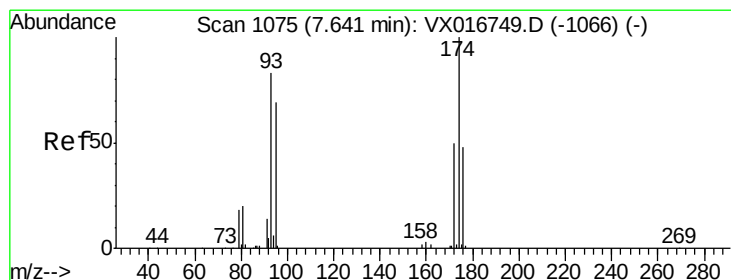
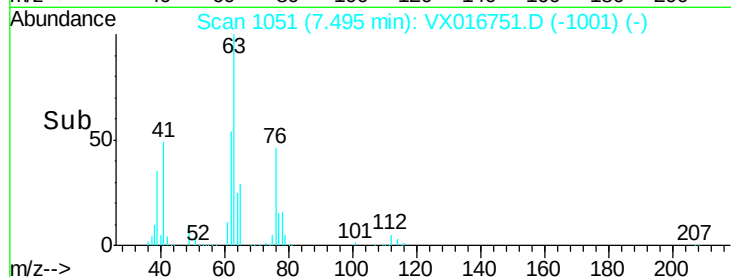
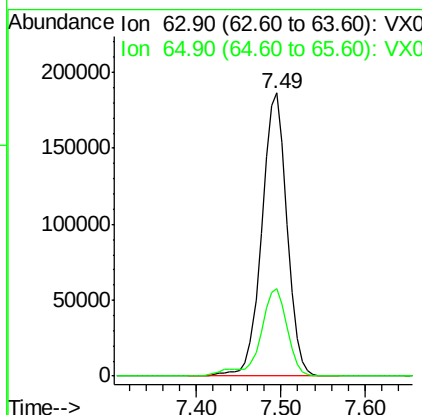
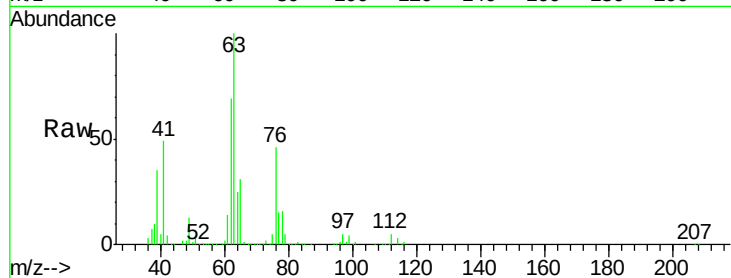




#45
 1,2-Dichloropropane
 Concen: 136.715 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

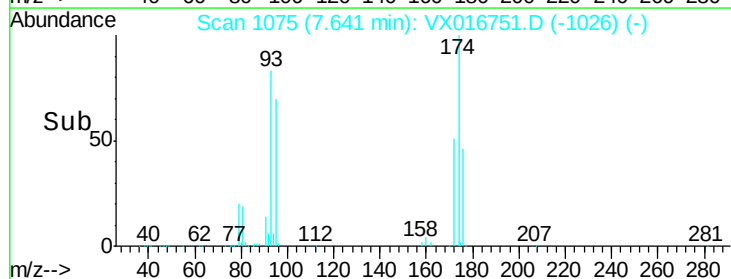
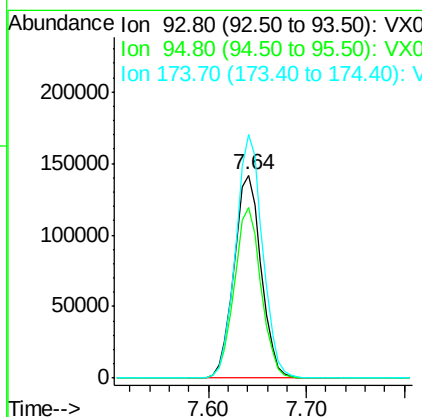
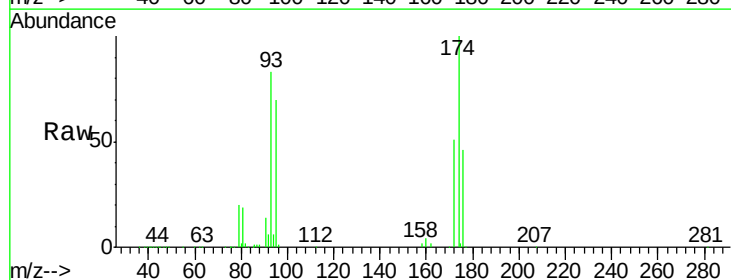
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

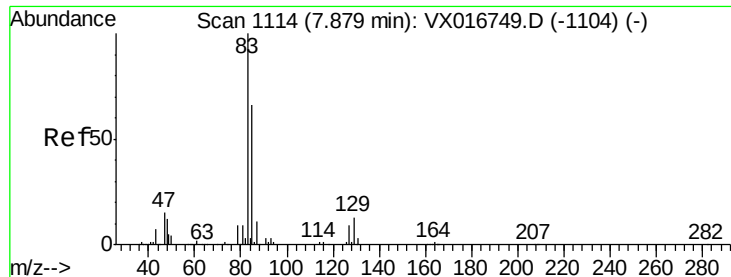
Tgt Ion: 63 Resp: 383201
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.2



#46
 Dibromomethane
 Concen: 143.745 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion: 93 Resp: 273373
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.9 100.3
 174 118.5 93.8 140.8





#47

Bromodichloromethane

Concen: 146.281 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

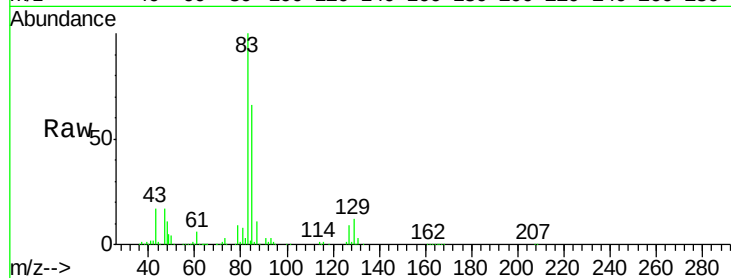
Tgt Ion: 83 Resp: 576566

Ion Ratio Lower Upper

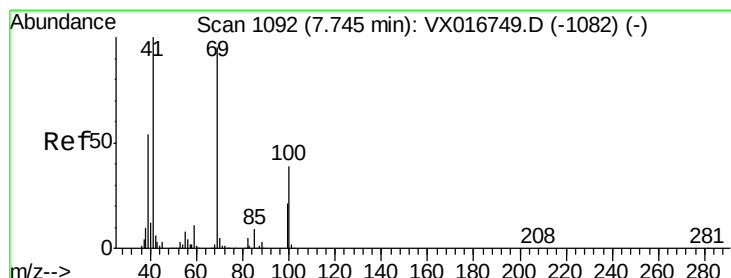
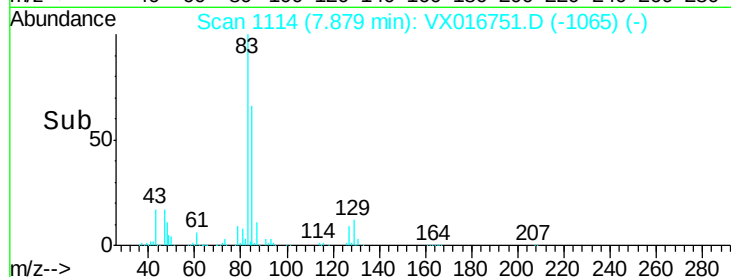
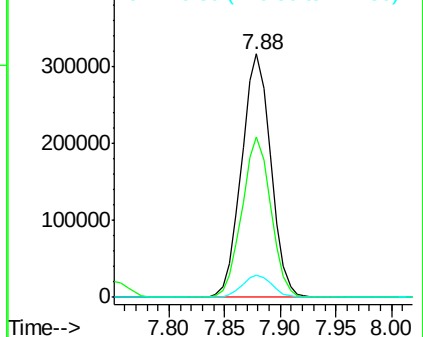
83 100

85 65.8 52.5 78.7

127 9.4 7.5 11.3



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: 134.654 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

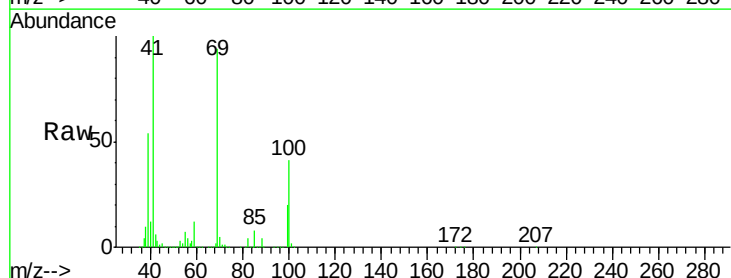
Tgt Ion: 41 Resp: 439714

Ion Ratio Lower Upper

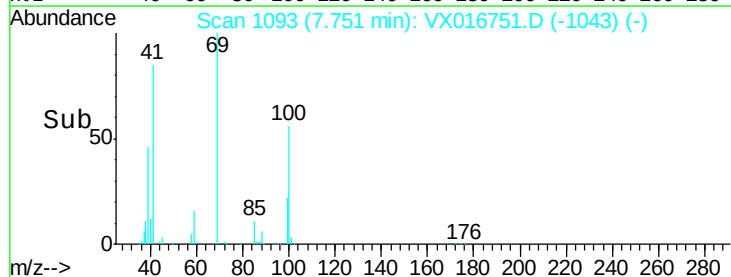
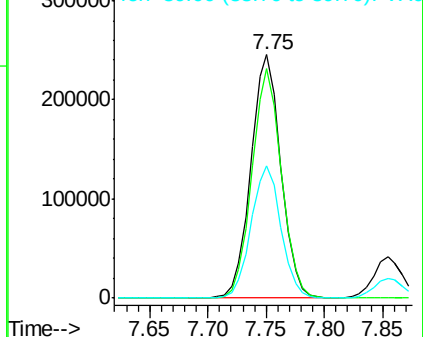
41 100

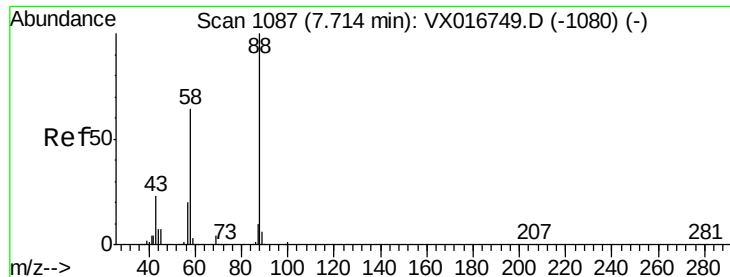
69 92.8 75.0 112.6

39 54.4 44.3 66.5



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: 2778.263 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

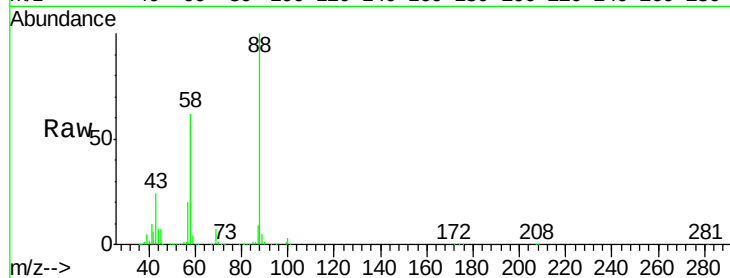
Tgt Ion: 88 Resp: 214219

Ion Ratio Lower Upper

88 100

43 28.8 22.9 34.3

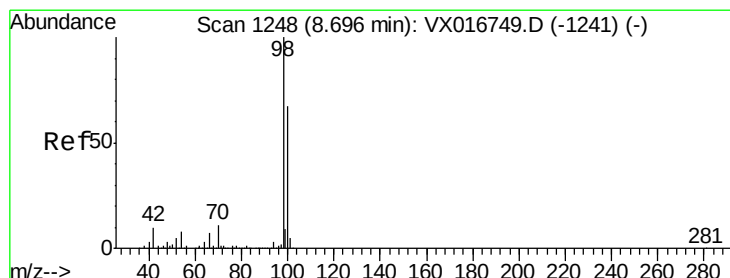
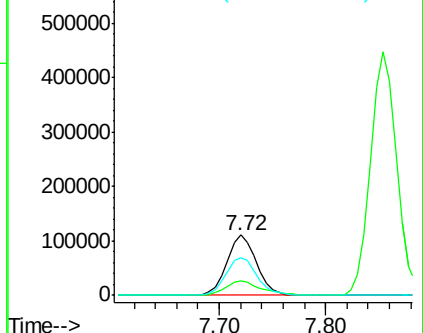
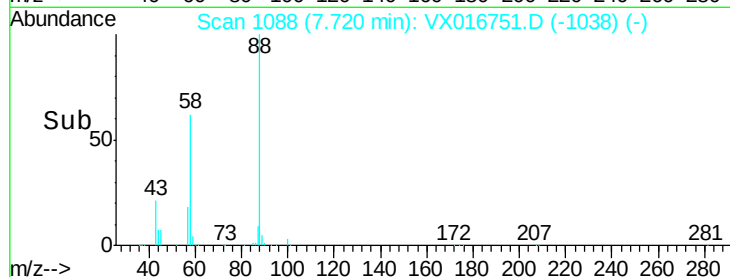
58 66.9 53.7 80.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 149.841 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX016751.D

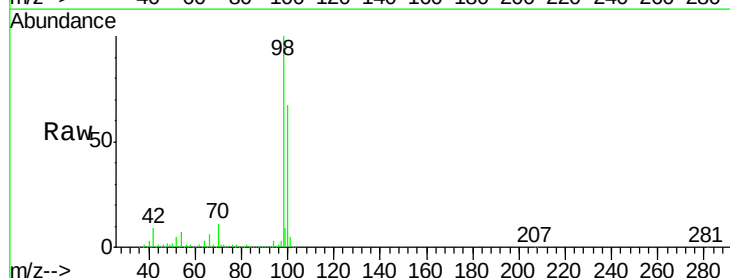
Acq: 15 Jun 2020 13:03

Tgt Ion: 98 Resp: 1413230

Ion Ratio Lower Upper

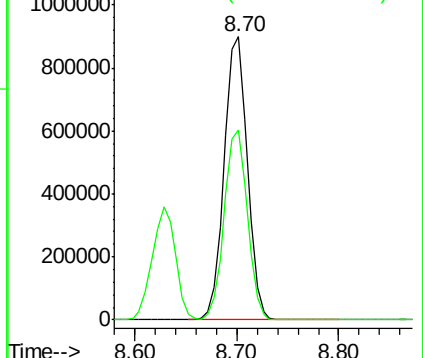
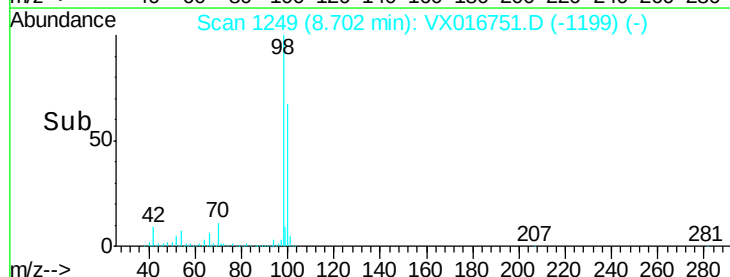
98 100

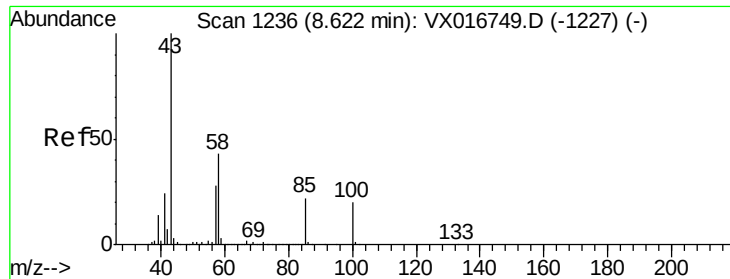
100 67.2 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

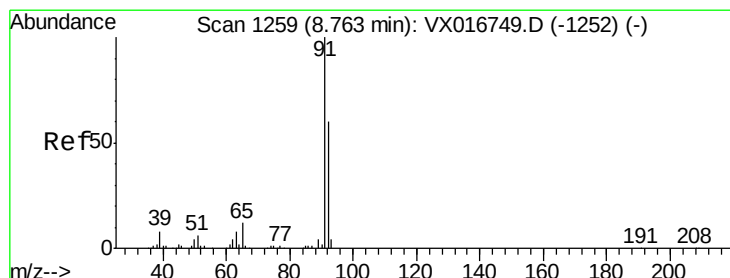
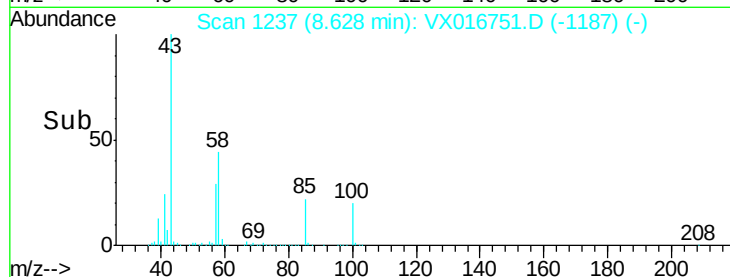
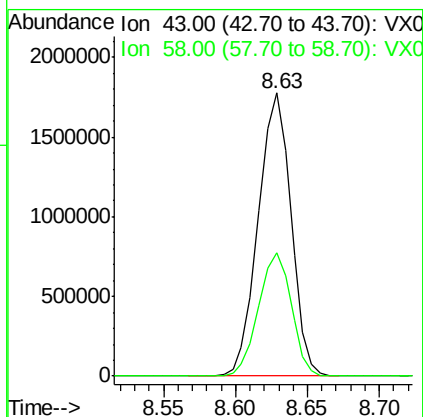
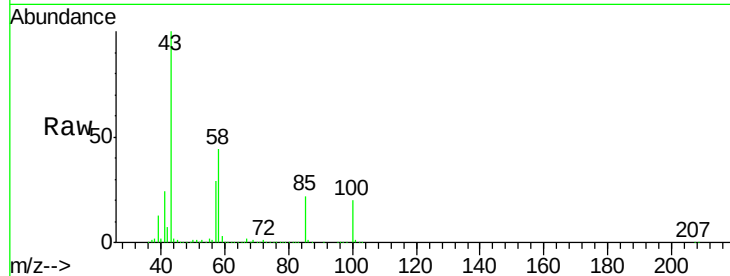




#51
 4-Methyl-2-Pentanone
 Concen: 657.999 ug/l
 RT: 8.63 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

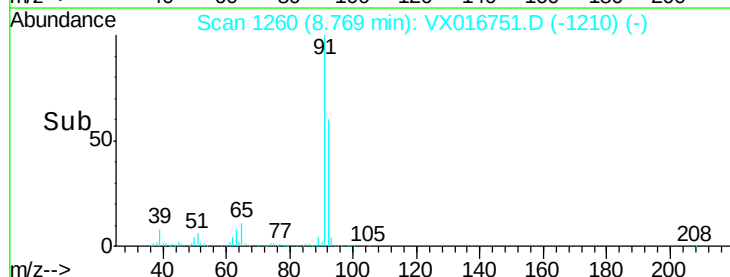
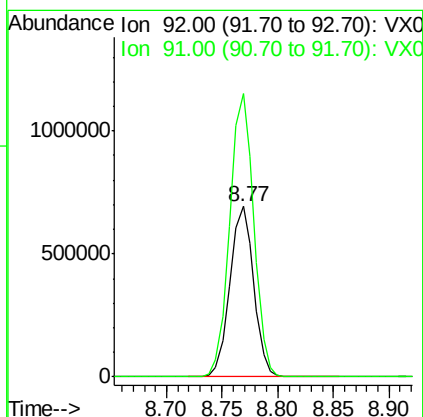
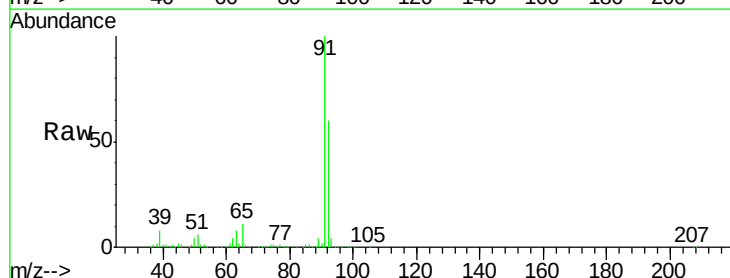
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

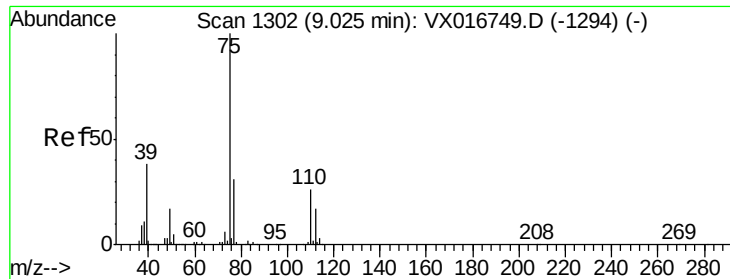
Tgt Ion: 43 Resp: 2793044
 Ion Ratio Lower Upper
 43 100
 58 43.7 34.6 52.0



#52
 Toluene
 Concen: 146.161 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion: 92 Resp: 1024895
 Ion Ratio Lower Upper
 92 100
 91 167.3 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 151.885 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

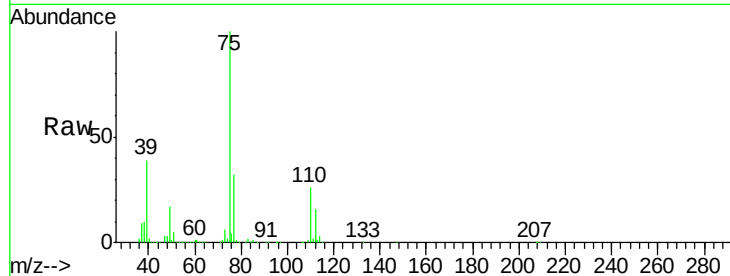
VSTDIC150

Tgt Ion: 75 Resp: 680742

Ion Ratio Lower Upper

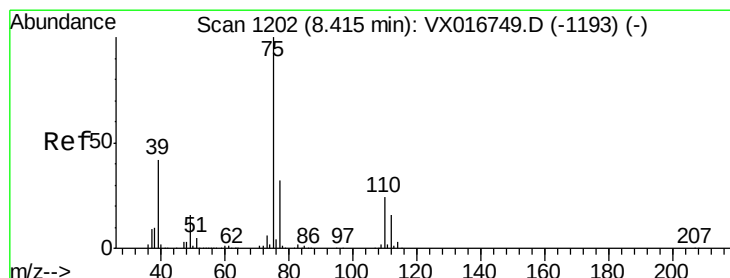
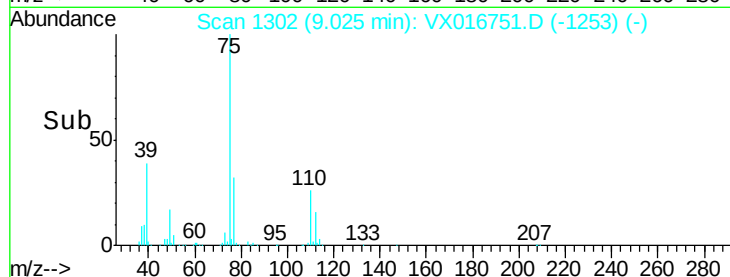
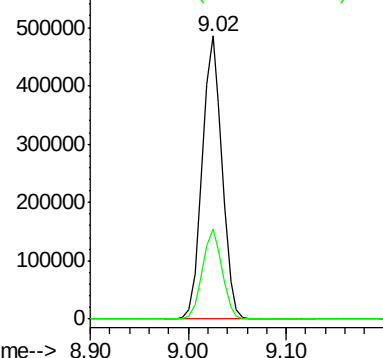
75 100

77 31.7 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 148.258 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016751.D

Acq: 15 Jun 2020 13:03

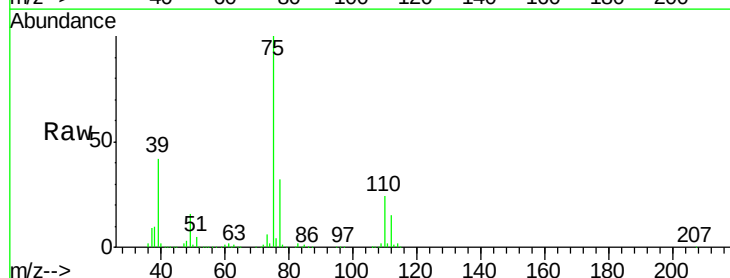
Tgt Ion: 75 Resp: 700684

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

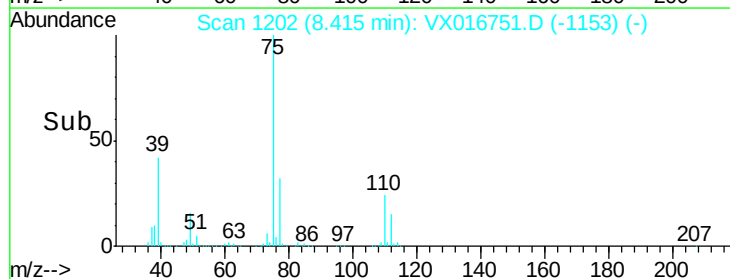
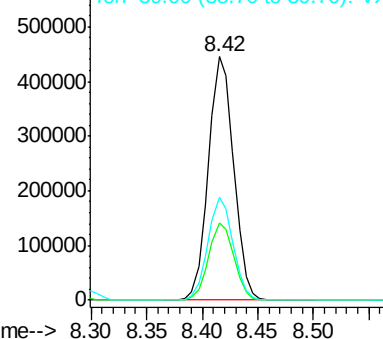
39 42.0 33.7 50.5

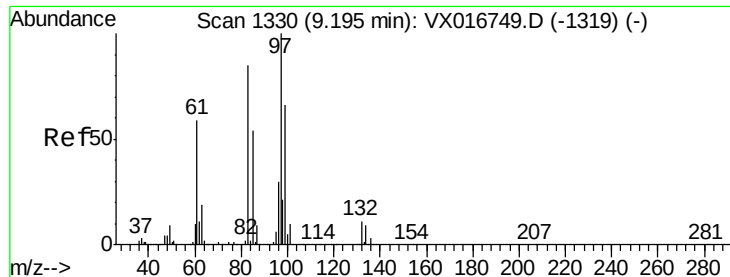


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

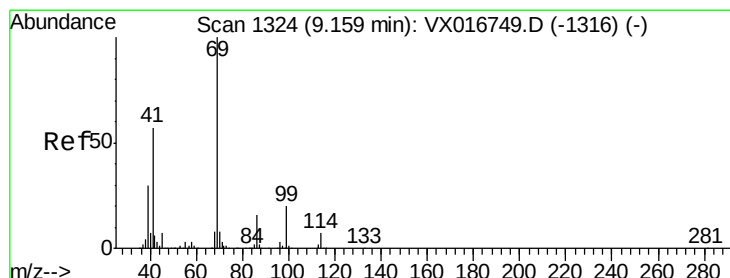
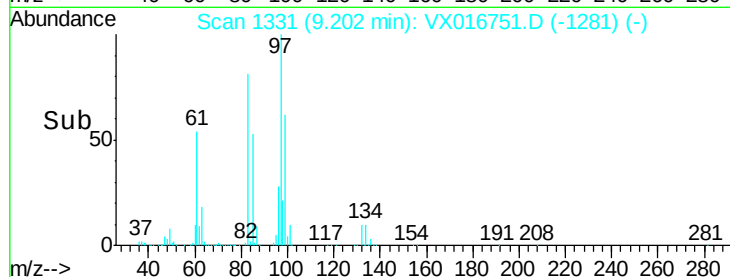
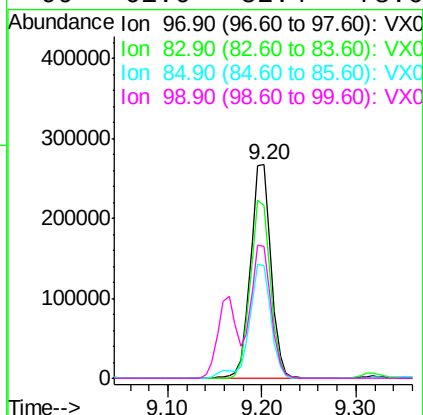
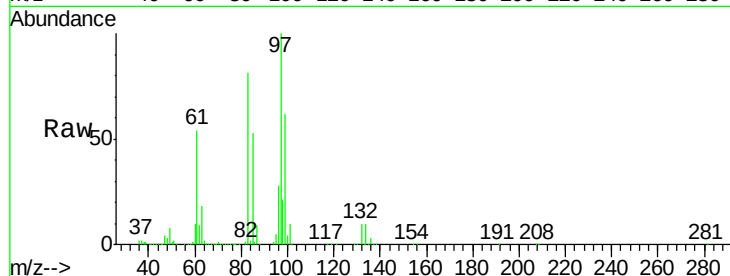




#55
 1,1,2-Trichloroethane
 Concen: 146.647 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	409830
Ion	Ratio	Lower	Upper
97	100		
83	80.6	68.3	102.5
85	52.8	43.5	65.3
99	61.6	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 150.457 ug/l
 RT: 9.16 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX016751.D
 Acq: 15 Jun 2020 13:03

Tgt Ion:	69	Resp:	675757
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.1	70.7
39	30.6	25.0	37.6

