

Data File : VL034677.D
Acq On : 26 Feb 2020 3:08
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Feb 26 03:41:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 03:37:46 2020
QLast Update : Wed Feb 26 03:37:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1135754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2391945	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2447989	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1970992	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	417766	2.379	ppbv	92
3) Chlorodifluoromethane	2.95	51	262114	1.907	ppbv	97
4) Chloromethane	3.11	50	143840	1.738	ppbv	95
5) Vinyl Chloride	3.22	62	134301	1.744	ppbv	91
6) Bromomethane	3.44	94	81649	2.031	ppbv	93
7) Chloroethane	3.53	64	51411	1.816	ppbv	90
8) Dichlorotetrafluoroethane	3.15	85	335121	1.900	ppbv	100
9) Propene	2.97	41	104825	1.884	ppbv	97
10) Heptane	8.13	43	273734	1.872	ppbv	97
11) Trichlorofluoromethane	3.93	101	334396	1.877	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	233475	1.901	ppbv	98
13) Ethanol	3.58	45	25172	1.469	ppbv	82
14) Bromoethene	3.71	108	95258	1.880	ppbv	97
15) Acetone	3.83	43	282154	1.830	ppbv	96
16) 1,3-Butadiene	3.29	39	116569	1.778	ppbv	92
17) tert-Butyl alcohol	4.28	59	162465	1.386	ppbv	99
18) 1,1-Dichloroethene	4.27	96	104919	1.871	ppbv	81
19) Isopropyl Alcohol	3.95	45	124418	1.174	ppbv #	93
20) Methylene Chloride	4.32	84	98267	1.741	ppbv	90
21) Allyl Chloride	4.39	41	176873	1.884	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	97468	1.772	ppbv	88
23) Vinyl Acetate	5.06	43	374975	1.964	ppbv	99
24) 1,1-Dichloroethane	5.00	63	288317	1.813	ppbv	98
25) Ethyl Acetate	5.67	43	488257	1.837	ppbv	98
26) Hexane	5.68	57	223883	1.897	ppbv	99
27) Carbon Disulfide	4.54	76	254039	1.895	ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	329147	1.931	ppbv	99
29) Chloroform	5.75	83	358087	1.907	ppbv	93
30) Cyclohexane	7.13	84	175091	1.938	ppbv	93
31) cis-1,2-Dichloroethene	5.54	61	212787	1.860	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	328387	1.909	ppbv	98
34) 2-Butanone	5.24	43	184227	1.086	ppbv #	62
35) Carbon Tetrachloride	7.02	117	329261	1.807	ppbv	96
36) Benzene	6.90	78	431500	1.915	ppbv #	92
37) 1,2-Dichloroethane	6.31	62	275115	1.865	ppbv	99
38) Trichloroethene	7.85	130	165035	1.929	ppbv	89
39) 1,2-Dichloropropane	7.62	63	94155	1.015	ppbv	88
40) 1,4-Dioxane	7.86	88	44085	1.272	ppbv #	1
41) Tetrahydrofuran	6.05	42	164339	1.851	ppbv	99
42) Bromodichloromethane	7.80	83	361085	1.887	ppbv	99
43) Methyl Methacrylate	8.03	69	184465	2.088	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	785592	1.939	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	195731	1.893	ppbv	90
46) cis-1,3-Dichloropropene	8.72	75	236979	1.959	ppbv #	87
47) 1,1,2-Trichloroethane	9.49	97	170441	1.739	ppbv	93
48) Dibromochloromethane	10.33	129	275589	1.831	ppbv	99
49) Bromoform	13.07	173	247147	1.878	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	445921	1.851	ppbv	99
51) 2-Hexanone	10.16	43	358602	1.887	ppbv #	97
52) Tetrachloroethene	11.25	164	149019	1.874	ppbv	87
53) Toluene	9.83	91	476009	1.964	ppbv	97
54) 1,2-Dibromoethane	10.64	107	268494	1.967	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	215023	2.009	ppbv #	1
57) Chlorobenzene	12.18	112	381786	1.887	ppbv	96
58) Ethyl Benzene	12.74	91	644993	1.980	ppbv	96
59) m/p-Xylene	13.02	91	576580	2.018	ppbv #	37
60) o-Xylene	13.72	91	560756	1.965	ppbv	97
61) Styrene	13.56	104	364608	1.870	ppbv	99
62) Isopropylbenzene	14.70	105	824189	2.180	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	406574	1.794	ppbv	99
64) n-propylbenzene	15.60	120	207577	2.163	ppbv	82
65) tert-Butylbenzene	16.78	119	739539	2.243	ppbv	99
66) Benzyl Chloride	17.03	91	137207	1.078	ppbv #	78
67) sec-Butylbenzene	17.33	105	632503	1.343	ppbv #	73
69) p-Isopropyltoluene	17.69	119	876989	2.344	ppbv	98
70) n-Butylbenzene	18.59	91	552320	1.379	ppbv #	50
71) 2-Chlorotoluene	15.49	91	632741	2.183	ppbv	98
72) 4-Ethyltoluene	15.88	105	640554	2.033	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	614384	2.057	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	673813	2.093	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	384349	2.034	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	380190	2.038	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	363864	1.999	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	331344	2.223	ppbv	99
79) Naphthalene	22.27	128	618784	2.526	ppbv	97
80) Naphthalene,2-methyl-	25.02	142	218517	4.233	ppbv	95
81) 1,2,4-Trichlorobenzene	21.99	180	357916	2.393	ppbv	100

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

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VSTDICC002

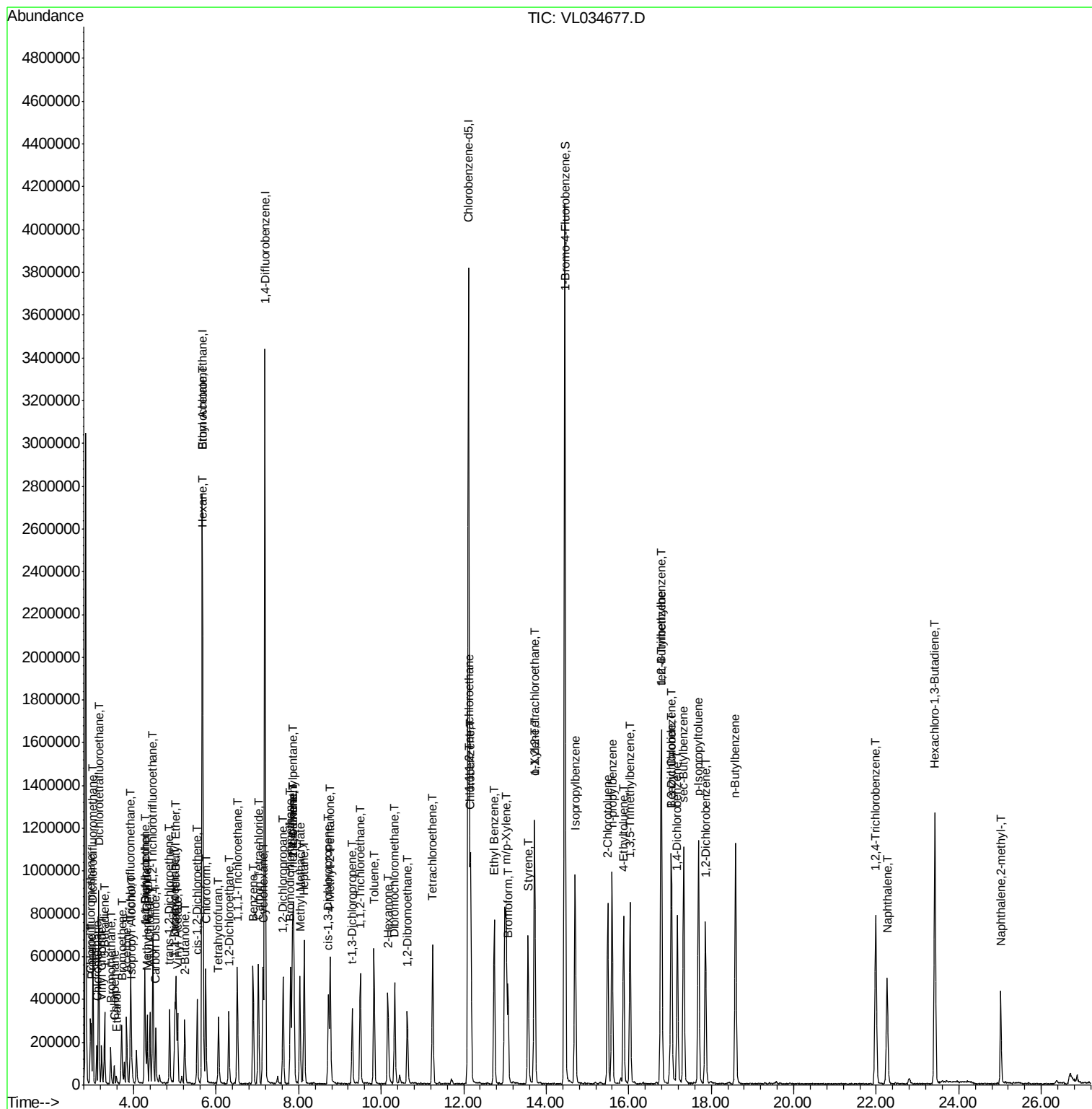
Quant Time: Feb 26 03:41:08 2020

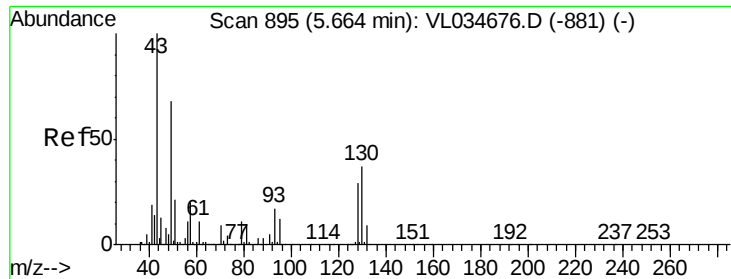
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL022620AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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ClientSampleId :

VSTDIC002

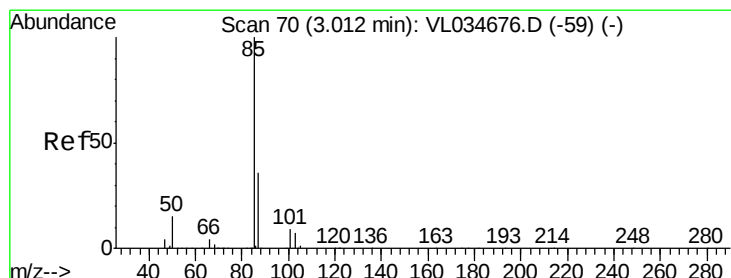
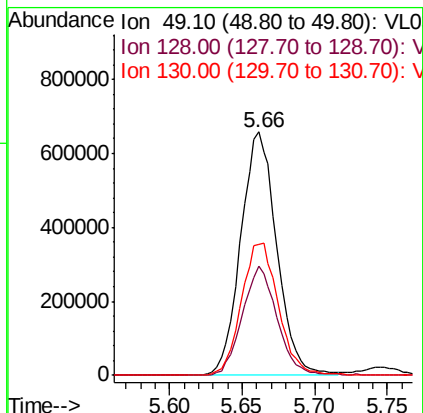
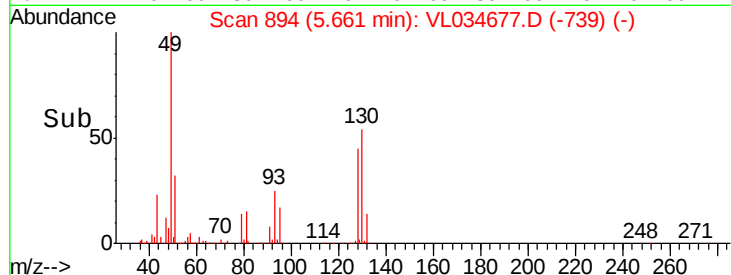
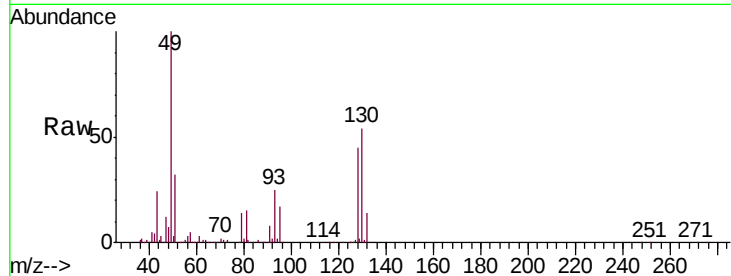
Tgt Ion: 49 Resp: 1135754

Ion Ratio Lower Upper

49 100

128 43.7 21.6 65.0

130 56.1 27.7 83.1



#2

Dichlorodifluoromethane

Concen: 2.379 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034677.D

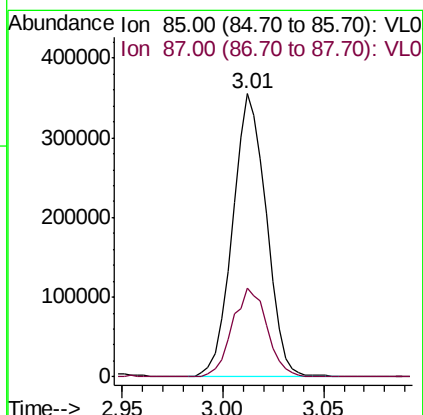
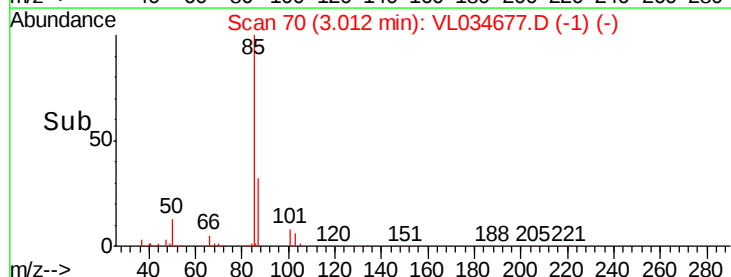
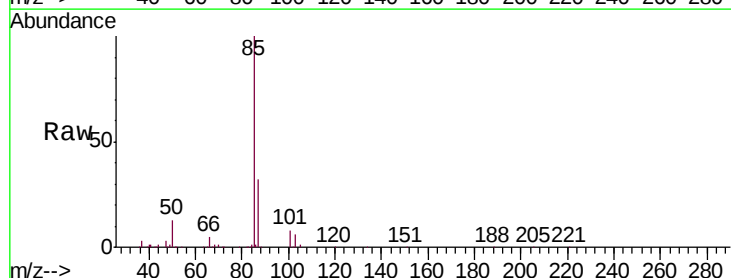
Acq: 26 Feb 2020 3:08

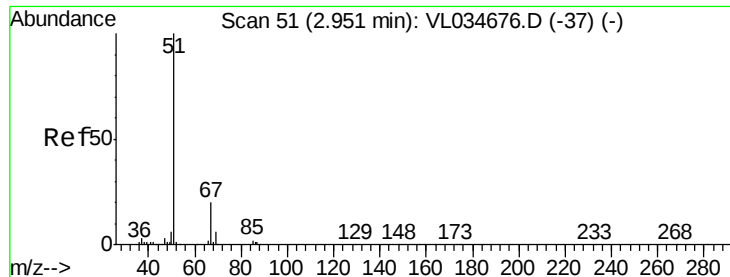
Tgt Ion: 85 Resp: 417766

Ion Ratio Lower Upper

85 100

87 31.5 29.2 43.8

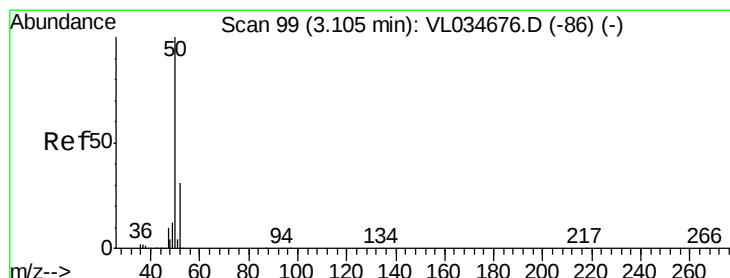
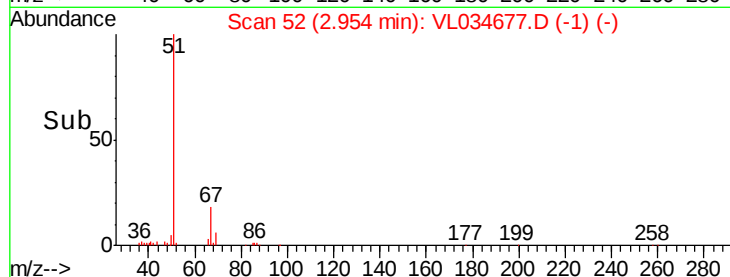
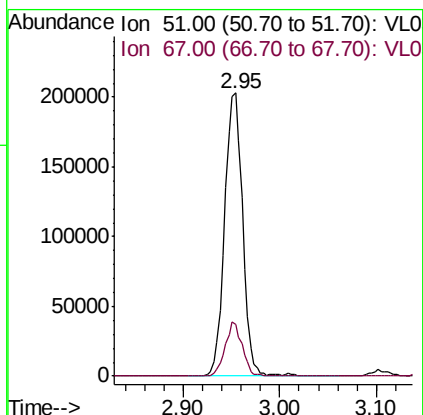
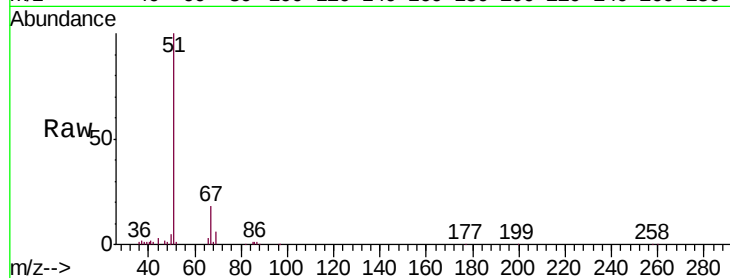




#3
Chlorodifluoromethane
Concen: 1.907 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

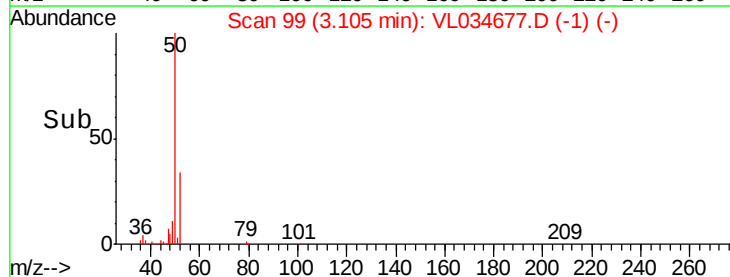
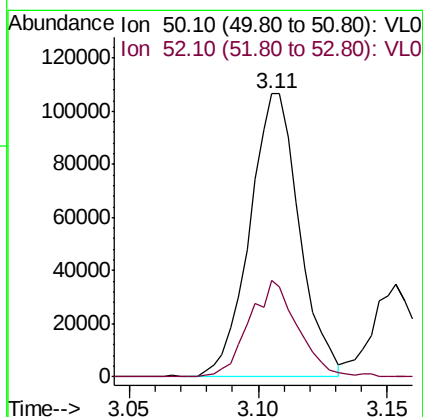
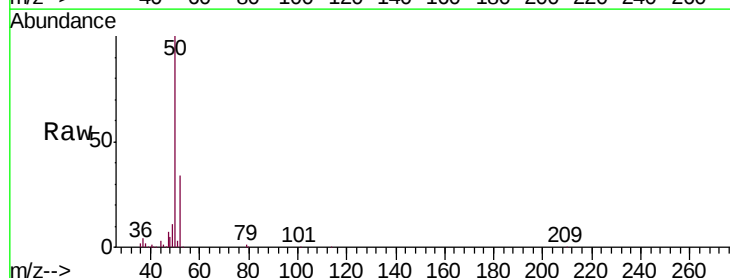
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

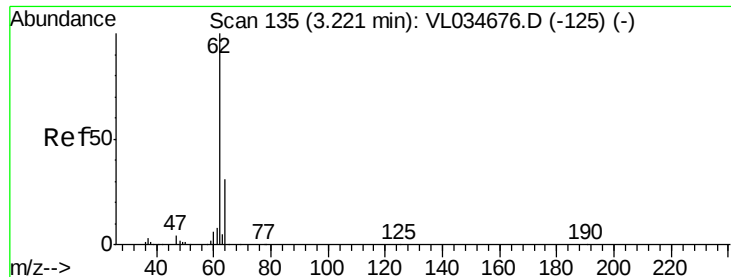
Tgt Ion: 51 Resp: 262114
Ion Ratio Lower Upper
51 100
67 18.0 15.5 23.3



#4
Chloromethane
Concen: 1.738 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion: 50 Resp: 143840
Ion Ratio Lower Upper
50 100
52 34.0 25.0 37.4





#5

Vinyl Chloride

Concen: 1.744 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

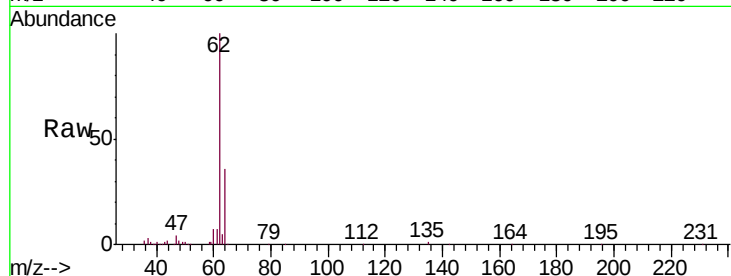
VSTDIC002

Tgt Ion: 62 Resp: 134301

Ion Ratio Lower Upper

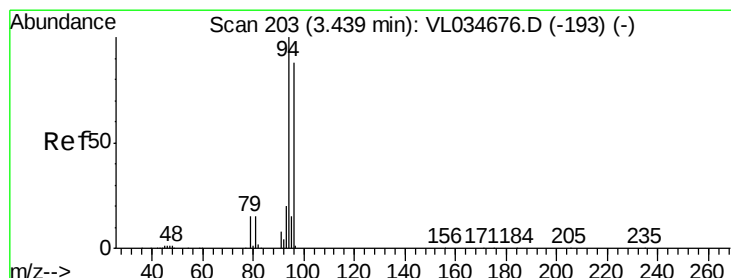
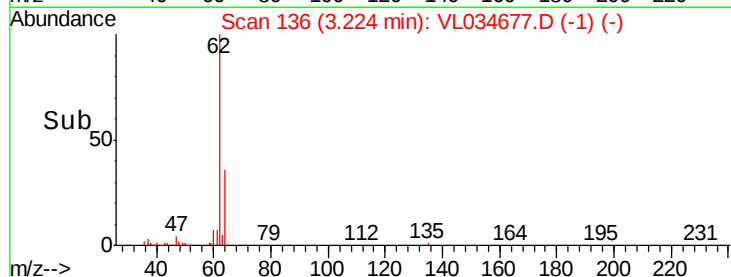
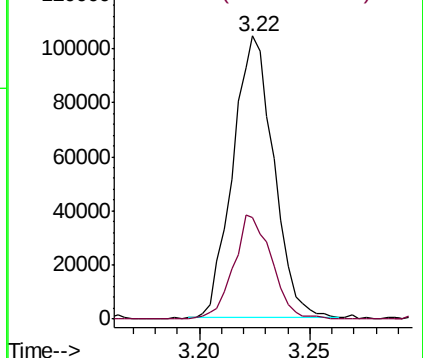
62 100

64 35.9 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.031 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034677.D

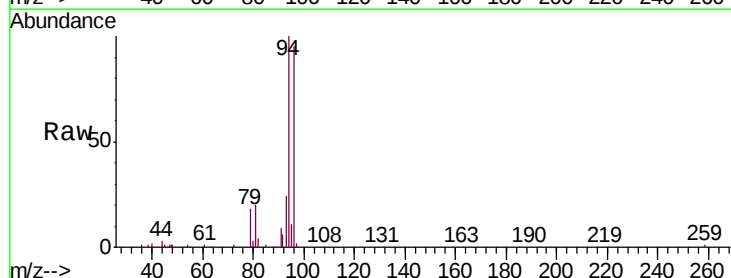
Acq: 26 Feb 2020 3:08

Tgt Ion: 94 Resp: 81649

Ion Ratio Lower Upper

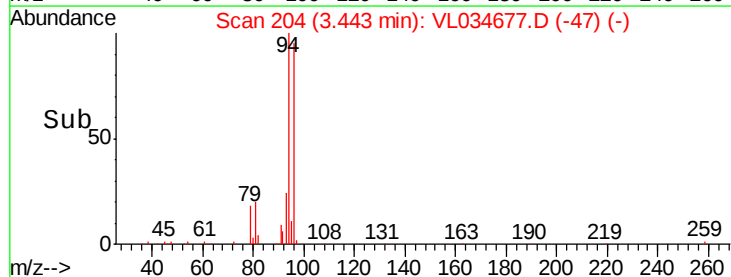
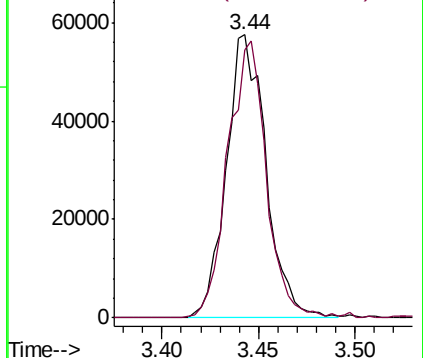
94 100

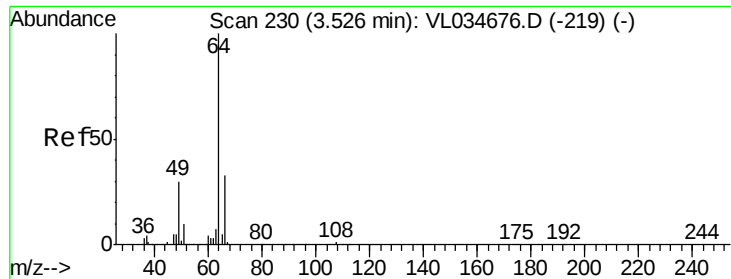
96 94.3 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.816 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034677.D

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ClientSampleId :

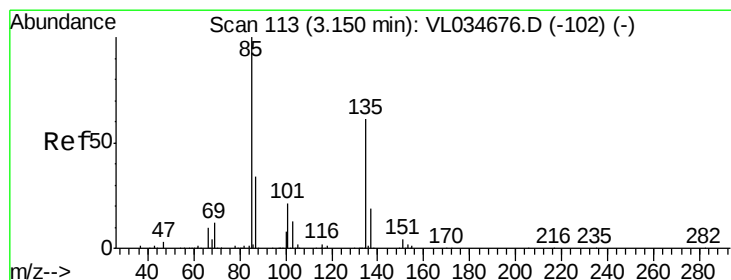
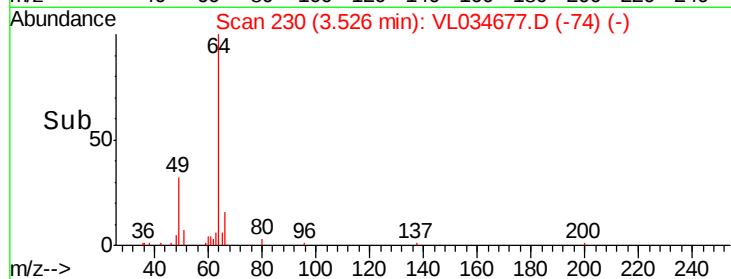
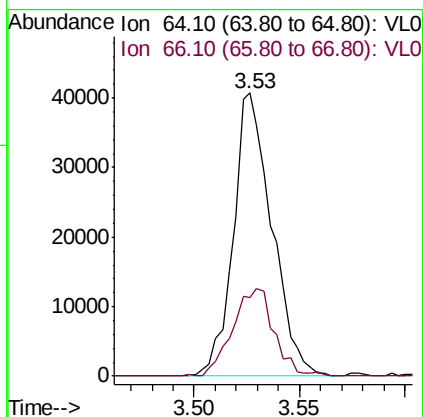
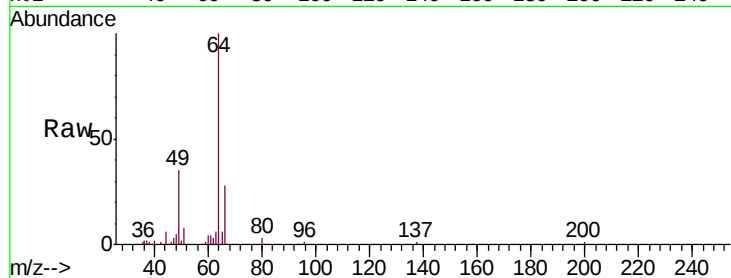
VSTDIC002

Tgt Ion: 64 Resp: 51411

Ion Ratio Lower Upper

64 100

66 27.8 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 1.900 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034677.D

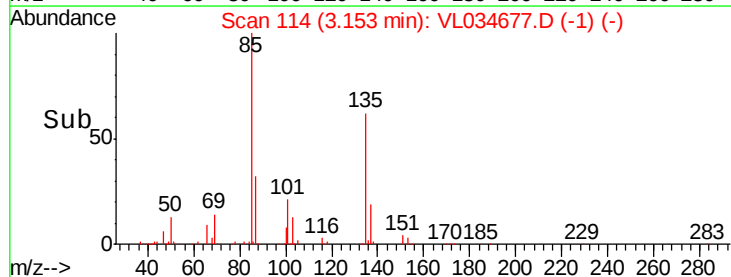
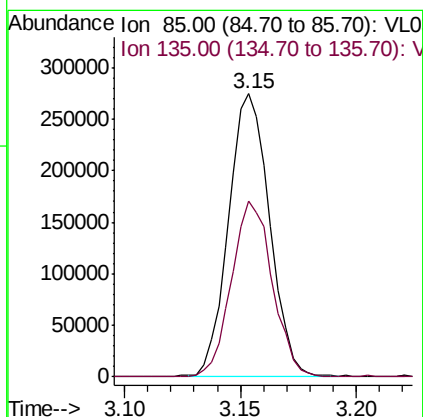
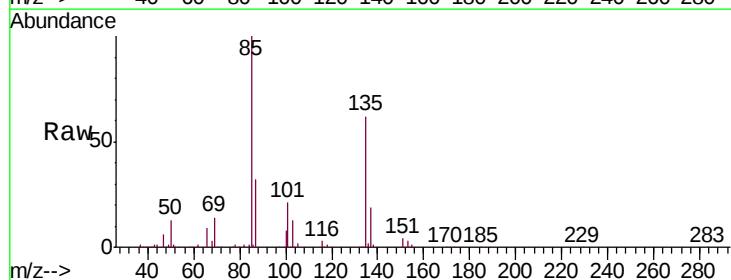
Acq: 26 Feb 2020 3:08

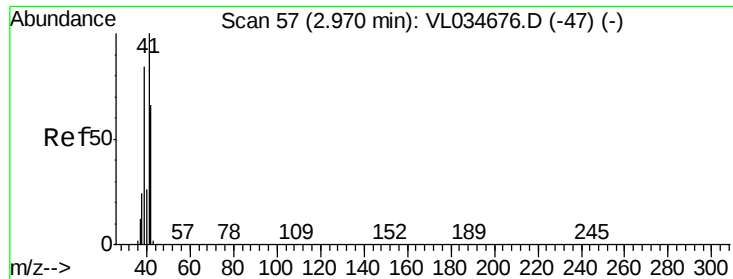
Tgt Ion: 85 Resp: 335121

Ion Ratio Lower Upper

85 100

135 62.2 49.8 74.6





#9

Propene

Concen: 1.884 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

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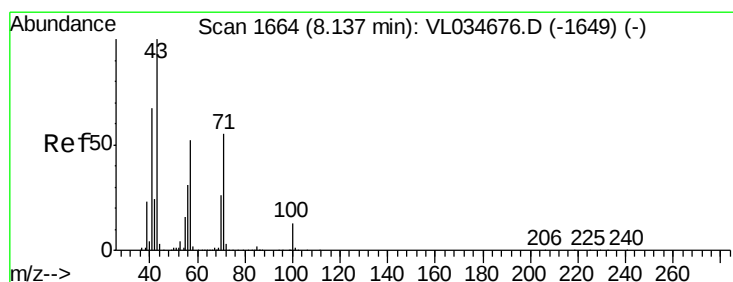
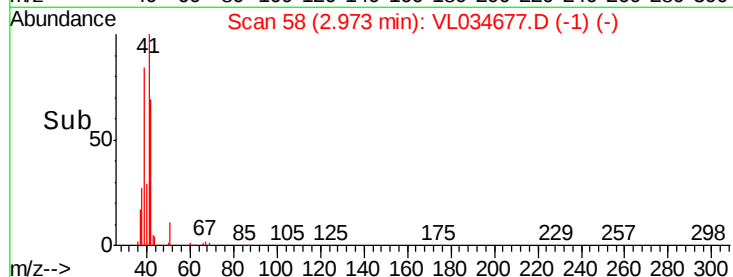
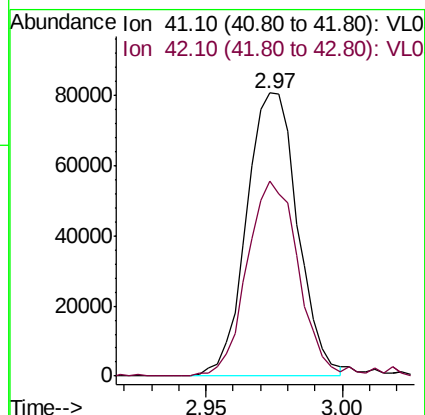
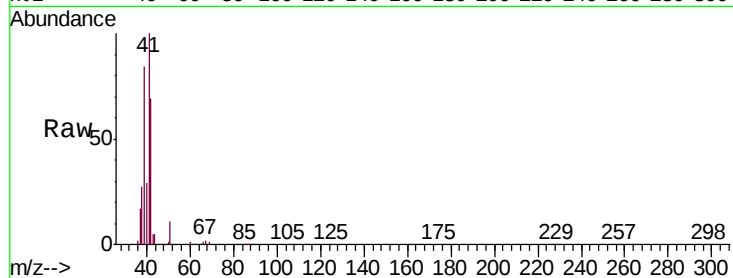
VSTDIC002

Tgt Ion: 41 Resp: 104825

Ion Ratio Lower Upper

41 100

42 71.1 54.9 82.3



#10

Heptane

Concen: 1.872 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034677.D

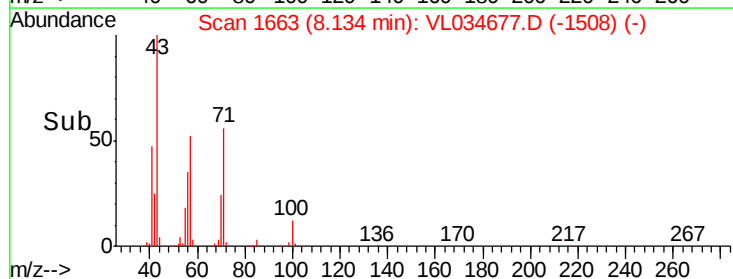
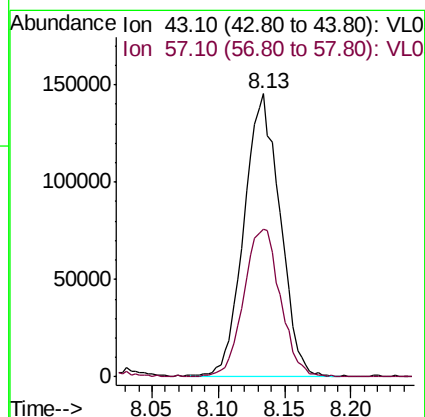
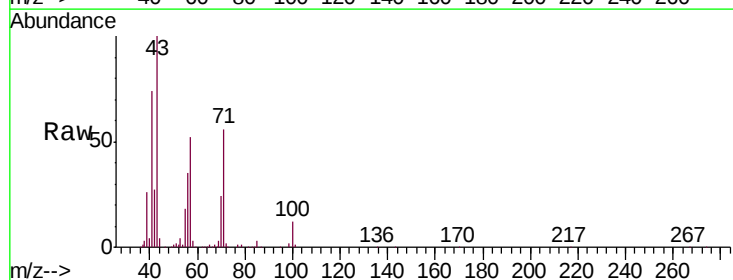
Acq: 26 Feb 2020 3:08

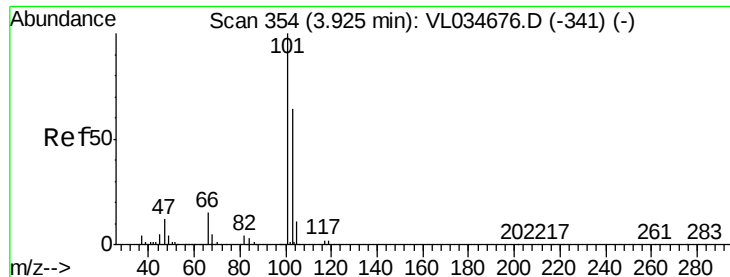
Tgt Ion: 43 Resp: 273734

Ion Ratio Lower Upper

43 100

57 53.3 41.0 61.6

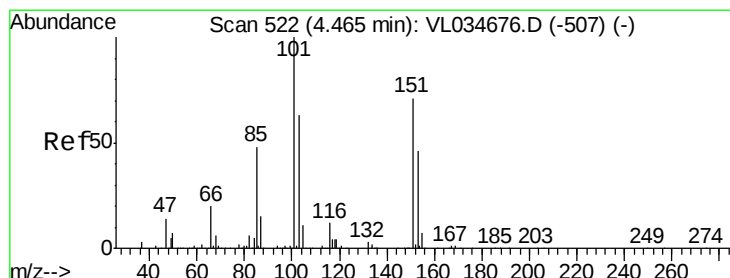
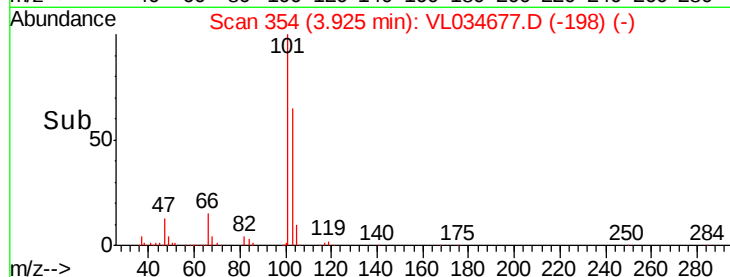
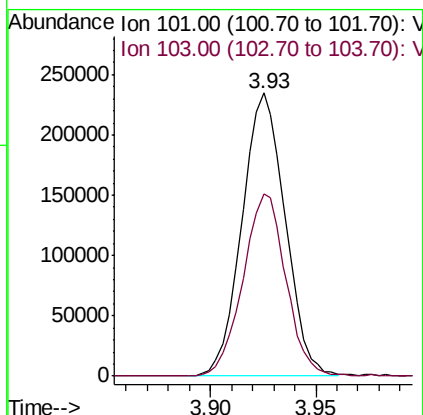
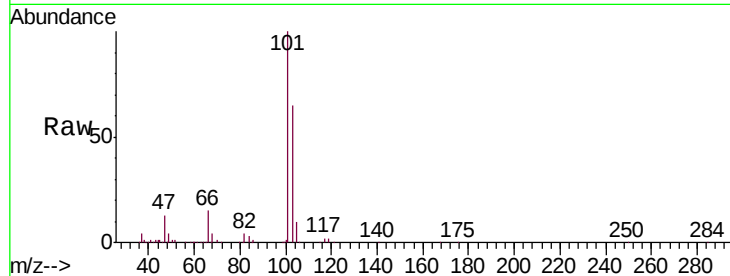




#11
 Trichlorofluoromethane
 Concen: 1.877 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

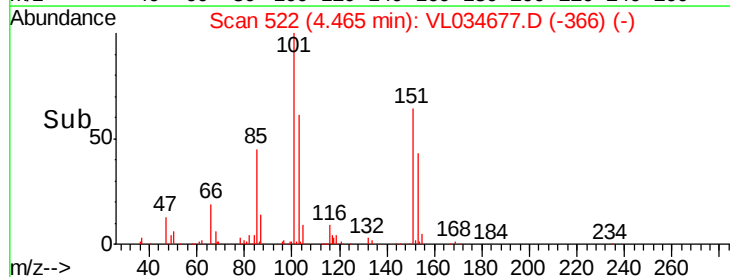
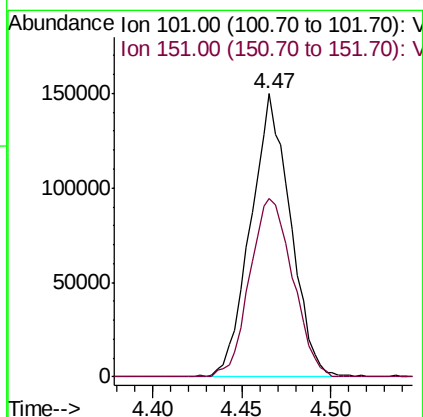
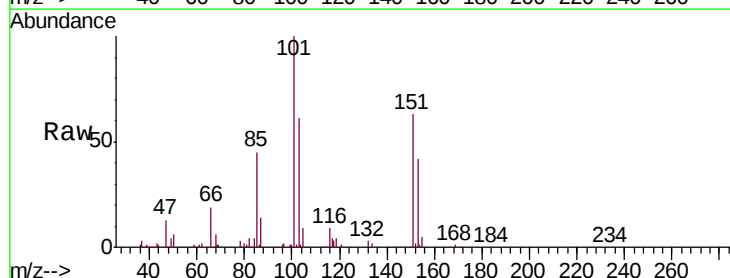
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

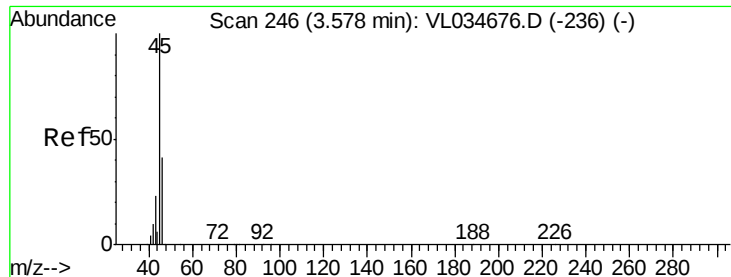
Tgt Ion:101 Resp: 334396
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.901 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion:101 Resp: 233475
 Ion Ratio Lower Upper
 101 100
 151 67.9 55.8 83.6





#13

Ethanol

Concen: 1.469 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

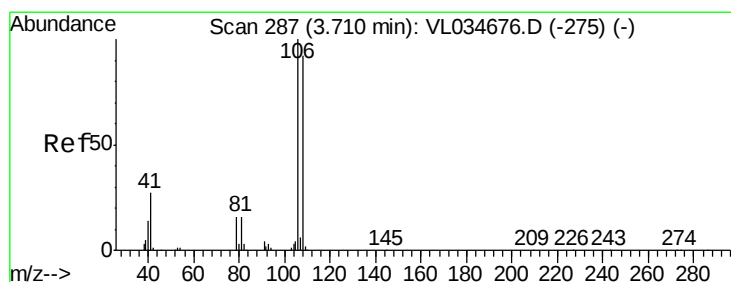
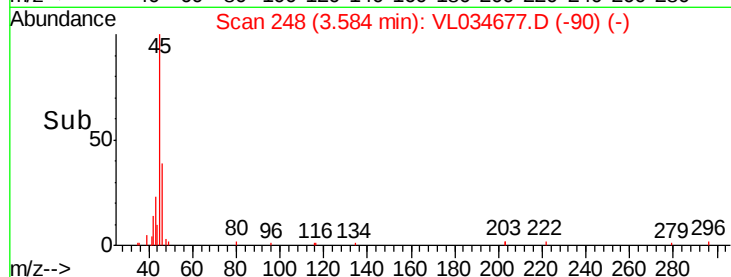
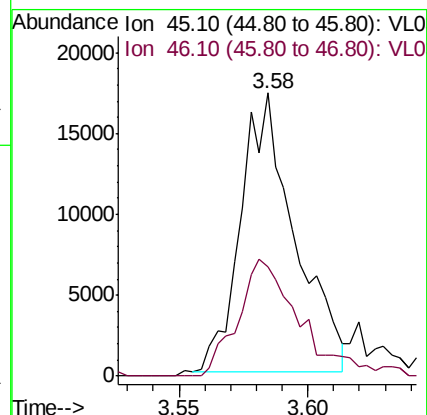
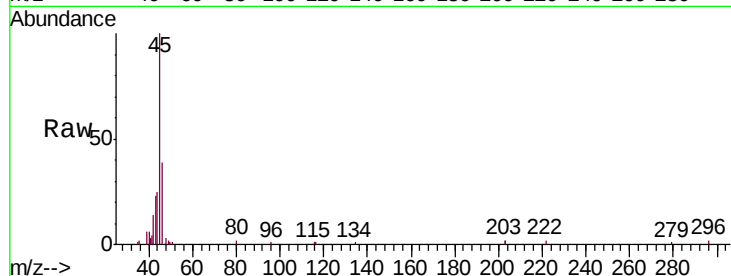
VSTDIC002

Tgt Ion: 45 Resp: 25172

Ion Ratio Lower Upper

45 100

46 49.1 15.4 61.4



#14

Bromoethene

Concen: 1.880 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

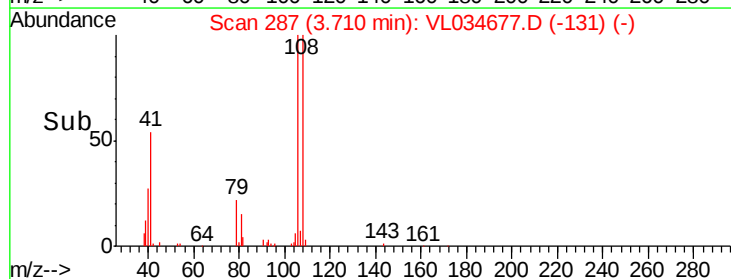
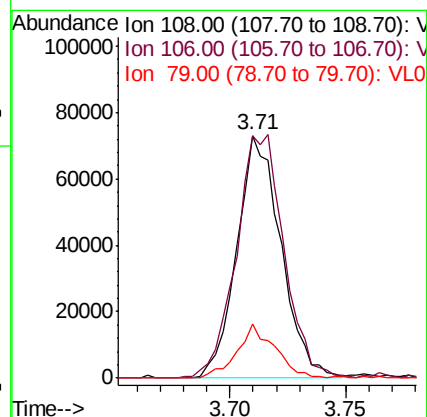
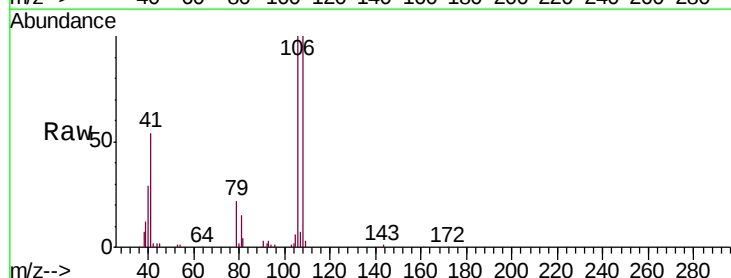
Tgt Ion: 108 Resp: 95258

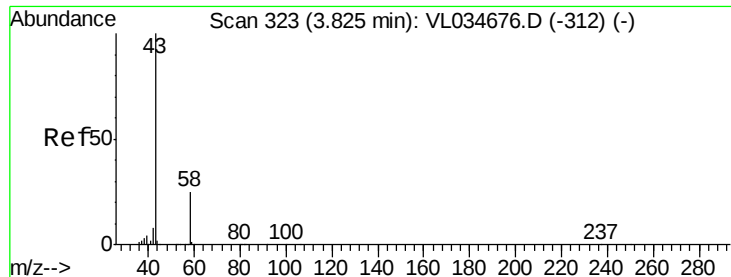
Ion Ratio Lower Upper

108 100

106 111.7 86.7 130.1

79 20.0 15.0 22.6





#15

Acetone

Concen: 1.830 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

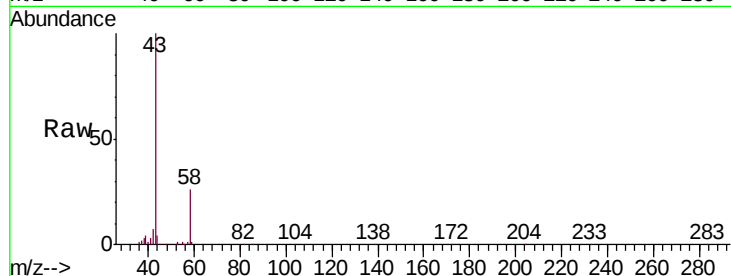
VSTDIC002

Tgt Ion: 43 Resp: 282154

Ion Ratio Lower Upper

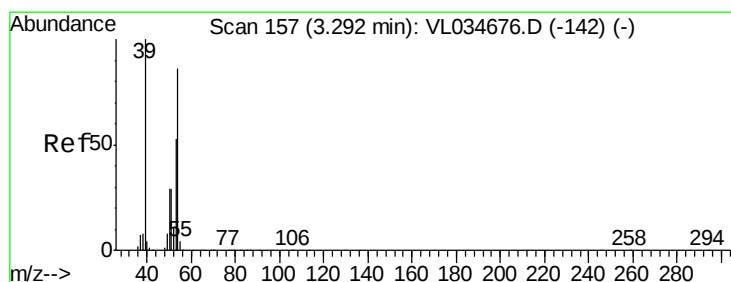
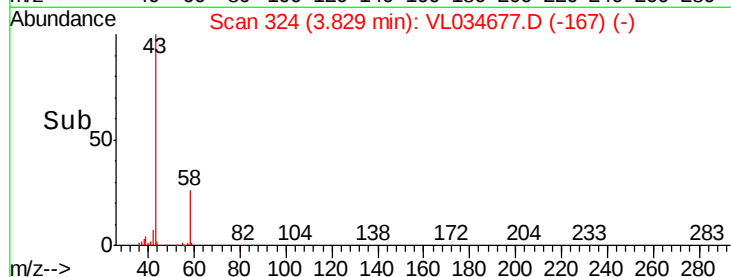
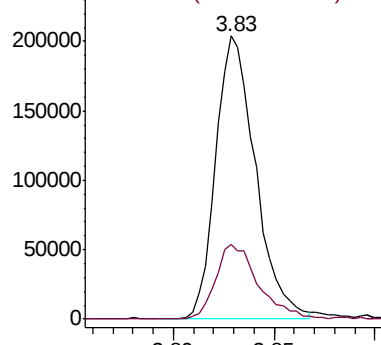
43 100

58 29.0 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.778 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034677.D

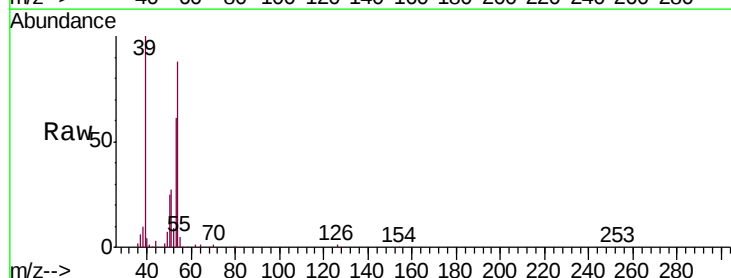
Acq: 26 Feb 2020 3:08

Tgt Ion: 39 Resp: 116569

Ion Ratio Lower Upper

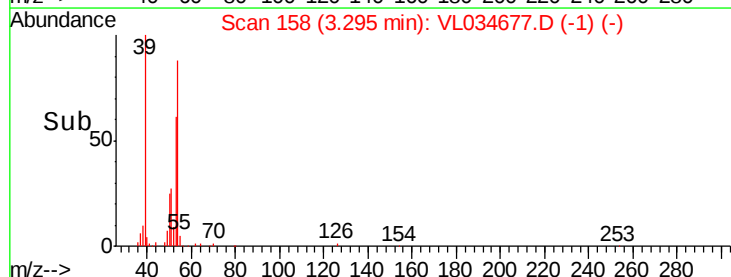
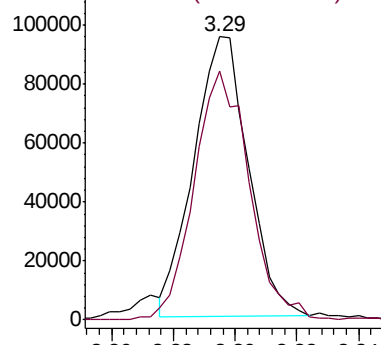
39 100

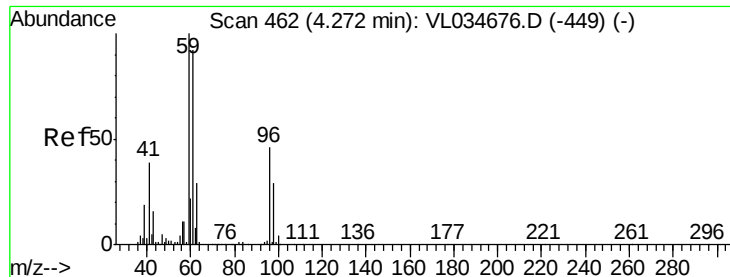
54 91.0 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

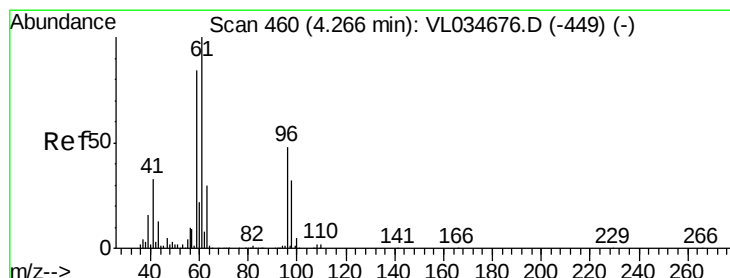
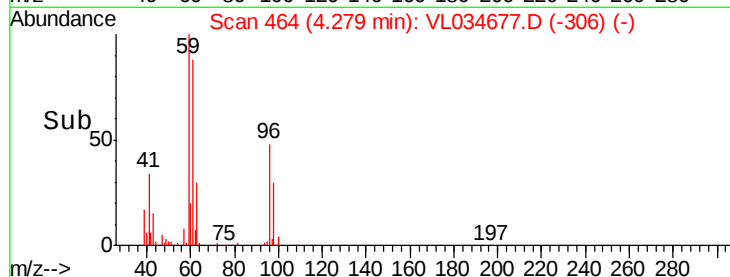
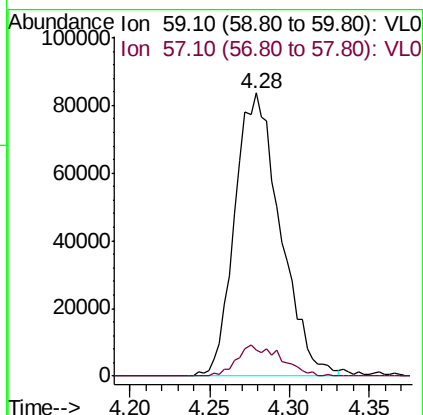
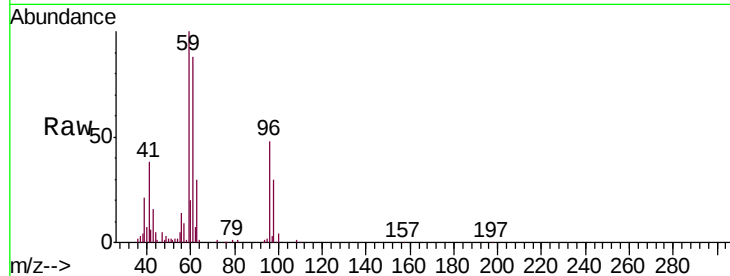




#17
 tert-Butyl alcohol
 Concen: 1.386 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

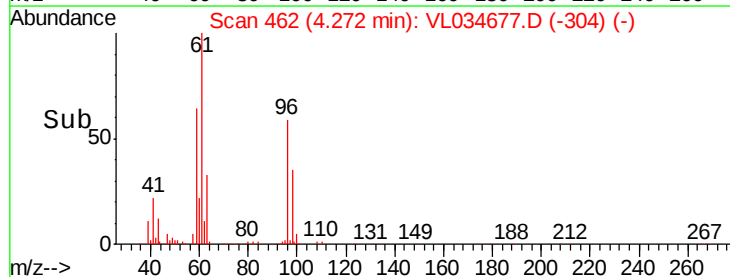
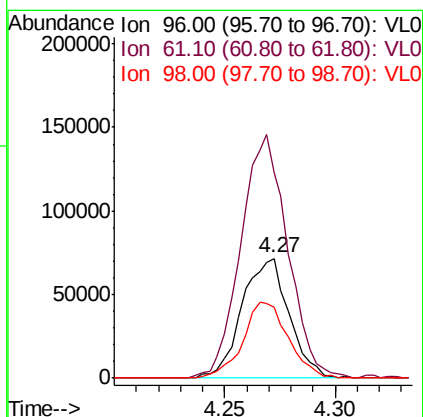
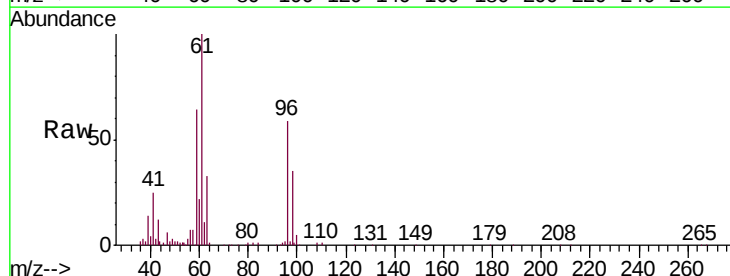
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

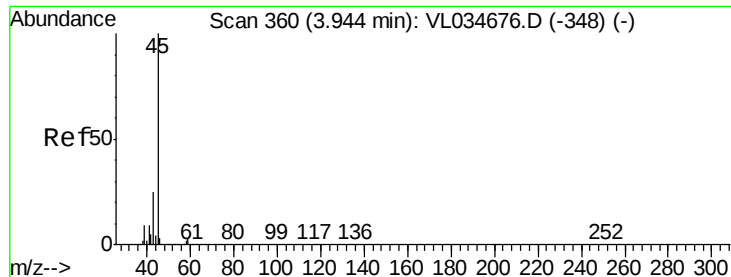
Tgt Ion: 59 Resp: 162465
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2



#18
 1,1-Dichloroethene
 Concen: 1.871 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion: 96 Resp: 104919
 Ion Ratio Lower Upper
 96 100
 61 171.0 165.1 247.7
 98 60.5 52.7 79.1





#19

Isopropyl Alcohol

Concen: 1.174 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

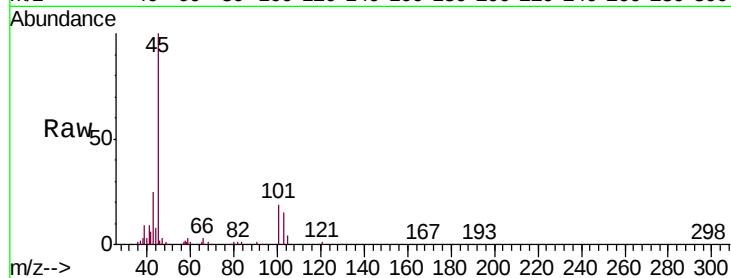
VSTDIC002

Tgt Ion: 45 Resp: 124418

Ion Ratio Lower Upper

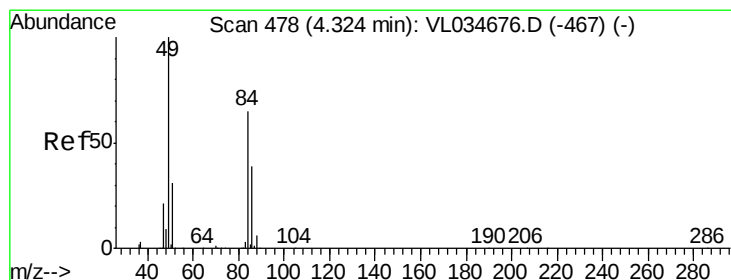
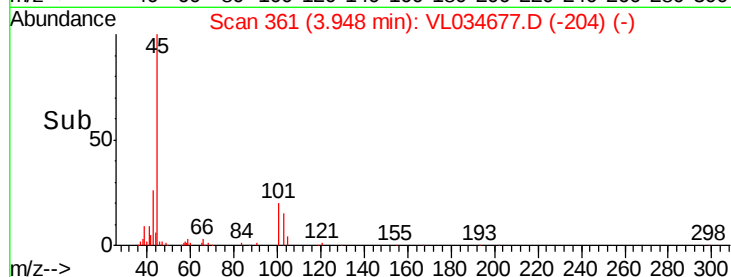
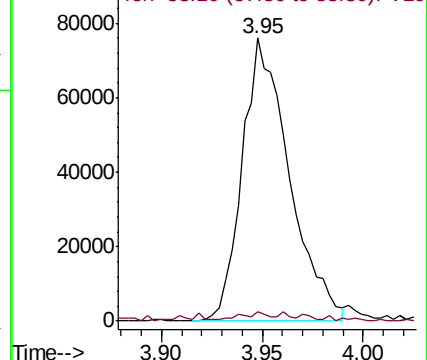
45 100

58 4.7 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.741 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Tgt Ion: 84 Resp: 98267

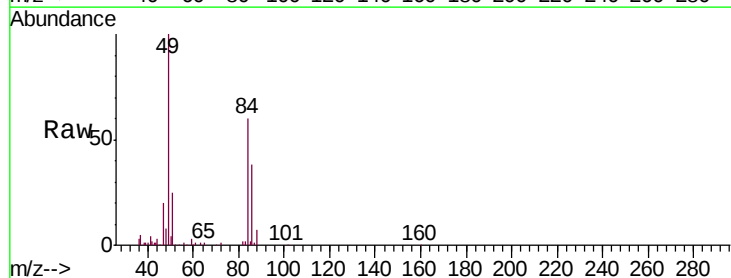
Ion Ratio Lower Upper

84 100

49 167.9 122.8 184.2

51 40.9 38.6 58.0

86 63.5 47.7 71.5

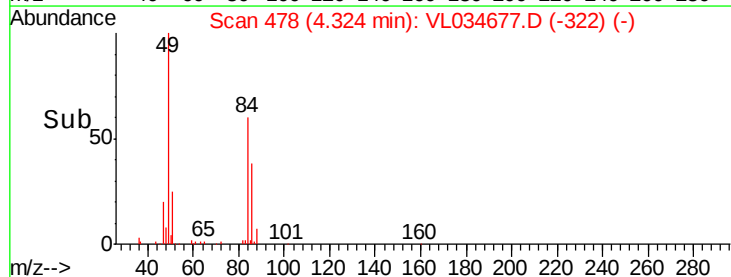
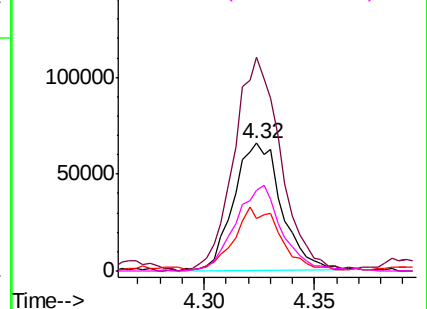


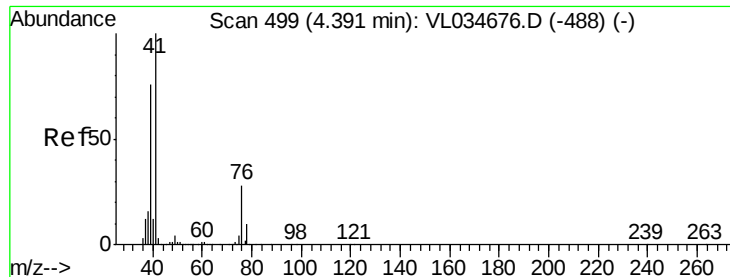
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 1.884 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

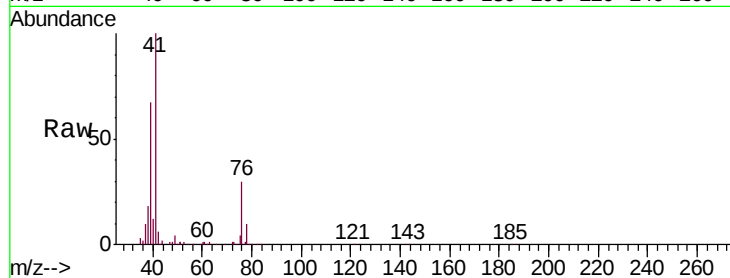
Tgt Ion: 41 Resp: 176873

Ion Ratio Lower Upper

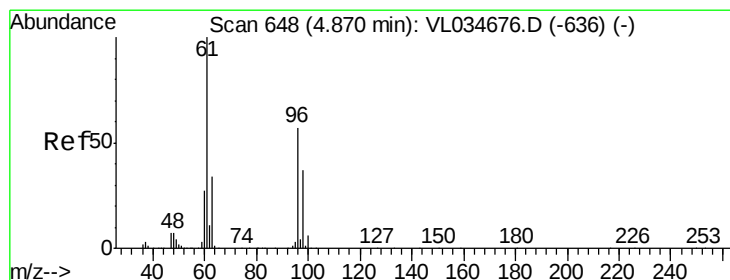
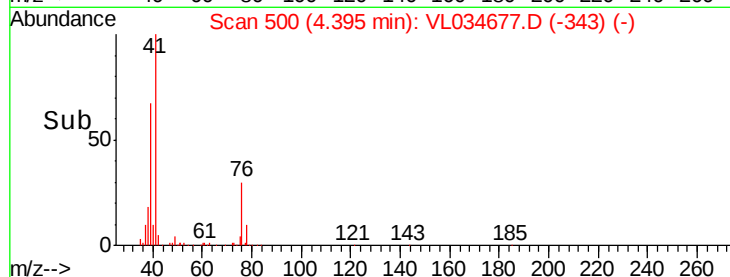
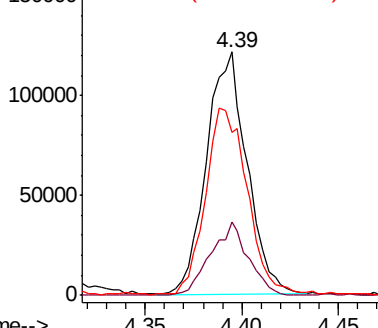
41 100

76 28.1 22.8 34.2

39 80.4 61.7 92.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 1.772 ppbv

RT: 4.87 min Scan# 648

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

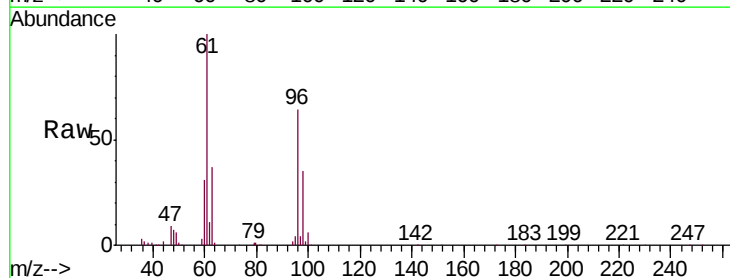
Tgt Ion: 96 Resp: 97468

Ion Ratio Lower Upper

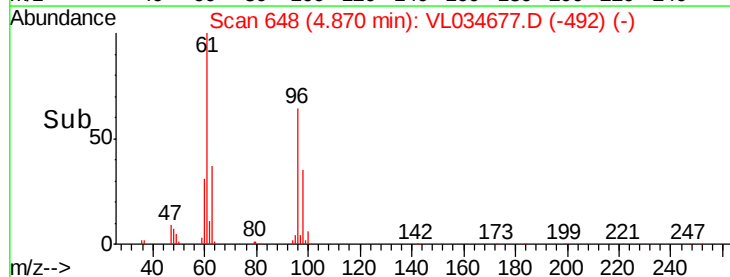
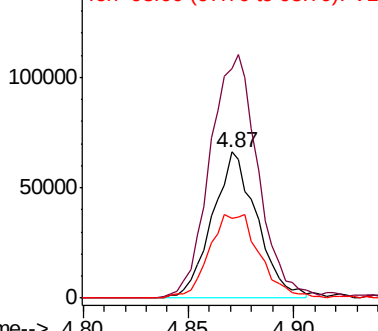
96 100

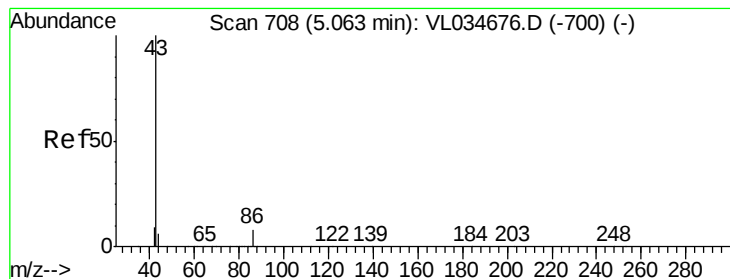
61 157.2 139.4 209.0

98 54.8 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.964 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 374975

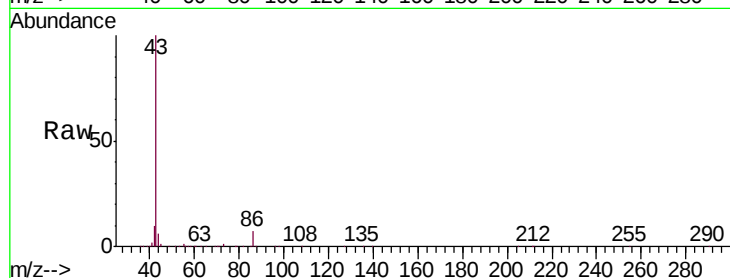
Ion Ratio Lower Upper

43 100

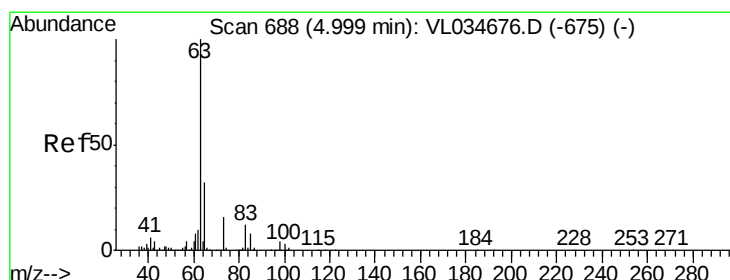
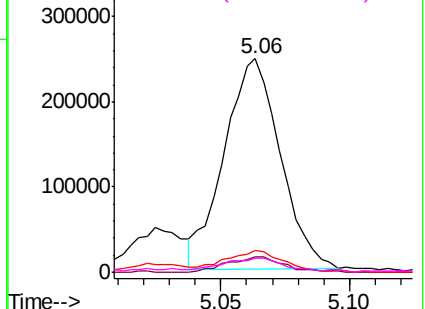
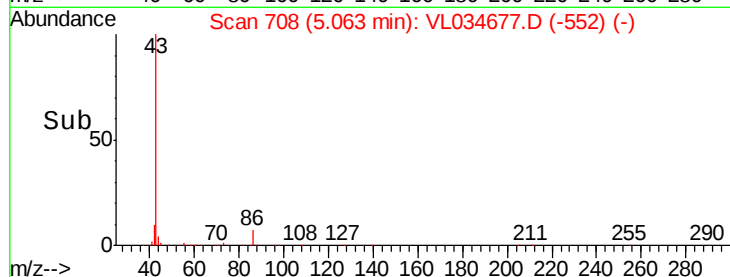
86 7.4 6.0 9.0

42 9.6 8.0 12.0

44 5.6 4.5 6.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.813 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

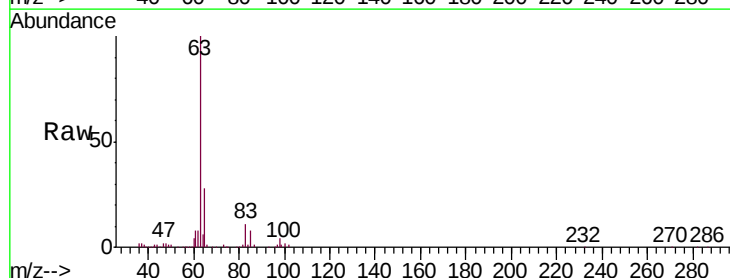
Tgt Ion: 63 Resp: 288317

Ion Ratio Lower Upper

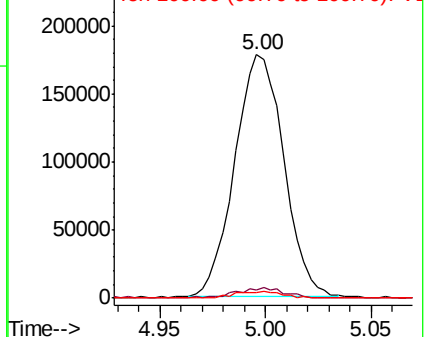
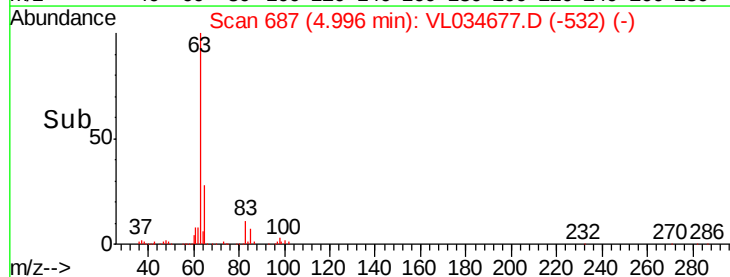
63 100

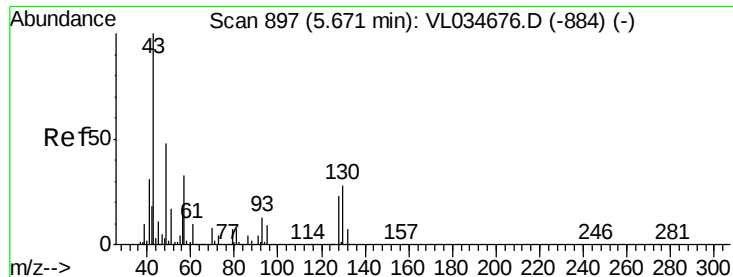
98 3.4 2.1 6.2

100 2.1 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

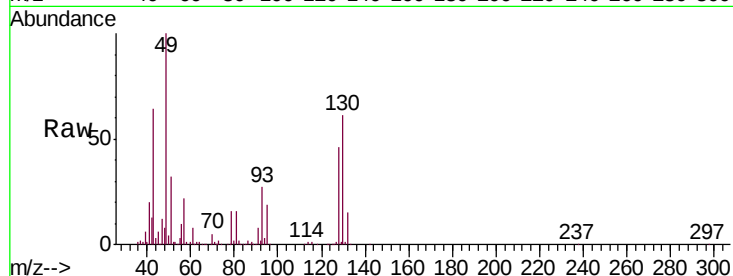




#25
Ethyl Acetate
Concen: 1.837 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:	43	Resp:	488257
Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.2	12.4
61	10.3	7.8	11.6
70	7.2	6.1	9.1



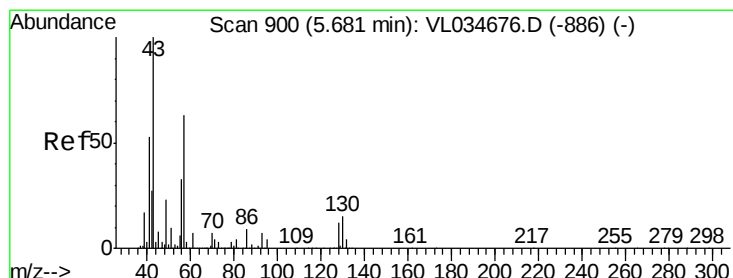
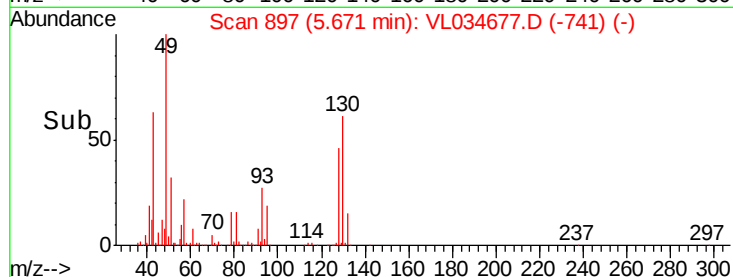
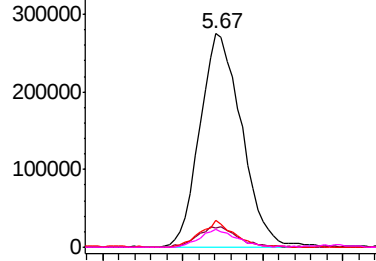
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

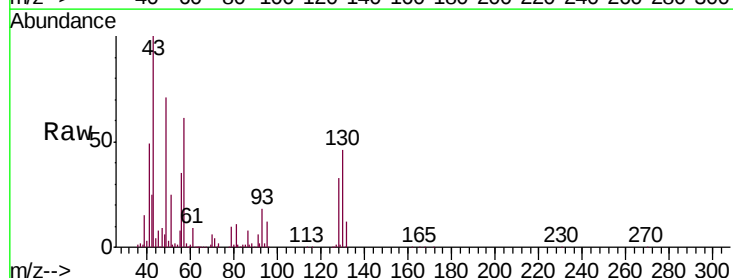
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.897 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion:	57	Resp:	223883
Ion	Ratio	Lower	Upper
57	100		
41	88.7	70.3	105.5
43	220.0	177.0	265.4
56	50.6	42.6	64.0



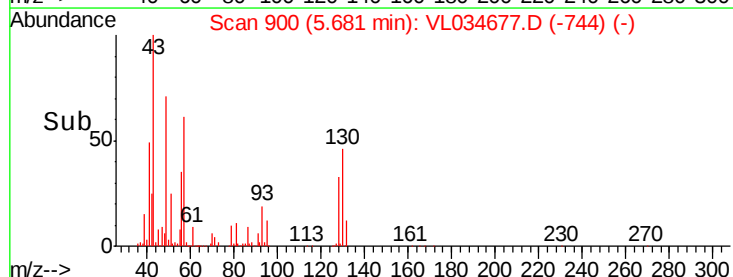
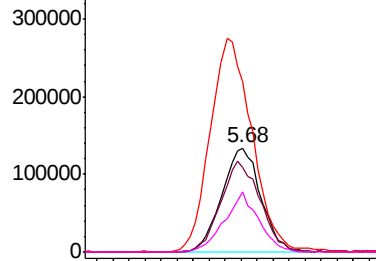
Abundance

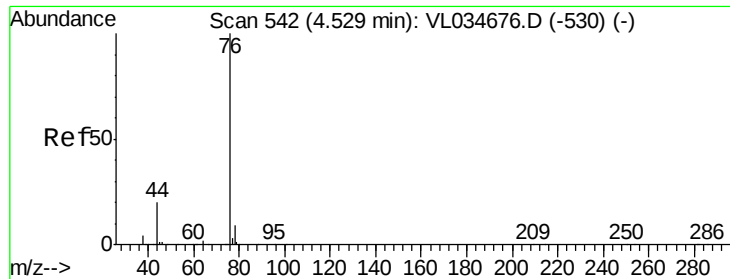
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.895 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

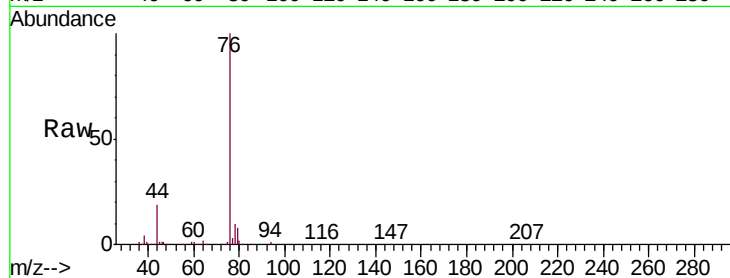
Tgt Ion: 76 Resp: 254039

Ion Ratio Lower Upper

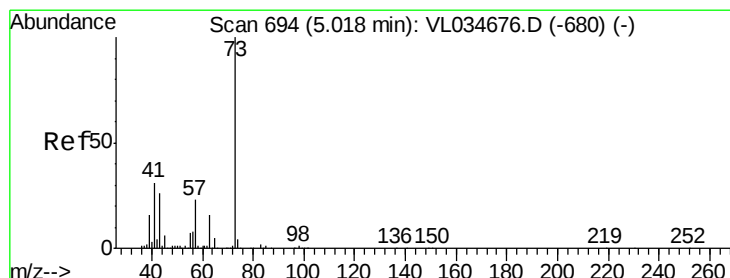
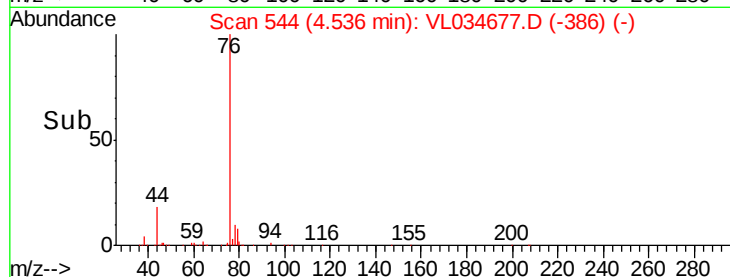
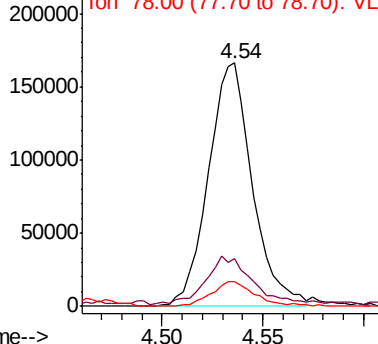
76 100

44 23.3 15.3 22.9#

78 10.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.931 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL034677.D

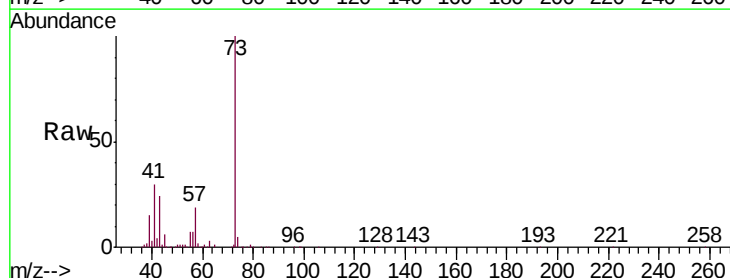
Acq: 26 Feb 2020 3:08

Tgt Ion: 73 Resp: 329147

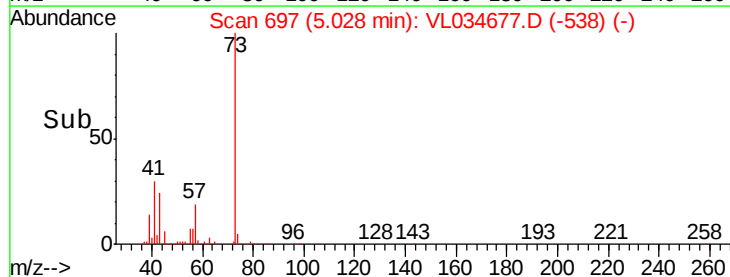
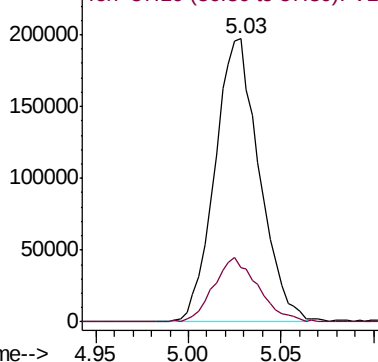
Ion Ratio Lower Upper

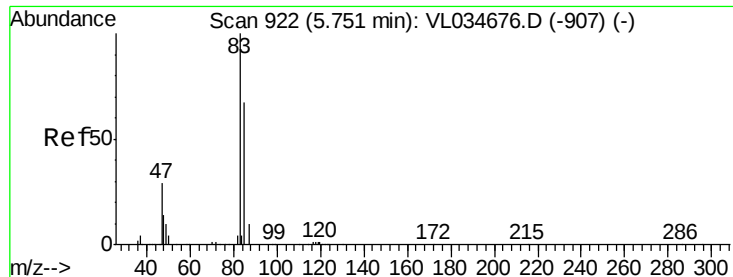
73 100

57 22.9 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

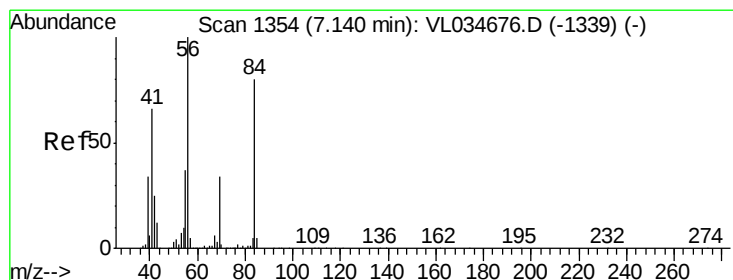
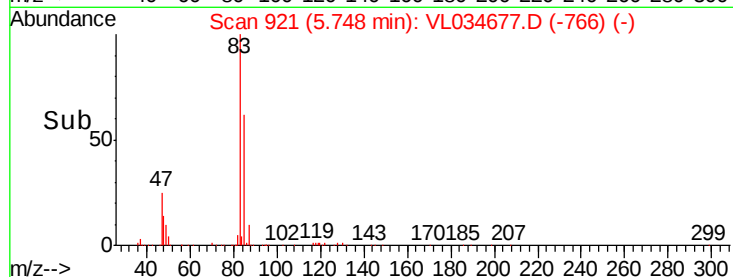
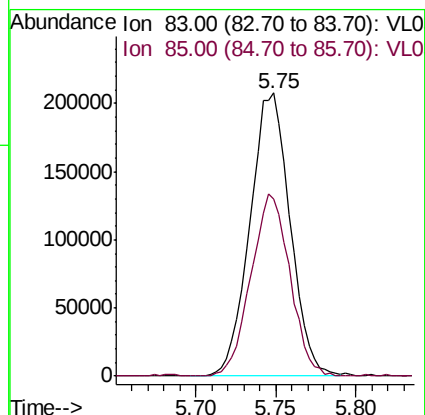
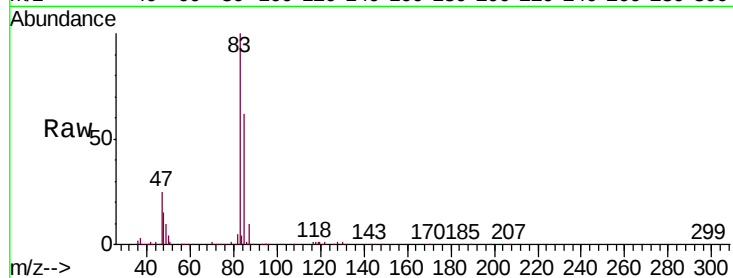




#29
Chloroform
Concen: 1.907 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

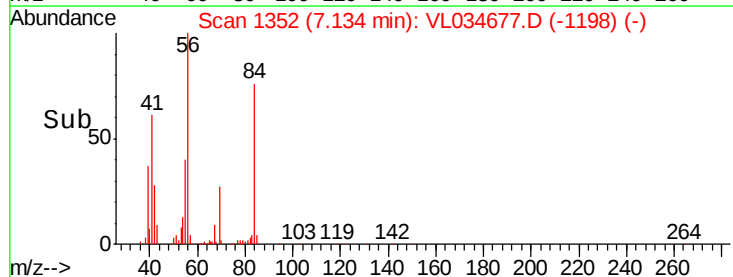
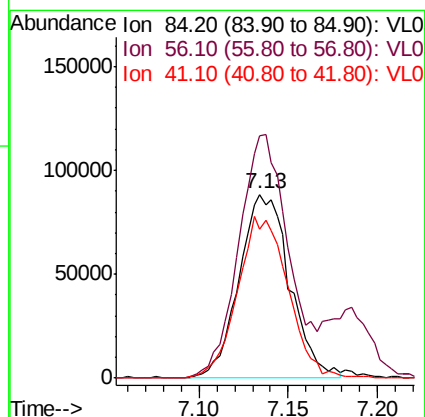
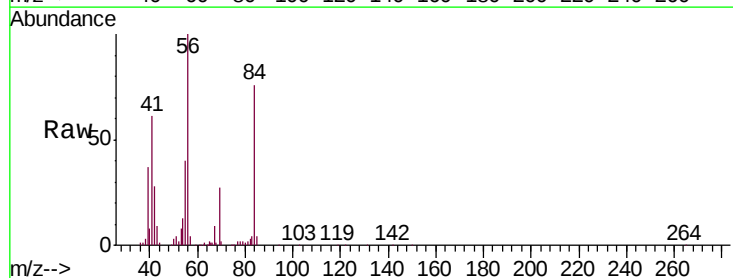
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

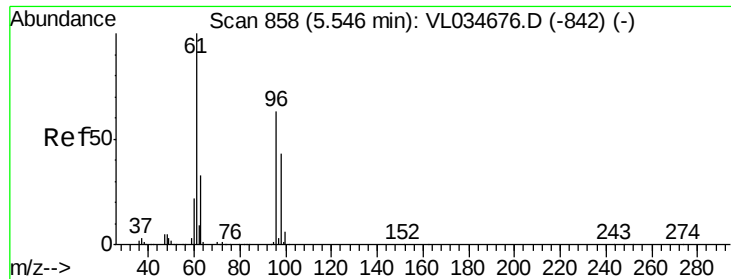
Tgt Ion: 83 Resp: 358087
Ion Ratio Lower Upper
83 100
85 62.2 53.9 80.9



#30
Cyclohexane
Concen: 1.938 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion: 84 Resp: 175091
Ion Ratio Lower Upper
84 100
56 130.6 113.4 170.2
41 87.5 68.2 102.4





#31

cis-1,2-Dichloroethene

Concen: 1.860 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

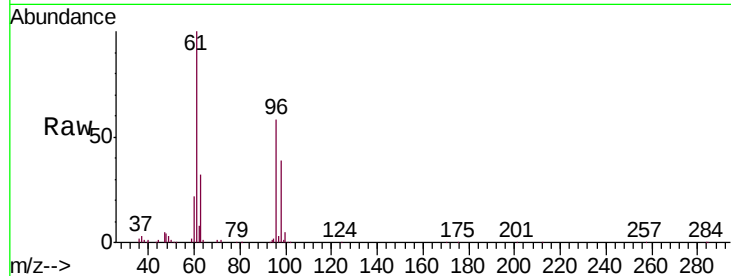
Tgt Ion: 61 Resp: 212787

Ion Ratio Lower Upper

61 100

96 57.9 50.2 75.2

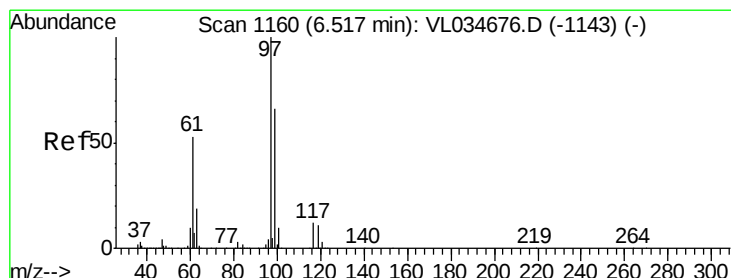
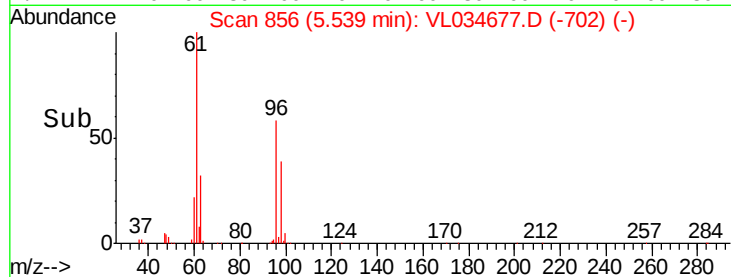
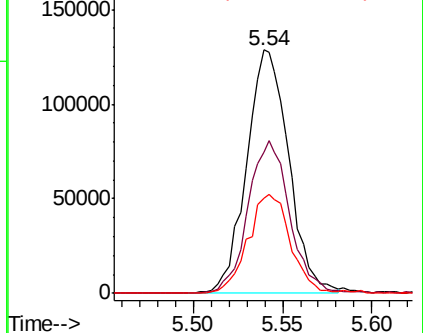
98 38.9 34.3 51.5



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.909 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

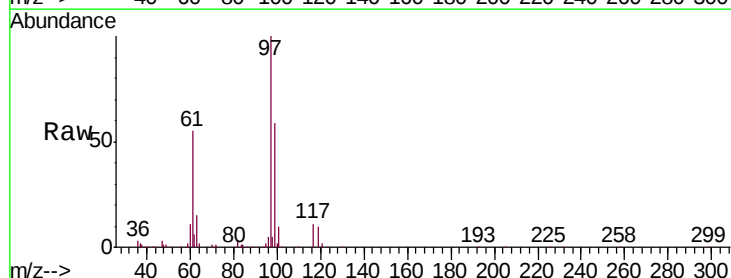
Tgt Ion: 97 Resp: 328387

Ion Ratio Lower Upper

97 100

99 62.7 52.3 78.5

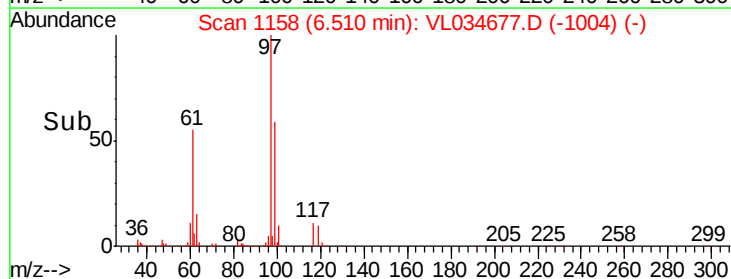
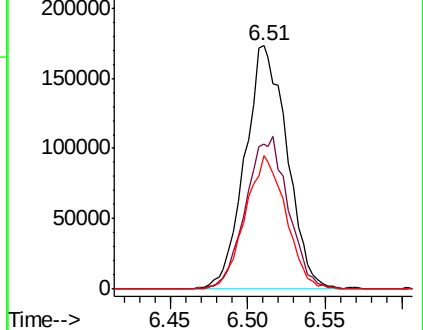
61 53.2 42.8 64.2

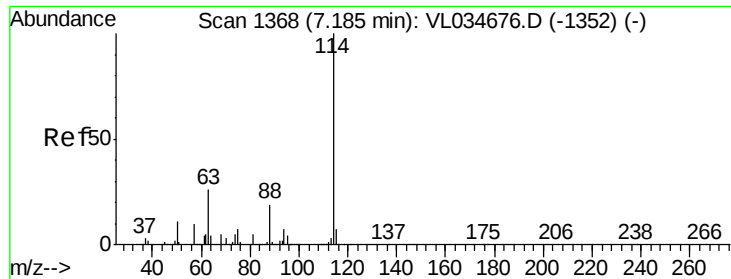


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

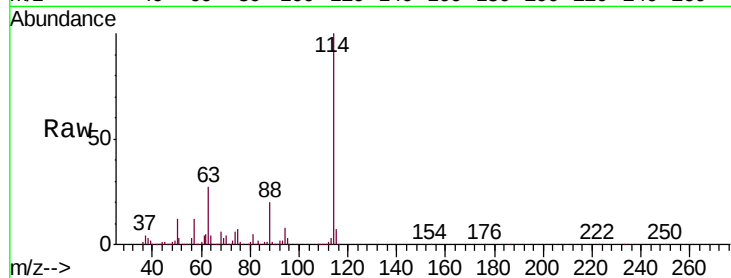




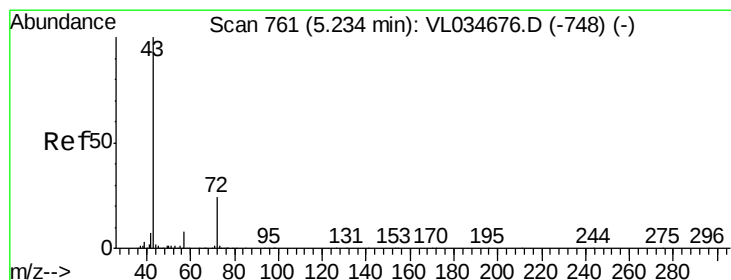
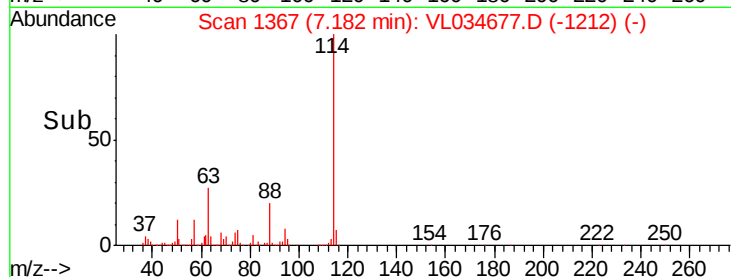
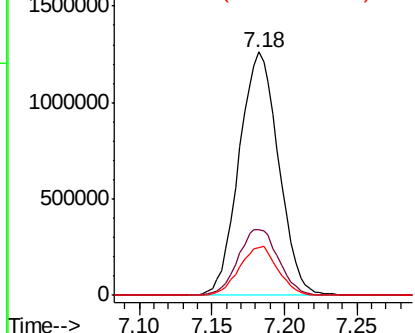
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 2391945
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.9 34.3
 88 19.5 15.8 23.6

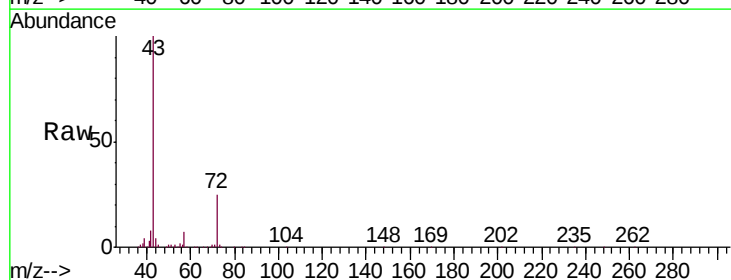


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

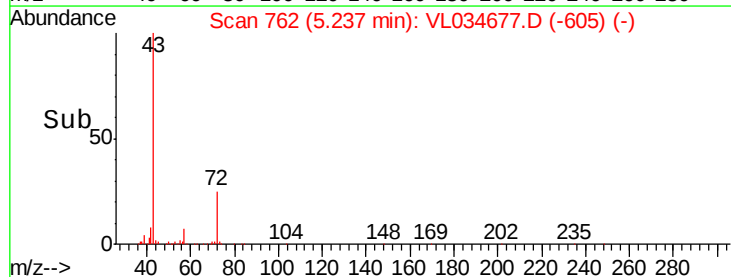
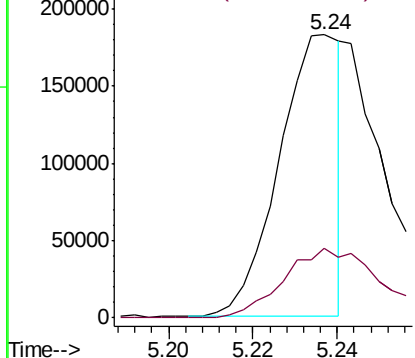


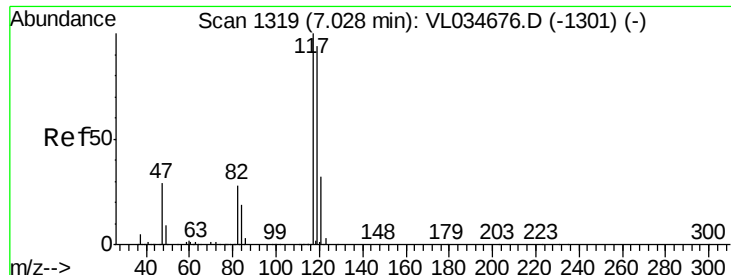
#34
 2-Butanone
 Concen: 1.086 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion: 43 Resp: 184227
 Ion Ratio Lower Upper
 43 100
 72 41.1 18.2 27.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.807 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

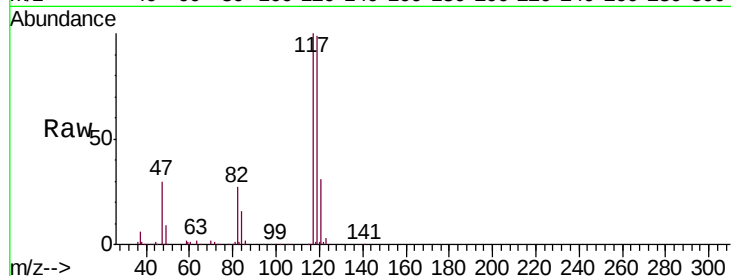
Tgt Ion: 117 Resp: 329261

Ion Ratio Lower Upper

117 100

119 98.9 75.5 113.3

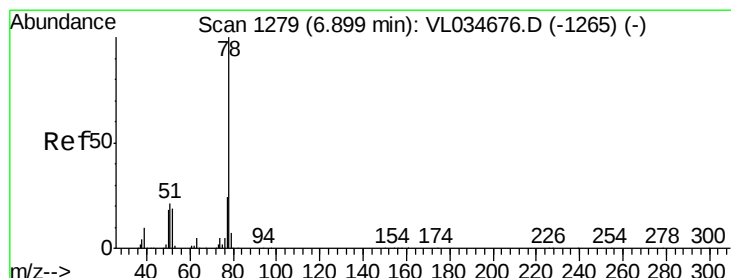
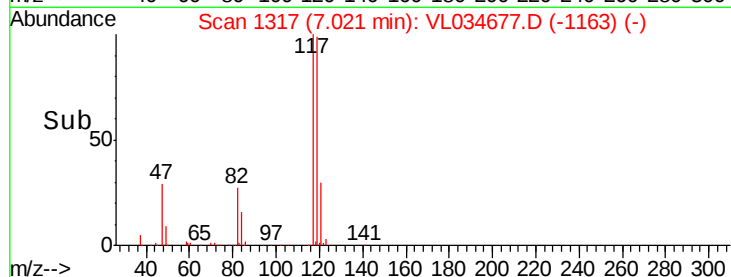
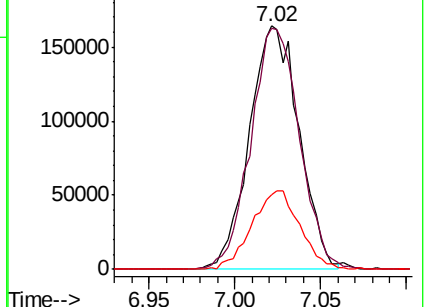
121 30.9 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.915 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

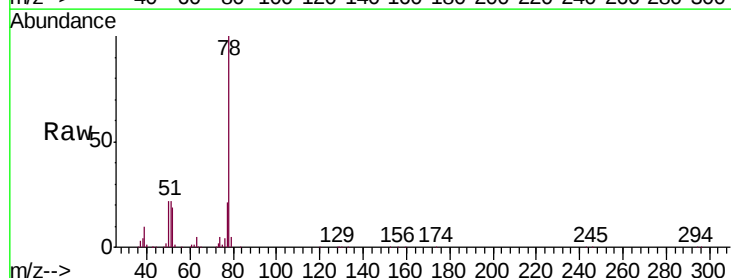
Tgt Ion: 78 Resp: 431500

Ion Ratio Lower Upper

78 100

77 20.6 19.5 29.3

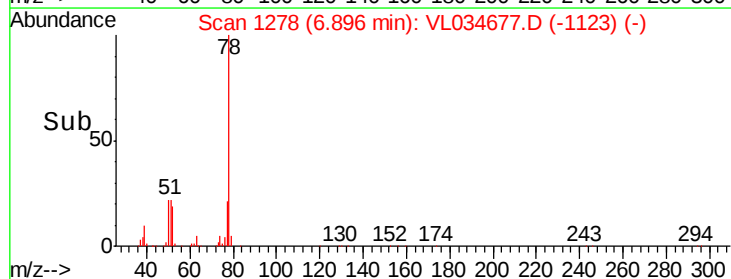
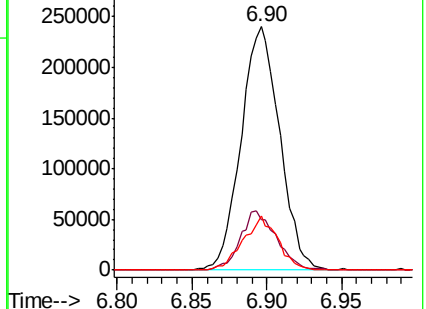
50 22.4 14.6 21.8#

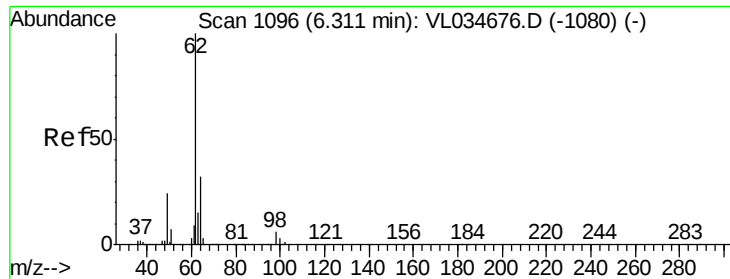


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

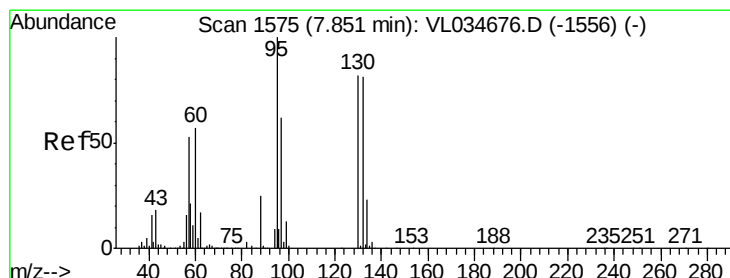
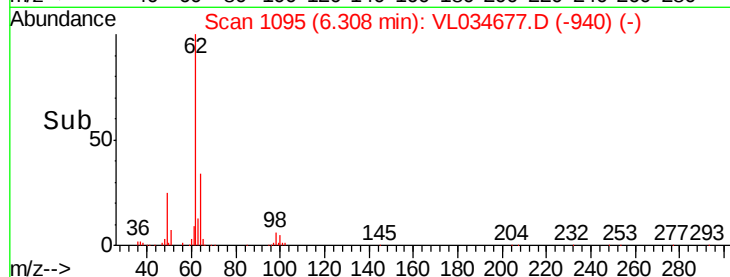
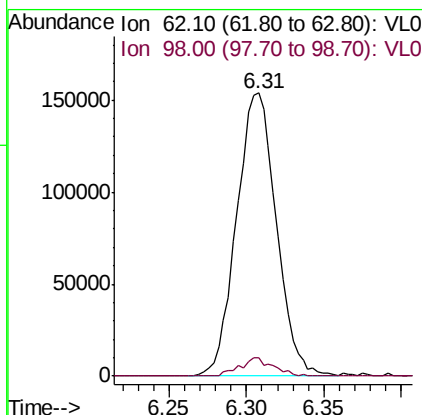
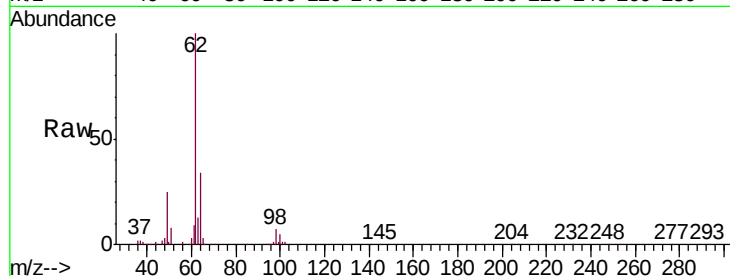




#37
 1,2-Dichloroethane
 Concen: 1.865 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

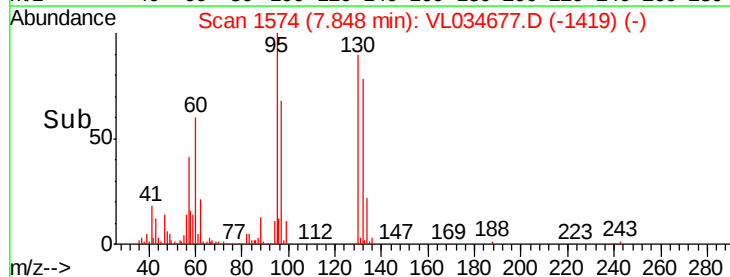
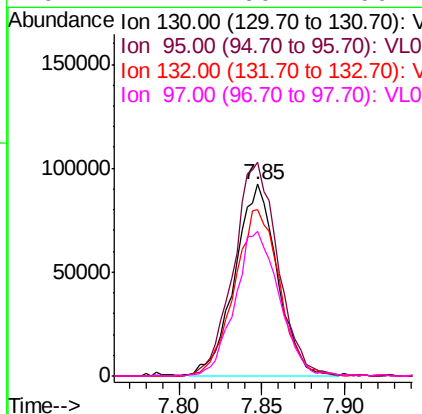
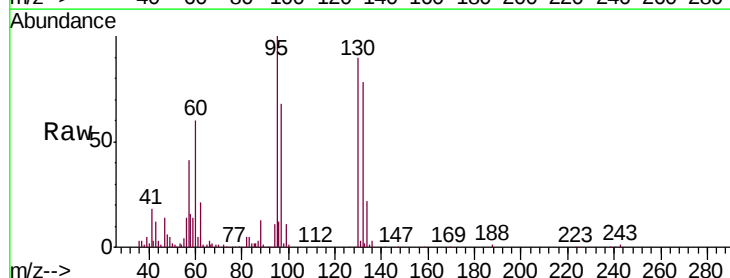
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

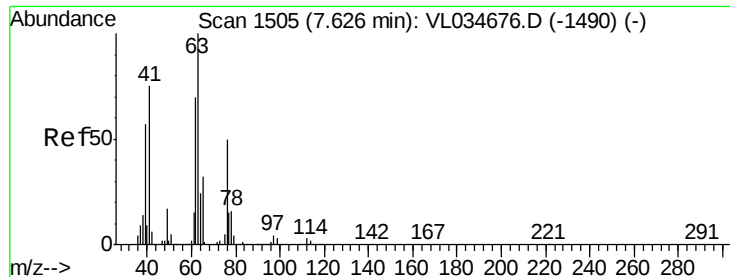
Tgt Ion: 62 Resp: 275115
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.7 7.1



#38
 Trichloroethene
 Concen: 1.929 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion: 130 Resp: 165035
 Ion Ratio Lower Upper
 130 100
 95 107.2 97.1 145.7
 132 83.2 78.3 117.5
 97 72.4 60.1 90.1

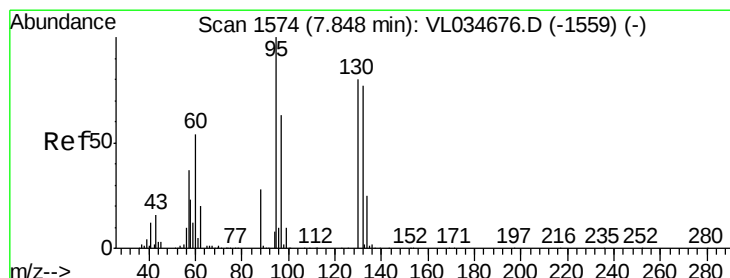
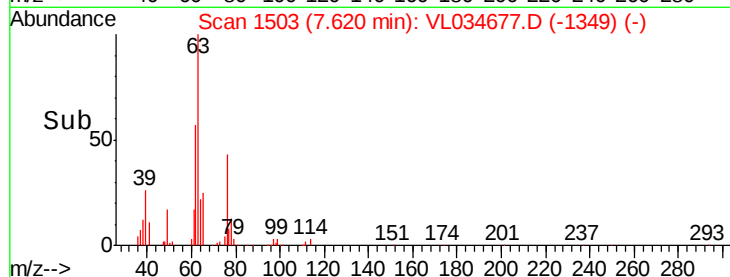
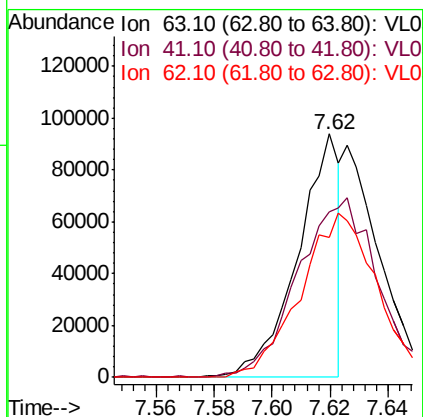
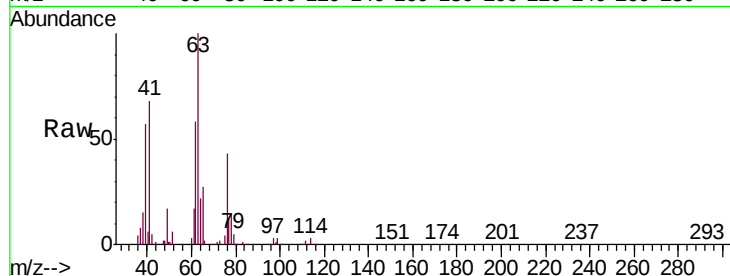




#39
 1,2-Dichloropropane
 Concen: 1.015 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

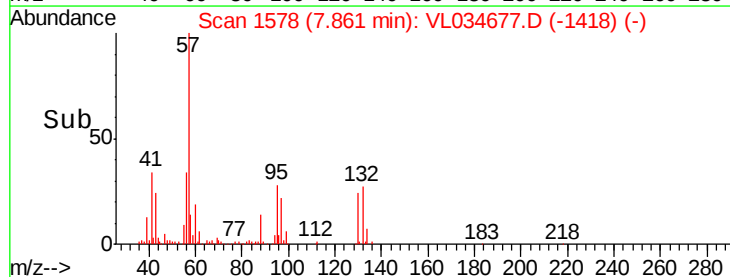
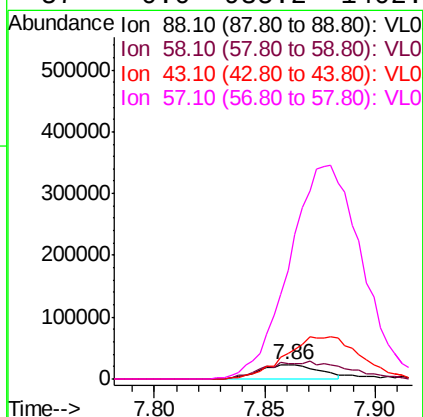
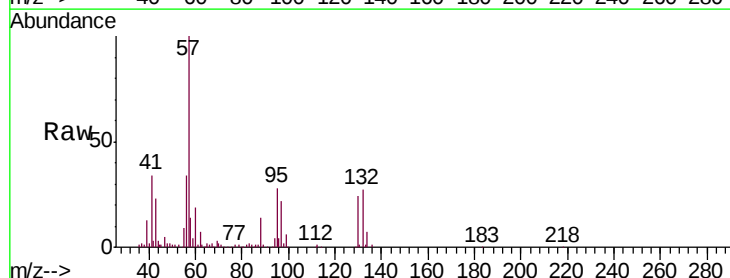
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

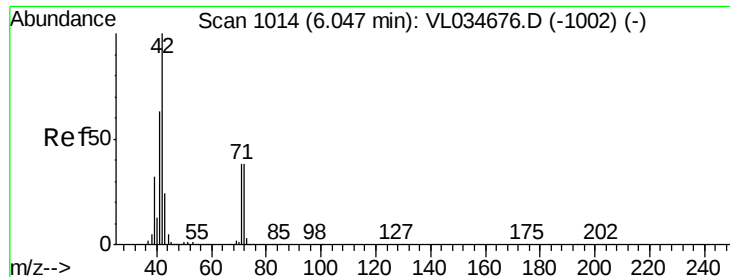
Tgt Ion	Ratio	Lower	Upper
63	100		
41	67.6	60.2	90.4
62	57.7	56.3	84.5



#40
 1,4-Dioxane
 Concen: 1.272 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	174.2	104.6	156.8#
43	0.0	212.9	319.3#
57	0.0	935.2	1402.8#

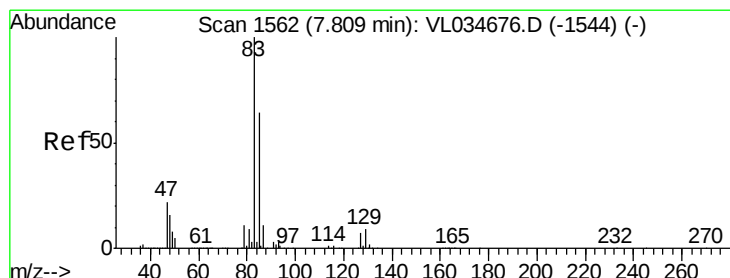
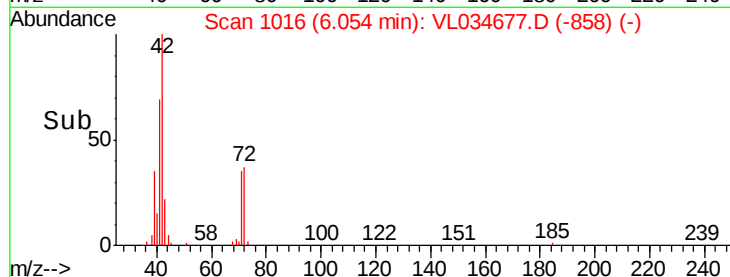
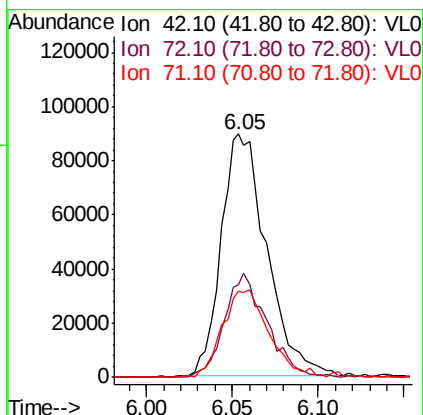
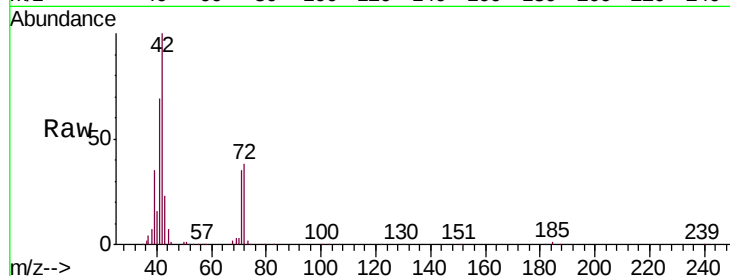




#41
Tetrahydrofuran
Concen: 1.851 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

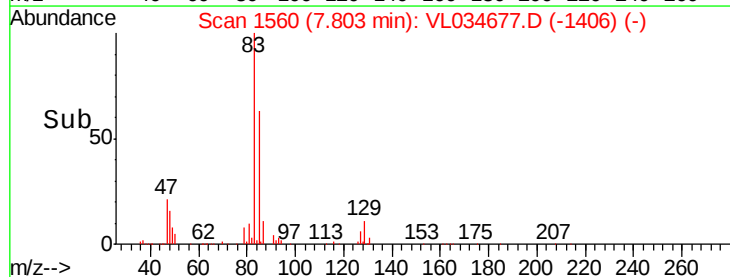
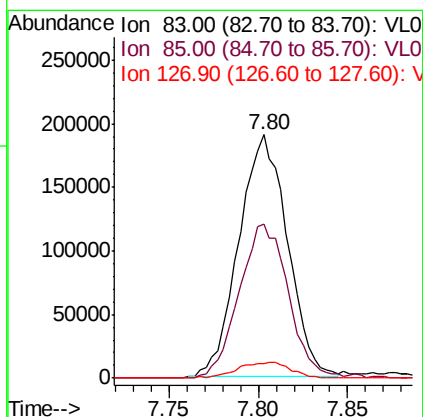
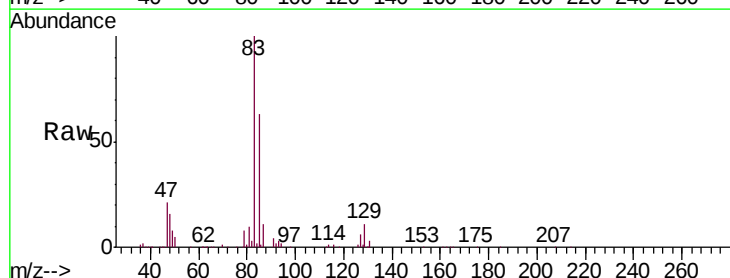
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

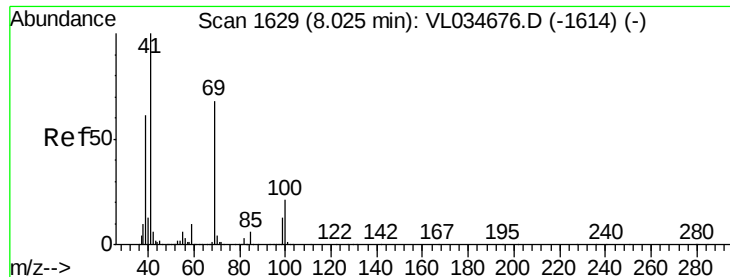
Tgt Ion: 42 Resp: 164339
Ion Ratio Lower Upper
42 100
72 40.2 31.7 47.5
71 37.6 30.7 46.1



#42
Bromodichloromethane
Concen: 1.887 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion: 83 Resp: 361085
Ion Ratio Lower Upper
83 100
85 63.5 51.1 76.7
127 6.2 5.8 8.8

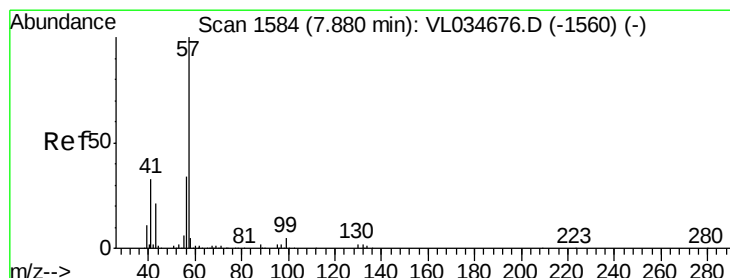
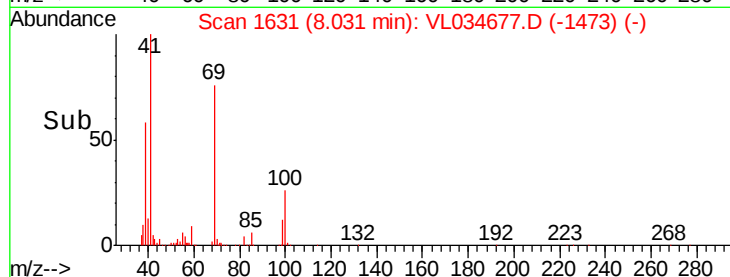
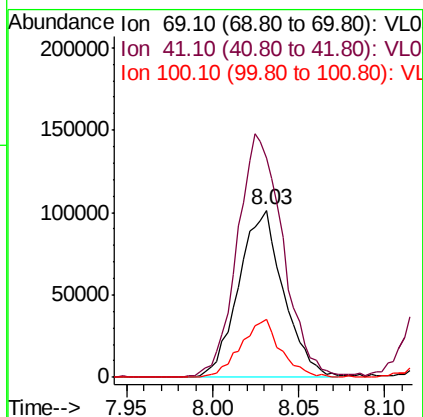
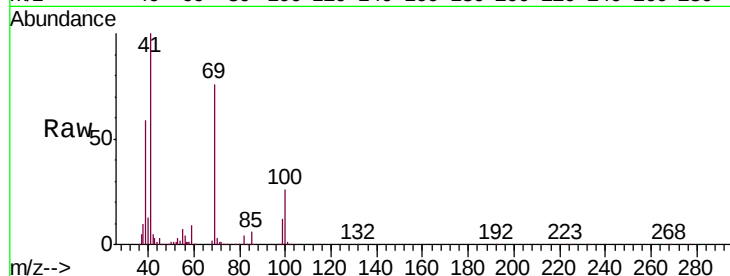




#43
Methyl Methacrylate
Concen: 2.088 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

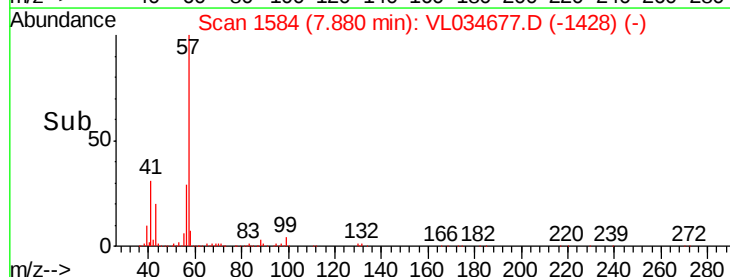
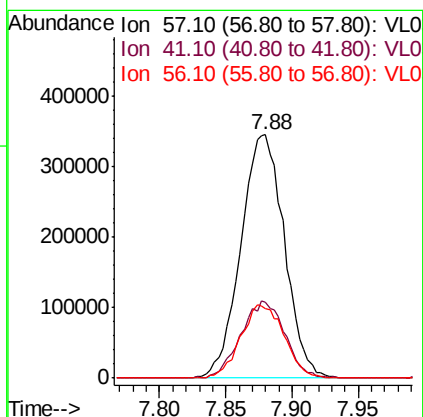
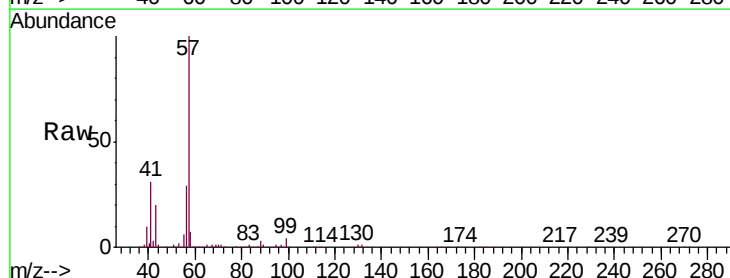
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

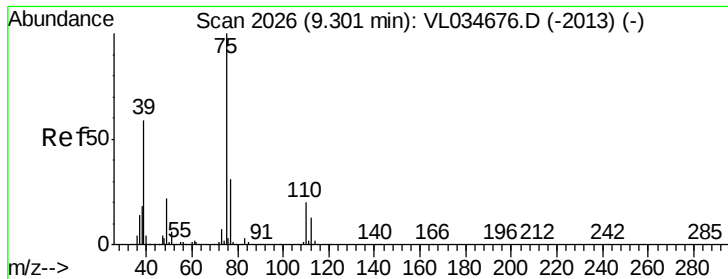
Tgt Ion: 69 Resp: 184465
Ion Ratio Lower Upper
69 100
41 148.9 118.2 177.2
100 31.1 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 1.939 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion: 57 Resp: 785592
Ion Ratio Lower Upper
57 100
41 32.3 26.0 39.0
56 30.2 25.6 38.4

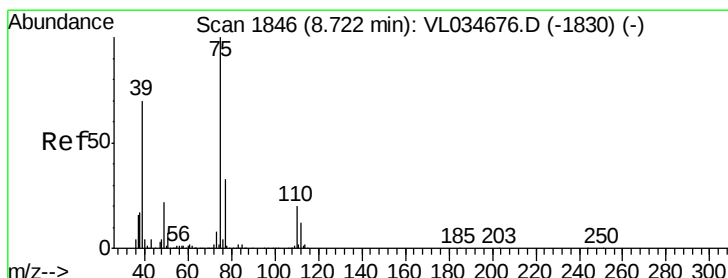
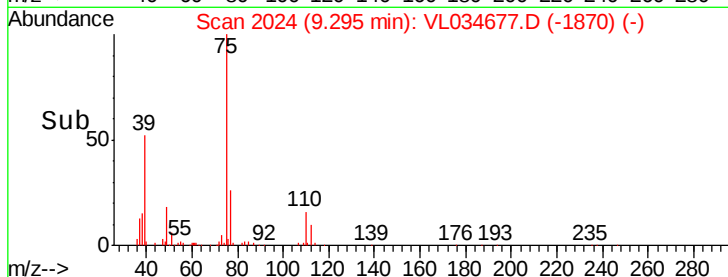
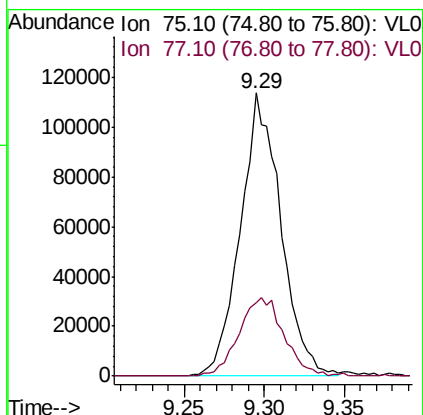
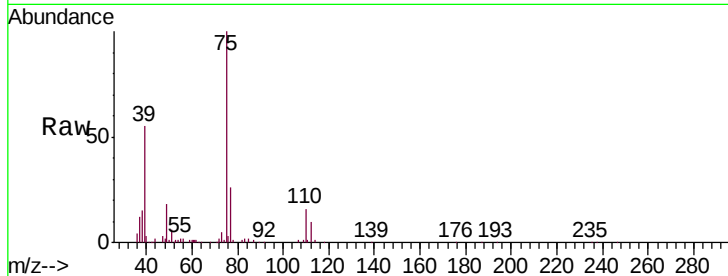




#45
t-1,3-Dichloropropene
Concen: 1.893 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

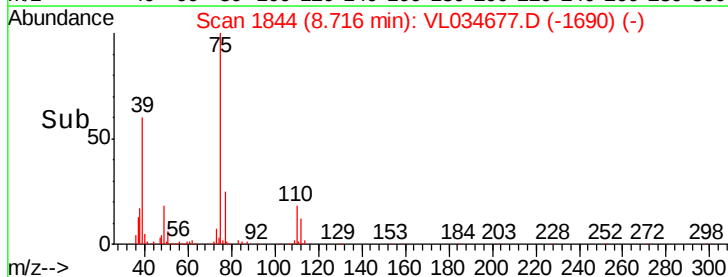
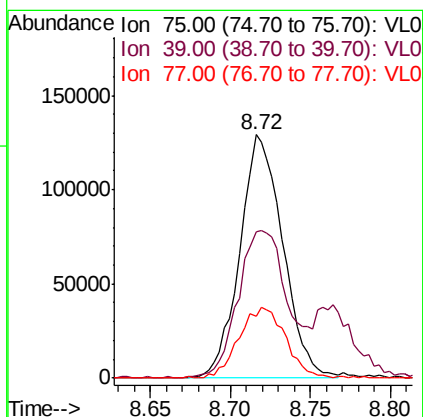
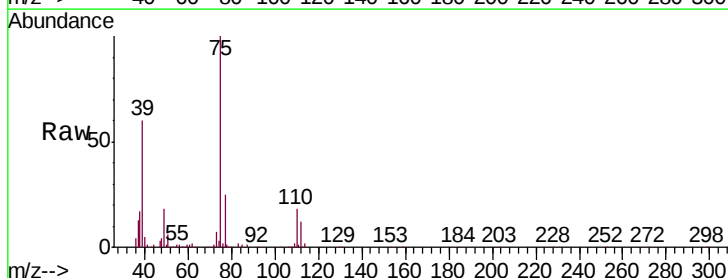
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

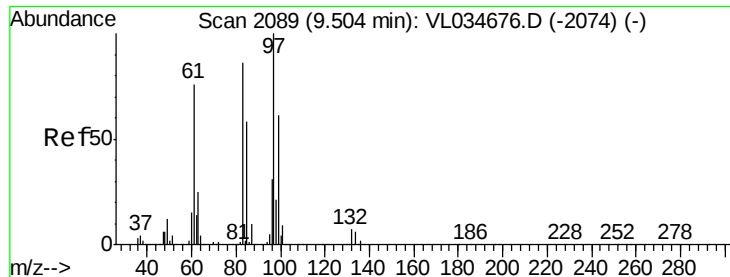
Tgt Ion: 75 Resp: 195731
Ion Ratio Lower Upper
75 100
77 26.0 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 1.959 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion: 75 Resp: 236979
Ion Ratio Lower Upper
75 100
39 59.2 55.7 83.5
77 25.0 26.3 39.5#

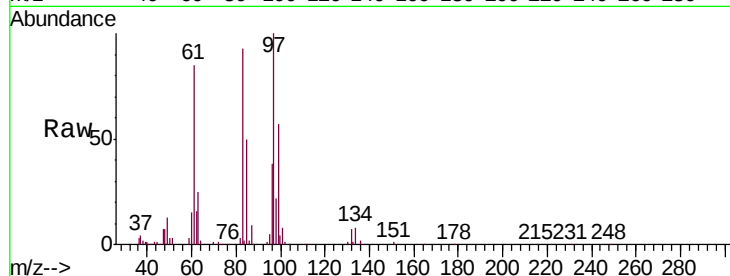




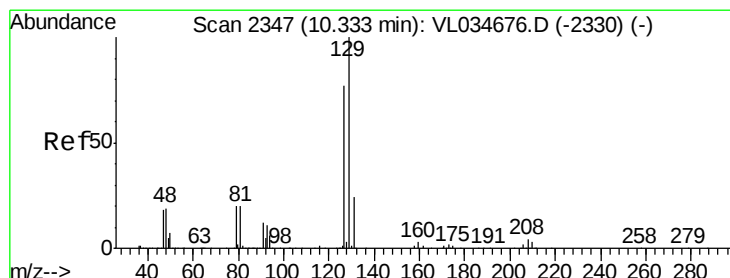
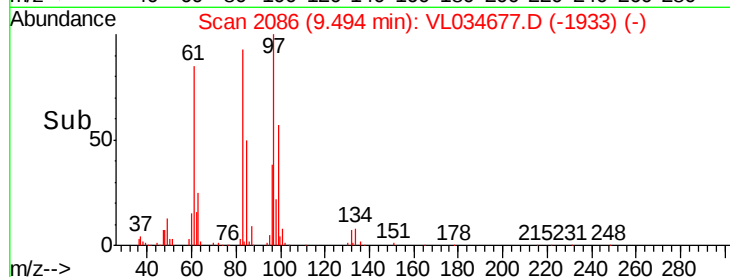
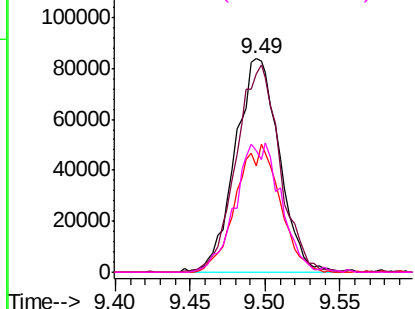
#47
 1,1,2-Trichloroethane
 Concen: 1.739 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 97 Resp: 170441
 Ion Ratio Lower Upper
 97 100
 83 92.8 69.4 104.0
 85 50.0 46.4 69.6
 99 57.3 48.4 72.6

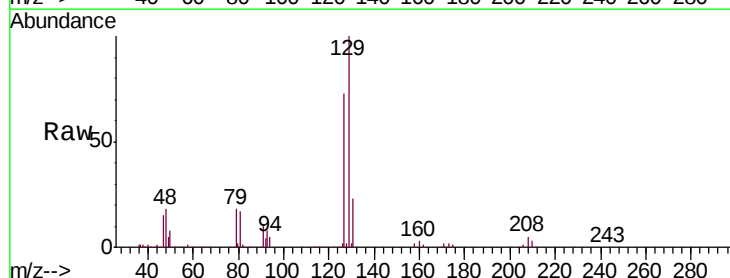


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

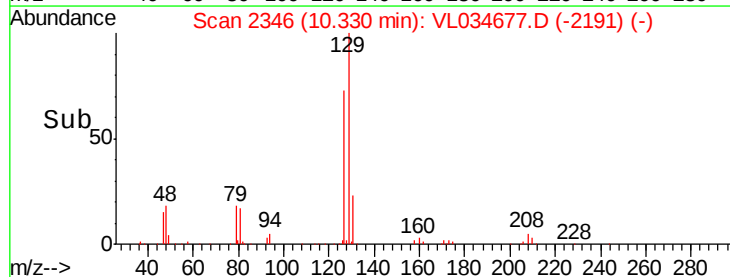
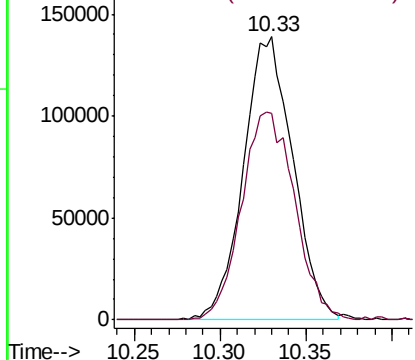


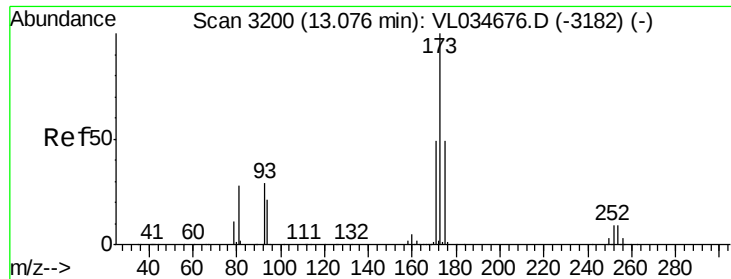
#48
 Dibromochloromethane
 Concen: 1.831 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion: 129 Resp: 275589
 Ion Ratio Lower Upper
 129 100
 127 79.8 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.878 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

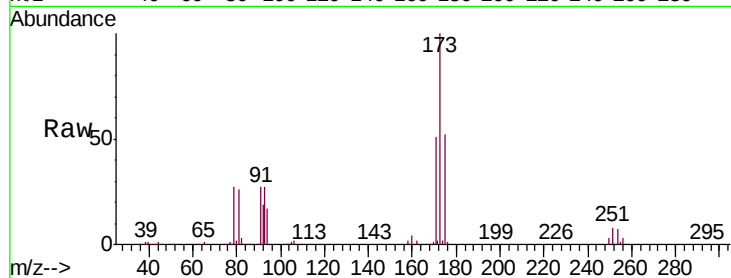
Tgt Ion: 173 Resp: 247147

Ion Ratio Lower Upper

173 100

175 48.1 38.6 58.0

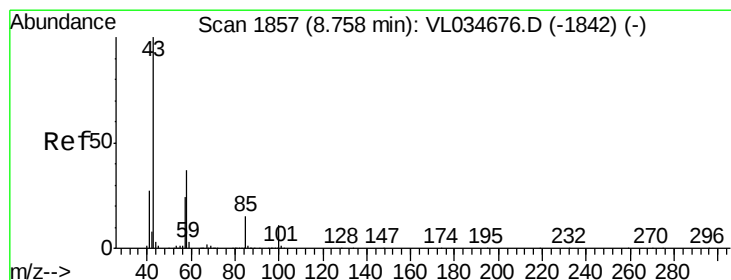
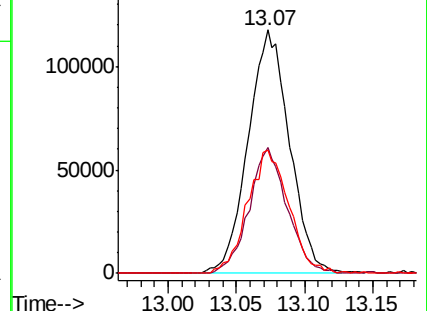
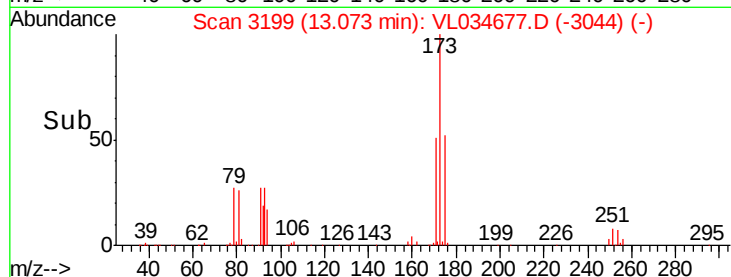
171 50.8 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.851 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL034677.D

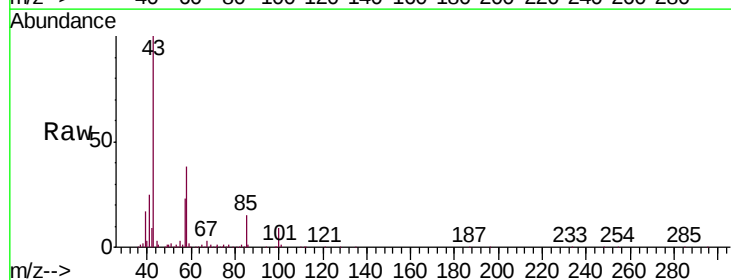
Acq: 26 Feb 2020 3:08

Tgt Ion: 43 Resp: 445921

Ion Ratio Lower Upper

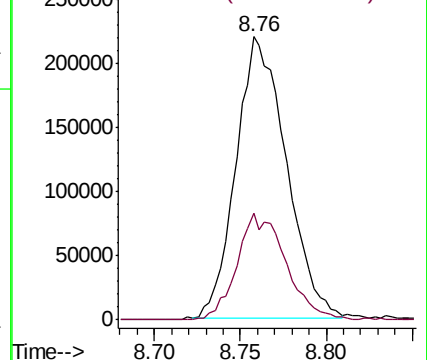
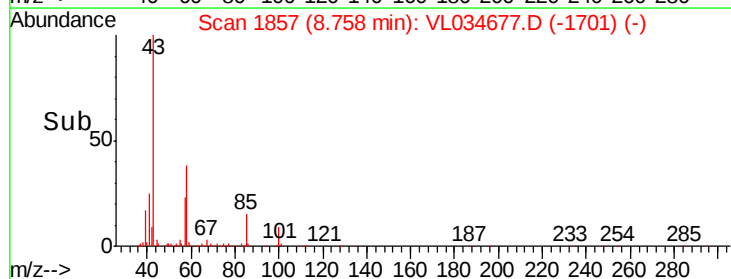
43 100

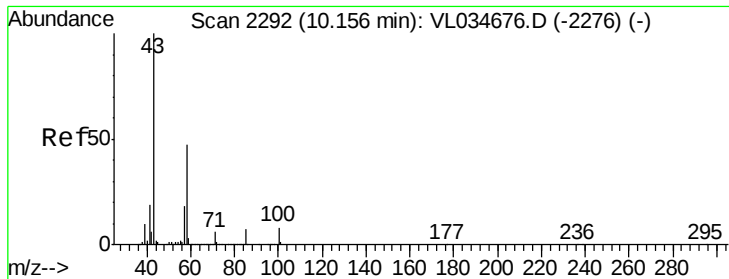
58 36.9 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

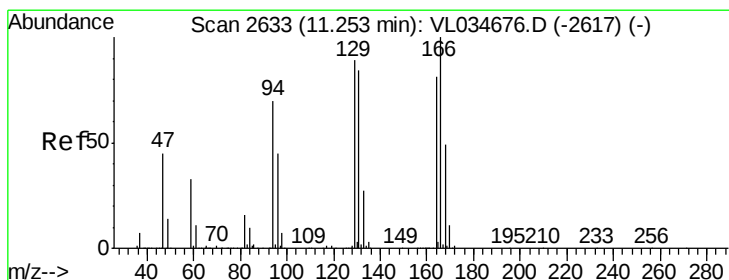
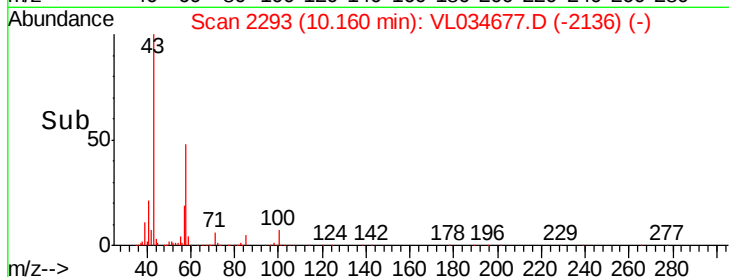
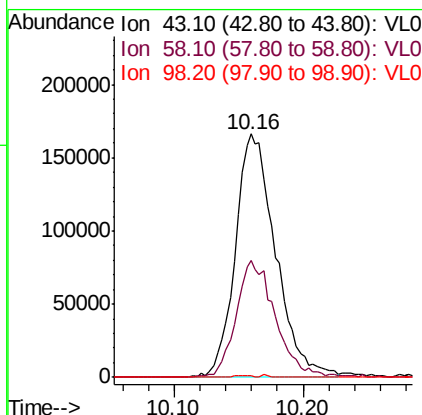
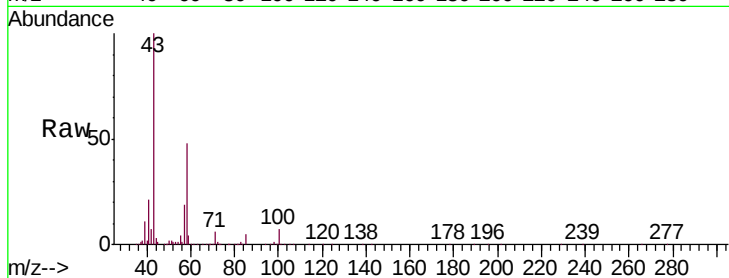




#51
2-Hexanone
Concen: 1.887 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

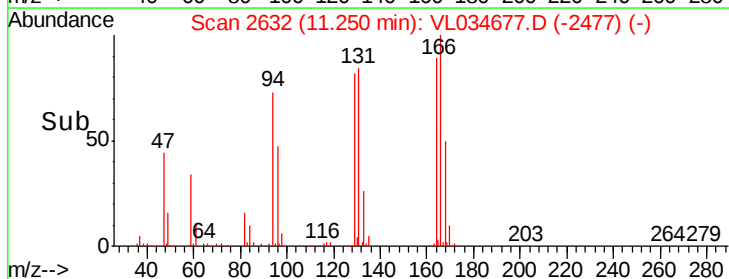
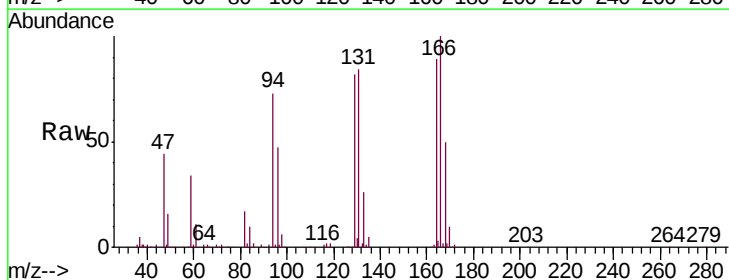
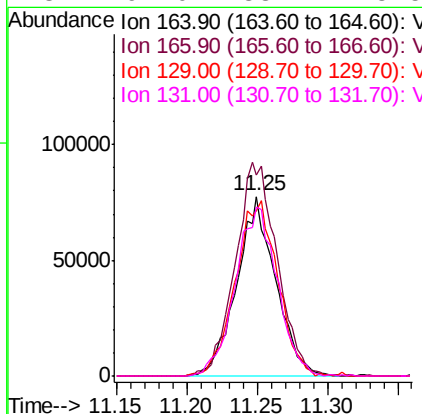
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

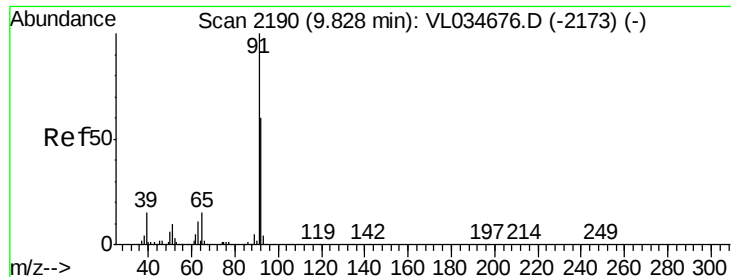
Tgt Ion: 43 Resp: 358602
Ion Ratio Lower Upper
43 100
58 47.1 39.4 59.0
98 0.7 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.874 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion: 164 Resp: 149019
Ion Ratio Lower Upper
164 100
166 111.9 99.2 148.8
129 91.4 88.0 132.0
131 94.0 83.7 125.5





#53

Toluene

Concen: 1.964 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

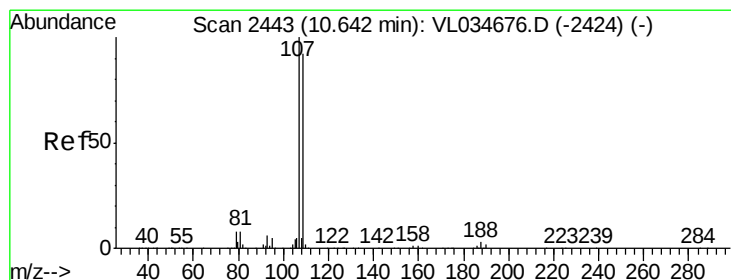
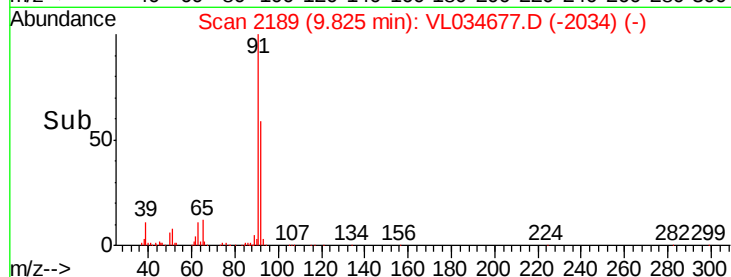
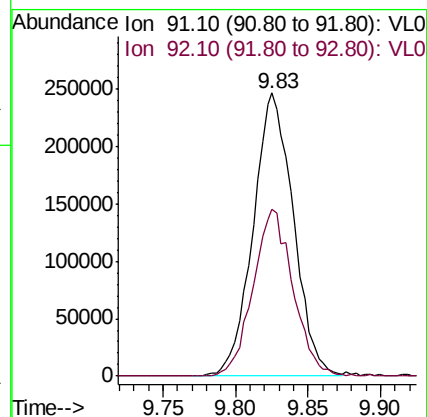
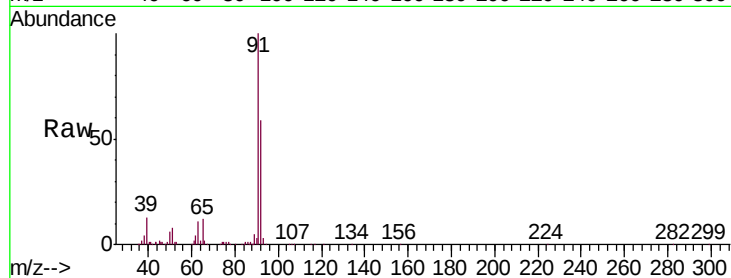
VSTDIC002

Tgt Ion: 91 Resp: 476009

Ion Ratio Lower Upper

91 100

92 58.7 48.5 72.7



#54

1,2-Dibromoethane

Concen: 1.967 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.01 min

Lab File: VL034677.D

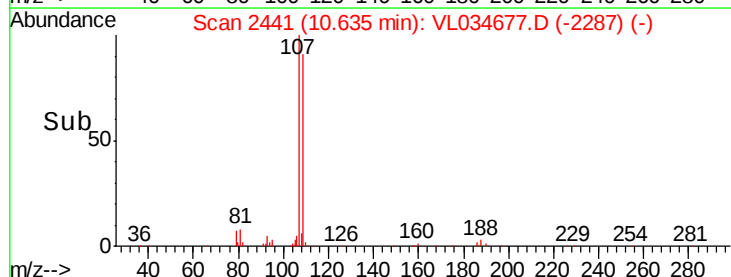
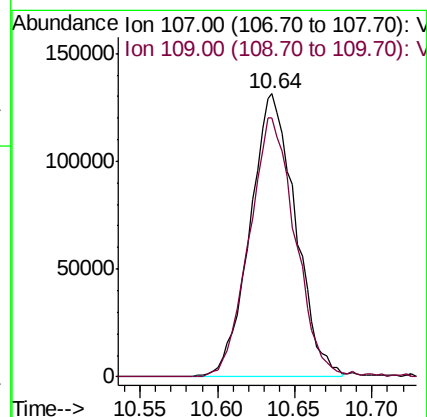
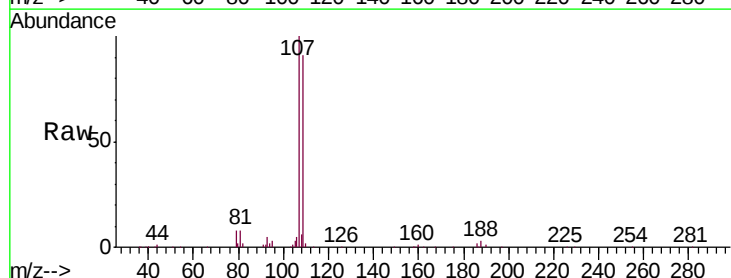
Acq: 26 Feb 2020 3:08

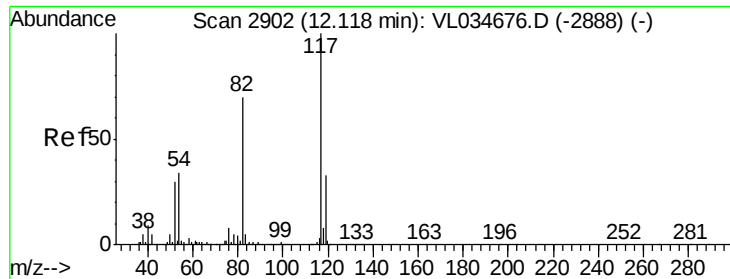
Tgt Ion: 107 Resp: 268494

Ion Ratio Lower Upper

107 100

109 91.2 73.9 110.9

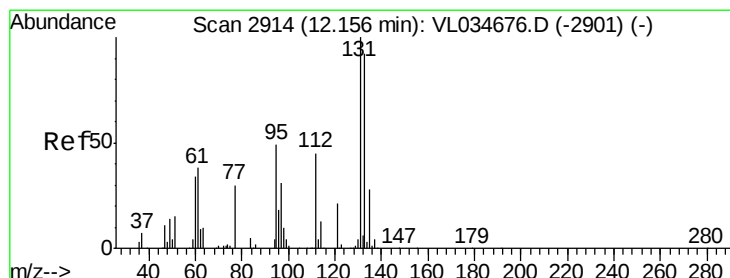
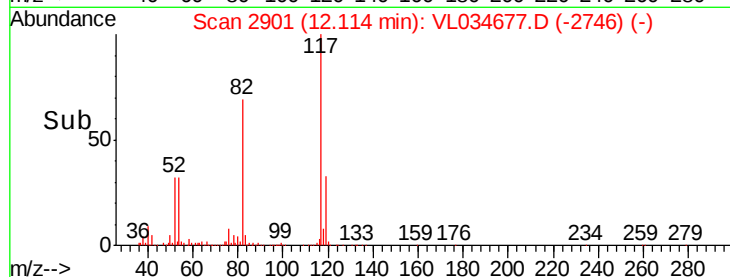
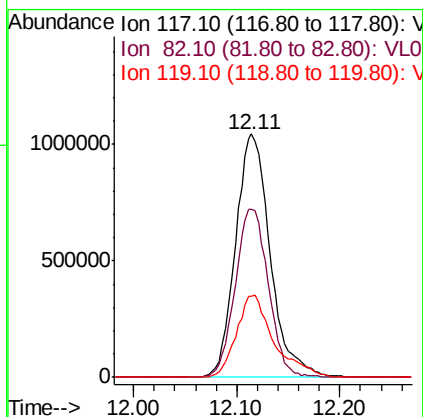
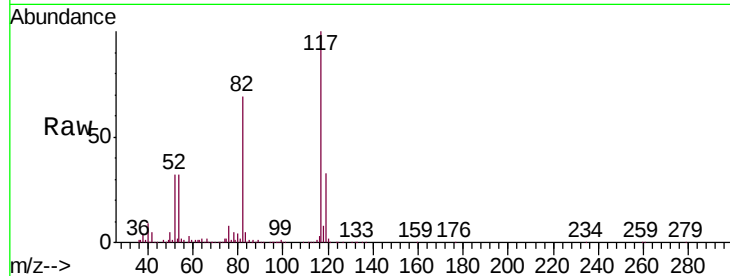




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

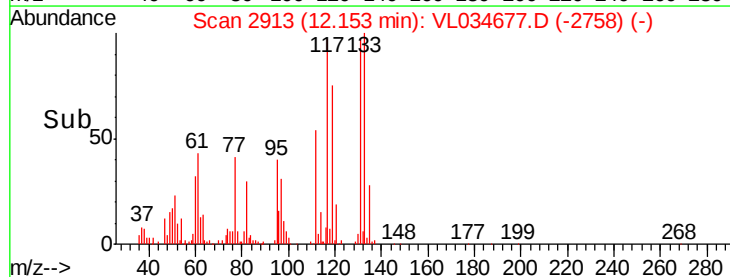
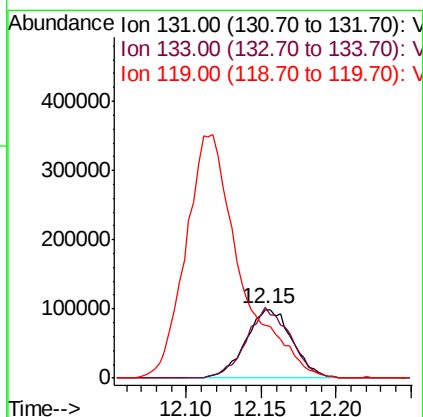
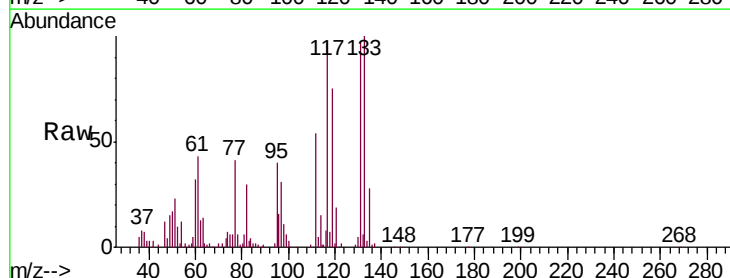
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

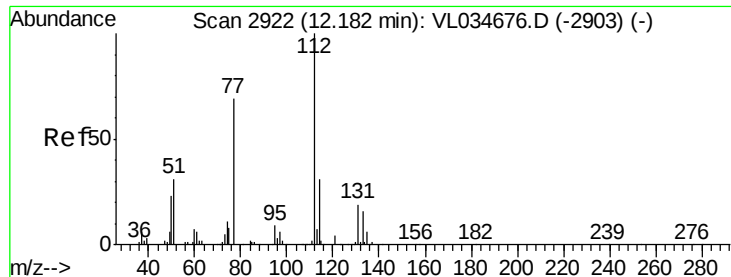
Tgt Ion:117 Resp: 2447989
Ion Ratio Lower Upper
117 100
82 66.6 54.1 81.1
119 36.5 27.6 41.4



#56
1,1,1,2-Tetrachloroethane
Concen: 2.009 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion:131 Resp: 215023
Ion Ratio Lower Upper
131 100
133 98.2 76.6 114.8
119 416.2 51.3 76.9#

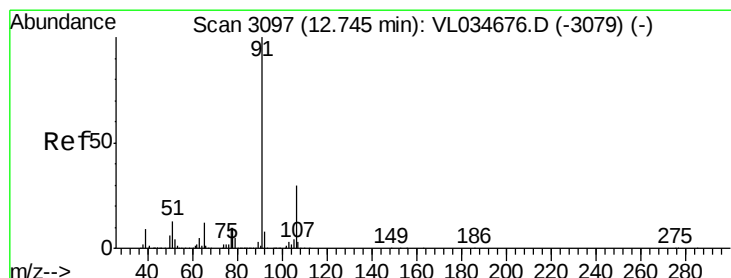
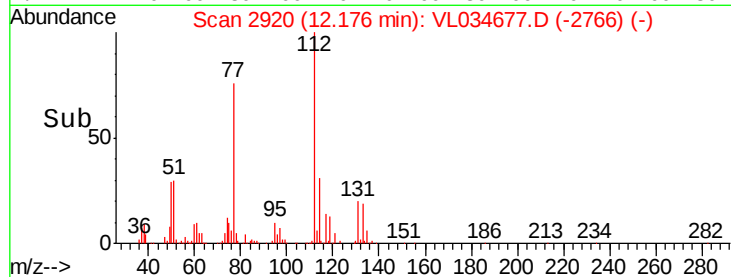
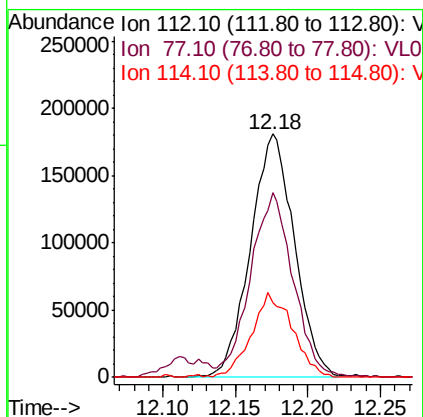
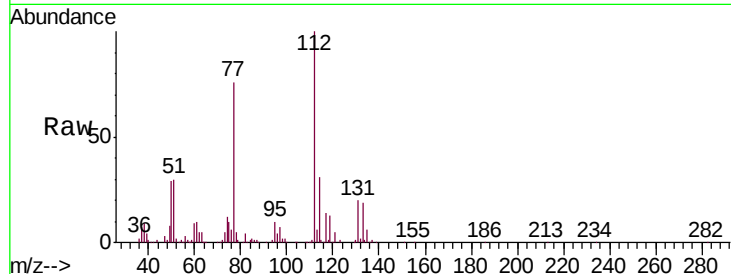




#57
Chlorobenzene
Concen: 1.887 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

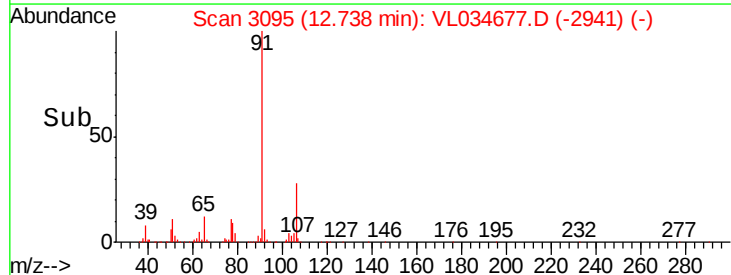
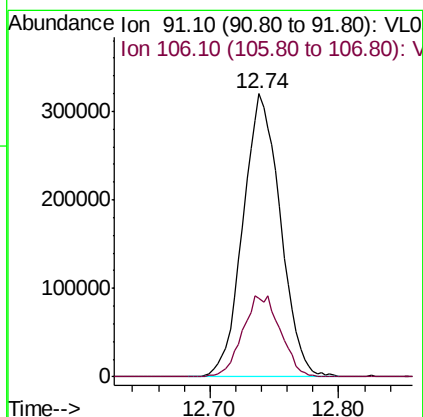
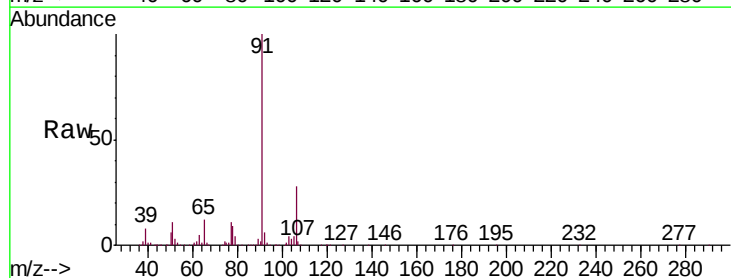
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

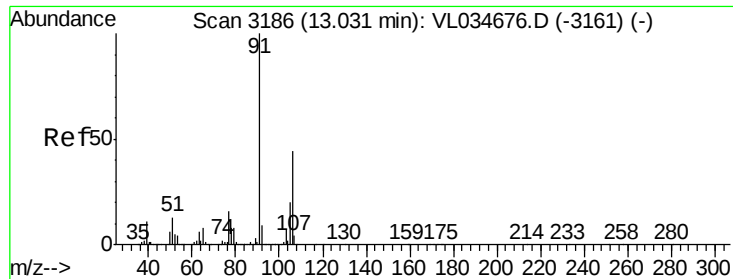
Tgt Ion	Ratio	Lower	Upper
112	100		
77	74.9	56.5	84.7
114	30.7	28.1	34.3



#58
Ethyl Benzene
Concen: 1.980 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.01 min
Lab File: VL034677.D
Acq: 26 Feb 2020 3:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.6	24.0	36.0





#59

m/p-Xylene

Concen: 2.018 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

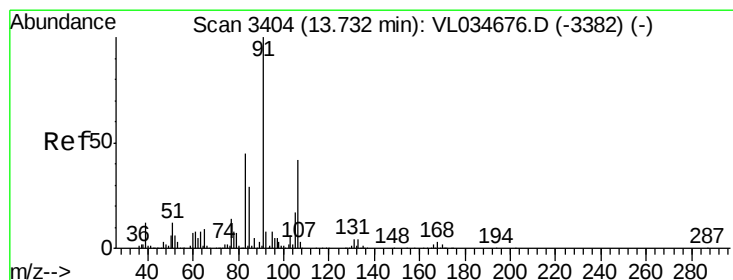
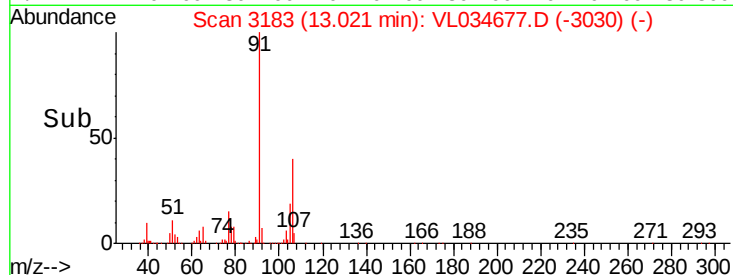
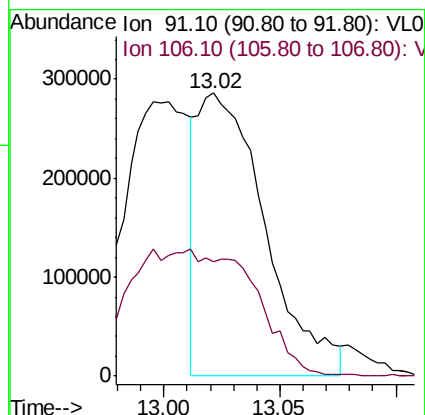
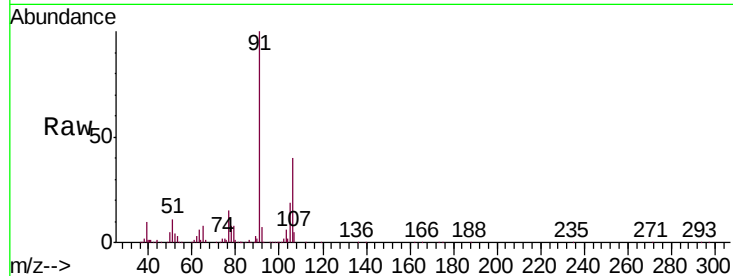
VSTDIC002

Tgt Ion: 91 Resp: 576580

Ion Ratio Lower Upper

91 100

106 85.2 35.6 53.4#



#60

o-Xylene

Concen: 1.965 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.01 min

Lab File: VL034677.D

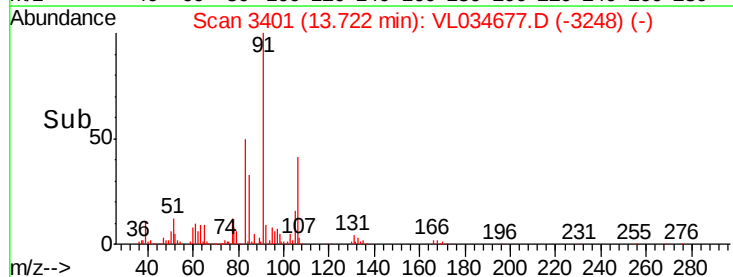
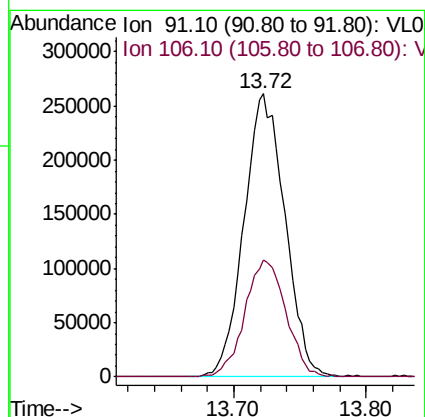
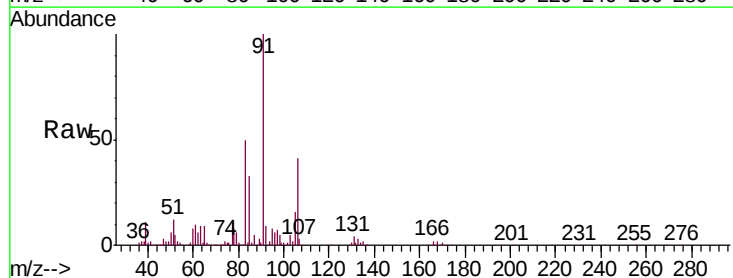
Acq: 26 Feb 2020 3:08

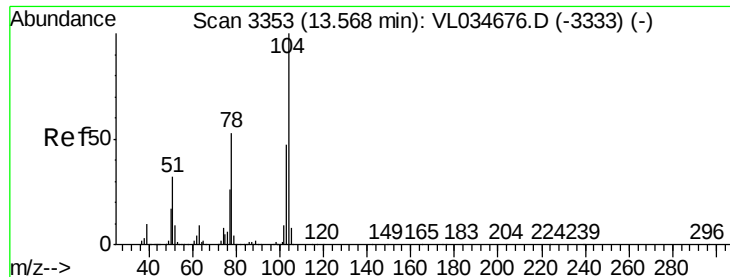
Tgt Ion: 91 Resp: 560756

Ion Ratio Lower Upper

91 100

106 41.6 21.9 65.5





#61

Styrene

Concen: 1.870 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

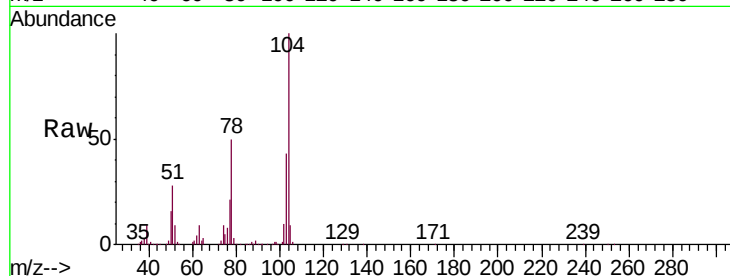
Tgt Ion:104 Resp: 364608

Ion Ratio Lower Upper

104 100

78 55.0 44.2 66.4

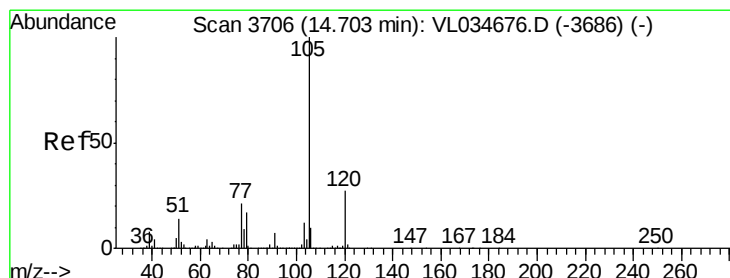
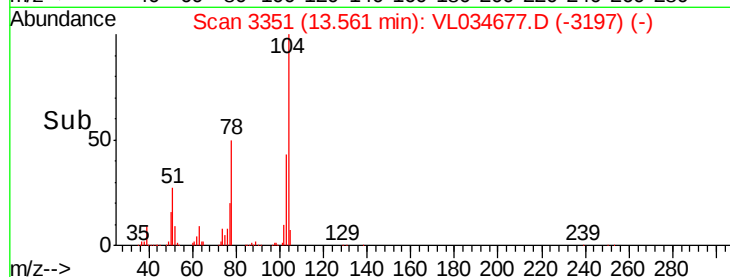
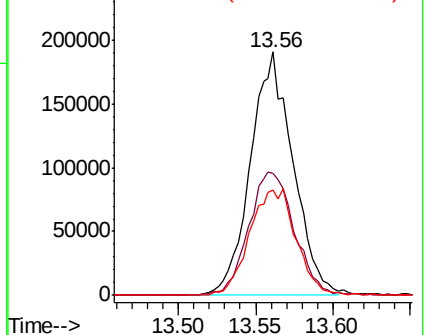
103 47.6 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.180 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.00 min

Lab File: VL034677.D

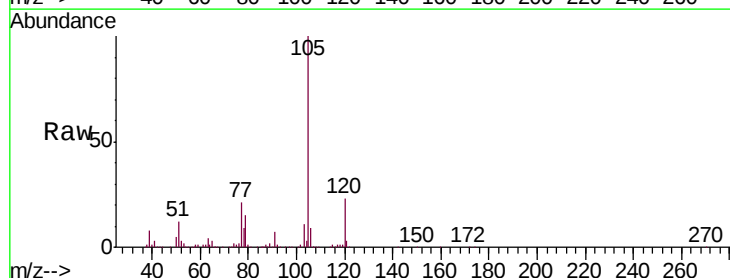
Acq: 26 Feb 2020 3:08

Tgt Ion:105 Resp: 824189

Ion Ratio Lower Upper

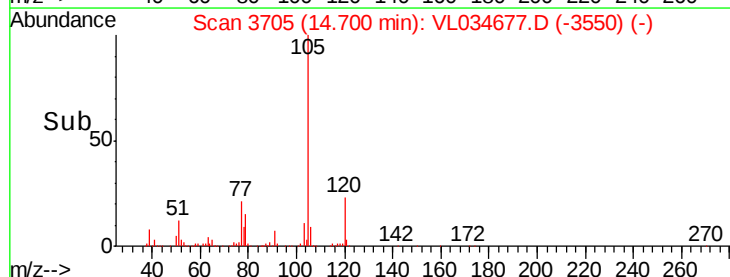
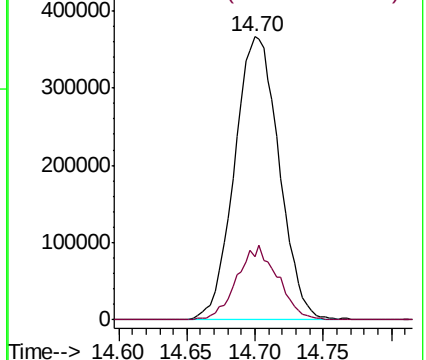
105 100

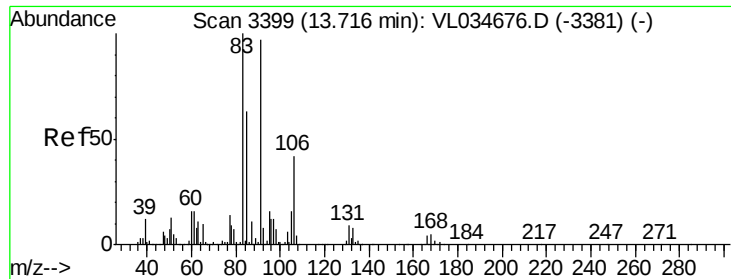
120 24.4 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

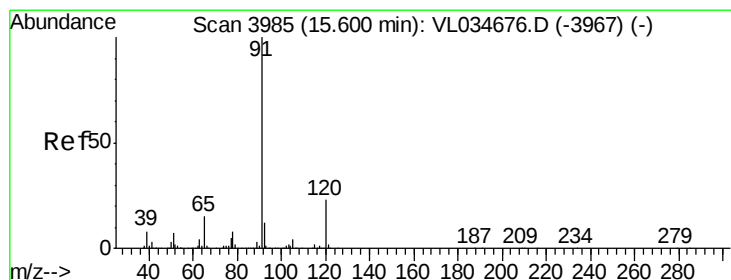
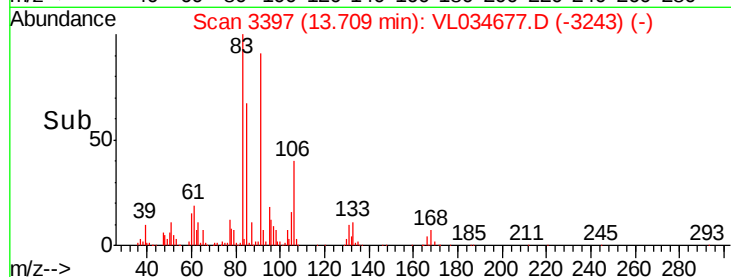
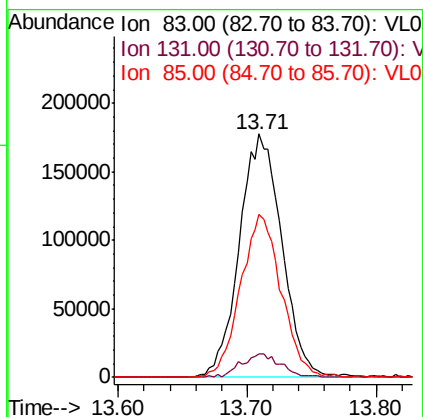
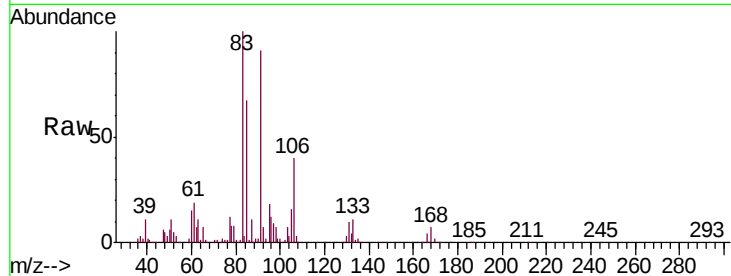




#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.794 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

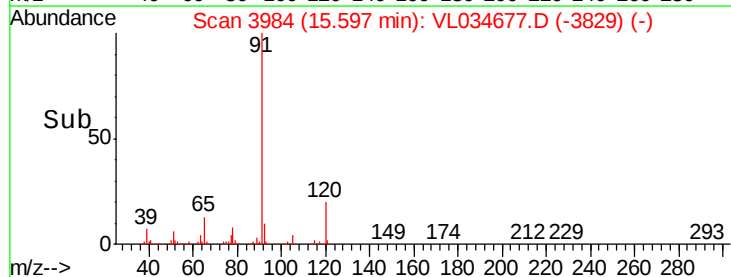
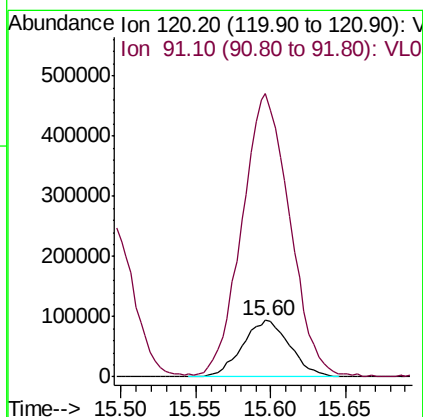
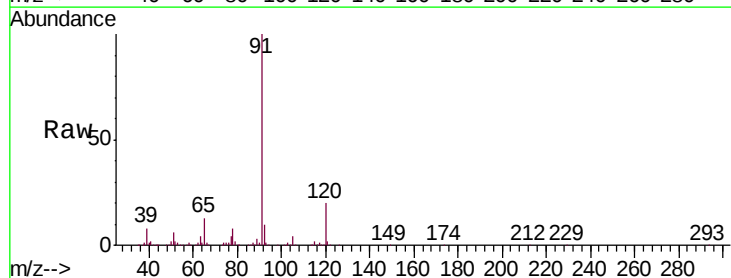
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

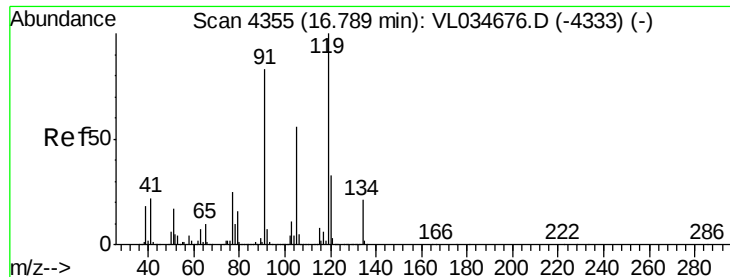
Tgt Ion: 83 Resp: 406574
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.4 13.2
 85 64.2 32.5 97.5



#64
 n-propylbenzene
 Concen: 2.163 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion: 120 Resp: 207577
 Ion Ratio Lower Upper
 120 100
 91 508.1 369.8 554.8





#65

tert-Butylbenzene

Concen: 2.243 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

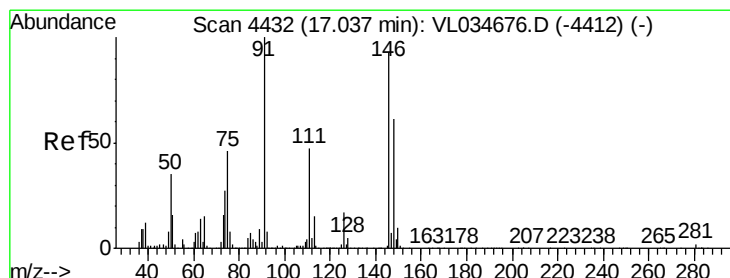
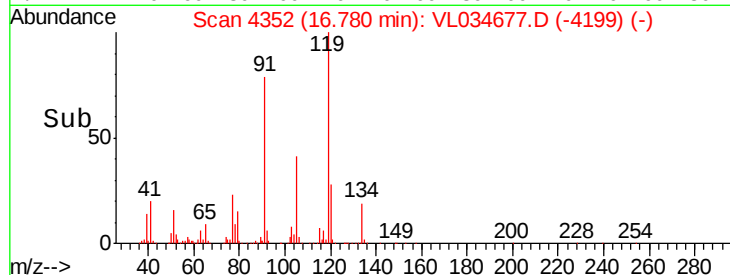
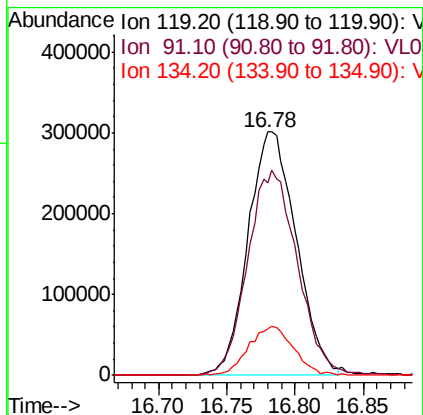
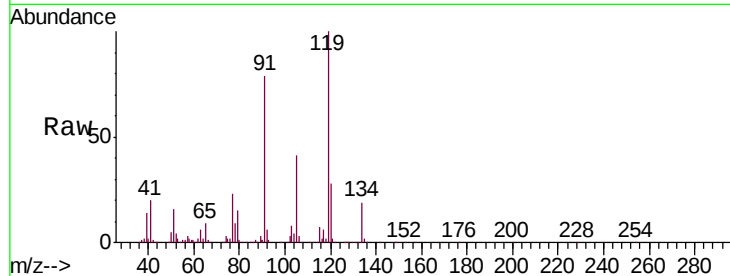
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:	119	Resp:	739539
Ion	Ratio	Lower	Upper
119	100		
91	86.9	69.1	103.7
134	19.0	15.8	23.8



#66

Benzyl Chloride

Concen: 1.078 ppbv

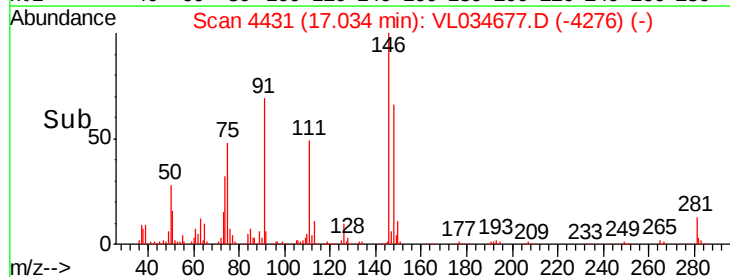
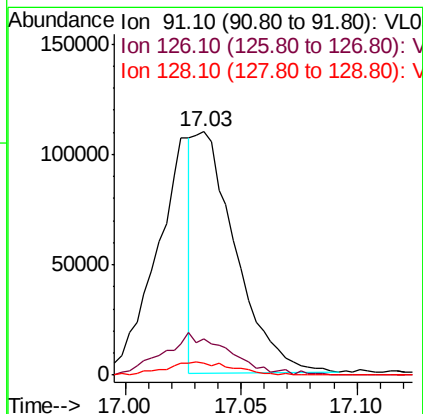
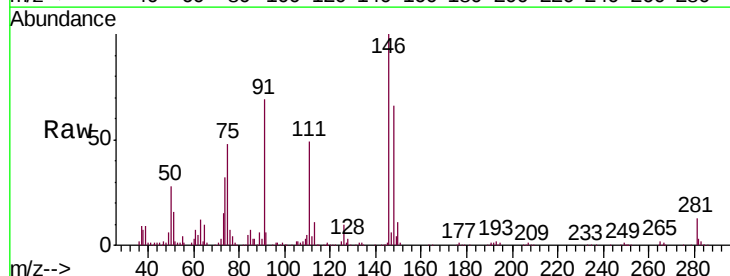
RT: 17.03 min Scan# 4431

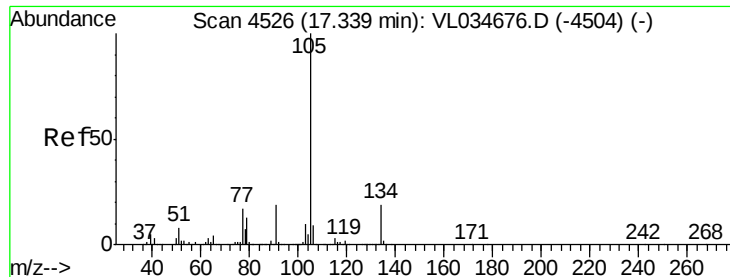
Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Tgt Ion:	91	Resp:	137207
Ion	Ratio	Lower	Upper
91	100		
126	28.0	13.5	20.3#
128	9.2	4.2	6.4#





#67

sec-Butylbenzene

Concen: 1.343 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

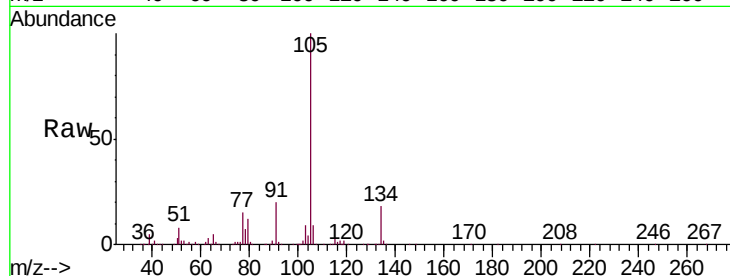
VSTDIC002

Tgt Ion: 105 Resp: 632503

Ion Ratio Lower Upper

105 100

134 30.5 14.8 22.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

400000

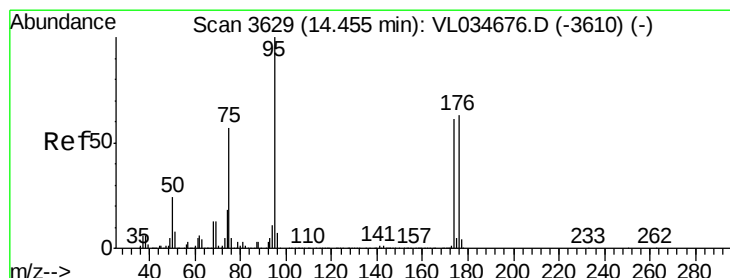
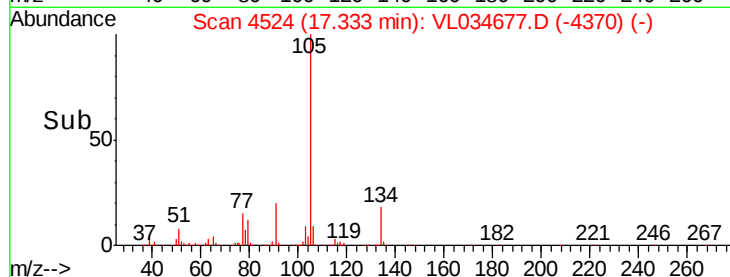
300000

200000

100000

0

Time--> 17.25 17.30 17.35



#68

1-Bromo-4-Fluorobenzene

Concen: 9.809 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

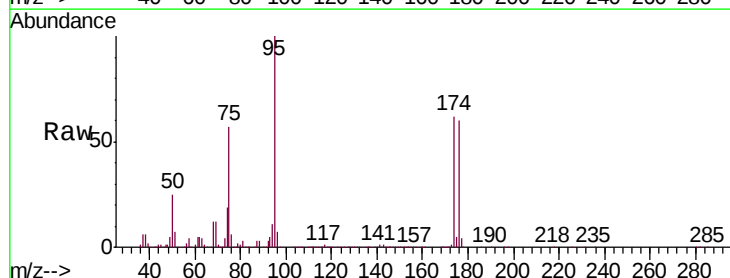
Tgt Ion: 95 Resp: 1970992

Ion Ratio Lower Upper

95 100

174 63.0 50.7 76.1

175 4.6 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

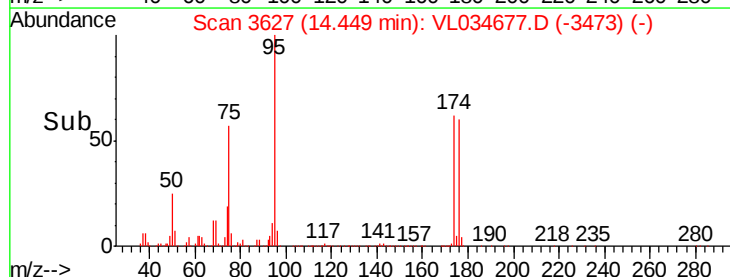
600000

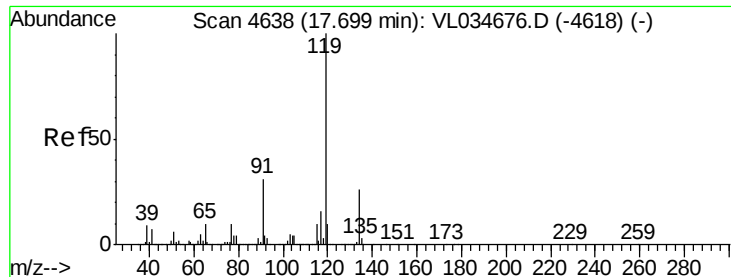
400000

200000

0

Time--> 14.40 14.50

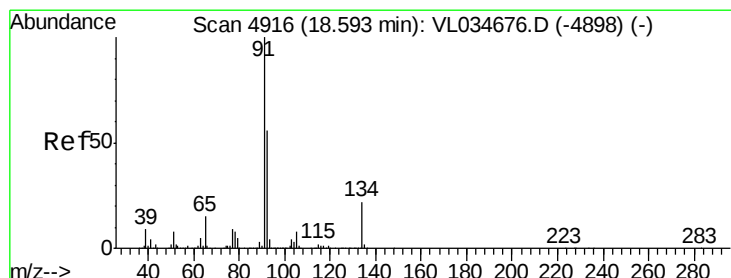
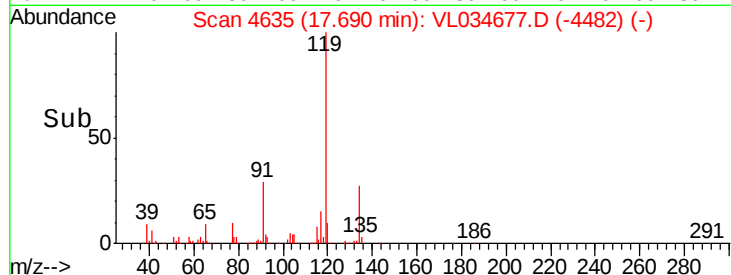
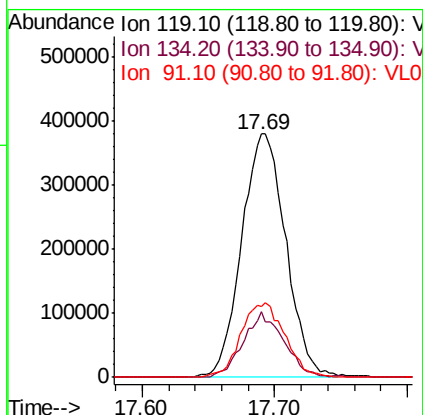
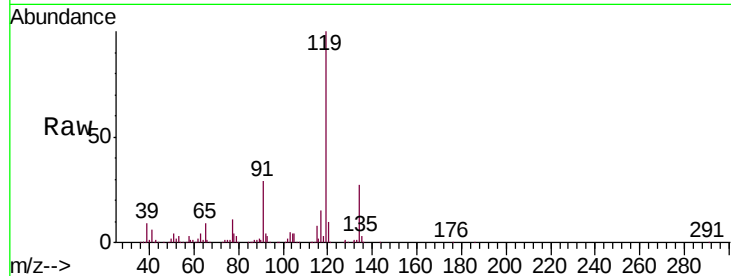




#69
 p-Isopropyltoluene
 Concen: 2.344 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

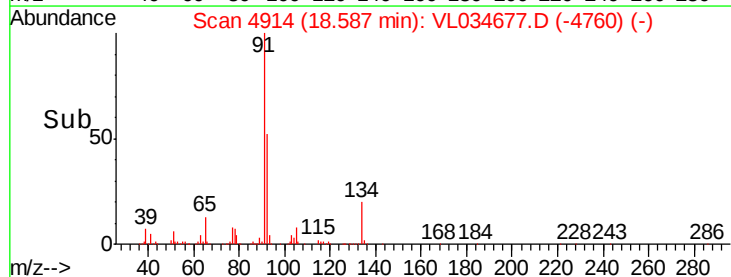
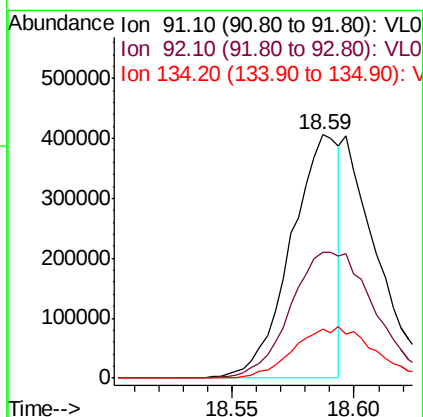
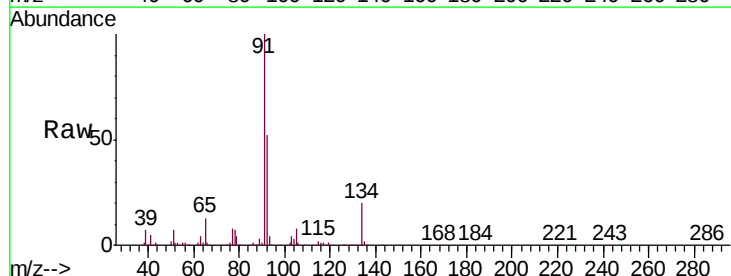
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

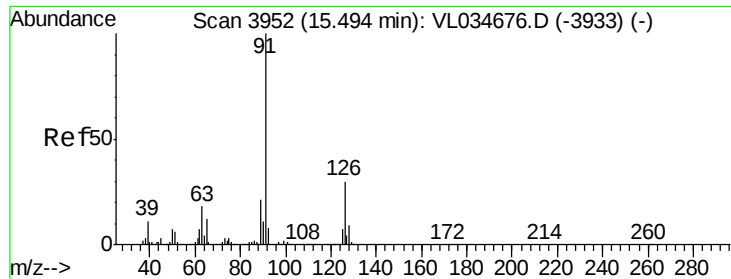
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	31.0
91	30.9	25.3	37.9



#70
 n-Butylbenzene
 Concen: 1.379 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	91.6	43.8	65.6#
134	0.0	17.6	26.4#





#71

2-Chlorotoluene

Concen: 2.183 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

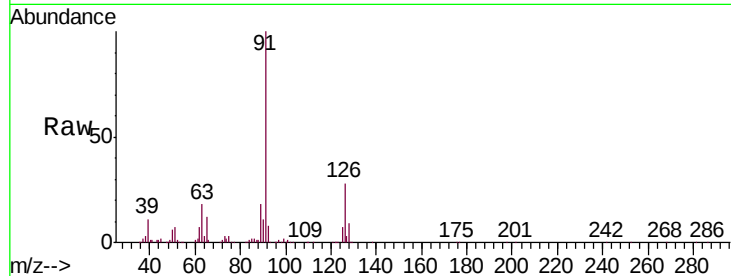
VSTDIC002

Tgt Ion: 91 Resp: 632741

Ion Ratio Lower Upper

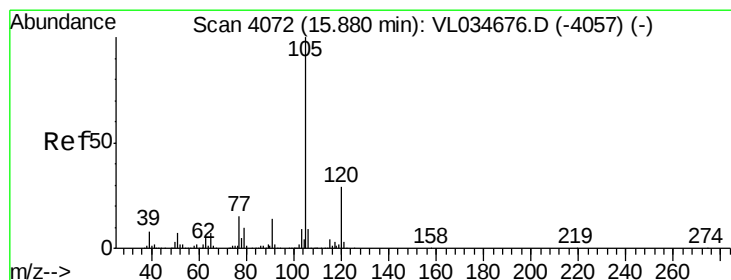
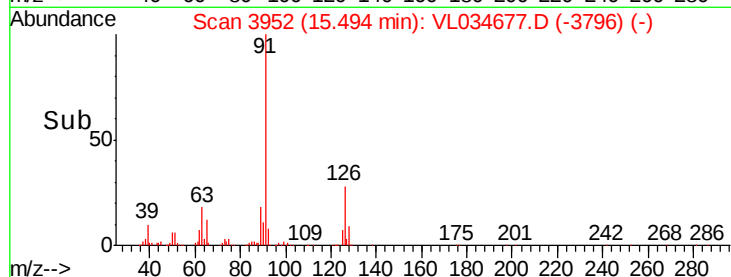
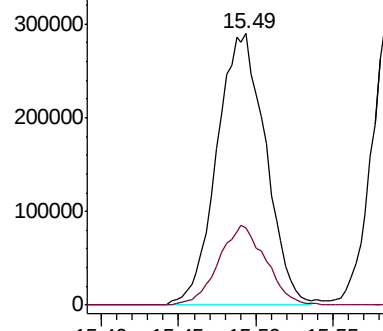
91 100

126 28.6 11.8 47.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.033 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Tgt Ion: 105 Resp: 640554

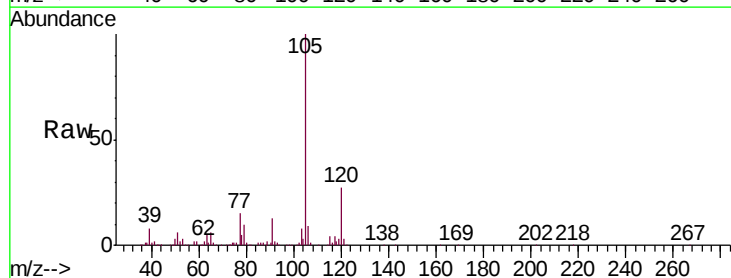
Ion Ratio Lower Upper

105 100

120 28.0 23.7 35.5

91 14.7 10.9 16.3

77 14.7 12.2 18.2

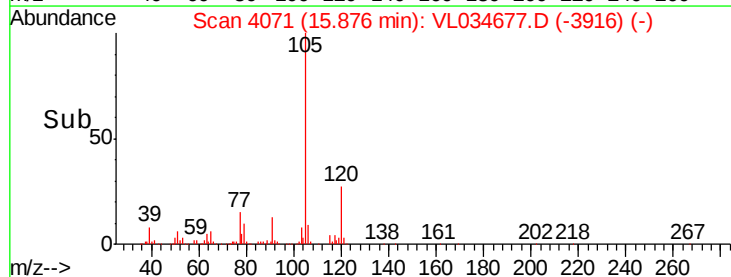
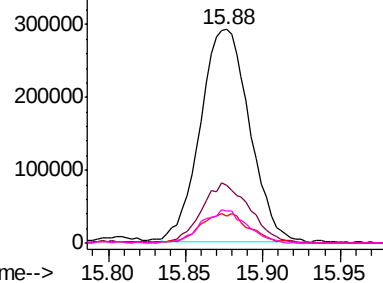


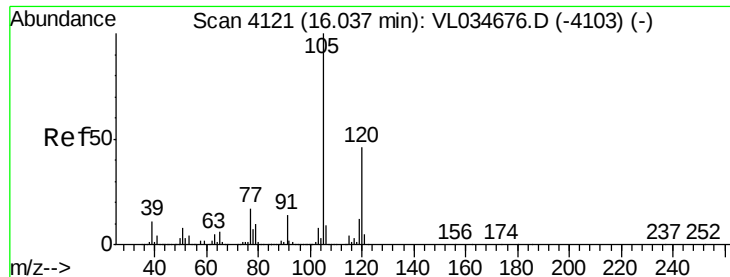
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

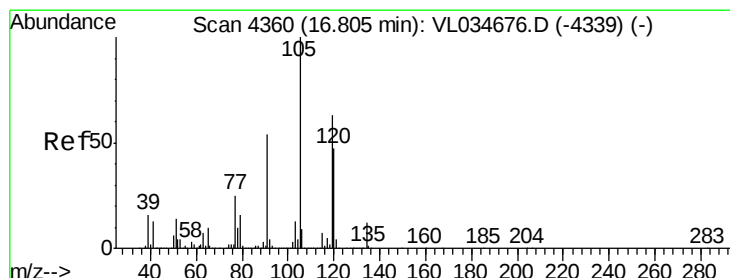
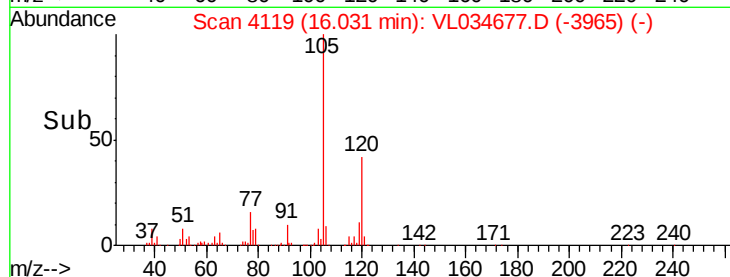
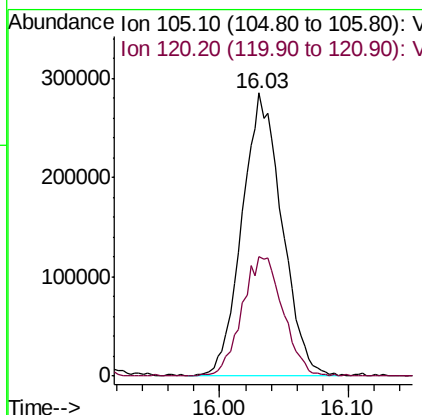
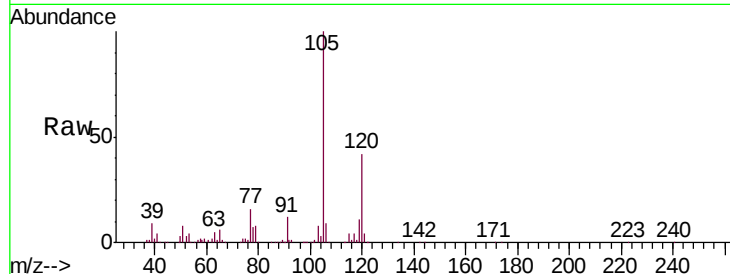




#73
 1,3,5-Trimethylbenzene
 Concen: 2.057 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

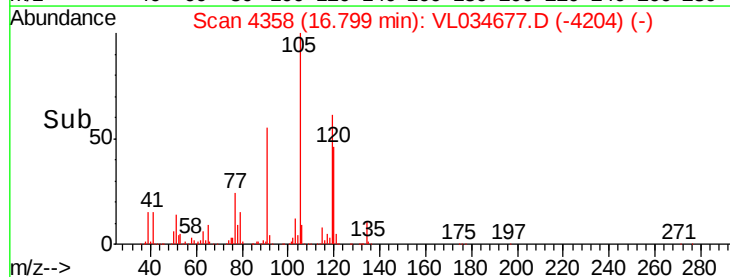
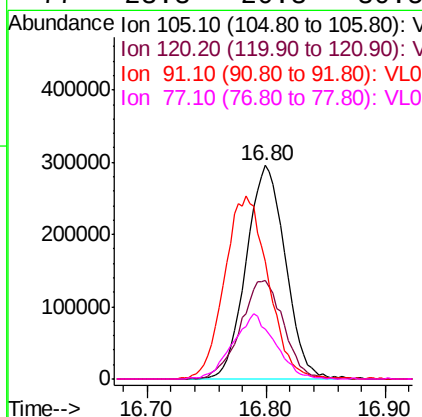
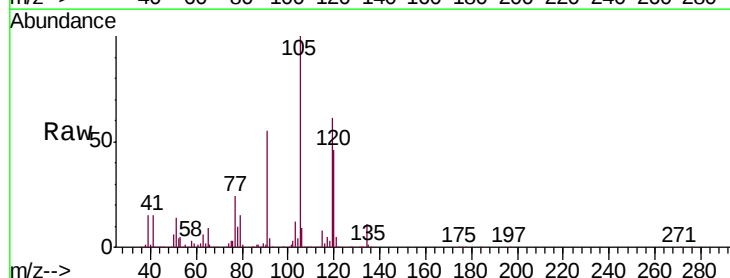
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

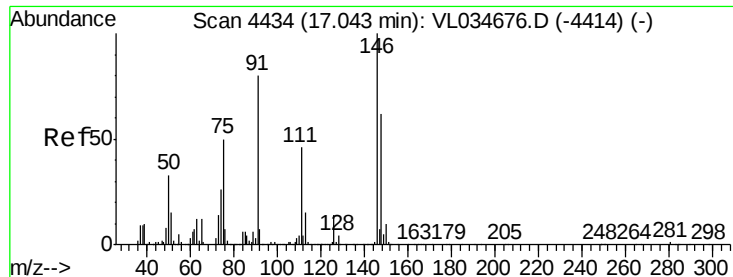
Tgt Ion:105 Resp: 614384
 Ion Ratio Lower Upper
 105 100
 120 42.3 37.1 55.7



#74
 1,2,4-Trimethylbenzene
 Concen: 2.093 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion:105 Resp: 673813
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.9 56.9
 91 54.4 43.9 65.9
 77 23.3 20.3 30.5





#75

1,3-Dichlorobenzene

Concen: 2.034 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.01 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

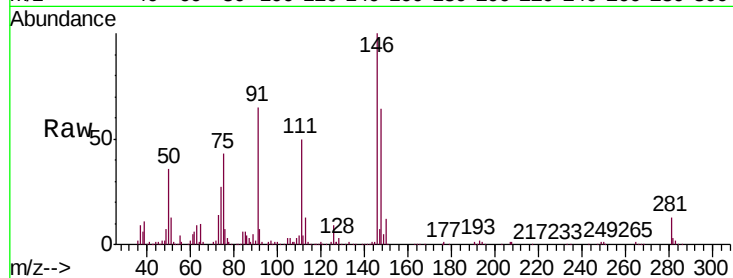
Tgt Ion:146 Resp: 384349

Ion Ratio Lower Upper

146 100

111 49.0 24.4 73.2

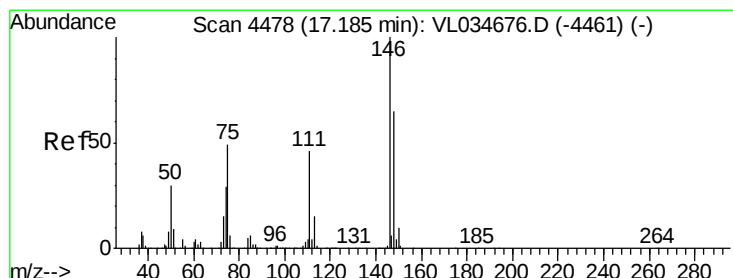
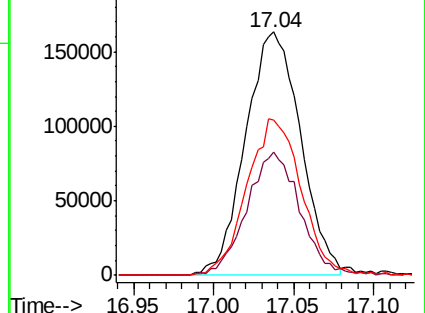
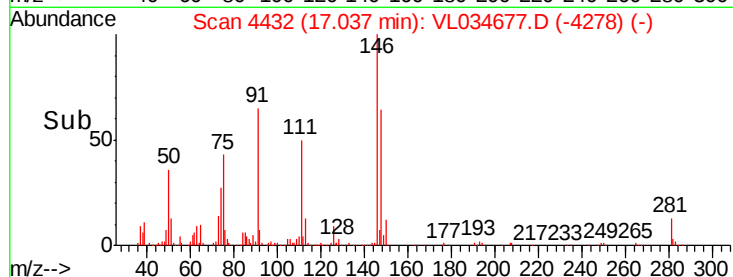
148 64.3 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 2.038 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. -0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

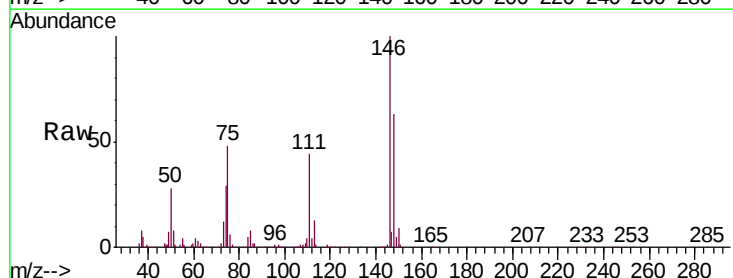
Tgt Ion:146 Resp: 380190

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.0

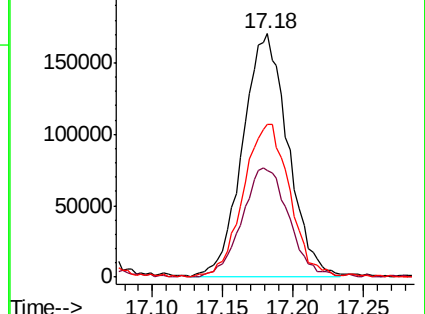
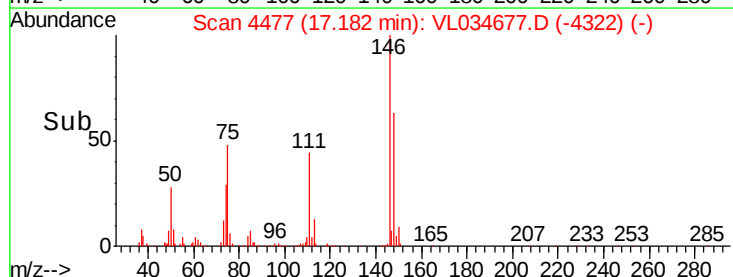
148 65.4 31.9 95.5

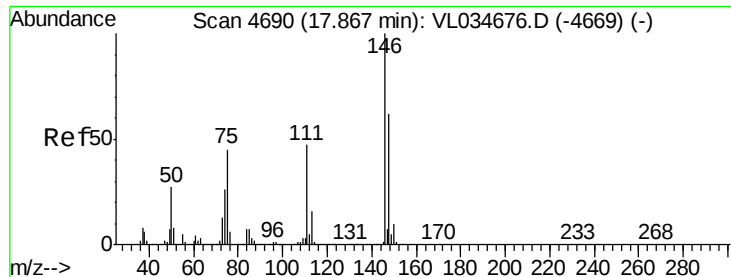


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

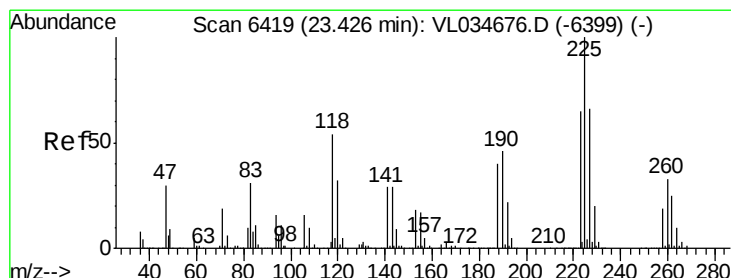
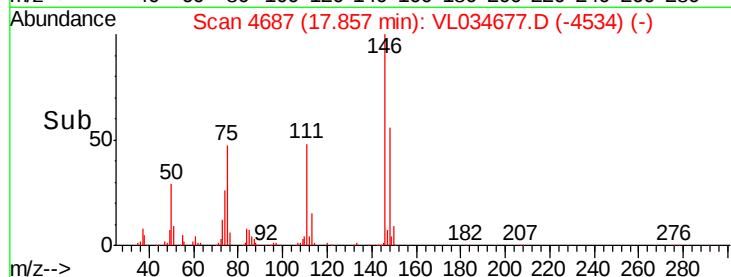
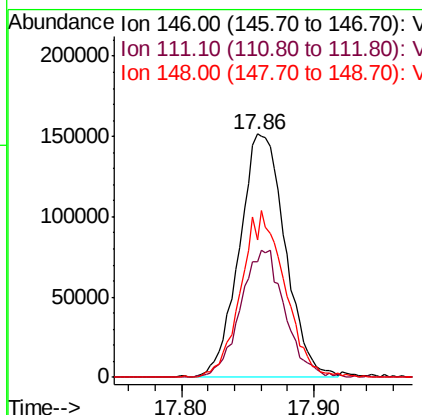
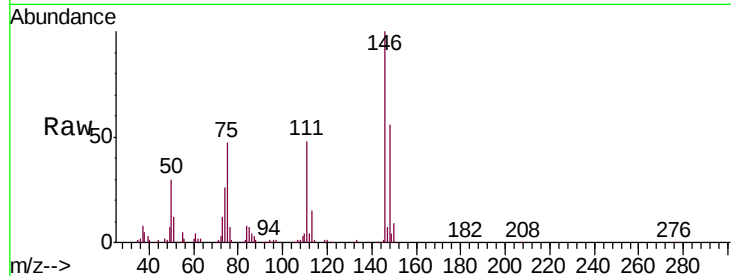




#77
 1,2-Dichlorobenzene
 Concen: 1.999 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

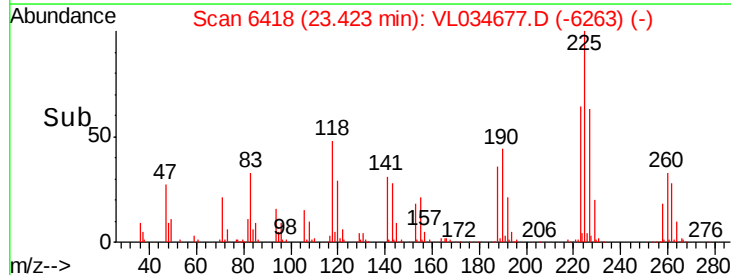
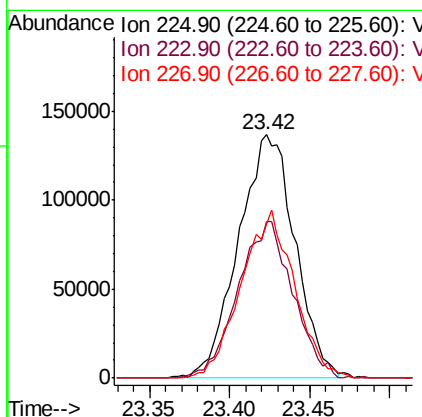
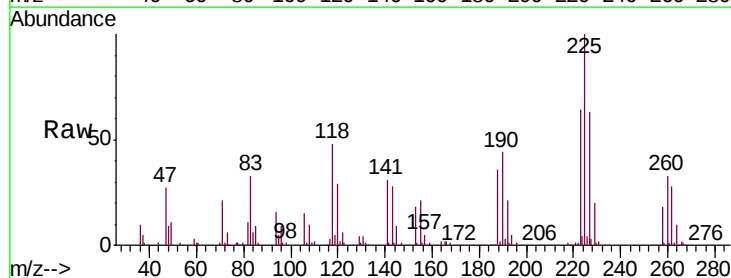
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

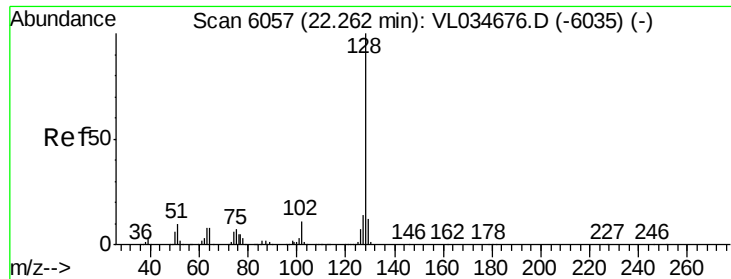
Tgt Ion:146 Resp: 363864
 Ion Ratio Lower Upper
 146 100
 111 50.8 24.9 74.7
 148 65.4 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.223 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Tgt Ion:225 Resp: 331344
 Ion Ratio Lower Upper
 225 100
 223 62.8 51.3 76.9
 227 65.0 51.3 76.9





#79

Naphthalene

Concen: 2.526 ppbv

RT: 22.27 min Scan# 6058

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

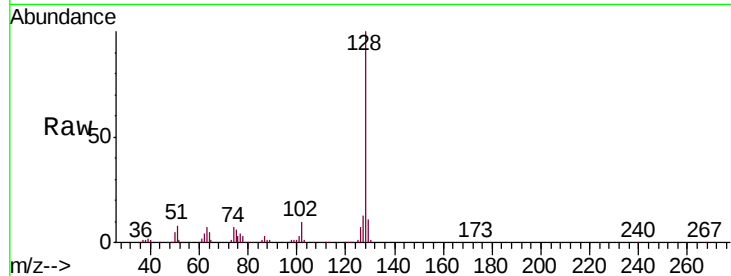
Tgt Ion:128 Resp: 618784

Ion Ratio Lower Upper

128 100

127 12.5 11.0 16.6

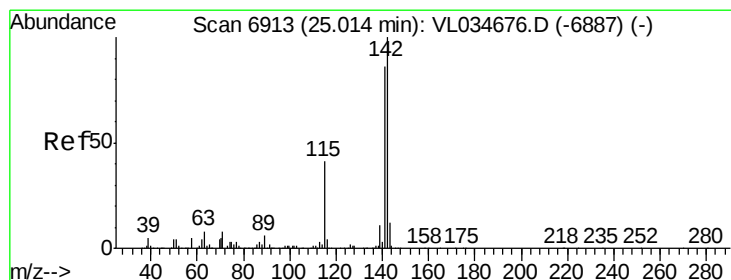
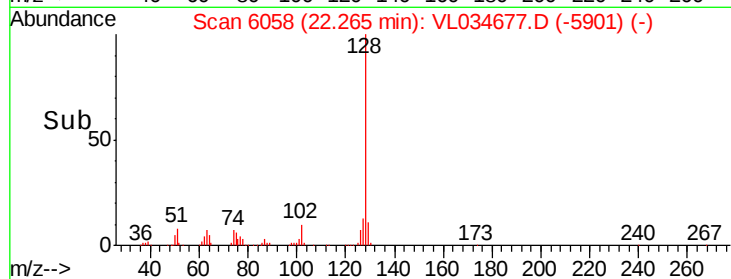
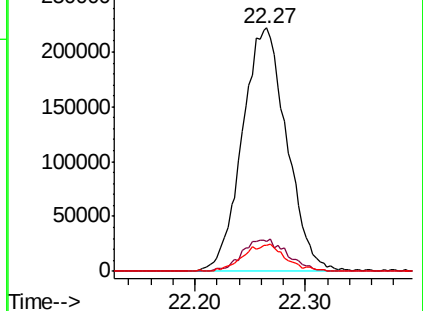
129 10.8 9.4 14.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 4.233 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.00 min

Lab File: VL034677.D

Acq: 26 Feb 2020 3:08

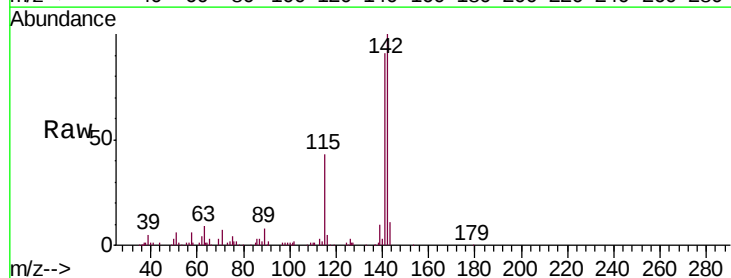
Tgt Ion:142 Resp: 218517

Ion Ratio Lower Upper

142 100

141 85.9 66.5 99.7

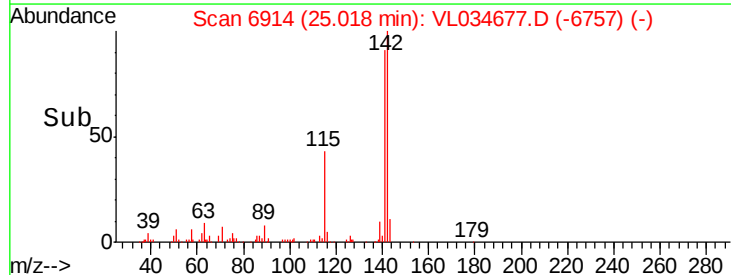
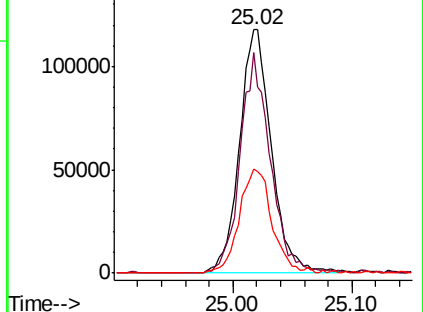
115 44.8 30.6 46.0

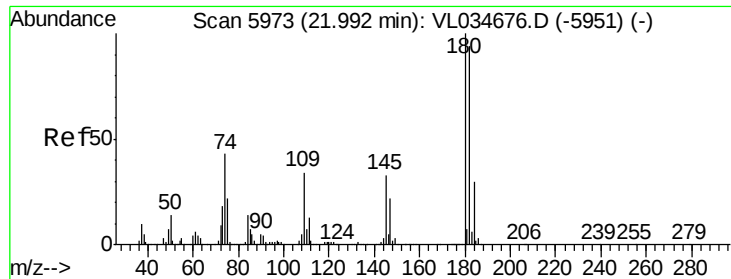


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 2.393 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL034677.D
 Acq: 26 Feb 2020 3:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:	180	Resp:	357916
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
184	30.6	25.2	37.8

