

Data File : VL034577.D
Acq On : 4 Feb 2020 11:42
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Feb 05 05:42:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1194033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2440872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2582395	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2170845	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	2239988	8.517	ppbv	99
3) Chlorodifluoromethane	2.95	51	1258052	8.720	ppbv	100
4) Chloromethane	3.11	50	757510	8.581	ppbv	99
5) Vinyl Chloride	3.22	62	707824	8.394	ppbv	98
6) Bromomethane	3.44	94	389530	8.882	ppbv	96
7) Chloroethane	3.53	64	274398	8.751	ppbv	96
8) Dichlorotetrafluoroethane	3.16	85	1766560	8.594	ppbv	99
9) Propene	2.98	41	498291	8.870	ppbv	100
10) Heptane	8.14	43	1344263	9.509	ppbv	98
11) Trichlorofluoromethane	3.93	101	2070687	8.667	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1399477	8.978	ppbv	99
13) Ethanol	3.58	45	109384	7.269	ppbv	99
14) Bromoethene	3.71	108	558539	9.135	ppbv	97
15) Acetone	3.83	43	1435890	8.182	ppbv	100
16) 1,3-Butadiene	3.29	39	655095	9.401	ppbv	100
17) tert-Butyl alcohol	4.28	59	1173600	9.094	ppbv	100
18) 1,1-Dichloroethene	4.27	96	623115	9.470	ppbv	98
19) Isopropyl Alcohol	3.95	45	876584	8.560	ppbv	99
20) Methylene Chloride	4.33	84	532250	7.965	ppbv	98
21) Allyl Chloride	4.39	41	1023323	9.389	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	631294	9.161	ppbv	97
23) Vinyl Acetate	5.07	43	1861751	9.299	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1487639	8.899	ppbv	99
25) Ethyl Acetate	5.67	43	2500820	8.803	ppbv	100
26) Hexane	5.69	57	1079621	9.073	ppbv	98
27) Carbon Disulfide	4.53	76	1619268	10.085	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1926561	9.493	ppbv	99
29) Chloroform	5.75	83	1838927	8.739	ppbv	98
30) Cyclohexane	7.14	84	870925	9.877	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1154923	9.341	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1950650	8.634	ppbv	99
34) 2-Butanone	5.24	43	1579449	8.912	ppbv	100
35) Carbon Tetrachloride	7.03	117	2113666	9.058	ppbv	97
36) Benzene	6.90	78	2051571	9.451	ppbv	96
37) 1,2-Dichloroethane	6.32	62	1628714	8.993	ppbv	100
38) Trichloroethene	7.86	130	888269	9.708	ppbv	94
39) 1,2-Dichloropropane	7.63	63	814442	9.051	ppbv	95
40) 1,4-Dioxane	7.84	88	303333	8.769	ppbv	91
41) Tetrahydrofuran	6.05	42	865153	9.357	ppbv	99
42) Bromodichloromethane	7.81	83	2077654	9.321	ppbv	97
43) Methyl Methacrylate	8.03	69	864272	9.899	ppbv	98

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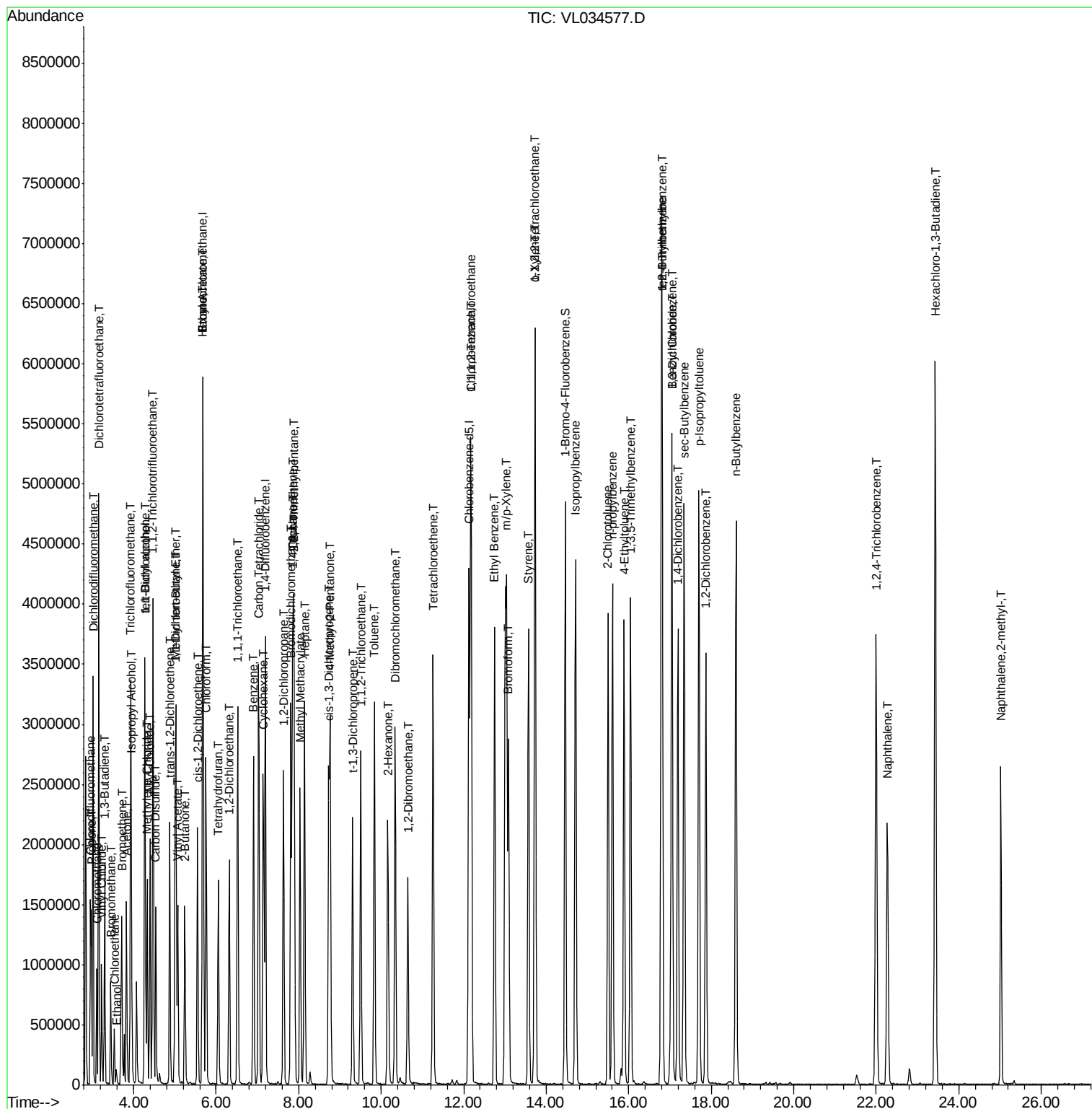
Quant Time: Feb 05 05:42:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
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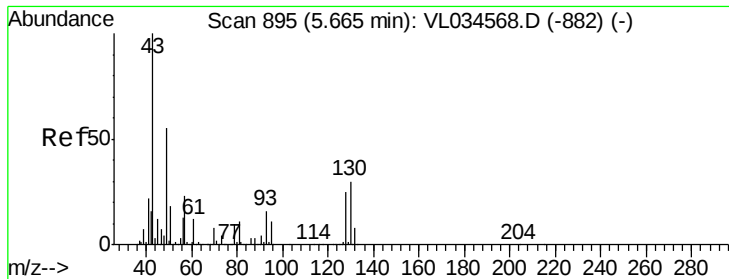
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3596743	9.133	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1250500	10.939	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1356656	10.441	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	889790	9.130	ppbv	95
48) Dibromochloromethane	10.34	129	1740558	9.746	ppbv	100
49) Bromoform	13.09	173	1575119	10.045	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2363558	9.352	ppbv	100
51) 2-Hexanone	10.16	43	1966600	9.884	ppbv #	99
52) Tetrachloroethene	11.26	164	794974	9.117	ppbv	97
53) Toluene	9.84	91	2369569	9.937	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1351331	9.252	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	1155330	9.062	ppbv #	63
57) Chlorobenzene	12.19	112	1893382	8.910	ppbv	99
58) Ethyl Benzene	12.75	91	3297913	9.544	ppbv	96
59) m/p-Xylene	13.03	91	2860236	9.363	ppbv #	34
60) o-Xylene	13.73	91	2841316	9.262	ppbv	99
61) Styrene	13.57	104	2038360	9.965	ppbv	98
62) Isopropylbenzene	14.71	105	3628366	9.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1972908	8.315	ppbv	100
64) n-propylbenzene	15.61	120	954517	9.333	ppbv	99
65) tert-Butylbenzene	16.80	119	3292403	9.141	ppbv	99
66) Benzyl Chloride	17.04	91	1622484	10.743	ppbv	99
67) sec-Butylbenzene	17.34	105	4431319	8.953	ppbv	99
69) p-Isopropyltoluene	17.70	119	3712895	9.238	ppbv	99
70) n-Butylbenzene	18.60	91	3833530	8.986	ppbv	100
71) 2-Chlorotoluene	15.50	91	2802162	9.286	ppbv	99
72) 4-Ethyltoluene	15.89	105	3172648	9.415	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3054564	9.276	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3182348	8.730	ppbv #	91
75) 1,3-Dichlorobenzene	17.05	146	1795160	8.553	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1791200	8.659	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1682791	8.346	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	1586979	8.231	ppbv	99
79) Naphthalene	22.27	128	2703032	9.419	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	1349282	12.221	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1650198	9.327	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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VSTDCCC010

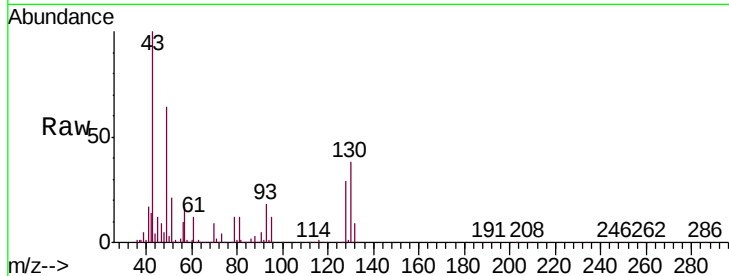
Tgt Ion: 49 Resp: 1194033

Ion Ratio Lower Upper

49 100

128 45.6 22.7 68.1

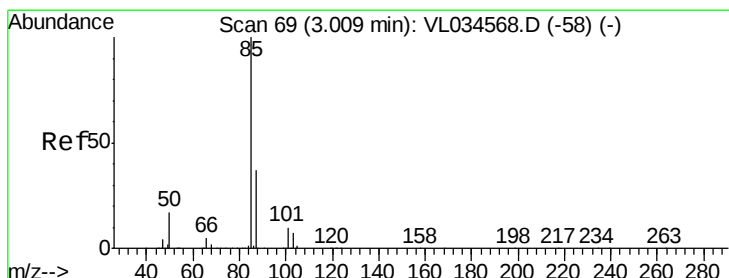
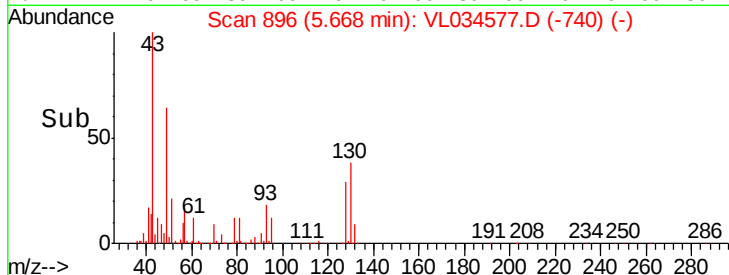
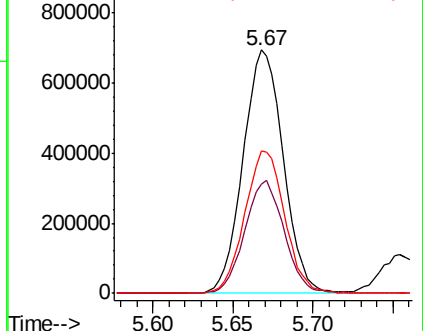
130 58.4 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.517 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL034577.D

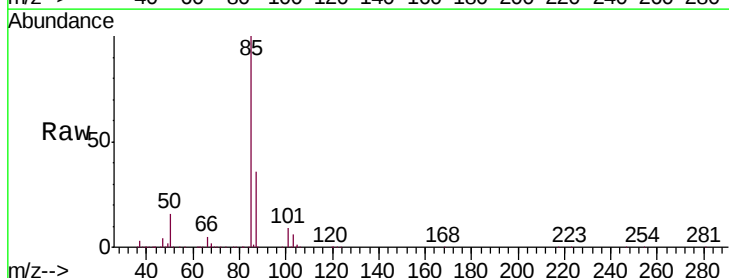
Acq: 4 Feb 2020 11:42

Tgt Ion: 85 Resp: 2239988

Ion Ratio Lower Upper

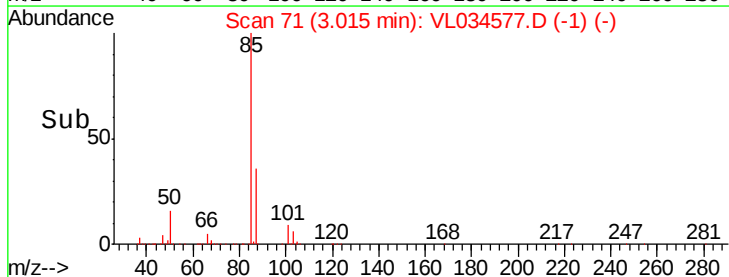
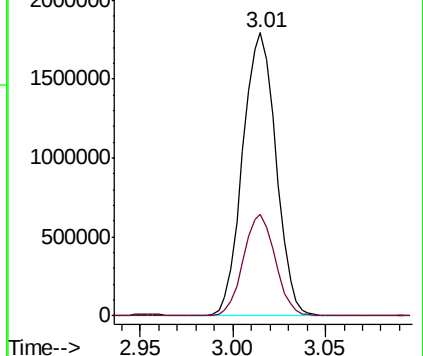
85 100

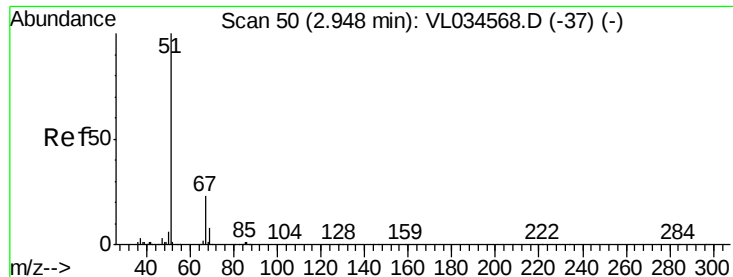
87 36.1 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.720 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

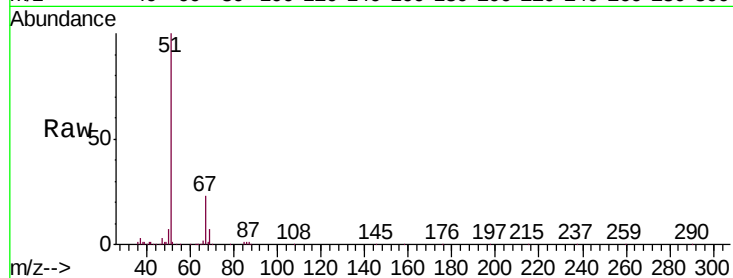
VSTDCCC010

Tgt Ion: 51 Resp: 1258052

Ion Ratio Lower Upper

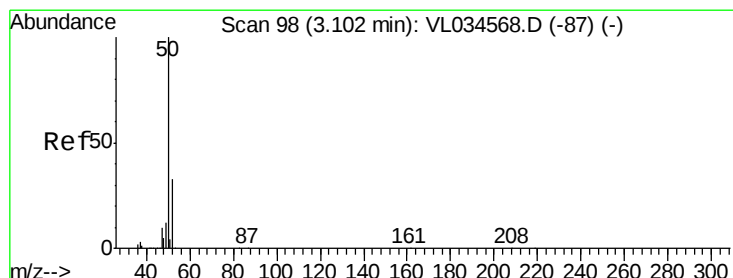
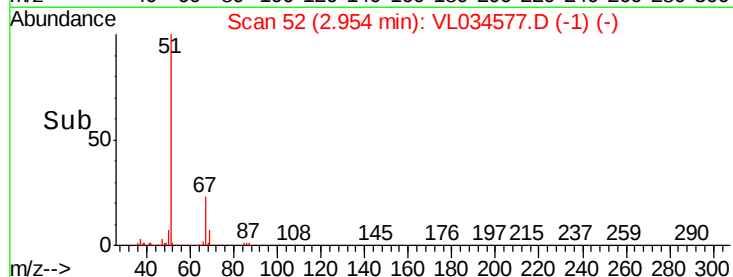
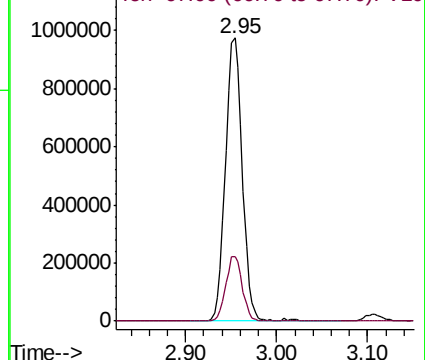
51 100

67 22.3 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.581 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.01 min

Lab File: VL034577.D

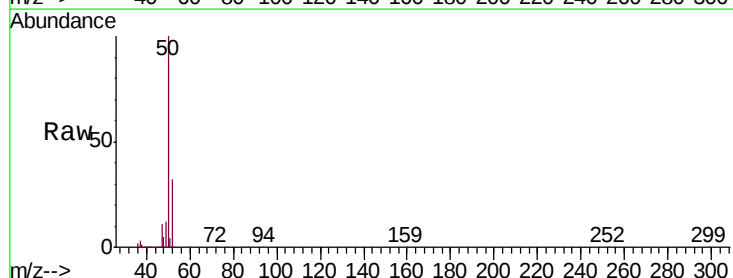
Acq: 4 Feb 2020 11:42

Tgt Ion: 50 Resp: 757510

Ion Ratio Lower Upper

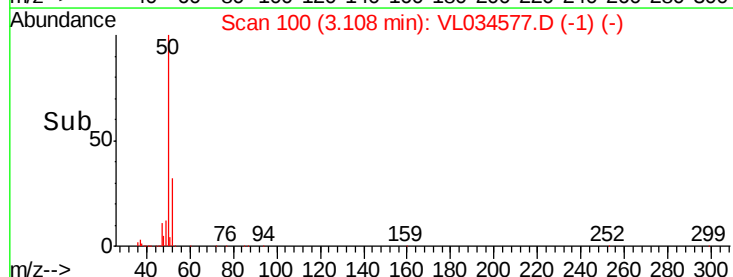
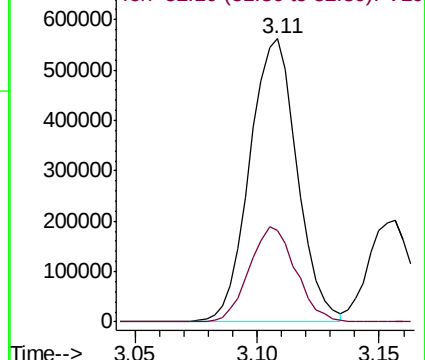
50 100

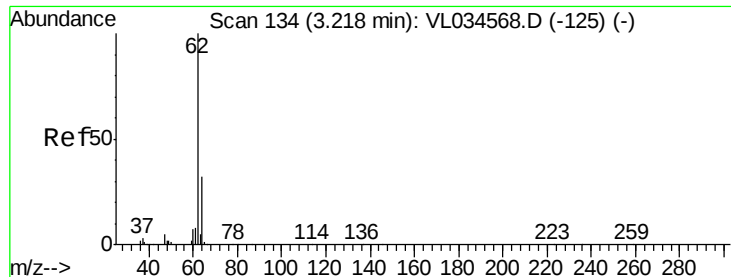
52 32.4 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.394 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

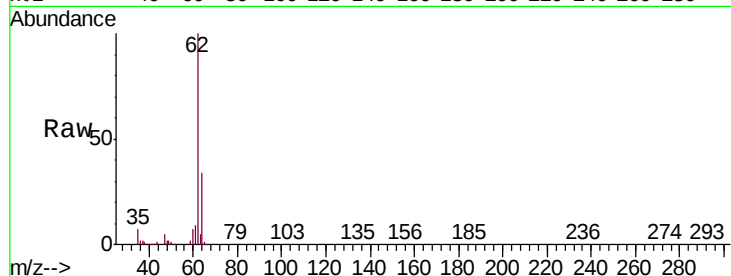
VSTDCCC010

Tgt Ion: 62 Resp: 707824

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

600000

500000

400000

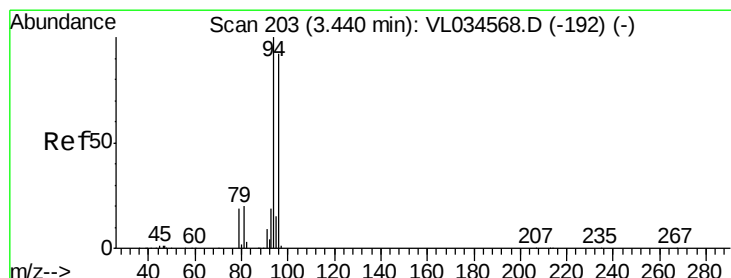
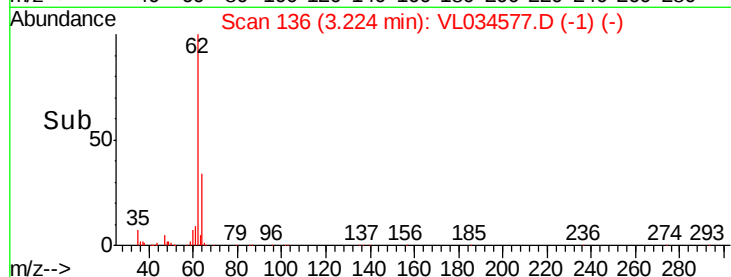
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.882 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034577.D

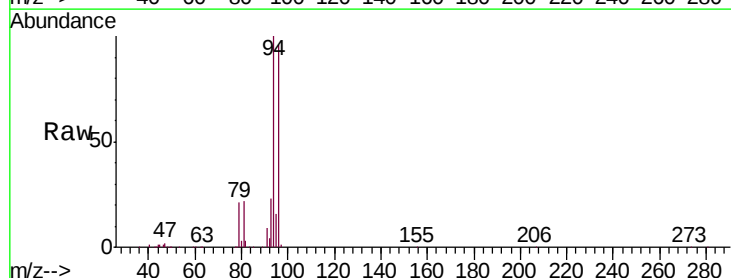
Acq: 4 Feb 2020 11:42

Tgt Ion: 94 Resp: 389530

Ion Ratio Lower Upper

94 100

96 96.4 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

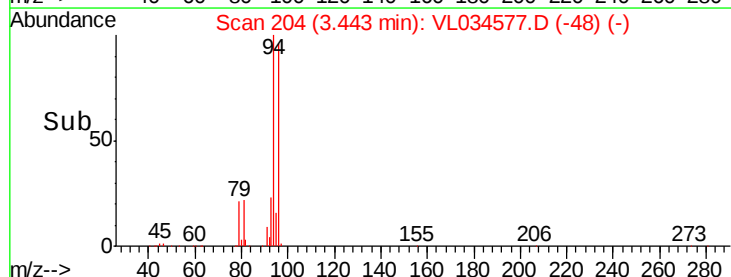
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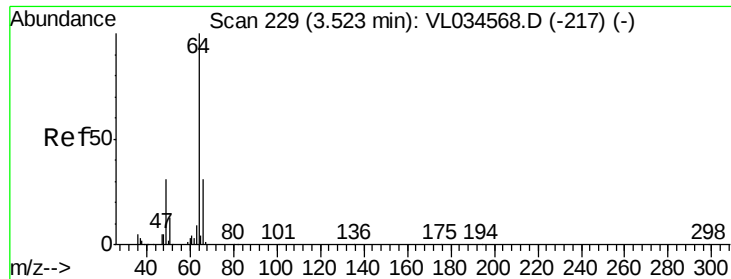
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.751 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

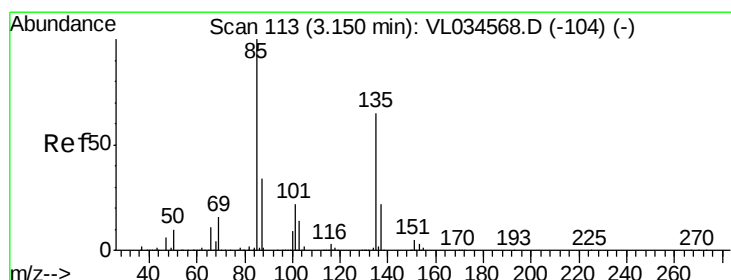
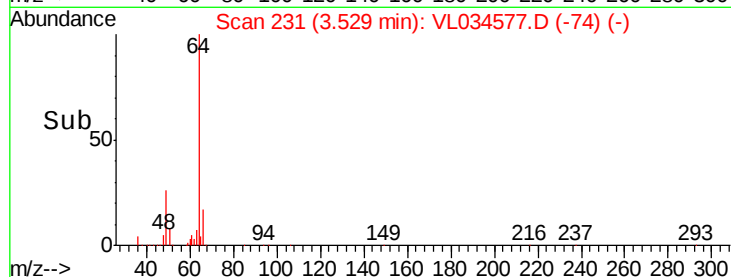
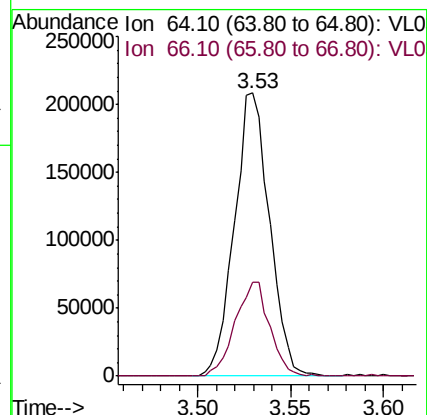
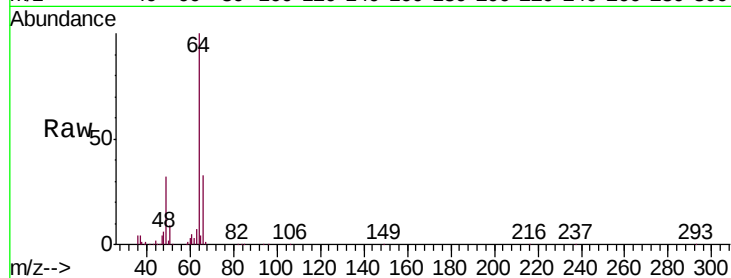
VSTDCCC010

Tgt Ion: 64 Resp: 274398

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 8.594 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034577.D

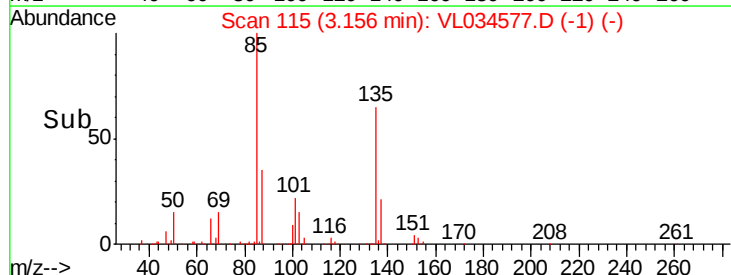
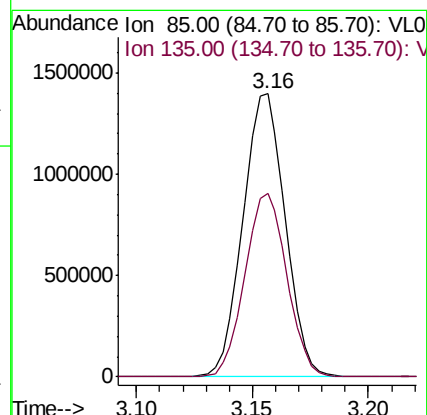
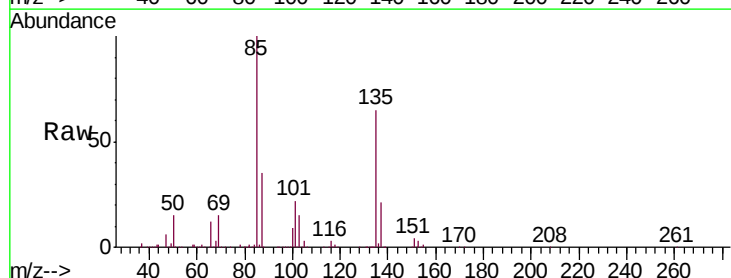
Acq: 4 Feb 2020 11:42

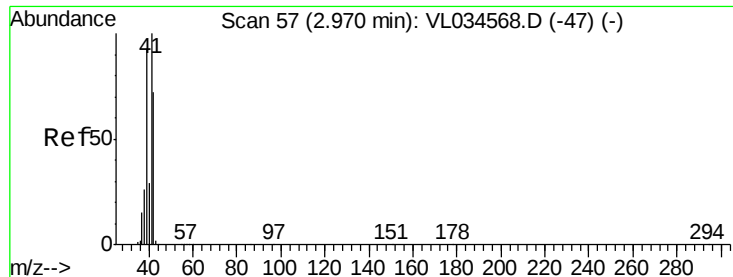
Tgt Ion: 85 Resp: 1766560

Ion Ratio Lower Upper

85 100

135 64.7 52.2 78.2





#9

Propene

Concen: 8.870 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034577.D

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Instrument :

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ClientSampleId :

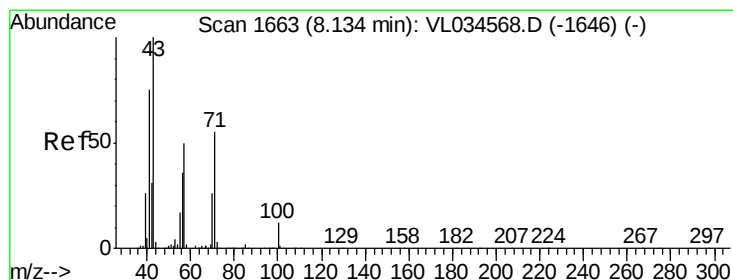
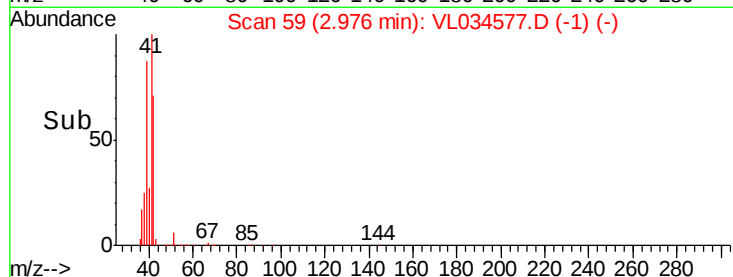
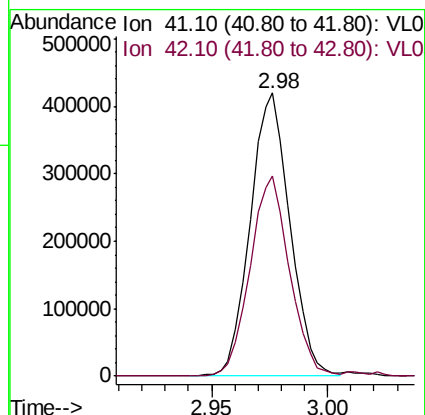
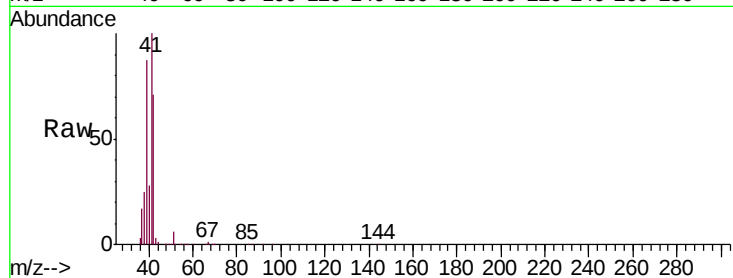
VSTDCCC010

Tgt Ion: 41 Resp: 498291

Ion Ratio Lower Upper

41 100

42 71.5 57.0 85.4



#10

Heptane

Concen: 9.509 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034577.D

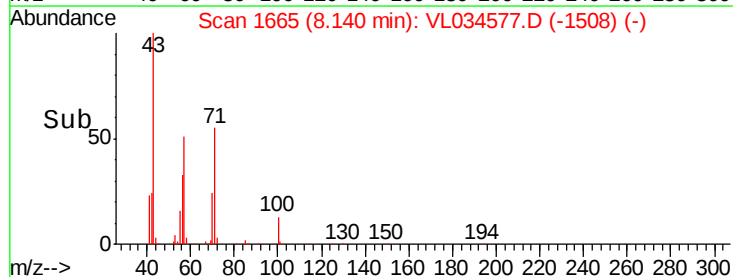
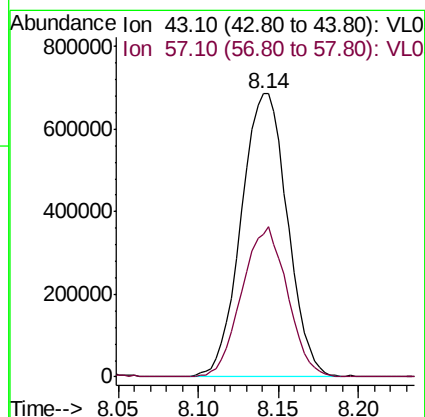
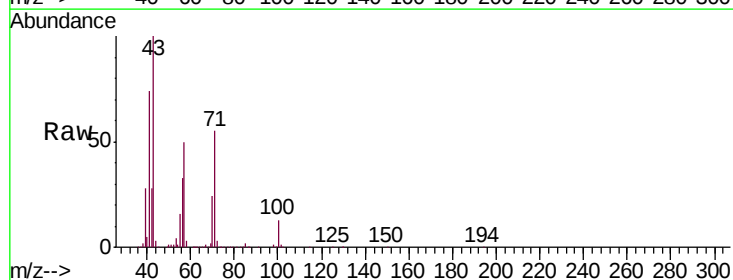
Acq: 4 Feb 2020 11:42

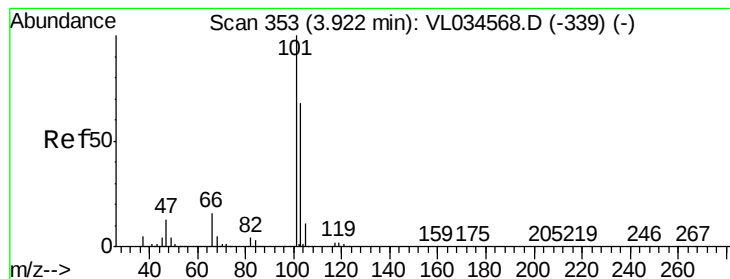
Tgt Ion: 43 Resp: 1344263

Ion Ratio Lower Upper

43 100

57 52.6 41.2 61.8





#11

Trichlorofluoromethane

Concen: 8.667 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

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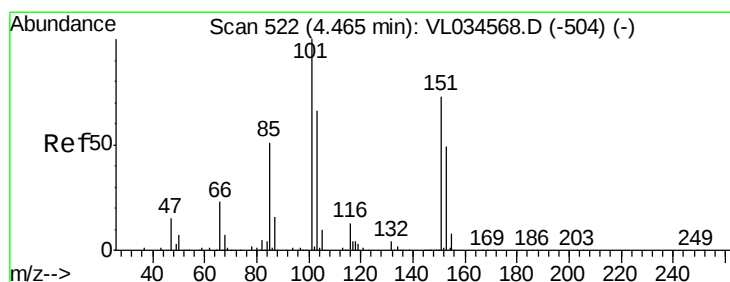
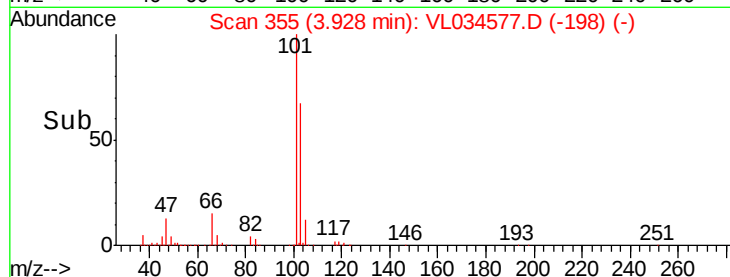
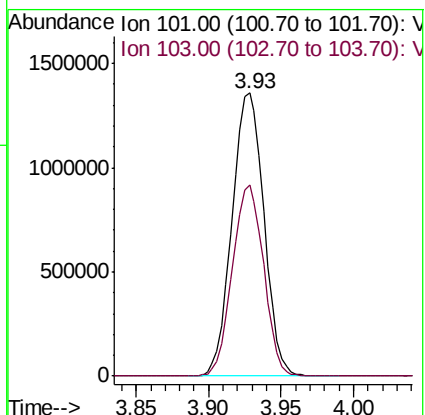
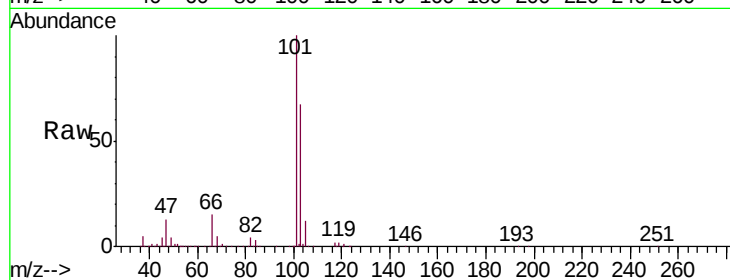
VSTDCCC010

Tgt Ion:101 Resp: 2070687

Ion Ratio Lower Upper

101 100

103 67.5 54.4 81.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.978 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL034577.D

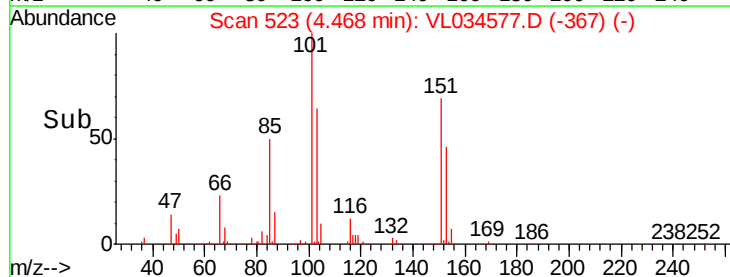
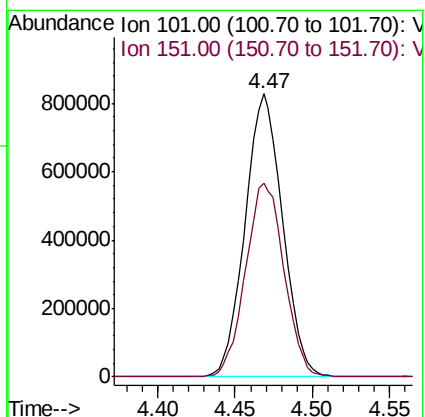
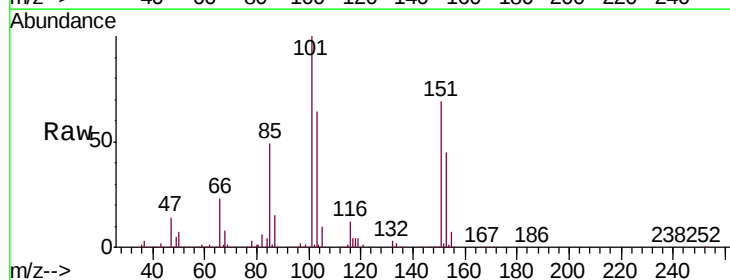
Acq: 4 Feb 2020 11:42

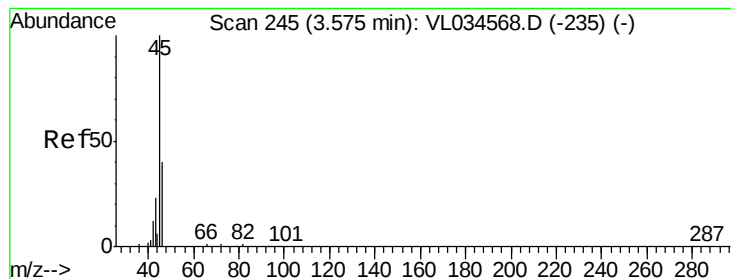
Tgt Ion:101 Resp: 1399477

Ion Ratio Lower Upper

101 100

151 70.4 57.0 85.6





#13

Ethanol

Concen: 7.269 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

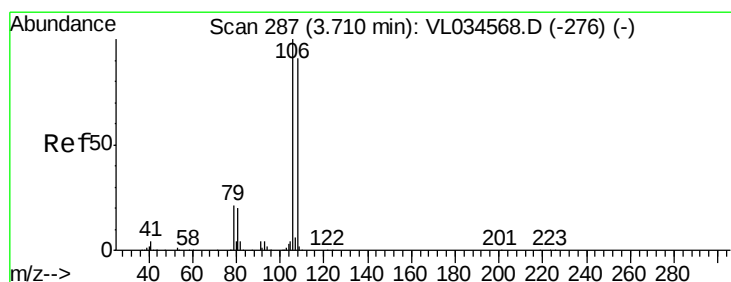
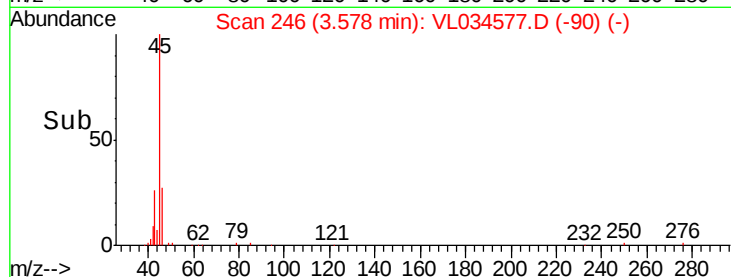
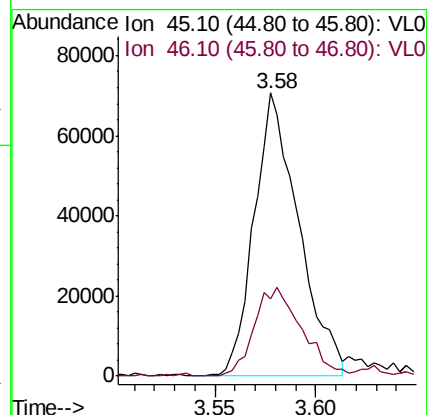
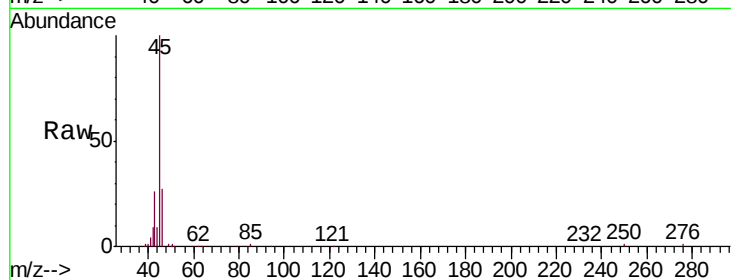
VSTDCCC010

Tgt Ion: 45 Resp: 109384

Ion Ratio Lower Upper

45 100

46 36.5 14.8 59.2



#14

Bromoethene

Concen: 9.135 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

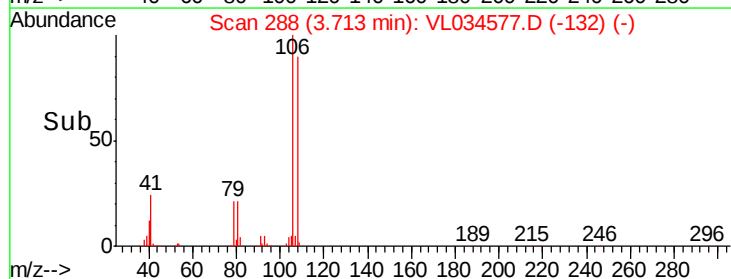
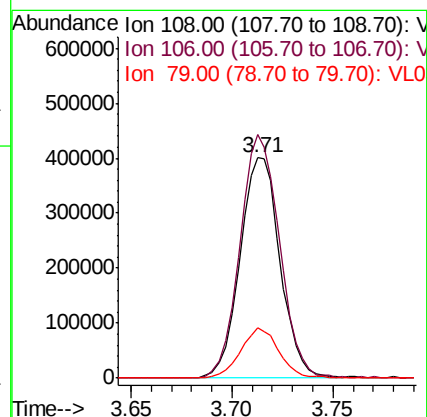
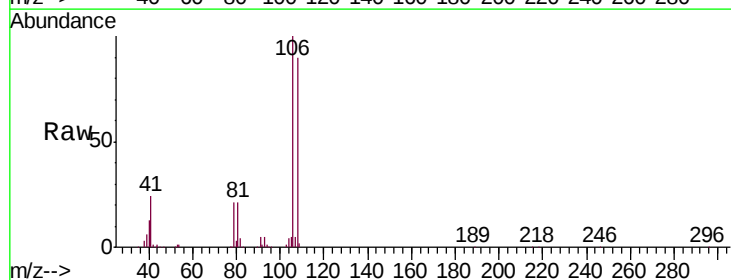
Tgt Ion: 108 Resp: 558539

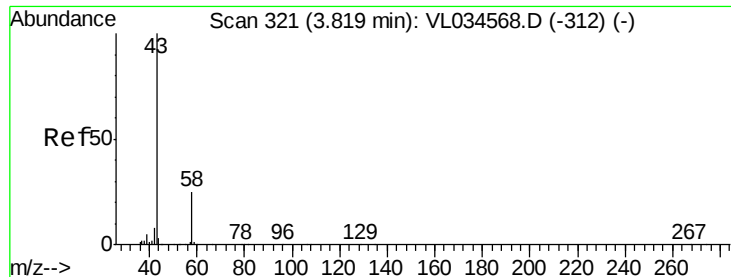
Ion Ratio Lower Upper

108 100

106 109.1 84.6 127.0

79 22.3 18.2 27.2





#15

Acetone

Concen: 8.182 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

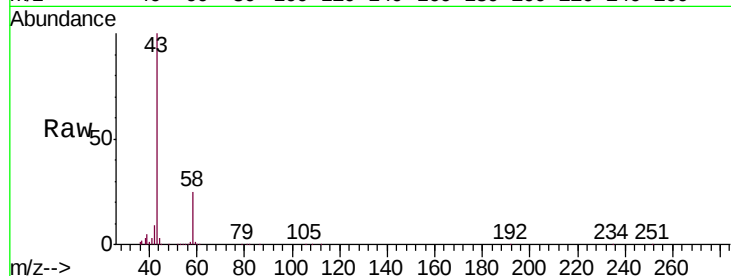
VSTDCCC010

Tgt Ion: 43 Resp: 1435890

Ion Ratio Lower Upper

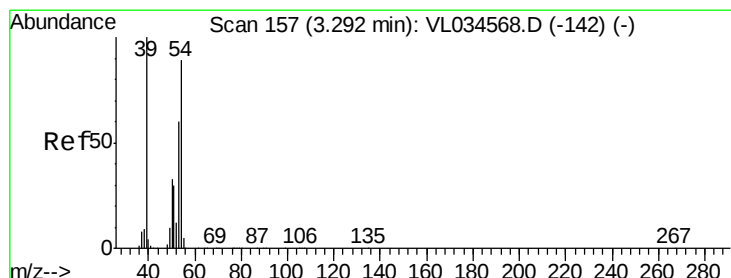
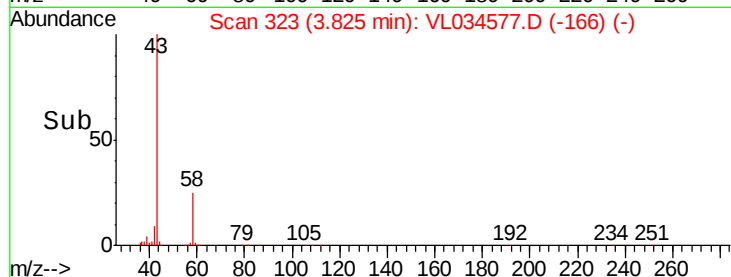
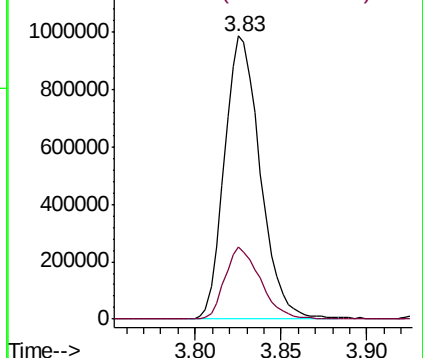
43 100

58 25.5 20.3 30.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.401 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034577.D

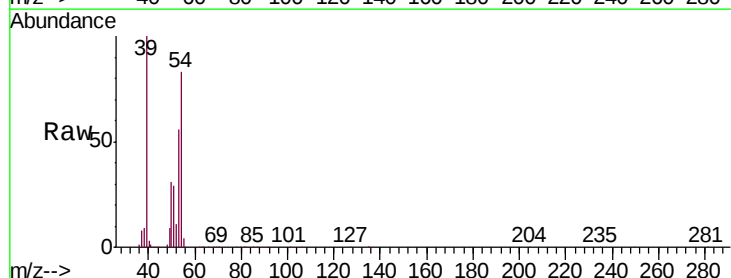
Acq: 4 Feb 2020 11:42

Tgt Ion: 39 Resp: 655095

Ion Ratio Lower Upper

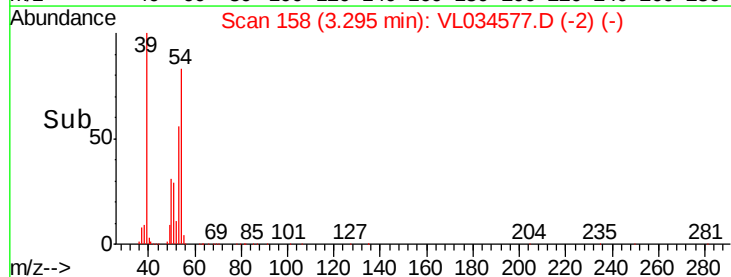
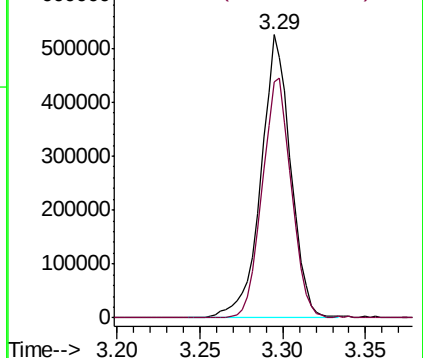
39 100

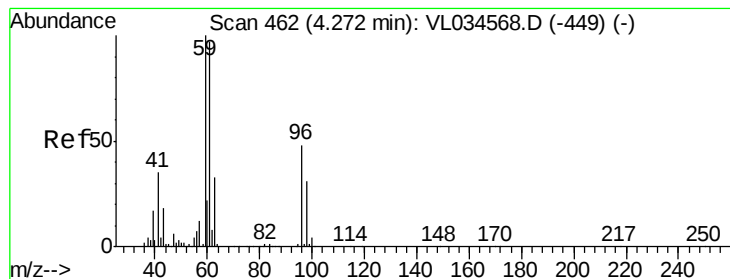
54 83.0 66.7 100.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.094 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

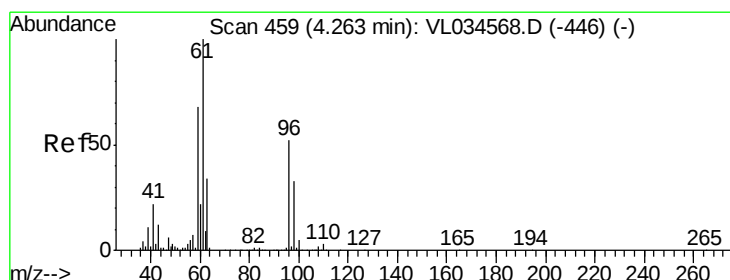
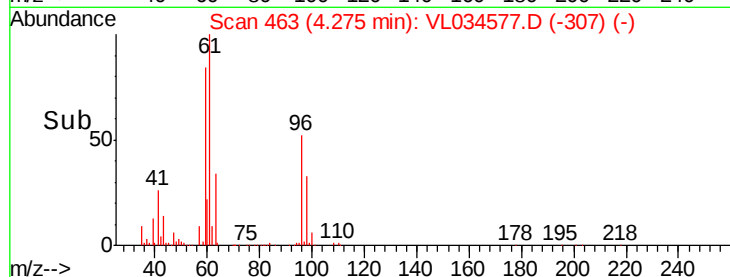
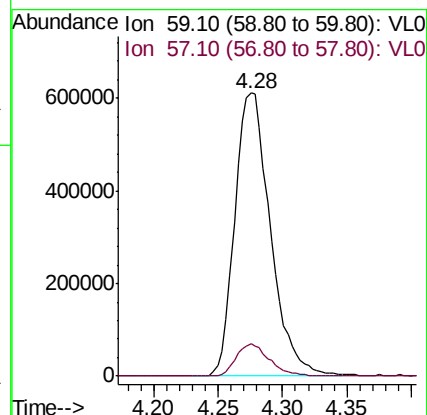
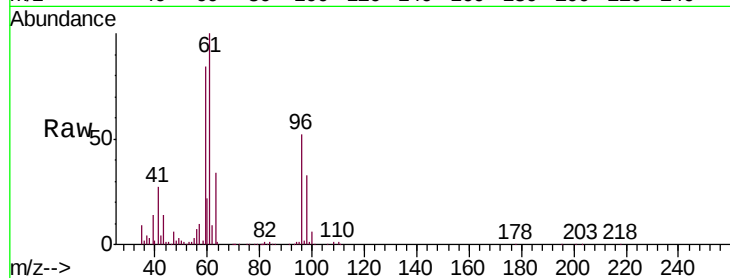
VSTDCCC010

Tgt Ion: 59 Resp: 1173600

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.470 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

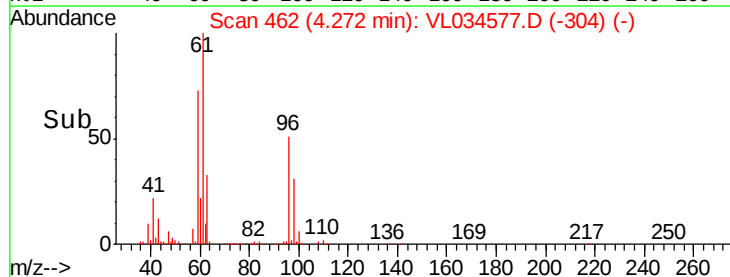
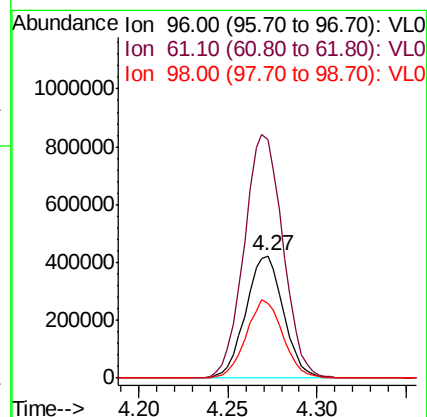
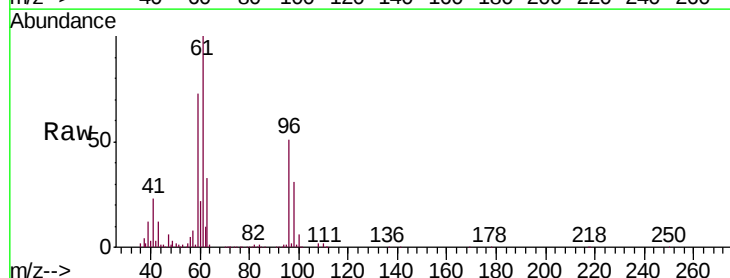
Tgt Ion: 96 Resp: 623115

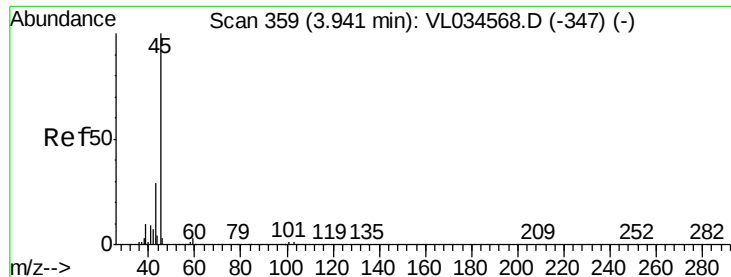
Ion Ratio Lower Upper

96 100

61 195.2 154.5 231.7

98 61.0 50.3 75.5

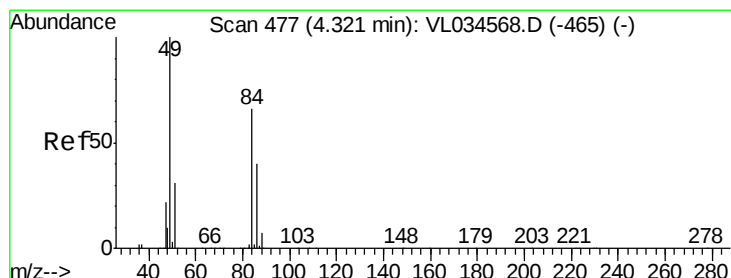
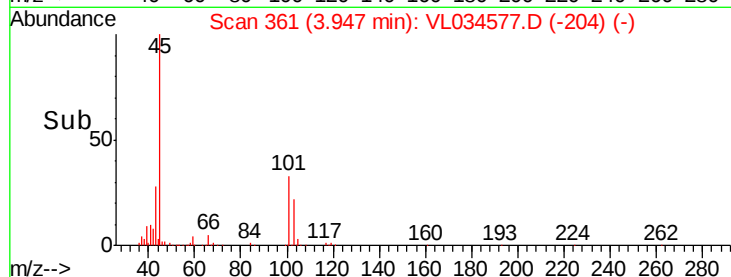
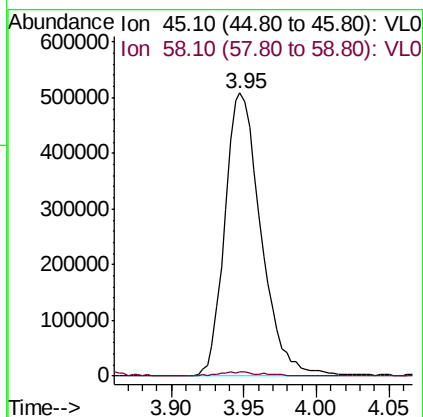
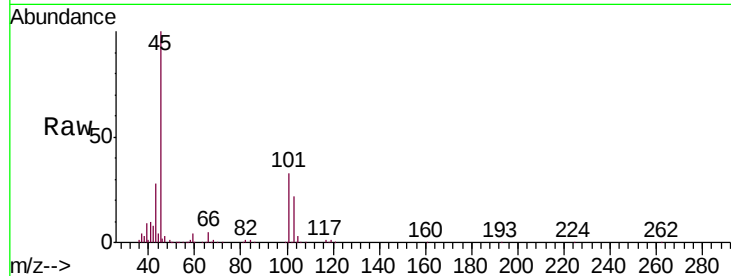




#19
Isopropyl Alcohol
Concen: 8.560 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

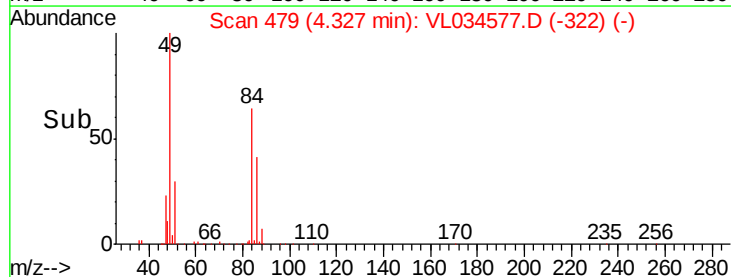
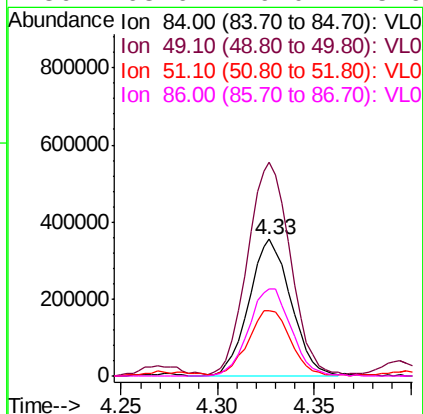
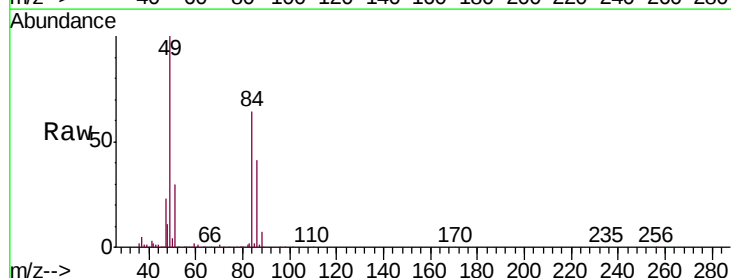
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

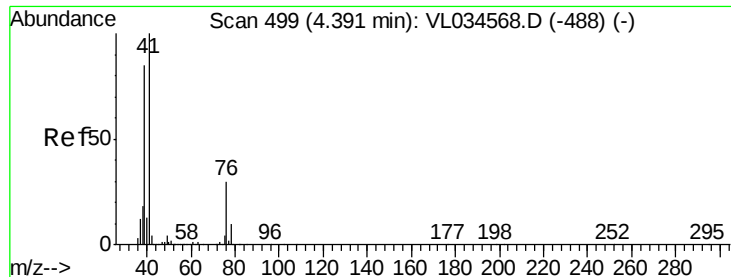
Tgt Ion: 45 Resp: 876584
Ion Ratio Lower Upper
45 100
58 1.8 1.7 2.5



#20
Methylene Chloride
Concen: 7.965 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 84 Resp: 532250
Ion Ratio Lower Upper
84 100
49 154.4 122.4 183.6
51 46.9 38.6 57.8
86 63.6 49.0 73.6





#21

Allyl Chloride

Concen: 9.389 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

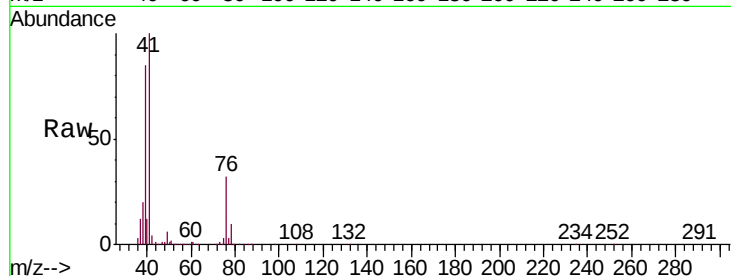
Tgt Ion: 41 Resp: 1023323

Ion Ratio Lower Upper

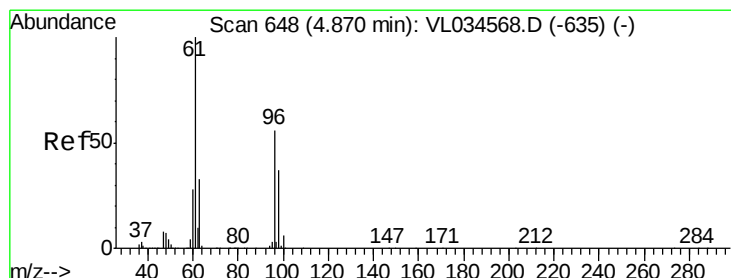
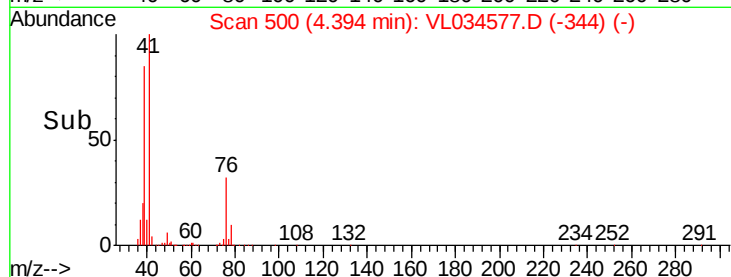
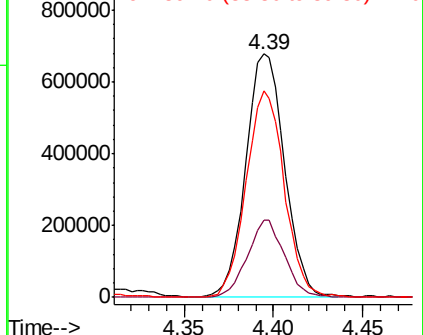
41 100

76 30.5 24.2 36.2

39 84.3 68.3 102.5



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: 9.161 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

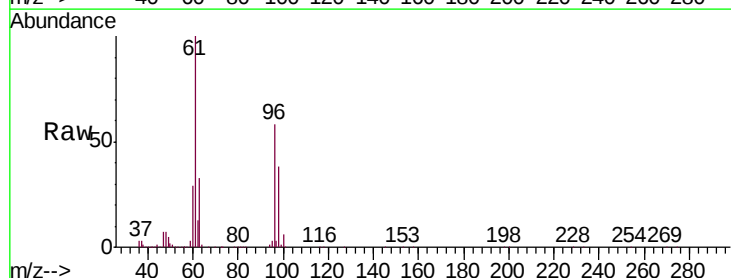
Tgt Ion: 96 Resp: 631294

Ion Ratio Lower Upper

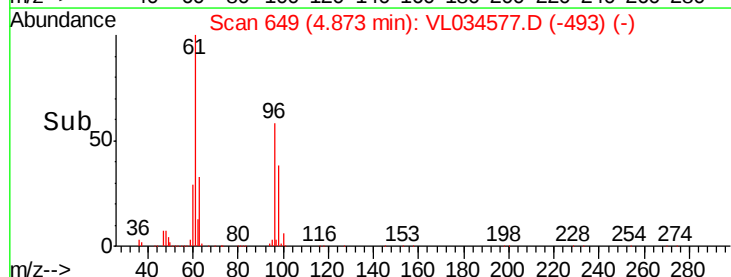
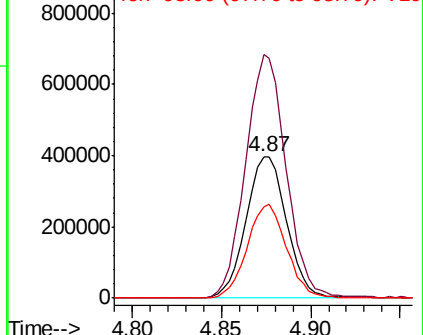
96 100

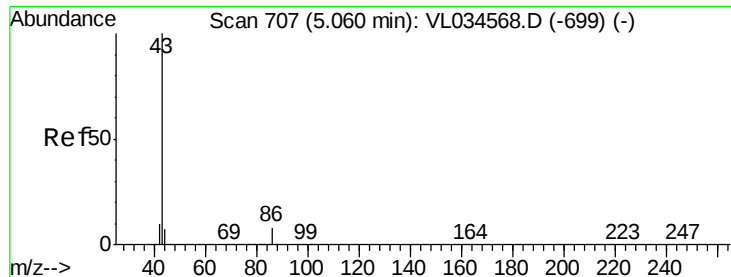
61 172.2 141.9 212.9

98 64.8 53.1 79.7



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: 9.299 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1861751

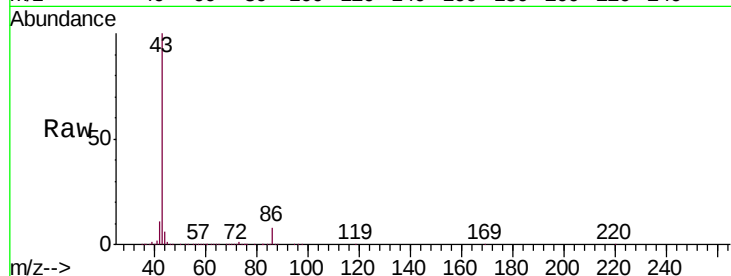
Ion Ratio Lower Upper

43 100

86 7.9 5.9 8.9

42 10.5 8.8 13.2

44 5.7 5.0 7.6

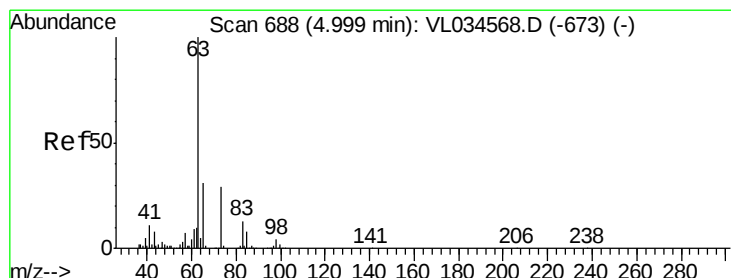
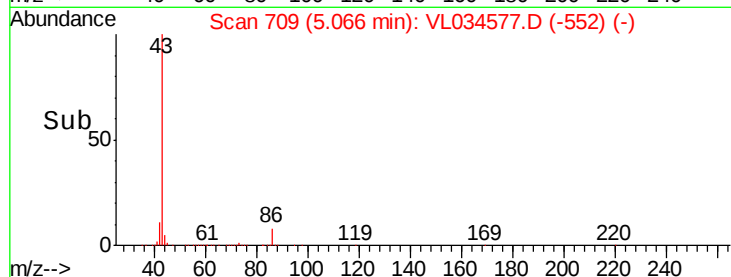
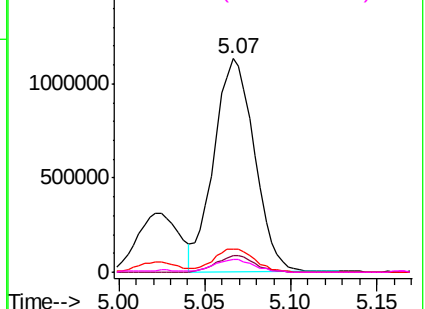


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.899 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

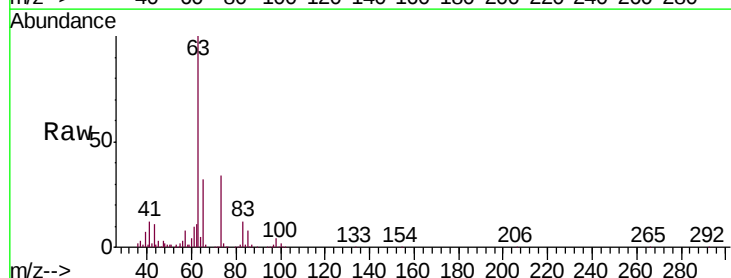
Tgt Ion: 63 Resp: 1487639

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.2

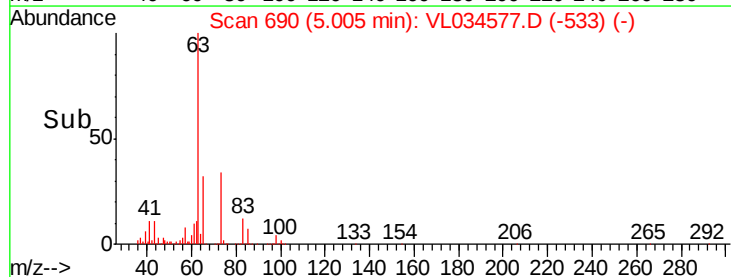
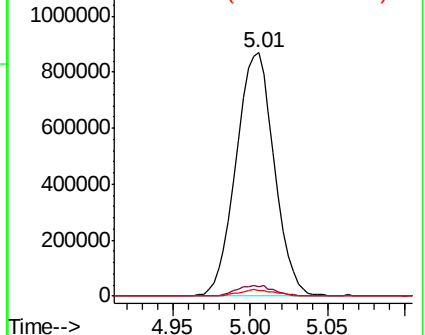
100 2.5 1.1 3.5

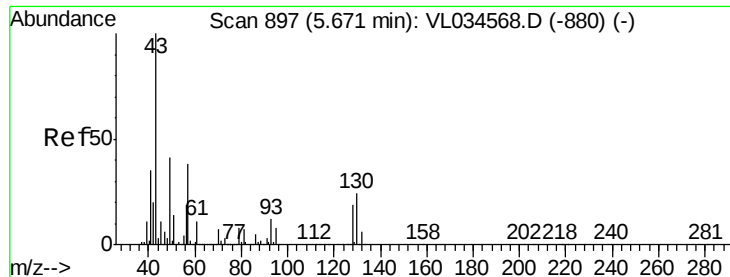


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



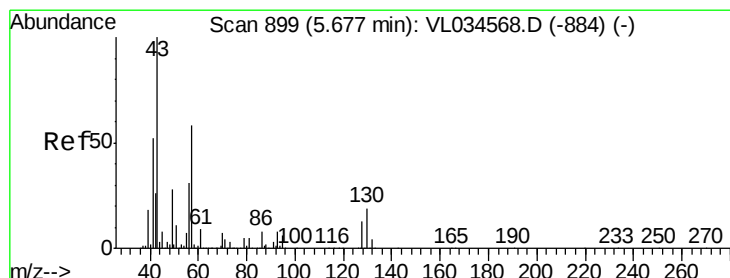
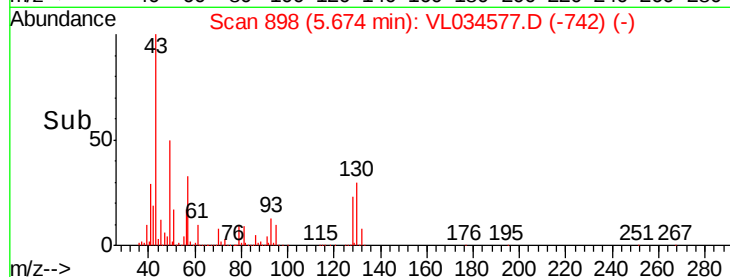
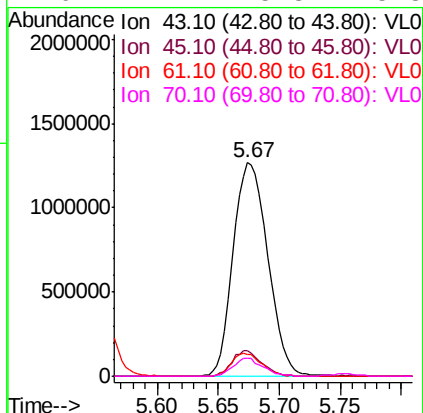
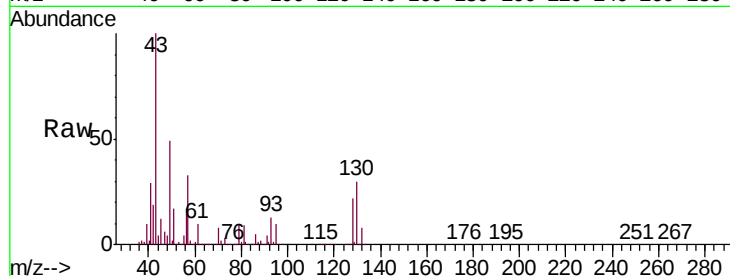


#25
Ethyl Acetate
Concen: 8.803 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2500820

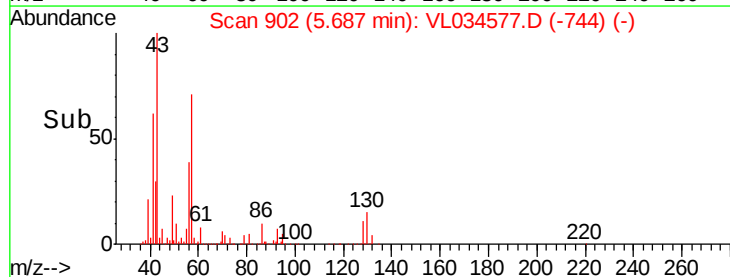
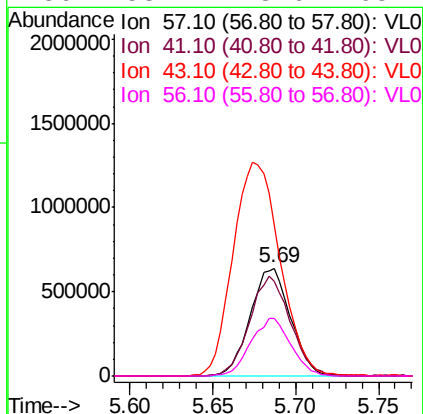
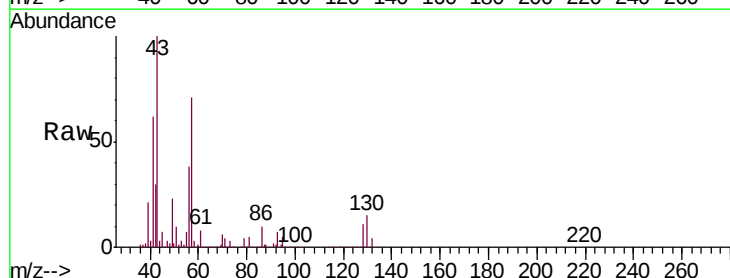
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	9.6	7.8	11.6
70	7.2	5.8	8.8

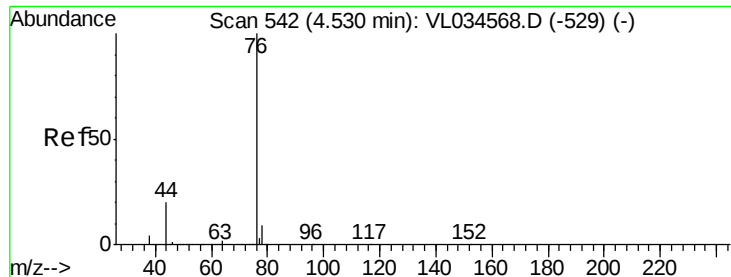


#26
Hexane
Concen: 9.073 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 57 Resp: 1079621

Ion	Ratio	Lower	Upper
57	100		
41	94.1	76.2	114.2
43	232.7	189.9	284.9
56	53.2	43.6	65.4





#27

Carbon Disulfide

Concen: 10.085 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

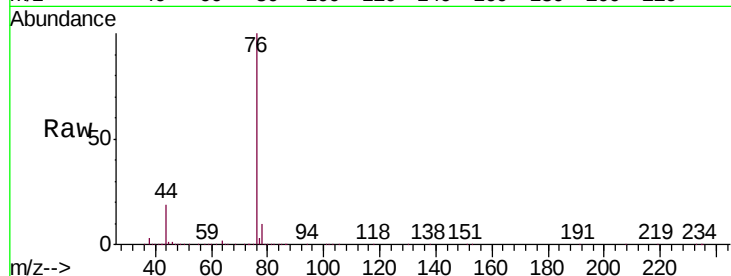
Tgt Ion: 76 Resp: 1619268

Ion Ratio Lower Upper

76 100

44 20.0 16.3 24.5

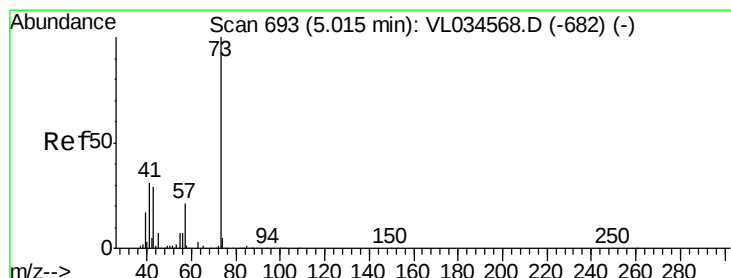
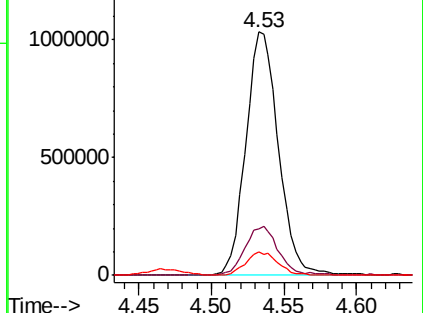
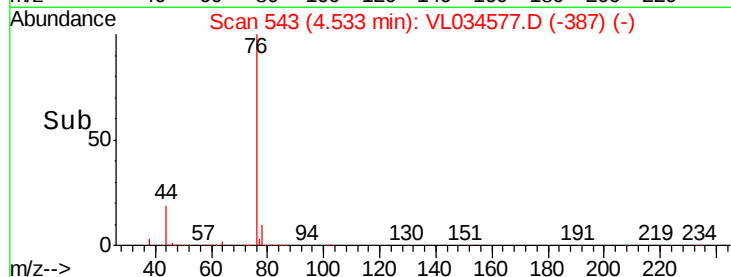
78 9.7 7.4 11.2



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: 9.493 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034577.D

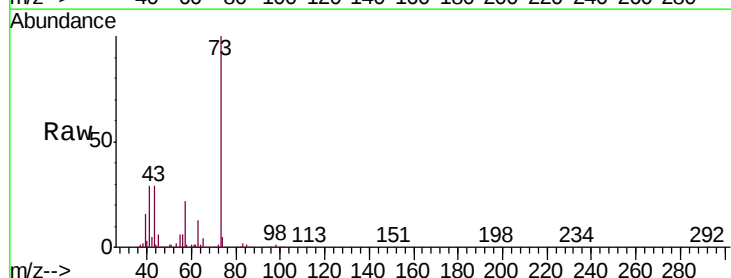
Acq: 4 Feb 2020 11:42

Tgt Ion: 73 Resp: 1926561

Ion Ratio Lower Upper

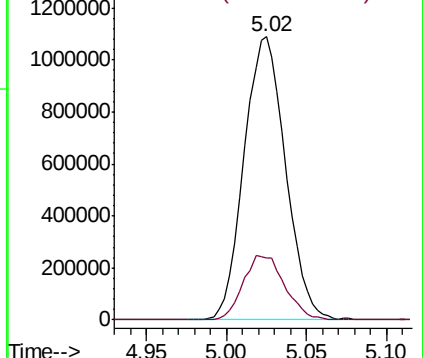
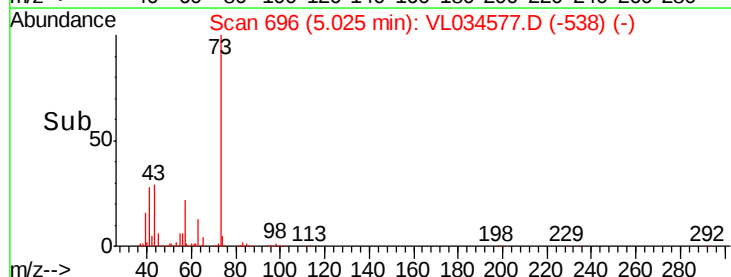
73 100

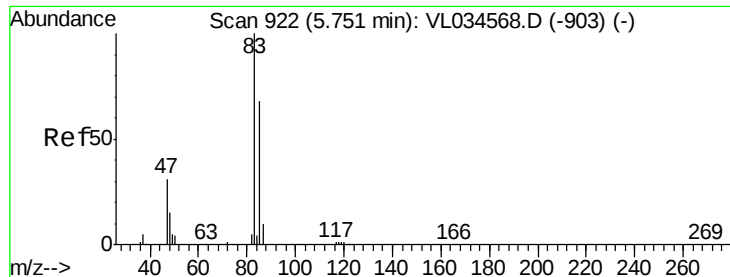
57 23.1 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.739 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

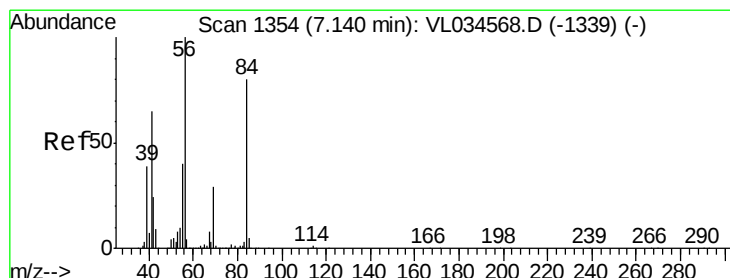
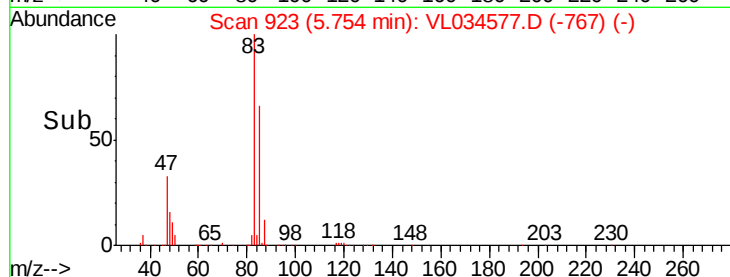
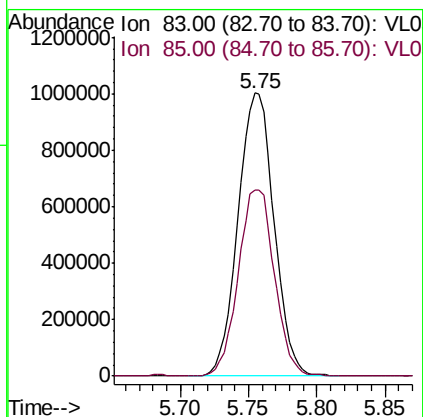
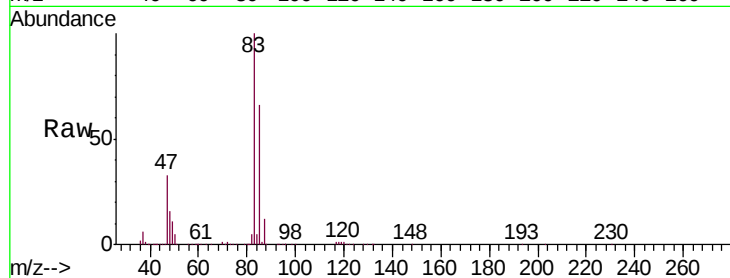
VSTDCCC010

Tgt Ion: 83 Resp: 1838927

Ion Ratio Lower Upper

83 100

85 65.8 54.0 81.0



#30

Cyclohexane

Concen: 9.877 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

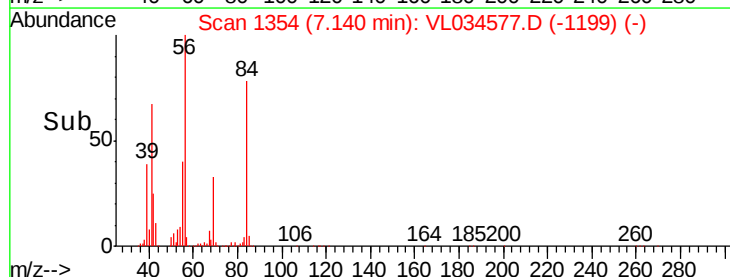
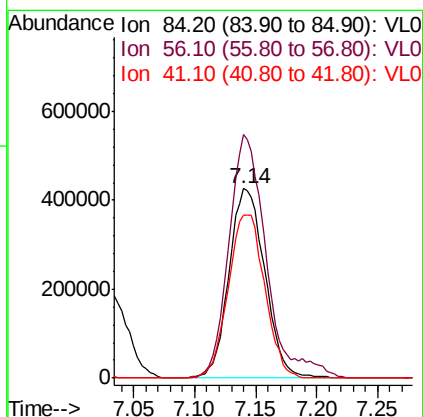
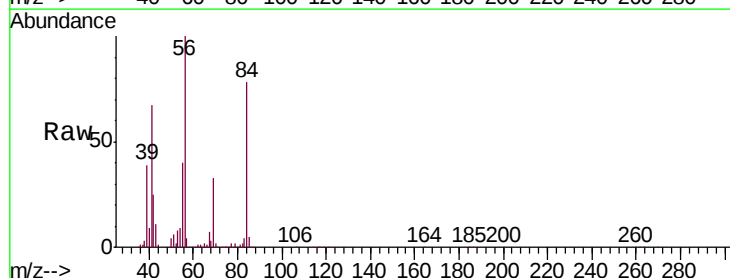
Tgt Ion: 84 Resp: 870925

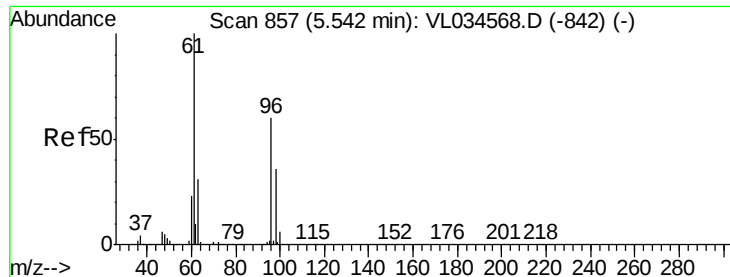
Ion Ratio Lower Upper

84 100

56 134.5 110.5 165.7

41 88.2 71.9 107.9



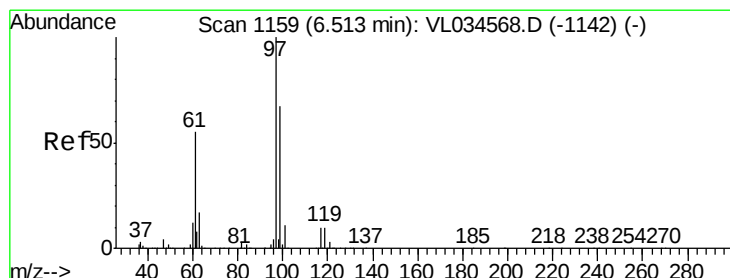
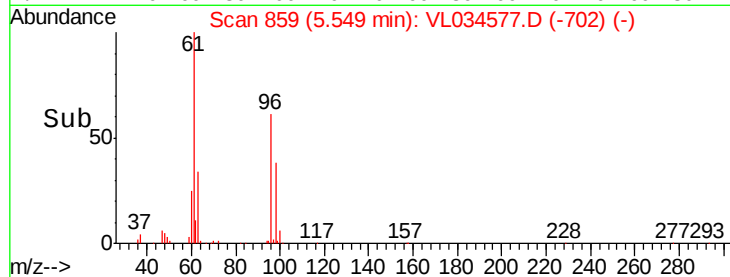
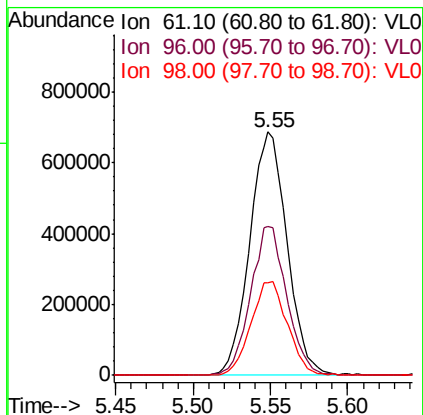
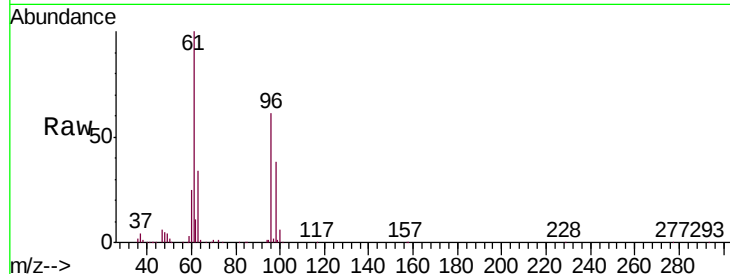


#31

cis-1,2-Dichloroethene
 Concen: 9.341 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

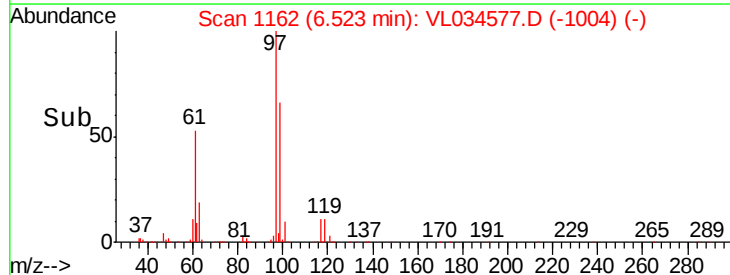
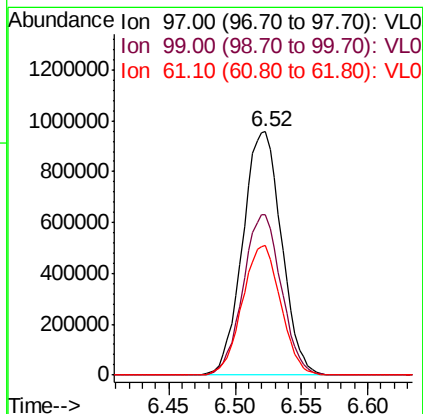
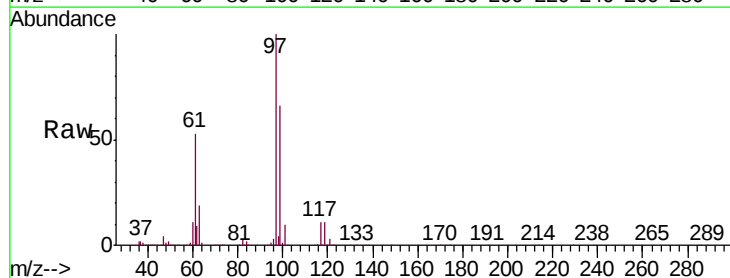
Tgt Ion: 61 Resp: 1154923
 Ion Ratio Lower Upper
 61 100
 96 61.1 48.0 72.0
 98 38.3 28.6 43.0

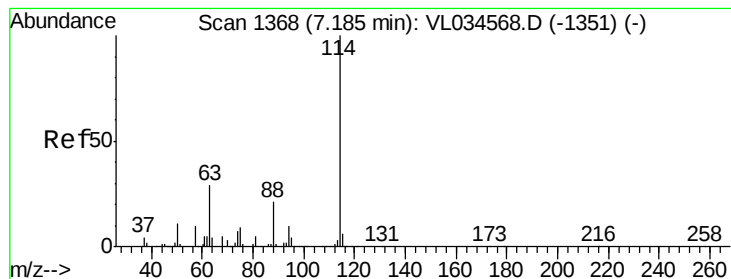


#32

1,1,1-Trichloroethane
 Concen: 8.634 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion: 97 Resp: 1950650
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.2
 61 52.9 43.0 64.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

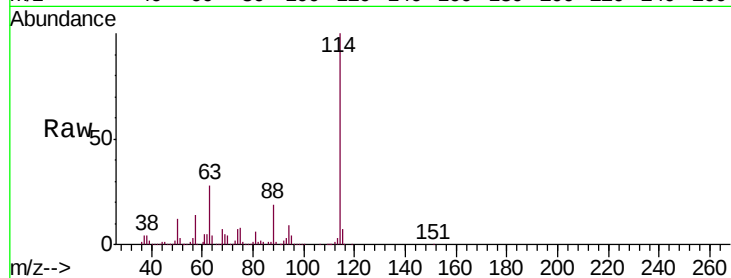
Tgt Ion:114 Resp: 2440872

Ion Ratio Lower Upper

114 100

63 29.5 24.1 36.1

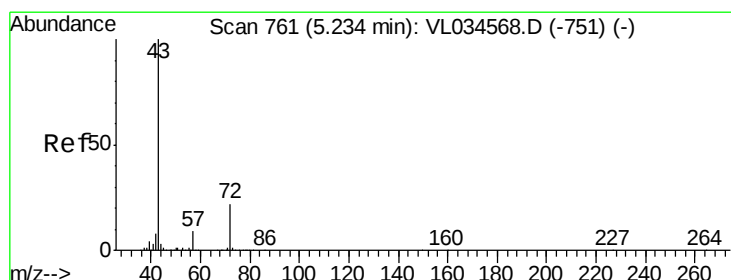
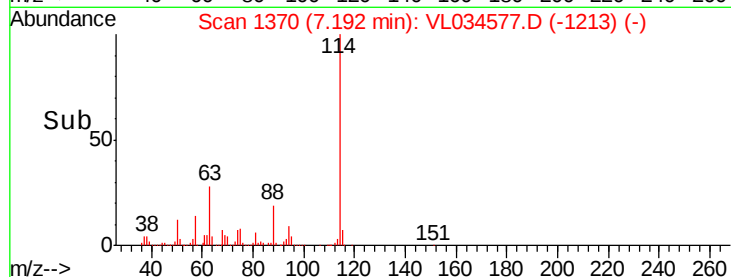
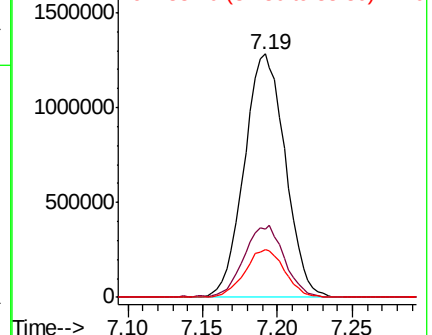
88 19.1 15.9 23.9



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: 8.912 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.00 min

Lab File: VL034577.D

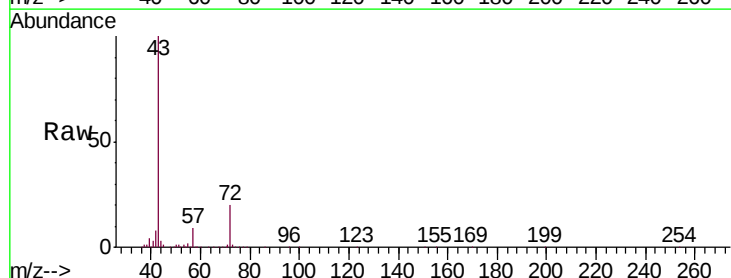
Acq: 4 Feb 2020 11:42

Tgt Ion: 43 Resp: 1579449

Ion Ratio Lower Upper

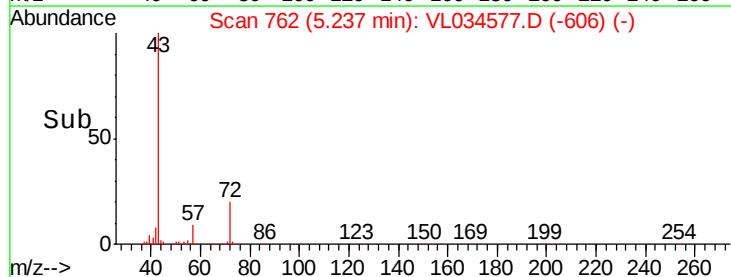
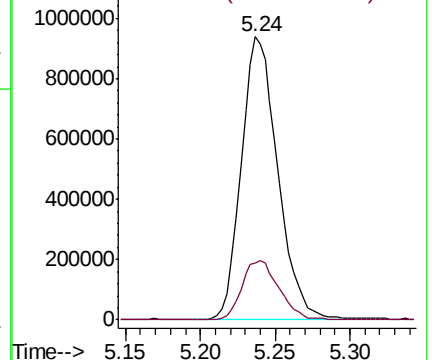
43 100

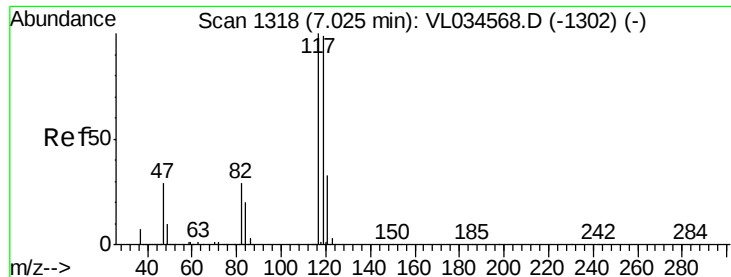
72 21.6 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.058 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

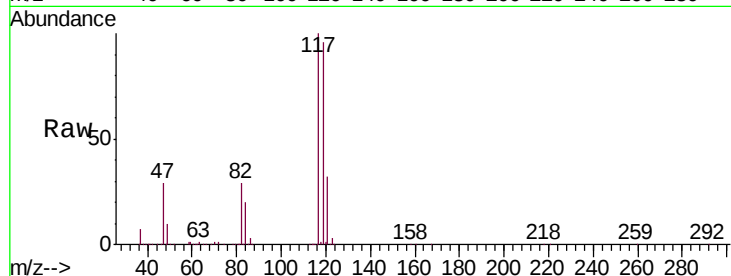
Tgt Ion:117 Resp: 2113666

Ion Ratio Lower Upper

117 100

119 96.1 79.5 119.3

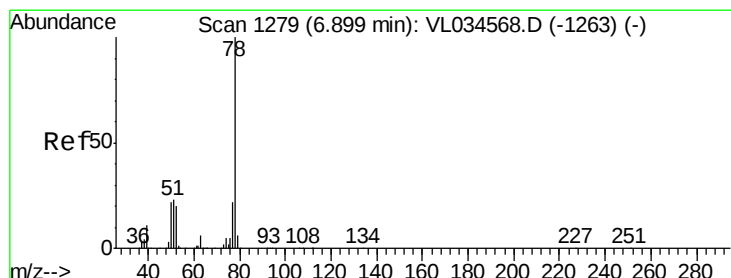
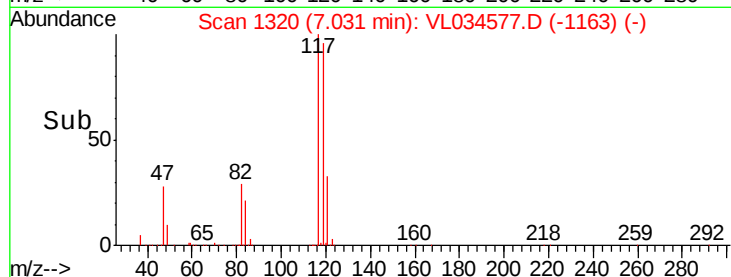
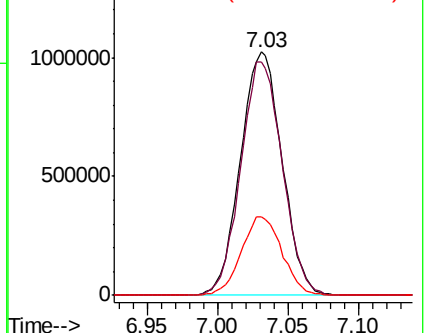
121 32.4 26.2 39.2



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: 9.451 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

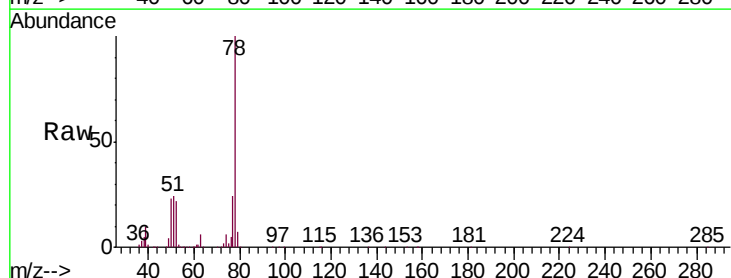
Tgt Ion: 78 Resp: 2051571

Ion Ratio Lower Upper

78 100

77 23.8 17.3 25.9

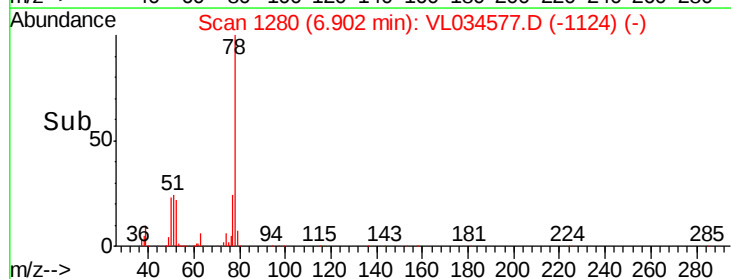
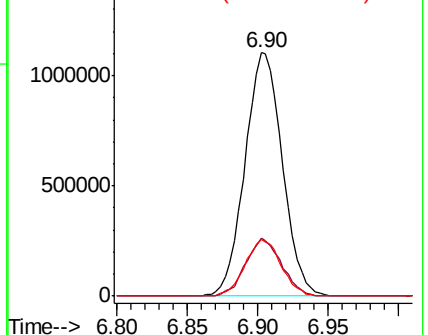
50 23.2 17.4 26.2

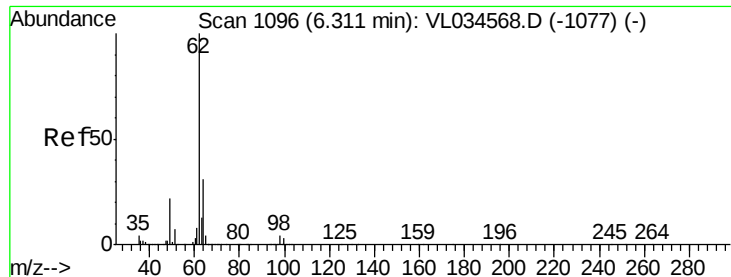


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

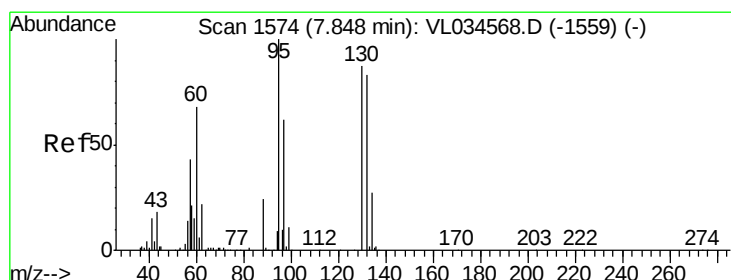
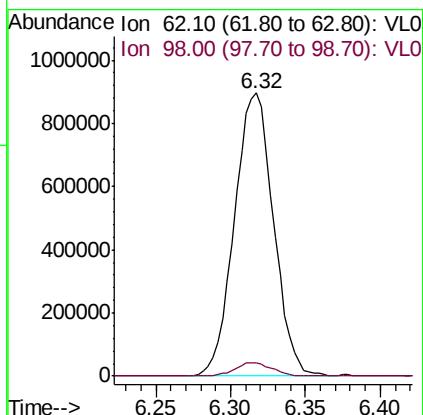
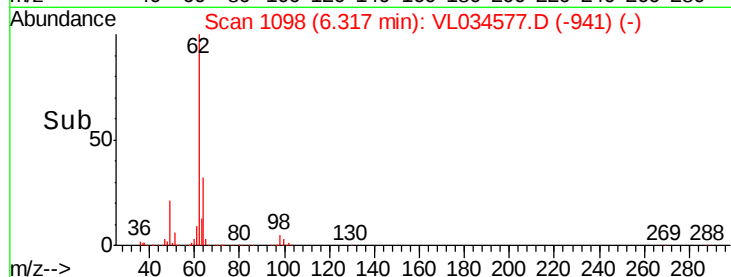
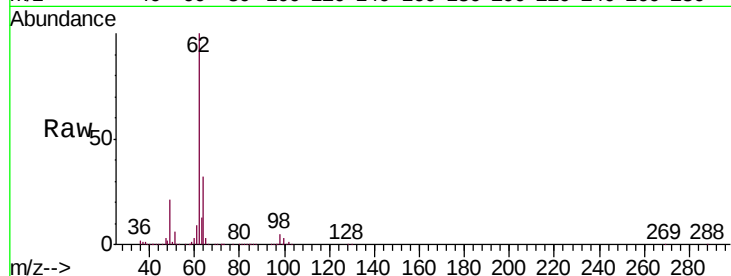




#37
 1,2-Dichloroethane
 Concen: 8.993 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

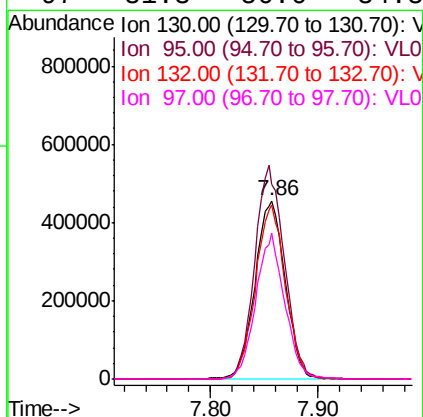
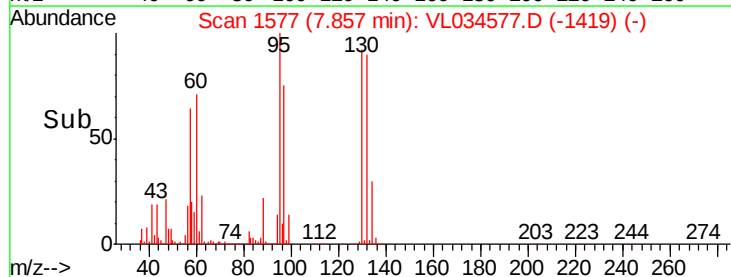
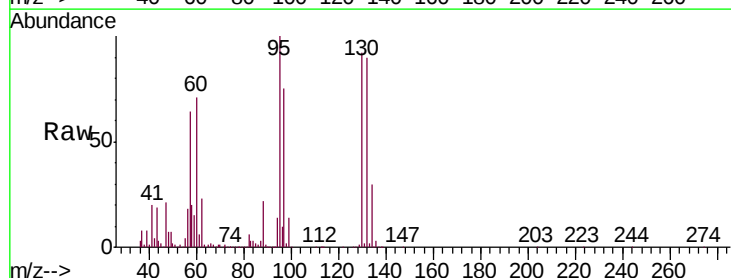
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

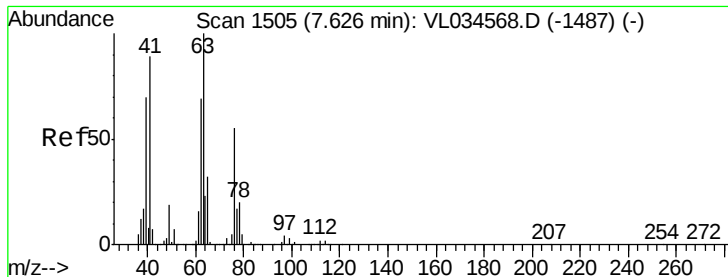
Tgt Ion: 62 Resp: 1628714
 Ion Ratio Lower Upper
 62 100
 98 4.6 3.7 5.5



#38
 Trichloroethene
 Concen: 9.708 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion: 130 Resp: 888269
 Ion Ratio Lower Upper
 130 100
 95 109.0 91.6 137.4
 132 97.8 76.1 114.1
 97 81.3 56.6 84.8

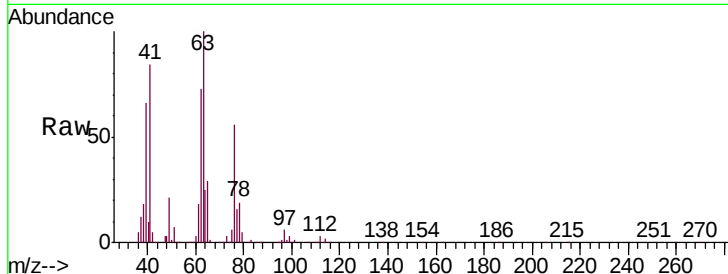




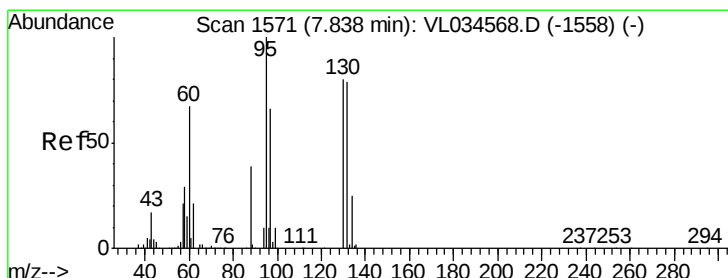
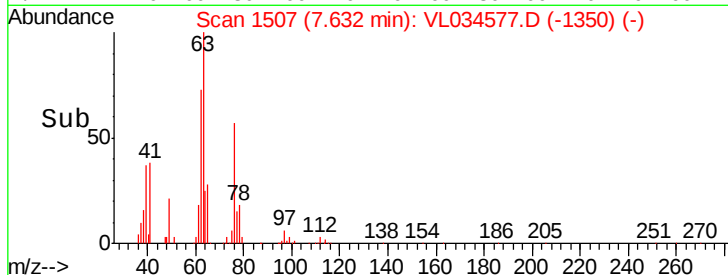
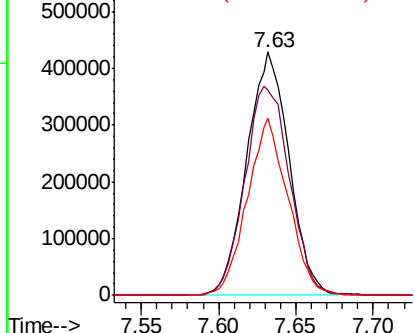
#39
 1,2-Dichloropropane
 Concen: 9.051 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 63 Resp: 814442
 Ion Ratio Lower Upper
 63 100
 41 84.1 71.0 106.4
 62 73.0 55.4 83.0

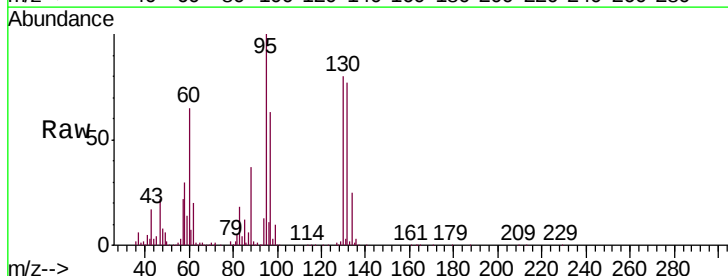


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

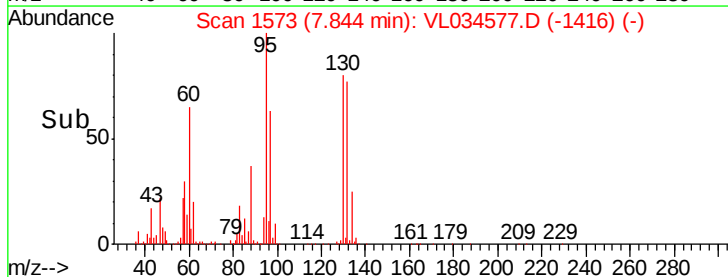
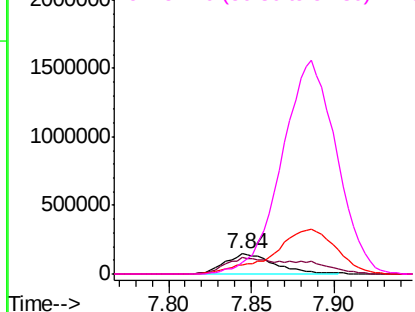


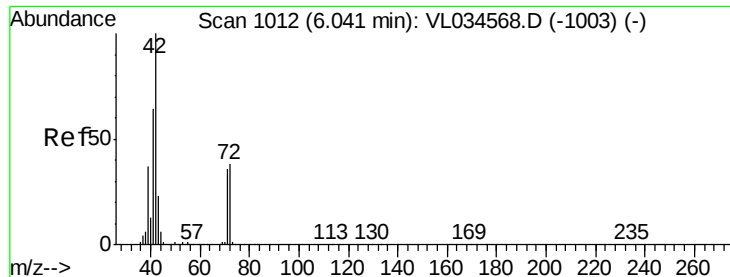
#40
 1,4-Dioxane
 Concen: 8.769 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion: 88 Resp: 303333
 Ion Ratio Lower Upper
 88 100
 58 135.0 107.8 161.8
 43 285.8 220.9 331.3
 57 1187.2 908.6 1363.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.357 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

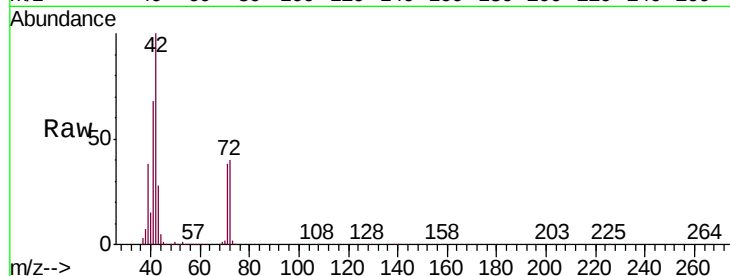
Tgt Ion: 42 Resp: 865153

Ion Ratio Lower Upper

42 100

72 39.8 31.8 47.8

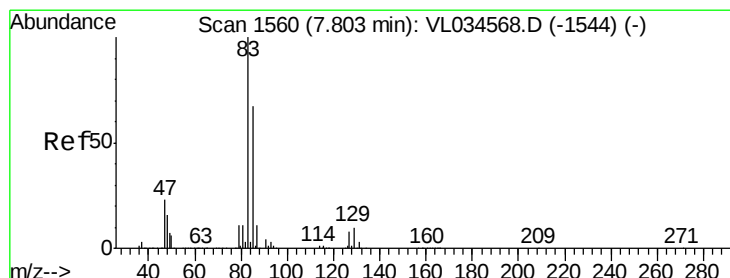
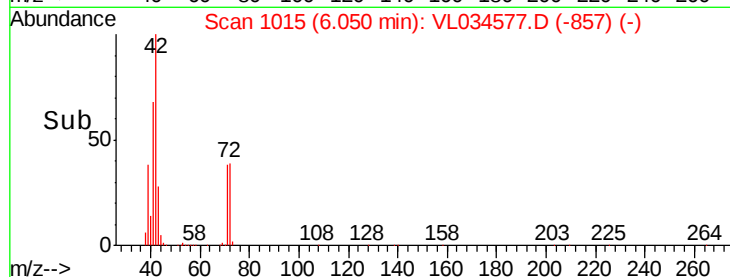
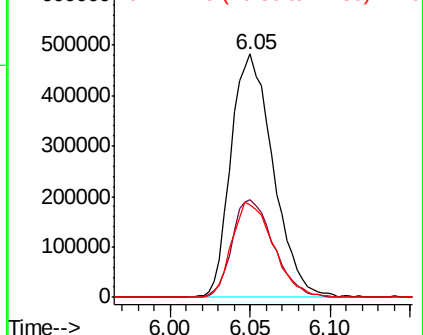
71 38.8 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.321 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

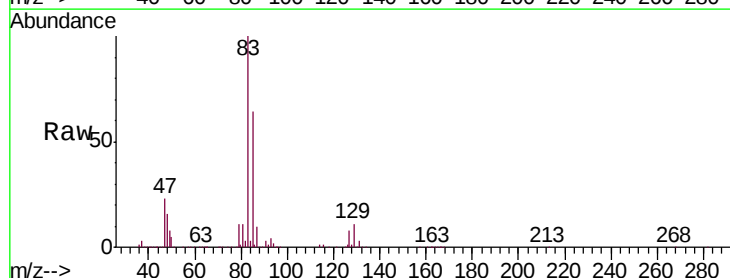
Tgt Ion: 83 Resp: 2077654

Ion Ratio Lower Upper

83 100

85 64.3 53.2 79.8

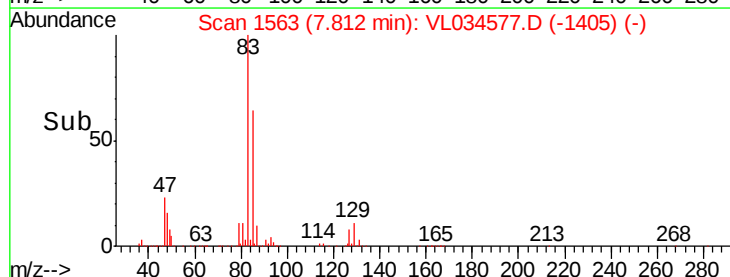
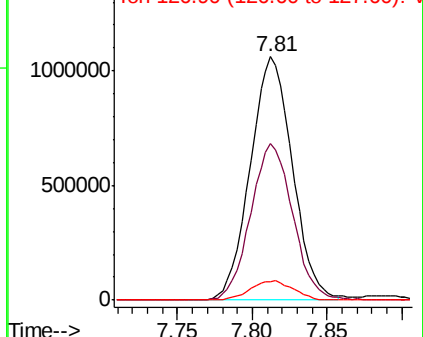
127 7.6 6.5 9.7

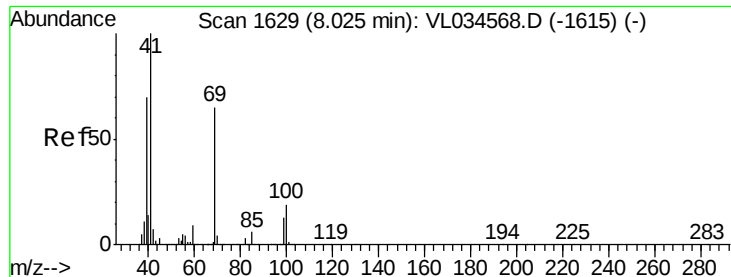


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

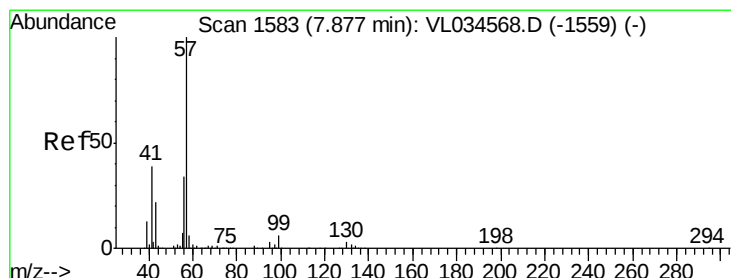
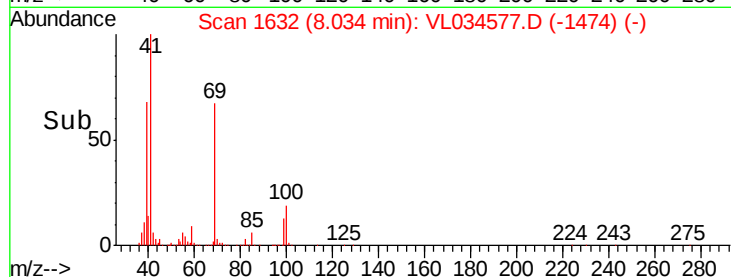
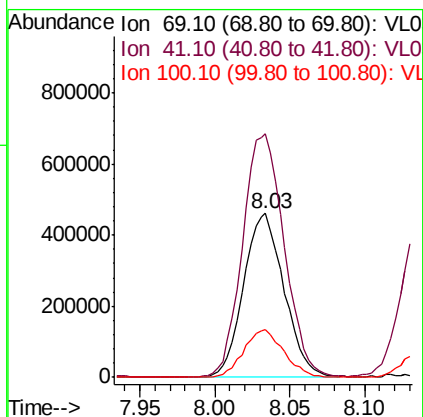
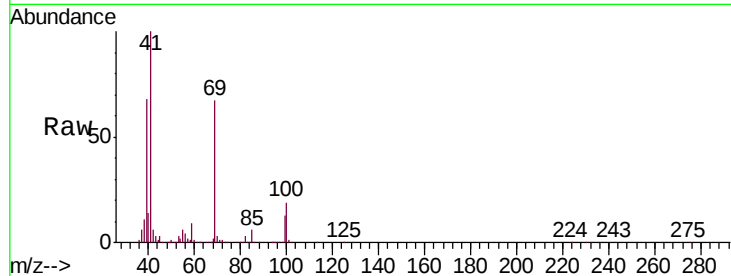




#43
Methyl Methacrylate
Concen: 9.899 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

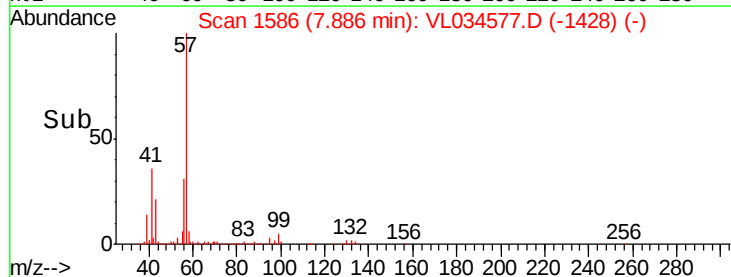
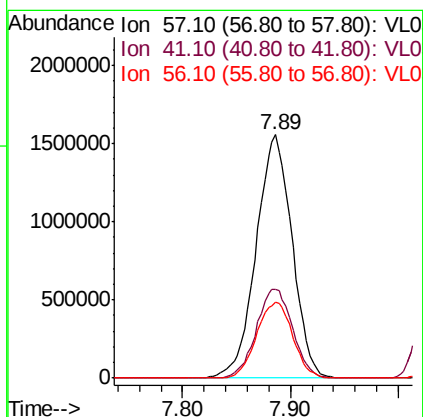
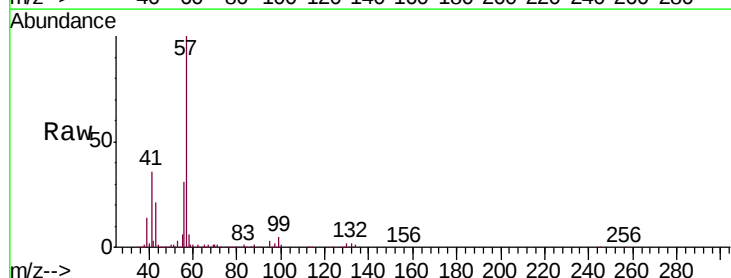
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

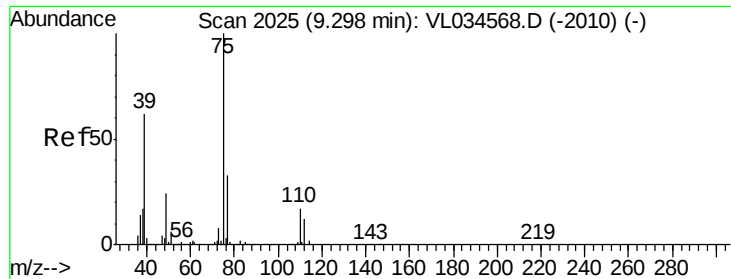
Tgt Ion: 69 Resp: 864272
Ion Ratio Lower Upper
69 100
41 153.1 123.9 185.9
100 28.9 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.133 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 57 Resp: 3596743
Ion Ratio Lower Upper
57 100
41 37.0 28.9 43.3
56 31.4 25.5 38.3

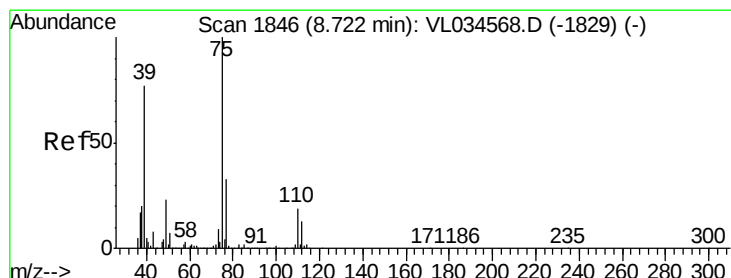
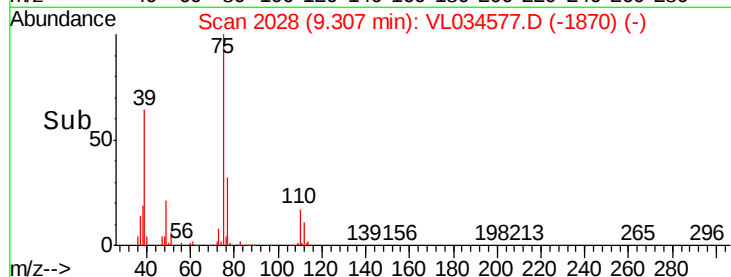
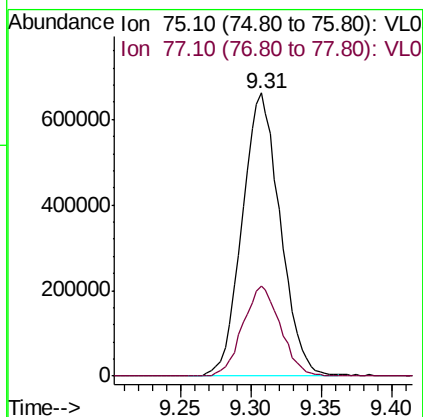
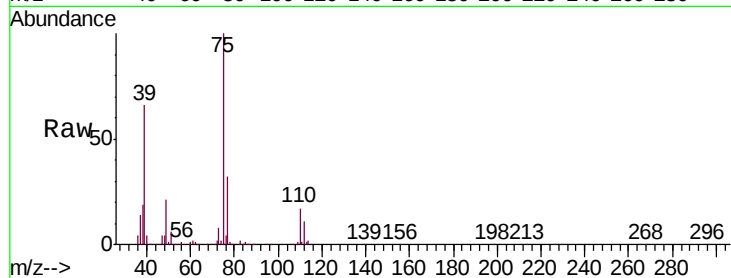




#45
t-1,3-Dichloropropene
Concen: 10.939 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

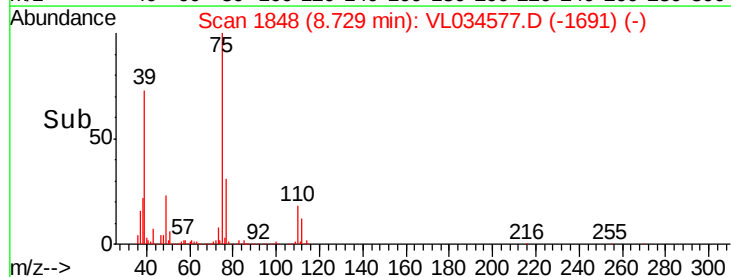
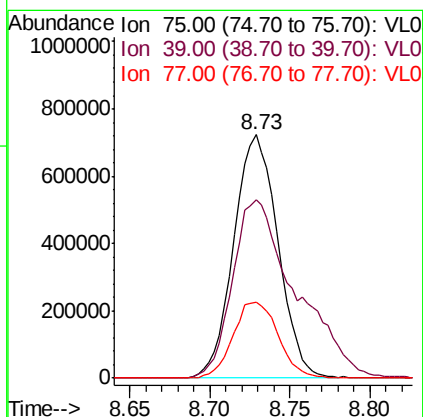
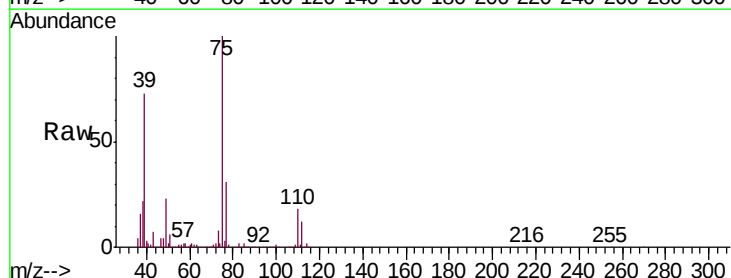
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

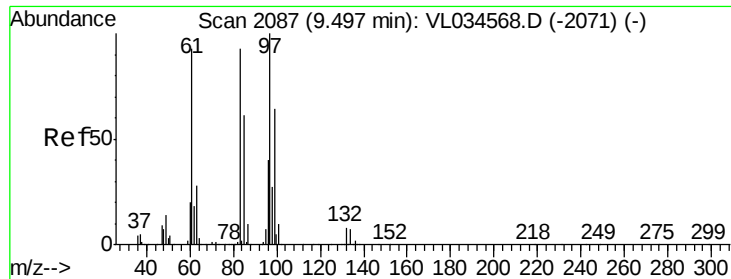
Tgt Ion: 75 Resp: 1250500
Ion Ratio Lower Upper
75 100
77 32.0 26.7 40.1



#46
cis-1,3-Dichloropropene
Concen: 10.441 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 75 Resp: 1356656
Ion Ratio Lower Upper
75 100
39 72.9 61.9 92.9
77 31.4 26.1 39.1

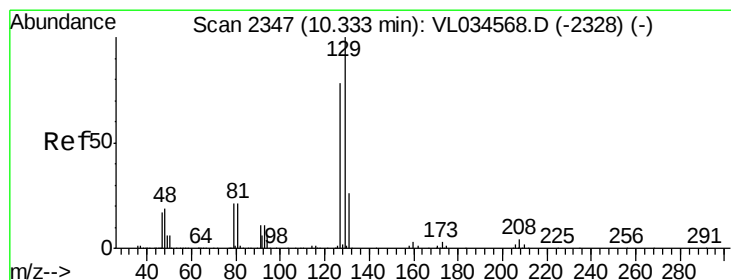
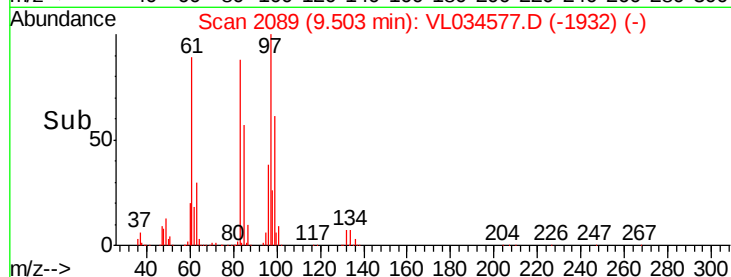
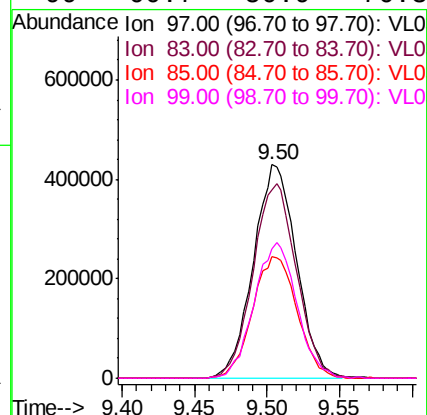
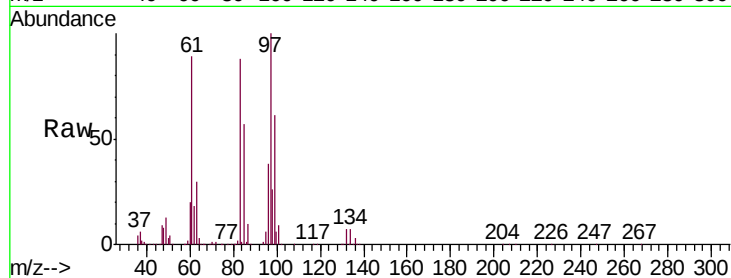




#47
 1,1,2-Trichloroethane
 Concen: 9.130 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

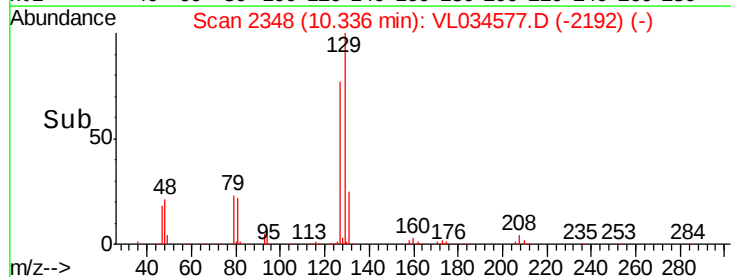
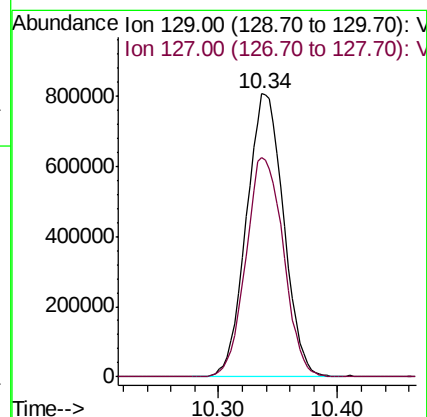
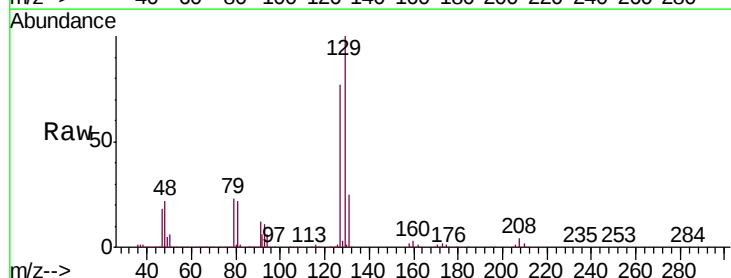
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

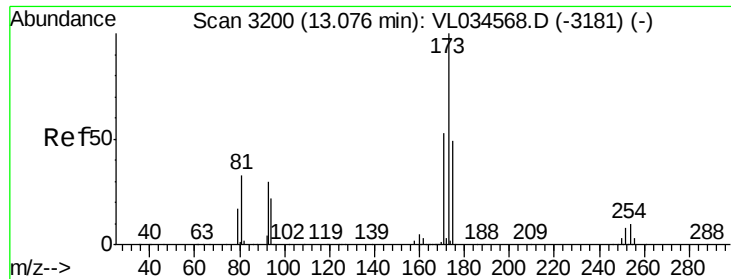
Tgt Ion:	97	Resp:	889790
Ion	Ratio	Lower	Upper
97	100		
83	87.8	74.4	111.6
85	56.8	49.2	73.8
99	60.7	50.9	76.3



#48
 Dibromochloromethane
 Concen: 9.746 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion:	129	Resp:	1740558
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2





#49

Bromoform

Concen: 10.045 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

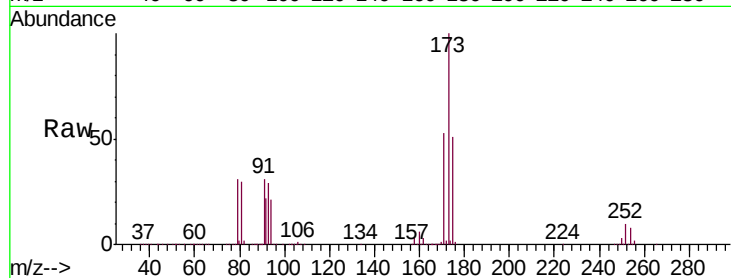
Tgt Ion:173 Resp: 1575119

Ion Ratio Lower Upper

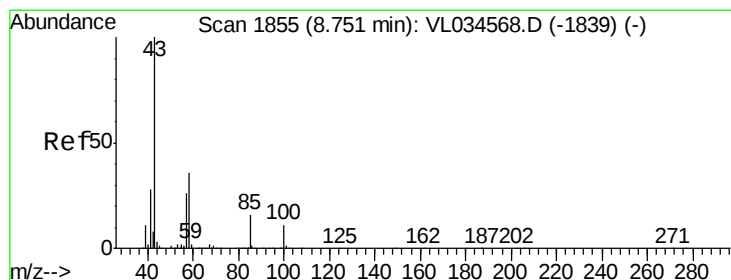
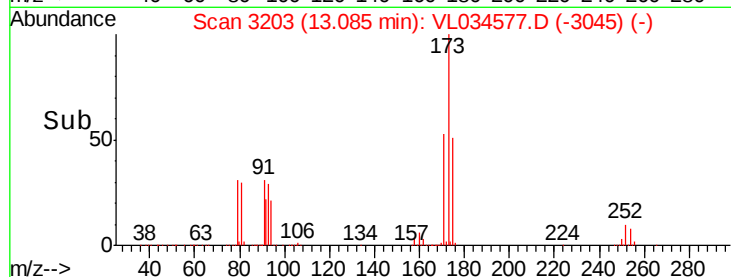
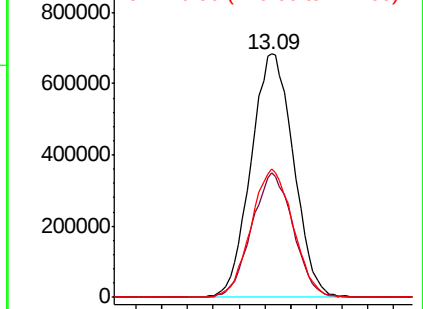
173 100

175 49.8 39.7 59.5

171 52.2 41.6 62.4



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: 9.352 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034577.D

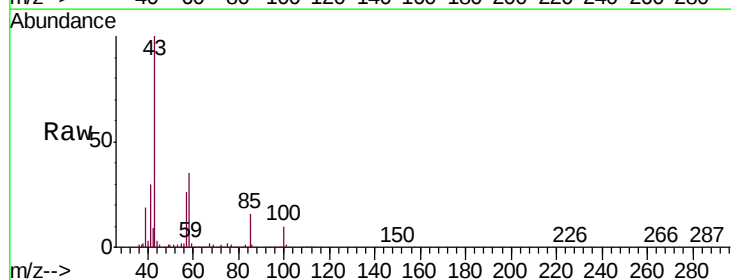
Acq: 4 Feb 2020 11:42

Tgt Ion: 43 Resp: 2363558

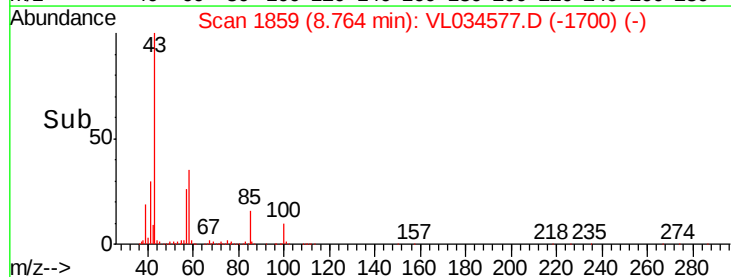
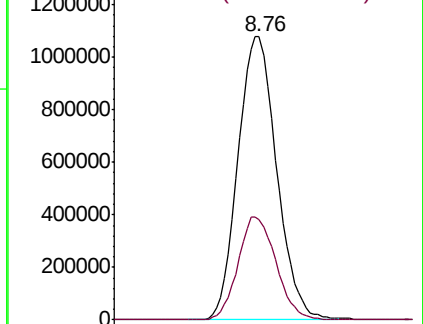
Ion Ratio Lower Upper

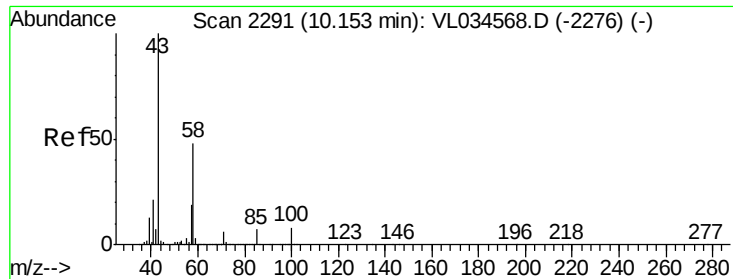
43 100

58 35.7 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

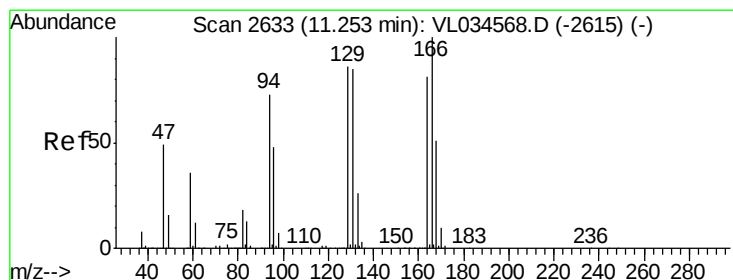
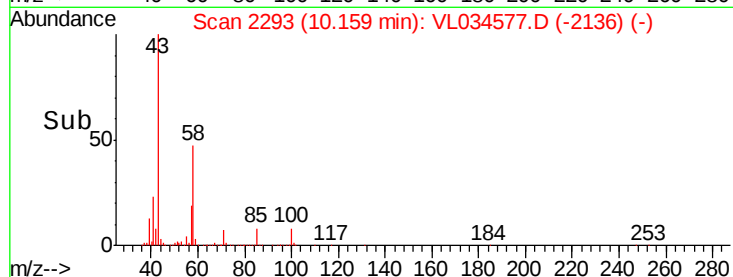
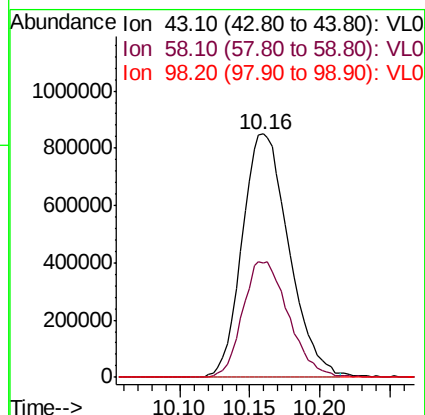
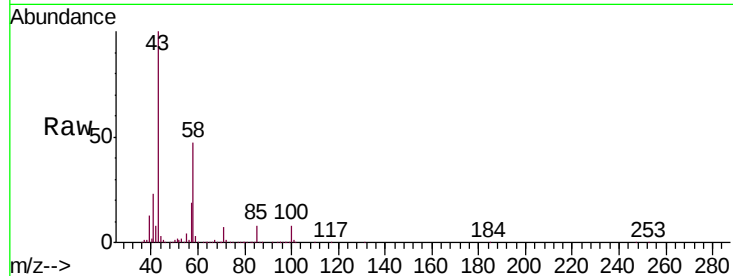




#51
2-Hexanone
Concen: 9.884 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

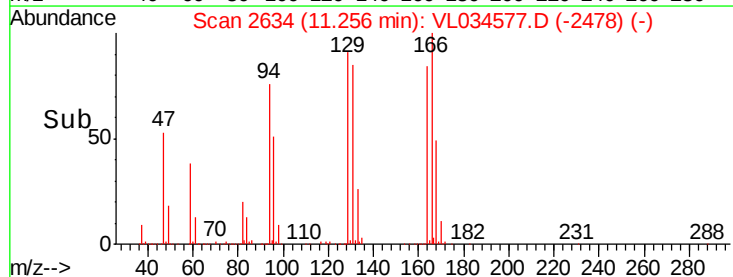
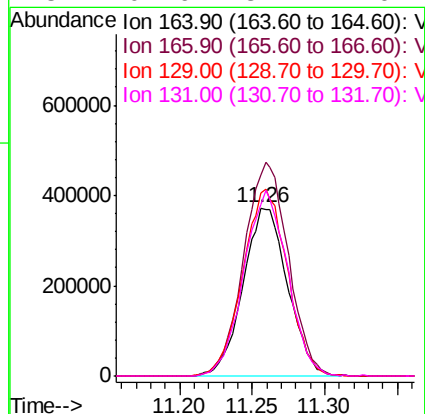
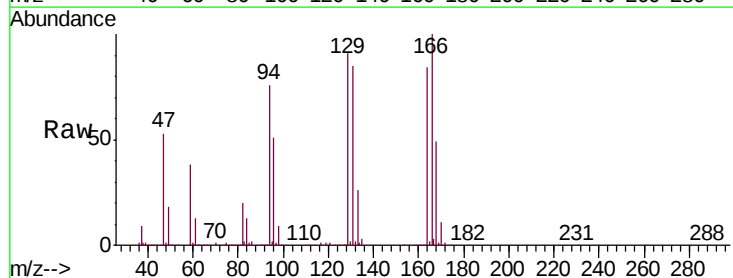
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

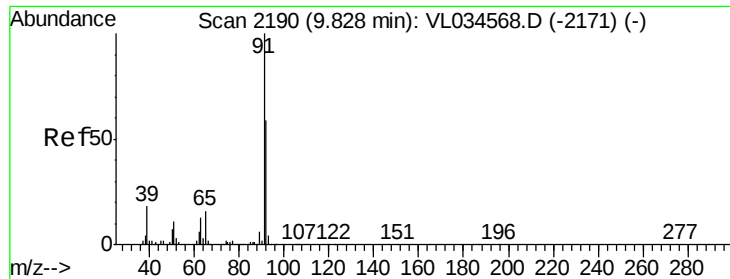
Tgt Ion: 43 Resp: 1966600
Ion Ratio Lower Upper
43 100
58 46.7 37.9 56.9
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.117 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 164 Resp: 794974
Ion Ratio Lower Upper
164 100
166 119.3 99.0 148.4
129 109.0 85.3 127.9
131 101.6 84.2 126.2





#53

Toluene

Concen: 9.937 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

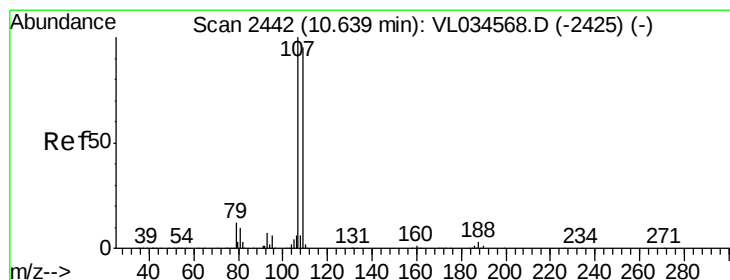
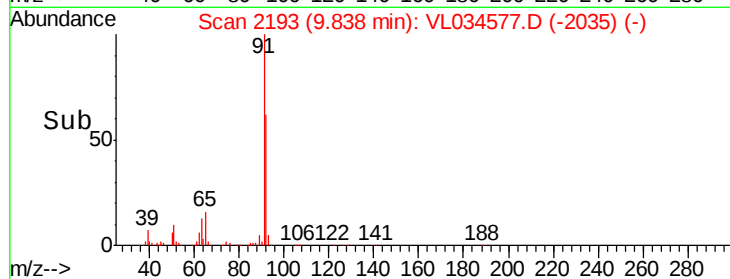
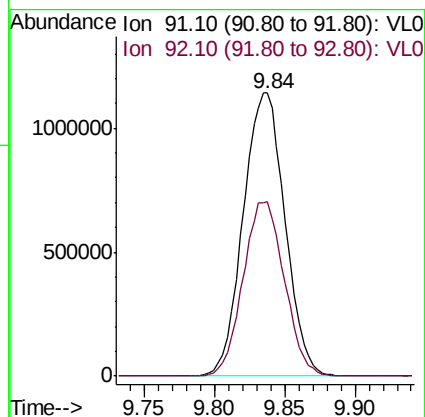
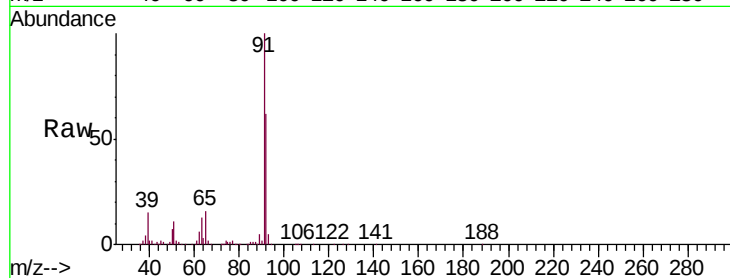
VSTDCCC010

Tgt Ion: 91 Resp: 2369569

Ion Ratio Lower Upper

91 100

92 61.1 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.252 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL034577.D

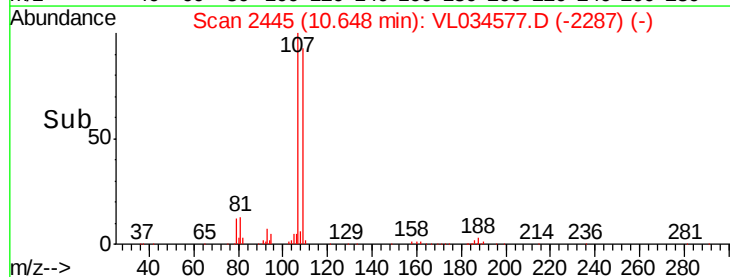
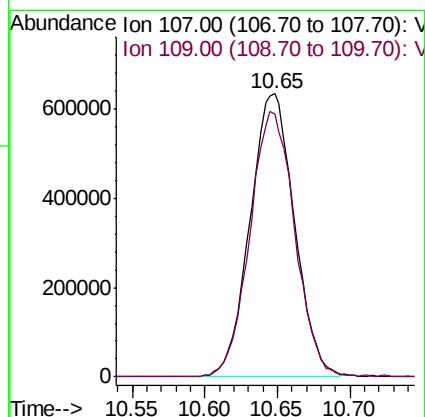
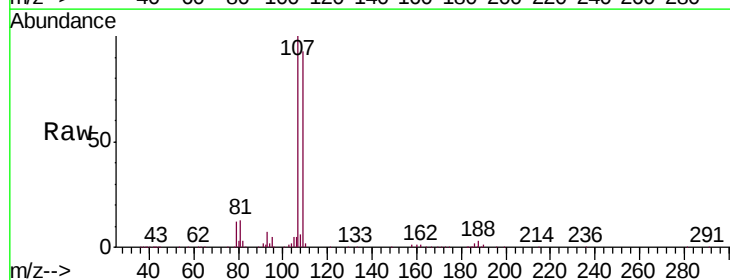
Acq: 4 Feb 2020 11:42

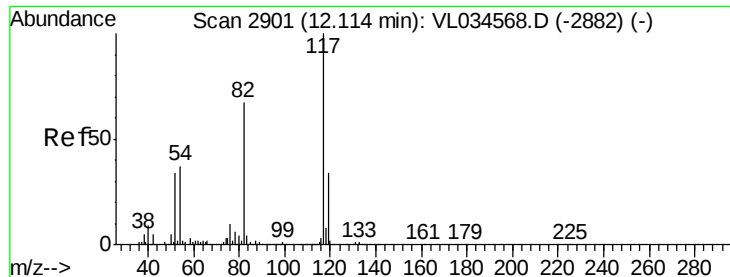
Tgt Ion: 107 Resp: 1351331

Ion Ratio Lower Upper

107 100

109 92.9 75.9 113.9

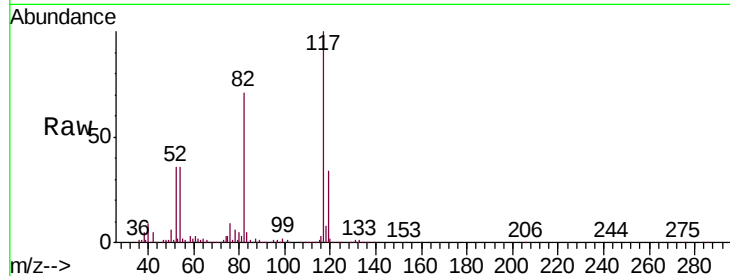




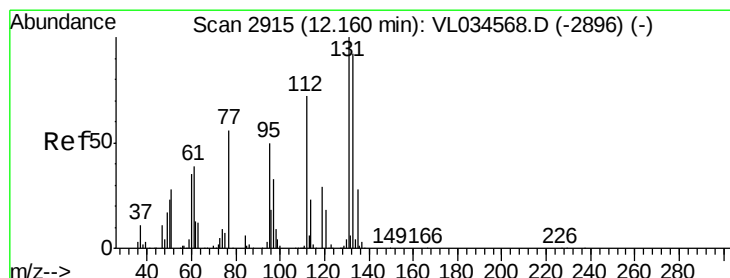
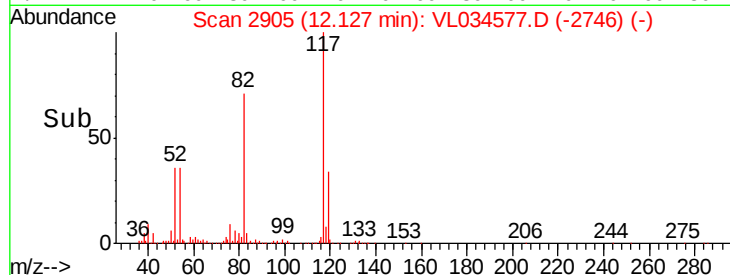
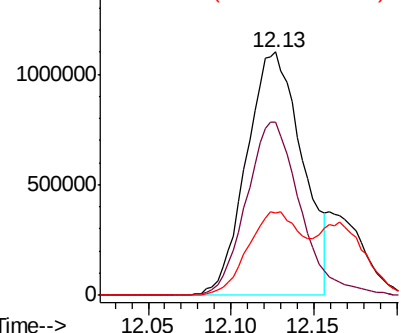
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2582395
Ion Ratio Lower Upper
117 100
82 69.2 54.2 81.4
119 32.3 26.1 39.1

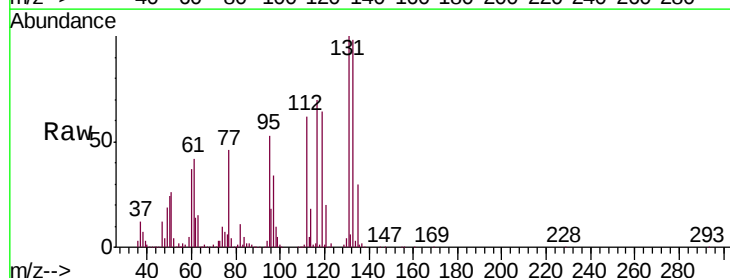


Abundance Ion 117.10 (116.80 to 117.80): V
1500000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

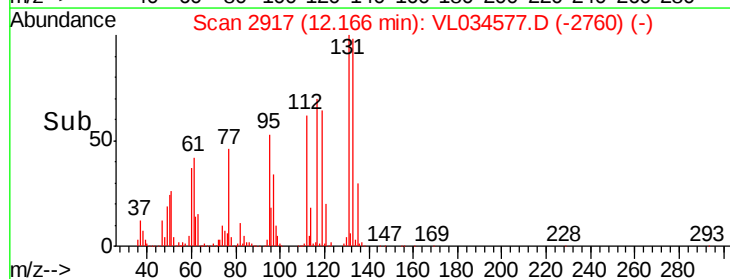
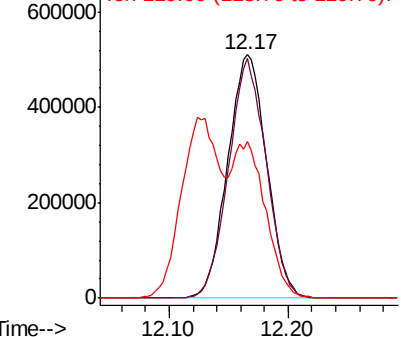


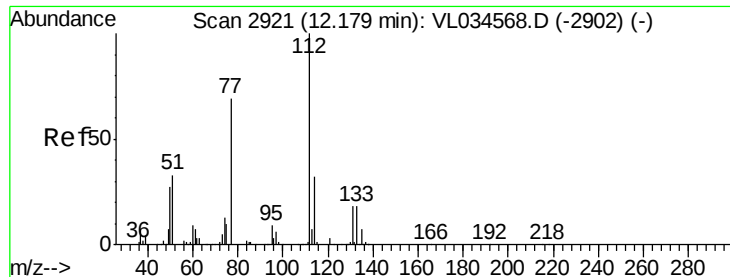
#56
1,1,1,2-Tetrachloroethane
Concen: 9.062 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion:131 Resp: 1155330
Ion Ratio Lower Upper
131 100
133 95.2 75.8 113.8
119 130.5 47.0 70.6#



Abundance Ion 131.00 (130.70 to 131.70): V
600000
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.910 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

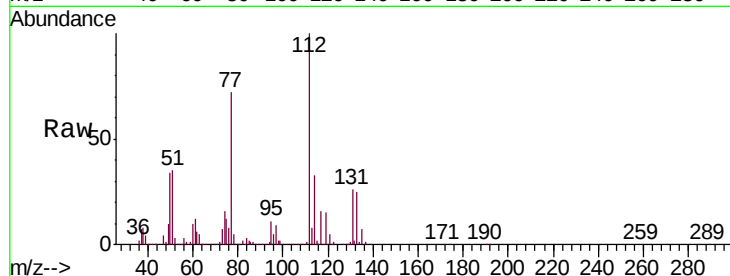
Tgt Ion:112 Resp: 1893382

Ion Ratio Lower Upper

112 100

77 71.6 56.5 84.7

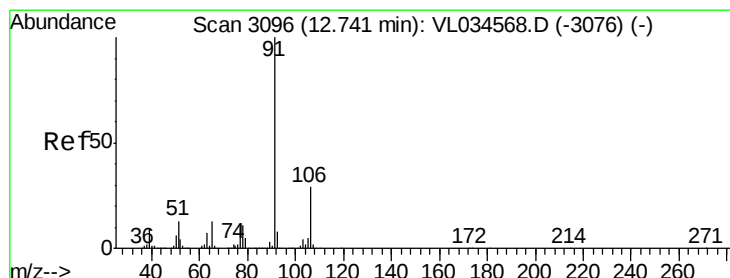
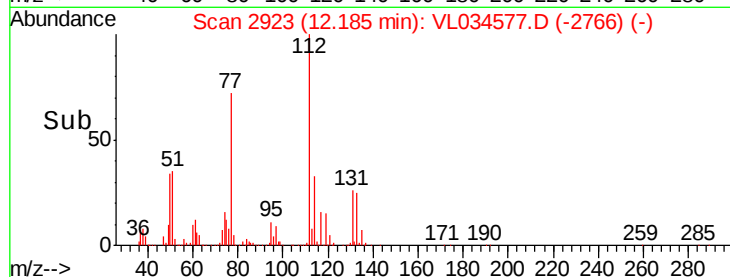
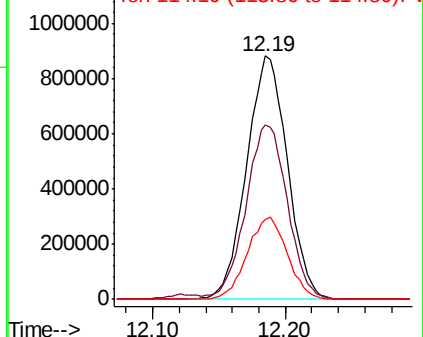
114 32.8 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.544 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.01 min

Lab File: VL034577.D

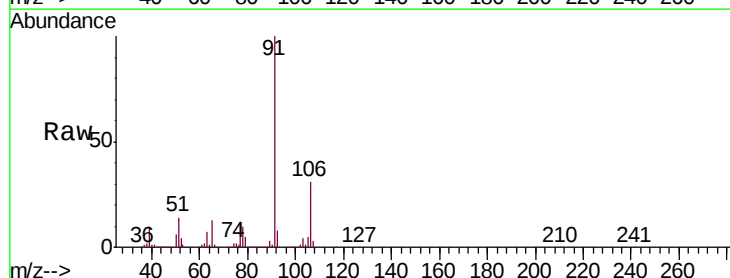
Acq: 4 Feb 2020 11:42

Tgt Ion: 91 Resp: 3297913

Ion Ratio Lower Upper

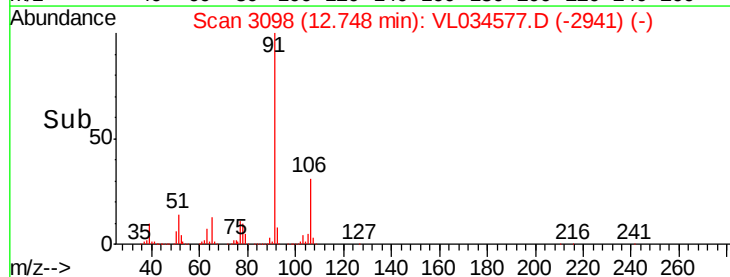
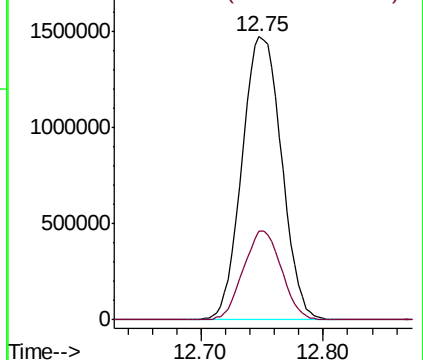
91 100

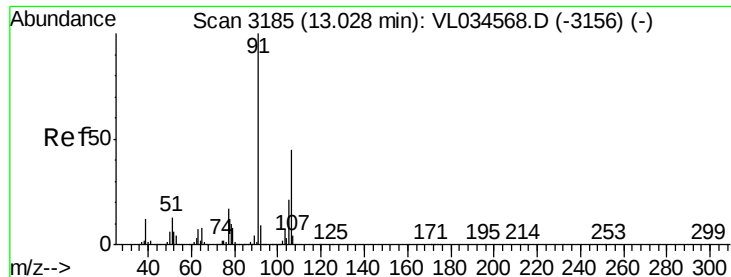
106 31.4 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.363 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

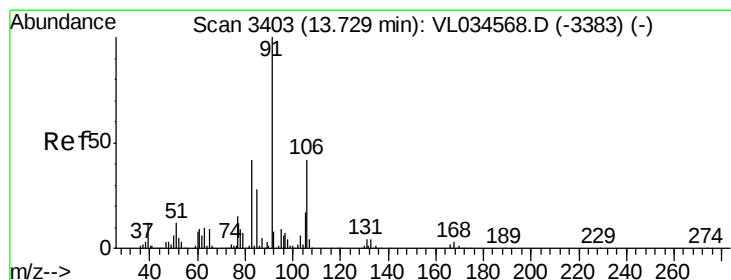
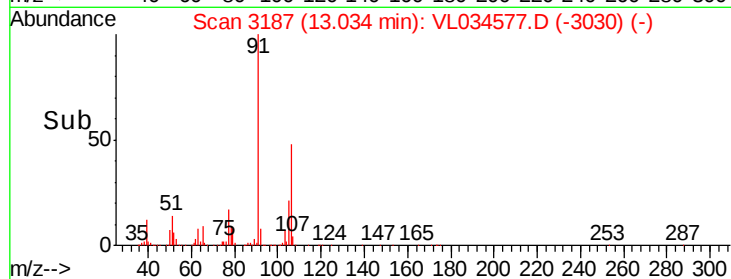
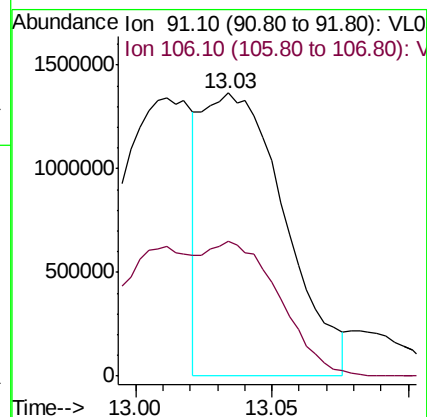
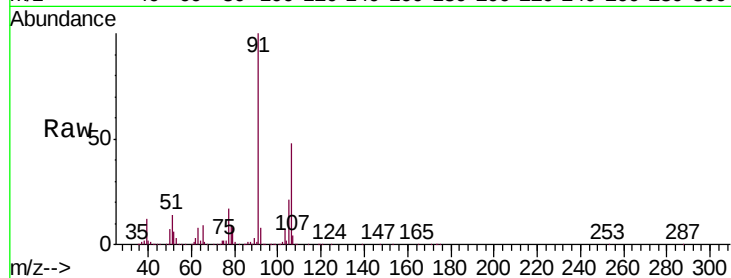
VSTDCCC010

Tgt Ion: 91 Resp: 2860236

Ion Ratio Lower Upper

91 100

106 86.6 35.3 52.9#



#60

o-Xylene

Concen: 9.262 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VL034577.D

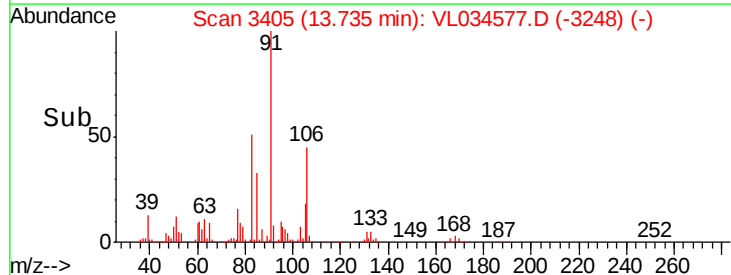
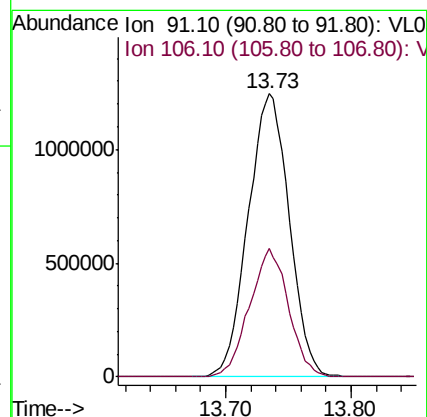
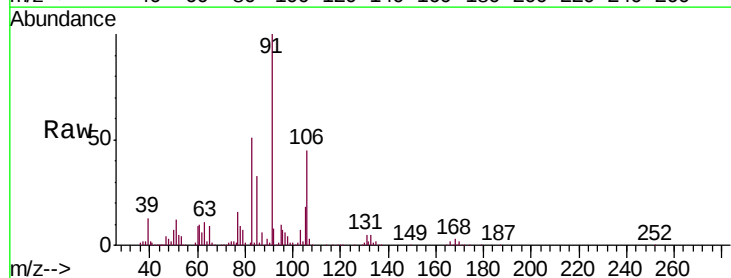
Acq: 4 Feb 2020 11:42

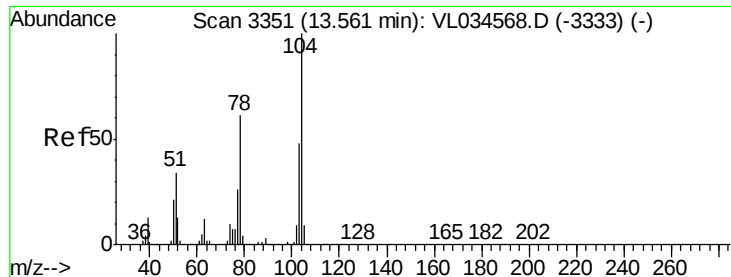
Tgt Ion: 91 Resp: 2841316

Ion Ratio Lower Upper

91 100

106 42.9 21.6 65.0

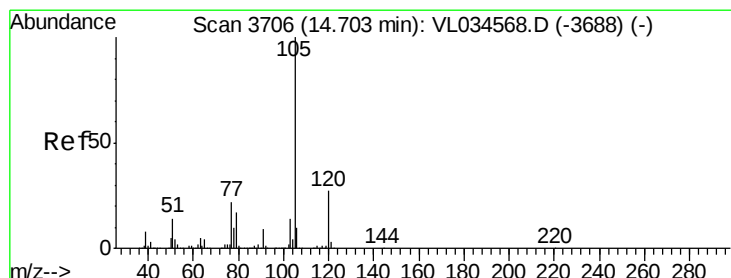
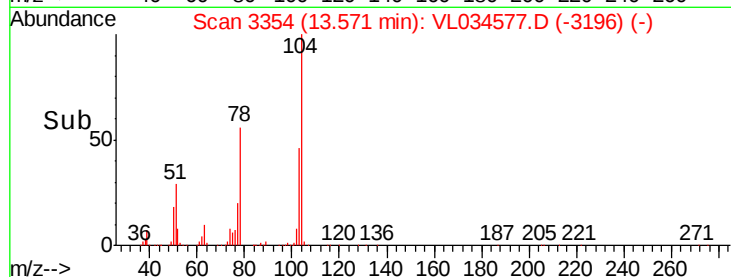
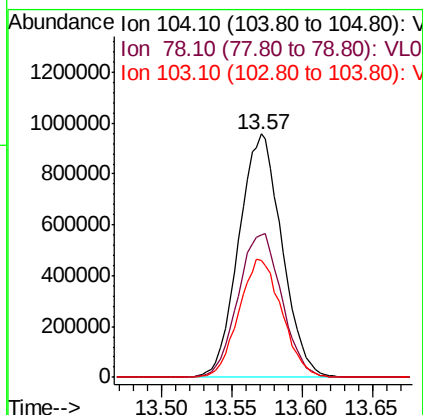
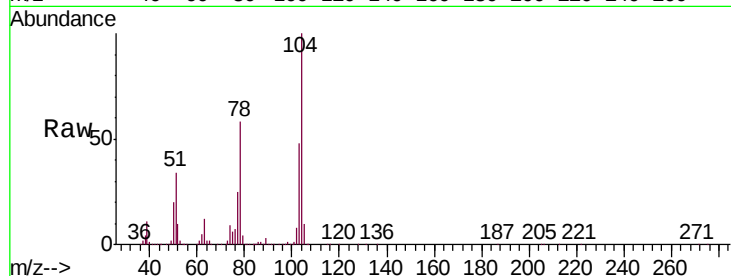




#61
Styrene
Concen: 9.965 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

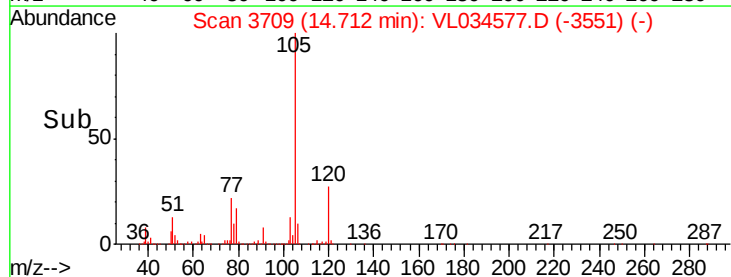
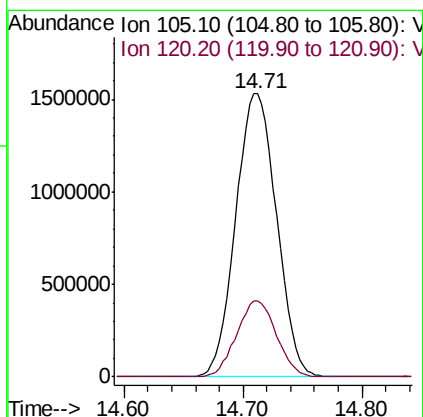
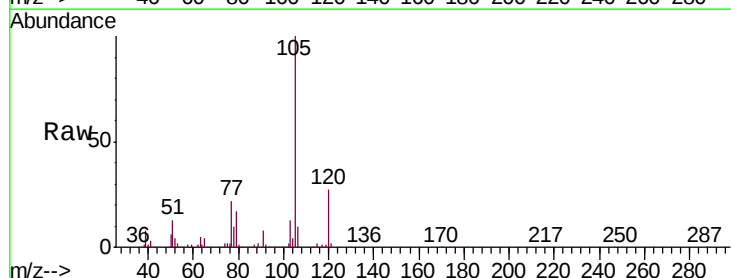
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

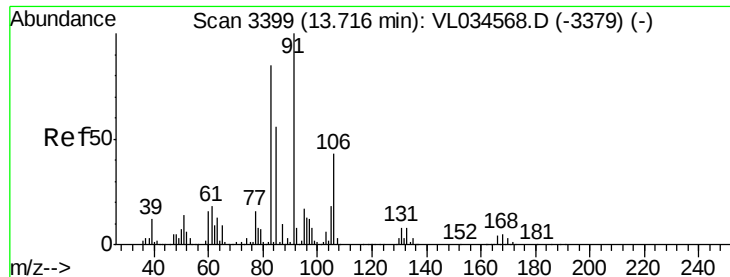
Tgt Ion:104 Resp: 2038360
Ion Ratio Lower Upper
104 100
78 60.3 47.0 70.6
103 48.8 38.5 57.7



#62
Isopropylbenzene
Concen: 9.127 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion:105 Resp: 3628366
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.315 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

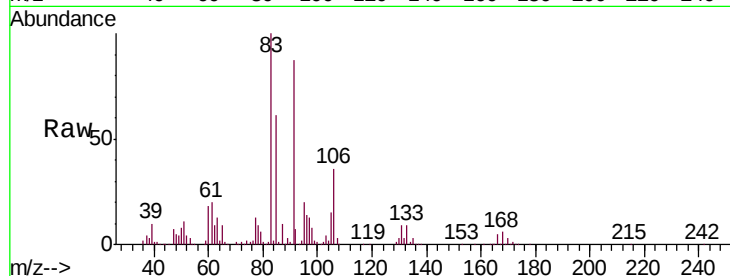
Tgt Ion: 83 Resp: 1972908

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

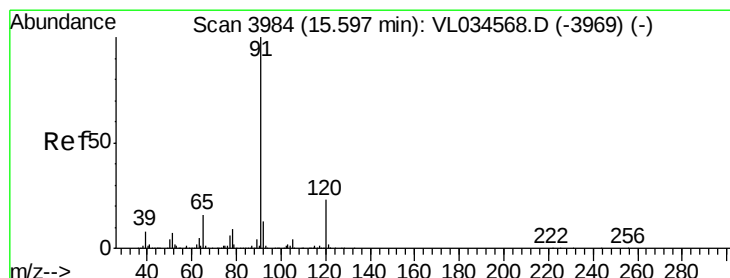
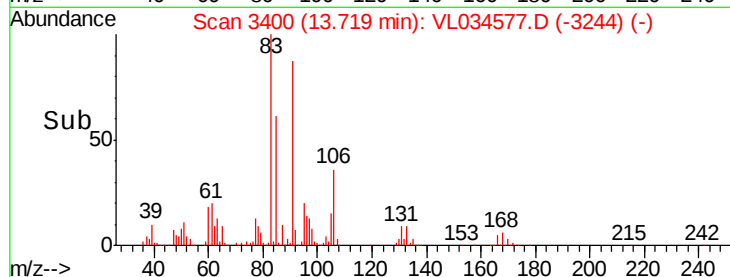
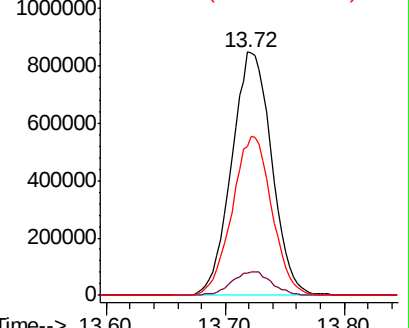
85 65.0 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.333 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VL034577.D

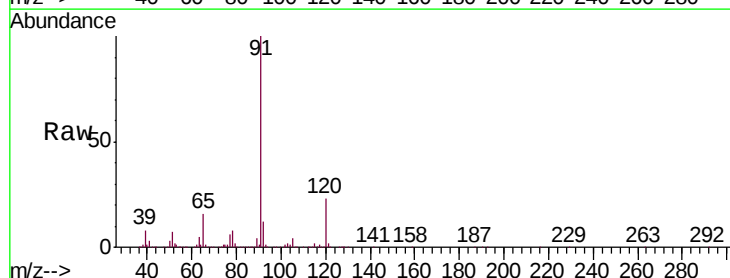
Acq: 4 Feb 2020 11:42

Tgt Ion: 120 Resp: 954517

Ion Ratio Lower Upper

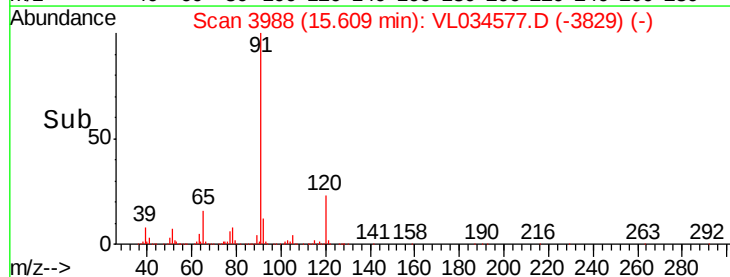
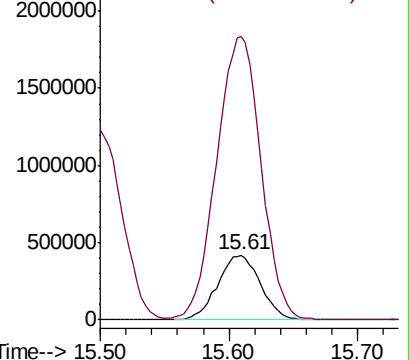
120 100

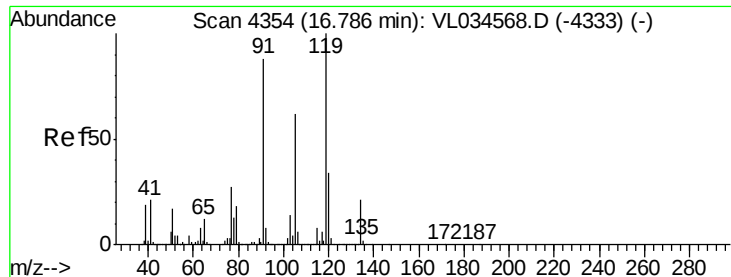
91 458.2 365.3 547.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.141 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

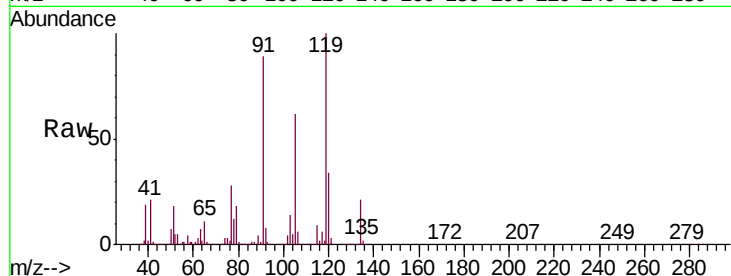
Tgt Ion: 119 Resp: 3292403

Ion Ratio Lower Upper

119 100

91 89.8 72.2 108.4

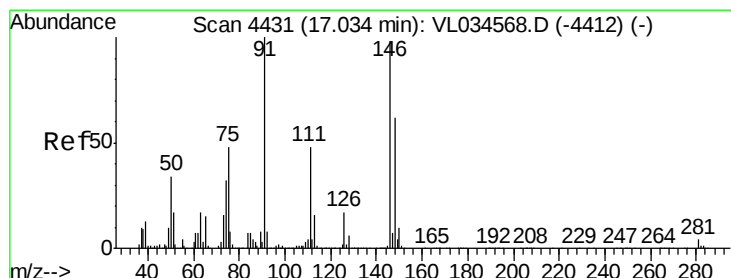
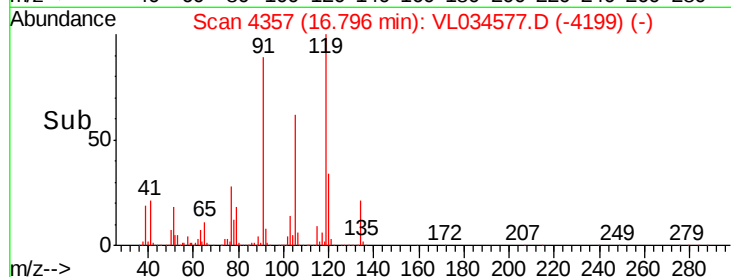
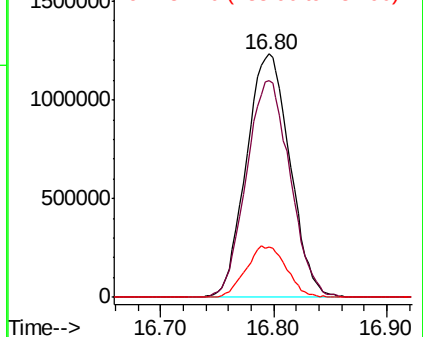
134 19.7 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.743 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

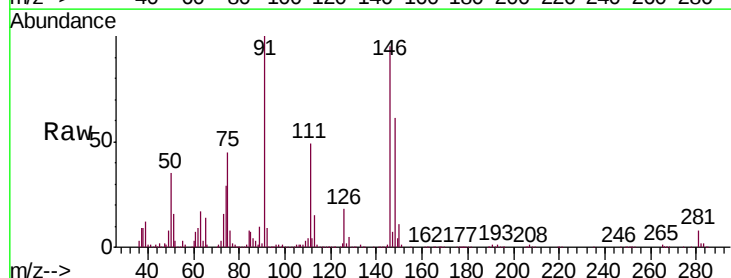
Tgt Ion: 91 Resp: 1622484

Ion Ratio Lower Upper

91 100

126 17.0 13.4 20.0

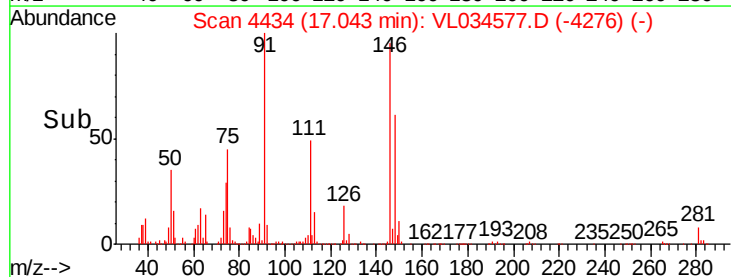
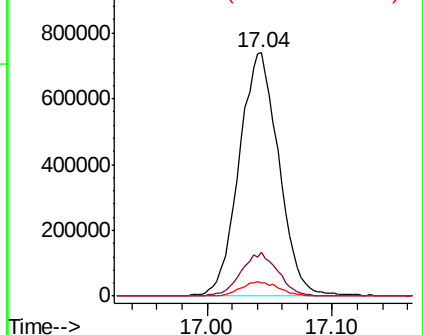
128 5.6 4.3 6.5

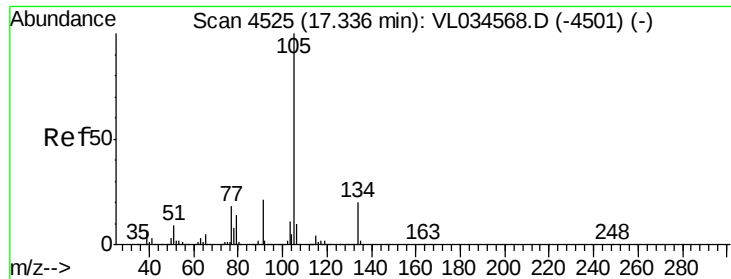


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

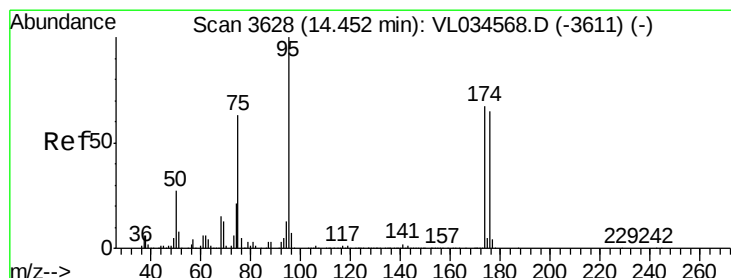
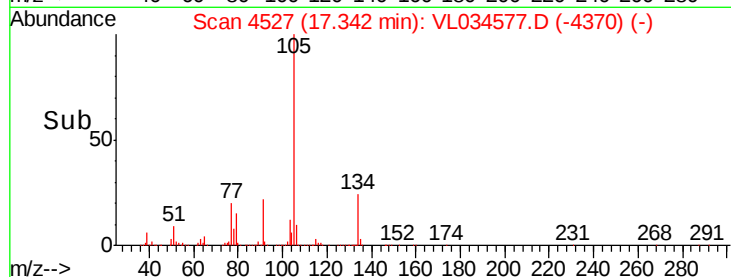
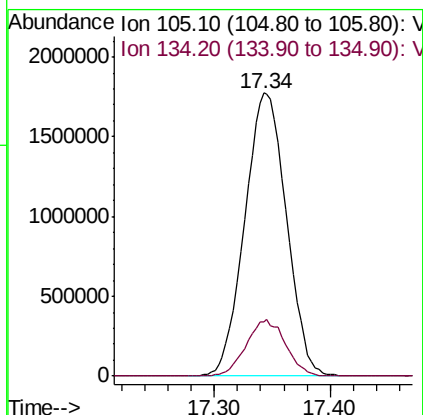
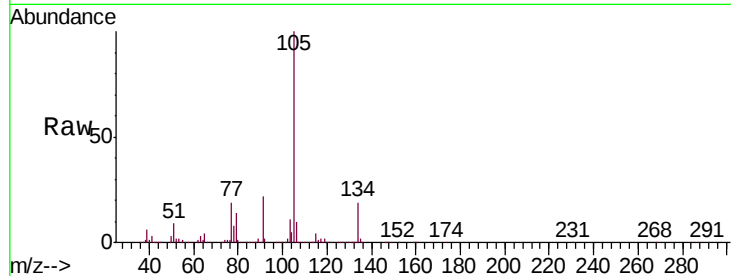




#67
 sec-Butylbenzene
 Concen: 8.953 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

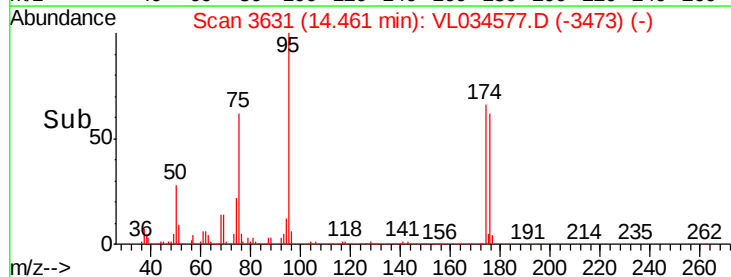
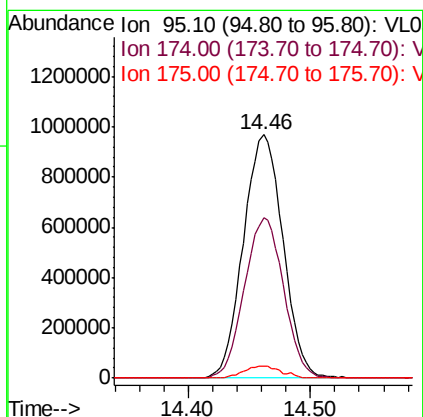
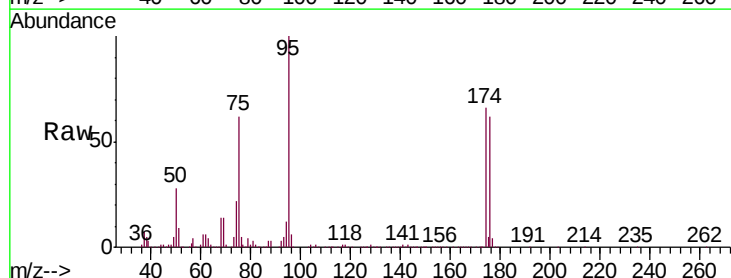
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

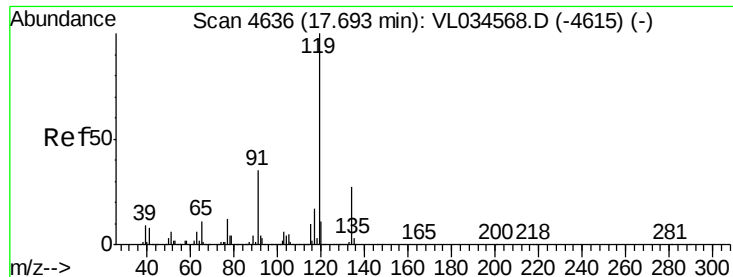
Tgt Ion: 105 Resp: 4431319
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.947 ppbv
 RT: 14.46 min Scan# 3631
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion: 95 Resp: 2170845
 Ion Ratio Lower Upper
 95 100
 174 65.4 52.3 78.5
 175 4.8 3.8 5.6

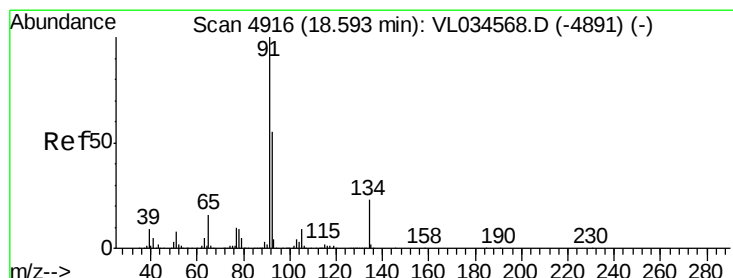
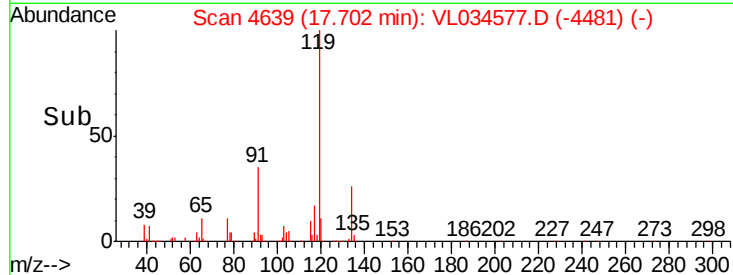
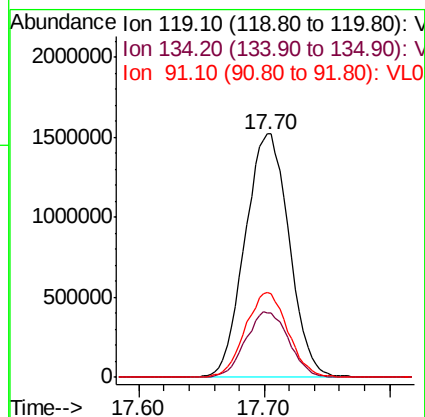
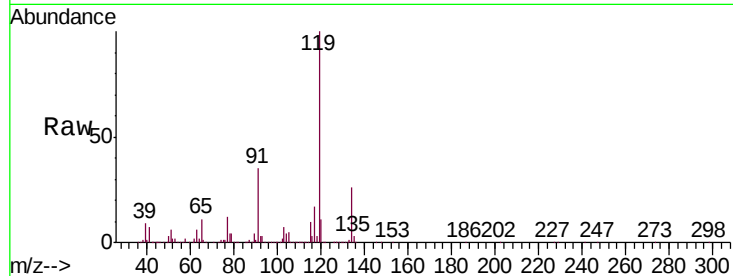




#69
p-Isopropyltoluene
Concen: 9.238 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

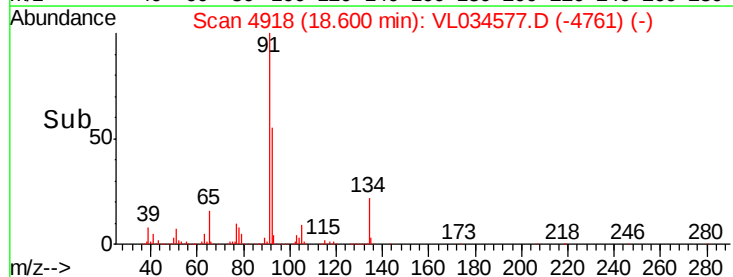
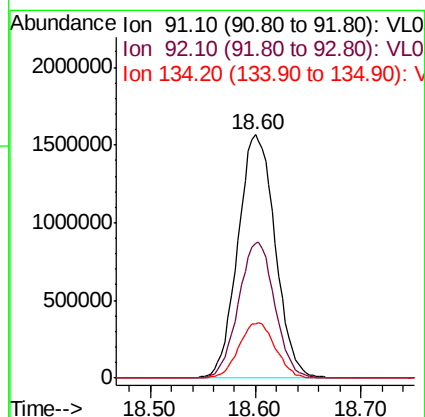
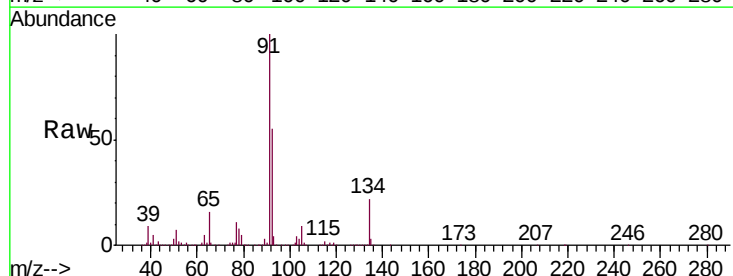
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

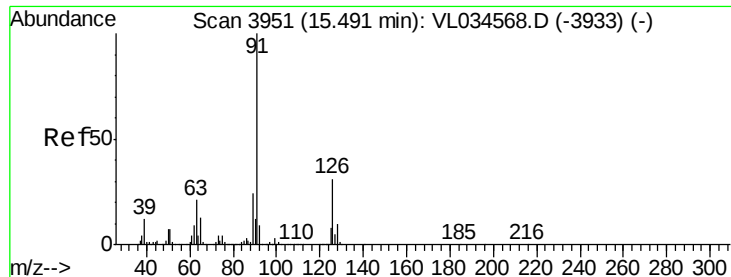
Tgt Ion: 119 Resp: 3712895
Ion Ratio Lower Upper
119 100
134 26.4 20.7 31.1
91 33.9 26.9 40.3



#70
n-Butylbenzene
Concen: 8.986 ppbv
RT: 18.60 min Scan# 4918
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 91 Resp: 3833530
Ion Ratio Lower Upper
91 100
92 54.6 43.6 65.4
134 22.5 18.2 27.4

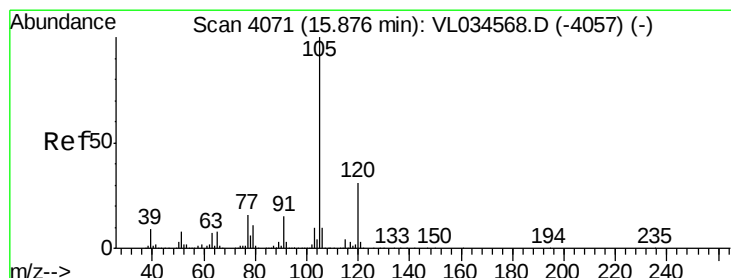
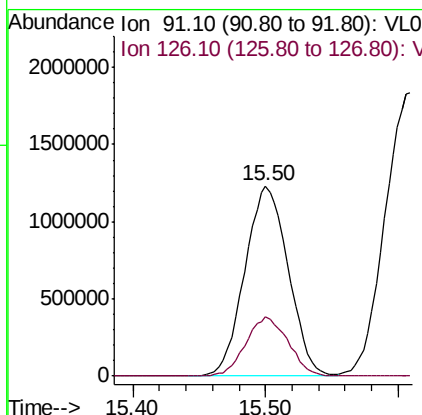
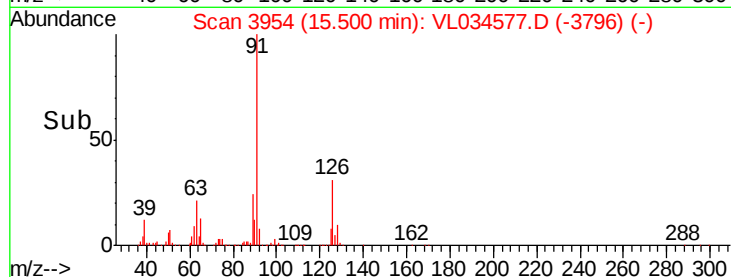
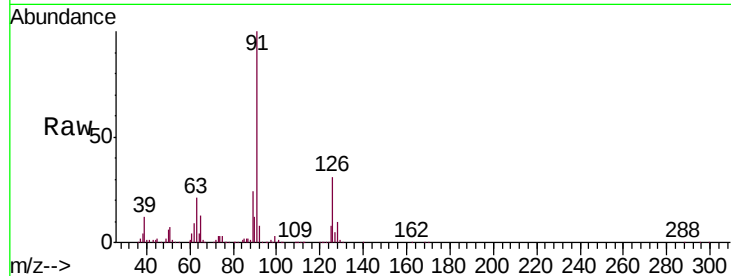




#71
2-Chlorotoluene
Concen: 9.286 ppbv
RT: 15.50 min Scan# 3954
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

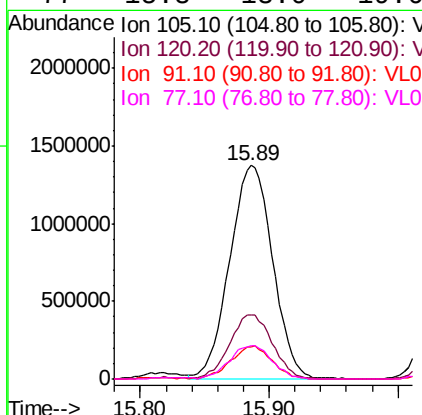
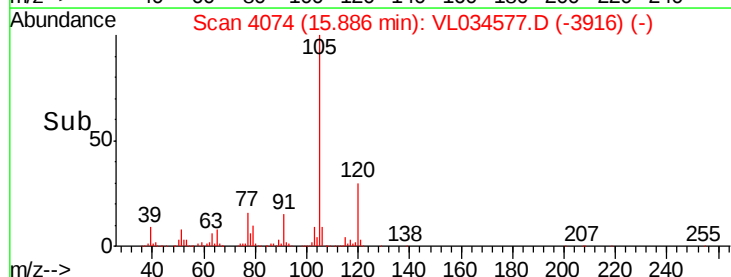
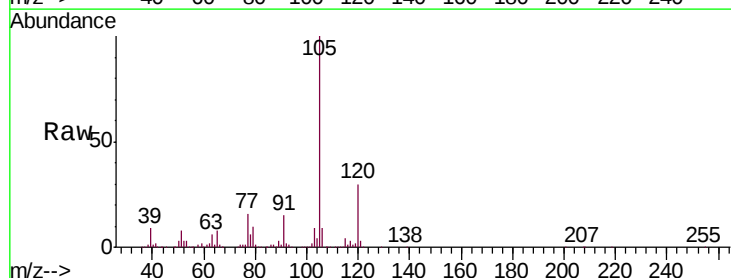
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

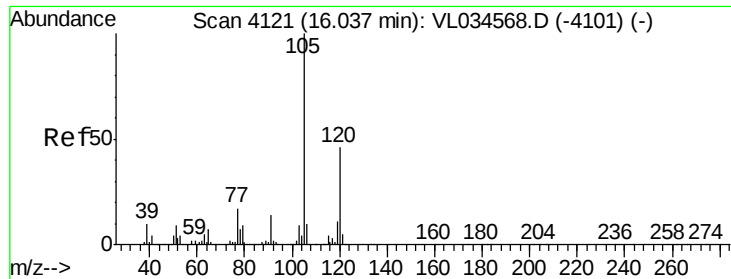
Tgt Ion: 91 Resp: 2802162
Ion Ratio Lower Upper
91 100
126 30.3 12.0 47.8



#72
4-Ethyltoluene
Concen: 9.415 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 105 Resp: 3172648
Ion Ratio Lower Upper
105 100
120 29.9 23.8 35.6
91 14.8 11.8 17.8
77 15.8 13.0 19.6

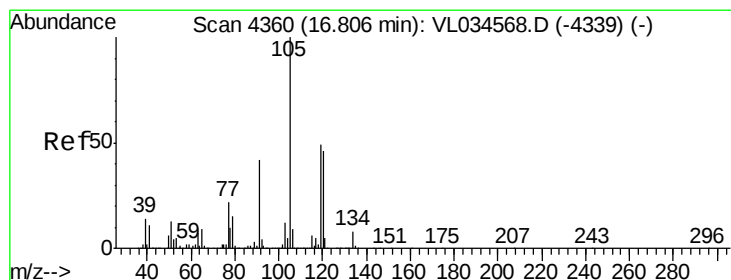
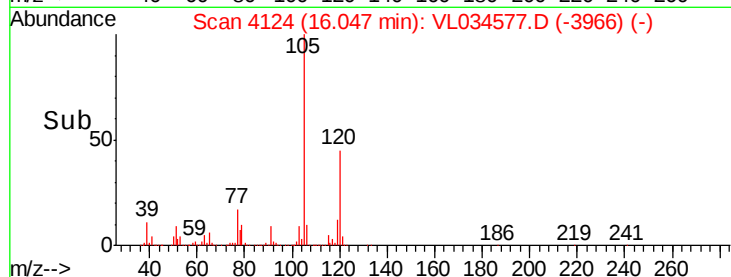
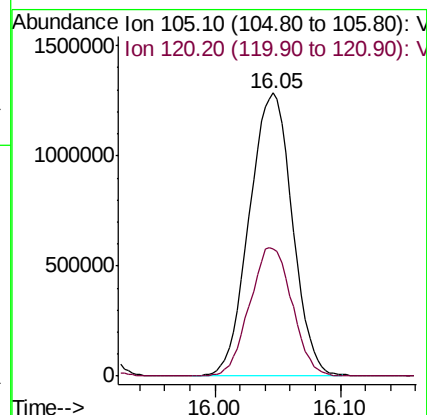
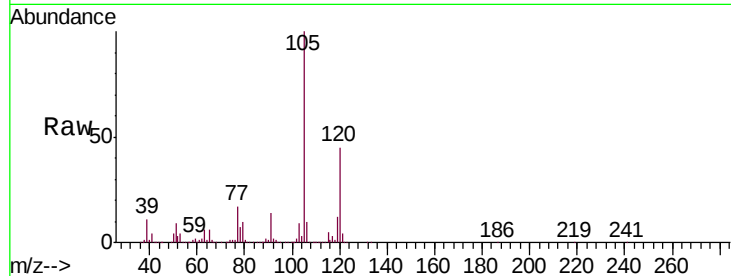




#73
 1,3,5-Trimethylbenzene
 Concen: 9.276 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

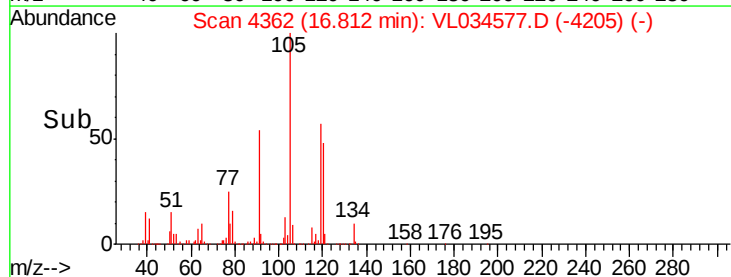
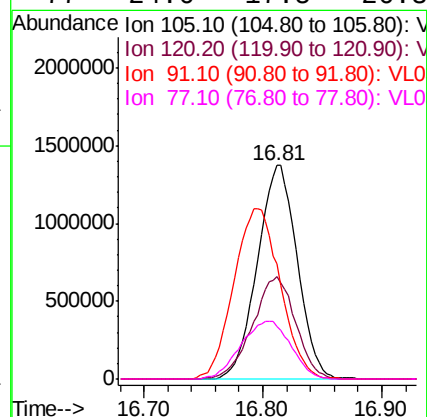
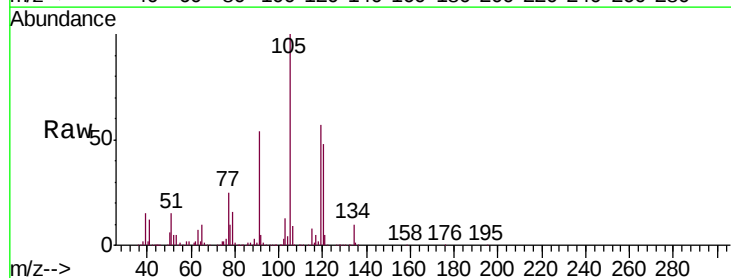
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

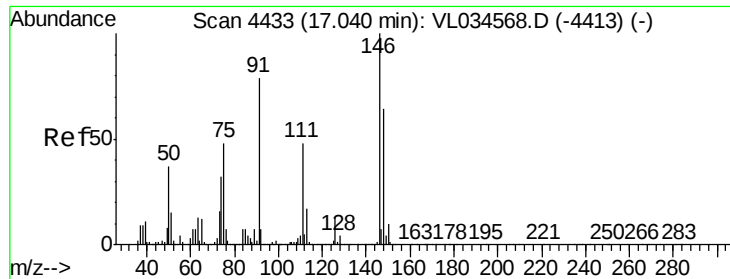
Tgt Ion:105 Resp: 3054564
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.0 55.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.730 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion:105 Resp: 3182348
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.1 55.7
 91 53.7 34.3 51.5#
 77 24.6 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 8.553 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

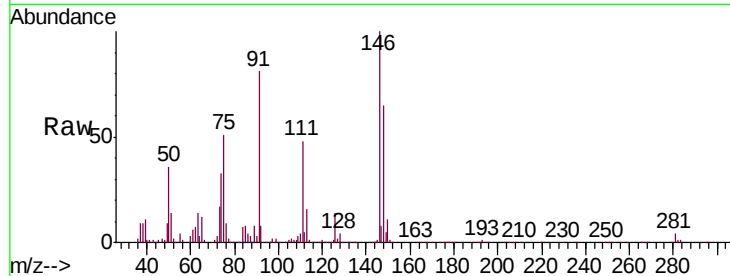
Tgt Ion:146 Resp: 1795160

Ion Ratio Lower Upper

146 100

111 49.0 24.7 74.1

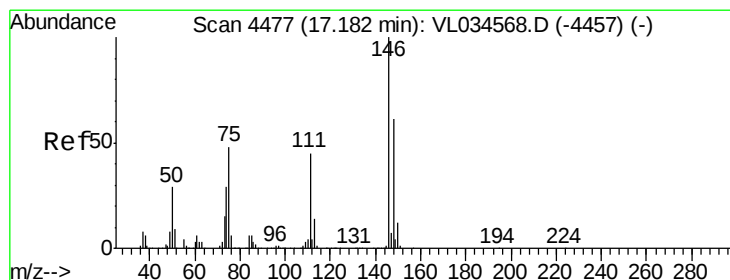
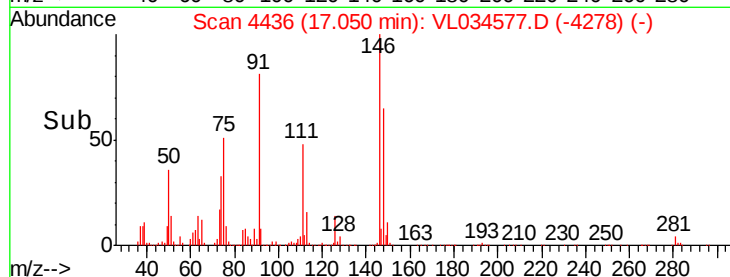
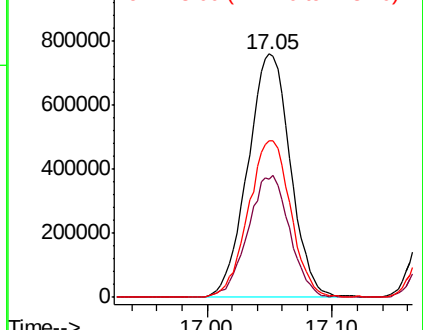
148 64.2 32.8 98.4



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: 8.659 ppbv

RT: 17.19 min Scan# 4481

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

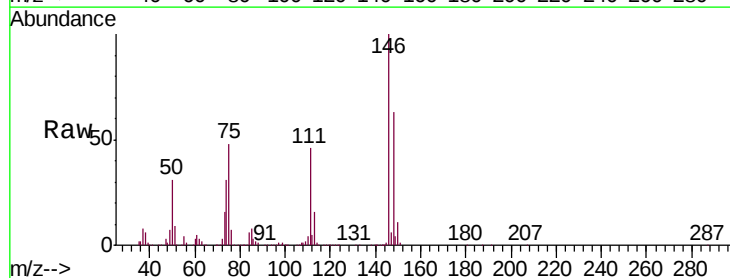
Tgt Ion:146 Resp: 1791200

Ion Ratio Lower Upper

146 100

111 47.7 24.1 72.2

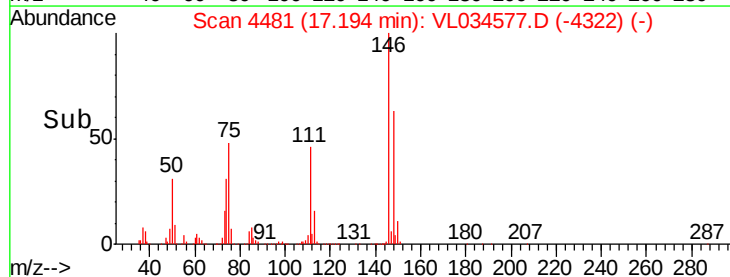
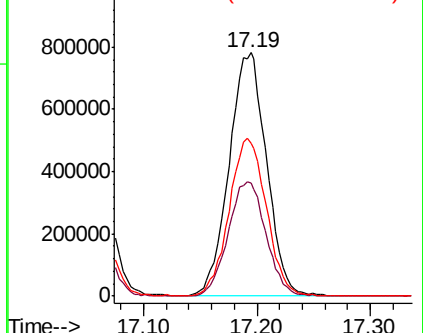
148 64.9 32.6 98.0

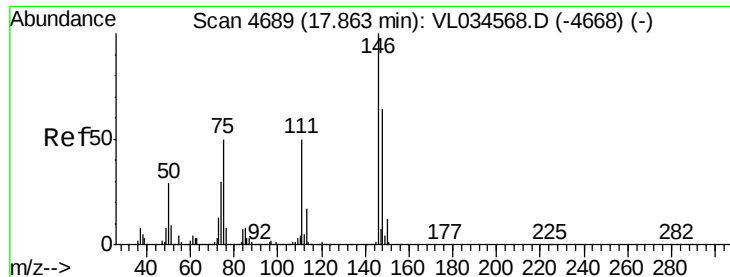


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

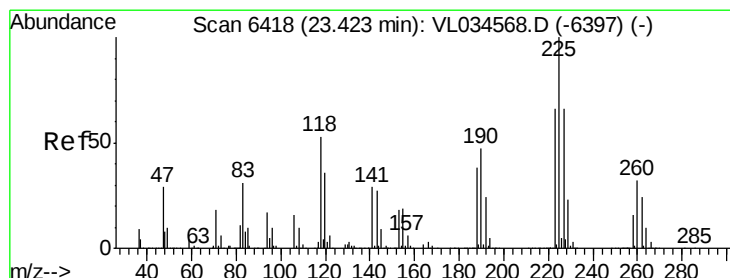
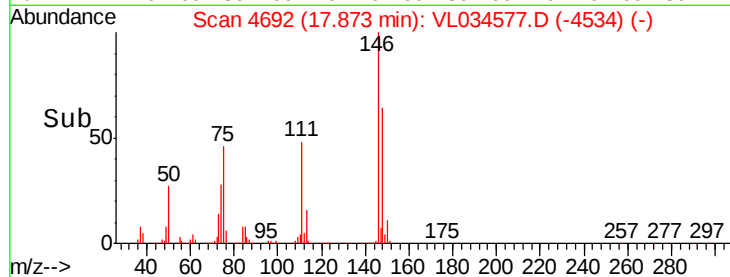
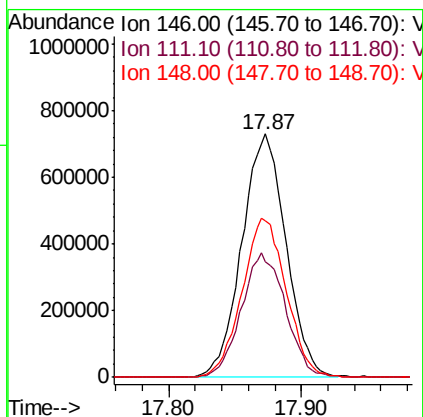
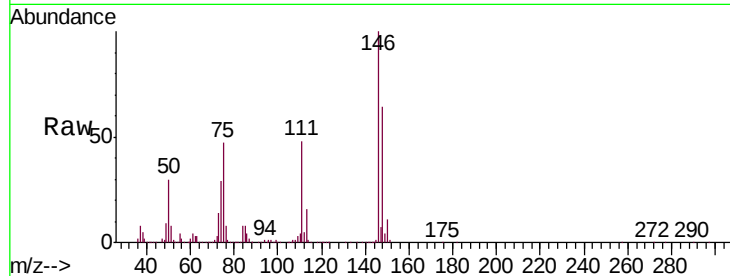




#77
 1,2-Dichlorobenzene
 Concen: 8.346 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

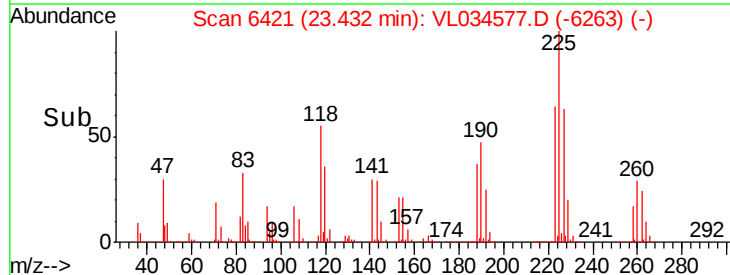
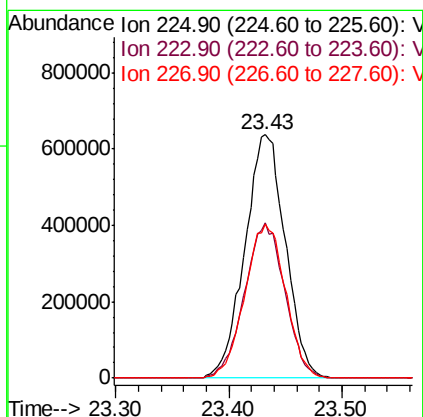
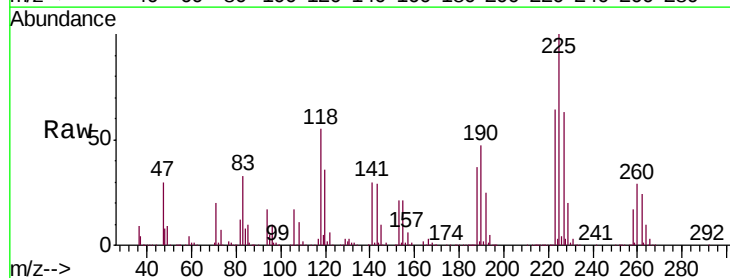
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

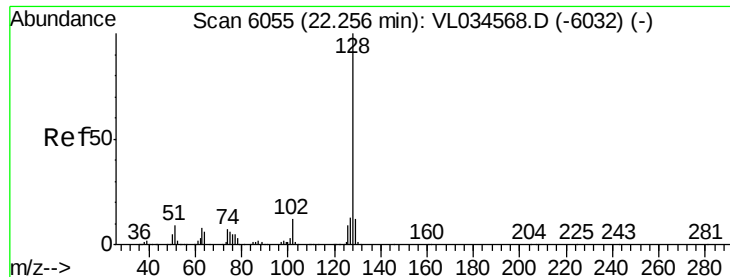
Tgt Ion:146 Resp: 1682791
 Ion Ratio Lower Upper
 146 100
 111 51.3 25.1 75.3
 148 65.7 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.231 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion:225 Resp: 1586979
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.9 76.3
 227 63.4 51.6 77.4





#79

Naphthalene

Concen: 9.419 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

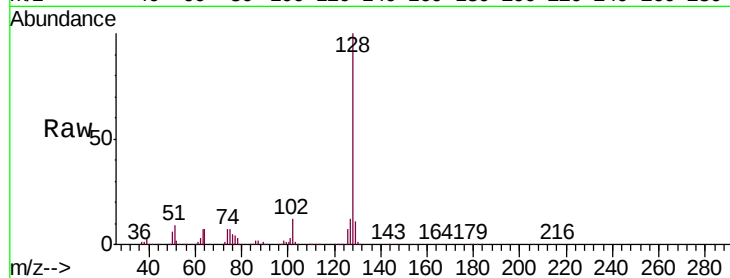
Tgt Ion:128 Resp: 2703032

Ion Ratio Lower Upper

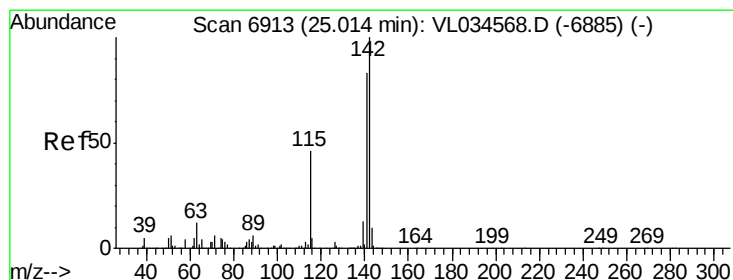
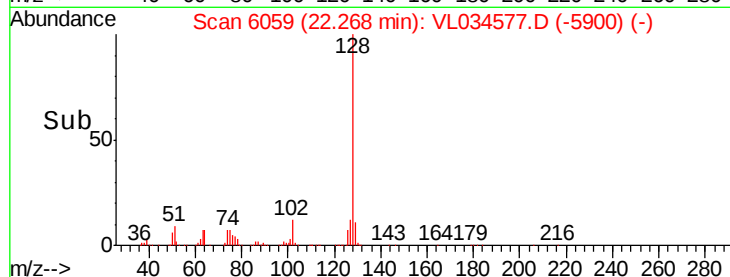
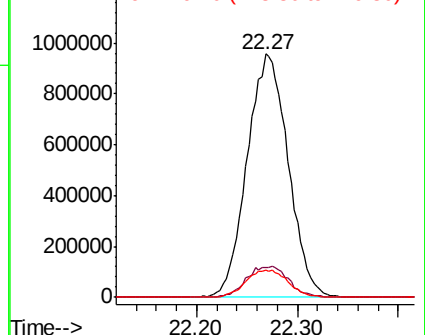
128 100

127 12.5 10.1 15.1

129 11.2 9.3 13.9



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: 12.221 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

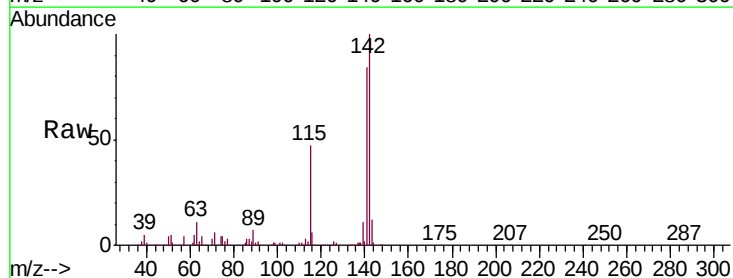
Tgt Ion:142 Resp: 1349282

Ion Ratio Lower Upper

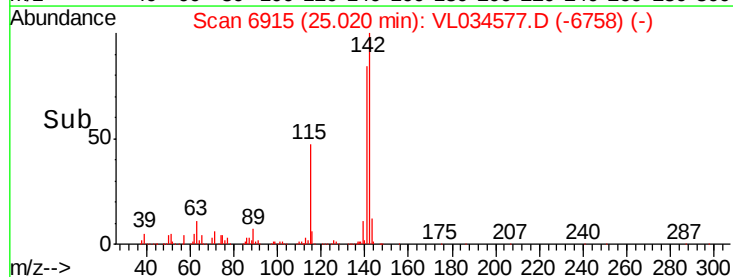
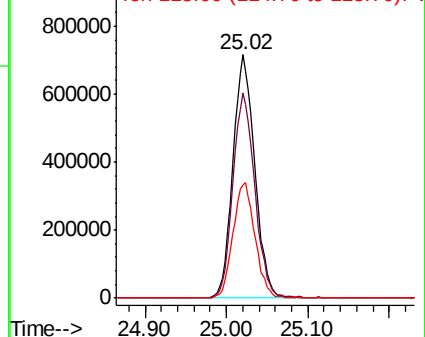
142 100

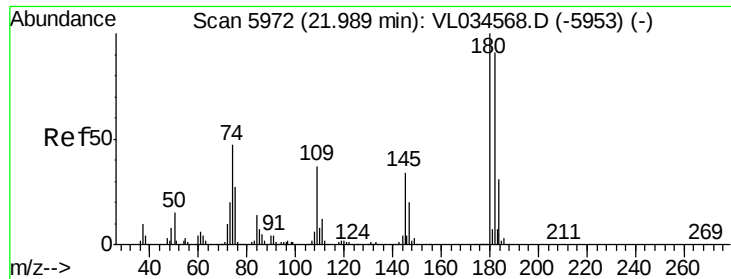
141 84.8 67.0 100.4

115 48.0 39.5 59.3



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: 9.327 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1650198
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.8 116.6
 184 31.2 25.4 38.0

