

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034401.D
 Acq On : 25 Nov 2019 10:06
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 26 00:41:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	986058	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2012207	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2609130	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1744387	7.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1920735	10.767	ppbv 98
3) Chlorodifluoromethane	2.96	51	1142668	9.288	ppbv 100
4) Chloromethane	3.11	50	691977	9.536	ppbv 99
5) Vinyl Chloride	3.23	62	637055	9.370	ppbv 92
6) Bromomethane	3.45	94	335589	9.810	ppbv 93
7) Chloroethane	3.54	64	244432	9.905	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	1483881	9.263	ppbv 99
9) Propene	2.98	41	506555	9.274	ppbv 98
10) Heptane	8.16	43	1347362	9.559	ppbv 99
11) Trichlorofluoromethane	3.94	101	1682034	9.475	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1106273	9.383	ppbv 98
13) Ethanol	3.59	45	89854	5.906	ppbv 90
14) Bromoethene	3.73	108	472481	9.856	ppbv 100
15) Acetone	3.83	43	1225613	8.680	ppbv 100
16) 1,3-Butadiene	3.30	39	590914	9.607	ppbv 100
17) tert-Butyl alcohol	4.29	59	913425	7.696	ppbv 99
18) 1,1-Dichloroethene	4.28	96	507768	9.846	ppbv 99
19) Isopropyl Alcohol	3.96	45	708172	7.825	ppbv 99
20) Methylene Chloride	4.34	84	432575	8.640	ppbv 95
21) Allyl Chloride	4.41	41	861861	10.186	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	519670	9.996	ppbv 97
23) Vinyl Acetate	5.08	43	1837014	9.959	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1348080	9.514	ppbv 99
25) Ethyl Acetate	5.69	43	2351040	9.331	ppbv 99
26) Hexane	5.70	57	1009640	9.325	ppbv 100
27) Carbon Disulfide	4.55	76	1315267	11.153	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1722343	9.594	ppbv 100
29) Chloroform	5.77	83	1647812	9.398	ppbv 98
30) Cyclohexane	7.16	84	811000	9.908	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1099623	9.828	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1653107	10.056	ppbv 99
34) 2-Butanone	5.25	43	1568442	9.470	ppbv 99
35) Carbon Tetrachloride	7.04	117	1760928	10.178	ppbv 98
36) Benzene	6.92	78	1926706	9.579	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1431708	9.581	ppbv 100
38) Trichloroethene	7.87	130	757457	9.176	ppbv 99
39) 1,2-Dichloropropane	7.65	63	789669	10.190	ppbv 92
40) 1,4-Dioxane	7.86	88	267778	7.910	ppbv # 97
41) Tetrahydrofuran	6.06	42	903561	9.726	ppbv 98
42) Bromodichloromethane	7.83	83	1848637	9.892	ppbv 99
43) Methyl Methacrylate	8.05	69	832532	9.979	ppbv 99

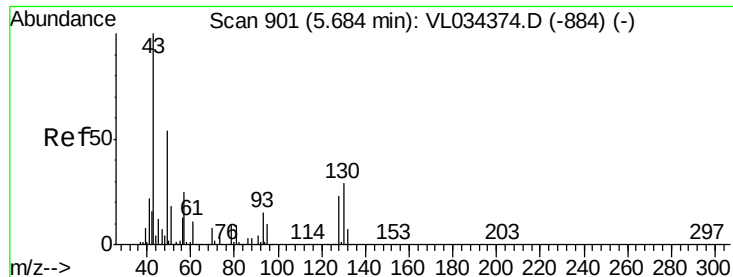
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034401.D
 Acq On : 25 Nov 2019 10:06
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 Sample : VSTDCCC010
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3413806	9.287	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1175996	10.991	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1284614	10.689	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	821923	9.535	ppbv	96
48) Dibromochloromethane	10.36	129	1550104	10.473	ppbv	100
49) Bromoform	13.10	173	1403624	10.624	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2331496	9.729	ppbv	99
51) 2-Hexanone	10.18	43	1975930	9.844	ppbv #	99
52) Tetrachloroethene	11.28	164	734492	8.439	ppbv	99
53) Toluene	9.85	91	2266031	9.918	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1263658	9.562	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.18	131	1021236	8.002	ppbv	97
57) Chlorobenzene	12.20	112	1723343	7.307	ppbv	95
58) Ethyl Benzene	12.76	91	3107591	7.675	ppbv	98
59) m/p-Xylene	13.05	91	2500662	7.145	ppbv #	25
60) o-Xylene	13.75	91	2603785	7.524	ppbv	99
61) Styrene	13.59	104	1934124	7.750	ppbv	100
62) Isopropylbenzene	14.73	105	3408859	7.448	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1819895	6.996	ppbv	100
64) n-propylbenzene	15.63	120	391307	3.292	ppbv #	1
65) tert-Butylbenzene	16.81	119	3014700	7.333	ppbv	100
66) Benzyl Chloride	17.06	91	1534130	9.700	ppbv	100
67) sec-Butylbenzene	17.36	105	4183345	7.274	ppbv	100
69) p-Isopropyltoluene	17.72	119	3504110	7.342	ppbv	100
70) n-Butylbenzene	18.62	91	3715935	7.236	ppbv	100
71) 2-Chlorotoluene	15.52	91	2685830	7.360	ppbv	100
72) 4-Ethyltoluene	15.90	105	3017563	7.547	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2893619	7.393	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2965846	7.134	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1701572	7.120	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1687085	7.270	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1651231	7.154	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1484397	7.485	ppbv	99
79) Naphthalene	22.29	128	2623663	7.279	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	1511311	9.286	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1576156	7.118	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :

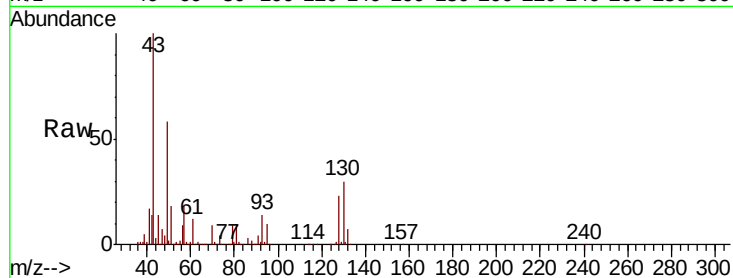
Tot Ion: 49 Resp: 986058

Ion Ratio Lower Upper

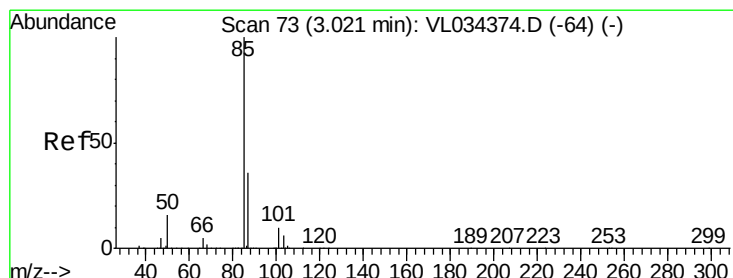
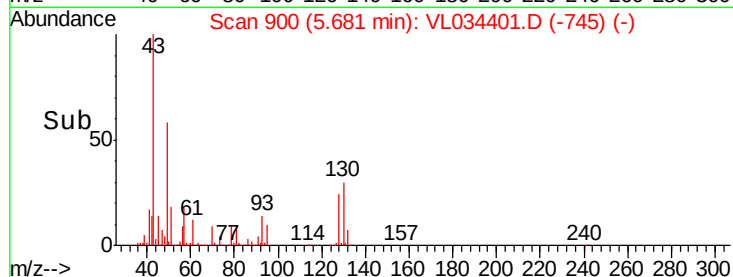
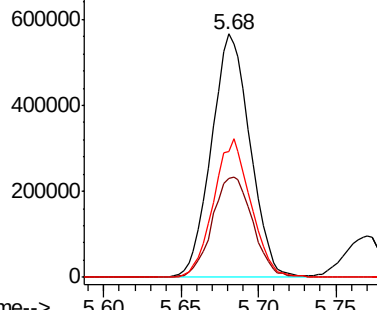
49 100

128 43.1 21.8 65.3

130 55.1 28.0 84.0



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: 10.767 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034401.D

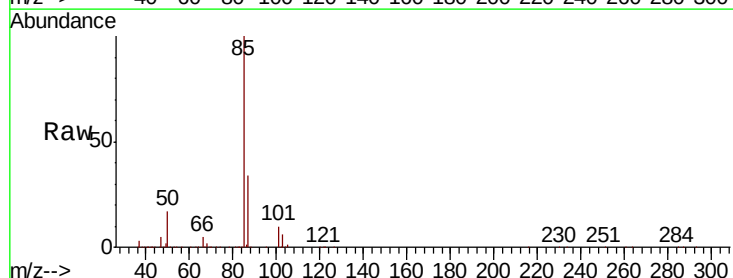
Acq: 25 Nov 2019 10:06

Tgt Ion: 85 Resp: 1920735

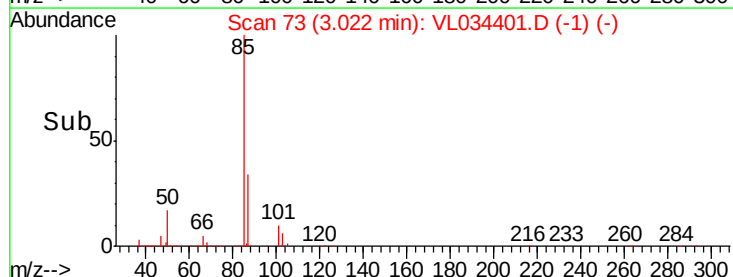
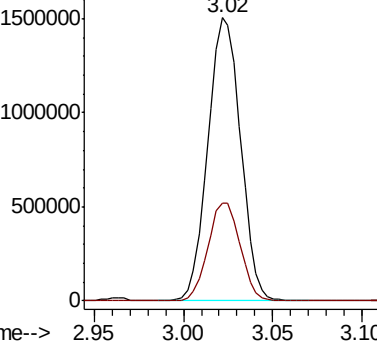
Ion Ratio Lower Upper

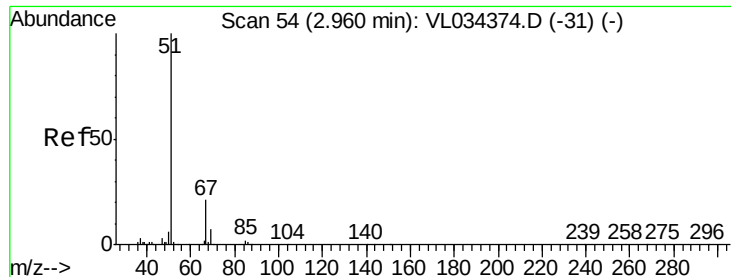
85 100

87 34.4 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

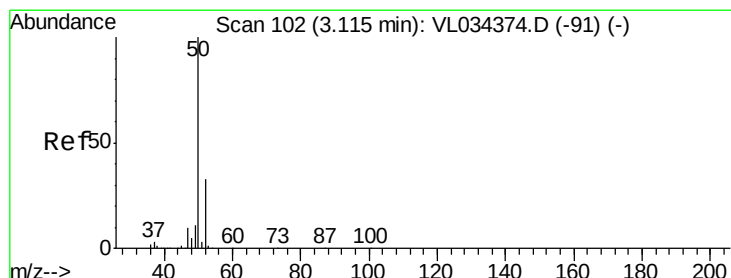
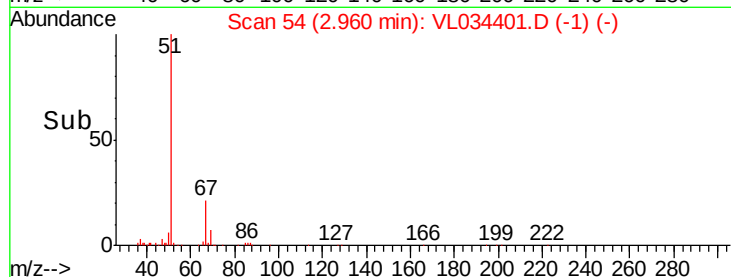
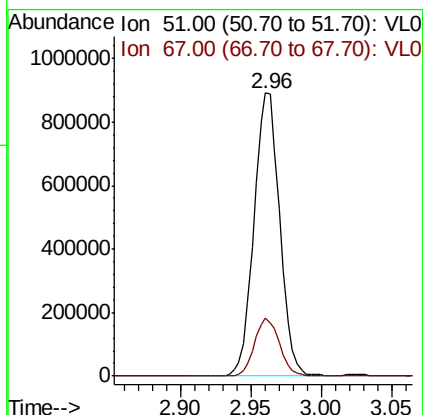
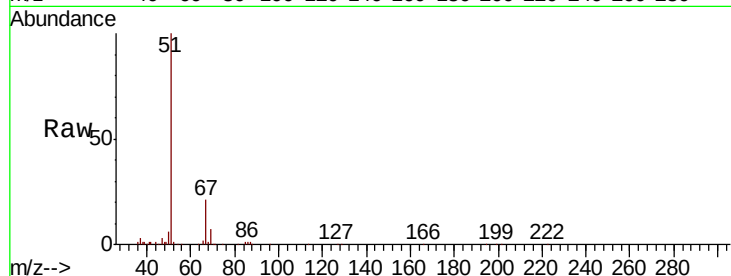




#3
Chlorodifluoromethane
Concen: 9.288 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

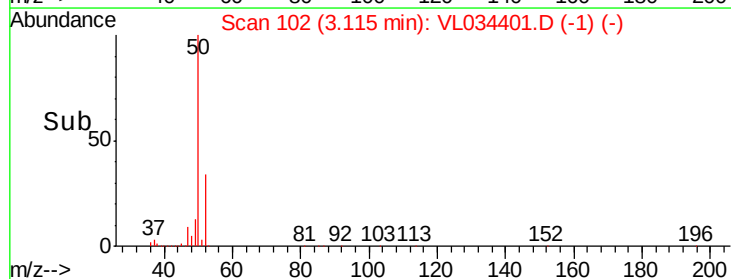
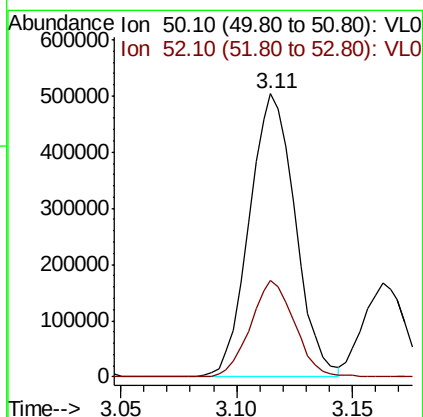
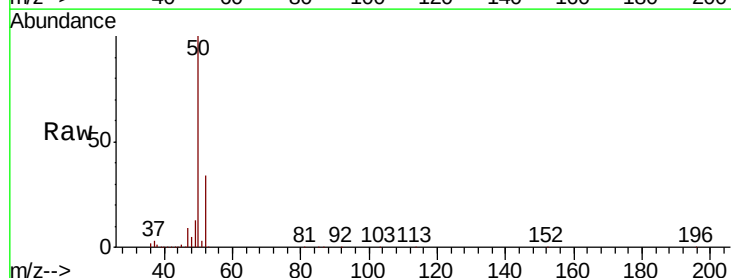
Instrument :
MSVOA_L
ClientSampled :

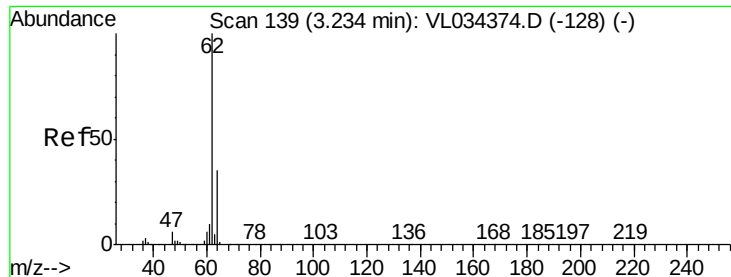
Tot Ion: 51 Resp: 1142668
Ion Ratio Lower Upper
51 100
67 20.0 16.2 24.2



#4
Chloromethane
Concen: 9.536 ppbv
RT: 3.11 min Scan# 102
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 50 Resp: 691977
Ion Ratio Lower Upper
50 100
52 34.3 26.8 40.2





#5

Vinyl Chloride

Concen: 9.370 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

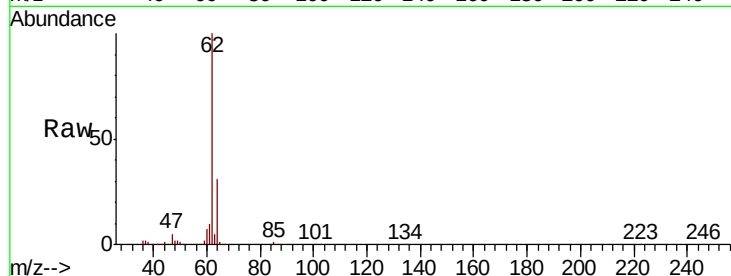
ClientSampleId :

Tot Ion: 62 Resp: 637055

Ion Ratio Lower Upper

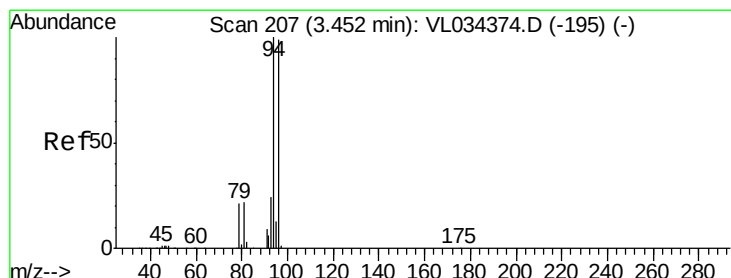
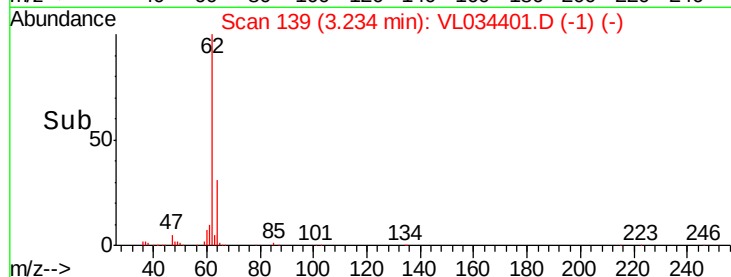
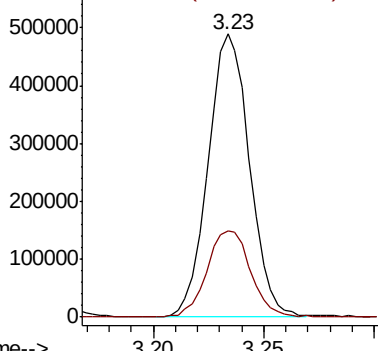
62 100

64 30.6 28.4 42.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.810 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL034401.D

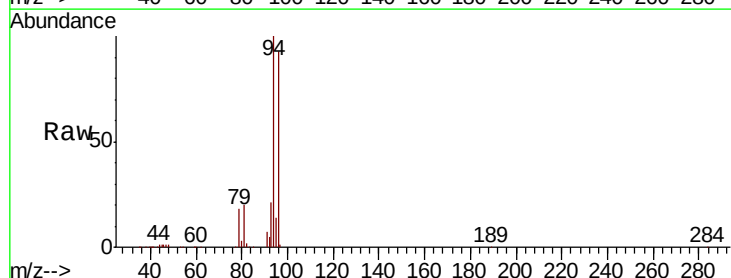
Acq: 25 Nov 2019 10:06

Tgt Ion: 94 Resp: 335589

Ion Ratio Lower Upper

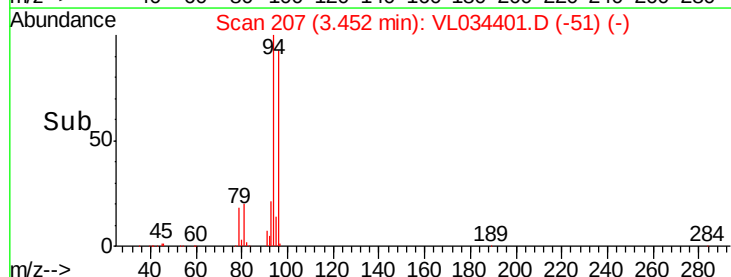
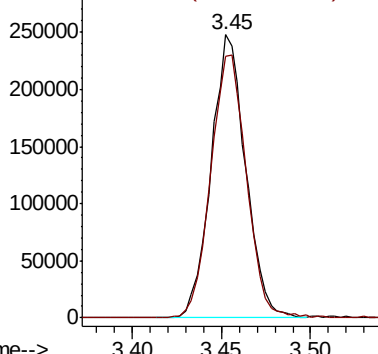
94 100

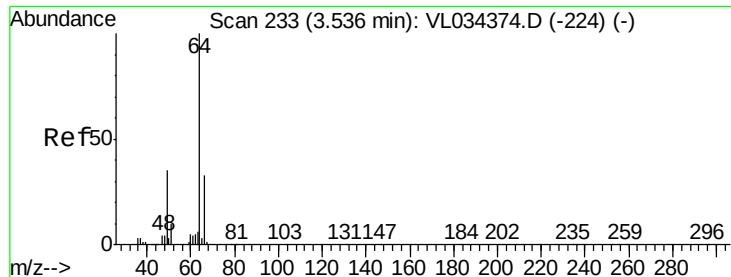
96 92.5 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.905 ppbv

RT: 3.54 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

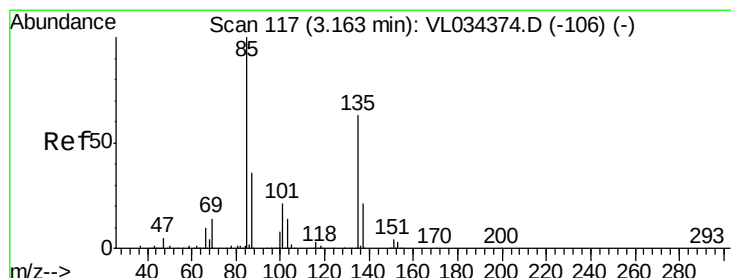
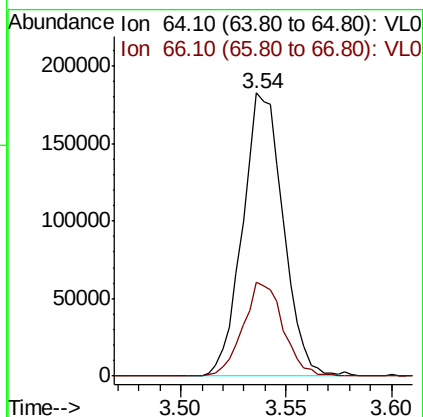
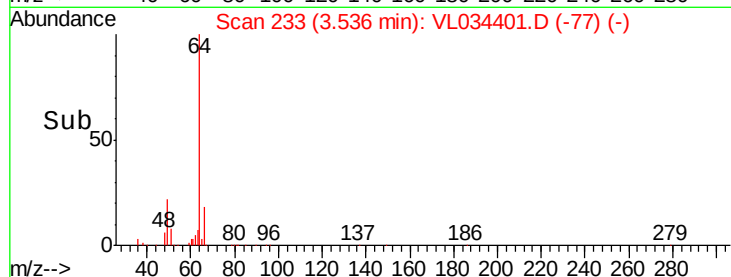
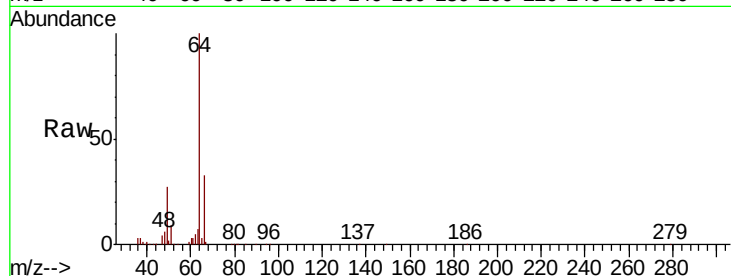
ClientSampleId :

Tot Ion: 64 Resp: 244432

Ion Ratio Lower Upper

64 100

66 33.2 26.0 39.0



#8

Dichlorotetrafluoroethane

Concen: 9.263 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.00 min

Lab File: VL034401.D

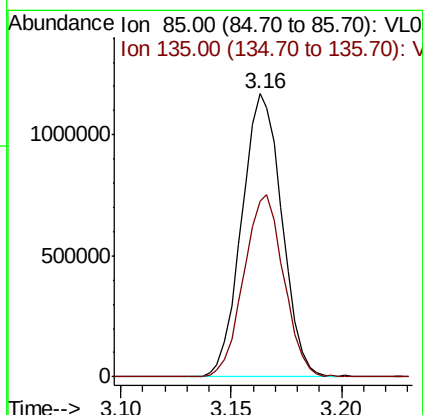
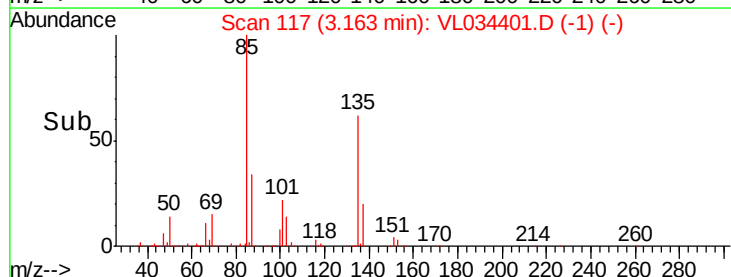
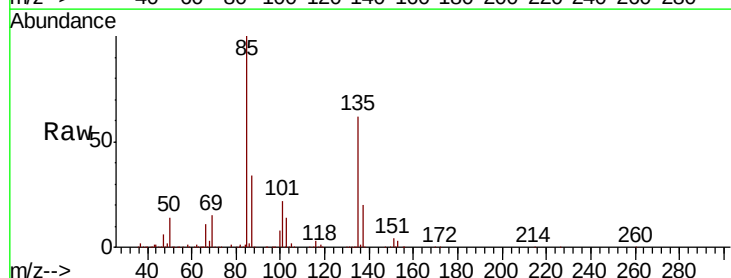
Acq: 25 Nov 2019 10:06

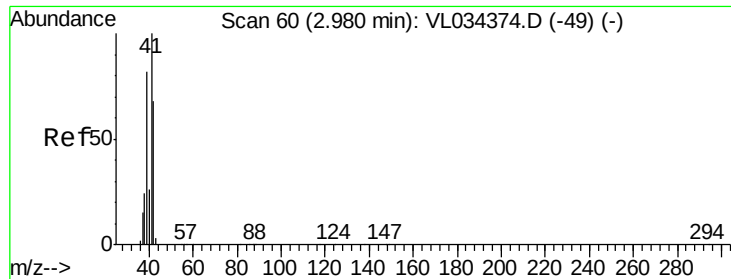
Tgt Ion: 85 Resp: 1483881

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7





#9

Propene

Concen: 9.274 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

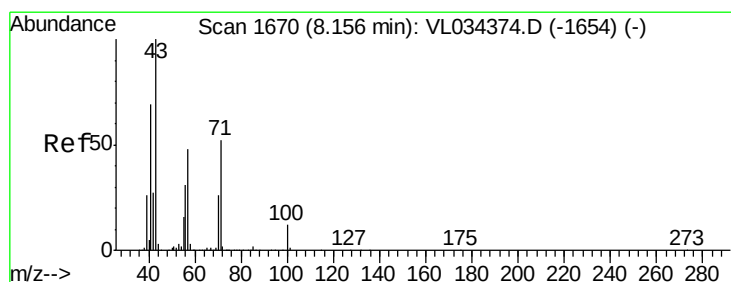
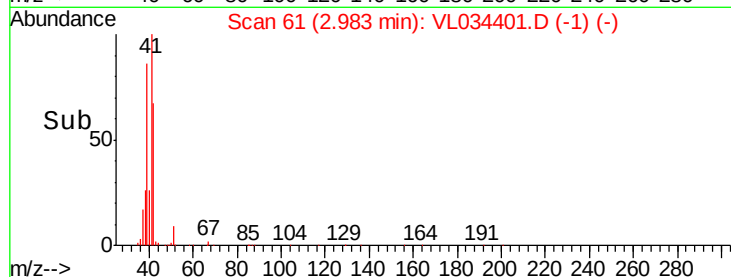
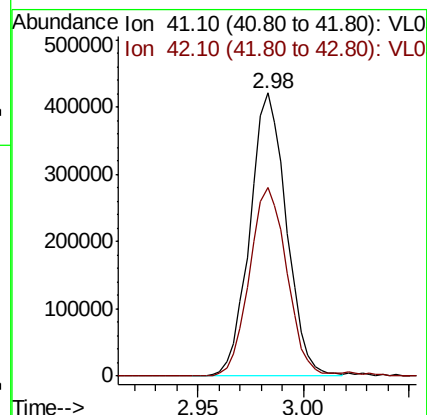
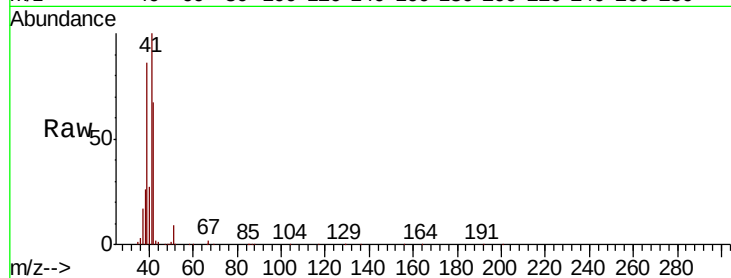
ClientSampleId :

Tot Ion: 41 Resp: 506555

Ion Ratio Lower Upper

41 100

42 69.7 54.6 82.0



#10

Heptane

Concen: 9.559 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VL034401.D

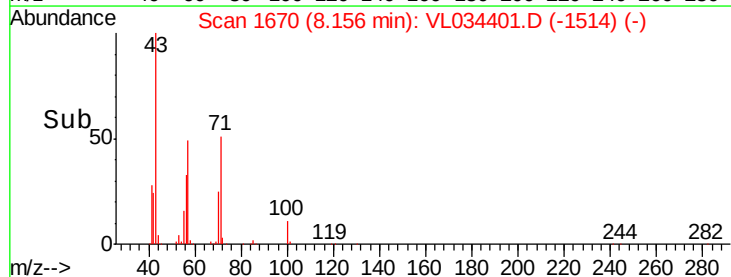
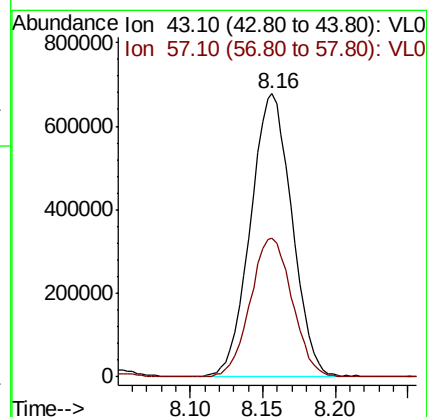
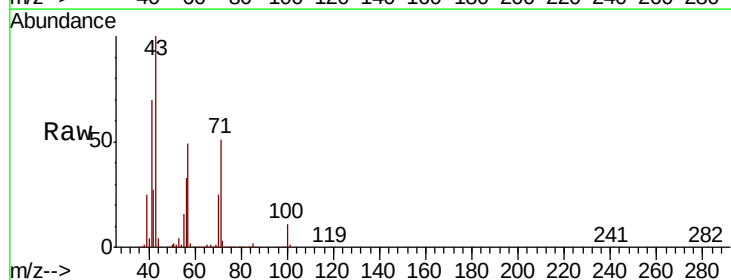
Acq: 25 Nov 2019 10:06

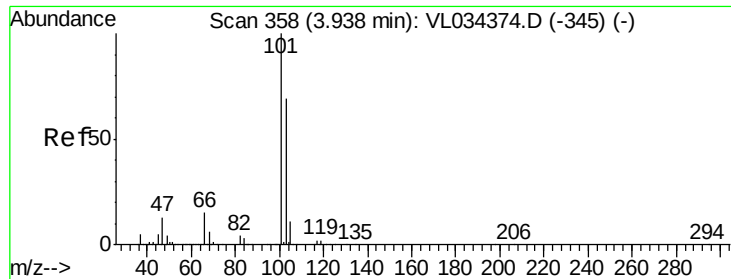
Tgt Ion: 43 Resp: 1347362

Ion Ratio Lower Upper

43 100

57 49.3 40.2 60.2

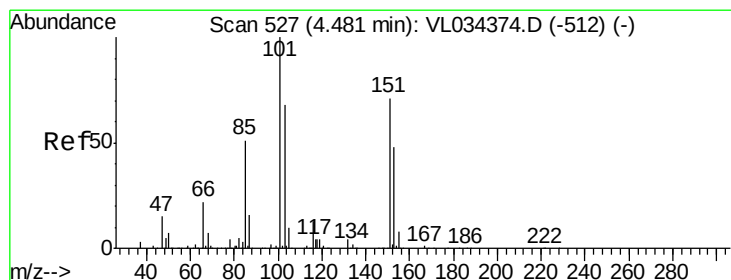
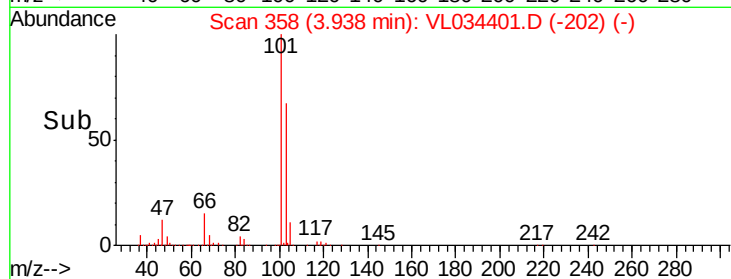
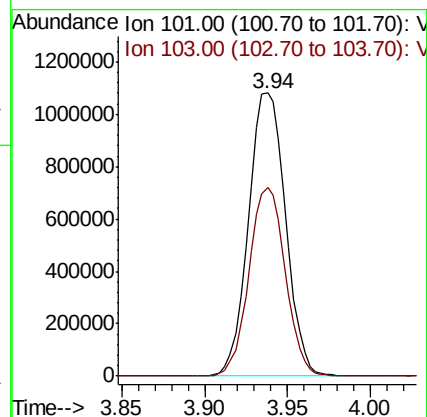
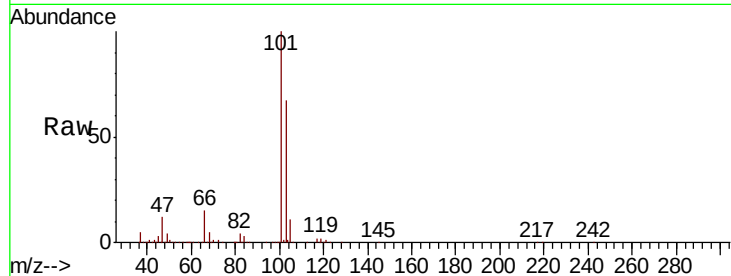




#11
 Trichlorofluoromethane
 Concen: 9.475 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

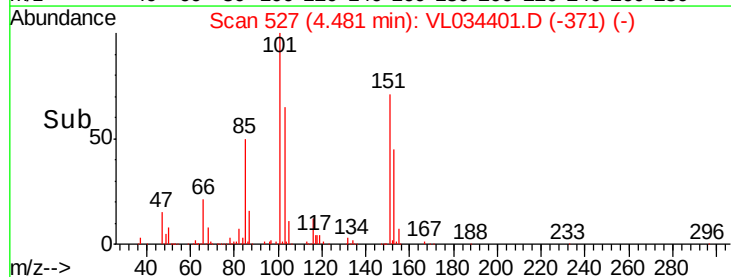
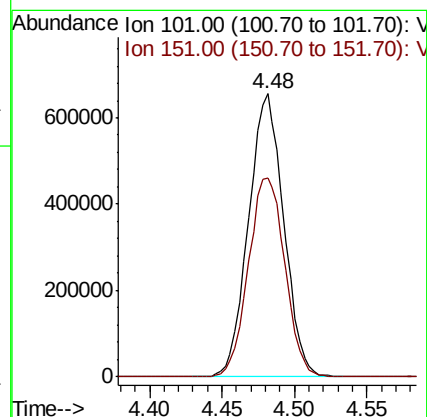
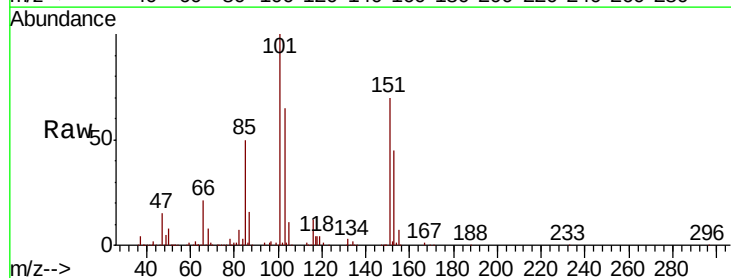
Instrument :
 MSVOA_L
 ClientSampleId :

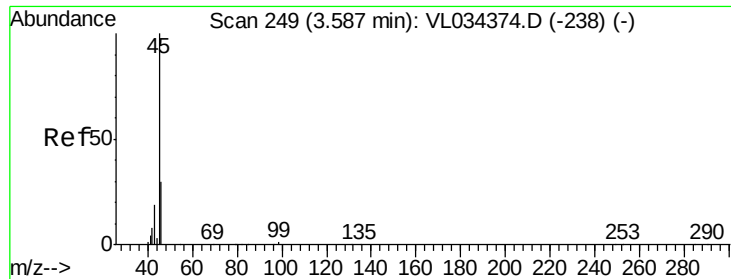
Tot Ion:101 Resp: 1682034
 Ion Ratio Lower Upper
 101 100
 103 66.9 55.4 83.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.383 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion:101 Resp: 1106273
 Ion Ratio Lower Upper
 101 100
 151 73.2 57.4 86.2

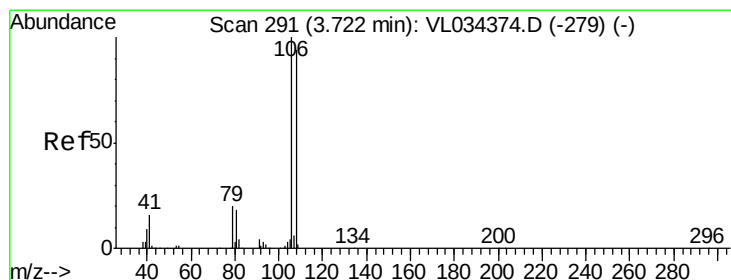
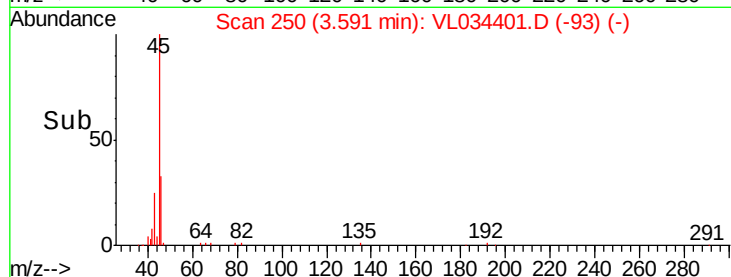
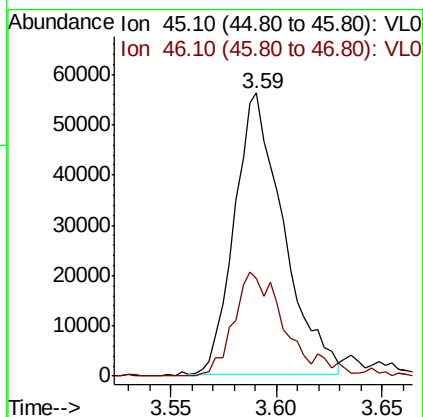
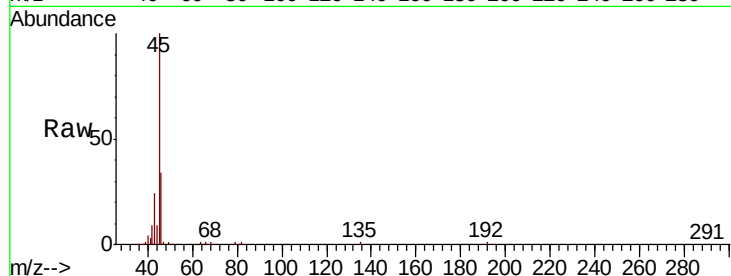




#13
Ethanol
Concen: 5.906 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

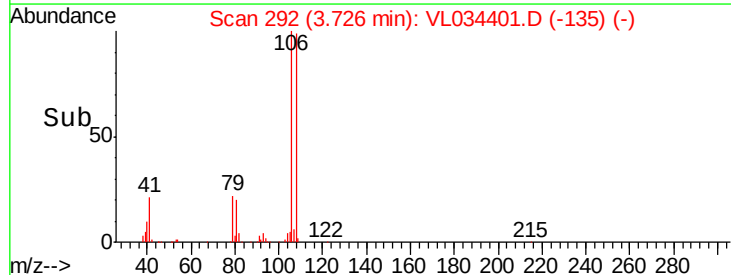
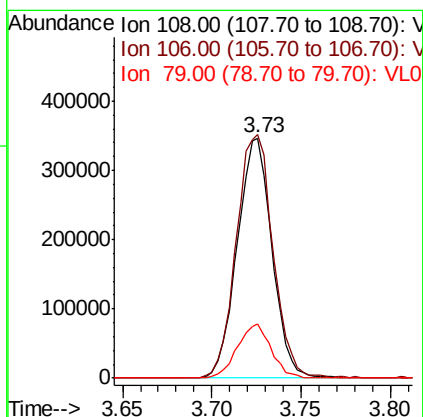
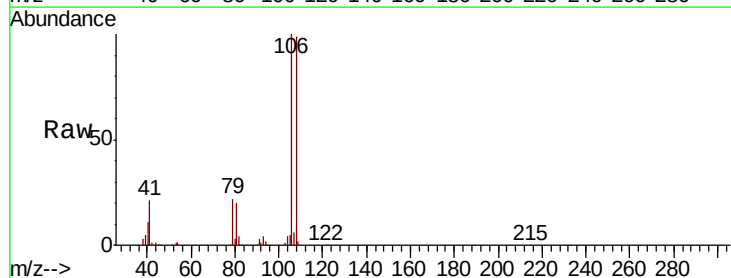
Instrument :
MSVOA_L
ClientSampleId :

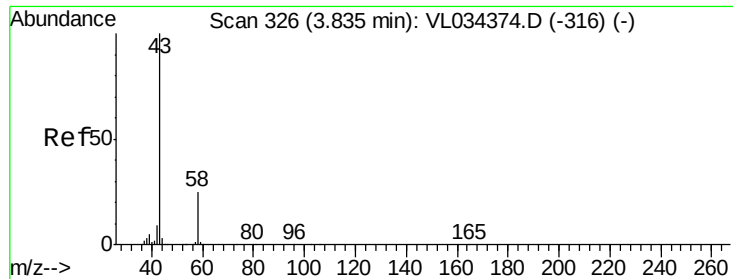
Tot Ion: 45 Resp: 89854
Ion Ratio Lower Upper
45 100
46 40.3 13.8 55.4



#14
Bromoethene
Concen: 9.856 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 108 Resp: 472481
Ion Ratio Lower Upper
108 100
106 107.4 85.7 128.5
79 22.2 17.2 25.8





#15

Acetone

Concen: 8.680 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

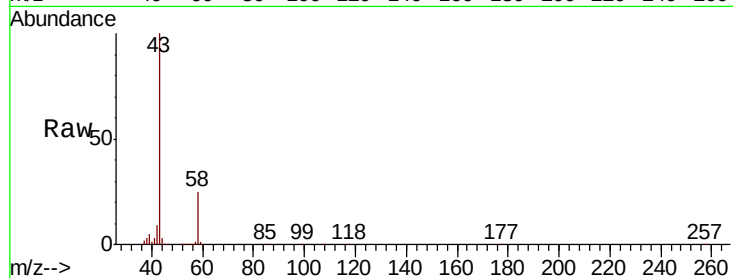
ClientSampleId :

Tot Ion: 43 Resp: 1225613

Ion Ratio Lower Upper

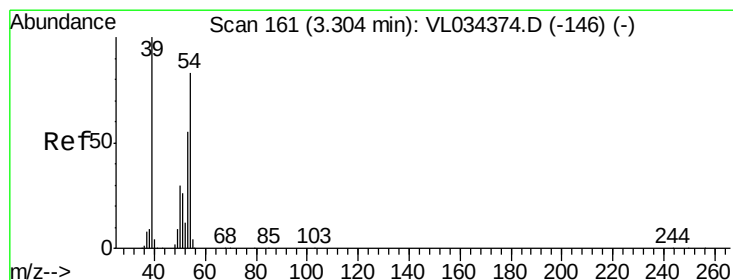
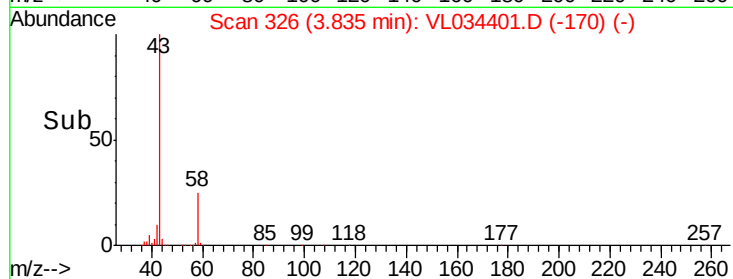
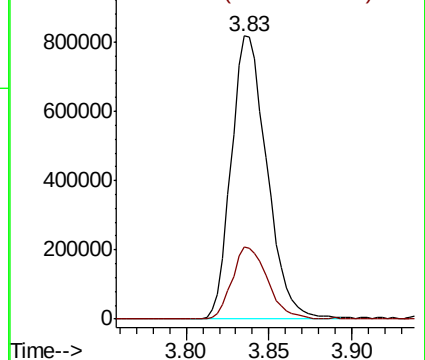
43 100

58 25.5 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.607 ppbv

RT: 3.30 min Scan# 161

Delta R.T. 0.00 min

Lab File: VL034401.D

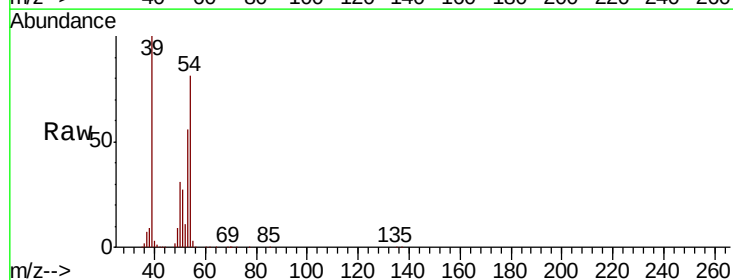
Acq: 25 Nov 2019 10:06

Tgt Ion: 39 Resp: 590914

Ion Ratio Lower Upper

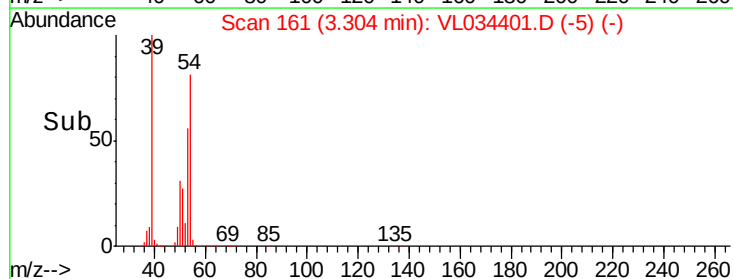
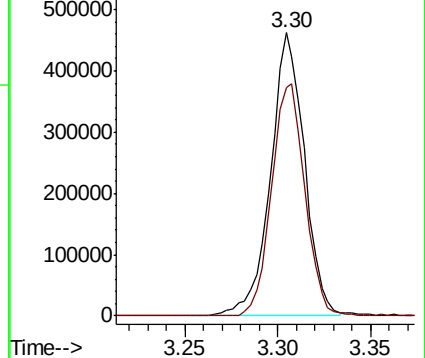
39 100

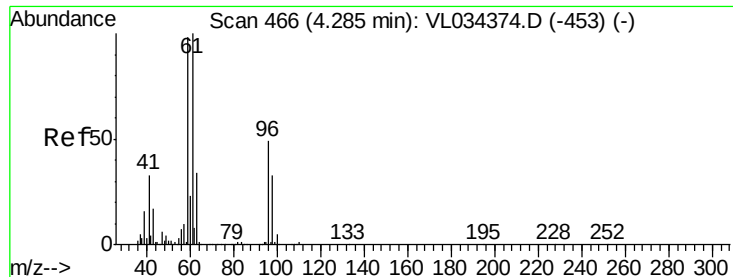
54 81.1 64.7 97.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



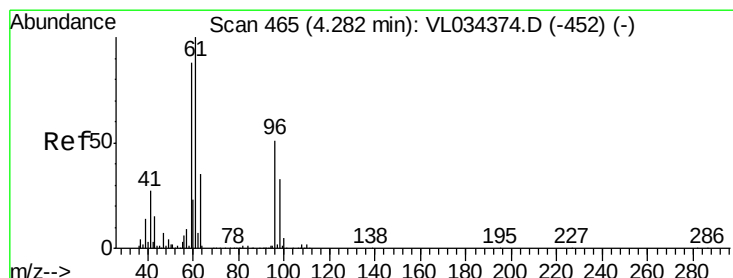
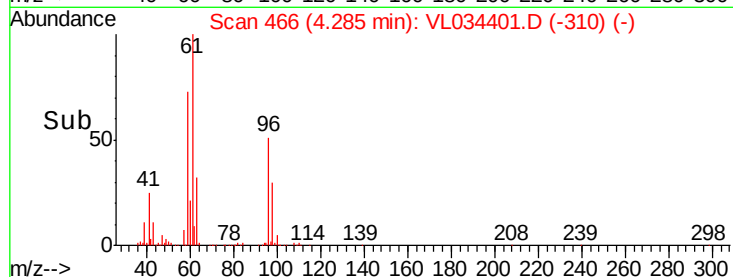
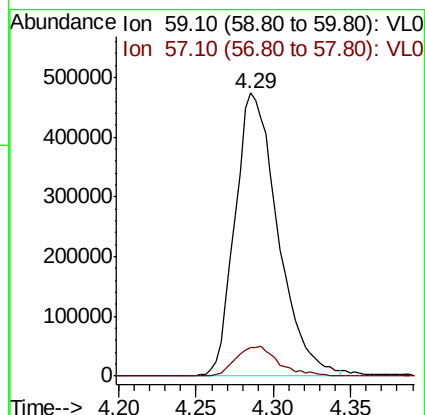
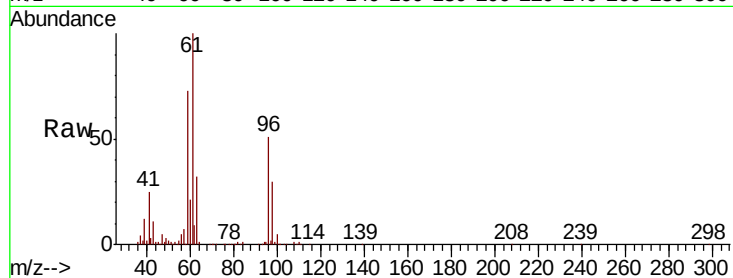


#17

tert-Butyl alcohol
Concen: 7.696 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

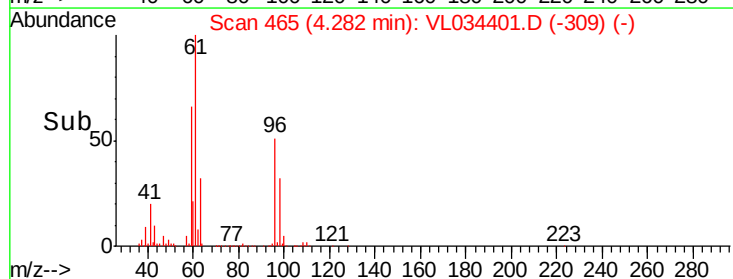
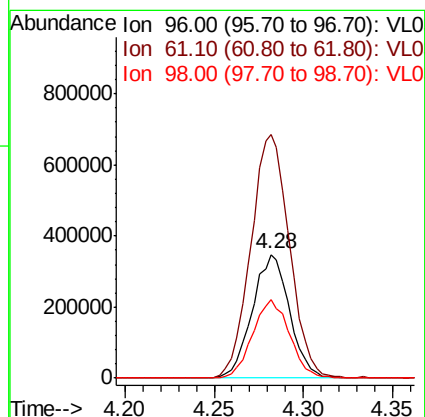
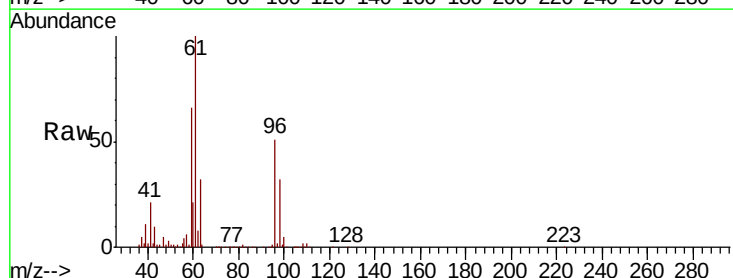
Tot Ion: 59 Resp: 913425
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

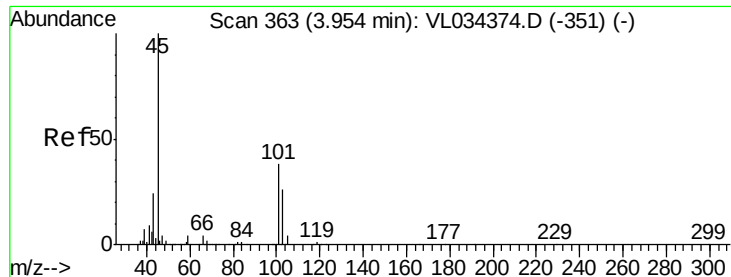


#18

1,1-Dichloroethene
Concen: 9.846 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 96 Resp: 507768
Ion Ratio Lower Upper
96 100
61 196.7 155.6 233.4
98 63.6 51.6 77.4





#19

Isopropyl Alcohol

Concen: 7.825 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

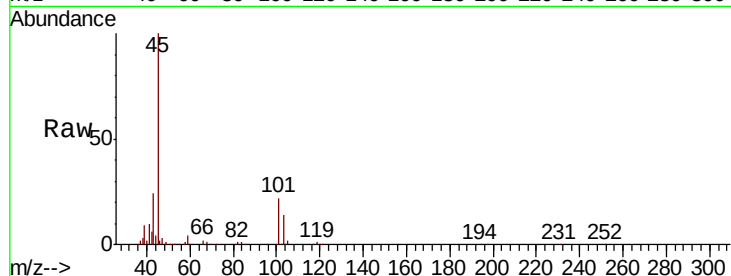
ClientSampleId :

Tot Ion: 45 Resp: 708172

Ion Ratio Lower Upper

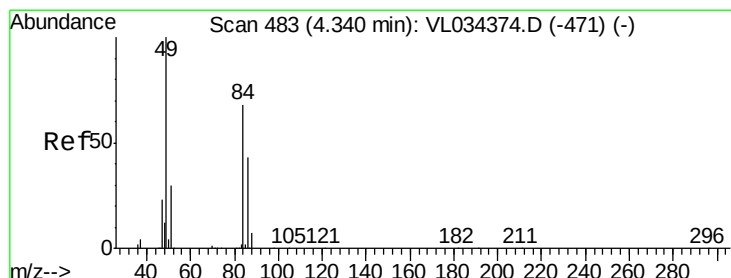
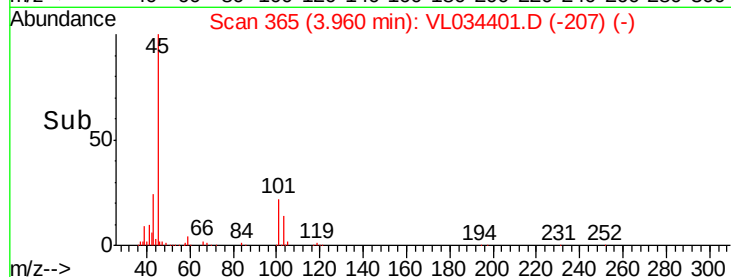
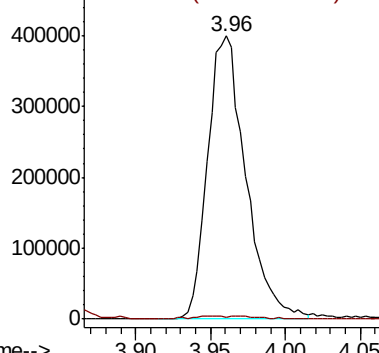
45 100

58 1.8 1.3 1.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.640 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 84 Resp: 432575

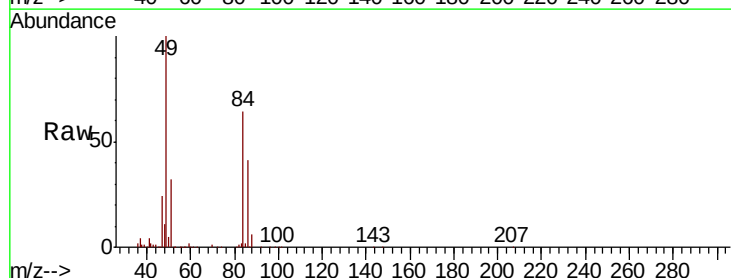
Ion Ratio Lower Upper

84 100

49 154.7 116.8 175.2

51 49.1 35.6 53.4

86 63.6 50.7 76.1

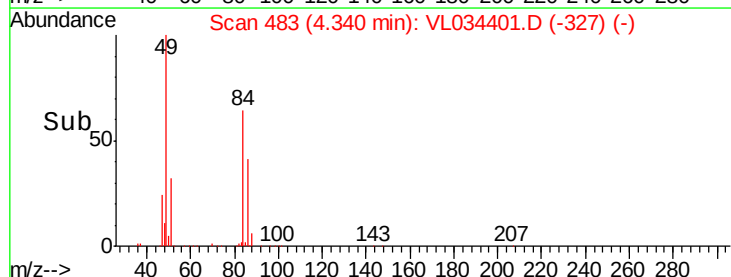
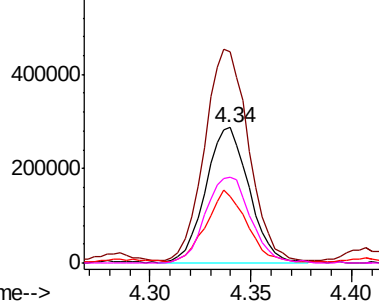


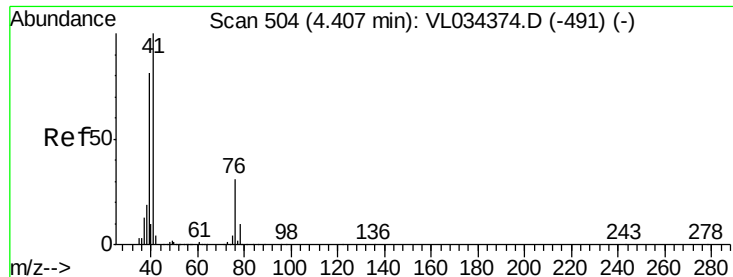
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

Allvl Chloride

Concen: 10.186 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

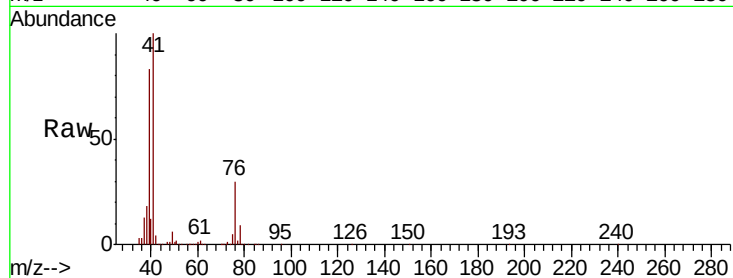
Tot Ion: 41 Resp: 861861

Ion Ratio Lower Upper

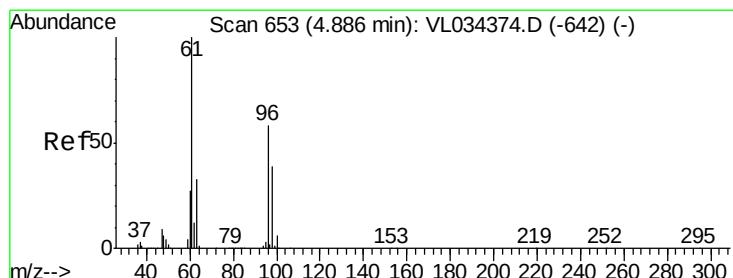
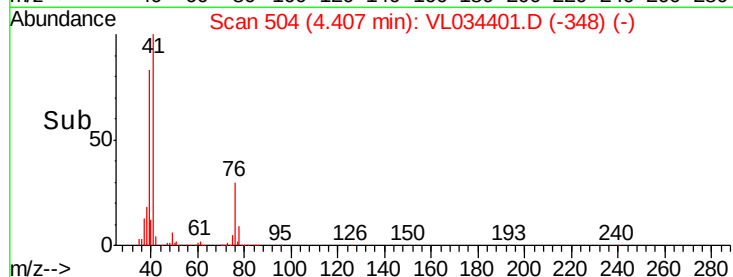
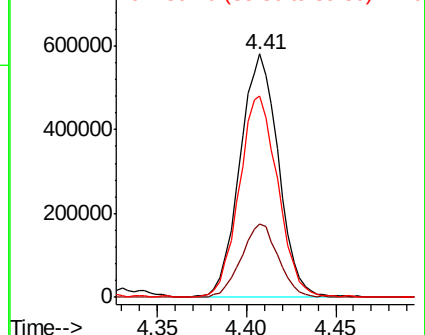
41 100

76 29.6 24.2 36.2

39 84.2 66.9 100.3



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: 9.996 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

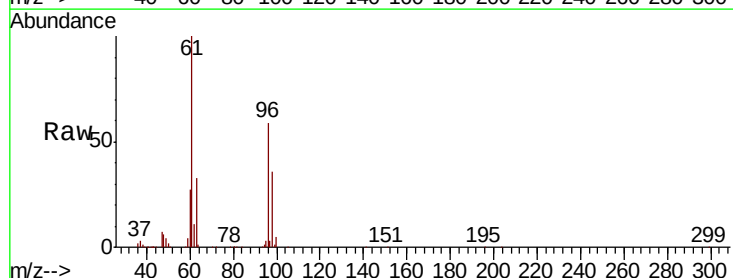
Tgt Ion: 96 Resp: 519670

Ion Ratio Lower Upper

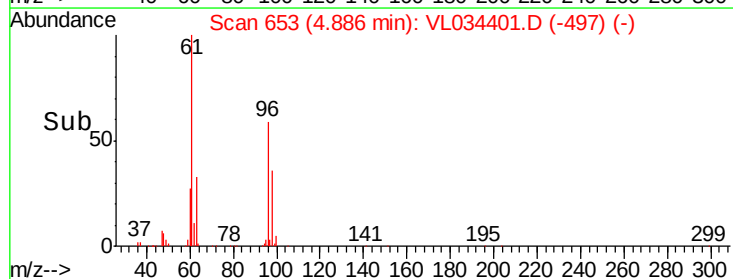
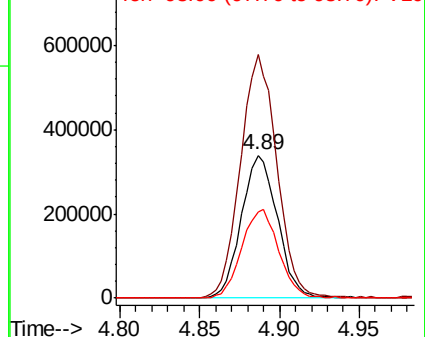
96 100

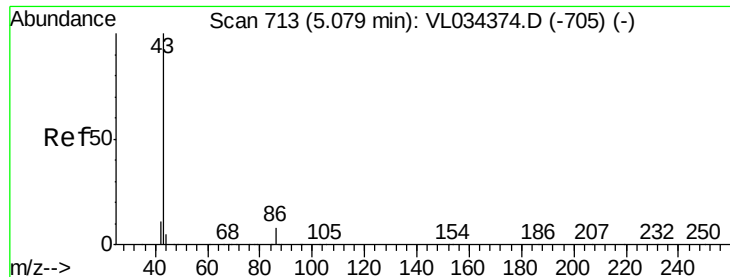
61 170.4 137.9 206.9

98 60.6 53.5 80.3



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: 9.959 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

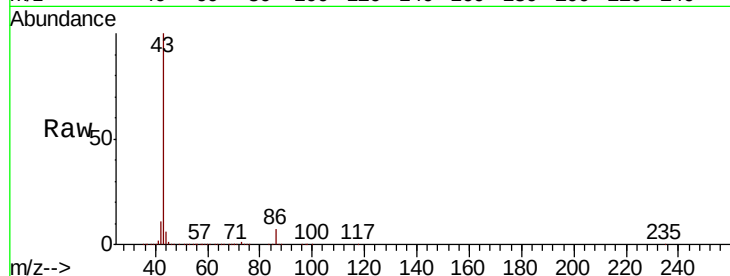
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1837014

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.6
42	11.1	8.9	13.3
44	5.5	4.0	6.0

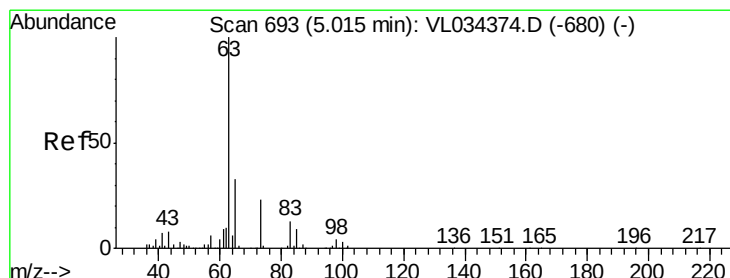
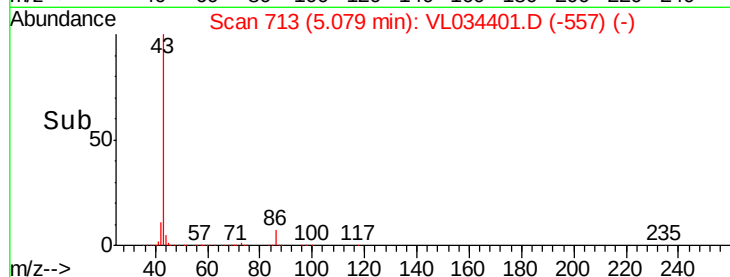
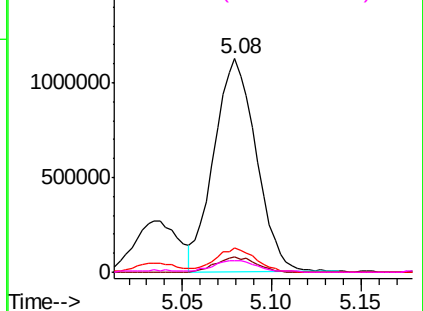


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.514 ppbv

RT: 5.01 min Scan# 693

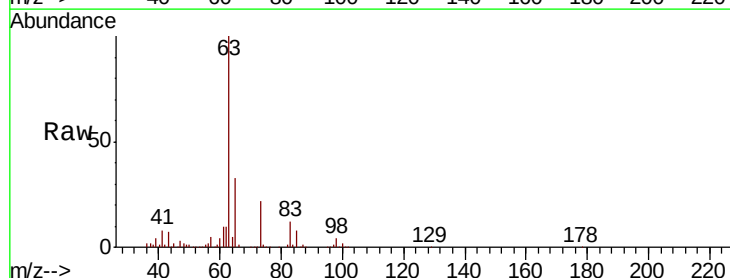
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 63 Resp: 1348080

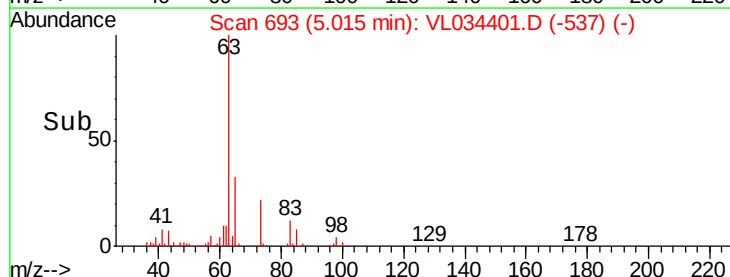
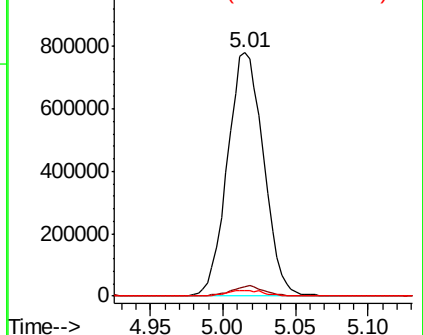
Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.9	5.7
100	2.1	1.4	4.0

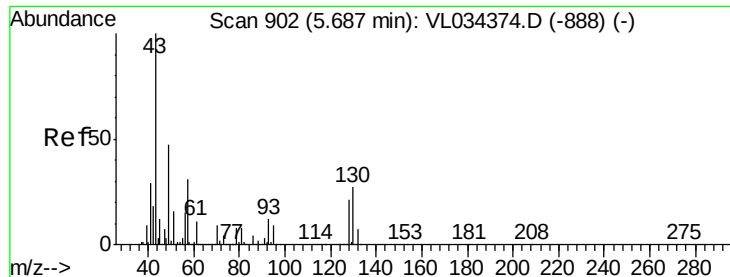


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



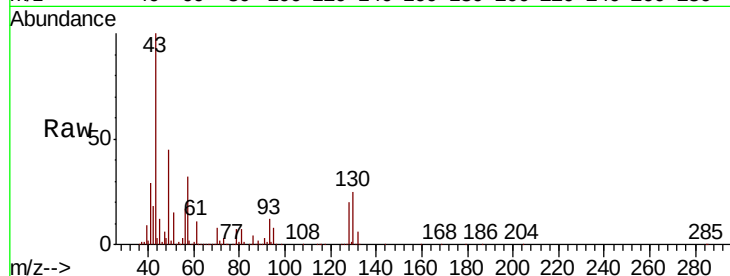


#25
Ethyl Acetate
Concen: 9.331 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2351040

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.2	12.4
61	9.9	7.5	11.3
70	7.2	5.7	8.5



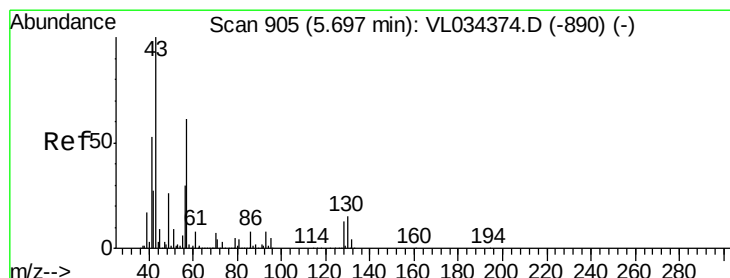
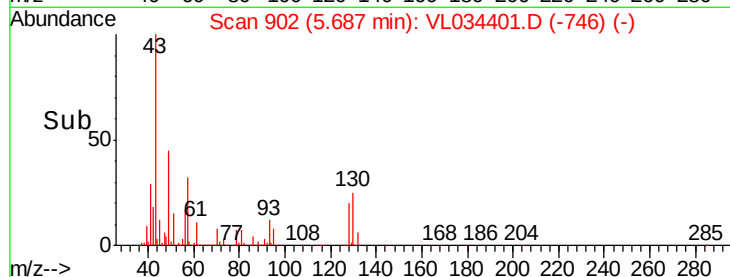
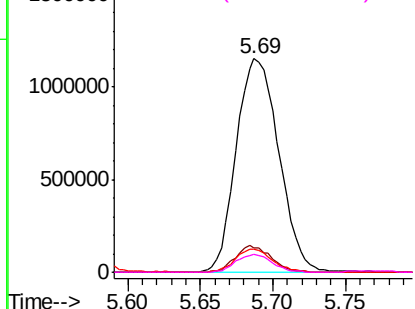
Abundance

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

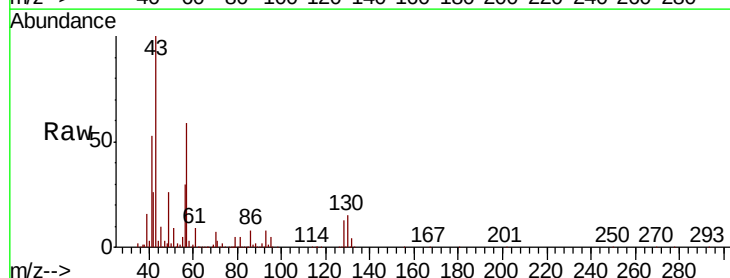
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.325 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 57 Resp: 1009640

Ion	Ratio	Lower	Upper
57	100		
41	93.5	75.0	112.4
43	233.8	186.6	279.8
56	52.9	41.5	62.3



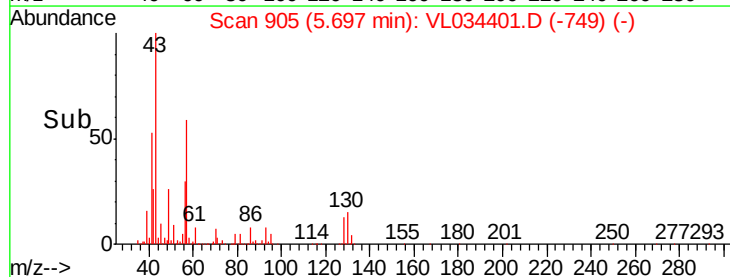
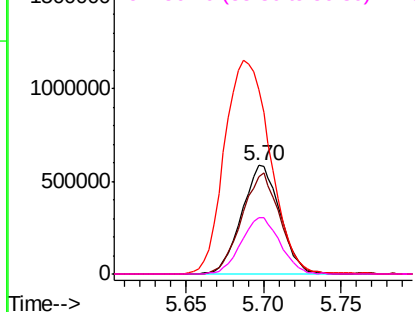
Abundance

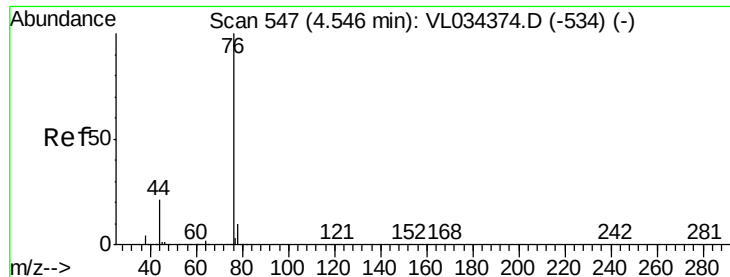
Ion 57.10 (56.80 to 57.80): VL0

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: 11.153 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

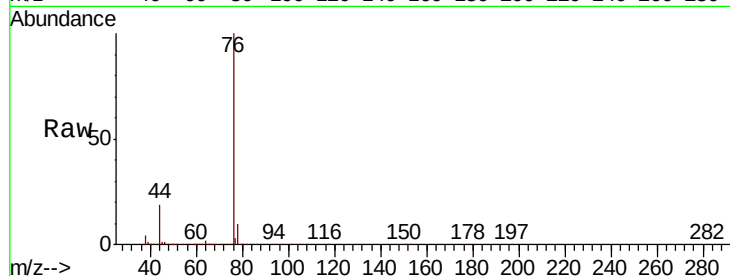
Tot Ion: 76 Resp: 1315267

Ion	Ratio	Lower	Upper
76	100		
44	20.1	17.0	25.4
78	9.8	7.6	11.4

76 100

44 20.1 17.0 25.4

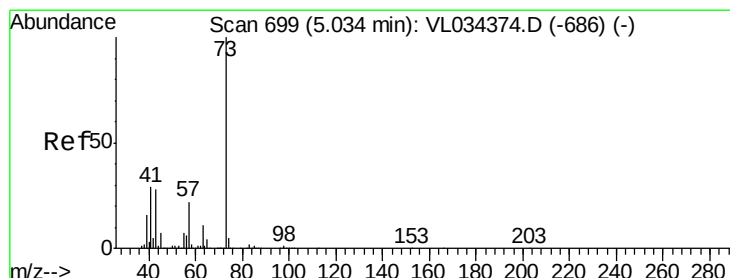
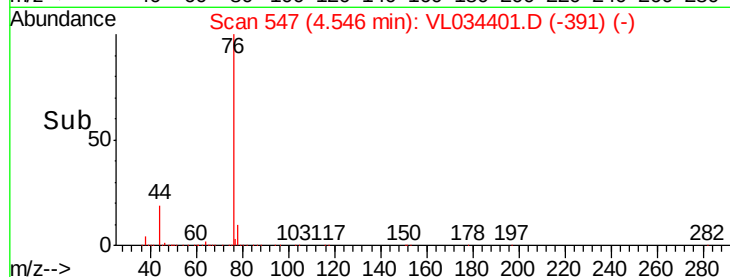
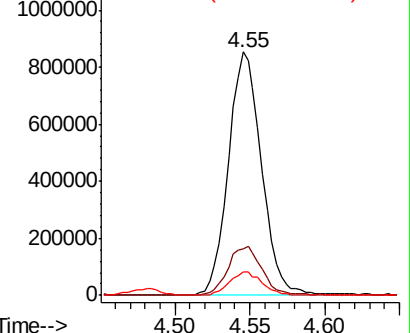
78 9.8 7.6 11.4



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: 9.594 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL034401.D

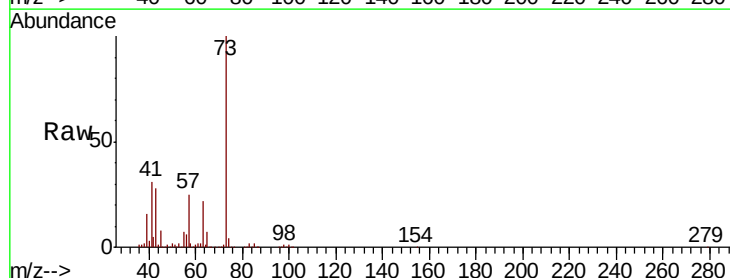
Acq: 25 Nov 2019 10:06

Tgt Ion: 73 Resp: 1722343

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.4	27.6

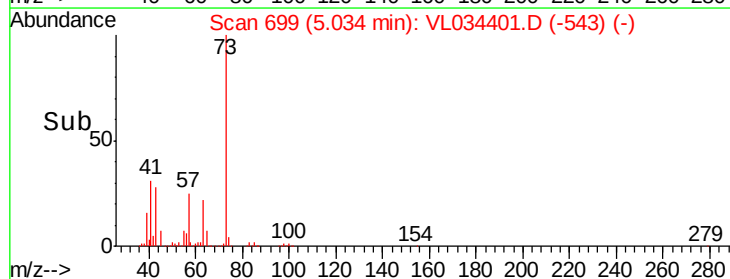
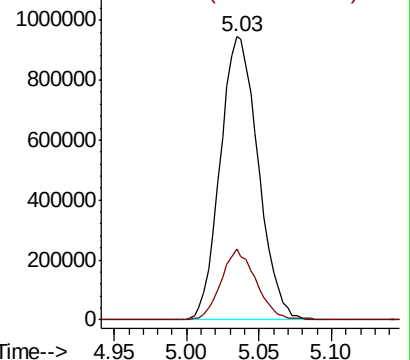
73 100

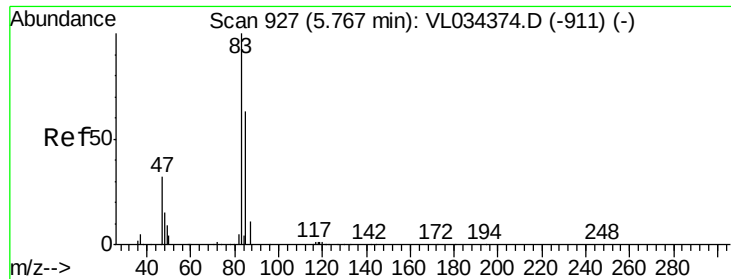
57 23.1 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

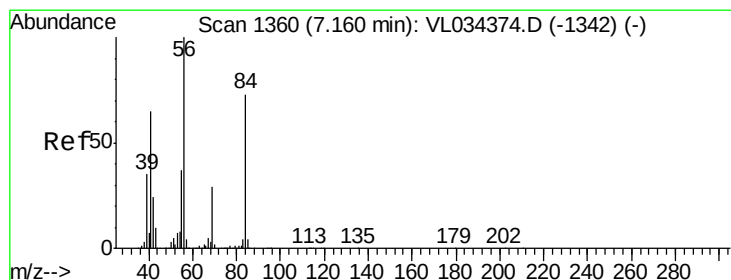
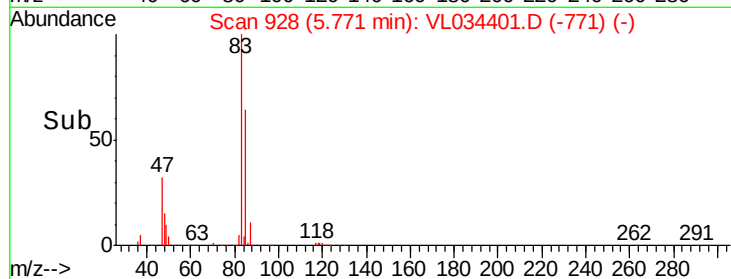
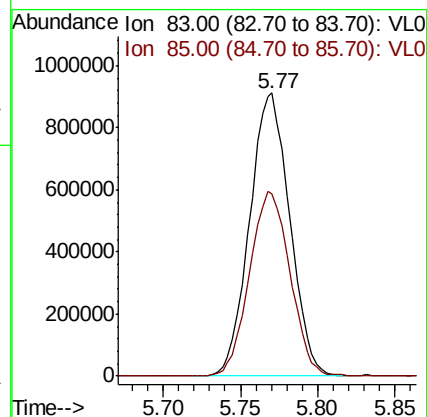
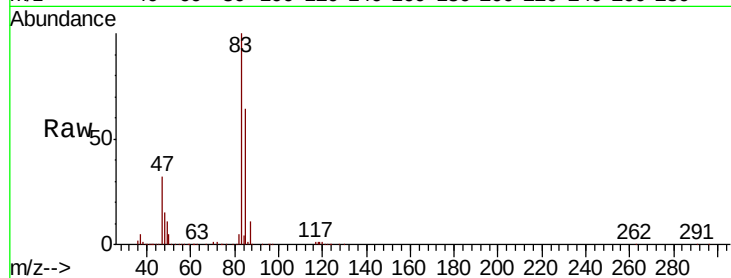




#29
Chloroform
Concen: 9.398 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

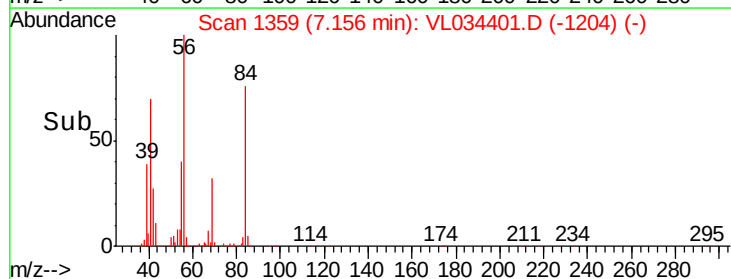
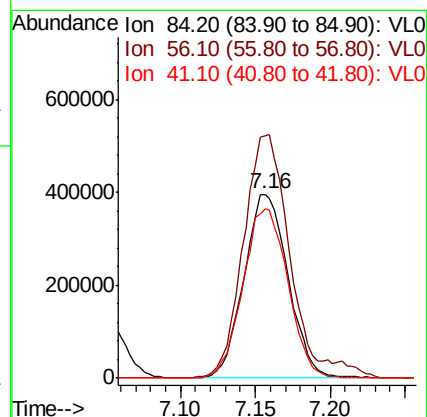
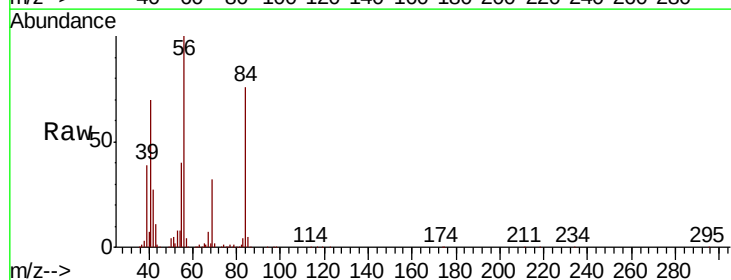
Instrument :
MSVOA_L
ClientSampled :

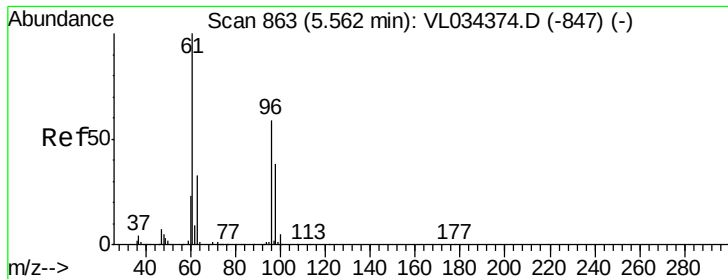
Tot Ion: 83 Resp: 1647812
Ion Ratio Lower Upper
83 100
85 64.3 50.4 75.6



#30
Cyclohexane
Concen: 9.908 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 84 Resp: 811000
Ion Ratio Lower Upper
84 100
56 141.5 112.6 169.0
41 94.0 73.4 110.2



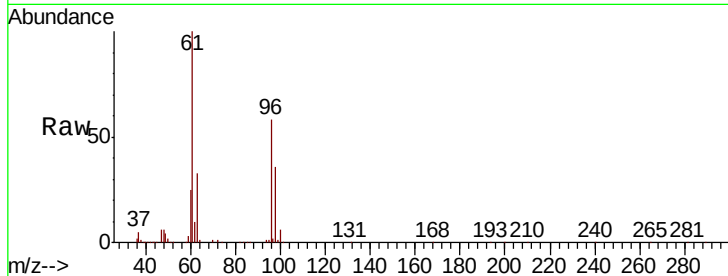


#31

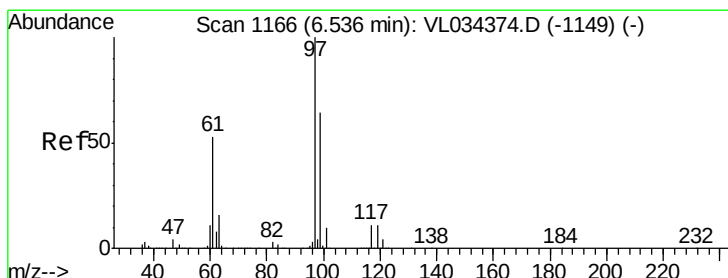
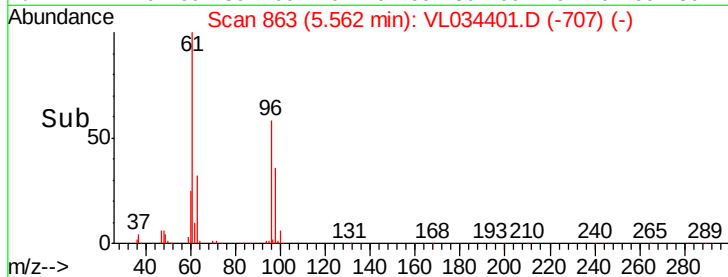
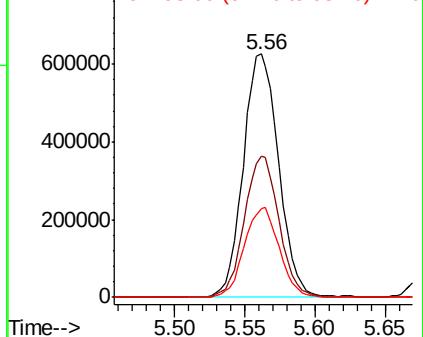
cis-1,2-Dichloroethene
 Concen: 9.828 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1099623
 Ion Ratio Lower Upper
 61 100
 96 58.2 47.4 71.2
 98 36.4 30.6 45.8



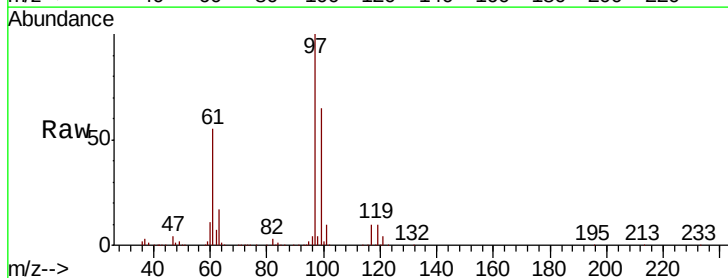
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



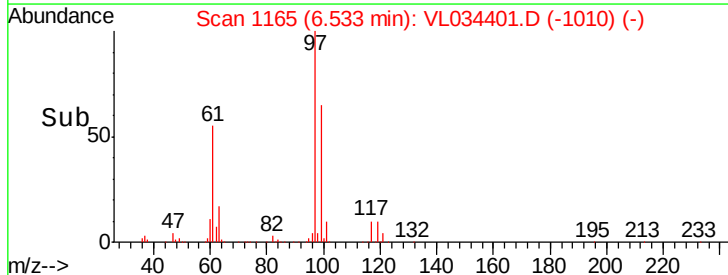
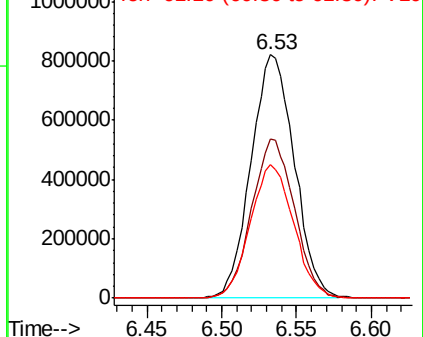
#32

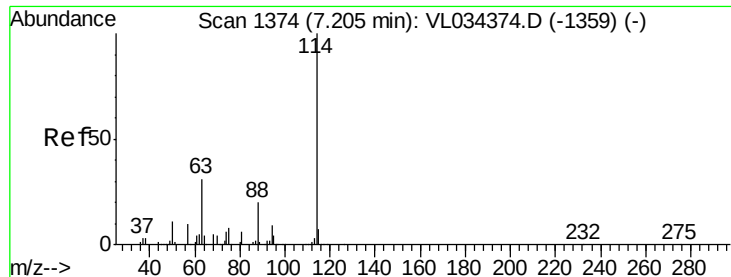
1,1,1-Trichloroethane
 Concen: 10.056 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion: 97 Resp: 1653107
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.3 78.5
 61 55.0 43.7 65.5



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: 7.20 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

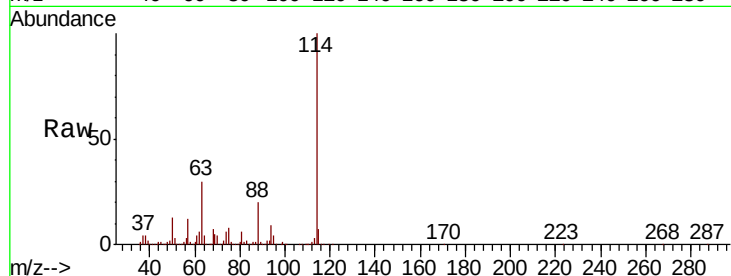
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:114 Resp: 2012207

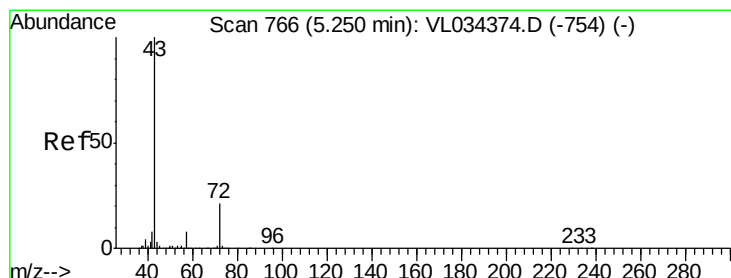
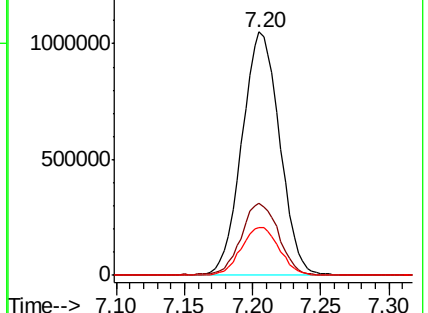
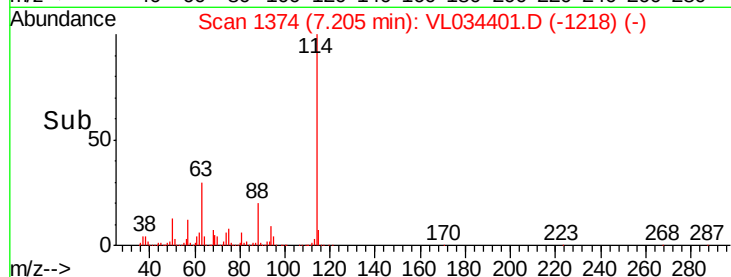
Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.8	15.9	23.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.470 ppbv

RT: 5.25 min Scan# 766

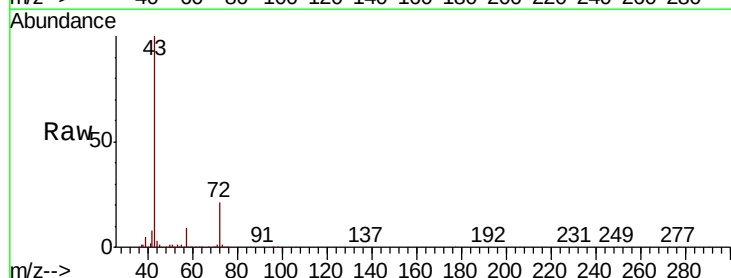
Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

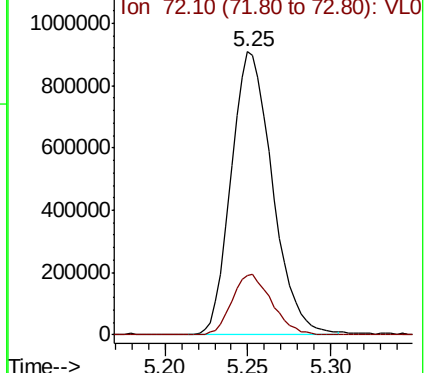
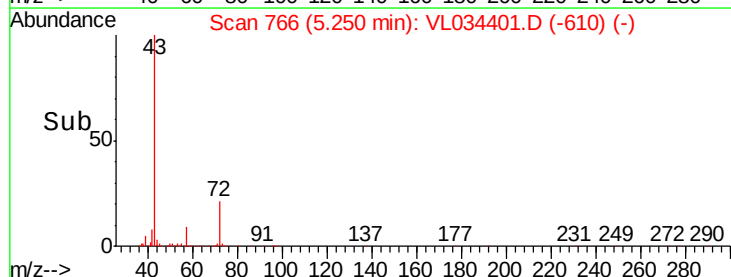
Tgt Ion: 43 Resp: 1568442

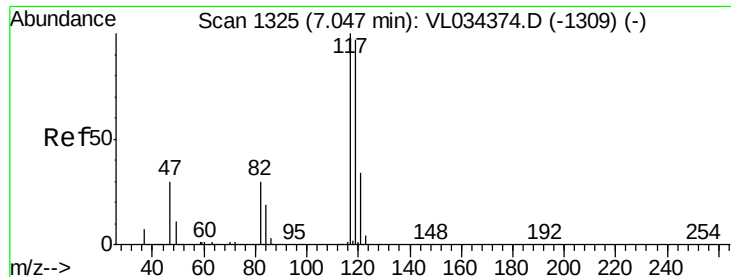
Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.178 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampled :

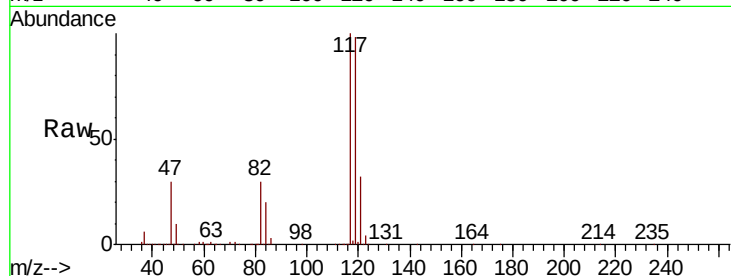
Tot Ion:117 Resp: 1760928

Ion Ratio Lower Upper

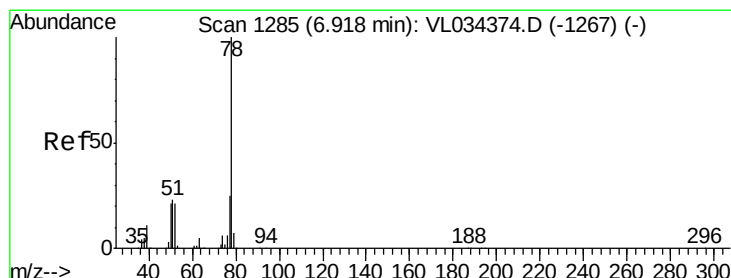
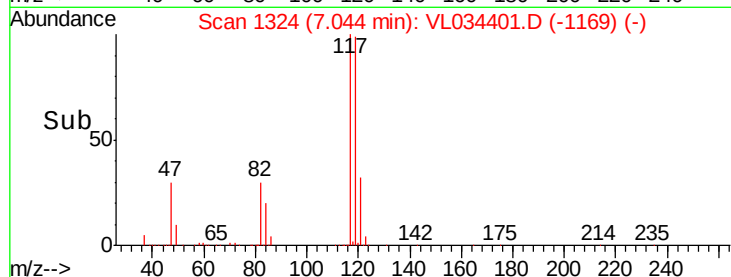
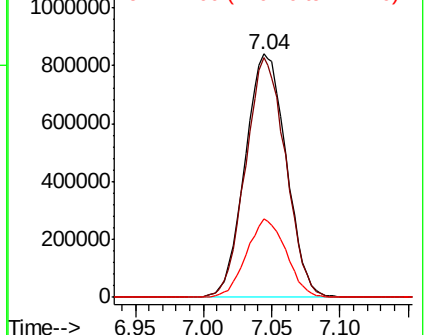
117 100

119 98.5 77.3 115.9

121 32.0 27.4 41.2



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: 9.579 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

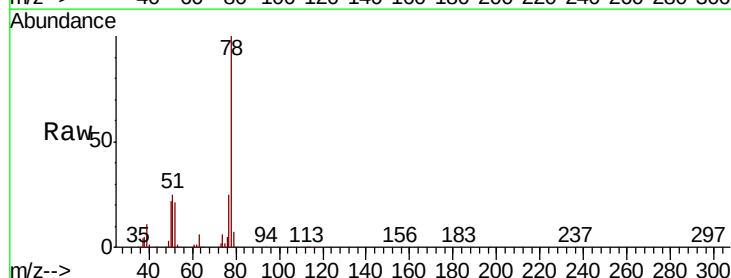
Tgt Ion: 78 Resp: 1926706

Ion Ratio Lower Upper

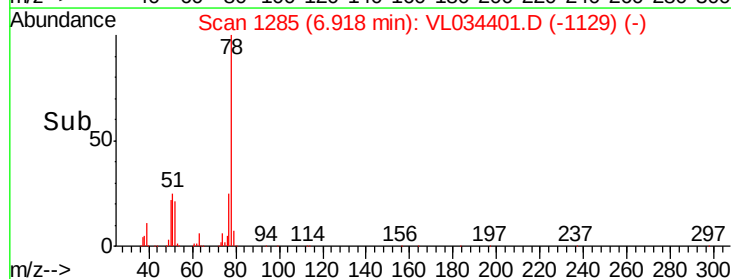
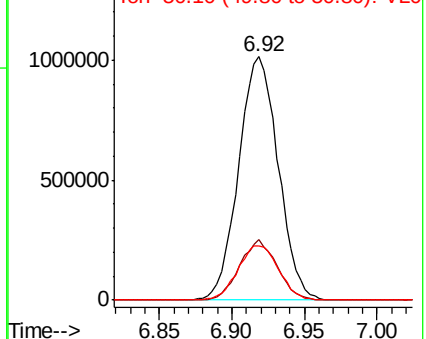
78 100

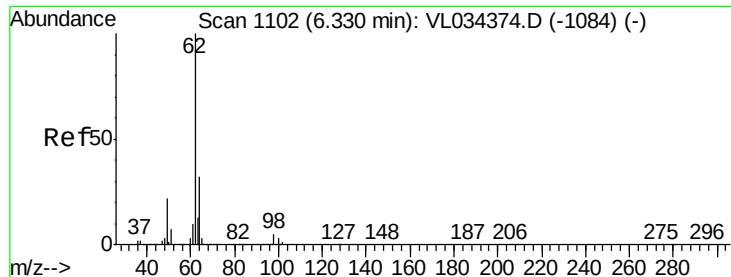
77 25.0 20.2 30.4

50 22.2 17.1 25.7



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

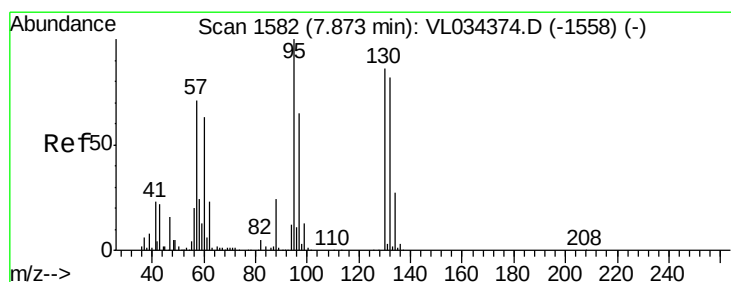
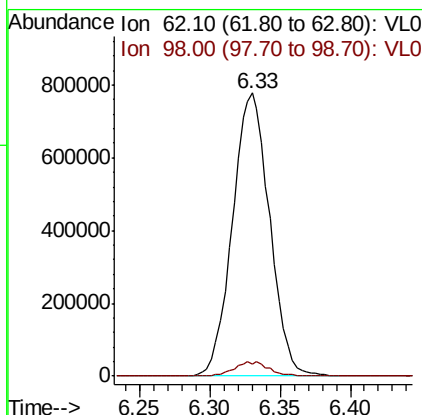
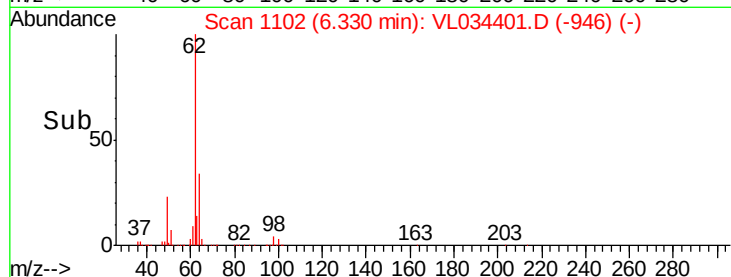
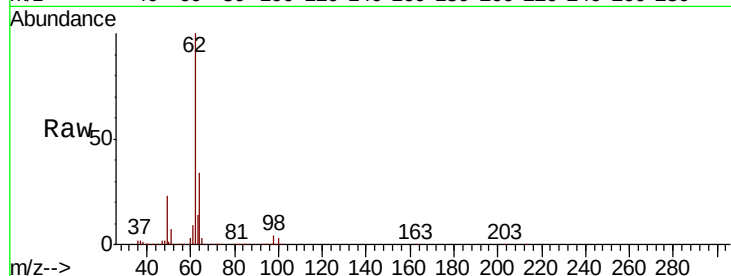




#37
1,2-Dichloroethane
Concen: 9.581 ppbv
RT: 6.33 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

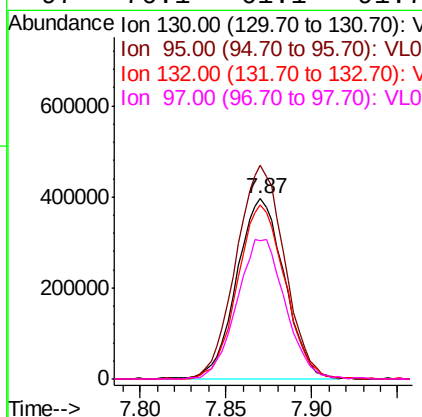
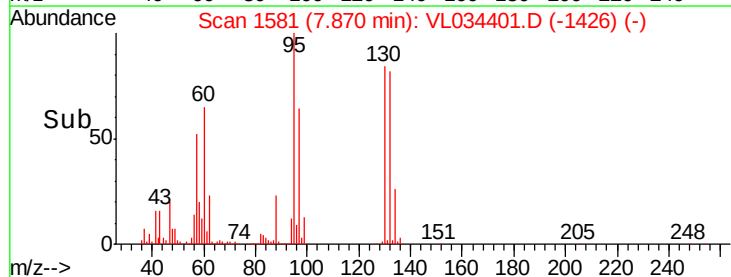
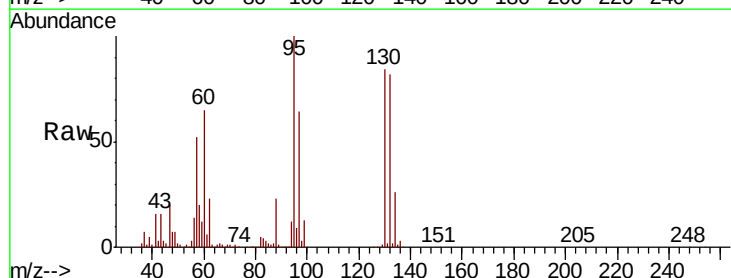
Instrument :
MSVOA_L
ClientSampled :

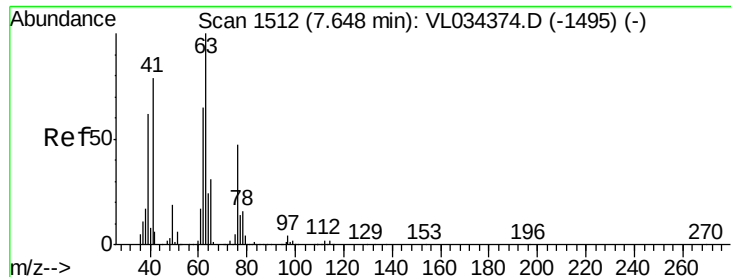
Tot Ion: 62 Resp: 1431708
Ion Ratio Lower Upper
62 100
98 4.8 3.8 5.8



#38
Trichloroethene
Concen: 9.176 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 130 Resp: 757457
Ion Ratio Lower Upper
130 100
95 118.3 93.4 140.0
132 96.7 76.4 114.6
97 76.1 61.1 91.7





#39

1,2-Dichloropropane

Concen: 10.190 ppbv

RT: 7.65 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

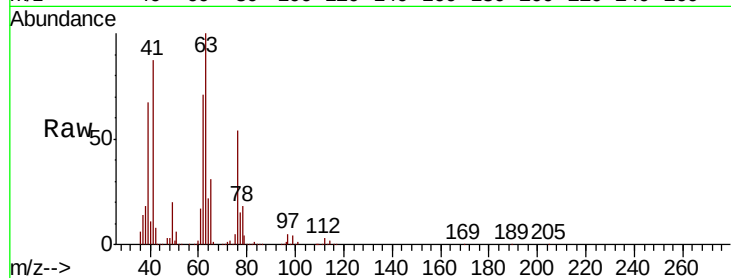
Tot Ion: 63 Resp: 789669

Ion Ratio Lower Upper

63 100

41 86.9 63.1 94.7

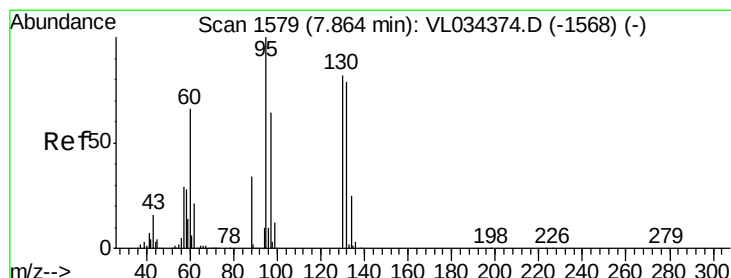
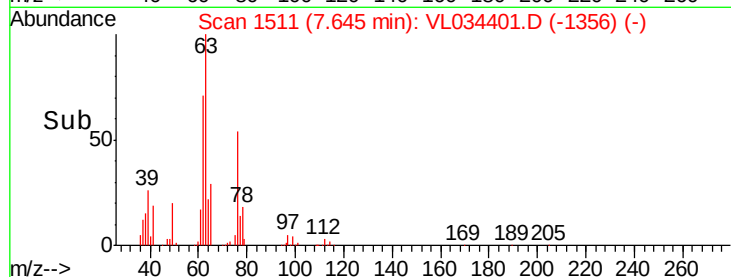
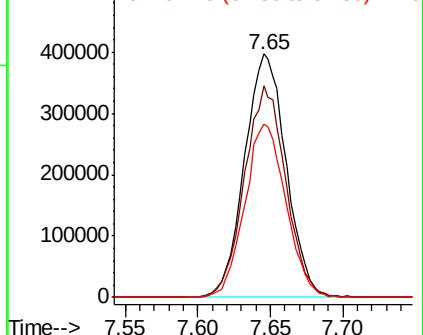
62 71.0 52.3 78.5



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: 7.910 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 88 Resp: 267778

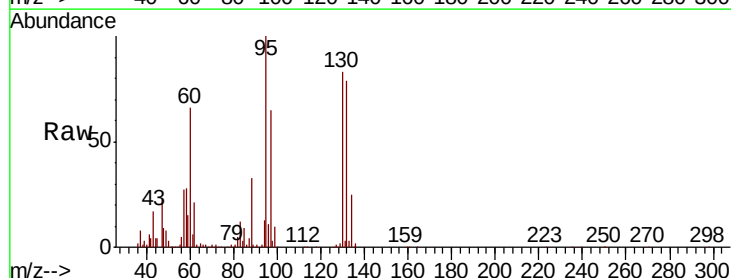
Ion Ratio Lower Upper

88 100

58 140.9 109.5 164.3

43 308.3 0.0 0.0#

57 1276.4 0.0 0.0#

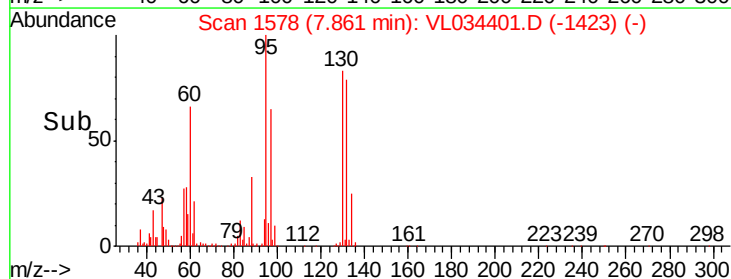
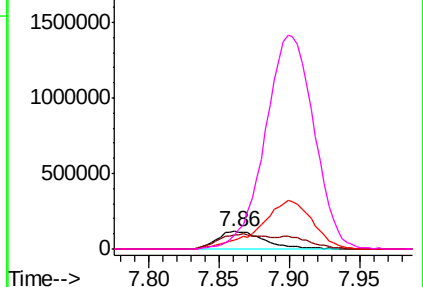


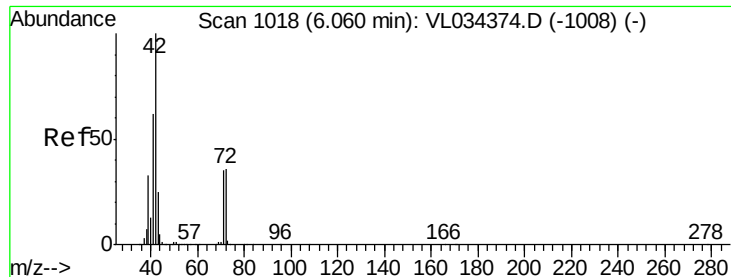
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.726 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

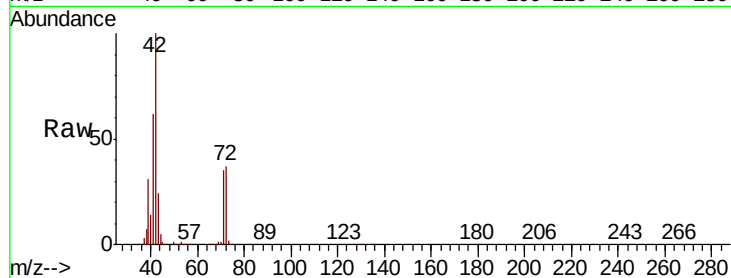
Tot Ion: 42 Resp: 903561

Ion Ratio Lower Upper

42 100

72 36.7 30.2 45.4

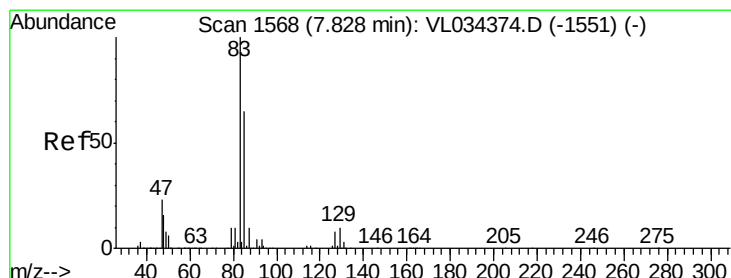
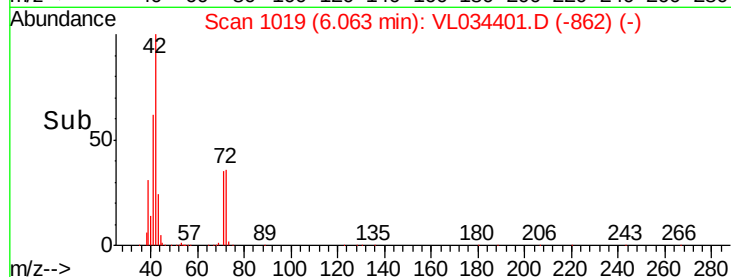
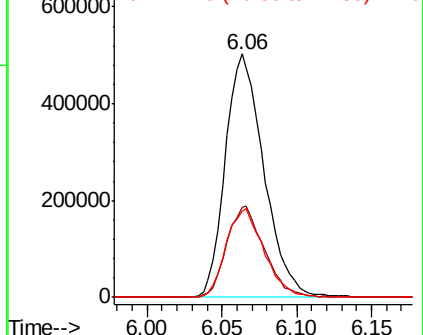
71 36.0 29.4 44.2



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: 9.892 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

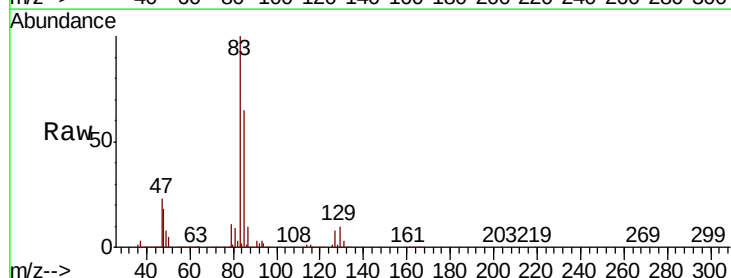
Tgt Ion: 83 Resp: 1848637

Ion Ratio Lower Upper

83 100

85 64.6 52.3 78.5

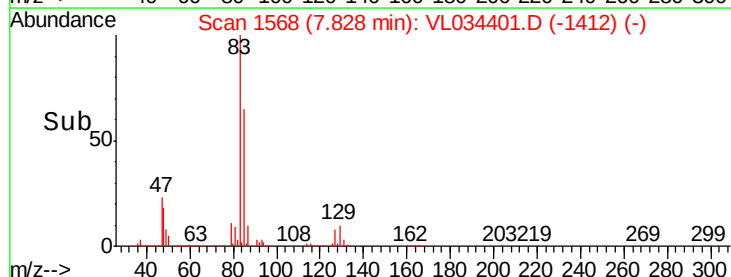
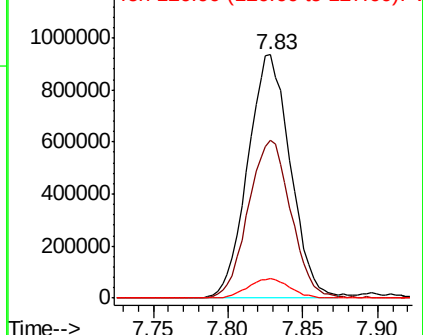
127 8.3 6.1 9.1

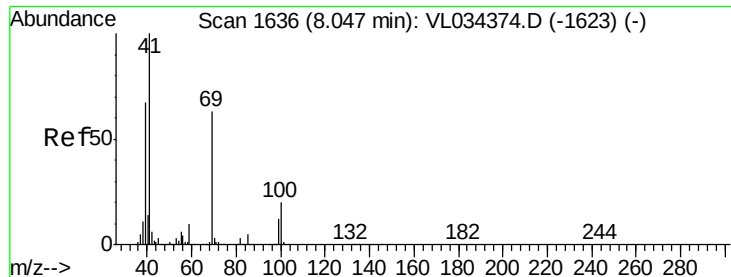


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

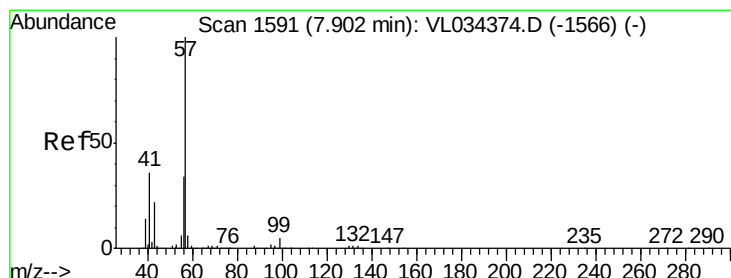
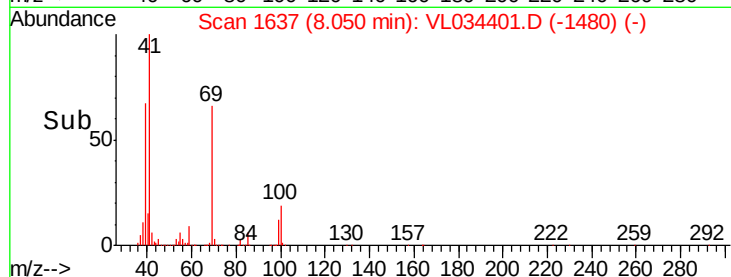
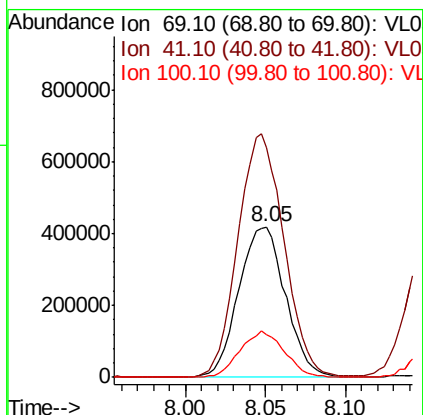
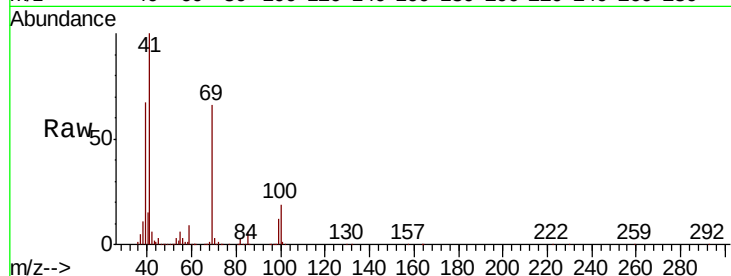




#43
Methyl Methacrylate
Concen: 9.979 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

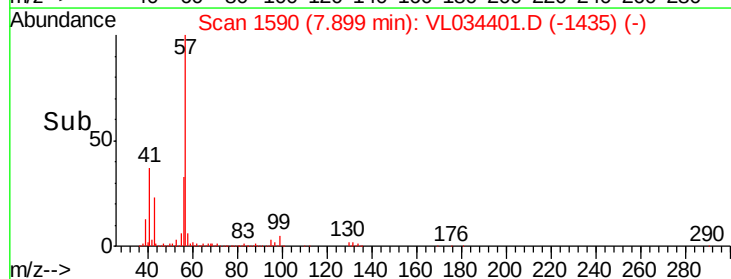
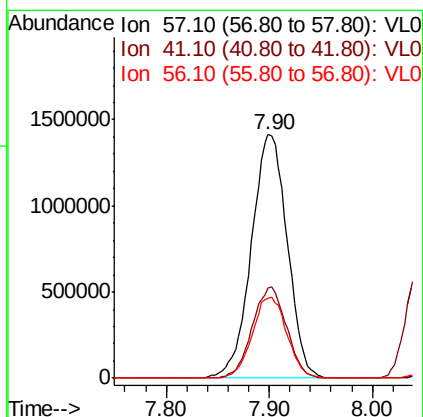
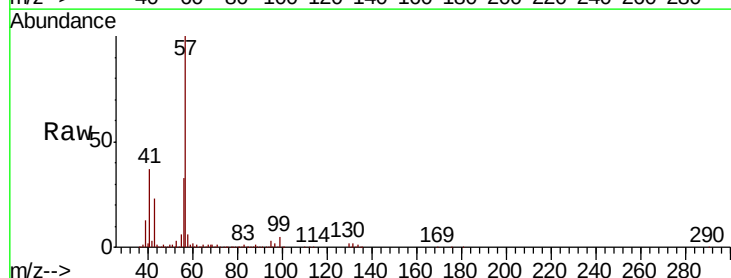
Instrument :
MSVOA_L
ClientSampled :

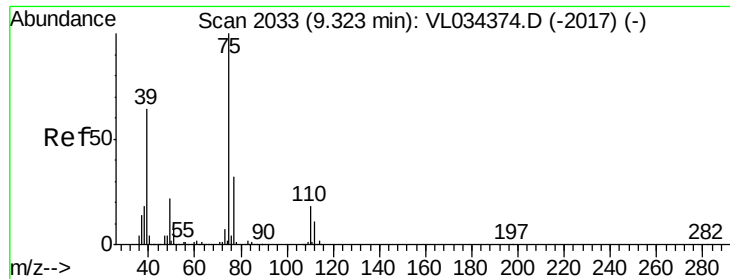
Tot Ion: 69 Resp: 832532
Ion Ratio Lower Upper
69 100
41 159.8 127.4 191.2
100 29.3 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 9.287 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 57 Resp: 3413806
Ion Ratio Lower Upper
57 100
41 35.7 28.6 42.8
56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.991 ppbv

RT: 9.32 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

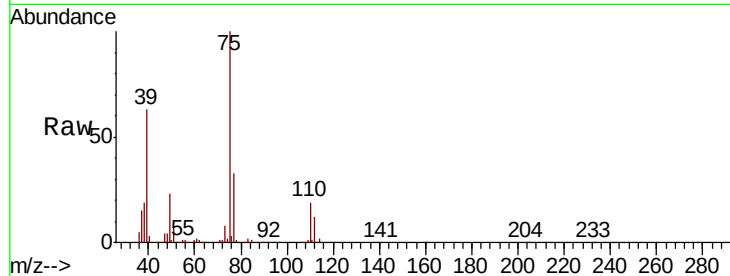
ClientSampleId :

Tot Ion: 75 Resp: 1175996

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.32

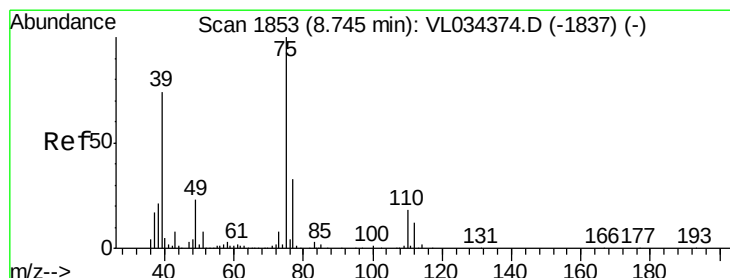
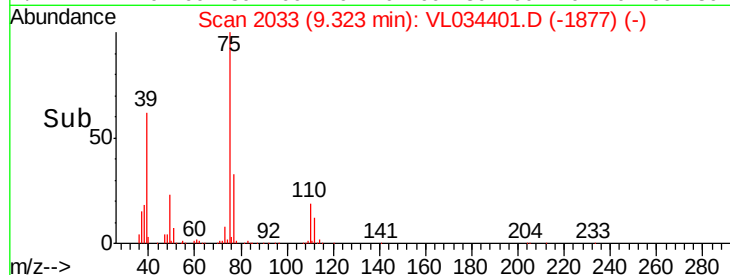
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.689 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

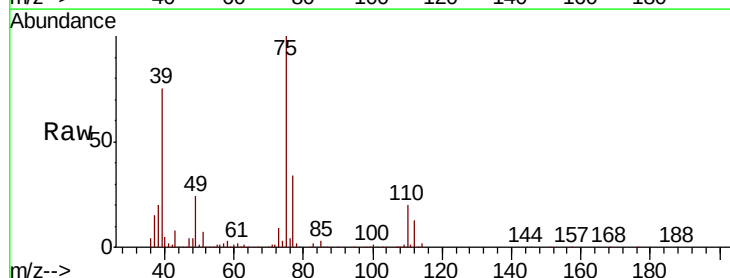
Tgt Ion: 75 Resp: 1284614

Ion Ratio Lower Upper

75 100

39 75.3 59.0 88.6

77 33.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.74

800000

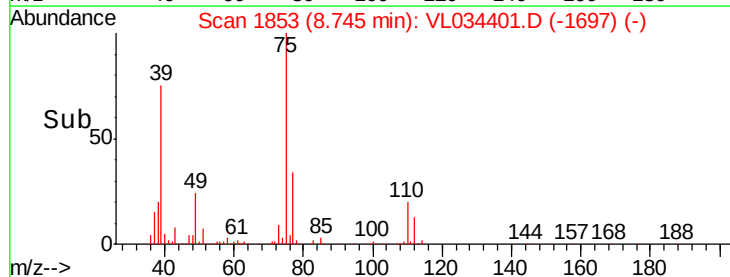
600000

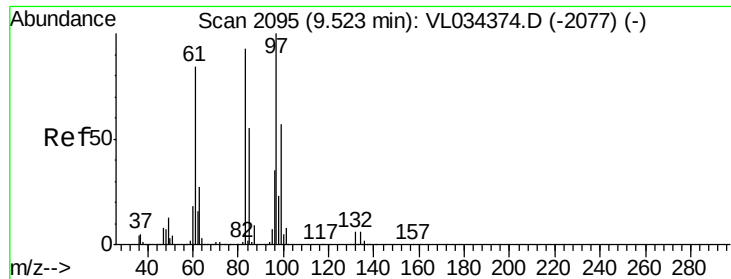
400000

200000

0

Time-->

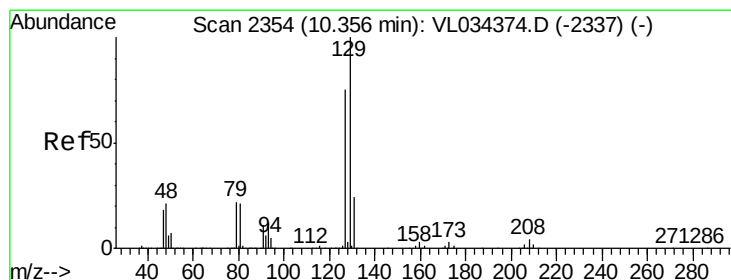
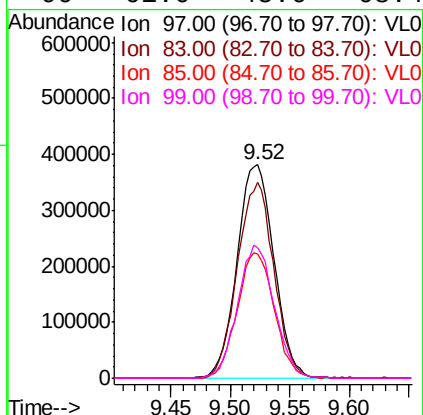
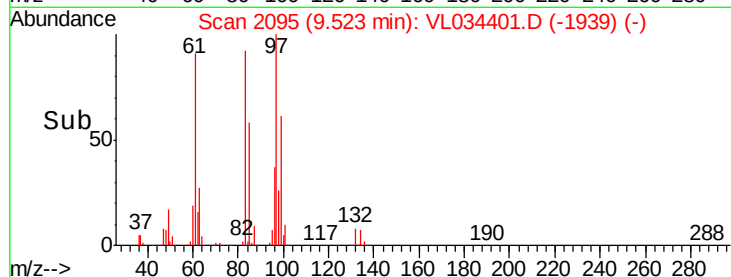
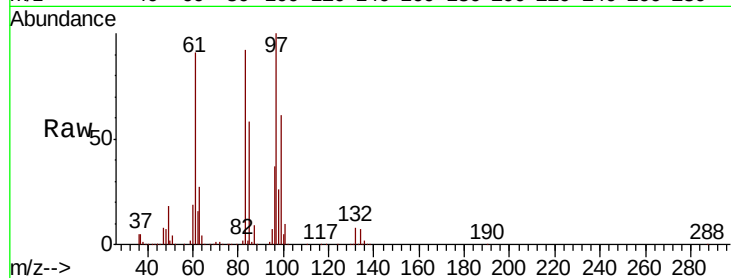




#47
 1,1,2-Trichloroethane
 Concen: 9.535 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

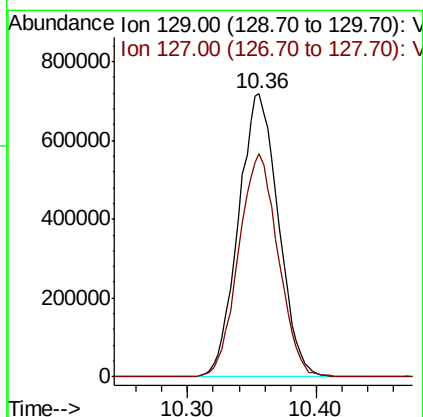
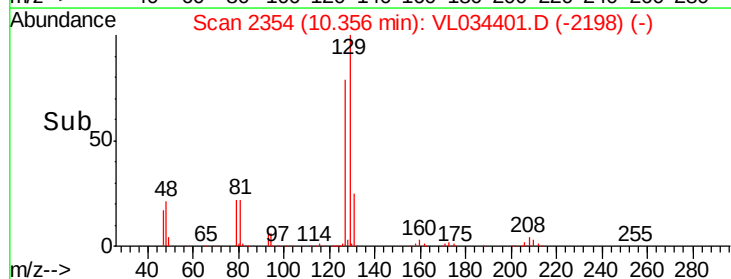
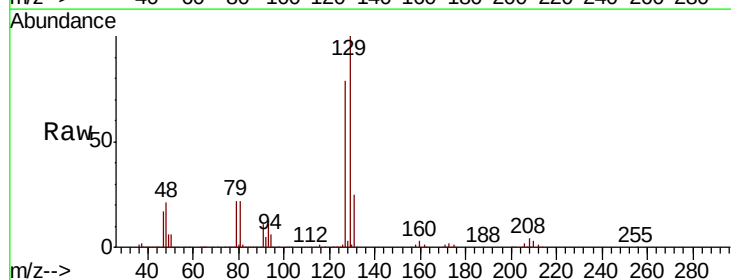
Instrument :
 MSVOA_L
 ClientSampled :

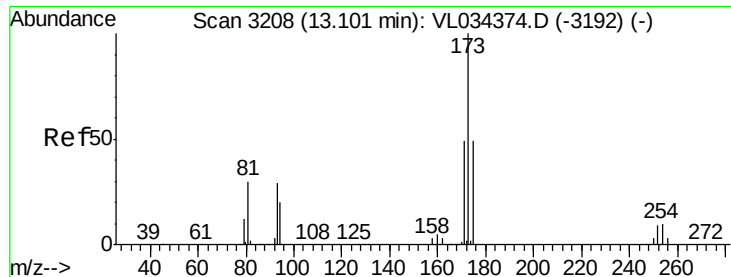
Tot Ion: 97 Resp: 821923
 Ion Ratio Lower Upper
 97 100
 83 91.5 74.6 112.0
 85 58.2 43.8 65.8
 99 61.0 45.6 68.4



#48
 Dibromochloromethane
 Concen: 10.473 ppbv
 RT: 10.36 min Scan# 2354
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion: 129 Resp: 1550104
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.1 117.5





#49

Bromoform

Concen: 10.624 ppbv

RT: 13.10 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampled :

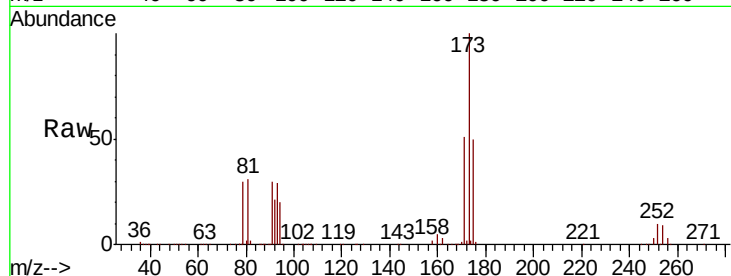
Tot Ion:173 Resp: 1403624

Ion Ratio Lower Upper

173 100

175 50.1 39.3 58.9

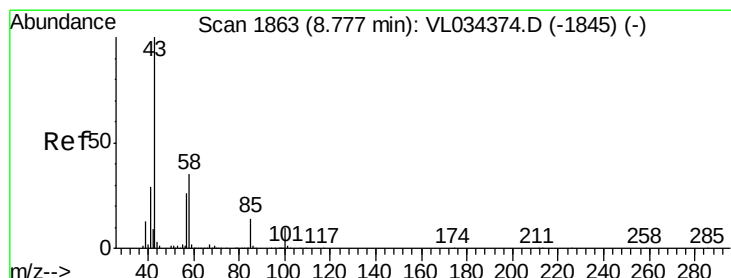
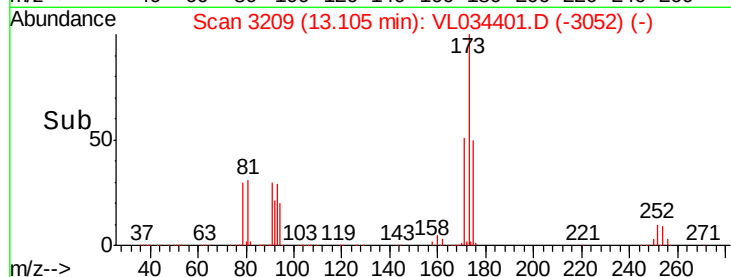
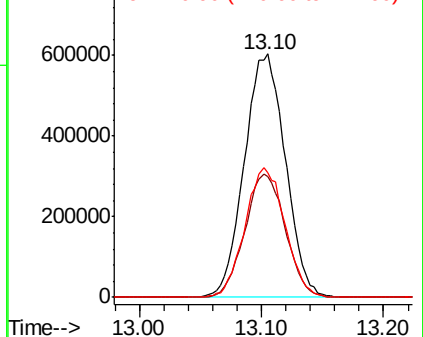
171 52.2 42.4 63.6



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: 9.729 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VL034401.D

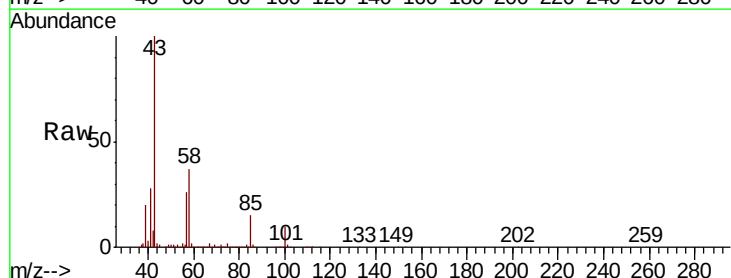
Acq: 25 Nov 2019 10:06

Tgt Ion: 43 Resp: 2331496

Ion Ratio Lower Upper

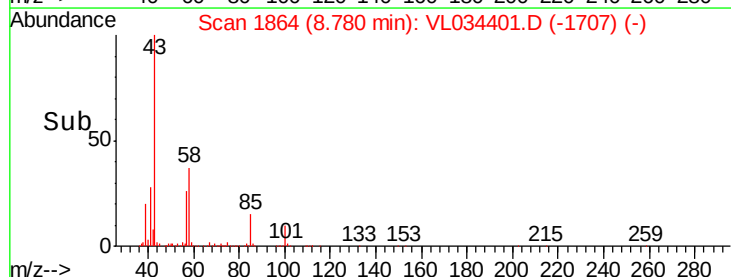
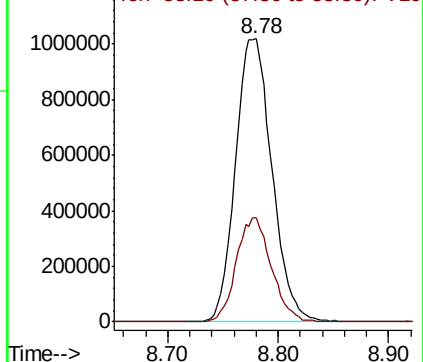
43 100

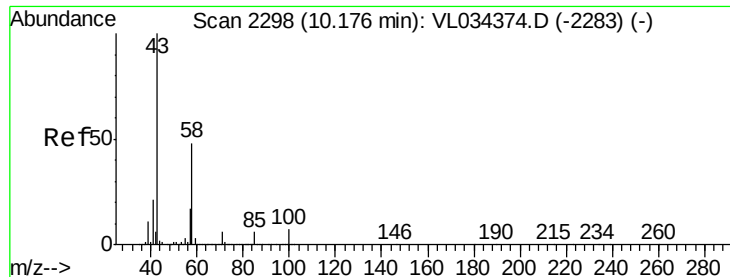
58 35.4 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

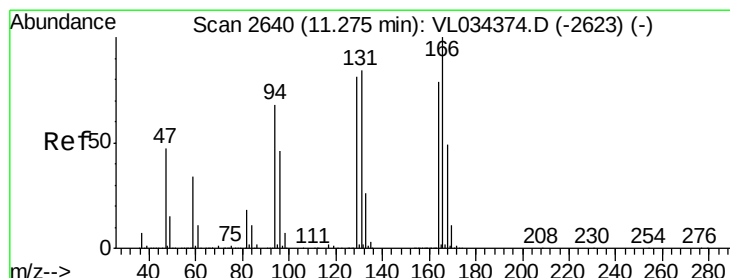
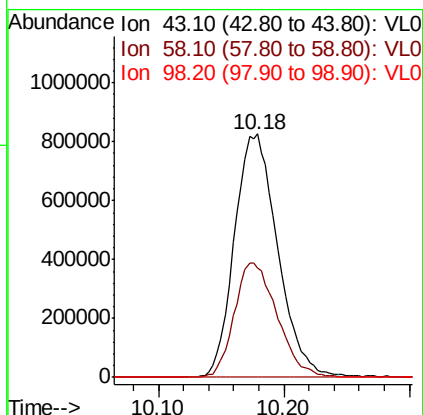
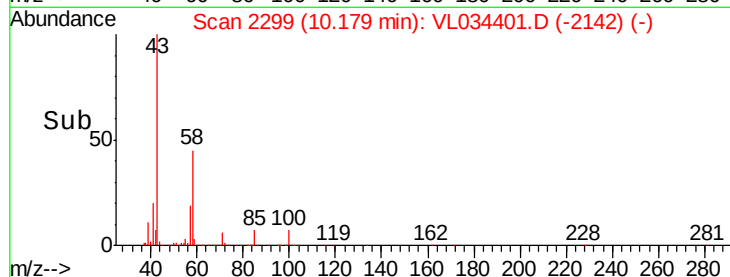
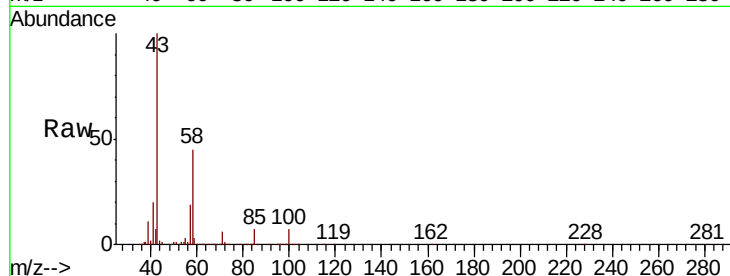




#51
2-Hexanone
Concen: 9.844 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

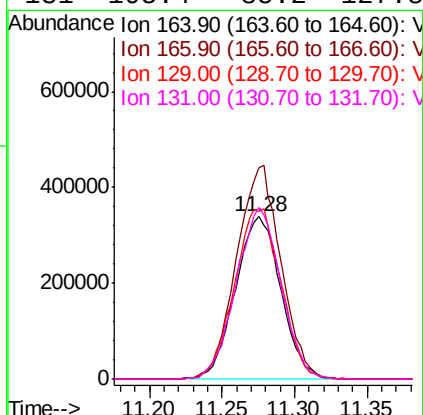
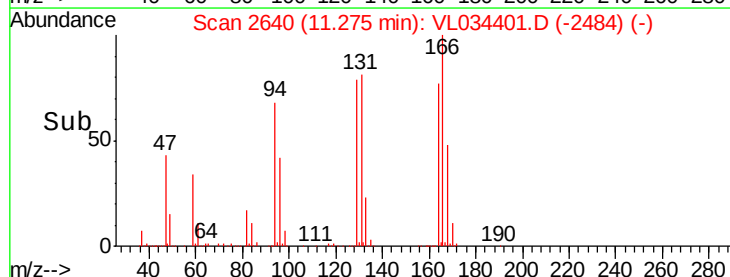
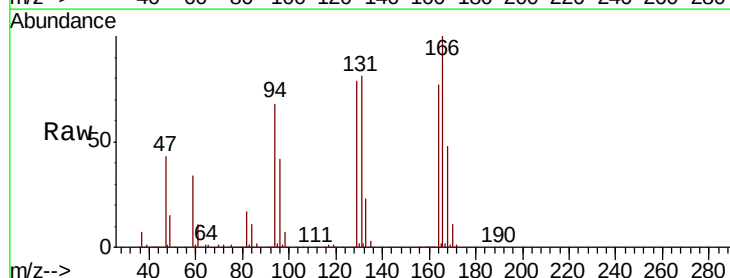
Instrument :
MSVOA_L
ClientSampleId :

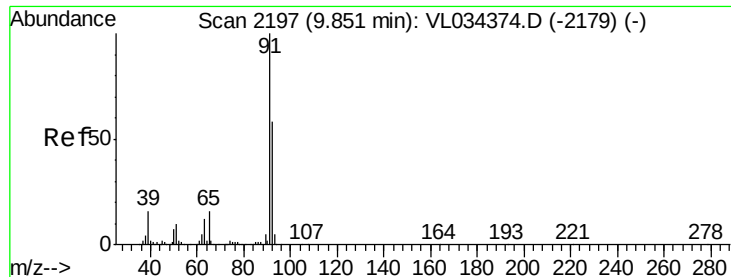
Tot Ion: 43 Resp: 1975930
Ion Ratio Lower Upper
43 100
58 46.9 38.2 57.4
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.439 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion:164 Resp: 734492
Ion Ratio Lower Upper
164 100
166 130.3 101.7 152.5
129 103.5 82.6 123.8
131 105.4 85.2 127.8





#53

Toluene

Concen: 9.918 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

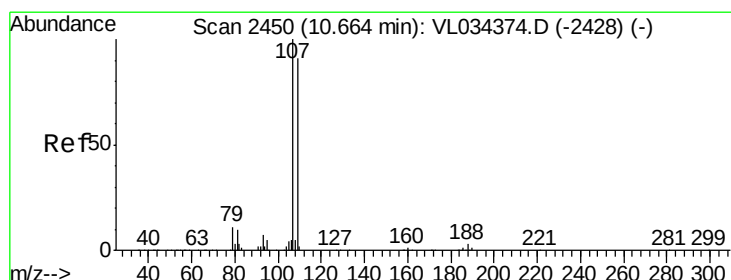
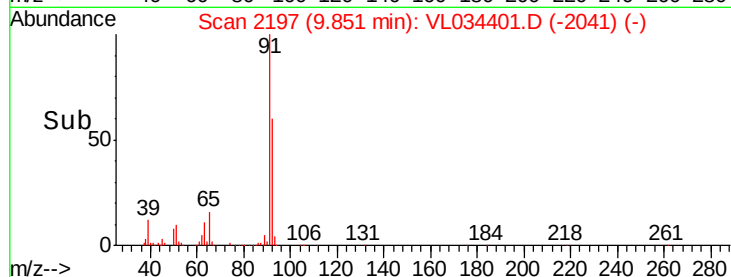
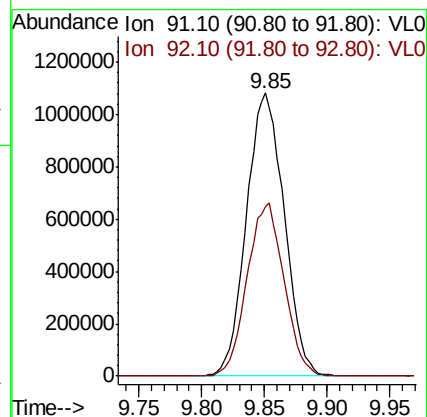
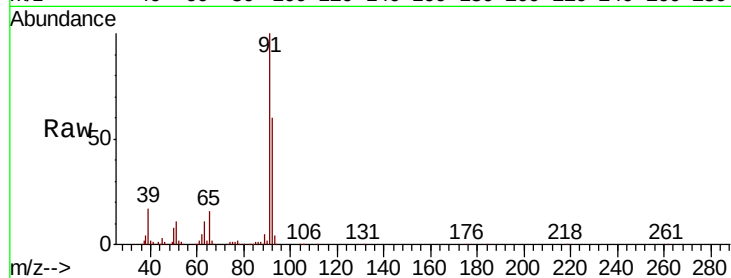
ClientSampleId :

Tot Ion: 91 Resp: 2266031

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.562 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL034401.D

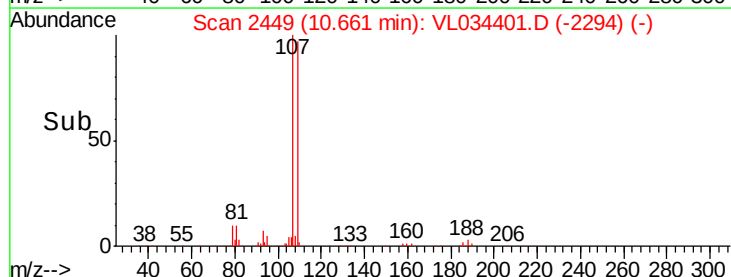
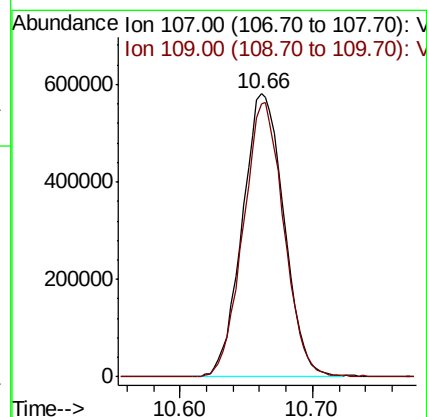
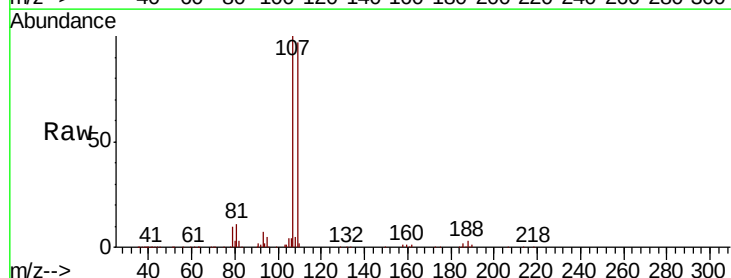
Acq: 25 Nov 2019 10:06

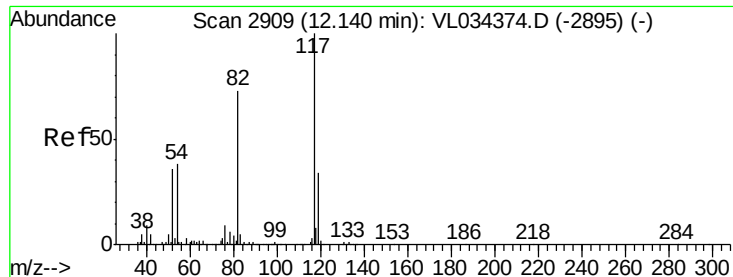
Tgt Ion: 107 Resp: 1263658

Ion Ratio Lower Upper

107 100

109 96.6 73.0 109.4

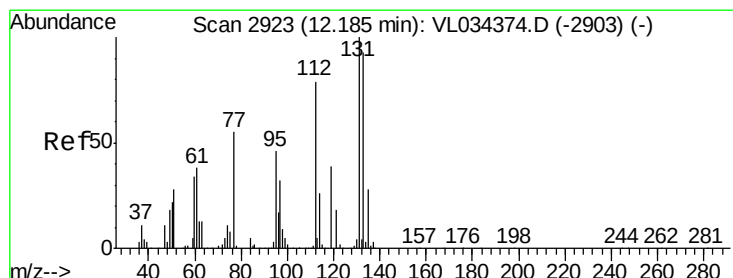
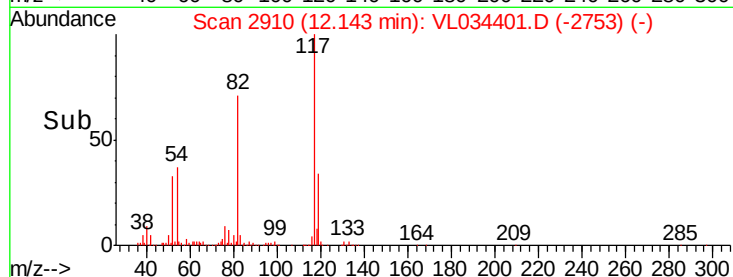
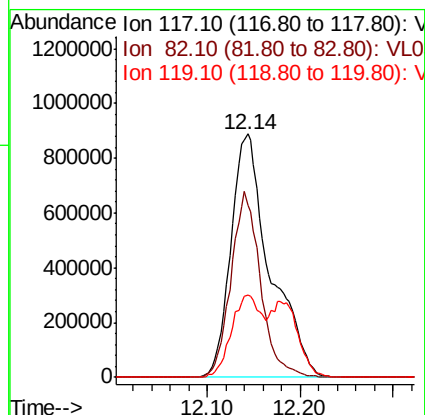
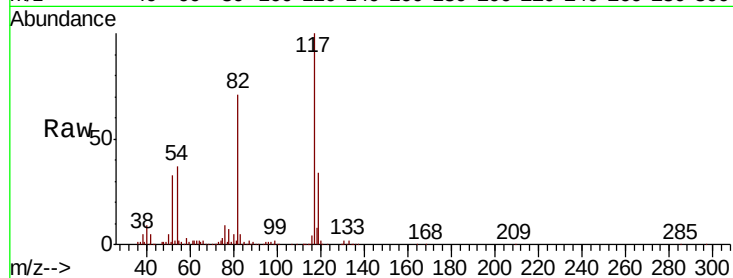




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

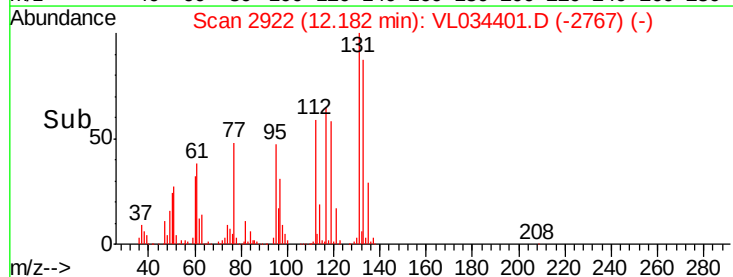
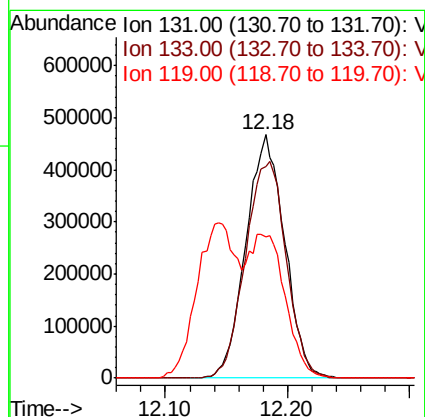
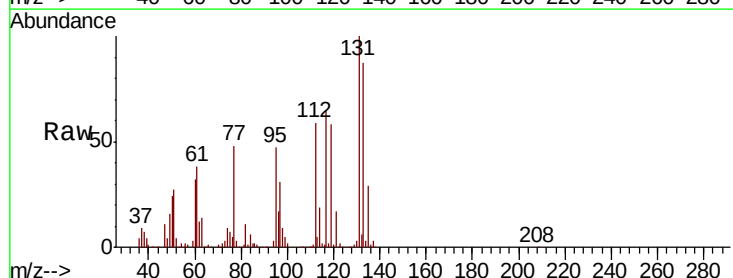
Instrument :
MSVOA_L
ClientSampled :

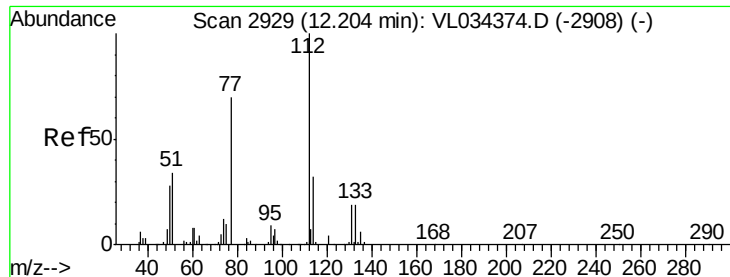
Tot Ion:117 Resp: 2609130
Ion Ratio Lower Upper
117 100
82 57.6 57.5 86.3
119 24.4 25.4 38.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.002 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion:131 Resp: 1021236
Ion Ratio Lower Upper
131 100
133 94.3 76.2 114.2
119 61.6 44.6 67.0

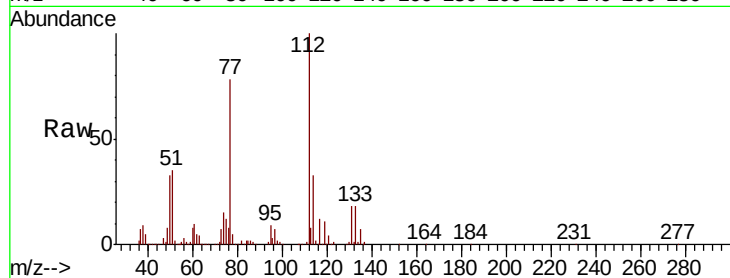




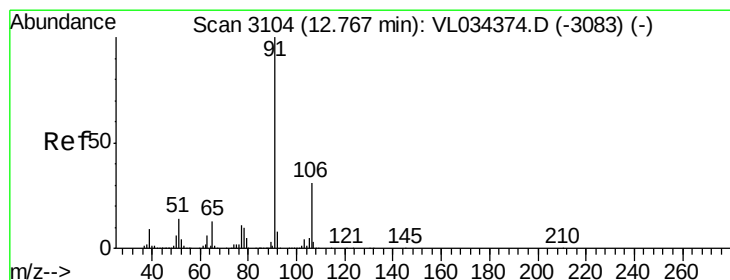
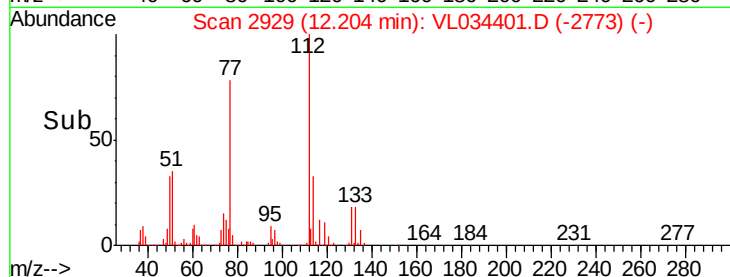
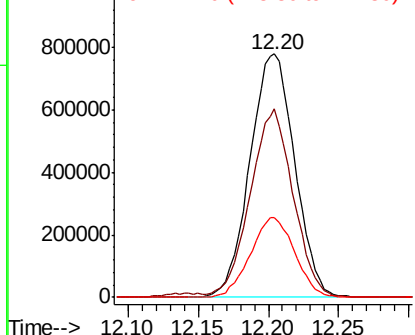
#57
Chlorobenzene
Concen: 7.307 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 1723343
Ion Ratio Lower Upper
112 100
77 77.1 57.1 85.7
114 32.8 28.5 34.9

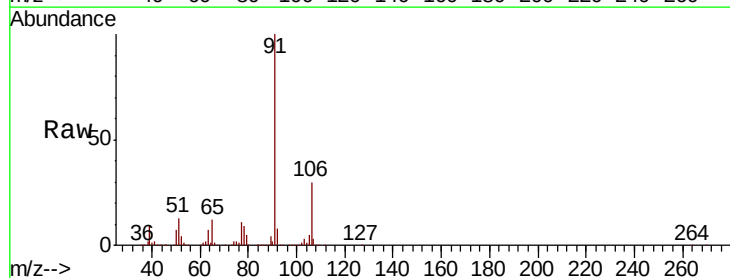


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

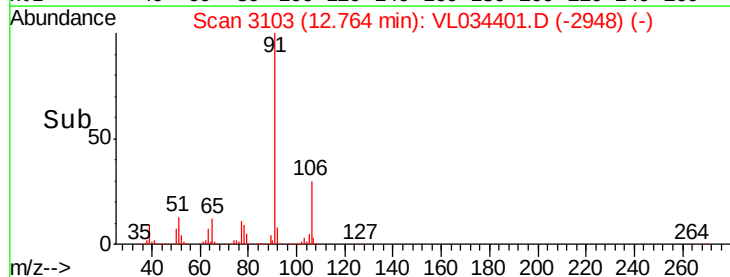
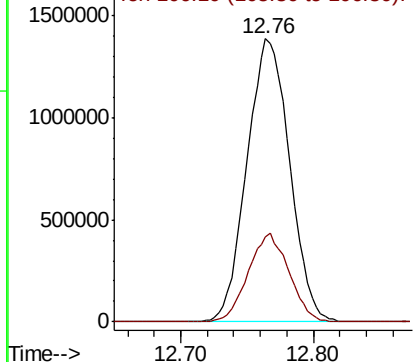


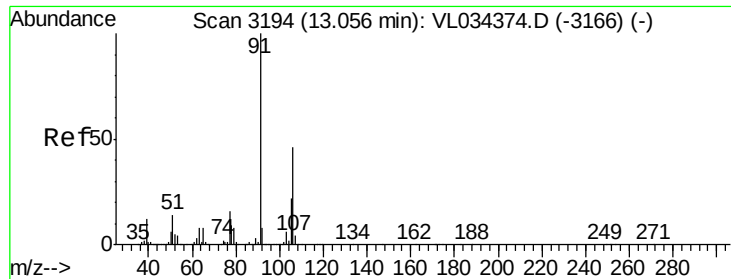
#58
Ethyl Benzene
Concen: 7.675 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion: 91 Resp: 3107591
Ion Ratio Lower Upper
91 100
106 29.9 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.145 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

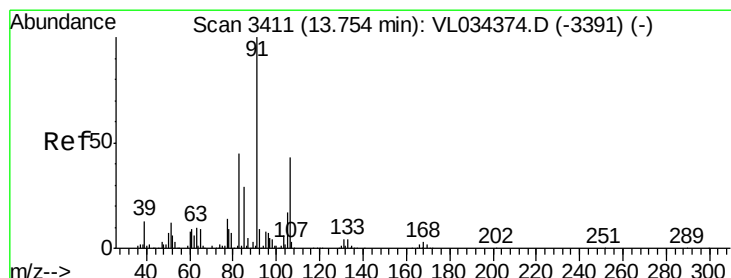
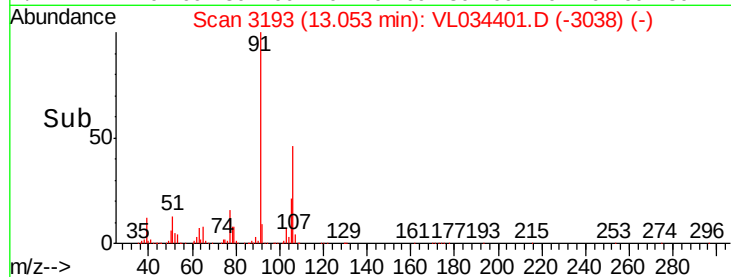
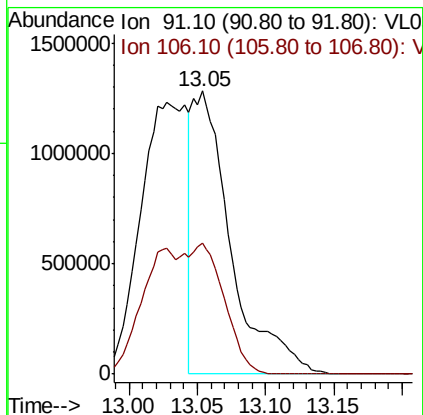
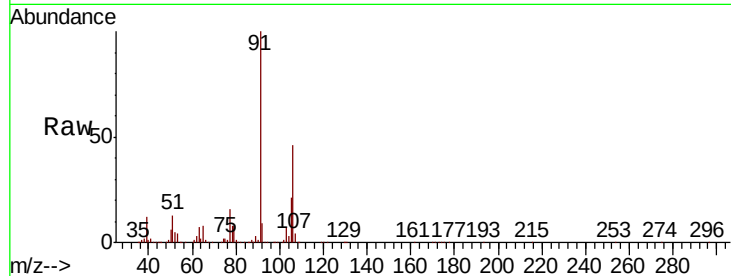
ClientSampled :

Tot Ion: 91 Resp: 2500662

Ion Ratio Lower Upper

91 100

106 91.2 34.6 51.8#



#60

o-Xylene

Concen: 7.524 ppbv

RT: 13.75 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VL034401.D

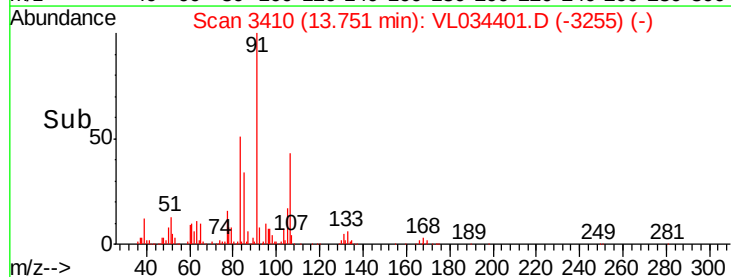
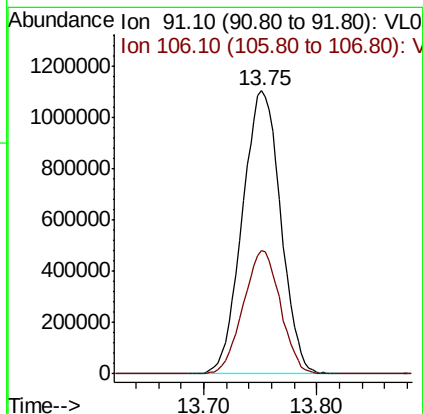
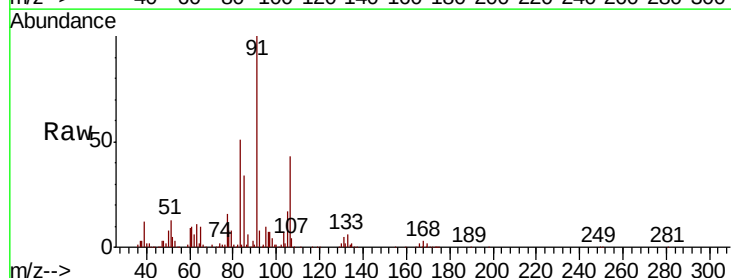
Acq: 25 Nov 2019 10:06

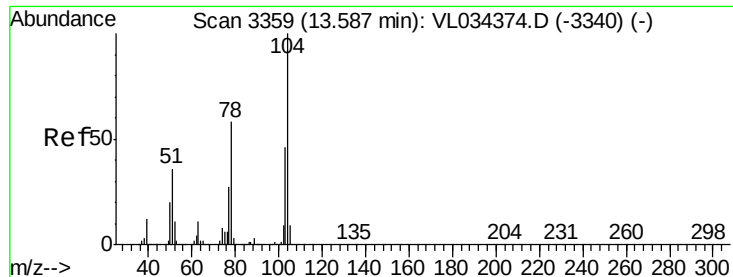
Tgt Ion: 91 Resp: 2603785

Ion Ratio Lower Upper

91 100

106 42.3 21.3 64.0





#61

Stvrene

Concen: 7.750 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

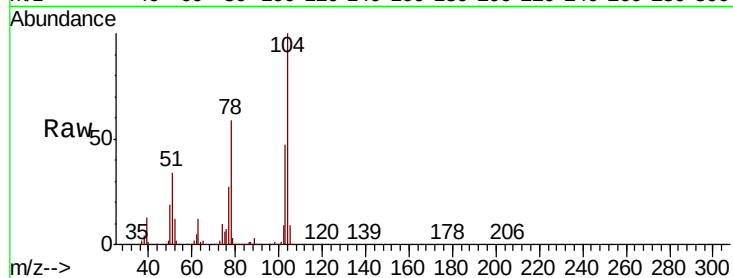
Tot Ion:104 Resp: 1934124

Ion Ratio Lower Upper

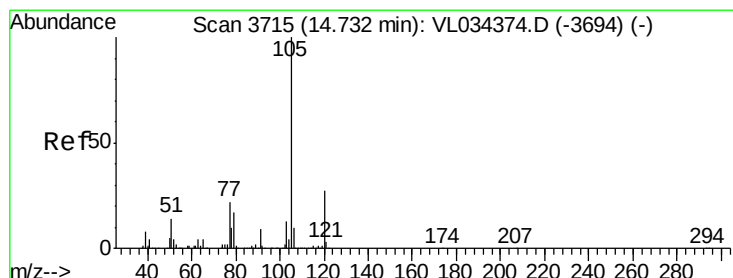
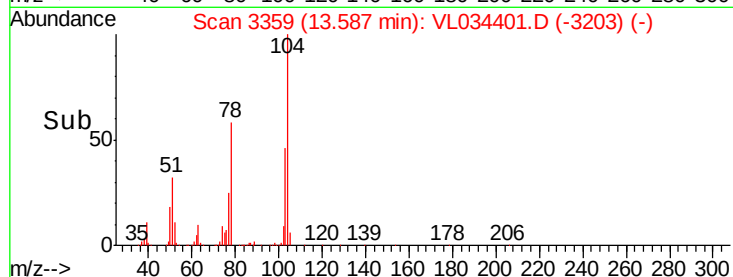
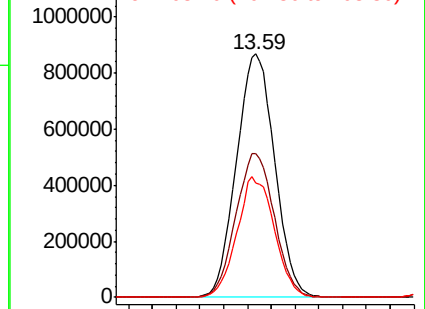
104 100

78 59.7 47.6 71.4

103 48.5 38.6 57.8



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: 7.448 ppbv

RT: 14.73 min Scan# 3715

Delta R.T. 0.00 min

Lab File: VL034401.D

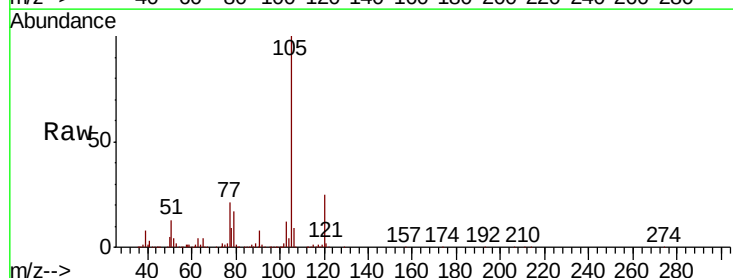
Acq: 25 Nov 2019 10:06

Tgt Ion:105 Resp: 3408859

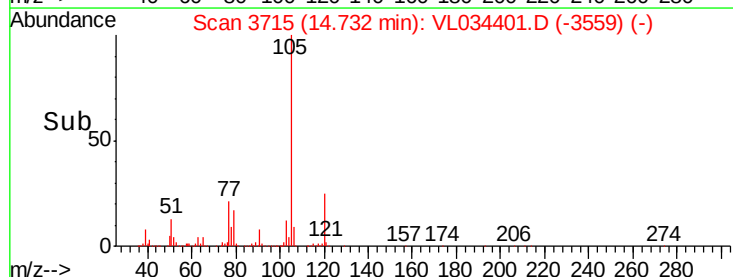
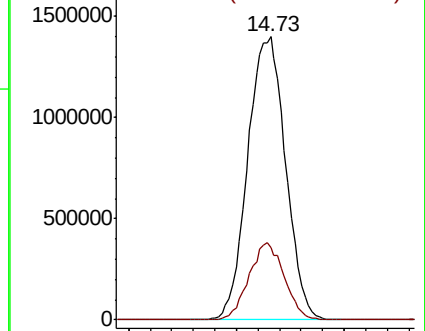
Ion Ratio Lower Upper

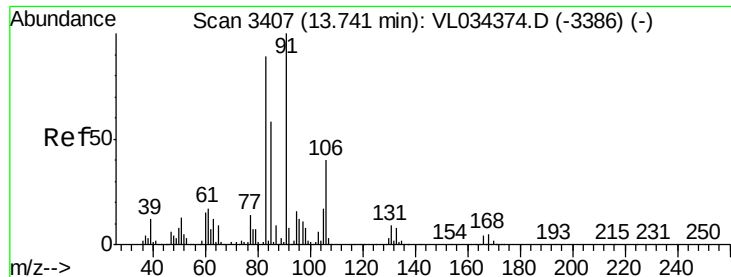
105 100

120 25.4 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

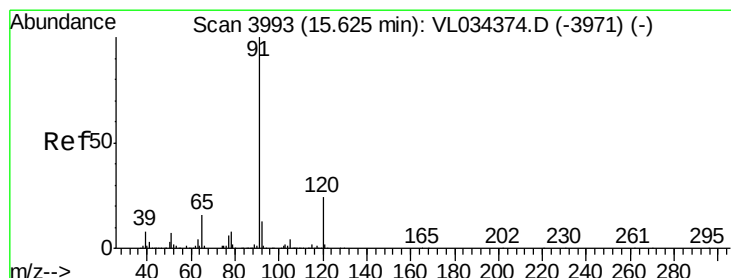
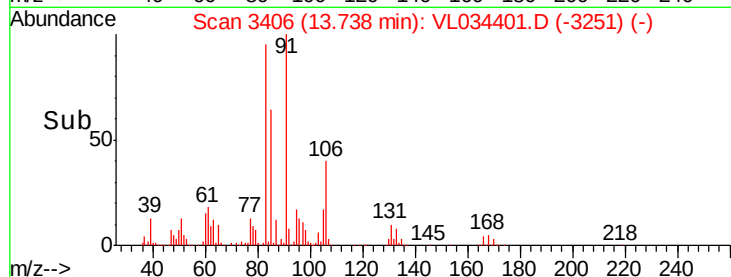
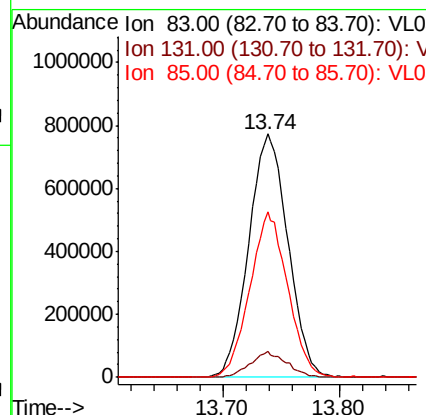
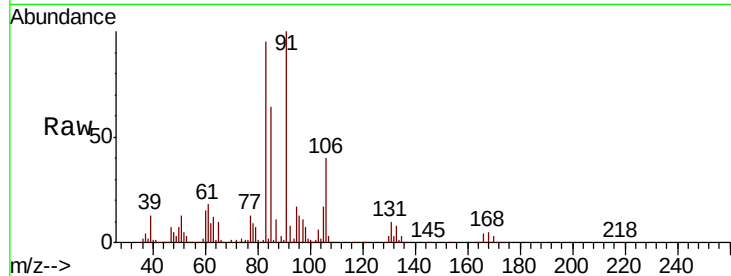




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.996 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

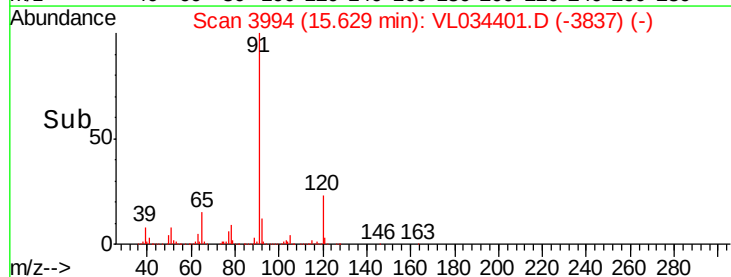
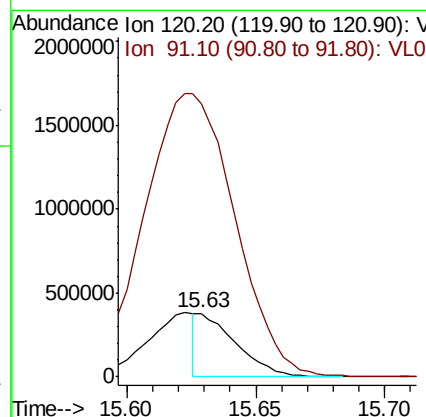
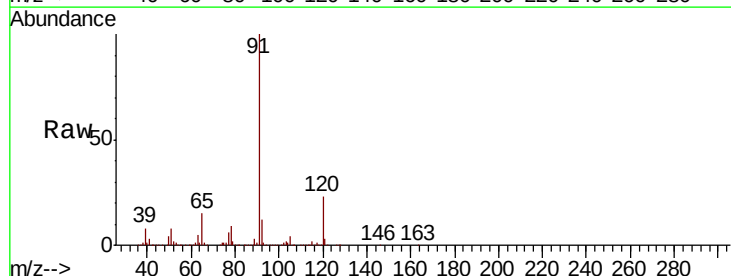
Instrument :
 MSVOA_L
 ClientSampleId :

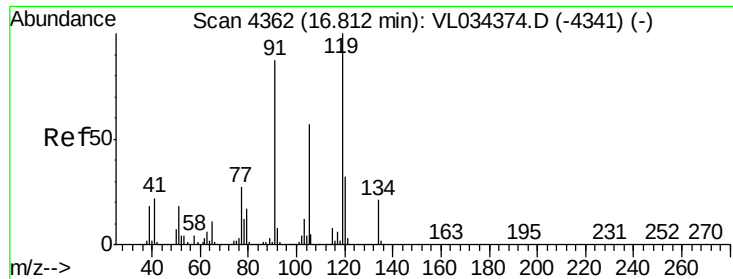
Tot Ion: 83 Resp: 1819895
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.7
 85 65.3 32.6 97.8



#64
 n-propylbenzene
 Concen: 3.292 ppbv
 RT: 15.63 min Scan# 3994
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion: 120 Resp: 391307
 Ion Ratio Lower Upper
 120 100
 91 0.0 370.9 556.3#





#65

tert-Butylbenzene

Concen: 7.333 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampled :

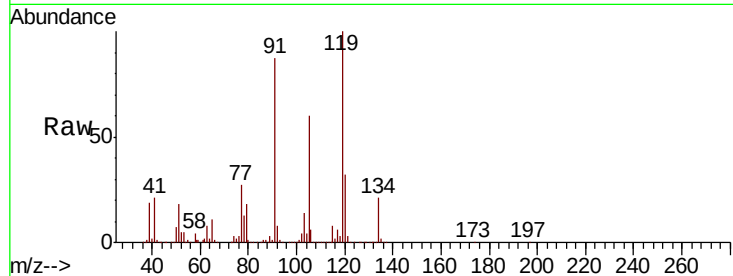
Tot Ion:119 Resp: 3014700

Ion Ratio Lower Upper

119 100

91 89.4 71.6 107.4

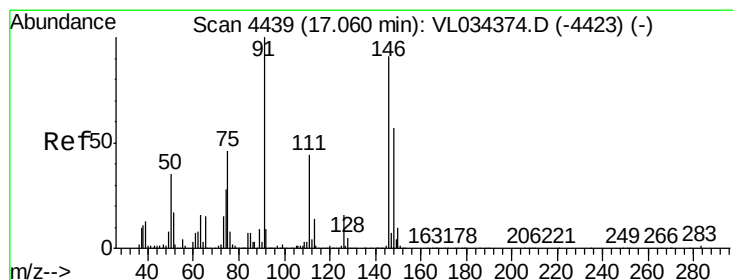
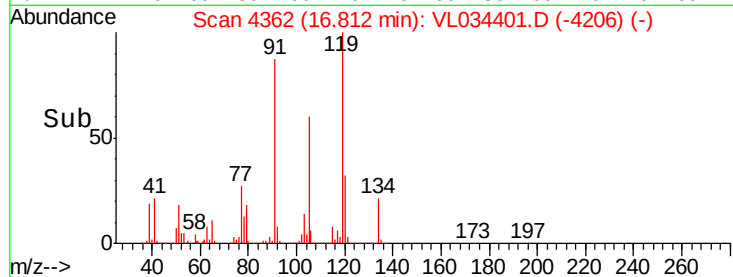
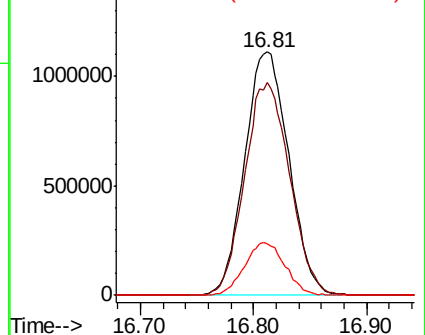
134 20.0 15.9 23.9



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: 9.700 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

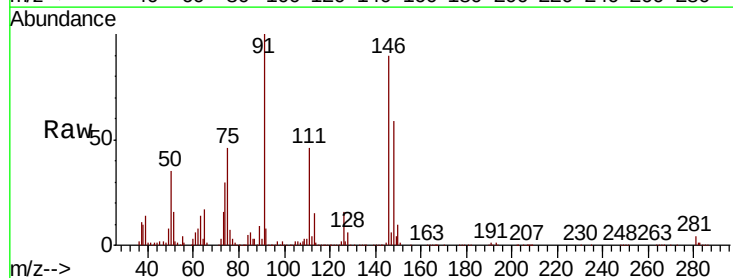
Tgt Ion: 91 Resp: 1534130

Ion Ratio Lower Upper

91 100

126 16.3 12.9 19.3

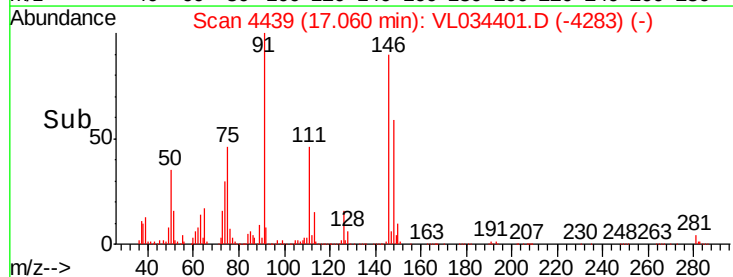
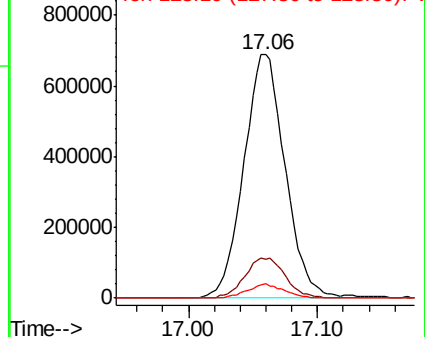
128 5.3 4.3 6.5

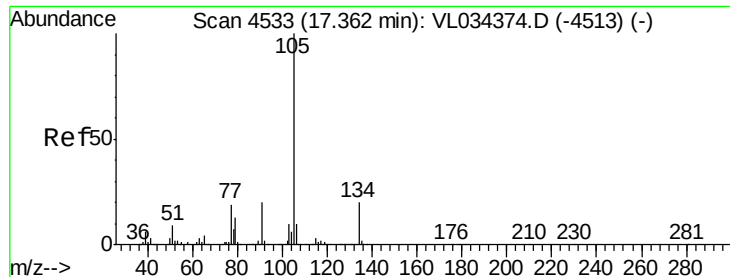


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.274 ppbv

RT: 17.36 min Scan# 4533

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

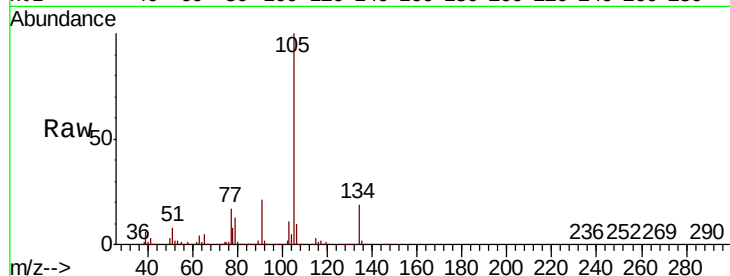
ClientSampleId :

Tot Ion:105 Resp: 4183345

Ion Ratio Lower Upper

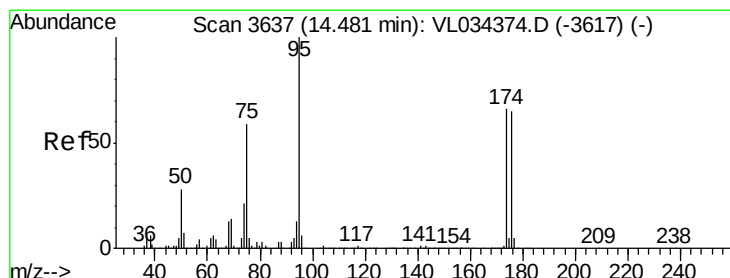
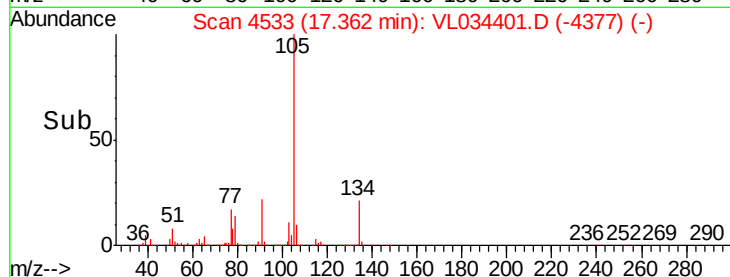
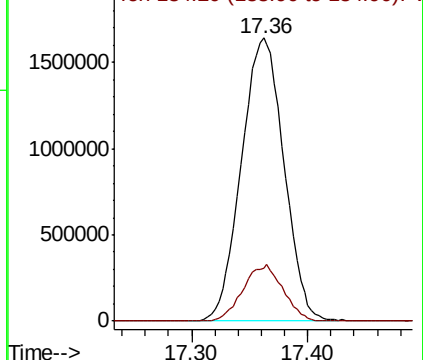
105 100

134 18.9 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.947 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

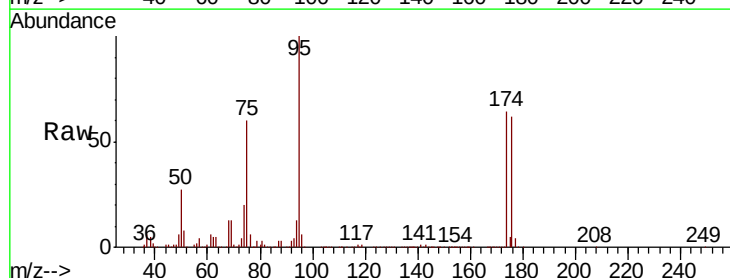
Tgt Ion: 95 Resp: 1744387

Ion Ratio Lower Upper

95 100

174 65.9 52.2 78.2

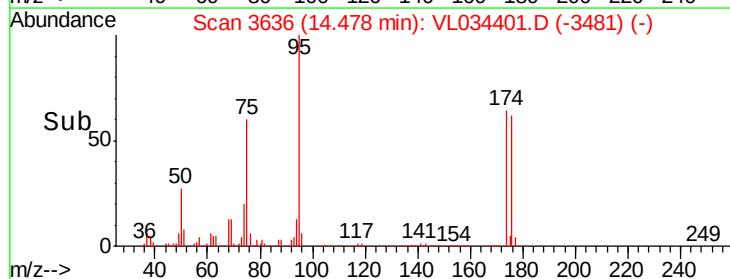
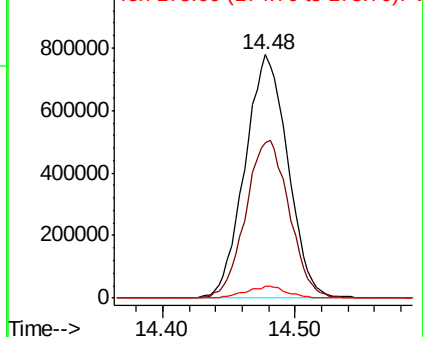
175 4.7 3.8 5.8

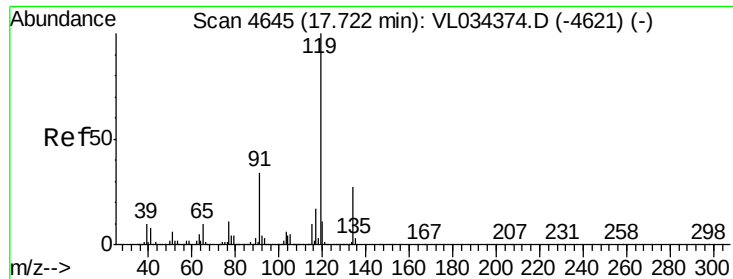


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

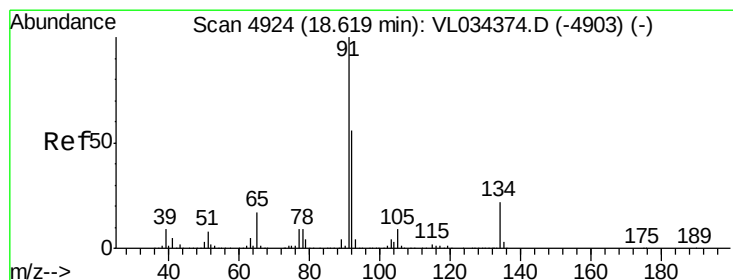
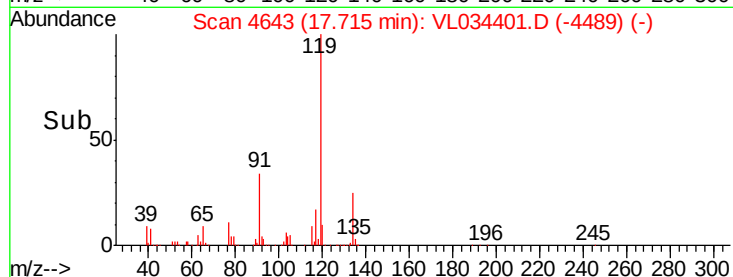
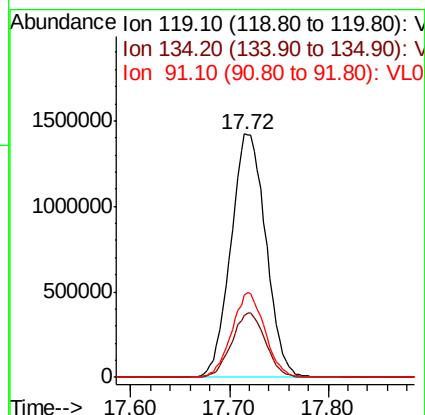
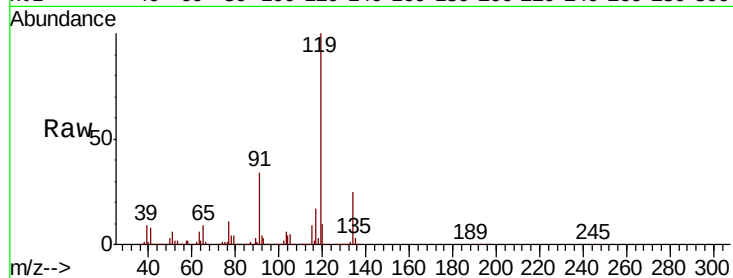




#69
 p-Isopropyltoluene
 Concen: 7.342 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

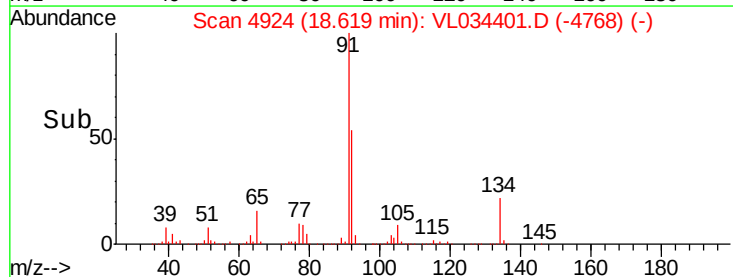
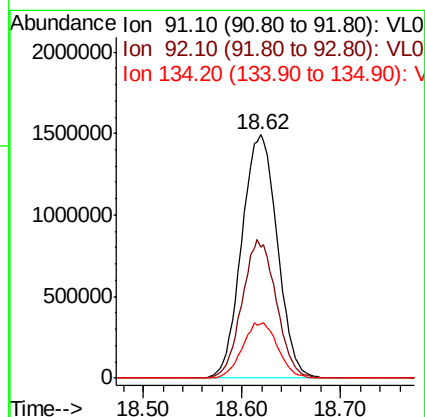
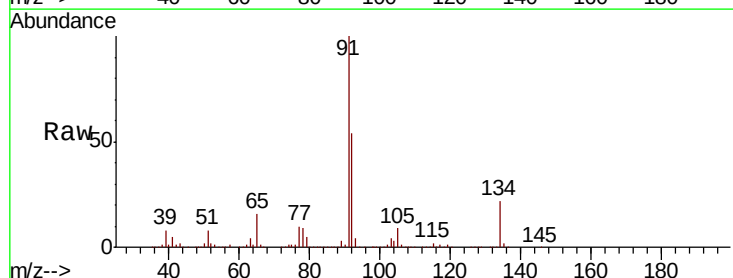
Instrument :
 MSVOA_L
 ClientSampleId :

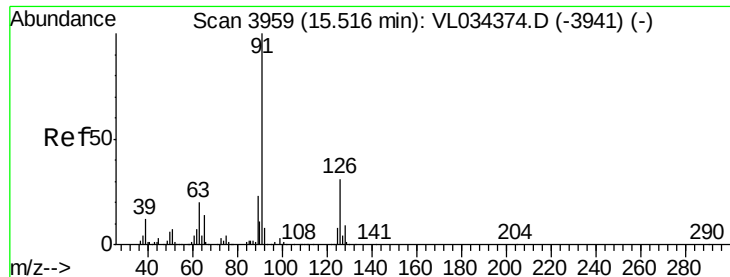
Tot Ion:119 Resp: 3504110
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 31.0
 91 33.0 26.3 39.5



#70
 n-Butylbenzene
 Concen: 7.236 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion: 91 Resp: 3715935
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.8 65.6
 134 22.6 17.9 26.9





#71

2-Chlorotoluene

Concen: 7.360 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

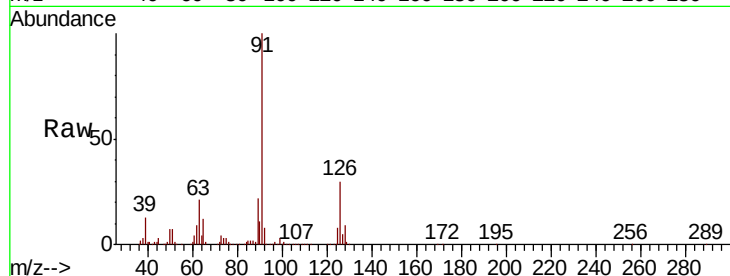
ClientSampleId :

Tot Ion: 91 Resp: 2685830

Ion Ratio Lower Upper

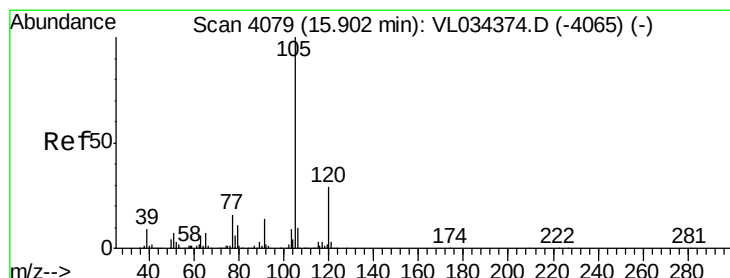
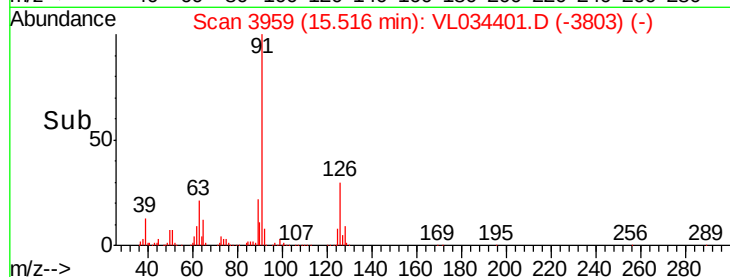
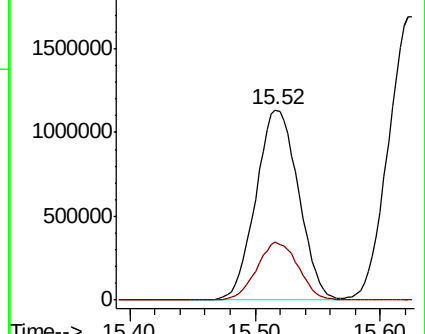
91 100

126 29.7 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.547 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion: 105 Resp: 3017563

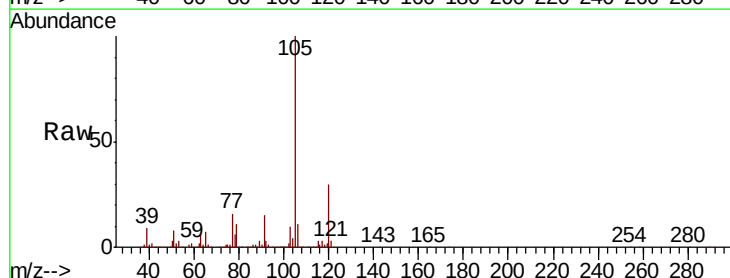
Ion Ratio Lower Upper

105 100

120 29.1 23.5 35.3

91 15.1 11.4 17.0

77 15.5 12.6 19.0

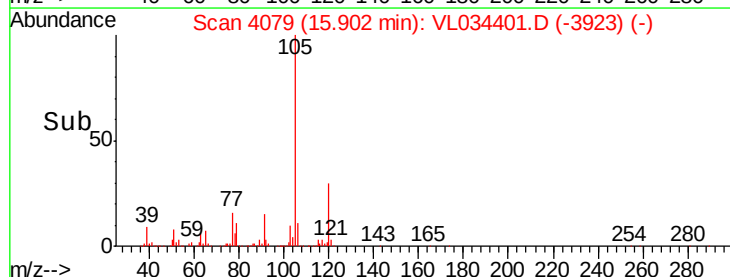
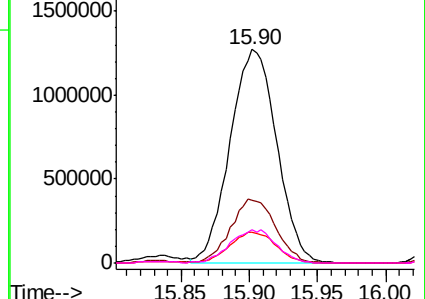


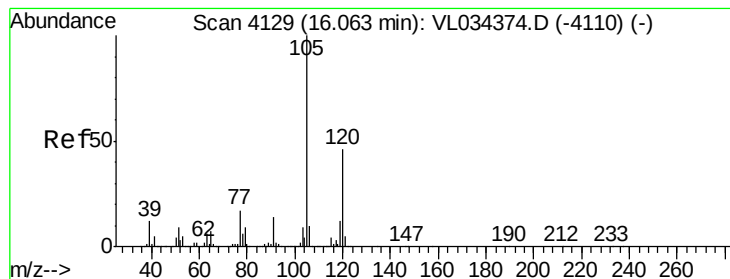
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.393 ppbv

RT: 16.06 min Scan# 4129

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

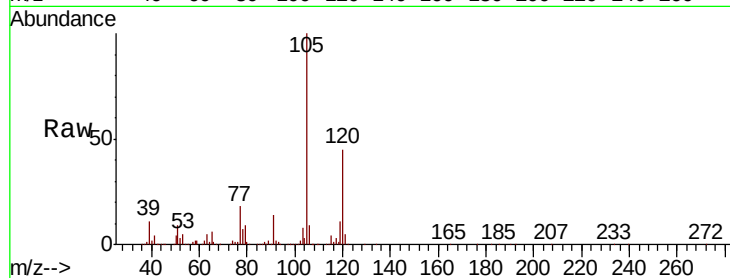
ClientSampleId :

Tot Ion:105 Resp: 2893619

Ion Ratio Lower Upper

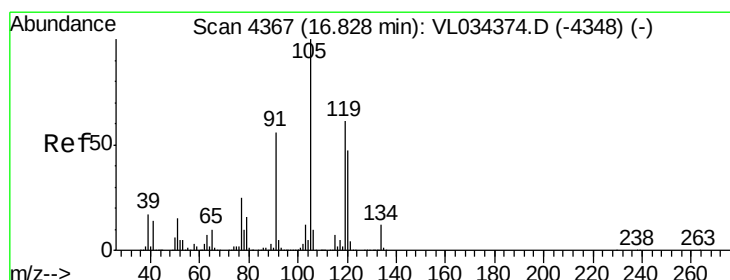
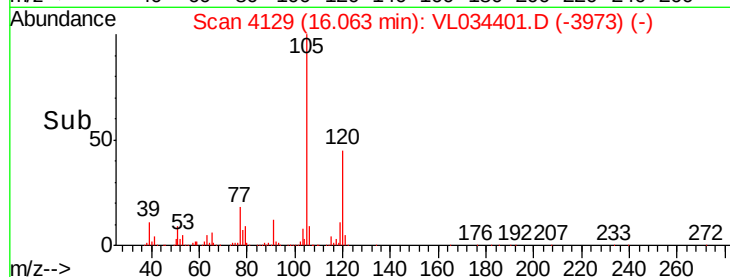
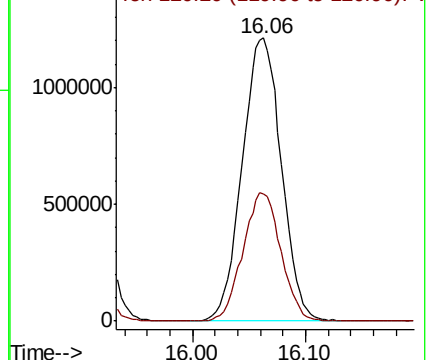
105 100

120 44.8 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.134 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. 0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Tgt Ion:105 Resp: 2965846

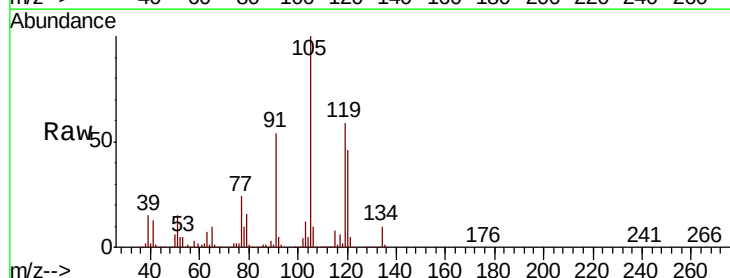
Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.0

91 53.9 46.3 69.5

77 24.3 20.6 30.8

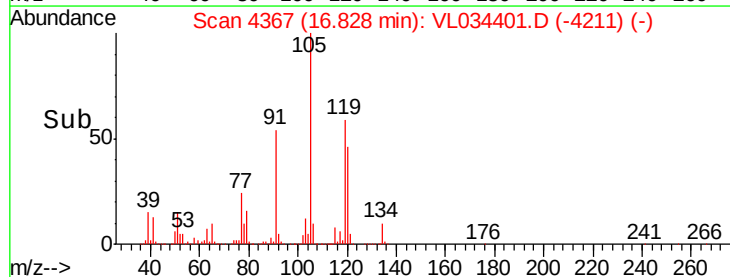
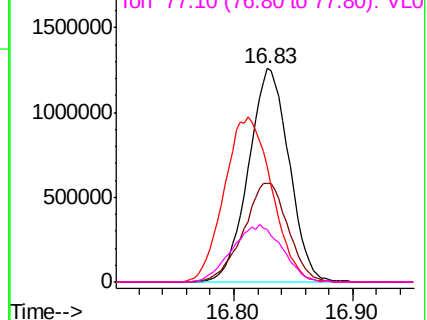


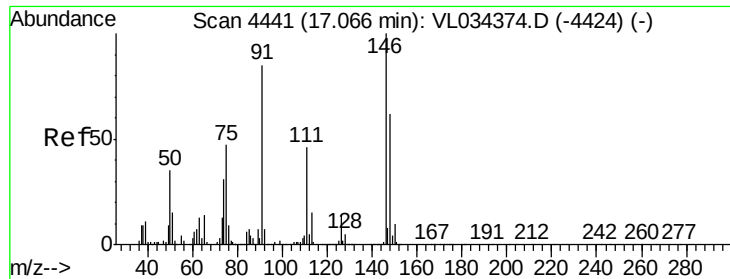
Abundance Ion 105.10 (104.80 to 105.80): V

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

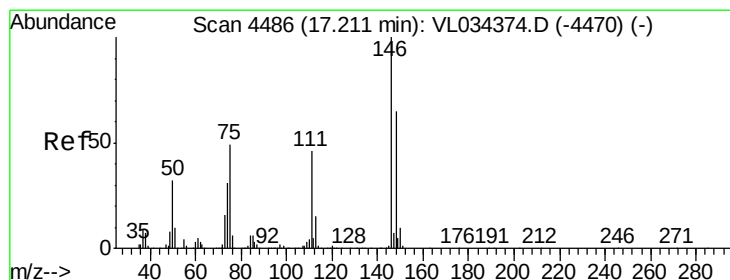
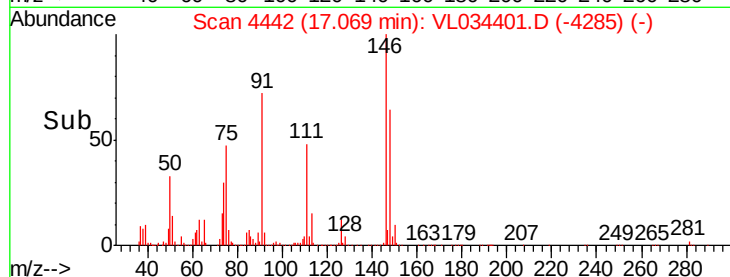
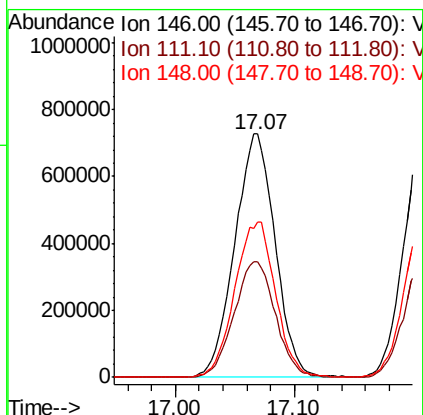
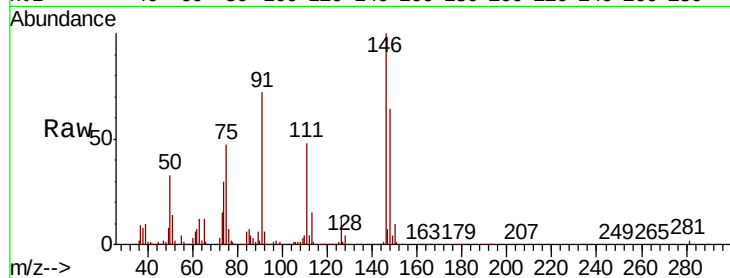




#75
 1,3-Dichlorobenzene
 Concen: 7.120 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

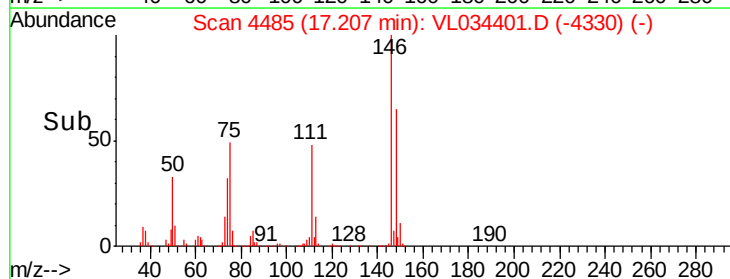
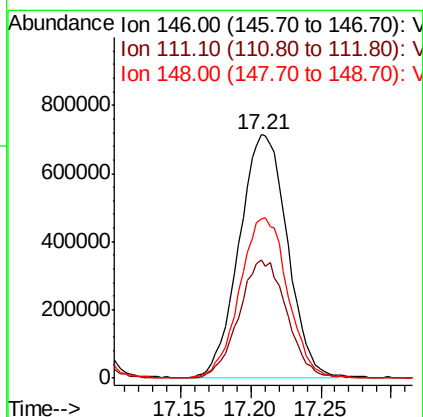
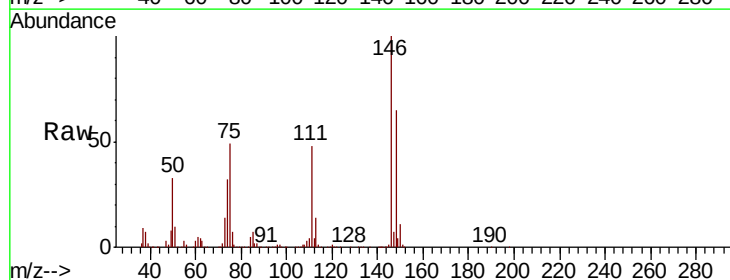
Instrument :
 MSVOA_L
 ClientSampled :

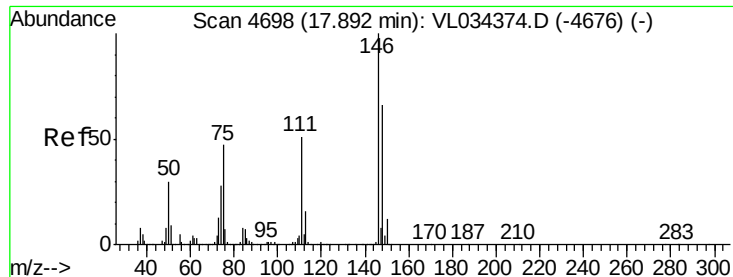
Tot Ion:146 Resp: 1701572
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.4 73.4
 148 64.7 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 7.270 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Tgt Ion:146 Resp: 1687085
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.1 72.3
 148 66.4 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 7.154 ppbv

RT: 17.89 min Scan# 4697

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

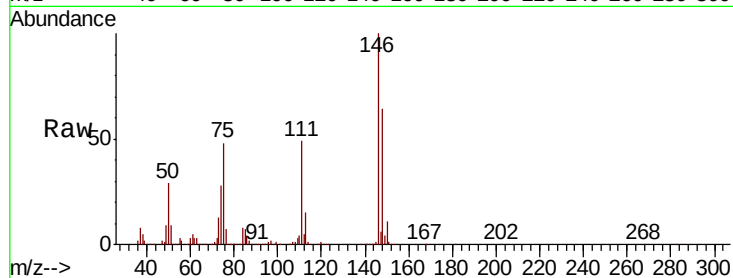
Tot Ion:146 Resp: 1651231

Ion Ratio Lower Upper

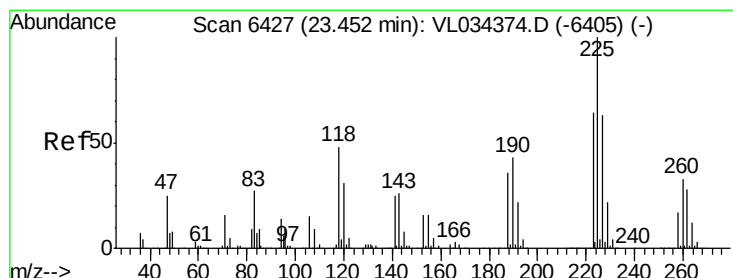
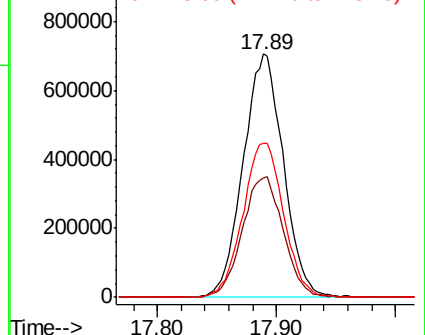
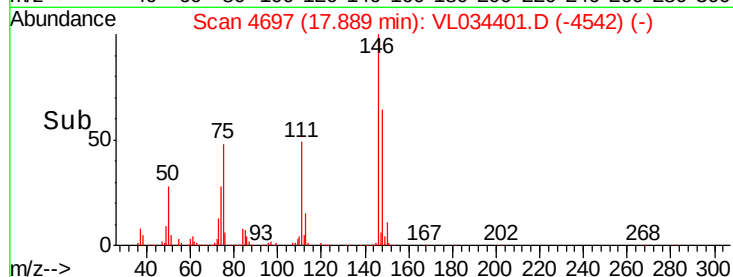
146 100

111 50.4 25.0 75.0

148 64.5 32.7 98.1



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.485 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. -0.00 min

Lab File: VL034401.D

Acq: 25 Nov 2019 10:06

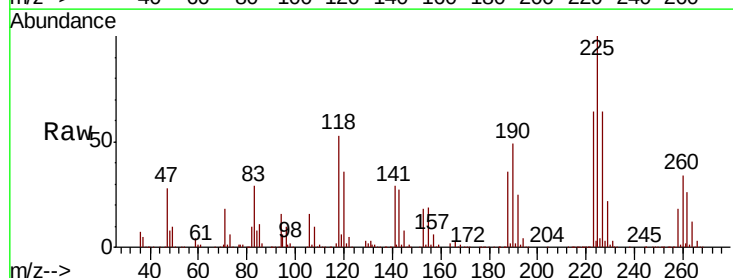
Tgt Ion:225 Resp: 1484397

Ion Ratio Lower Upper

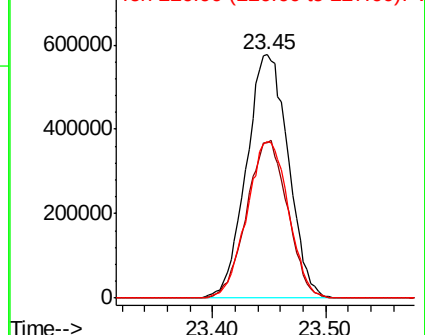
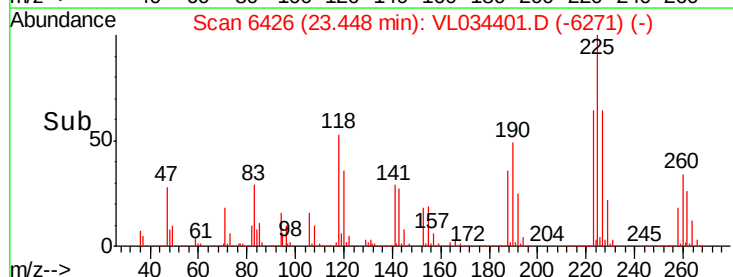
225 100

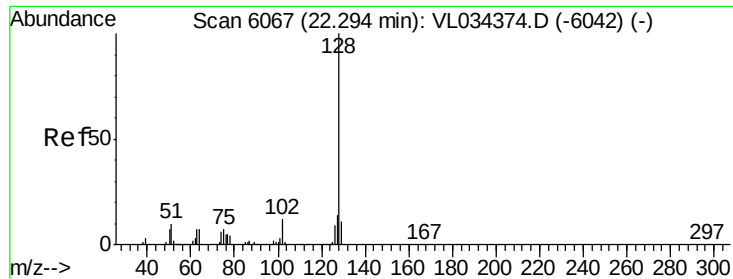
223 63.1 50.2 75.2

227 63.9 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V

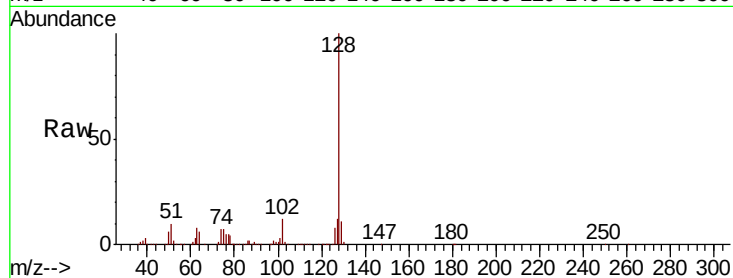




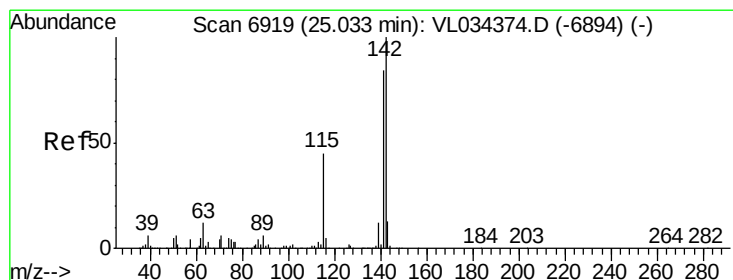
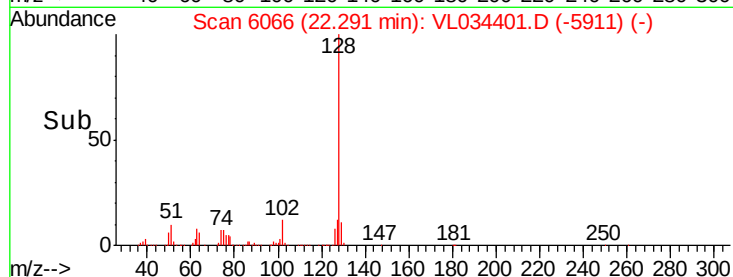
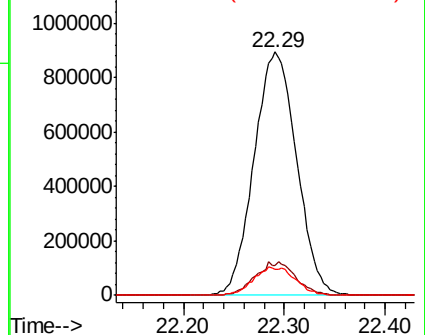
#79
Naphthalene
Concen: 7.279 ppbv
RT: 22.29 min Scan# 6066
Delta R.T. -0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:128 Resp: 2623663
Ion Ratio Lower Upper
128 100
127 12.4 11.0 16.6
129 10.7 8.9 13.3

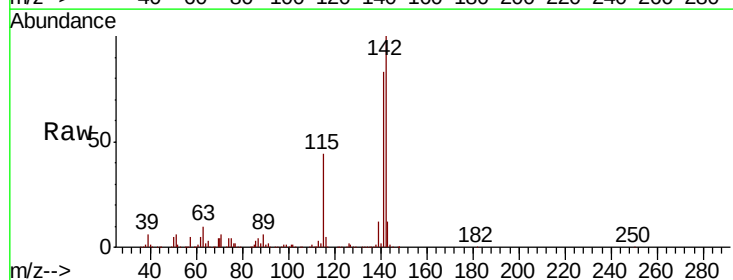


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

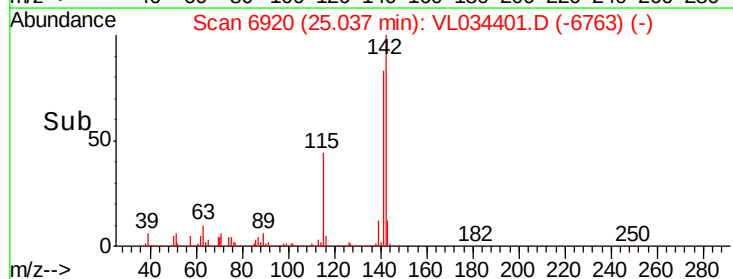
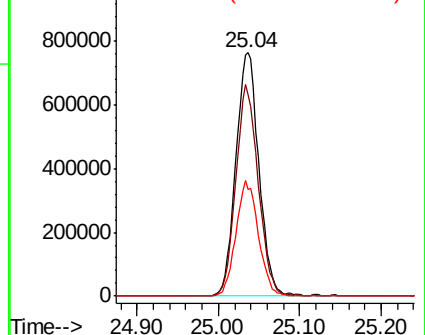


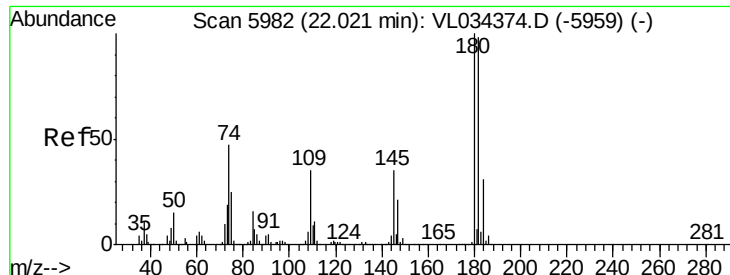
#80
Naphthalene, 2-methyl-
Concen: 9.286 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. 0.00 min
Lab File: VL034401.D
Acq: 25 Nov 2019 10:06

Tgt Ion:142 Resp: 1511311
Ion Ratio Lower Upper
142 100
141 84.4 67.1 100.7
115 46.2 36.6 54.8



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

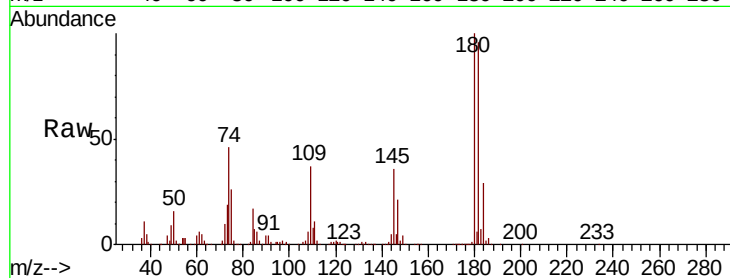




#81
 1,2,4-Trichlorobenzene
 Concen: 7.118 ppbv
 RT: 22.02 min Scan# 5982
 Delta R.T. 0.00 min
 Lab File: VL034401.D
 Acq: 25 Nov 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1576156
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.8 115.2
 184 30.9 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

