

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033675.D
 Acq On : 7 May 2019 1:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:11:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	837806	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2041046	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2723937	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1820085	8.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1512425	7.697	ppbv	98
3) Chlorodifluoromethane	3.01	51	992829	8.206	ppbv	100
4) Chloromethane	3.17	50	526617	8.372	ppbv	100
5) Vinyl Chloride	3.29	62	532485	8.707	ppbv	100
6) Bromomethane	3.51	94	342402	8.813	ppbv	99
7) Chloroethane	3.60	64	200500	9.031	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1394078	8.619	ppbv	98
9) Propene	3.03	41	405326	8.787	ppbv	100
10) Heptane	8.25	43	1175669	10.328	ppbv	98
11) Trichlorofluoromethane	4.00	101	1634992	8.911	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1127093	9.137	ppbv	99
13) Ethanol	3.65	45	94749	6.844	ppbv	100
14) Bromoethene	3.79	108	428880	8.821	ppbv	99
15) Acetone	3.90	43	1014645	8.141	ppbv	100
16) 1,3-Butadiene	3.36	39	479003	8.961	ppbv	98
17) tert-Butyl alcohol	4.35	59	843296	8.908	ppbv	100
18) 1,1-Dichloroethene	4.35	96	483455	9.078	ppbv	97
19) Isopropyl Alcohol	4.02	45	667175	8.713	ppbv	99
20) Methylene Chloride	4.41	84	421917	8.915	ppbv	96
21) Allyl Chloride	4.47	41	725932	9.622	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	511783	9.573	ppbv	96
23) Vinyl Acetate	5.16	43	1592934	9.836	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1120153	9.143	ppbv	99
25) Ethyl Acetate	5.77	43	1974641	9.738	ppbv	100
26) Hexane	5.78	57	869369	9.974	ppbv	99
27) Carbon Disulfide	4.62	76	1254621	10.523	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1348363	9.184	ppbv	99
29) Chloroform	5.85	83	1493865	9.532	ppbv	98
30) Cyclohexane	7.25	84	744743	10.174	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	884250	10.197	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1484798	9.175	ppbv	99
34) 2-Butanone	5.33	43	1277151	9.772	ppbv	99
35) Carbon Tetrachloride	7.13	117	1726658	10.293	ppbv	97
36) Benzene	7.00	78	1806905	9.873	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1158709	9.074	ppbv	99
38) Trichloroethene	7.96	130	805015	11.991	ppbv	98
39) 1,2-Dichloropropane	7.74	63	666350	9.769	ppbv	96
40) 1,4-Dioxane	7.96	88	292300	10.722	ppbv	92
41) Tetrahydrofuran	6.15	42	702784	10.405	ppbv	99
42) Bromodichloromethane	7.92	83	1746066	10.590	ppbv	96
43) Methyl Methacrylate	8.14	69	741945	10.777	ppbv	99

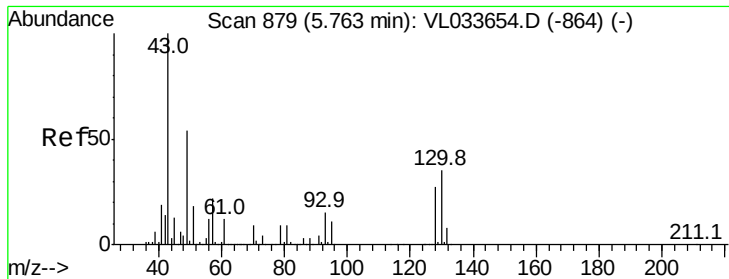
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033675.D
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Quant Time: May 07 04:11:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3457738	11.050	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1029952	12.190	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1149503	10.901	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	788241	10.063	ppbv	98
48) Dibromochloromethane	10.45	129	1463260	11.019	ppbv	100
49) Bromoform	13.20	173	1302793	11.295	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2059053	10.404	ppbv	99
51) 2-Hexanone	10.27	43	1701246	11.096	ppbv #	99
52) Tetrachloroethene	11.37	164	708955	10.934	ppbv	98
53) Toluene	9.94	91	2210020	11.176	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1260694	10.684	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1005051	7.999	ppbv	100
57) Chlorobenzene	12.30	112	1761915	7.878	ppbv	99
58) Ethyl Benzene	12.86	91	3092527	8.706	ppbv	99
59) m/p-Xylene	13.15	91	2554269	8.164	ppbv #	30
60) o-Xylene	13.85	91	2657107	8.392	ppbv	100
61) Styrene	13.68	104	1976221	9.373	ppbv	99
62) Isopropylbenzene	14.82	105	3562369	8.240	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1811558	7.861	ppbv	100
64) n-propylbenzene	15.72	120	910643	8.151	ppbv	98
65) tert-Butylbenzene	16.91	119	3196349	8.060	ppbv	100
66) Benzyl Chloride	17.16	91	1711006	9.484	ppbv	100
67) sec-Butylbenzene	17.46	105	4485651	8.107	ppbv	100
69) p-Isopropyltoluene	17.81	119	3768119	8.265	ppbv	100
70) n-Butylbenzene	18.71	91	3950890	8.172	ppbv	100
71) 2-Chlorotoluene	15.61	91	2698129	8.447	ppbv	99
72) 4-Ethyltoluene	16.00	105	3124351	8.395	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2954628	8.211	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	3105651	7.764	ppbv	100
75) 1,3-Dichlorobenzene	17.16	146	1812558	7.502	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1804789	7.872	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1741847	7.782	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1569578	8.848	ppbv	100
79) Naphthalene	22.41	128	3507242	9.603	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1634949	11.842	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1811749	8.539	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :
MSVOA_L
ClientSampled :

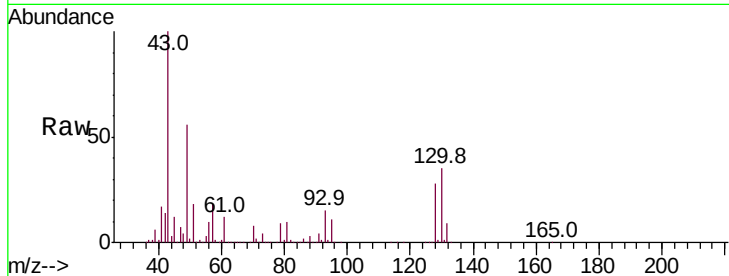
Tot Ion: 49 Resp: 837806

Ion Ratio Lower Upper

49 100

128 50.3 24.8 74.3

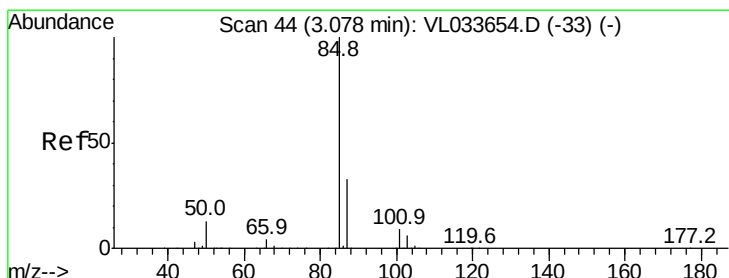
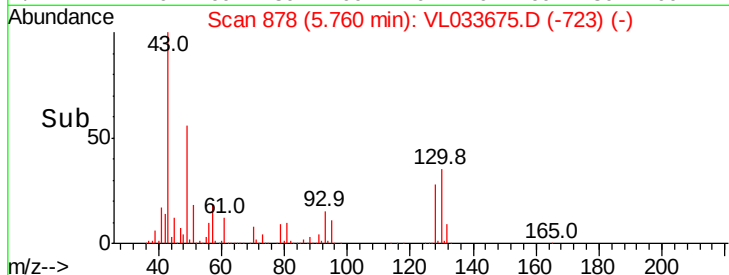
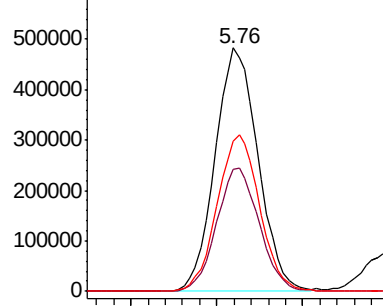
130 63.8 32.1 96.5



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: 7.697 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033675.D

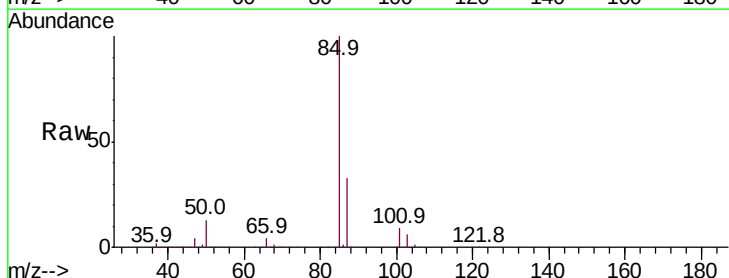
Acq: 7 May 2019 1:47

Tgt Ion: 85 Resp: 1512425

Ion Ratio Lower Upper

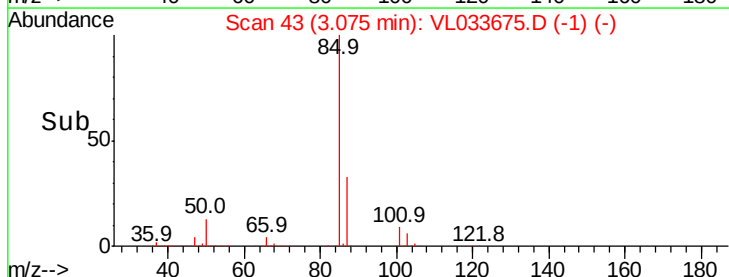
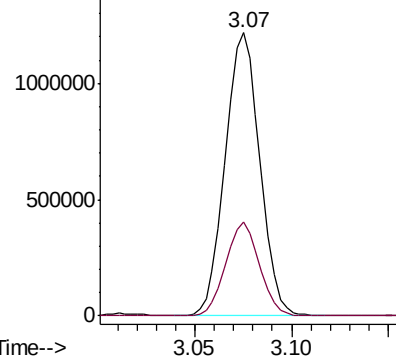
85 100

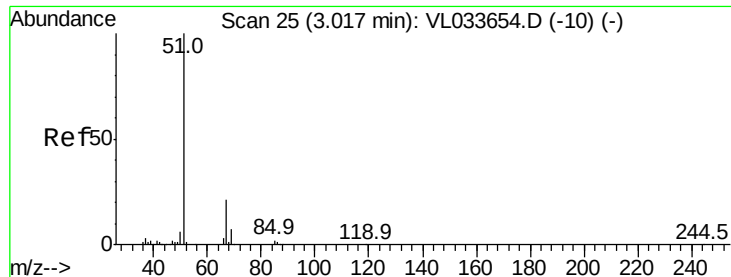
87 33.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.206 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

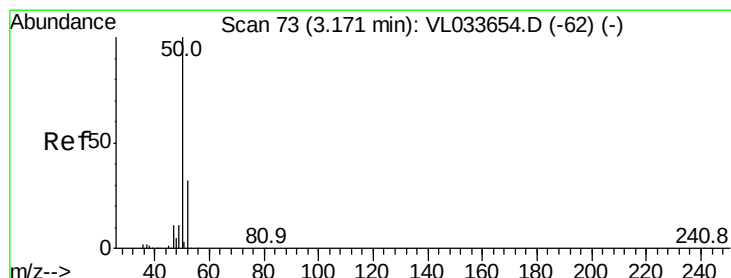
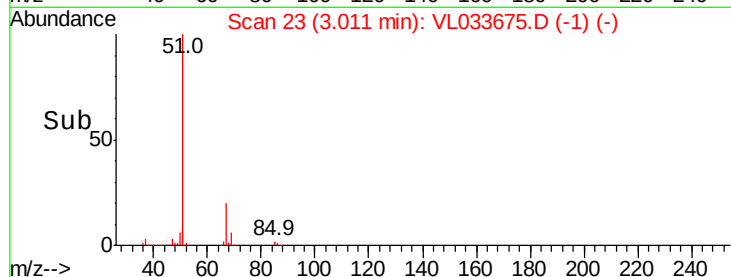
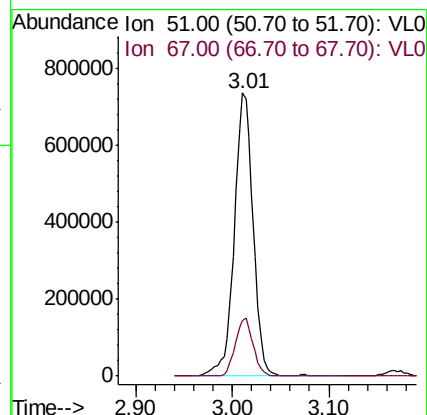
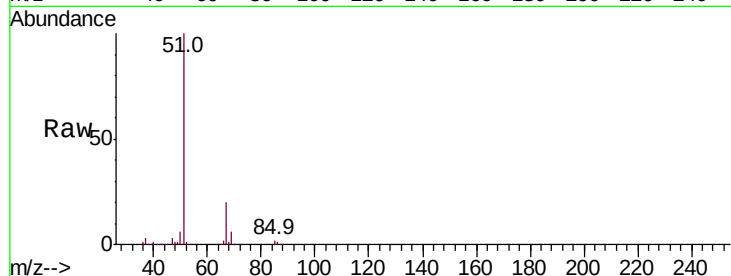
ClientSampleId :

Tot Ion: 51 Resp: 992829

Ion Ratio Lower Upper

51 100

67 19.5 15.7 23.5



#4

Chloromethane

Concen: 8.372 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033675.D

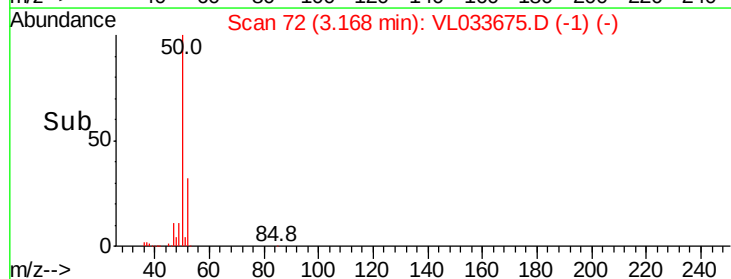
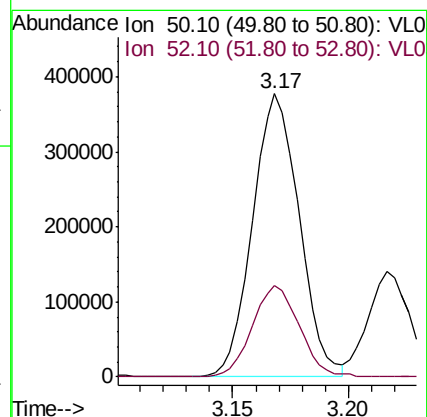
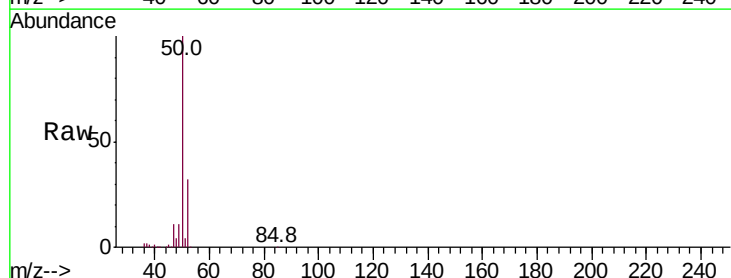
Acq: 7 May 2019 1:47

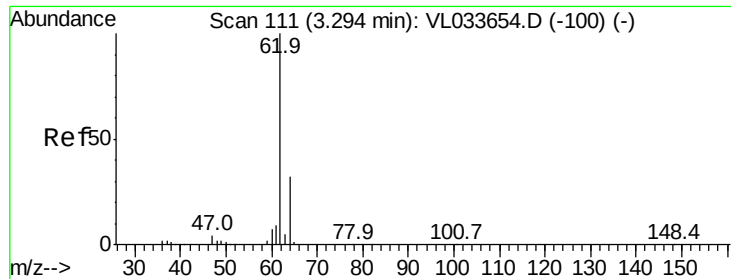
Tgt Ion: 50 Resp: 526617

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8





#5

Vinyl Chloride

Concen: 8.707 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

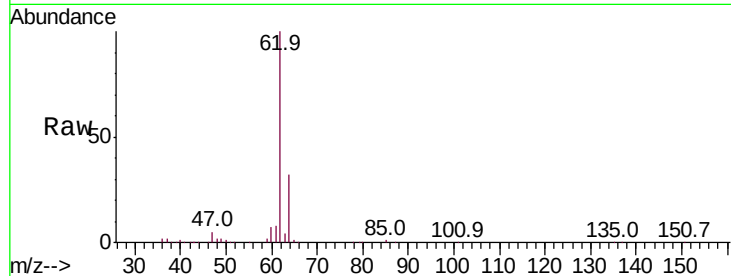
ClientSampleId :

Tot Ion: 62 Resp: 532485

Ion Ratio Lower Upper

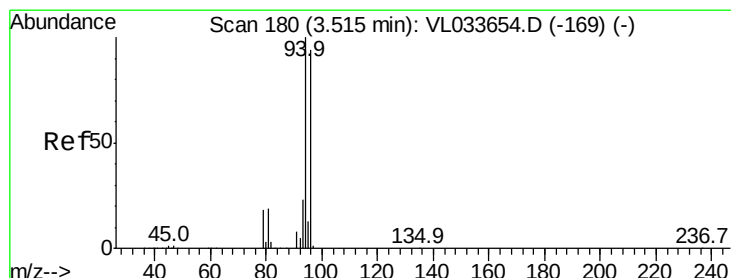
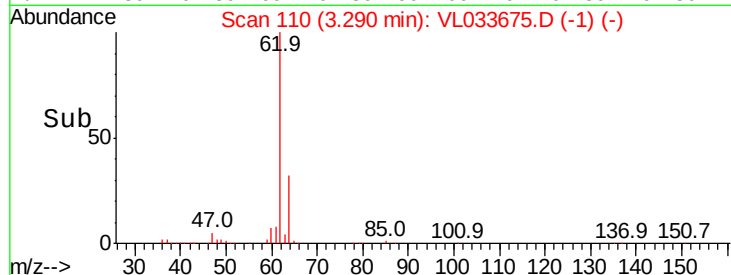
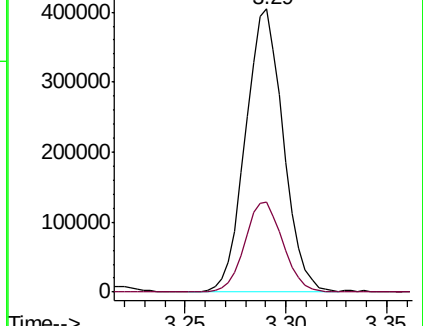
62 100

64 31.9 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.813 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033675.D

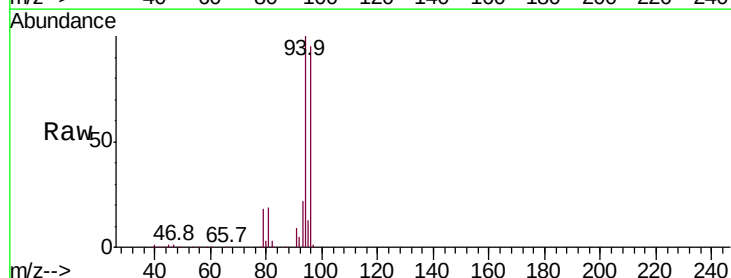
Acq: 7 May 2019 1:47

Tgt Ion: 94 Resp: 342402

Ion Ratio Lower Upper

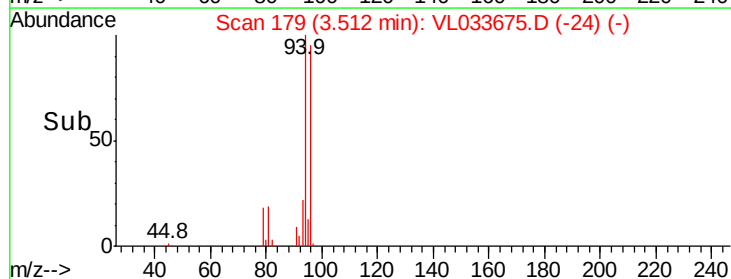
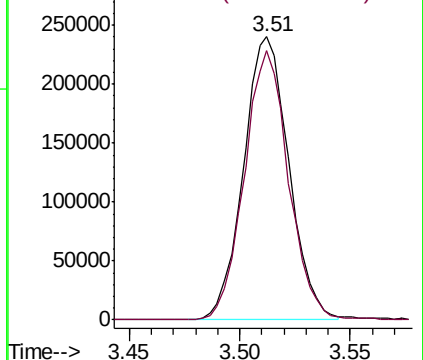
94 100

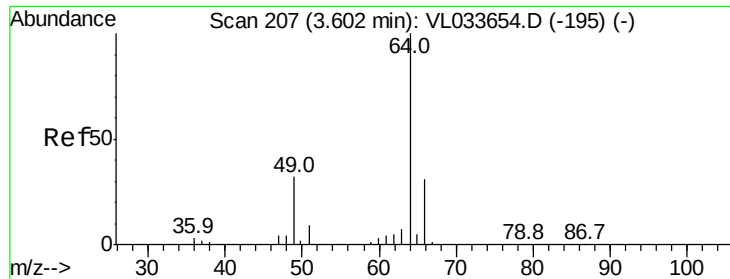
96 95.0 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.031 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

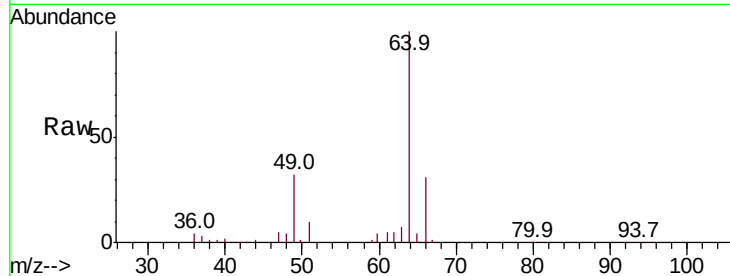
ClientSampleId :

Tot Ion: 64 Resp: 200500

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

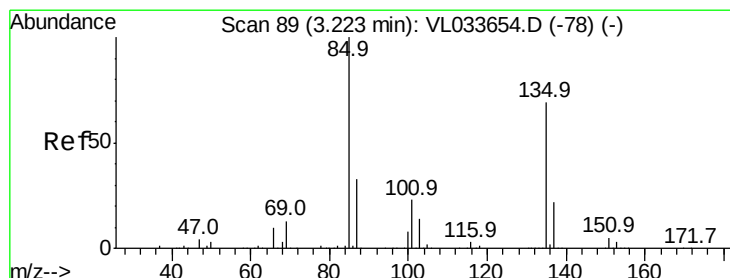
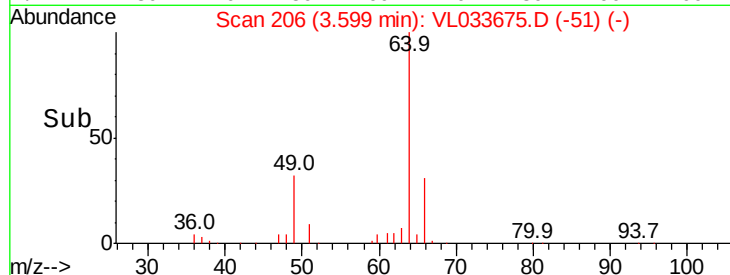
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.619 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033675.D

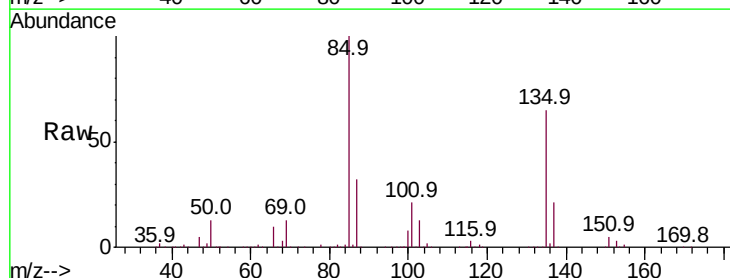
Acq: 7 May 2019 1:47

Tgt Ion: 85 Resp: 1394078

Ion Ratio Lower Upper

85 100

135 66.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1200000

1000000

800000

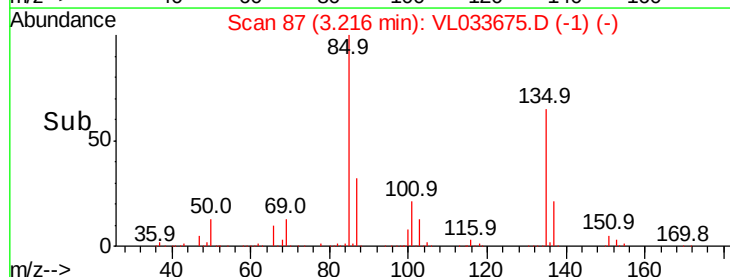
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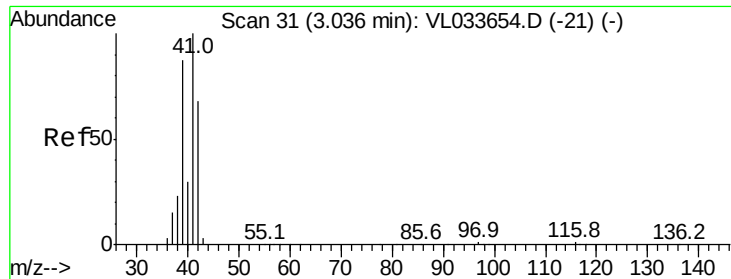
400000

200000

0

Time-->





#9

Propene

Concen: 8.787 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

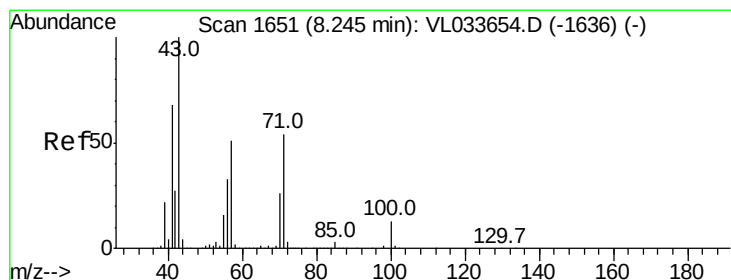
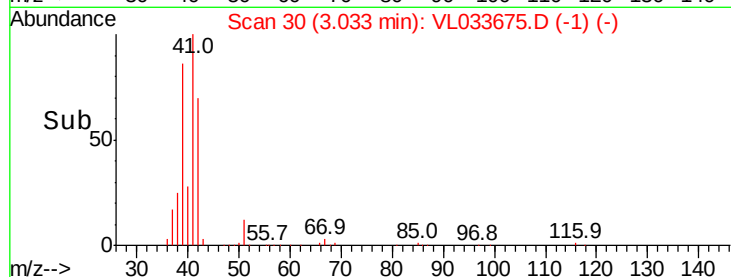
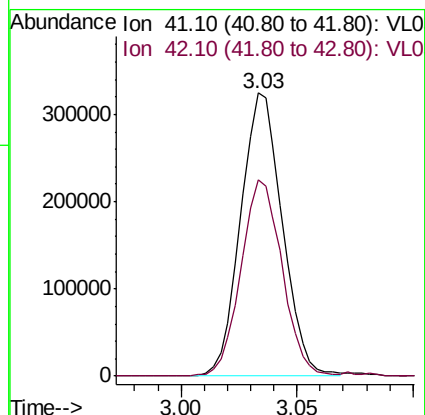
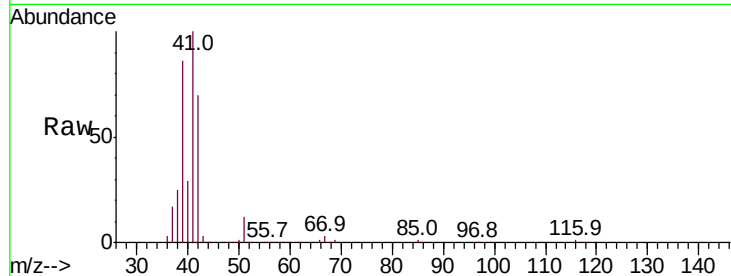
ClientSampleId :

Tot Ion: 41 Resp: 405326

Ion Ratio Lower Upper

41 100

42 69.4 55.6 83.4



#10

Heptane

Concen: 10.328 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033675.D

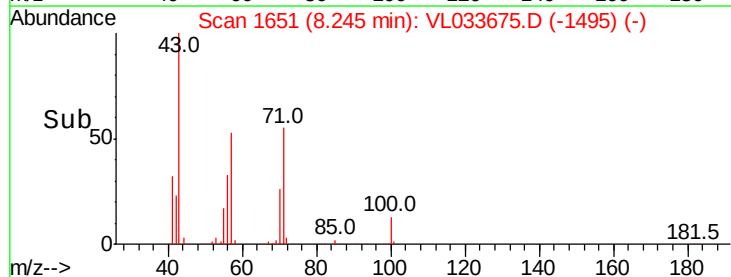
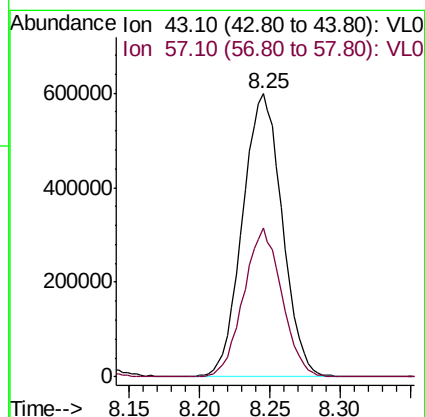
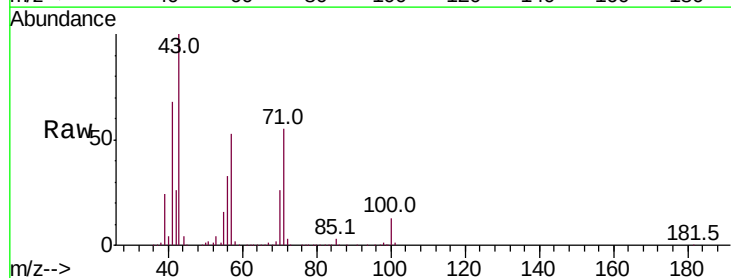
Acq: 7 May 2019 1:47

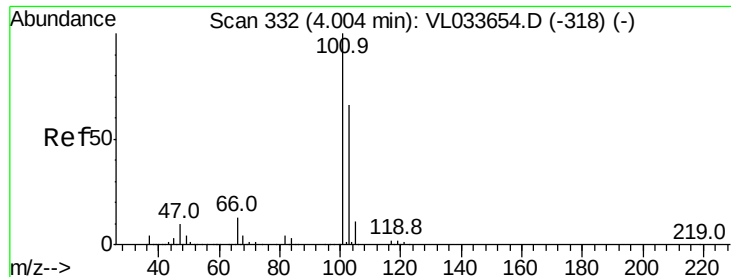
Tgt Ion: 43 Resp: 1175669

Ion Ratio Lower Upper

43 100

57 50.9 41.8 62.6

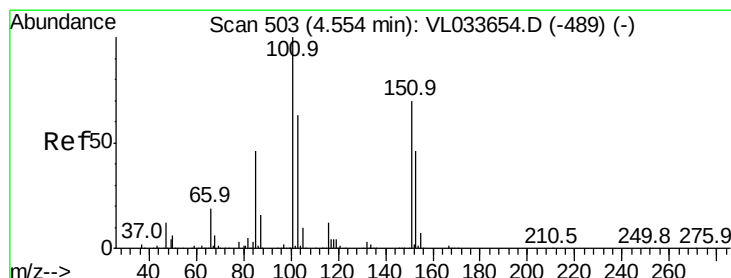
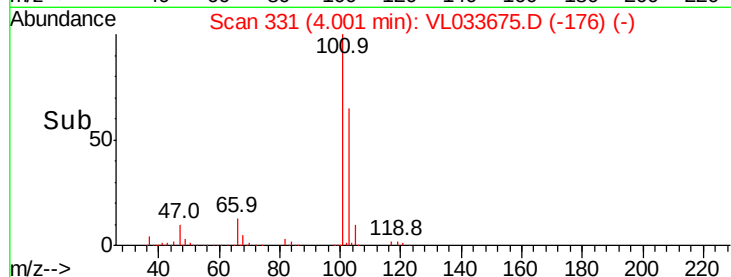
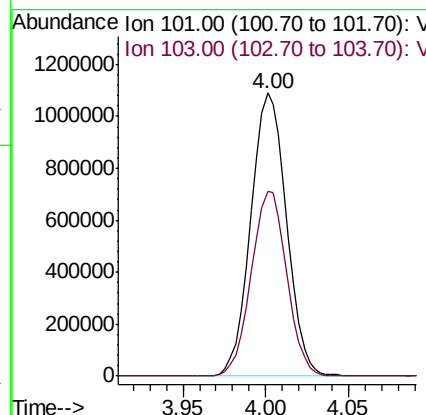
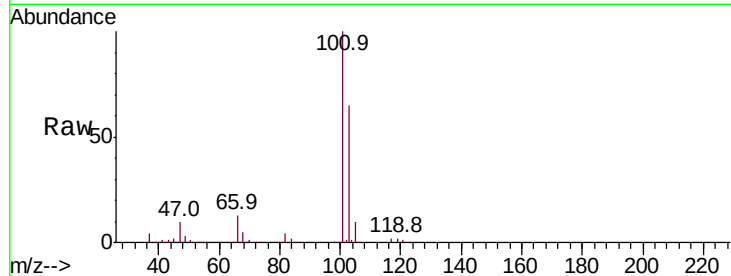




#11
 Trichlorofluoromethane
 Concen: 8.911 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

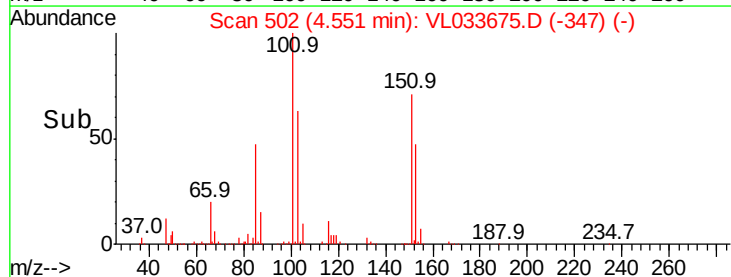
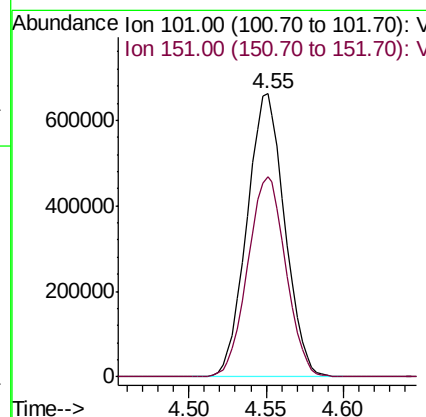
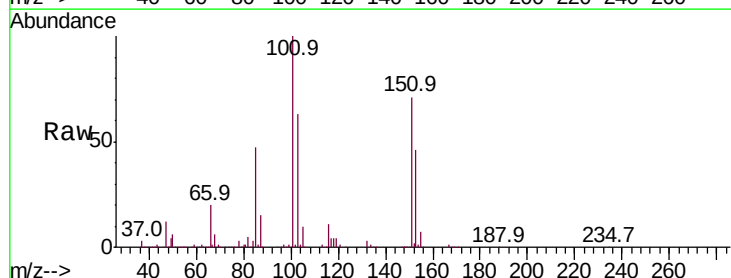
Instrument :
 MSVOA_L
 ClientSampleId :

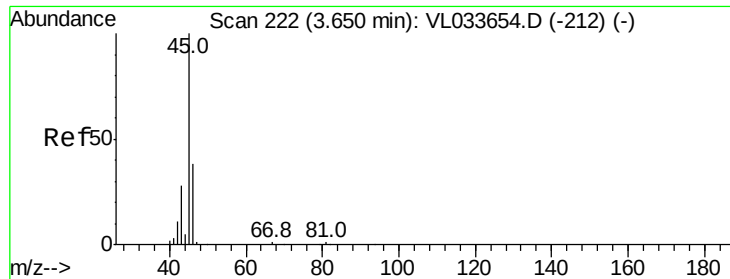
Tot Ion:101 Resp: 1634992
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.137 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

Tgt Ion:101 Resp: 1127093
 Ion Ratio Lower Upper
 101 100
 151 71.5 58.0 87.0





#13

Ethanol

Concen: 6.844 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

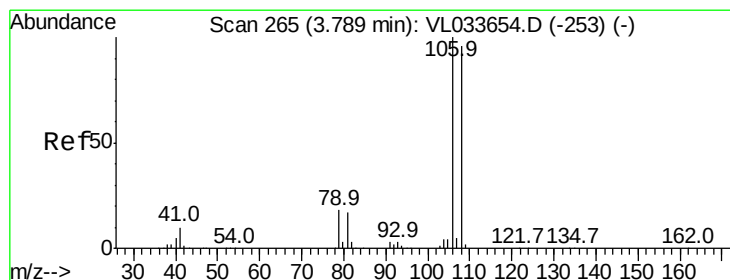
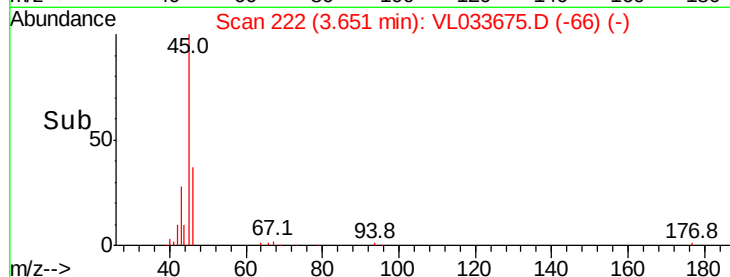
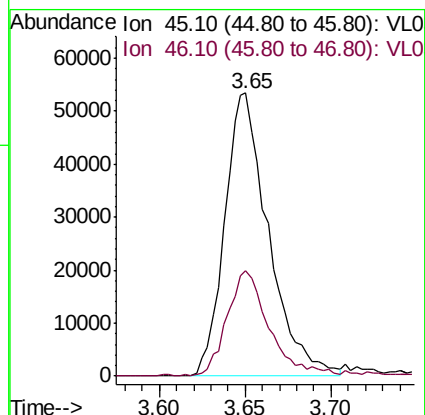
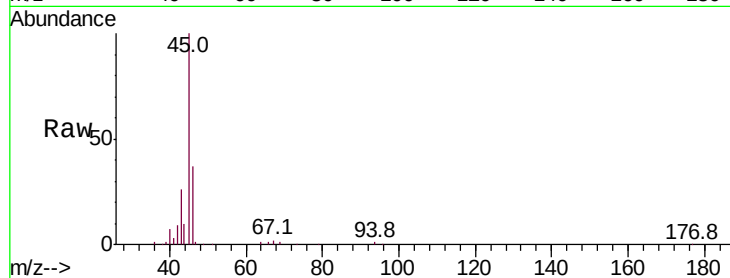
ClientSampleId :

Tot Ion: 45 Resp: 94749

Ion Ratio Lower Upper

45 100

46 37.3 14.9 59.7



#14

Bromoethene

Concen: 8.821 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

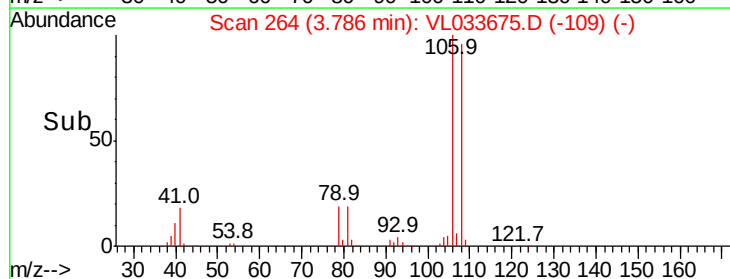
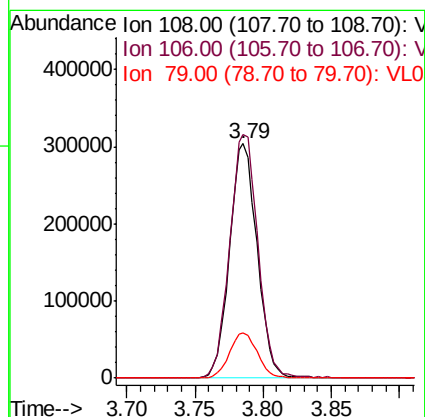
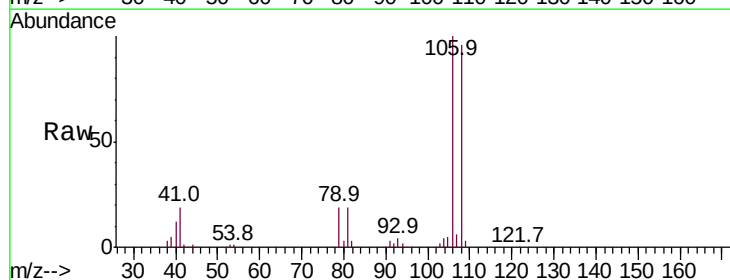
Tgt Ion: 108 Resp: 428880

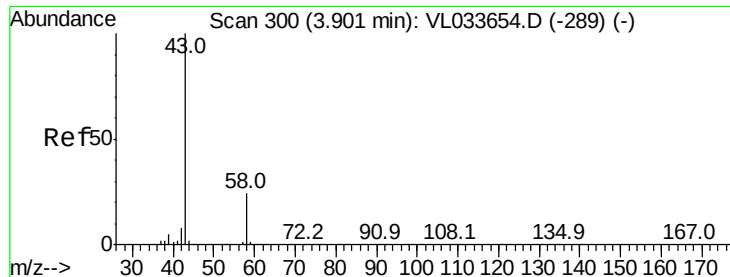
Ion Ratio Lower Upper

108 100

106 106.4 85.7 128.5

79 19.6 15.2 22.8





#15

Acetone

Concen: 8.141 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

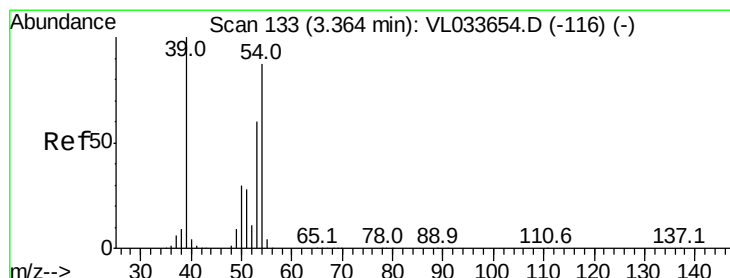
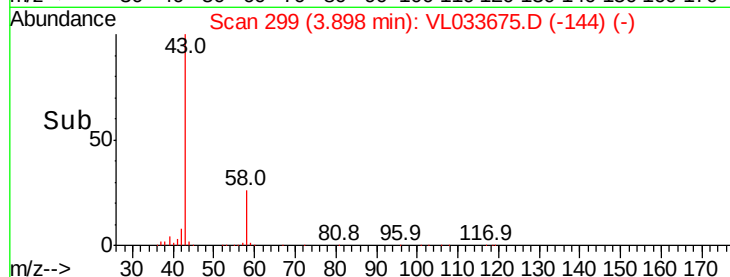
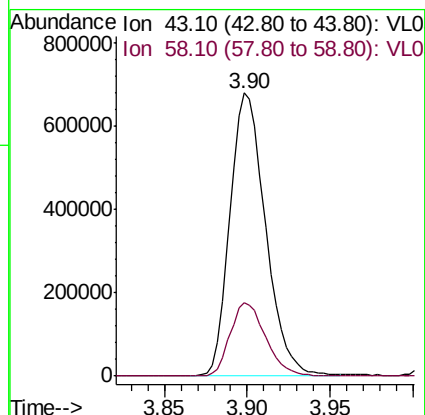
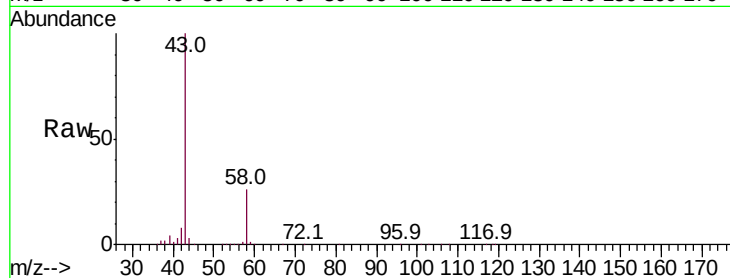
ClientSampleId :

Tot Ion: 43 Resp: 1014645

Ion Ratio Lower Upper

43 100

58 26.0 20.9 31.3



#16

1,3-Butadiene

Concen: 8.961 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033675.D

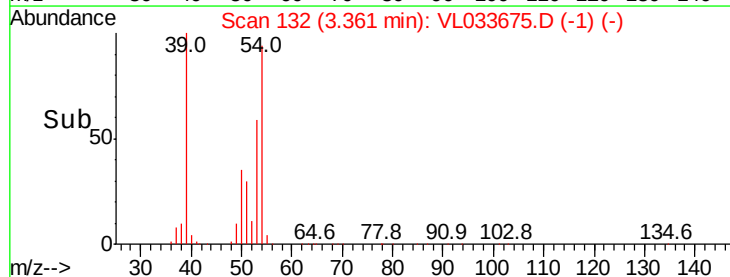
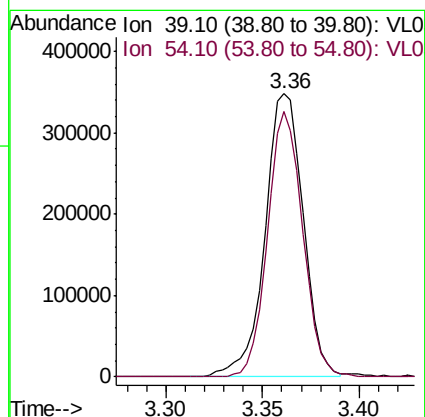
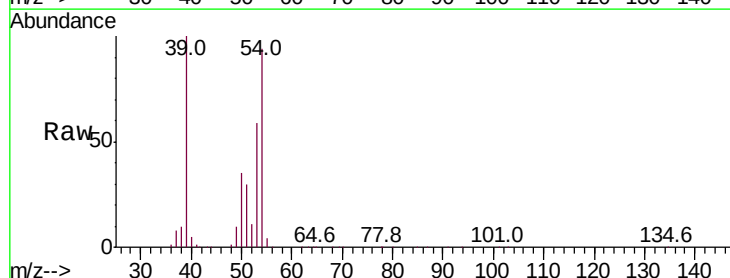
Acq: 7 May 2019 1:47

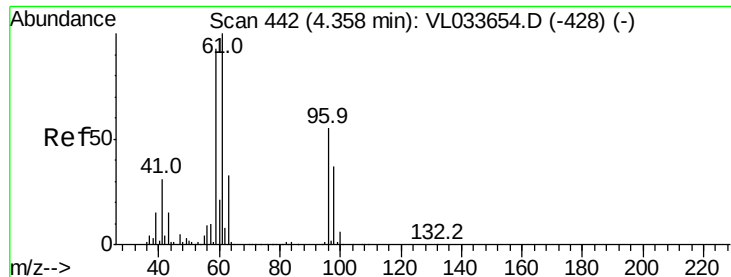
Tgt Ion: 39 Resp: 479003

Ion Ratio Lower Upper

39 100

54 85.9 67.0 100.4





#17

tert-Butyl alcohol

Concen: 8.908 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

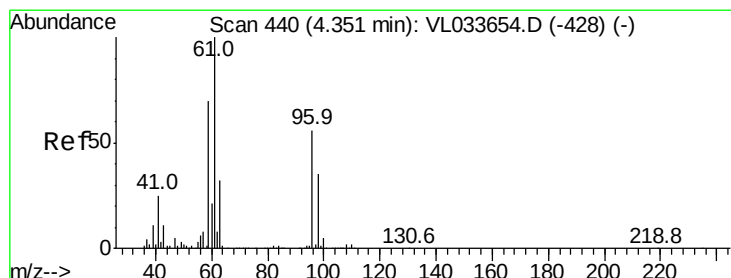
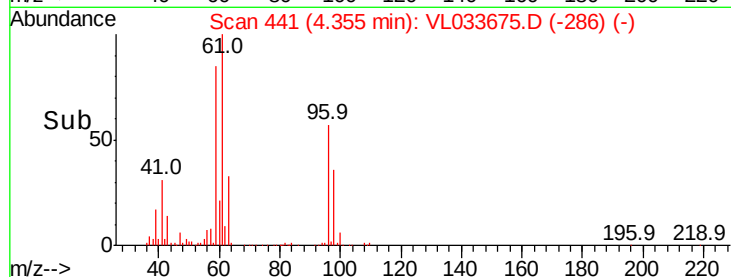
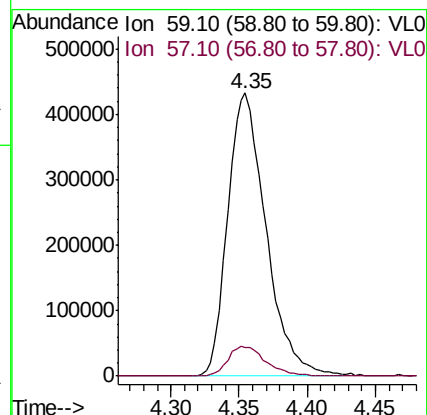
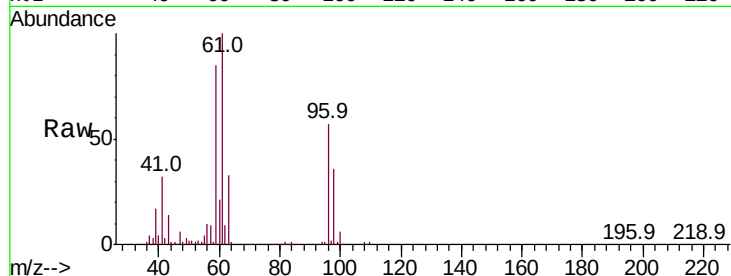
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 59 Resp: 843296

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.078 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

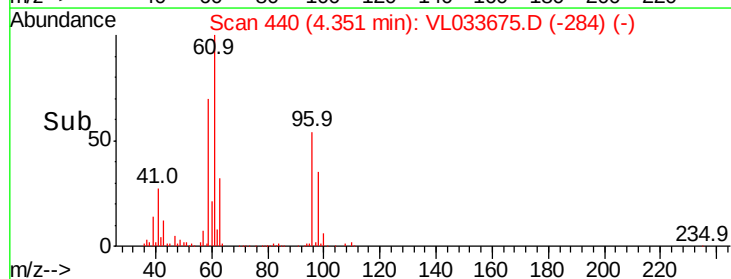
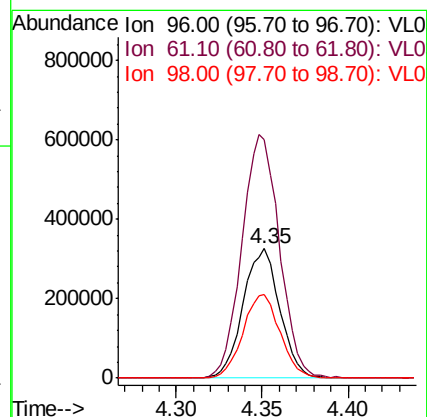
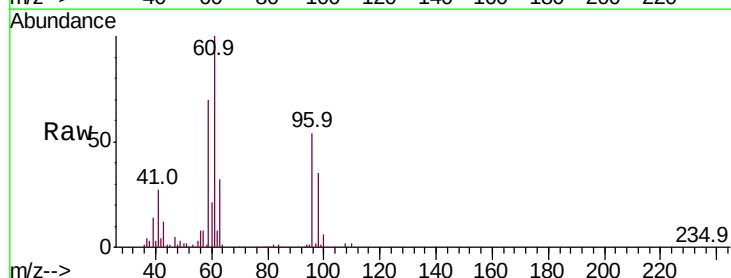
Tgt Ion: 96 Resp: 483455

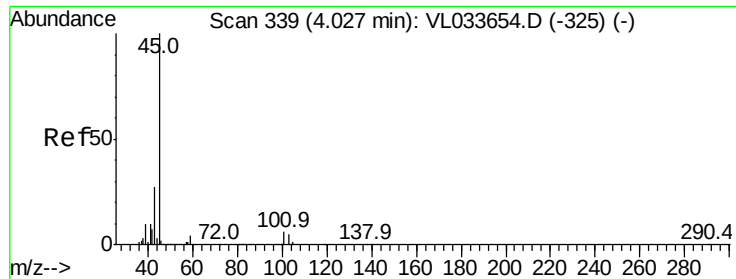
Ion Ratio Lower Upper

96 100

61 184.2 143.4 215.0

98 64.8 50.4 75.6





#19

Isopropyl Alcohol

Concen: 8.713 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

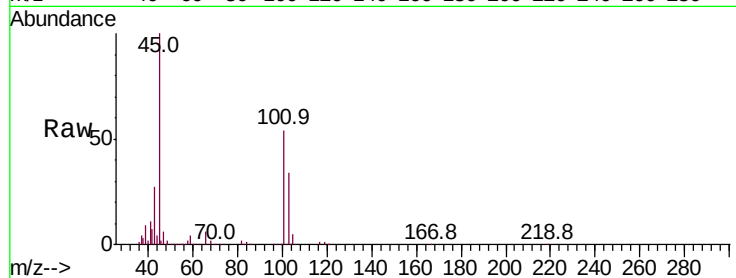
ClientSampleId :

Tot Ion: 45 Resp: 667175

Ion Ratio Lower Upper

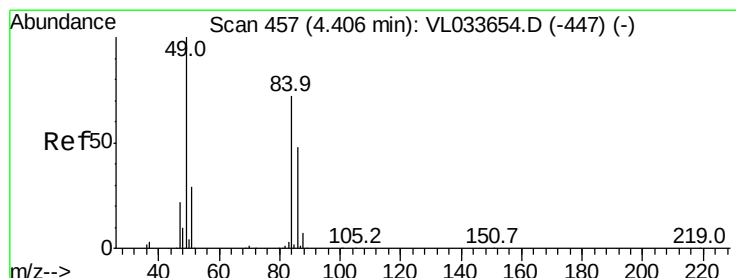
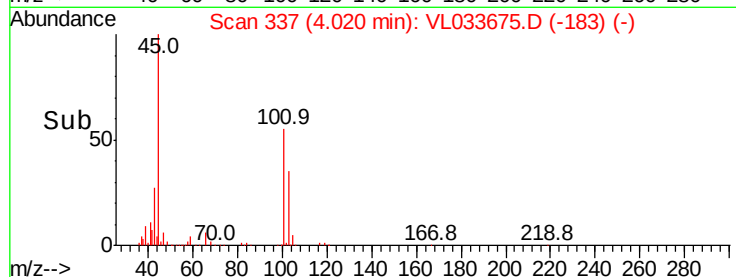
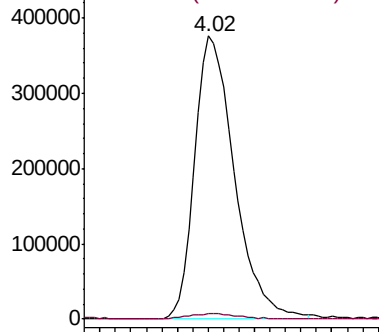
45 100

58 2.9 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.915 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Tgt Ion: 84 Resp: 421917

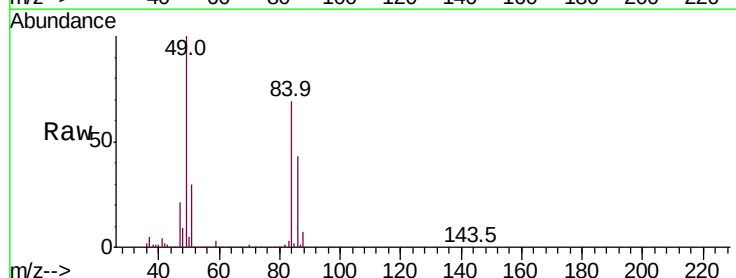
Ion Ratio Lower Upper

84 100

49 144.7 111.8 167.6

51 42.3 32.3 48.5

86 63.3 53.9 80.9

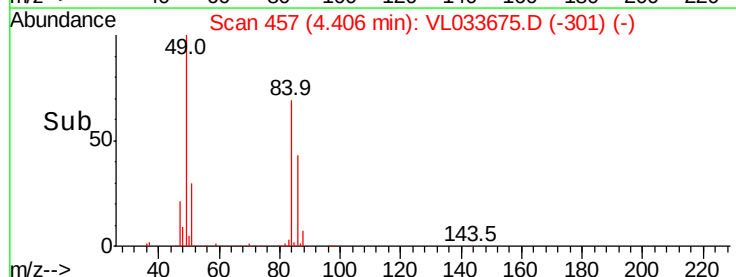
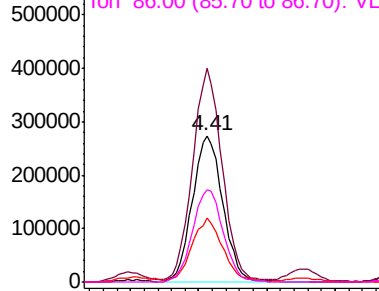


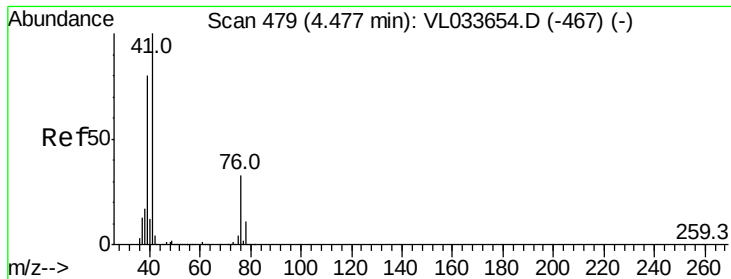
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 9.622 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

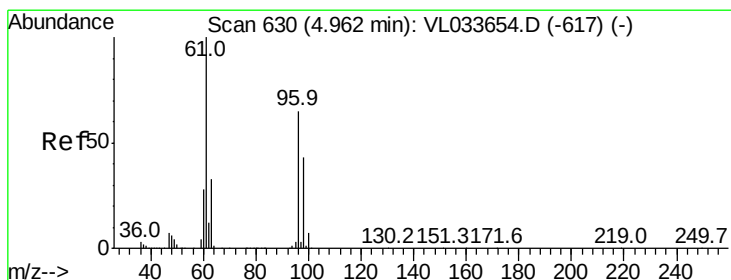
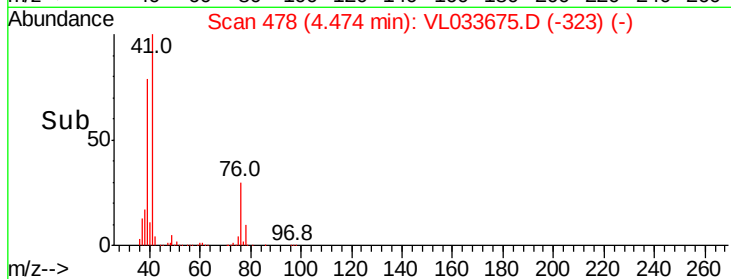
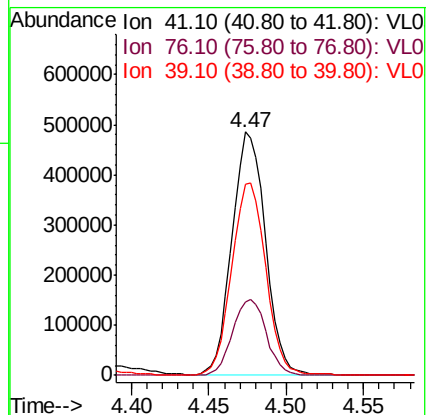
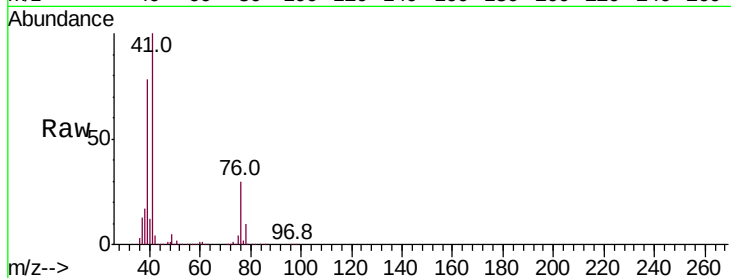
Tot Ion: 41 Resp: 725932

Ion Ratio Lower Upper

41 100

76 31.6 26.0 39.0

39 80.8 64.4 96.6



#22

trans-1,2-Dichloroethene

Concen: 9.573 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

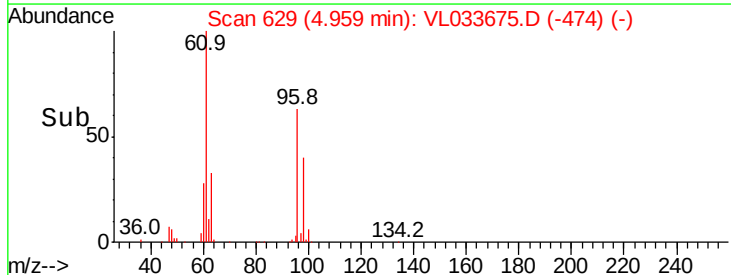
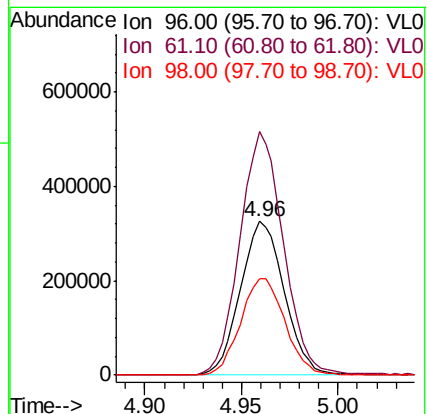
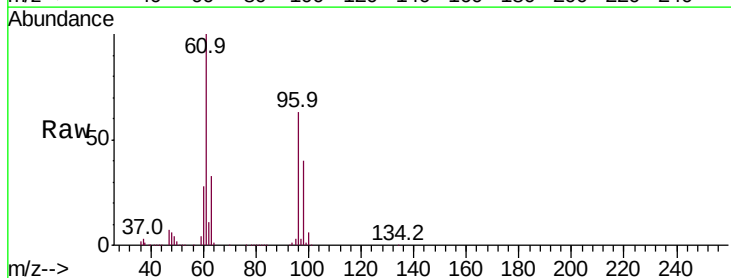
Tgt Ion: 96 Resp: 511783

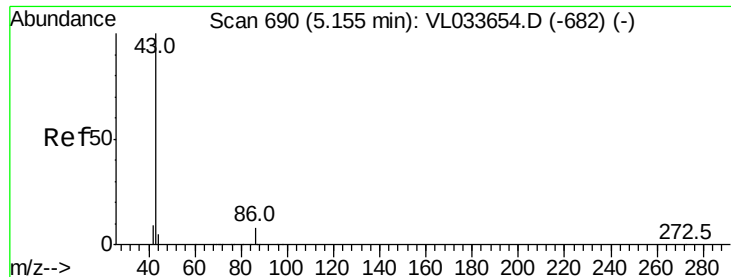
Ion Ratio Lower Upper

96 100

61 158.2 123.1 184.7

98 62.6 52.6 79.0





#23

Vinyl Acetate

Concen: 9.836 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 1592934

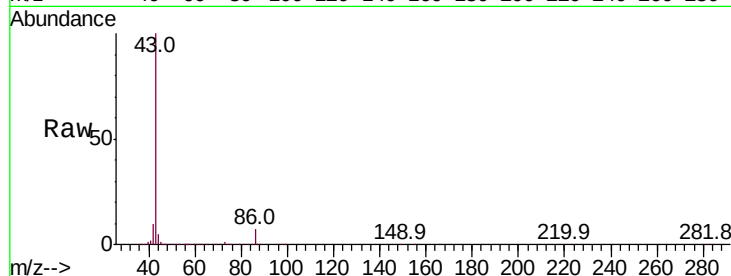
Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0

42 9.4 8.0 12.0

44 5.3 3.9 5.9

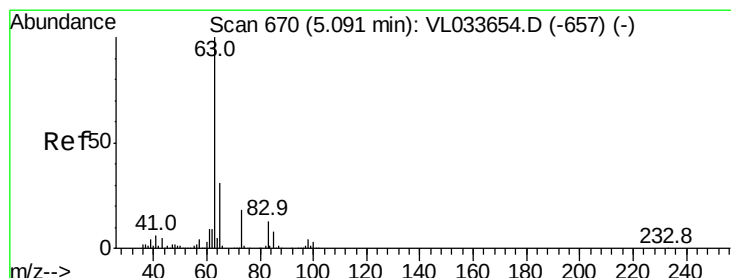
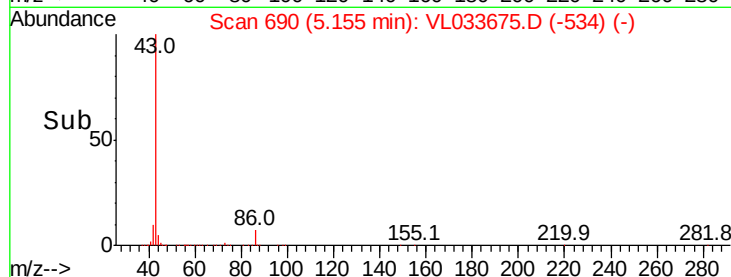
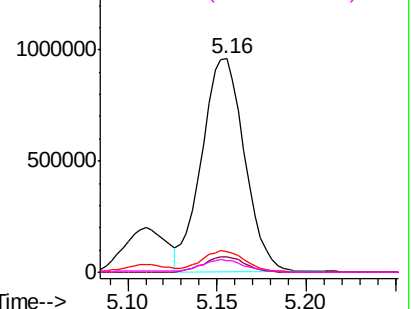


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.143 ppbv

RT: 5.09 min Scan# 670

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

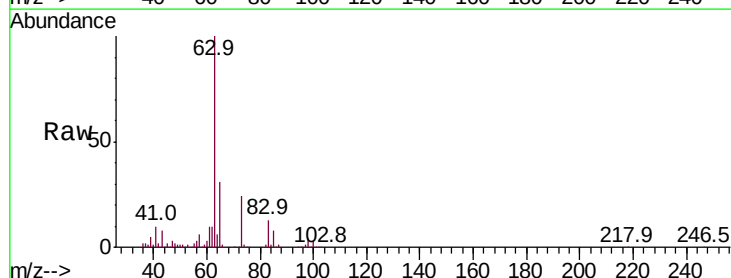
Tgt Ion: 63 Resp: 1120153

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.2

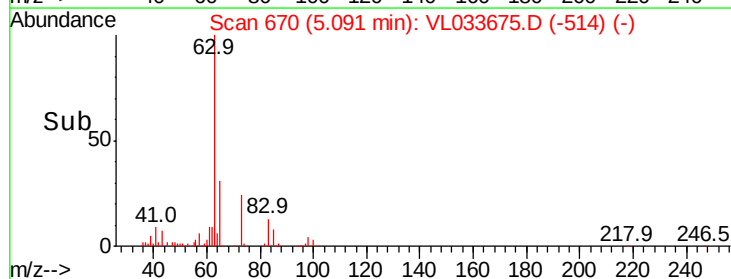
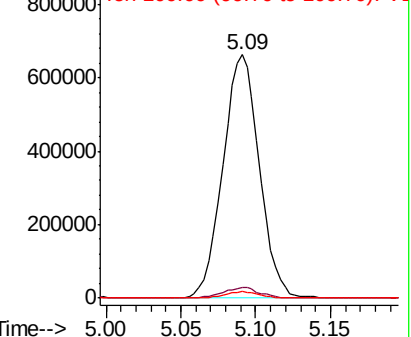
100 2.8 1.5 4.4

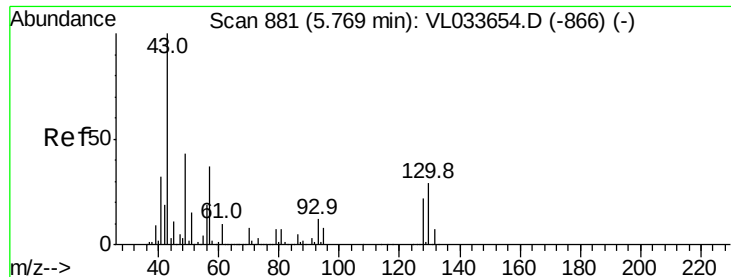


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



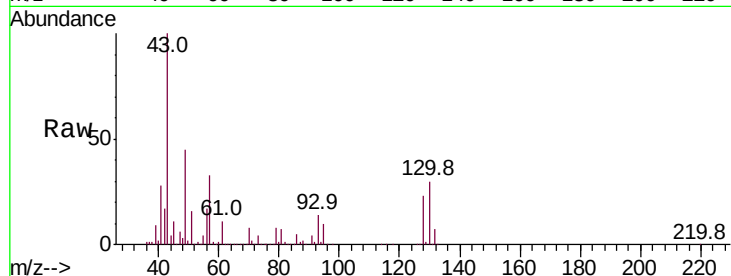


#25
Ethyl Acetate
Concen: 9.738 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1974641

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.3	7.5	11.3
70	7.0	5.8	8.8



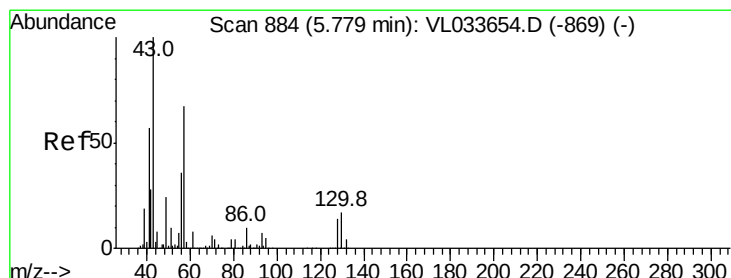
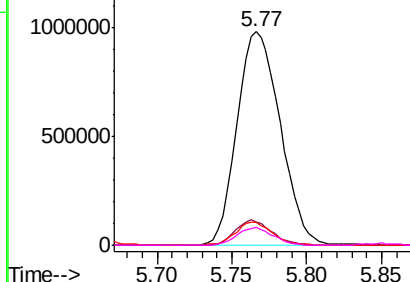
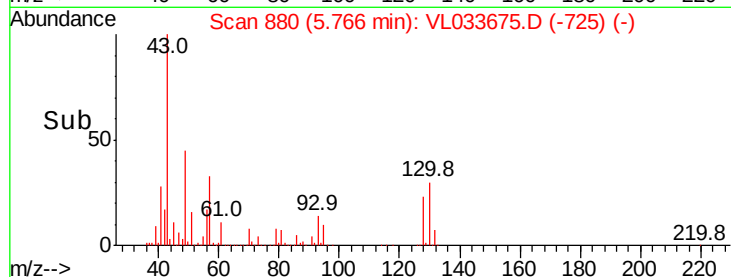
Abundance

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

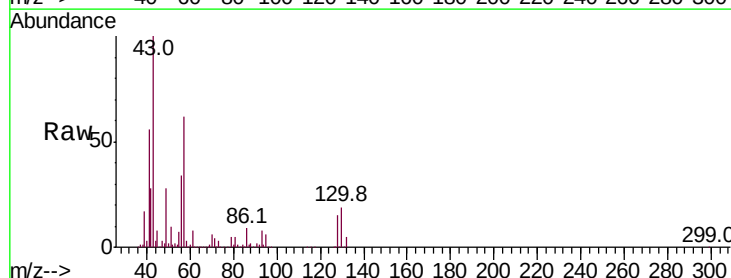
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.974 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Tgt Ion: 57 Resp: 869369

Ion	Ratio	Lower	Upper
57	100		
41	89.2	69.7	104.5
43	228.3	181.9	272.9
56	53.6	42.5	63.7



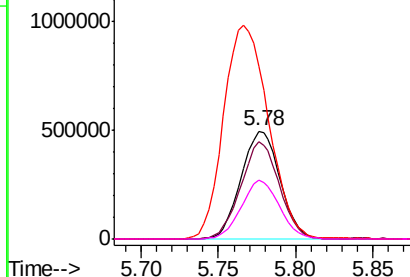
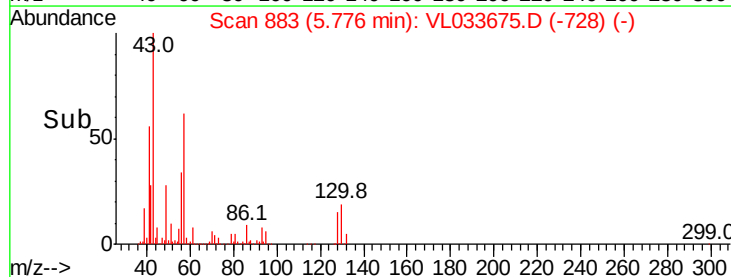
Abundance

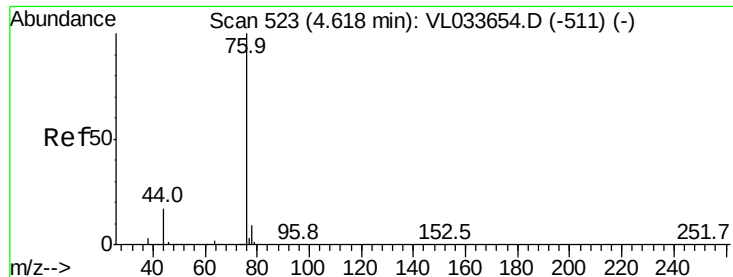
Ion 57.10 (56.80 to 57.80): VL0

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: 10.523 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

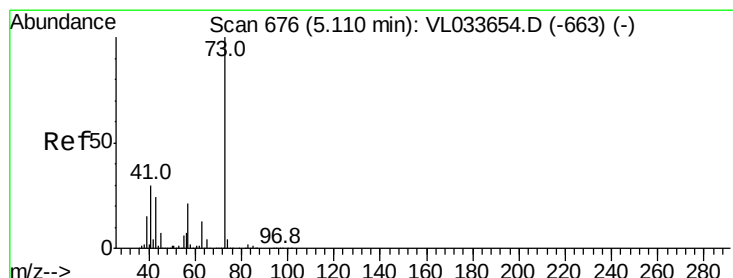
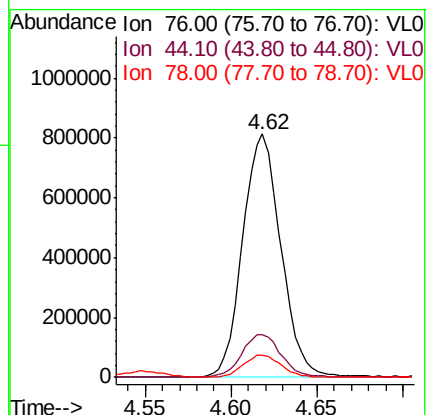
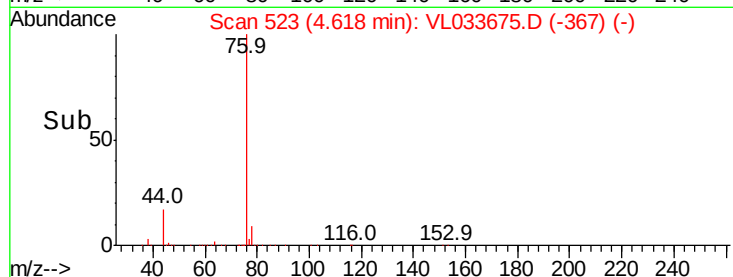
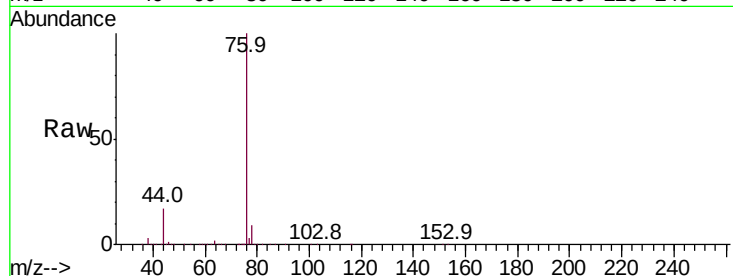
Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 76 Resp: 1254621

Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.4	21.6
78	9.2	7.4	11.2



#28

Methyl tert-Butyl Ether

Concen: 9.184 ppbv

RT: 5.11 min Scan# 676

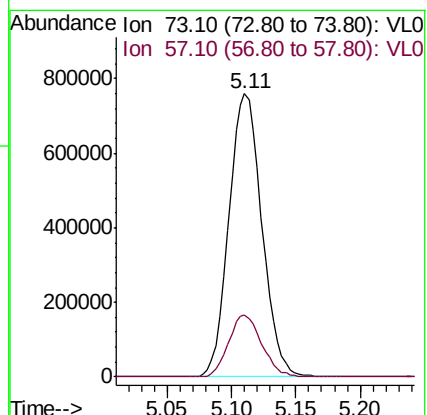
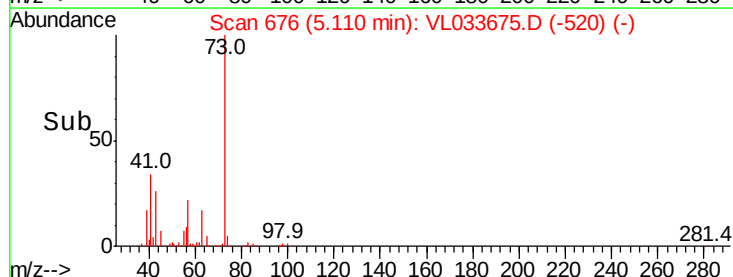
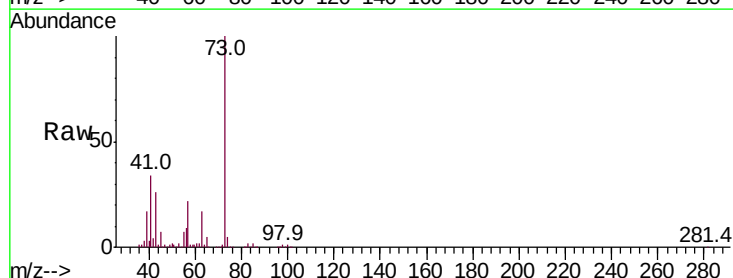
Delta R.T. 0.00 min

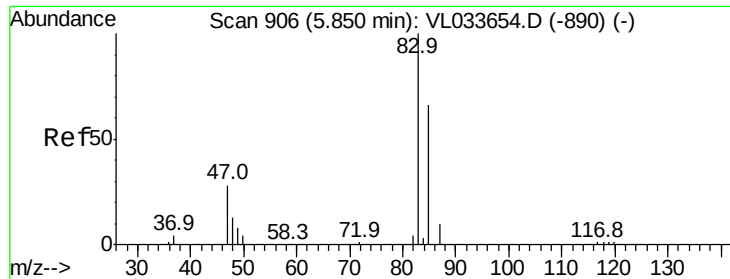
Lab File: VL033675.D

Acq: 7 May 2019 1:47

Tgt Ion: 73 Resp: 1348363

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

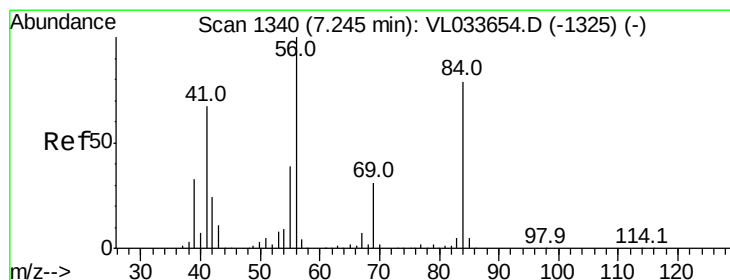
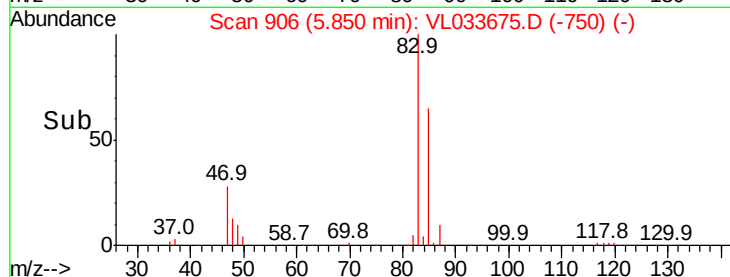
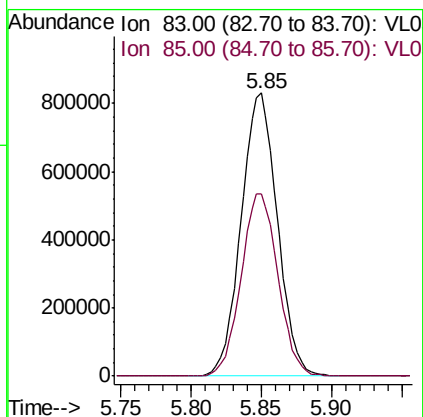
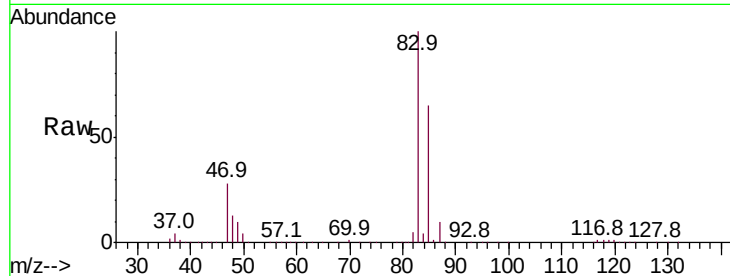




#29
Chloroform
Concen: 9.532 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

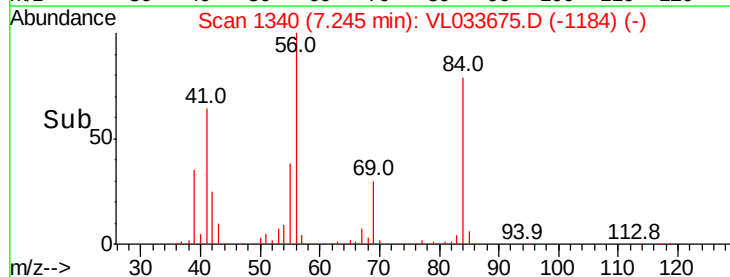
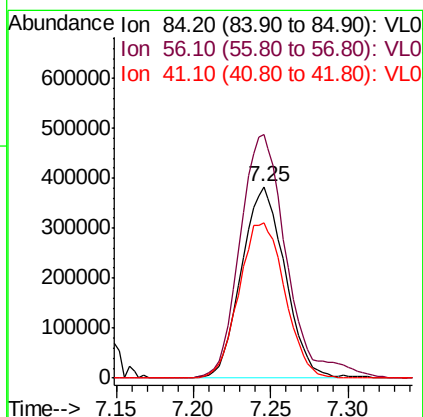
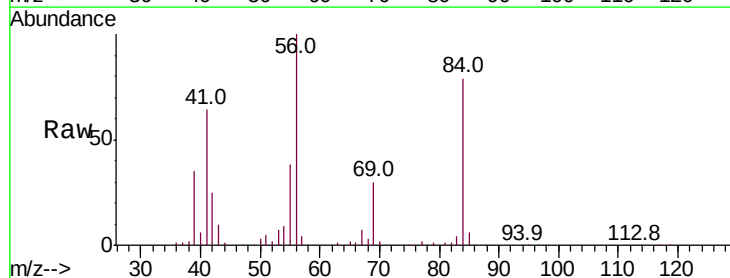
Instrument :
MSVOA_L
ClientSampleId :

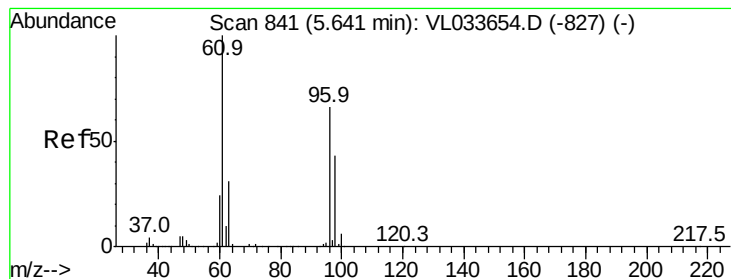
Tot Ion: 83 Resp: 1493865
Ion Ratio Lower Upper
83 100
85 64.5 52.6 78.8



#30
Cyclohexane
Concen: 10.174 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Tgt Ion: 84 Resp: 744743
Ion Ratio Lower Upper
84 100
56 137.6 107.0 160.4
41 86.2 66.6 99.8





#31

cis-1,2-Dichloroethene

Concen: 10.197 ppbv

RT: 5.64 min Scan# 841

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :
MSVOA_L
ClientSampleId :

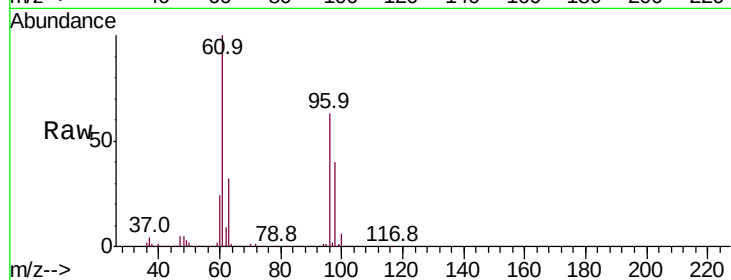
Tot Ion: 61 Resp: 884250

Ion Ratio Lower Upper

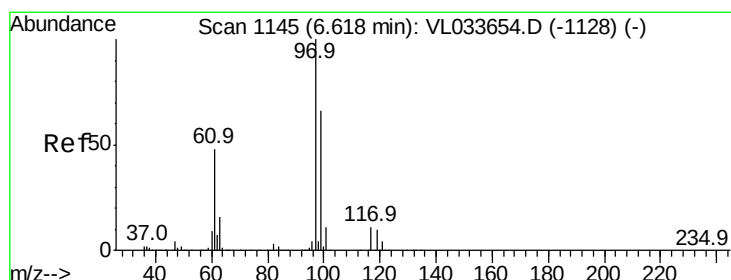
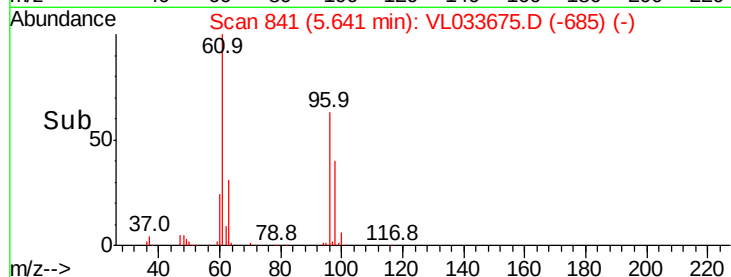
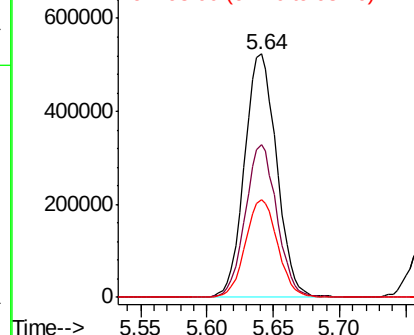
61 100

96 62.9 53.2 79.8

98 39.9 34.2 51.4



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: 9.175 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

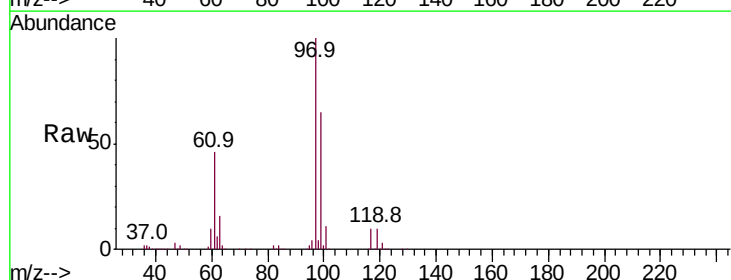
Tgt Ion: 97 Resp: 1484798

Ion Ratio Lower Upper

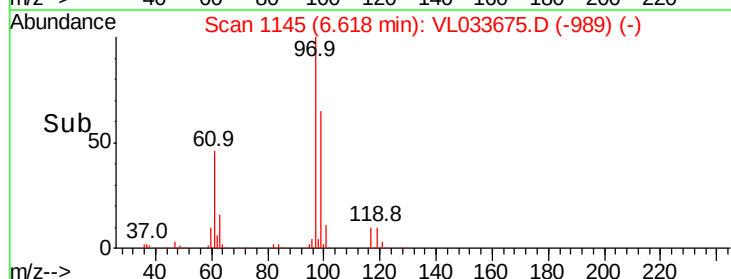
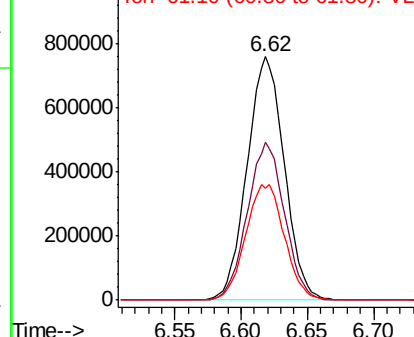
97 100

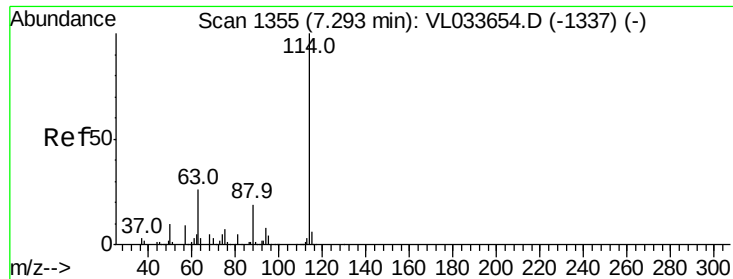
99 64.7 51.4 77.2

61 49.6 38.5 57.7



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

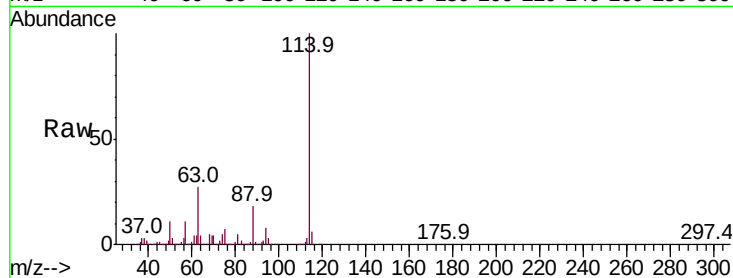




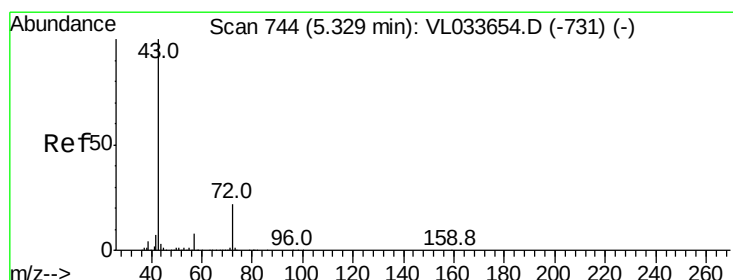
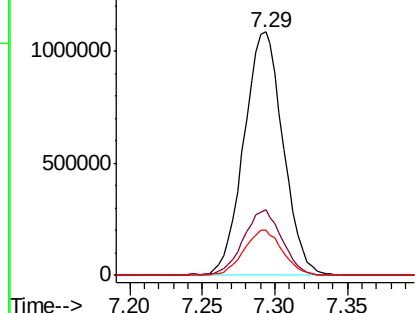
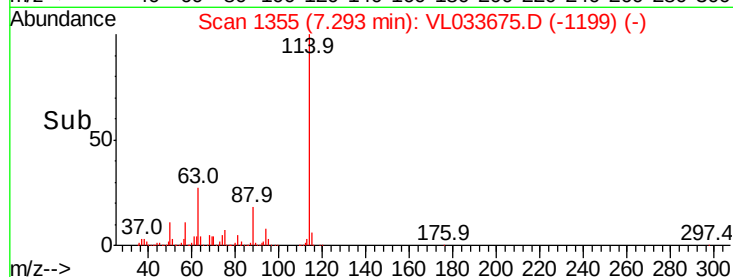
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2041046
 Ion Ratio Lower Upper
 114 100
 63 27.1 21.3 31.9
 88 18.3 14.4 21.6

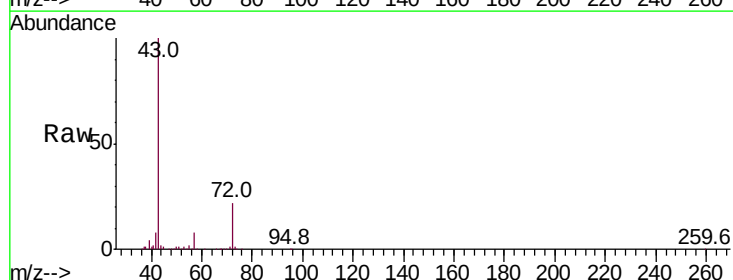


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

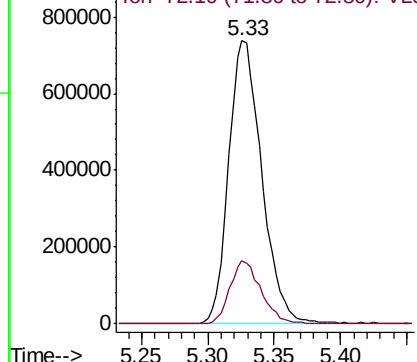
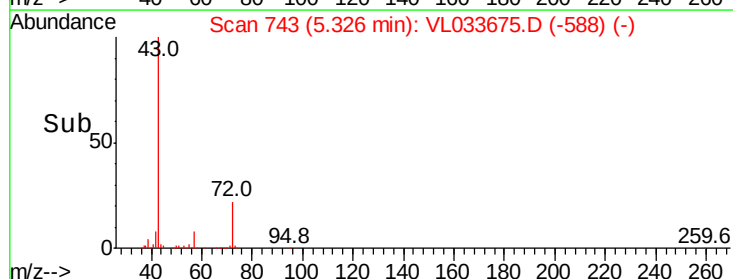


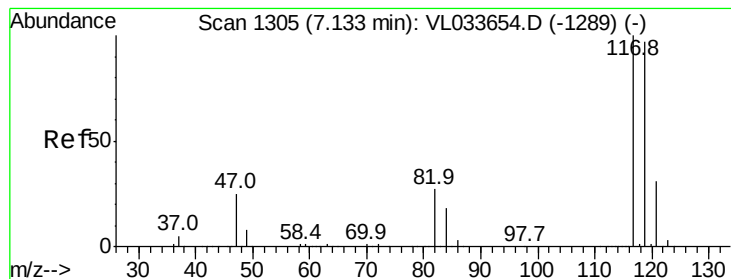
#34
 2-Butanone
 Concen: 9.772 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

Tgt Ion: 43 Resp: 1277151
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.5 26.3



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





#35

Carbon Tetrachloride

Concen: 10.293 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

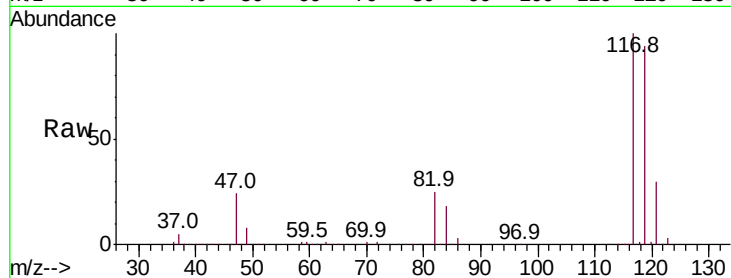
Tot Ion:117 Resp: 1726658

Ion Ratio Lower Upper

117 100

119 94.4 77.9 116.9

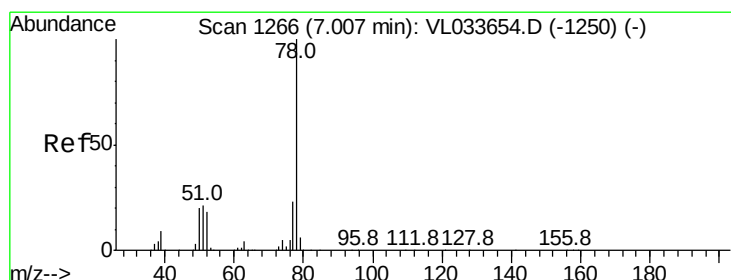
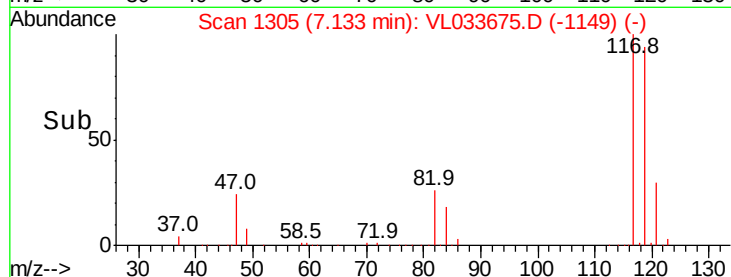
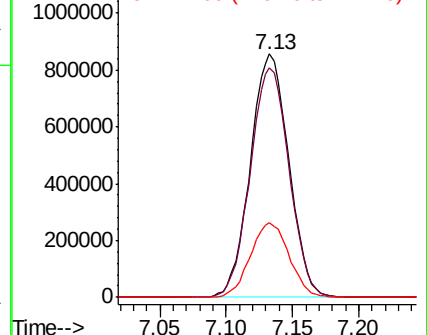
121 30.4 25.0 37.6



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: 9.873 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

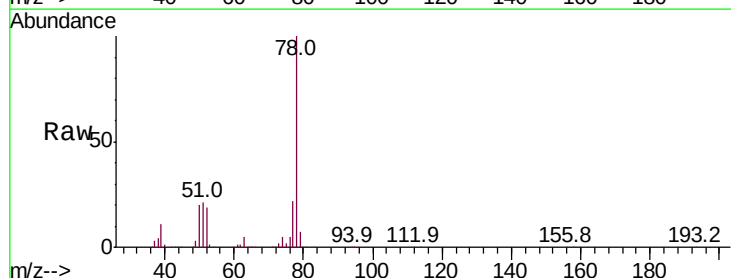
Tgt Ion: 78 Resp: 1806905

Ion Ratio Lower Upper

78 100

77 22.4 18.2 27.2

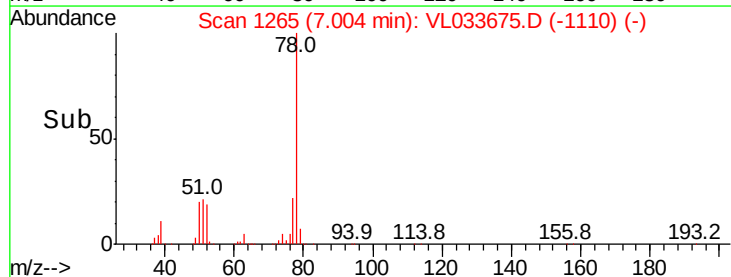
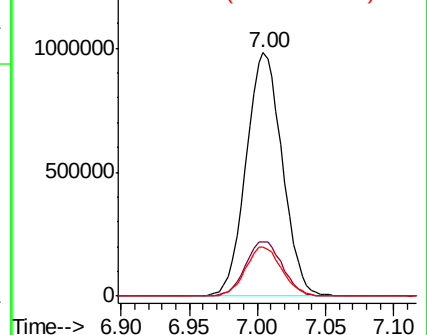
50 20.4 15.8 23.6

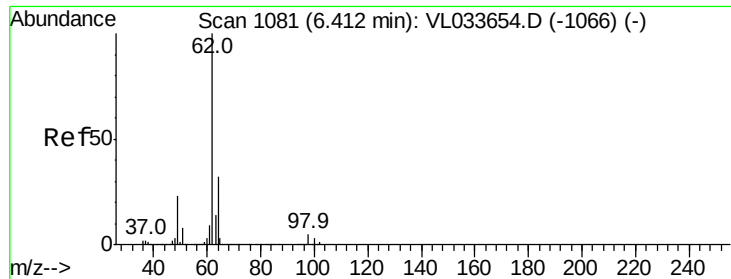


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

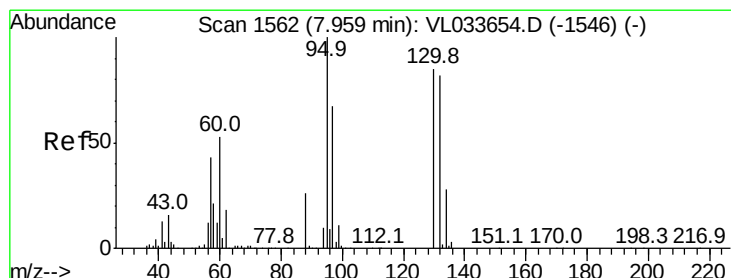
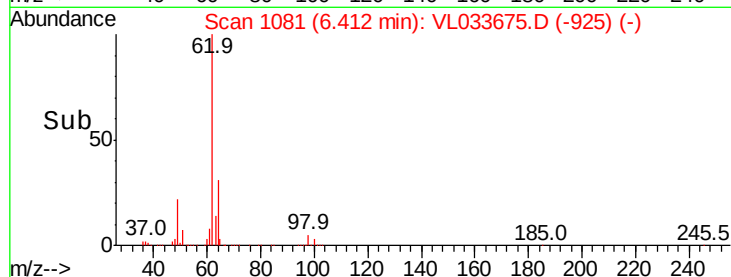
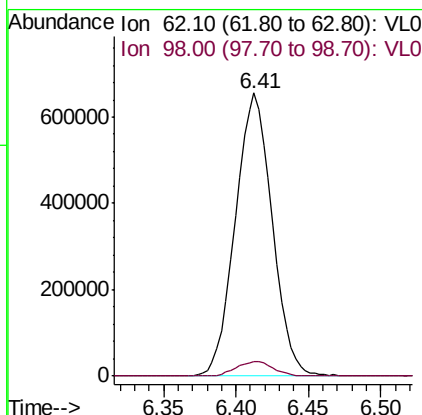
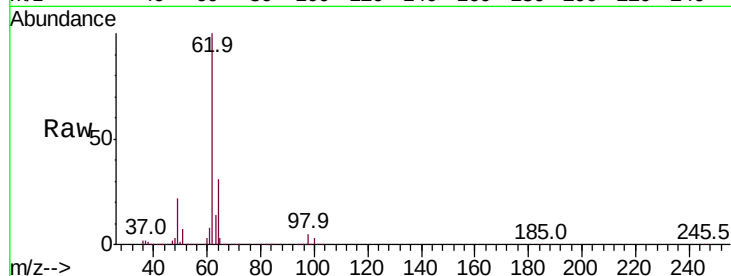




#37
1,2-Dichloroethane
Concen: 9.074 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

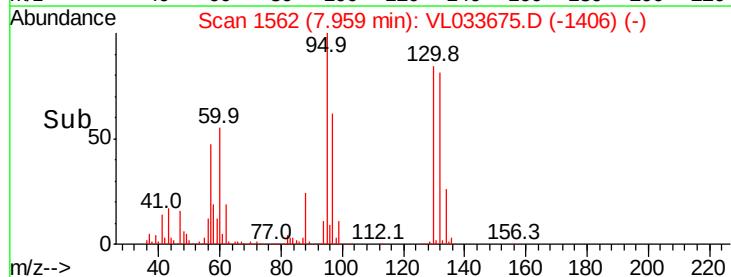
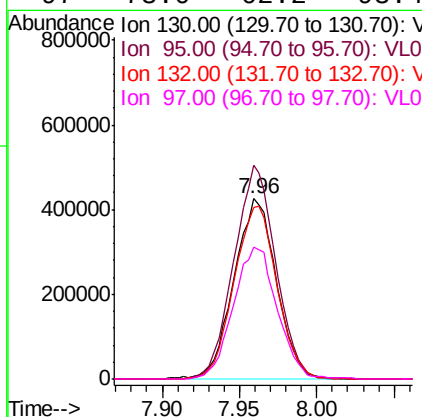
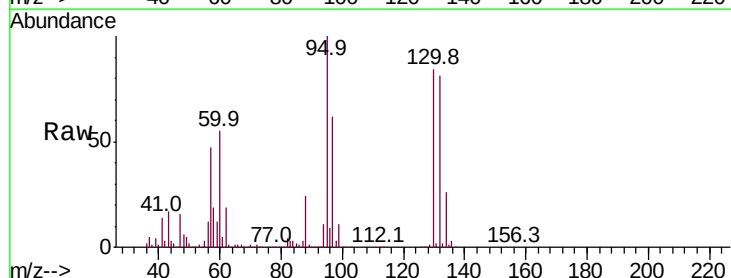
Instrument :
MSVOA_L
ClientSampleId :

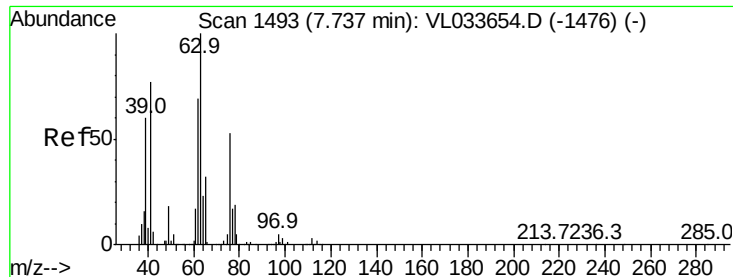
Tot Ion: 62 Resp: 1158709
Ion Ratio Lower Upper
62 100
98 5.3 4.5 6.7



#38
Trichloroethene
Concen: 11.991 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Tgt Ion:130 Resp: 805015
Ion Ratio Lower Upper
130 100
95 118.4 93.4 140.0
132 95.5 76.2 114.4
97 73.0 62.2 93.4

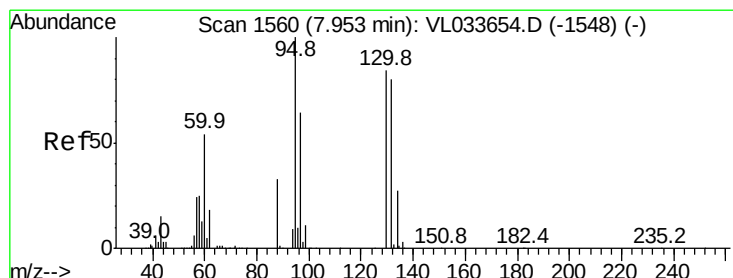
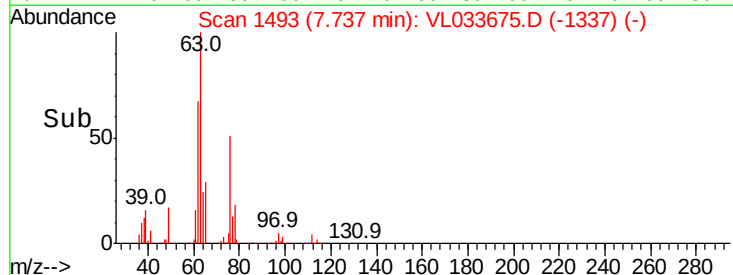
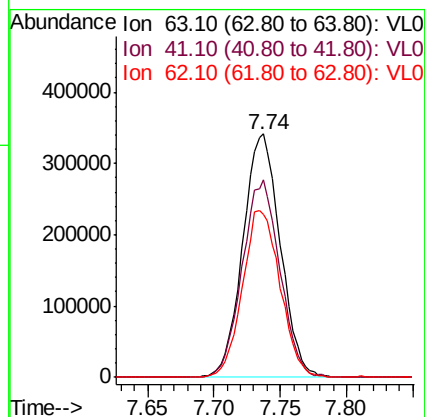
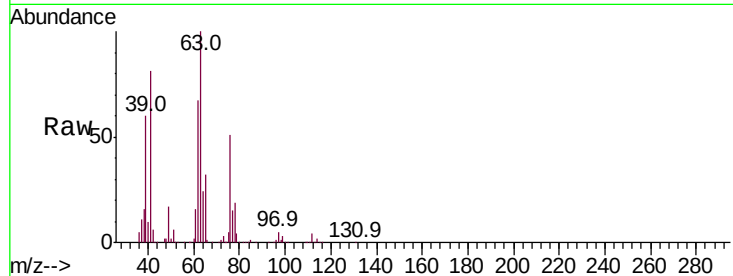




#39
 1,2-Dichloropropane
 Concen: 9.769 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

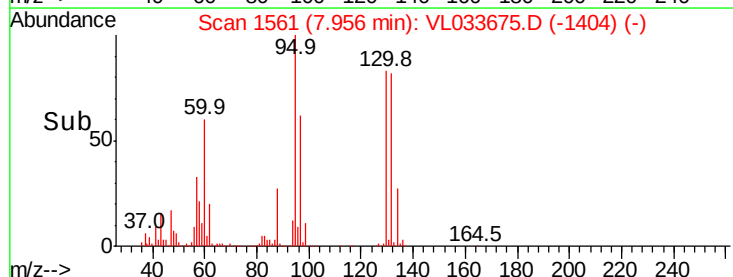
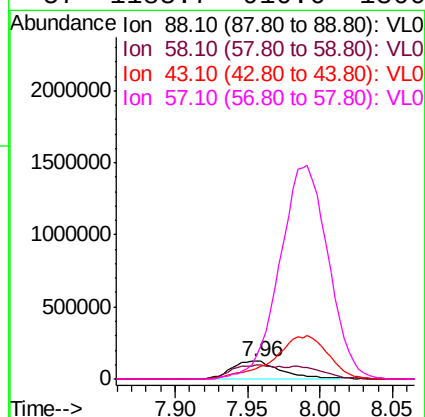
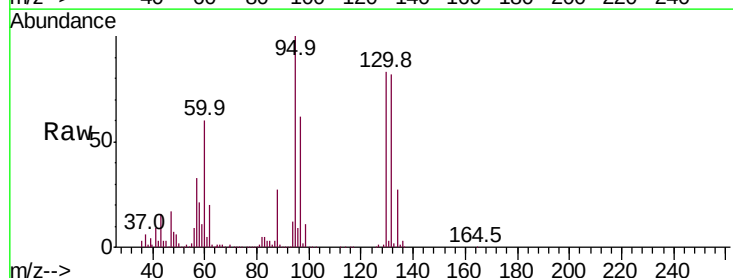
Instrument :
 MSVOA_L
 ClientSampleId :

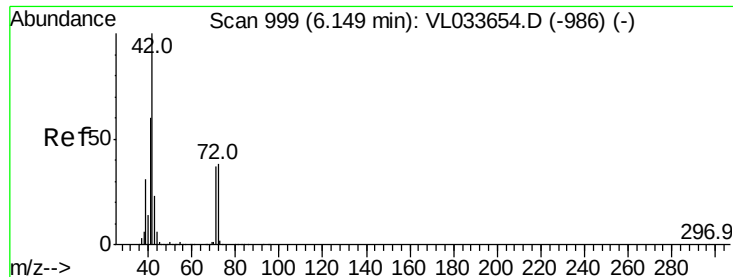
Tot Ion	Ratio	Lower	Upper
63	100		
41	81.0	61.6	92.4
62	66.8	55.0	82.6



#40
 1,4-Dioxane
 Concen: 10.722 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.6	102.3	153.5
43	270.0	206.1	309.1
57	1183.7	910.6	1366.0





#41

Tetrahydrofuran

Concen: 10.405 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampled :

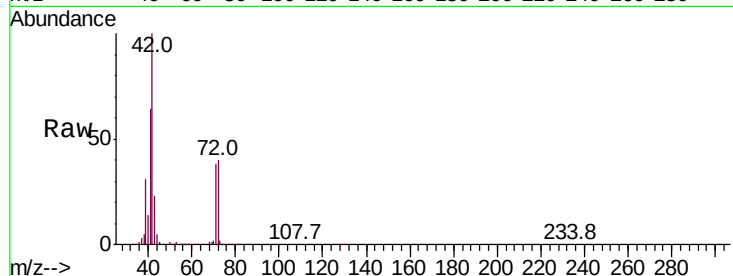
Tot Ion: 42 Resp: 702784

Ion Ratio Lower Upper

42 100

72 38.8 31.6 47.4

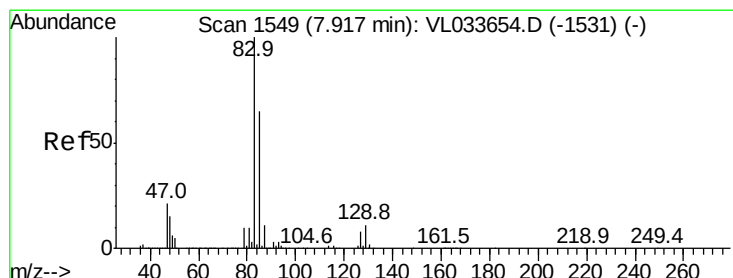
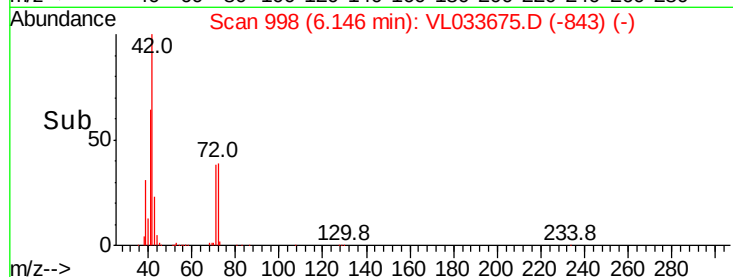
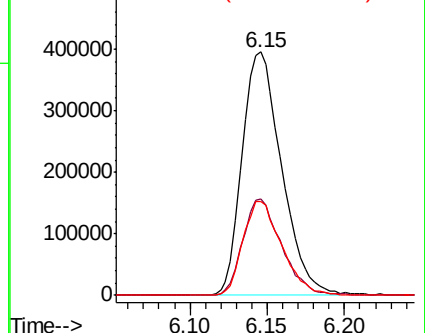
71 38.0 30.6 46.0



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: 10.590 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

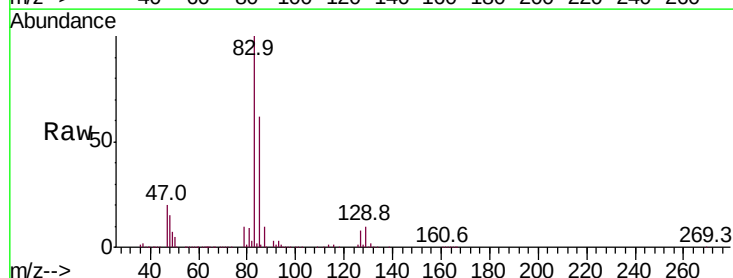
Tgt Ion: 83 Resp: 1746066

Ion Ratio Lower Upper

83 100

85 61.8 52.4 78.6

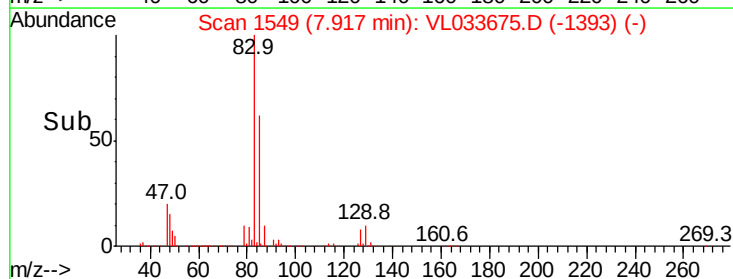
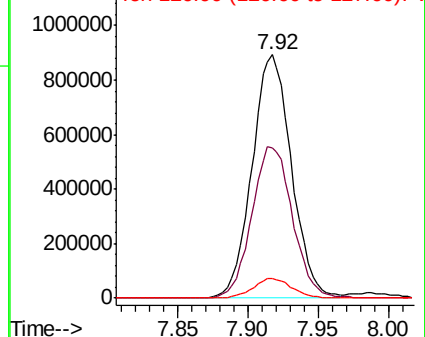
127 8.3 6.6 9.8

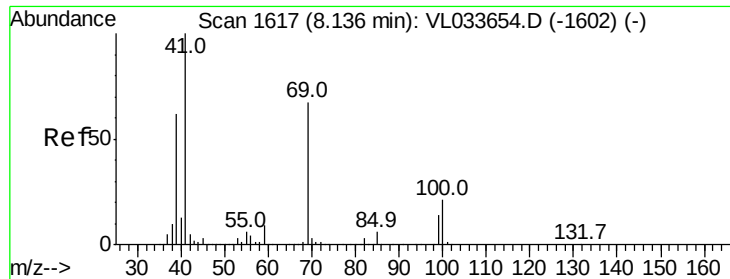


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

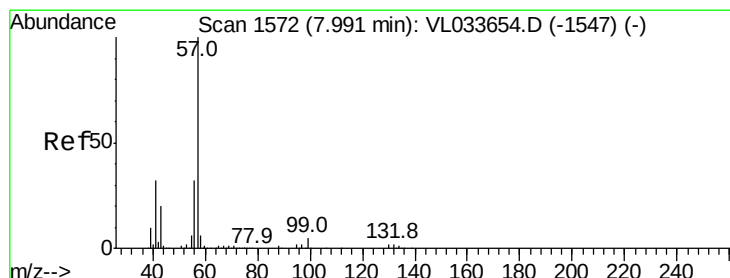
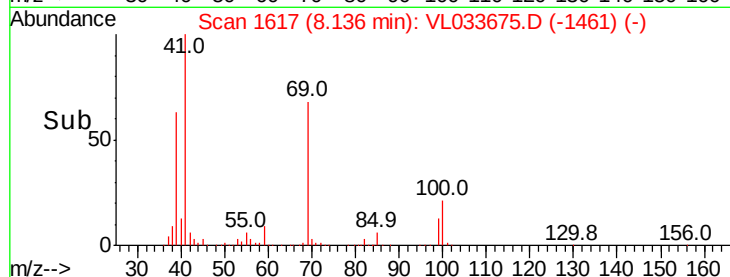
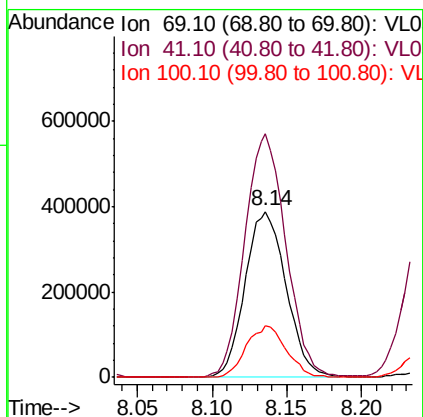
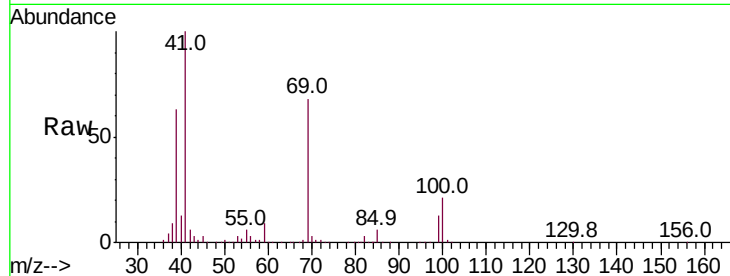




#43
Methyl Methacrylate
Concen: 10.777 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

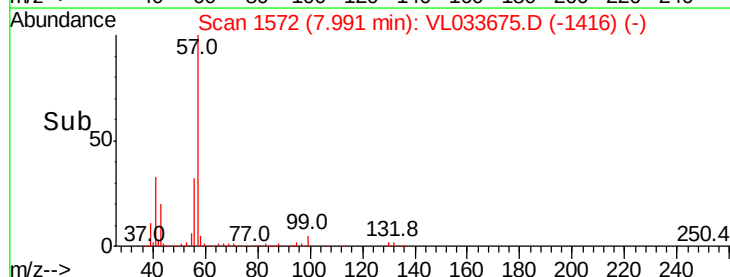
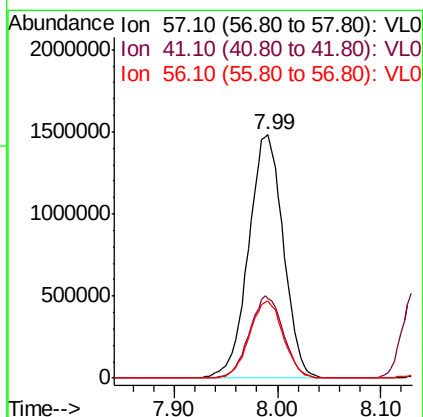
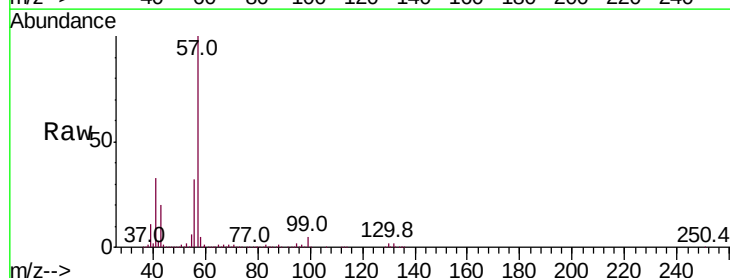
Instrument :
MSVOA_L
ClientSampleId :

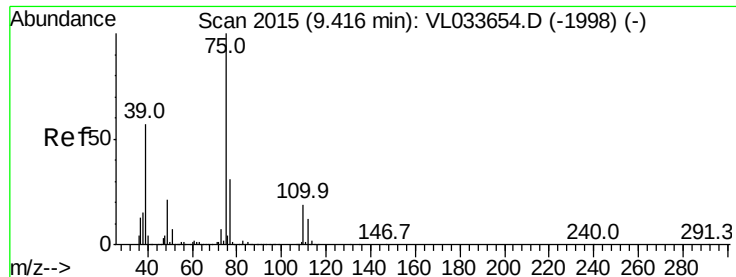
Tot Ion: 69 Resp: 741945
Ion Ratio Lower Upper
69 100
41 147.2 116.6 175.0
100 30.3 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 11.050 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Tgt Ion: 57 Resp: 3457738
Ion Ratio Lower Upper
57 100
41 33.0 25.7 38.5
56 30.9 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 12.190 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

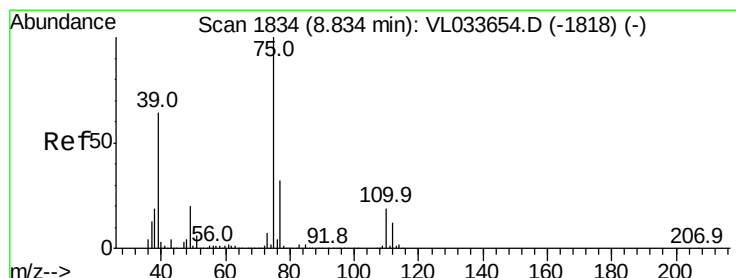
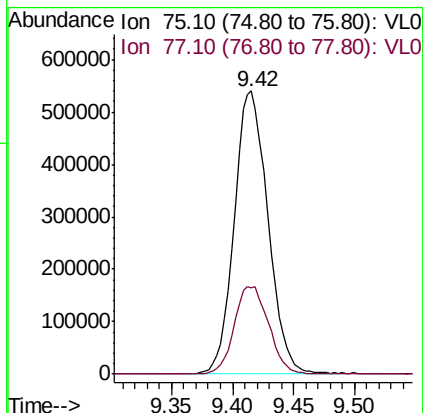
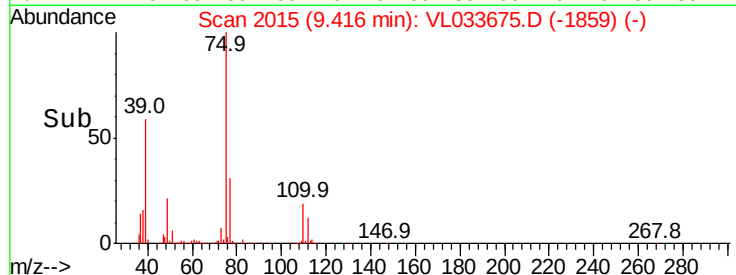
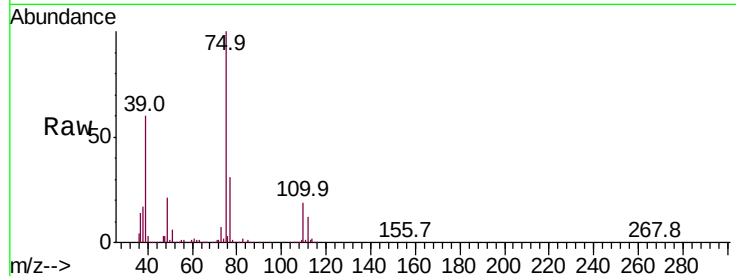
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1029952

Ion Ratio Lower Upper

75 100

77 30.5 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.901 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

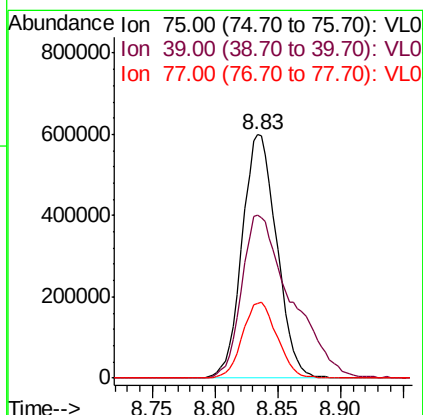
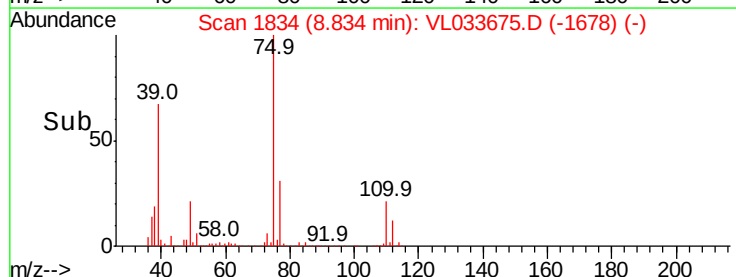
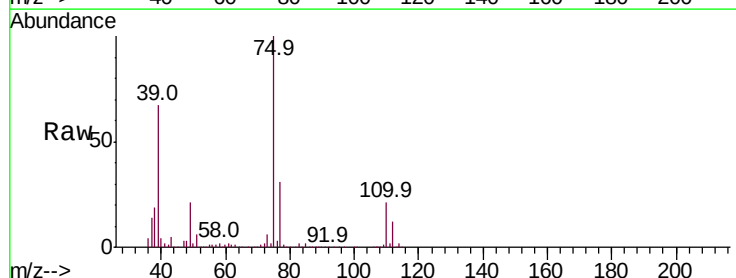
Tgt Ion: 75 Resp: 1149503

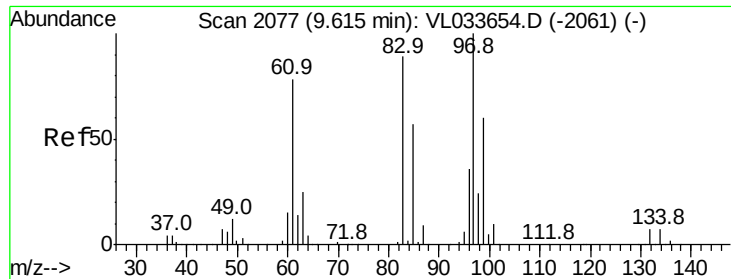
Ion Ratio Lower Upper

75 100

39 66.7 51.5 77.3

77 30.9 25.4 38.0

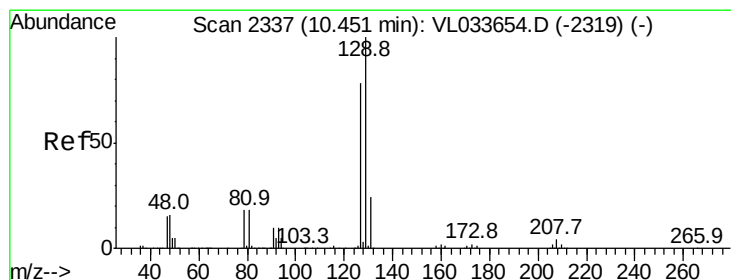
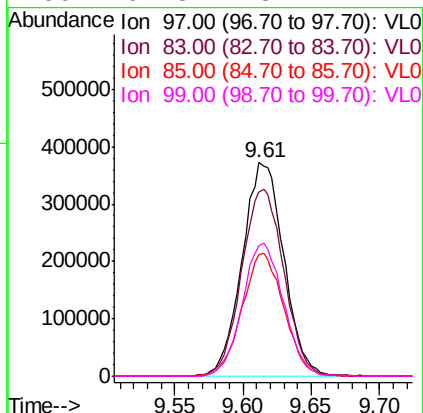
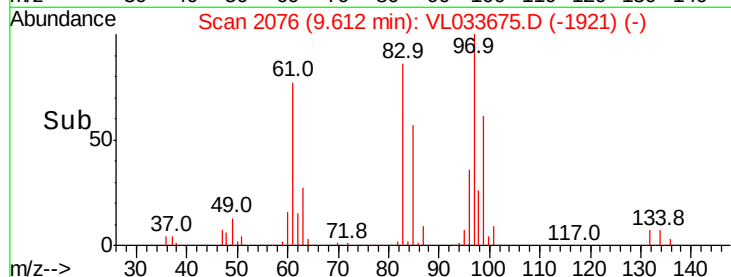
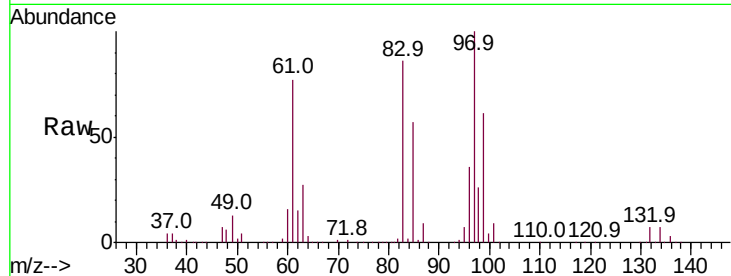




#47
 1,1,2-Trichloroethane
 Concen: 10.063 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

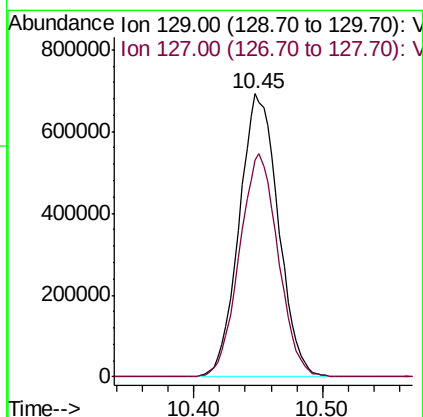
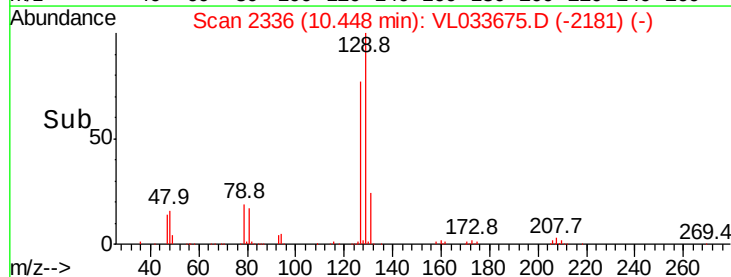
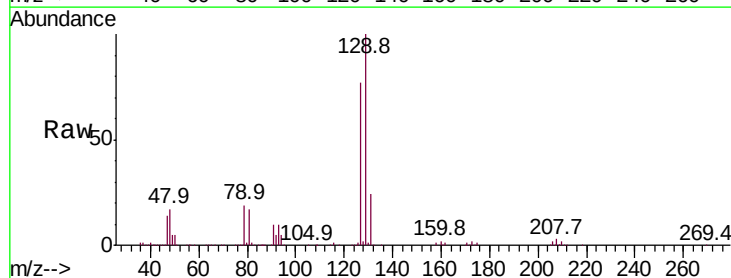
Instrument :
 MSVOA_L
 ClientSampleId :

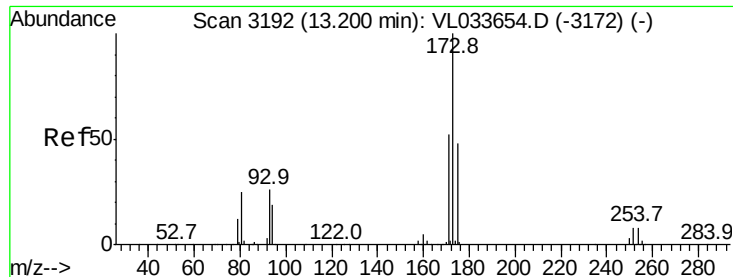
Tot Ion:	97	Resp:	788241
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.9	106.3
85	56.5	45.8	68.6
99	61.3	48.2	72.4



#48
 Dibromochloromethane
 Concen: 11.019 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

Tgt Ion:	129	Resp:	1463260
Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.2





#49

Bromoform

Concen: 11.295 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

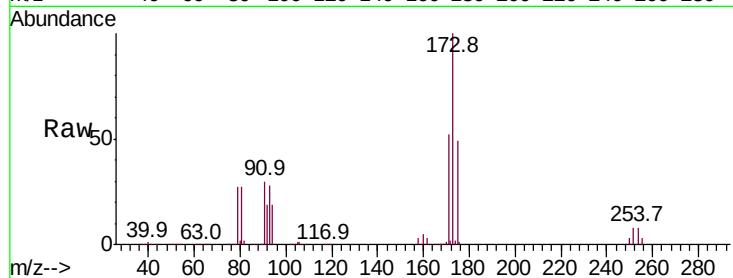
Tot Ion:173 Resp: 1302793

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

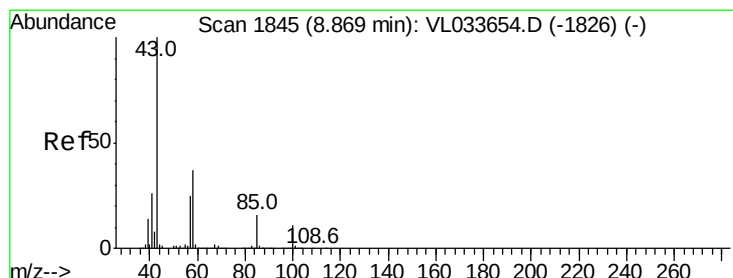
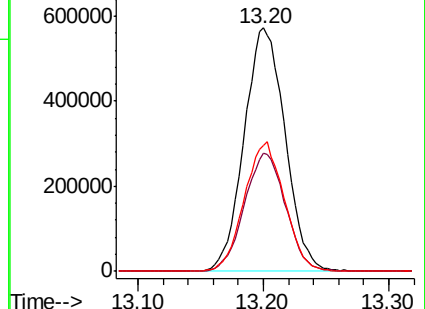
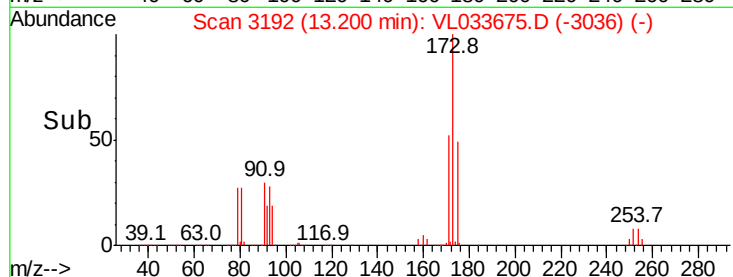
171 52.1 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.404 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033675.D

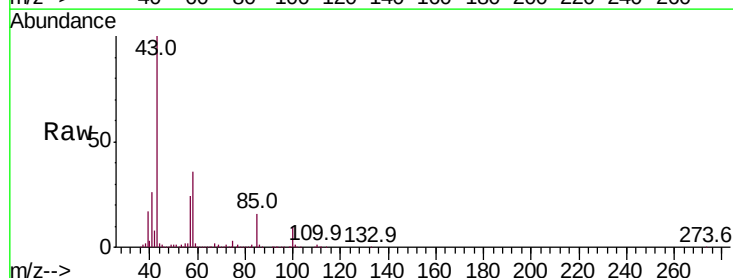
Acq: 7 May 2019 1:47

Tgt Ion: 43 Resp: 2059053

Ion Ratio Lower Upper

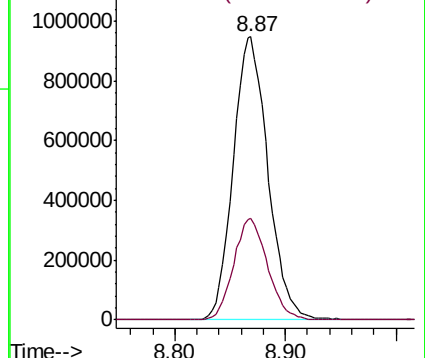
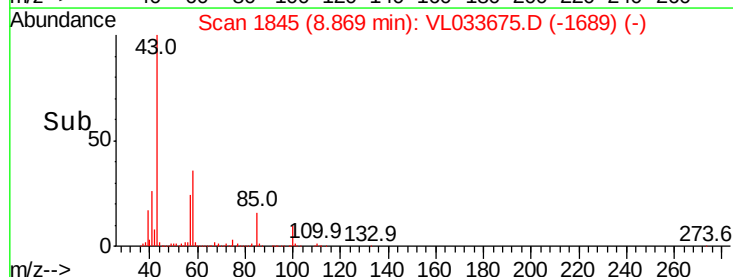
43 100

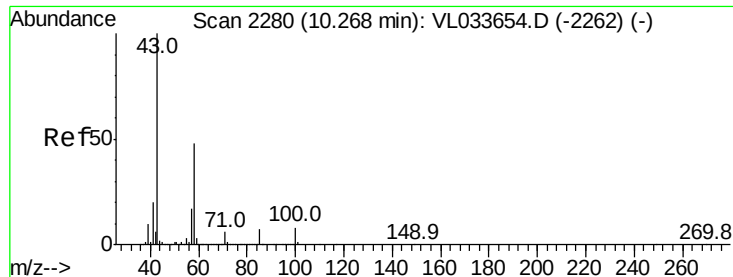
58 35.2 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

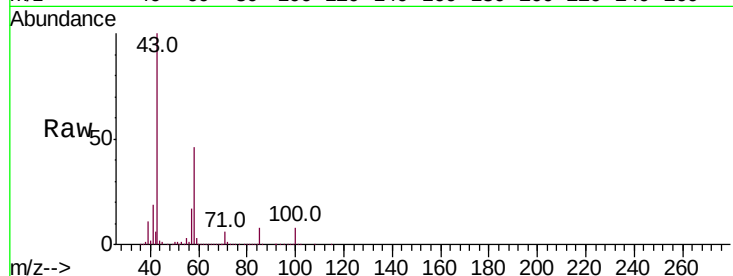




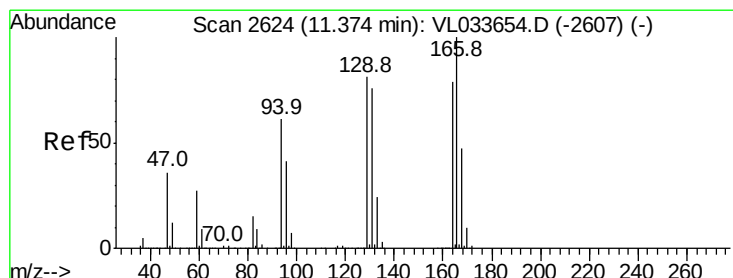
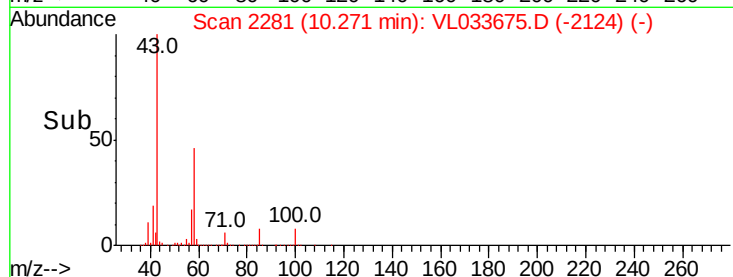
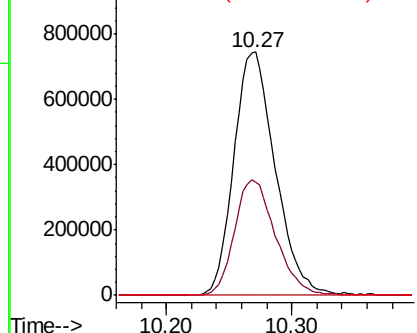
#51
2-Hexanone
Concen: 11.096 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1701246
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.4
98 0.4 0.2 0.4#

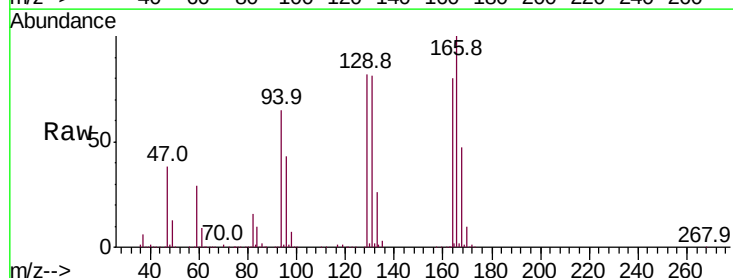


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

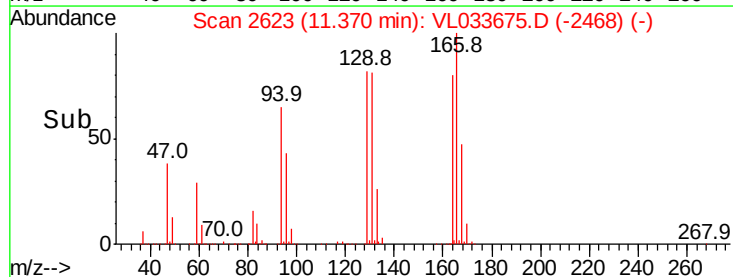
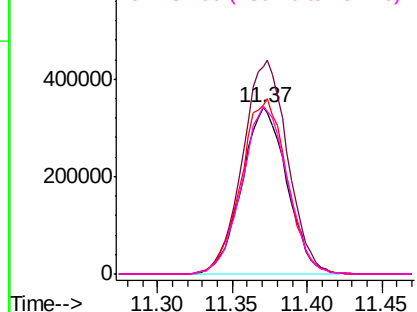


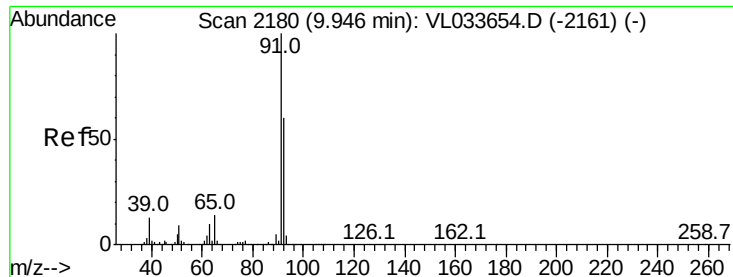
#52
Tetrachloroethene
Concen: 10.934 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Tgt Ion: 164 Resp: 708955
Ion Ratio Lower Upper
164 100
166 124.9 100.6 151.0
129 102.2 81.0 121.6
131 101.2 76.4 114.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.176 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

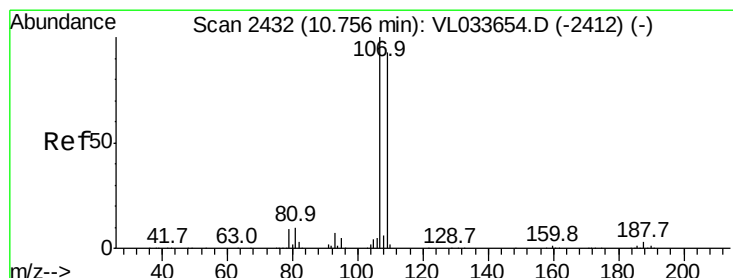
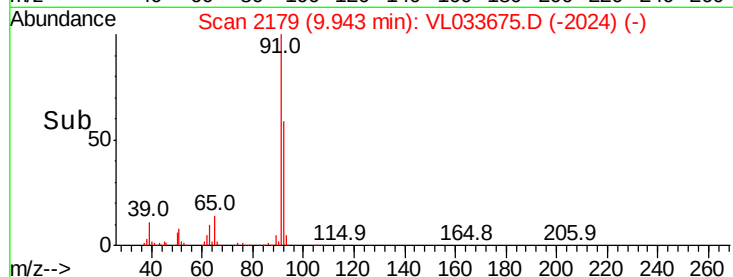
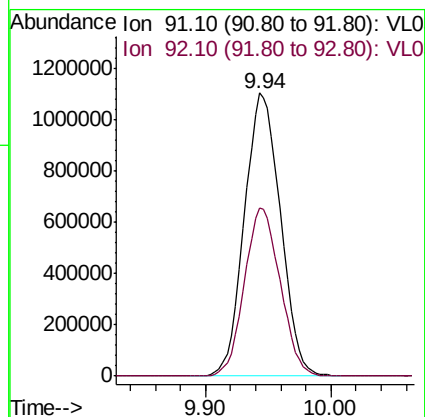
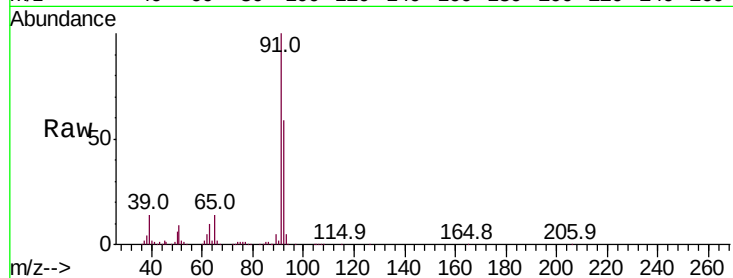
ClientSampleId :

Tot Ion: 91 Resp: 2210020

Ion Ratio Lower Upper

91 100

92 59.0 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.684 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033675.D

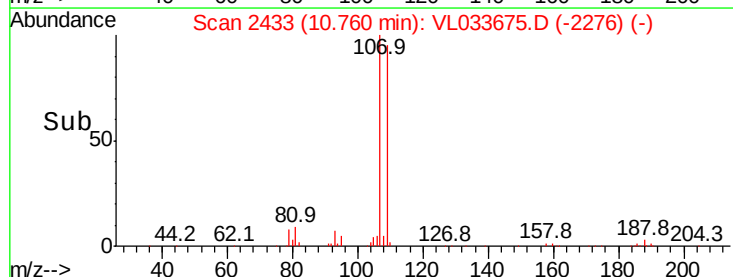
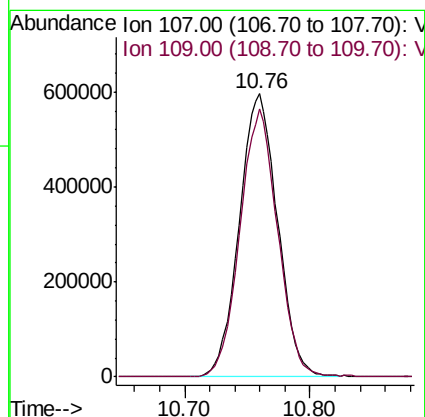
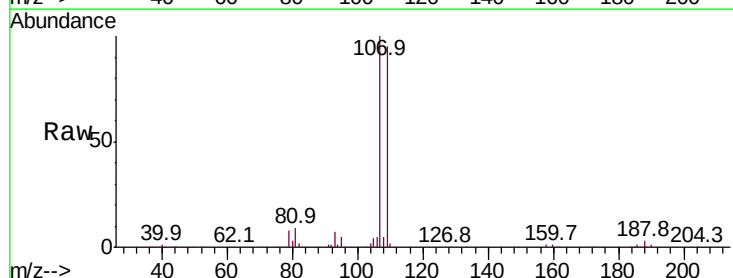
Acq: 7 May 2019 1:47

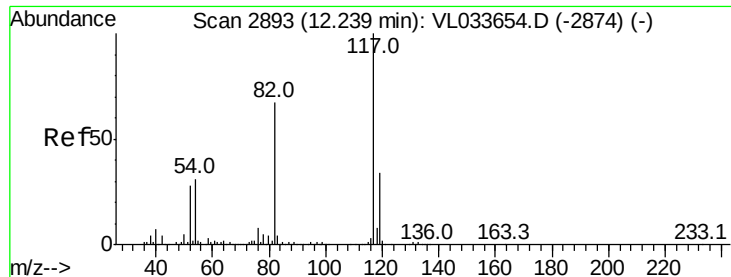
Tgt Ion:107 Resp: 1260694

Ion Ratio Lower Upper

107 100

109 94.7 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

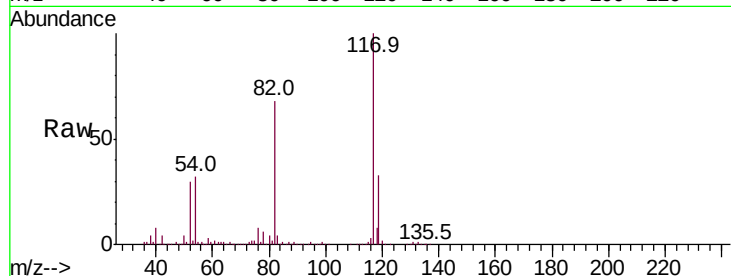
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2723937

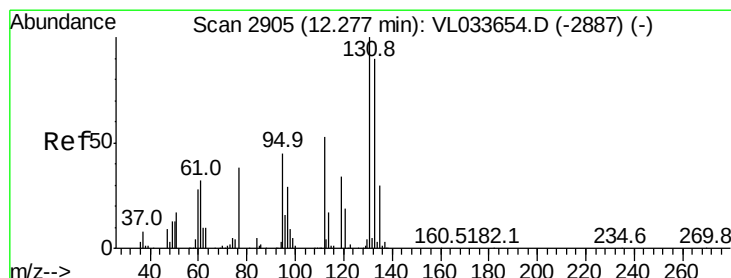
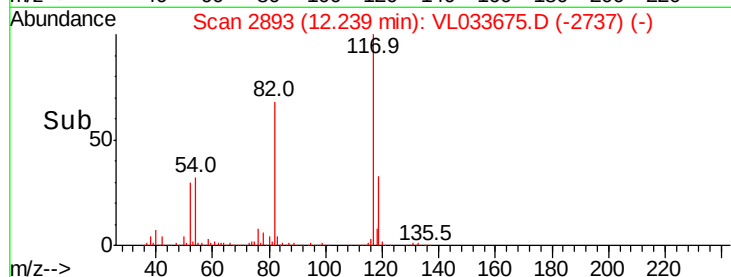
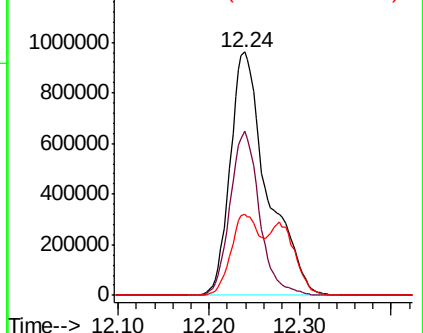
Ion	Ratio	Lower	Upper
117	100		
82	53.8	49.7	74.5
119	26.4	24.8	37.2



Abundance Ion 117.10 (116.80 to 117.80): V

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: 7.999 ppbv

RT: 12.28 min Scan# 2905

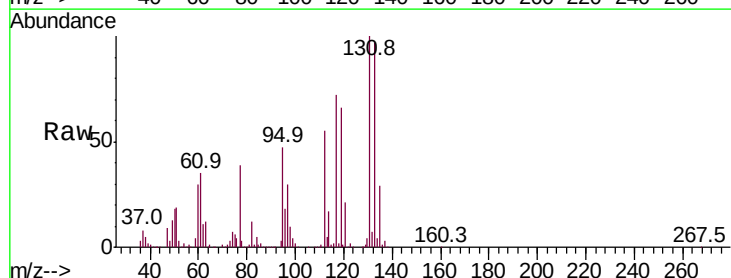
Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Tgt Ion:131 Resp: 1005051

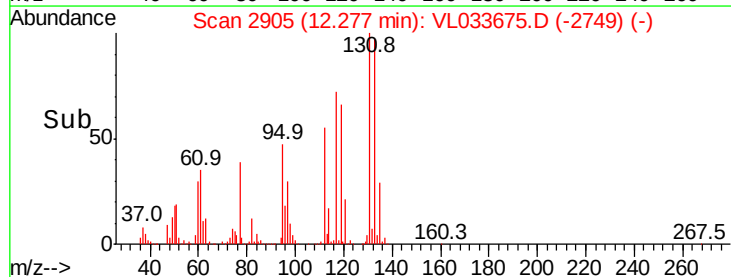
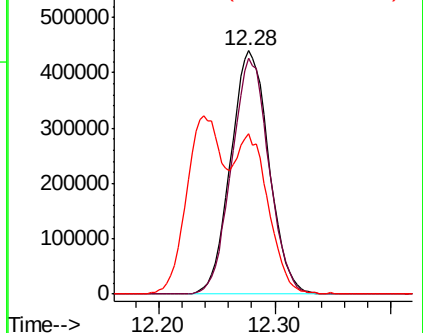
Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.0	114.0
119	57.5	45.4	68.2

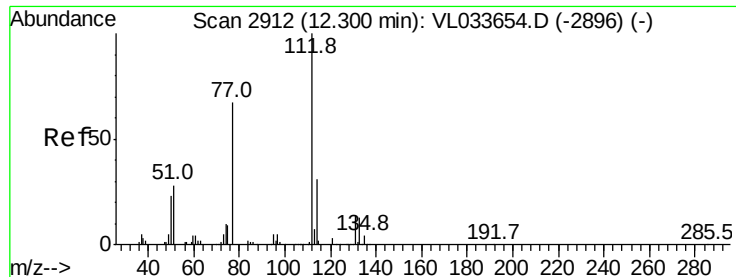


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.878 ppbv

RT: 12.30 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

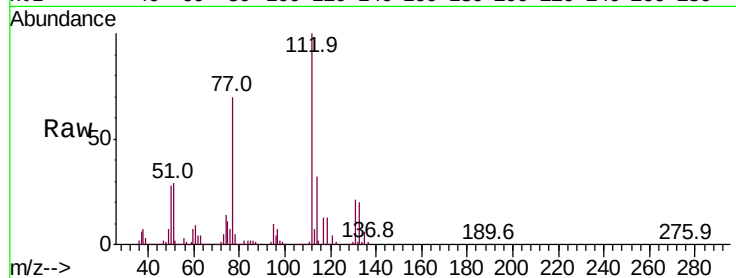
Tot Ion:112 Resp: 1761915

Ion	Ratio	Lower	Upper
112	100		
77	69.4	54.4	81.6
114	31.4	28.2	34.4

112 100

77 69.4 54.4 81.6

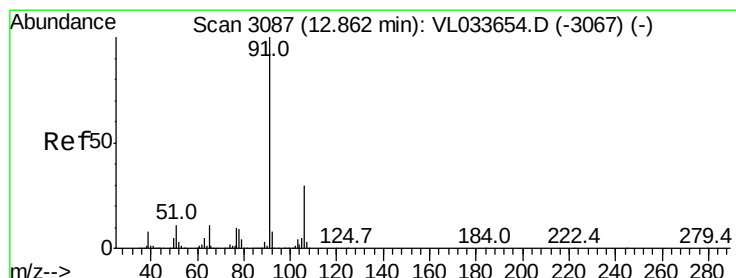
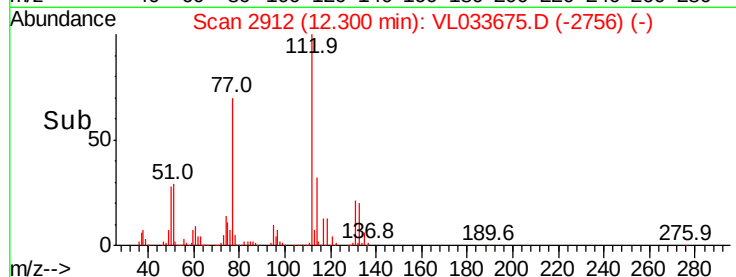
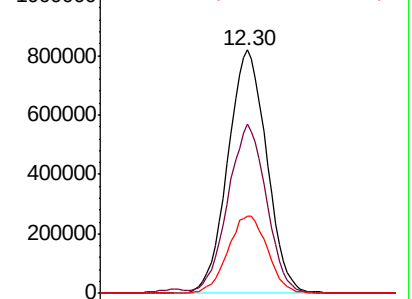
114 31.4 28.2 34.4



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: 8.706 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL033675.D

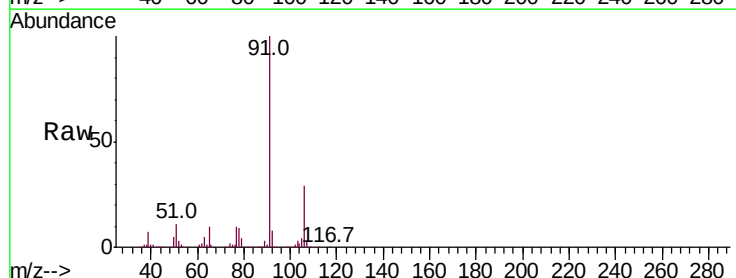
Acq: 7 May 2019 1:47

Tgt Ion: 91 Resp: 3092527

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.7	35.5

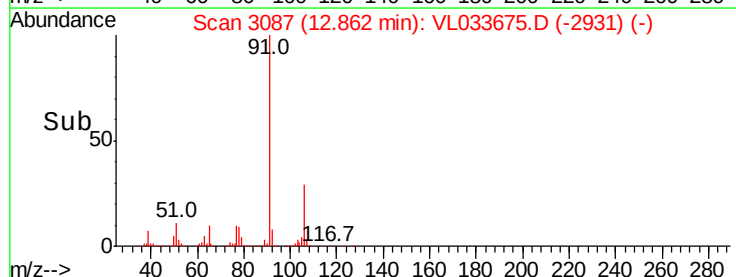
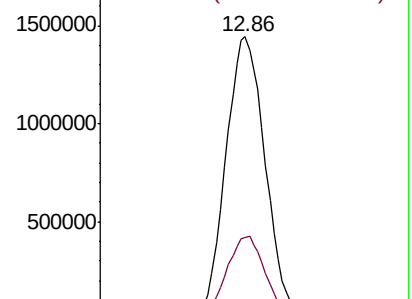
91 100

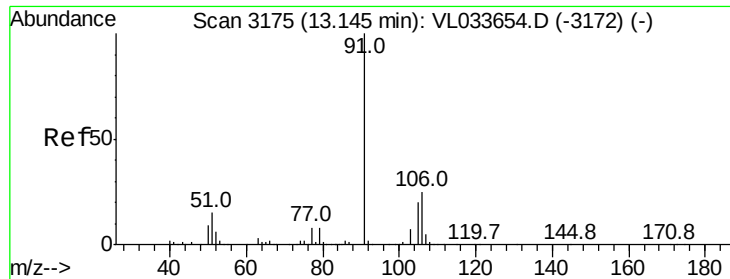
106 29.1 23.7 35.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

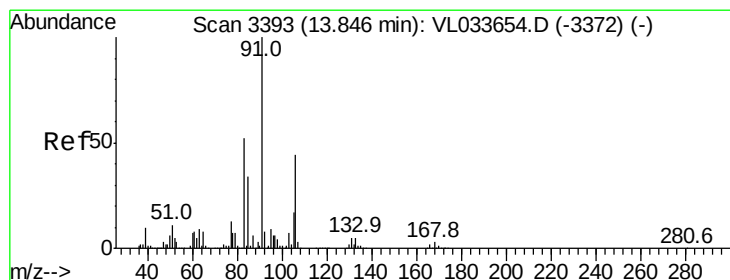
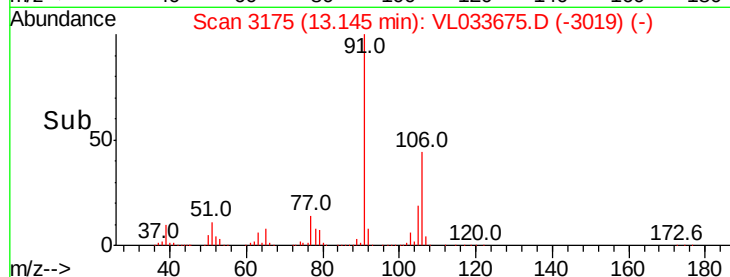
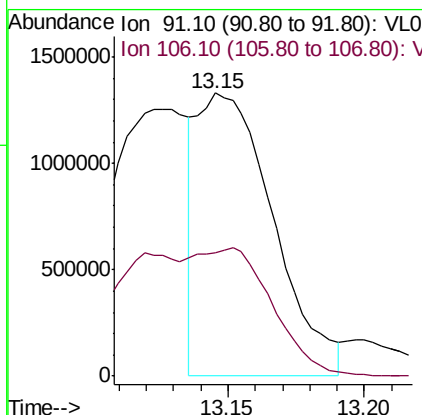
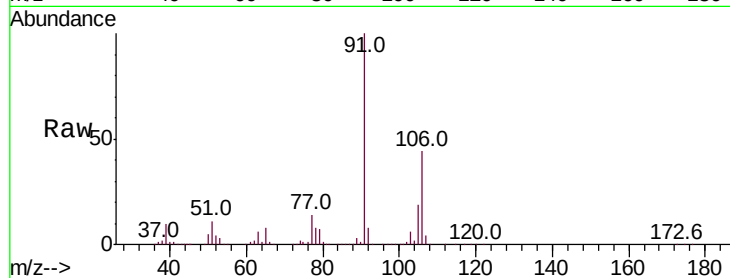




#59
m/p-Xylene
Concen: 8.164 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

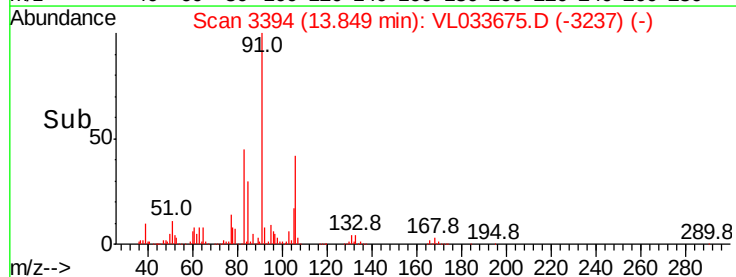
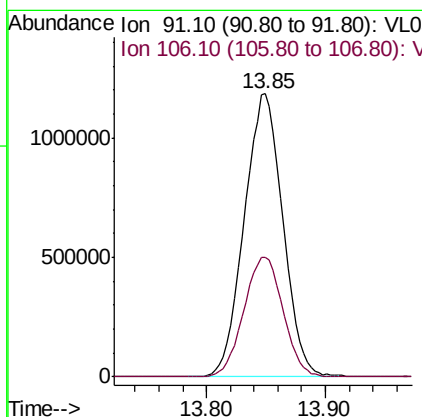
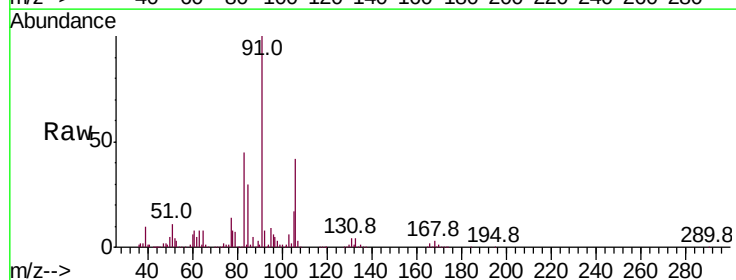
Instrument :
MSVOA_L
ClientSampleId :

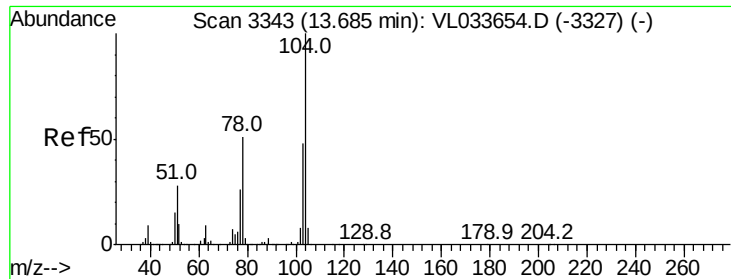
Tot Ion: 91 Resp: 2554269
Ion Ratio Lower Upper
91 100
106 90.9 36.2 54.2#



#60
o-Xylene
Concen: 8.392 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033675.D
Acq: 7 May 2019 1:47

Tgt Ion: 91 Resp: 2657107
Ion Ratio Lower Upper
91 100
106 43.3 21.7 65.1





#61

Stvrene

Concen: 9.373 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampled :

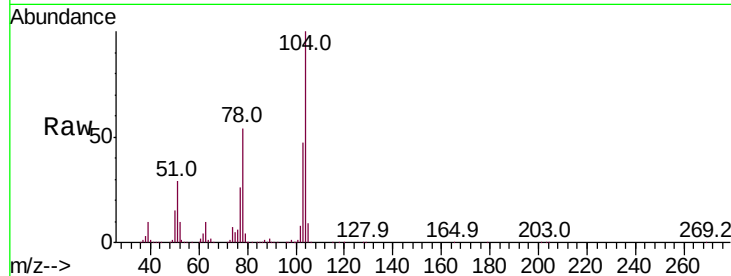
Tot Ion:104 Resp: 1976221

Ion Ratio Lower Upper

104 100

78 53.8 43.0 64.6

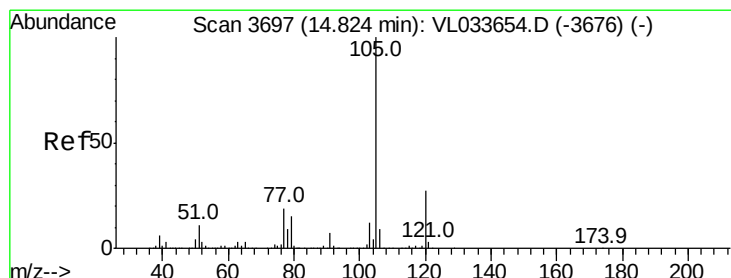
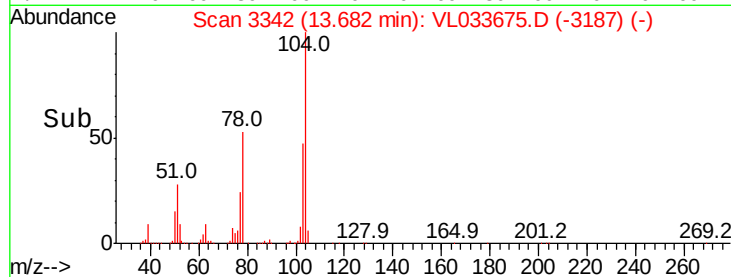
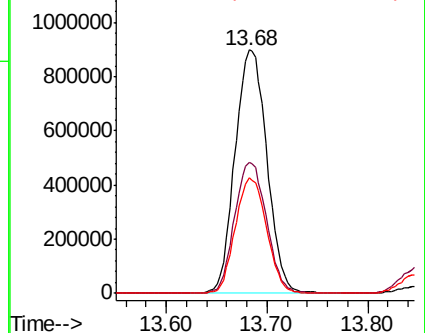
103 46.7 38.1 57.1



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: 8.240 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033675.D

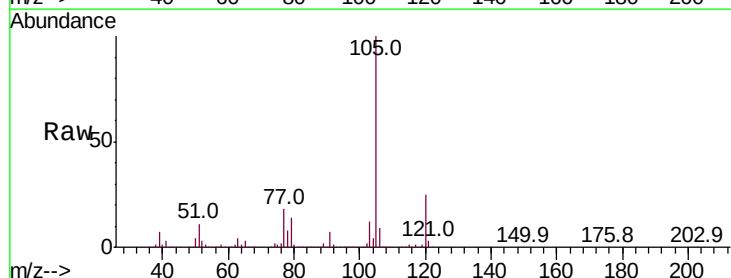
Acq: 7 May 2019 1:47

Tgt Ion:105 Resp: 3562369

Ion Ratio Lower Upper

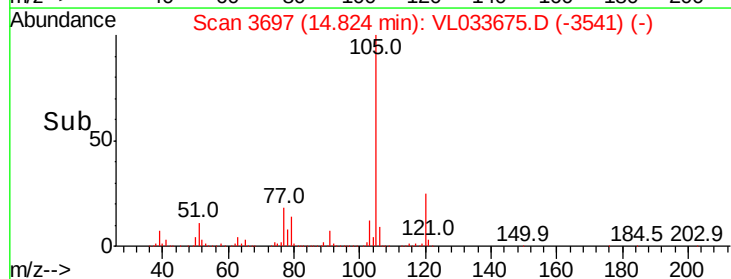
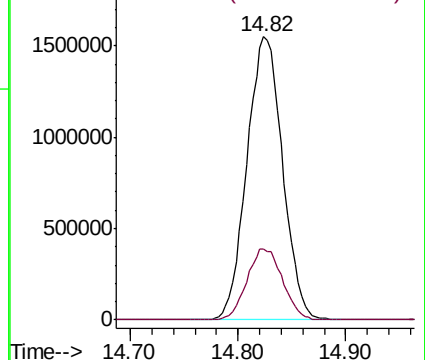
105 100

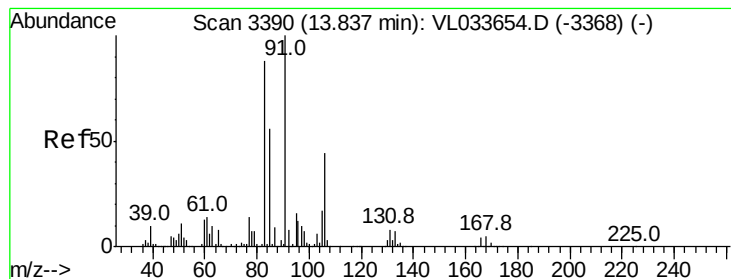
120 25.2 20.5 30.7



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: 7.861 ppbv

RT: 13.84 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

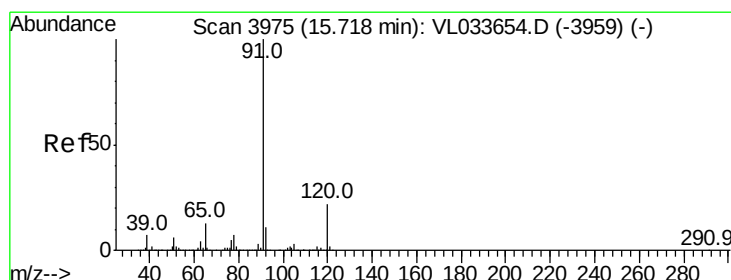
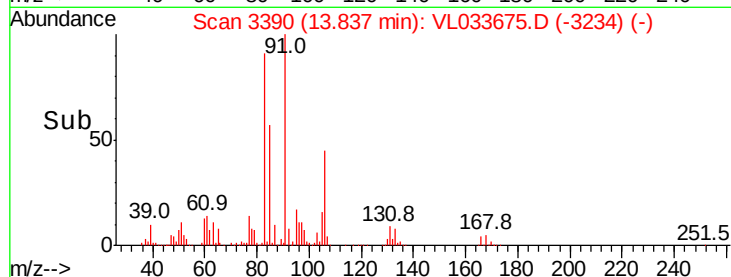
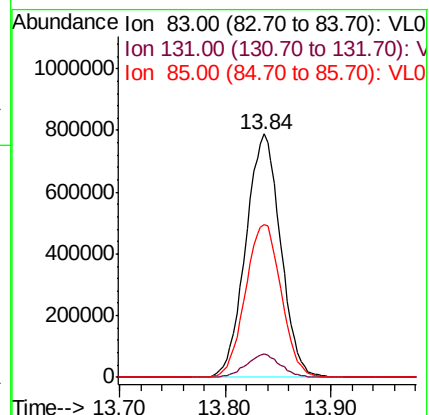
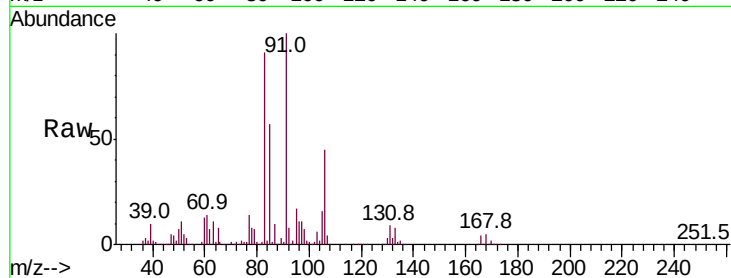
Tot Ion: 83 Resp: 1811558

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.8	32.5	97.4

83 100

131 9.5 4.8 14.3

85 64.8 32.5 97.4



#64

n-propylbenzene

Concen: 8.151 ppbv

RT: 15.72 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL033675.D

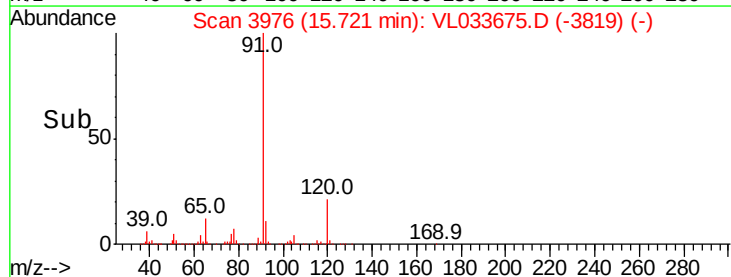
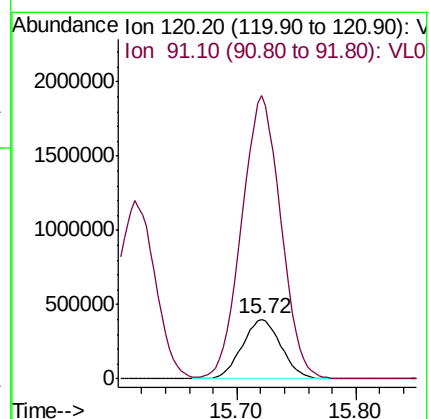
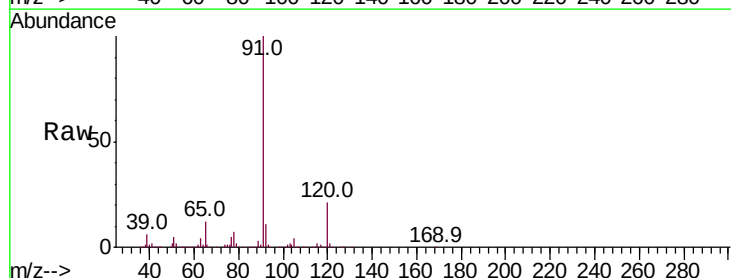
Acq: 7 May 2019 1:47

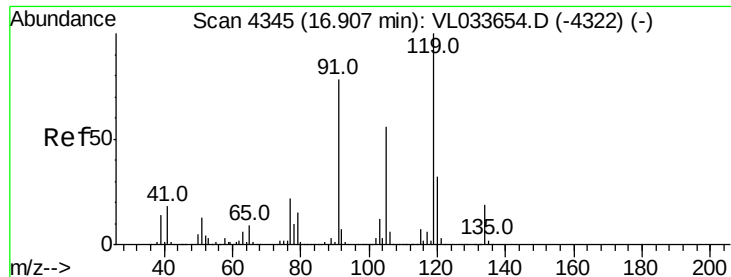
Tgt Ion: 120 Resp: 910643

Ion	Ratio	Lower	Upper
120	100		
91	478.9	379.0	568.6

120 100

91 478.9 379.0 568.6





#65

tert-Butylbenzene

Concen: 8.060 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

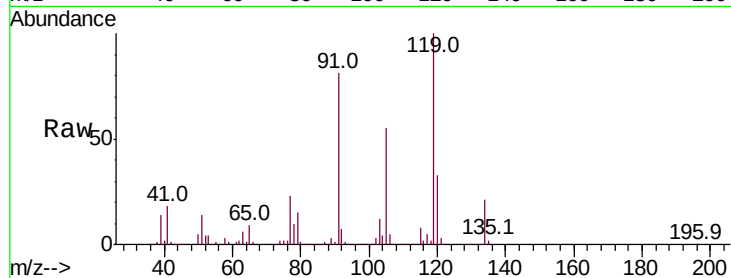
Tot Ion:119 Resp: 3196349

Ion Ratio Lower Upper

119 100

91 82.8 65.9 98.9

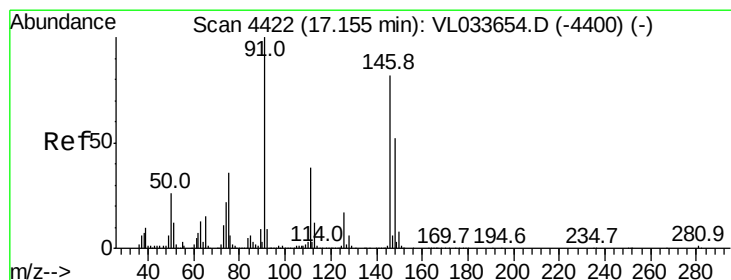
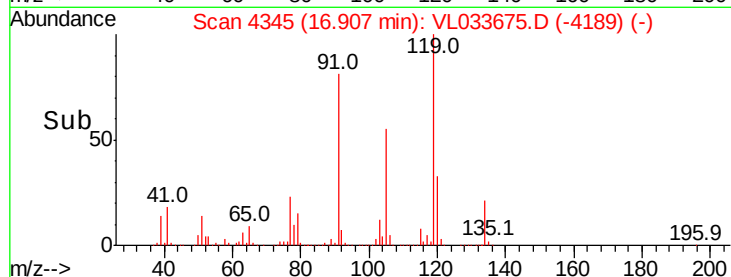
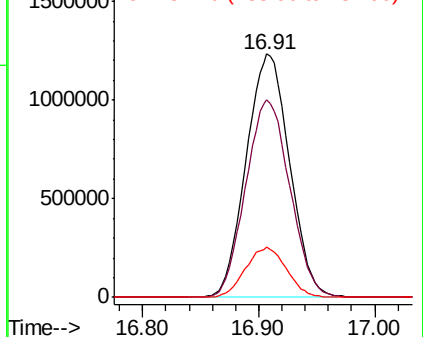
134 19.4 15.5 23.3



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: 9.484 ppbv

RT: 17.16 min Scan# 4423

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

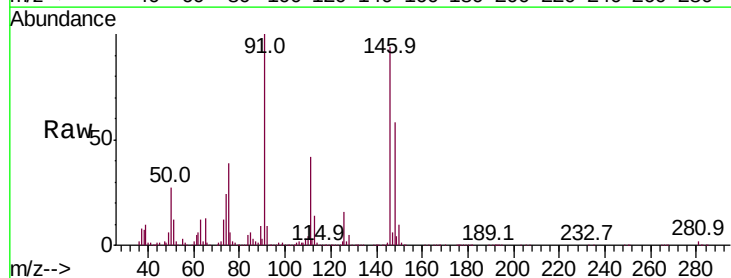
Tgt Ion: 91 Resp: 1711006

Ion Ratio Lower Upper

91 100

126 16.9 13.4 20.2

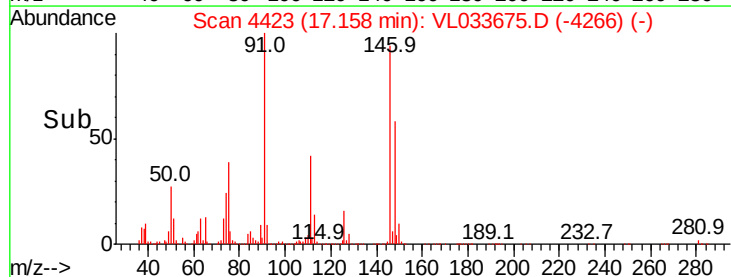
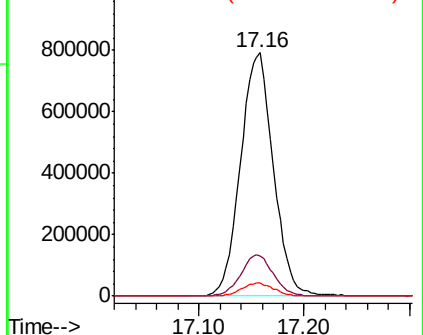
128 5.3 4.4 6.6

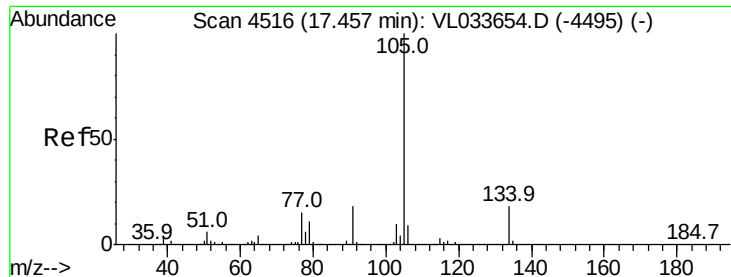


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.107 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

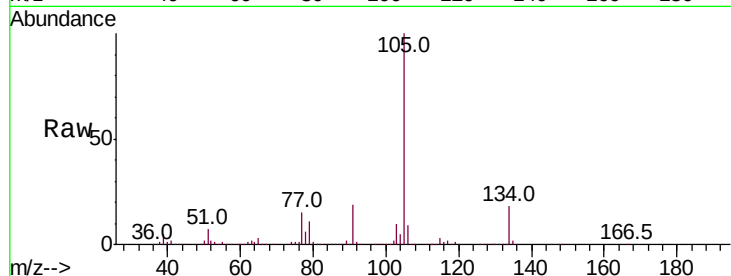
ClientSampleId :

Tot Ion:105 Resp: 4485651

Ion Ratio Lower Upper

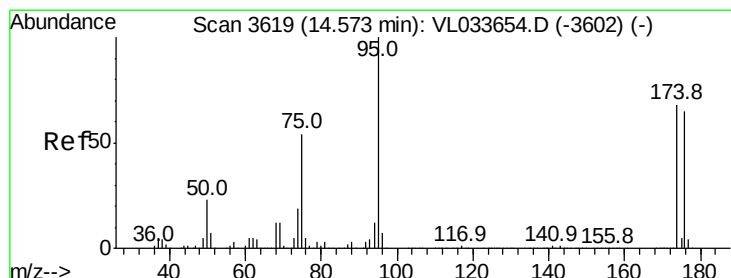
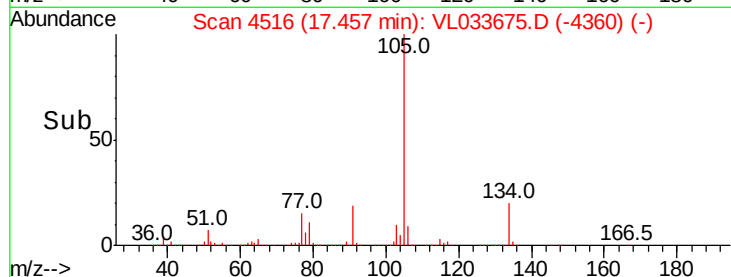
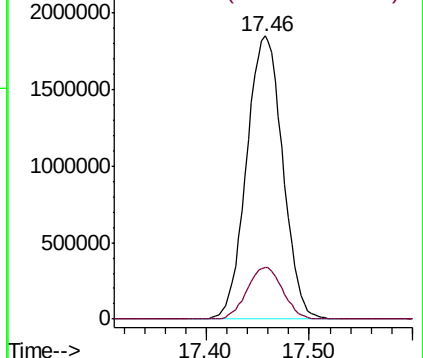
105 100

134 18.2 14.6 22.0



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: 8.151 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

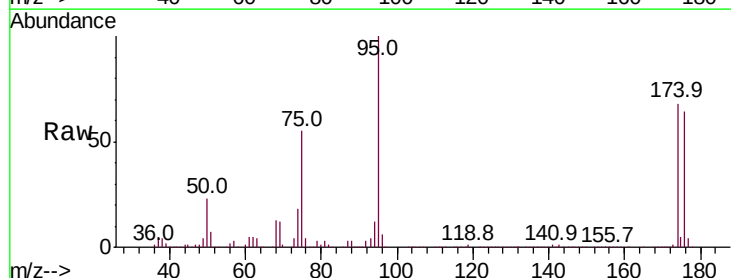
Tgt Ion: 95 Resp: 1820085

Ion Ratio Lower Upper

95 100

174 67.5 54.0 81.0

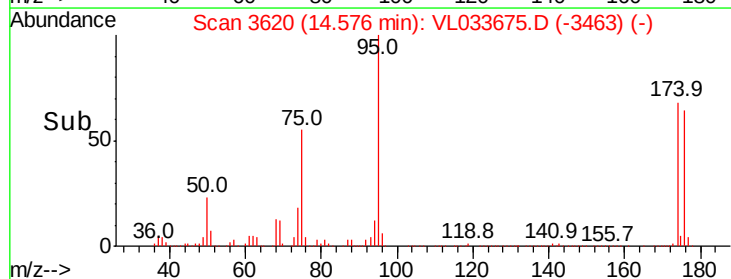
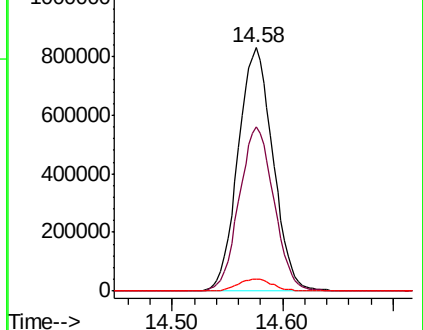
175 4.9 3.8 5.8

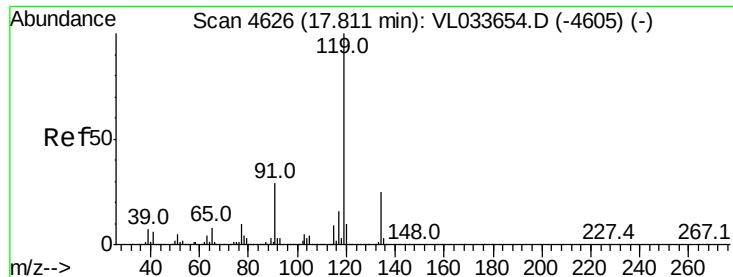


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



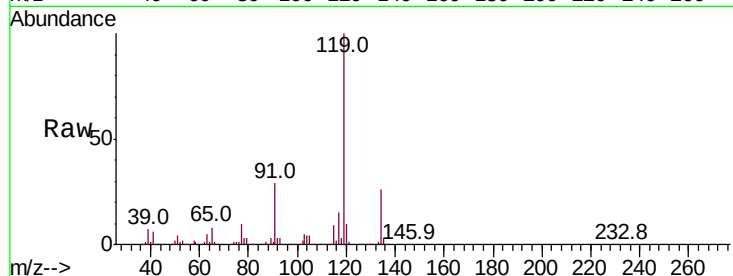


#69
 p-Isopropyltoluene
 Concen: 8.265 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

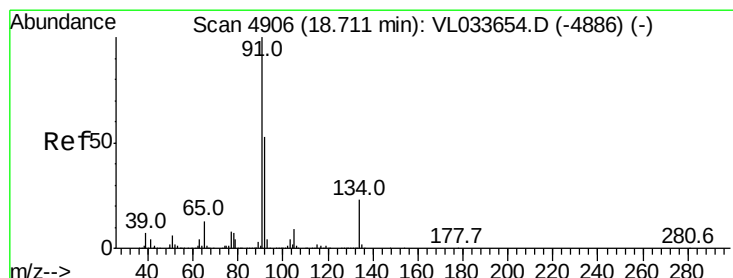
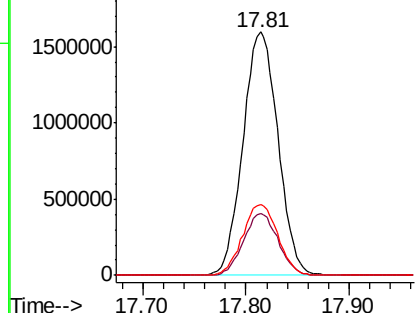
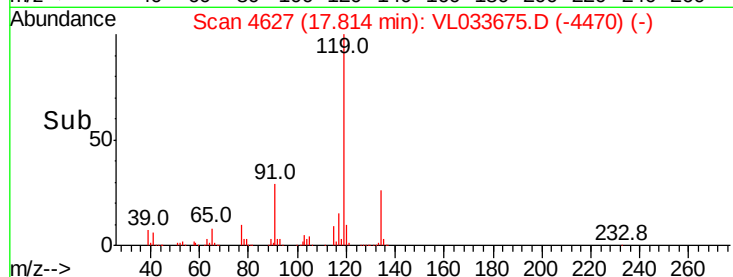
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3768119

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	29.3	23.4	35.2



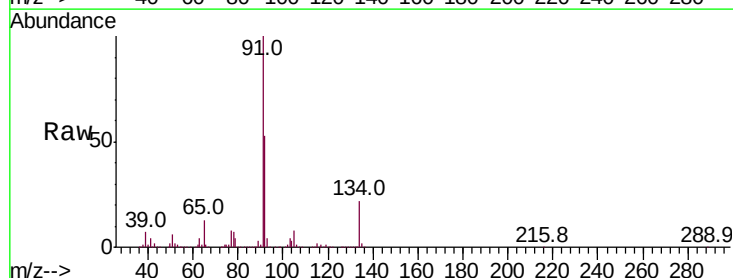
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



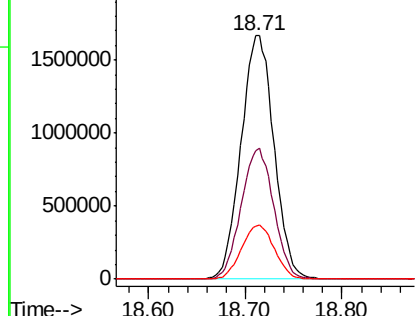
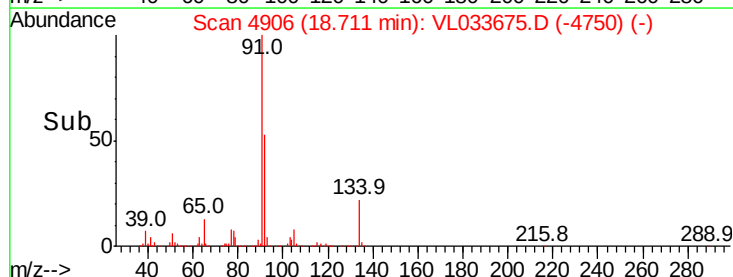
#70
 n-Butylbenzene
 Concen: 8.172 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

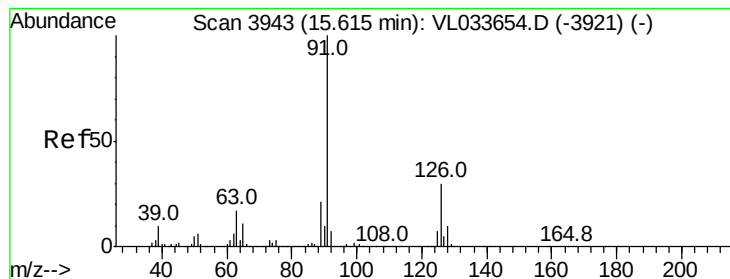
Tgt Ion: 91 Resp: 3950890

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.5	63.7
134	22.2	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.447 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

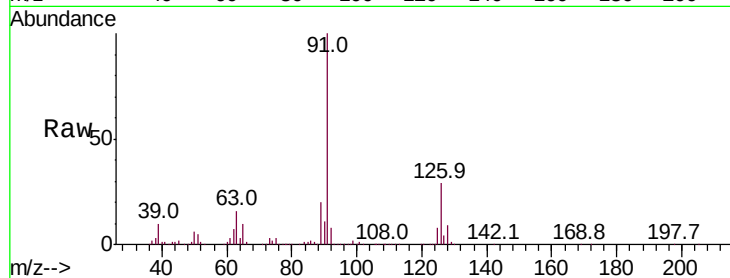
ClientSampleId :

Tot Ion: 91 Resp: 2698129

Ion Ratio Lower Upper

91 100

126 29.5 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

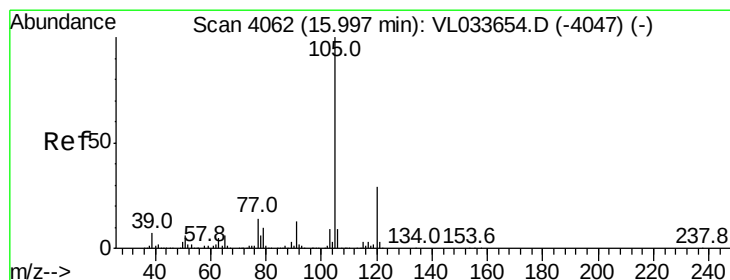
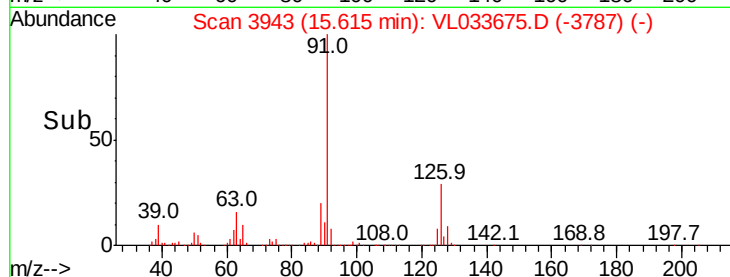
1000000

500000

0

15.55 15.60 15.65 15.70

Time-->



#72

4-Ethyltoluene

Concen: 8.395 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Tgt Ion:105 Resp: 3124351

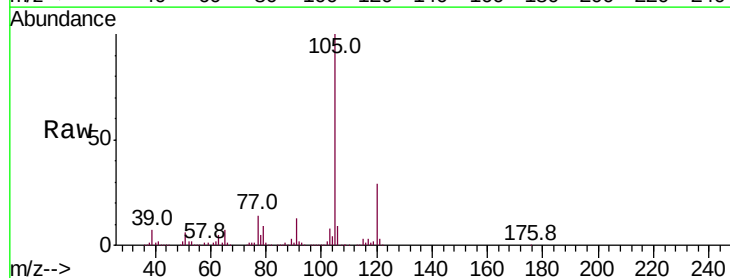
Ion Ratio Lower Upper

105 100

120 29.1 23.0 34.6

91 13.7 10.5 15.7

77 14.0 11.4 17.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

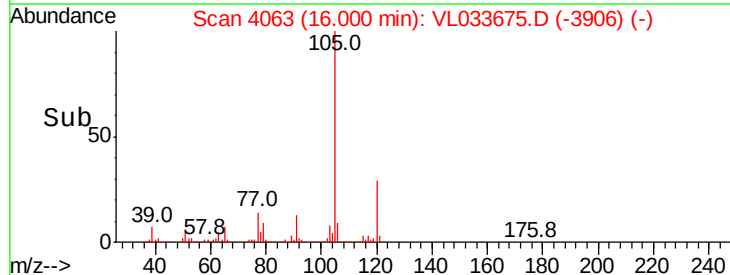
1000000

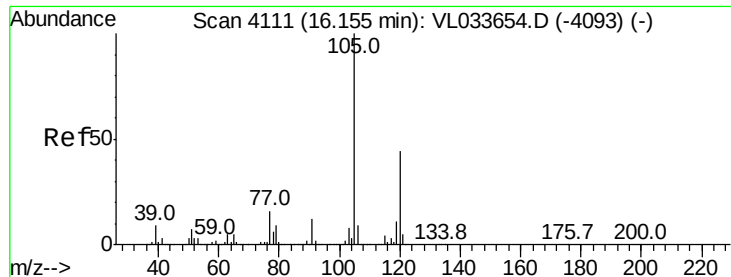
500000

0

15.90 16.00

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 8.211 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

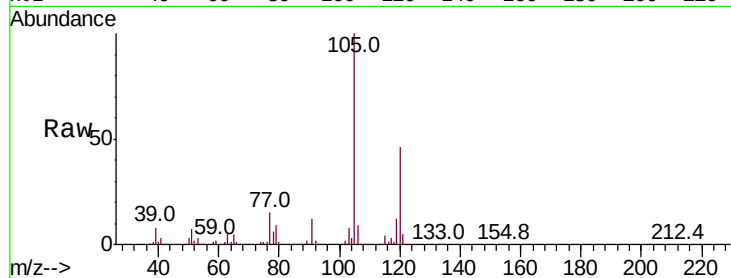
ClientSampled :

Tot Ion:105 Resp: 2954628

Ion Ratio Lower Upper

105 100

120 46.3 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.16

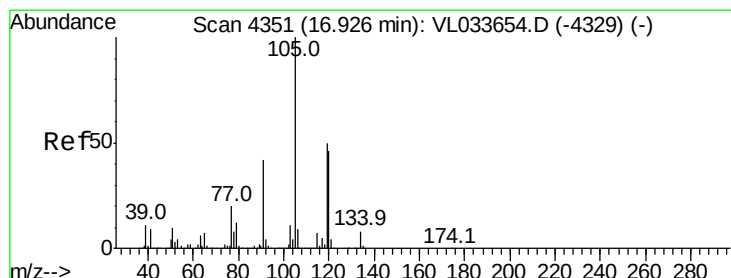
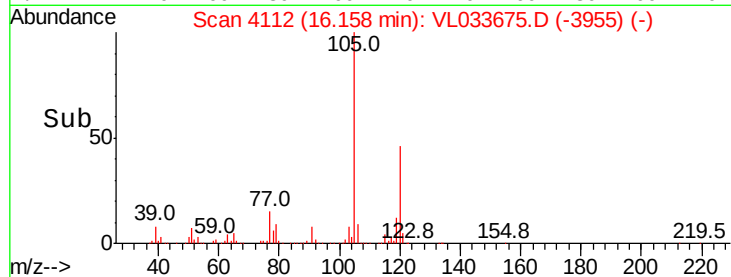
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.764 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Tgt Ion:105 Resp: 3105651

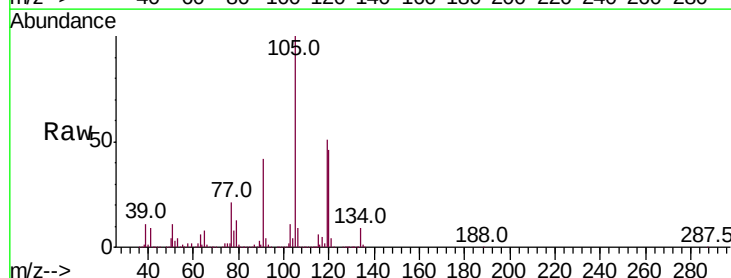
Ion Ratio Lower Upper

105 100

120 46.0 36.5 54.7

91 41.9 33.7 50.5

77 20.4 16.3 24.5



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

2000000

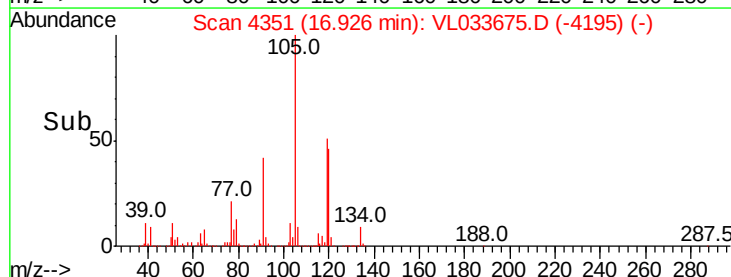
1500000

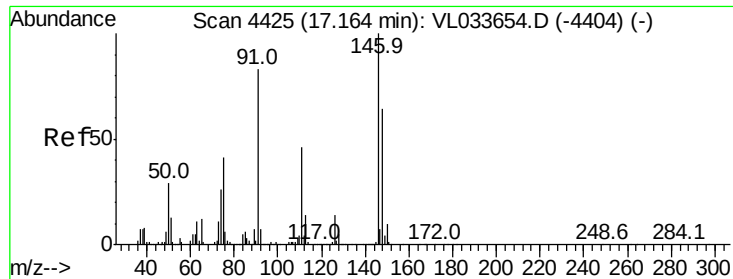
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.502 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

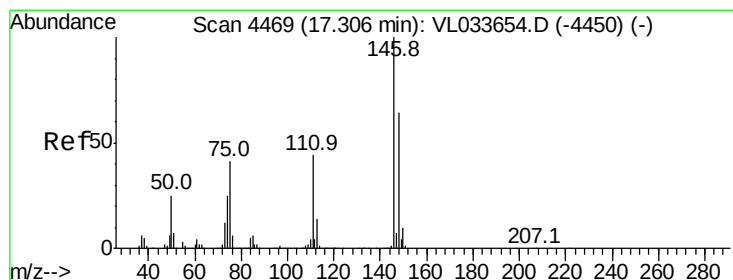
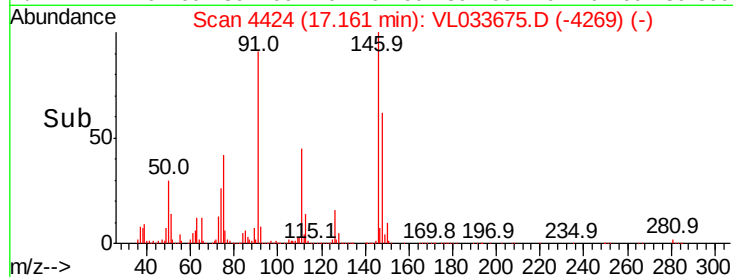
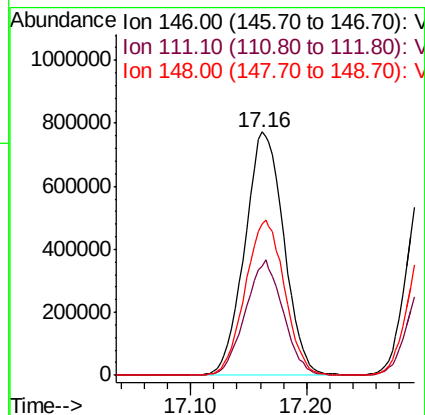
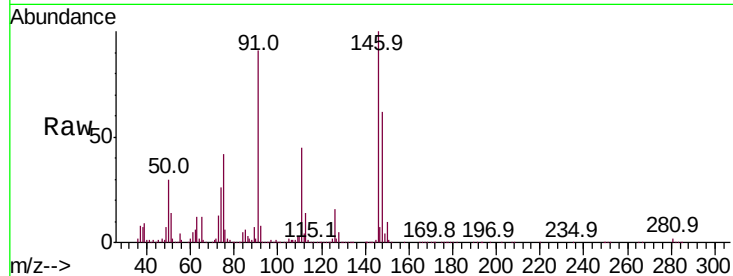
Tot Ion:146 Resp: 1812558

Ion Ratio Lower Upper

146 100

111 45.7 22.6 67.7

148 64.1 31.8 95.4



#76

1,4-Dichlorobenzene

Concen: 7.872 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

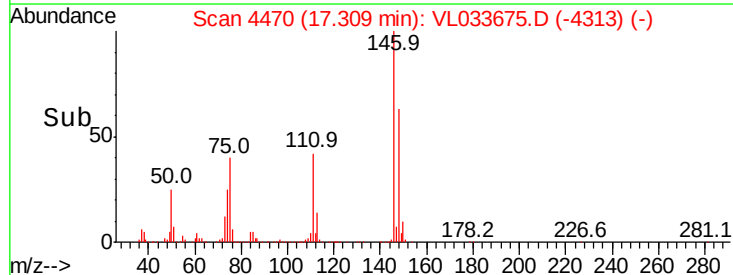
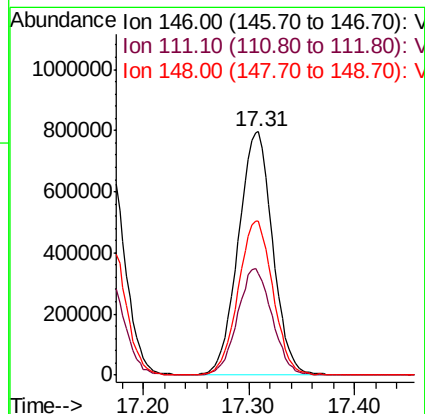
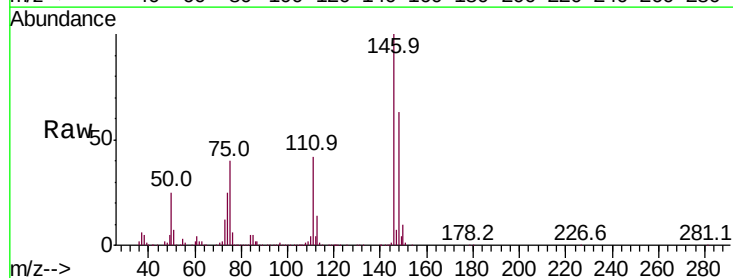
Tgt Ion:146 Resp: 1804789

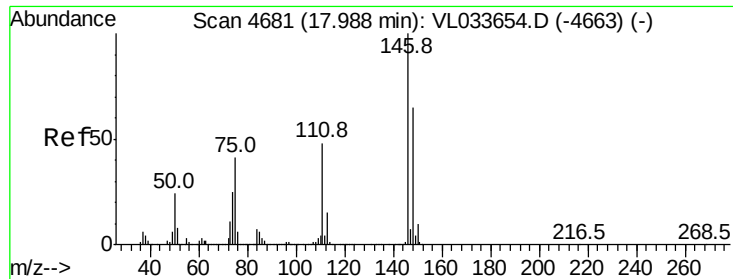
Ion Ratio Lower Upper

146 100

111 44.0 22.0 66.0

148 64.0 32.1 96.5

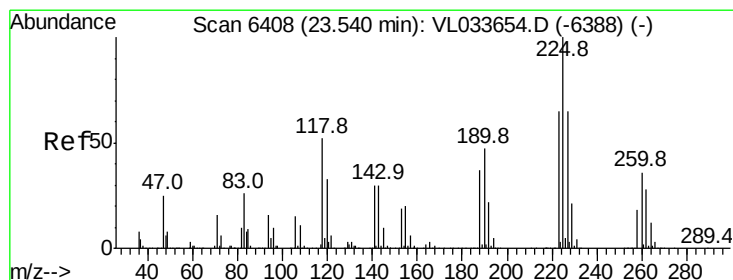
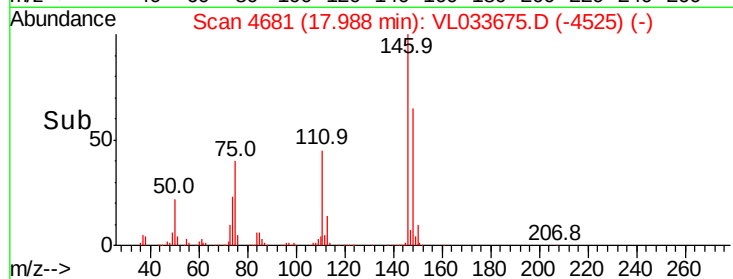
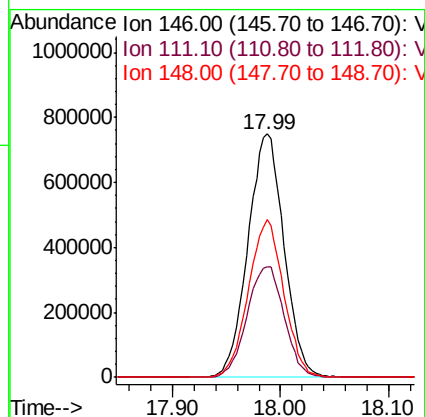
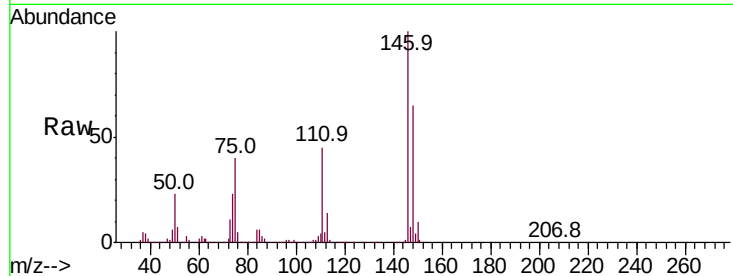




#77
 1,2-Dichlorobenzene
 Concen: 7.782 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

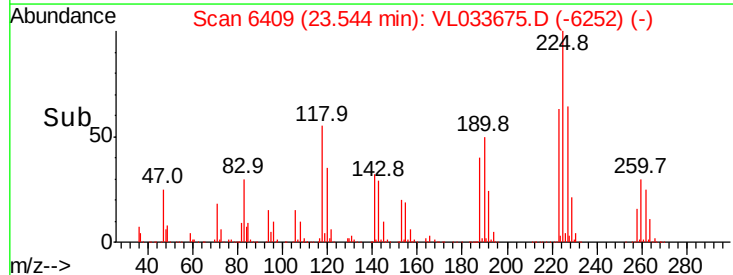
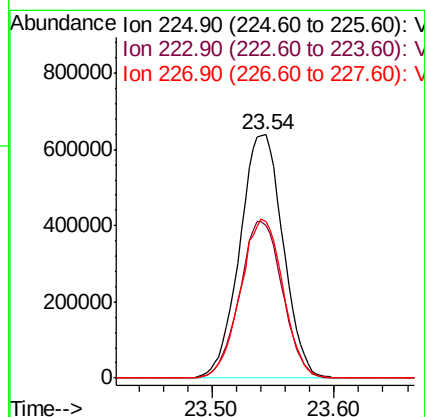
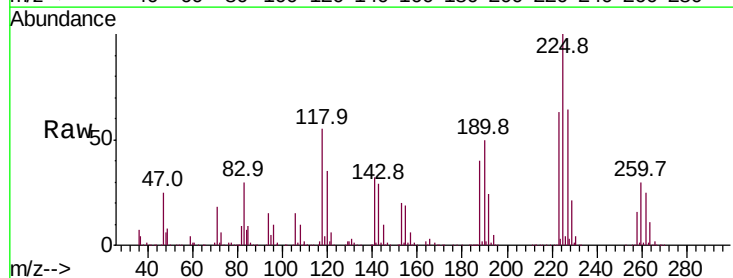
Instrument :
 MSVOA_L
 ClientSampled :

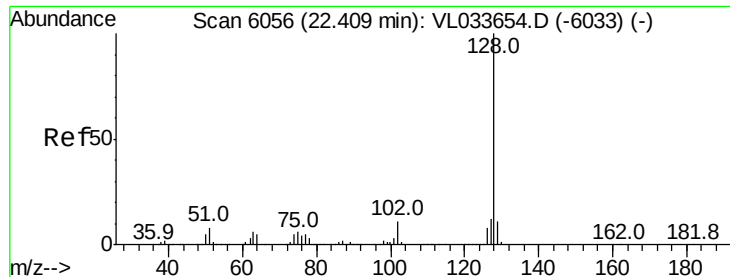
Tot Ion:146 Resp: 1741847
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.4 70.0
 148 63.5 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.848 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. 0.00 min
 Lab File: VL033675.D
 Acq: 7 May 2019 1:47

Tgt Ion:225 Resp: 1569578
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.7 76.1
 227 64.1 51.4 77.2





#79

Naphthalene

Concen: 9.603 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

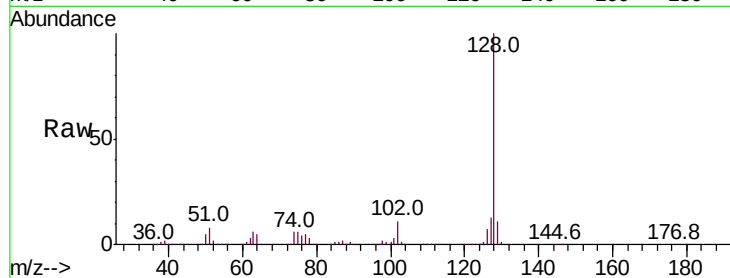
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3507242

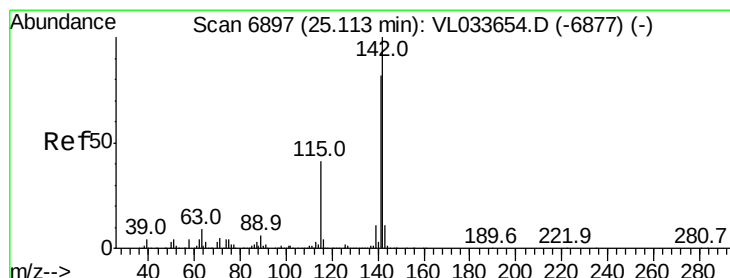
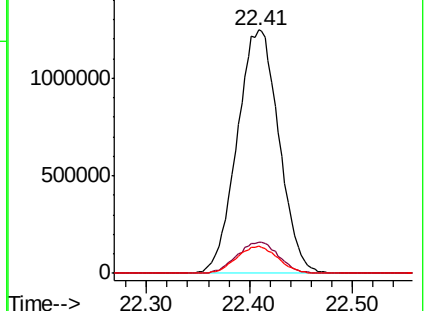
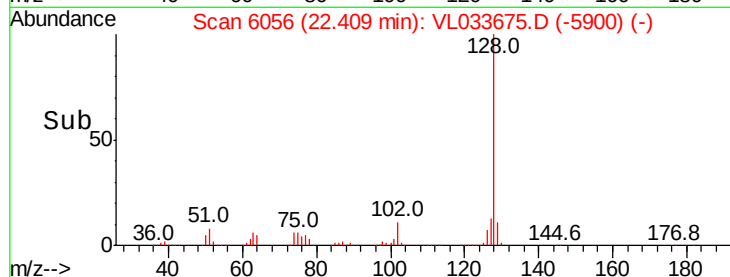
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.8
129	11.1	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.842 ppbv

RT: 25.11 min Scan# 6897

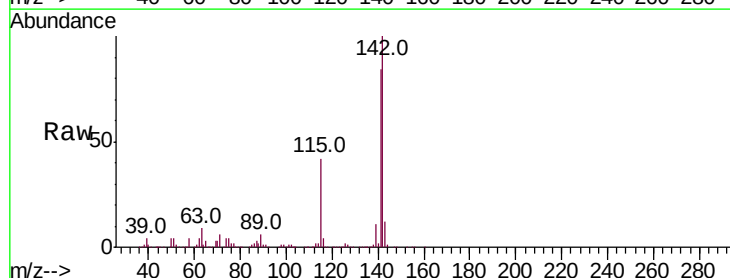
Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Tgt Ion:142 Resp: 1634949

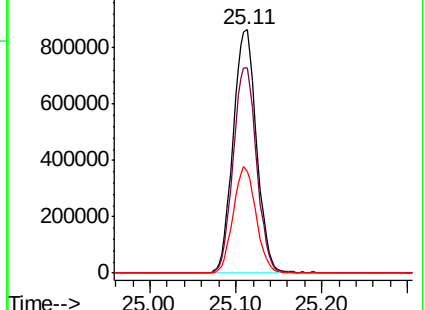
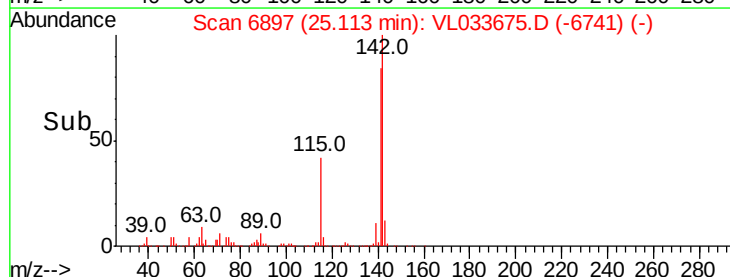
Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.9	101.9
115	43.0	34.2	51.4

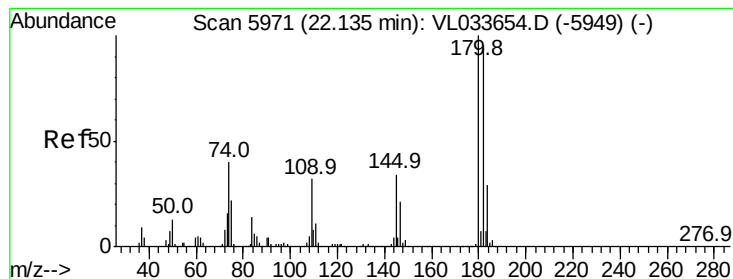


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.539 ppbv

RT: 22.14 min Scan# 5971

Delta R.T. 0.00 min

Lab File: VL033675.D

Acq: 7 May 2019 1:47

Instrument :

MSVOA_L

ClientSampleId :

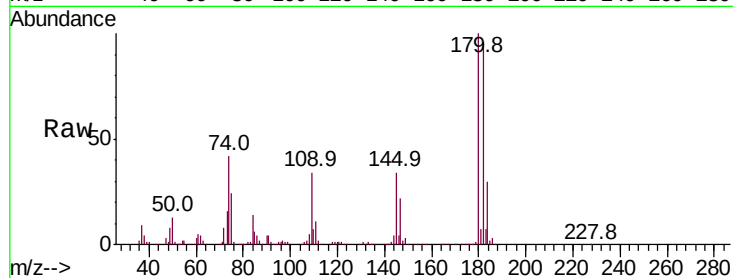
Tot Ion:180 Resp: 1811749

Ion Ratio Lower Upper

180 100

182 95.7 77.4 116.0

184 30.0 24.6 36.8



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

