

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033877.D
 Acq On : 7 Jun 2019 3:59
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 07 06:09:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 05:42:58 2019
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	991353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2289227	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2193346	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1882418	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	101954	0.509 ppbv	98
3) Chlorodifluoromethane	3.01	51	63389	0.555 ppbv	100
4) Chloromethane	3.16	50	34898	0.535 ppbv	90
5) Vinyl Chloride	3.29	62	32328	0.486 ppbv	94
6) Bromomethane	3.51	94	21244	0.523 ppbv	90
7) Chloroethane	3.60	64	12743	0.537 ppbv	95
8) Dichlorotetrafluoroethane	3.21	85	90404	0.529 ppbv	98
9) Propene	3.03	41	21453	0.451 ppbv	98
10) Heptane	8.23	43	43266	0.321 ppbv	96
11) Trichlorofluoromethane	3.99	101	108157	0.539 ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.54	101	75421	0.540 ppbv	96
13) Ethanol	3.64	45	6150	0.401 ppbv #	59
14) Bromoethene	3.78	108	25125	0.481 ppbv	95
15) Acetone	3.90	43	83105	0.605 ppbv	100
16) 1,3-Butadiene	3.36	39	27256	0.492 ppbv	96
17) tert-Butyl alcohol	4.36	59	62695	0.549 ppbv	99
18) 1,1-Dichloroethene	4.34	96	30469	0.516 ppbv #	92
19) Isopropyl Alcohol	4.02	45	46801	0.524 ppbv #	93
20) Methylene Chloride	4.40	84	33644	0.631 ppbv	98
21) Allyl Chloride	4.47	41	39107	0.458 ppbv	94
22) trans-1,2-Dichloroethene	4.95	96	32108	0.522 ppbv	92
23) Vinyl Acetate	5.14	43	77088	0.427 ppbv #	92
24) 1,1-Dichloroethane	5.08	63	65339	0.472 ppbv	99
25) Ethyl Acetate	5.76	43	106050	0.442 ppbv	99
26) Hexane	5.77	57	48313	0.470 ppbv	93
27) Carbon Disulfide	4.61	76	64196	0.450 ppbv #	81
28) Methyl tert-Butyl Ether	5.11	73	60601	0.356 ppbv	95
29) Chloroform	5.83	83	87491	0.459 ppbv	98
30) Cyclohexane	7.23	84	18880	0.220 ppbv #	11
31) cis-1,2-Dichloroethene	5.62	61	36354	0.353 ppbv #	90
32) 1,1,1-Trichloroethane	6.60	97	49196	0.258 ppbv #	30
34) 2-Butanone	5.33	43	55624	0.393 ppbv	99
35) Carbon Tetrachloride	7.12	117	86176	0.469 ppbv	98
36) Benzene	6.99	78	72155	0.353 ppbv	96
37) 1,2-Dichloroethane	6.40	62	62326	0.462 ppbv	100
38) Trichloroethene	7.95	130	31042	0.400 ppbv	91
39) 1,2-Dichloropropane	7.72	63	19049	0.248 ppbv	93
40) 1,4-Dioxane	7.97	88	6050	0.187 ppbv #	1
41) Tetrahydrofuran	6.15	42	6611	0.085 ppbv #	35
42) Bromodichloromethane	7.90	83	77770	0.423 ppbv	92
43) Methyl Methacrylate	8.13	69	22848	0.301 ppbv	88

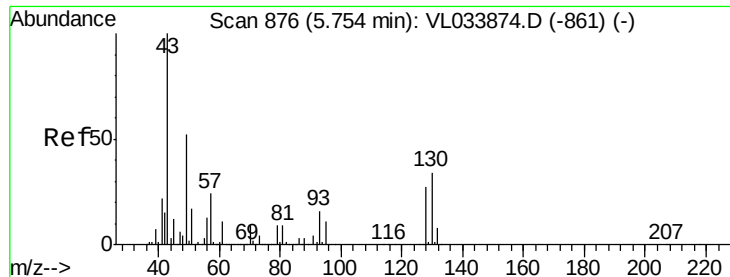
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
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Instrument :
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Quant Time: Jun 07 06:09:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 05:42:58 2019
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	129650	0.372	ppbv	92
45) t-1,3-Dichloropropene	9.40	75	14363	0.149	ppbv	90
46) cis-1,3-Dichloropropene	8.82	75	19098	0.170	ppbv	96
47) 1,1,2-Trichloroethane	9.60	97	22462	0.256	ppbv	91
48) Dibromochloromethane	10.43	129	58653	0.384	ppbv	99
49) Bromoform	13.19	173	48417	0.369	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	73541	0.341	ppbv	91
52) Tetrachloroethene	11.36	164	28171	0.387	ppbv #	80
53) Toluene	9.93	91	64446	0.290	ppbv	99
54) 1,2-Dibromoethane	10.74	107	50854	0.380	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.26	131	48737	0.484	ppbv #	1
57) Chlorobenzene	12.28	112	83535	0.468	ppbv	90
58) Ethyl Benzene	12.85	91	85865	0.301	ppbv #	85
59) m/p-Xylene	13.14	91	59466	0.237	ppbv #	1
60) o-Xylene	13.83	91	93682	0.367	ppbv	99
61) Styrene	13.67	104	46408	0.273	ppbv	98
62) Isopropylbenzene	14.81	105	131405	0.383	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.81	83	92027	0.493	ppbv	99
64) n-propylbenzene	15.71	120	30503	0.344	ppbv	80
65) tert-Butylbenzene	16.90	119	111882	0.357	ppbv	90
66) Benzyl Chloride	17.14	91	35487	0.237	ppbv #	85
67) sec-Butylbenzene	17.44	105	158012	0.360	ppbv	99
69) p-Isopropyltoluene	17.80	119	126335	0.348	ppbv	96
70) n-Butylbenzene	18.70	91	141461	0.362	ppbv	97
71) 2-Chlorotoluene	15.60	91	84365	0.332	ppbv	97
72) 4-Ethyltoluene	15.99	105	94279	0.324	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.14	105	100877	0.354	ppbv	94
74) 1,2,4-Trimethylbenzene	16.90	105	132006	0.425	ppbv #	89
75) 1,3-Dichlorobenzene	17.15	146	95599	0.501	ppbv	98
76) 1,4-Dichlorobenzene	17.29	146	74883	0.414	ppbv	94
77) 1,2-Dichlorobenzene	17.97	146	43159	0.240	ppbv #	29
78) Hexachloro-1,3-Butadiene	23.53	225	75276	0.560	ppbv	99
79) Naphthalene	22.39	128	80821	0.290	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	41745	0.416	ppbv	97
81) 1,2,4-Trichlorobenzene	22.12	180	34420	0.207	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

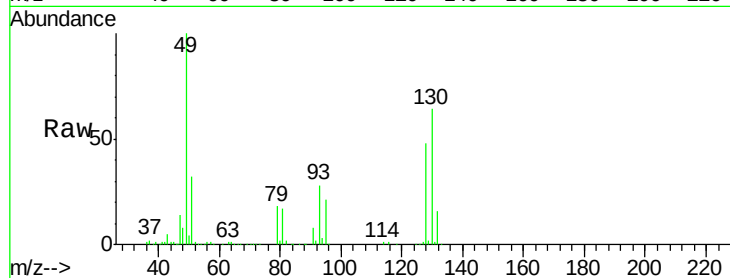
Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 991353

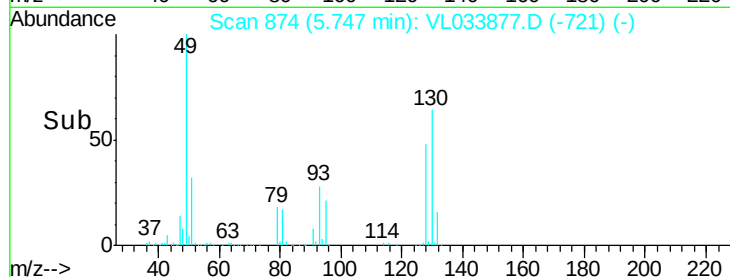
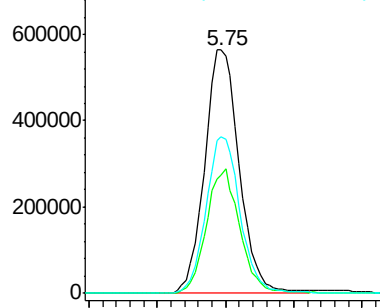
Ion	Ratio	Lower	Upper
49	100		
128	49.5	25.5	76.5
130	64.1	32.5	97.4



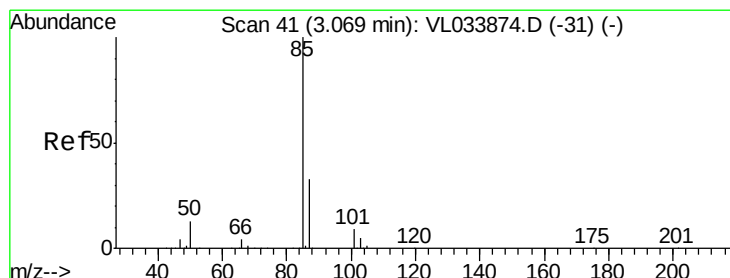
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#2

Dichlorodifluoromethane

Concen: 0.509 ppbv

RT: 3.07 min Scan# 42

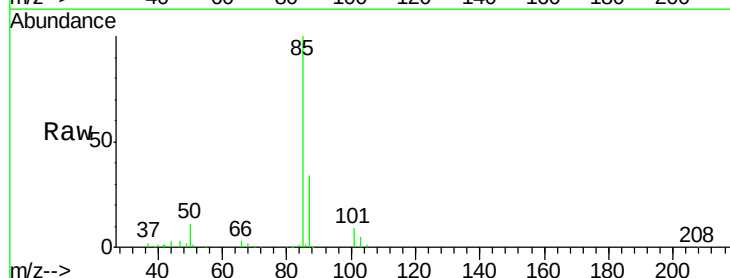
Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

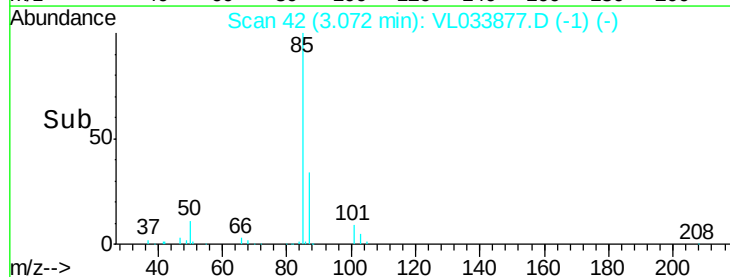
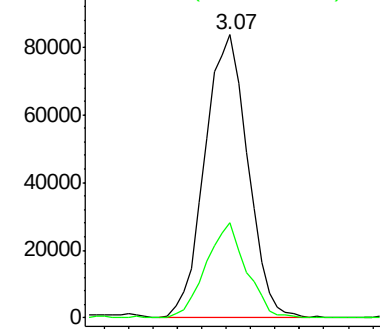
Tgt Ion: 85 Resp: 101954

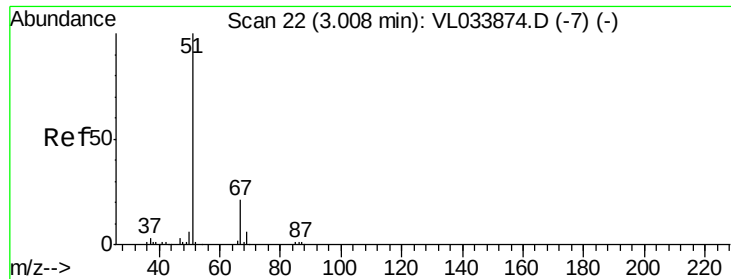
Ion	Ratio	Lower	Upper
85	100		
87	34.3	26.6	40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

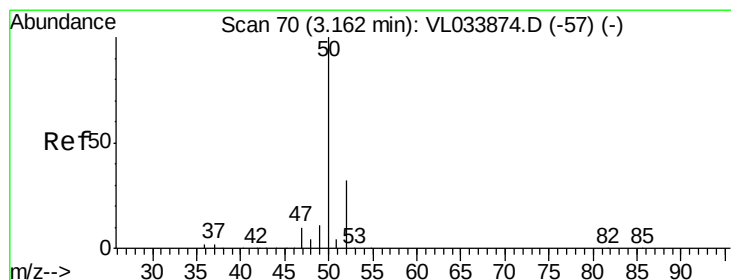
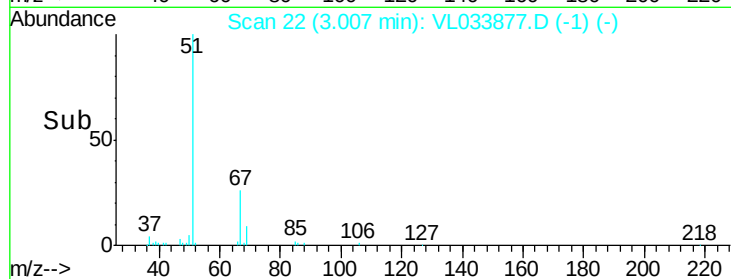
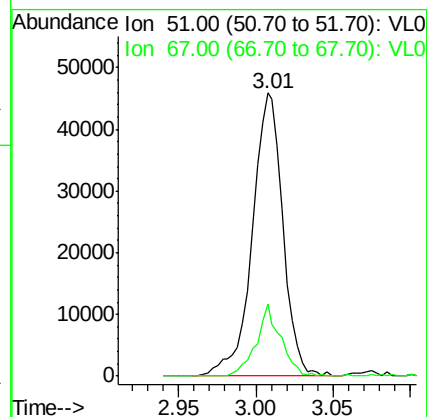
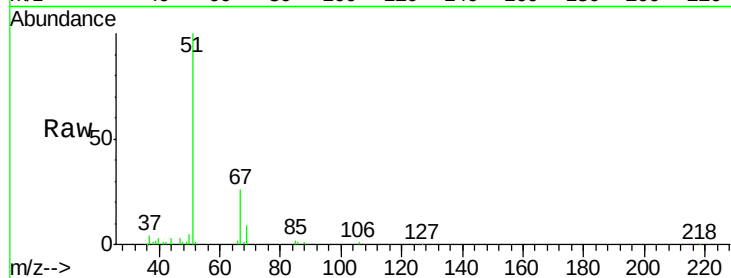




#3
Chlorodifluoromethane
Concen: 0.555 ppbv
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

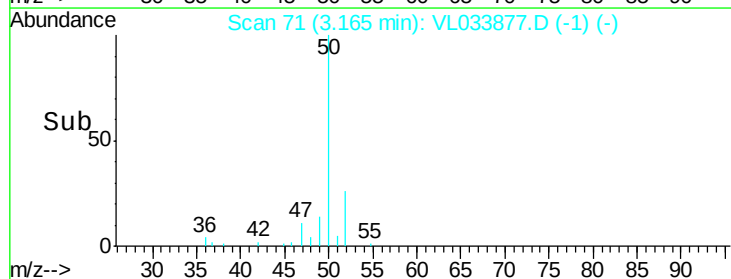
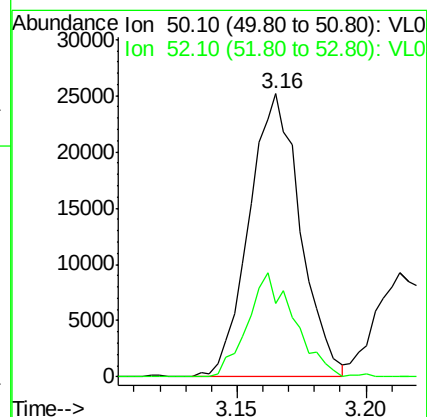
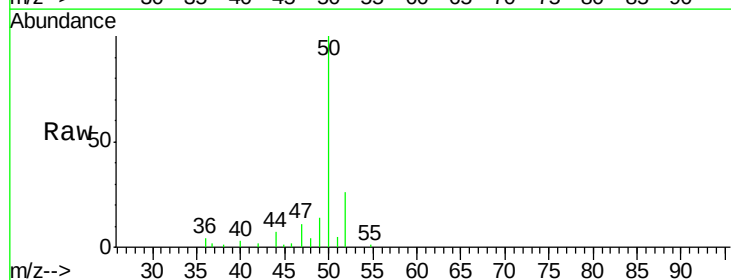
Instrument :
MSVOA_L
ClientSampled :

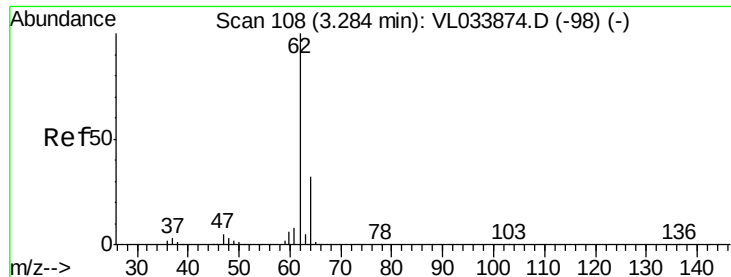
Tot Ion: 51 Resp: 63389
Ion Ratio Lower Upper
51 100
67 20.4 16.4 24.6



#4
Chloromethane
Concen: 0.535 ppbv
RT: 3.16 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 50 Resp: 34898
Ion Ratio Lower Upper
50 100
52 26.0 25.4 38.0





#5

Vinyl Chloride

Concen: 0.486 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

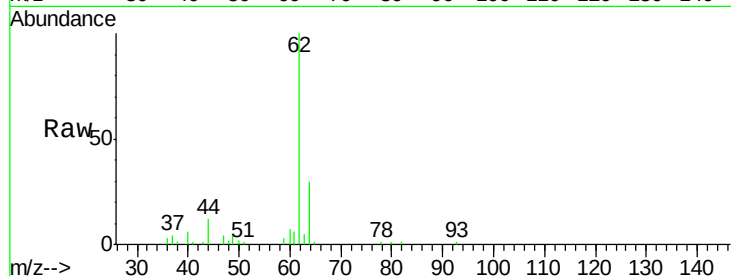
ClientSampleId :

Tot Ion: 62 Resp: 32328

Ion Ratio Lower Upper

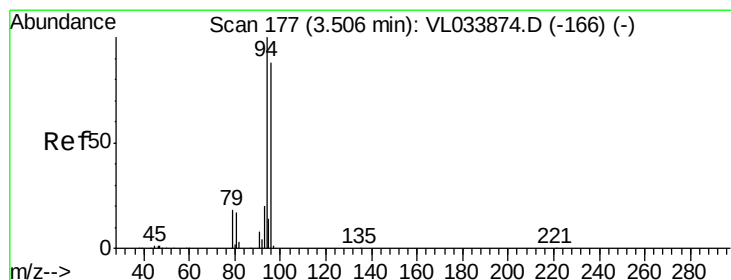
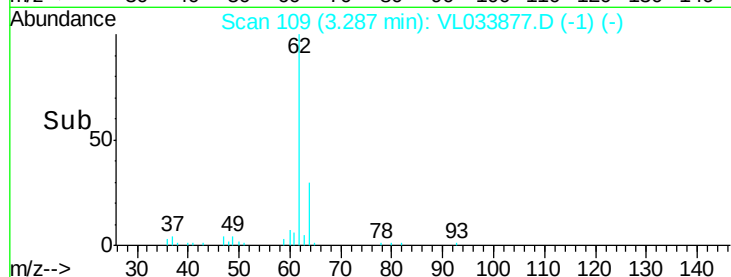
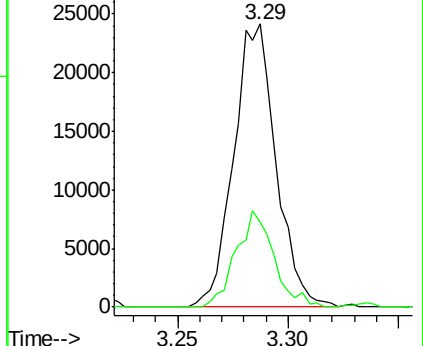
62 100

64 28.4 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.523 ppbv

RT: 3.51 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL033877.D

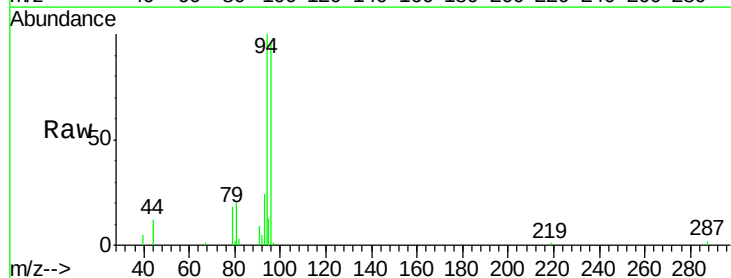
Acq: 7 Jun 2019 3:59

Tgt Ion: 94 Resp: 21244

Ion Ratio Lower Upper

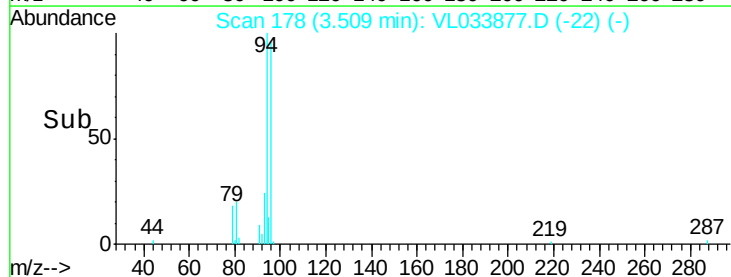
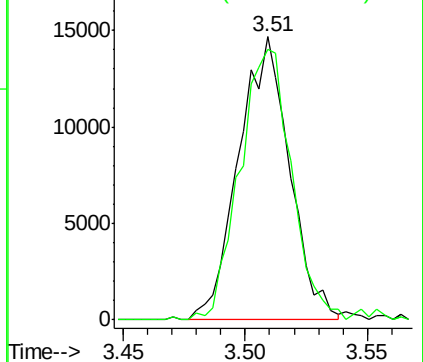
94 100

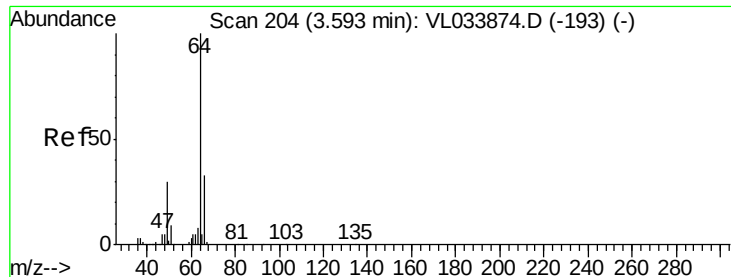
96 97.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.537 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

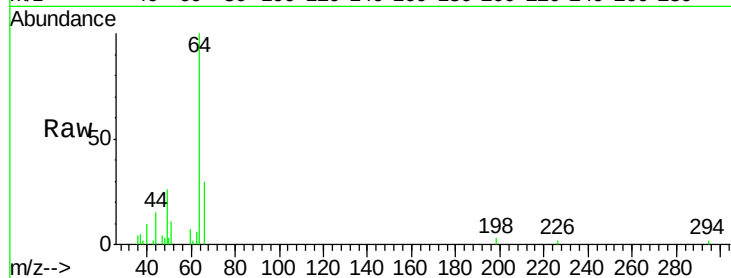
ClientSampleId :

Tot Ion: 64 Resp: 12743

Ion Ratio Lower Upper

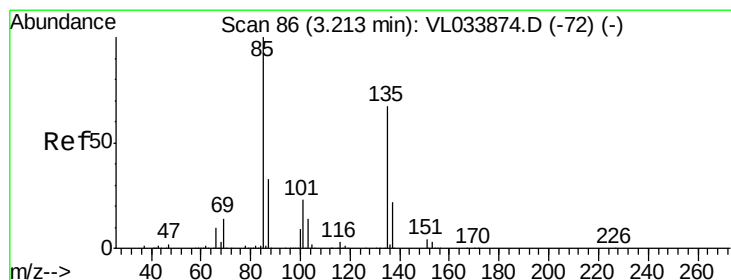
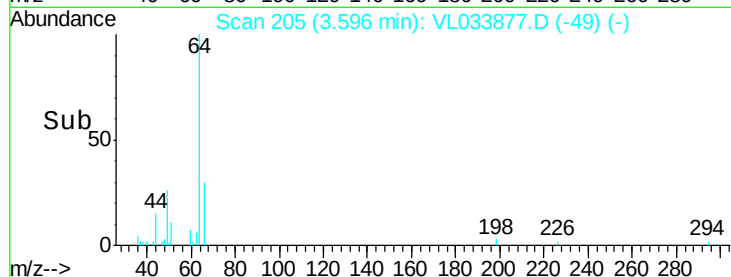
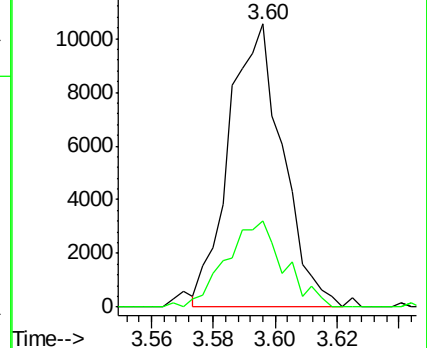
64 100

66 30.3 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.529 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033877.D

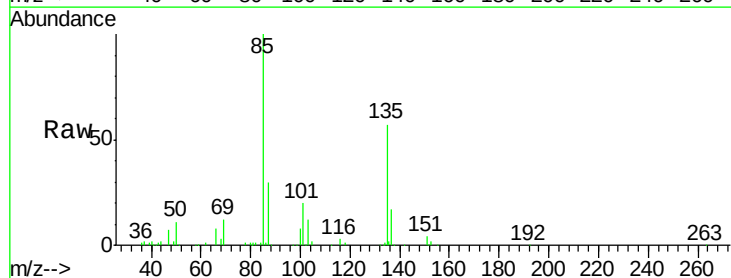
Acq: 7 Jun 2019 3:59

Tgt Ion: 85 Resp: 90404

Ion Ratio Lower Upper

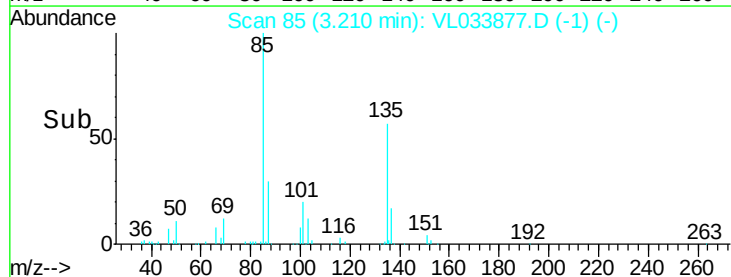
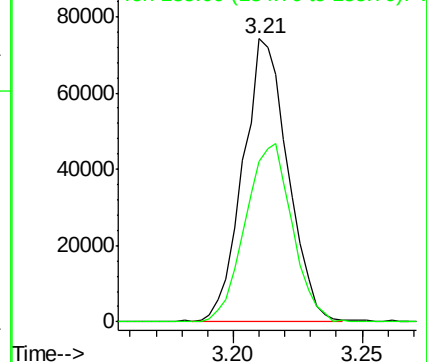
85 100

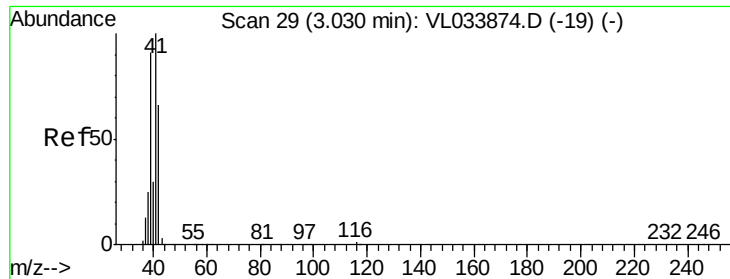
135 65.7 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.451 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

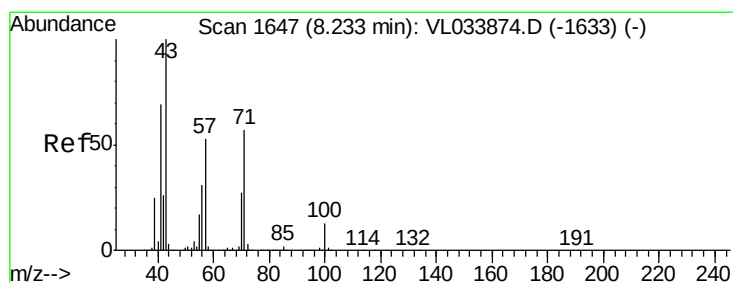
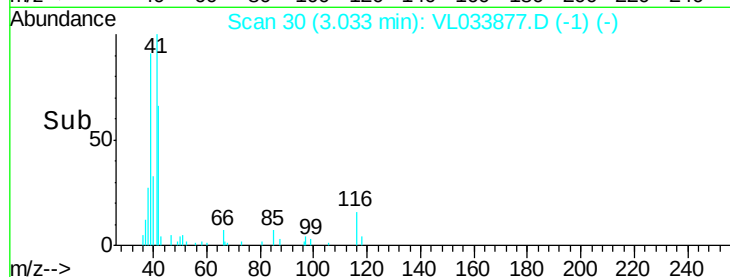
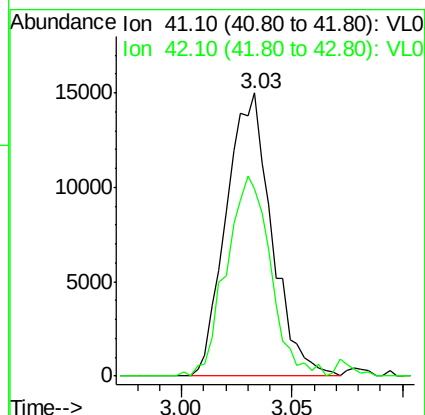
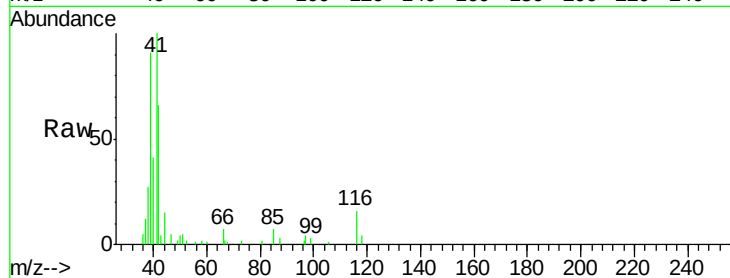
ClientSampleId :

Tot Ion: 41 Resp: 21453

Ion Ratio Lower Upper

41 100

42 68.7 56.3 84.5



#10

Heptane

Concen: 0.321 ppbv

RT: 8.23 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VL033877.D

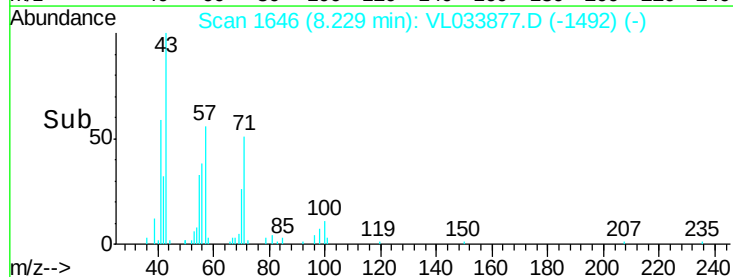
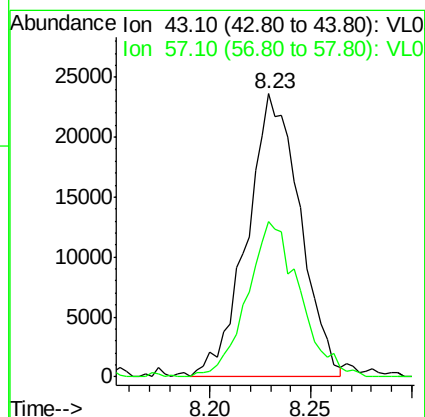
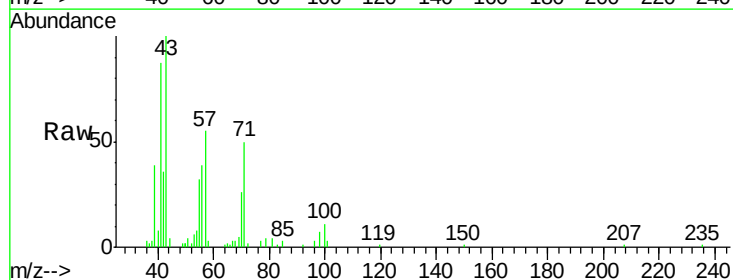
Acq: 7 Jun 2019 3:59

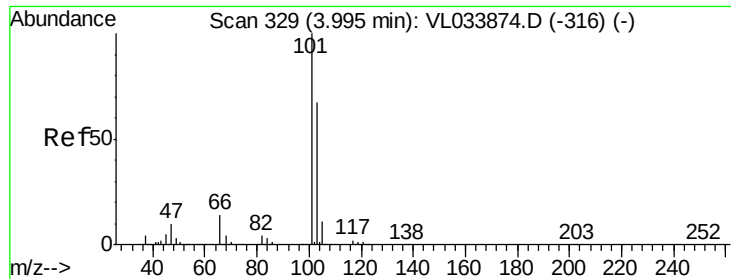
Tgt Ion: 43 Resp: 43266

Ion Ratio Lower Upper

43 100

57 54.6 41.7 62.5





#11

Trichlorofluoromethane

Concen: 0.539 ppbv

RT: 3.99 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

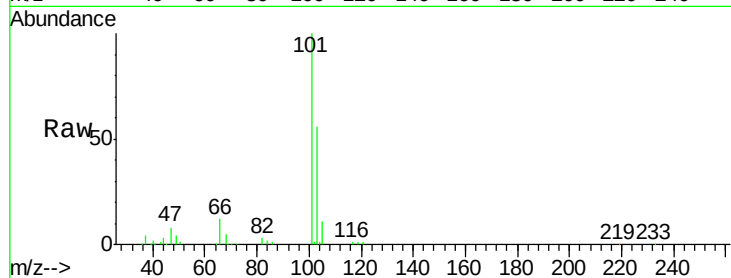
ClientSampleId :

Tot Ion:101 Resp: 108157

Ion Ratio Lower Upper

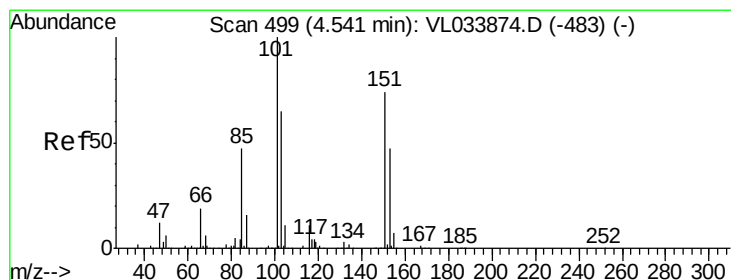
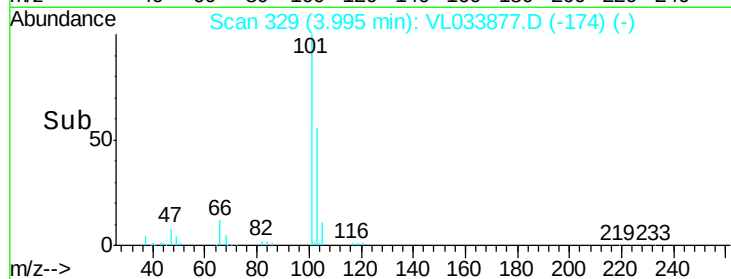
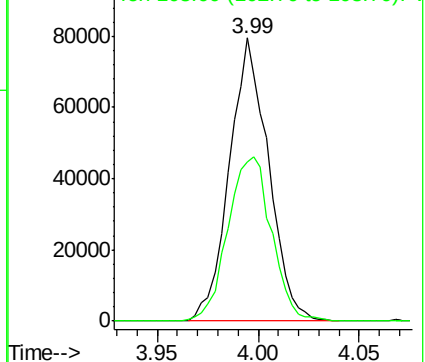
101 100

103 56.2 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.540 ppbv

RT: 4.54 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL033877.D

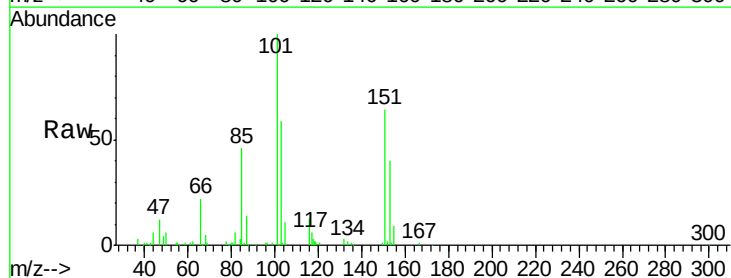
Acq: 7 Jun 2019 3:59

Tgt Ion:101 Resp: 75421

Ion Ratio Lower Upper

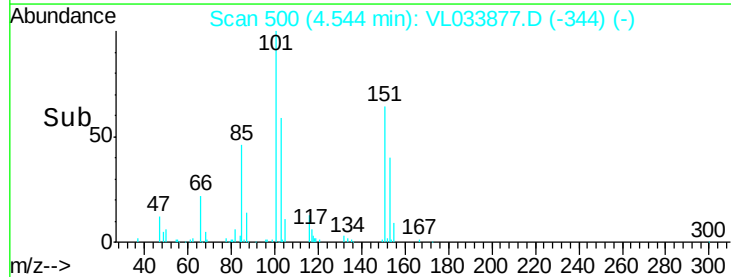
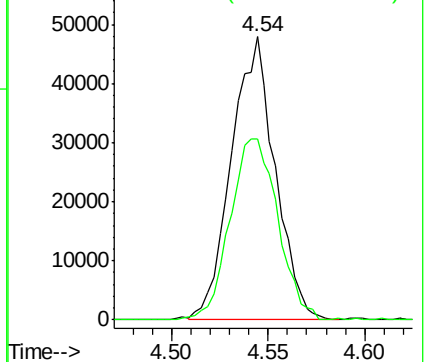
101 100

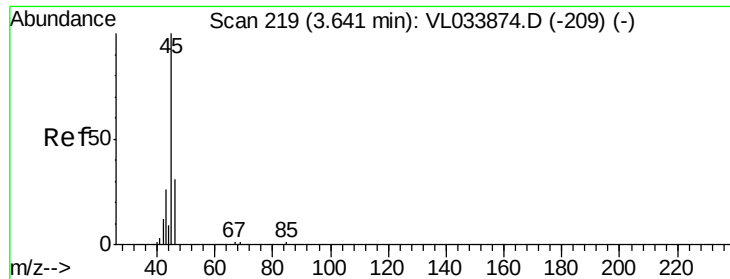
151 70.0 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

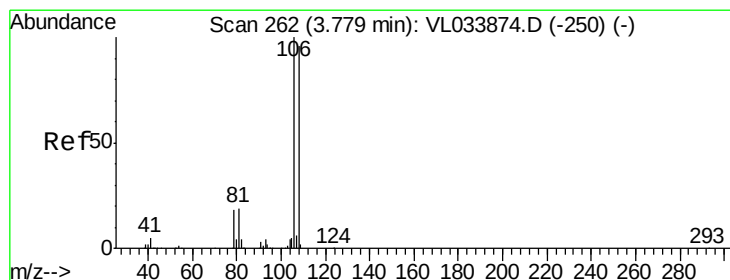
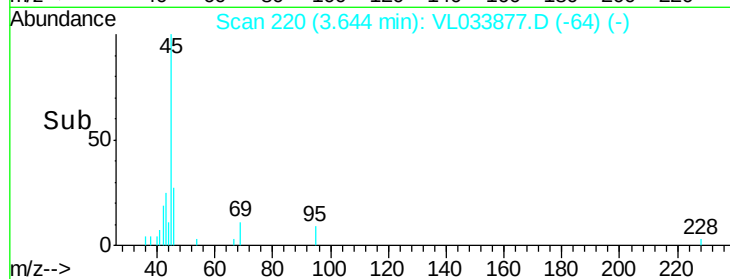
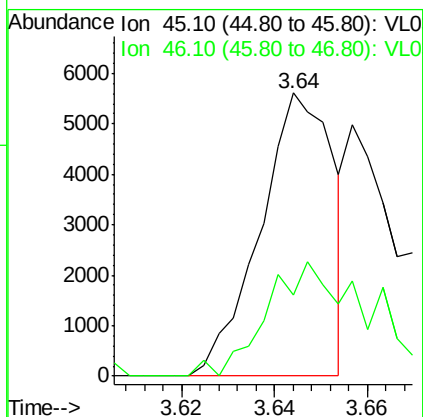
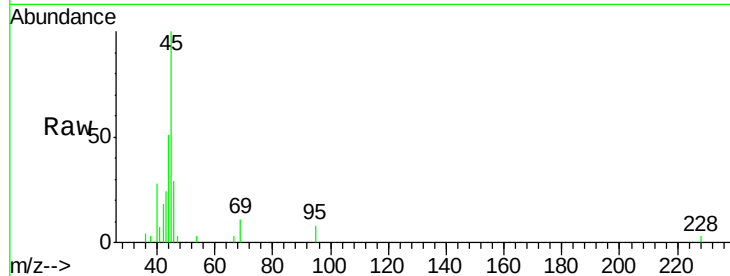




#13
Ethanol
Concen: 0.401 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

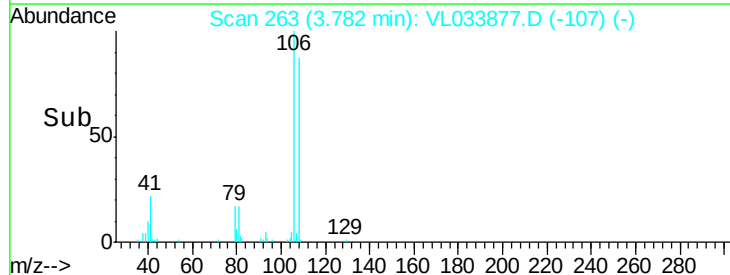
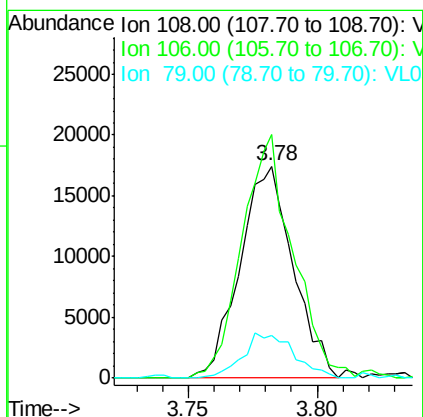
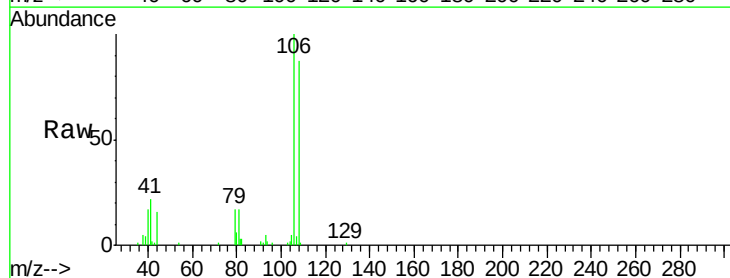
Instrument :
MSVOA_L
ClientSampleId :

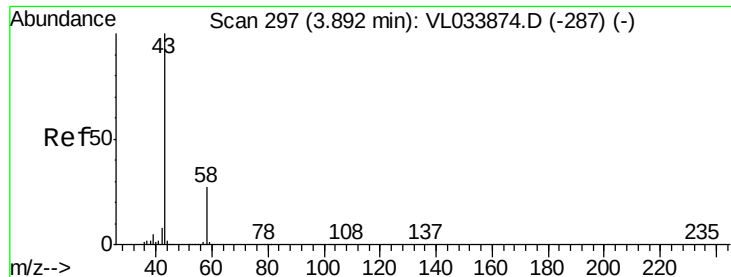
Tot Ion: 45 Resp: 6150
Ion Ratio Lower Upper
45 100
46 62.7 15.3 61.1#



#14
Bromoethene
Concen: 0.481 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 108 Resp: 25125
Ion Ratio Lower Upper
108 100
106 111.3 84.9 127.3
79 21.4 15.4 23.0





#15

Acetone

Concen: 0.605 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

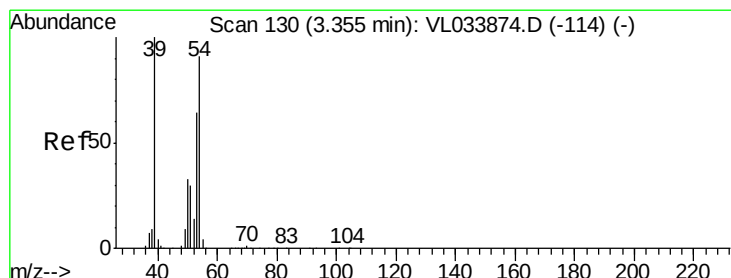
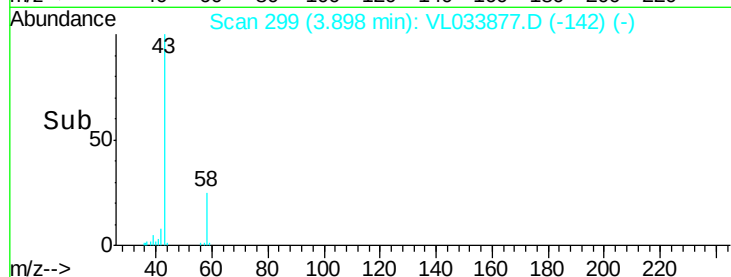
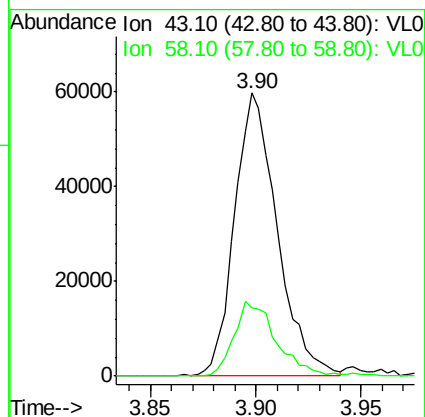
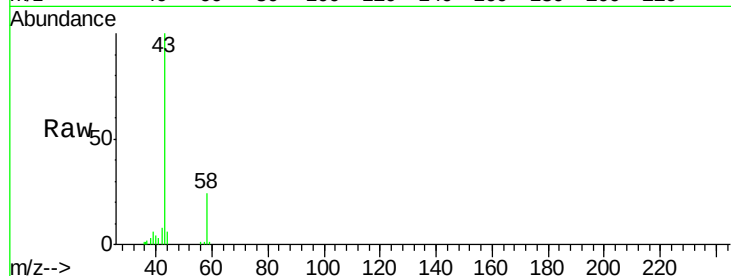
ClientSampleId :

Tot Ion: 43 Resp: 83105

Ion Ratio Lower Upper

43 100

58 26.7 21.3 31.9



#16

1,3-Butadiene

Concen: 0.492 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033877.D

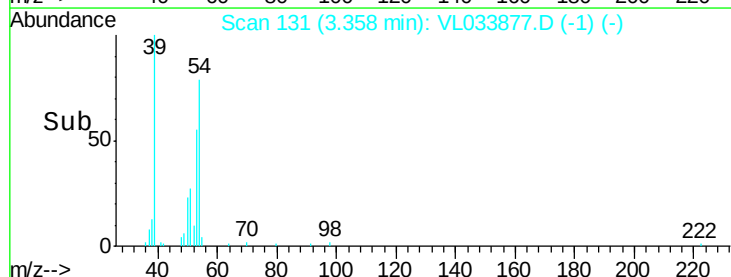
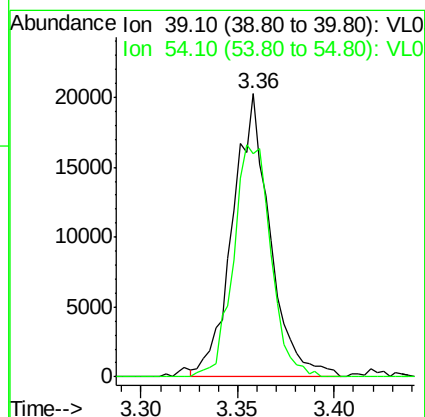
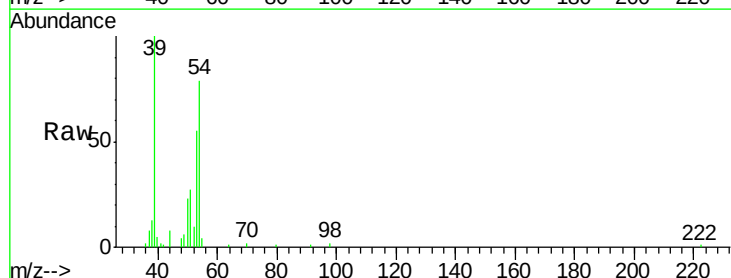
Acq: 7 Jun 2019 3:59

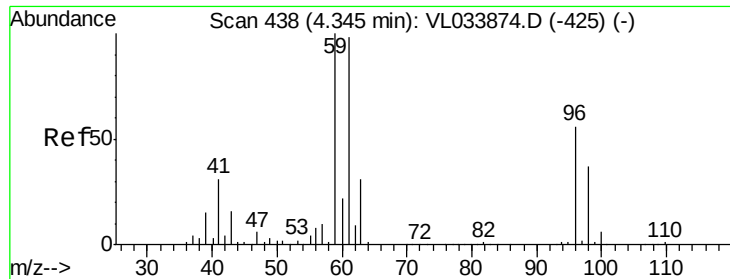
Tgt Ion: 39 Resp: 27256

Ion Ratio Lower Upper

39 100

54 81.8 68.6 103.0





#17

tert-Butyl alcohol

Concen: 0.549 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

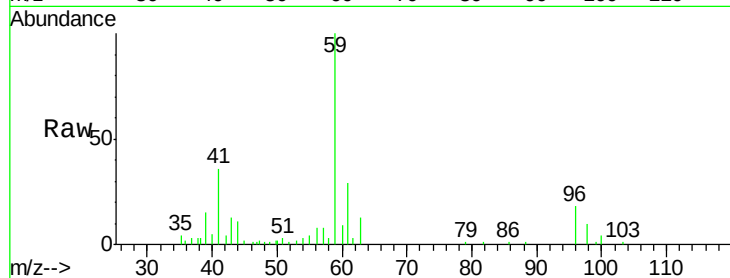
ClientSampleId :

Tot Ion: 59 Resp: 62695

Ion Ratio Lower Upper

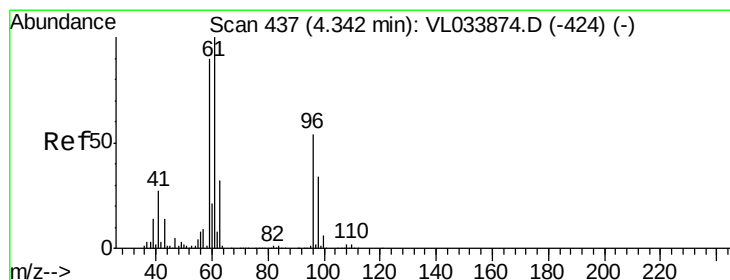
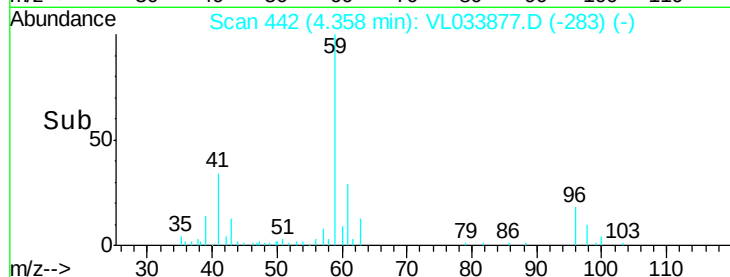
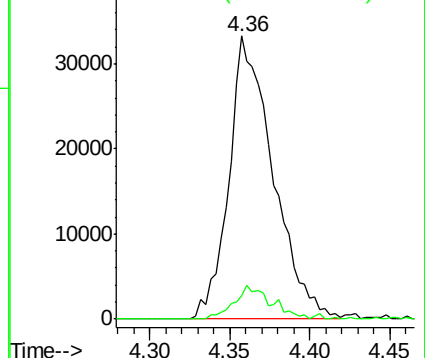
59 100

57 10.2 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.516 ppbv

RT: 4.34 min Scan# 437

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

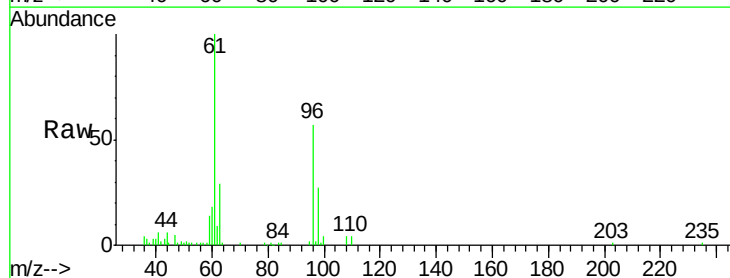
Tgt Ion: 96 Resp: 30469

Ion Ratio Lower Upper

96 100

61 177.0 147.0 220.6

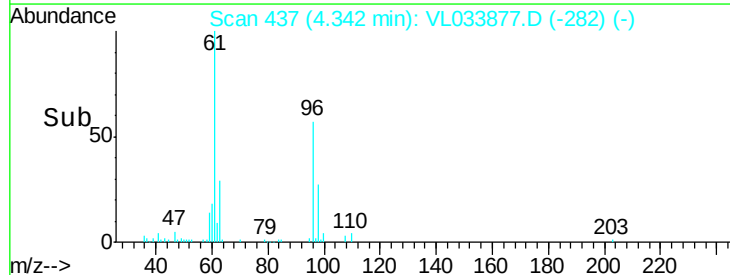
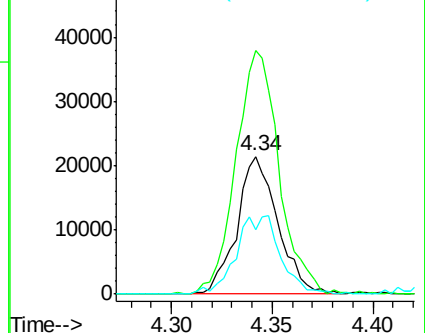
98 48.1 49.4 74.0#

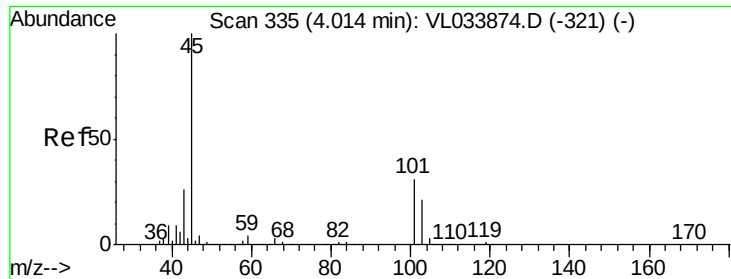


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.524 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

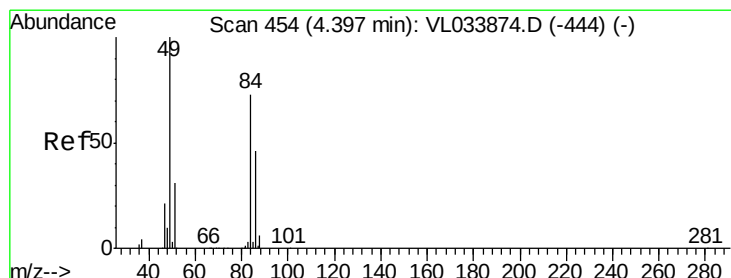
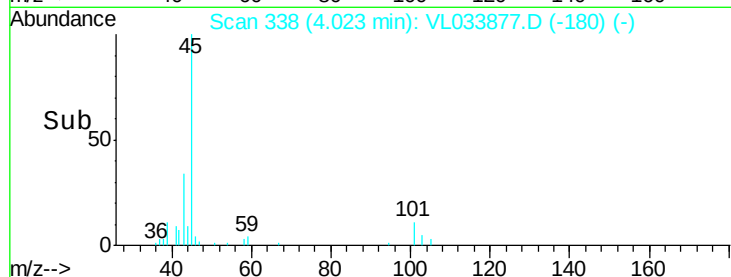
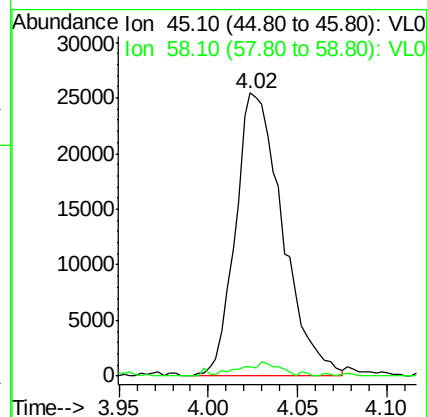
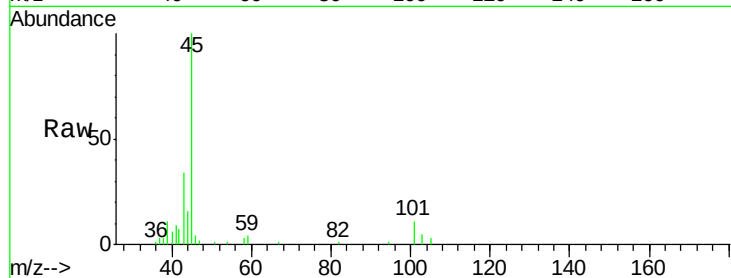
ClientSampleId :

Tot Ion: 45 Resp: 46801

Ion Ratio Lower Upper

45 100

58 4.7 1.8 2.6#



#20

Methylene Chloride

Concen: 0.631 ppbv

RT: 4.40 min Scan# 455

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion: 84 Resp: 33644

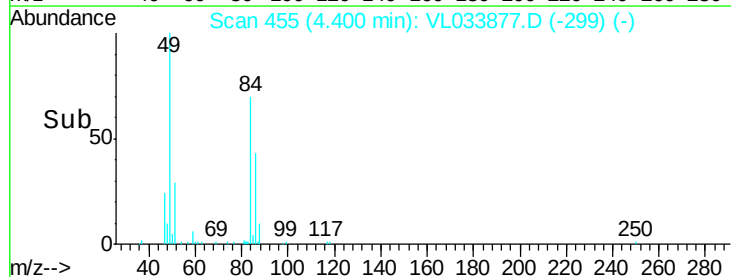
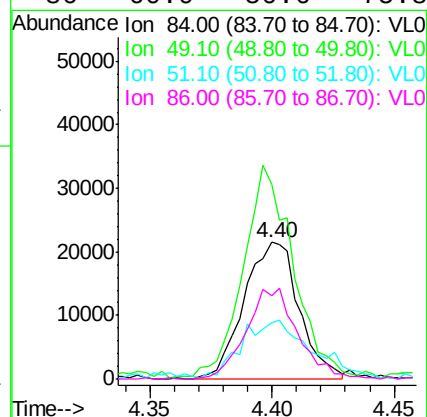
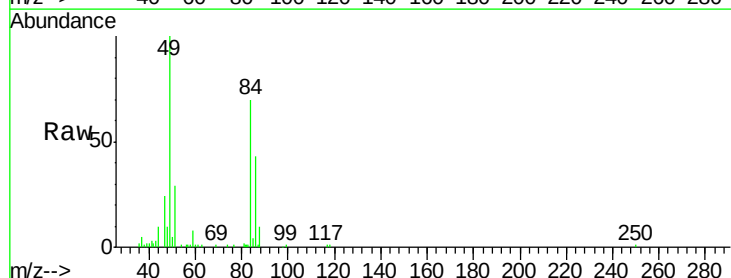
Ion Ratio Lower Upper

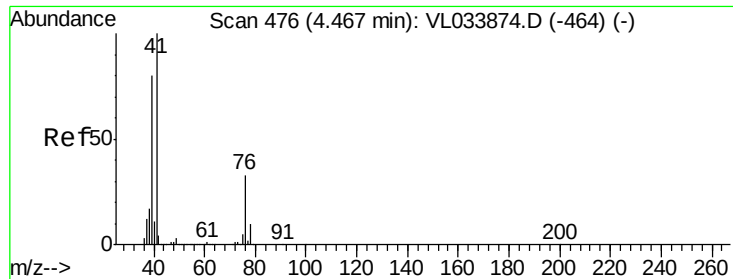
84 100

49 137.2 110.0 165.0

51 39.2 34.6 51.8

86 60.9 50.6 75.8

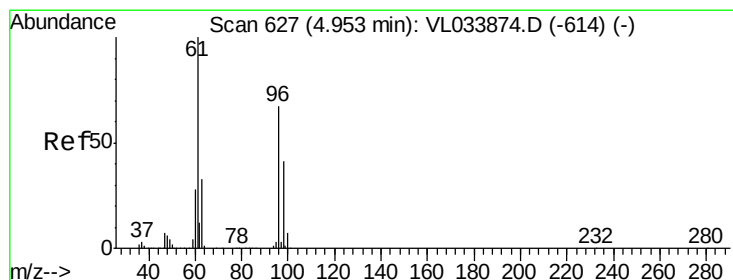
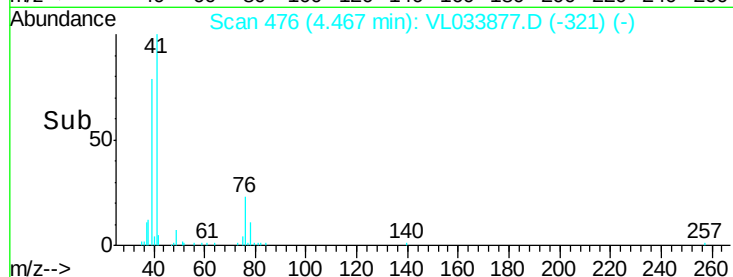
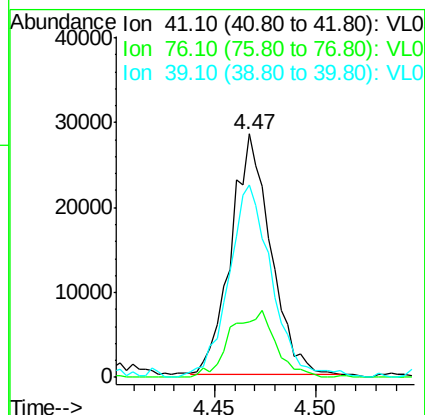
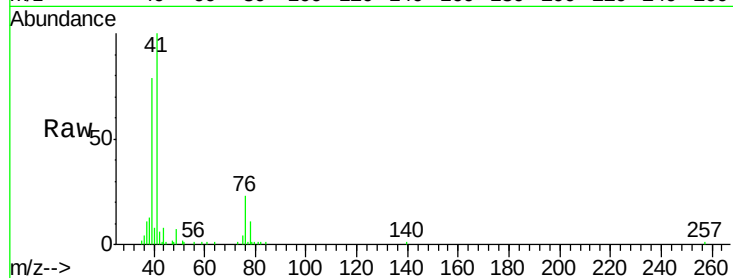




#21
 Allvl Chloride
 Concen: 0.458 ppbv
 RT: 4.47 min Scan# 476
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

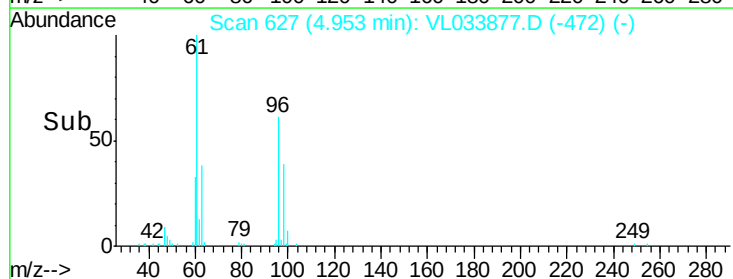
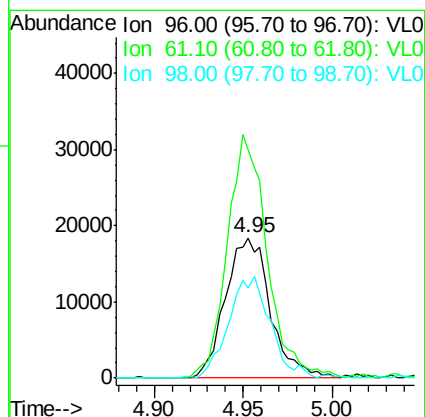
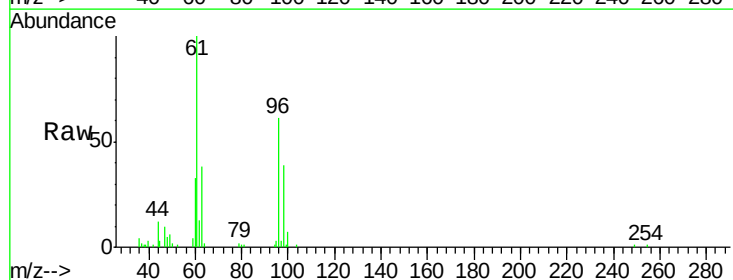
Instrument :
 MSVOA_L
 ClientSampleId :

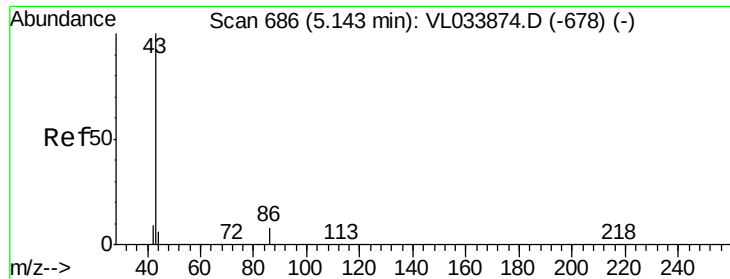
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.7	26.6	39.8
39	87.5	65.2	97.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.522 ppbv
 RT: 4.95 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	119.0	178.6
98	63.2	48.3	72.5





#23

Vinyl Acetate

Concen: 0.427 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

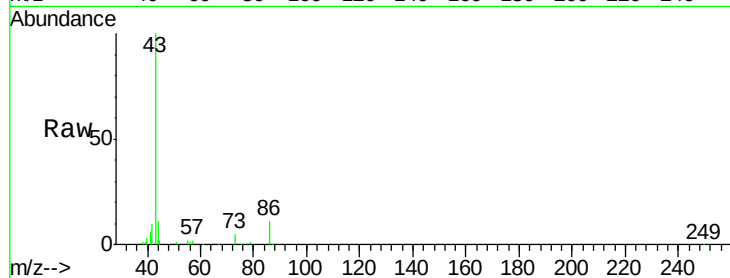
Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 77088

Ion	Ratio	Lower	Upper
43	100		
86	11.6	5.8	8.8#
42	8.6	7.8	11.8
44	8.5	4.2	6.4#

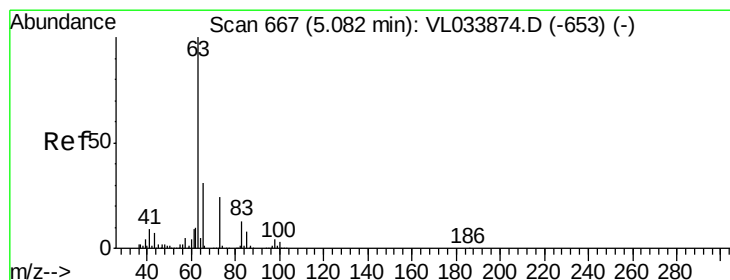
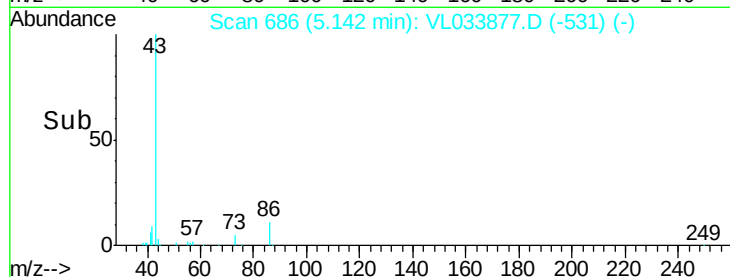
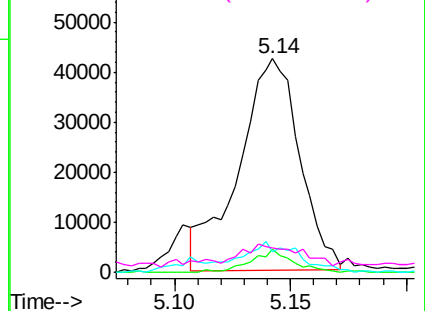


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.472 ppbv

RT: 5.08 min Scan# 666

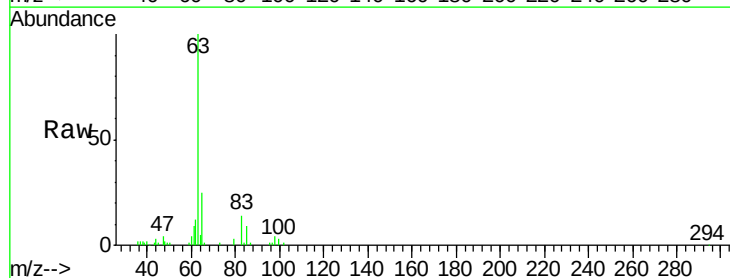
Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Tgt Ion: 63 Resp: 65339

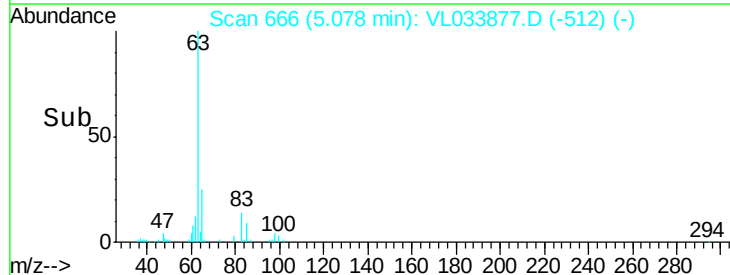
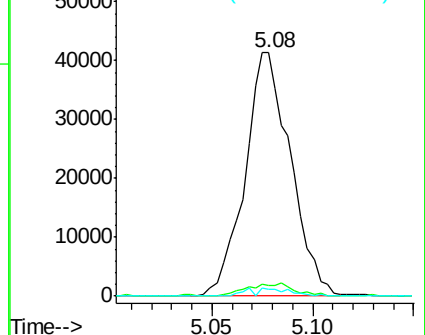
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.7	1.3	3.8

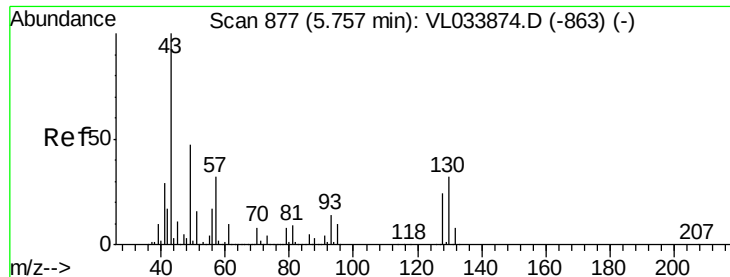


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

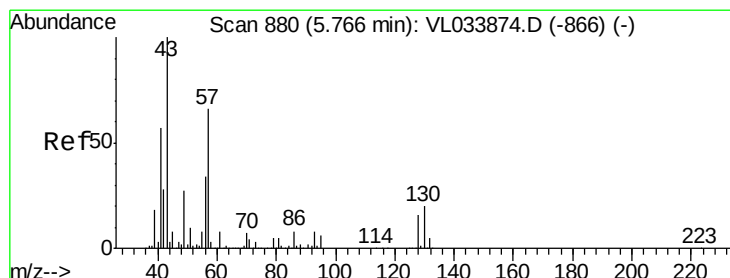
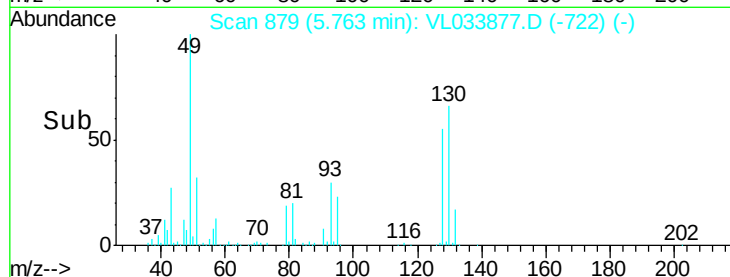
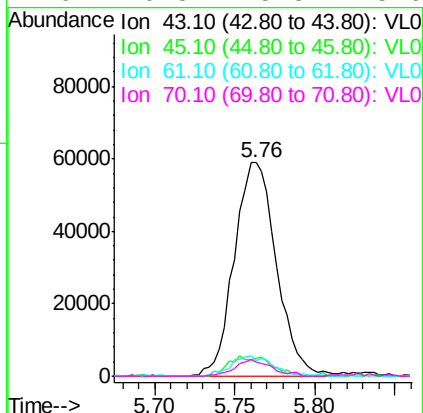
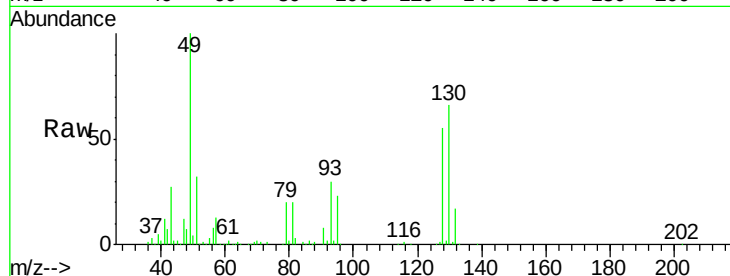




#25
Ethyl Acetate
Concen: 0.442 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.01 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

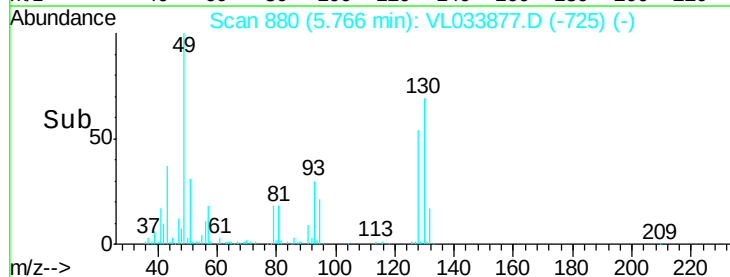
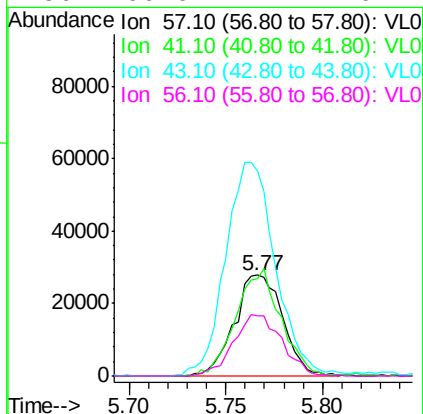
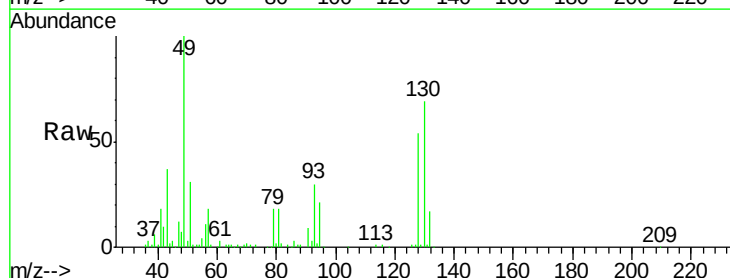
Instrument :
MSVOA_L
ClientSampleId :

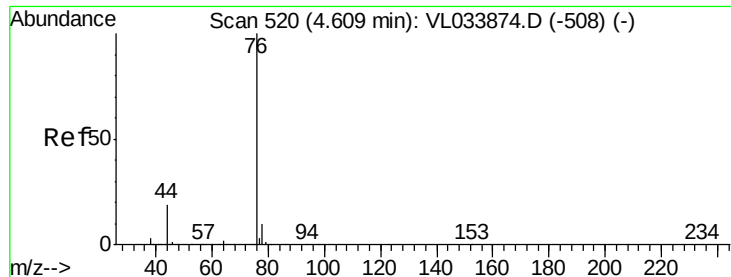
Tot Ion:	43	Resp:	106050
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.7	7.8	11.6
70	6.8	5.8	8.6



#26
Hexane
Concen: 0.470 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion:	57	Resp:	48313
Ion	Ratio	Lower	Upper
57	100		
41	101.3	71.4	107.2
43	222.7	183.7	275.5
56	60.6	42.7	64.1





#27

Carbon Disulfide

Concen: 0.450 ppbv

RT: 4.61 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

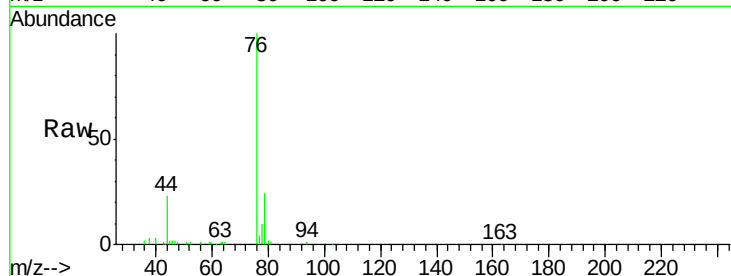
Tot Ion: 76 Resp: 64196

Ion Ratio Lower Upper

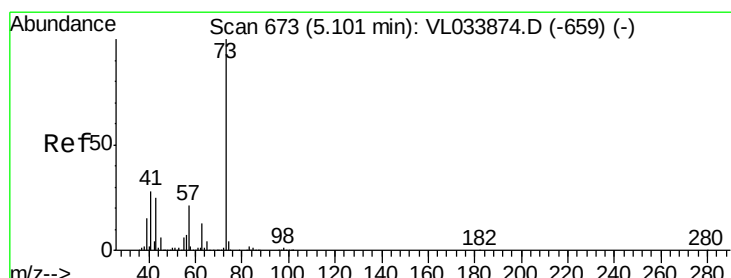
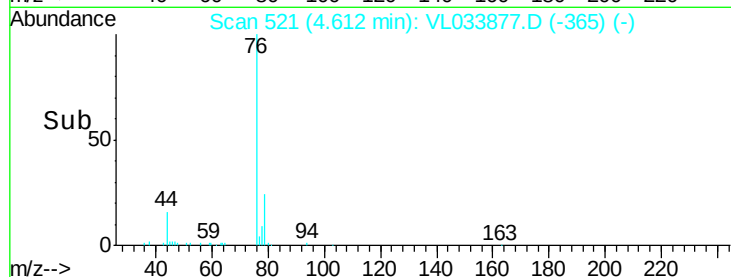
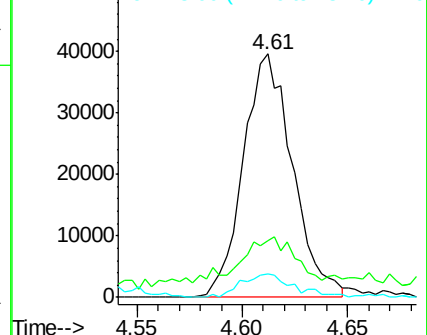
76 100

44 29.6 14.4 21.6#

78 10.9 7.5 11.3



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: 0.356 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.01 min

Lab File: VL033877.D

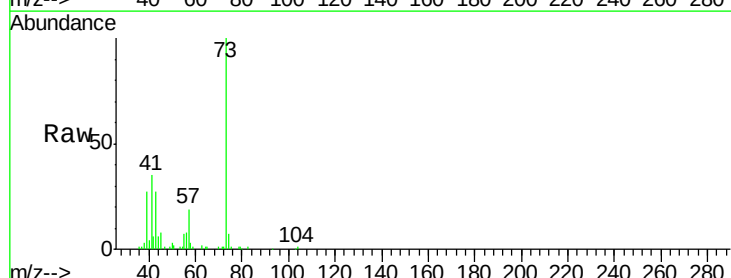
Acq: 7 Jun 2019 3:59

Tgt Ion: 73 Resp: 60601

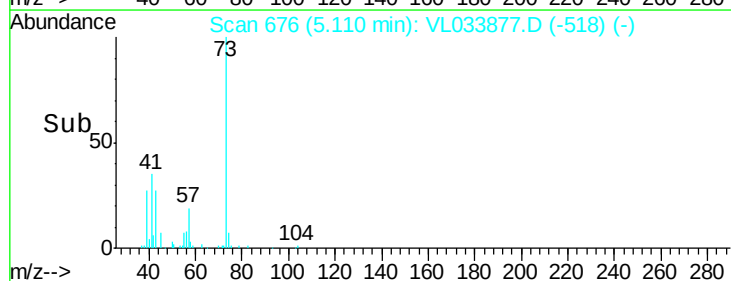
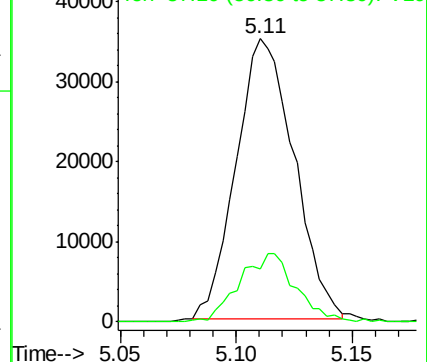
Ion Ratio Lower Upper

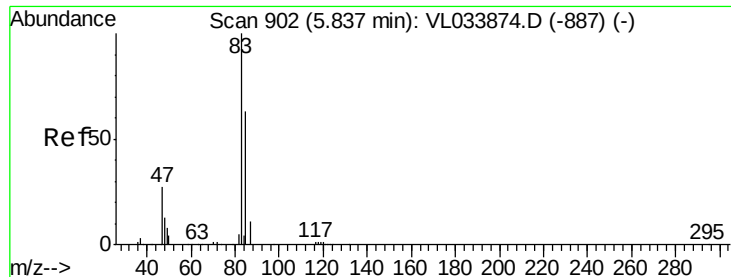
73 100

57 24.0 17.2 25.8



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

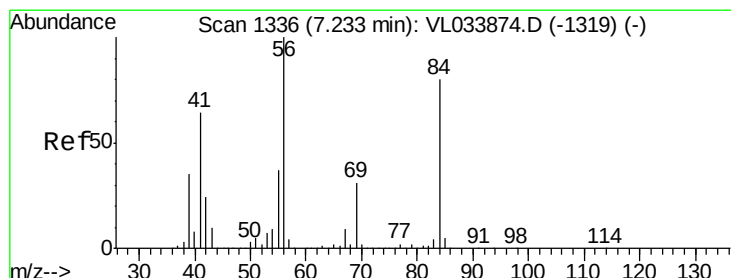
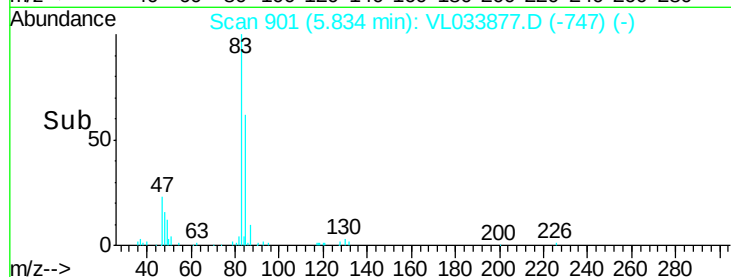
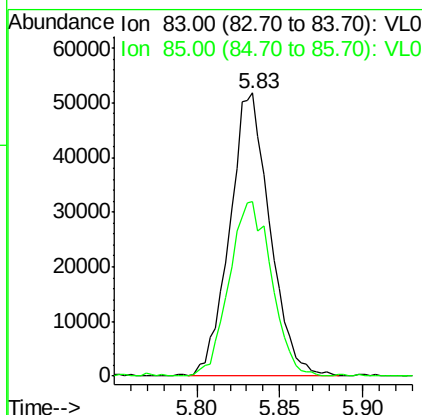
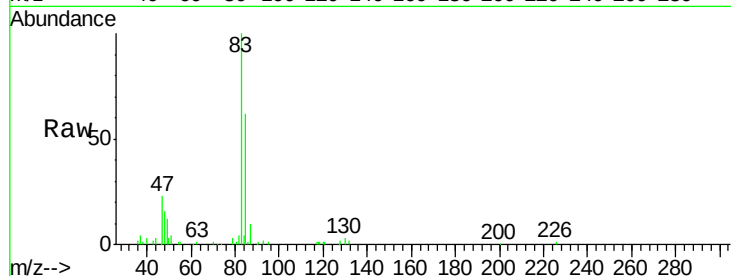




#29
Chloroform
Concen: 0.459 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

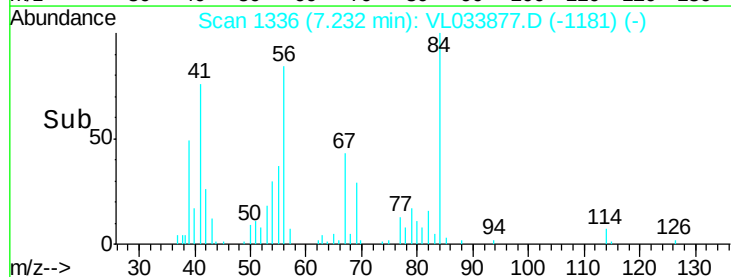
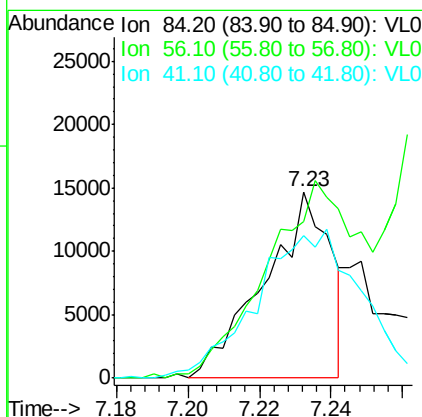
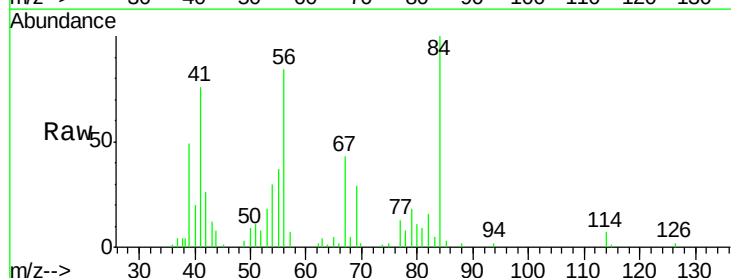
Instrument :
MSVOA_L
ClientSampled :

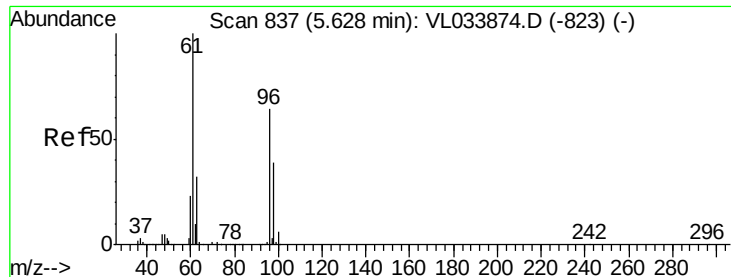
Tot Ion: 83 Resp: 87491
Ion Ratio Lower Upper
83 100
85 61.6 50.5 75.7



#30
Cyclohexane
Concen: 0.220 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 84 Resp: 18880
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 129.0 65.7 98.5#





#31

cis-1,2-Dichloroethene

Concen: 0.353 ppbv

RT: 5.62 min Scan# 836

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

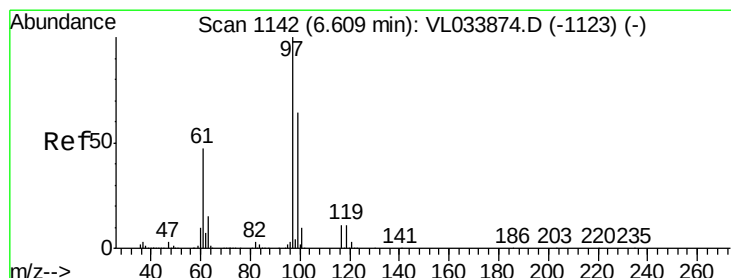
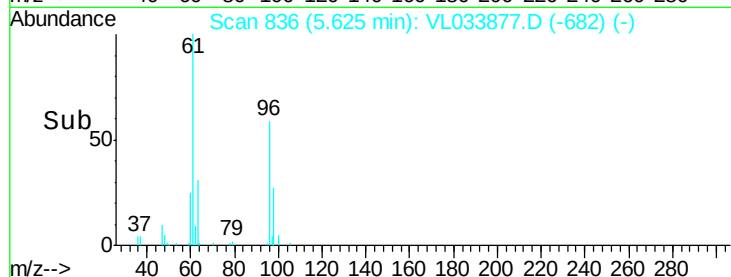
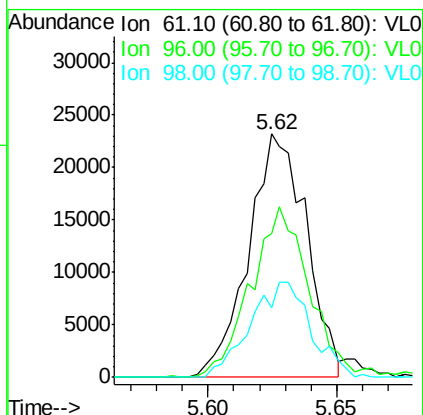
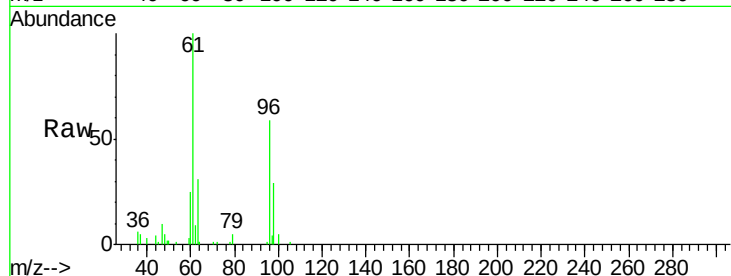
Tot Ion: 61 Resp: 36354

Ion Ratio Lower Upper

61 100

96 58.8 50.9 76.3

98 28.6 31.4 47.2#



#32

1,1,1-Trichloroethane

Concen: 0.258 ppbv

RT: 6.60 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

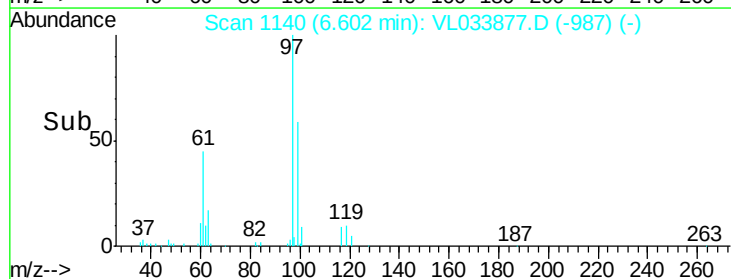
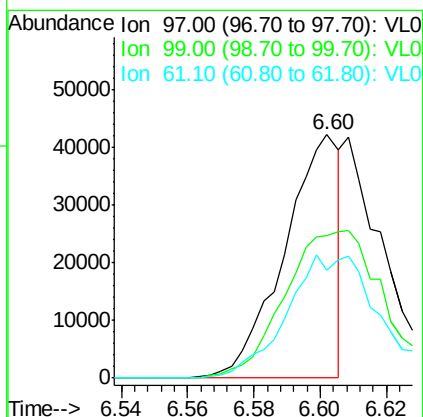
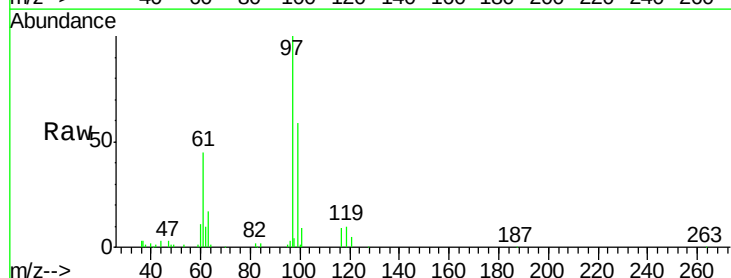
Tgt Ion: 97 Resp: 49196

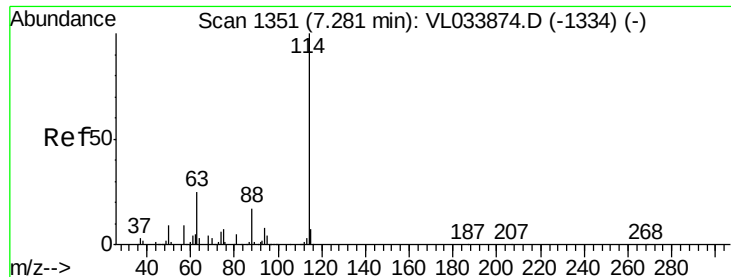
Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5#

61 82.6 37.7 56.5#

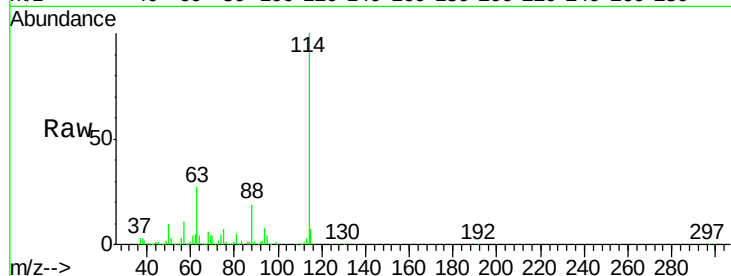




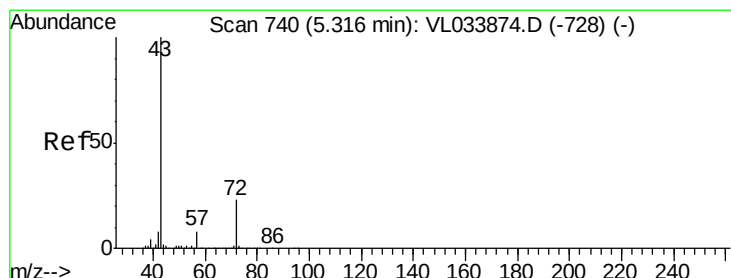
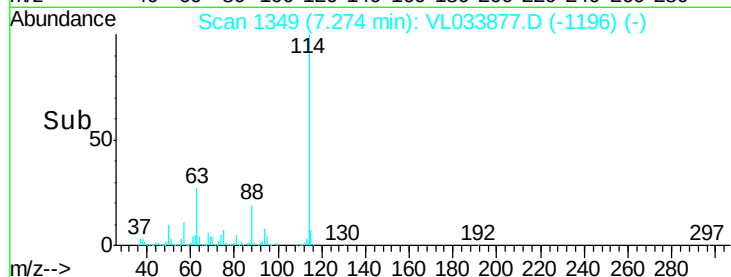
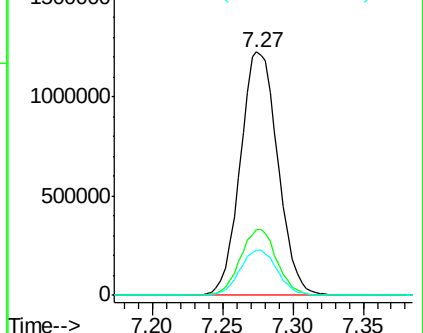
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2289227
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.1 31.7
 88 18.4 14.2 21.4

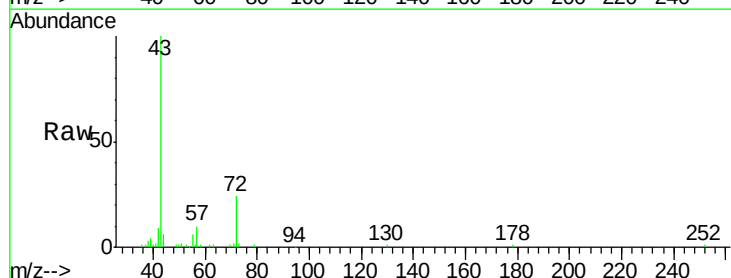


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

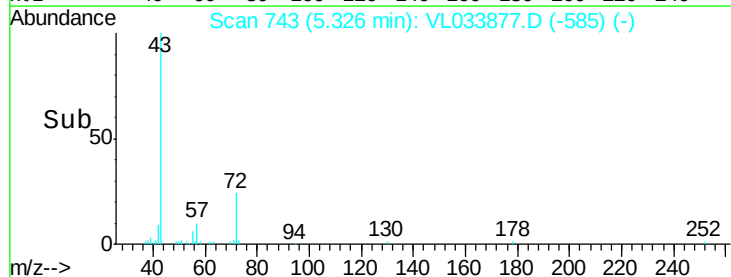
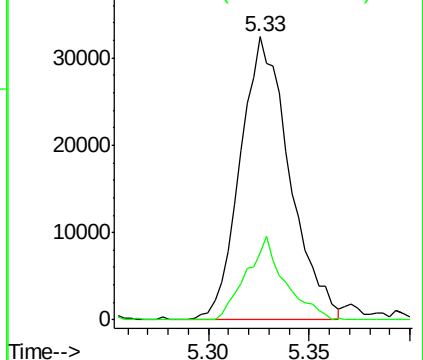


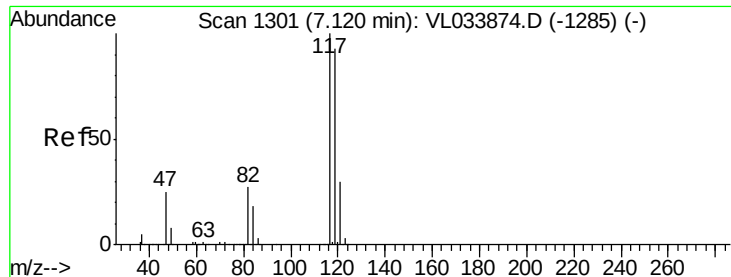
#34
 2-Butanone
 Concen: 0.393 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion: 43 Resp: 55624
 Ion Ratio Lower Upper
 43 100
 72 23.1 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 0.469 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

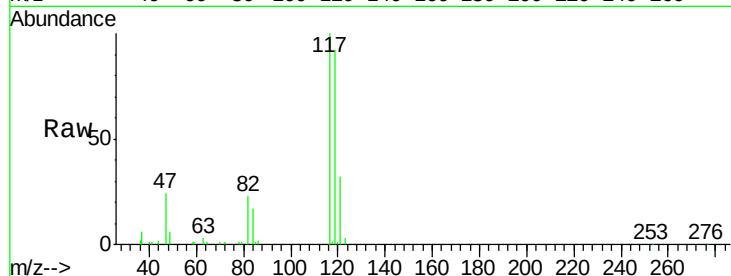
Tot Ion:117 Resp: 86176

Ion Ratio Lower Upper

117 100

119 91.2 74.6 111.8

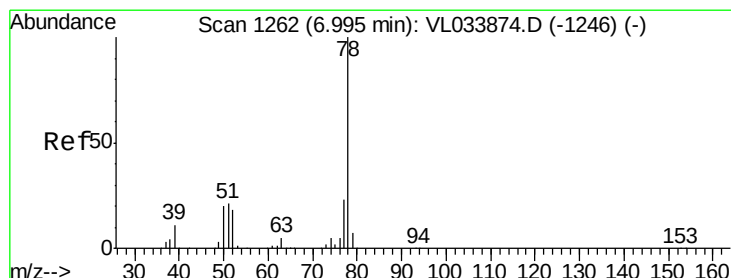
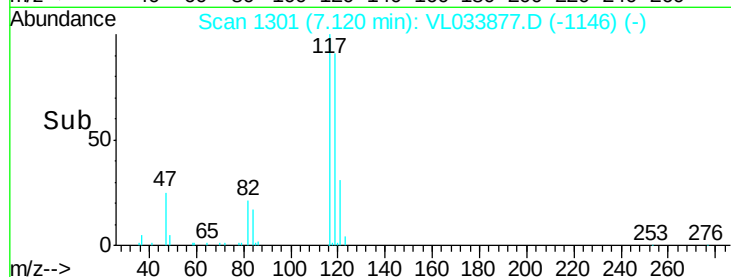
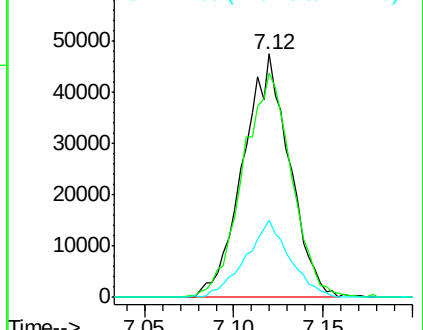
121 31.4 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.353 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

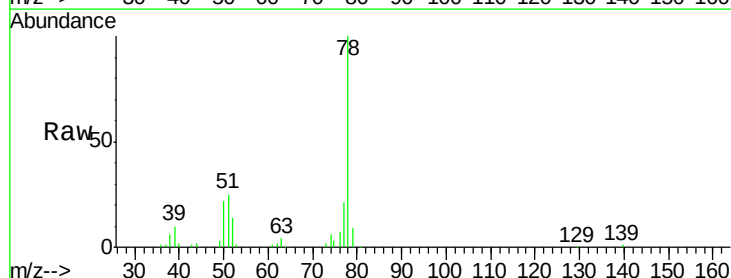
Tgt Ion: 78 Resp: 72155

Ion Ratio Lower Upper

78 100

77 21.1 18.2 27.2

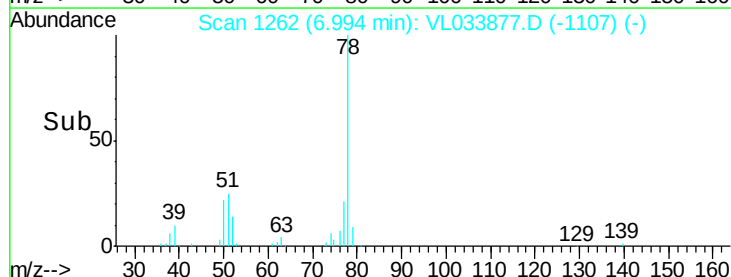
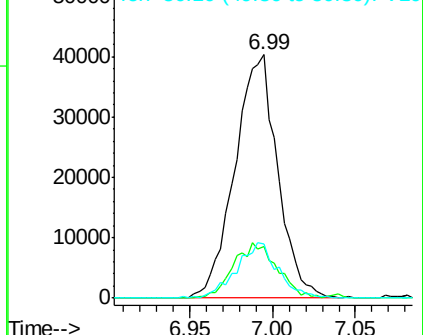
50 22.1 15.9 23.9

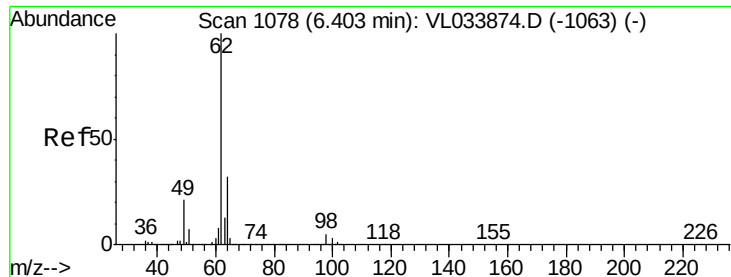


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

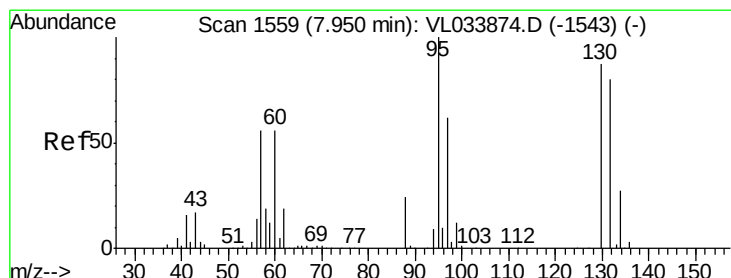
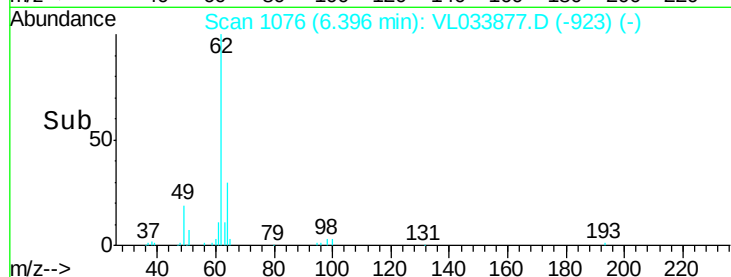
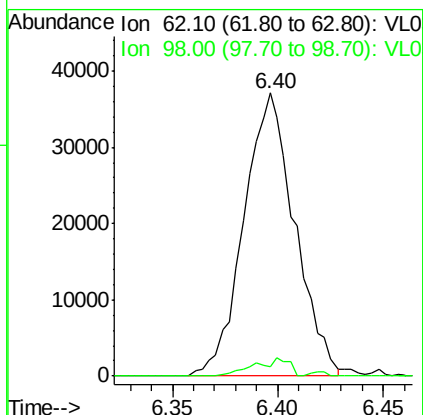
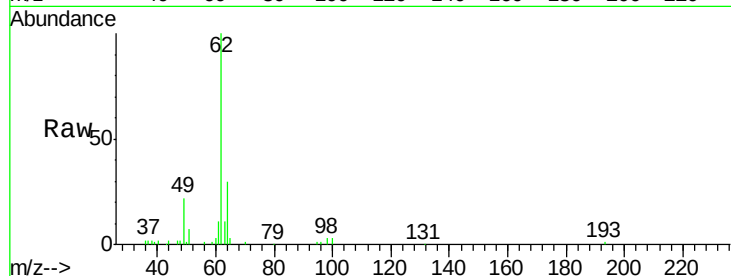




#37
 1,2-Dichloroethane
 Concen: 0.462 ppbv
 RT: 6.40 min Scan# 1076
 Delta R.T. -0.01 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

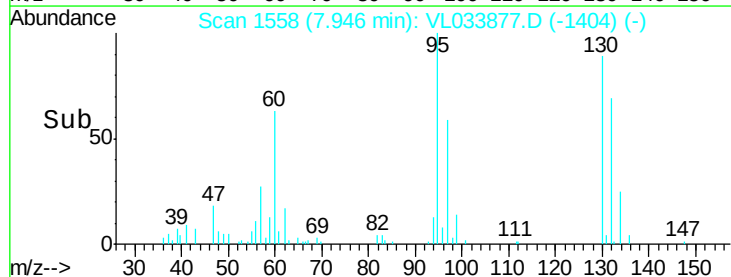
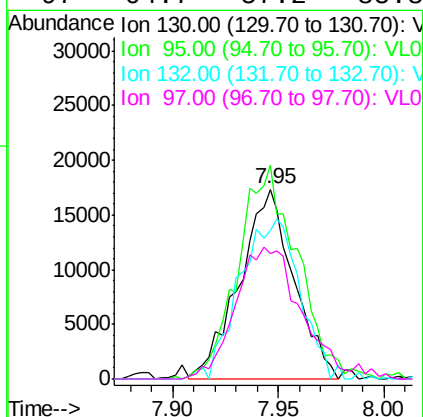
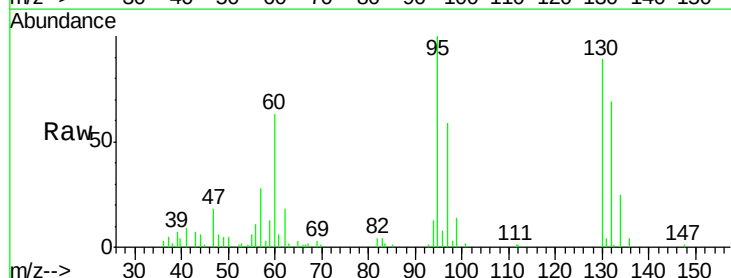
Instrument :
 MSVOA_L
 ClientSampleId :

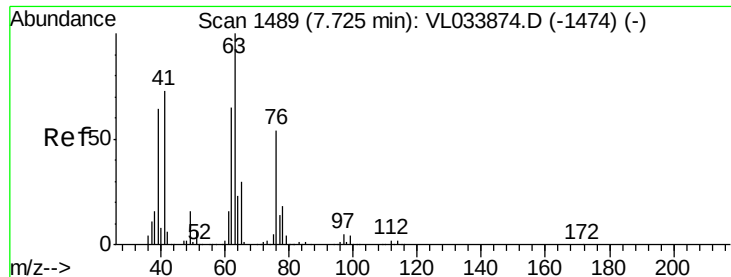
Tot Ion: 62 Resp: 62326
 Ion Ratio Lower Upper
 62 100
 98 4.9 4.0 6.0



#38
 Trichloroethene
 Concen: 0.400 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion:130 Resp: 31042
 Ion Ratio Lower Upper
 130 100
 95 110.9 92.0 138.0
 132 77.0 73.8 110.8
 97 64.7 57.2 85.8

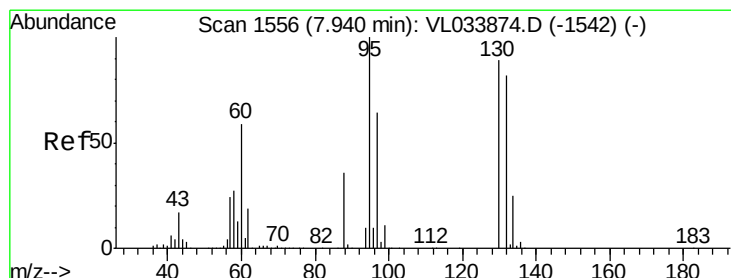
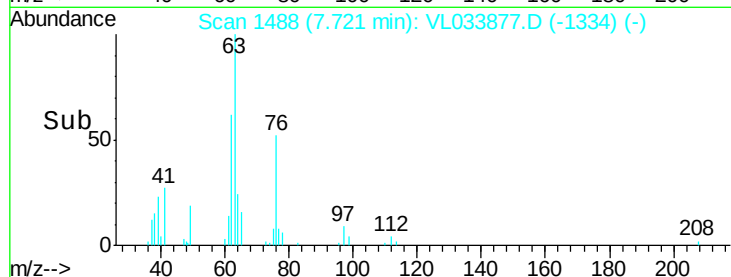
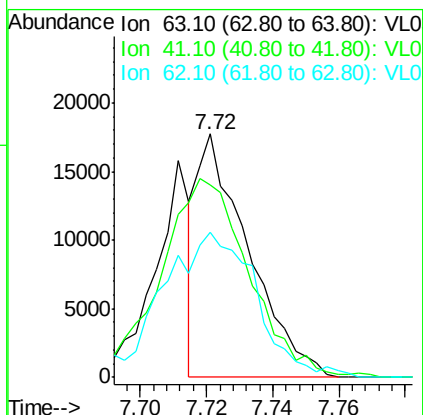
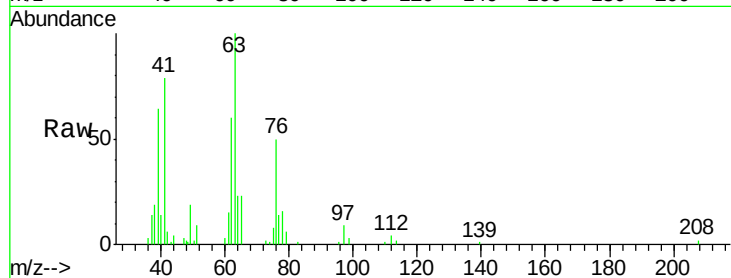




#39
 1,2-Dichloropropane
 Concen: 0.248 ppbv
 RT: 7.72 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

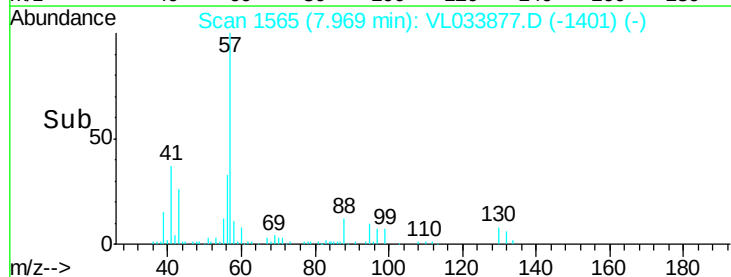
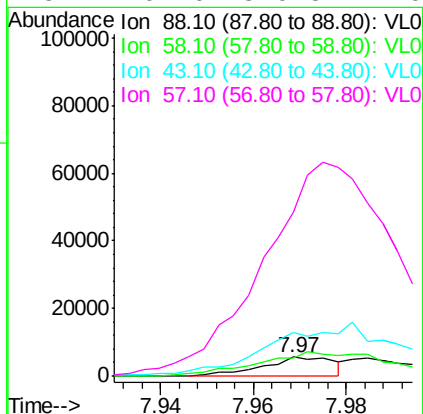
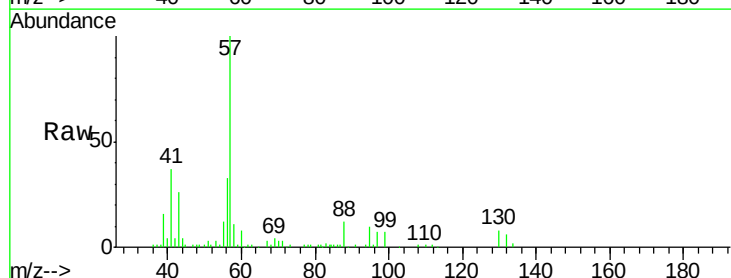
Instrument :
 MSVOA_L
 ClientSampleId :

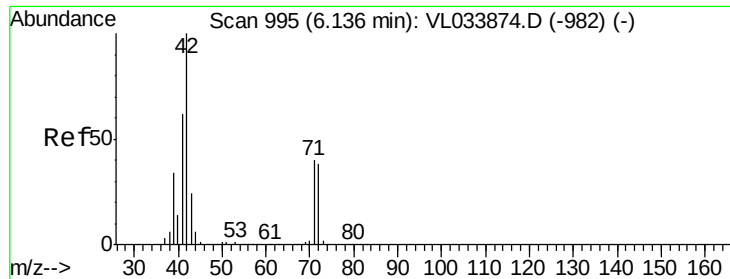
Tot Ion: 63 Resp: 19049
 Ion Ratio Lower Upper
 63 100
 41 77.6 58.7 88.1
 62 56.9 51.9 77.9



#40
 1,4-Dioxane
 Concen: 0.187 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.03 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion: 88 Resp: 6050
 Ion Ratio Lower Upper
 88 100
 58 279.1 100.0 150.0#
 43 0.0 184.7 277.1#
 57 2167.6 826.8 1240.2#





#41

Tetrahydrofuran

Concen: 0.085 ppbv

RT: 6.15 min Scan# 998

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

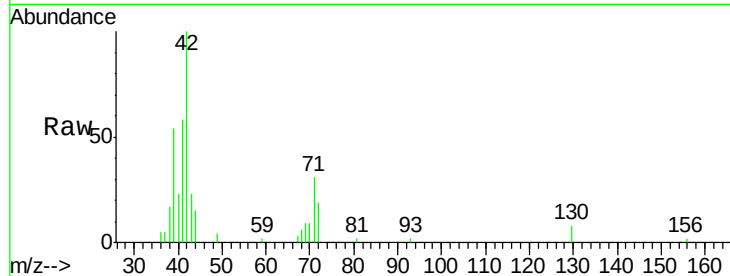
Tot Ion: 42 Resp: 6611

Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

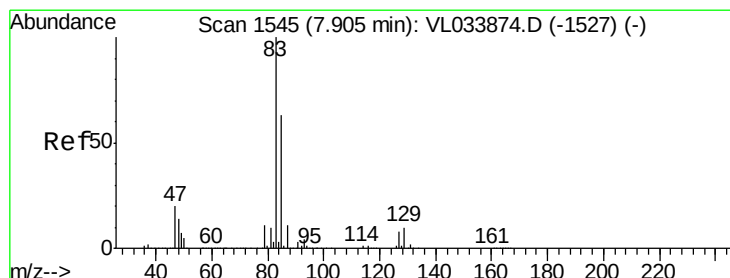
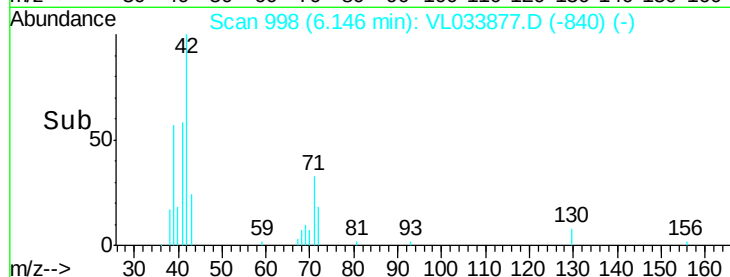
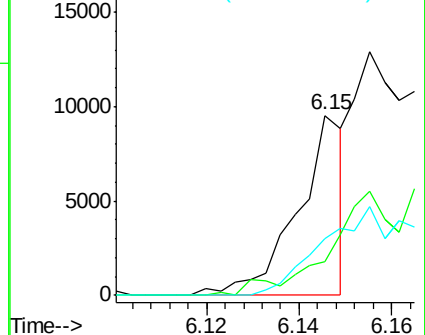
71 0.0 31.7 47.5#



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: 0.423 ppbv

RT: 7.90 min Scan# 1544

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

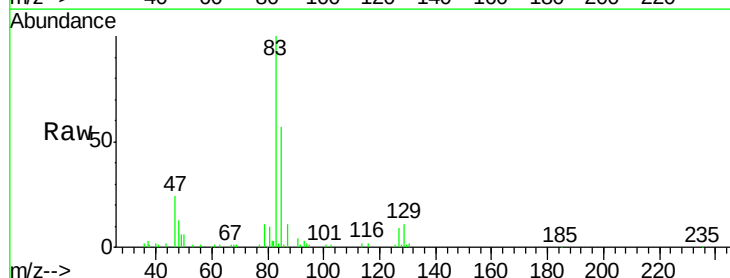
Tgt Ion: 83 Resp: 77770

Ion Ratio Lower Upper

83 100

85 55.7 50.2 75.2

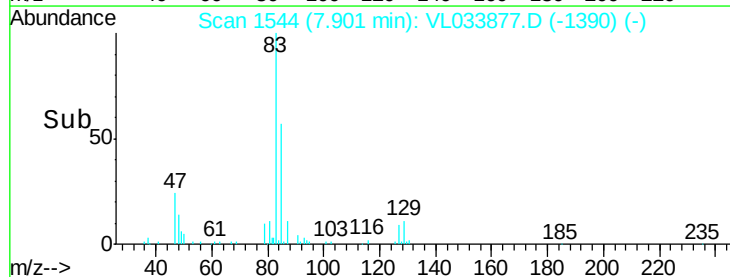
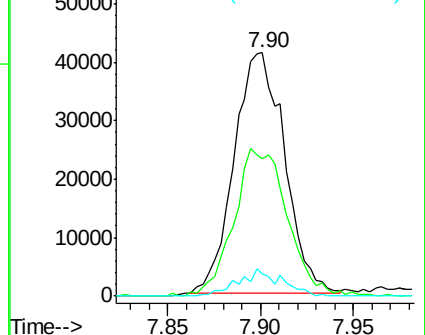
127 9.4 6.5 9.7

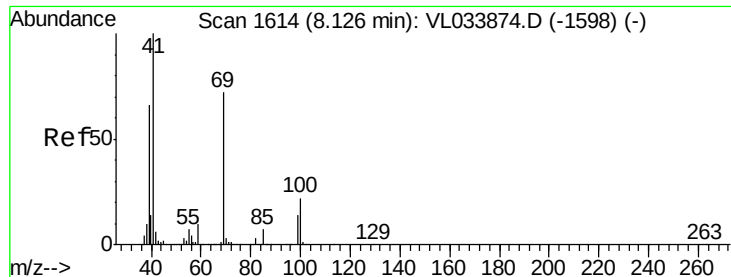


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

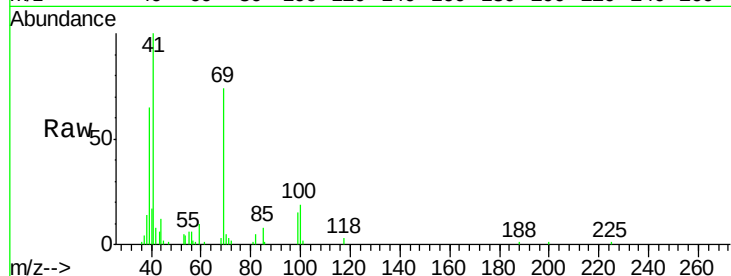




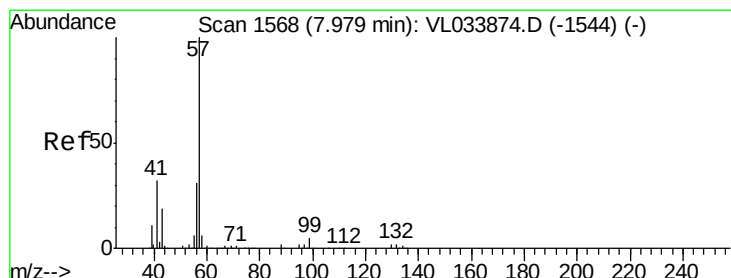
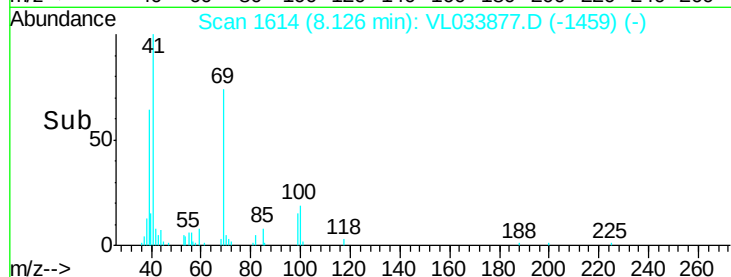
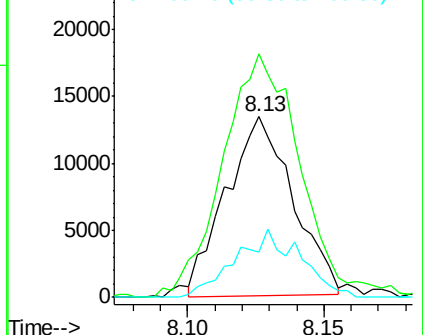
#43
Methyl Methacrylate
Concen: 0.301 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 22848
Ion Ratio Lower Upper
69 100
41 157.6 114.3 171.5
100 36.5 24.8 37.2

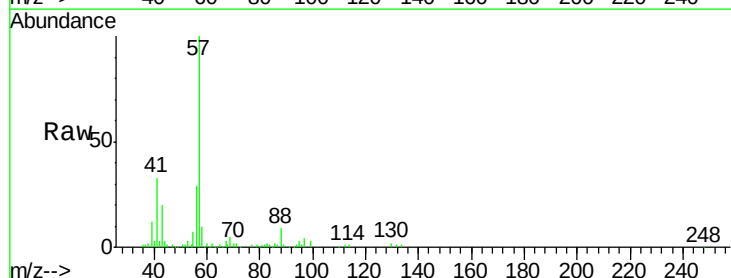


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

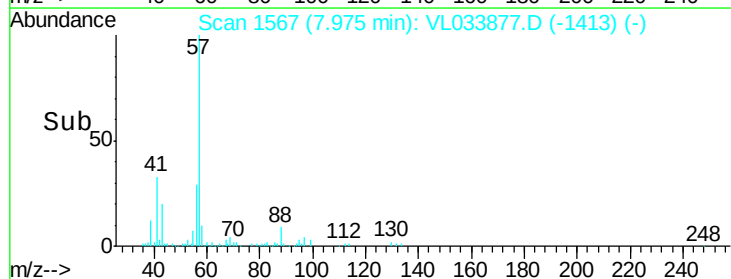
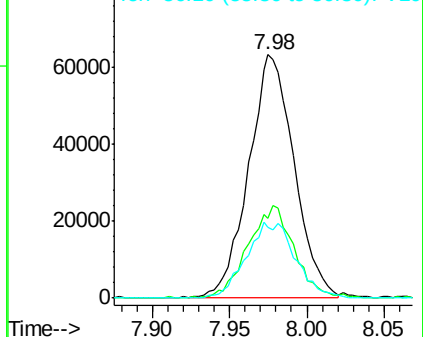


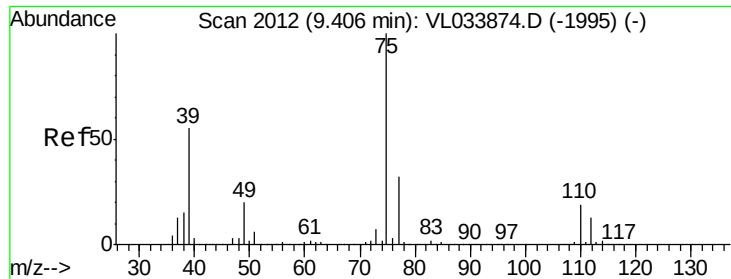
#44
2,2,4-Trimethylpentane
Concen: 0.372 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 57 Resp: 129650
Ion Ratio Lower Upper
57 100
41 38.8 26.1 39.1
56 33.5 24.6 36.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.149 ppbv

RT: 9.40 min Scan# 2009

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

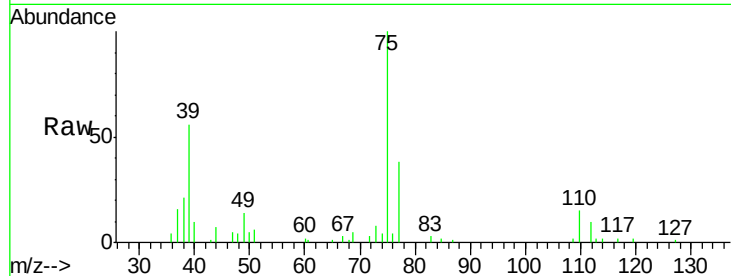
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 14363

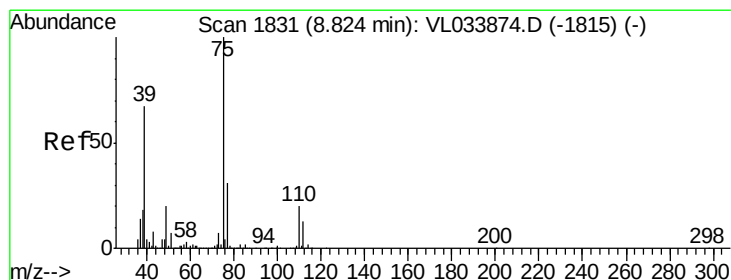
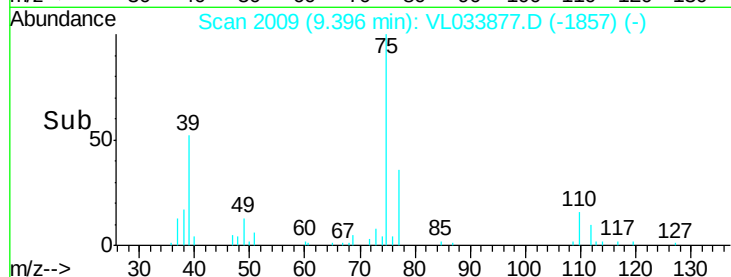
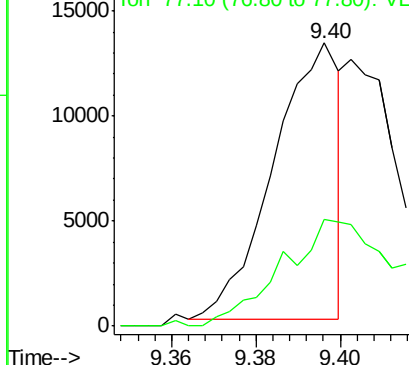
Ion Ratio Lower Upper

75 100

77 37.5 25.4 38.2



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.170 ppbv

RT: 8.82 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

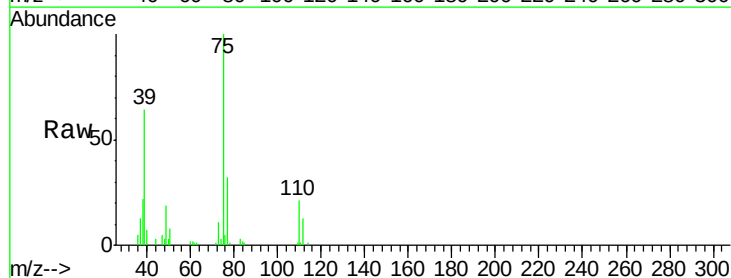
Tgt Ion: 75 Resp: 19098

Ion Ratio Lower Upper

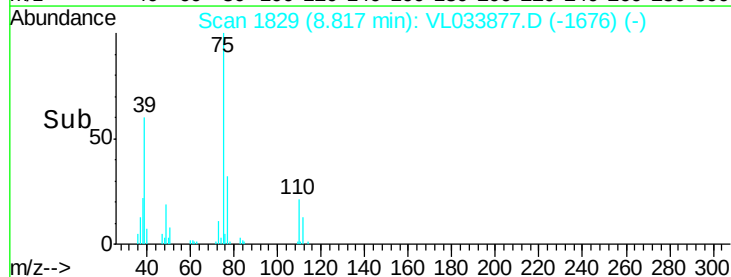
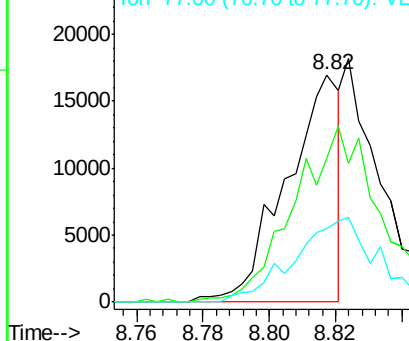
75 100

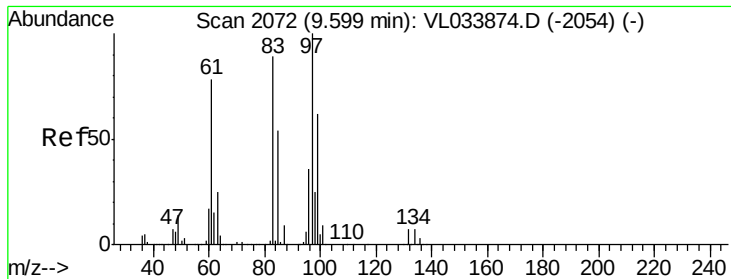
39 63.5 53.8 80.8

77 32.4 24.6 36.8



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





#47

1,1,2-Trichloroethane

Concen: 0.256 ppbv

RT: 9.60 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 22462

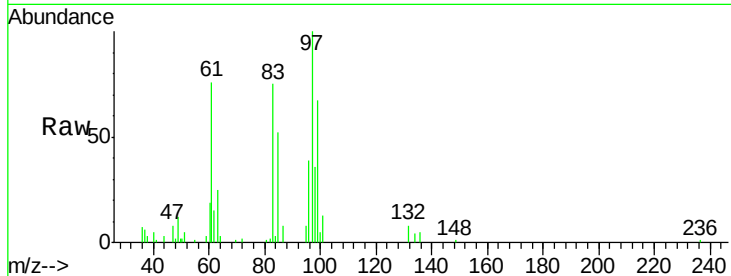
Ion Ratio Lower Upper

97 100

83 74.7 70.9 106.3

85 51.7 43.0 64.6

99 66.7 49.3 73.9

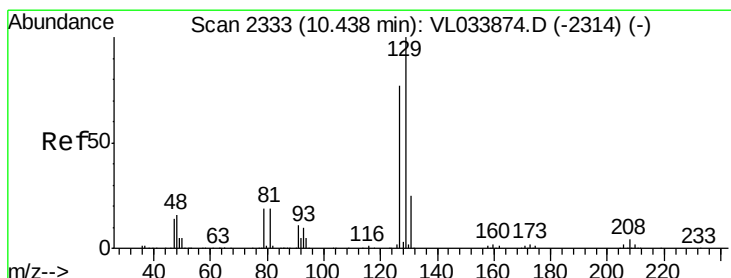
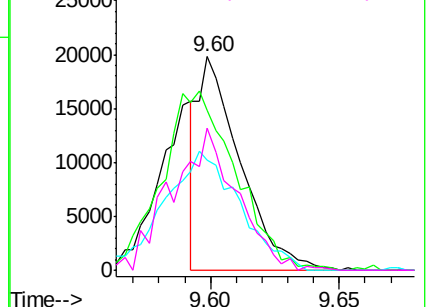
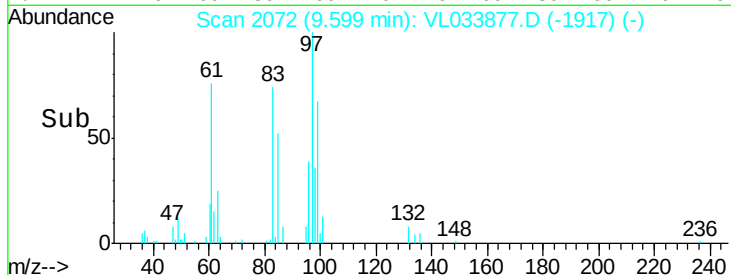


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.384 ppbv

RT: 10.43 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL033877.D

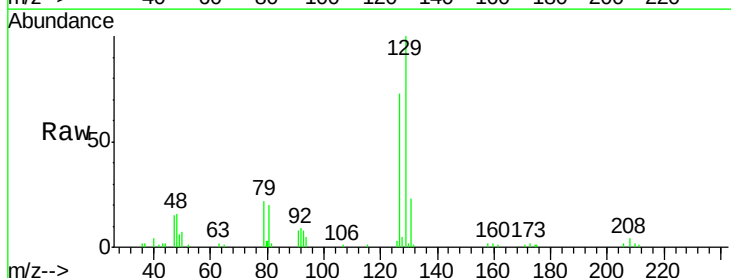
Acq: 7 Jun 2019 3:59

Tgt Ion: 129 Resp: 58653

Ion Ratio Lower Upper

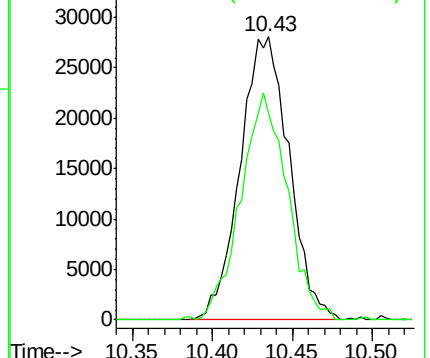
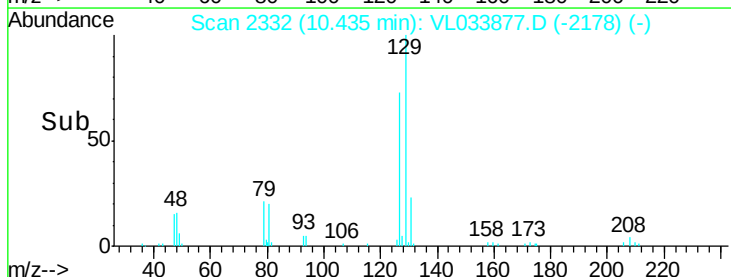
129 100

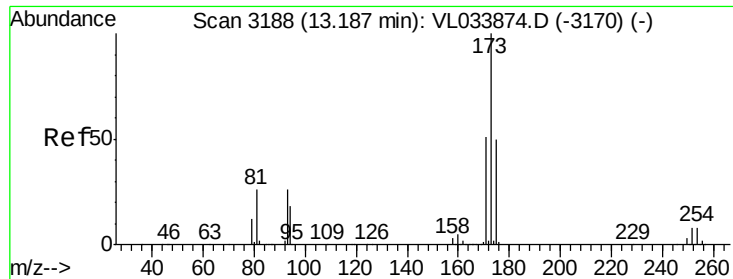
127 76.6 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.369 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

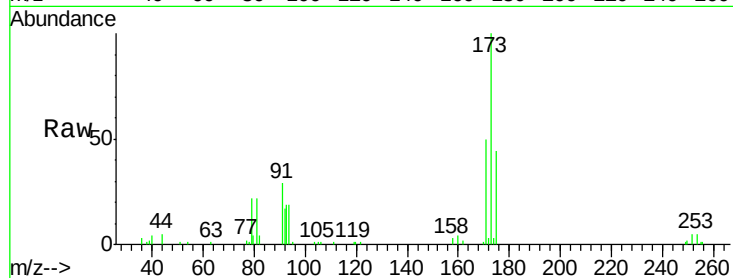
Tot Ion:173 Resp: 48417

Ion Ratio Lower Upper

173 100

175 50.1 39.6 59.4

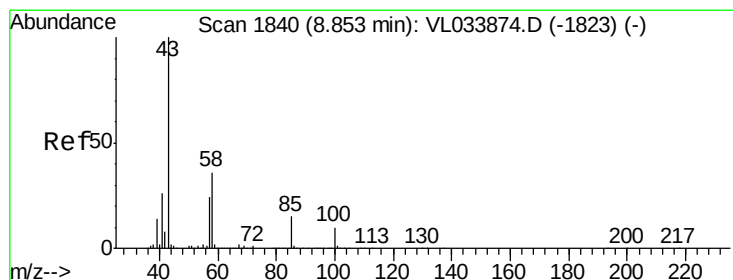
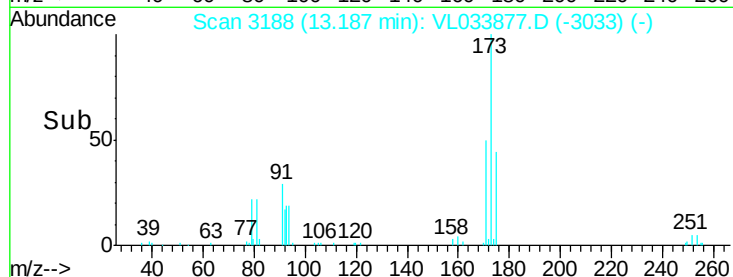
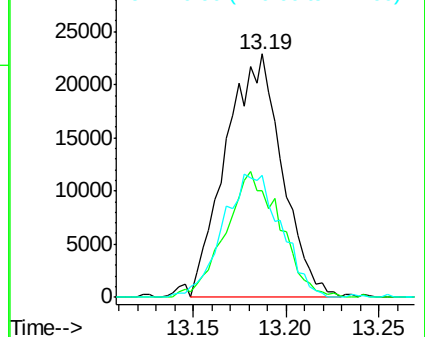
171 52.4 41.8 62.8



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: 0.341 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.02 min

Lab File: VL033877.D

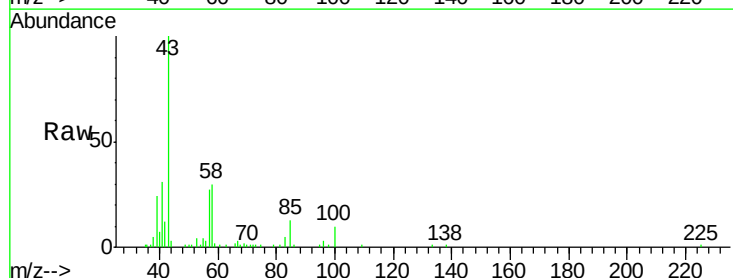
Acq: 7 Jun 2019 3:59

Tgt Ion: 43 Resp: 73541

Ion Ratio Lower Upper

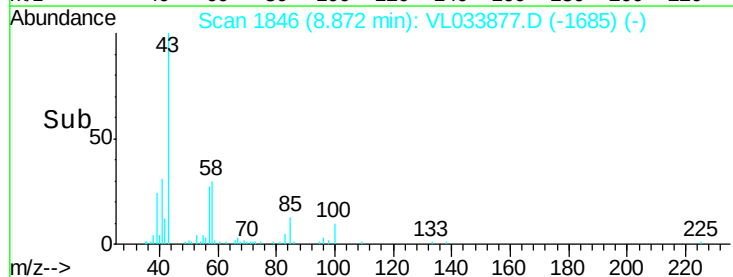
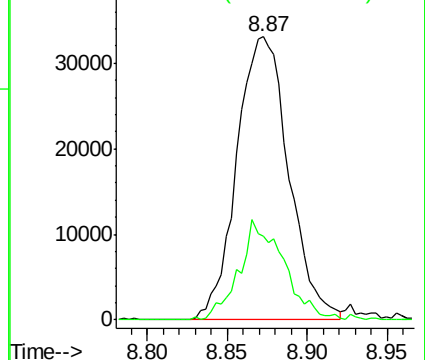
43 100

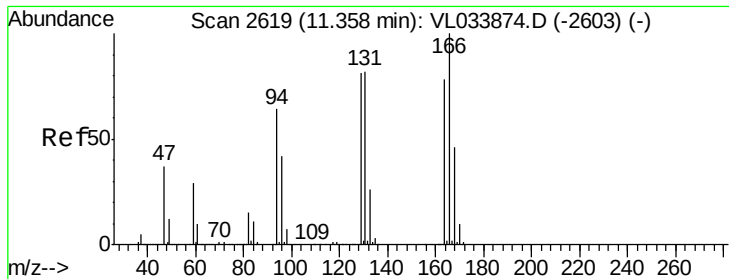
58 30.7 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#52

Tetrachloroethene

Concen: 0.387 ppbv

RT: 11.36 min Scan# 2620

Delta R.T. 0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 28171

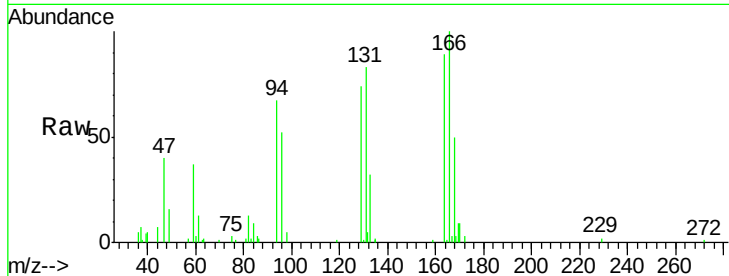
Ion Ratio Lower Upper

164 100

166 108.9 103.1 154.7

129 78.2 83.9 125.9#

131 89.6 85.1 127.7

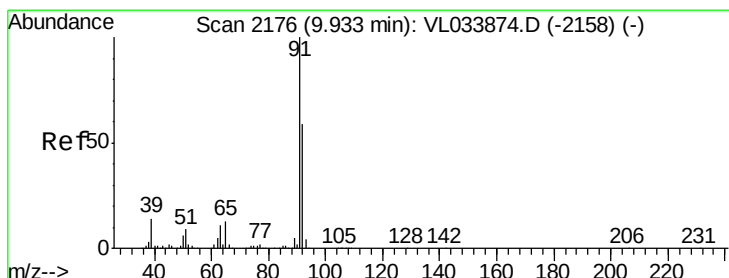
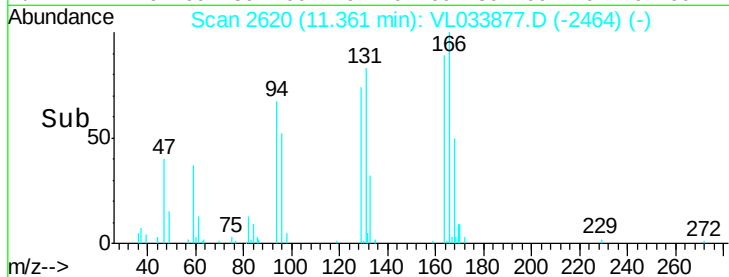
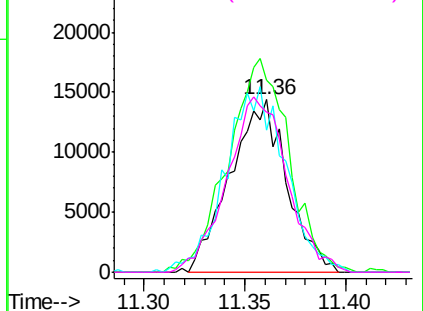


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.290 ppbv

RT: 9.93 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL033877.D

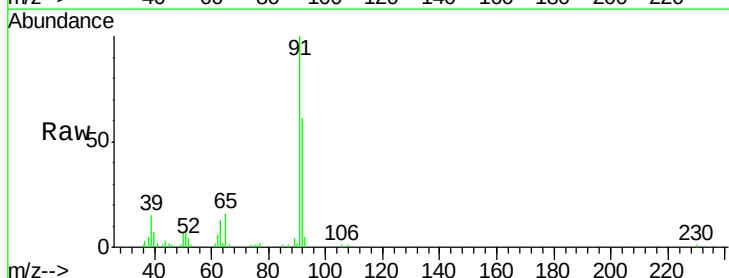
Acq: 7 Jun 2019 3:59

Tgt Ion: 91 Resp: 64446

Ion Ratio Lower Upper

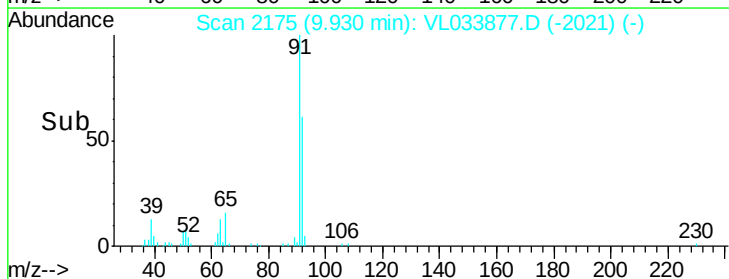
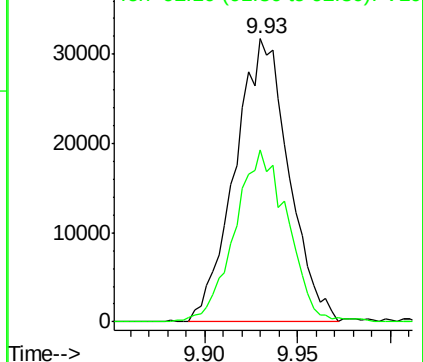
91 100

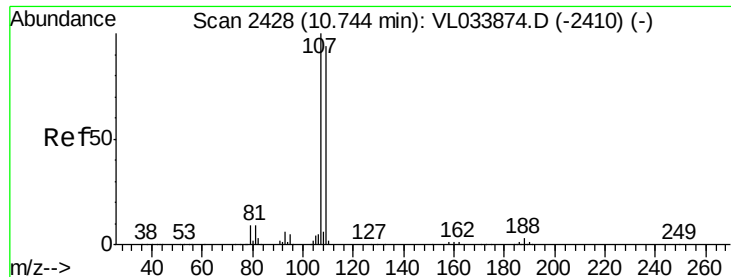
92 59.5 47.0 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.380 ppbv

RT: 10.74 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

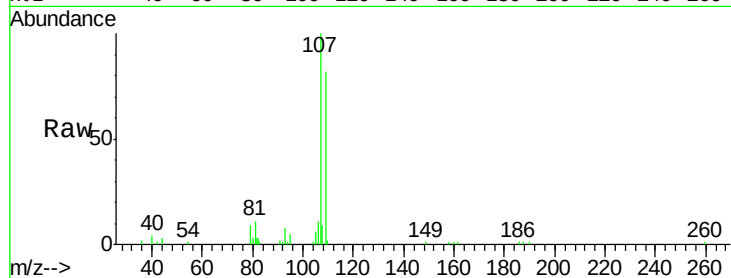
ClientSampled :

Tot Ion:107 Resp: 50854

Ion Ratio Lower Upper

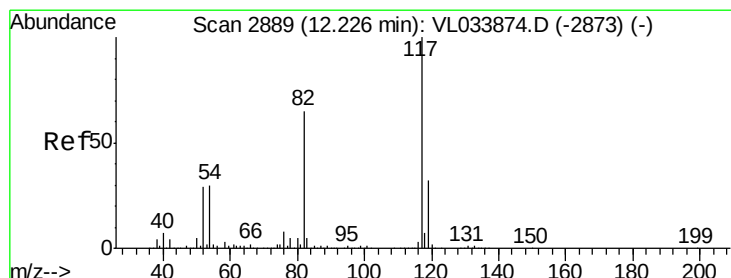
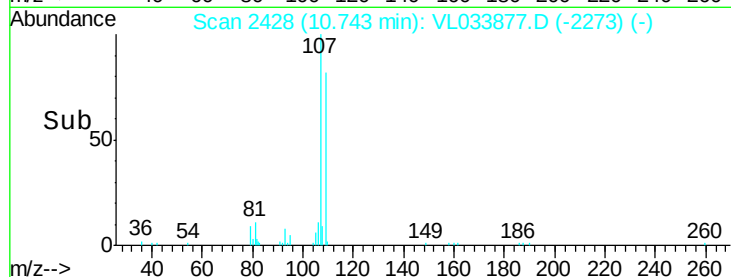
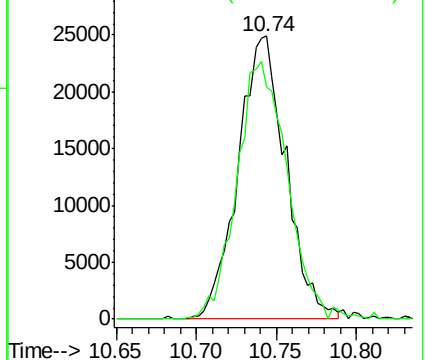
107 100

109 83.0 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.22 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

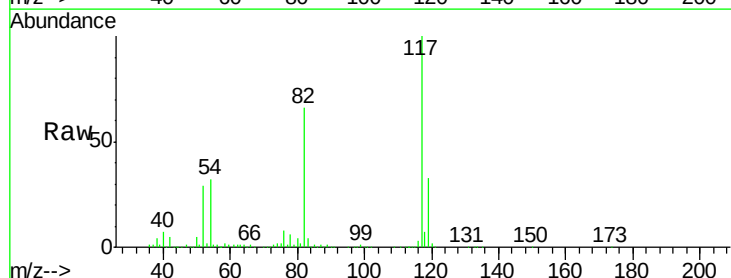
Tgt Ion:117 Resp: 2193346

Ion Ratio Lower Upper

117 100

82 67.2 50.2 75.2

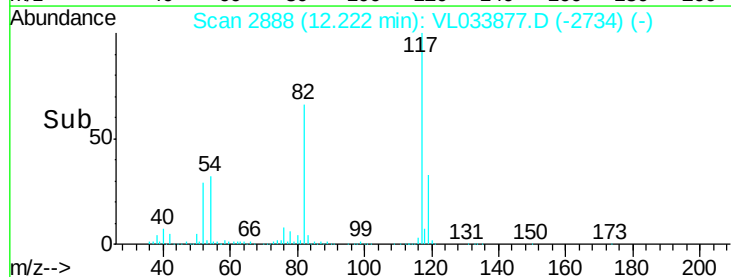
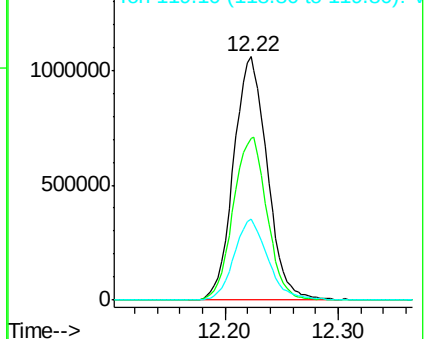
119 33.5 24.8 37.2

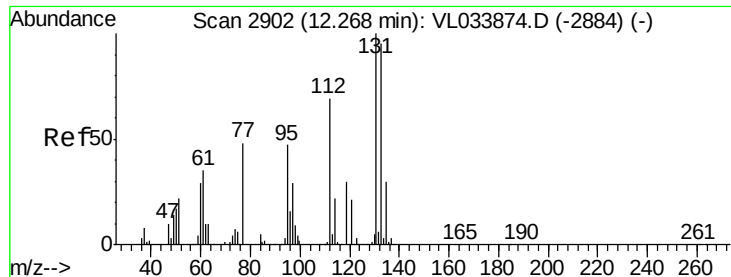


Abundance Ion 117.10 (116.80 to 117.80): V

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: 0.484 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

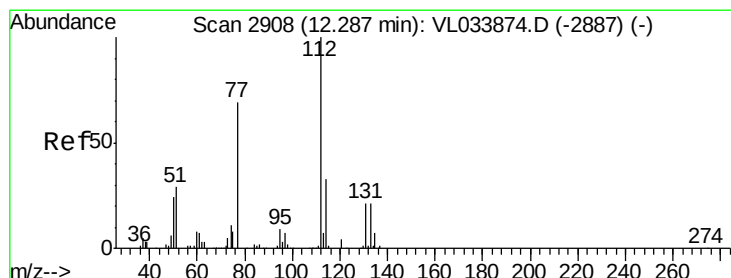
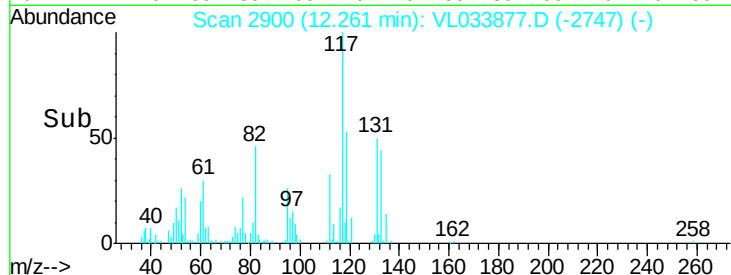
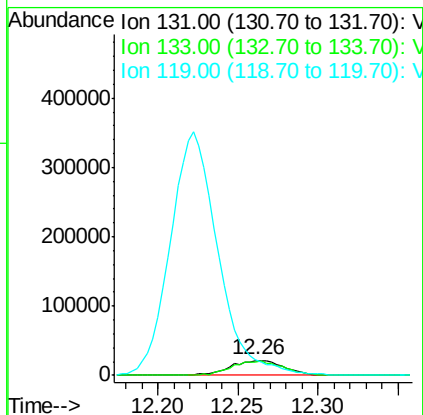
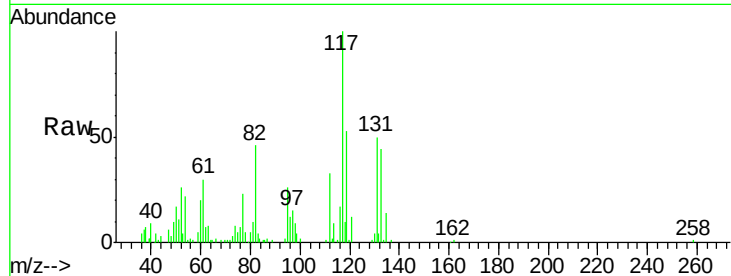
Tot Ion:131 Resp: 48737

Ion Ratio Lower Upper

131 100

133 93.3 76.5 114.7

119 1507.2 42.6 64.0#



#57

Chlorobenzene

Concen: 0.468 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

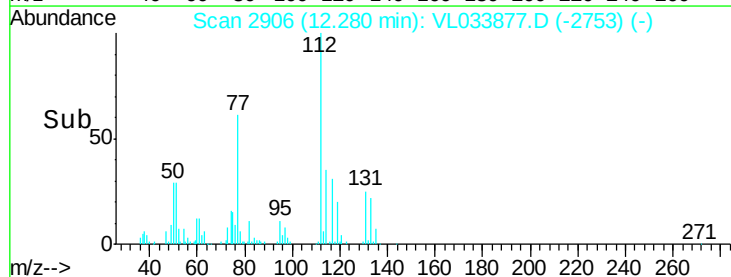
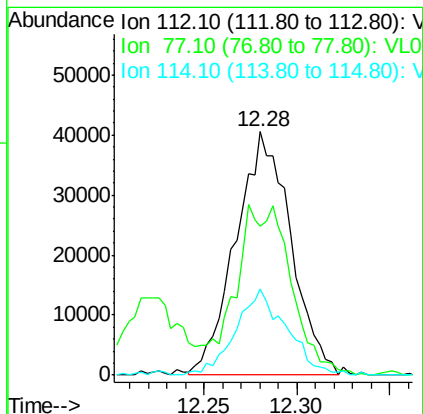
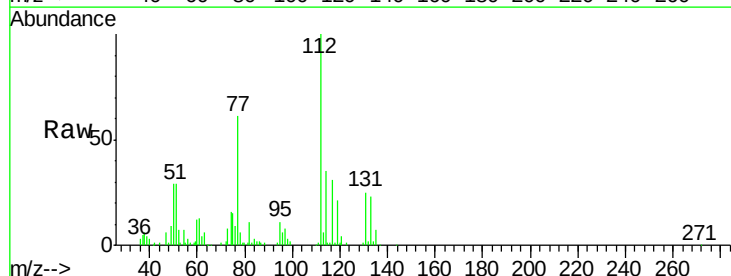
Tgt Ion:112 Resp: 83535

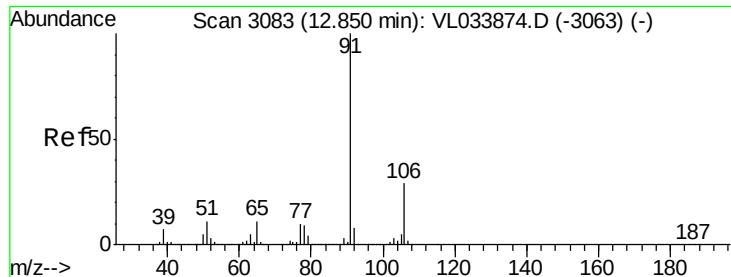
Ion Ratio Lower Upper

112 100

77 58.9 55.8 83.6

114 35.5 29.8 36.4





#58

Ethyl Benzene

Concen: 0.301 ppbv

RT: 12.85 min Scan# 3083

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

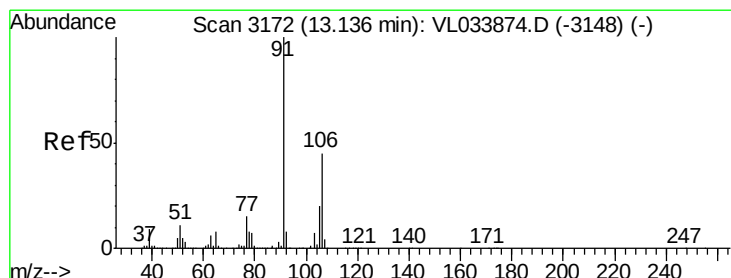
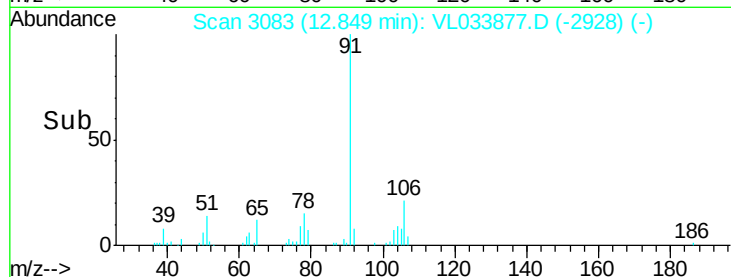
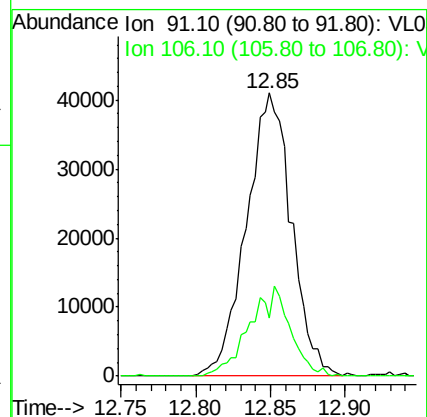
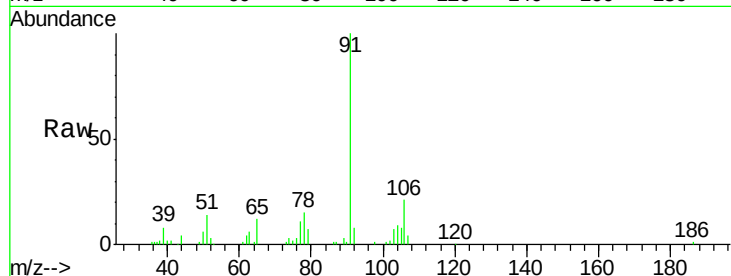
ClientSampleId :

Tot Ion: 91 Resp: 85865

Ion Ratio Lower Upper

91 100

106 20.7 23.0 34.6#



#59

m/p-Xylene

Concen: 0.237 ppbv

RT: 13.14 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VL033877.D

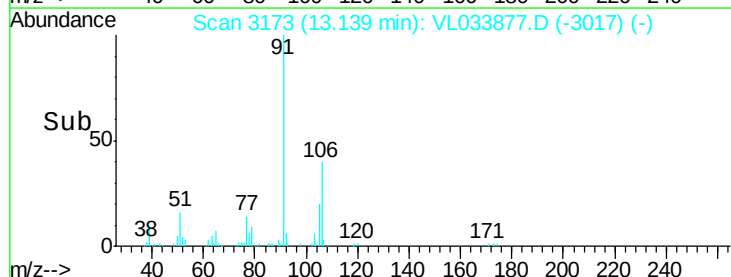
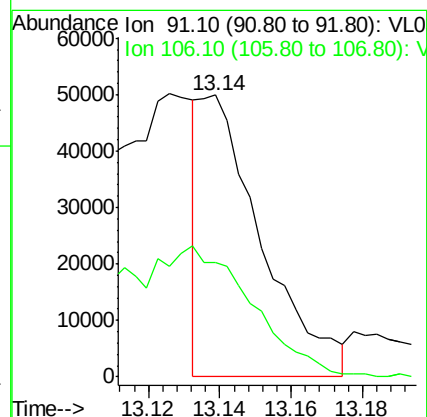
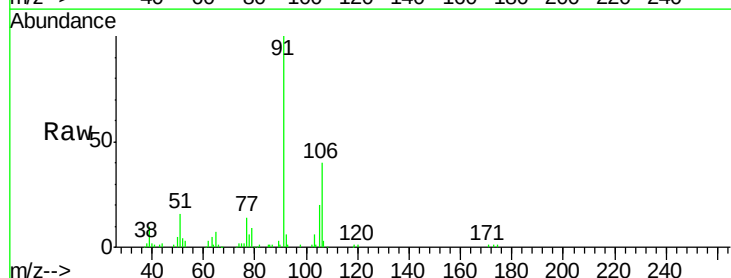
Acq: 7 Jun 2019 3:59

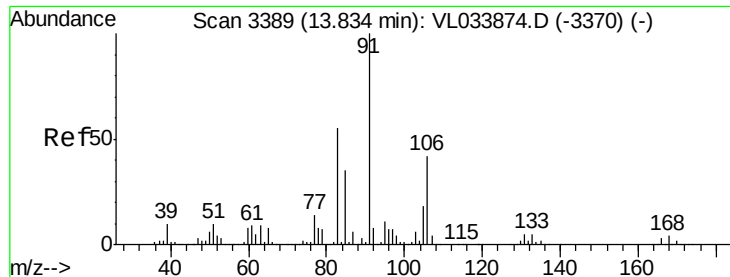
Tgt Ion: 91 Resp: 59466

Ion Ratio Lower Upper

91 100

106 129.2 35.8 53.8#

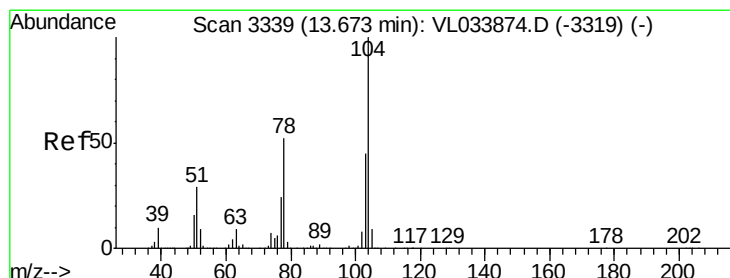
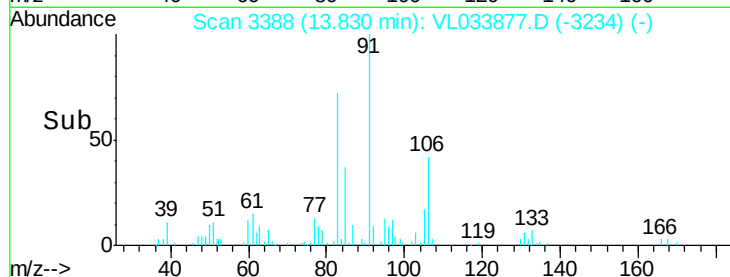
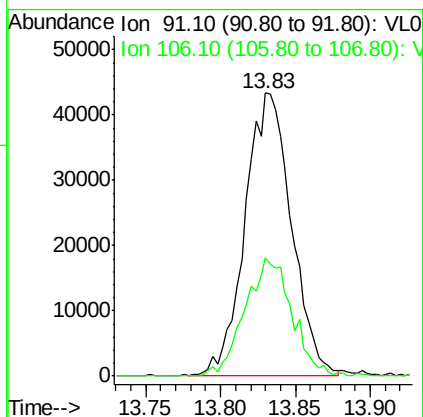
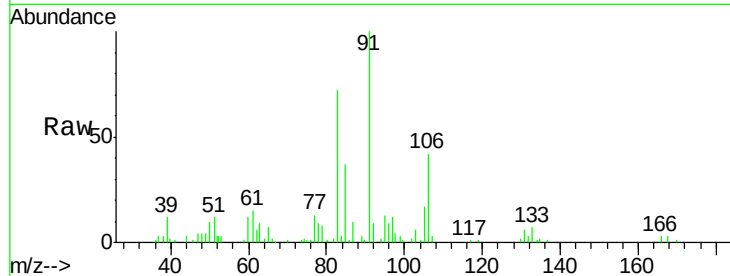




#60
o-Xylene
Concen: 0.367 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

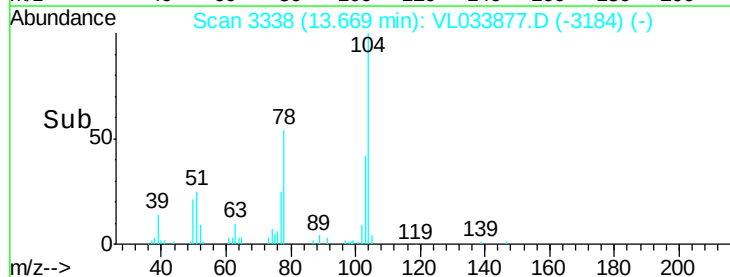
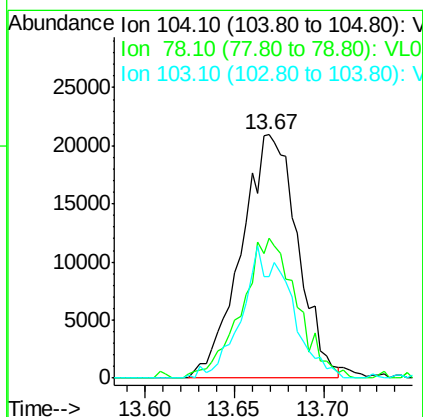
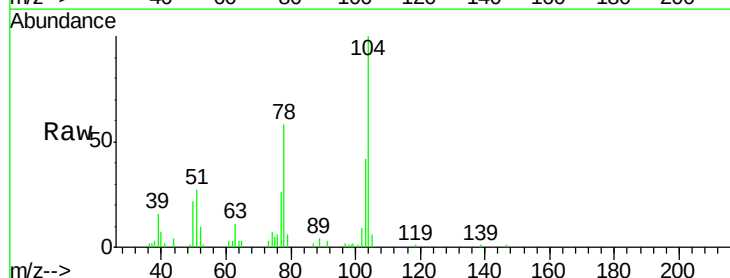
Instrument :
MSVOA_L
ClientSampled :

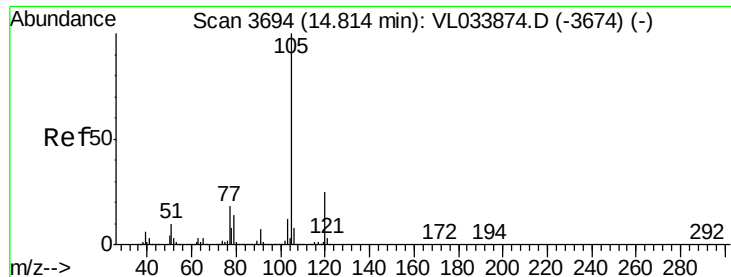
Tot Ion: 91 Resp: 93682
Ion Ratio Lower Upper
91 100
106 42.5 21.7 65.1



#61
Styrene
Concen: 0.273 ppbv
RT: 13.67 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 104 Resp: 46408
Ion Ratio Lower Upper
104 100
78 56.6 43.4 65.0
103 47.0 37.6 56.4





#62

Isopropylbenzene

Concen: 0.383 ppbv

RT: 14.81 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

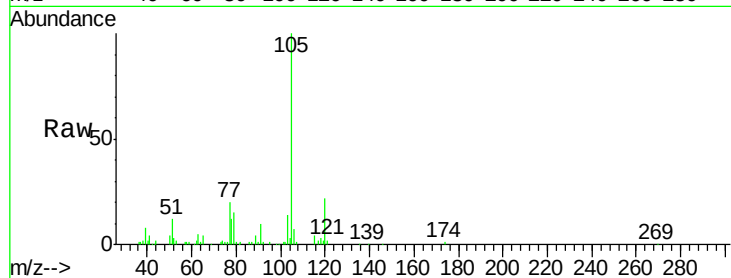
ClientSampleId :

Tot Ion:105 Resp: 131405

Ion Ratio Lower Upper

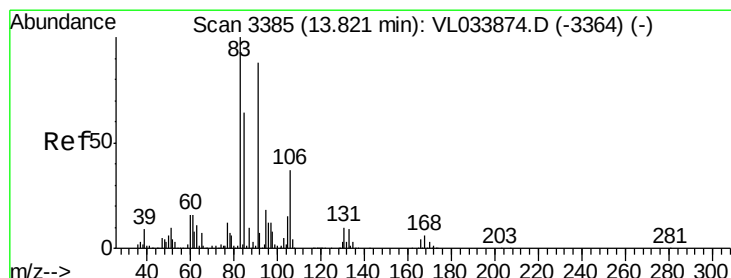
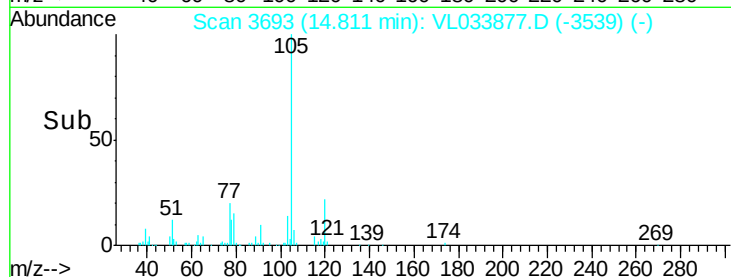
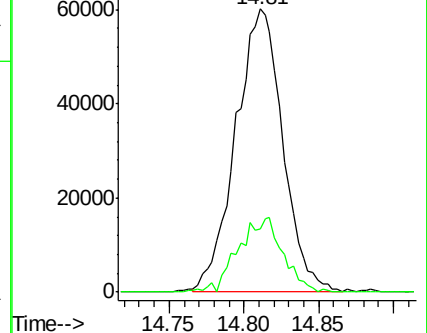
105 100

120 25.0 20.3 30.5



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: 0.493 ppbv

RT: 13.81 min Scan# 3383

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

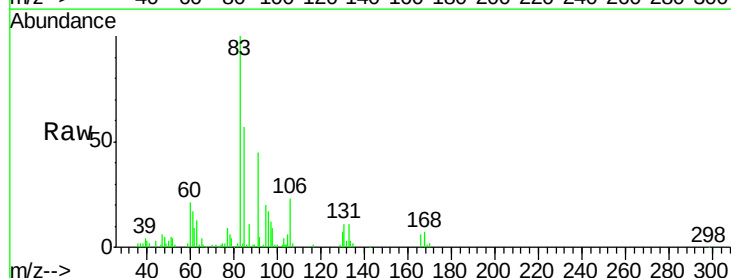
Tgt Ion: 83 Resp: 92027

Ion Ratio Lower Upper

83 100

131 11.0 4.8 14.4

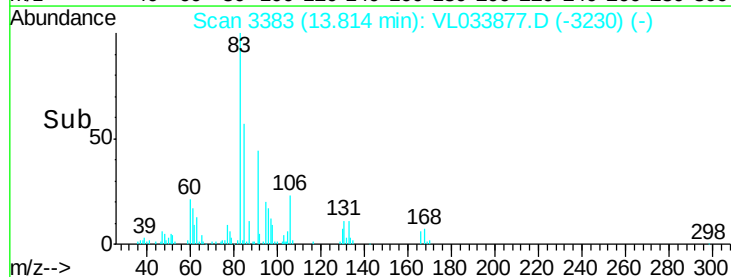
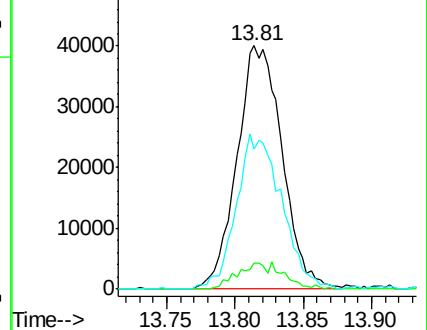
85 64.1 32.1 96.3

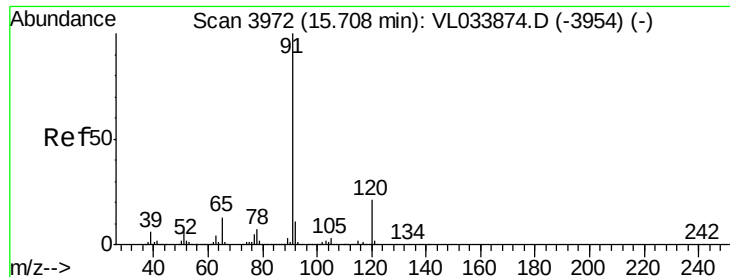


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

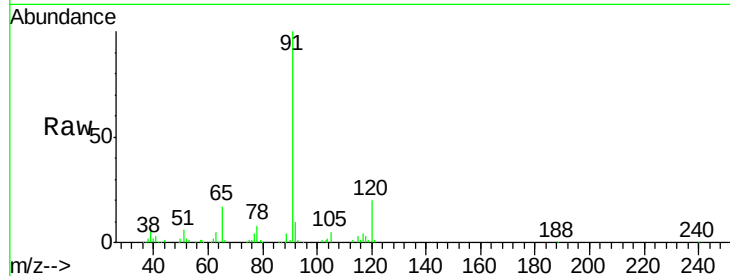




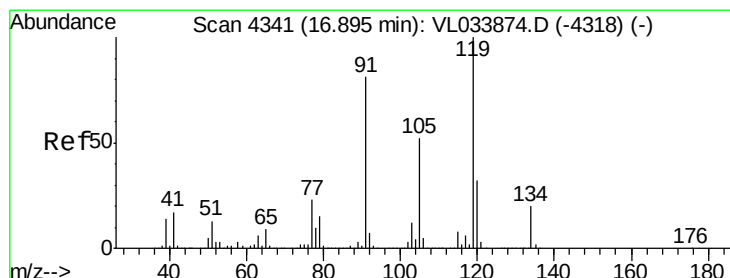
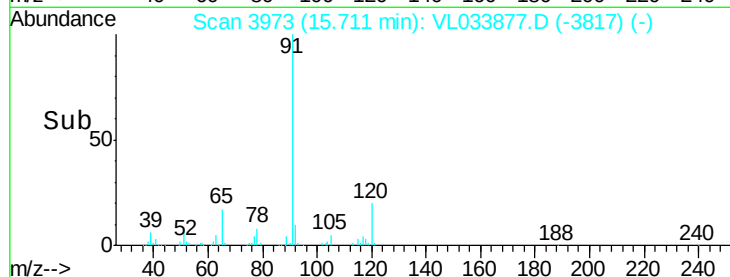
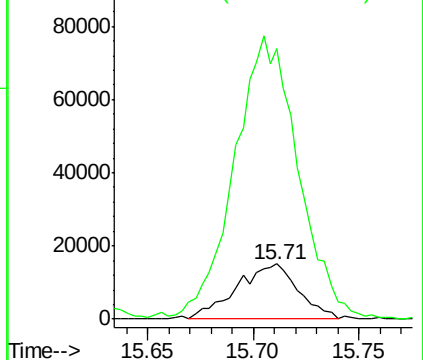
#64
n-propylbenzene
Concen: 0.344 ppbv
RT: 15.71 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:120 Resp: 30503
Ion Ratio Lower Upper
120 100
91 536.6 387.0 580.6

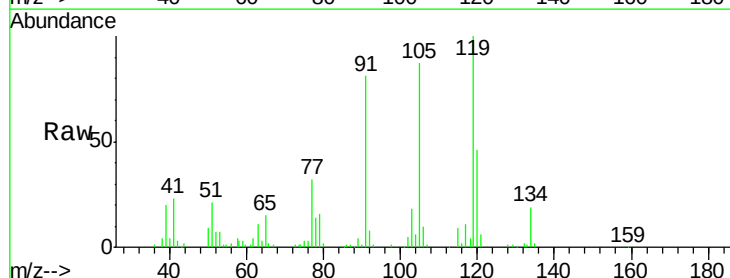


Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

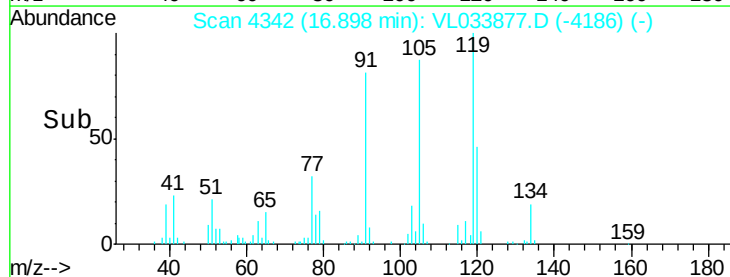
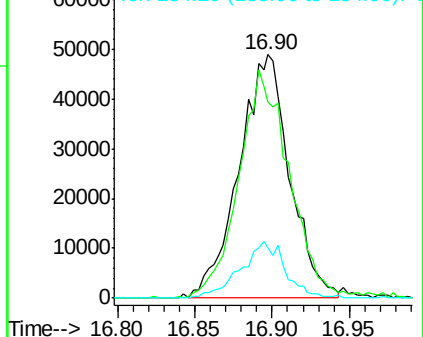


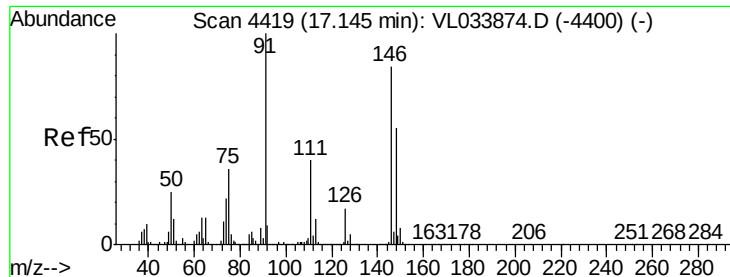
#65
tert-Butylbenzene
Concen: 0.357 ppbv
RT: 16.90 min Scan# 4342
Delta R.T. 0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion:119 Resp: 111882
Ion Ratio Lower Upper
119 100
91 94.0 66.6 100.0
134 20.5 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

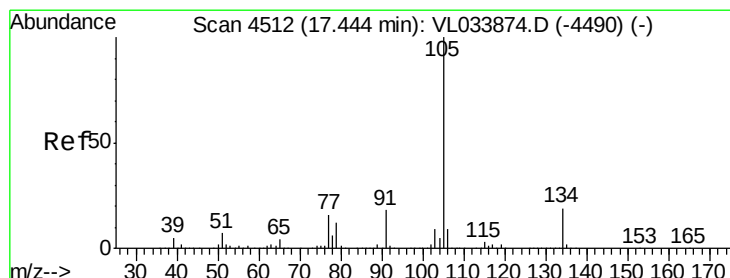
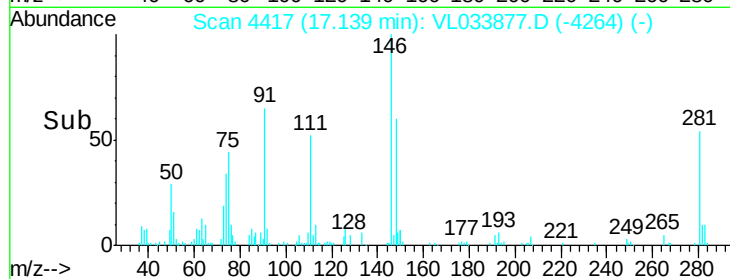
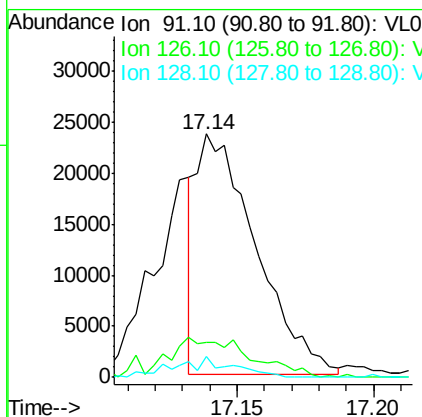
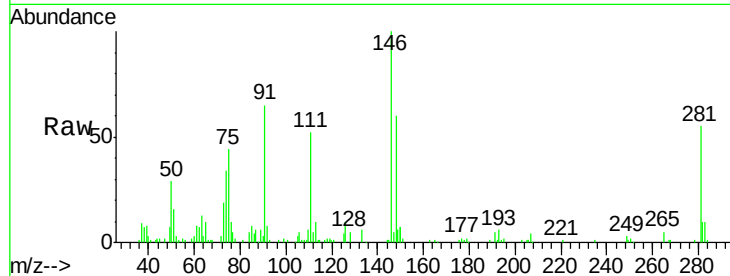




#66
Benzyl Chloride
Concen: 0.237 ppbv
RT: 17.14 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

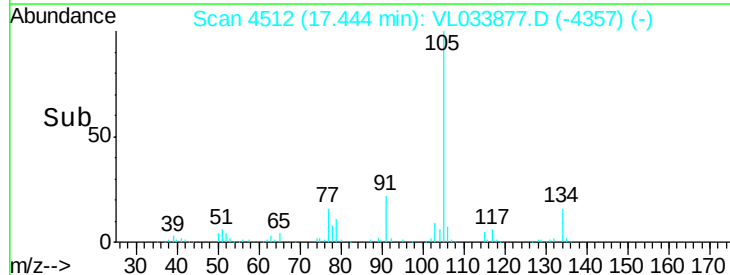
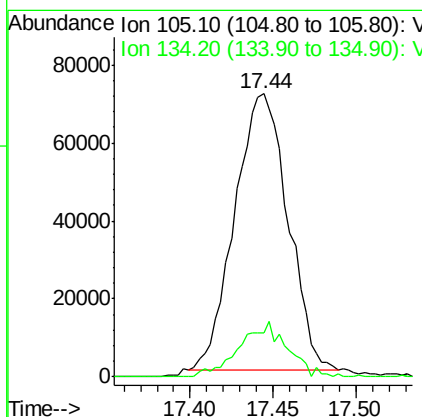
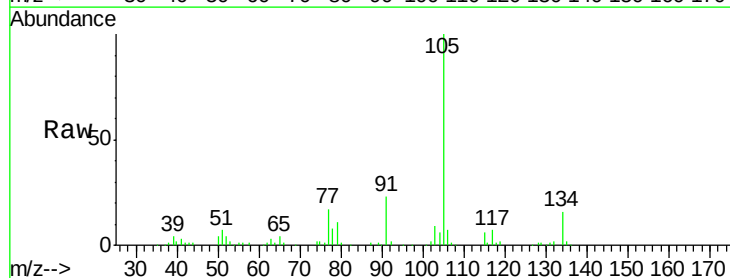
Instrument :
MSVOA_L
ClientSampleId :

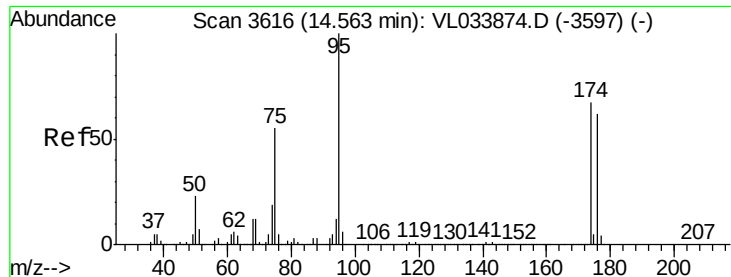
Tot Ion: 91 Resp: 35487
Ion Ratio Lower Upper
91 100
126 24.7 13.8 20.6#
128 8.4 4.4 6.6#



#67
sec-Butylbenzene
Concen: 0.360 ppbv
RT: 17.44 min Scan# 4512
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 105 Resp: 158012
Ion Ratio Lower Upper
105 100
134 18.0 14.6 22.0

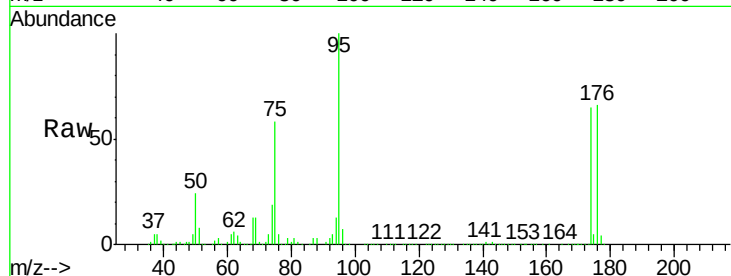




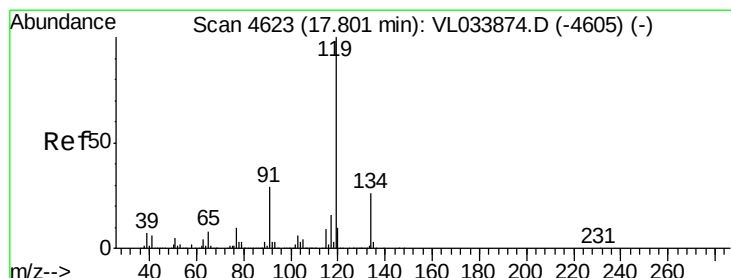
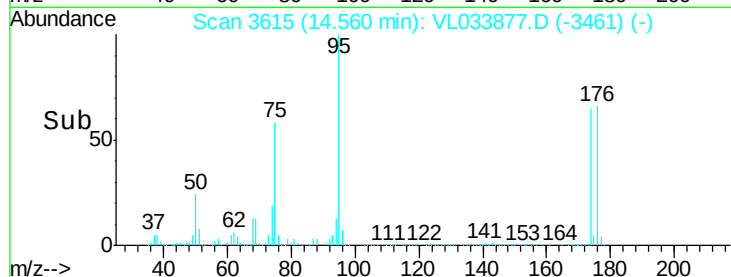
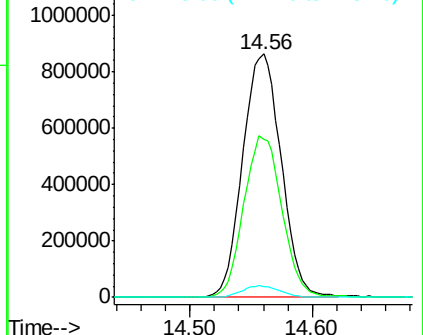
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.608 ppbv
 RT: 14.56 min Scan# 3615
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 1882418
 Ion Ratio Lower Upper
 95 100
 174 66.1 54.0 81.0
 175 4.7 3.8 5.8

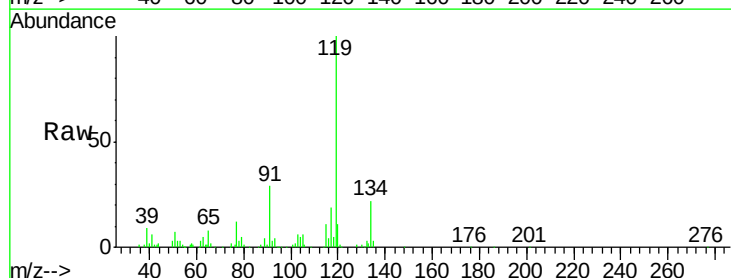


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

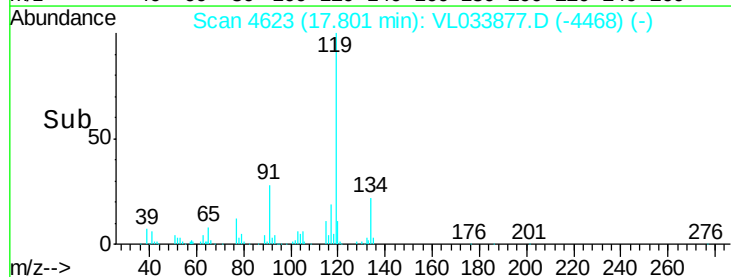
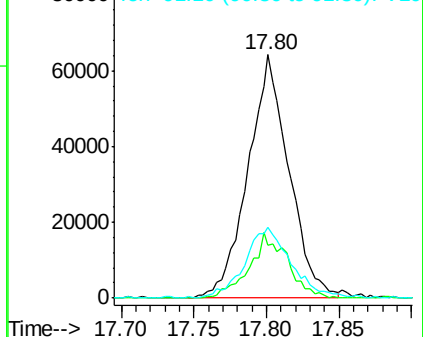


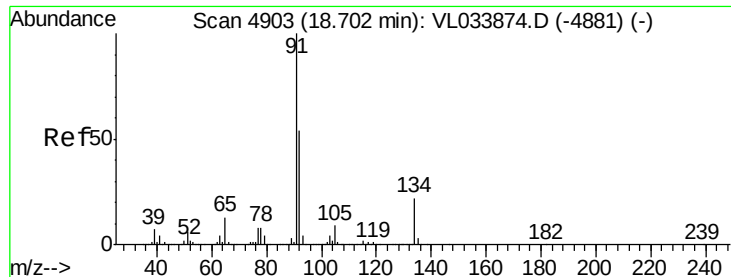
#69
 p-Isopropyltoluene
 Concen: 0.348 ppbv
 RT: 17.80 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL033877.D
 Acq: 7 Jun 2019 3:59

Tgt Ion: 119 Resp: 126335
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.3 30.5
 91 33.3 23.8 35.6



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): VL0

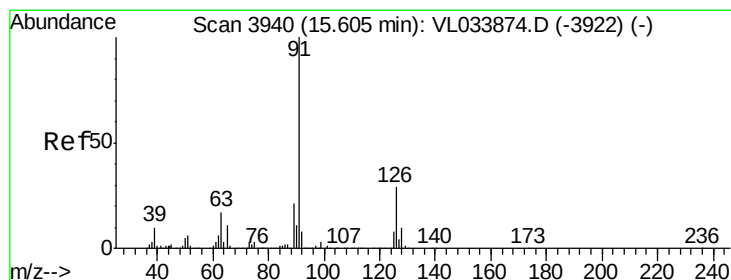
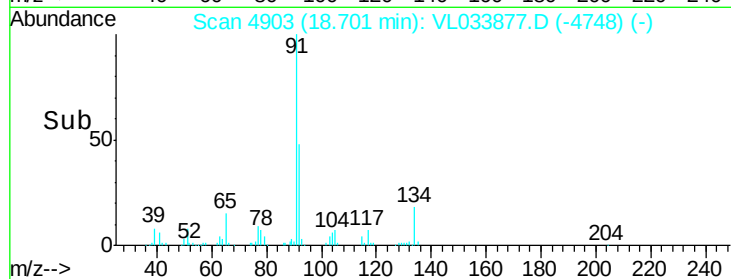
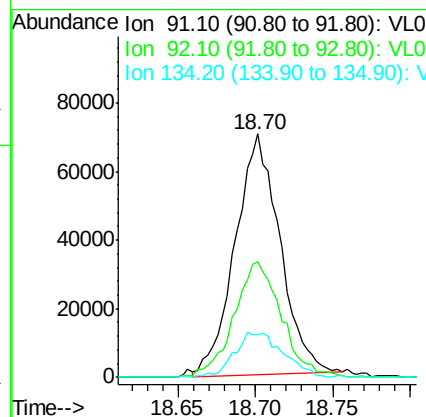
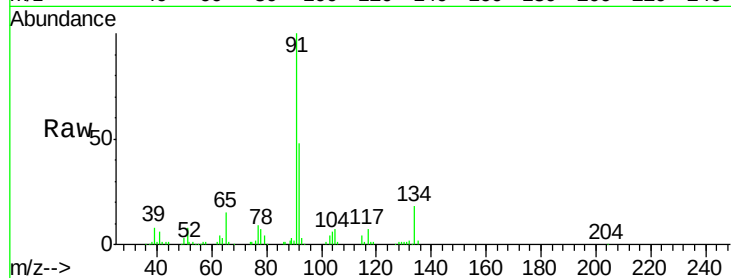




#70
n-Butylbenzene
Concen: 0.362 ppbv
RT: 18.70 min Scan# 4903
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

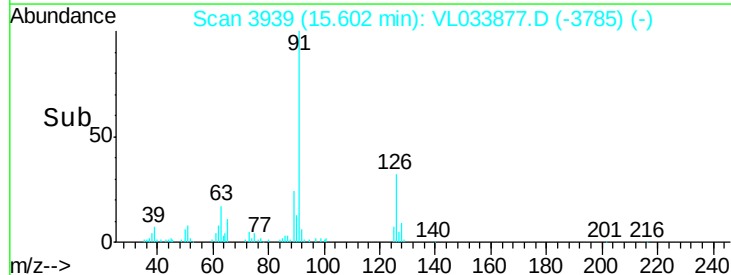
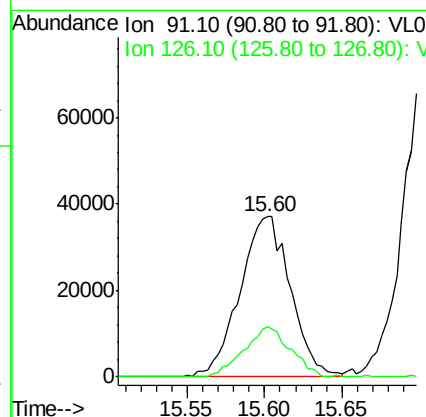
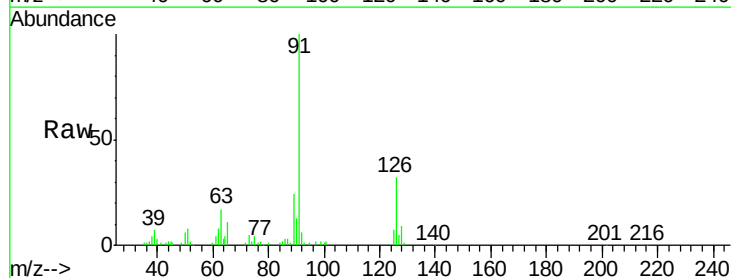
Instrument :
MSVOA_L
ClientSampleId :

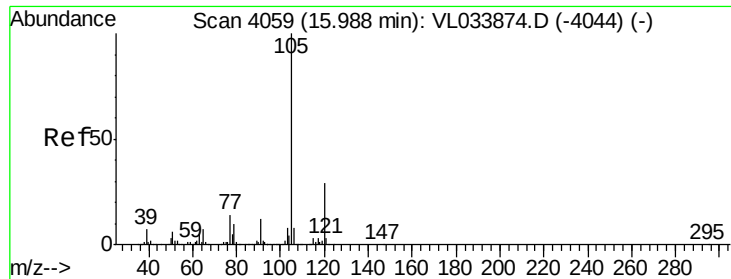
Tot Ion: 91 Resp: 141461
Ion Ratio Lower Upper
91 100
92 50.9 42.5 63.7
134 20.7 17.8 26.6



#71
2-Chlorotoluene
Concen: 0.332 ppbv
RT: 15.60 min Scan# 3939
Delta R.T. -0.00 min
Lab File: VL033877.D
Acq: 7 Jun 2019 3:59

Tgt Ion: 91 Resp: 84365
Ion Ratio Lower Upper
91 100
126 28.6 12.0 48.2





#72

4-Ethyltoluene

Concen: 0.324 ppbv

RT: 15.99 min Scan# 4059

Delta R.T. -0.00 min

Lab File: VL033877.D

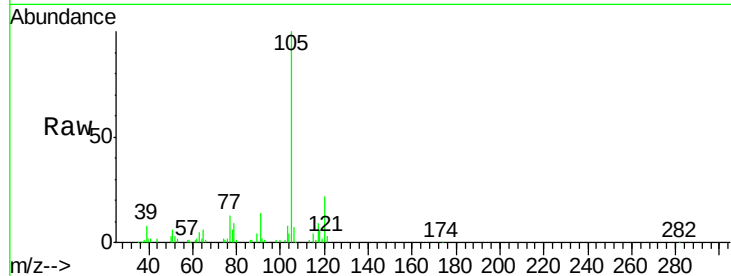
Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	94279
Ion Ratio	Lower	Upper
105	100	
120	28.3	23.5 35.3
91	17.6	10.4 15.6
77	15.9	11.7 17.5

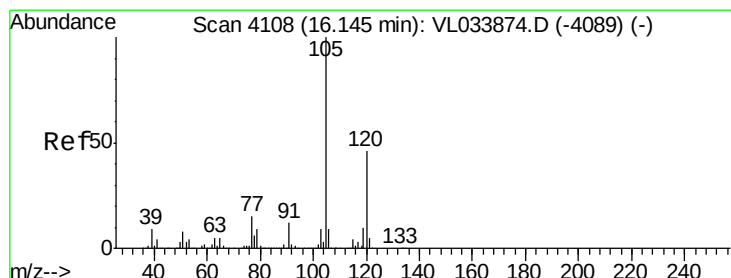
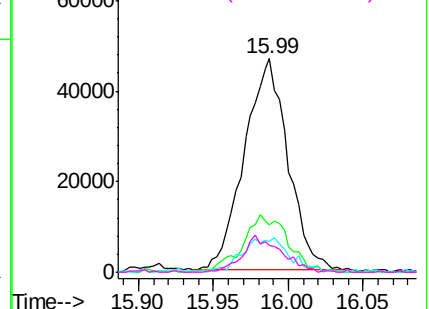
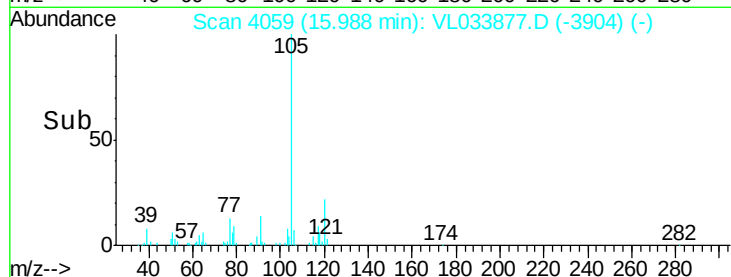


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.354 ppbv

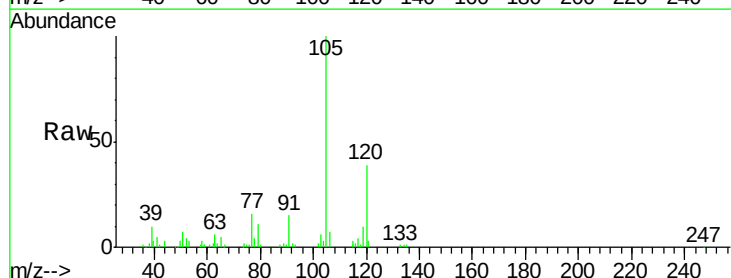
RT: 16.14 min Scan# 4107

Delta R.T. -0.00 min

Lab File: VL033877.D

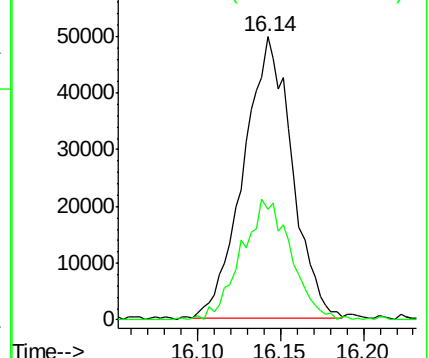
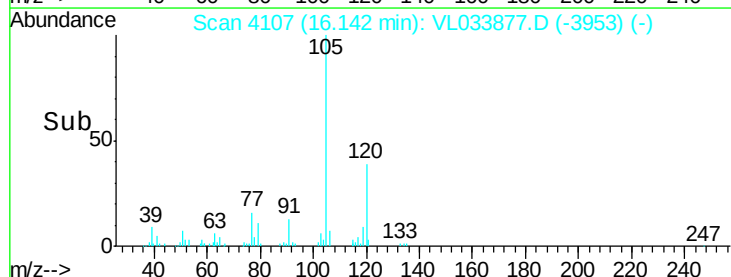
Acq: 7 Jun 2019 3:59

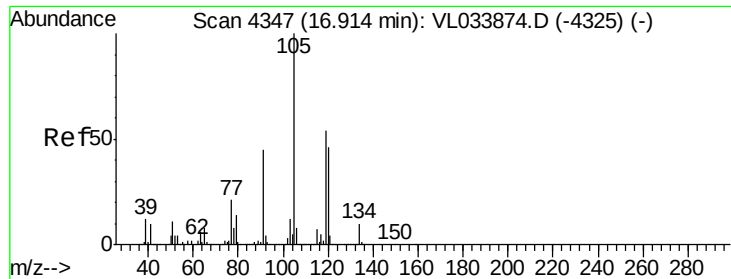
Tgt Ion:105	Resp:	100877
Ion Ratio	Lower	Upper
105	100	
120	42.1	37.1 55.7



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: 0.425 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 132006

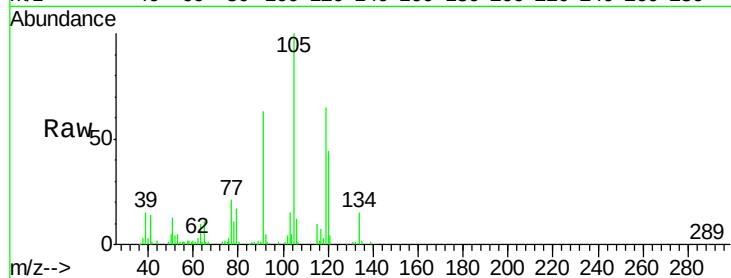
Ion Ratio Lower Upper

105 100

120 47.1 36.7 55.1

91 62.1 35.8 53.8#

77 21.0 16.9 25.3

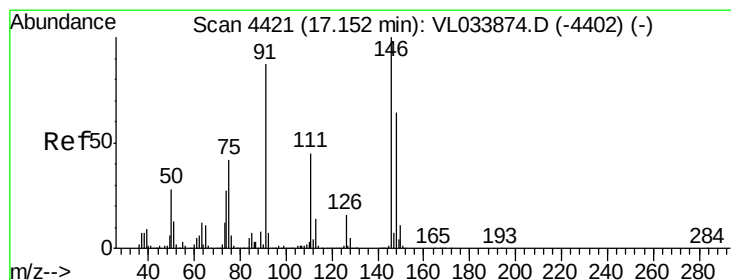
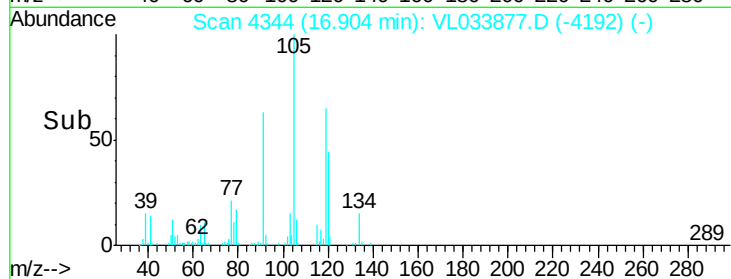
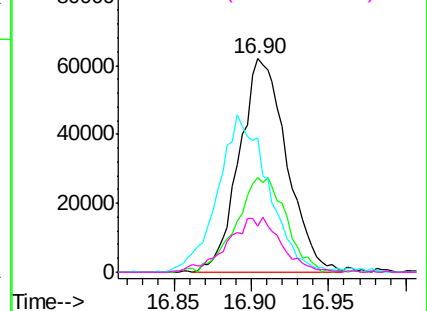


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.501 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

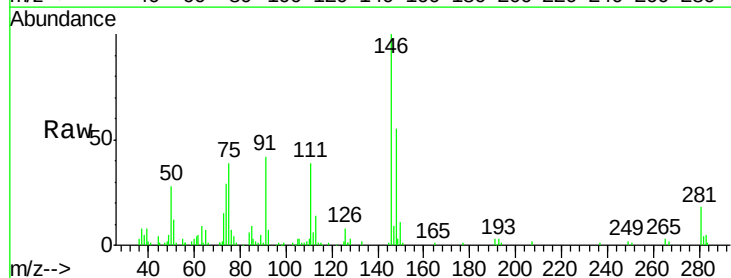
Tgt Ion:146 Resp: 95599

Ion Ratio Lower Upper

146 100

111 48.0 22.8 68.3

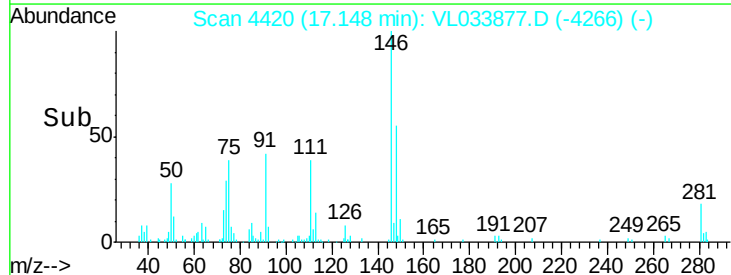
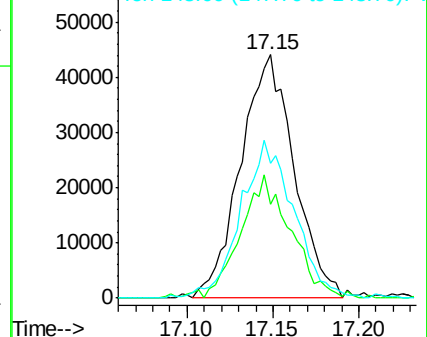
148 64.7 32.2 96.6

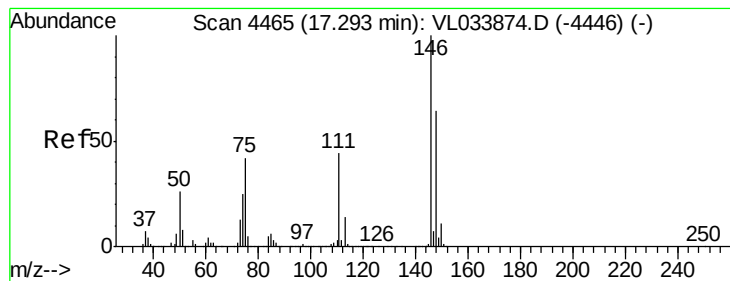


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.414 ppbv

RT: 17.29 min Scan# 4464

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampled :

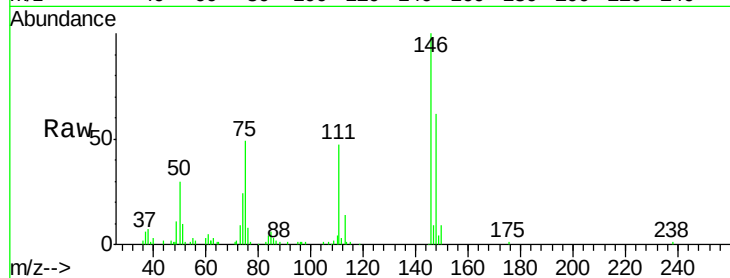
Tot Ion:146 Resp: 74883

Ion Ratio Lower Upper

146 100

111 47.9 22.1 66.5

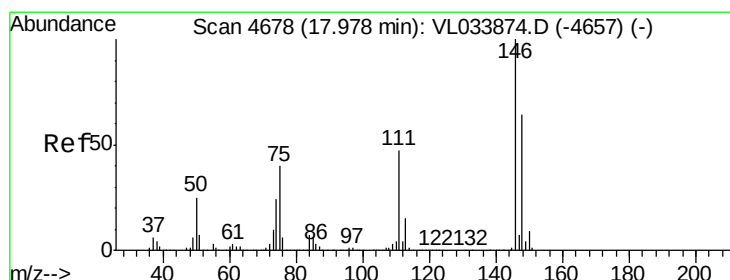
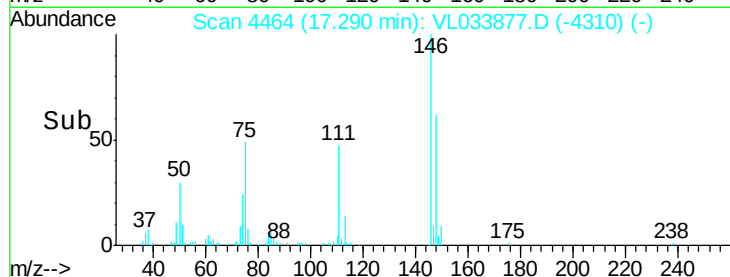
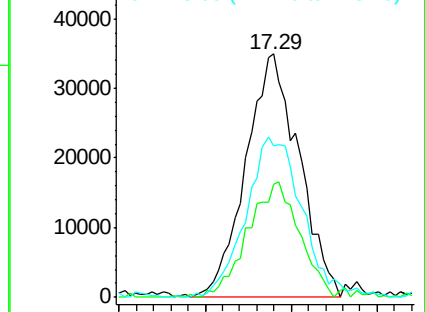
148 70.3 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.240 ppbv

RT: 17.97 min Scan# 4677

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

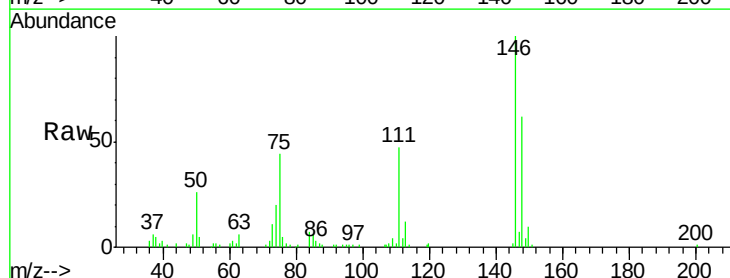
Tgt Ion:146 Resp: 43159

Ion Ratio Lower Upper

146 100

111 95.0 23.4 70.0#

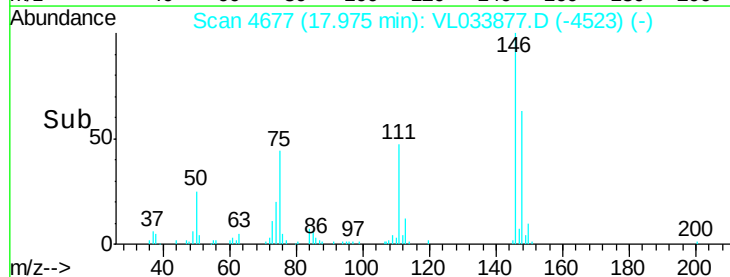
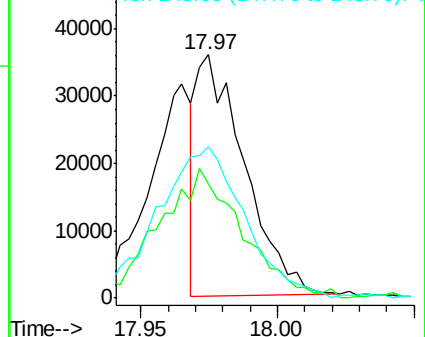
148 118.1 31.8 95.4#

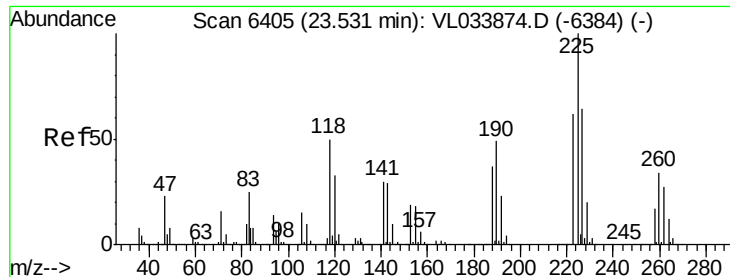


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.560 ppbv

RT: 23.53 min Scan# 6404

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampleId :

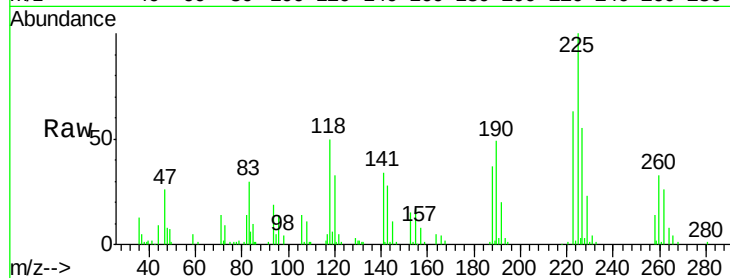
Tot Ion:225 Resp: 75276

Ion Ratio Lower Upper

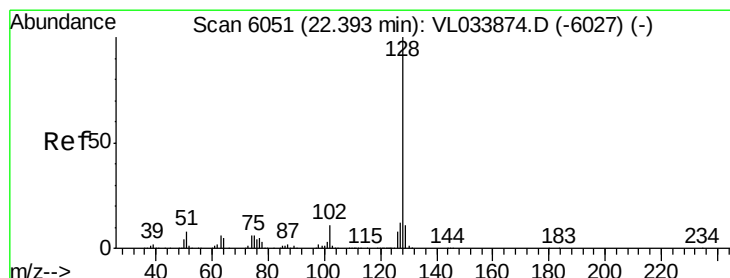
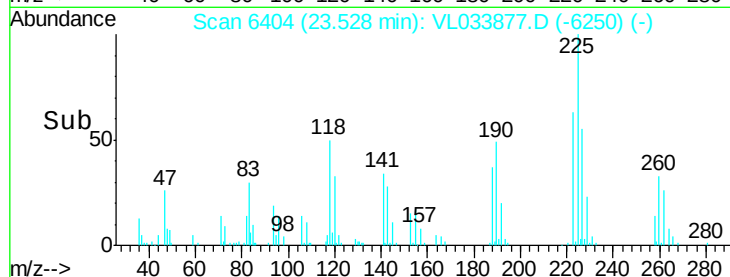
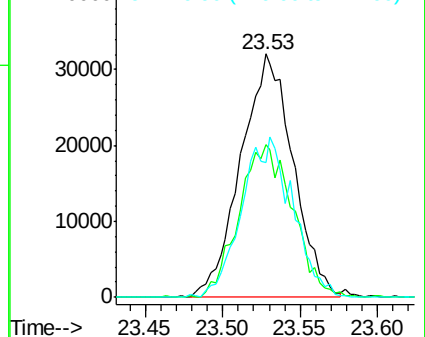
225 100

223 64.9 50.8 76.2

227 64.2 51.8 77.6



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: 0.290 ppbv

RT: 22.39 min Scan# 6051

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

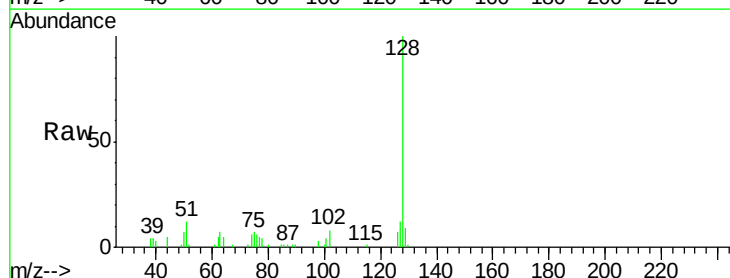
Tgt Ion:128 Resp: 80821

Ion Ratio Lower Upper

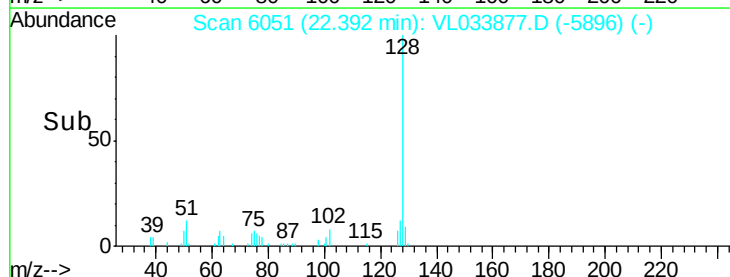
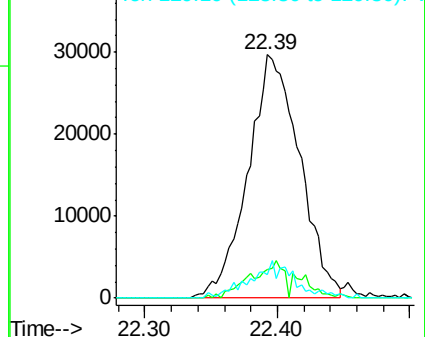
128 100

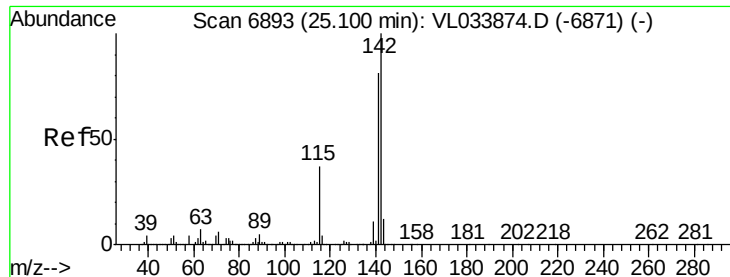
127 12.0 9.7 14.5

129 9.5 8.6 12.8



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: 0.416 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. 0.01 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

Instrument :

MSVOA_L

ClientSampled :

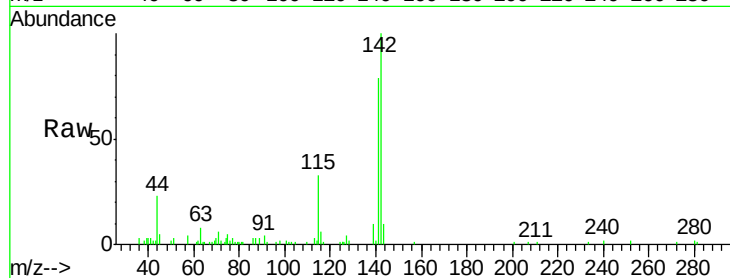
Tot Ion:142 Resp: 41745

Ion Ratio Lower Upper

142 100

141 84.4 65.7 98.5

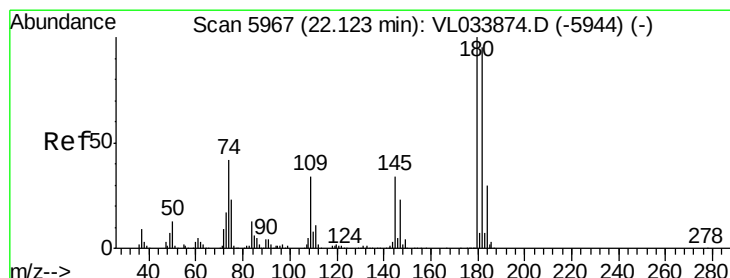
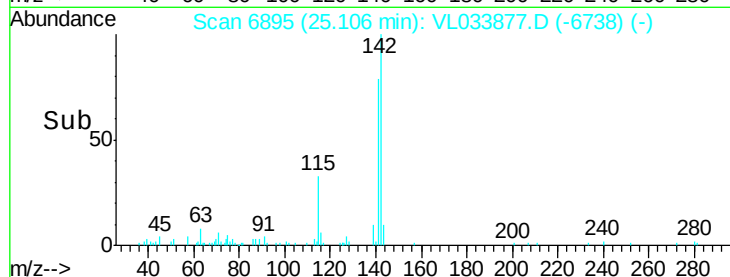
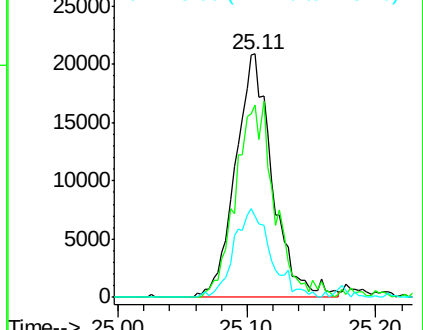
115 38.3 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.207 ppbv

RT: 22.12 min Scan# 5966

Delta R.T. -0.00 min

Lab File: VL033877.D

Acq: 7 Jun 2019 3:59

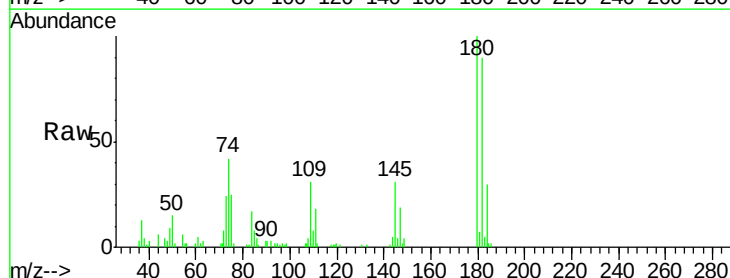
Tgt Ion:180 Resp: 34420

Ion Ratio Lower Upper

180 100

182 0.0 76.9 115.3#

184 0.0 24.5 36.7#



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

