

Data File : VL033601.D
Acq On : 17 Apr 2019 14:20
Operator : SY/AP
Sample : VL0417ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Quant Time: Apr 18 05:37:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	851735	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2137910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2658793	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1750587	8.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1016766	8.185	ppbv	99
3) Chlorodifluoromethane	3.01	51	895518	9.133	ppbv	99
4) Chloromethane	3.17	50	483992	9.327	ppbv	99
5) Vinyl Chloride	3.29	62	479651	9.408	ppbv	96
6) Bromomethane	3.52	94	307732	9.392	ppbv	95
7) Chloroethane	3.60	64	181185	9.549	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1208851	9.133	ppbv	98
9) Propene	3.04	41	383586	9.315	ppbv	99
10) Heptane	8.25	43	988497	8.980	ppbv	99
11) Trichlorofluoromethane	4.00	101	1384994	9.047	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	943285	9.173	ppbv	99
13) Ethanol	3.65	45	99688	9.355	ppbv	66
14) Bromoethene	3.79	108	389370	9.494	ppbv	99
15) Acetone	3.90	43	892886	8.719	ppbv	98
16) 1,3-Butadiene	3.36	39	394664	9.716	ppbv	90
17) tert-Butyl alcohol	4.35	59	165418	8.785	ppbv	99
18) 1,1-Dichloroethene	4.35	96	416081	9.420	ppbv	95
19) Isopropyl Alcohol	4.02	45	564980	8.722	ppbv	# 98
20) Methylene Chloride	4.41	84	373217	8.585	ppbv	94
21) Allyl Chloride	4.48	41	615726	9.511	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	436124	9.464	ppbv	97
23) Vinyl Acetate	5.16	43	1373908	9.425	ppbv	99
24) 1,1-Dichloroethane	5.09	63	982870	8.877	ppbv	98
25) Ethyl Acetate	5.77	43	1623212	8.543	ppbv	99
26) Hexane	5.78	57	733610	8.683	ppbv	98
27) Carbon Disulfide	4.62	76	1047264	10.424	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1168908	9.606	ppbv	99
29) Chloroform	5.85	83	1258833	8.692	ppbv	98
30) Cyclohexane	7.25	84	645287	9.655	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	749452	8.922	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1295679	9.395	ppbv	99
34) 2-Butanone	5.33	43	1072087	8.347	ppbv	99
35) Carbon Tetrachloride	7.13	117	1397897	9.232	ppbv	99
36) Benzene	7.00	78	1611404	8.983	ppbv	95
37) 1,2-Dichloroethane	6.41	62	973137	8.093	ppbv	99
38) Trichloroethene	7.96	130	637883	9.449	ppbv	97
39) 1,2-Dichloropropane	7.74	63	588108	8.369	ppbv	99
40) 1,4-Dioxane	7.95	88	217828	8.691	ppbv	98
41) Tetrahydrofuran	6.15	42	620084	8.777	ppbv	98
42) Bromodichloromethane	7.92	83	1424014	8.695	ppbv	99
43) Methyl Methacrylate	8.14	69	641779	8.811	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2677163	8.540	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	891365	9.967	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1001798	9.593	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	684383	8.577	ppbv	99
48) Dibromochloromethane	10.45	129	1237978	9.198	ppbv	99
49) Bromoform	13.20	173	1142050	8.882	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1639233	8.715	ppbv	99
51) 2-Hexanone	10.27	43	1282115	9.138	ppbv #	100
52) Tetrachloroethene	11.37	164	620796	9.172	ppbv	97
53) Toluene	9.95	91	1915506	9.189	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1085345	8.696	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	878284	7.208	ppbv	98
57) Chlorobenzene	12.30	112	1455694	7.051	ppbv	98
58) Ethyl Benzene	12.86	91	2650971	7.466	ppbv	98
59) m/p-Xylene	13.15	91	1794673	5.659	ppbv #	100
60) o-Xylene	13.85	91	2249191	7.334	ppbv	99
61) Styrene	13.68	104	1675387	7.960	ppbv	99
62) Isopropylbenzene	14.82	105	3165172	7.288	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1582139	7.006	ppbv	99
64) n-propylbenzene	15.72	120	825160	7.488	ppbv	95
65) tert-Butylbenzene	16.91	119	2889686	7.551	ppbv	99
66) Benzyl Chloride	17.15	91	1638456	9.207	ppbv	99
67) sec-Butylbenzene	17.46	105	4069304	7.477	ppbv	100
69) p-Isopropyltoluene	17.81	119	3391280	7.653	ppbv	100
70) n-Butylbenzene	18.71	91	3545486	7.552	ppbv	100
71) 2-Chlorotoluene	15.61	91	2444693	7.403	ppbv	99
72) 4-Ethyltoluene	16.00	105	2630230	7.630	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2535711	7.687	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2638875	7.463	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1573624	7.201	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1575759	7.400	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1539870	7.426	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	921524	6.714	ppbv	100
79) Naphthalene	22.41	128	2625785	8.675	ppbv	100
80) Naphthalene,2-methyl-	25.11	142	1117519	11.001	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1349530	8.038	ppbv	99

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

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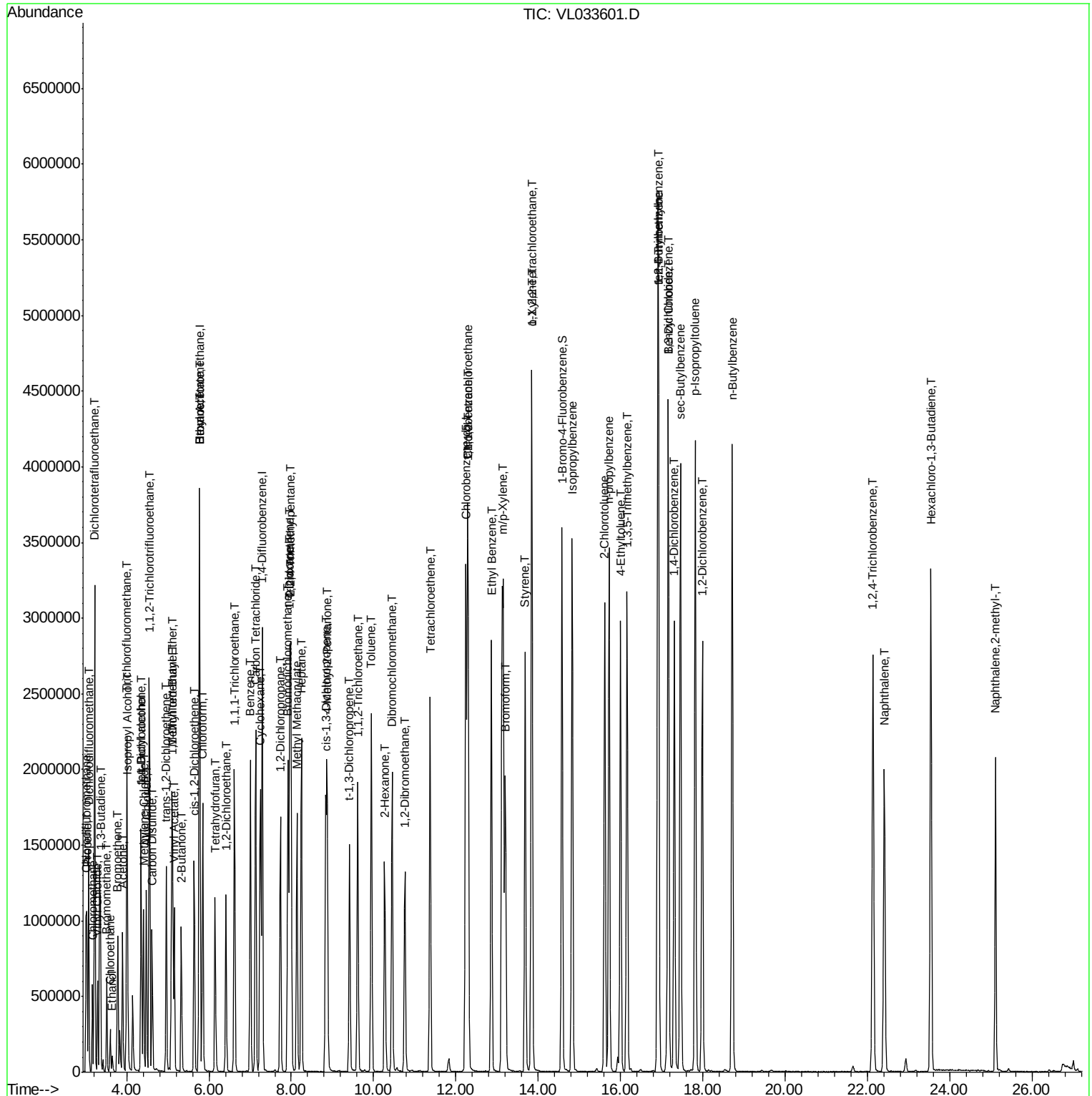
Quant Time: Apr 18 05:37:39 2019

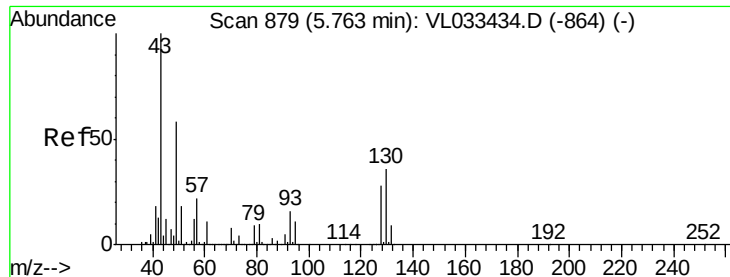
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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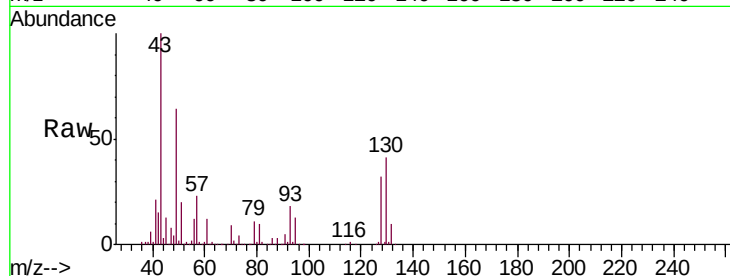
Tgt Ion: 49 Resp: 851735

Ion Ratio Lower Upper

49 100

128 49.4 24.0 72.0

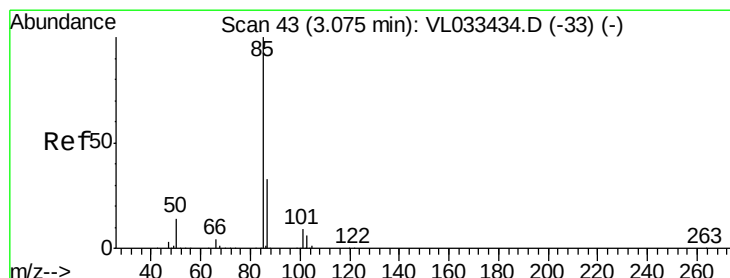
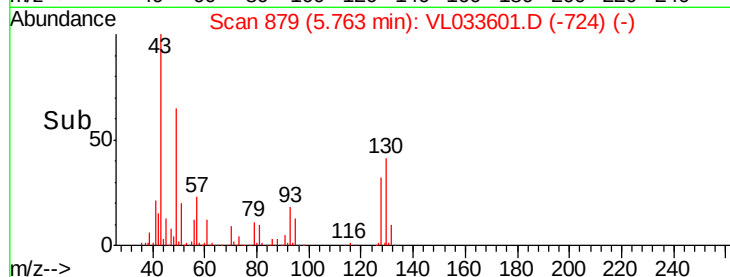
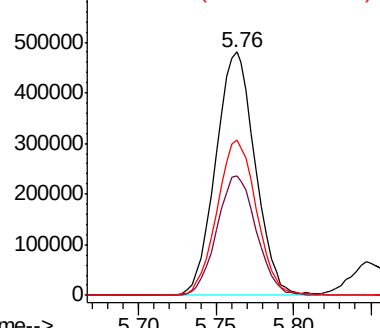
130 64.1 31.2 93.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.185 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033601.D

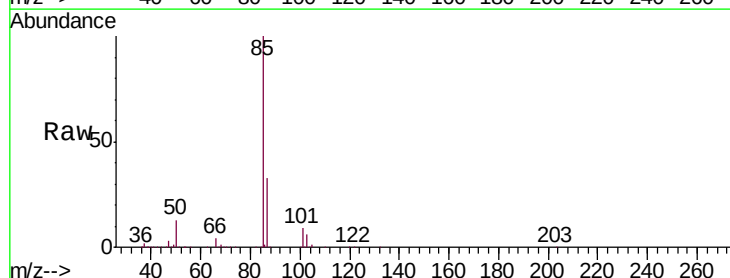
Acq: 17 Apr 2019 14:20

Tgt Ion: 85 Resp: 1016766

Ion Ratio Lower Upper

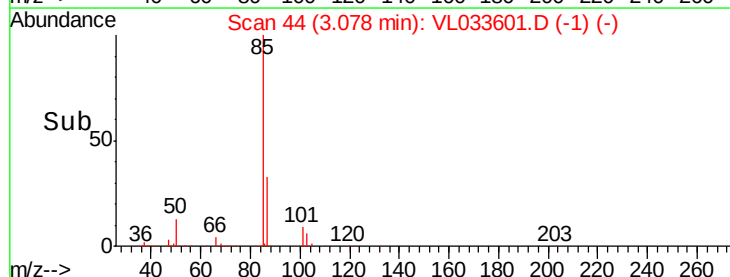
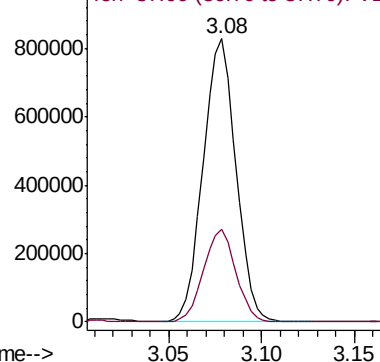
85 100

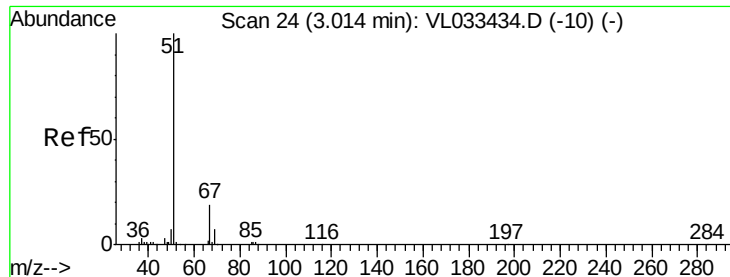
87 32.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.133 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

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Acq: 17 Apr 2019 14:20

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ClientSampleId :

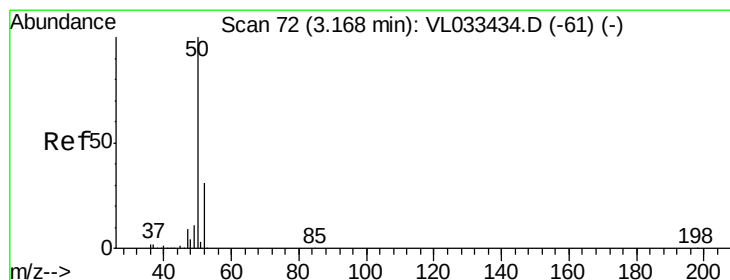
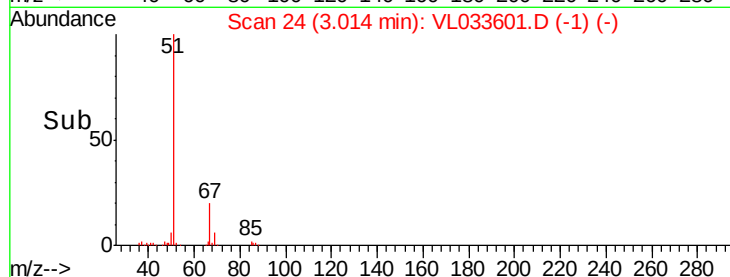
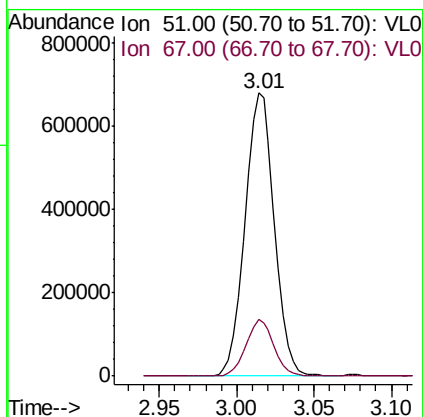
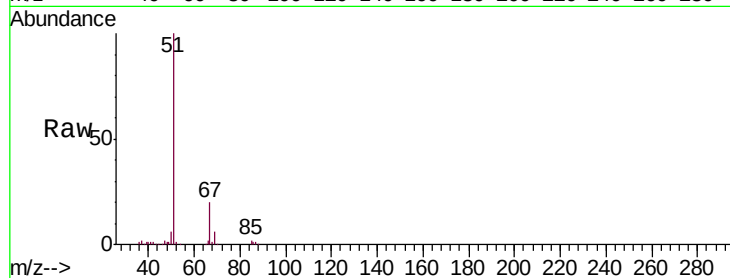
VL0417ABS01

Tgt Ion: 51 Resp: 895518

Ion Ratio Lower Upper

51 100

67 19.2 15.7 23.5



#4

Chloromethane

Concen: 9.327 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033601.D

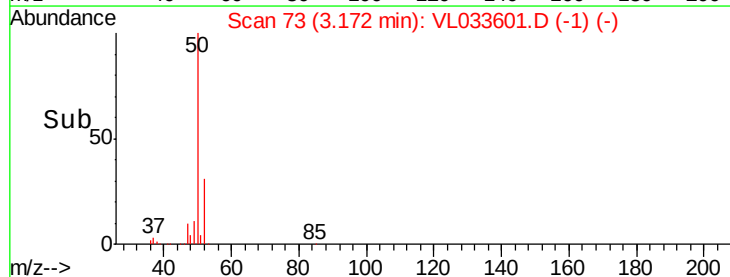
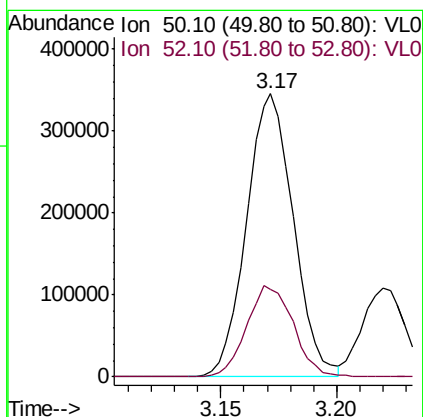
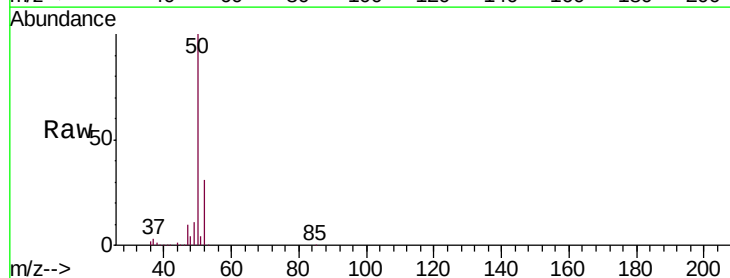
Acq: 17 Apr 2019 14:20

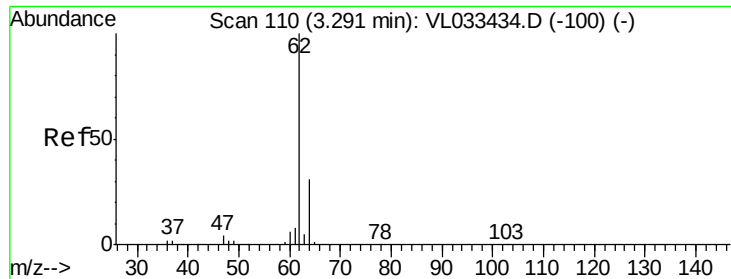
Tgt Ion: 50 Resp: 483992

Ion Ratio Lower Upper

50 100

52 30.8 25.0 37.6





#5

Vinyl Chloride

Concen: 9.408 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

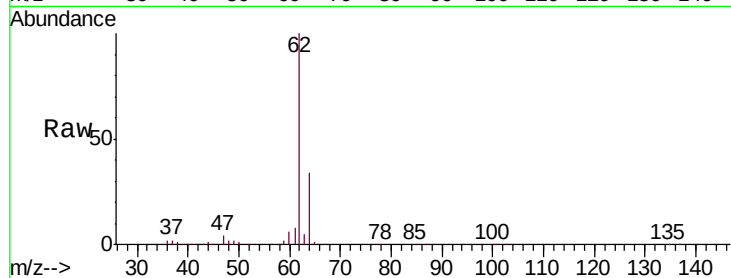
VL0417ABS01

Tgt Ion: 62 Resp: 479651

Ion Ratio Lower Upper

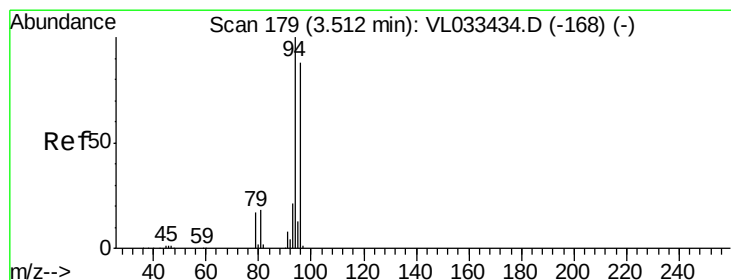
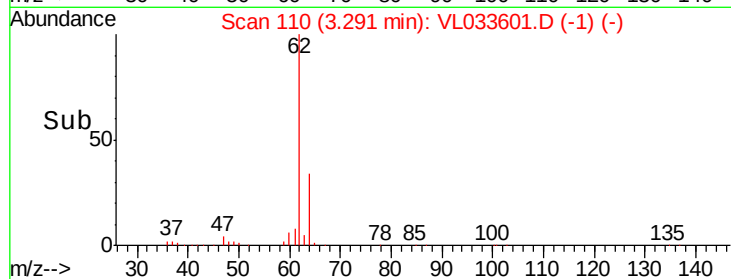
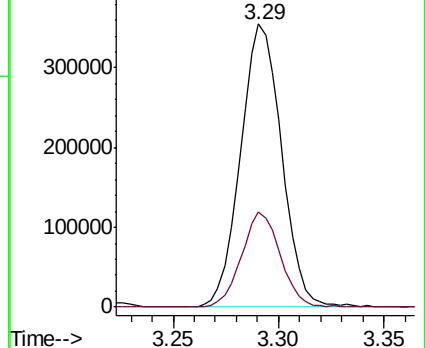
62 100

64 33.5 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.392 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033601.D

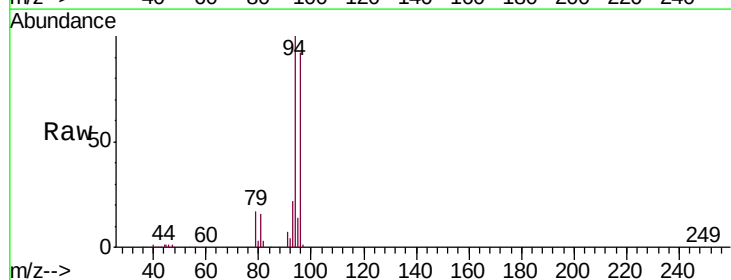
Acq: 17 Apr 2019 14:20

Tgt Ion: 94 Resp: 307732

Ion Ratio Lower Upper

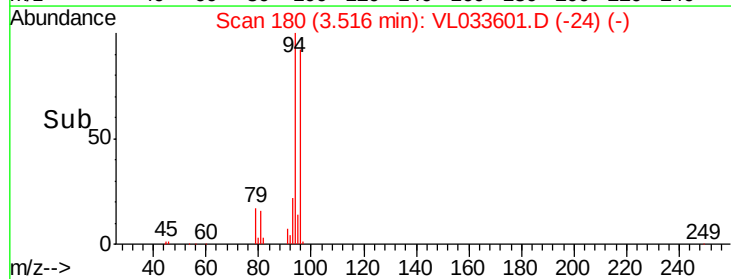
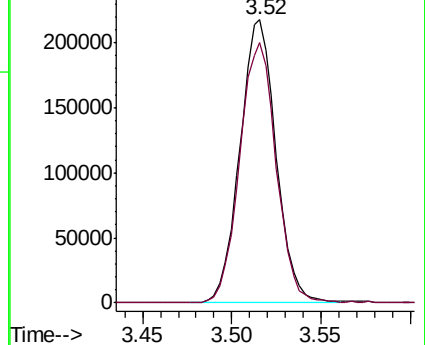
94 100

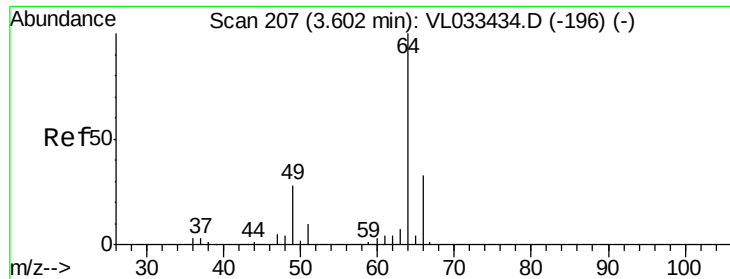
96 92.1 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.549 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

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ClientSampleId :

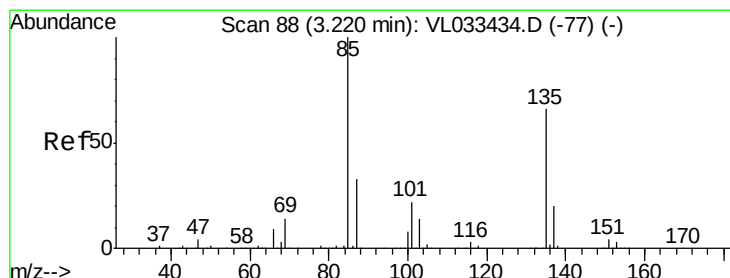
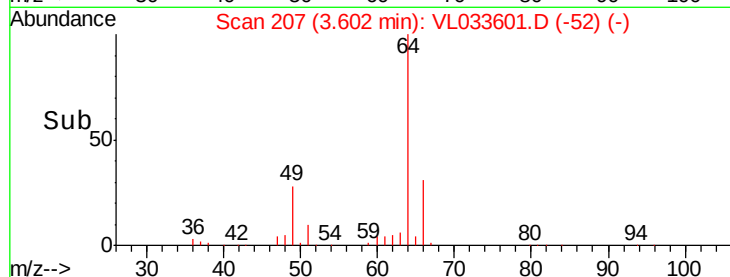
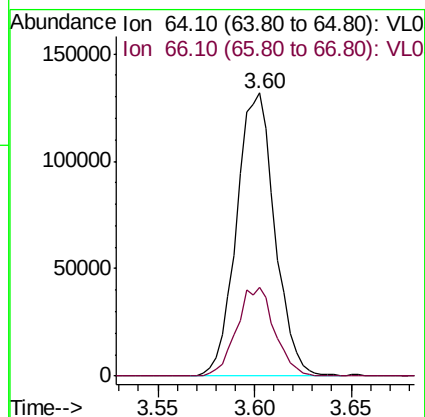
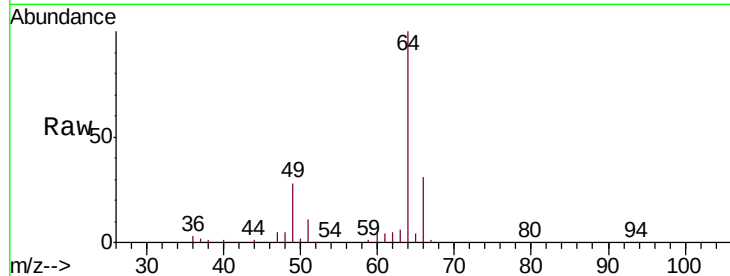
VL0417ABS01

Tgt Ion: 64 Resp: 181185

Ion Ratio Lower Upper

64 100

66 31.4 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 9.133 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033601.D

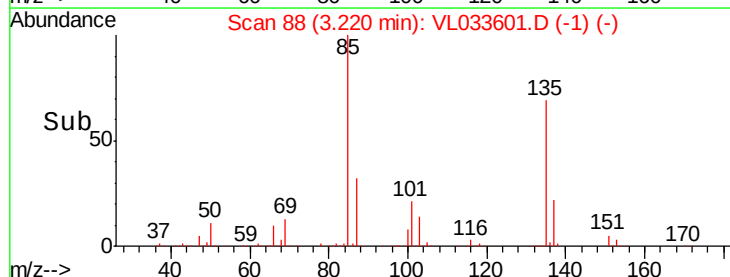
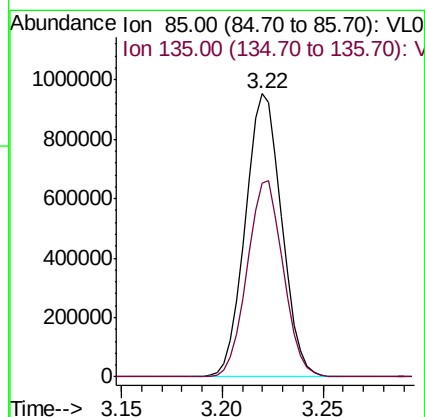
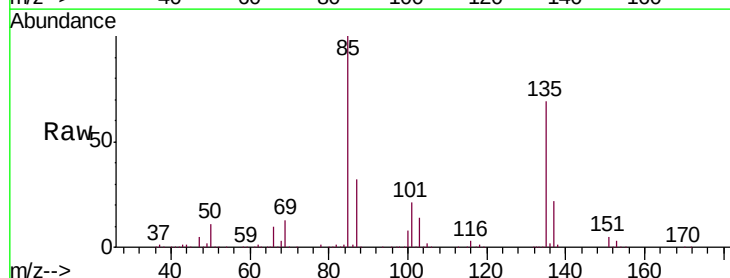
Acq: 17 Apr 2019 14:20

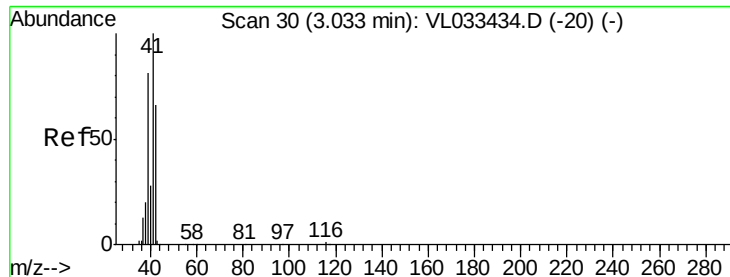
Tgt Ion: 85 Resp: 1208851

Ion Ratio Lower Upper

85 100

135 69.0 54.0 81.0





#9

Propene

Concen: 9.315 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033601.D

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ClientSampleId :

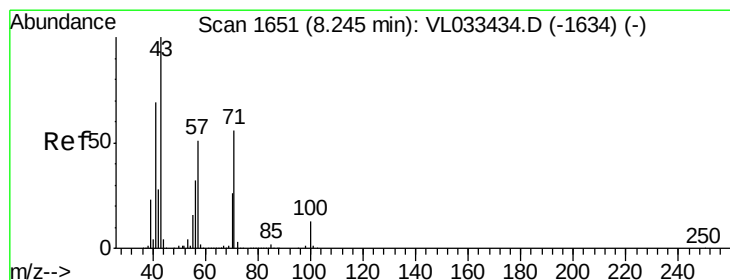
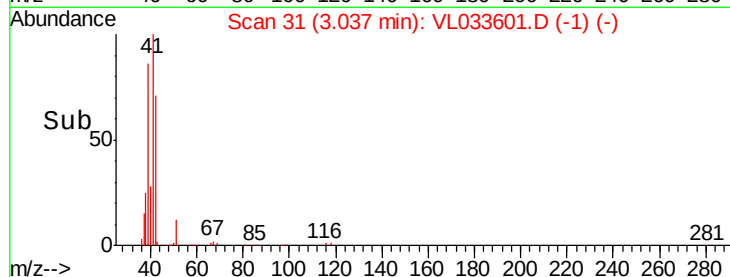
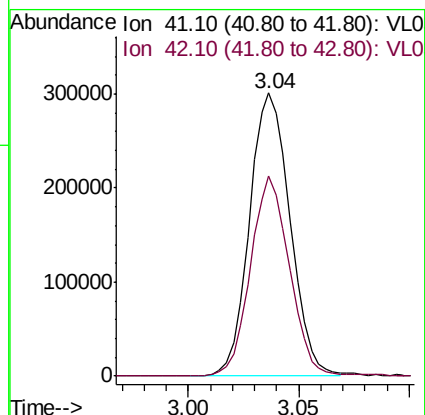
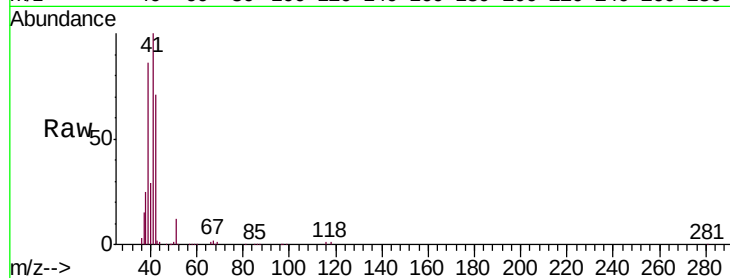
VL0417ABS01

Tgt Ion: 41 Resp: 383586

Ion Ratio Lower Upper

41 100

42 68.5 53.9 80.9



#10

Heptane

Concen: 8.980 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033601.D

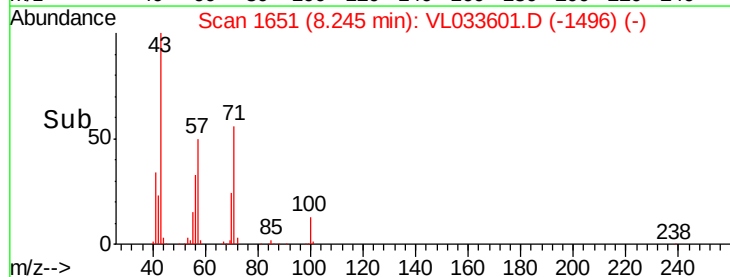
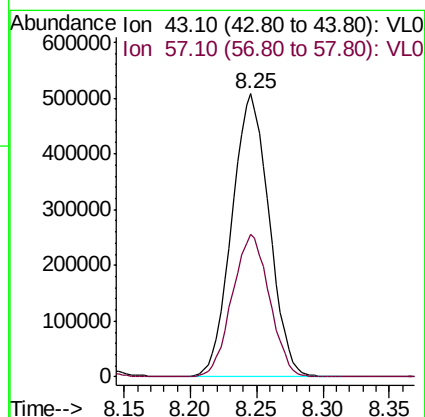
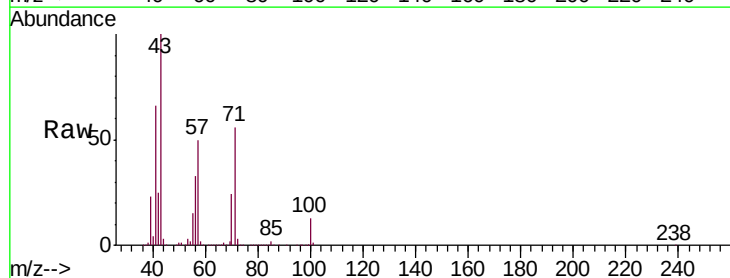
Acq: 17 Apr 2019 14:20

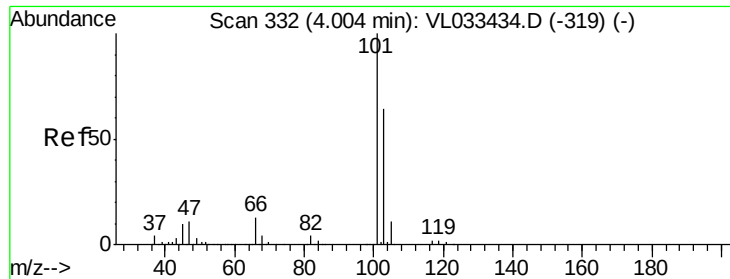
Tgt Ion: 43 Resp: 988497

Ion Ratio Lower Upper

43 100

57 50.3 40.6 60.8

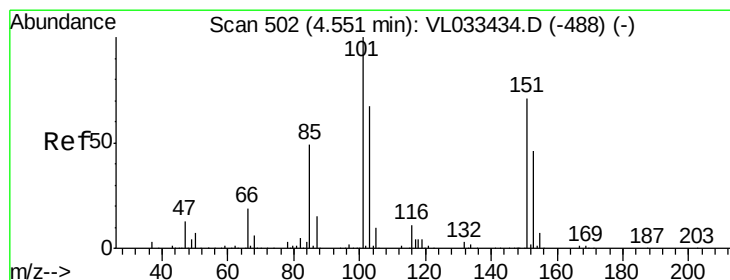
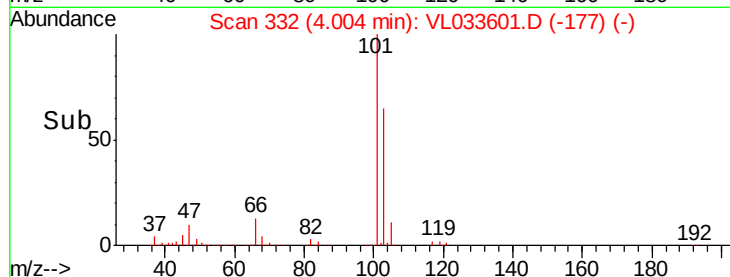
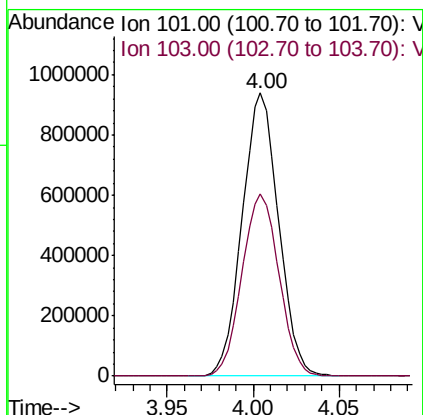
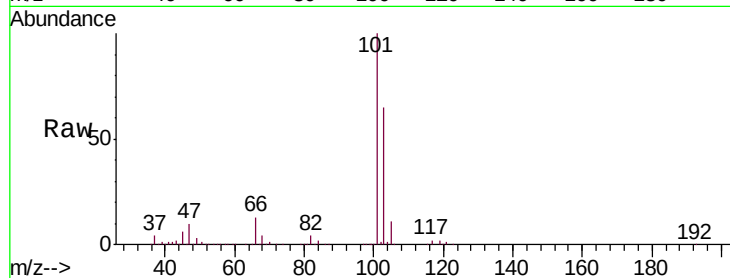




#11
 Trichlorofluoromethane
 Concen: 9.047 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

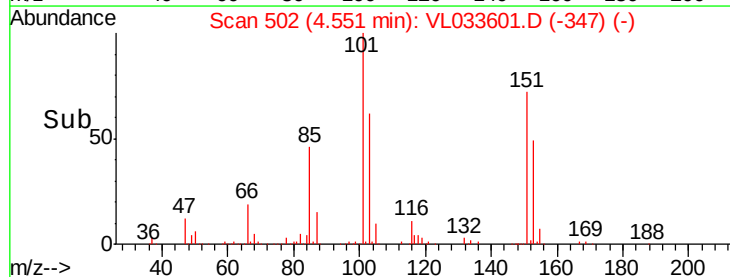
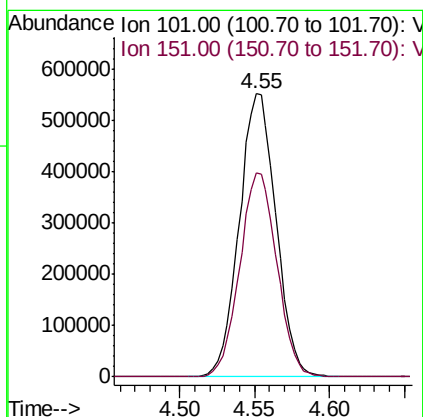
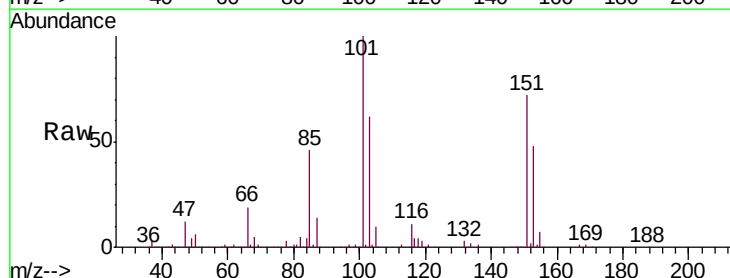
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

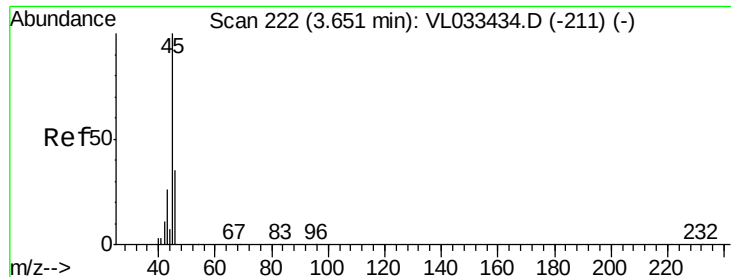
Tgt Ion:101 Resp: 1384994
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.173 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion:101 Resp: 943285
 Ion Ratio Lower Upper
 101 100
 151 72.9 57.7 86.5





#13

Ethanol

Concen: 9.355 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

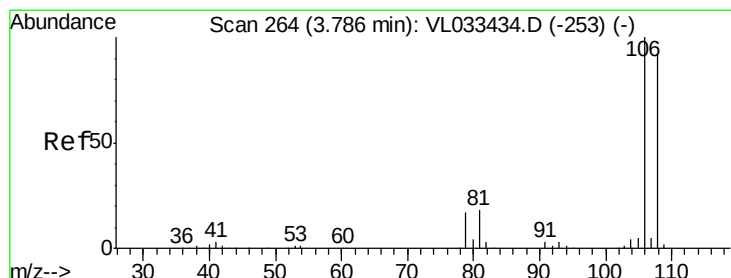
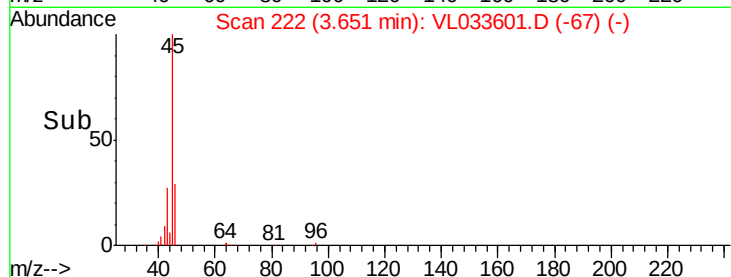
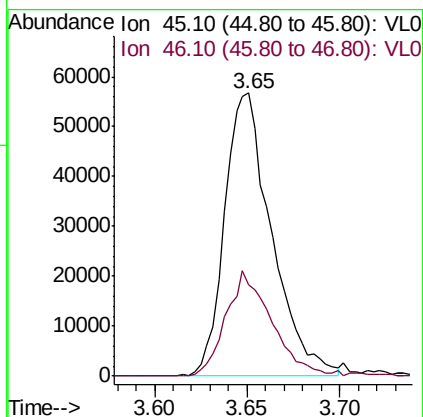
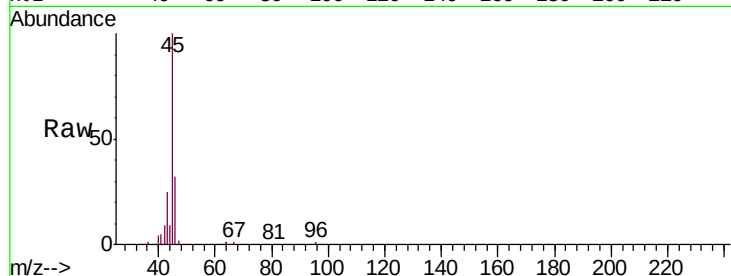
VL0417ABS01

Tgt Ion: 45 Resp: 99688

Ion Ratio Lower Upper

45 100

46 36.8 25.4 101.8



#14

Bromoethene

Concen: 9.494 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

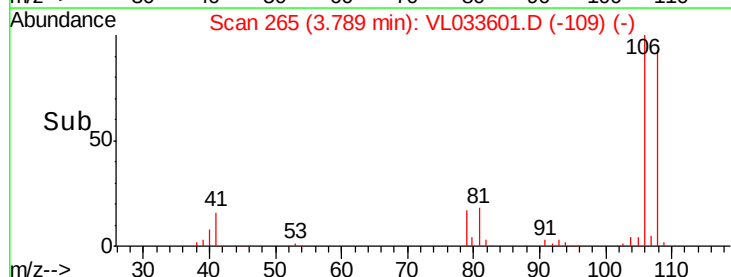
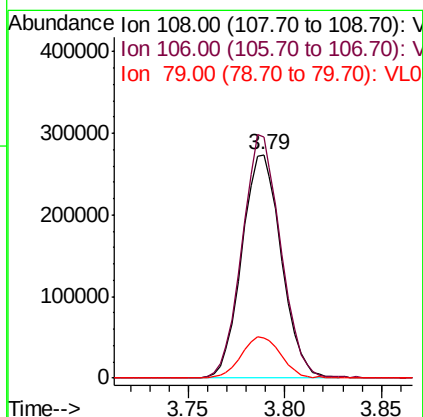
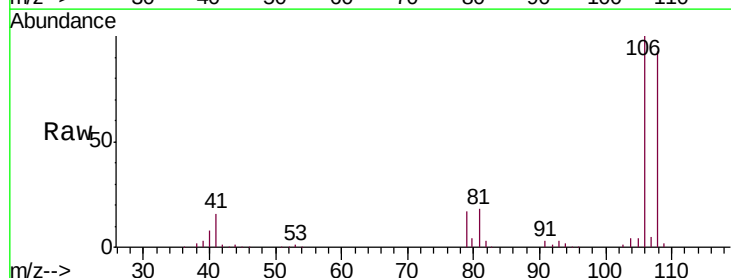
Tgt Ion: 108 Resp: 389370

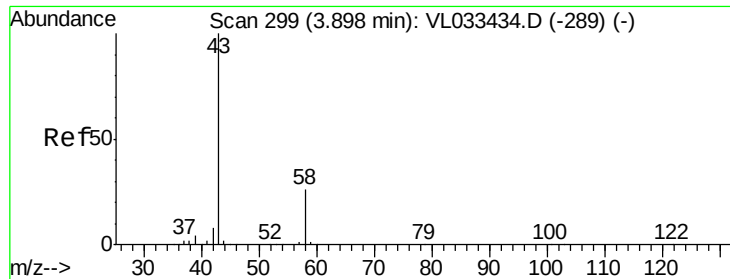
Ion Ratio Lower Upper

108 100

106 106.6 86.4 129.6

79 18.8 15.8 23.8





#15

Acetone

Concen: 8.719 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

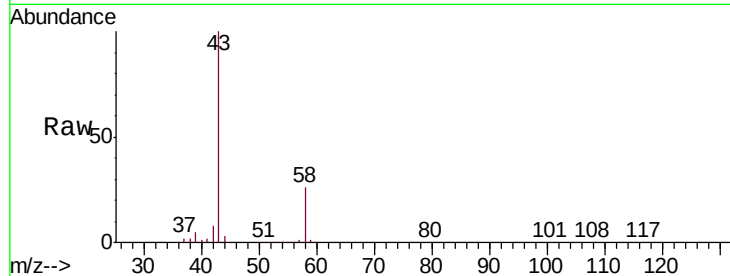
VL0417ABS01

Tgt Ion: 43 Resp: 892886

Ion Ratio Lower Upper

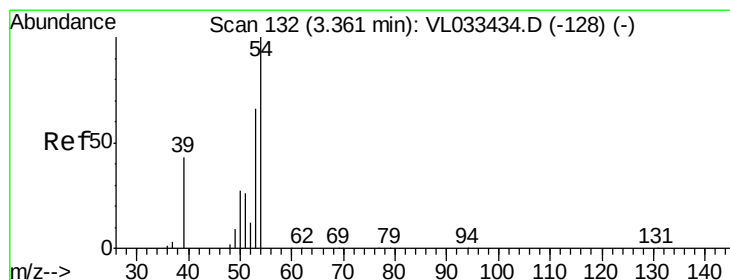
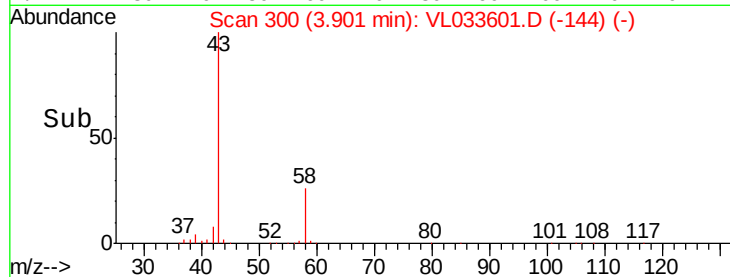
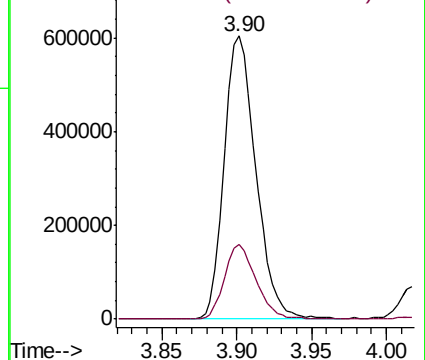
43 100

58 26.4 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.716 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033601.D

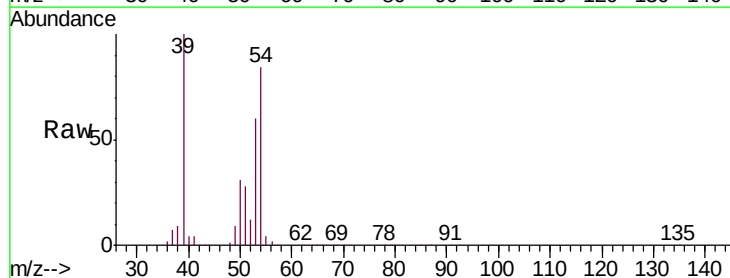
Acq: 17 Apr 2019 14:20

Tgt Ion: 39 Resp: 394664

Ion Ratio Lower Upper

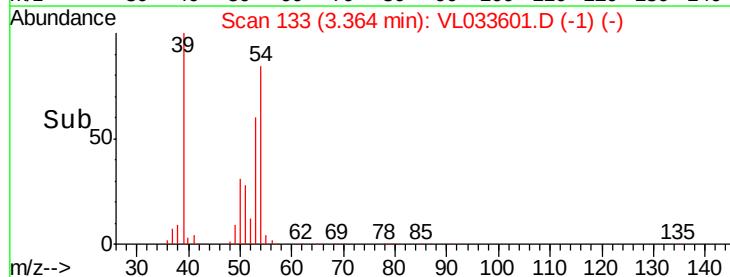
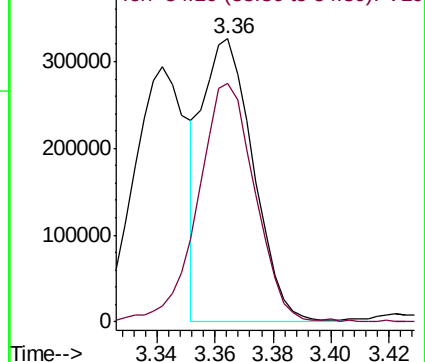
39 100

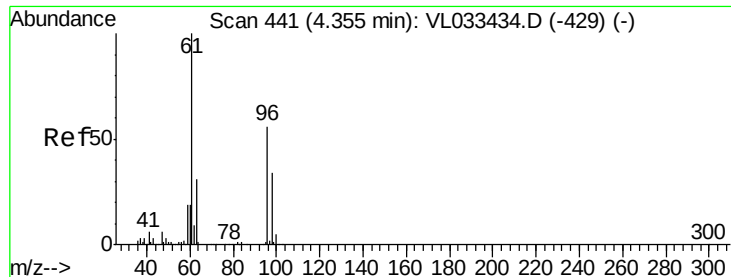
54 95.8 69.4 104.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.785 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

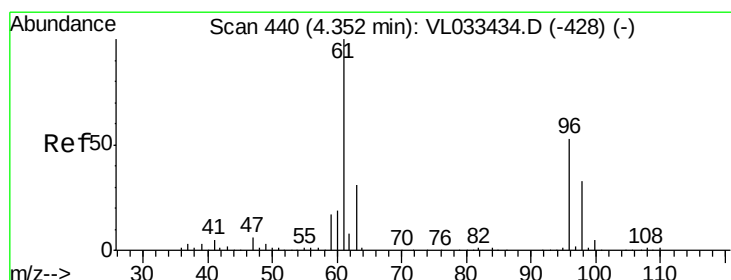
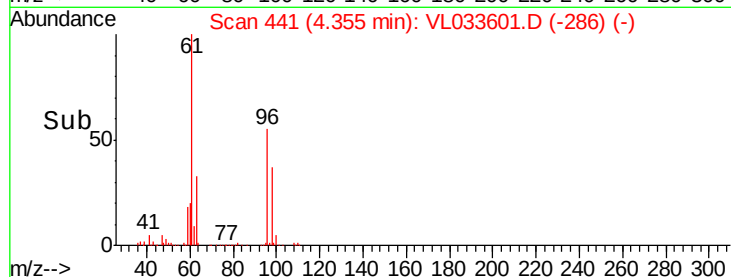
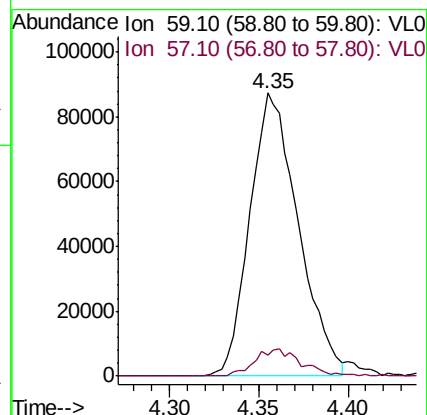
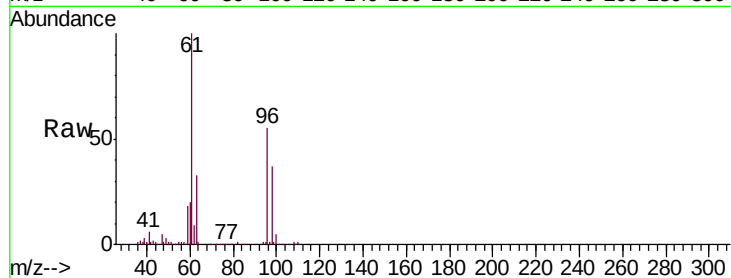
VL0417ABS01

Tgt Ion: 59 Resp: 165418

Ion Ratio Lower Upper

59 100

57 9.4 7.8 11.8



#18

1,1-Dichloroethene

Concen: 9.420 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

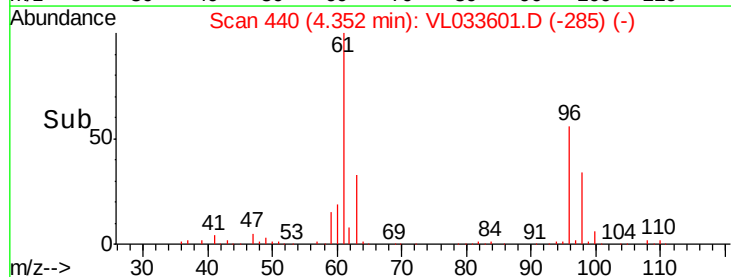
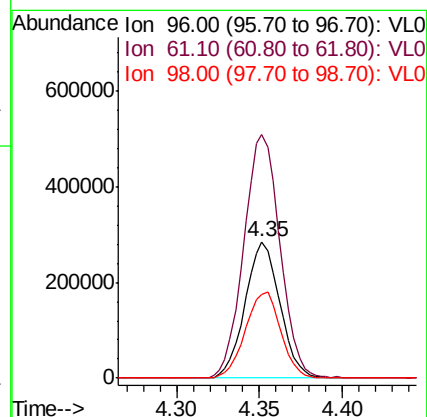
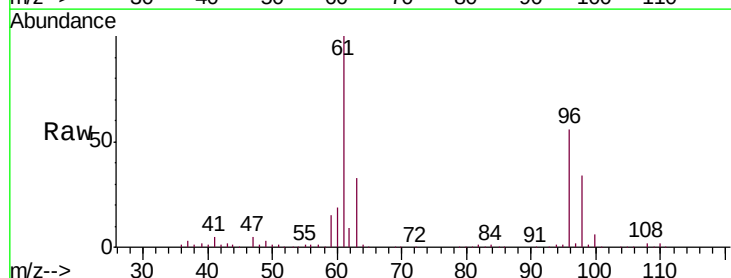
Tgt Ion: 96 Resp: 416081

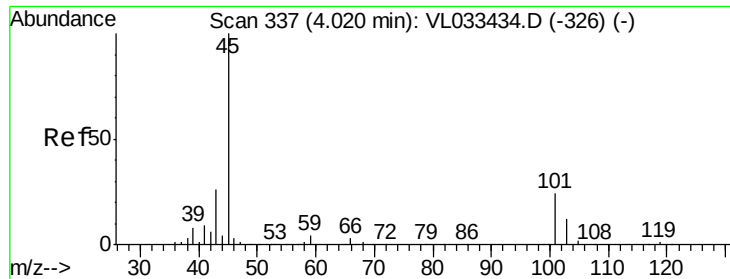
Ion Ratio Lower Upper

96 100

61 178.3 149.8 224.6

98 61.2 48.7 73.1





#19

Isopropyl Alcohol

Concen: 8.722 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

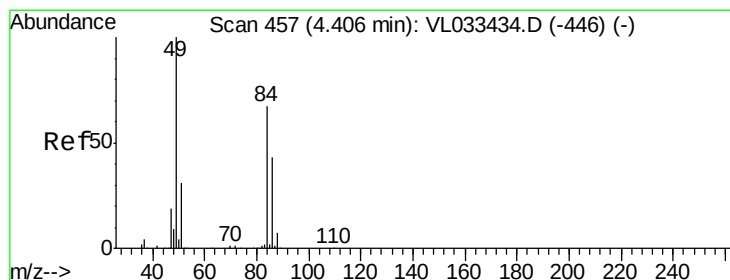
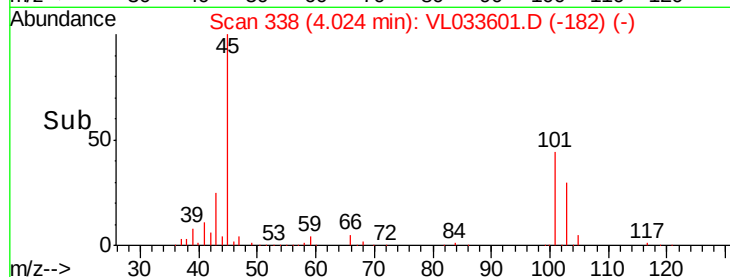
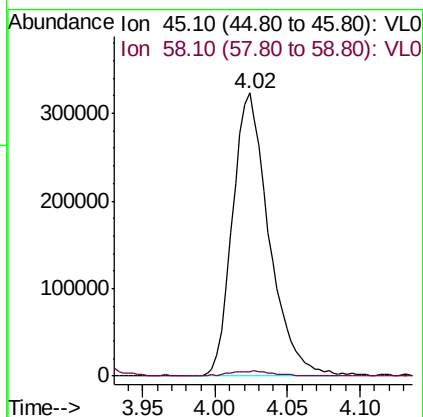
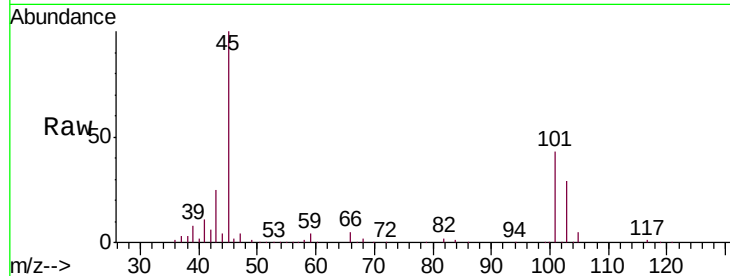
VL0417ABS01

Tgt Ion: 45 Resp: 564980

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#



#20

Methylene Chloride

Concen: 8.585 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Tgt Ion: 84 Resp: 373217

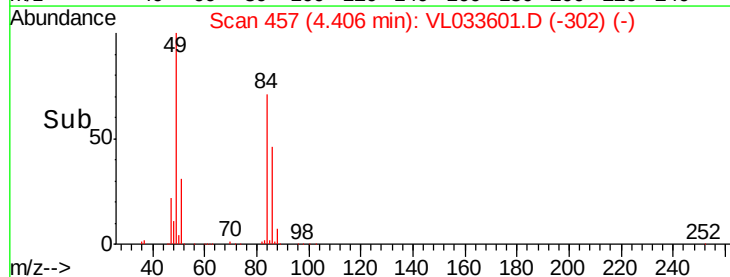
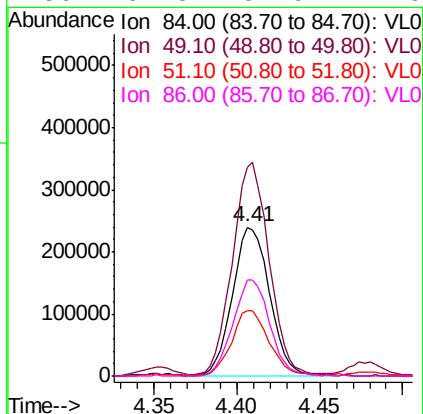
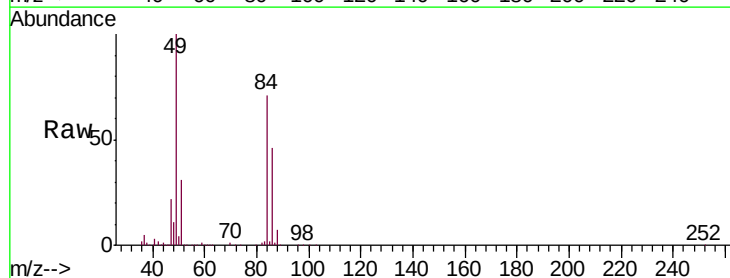
Ion Ratio Lower Upper

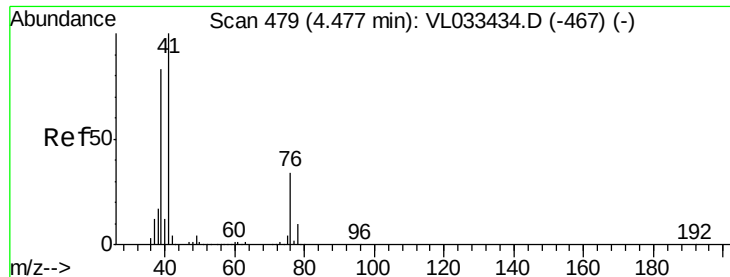
84 100

49 139.4 120.0 180.0

51 43.0 36.7 55.1

86 64.3 51.9 77.9





#21

Allyl Chloride

Concen: 9.511 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

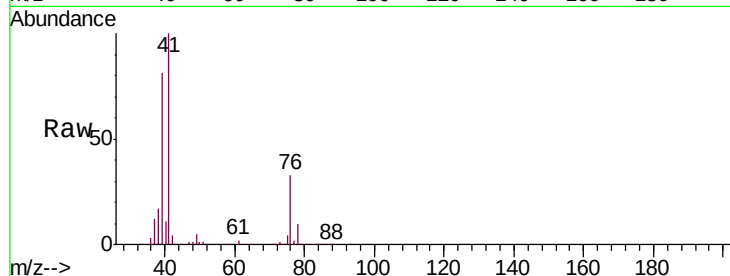
Tgt Ion: 41 Resp: 615726

Ion Ratio Lower Upper

41 100

76 32.1 25.4 38.2

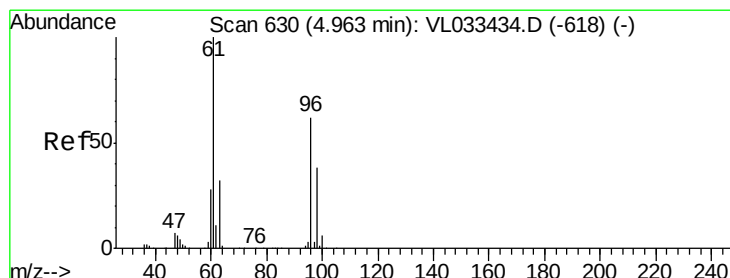
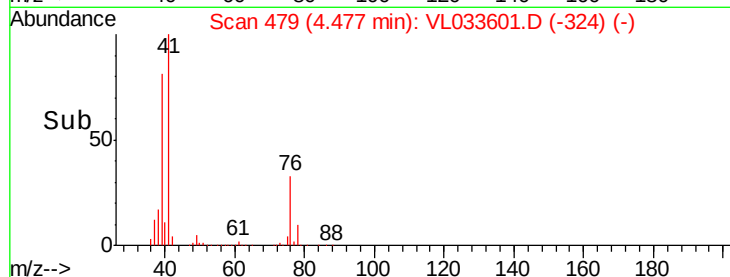
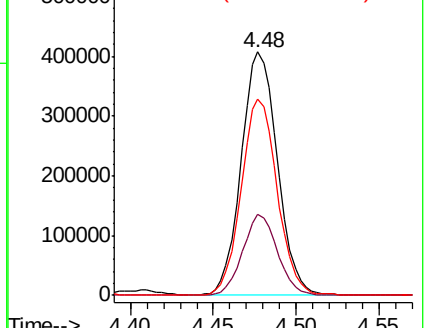
39 80.5 65.3 97.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.464 ppbv

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

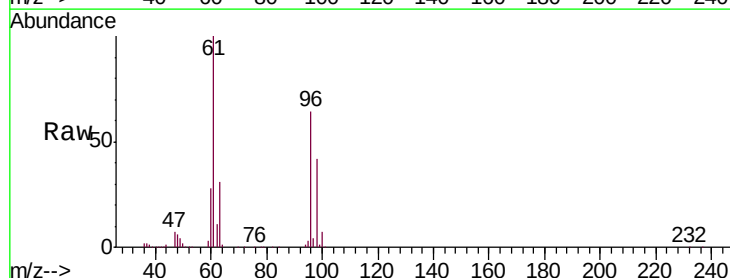
Tgt Ion: 96 Resp: 436124

Ion Ratio Lower Upper

96 100

61 157.0 128.9 193.3

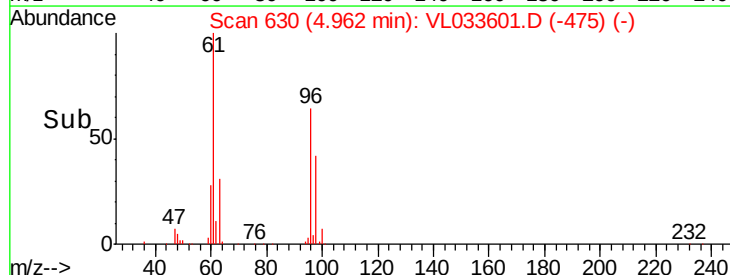
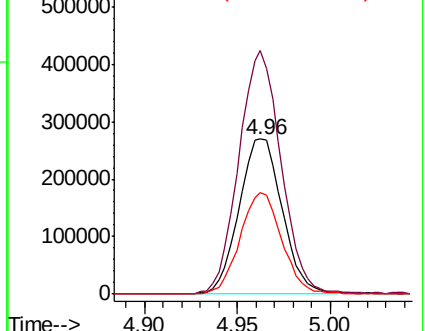
98 65.3 49.5 74.3

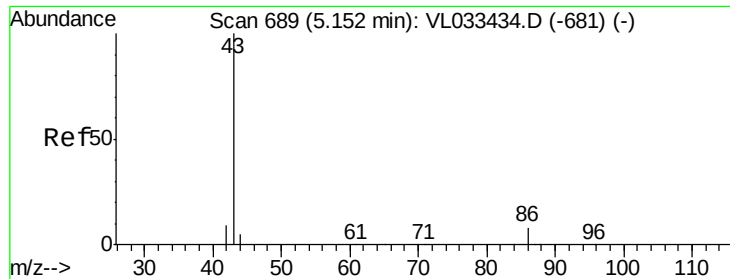


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.425 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

Tgt Ion: 43 Resp: 1373908

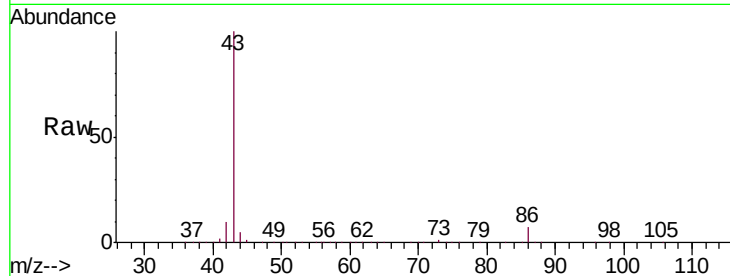
Ion Ratio Lower Upper

43 100

86 7.4 5.6 8.4

42 9.8 8.0 12.0

44 4.9 3.9 5.9

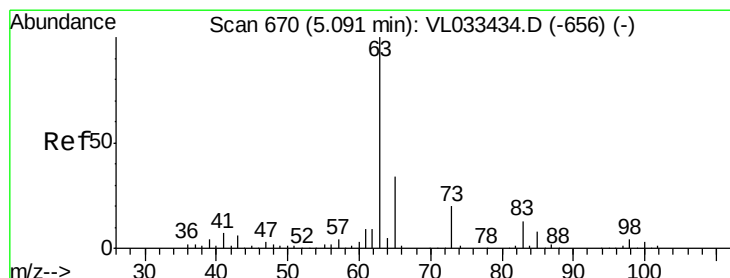
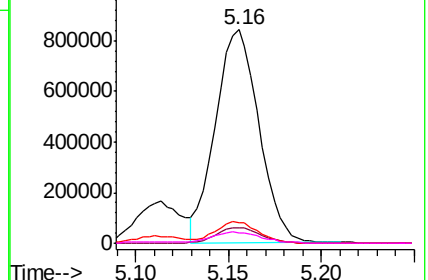
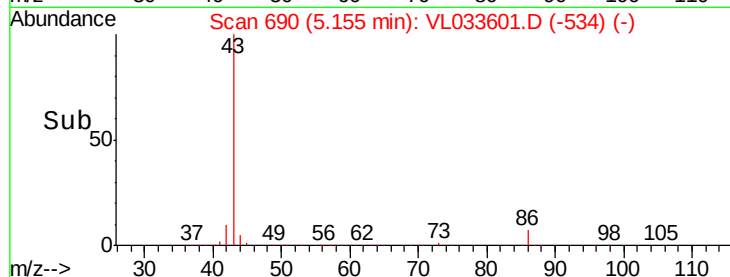


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.877 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

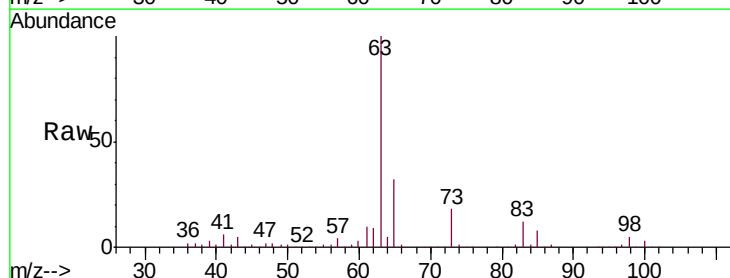
Tgt Ion: 63 Resp: 982870

Ion Ratio Lower Upper

63 100

98 5.1 2.2 6.6

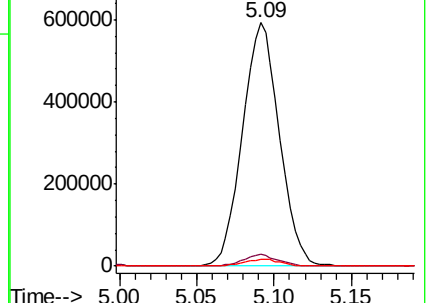
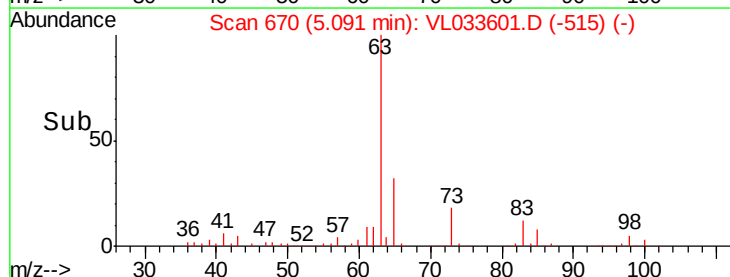
100 2.6 1.5 4.4

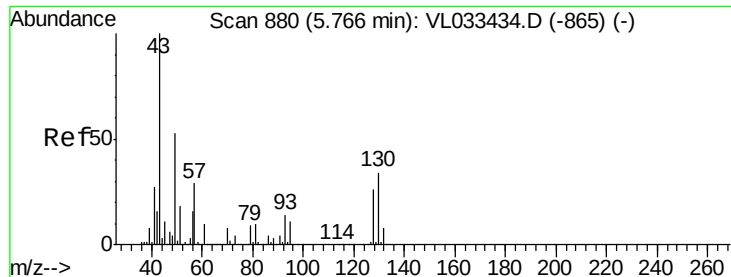


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



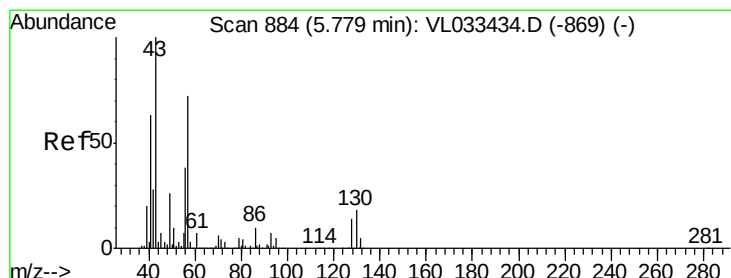
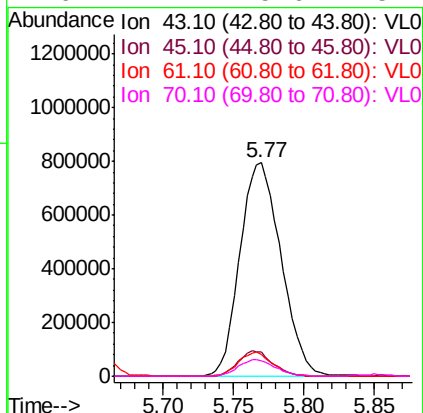
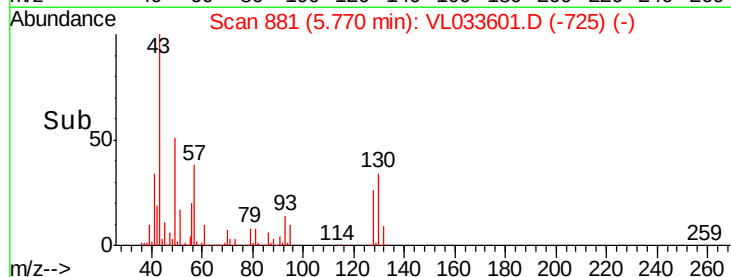
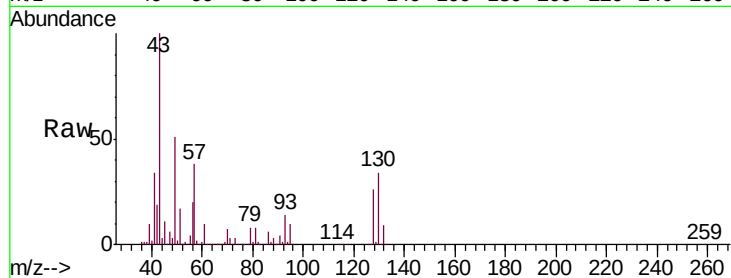


#25
Ethyl Acetate
Concen: 8.543 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 43 Resp: 1623212

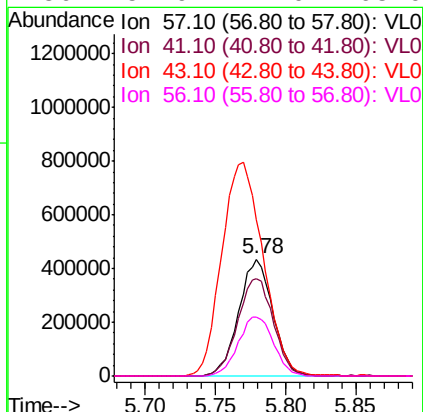
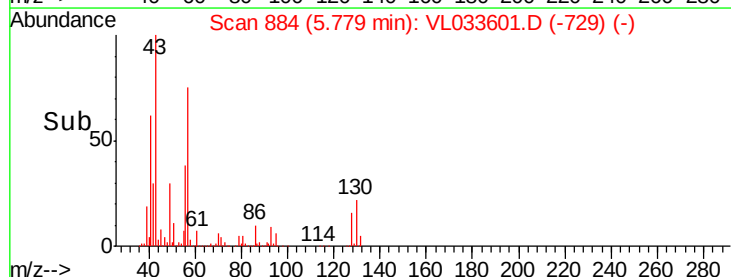
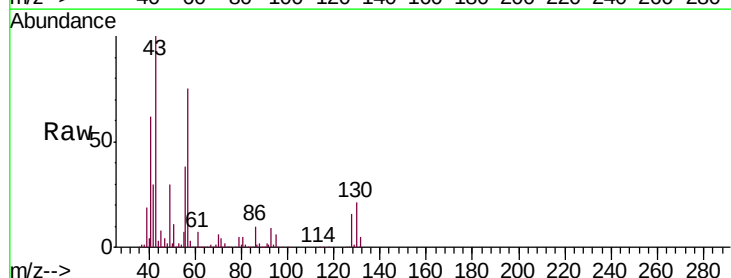
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.4	7.3	10.9
70	7.1	5.6	8.4

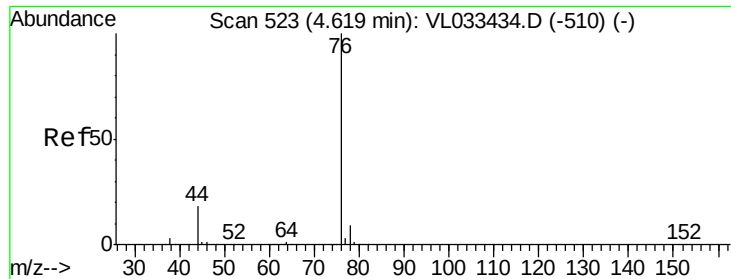


#26
Hexane
Concen: 8.683 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 57 Resp: 733610

Ion	Ratio	Lower	Upper
57	100		
41	87.8	70.7	106.1
43	223.3	182.6	274.0
56	52.9	42.0	63.0





#27

Carbon Disulfide

Concen: 10.424 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

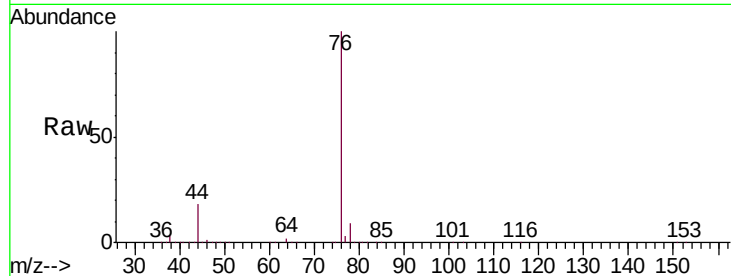
Tgt Ion: 76 Resp: 1047264

Ion Ratio Lower Upper

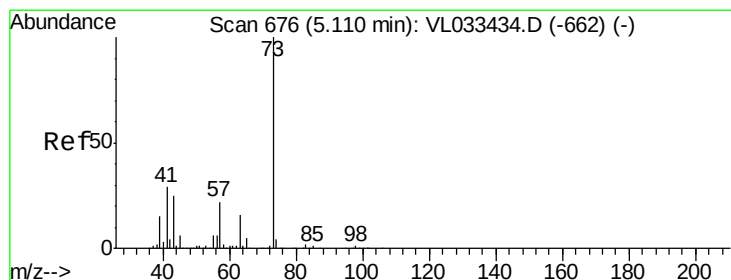
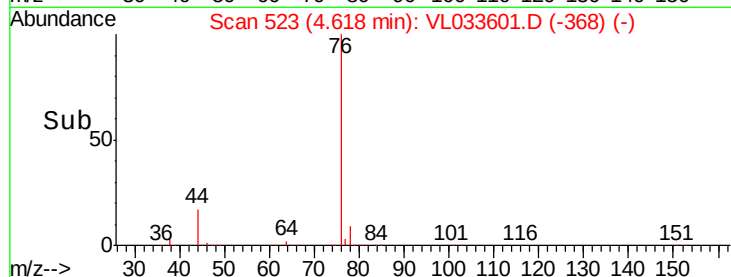
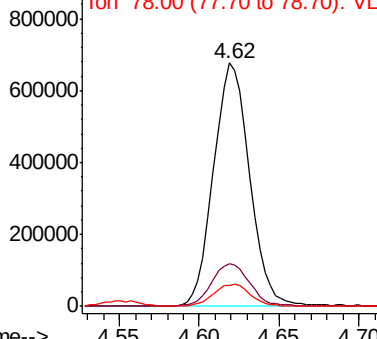
76 100

44 18.2 14.8 22.2

78 9.4 7.6 11.4



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



#28

Methyl tert-Butyl Ether

Concen: 9.606 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033601.D

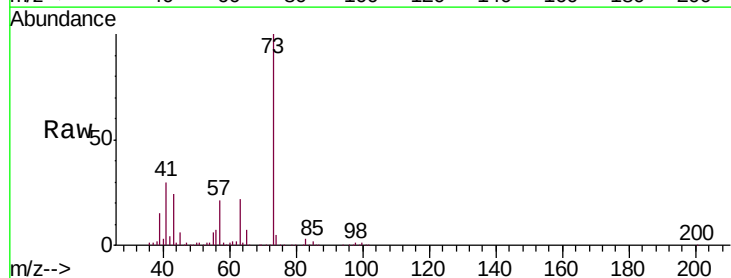
Acq: 17 Apr 2019 14:20

Tgt Ion: 73 Resp: 1168908

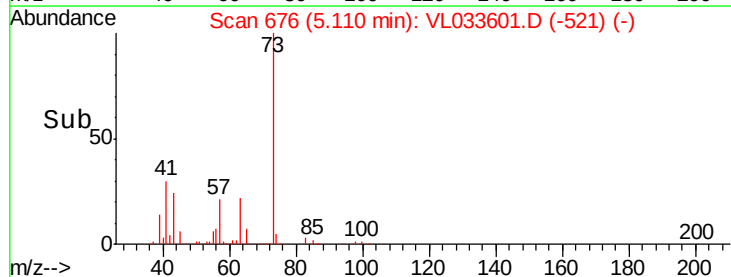
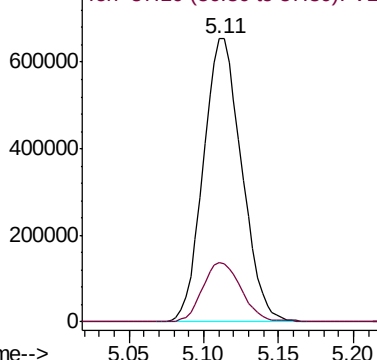
Ion Ratio Lower Upper

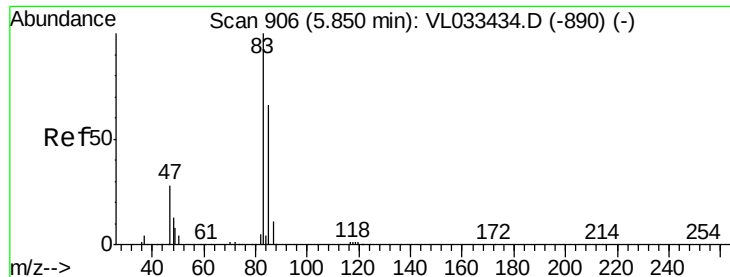
73 100

57 21.4 17.4 26.2



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

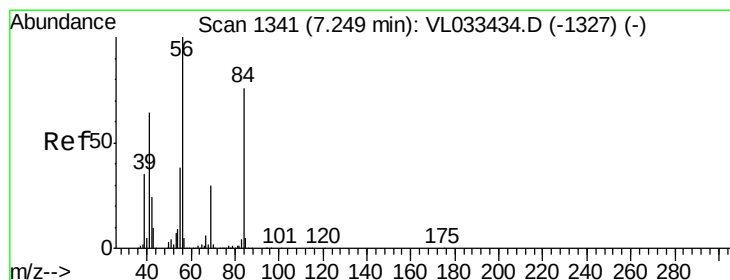
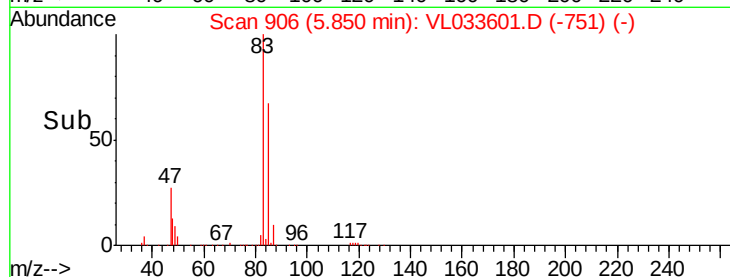
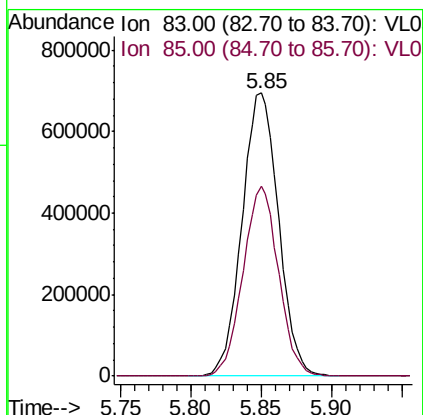
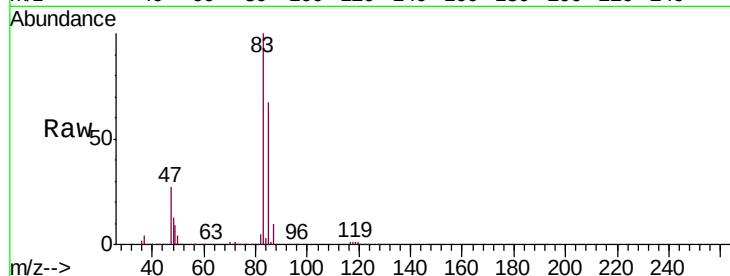




#29
Chloroform
Concen: 8.692 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

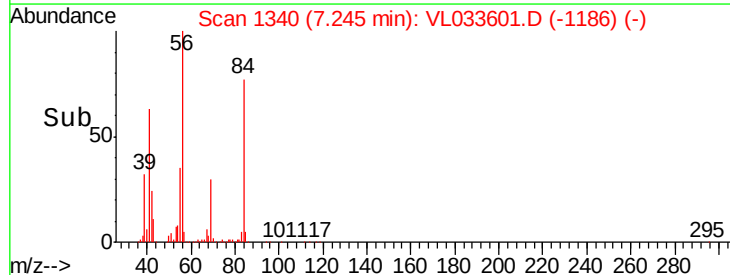
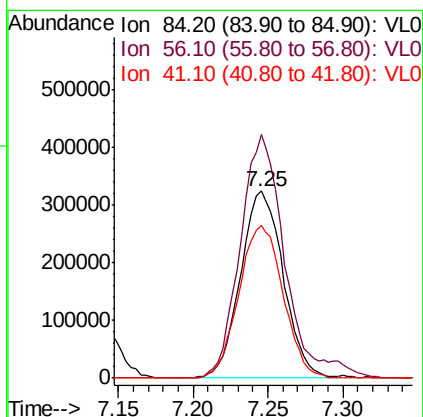
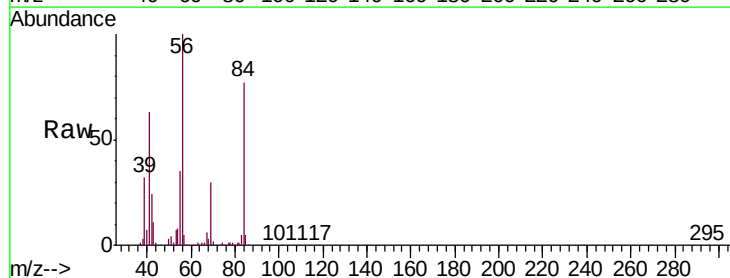
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

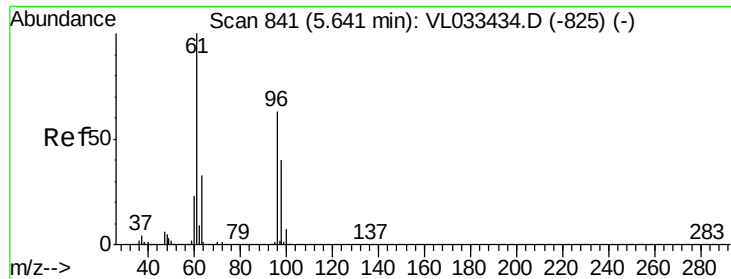
Tgt Ion: 83 Resp: 1258833
Ion Ratio Lower Upper
83 100
85 67.0 52.6 79.0



#30
Cyclohexane
Concen: 9.655 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 84 Resp: 645287
Ion Ratio Lower Upper
84 100
56 136.5 109.7 164.5
41 84.7 68.2 102.2



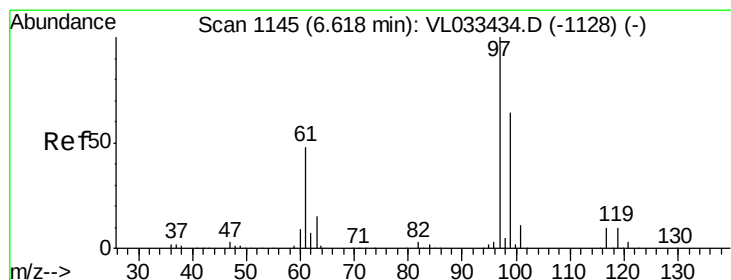
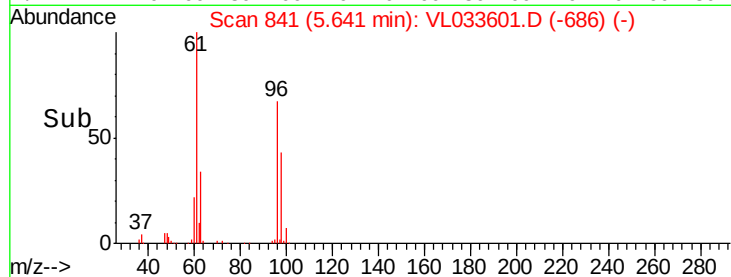
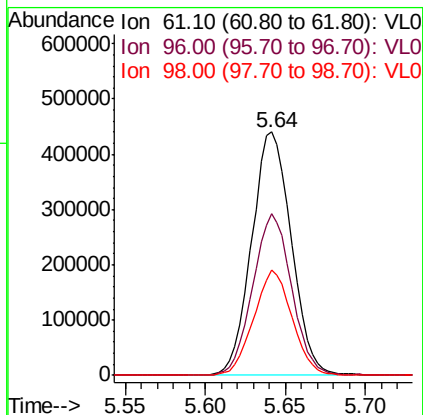
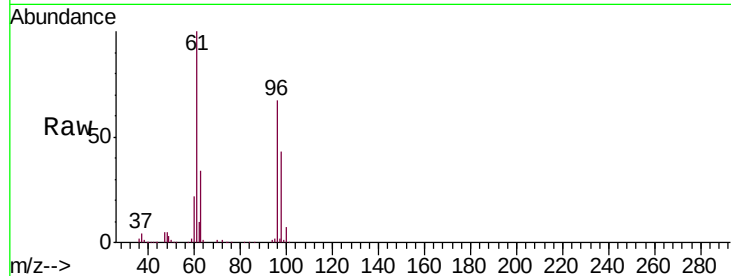


#31

cis-1,2-Dichloroethene
 Concen: 8.922 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

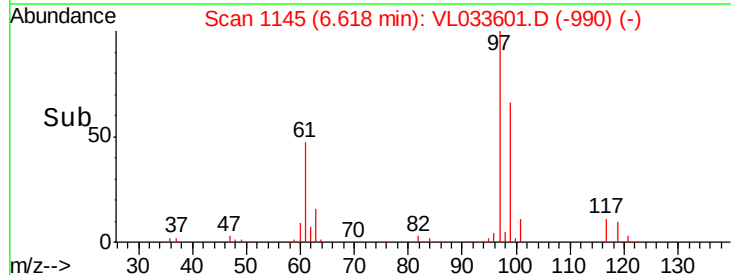
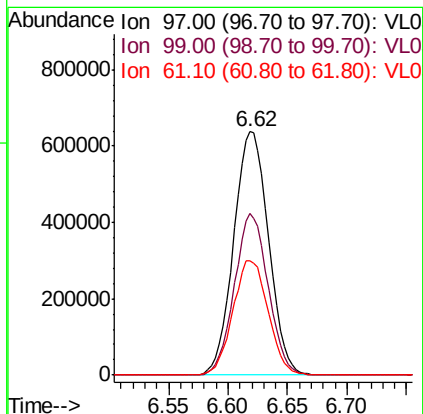
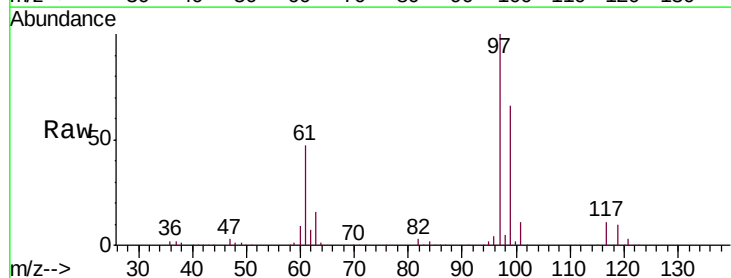
Tgt Ion:	61	Resp:	749452
Ion	Ratio	Lower	Upper
61	100		
96	66.6	50.6	76.0
98	43.2	32.2	48.2

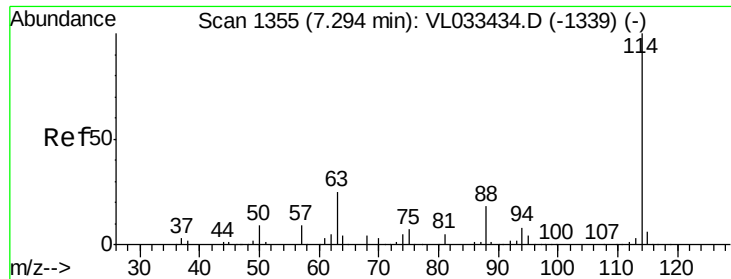


#32

1,1,1-Trichloroethane
 Concen: 9.395 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion:	97	Resp:	1295679
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	47.8	38.8	58.2

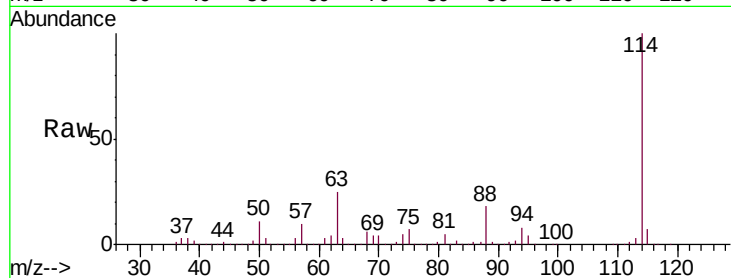




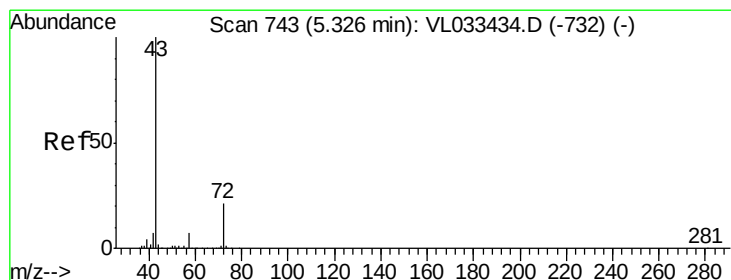
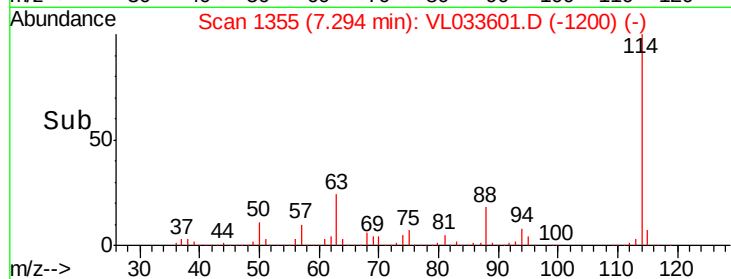
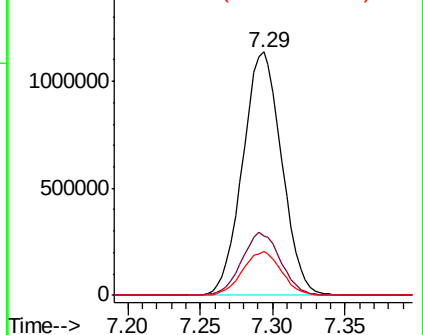
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0417ABS01

Tgt Ion: 114 Resp: 2137910
 Ion Ratio Lower Upper
 114 100
 63 26.0 21.5 32.3
 88 17.9 14.5 21.7

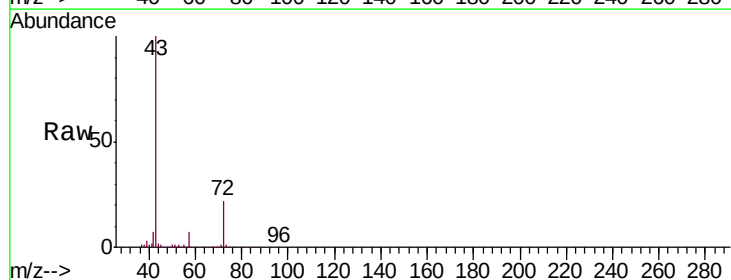


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

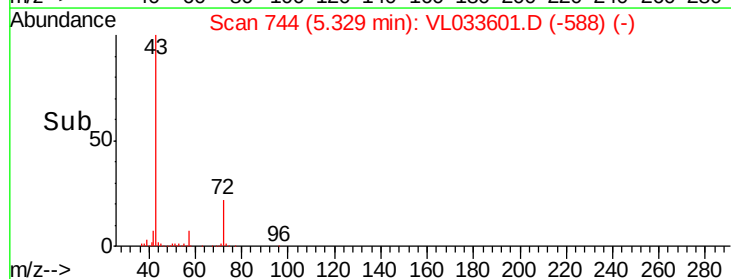
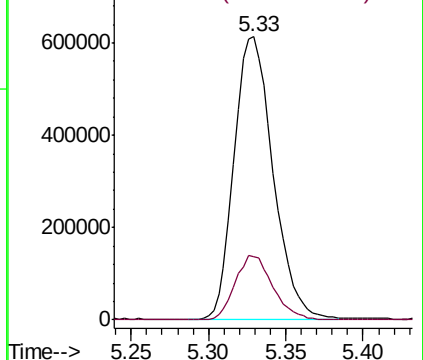


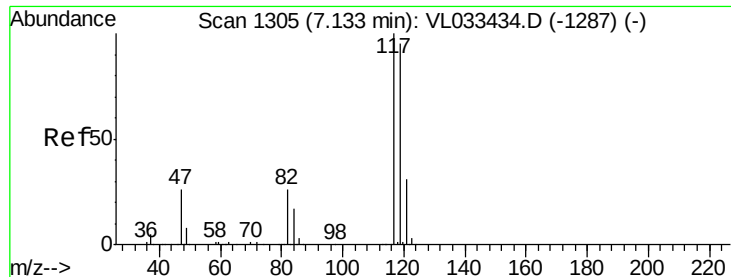
#34
 2-Butanone
 Concen: 8.347 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 43 Resp: 1072087
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.4 26.2



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





#35

Carbon Tetrachloride

Concen: 9.232 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

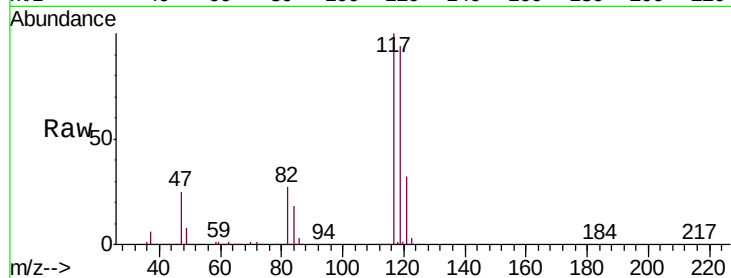
Tgt Ion: 117 Resp: 1397897

Ion Ratio Lower Upper

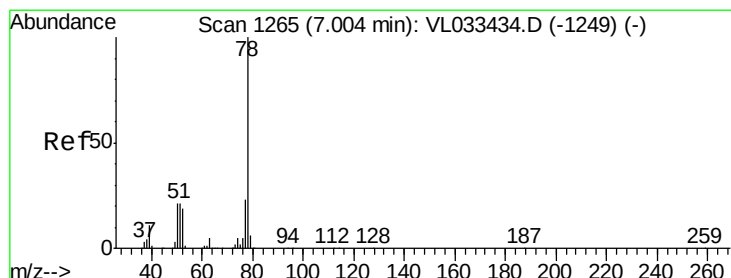
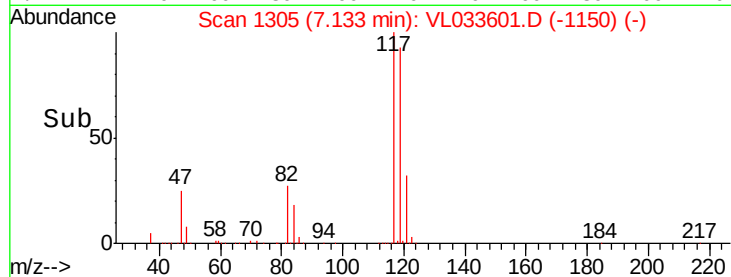
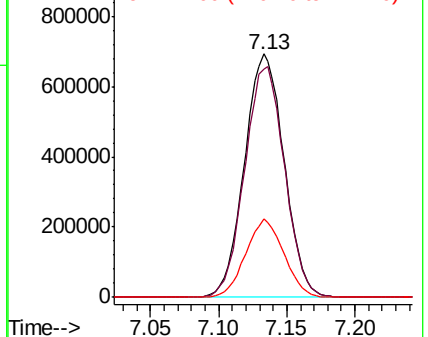
117 100

119 93.8 75.8 113.8

121 32.1 24.7 37.1



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: 8.983 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

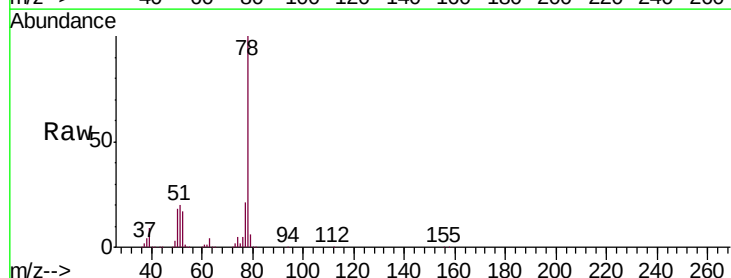
Tgt Ion: 78 Resp: 1611404

Ion Ratio Lower Upper

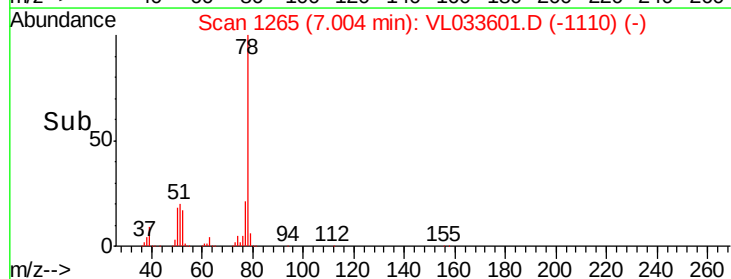
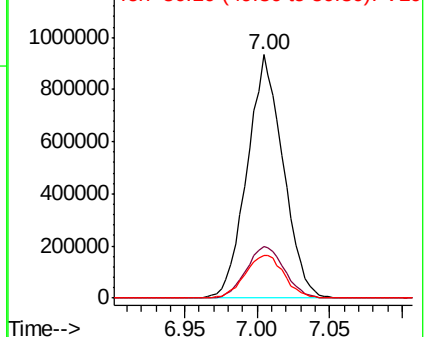
78 100

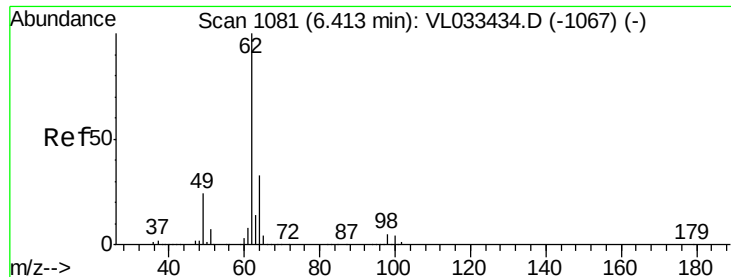
77 21.1 18.1 27.1

50 17.7 16.7 25.1



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

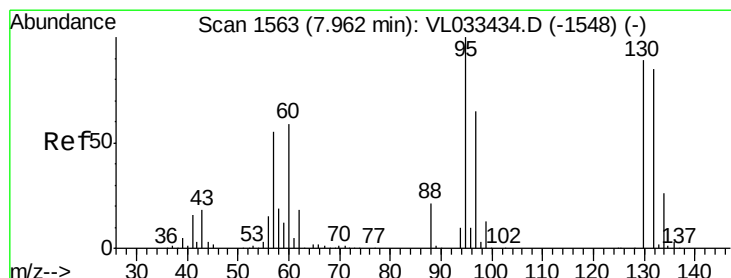
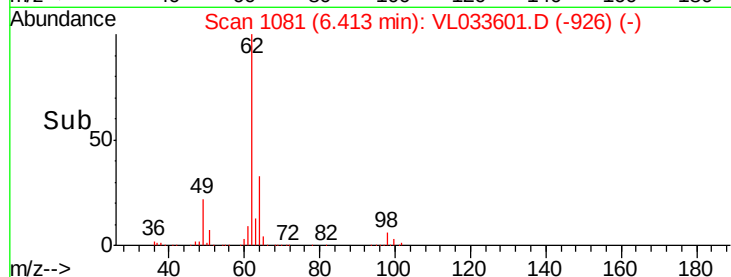
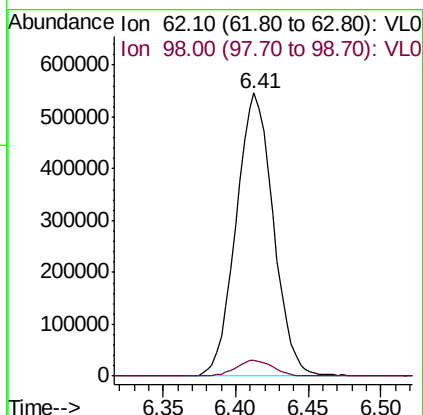
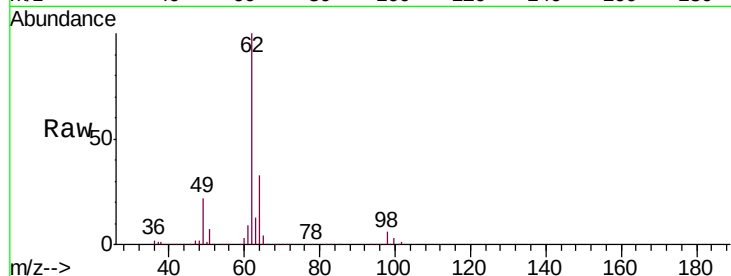




#37
 1,2-Dichloroethane
 Concen: 8.093 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

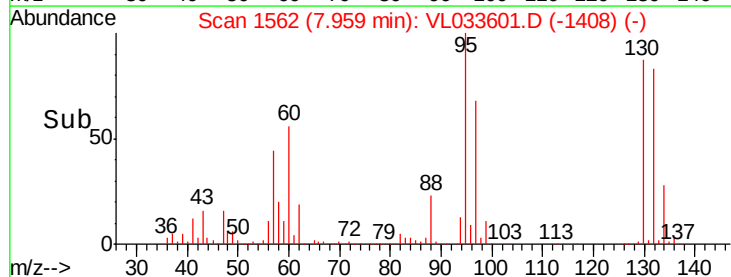
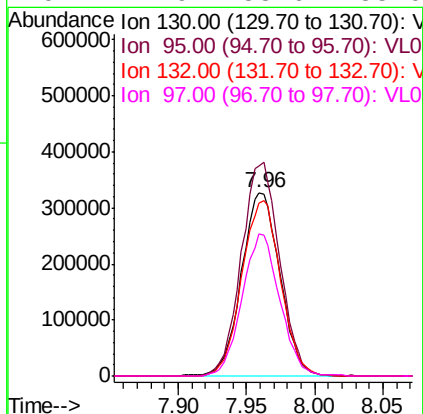
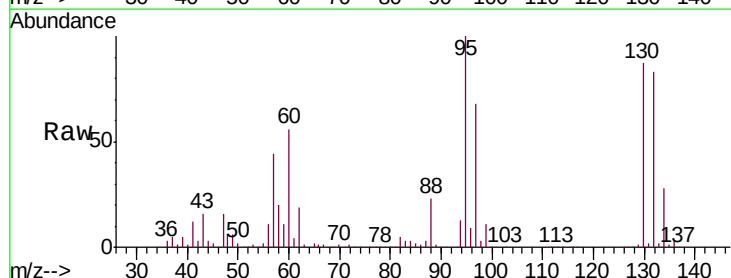
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

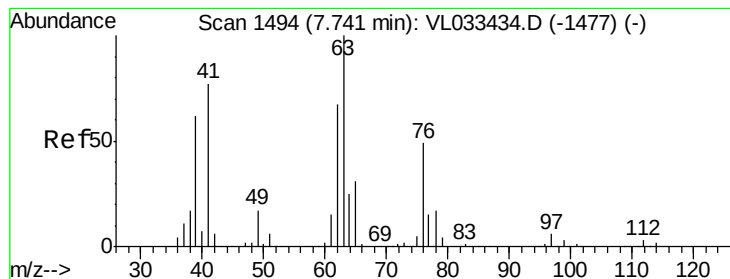
Tgt Ion: 62 Resp: 973137
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 9.449 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 130 Resp: 637883
 Ion Ratio Lower Upper
 130 100
 95 114.6 89.8 134.8
 132 94.7 76.6 115.0
 97 77.9 58.6 88.0





#39

1,2-Dichloropropane

Concen: 8.369 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

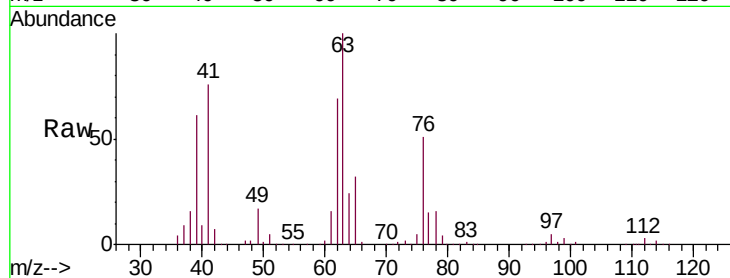
Tgt Ion: 63 Resp: 588108

Ion Ratio Lower Upper

63 100

41 76.3 61.2 91.8

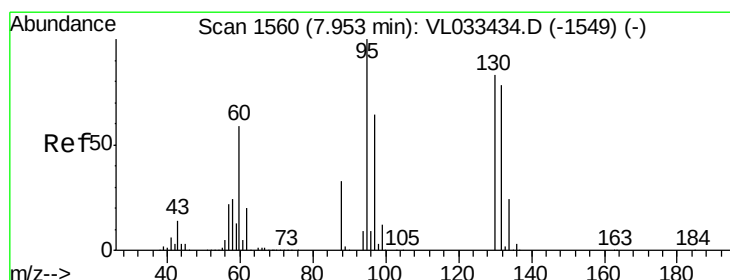
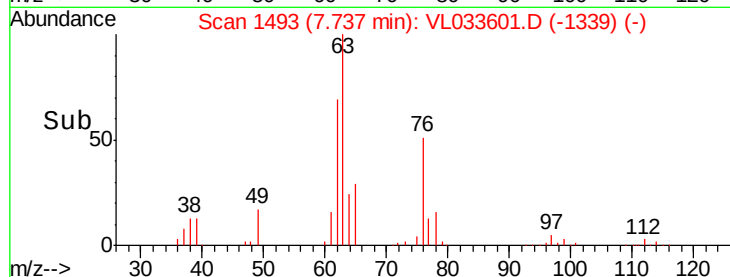
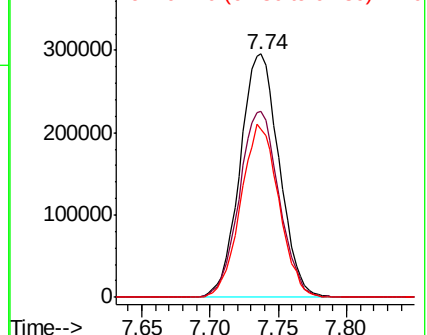
62 69.1 54.0 81.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.691 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Tgt Ion: 88 Resp: 217828

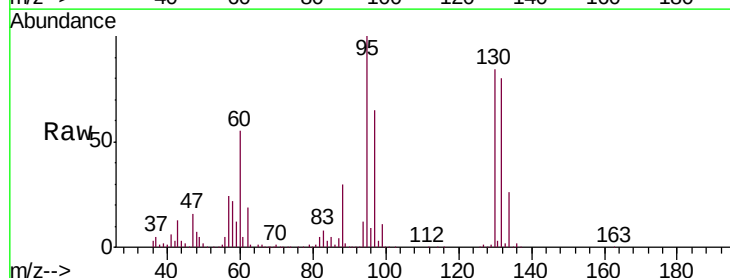
Ion Ratio Lower Upper

88 100

58 129.9 105.6 158.4

43 273.1 216.7 325.1

57 1230.7 975.0 1462.4

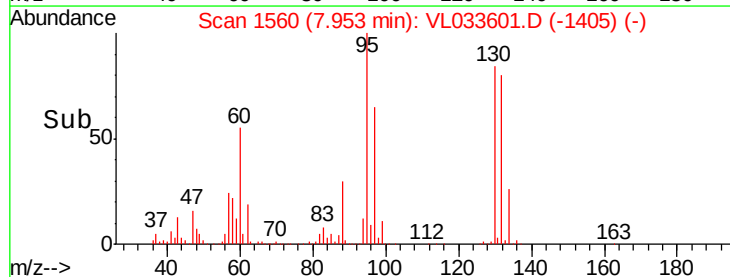
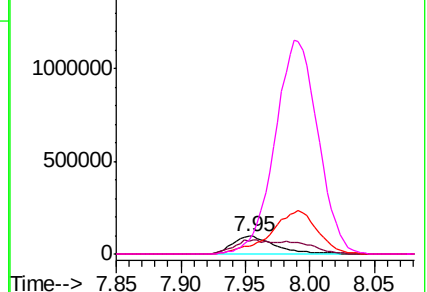


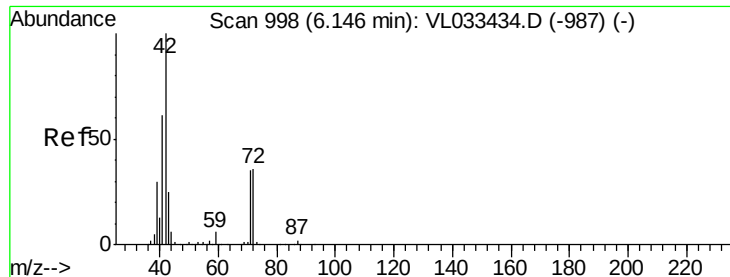
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 8.777 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

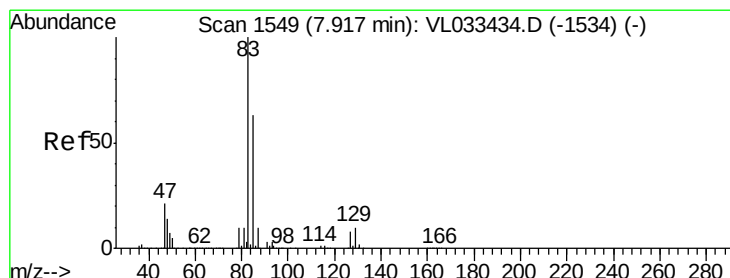
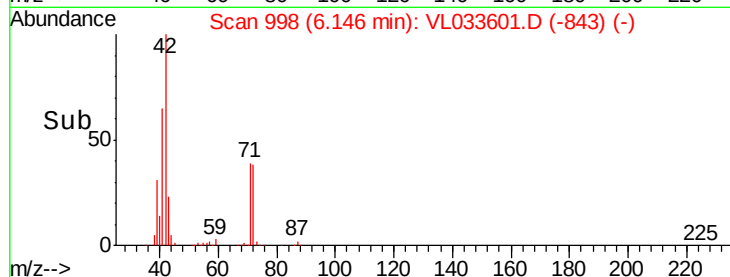
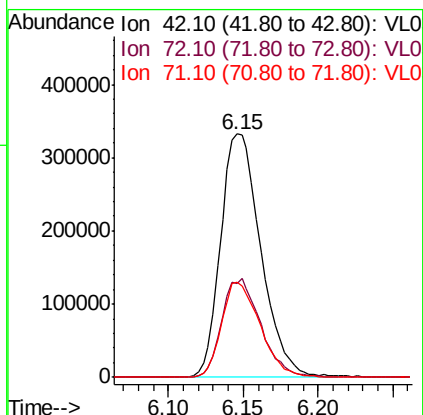
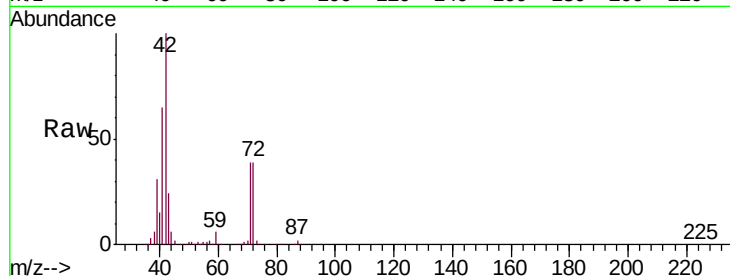
Tgt Ion: 42 Resp: 620084

Ion Ratio Lower Upper

42 100

72 39.5 30.2 45.2

71 37.8 29.4 44.2



#42

Bromodichloromethane

Concen: 8.695 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

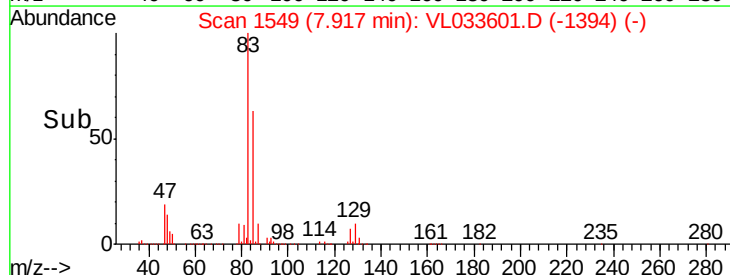
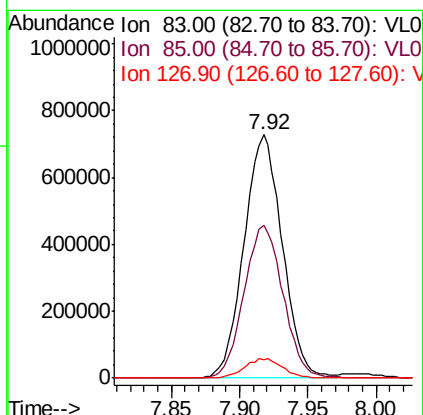
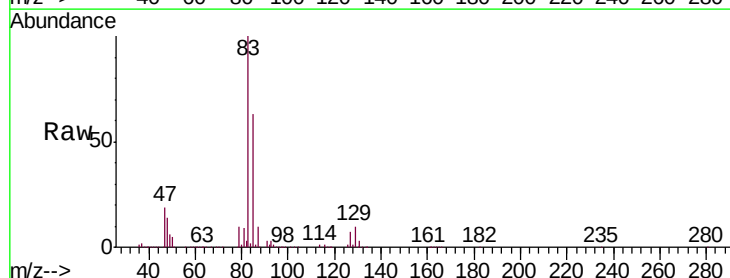
Tgt Ion: 83 Resp: 1424014

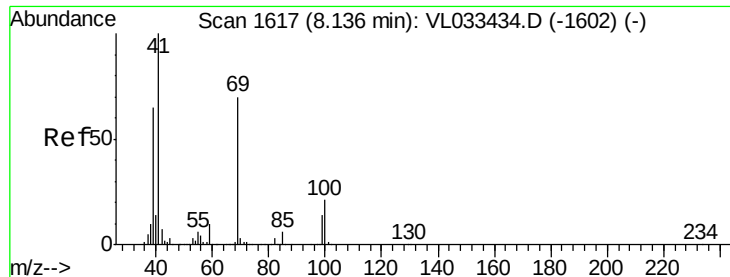
Ion Ratio Lower Upper

83 100

85 62.8 50.7 76.1

127 7.4 6.6 9.8

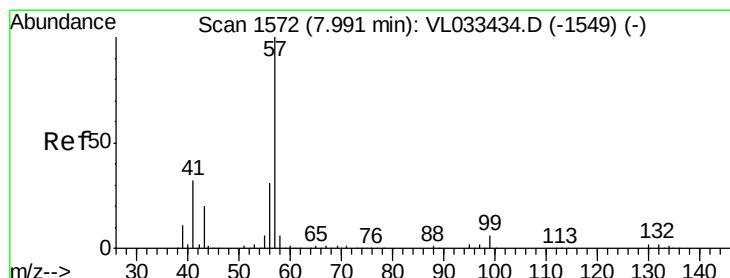
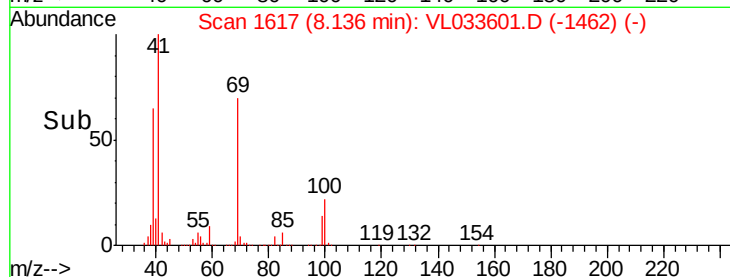
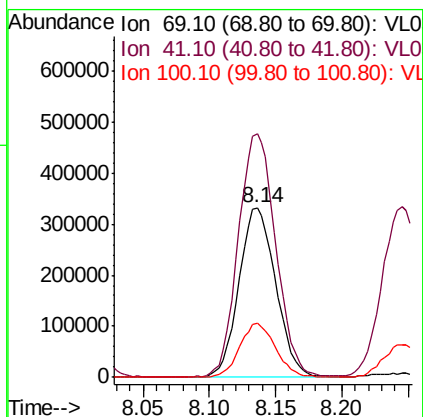
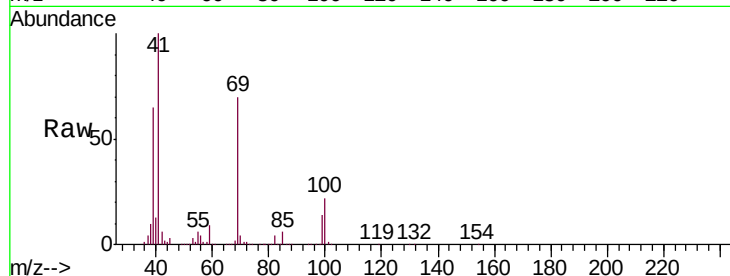




#43
Methyl Methacrylate
Concen: 8.811 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

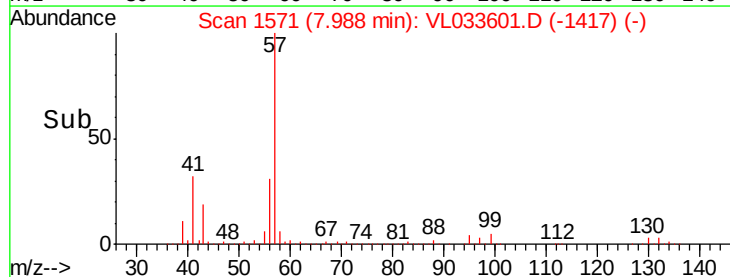
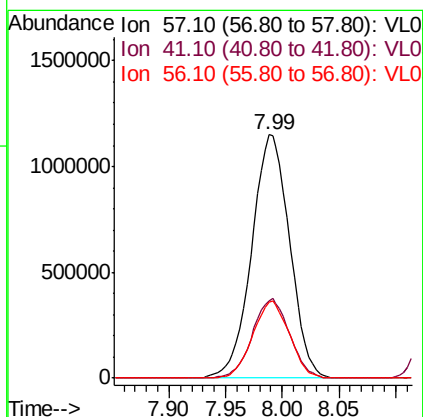
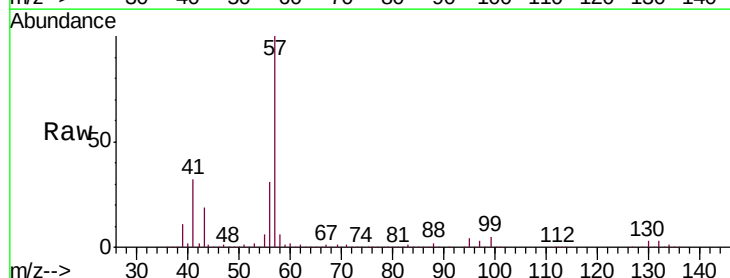
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

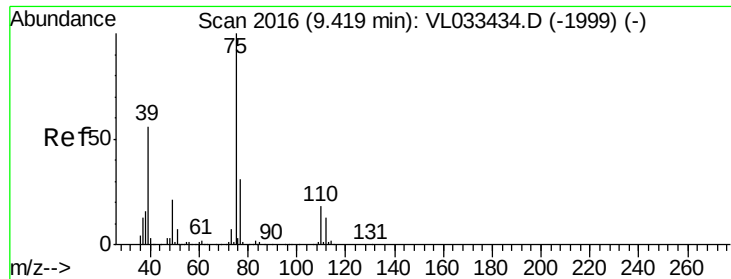
Tgt Ion: 69 Resp: 641779
Ion Ratio Lower Upper
69 100
41 145.5 116.6 174.8
100 31.0 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 8.540 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 57 Resp: 2677163
Ion Ratio Lower Upper
57 100
41 32.0 26.0 39.0
56 30.8 24.6 37.0

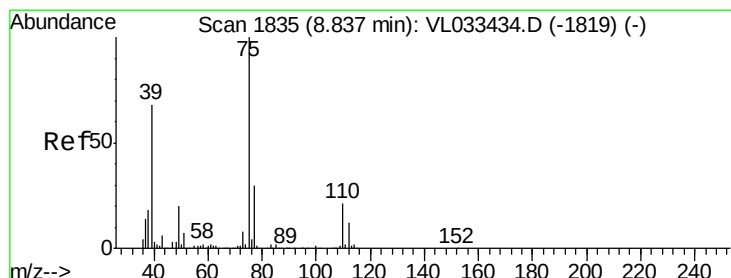
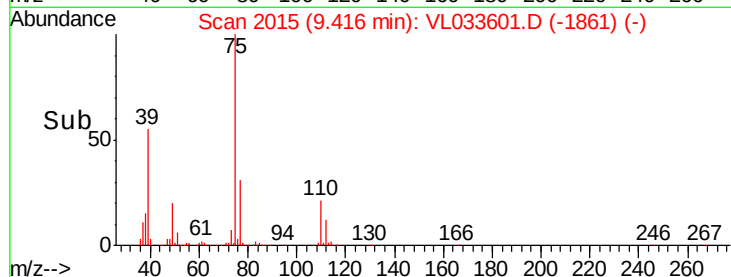
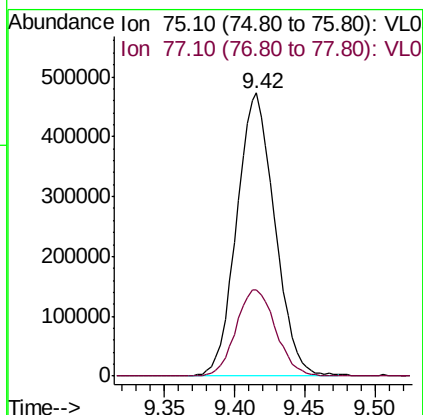
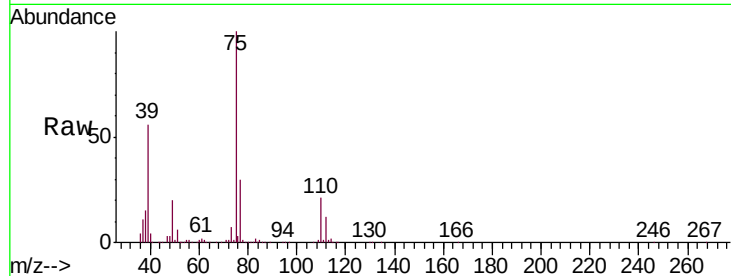




#45
 t-1,3-Dichloropropene
 Concen: 9.967 ppbv
 RT: 9.42 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

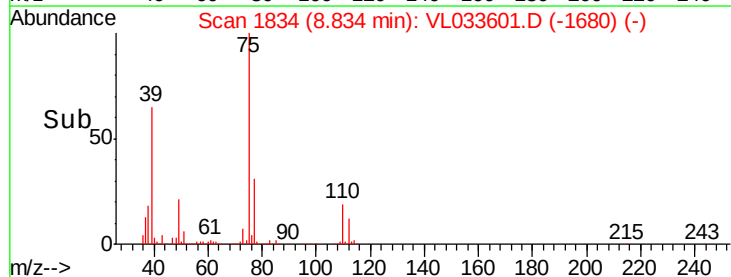
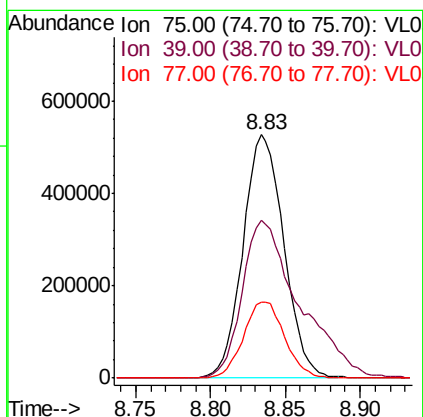
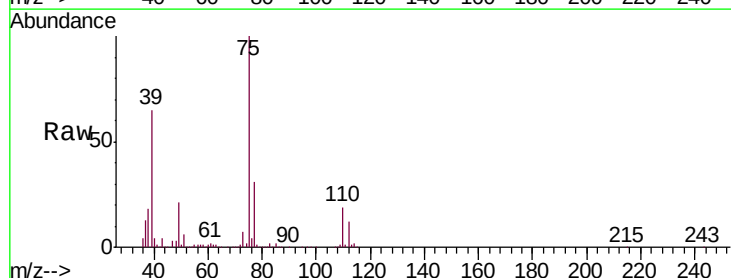
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

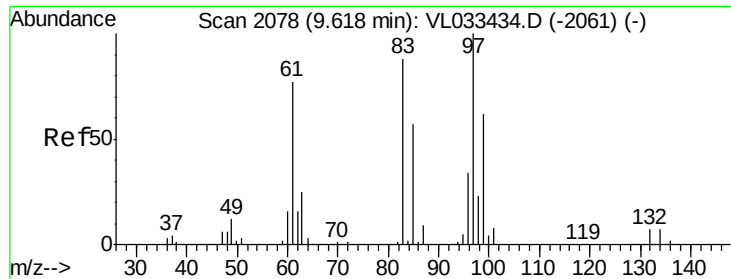
Tgt Ion: 75 Resp: 891365
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7



#46
 cis-1,3-Dichloropropene
 Concen: 9.593 ppbv
 RT: 8.83 min Scan# 1834
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 75 Resp: 1001798
 Ion Ratio Lower Upper
 75 100
 39 64.9 54.1 81.1
 77 31.3 23.9 35.9

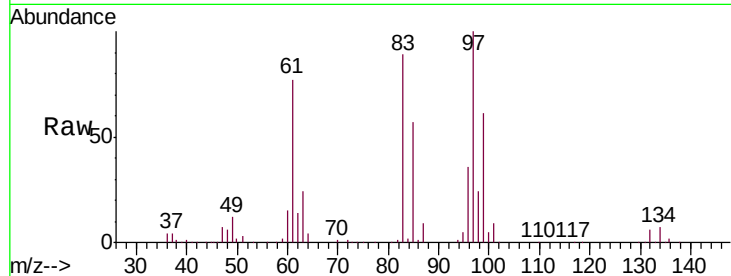




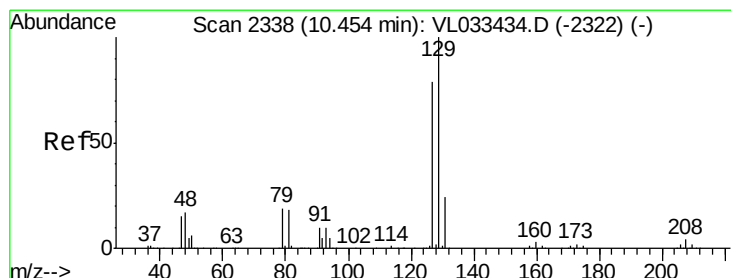
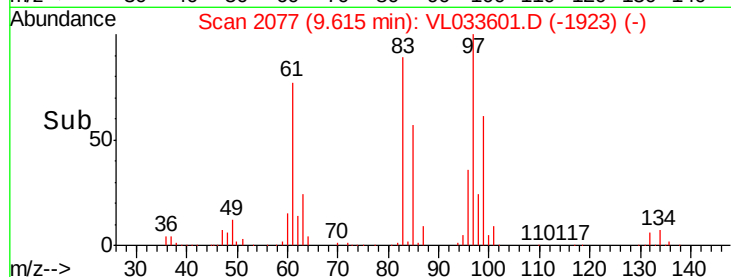
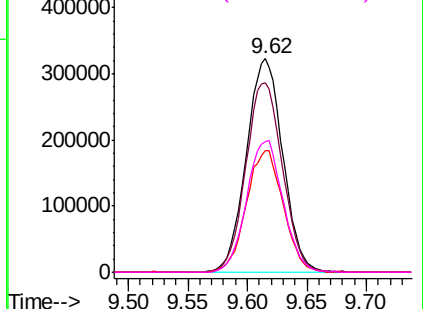
#47
 1,1,2-Trichloroethane
 Concen: 8.577 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Tgt Ion: 97 Resp: 684383
 Ion Ratio Lower Upper
 97 100
 83 88.5 70.5 105.7
 85 57.1 45.6 68.4
 99 61.0 49.4 74.0

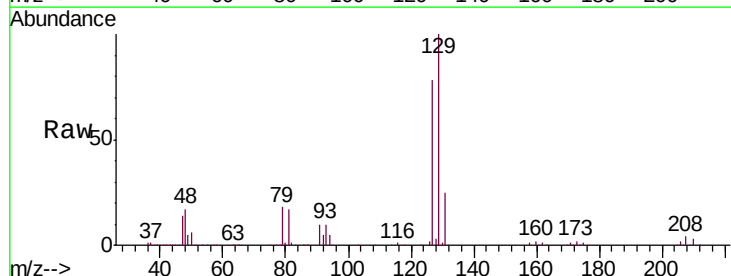


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

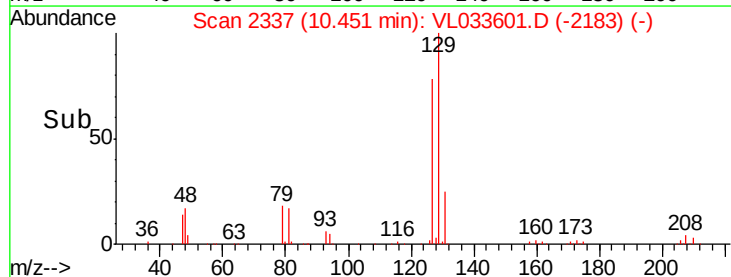
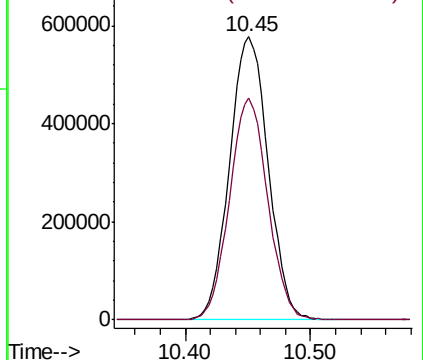


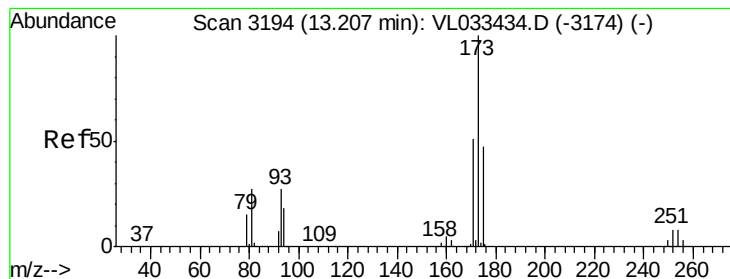
#48
 Dibromochloromethane
 Concen: 9.198 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 129 Resp: 1237978
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.1 117.2



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





#49

Bromoform

Concen: 8.882 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

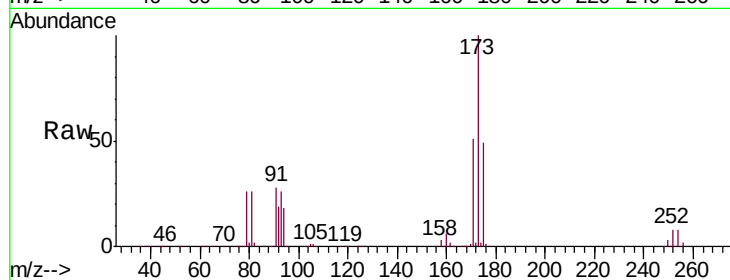
Tgt Ion:173 Resp: 1142050

Ion Ratio Lower Upper

173 100

175 48.6 39.3 58.9

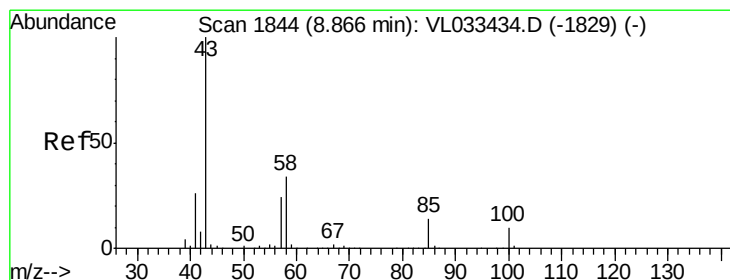
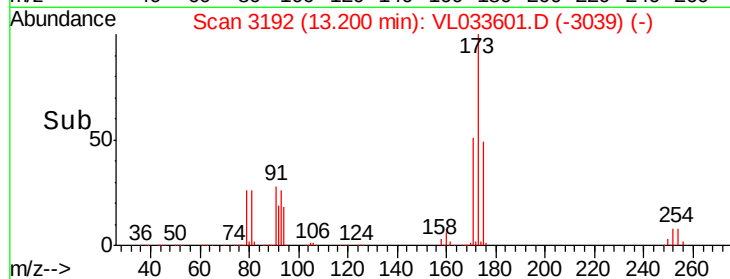
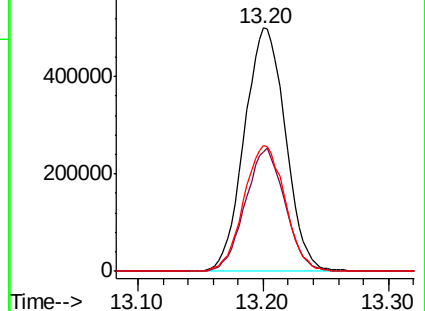
171 51.9 41.2 61.8



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: 8.715 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL033601.D

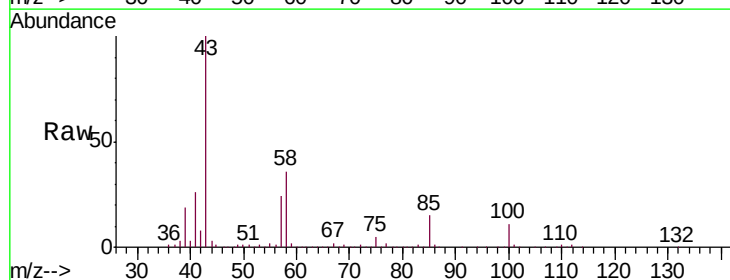
Acq: 17 Apr 2019 14:20

Tgt Ion: 43 Resp: 1639233

Ion Ratio Lower Upper

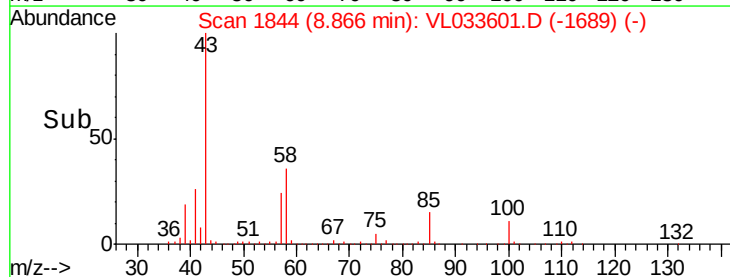
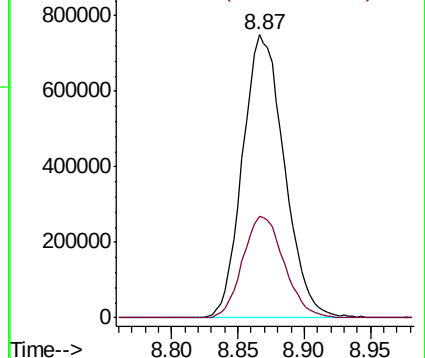
43 100

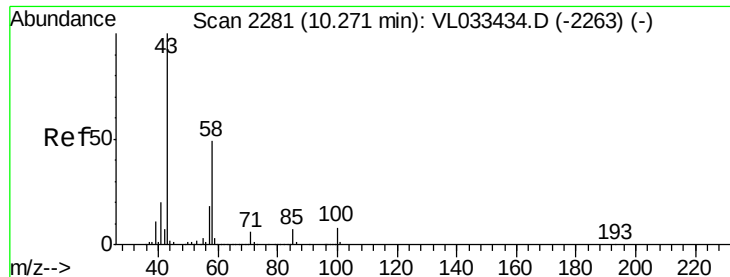
58 35.8 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

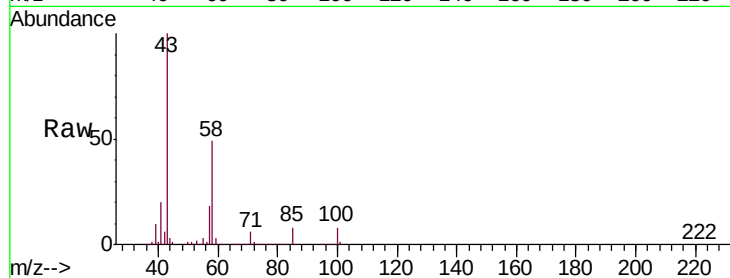




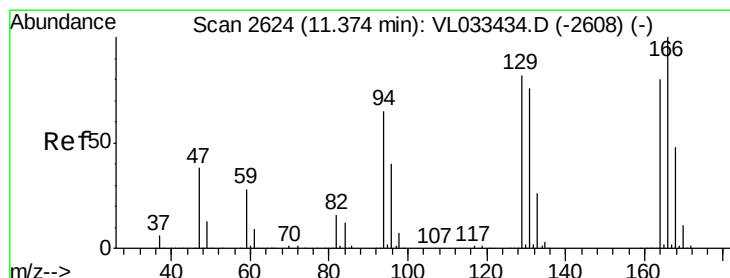
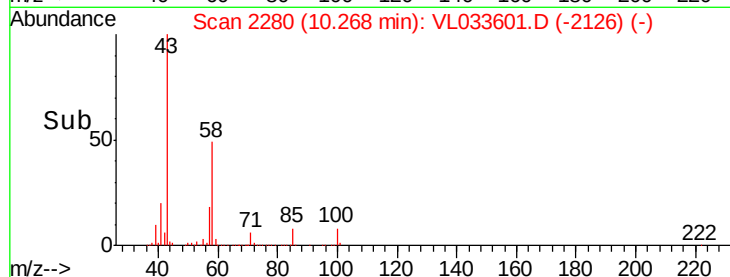
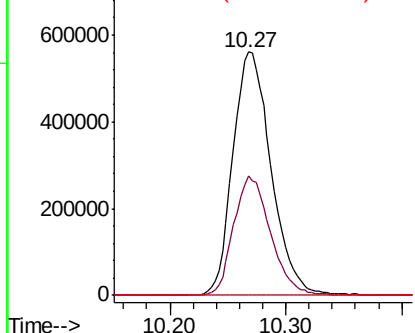
#51
2-Hexanone
Concen: 9.138 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 43 Resp: 1282115
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.2
98 0.4 0.2 0.2#

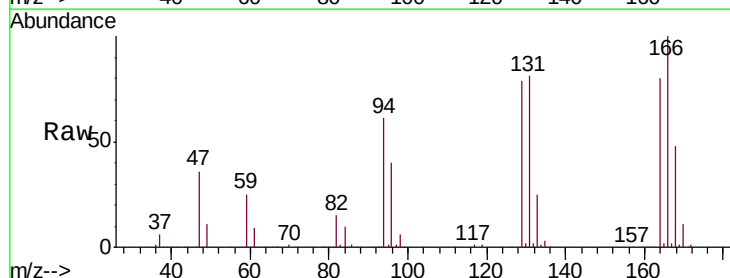


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

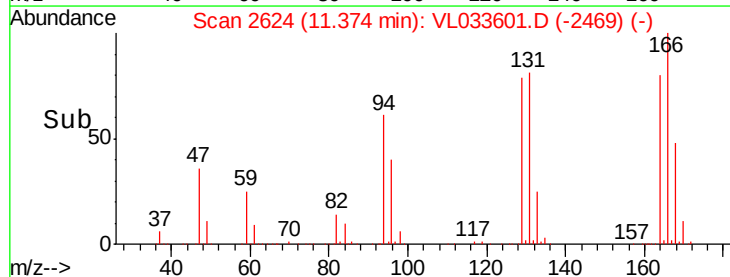
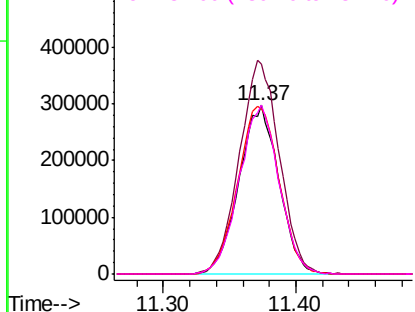


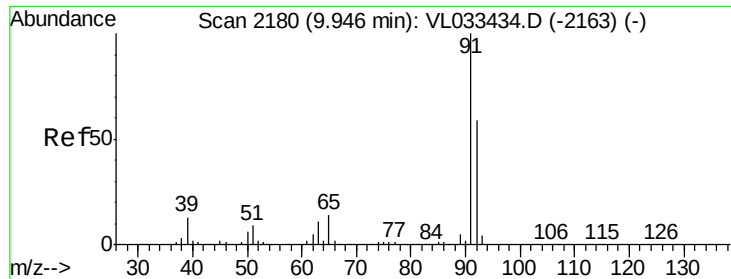
#52
Tetrachloroethene
Concen: 9.172 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 164 Resp: 620796
Ion Ratio Lower Upper
164 100
166 124.6 99.5 149.3
129 97.8 81.4 122.2
131 100.7 75.6 113.4



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: 9.189 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

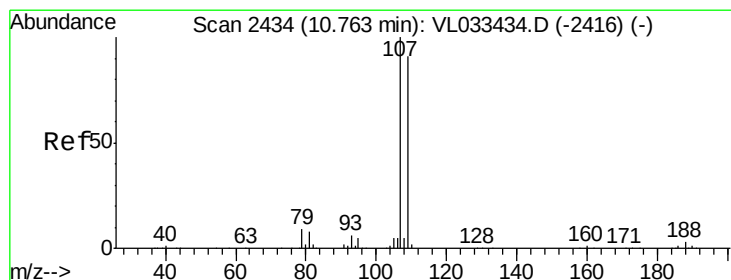
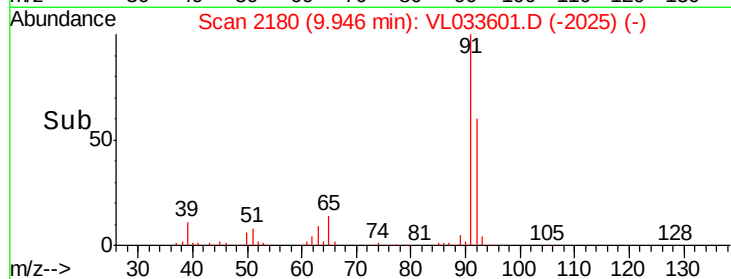
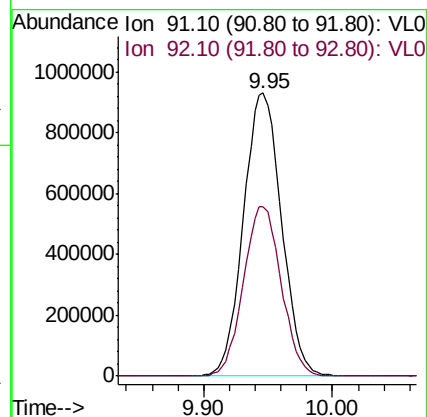
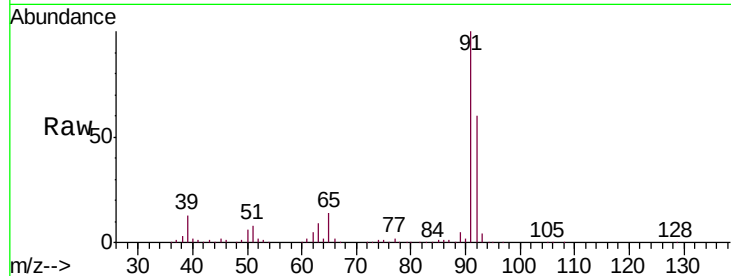
VL0417ABS01

Tgt Ion: 91 Resp: 1915506

Ion Ratio Lower Upper

91 100

92 59.4 47.4 71.0



#54

1,2-Dibromoethane

Concen: 8.696 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033601.D

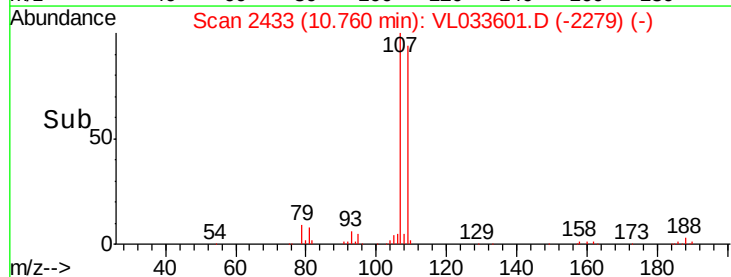
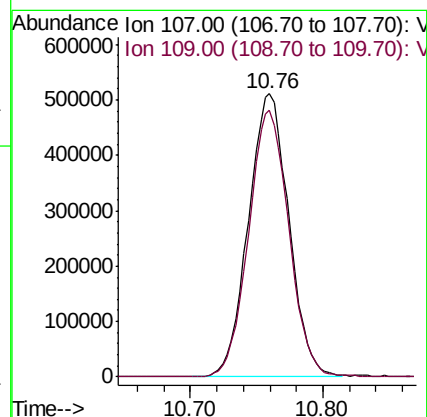
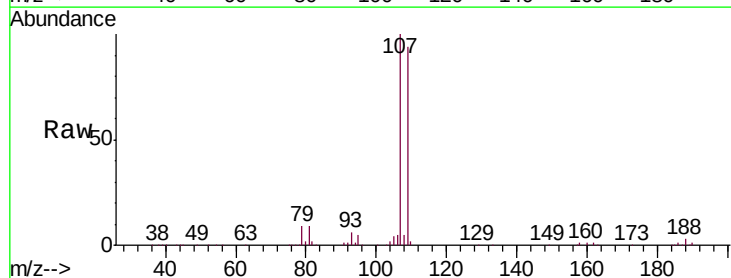
Acq: 17 Apr 2019 14:20

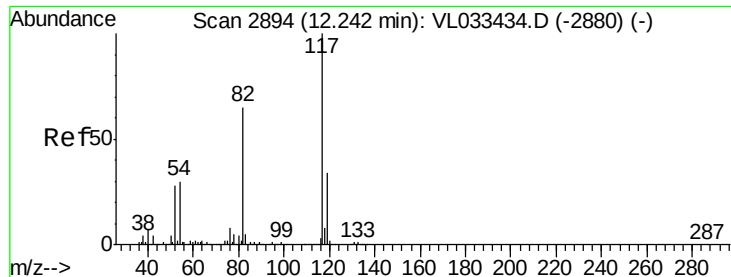
Tgt Ion: 107 Resp: 1085345

Ion Ratio Lower Upper

107 100

109 94.3 72.7 109.1

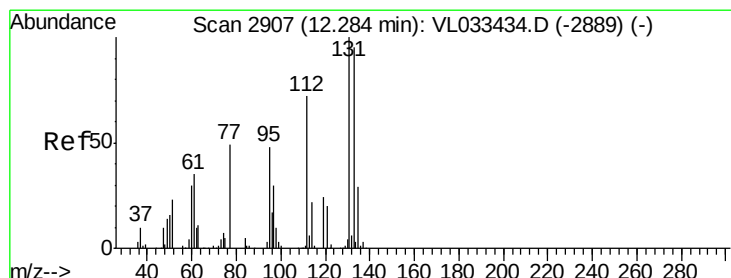
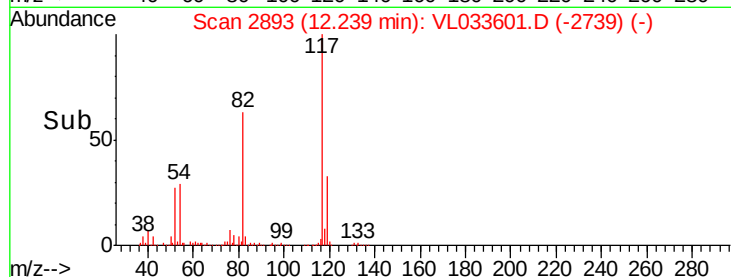
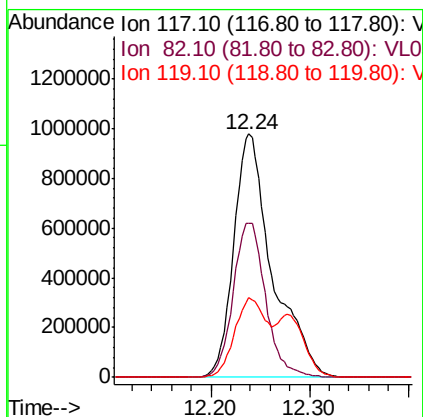
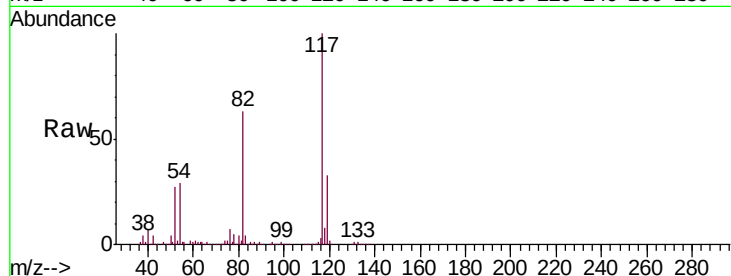




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

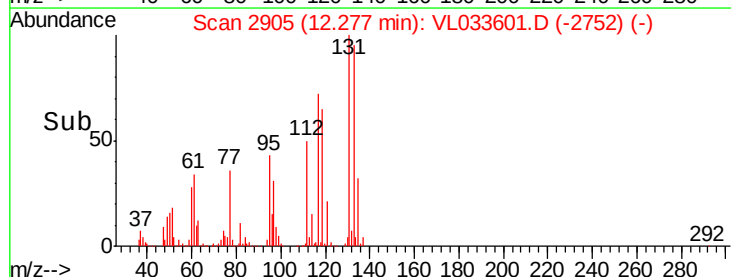
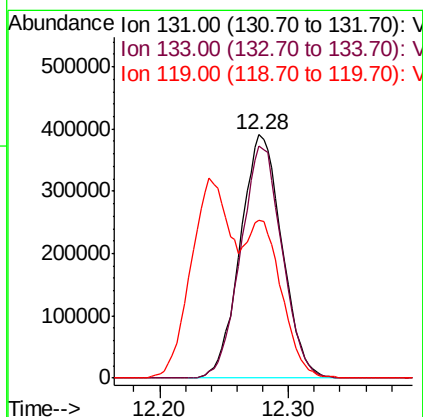
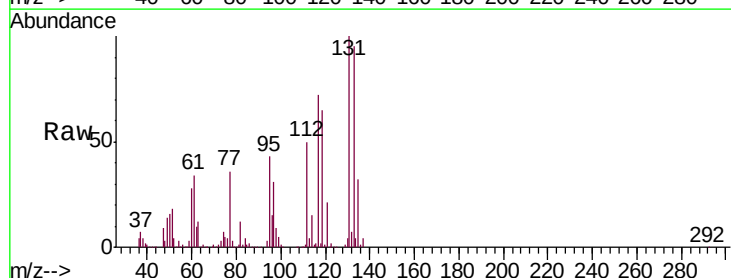
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

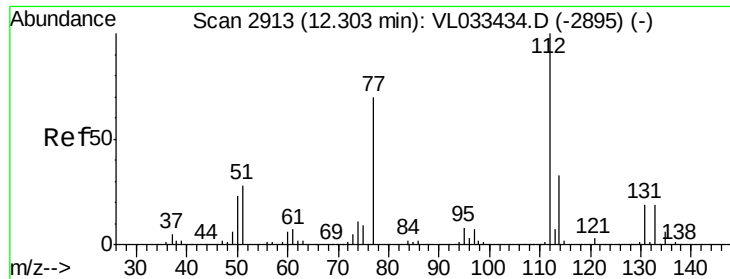
Tgt Ion:117 Resp: 2658793
Ion Ratio Lower Upper
117 100
82 53.9 51.5 77.3
119 26.5 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.208 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:131 Resp: 878284
Ion Ratio Lower Upper
131 100
133 95.1 76.2 114.4
119 53.1 45.0 67.6

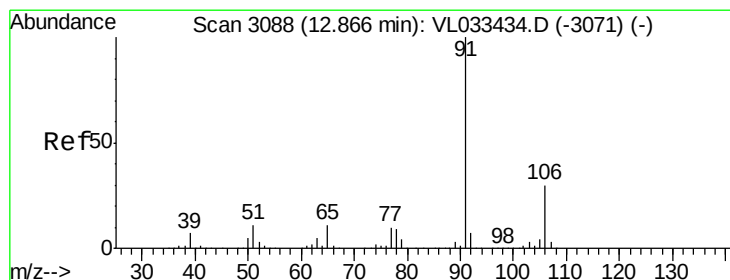
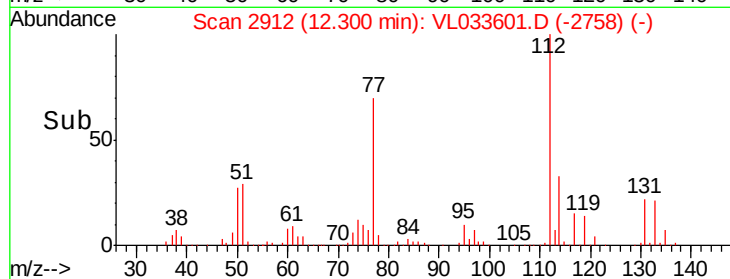
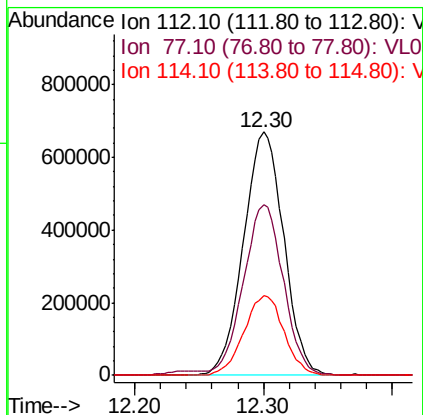
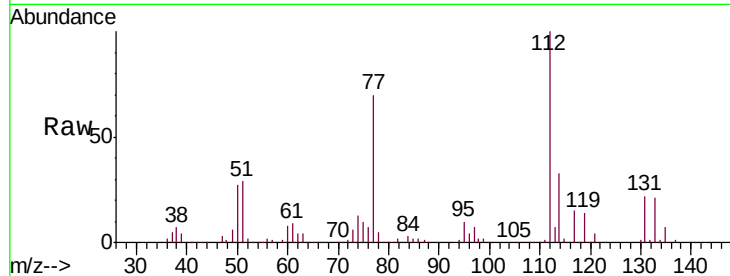




#57
Chlorobenzene
Concen: 7.051 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

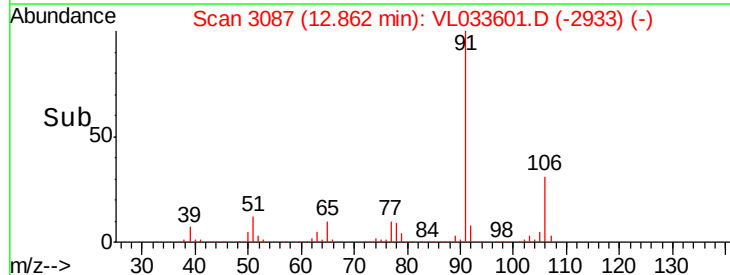
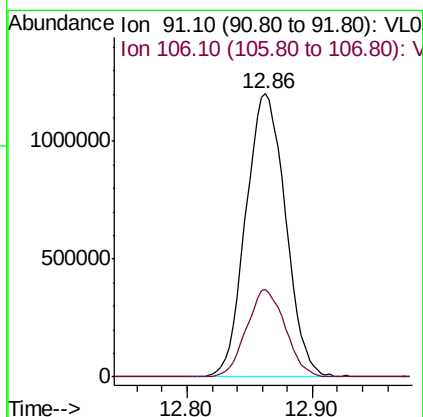
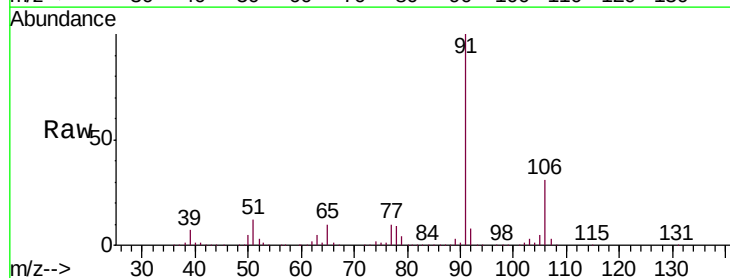
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

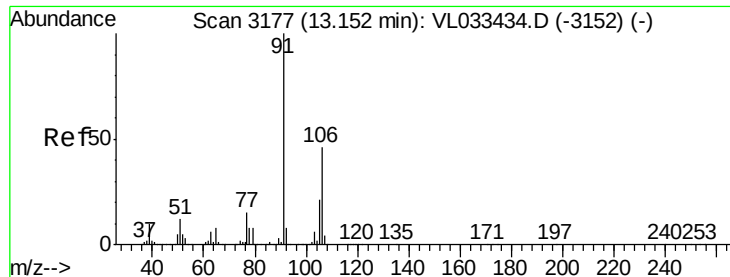
Tgt Ion: 112 Resp: 1455694
Ion Ratio Lower Upper
112 100
77 69.7 57.3 85.9
114 32.6 29.8 36.4



#58
Ethyl Benzene
Concen: 7.466 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 2650971
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.6

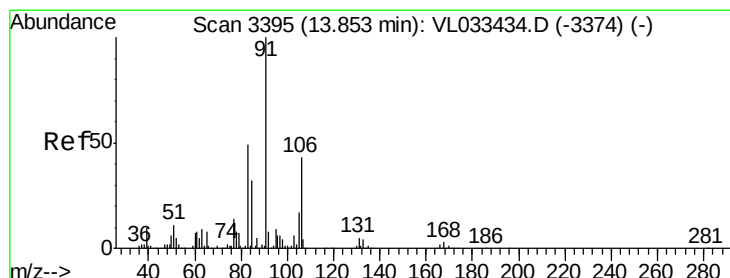
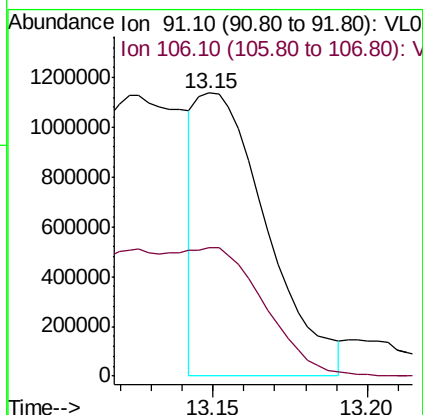
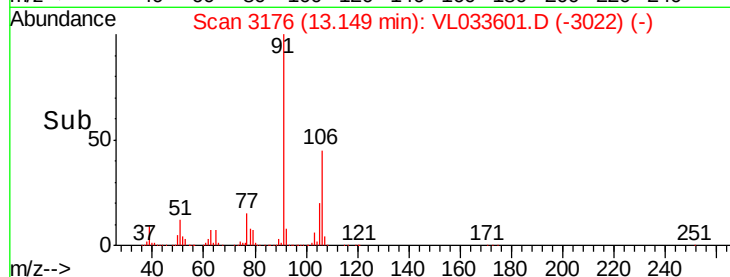
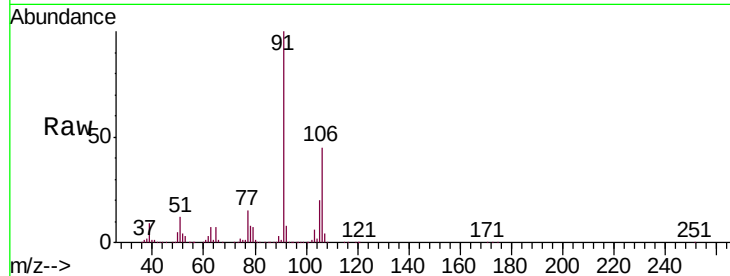




#59
m/p-Xylene
Concen: 5.659 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

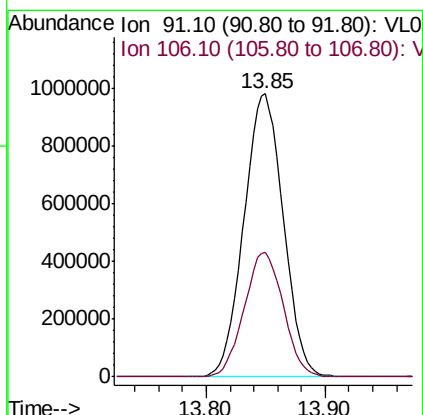
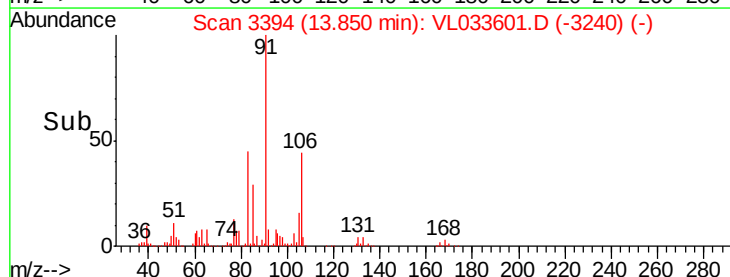
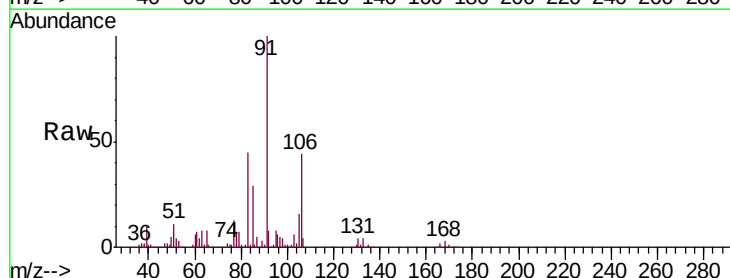
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

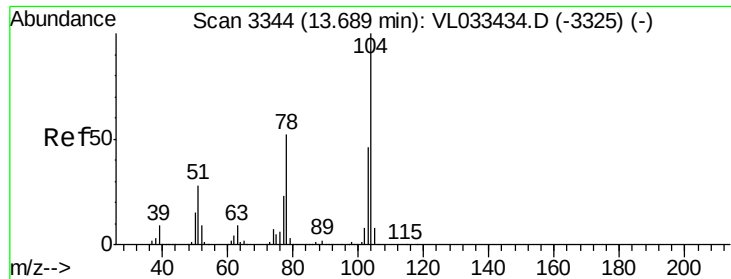
Tgt Ion: 91 Resp: 1794673
Ion Ratio Lower Upper
91 100
106 114.1 0.0 0.0#



#60
o-Xylene
Concen: 7.334 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 2249191
Ion Ratio Lower Upper
91 100
106 43.7 21.4 64.3





#61

Styrene

Concen: 7.960 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

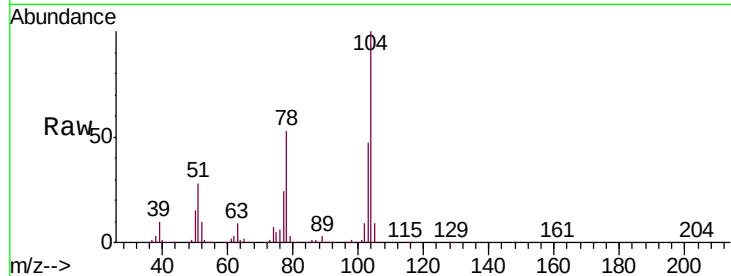
Tgt Ion:104 Resp: 1675387

Ion Ratio Lower Upper

104 100

78 53.5 43.2 64.8

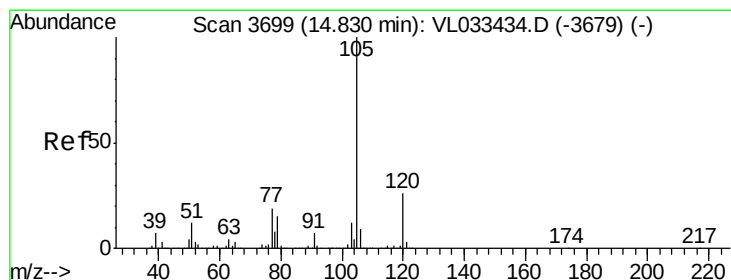
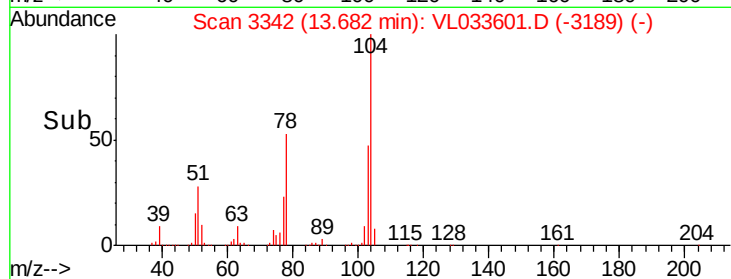
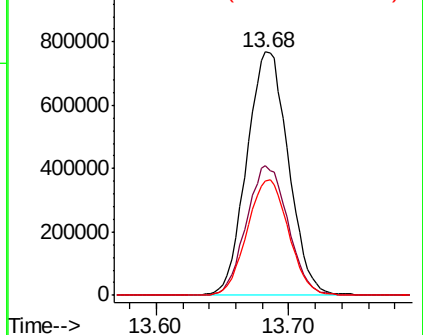
103 47.4 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.288 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL033601.D

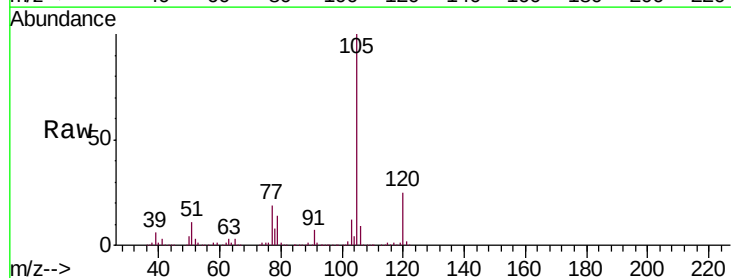
Acq: 17 Apr 2019 14:20

Tgt Ion:105 Resp: 3165172

Ion Ratio Lower Upper

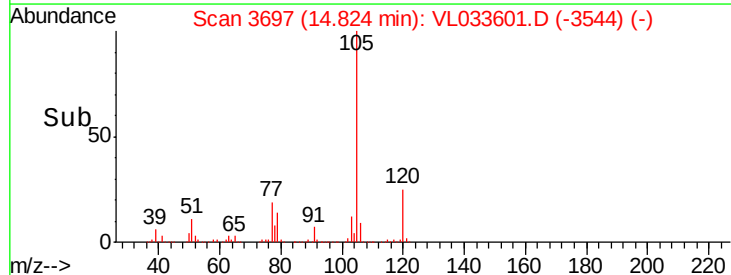
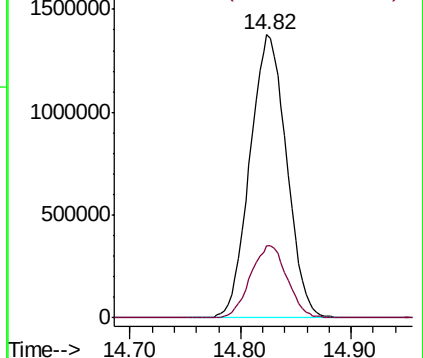
105 100

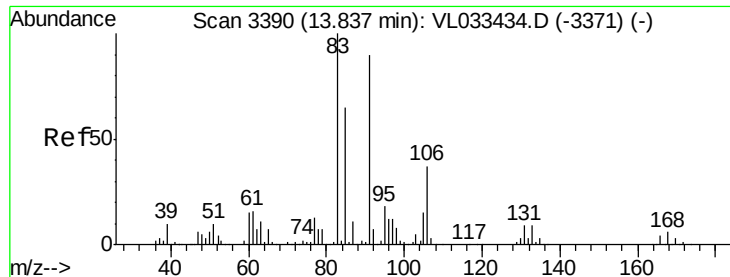
120 25.5 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

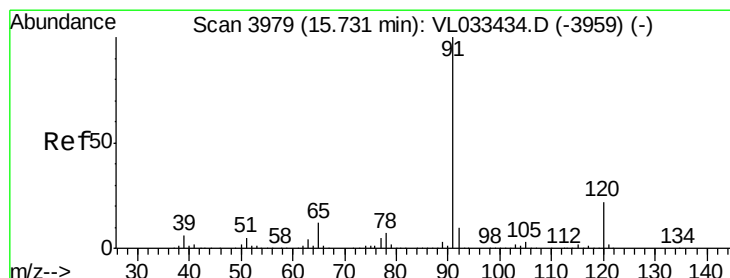
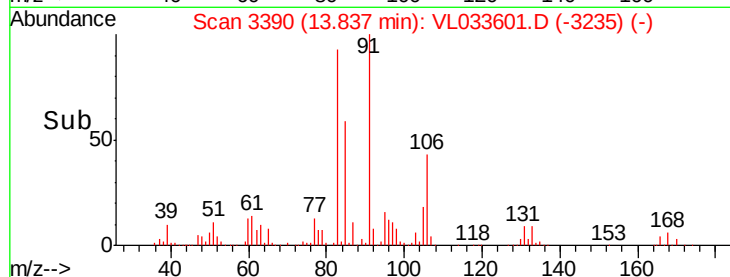
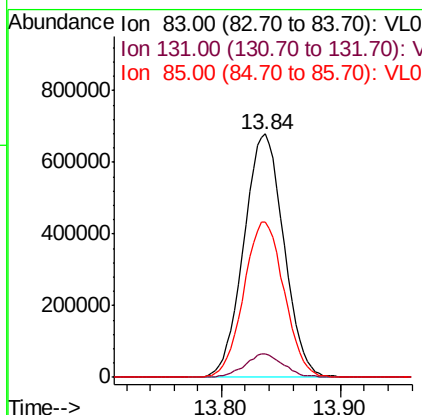
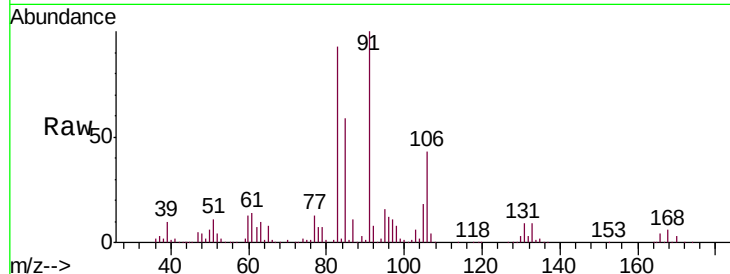




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.006 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

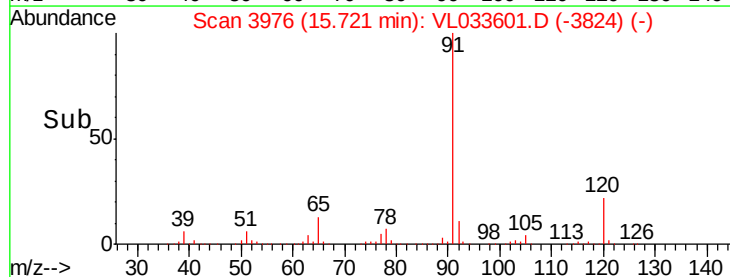
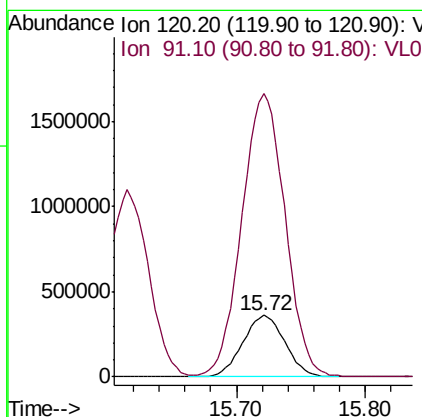
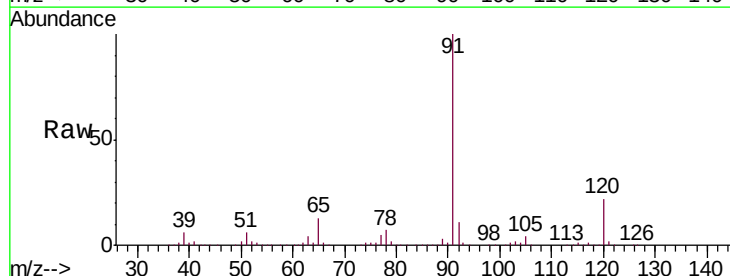
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

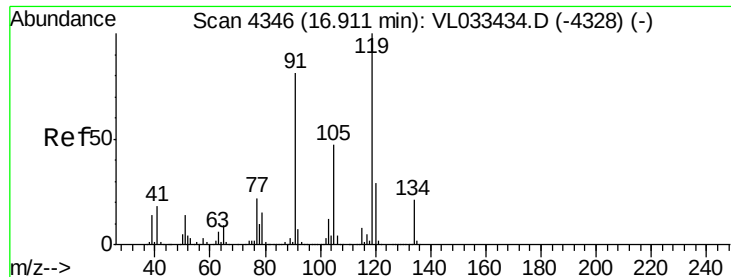
Tgt Ion: 83 Resp: 1582139
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.3 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.488 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 120 Resp: 825160
 Ion Ratio Lower Upper
 120 100
 91 472.0 387.4 581.2

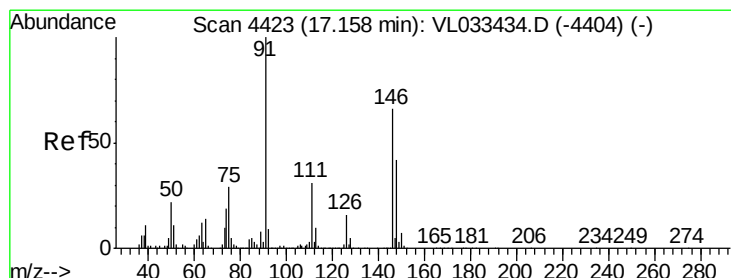
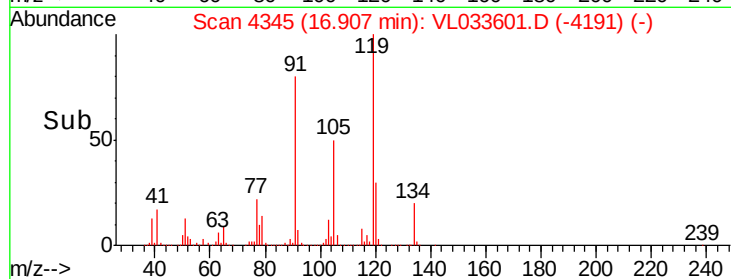
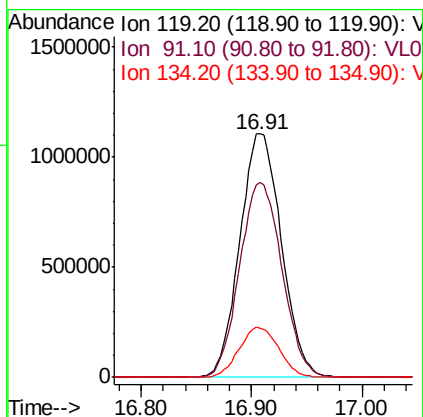
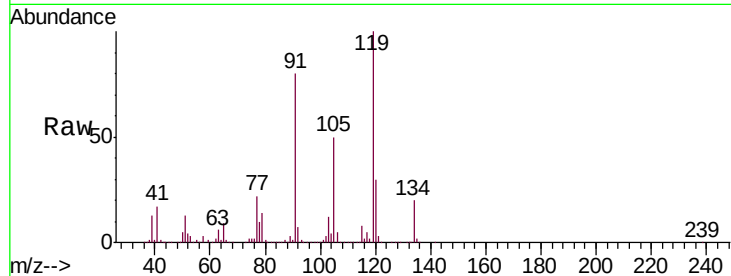




#65
 tert-Butylbenzene
 Concen: 7.551 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

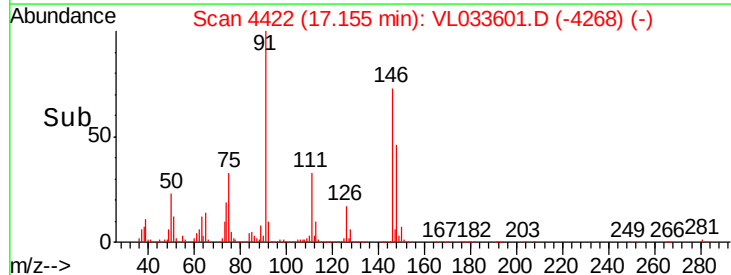
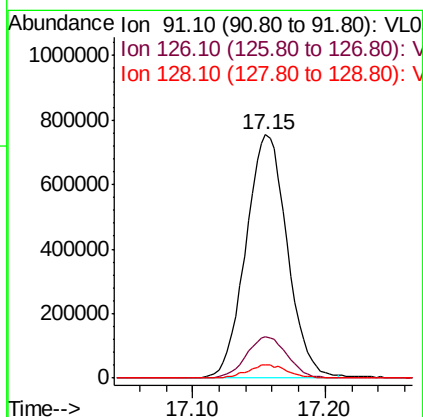
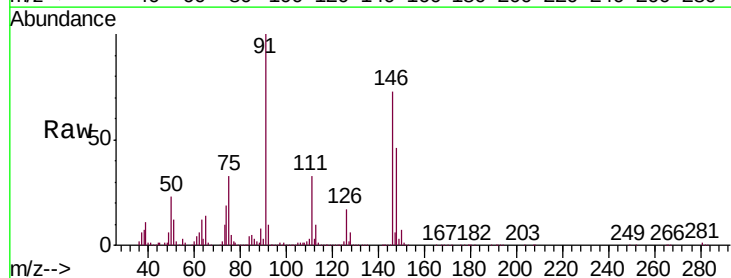
Instrument :
 MSVOA_L
 ClientSampled :
 VL0417ABS01

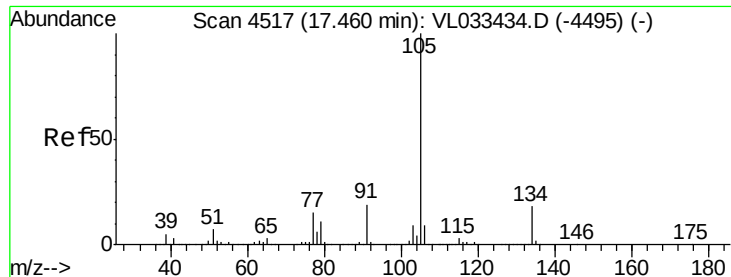
Tgt Ion: 119 Resp: 2889686
 Ion Ratio Lower Upper
 119 100
 91 81.7 66.4 99.6
 134 19.6 15.5 23.3



#66
 Benzyl Chloride
 Concen: 9.207 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 1638456
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.0 19.6
 128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.477 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

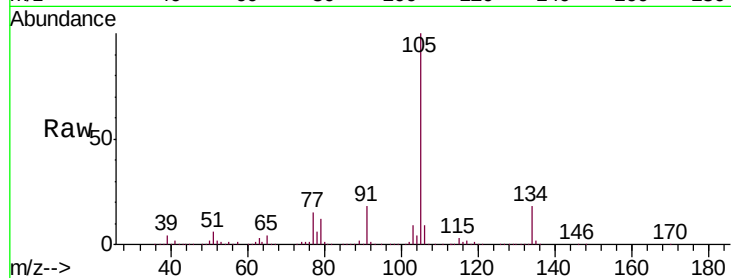
VL0417ABS01

Tgt Ion: 105 Resp: 4069304

Ion Ratio Lower Upper

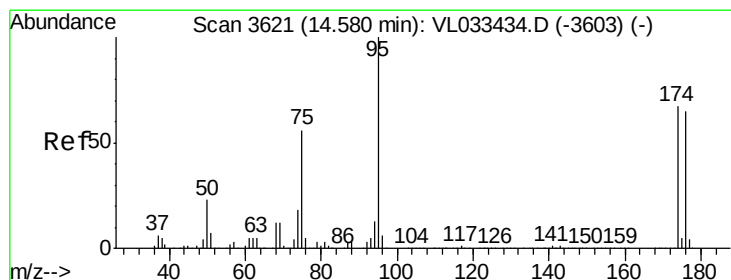
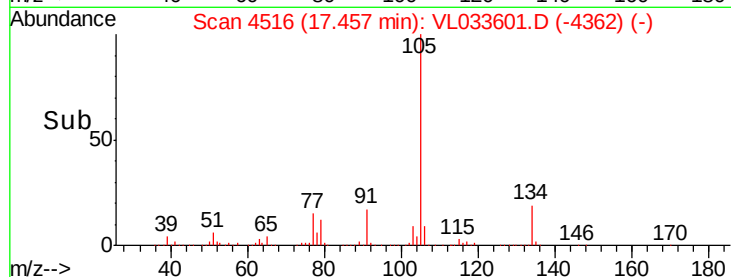
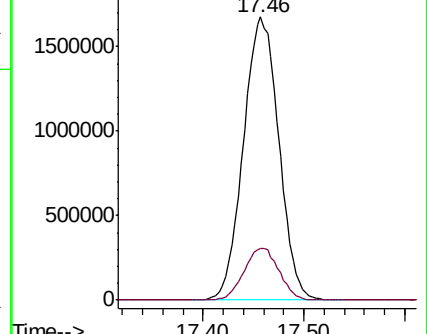
105 100

134 18.3 14.6 21.8



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: 8.398 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

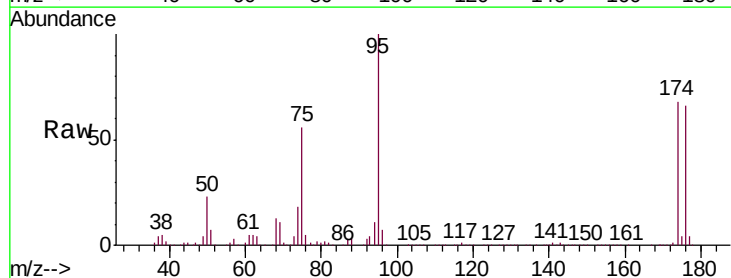
Tgt Ion: 95 Resp: 1750587

Ion Ratio Lower Upper

95 100

174 67.8 52.9 79.3

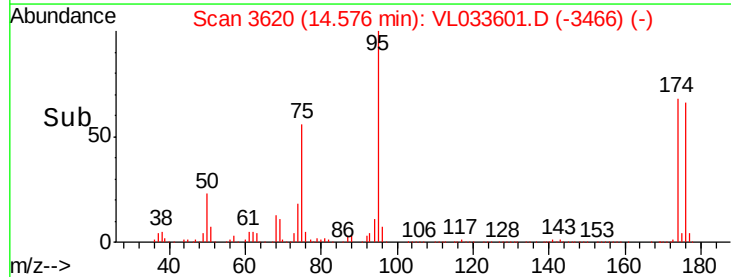
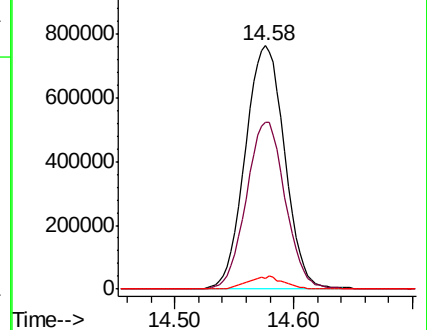
175 4.8 3.8 5.6

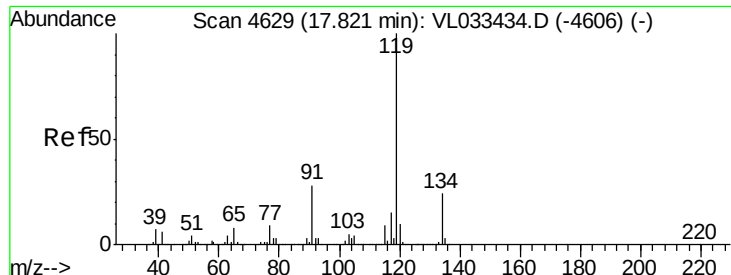


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

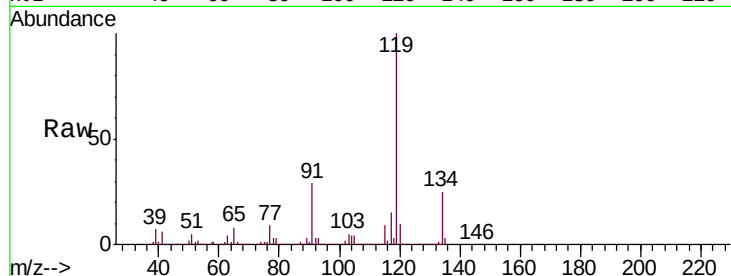




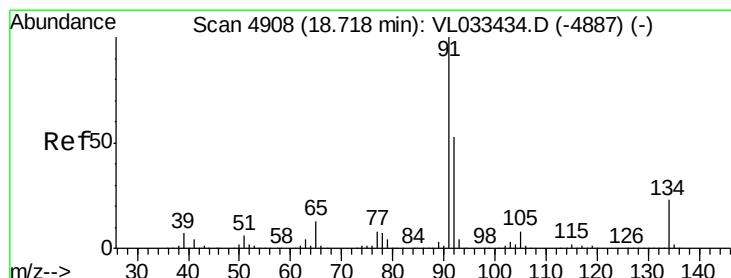
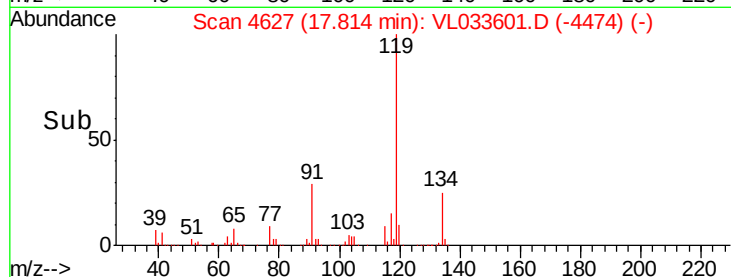
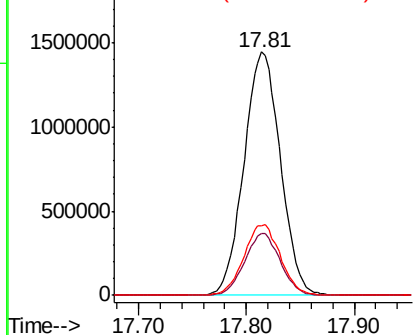
#69
 p-Isopropyltoluene
 Concen: 7.653 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Tgt Ion: 119 Resp: 3391280
 Ion Ratio Lower Upper
 119 100
 134 25.0 19.9 29.9
 91 29.2 23.4 35.0

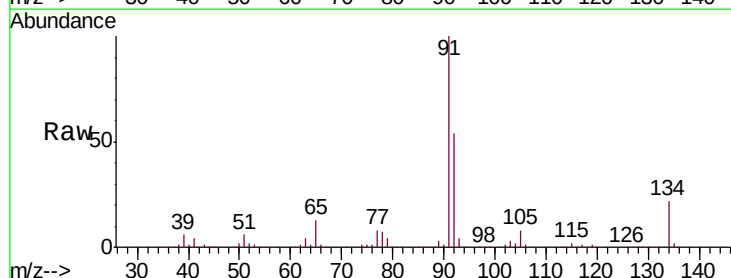


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

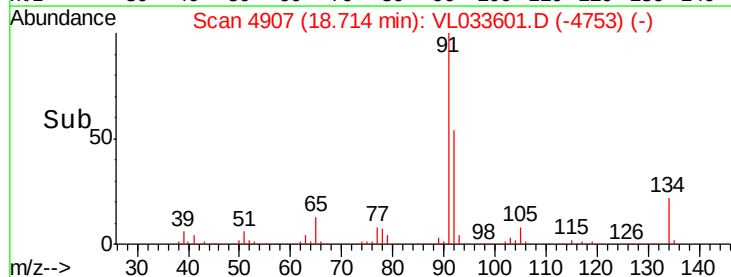
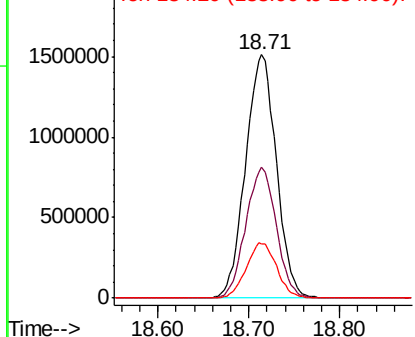


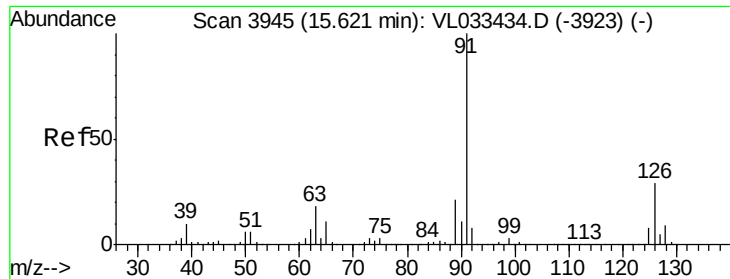
#70
 n-Butylbenzene
 Concen: 7.552 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 3545486
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.6 64.0
 134 22.4 17.5 26.3



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

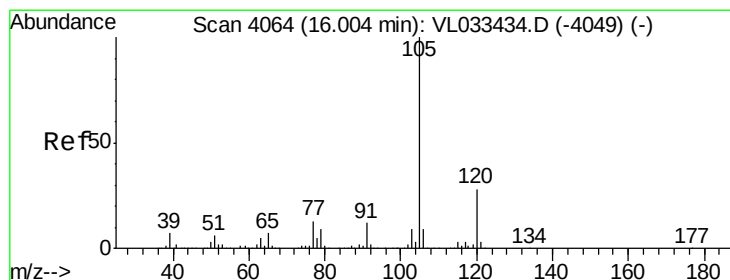
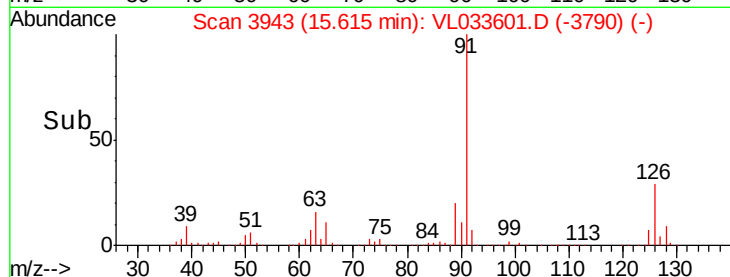
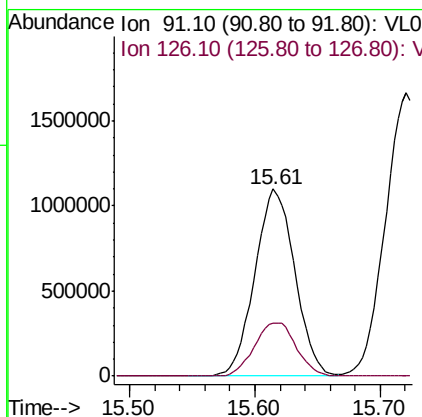
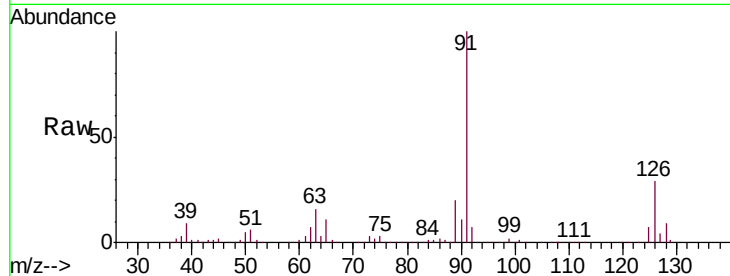




#71
 2-Chlorotoluene
 Concen: 7.403 ppbv
 RT: 15.61 min Scan# 3943
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

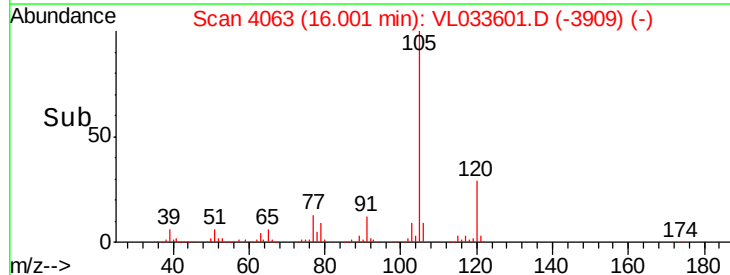
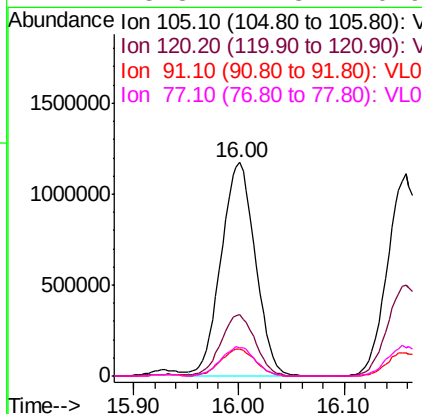
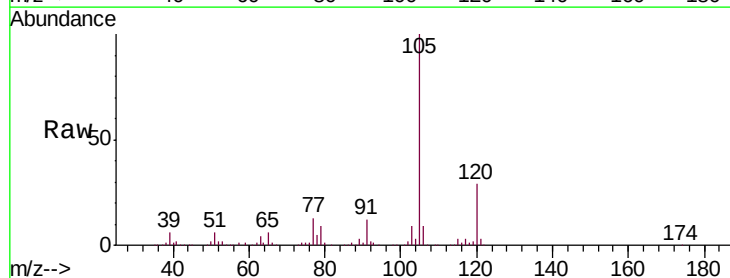
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

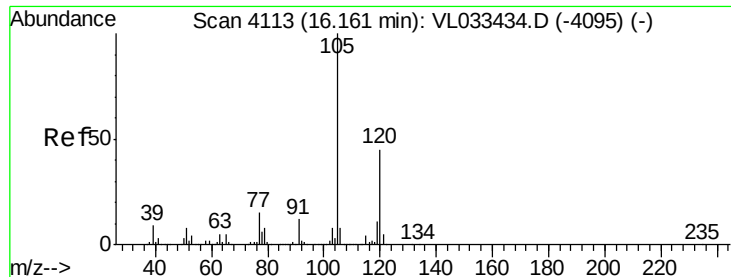
Tgt Ion: 91 Resp: 2444693
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.7 46.9



#72
 4-Ethyltoluene
 Concen: 7.630 ppbv
 RT: 16.00 min Scan# 4063
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion: 105 Resp: 2630230
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.2 34.8
 91 12.9 10.4 15.6
 77 13.8 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 7.687 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

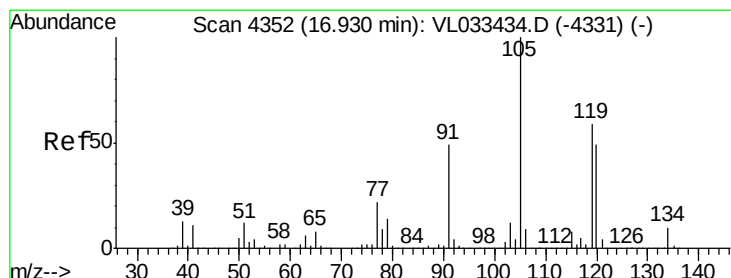
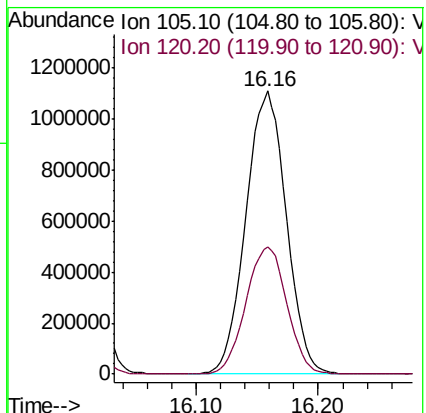
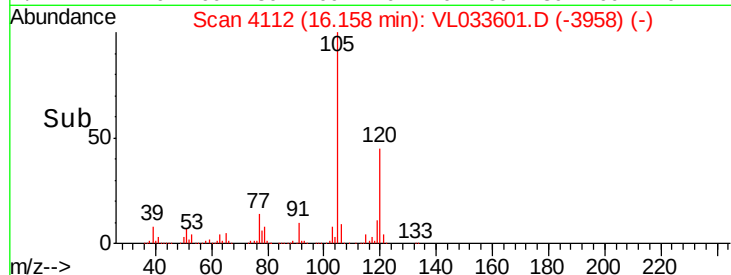
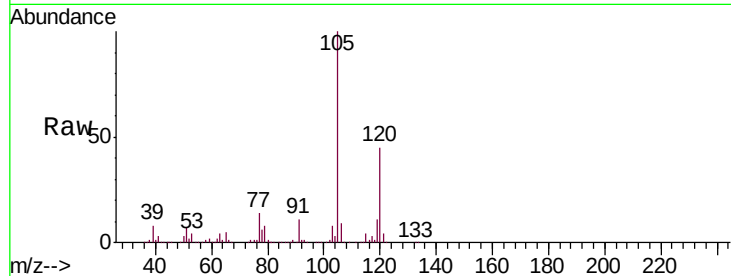
VL0417ABS01

Tgt Ion:105 Resp: 2535711

Ion Ratio Lower Upper

105 100

120 44.9 35.7 53.5



#74

1,2,4-Trimethylbenzene

Concen: 7.463 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Tgt Ion:105 Resp: 2638875

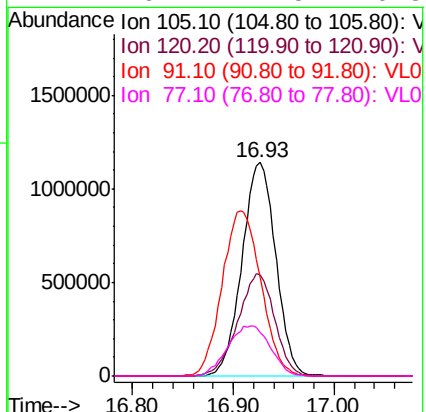
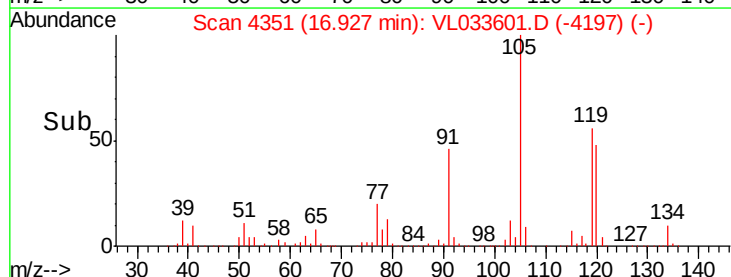
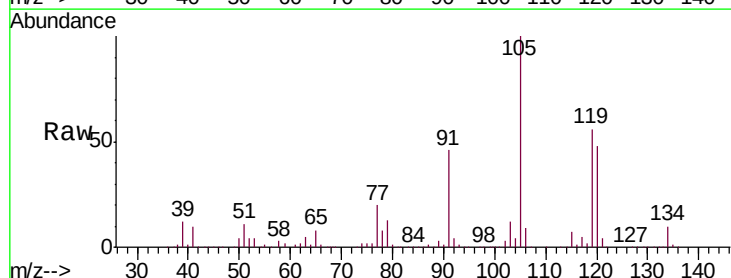
Ion Ratio Lower Upper

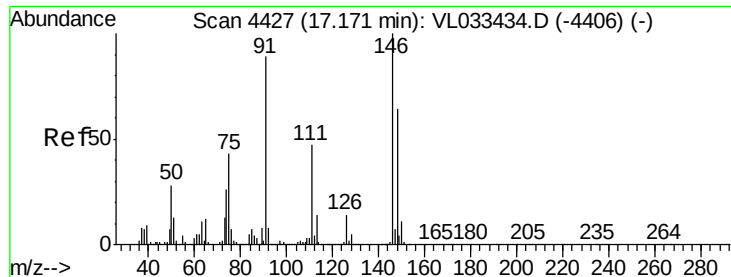
105 100

120 47.5 39.0 58.6

91 45.8 40.0 60.0

77 20.1 17.5 26.3

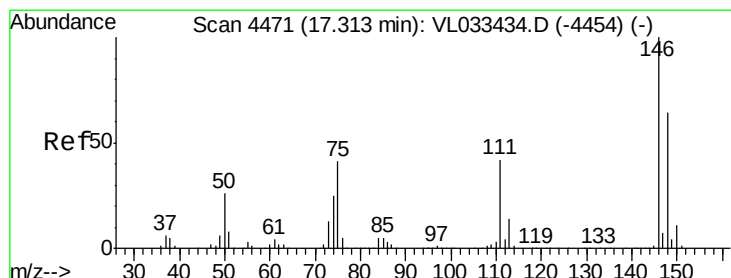
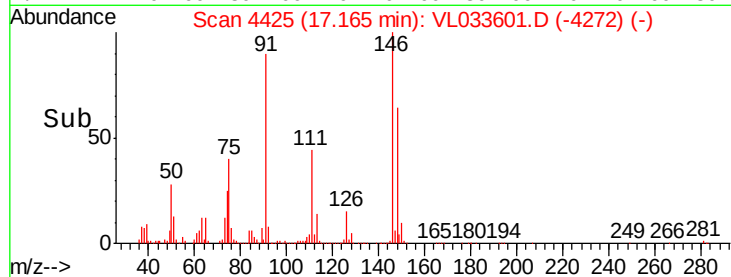
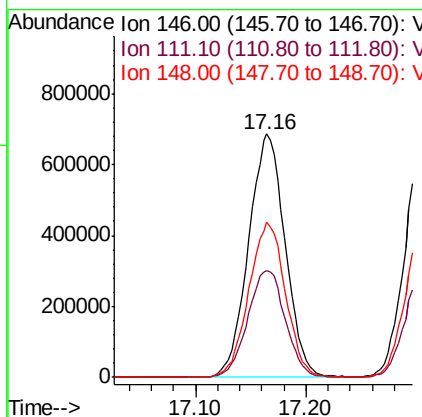
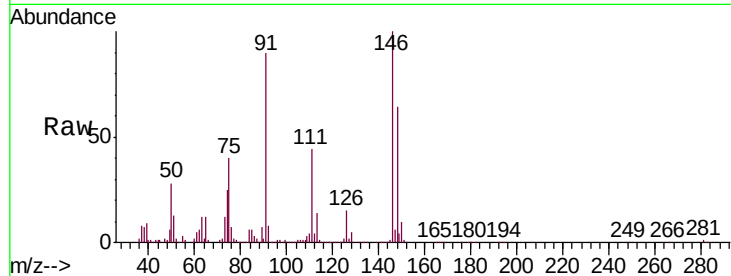




#75
 1,3-Dichlorobenzene
 Concen: 7.201 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

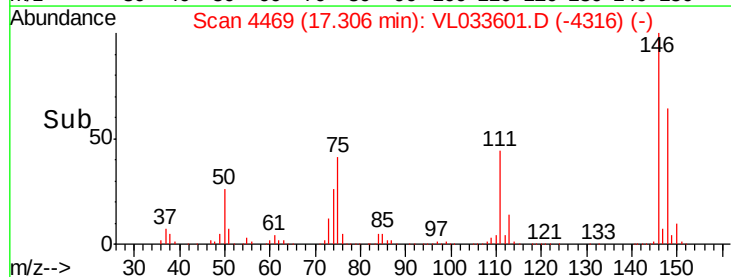
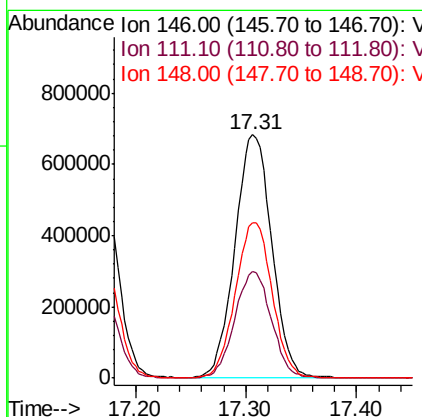
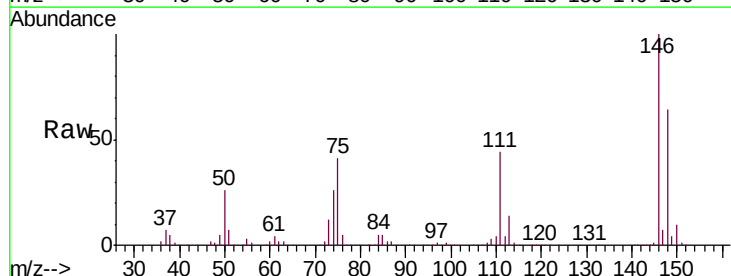
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

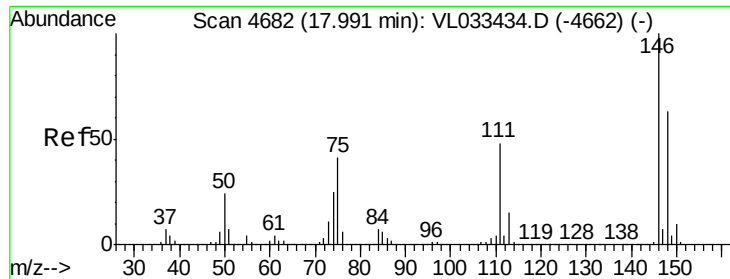
Tgt Ion:146 Resp: 1573624
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.8
 148 64.0 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.400 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion:146 Resp: 1575759
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.7 65.1
 148 64.3 32.0 96.2

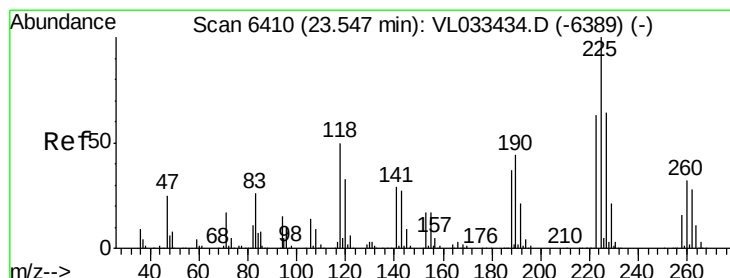
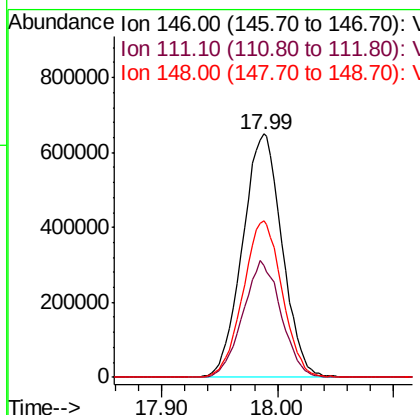
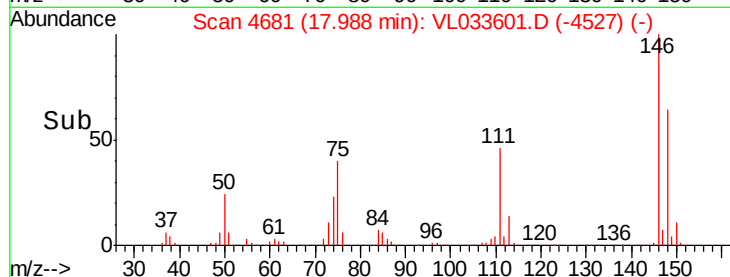
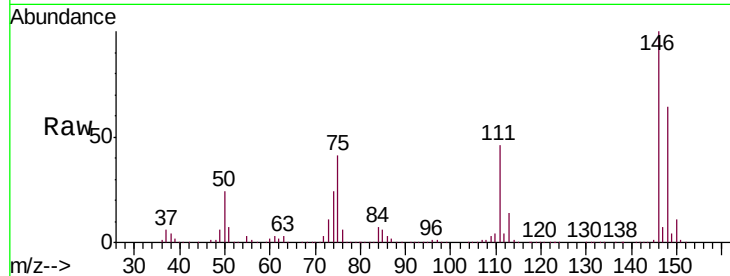




#77
 1,2-Dichlorobenzene
 Concen: 7.426 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. -0.00 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

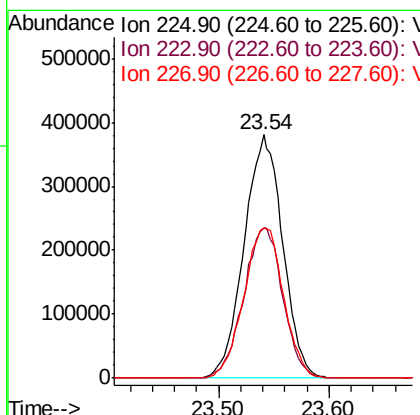
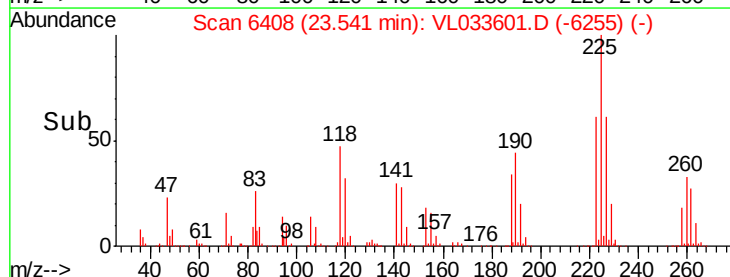
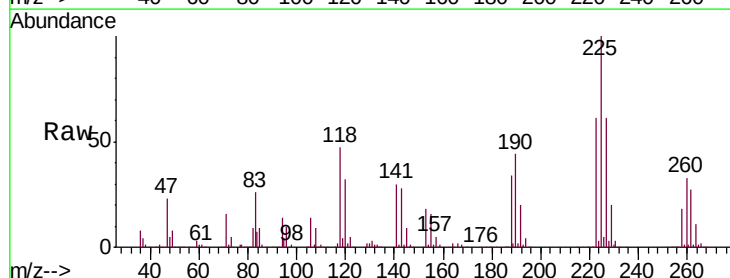
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

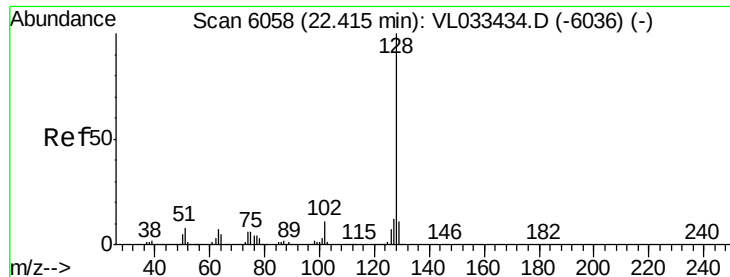
Tgt Ion:146 Resp: 1539870
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.5 70.5
 148 63.7 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.714 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Tgt Ion:225 Resp: 921524
 Ion Ratio Lower Upper
 225 100
 223 62.7 50.0 75.0
 227 63.7 51.1 76.7





#79

Naphthalene

Concen: 8.675 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. -0.01 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABS01

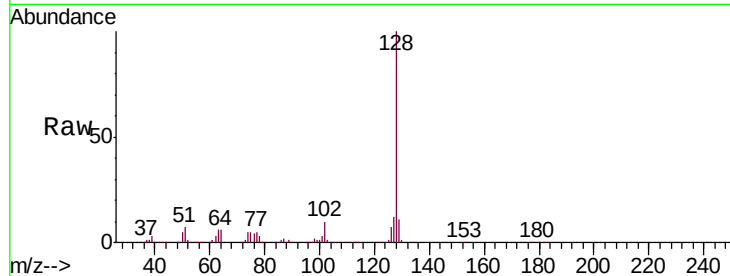
Tgt Ion:128 Resp: 2625785

Ion Ratio Lower Upper

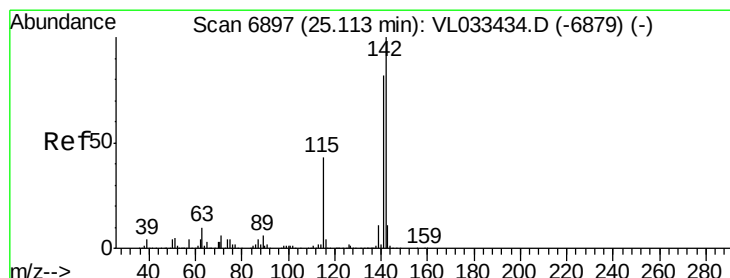
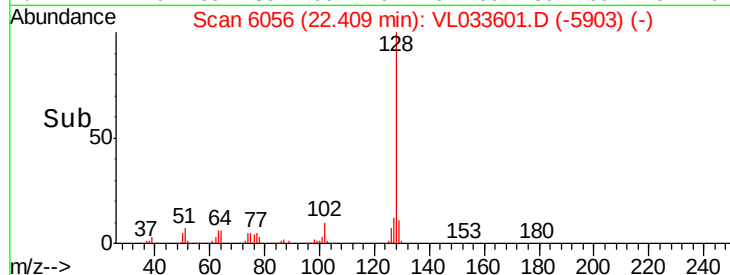
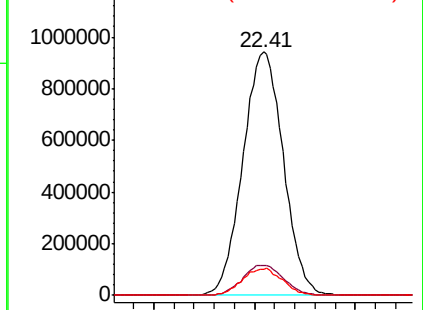
128 100

127 12.4 9.8 14.8

129 10.6 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: 11.001 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033601.D

Acq: 17 Apr 2019 14:20

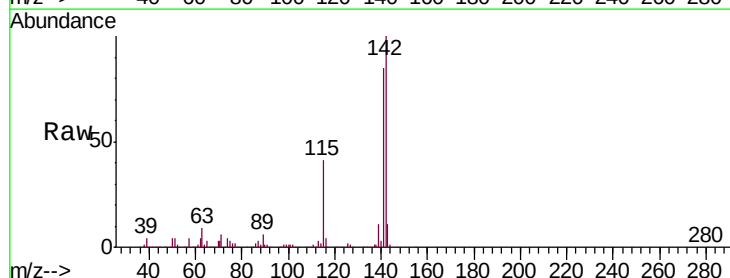
Tgt Ion:142 Resp: 1117519

Ion Ratio Lower Upper

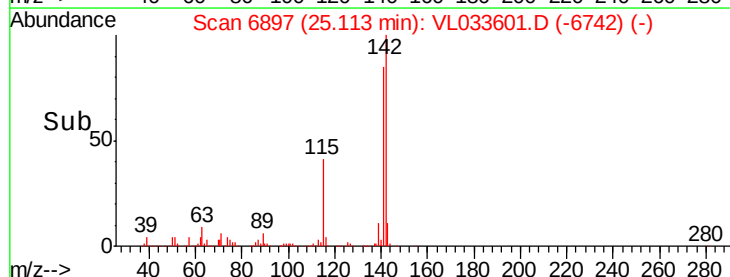
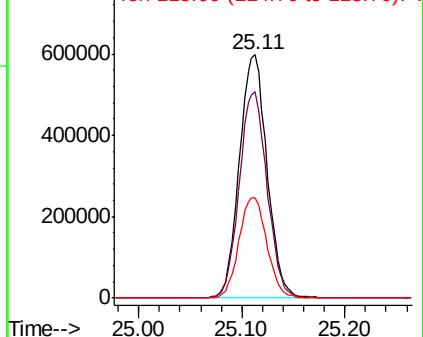
142 100

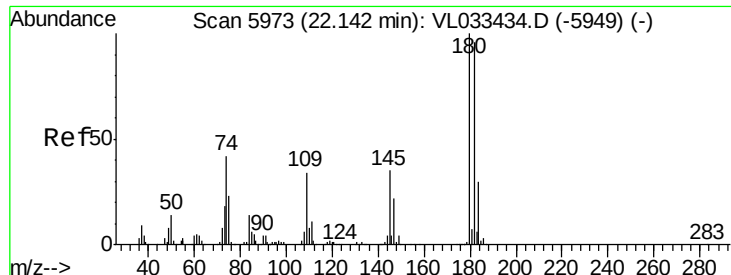
141 85.2 66.6 99.8

115 41.8 34.4 51.6



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: 8.038 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.01 min
 Lab File: VL033601.D
 Acq: 17 Apr 2019 14:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABS01

Tgt Ion:180 Resp: 1349530
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.0 115.4
 184 30.8 24.6 36.8

