

Data File : VL033565.D

Acq On : 10 Apr 2019 15:25

Operator : SY/AP

Sample : VL0410ABS01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Quant Time: Apr 11 03:43:15 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	956817	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2489056	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3009424	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1922807	8.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1175629	8.425	ppbv	99
3) Chlorodifluoromethane	3.01	51	919233	8.345	ppbv	98
4) Chloromethane	3.17	50	497210	8.530	ppbv	97
5) Vinyl Chloride	3.29	62	496261	8.665	ppbv	100
6) Bromomethane	3.52	94	324099	8.806	ppbv	95
7) Chloroethane	3.60	64	185273	8.692	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1234235	8.300	ppbv	98
9) Propene	3.04	41	411301	8.891	ppbv	99
10) Heptane	8.25	43	1066492	8.625	ppbv	99
11) Trichlorofluoromethane	4.00	101	1395798	8.116	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	967412	8.375	ppbv	97
13) Ethanol	3.65	45	105790	8.837	ppbv	65
14) Bromoethene	3.79	108	405924	8.811	ppbv	98
15) Acetone	3.90	43	911665	7.924	ppbv	98
16) 1,3-Butadiene	3.36	39	419764	9.199	ppbv	88
17) tert-Butyl alcohol	4.36	59	177578	8.395	ppbv	98
18) 1,1-Dichloroethene	4.35	96	437946	8.826	ppbv	97
19) Isopropyl Alcohol	4.02	45	598718	8.228	ppbv	100
20) Methylene Chloride	4.41	84	380331	7.788	ppbv	92
21) Allyl Chloride	4.48	41	652089	8.966	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	453421	8.759	ppbv	97
23) Vinyl Acetate	5.16	43	1498805	9.153	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1032730	8.303	ppbv	98
25) Ethyl Acetate	5.77	43	1740940	8.156	ppbv	99
26) Hexane	5.78	57	794160	8.368	ppbv	97
27) Carbon Disulfide	4.62	76	1105118	9.792	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1275984	9.334	ppbv	99
29) Chloroform	5.85	83	1349558	8.295	ppbv	100
30) Cyclohexane	7.25	84	707775	9.427	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	827695	8.772	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1349545	8.711	ppbv	99
34) 2-Butanone	5.33	43	1154567	7.721	ppbv	98
35) Carbon Tetrachloride	7.14	117	1456984	8.264	ppbv	100
36) Benzene	7.01	78	1751055	8.384	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1023854	7.314	ppbv	99
38) Trichloroethene	7.96	130	689811	8.776	ppbv	99
39) 1,2-Dichloropropane	7.74	63	655657	8.014	ppbv	96
40) 1,4-Dioxane	7.96	88	237040	8.124	ppbv	95
41) Tetrahydrofuran	6.15	42	683302	8.307	ppbv	97
42) Bromodichloromethane	7.92	83	1490917	7.820	ppbv	99
43) Methyl Methacrylate	8.14	69	712168	8.398	ppbv	98

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

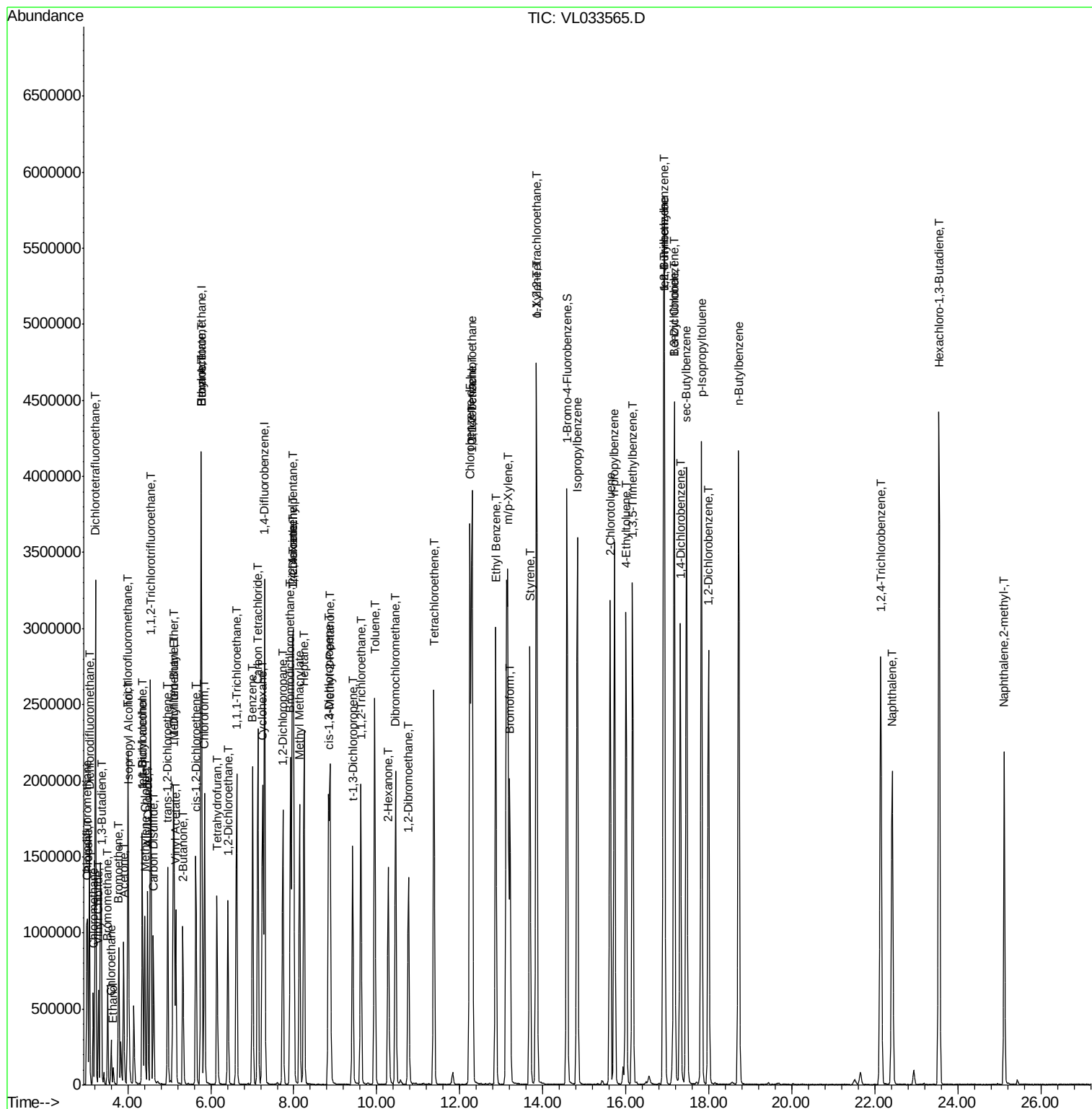
Quant Time: Apr 11 03:43:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

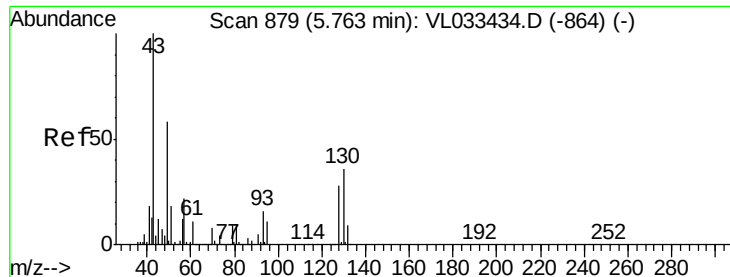
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2818334	7.722	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	967158	9.289	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1079955	8.882	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	717564	7.724	ppbv	97
48) Dibromochloromethane	10.45	129	1304371	8.324	ppbv	100
49) Bromoform	13.21	173	1197459	7.999	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1714163	7.828	ppbv	98
51) 2-Hexanone	10.27	43	1390149	8.511	ppbv	98
52) Tetrachloroethene	11.38	164	668190	8.480	ppbv	98
53) Toluene	9.95	91	2108843	8.689	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1161514	7.993	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	917762	6.654	ppbv #	54
57) Chlorobenzene	12.30	112	1561697	6.683	ppbv	95
58) Ethyl Benzene	12.87	91	2862457	7.123	ppbv	99
59) m/p-Xylene	13.15	91	2350001	6.547	ppbv #	100
60) o-Xylene	13.85	91	2349502	6.769	ppbv	98
61) Styrene	13.69	104	1788071	7.505	ppbv	98
62) Isopropylbenzene	14.83	105	3326648	6.768	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1626800	6.365	ppbv	99
64) n-propylbenzene	15.72	120	875929	7.023	ppbv	95
65) tert-Butylbenzene	16.91	119	2990459	6.904	ppbv	97
66) Benzyl Chloride	17.16	91	1717830	8.529	ppbv	99
67) sec-Butylbenzene	17.46	105	4222457	6.855	ppbv	100
69) p-Isopropyltoluene	17.82	119	3532515	7.043	ppbv	99
70) n-Butylbenzene	18.72	91	3640865	6.851	ppbv	99
71) 2-Chlorotoluene	15.62	91	2600330	6.957	ppbv	99
72) 4-Ethyltoluene	16.00	105	2803156	7.184	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2663091	7.132	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2730922	6.824	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1640014	6.630	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	1624579	6.741	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1597742	6.808	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1191852	7.671	ppbv	99
79) Naphthalene	22.42	128	2735548	7.985	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1246815	10.844	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1415710	7.450	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033565.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

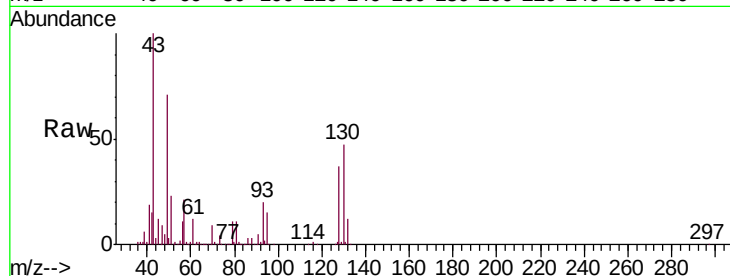
Tgt Ion: 49 Resp: 956817

Ion Ratio Lower Upper

49 100

128 51.8 24.0 72.0

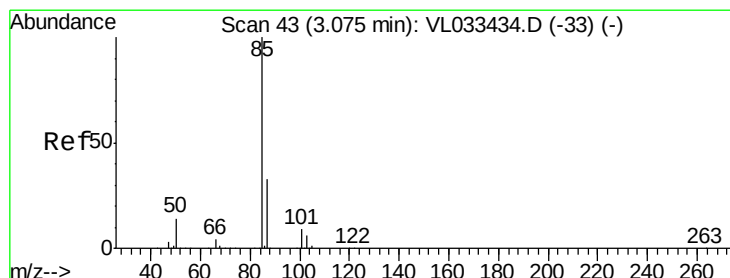
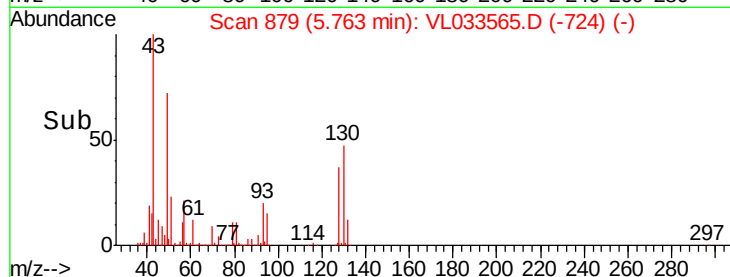
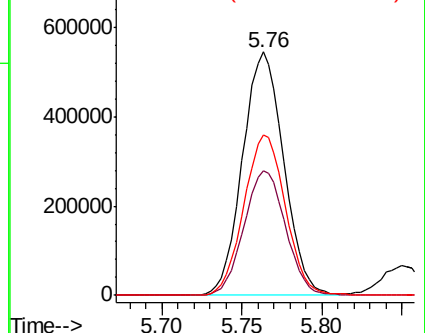
130 66.8 31.2 93.6



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: 8.425 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033565.D

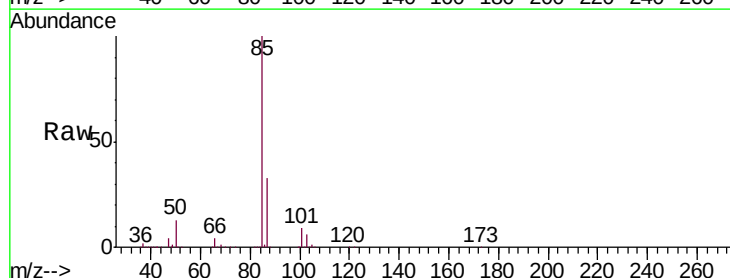
Acq: 10 Apr 2019 15:25

Tgt Ion: 85 Resp: 1175629

Ion Ratio Lower Upper

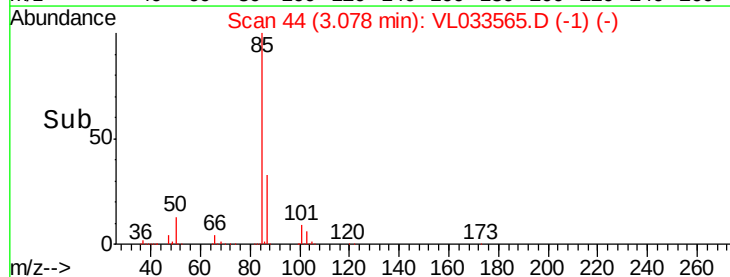
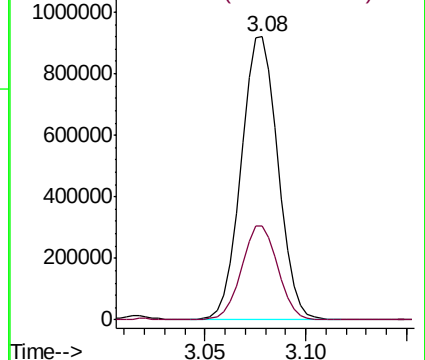
85 100

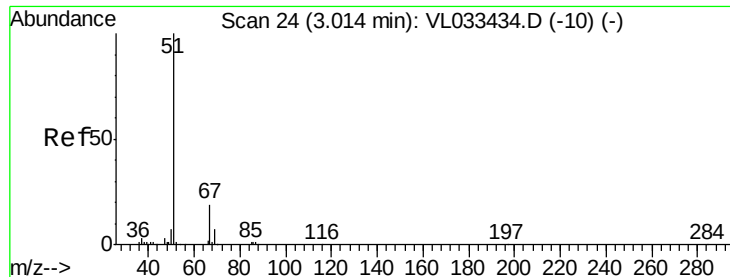
87 33.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.345 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

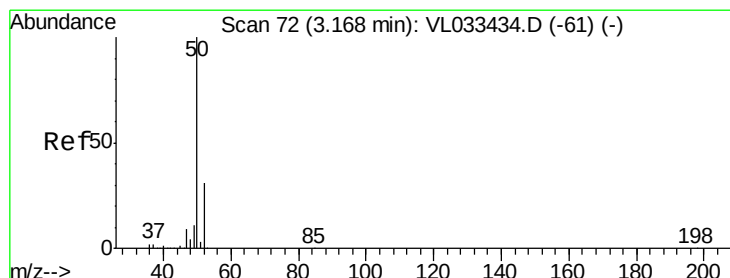
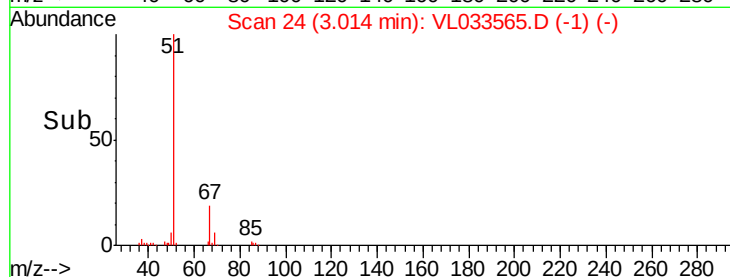
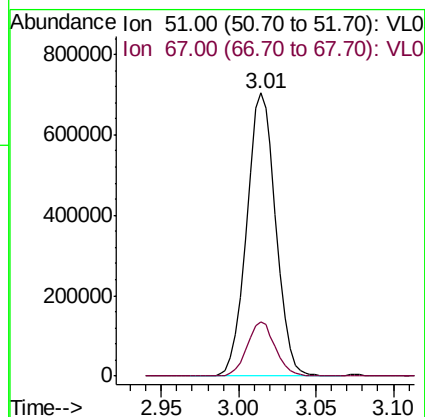
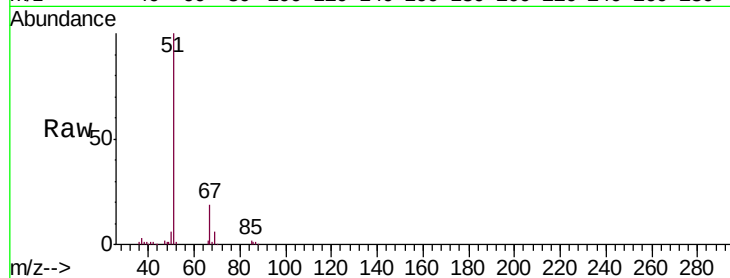
VL0410ABS01

Tgt Ion: 51 Resp: 919233

Ion Ratio Lower Upper

51 100

67 18.5 15.7 23.5



#4

Chloromethane

Concen: 8.530 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033565.D

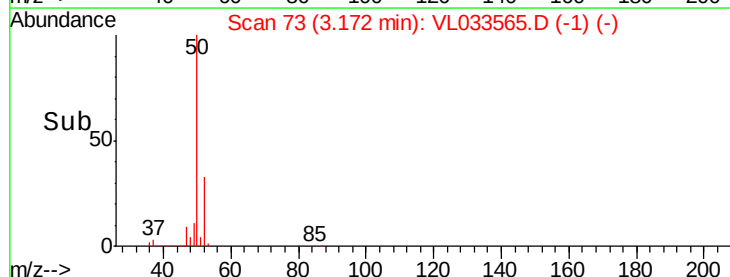
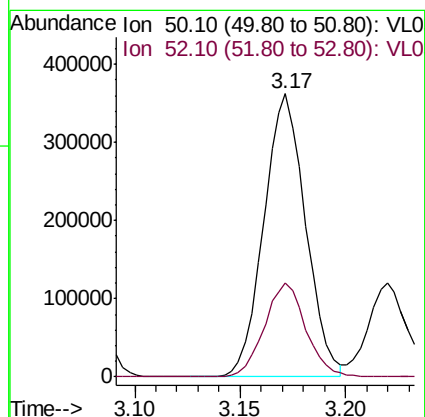
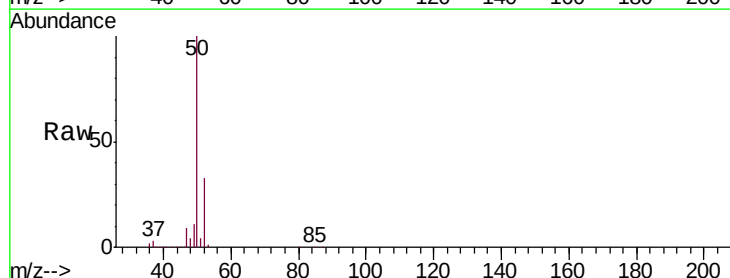
Acq: 10 Apr 2019 15:25

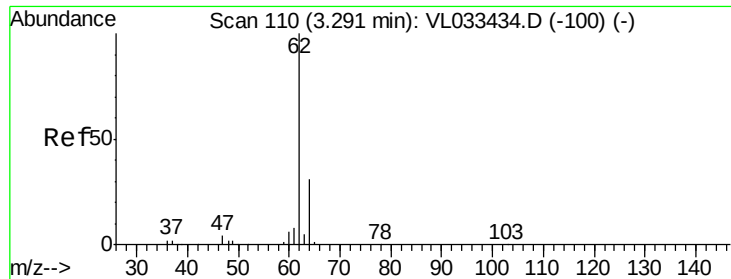
Tgt Ion: 50 Resp: 497210

Ion Ratio Lower Upper

50 100

52 33.2 25.0 37.6





#5

Vinyl Chloride

Concen: 8.665 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

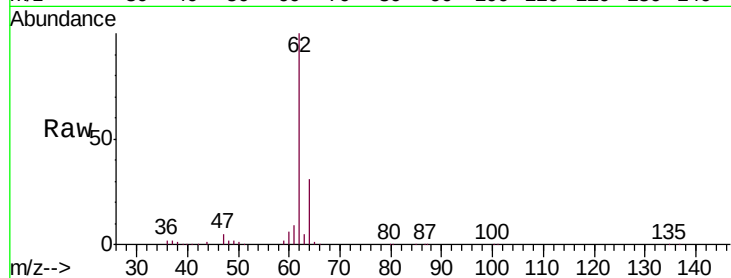
VL0410ABS01

Tgt Ion: 62 Resp: 496261

Ion Ratio Lower Upper

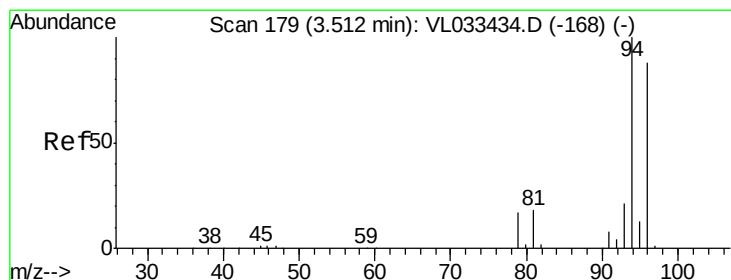
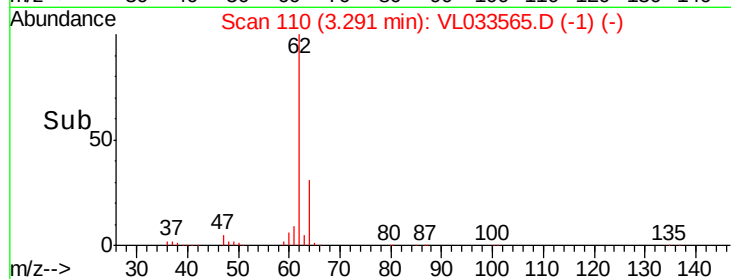
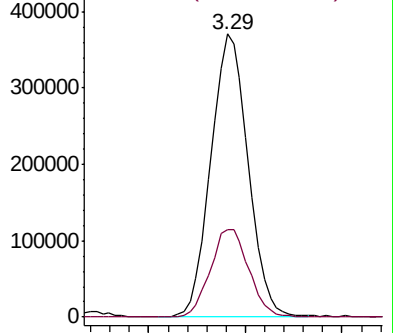
62 100

64 30.9 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: 8.806 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033565.D

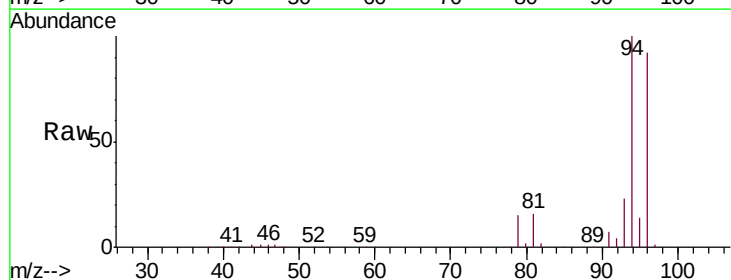
Acq: 10 Apr 2019 15:25

Tgt Ion: 94 Resp: 324099

Ion Ratio Lower Upper

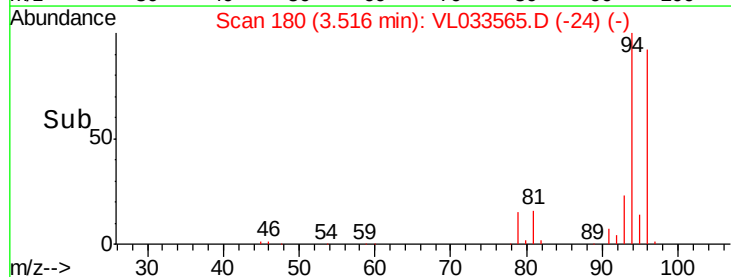
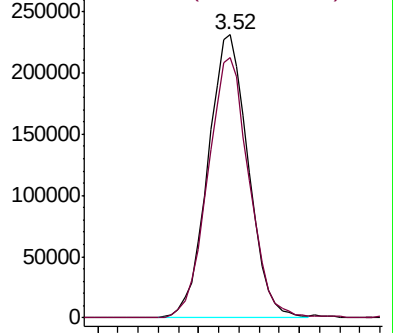
94 100

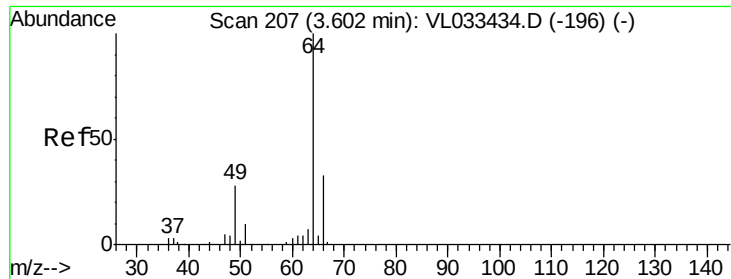
96 92.1 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.692 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

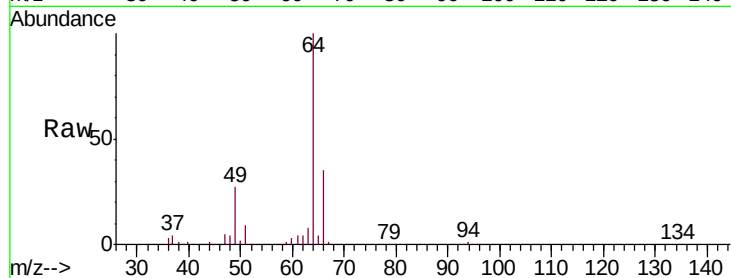
VL0410ABS01

Tgt Ion: 64 Resp: 185273

Ion Ratio Lower Upper

64 100

66 34.5 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

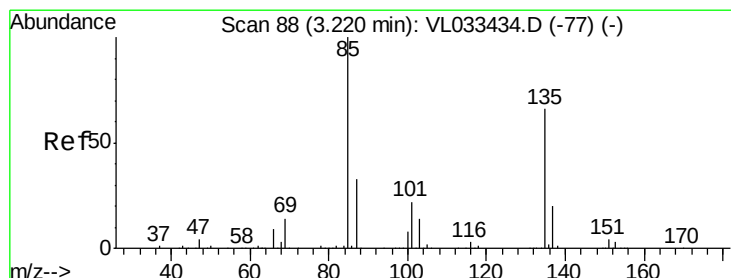
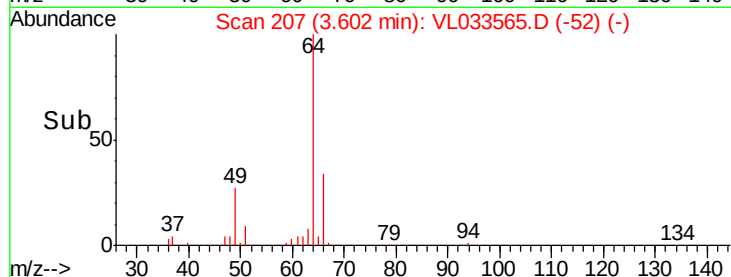
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.300 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033565.D

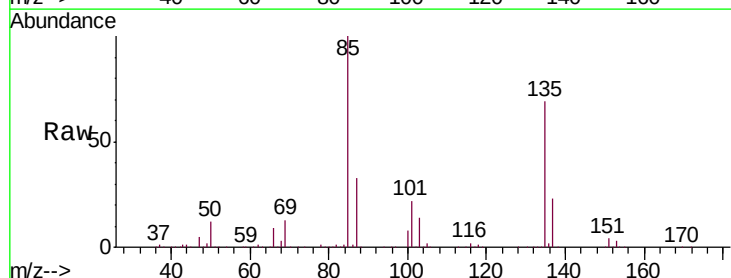
Acq: 10 Apr 2019 15:25

Tgt Ion: 85 Resp: 1234235

Ion Ratio Lower Upper

85 100

135 69.4 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

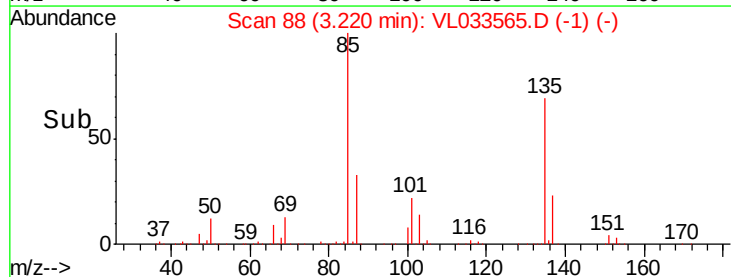
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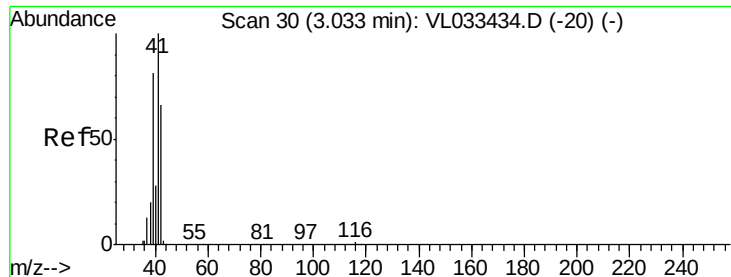
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200000

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Time-->





#9

Propene

Concen: 8.891 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

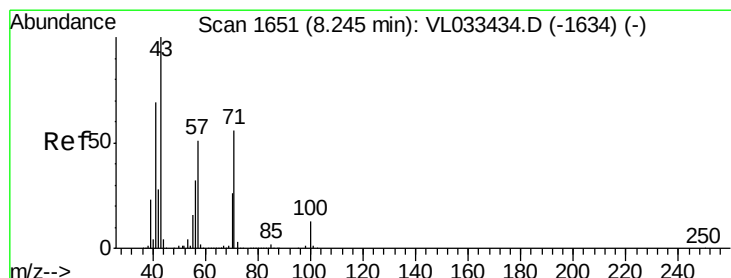
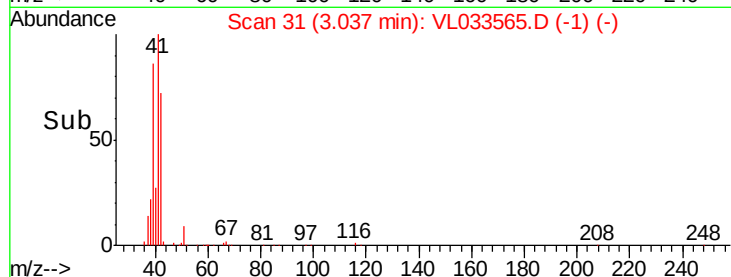
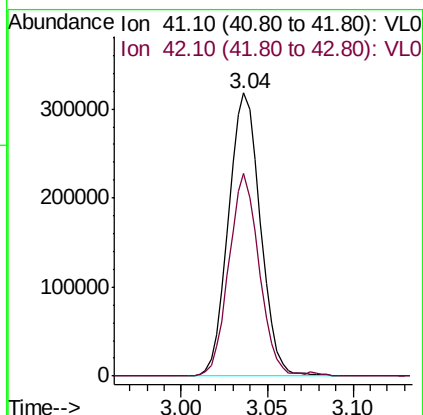
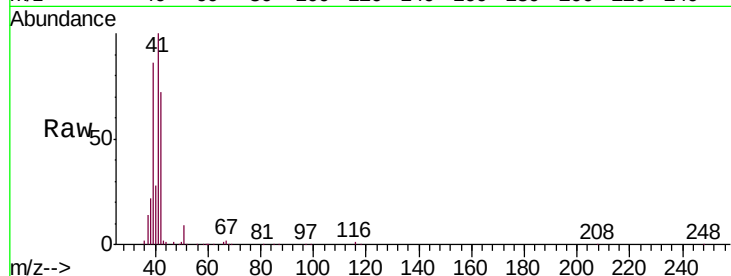
VL0410ABS01

Tgt Ion: 41 Resp: 411301

Ion Ratio Lower Upper

41 100

42 68.4 53.9 80.9



#10

Heptane

Concen: 8.625 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033565.D

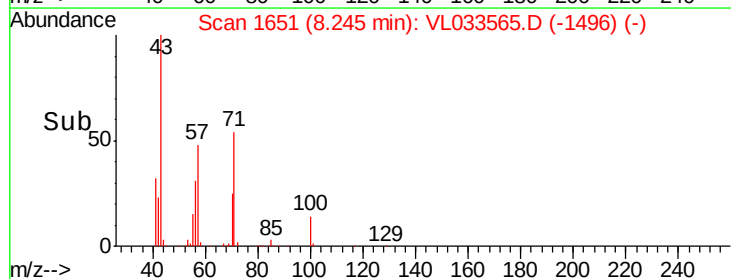
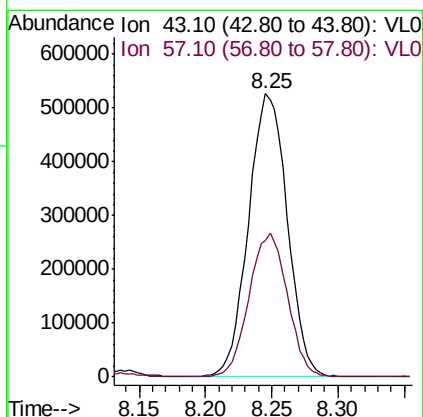
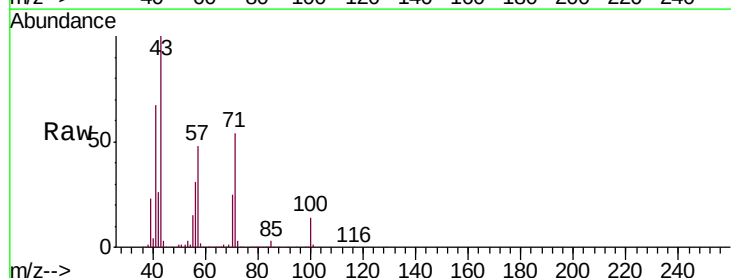
Acq: 10 Apr 2019 15:25

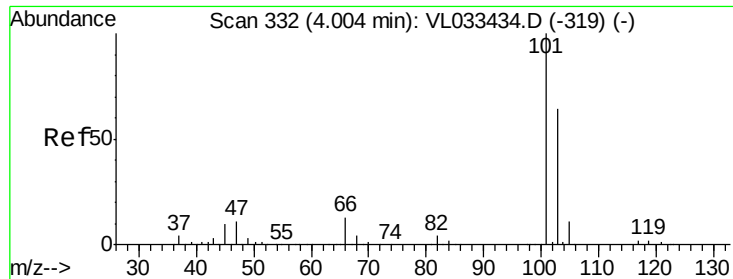
Tgt Ion: 43 Resp: 1066492

Ion Ratio Lower Upper

43 100

57 50.3 40.6 60.8

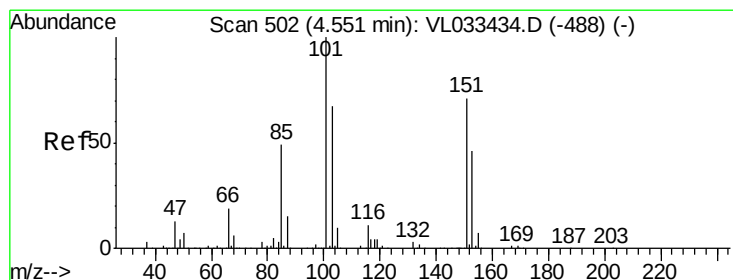
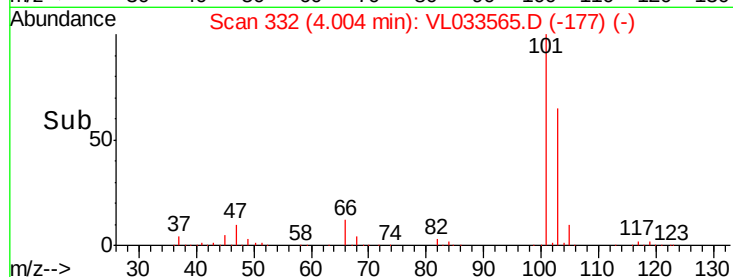
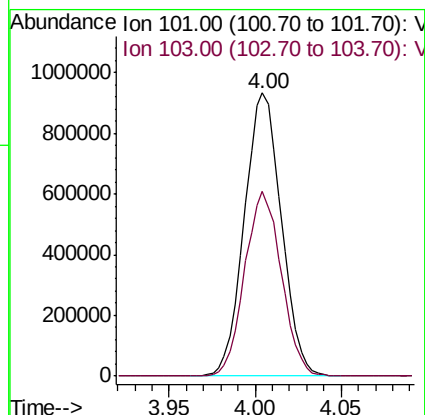
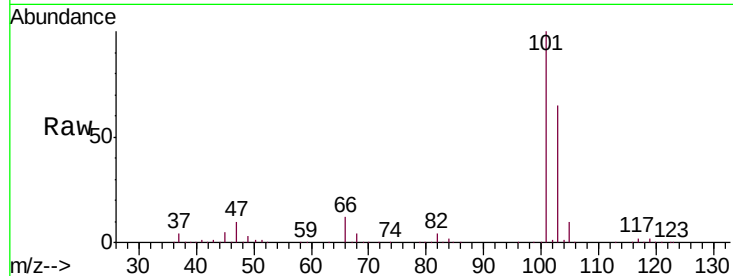




#11
 Trichlorofluoromethane
 Concen: 8.116 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

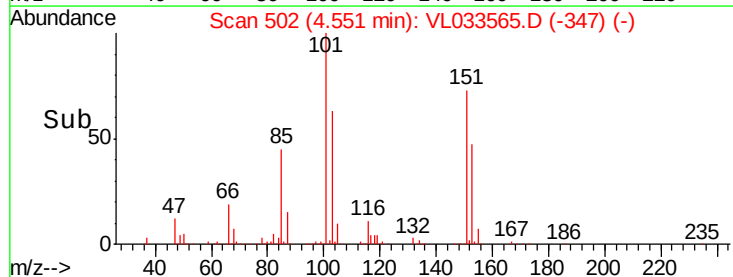
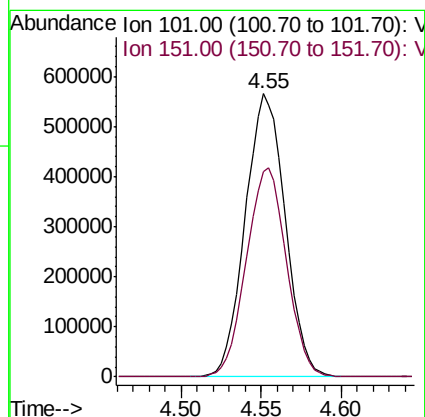
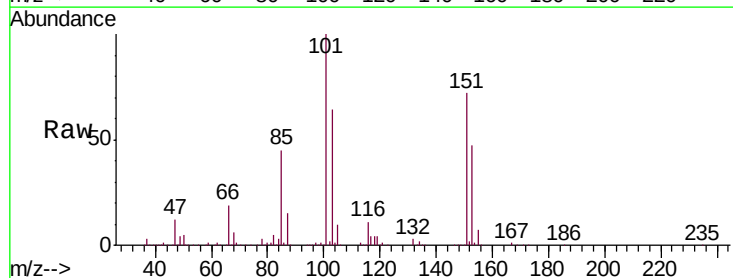
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

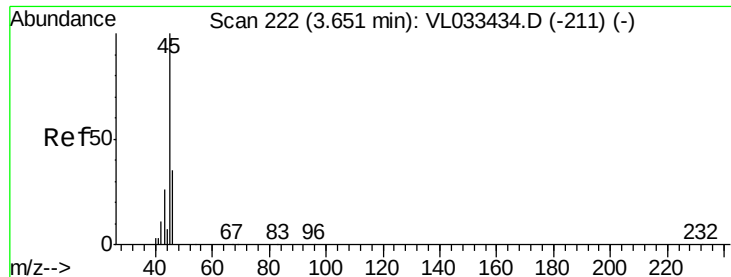
Tgt Ion:101 Resp: 1395798
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.375 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion:101 Resp: 967412
 Ion Ratio Lower Upper
 101 100
 151 74.4 57.7 86.5

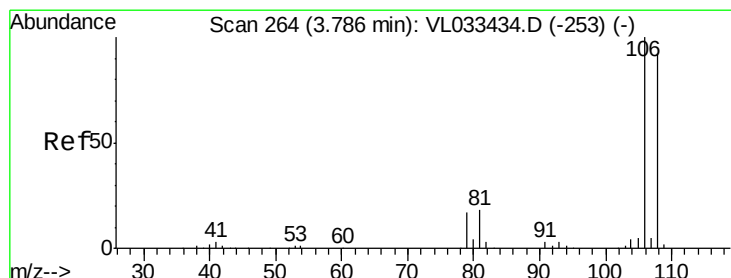
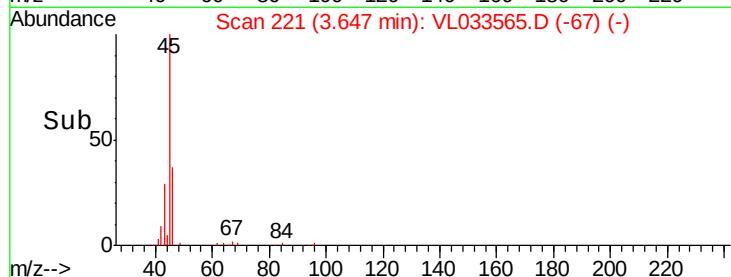
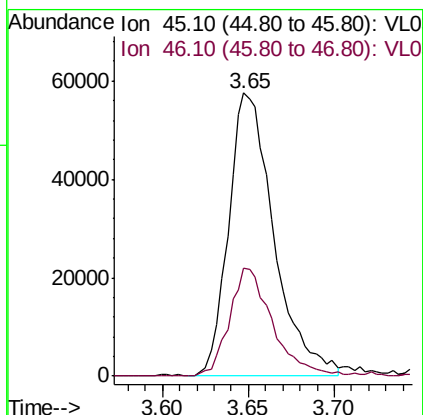
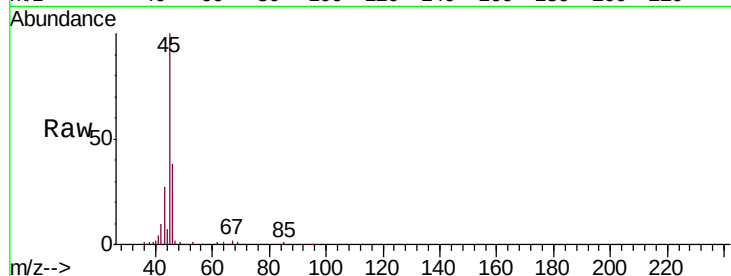




#13
 Ethanol
 Concen: 8.837 ppbv
 RT: 3.65 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

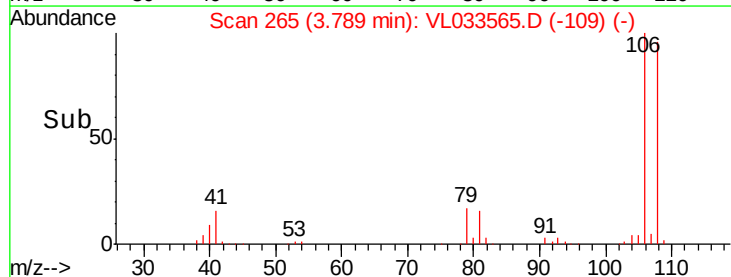
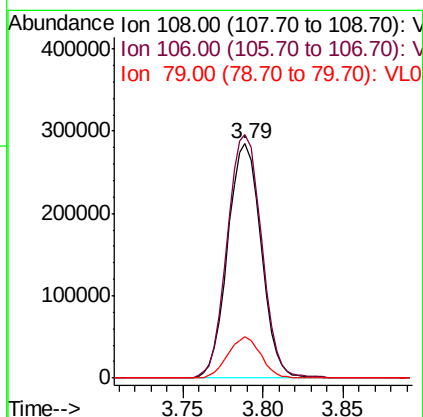
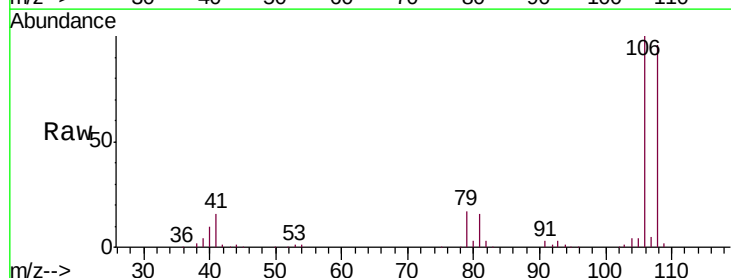
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

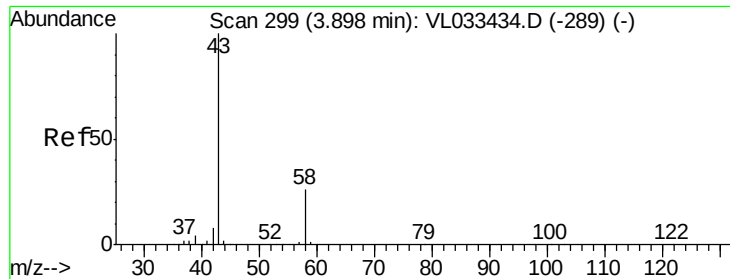
Tgt Ion: 45 Resp: 105790
 Ion Ratio Lower Upper
 45 100
 46 36.6 25.4 101.8



#14
 Bromoethene
 Concen: 8.811 ppbv
 RT: 3.79 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 108 Resp: 405924
 Ion Ratio Lower Upper
 108 100
 106 106.6 86.4 129.6
 79 17.6 15.8 23.8





#15

Acetone

Concen: 7.924 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

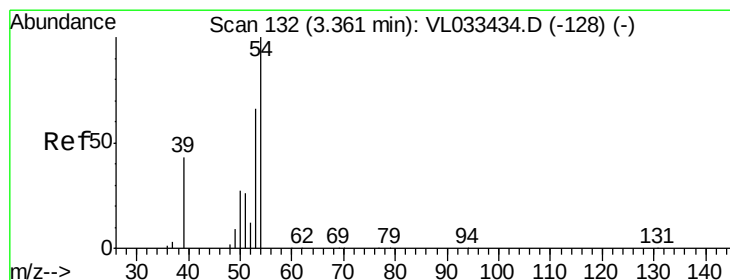
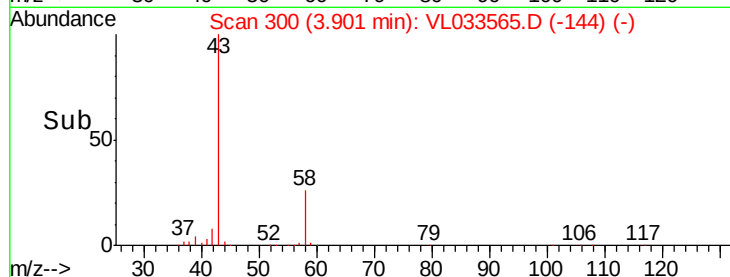
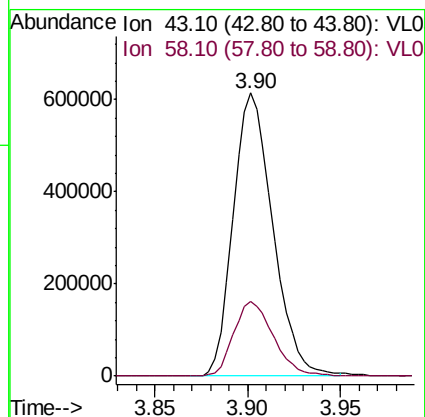
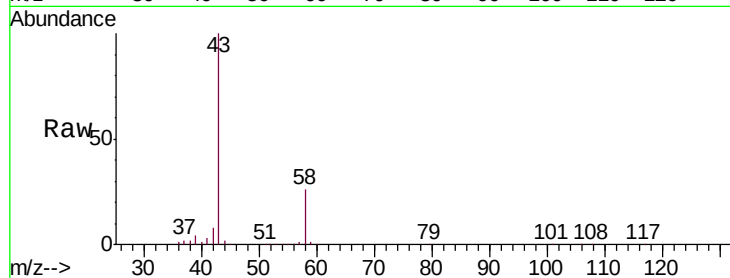
VL0410ABS01

Tgt Ion: 43 Resp: 911665

Ion Ratio Lower Upper

43 100

58 26.6 20.5 30.7



#16

1,3-Butadiene

Concen: 9.199 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033565.D

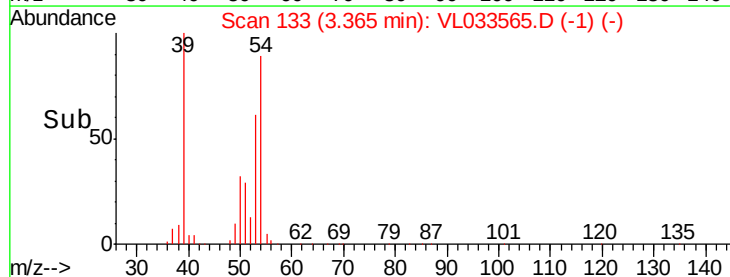
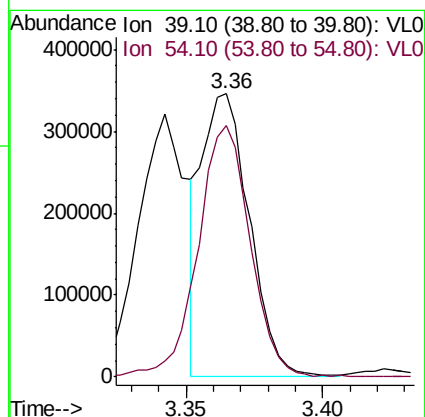
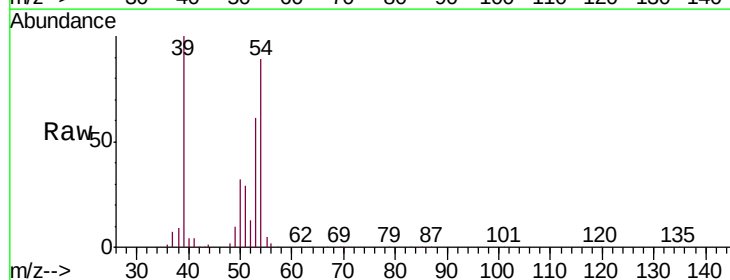
Acq: 10 Apr 2019 15:25

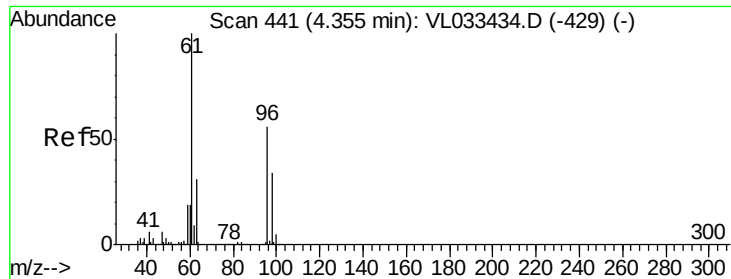
Tgt Ion: 39 Resp: 419764

Ion Ratio Lower Upper

39 100

54 98.0 69.4 104.2

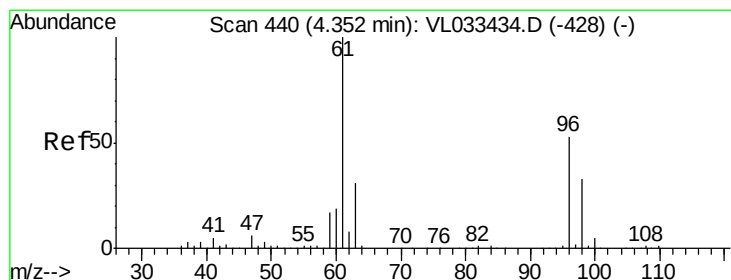
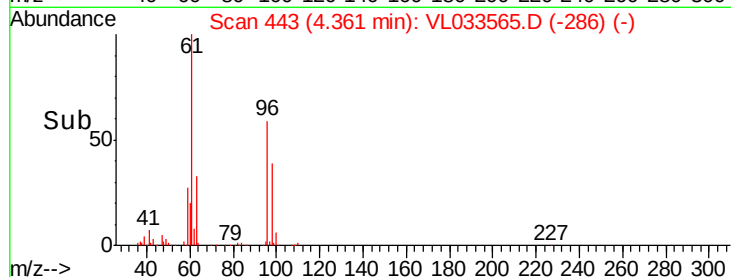
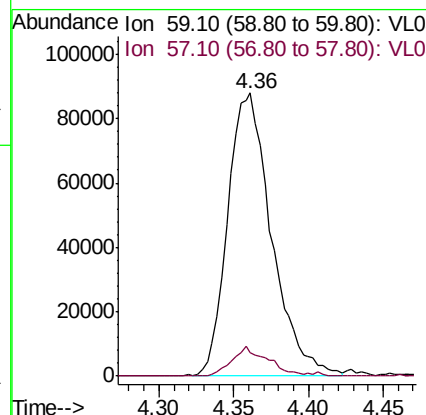
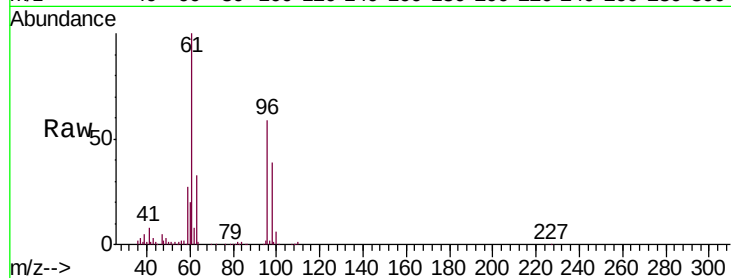




#17
tert-Butyl alcohol
Concen: 8.395 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

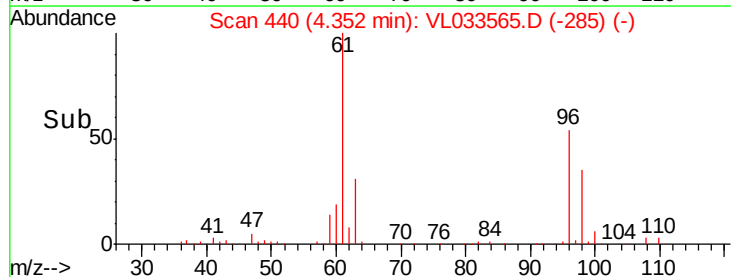
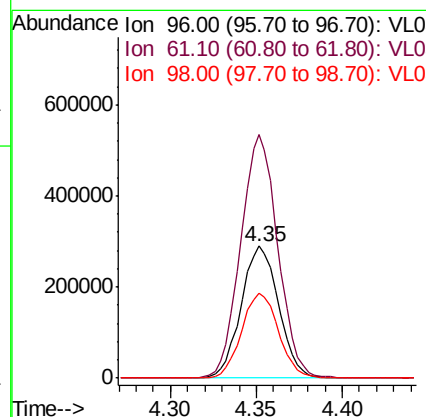
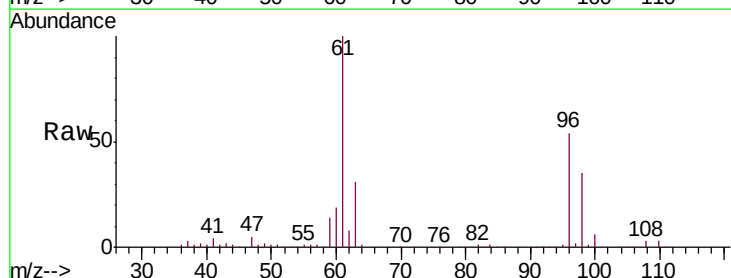
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

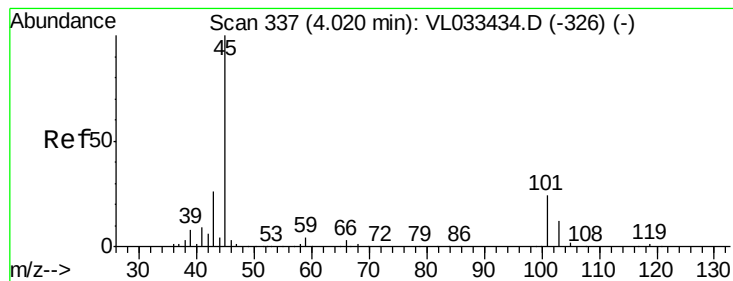
Tgt Ion: 59 Resp: 177578
Ion Ratio Lower Upper
59 100
57 9.1 7.8 11.8



#18
1,1-Dichloroethene
Concen: 8.826 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion: 96 Resp: 437946
Ion Ratio Lower Upper
96 100
61 184.1 149.8 224.6
98 63.9 48.7 73.1





#19

Isopropyl Alcohol

Concen: 8.228 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

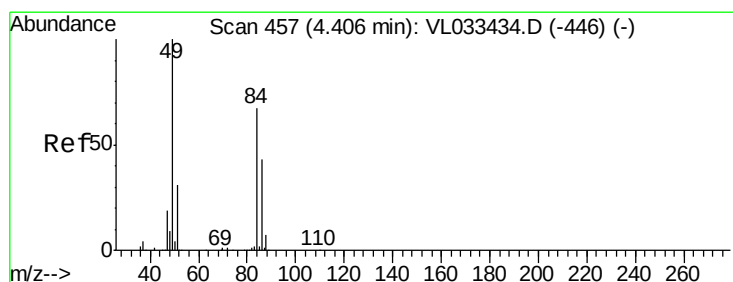
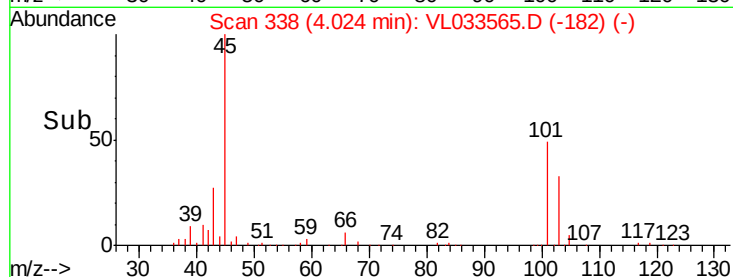
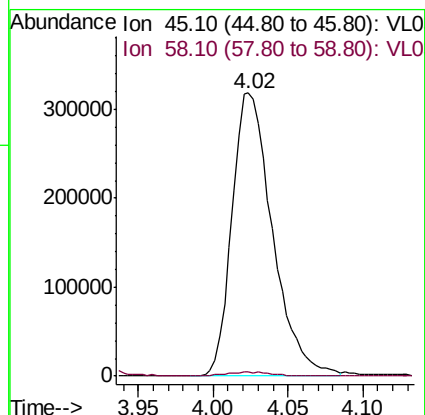
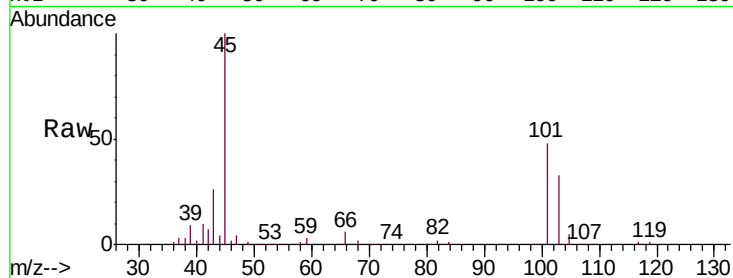
VL0410ABS01

Tgt Ion: 45 Resp: 598718

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.2



#20

Methylene Chloride

Concen: 7.788 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Tgt Ion: 84 Resp: 380331

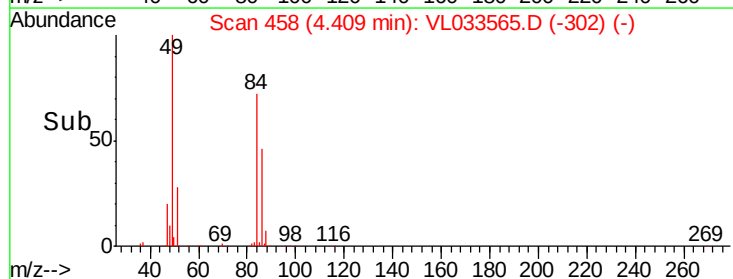
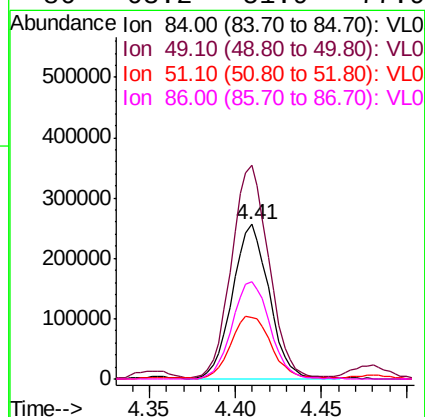
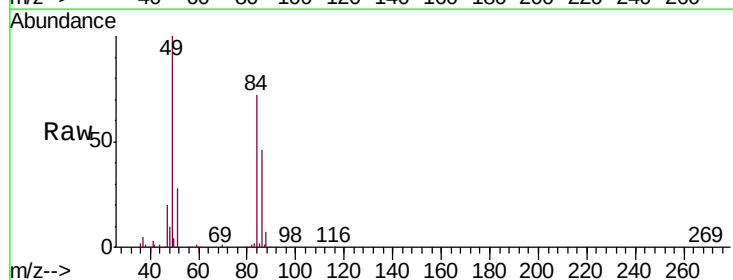
Ion Ratio Lower Upper

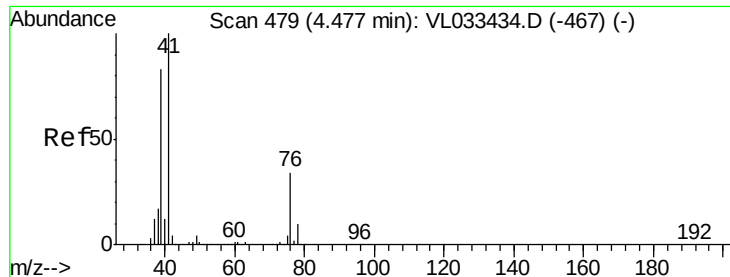
84 100

49 137.5 120.0 180.0

51 39.0 36.7 55.1

86 63.2 51.9 77.9

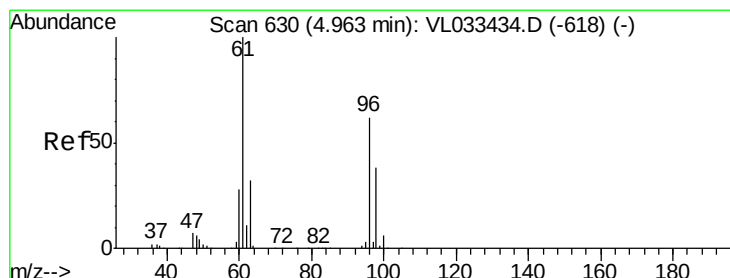
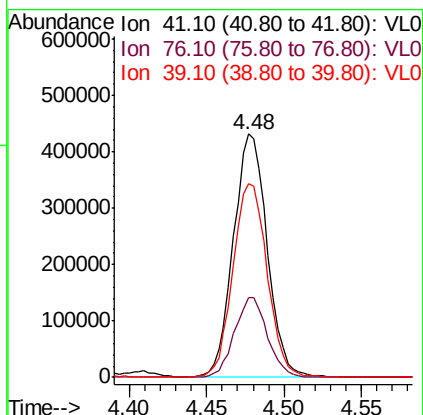
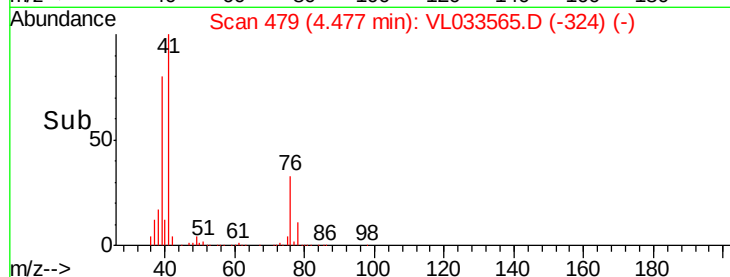
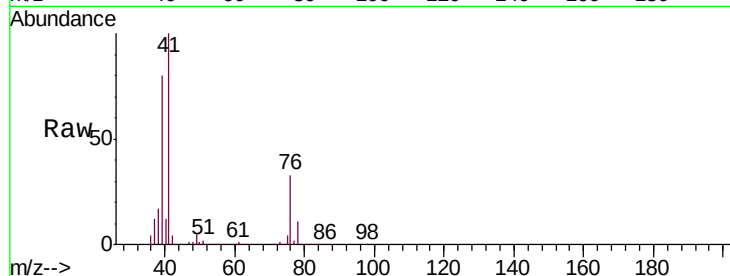




#21
 Allyl Chloride
 Concen: 8.966 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

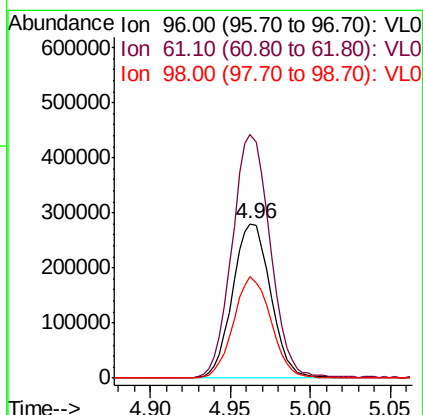
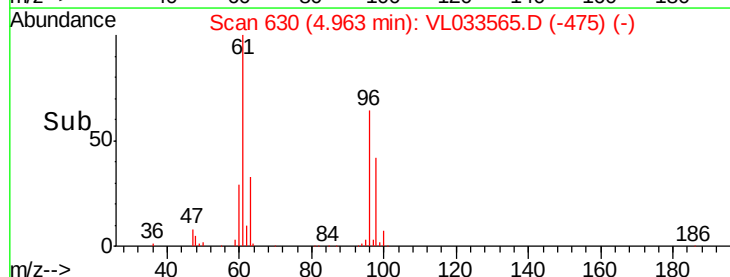
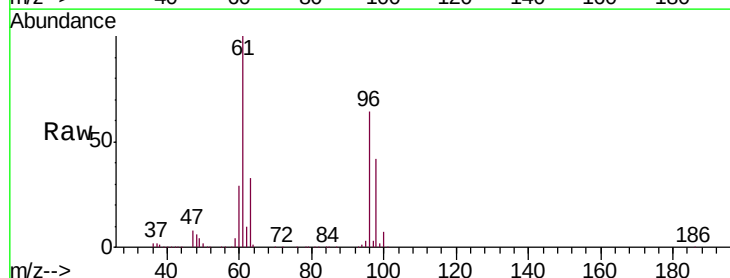
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

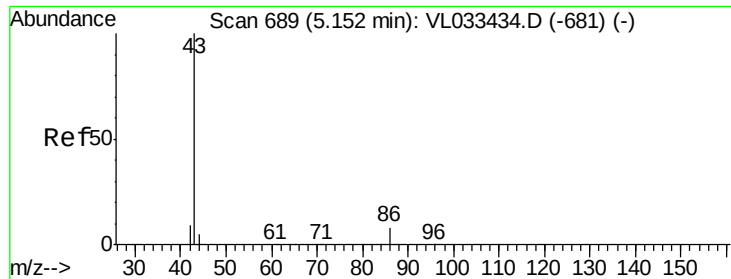
Tgt Ion: 41 Resp: 652089
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.4 38.2
 39 81.1 65.3 97.9



#22
 trans-1,2-Dichloroethene
 Concen: 8.759 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 96 Resp: 453421
 Ion Ratio Lower Upper
 96 100
 61 157.4 128.9 193.3
 98 65.7 49.5 74.3





#23

Vinyl Acetate

Concen: 9.153 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Tgt Ion: 43 Resp: 1498805

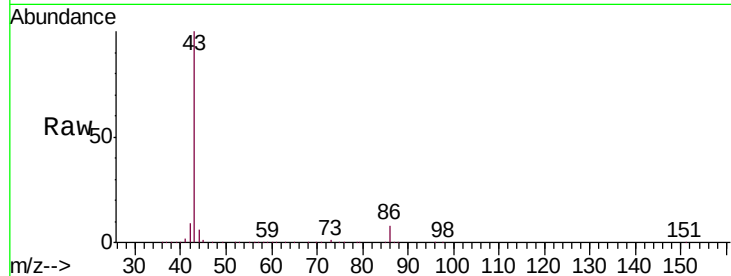
Ion Ratio Lower Upper

43 100

86 7.7 5.6 8.4

42 9.0 8.0 12.0

44 5.3 3.9 5.9

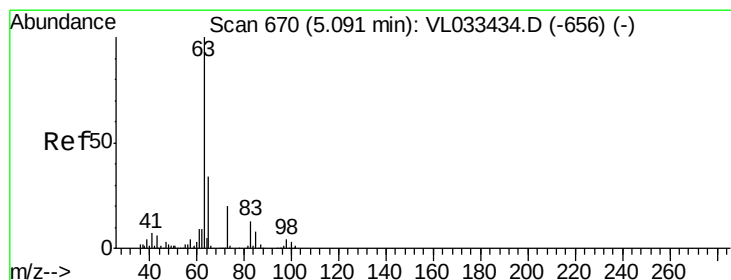
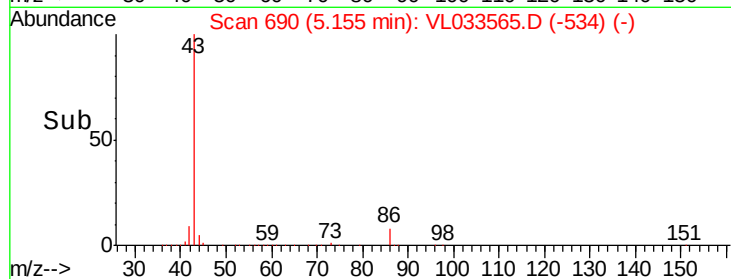
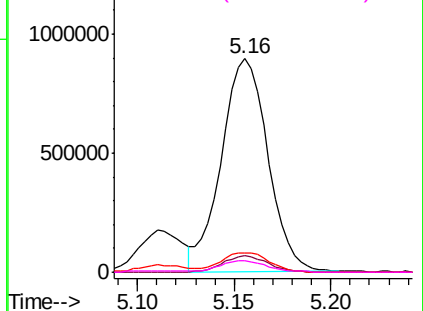


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.303 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

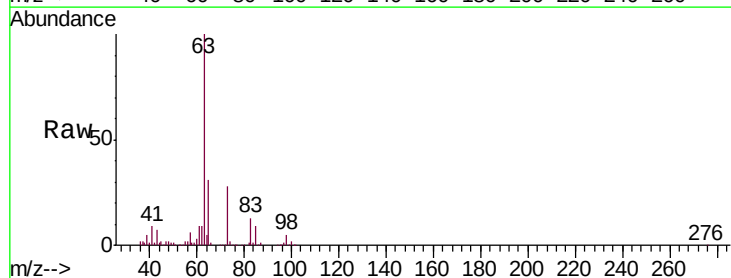
Tgt Ion: 63 Resp: 1032730

Ion Ratio Lower Upper

63 100

98 4.9 2.2 6.6

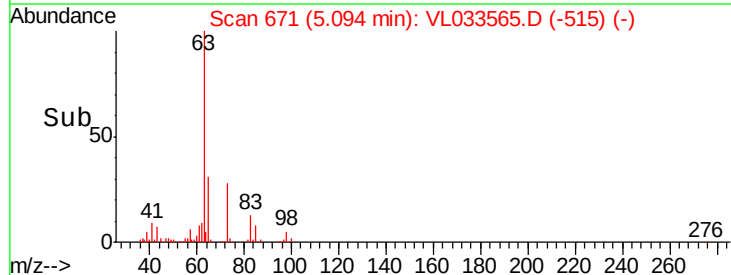
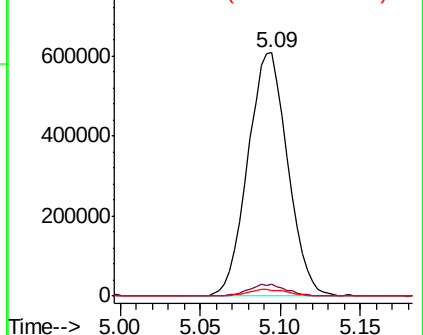
100 2.4 1.5 4.4

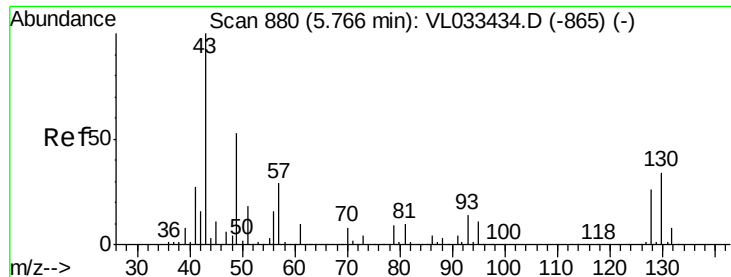


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

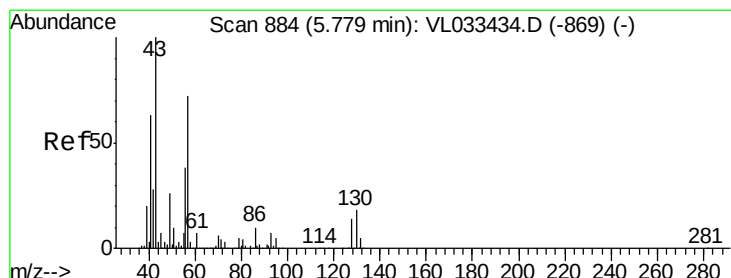
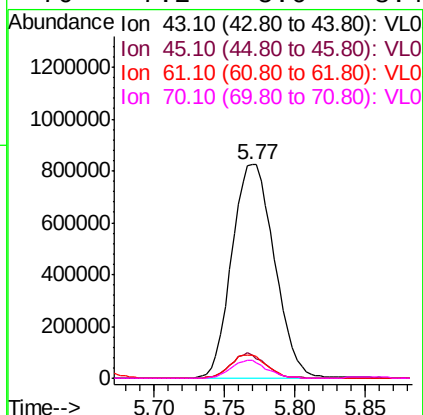
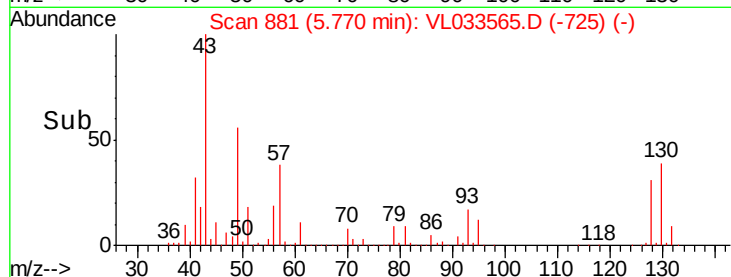
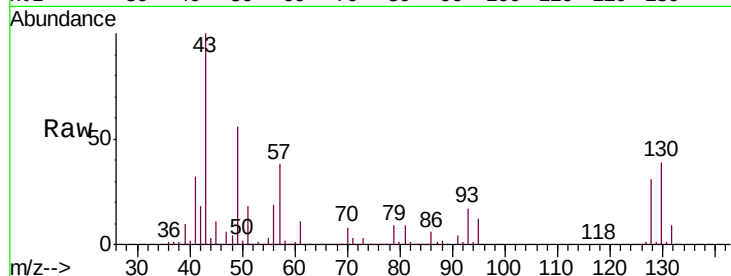




#25
Ethyl Acetate
Concen: 8.156 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

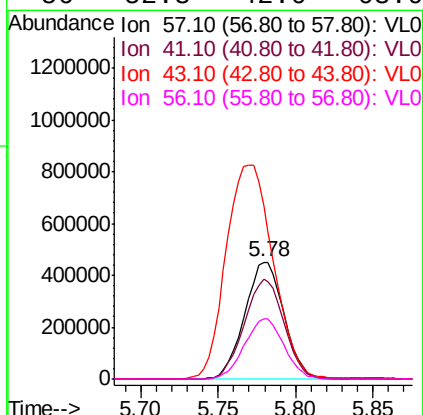
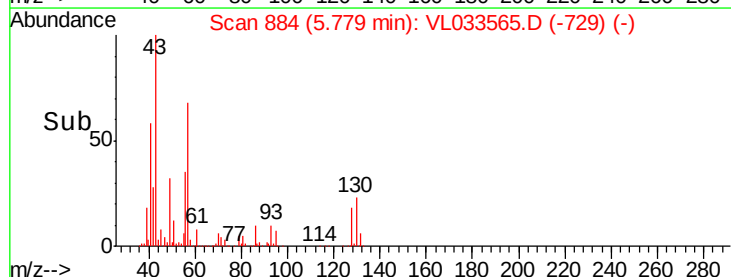
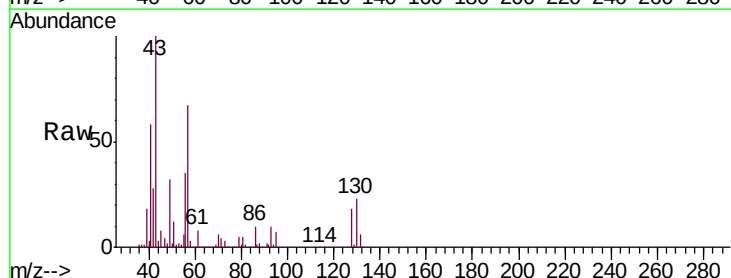
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

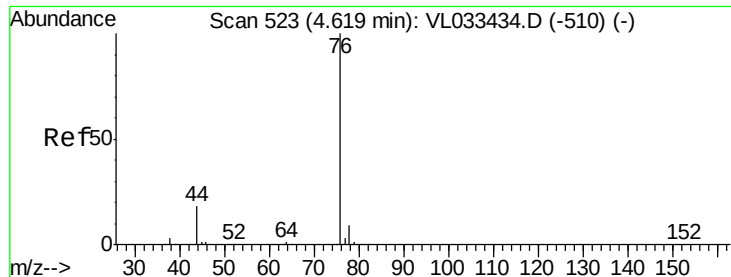
Tgt Ion: 43 Resp: 1740940
Ion Ratio Lower Upper
43 100
45 9.6 7.8 11.6
61 9.6 7.3 10.9
70 7.2 5.6 8.4



#26
Hexane
Concen: 8.368 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion: 57 Resp: 794160
Ion Ratio Lower Upper
57 100
41 86.5 70.7 106.1
43 220.6 182.6 274.0
56 52.3 42.0 63.0





#27

Carbon Disulfide

Concen: 9.792 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

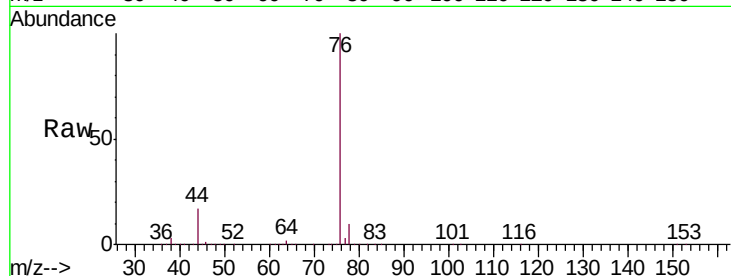
Tgt Ion: 76 Resp: 1105118

Ion Ratio Lower Upper

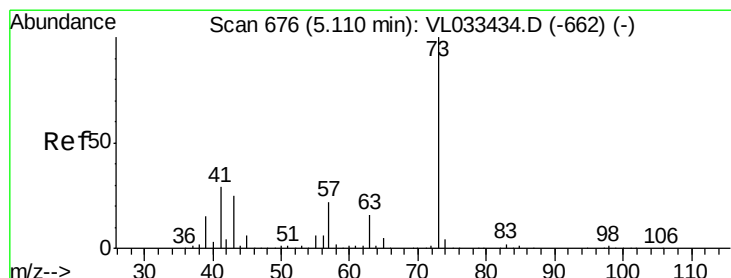
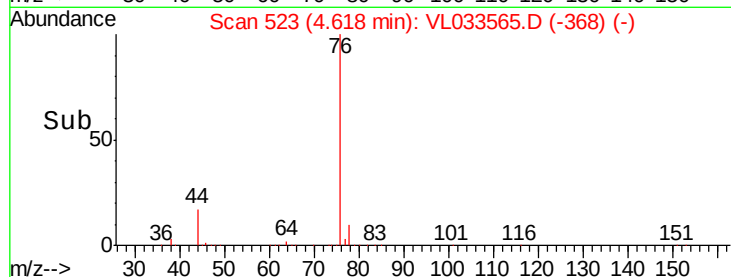
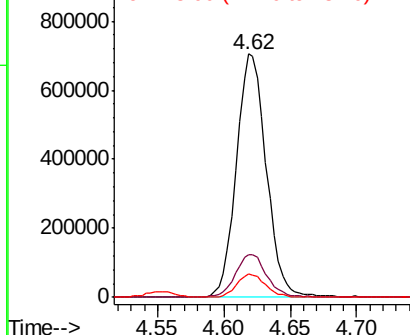
76 100

44 18.1 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: 9.334 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033565.D

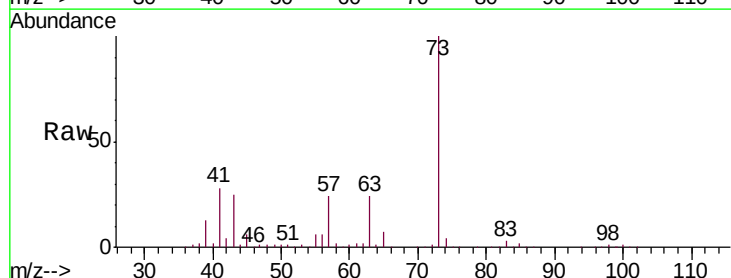
Acq: 10 Apr 2019 15:25

Tgt Ion: 73 Resp: 1275984

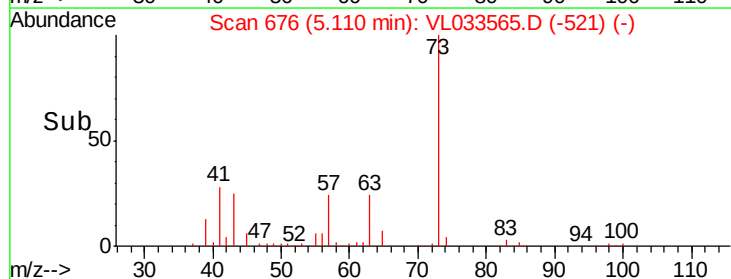
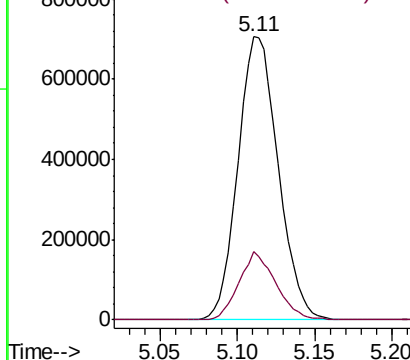
Ion Ratio Lower Upper

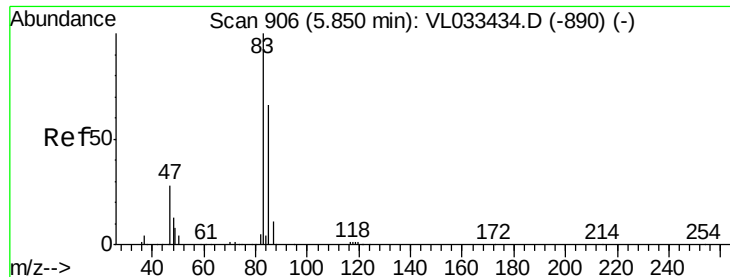
73 100

57 22.2 17.4 26.2



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

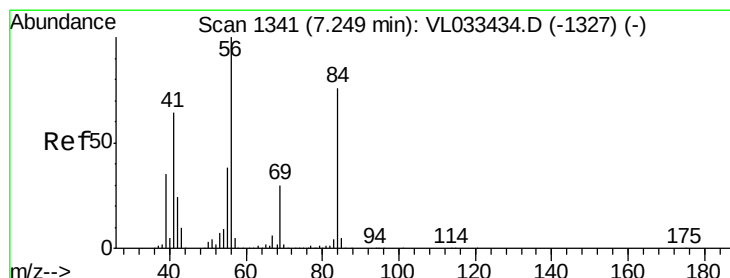
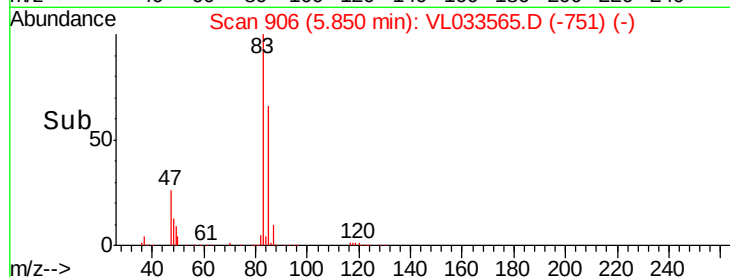
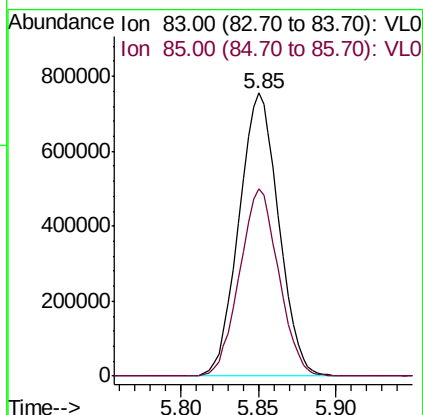
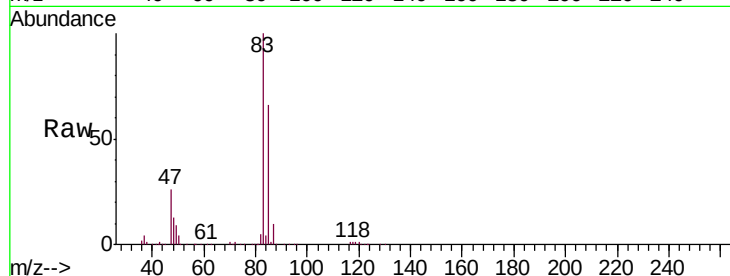




#29
Chloroform
Concen: 8.295 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

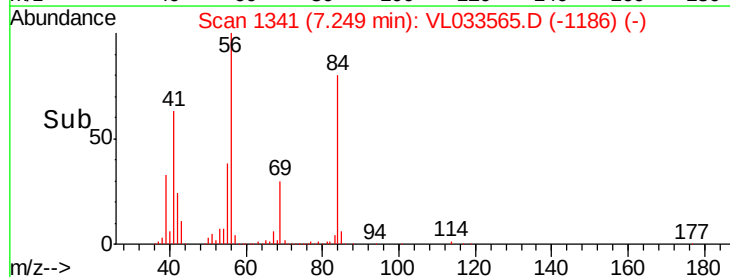
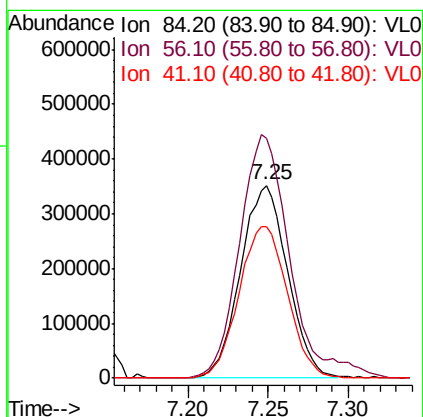
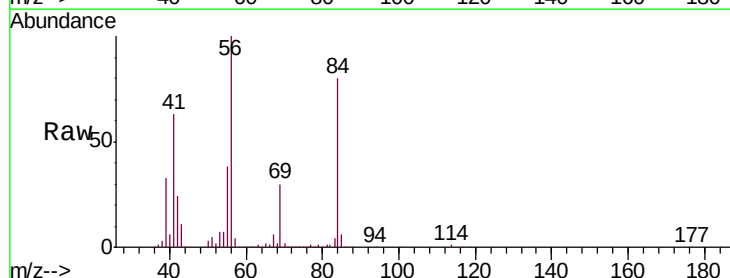
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

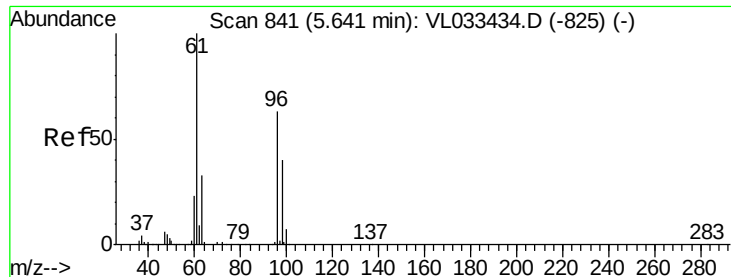
Tgt Ion: 83 Resp: 1349558
Ion Ratio Lower Upper
83 100
85 66.2 52.6 79.0



#30
Cyclohexane
Concen: 9.427 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion: 84 Resp: 707775
Ion Ratio Lower Upper
84 100
56 135.4 109.7 164.5
41 81.5 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 8.772 ppbv

RT: 5.64 min Scan# 841

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

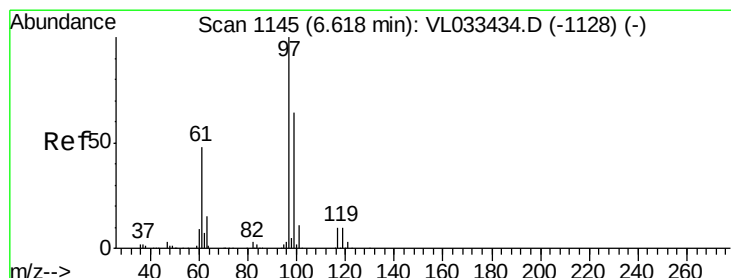
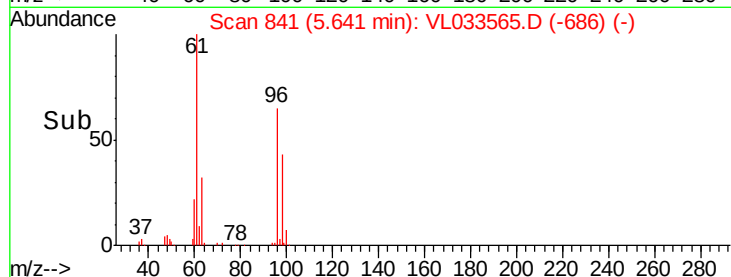
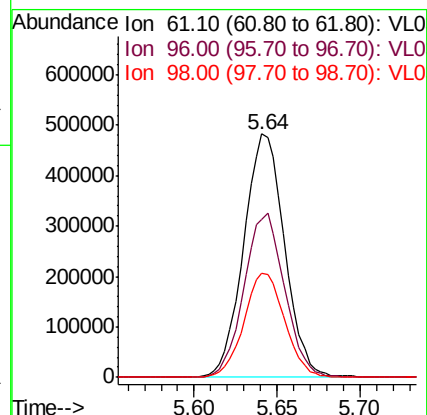
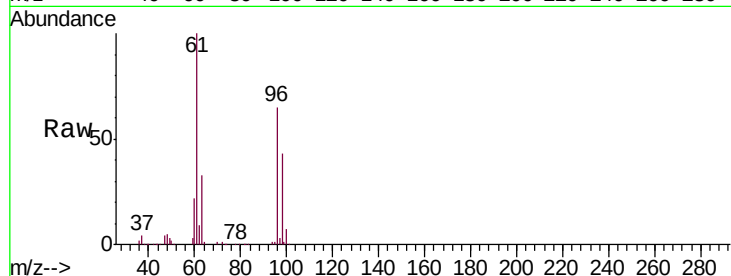
Tgt Ion: 61 Resp: 827695

Ion Ratio Lower Upper

61 100

96 64.7 50.6 76.0

98 42.5 32.2 48.2



#32

1,1,1-Trichloroethane

Concen: 8.711 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

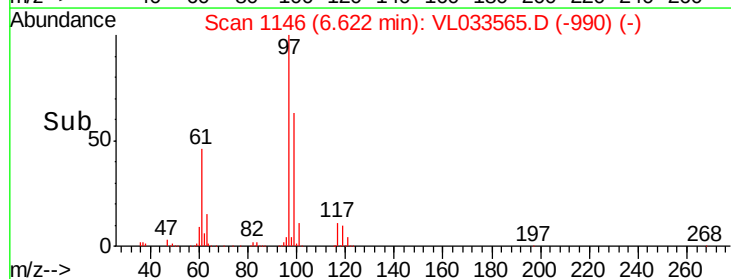
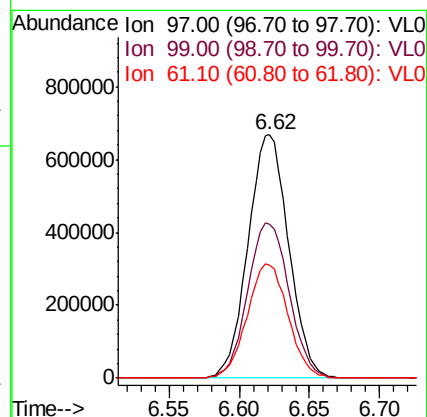
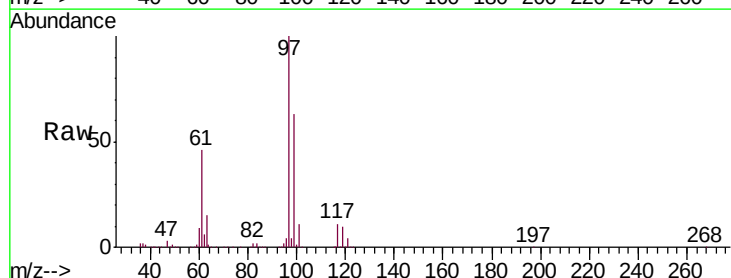
Tgt Ion: 97 Resp: 1349545

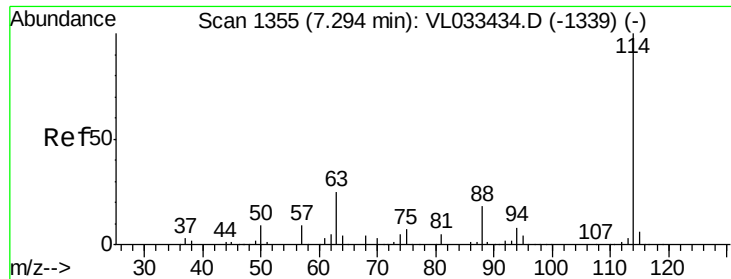
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 47.3 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: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

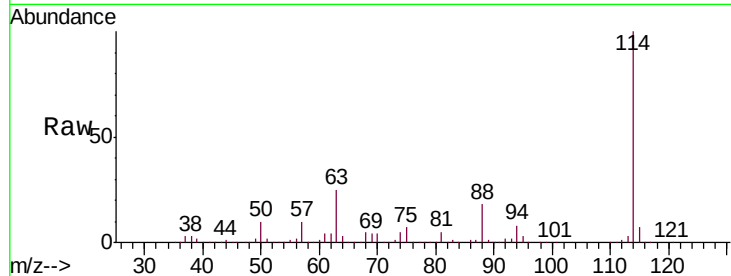
Tgt Ion:114 Resp: 2489056

Ion Ratio Lower Upper

114 100

63 25.2 21.5 32.3

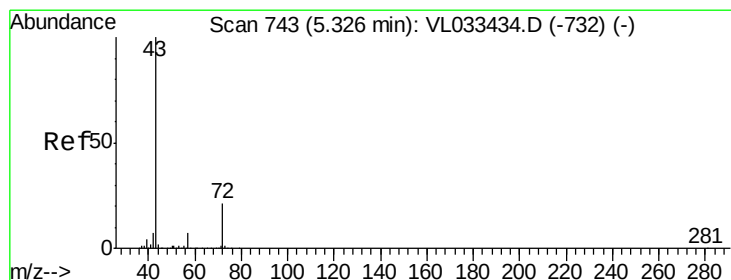
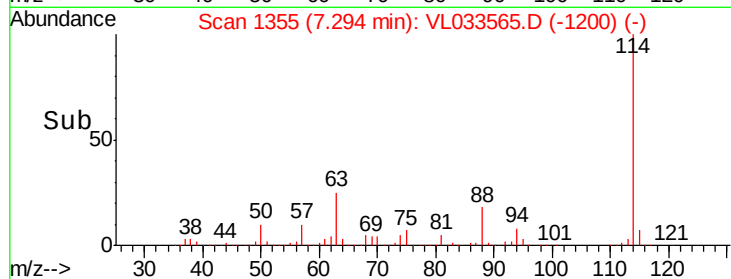
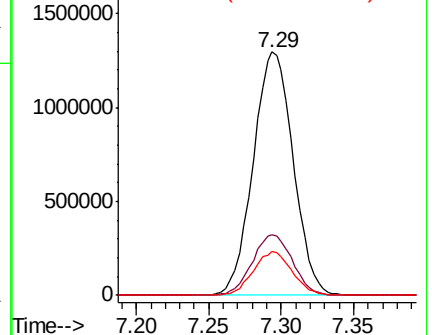
88 17.6 14.5 21.7



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: 7.721 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033565.D

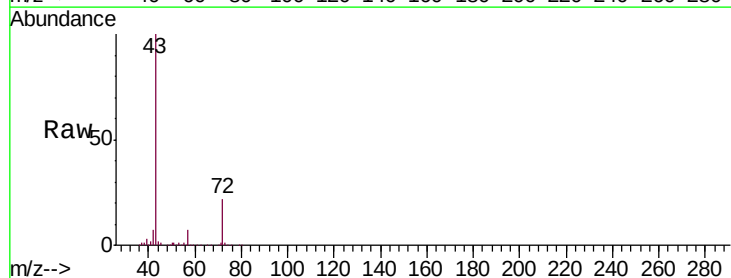
Acq: 10 Apr 2019 15:25

Tgt Ion: 43 Resp: 1154567

Ion Ratio Lower Upper

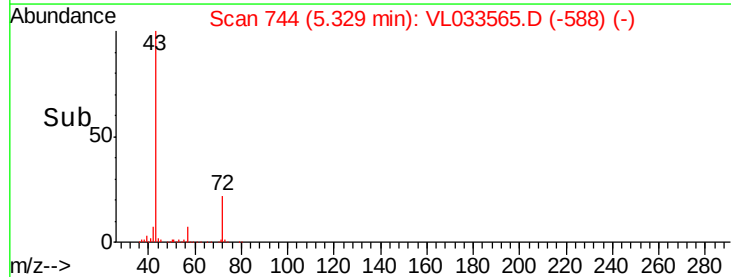
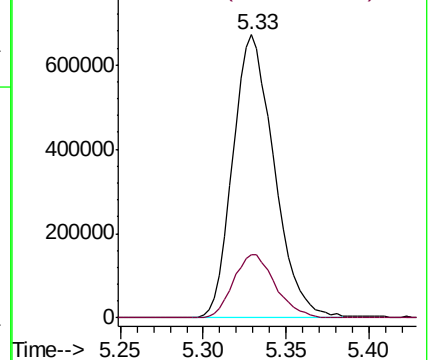
43 100

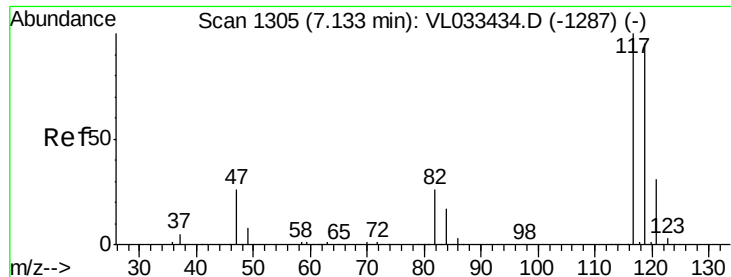
72 23.0 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.264 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

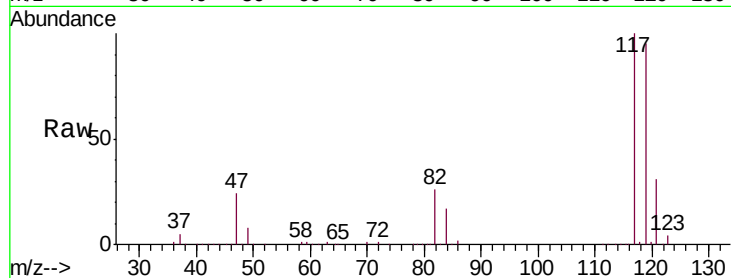
Tgt Ion:117 Resp: 1456984

Ion Ratio Lower Upper

117 100

119 94.8 75.8 113.8

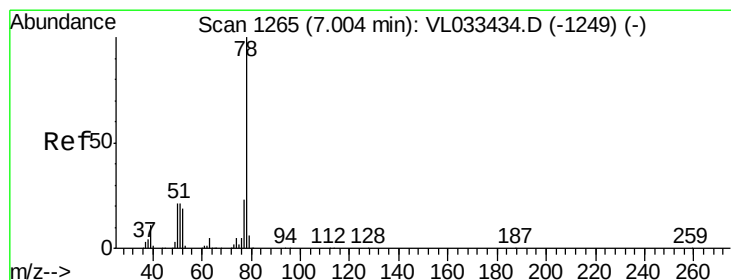
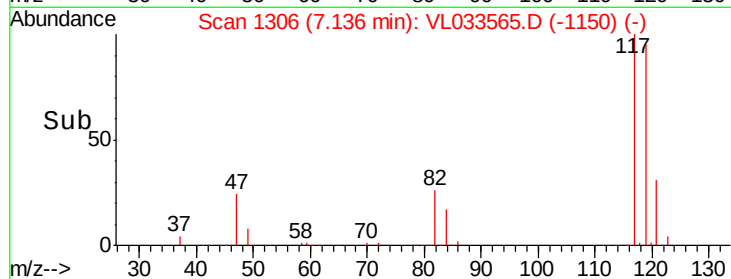
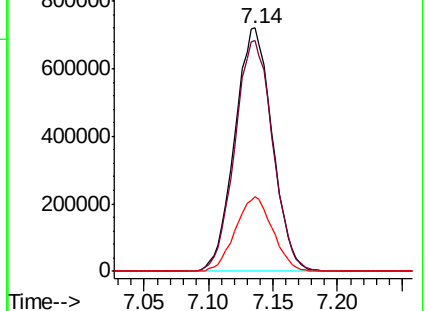
121 30.9 24.7 37.1



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: 8.384 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

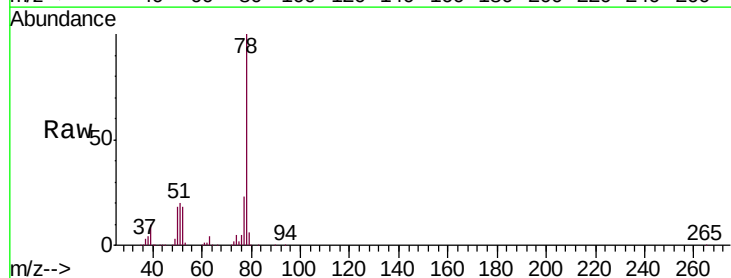
Tgt Ion: 78 Resp: 1751055

Ion Ratio Lower Upper

78 100

77 22.8 18.1 27.1

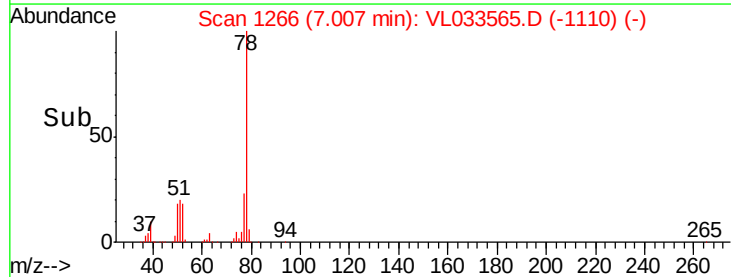
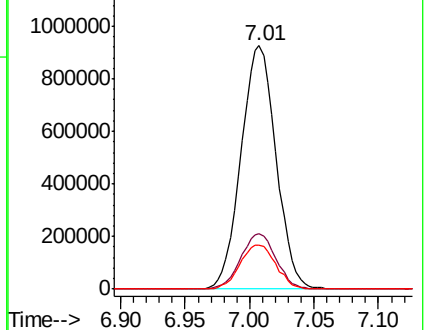
50 18.1 16.7 25.1

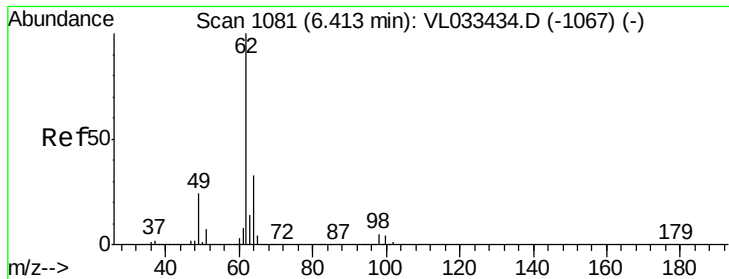


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

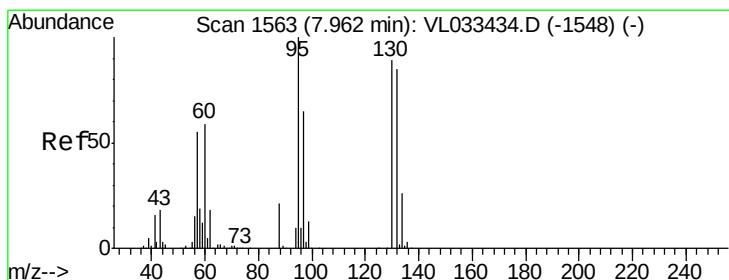
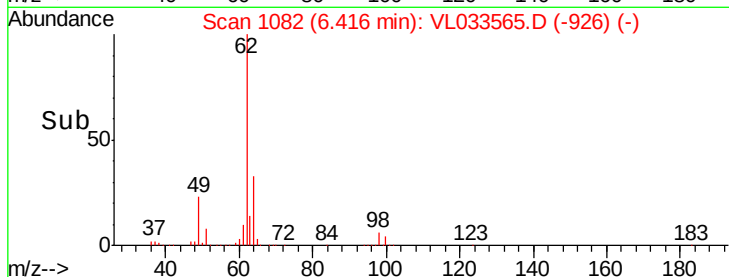
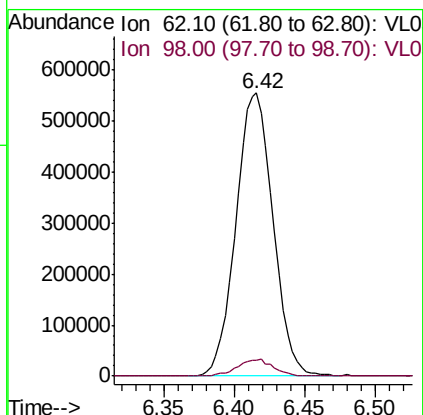
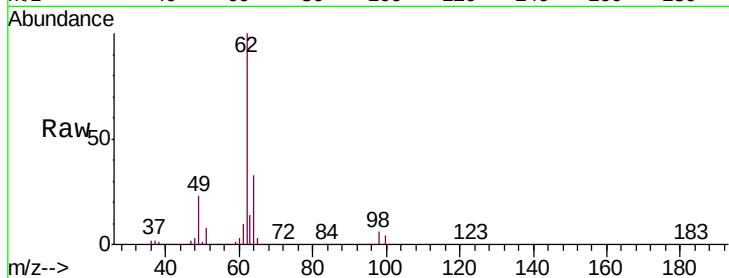




#37
 1,2-Dichloroethane
 Concen: 7.314 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

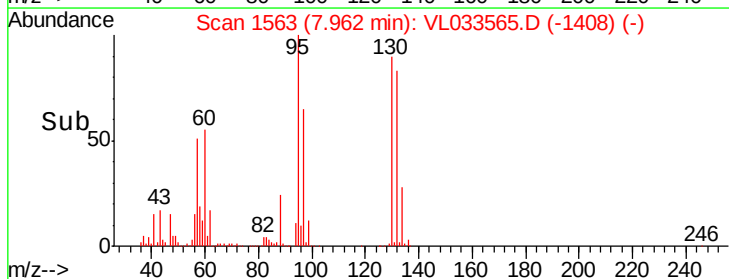
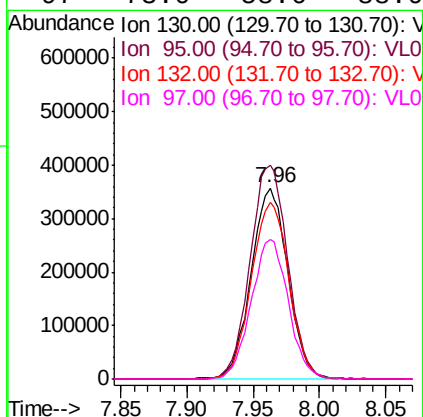
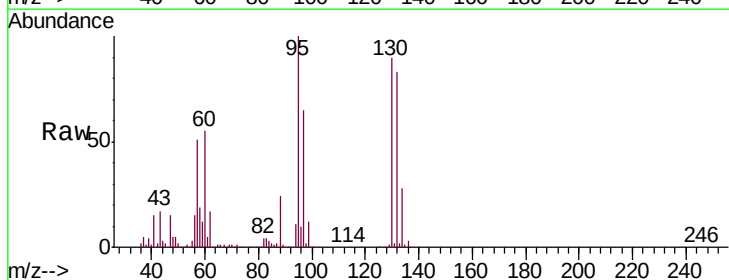
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

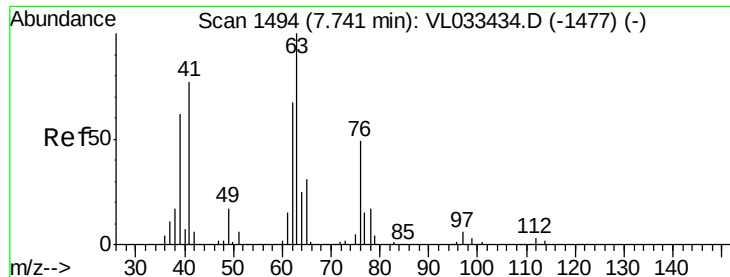
Tgt Ion: 62 Resp: 1023854
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.4 6.6



#38
 Trichloroethene
 Concen: 8.776 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 130 Resp: 689811
 Ion Ratio Lower Upper
 130 100
 95 111.8 89.8 134.8
 132 92.8 76.6 115.0
 97 73.0 58.6 88.0





#39

1,2-Dichloropropane

Concen: 8.014 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

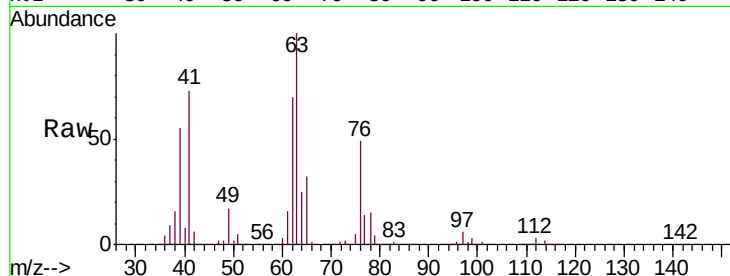
Tgt Ion: 63 Resp: 655657

Ion Ratio Lower Upper

63 100

41 72.7 61.2 91.8

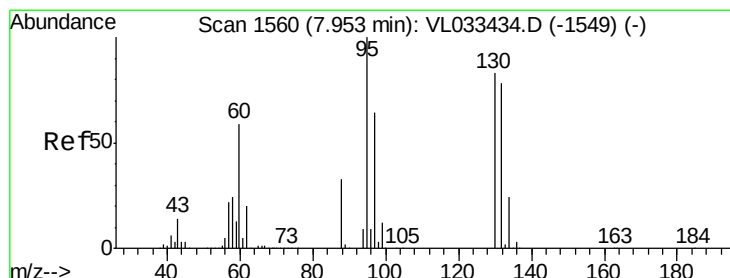
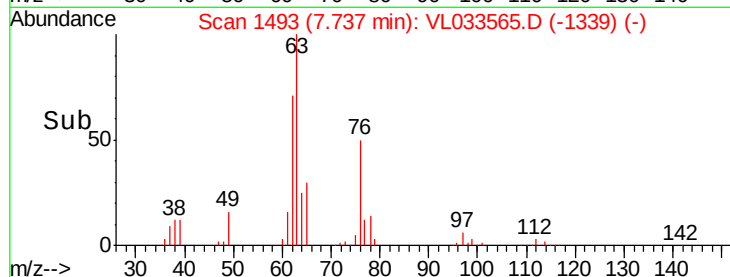
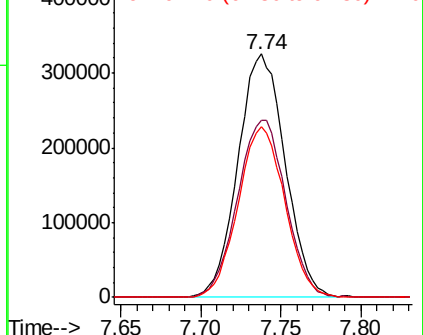
62 70.0 54.0 81.0



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: 8.124 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Tgt Ion: 88 Resp: 237040

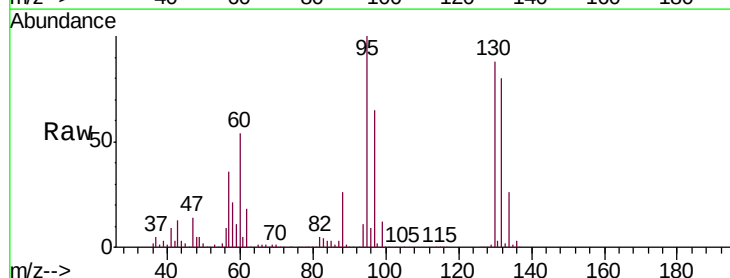
Ion Ratio Lower Upper

88 100

58 129.8 105.6 158.4

43 262.1 216.7 325.1

57 1189.4 975.0 1462.4

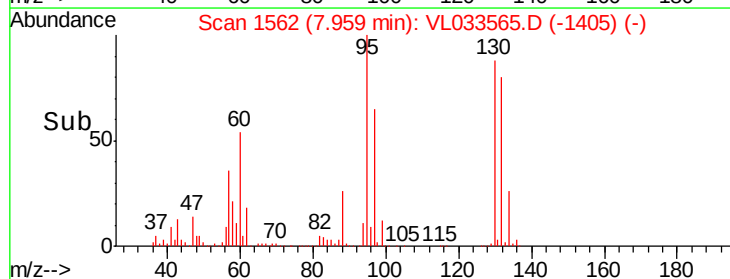
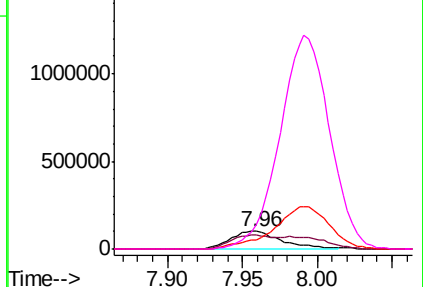


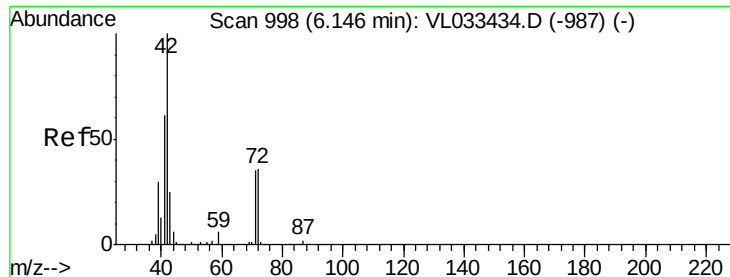
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 8.307 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

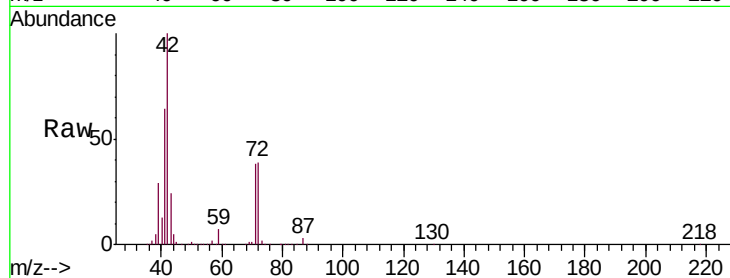
Tgt Ion: 42 Resp: 683302

Ion Ratio Lower Upper

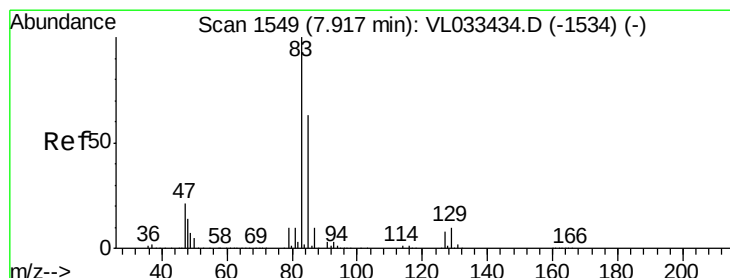
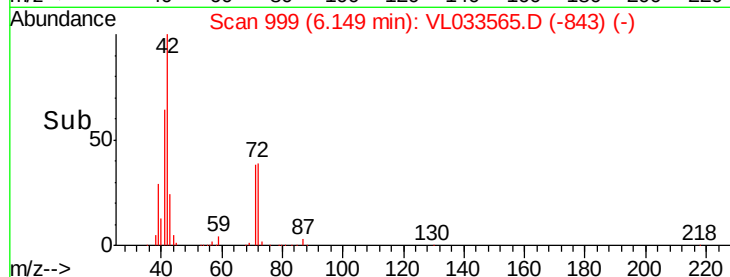
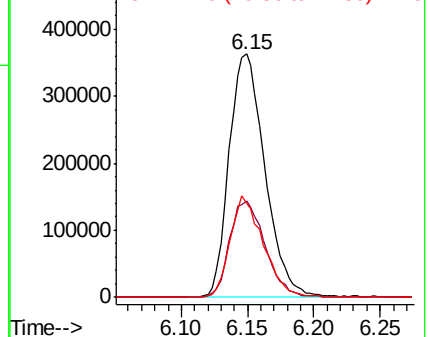
42 100

72 39.3 30.2 45.2

71 38.5 29.4 44.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 7.820 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

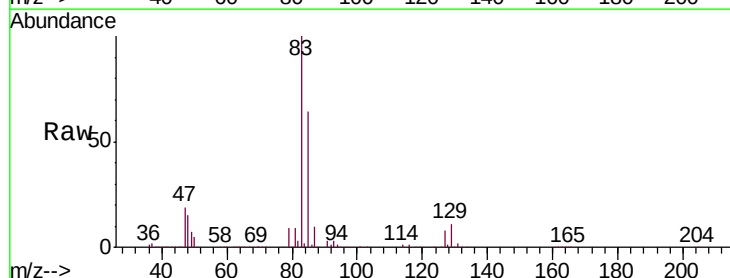
Tgt Ion: 83 Resp: 1490917

Ion Ratio Lower Upper

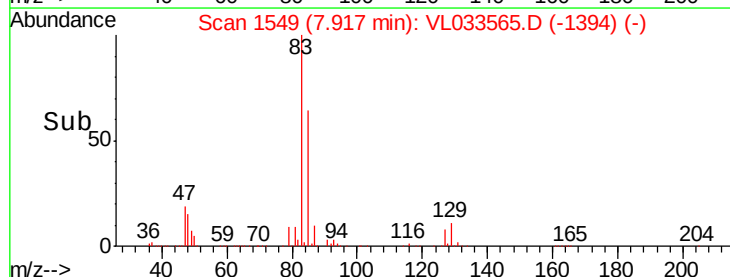
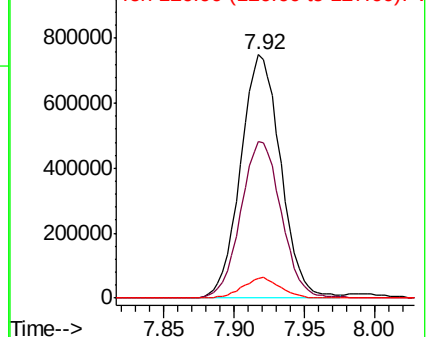
83 100

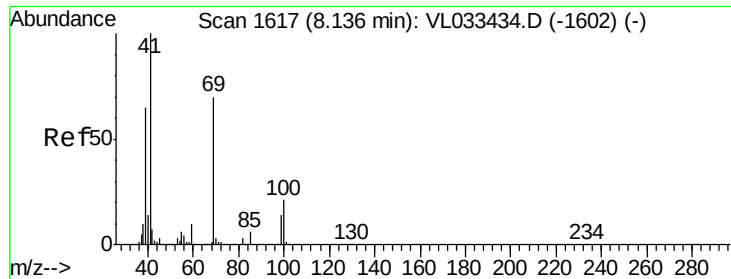
85 64.4 50.7 76.1

127 7.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

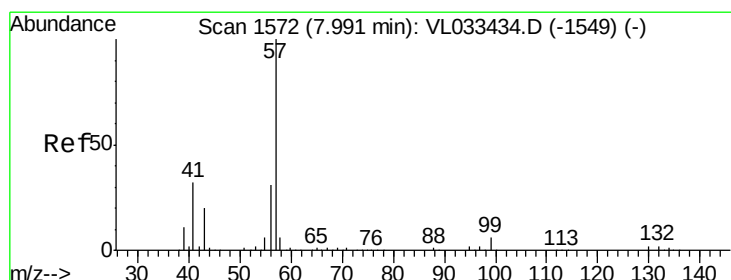
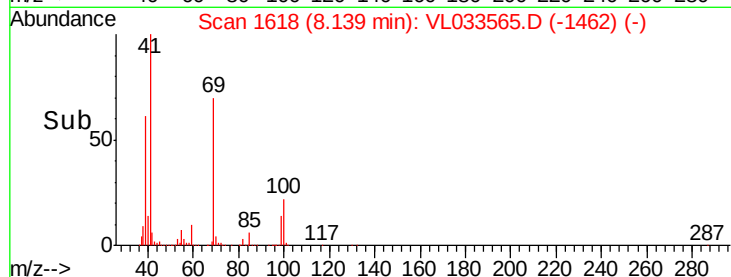
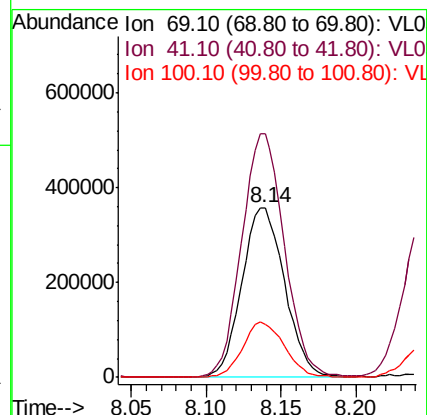
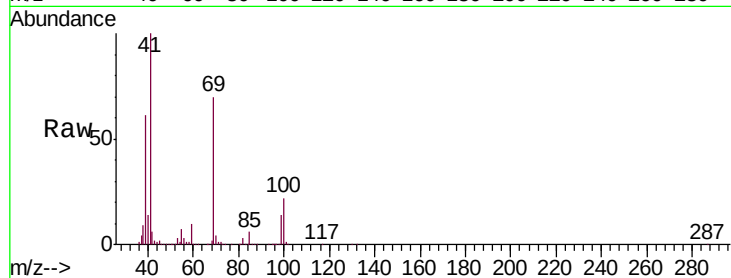




#43
Methyl Methacrylate
Concen: 8.398 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

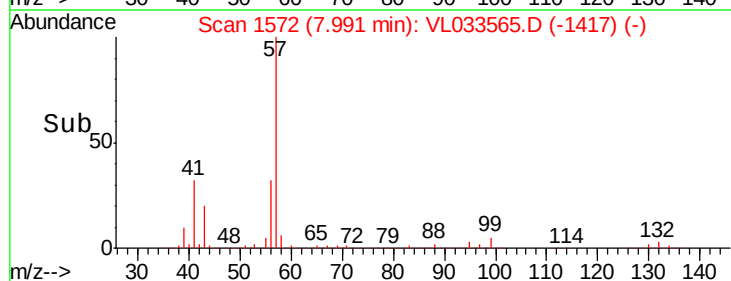
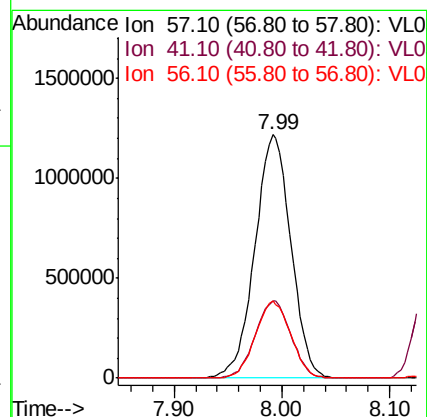
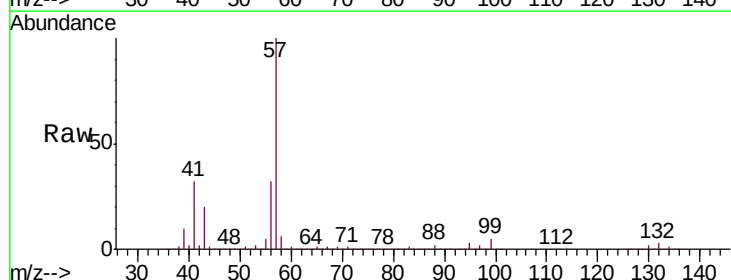
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

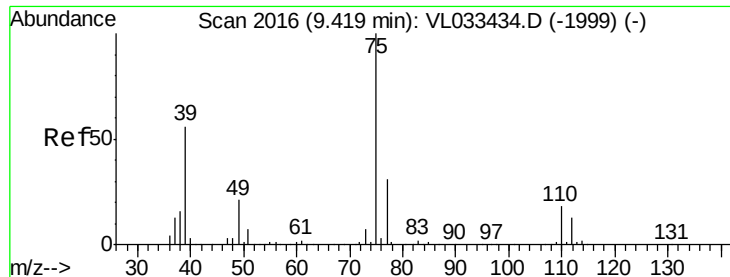
Tgt Ion: 69 Resp: 712168
Ion Ratio Lower Upper
69 100
41 142.9 116.6 174.8
100 31.9 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 7.722 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion: 57 Resp: 2818334
Ion Ratio Lower Upper
57 100
41 31.5 26.0 39.0
56 31.1 24.6 37.0

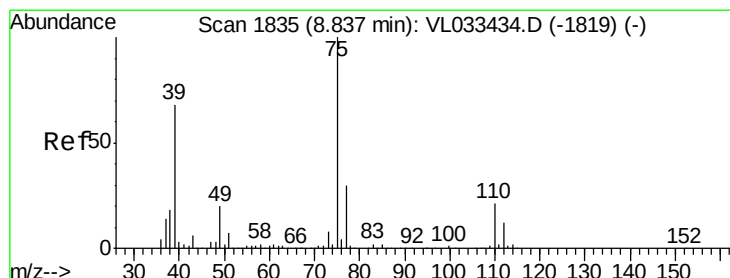
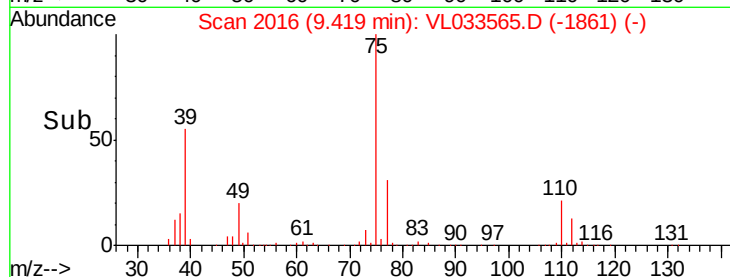
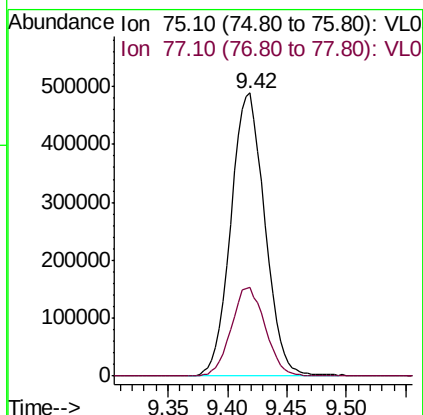
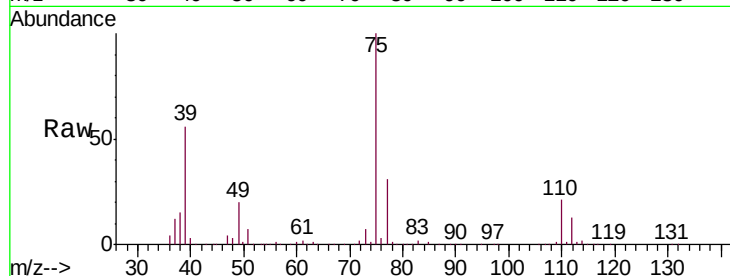




#45
 t-1,3-Dichloropropene
 Concen: 9.289 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

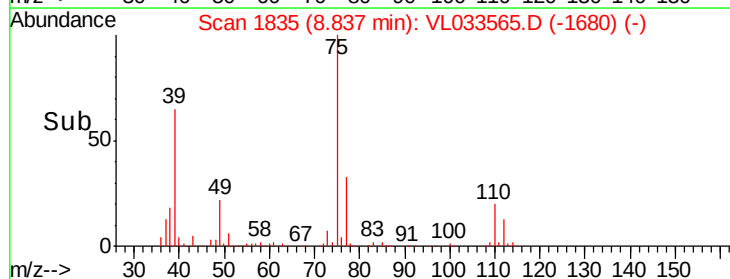
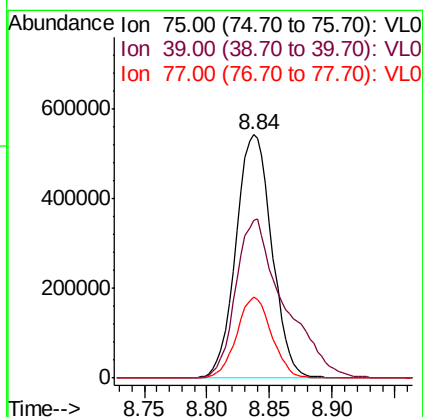
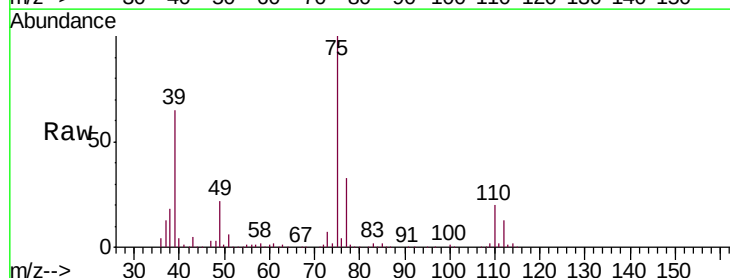
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

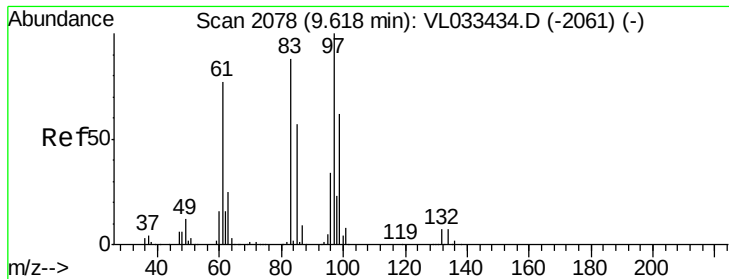
Tgt Ion: 75 Resp: 967158
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7



#46
 cis-1,3-Dichloropropene
 Concen: 8.882 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 75 Resp: 1079955
 Ion Ratio Lower Upper
 75 100
 39 64.9 54.1 81.1
 77 33.5 23.9 35.9

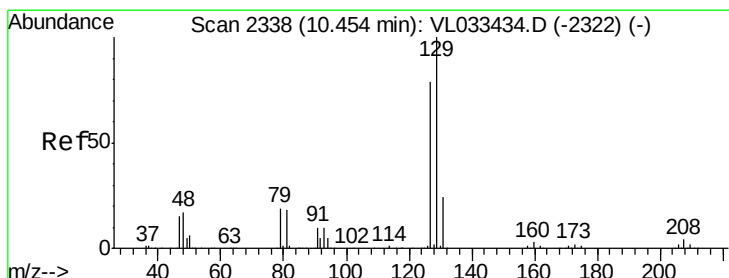
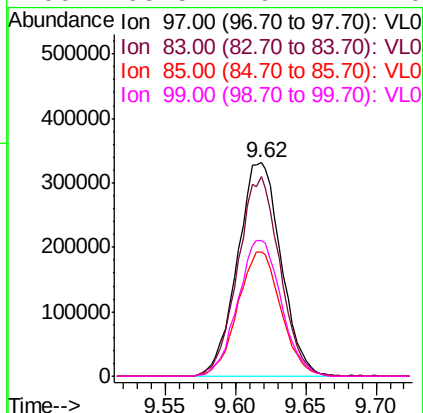
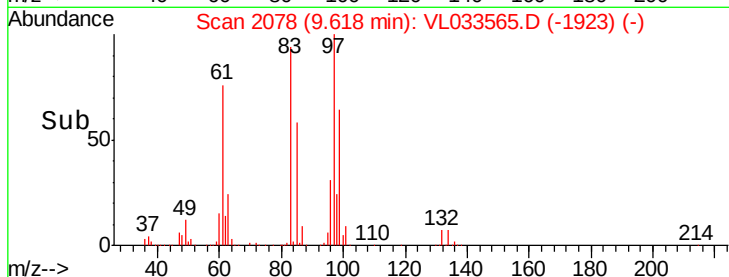
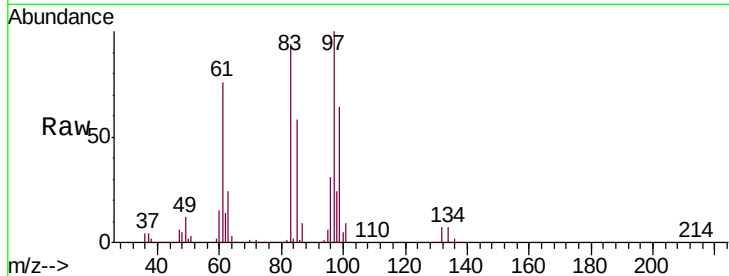




#47
 1,1,2-Trichloroethane
 Concen: 7.724 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

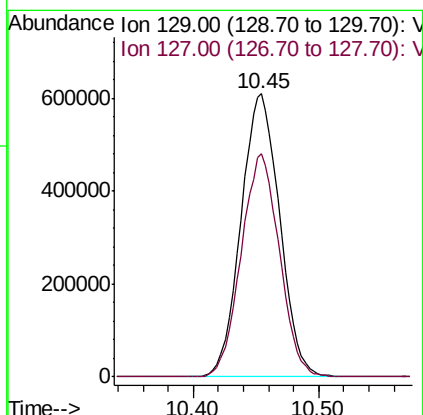
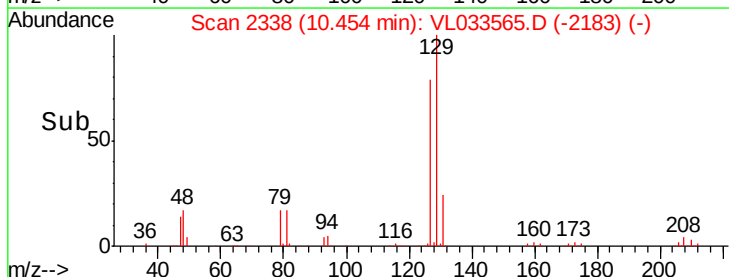
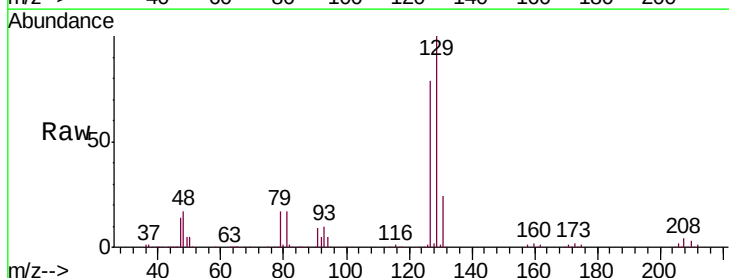
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

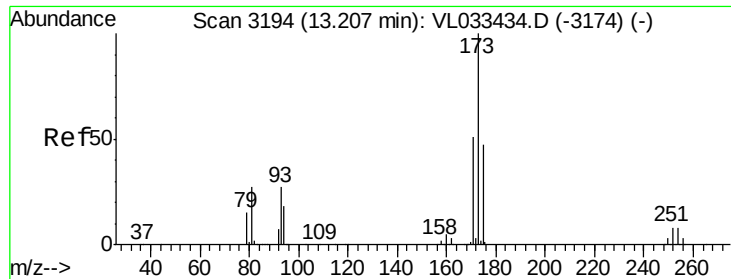
Tgt Ion: 97 Resp: 717564
 Ion Ratio Lower Upper
 97 100
 83 93.4 70.5 105.7
 85 57.6 45.6 68.4
 99 63.5 49.4 74.0



#48
 Dibromochloromethane
 Concen: 8.324 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 129 Resp: 1304371
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.2





#49

Bromoform

Concen: 7.999 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

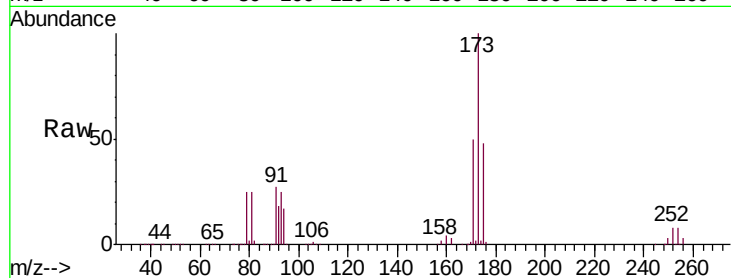
Tgt Ion:173 Resp: 1197459

Ion Ratio Lower Upper

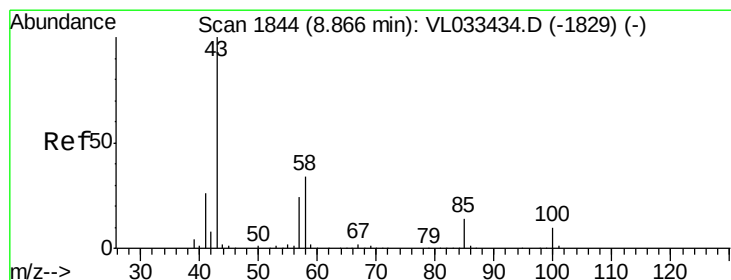
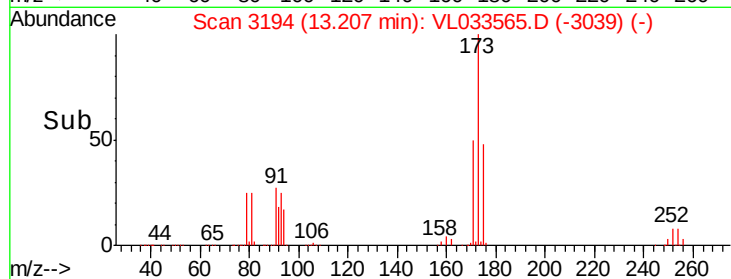
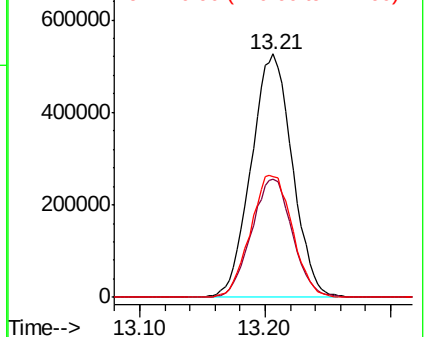
173 100

175 48.6 39.3 58.9

171 51.3 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: 7.828 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033565.D

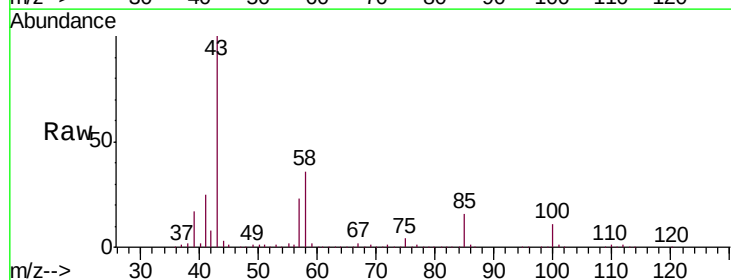
Acq: 10 Apr 2019 15:25

Tgt Ion: 43 Resp: 1714163

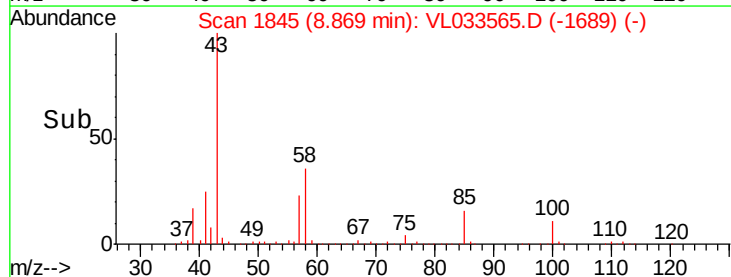
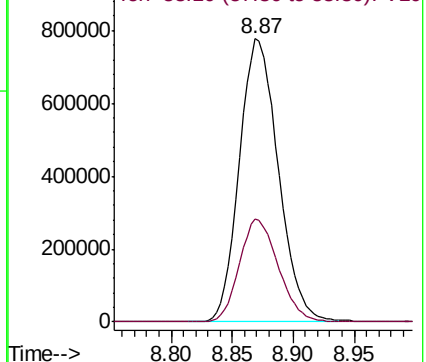
Ion Ratio Lower Upper

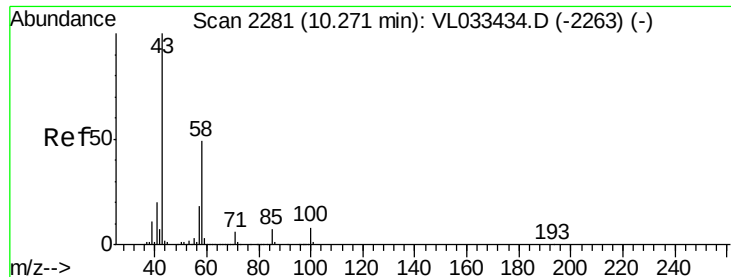
43 100

58 36.4 28.0 42.0



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

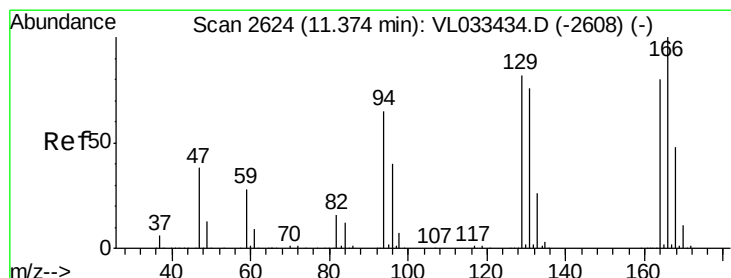
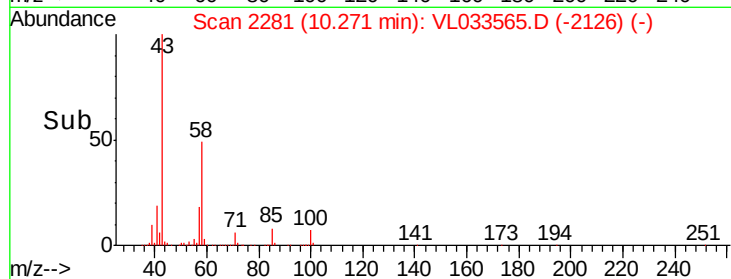
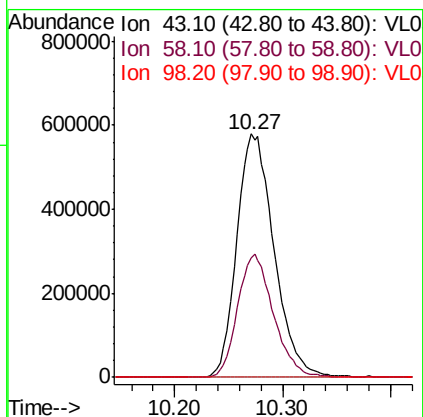
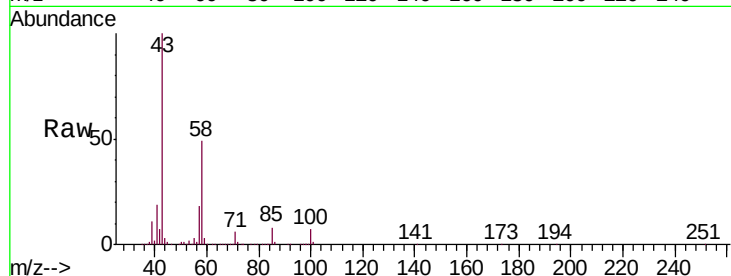




#51
 2-Hexanone
 Concen: 8.511 ppbv
 RT: 10.27 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

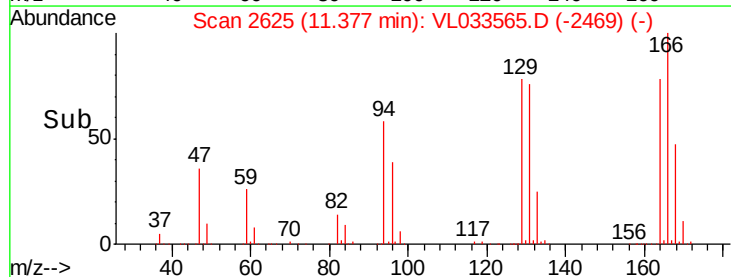
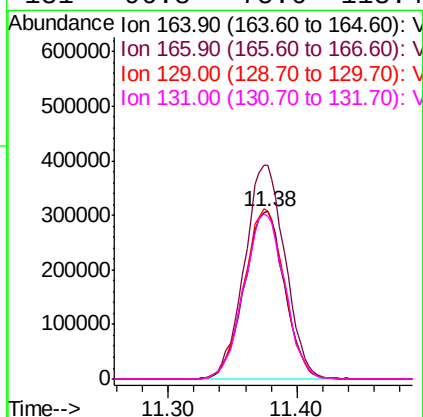
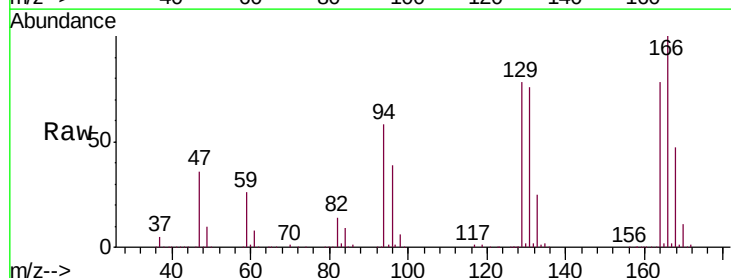
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

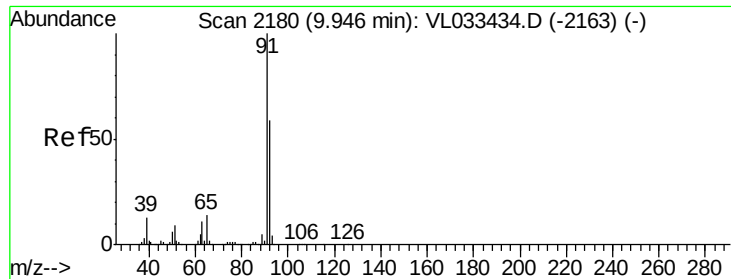
Tgt Ion: 43 Resp: 1390149
 Ion Ratio Lower Upper
 43 100
 58 48.9 38.2 57.2
 98 0.2 0.2 0.2



#52
 Tetrachloroethene
 Concen: 8.480 ppbv
 RT: 11.38 min Scan# 2625
 Delta R.T. 0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 164 Resp: 668190
 Ion Ratio Lower Upper
 164 100
 166 127.5 99.5 149.3
 129 100.1 81.4 122.2
 131 96.8 75.6 113.4





#53

Toluene

Concen: 8.689 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

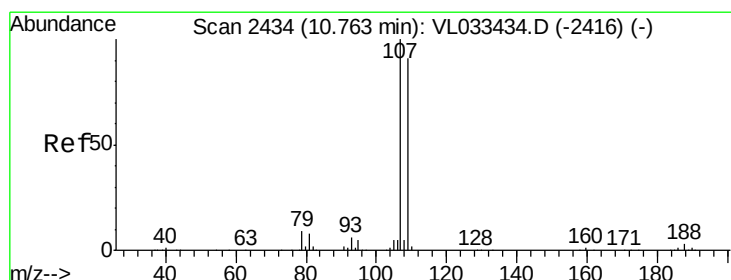
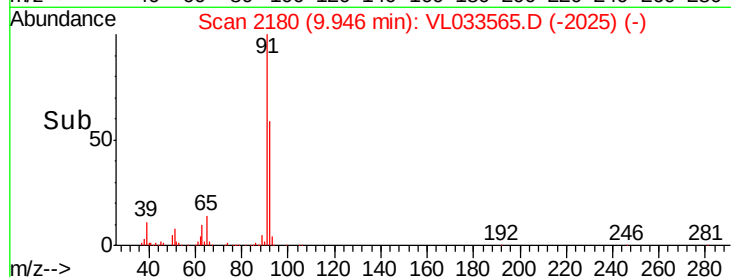
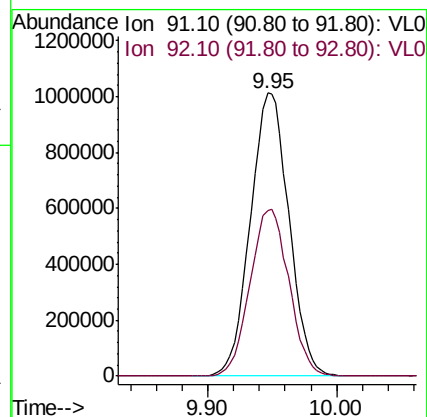
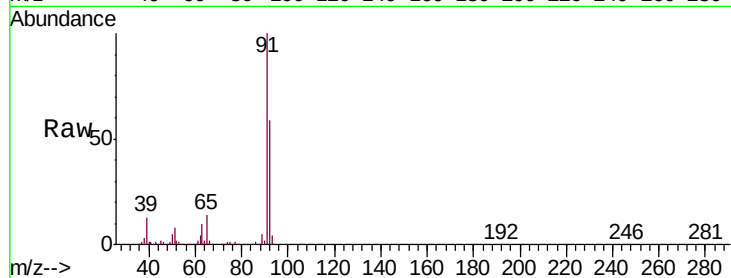
VL0410ABS01

Tgt Ion: 91 Resp: 2108843

Ion Ratio Lower Upper

91 100

92 59.5 47.4 71.0



#54

1,2-Dibromoethane

Concen: 7.993 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033565.D

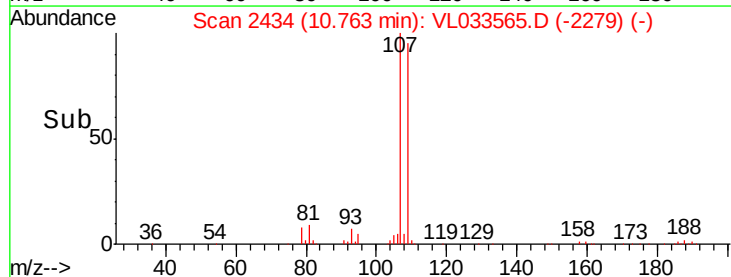
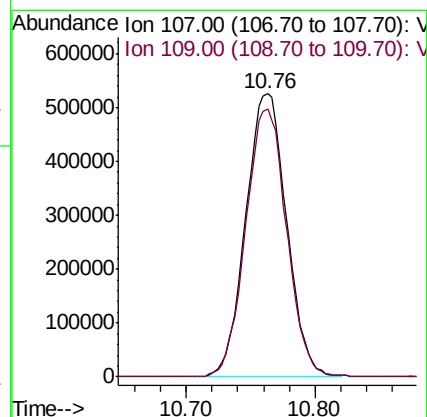
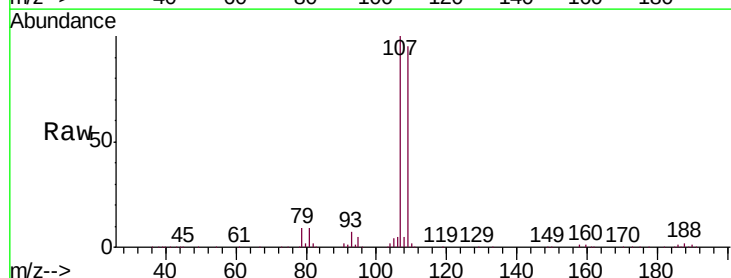
Acq: 10 Apr 2019 15:25

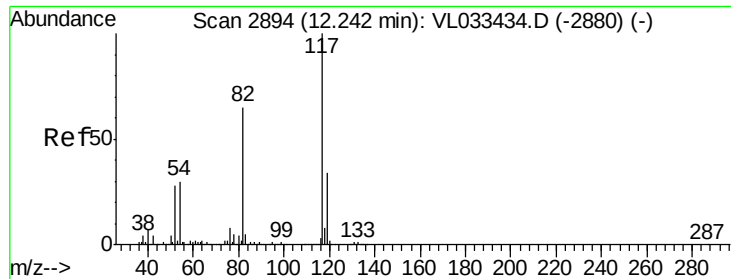
Tgt Ion: 107 Resp: 1161514

Ion Ratio Lower Upper

107 100

109 94.6 72.7 109.1

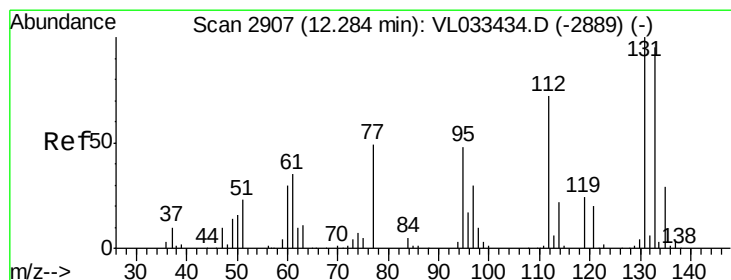
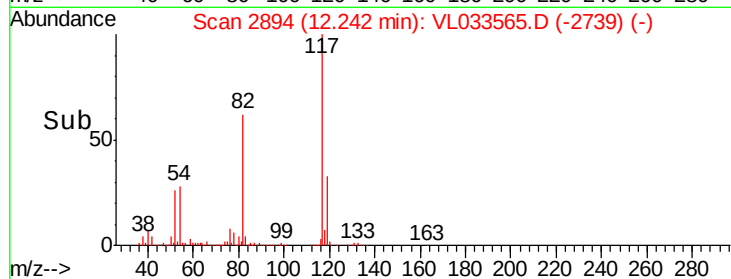
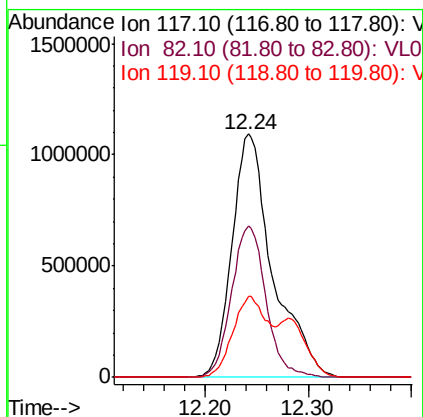
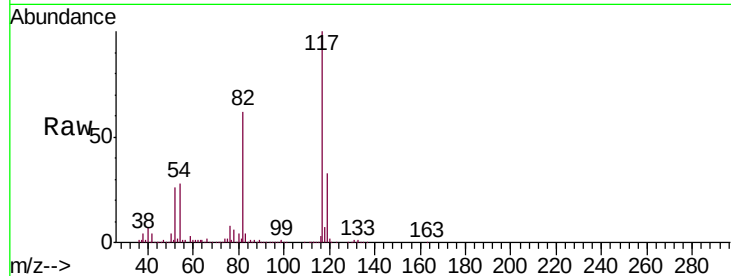




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

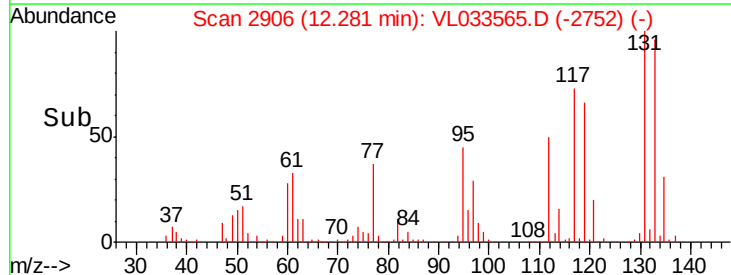
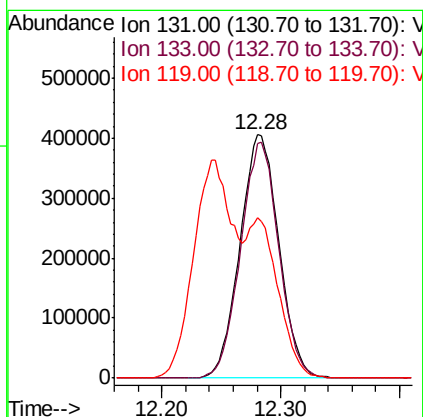
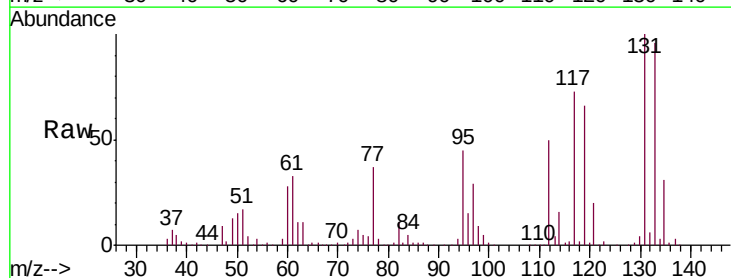
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

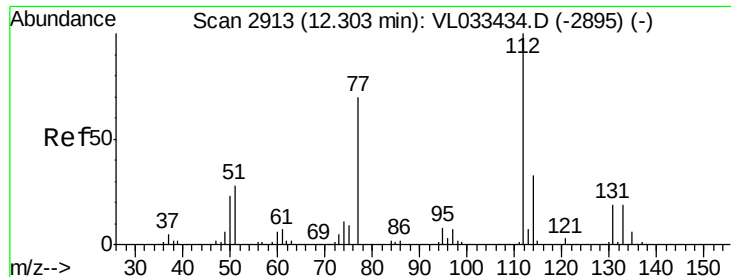
Tgt Ion:117 Resp: 3009424
Ion Ratio Lower Upper
117 100
82 52.7 51.5 77.3
119 44.9 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 6.654 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion:131 Resp: 917762
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.4
119 147.2 45.0 67.6#

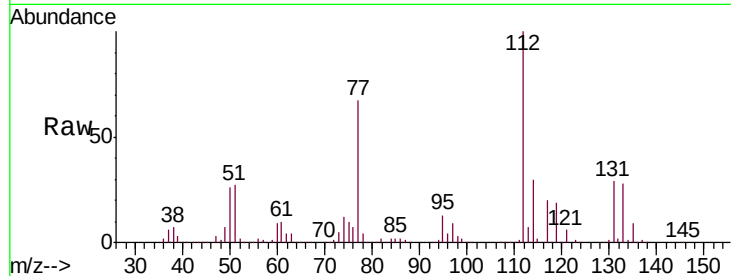




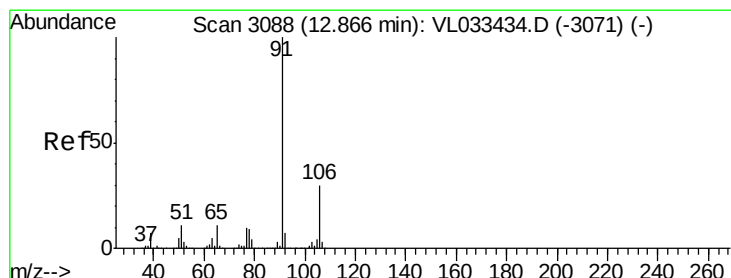
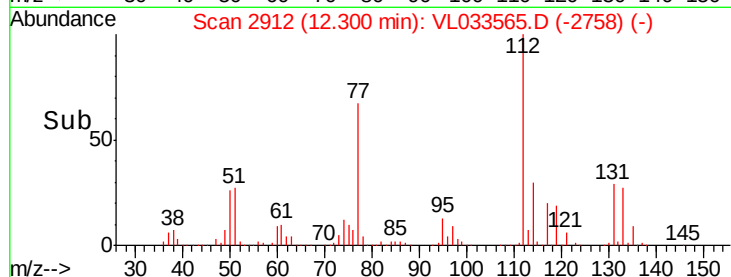
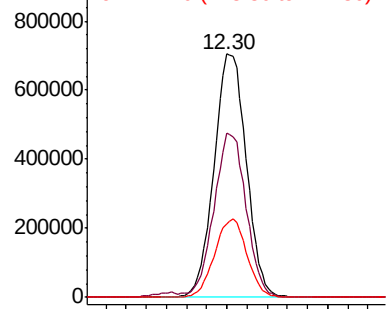
#57
Chlorobenzene
Concen: 6.683 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion: 112 Resp: 1561697
Ion Ratio Lower Upper
112 100
77 67.1 57.3 85.9
114 30.3 29.8 36.4

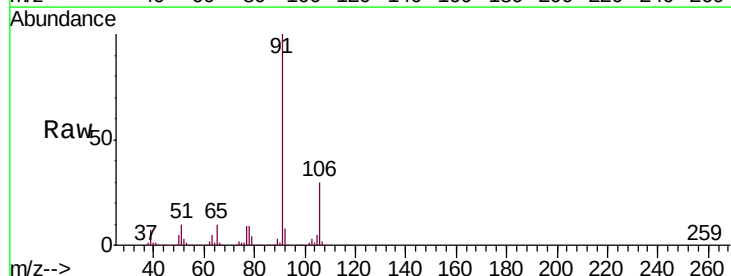


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

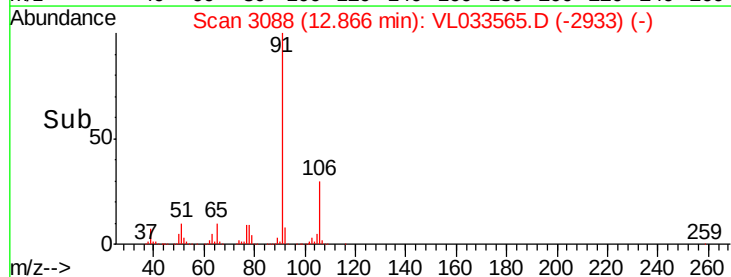
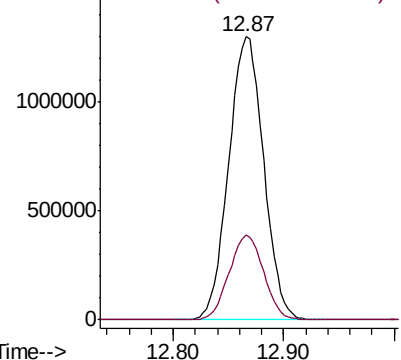


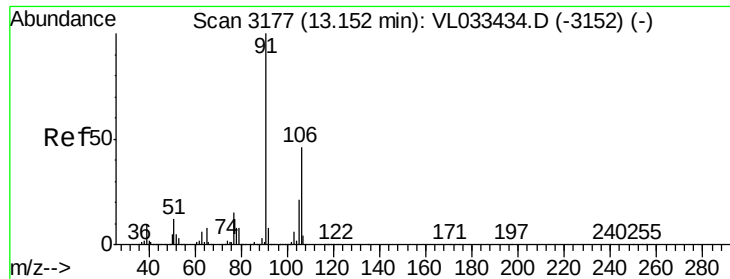
#58
Ethyl Benzene
Concen: 7.123 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion: 91 Resp: 2862457
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



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

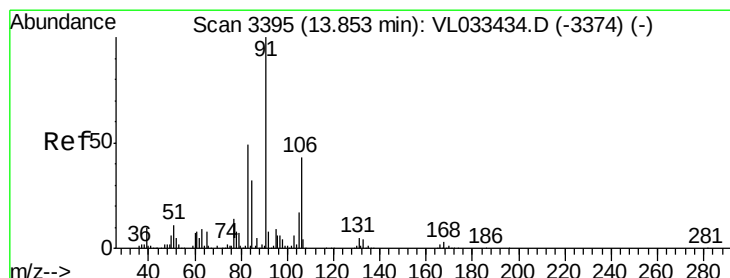
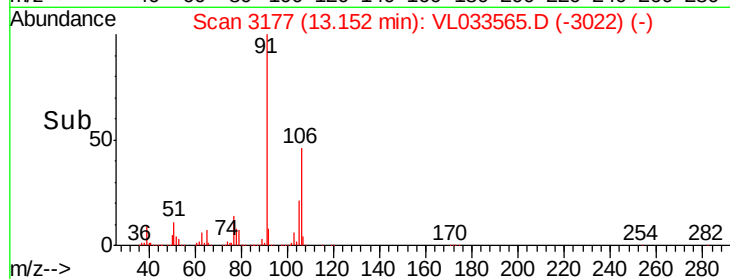
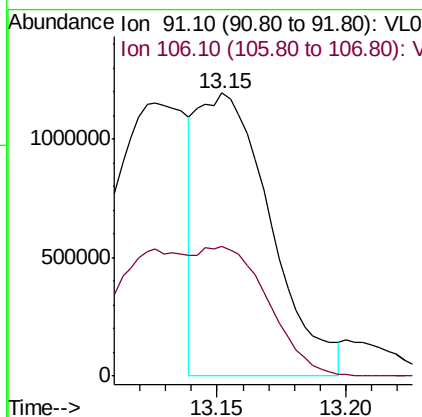
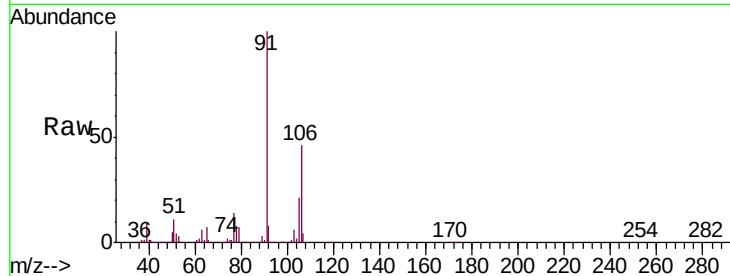




#59
m/p-Xylene
Concen: 6.547 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

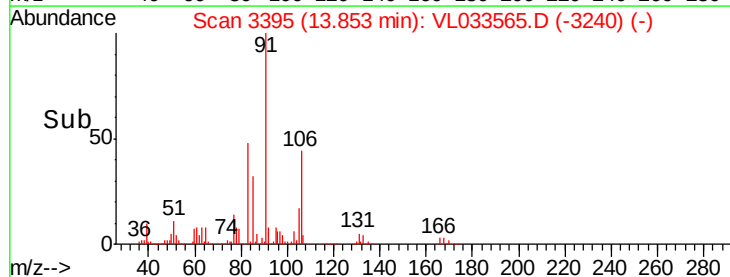
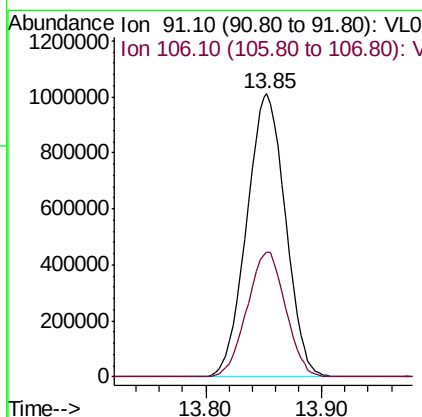
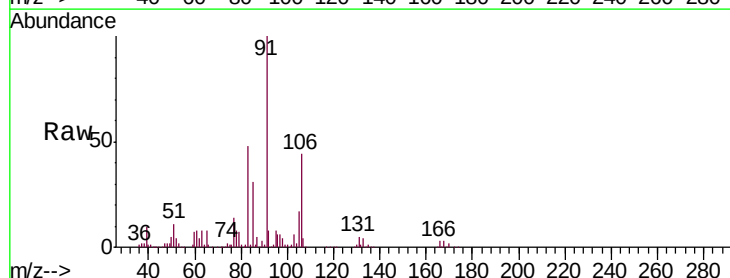
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

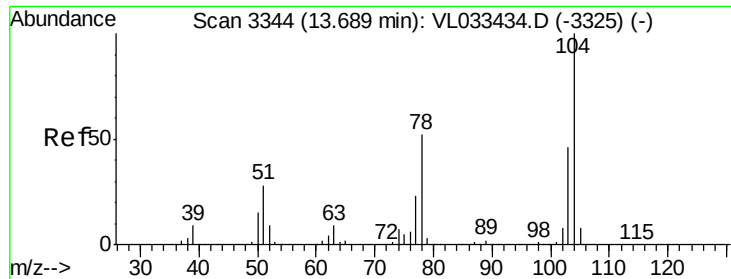
Tgt Ion: 91 Resp: 2350001
Ion Ratio Lower Upper
91 100
106 92.2 0.0 0.0#



#60
o-Xylene
Concen: 6.769 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033565.D
Acq: 10 Apr 2019 15:25

Tgt Ion: 91 Resp: 2349502
Ion Ratio Lower Upper
91 100
106 44.0 21.4 64.3





#61

Styrene

Concen: 7.505 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

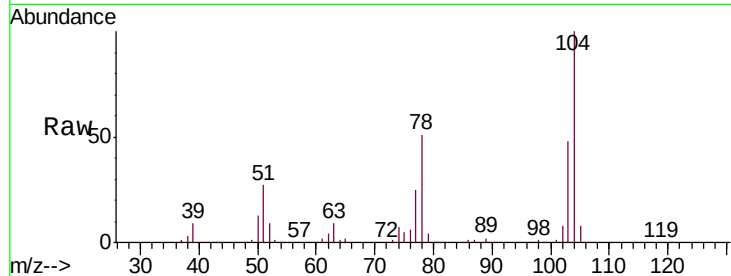
Tgt Ion:104 Resp: 1788071

Ion Ratio Lower Upper

104 100

78 51.9 43.2 64.8

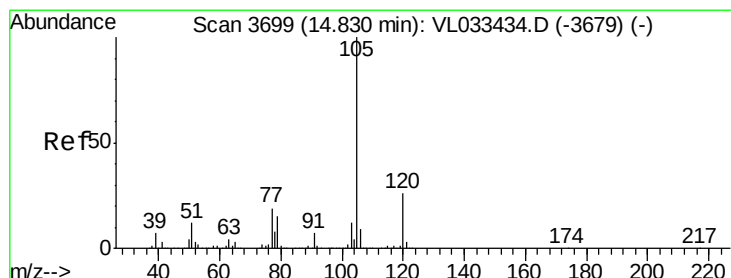
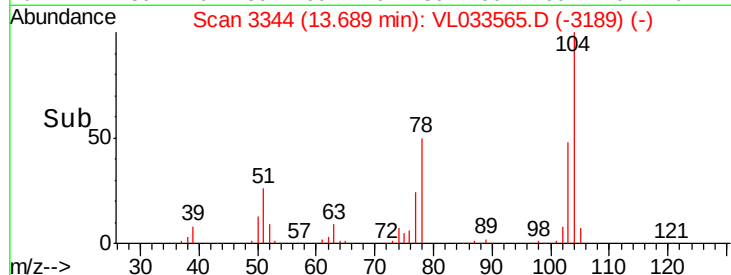
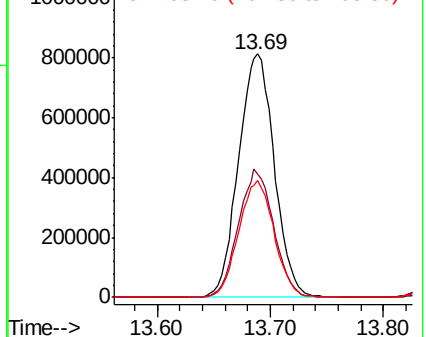
103 47.6 37.8 56.8



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: 6.768 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033565.D

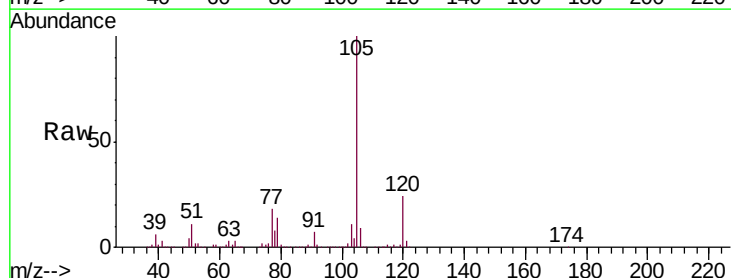
Acq: 10 Apr 2019 15:25

Tgt Ion:105 Resp: 3326648

Ion Ratio Lower Upper

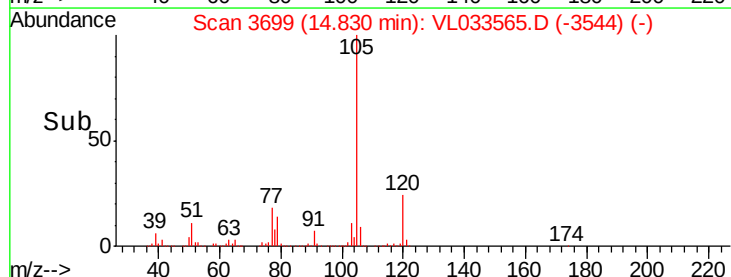
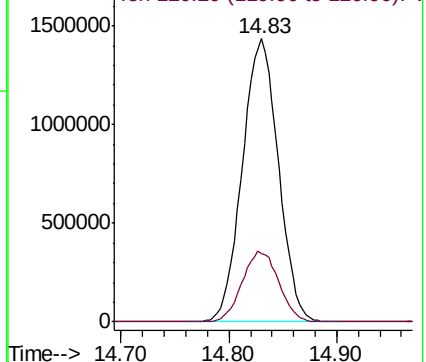
105 100

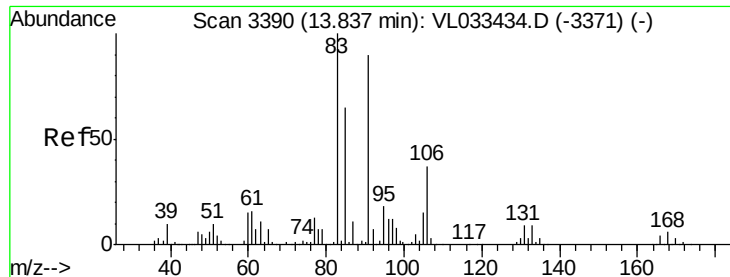
120 25.3 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

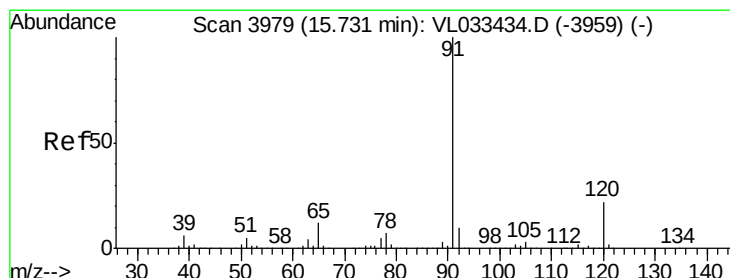
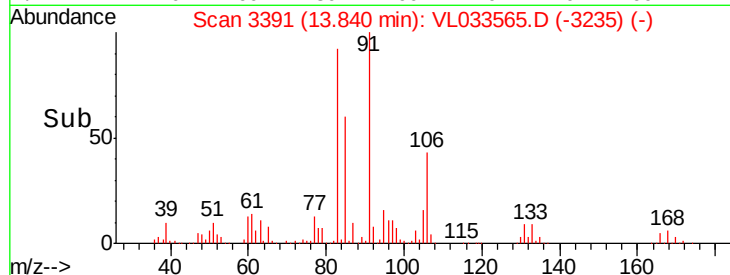
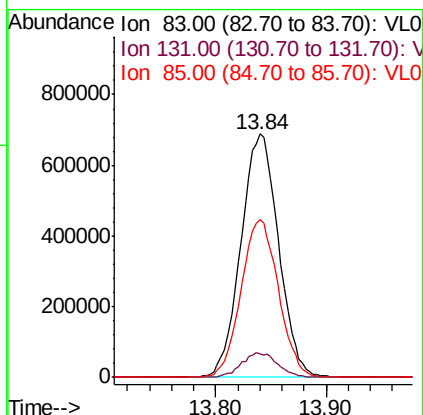
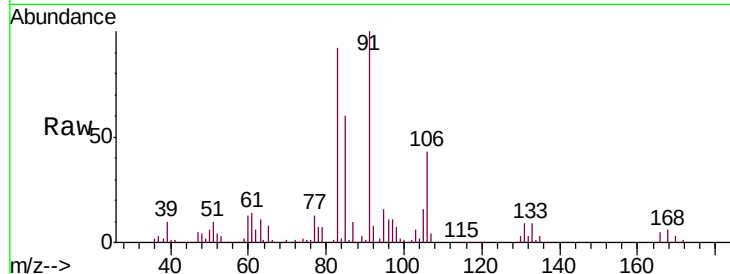




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.365 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

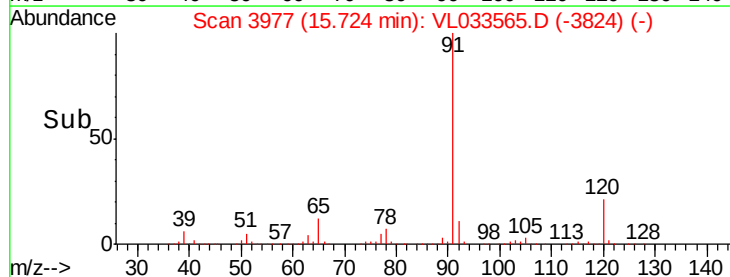
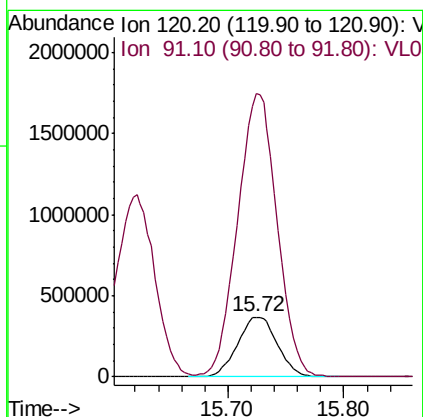
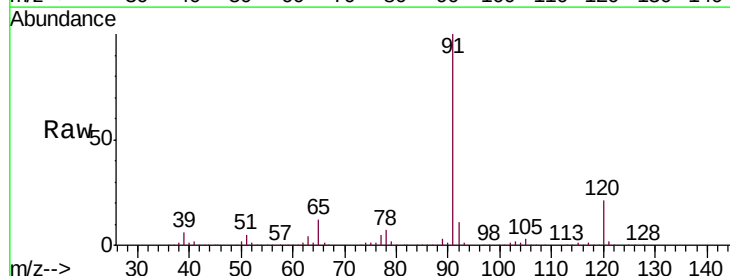
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

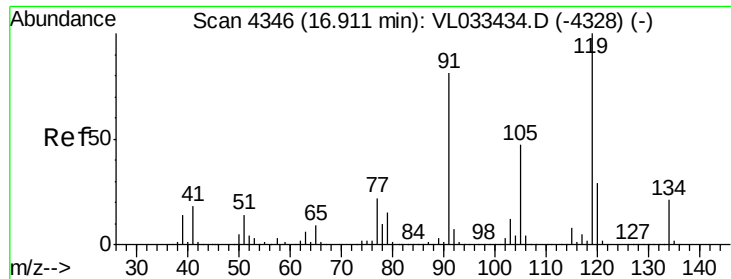
Tgt Ion: 83 Resp: 1626800
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.7 14.0
 85 64.5 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.023 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.01 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 120 Resp: 875929
 Ion Ratio Lower Upper
 120 100
 91 471.6 387.4 581.2

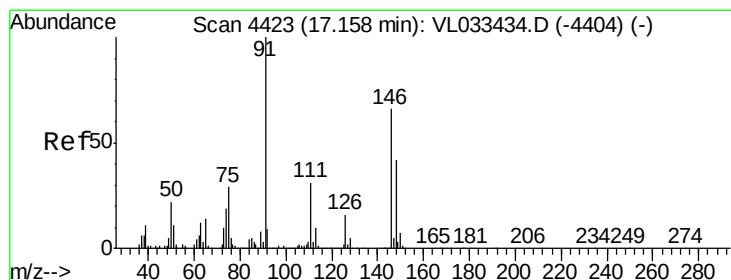
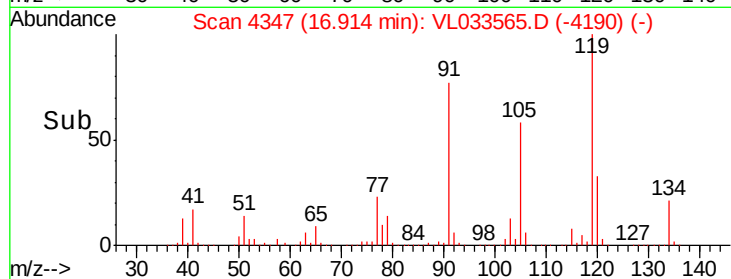
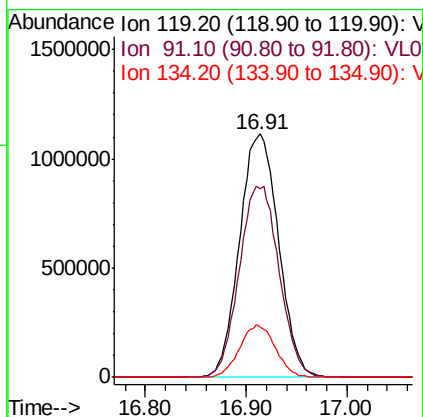
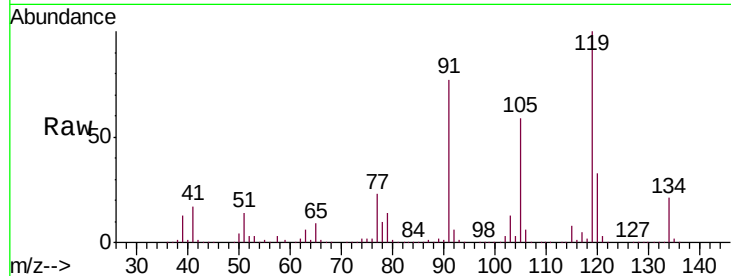




#65
 tert-Butylbenzene
 Concen: 6.904 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

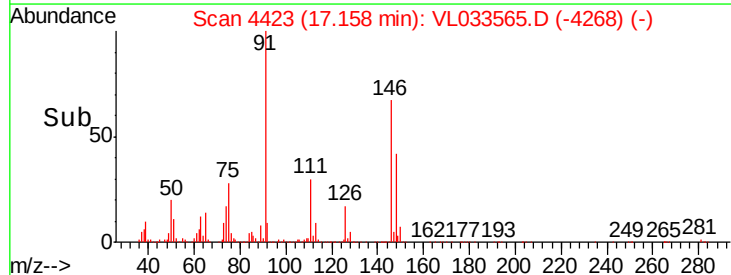
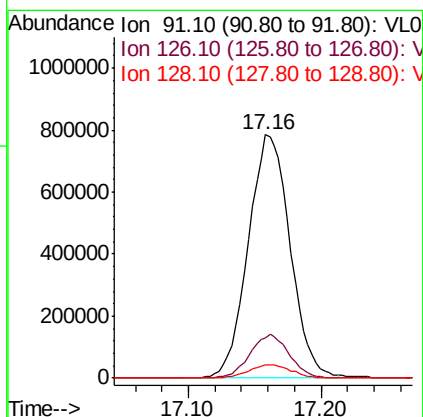
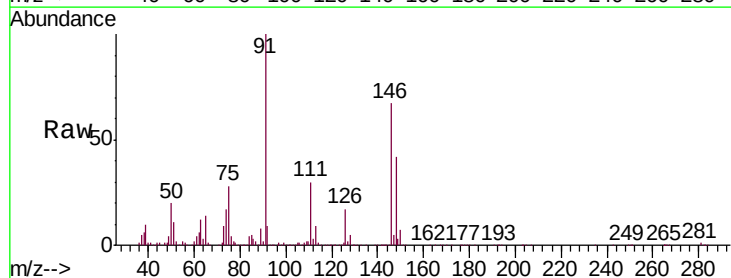
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

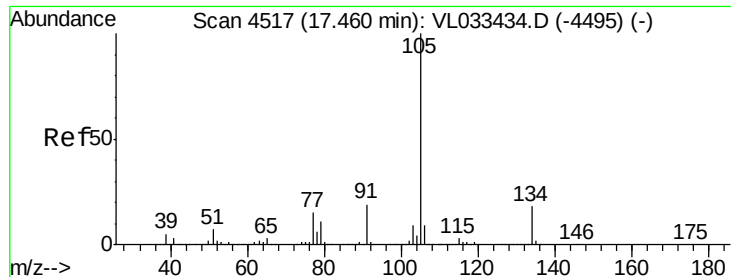
Tgt Ion: 119 Resp: 2990459
 Ion Ratio Lower Upper
 119 100
 91 80.3 66.4 99.6
 134 19.7 15.5 23.3



#66
 Benzyl Chloride
 Concen: 8.529 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 91 Resp: 1717830
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.0 19.6
 128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 6.855 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

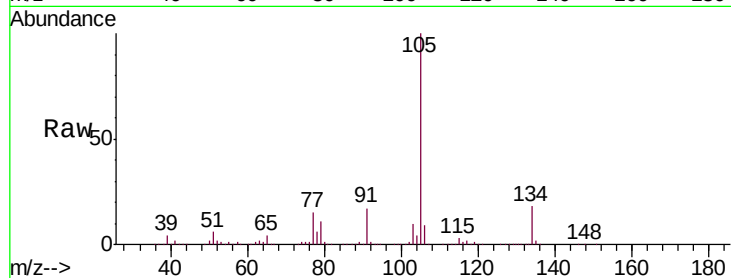
VL0410ABS01

Tgt Ion: 105 Resp: 4222457

Ion Ratio Lower Upper

105 100

134 18.1 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V

17.46

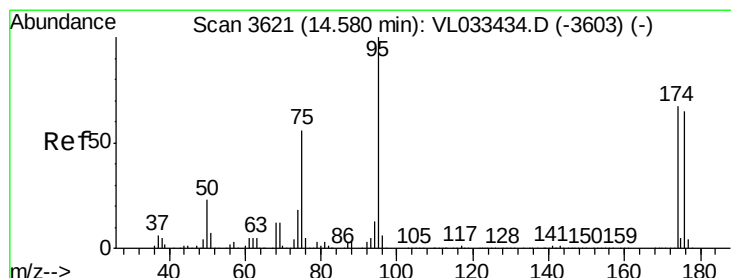
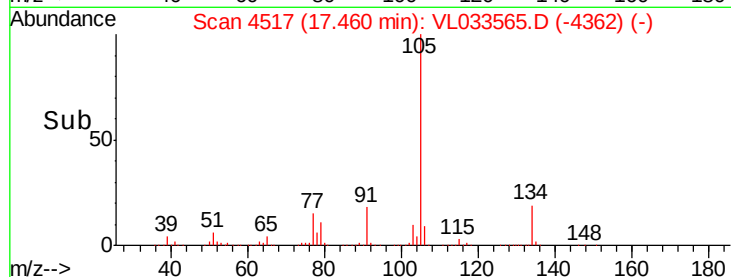
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.150 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

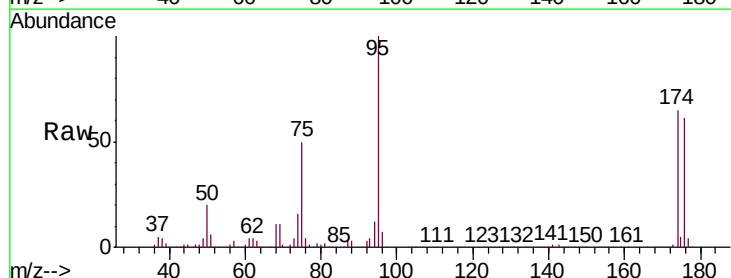
Tgt Ion: 95 Resp: 1922807

Ion Ratio Lower Upper

95 100

174 69.0 52.9 79.3

175 5.0 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

1200000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.58

1000000

800000

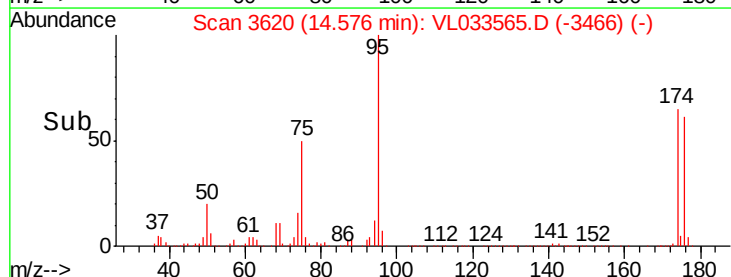
600000

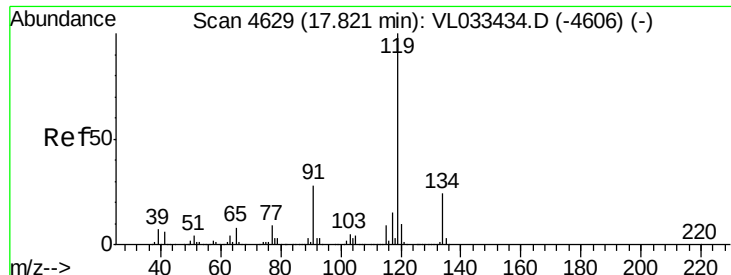
400000

200000

0

Time-->

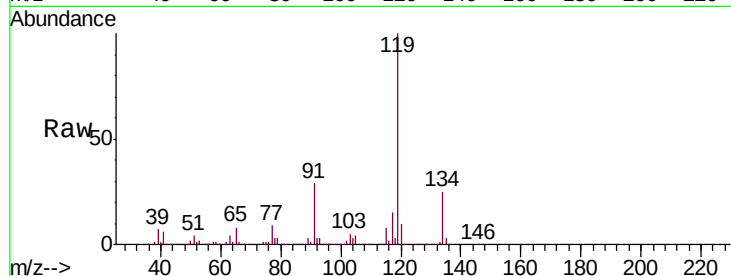




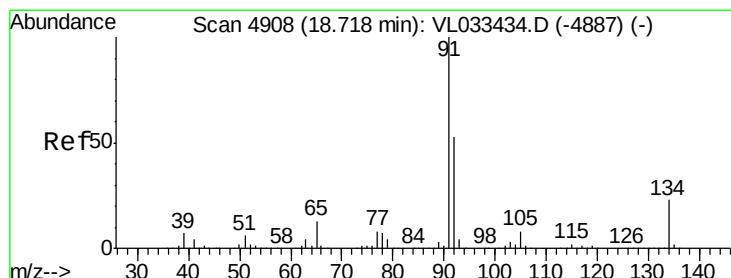
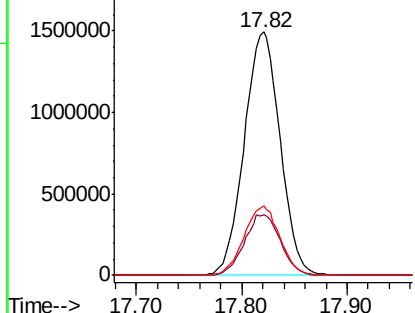
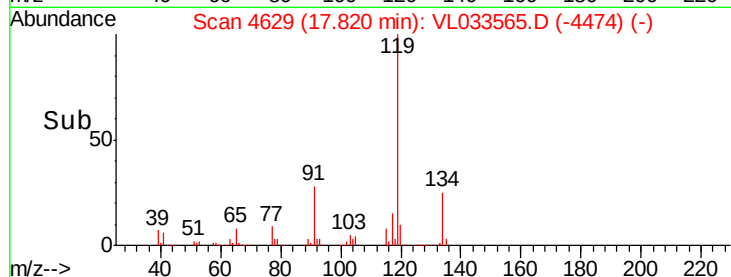
#69
 p-Isopropyltoluene
 Concen: 7.043 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Tgt Ion: 119 Resp: 3532515
 Ion Ratio Lower Upper
 119 100
 134 25.1 19.9 29.9
 91 28.5 23.4 35.0

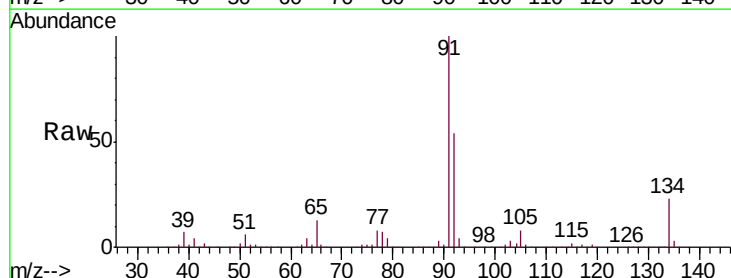


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

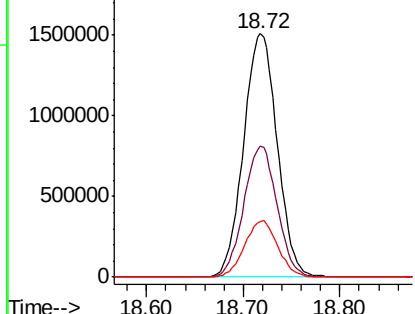
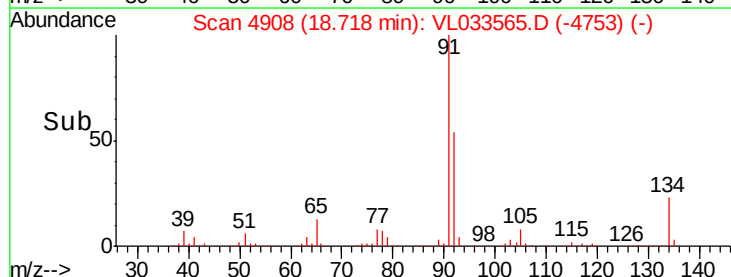


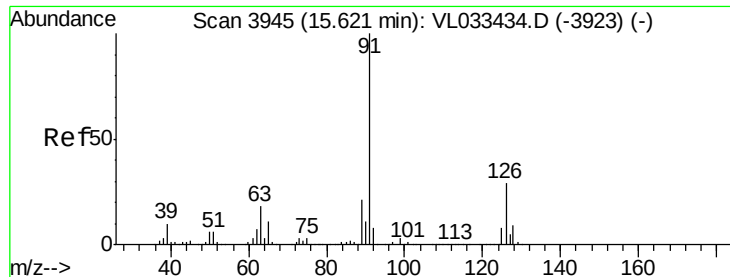
#70
 n-Butylbenzene
 Concen: 6.851 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion: 91 Resp: 3640865
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.6 64.0
 134 22.7 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: 6.957 ppbv

RT: 15.62 min Scan# 3945

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

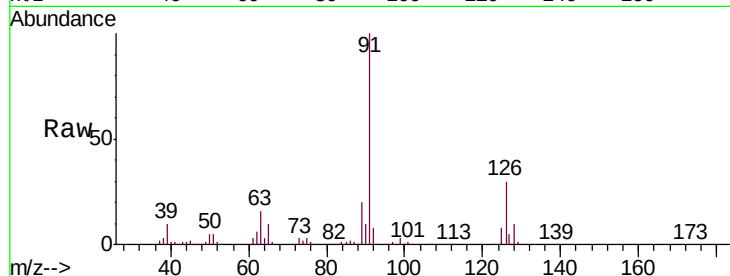
VL0410ABS01

Tgt Ion: 91 Resp: 2600330

Ion Ratio Lower Upper

91 100

126 29.9 11.7 46.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

1000000

500000

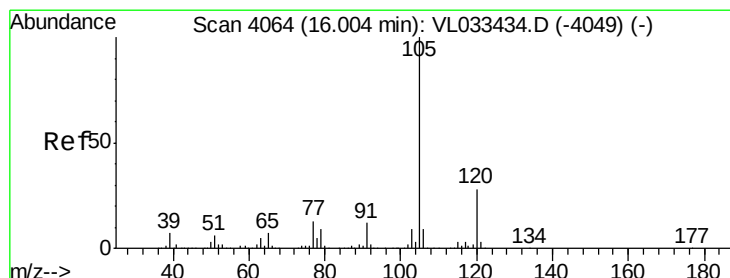
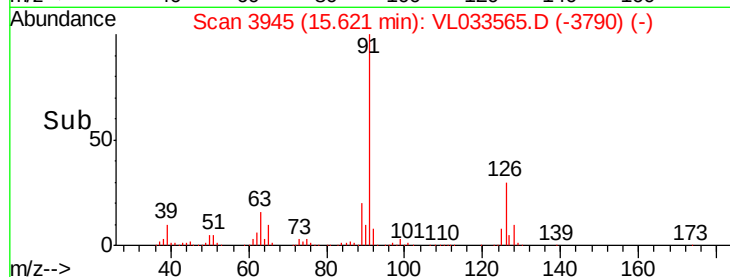
0

15.50

15.62

15.70

Time-->



#72

4-Ethyltoluene

Concen: 7.184 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Tgt Ion: 105 Resp: 2803156

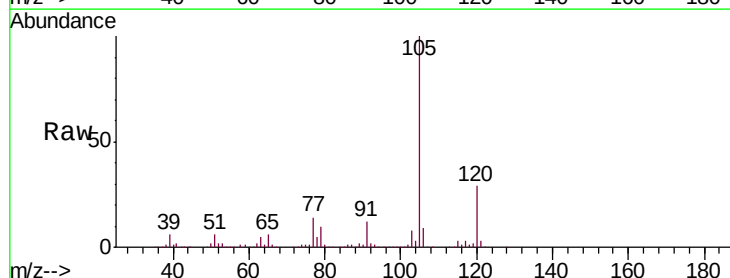
Ion Ratio Lower Upper

105 100

120 29.0 23.2 34.8

91 12.6 10.4 15.6

77 13.4 11.3 16.9



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

1500000

1000000

500000

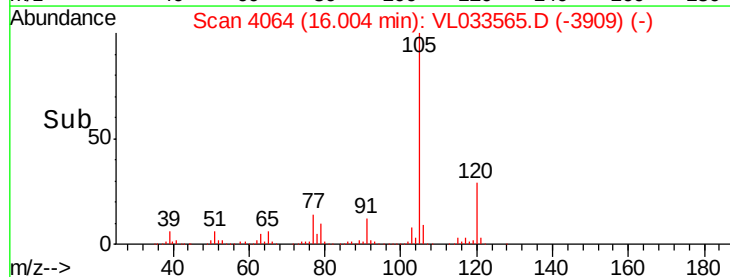
0

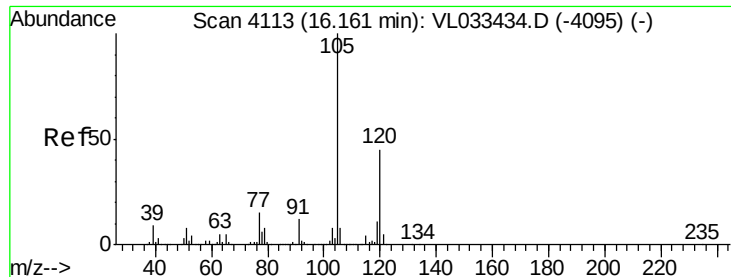
15.90

16.00

16.10

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.132 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

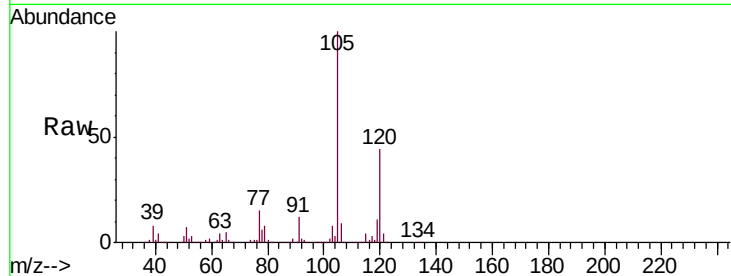
VL0410ABS01

Tgt Ion:105 Resp: 2663091

Ion Ratio Lower Upper

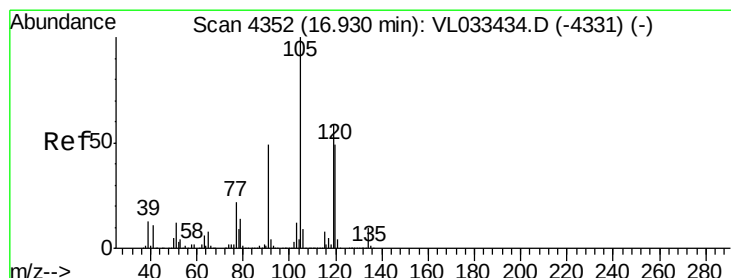
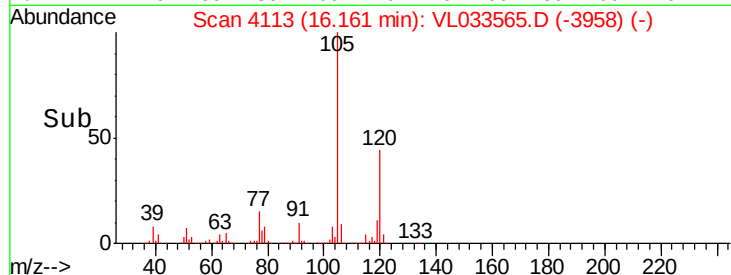
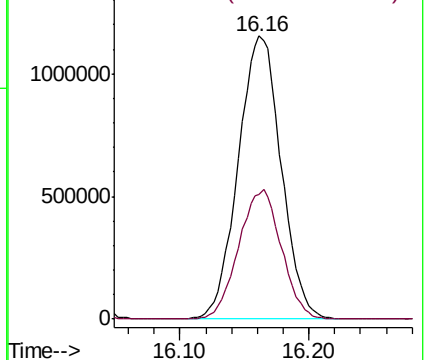
105 100

120 44.2 35.7 53.5



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: 6.824 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Tgt Ion:105 Resp: 2730922

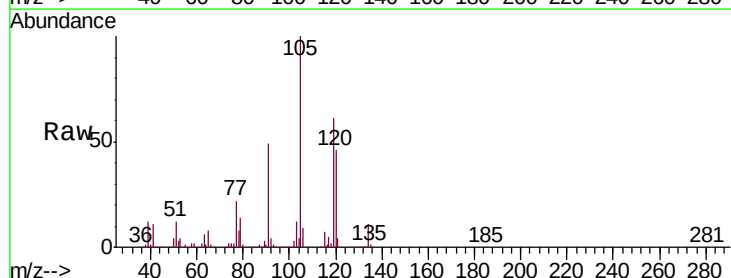
Ion Ratio Lower Upper

105 100

120 45.7 39.0 58.6

91 48.6 40.0 60.0

77 21.7 17.5 26.3

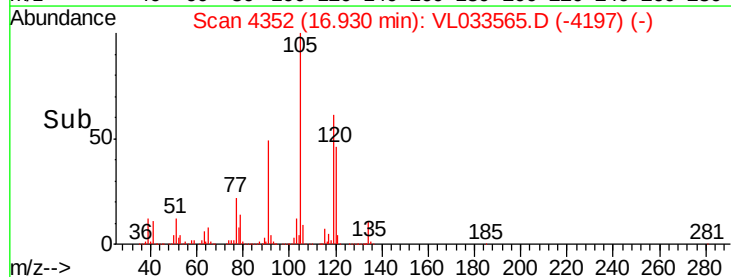
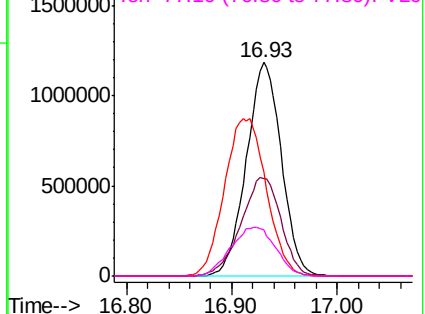


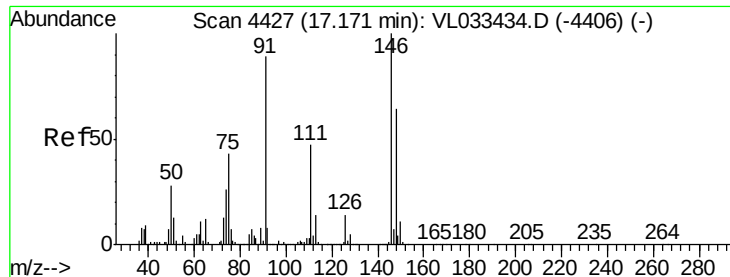
Abundance Ion 105.10 (104.80 to 105.80): V

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

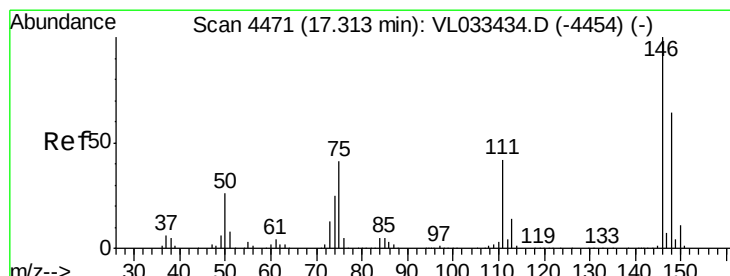
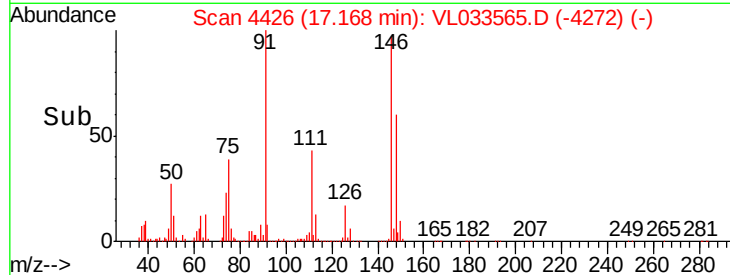
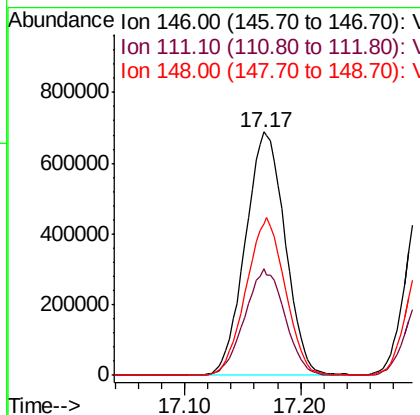
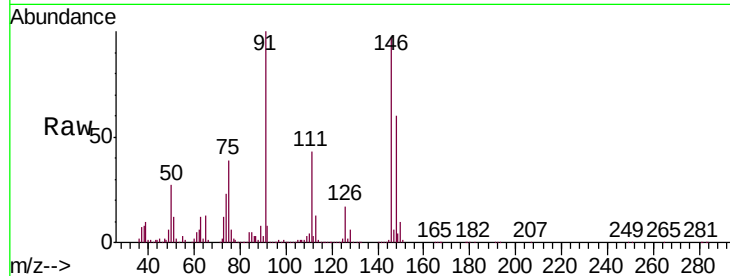




#75
 1,3-Dichlorobenzene
 Concen: 6.630 ppbv
 RT: 17.17 min Scan# 4426
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

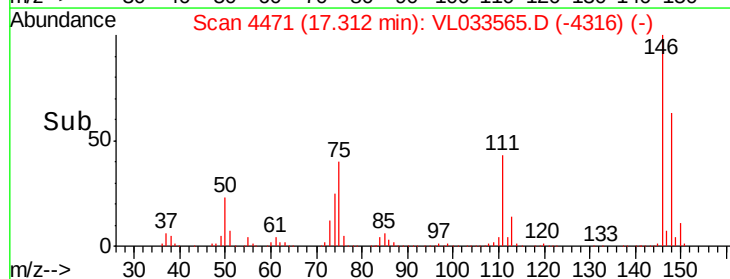
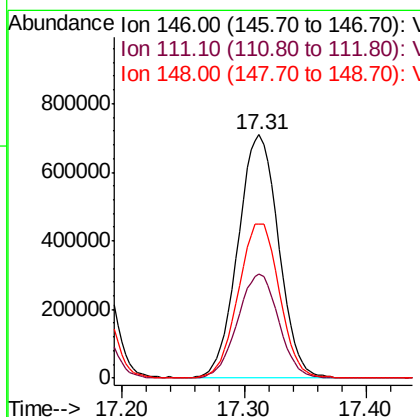
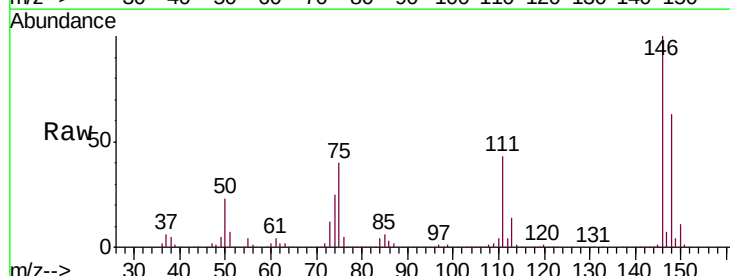
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

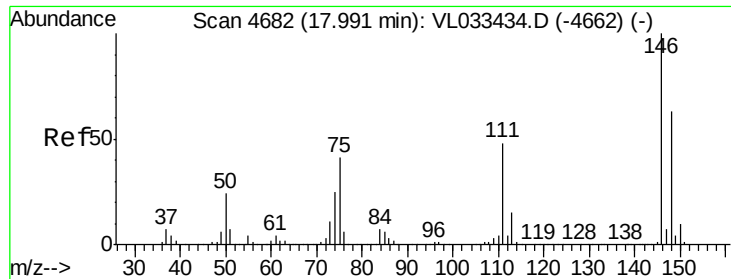
Tgt Ion:146 Resp: 1640014
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.9 68.8
 148 63.6 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 6.741 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion:146 Resp: 1624579
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.7 65.1
 148 64.8 32.0 96.2

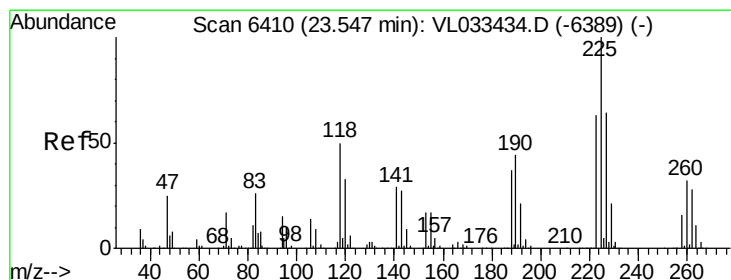
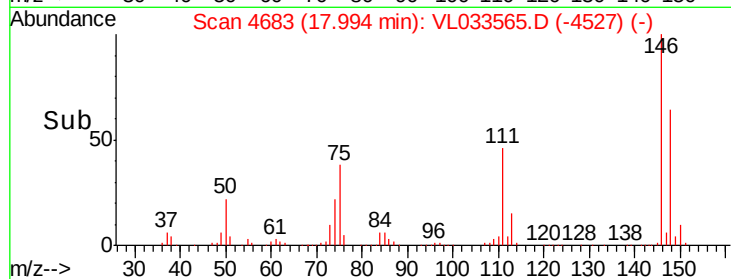
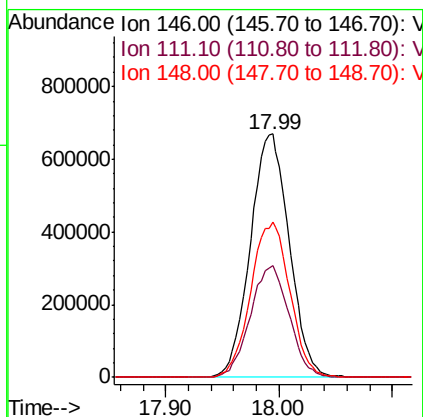
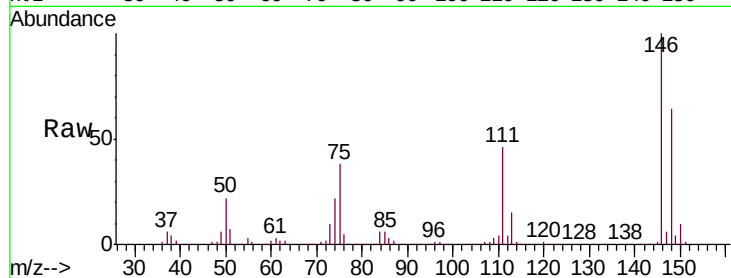




#77
 1,2-Dichlorobenzene
 Concen: 6.808 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

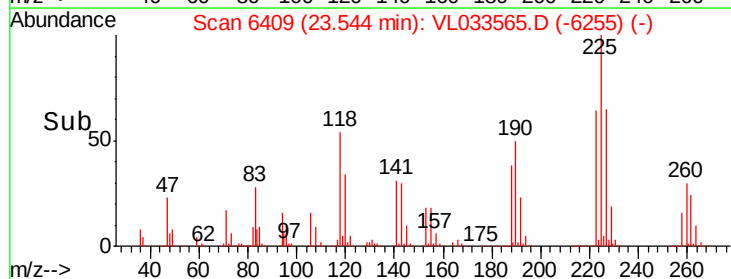
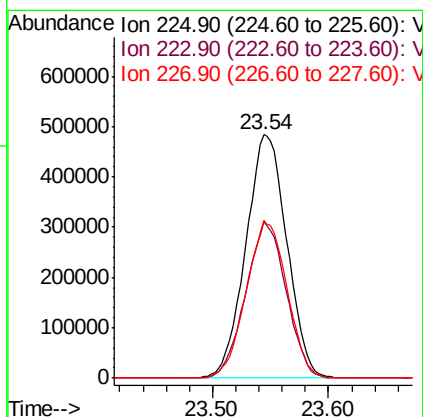
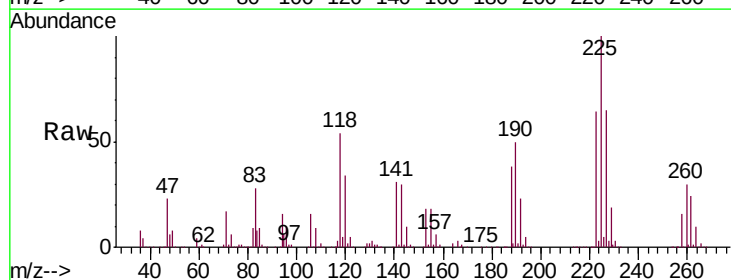
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

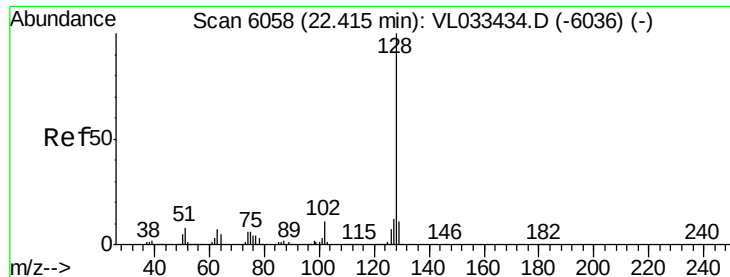
Tgt Ion:146 Resp: 1597742
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.5 70.5
 148 64.3 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.671 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Tgt Ion:225 Resp: 1191852
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.0 75.0
 227 64.2 51.1 76.7





#79

Naphthalene

Concen: 7.985 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

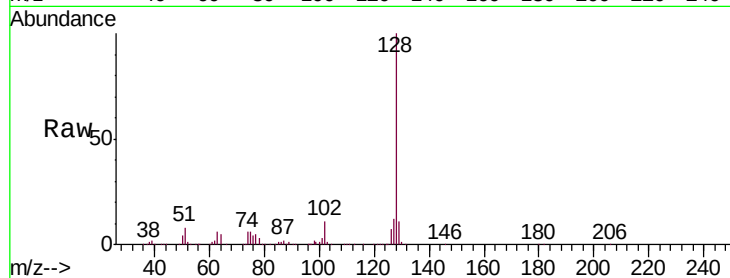
Tgt Ion:128 Resp: 2735548

Ion Ratio Lower Upper

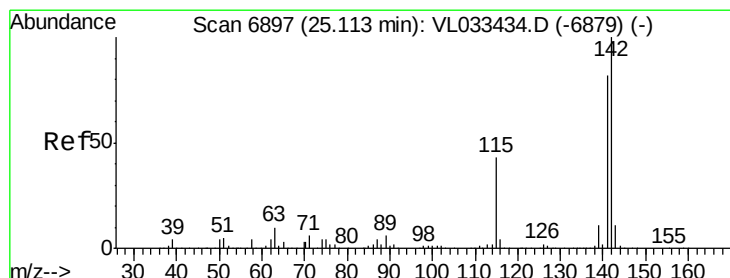
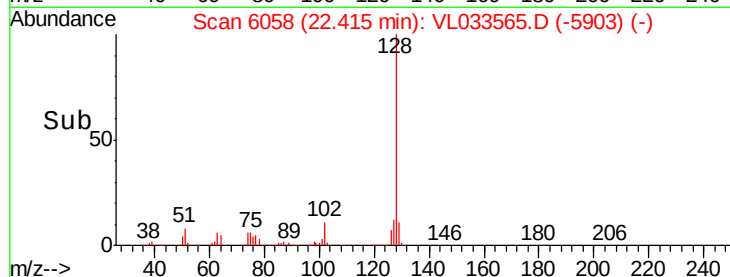
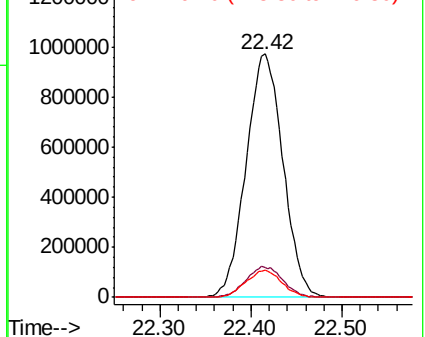
128 100

127 12.4 9.8 14.8

129 11.1 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: 10.844 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033565.D

Acq: 10 Apr 2019 15:25

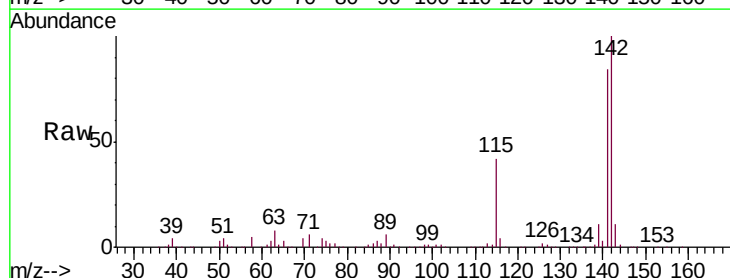
Tgt Ion:142 Resp: 1246815

Ion Ratio Lower Upper

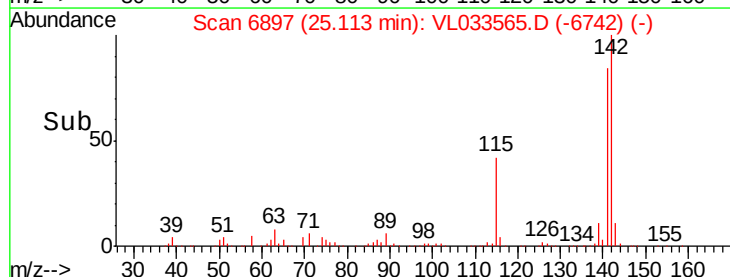
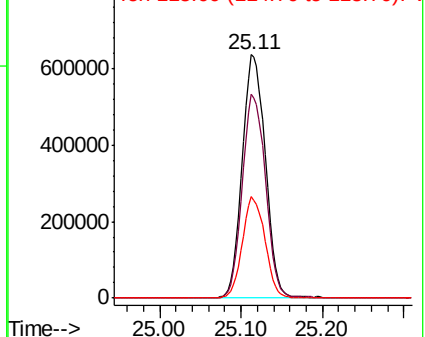
142 100

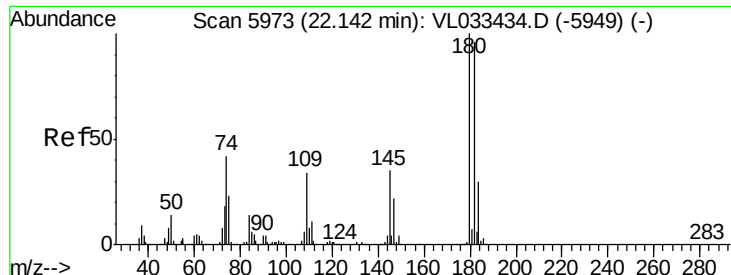
141 84.0 66.6 99.8

115 40.7 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: 7.450 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033565.D
 Acq: 10 Apr 2019 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Tgt Ion:180 Resp: 1415710
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.0 115.4
 184 30.7 24.6 36.8

