

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050719\
 Data File : VL033679.D
 Acq On : 7 May 2019 13:01
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Quant Time: May 08 03:22:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	977081	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2287307	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2554051m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1978941	9.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1913211	8.349	ppbv 99
3) Chlorodifluoromethane	3.01	51	1168641	8.282	ppbv 99
4) Chloromethane	3.17	50	616745	8.407	ppbv 99
5) Vinyl Chloride	3.29	62	616926	8.650	ppbv 100
6) Bromomethane	3.51	94	399014	8.806	ppbv 96
7) Chloroethane	3.60	64	229587	8.867	ppbv 98
8) Dichlorotetrafluoroethane	3.22	85	1604058	8.504	ppbv 99
9) Propene	3.03	41	474592	8.822	ppbv 99
10) Heptane	8.25	43	1314358	9.900	ppbv 99
11) Trichlorofluoromethane	4.00	101	1907661	8.915	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1280668	8.902	ppbv 99
13) Ethanol	3.65	45	123927	7.675	ppbv 100
14) Bromoethene	3.78	108	503339	8.876	ppbv 99
15) Acetone	3.90	43	1218891	8.385	ppbv 98
16) 1,3-Butadiene	3.36	39	558340	8.956	ppbv 100
17) tert-Butyl alcohol	4.35	59	1087594	9.851	ppbv 100
18) 1,1-Dichloroethene	4.35	96	566728	9.125	ppbv 99
19) Isopropyl Alcohol	4.02	45	833388	9.332	ppbv 100
20) Methylene Chloride	4.41	84	476594	8.635	ppbv 98
21) Allyl Chloride	4.47	41	834223	9.481	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	572218	9.177	ppbv 94
23) Vinyl Acetate	5.15	43	1866109	9.880	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1276397	8.933	ppbv 100
25) Ethyl Acetate	5.77	43	2215193	9.367	ppbv 100
26) Hexane	5.77	57	972873	9.570	ppbv 99
27) Carbon Disulfide	4.62	76	1414286	10.171	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1640851	9.584	ppbv 100
29) Chloroform	5.85	83	1677571	9.178	ppbv 99
30) Cyclohexane	7.25	84	838187	9.818	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	1017104	10.057	ppbv 97
32) 1,1,1-Trichloroethane	6.62	97	1699875	9.006	ppbv 100
34) 2-Butanone	5.33	43	1487314	10.154	ppbv 100
35) Carbon Tetrachloride	7.13	117	1855528	9.871	ppbv 96
36) Benzene	7.00	78	2026687	9.881	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1269024	8.868	ppbv 100
38) Trichloroethene	7.96	130	829935	11.031	ppbv 97
39) 1,2-Dichloropropane	7.73	63	750740	9.821	ppbv 98
40) 1,4-Dioxane	7.95	88	306063	10.018	ppbv 97
41) Tetrahydrofuran	6.14	42	795746	10.513	ppbv 100
42) Bromodichloromethane	7.92	83	1824065	9.872	ppbv 98
43) Methyl Methacrylate	8.14	69	833001	10.797	ppbv 99

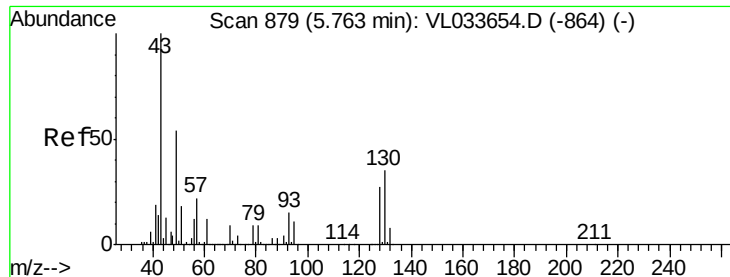
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3444887	9.823	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1149876	12.144	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1287814	10.897	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	864182	9.844	ppbv	98
48) Dibromochloromethane	10.45	129	1630132	10.954	ppbv	99
49) Bromoform	13.20	173	1439236	11.134	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2243330	10.115	ppbv	100
51) 2-Hexanone	10.27	43	1879777	10.940	ppbv	100
52) Tetrachloroethene	11.37	164	802165	11.039	ppbv	99
53) Toluene	9.95	91	2451728	11.064	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1403815	10.616	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1095714	9.301	ppbv	98
57) Chlorobenzene	12.30	112	1895924	9.041	ppbv	99
58) Ethyl Benzene	12.86	91	3389460	10.177	ppbv	99
59) m/p-Xylene	13.15	91	5658982m	19.290	ppbv	
60) o-Xylene	13.85	91	2852088	9.606	ppbv	100
61) Styrene	13.68	104	2139837	10.824	ppbv	99
62) Isopropylbenzene	14.82	105	3854228	9.508	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1961903	9.080	ppbv	100
64) n-propylbenzene	15.72	120	1009816	9.639	ppbv	99
65) tert-Butylbenzene	16.91	119	3561194	9.577	ppbv	100
66) Benzyl Chloride	17.15	91	2040959	12.065	ppbv	100
67) sec-Butylbenzene	17.46	105	4969937	9.579	ppbv	100
69) p-Isopropyltoluene	17.81	119	4154022	9.717	ppbv	100
70) n-Butylbenzene	18.71	91	4322132	9.535	ppbv	100
71) 2-Chlorotoluene	15.61	91	2955329	9.868	ppbv	100
72) 4-Ethyltoluene	16.00	105	3375804	9.674	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3232882	9.581	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	3398867	9.062	ppbv	94
75) 1,3-Dichlorobenzene	17.16	146	1983293	8.755	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1978212	9.202	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1875065	8.934	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1128568	6.785	ppbv	100
79) Naphthalene	22.41	128	2922995	8.536	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	978355	7.557	ppbv	100
81) 1,2,4-Trichlorobenzene	22.13	180	1620919	8.147	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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ClientSampleId :

VL0507ABS01

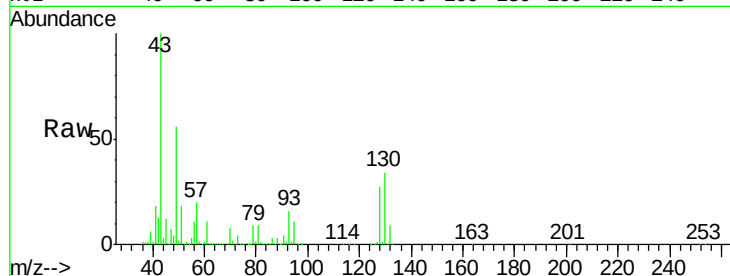
Tot Ion: 49 Resp: 977081

Ion Ratio Lower Upper

49 100

128 49.9 24.8 74.3

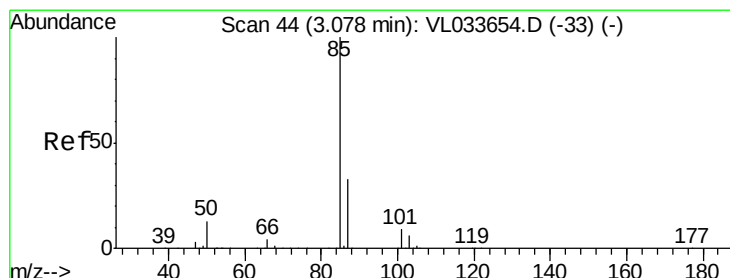
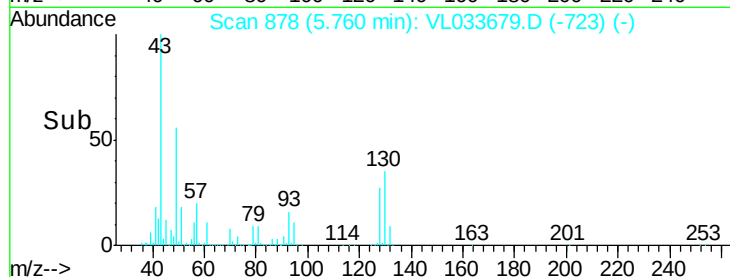
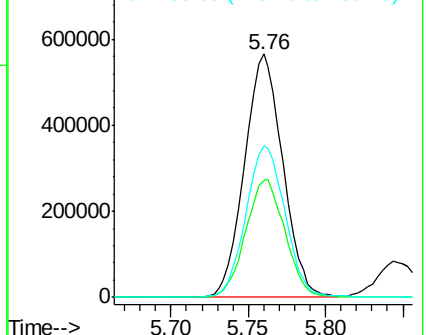
130 63.8 32.1 96.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.349 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.01 min

Lab File: VL033679.D

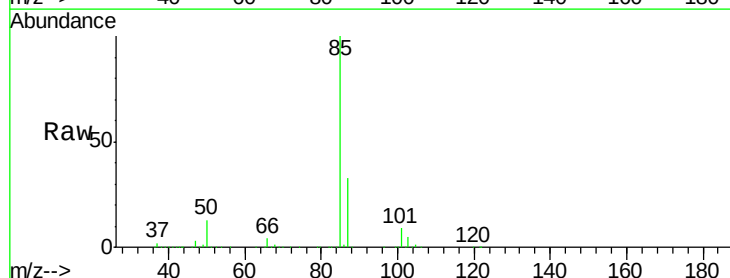
Acq: 7 May 2019 13:01

Tgt Ion: 85 Resp: 1913211

Ion Ratio Lower Upper

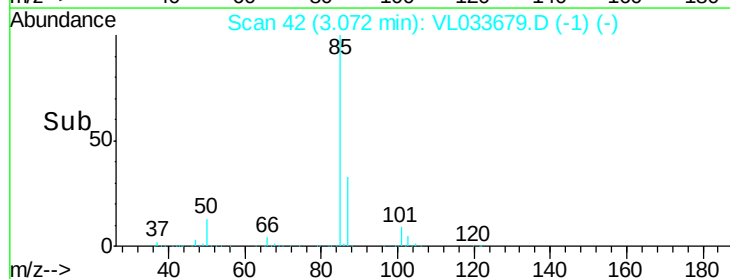
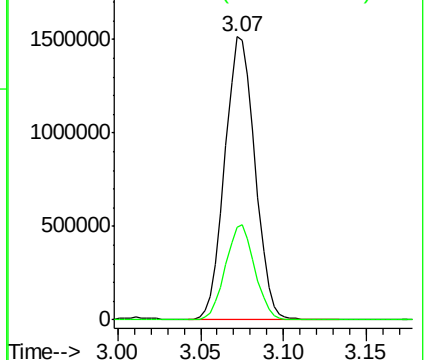
85 100

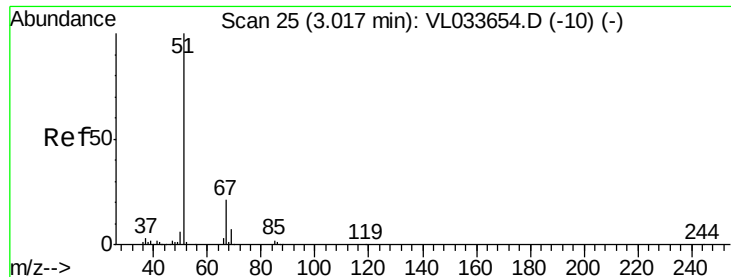
87 32.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.282 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

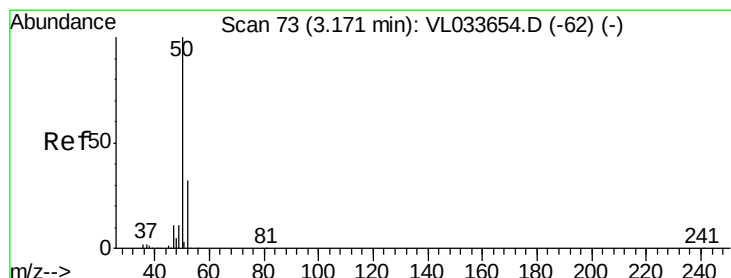
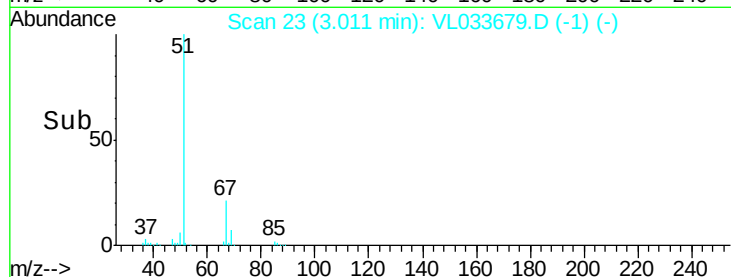
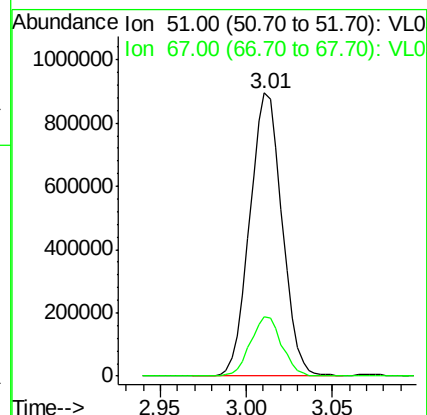
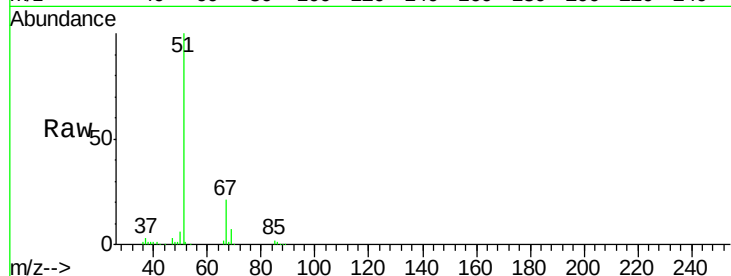
VL0507ABS01

Tot Ion: 51 Resp: 1168641

Ion Ratio Lower Upper

51 100

67 20.2 15.7 23.5



#4

Chloromethane

Concen: 8.407 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033679.D

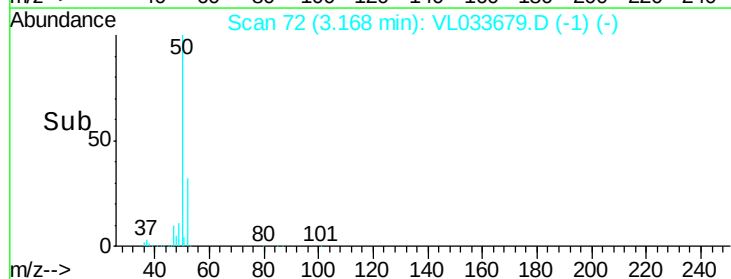
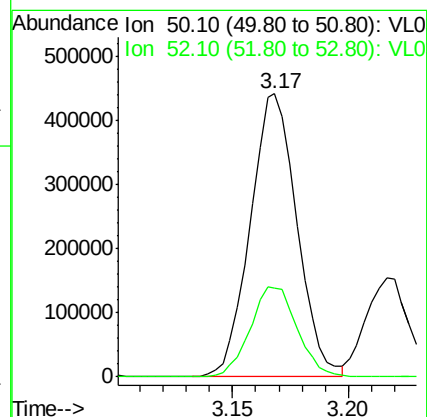
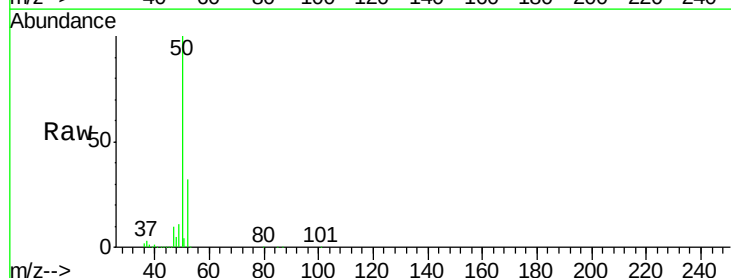
Acq: 7 May 2019 13:01

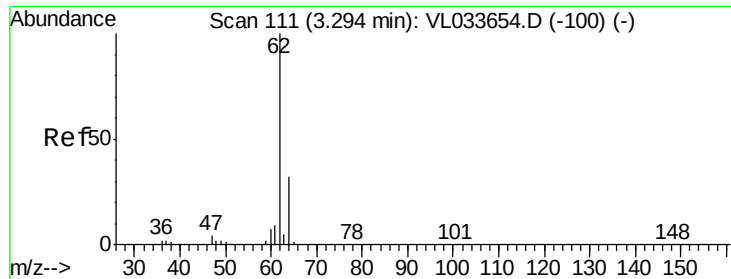
Tgt Ion: 50 Resp: 616745

Ion Ratio Lower Upper

50 100

52 31.6 25.8 38.8





#5

Vinyl Chloride

Concen: 8.650 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

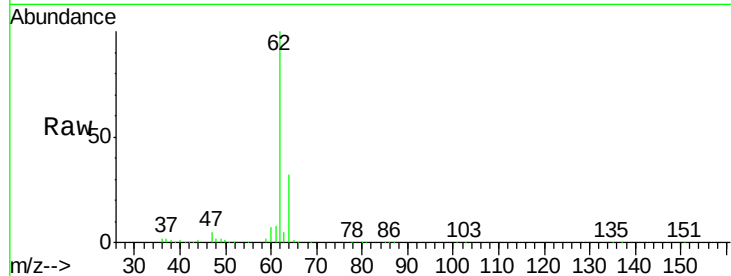
VL0507ABS01

Tot Ion: 62 Resp: 616926

Ion Ratio Lower Upper

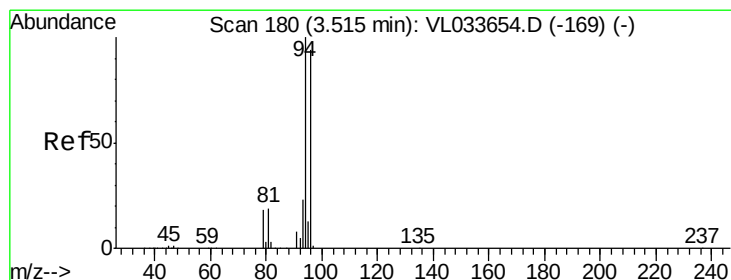
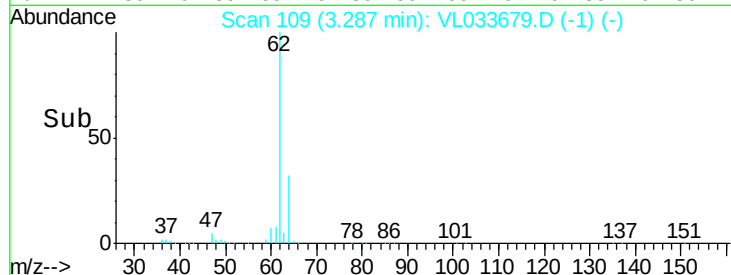
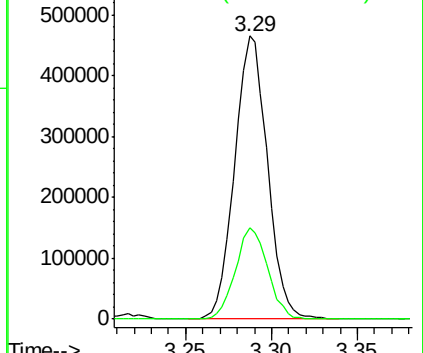
62 100

64 32.1 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.806 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.01 min

Lab File: VL033679.D

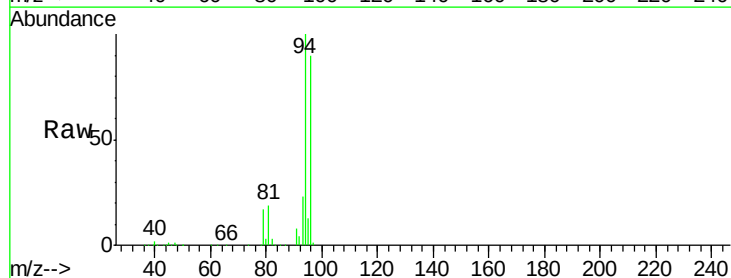
Acq: 7 May 2019 13:01

Tgt Ion: 94 Resp: 399014

Ion Ratio Lower Upper

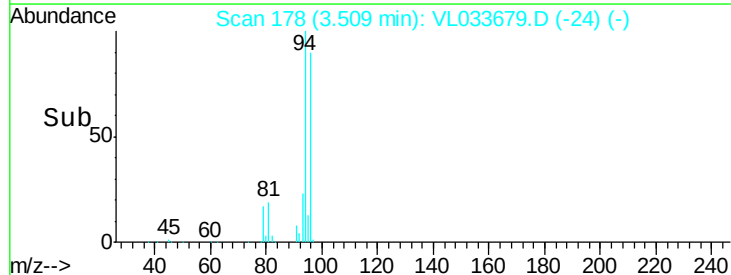
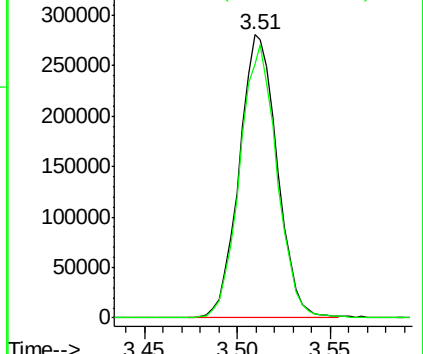
94 100

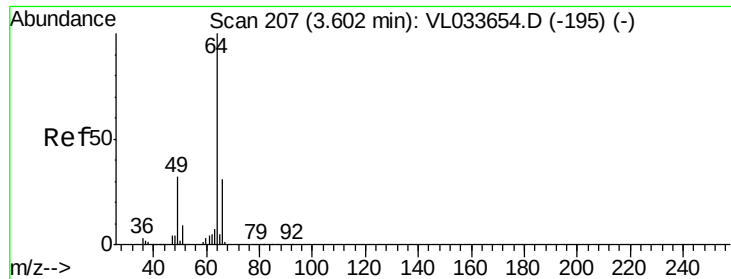
96 89.7 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.867 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

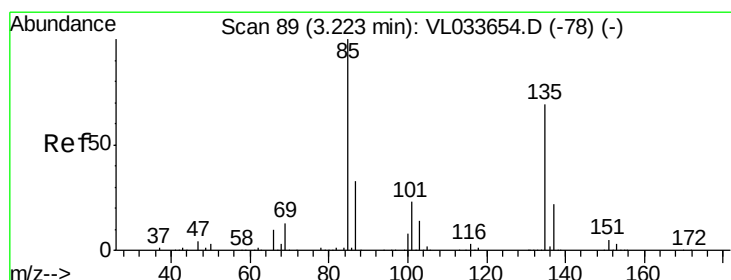
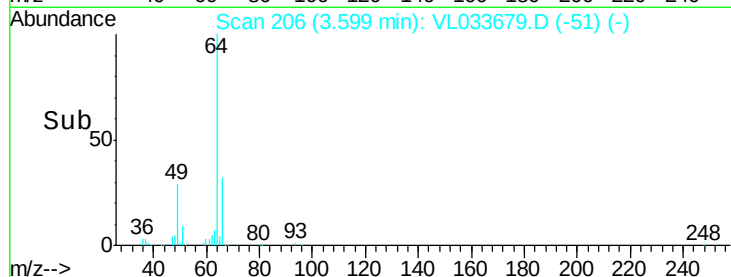
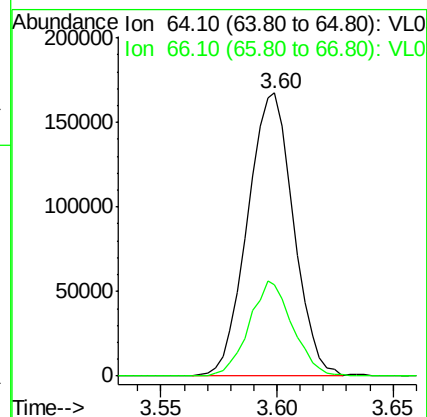
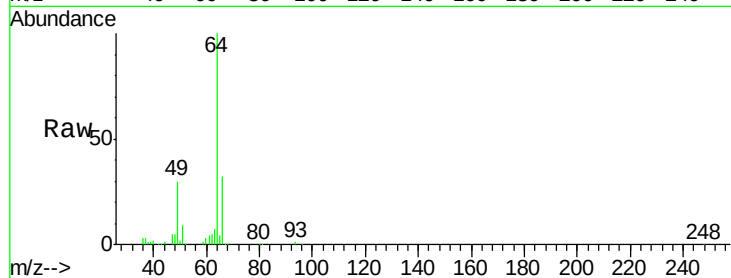
VL0507ABS01

Tot Ion: 64 Resp: 229587

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



#8

Dichlorotetrafluoroethane

Concen: 8.504 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033679.D

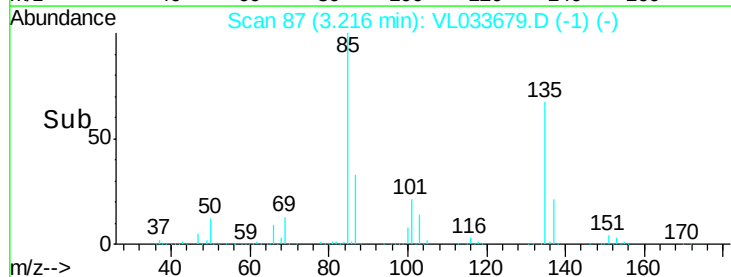
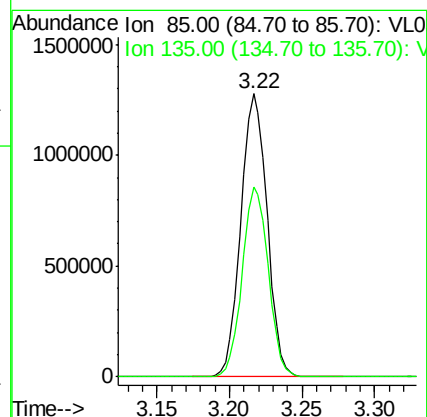
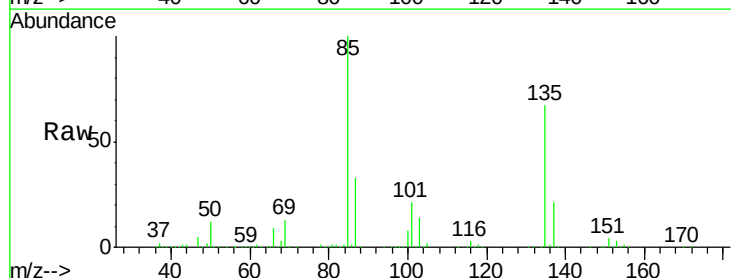
Acq: 7 May 2019 13:01

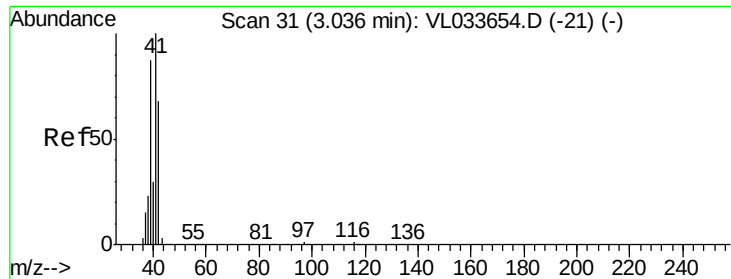
Tgt Ion: 85 Resp: 1604058

Ion Ratio Lower Upper

85 100

135 67.0 54.3 81.5





#9

Propene

Concen: 8.822 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

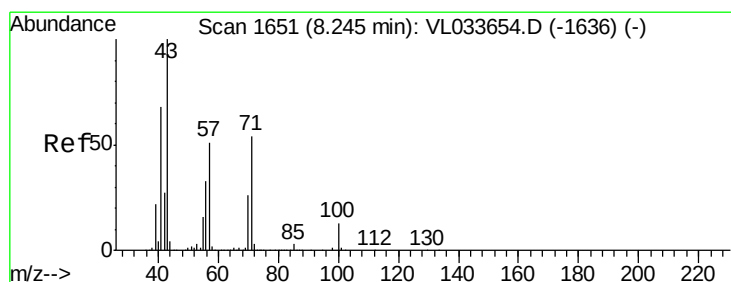
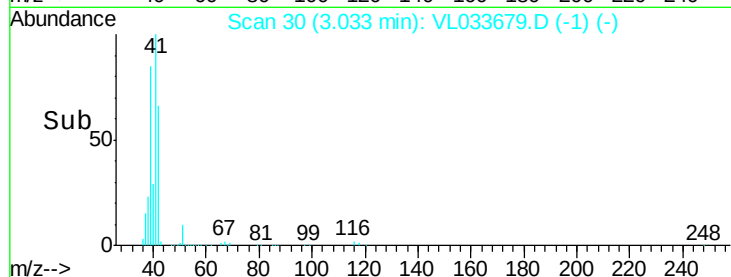
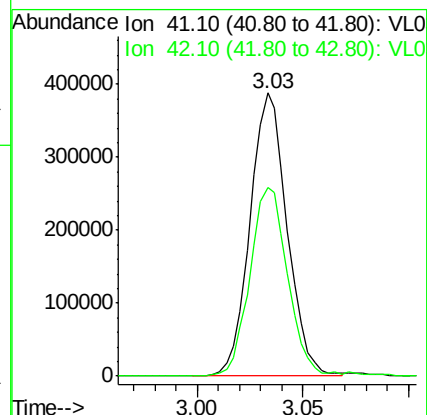
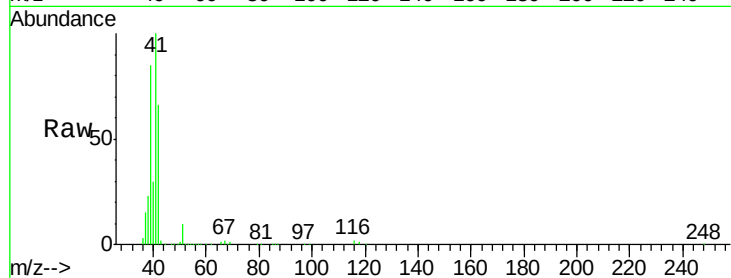
VL0507ABS01

Tot Ion: 41 Resp: 474592

Ion Ratio Lower Upper

41 100

42 68.8 55.6 83.4



#10

Heptane

Concen: 9.900 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033679.D

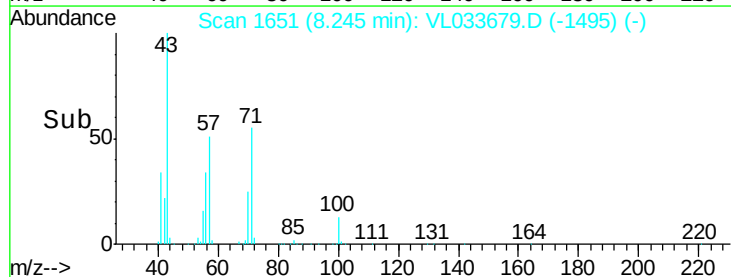
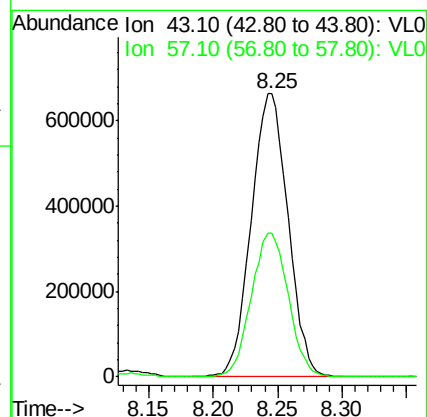
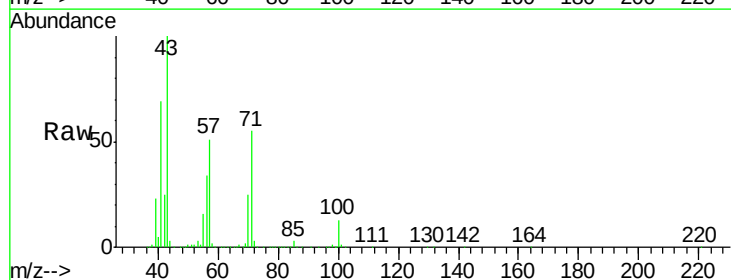
Acq: 7 May 2019 13:01

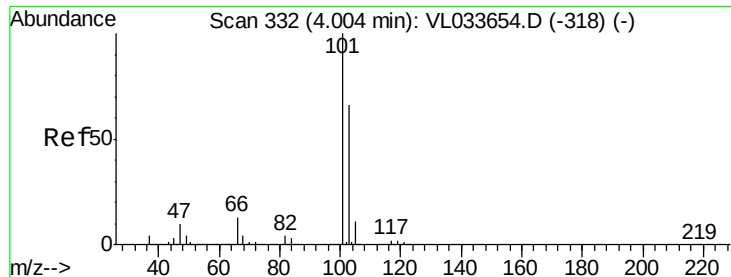
Tgt Ion: 43 Resp: 1314358

Ion Ratio Lower Upper

43 100

57 51.2 41.8 62.6

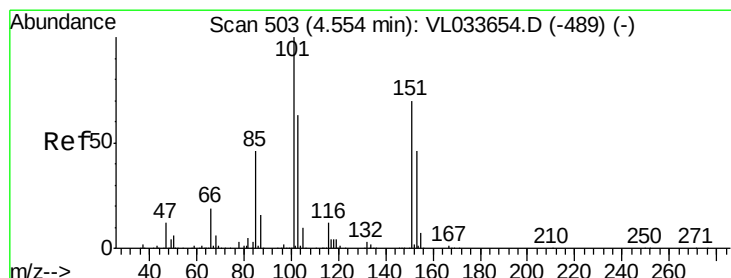
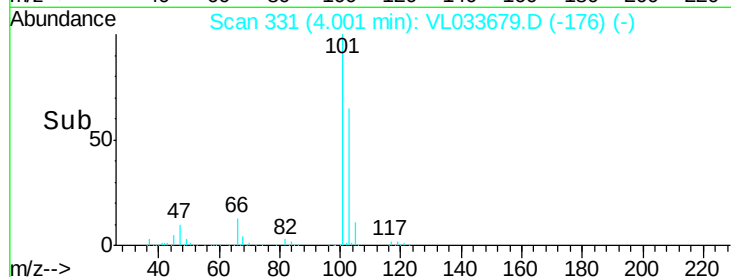
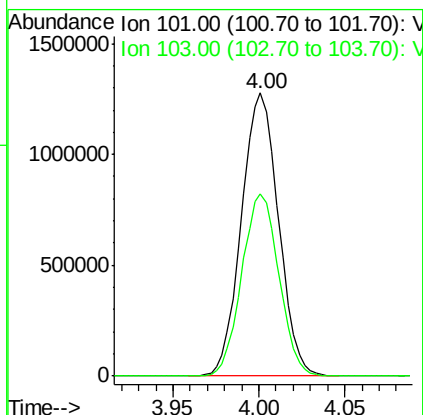
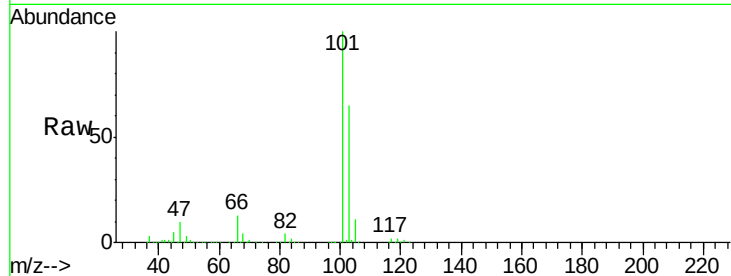




#11
 Trichlorofluoromethane
 Concen: 8.915 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

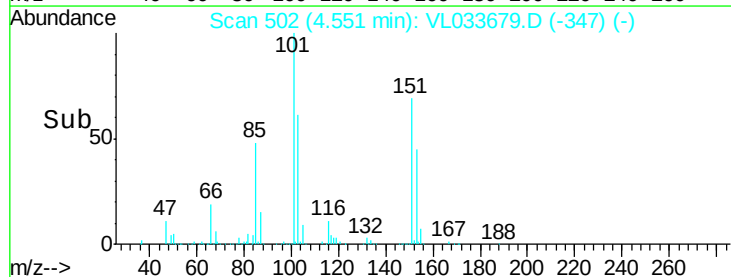
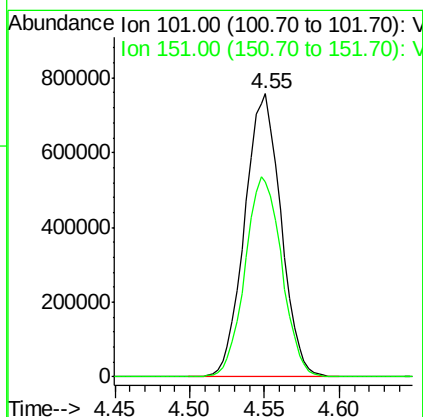
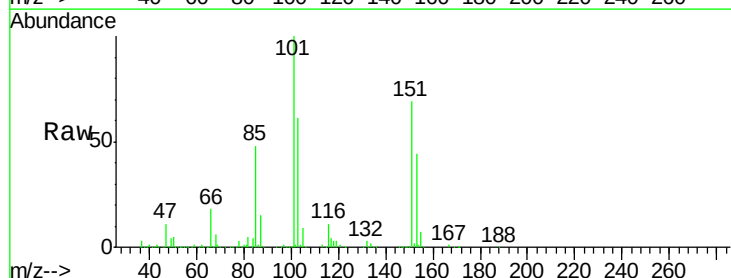
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

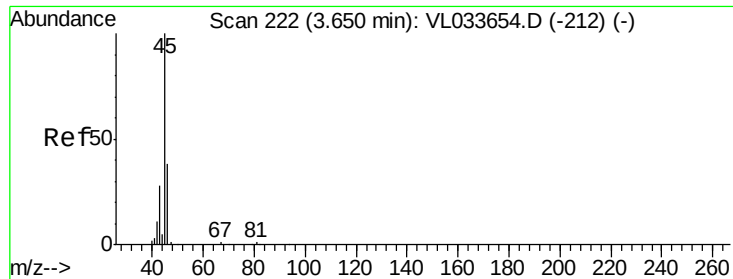
Tot Ion:101 Resp: 1907661
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.902 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion:101 Resp: 1280668
 Ion Ratio Lower Upper
 101 100
 151 71.5 58.0 87.0

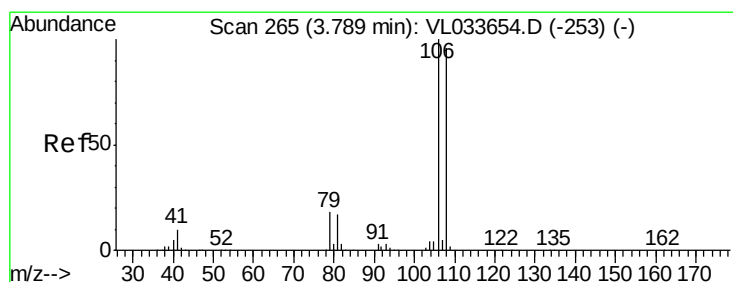
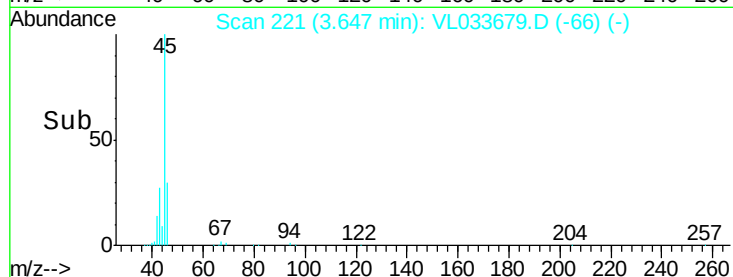
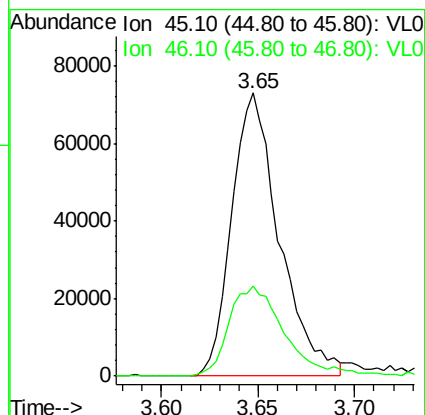
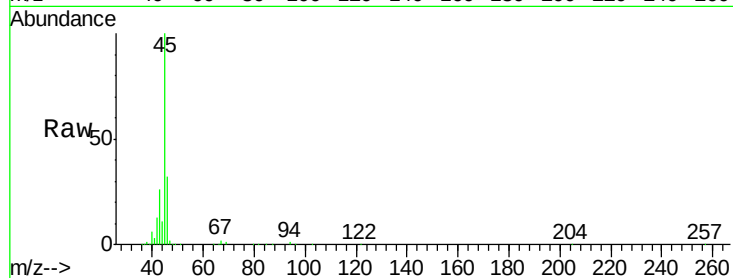




#13
Ethanol
Concen: 7.675 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

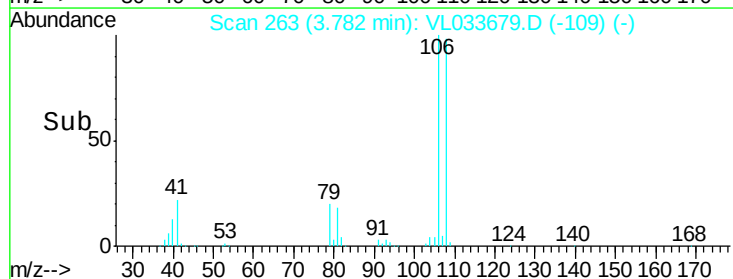
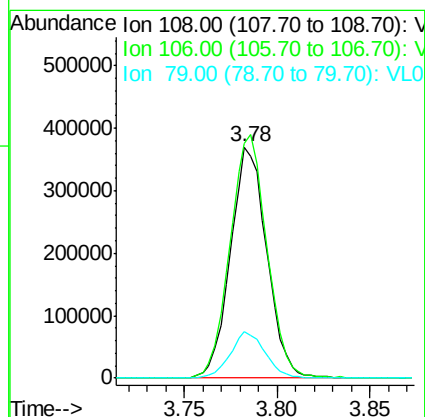
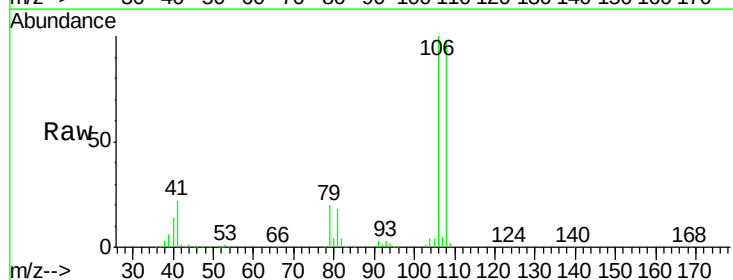
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

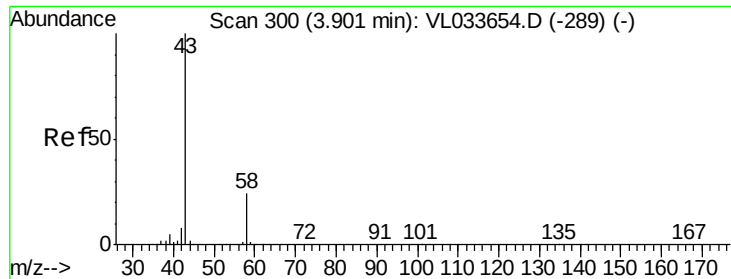
Tot Ion: 45 Resp: 123927
Ion Ratio Lower Upper
45 100
46 37.5 14.9 59.7



#14
Bromoethene
Concen: 8.876 ppbv
RT: 3.78 min Scan# 263
Delta R.T. -0.01 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 108 Resp: 503339
Ion Ratio Lower Upper
108 100
106 106.7 85.7 128.5
79 19.6 15.2 22.8





#15

Acetone

Concen: 8.385 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

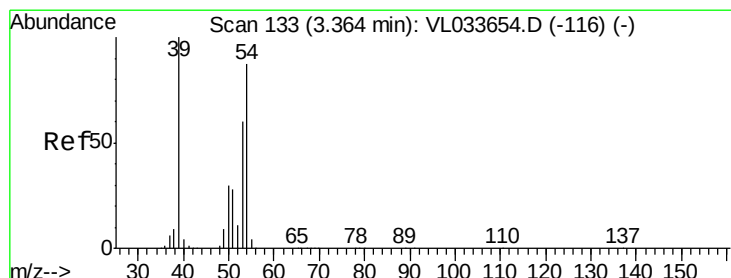
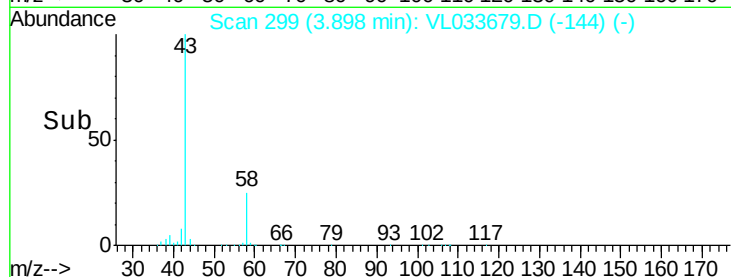
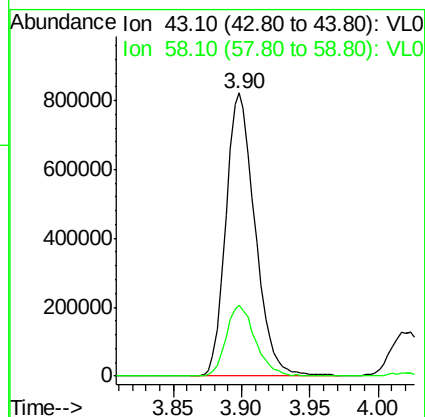
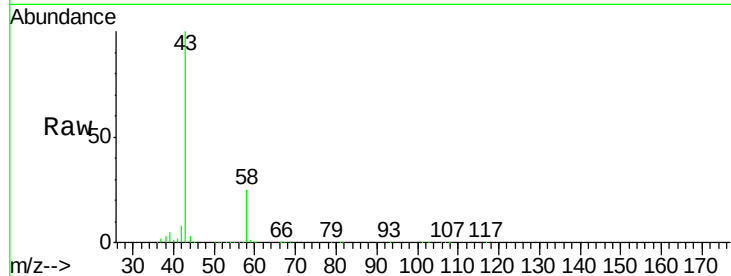
VL0507ABS01

Tot Ion: 43 Resp: 1218891

Ion Ratio Lower Upper

43 100

58 25.2 20.9 31.3



#16

1,3-Butadiene

Concen: 8.956 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033679.D

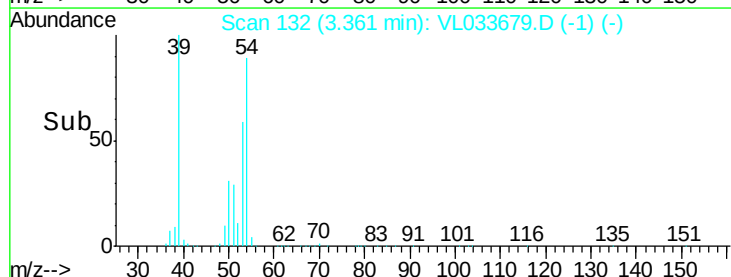
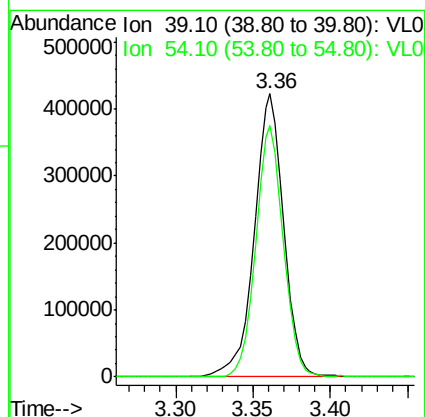
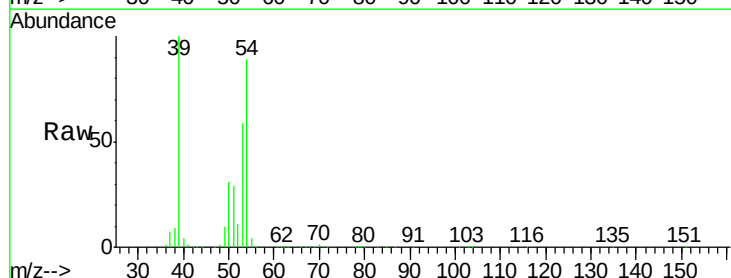
Acq: 7 May 2019 13:01

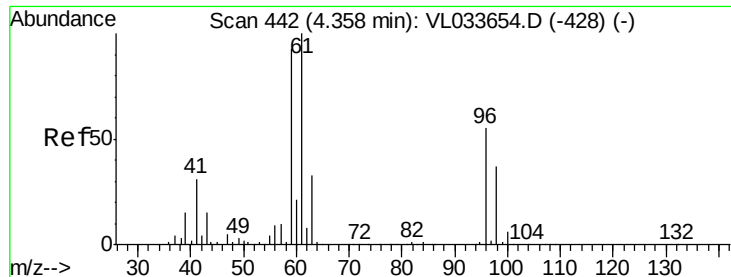
Tgt Ion: 39 Resp: 558340

Ion Ratio Lower Upper

39 100

54 83.9 67.0 100.4



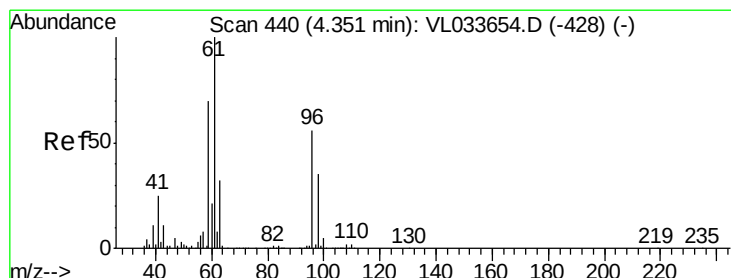
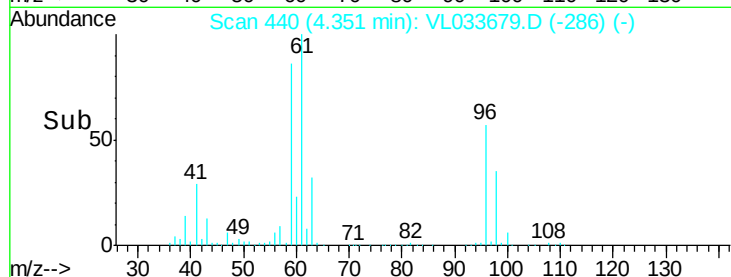
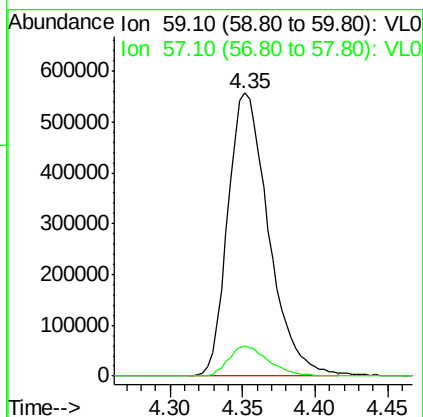
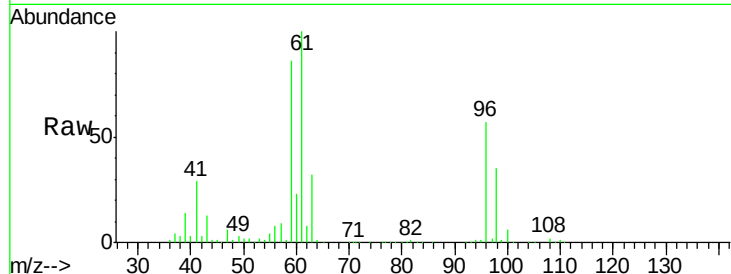


#17

tert-Butyl alcohol
Concen: 9.851 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

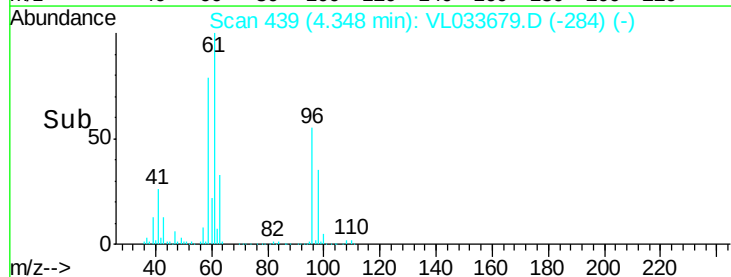
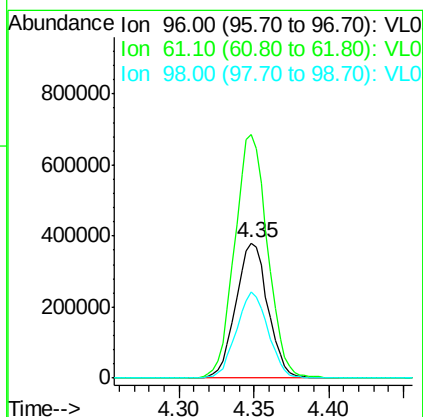
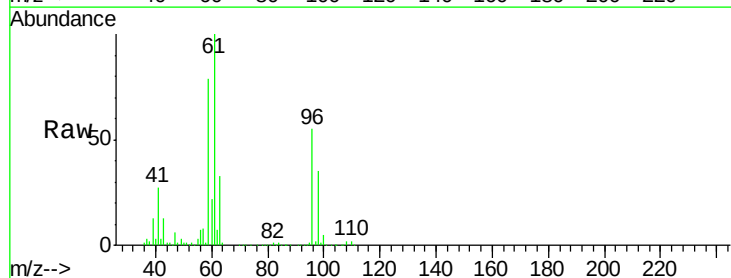
Tot Ion: 59 Resp: 1087594
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

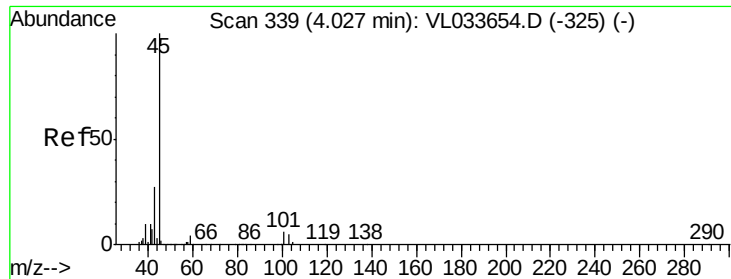


#18

1,1-Dichloroethene
Concen: 9.125 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 96 Resp: 566728
Ion Ratio Lower Upper
96 100
61 180.4 143.4 215.0
98 63.6 50.4 75.6





#19

Isopropyl Alcohol

Concen: 9.332 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

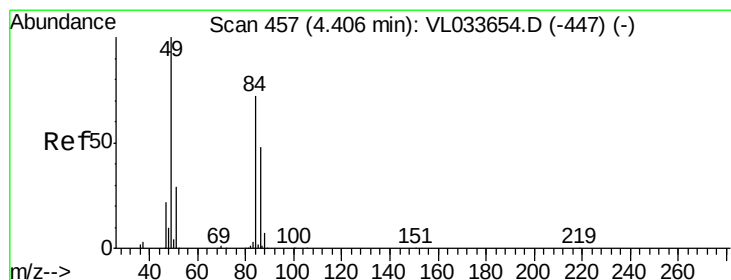
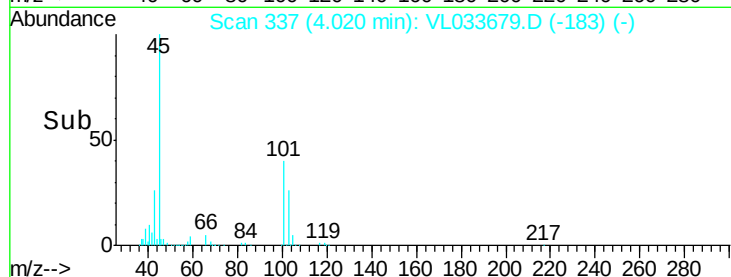
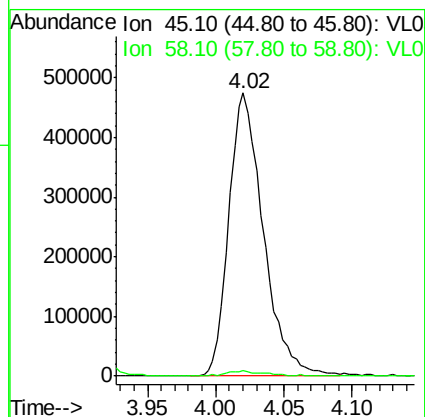
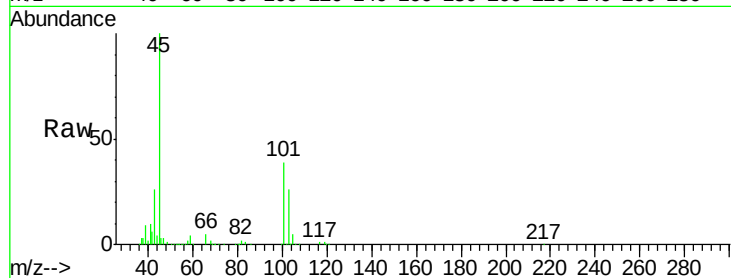
VL0507ABS01

Tot Ion: 45 Resp: 833388

Ion Ratio Lower Upper

45 100

58 2.5 2.0 3.0



#20

Methylene Chloride

Concen: 8.635 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Tgt Ion: 84 Resp: 476594

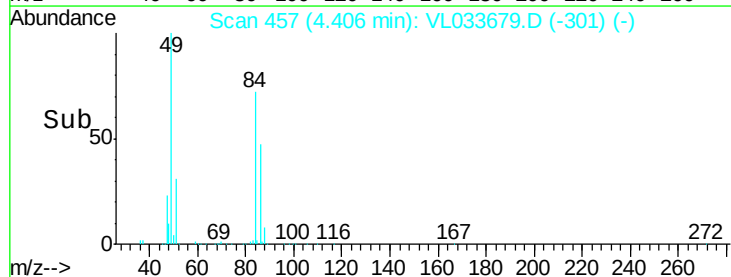
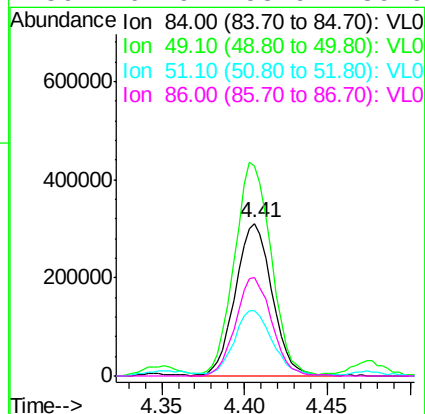
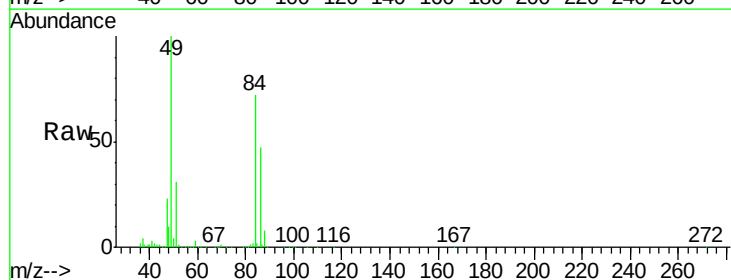
Ion Ratio Lower Upper

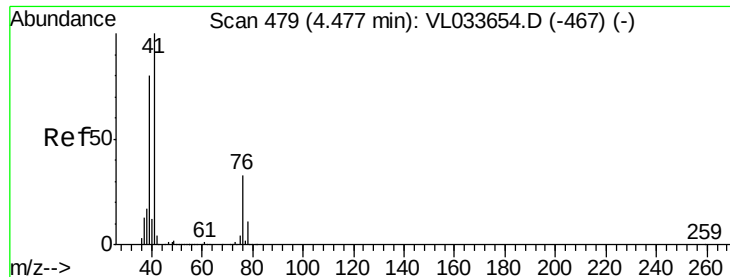
84 100

49 137.1 111.8 167.6

51 41.7 32.3 48.5

86 64.9 53.9 80.9

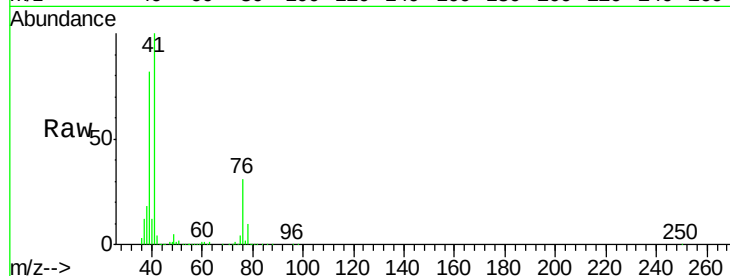




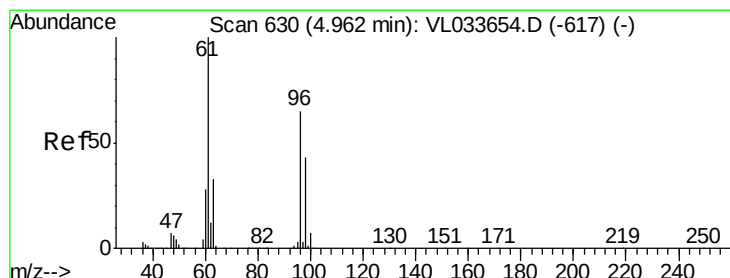
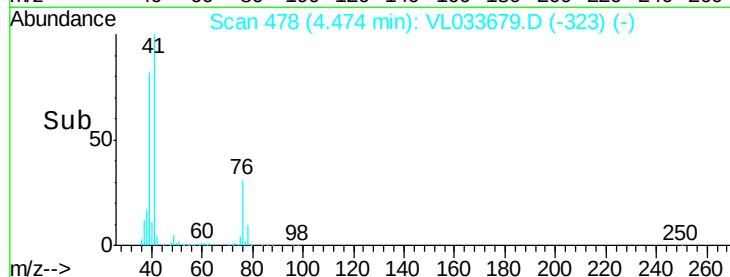
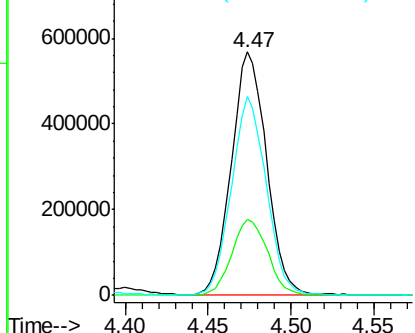
#21
 Allvl Chloride
 Concen: 9.481 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 41 Resp: 834223
 Ion Ratio Lower Upper
 41 100
 76 31.9 26.0 39.0
 39 81.4 64.4 96.6

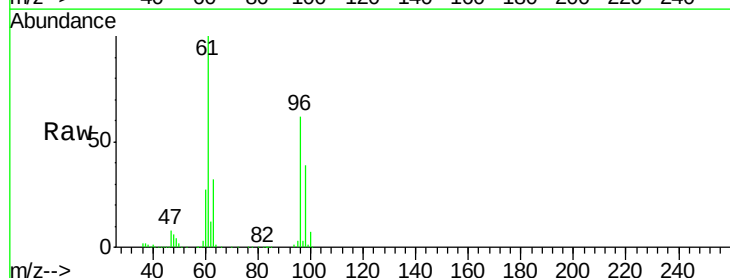


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

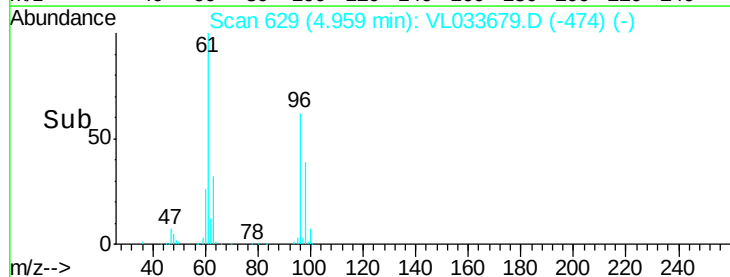
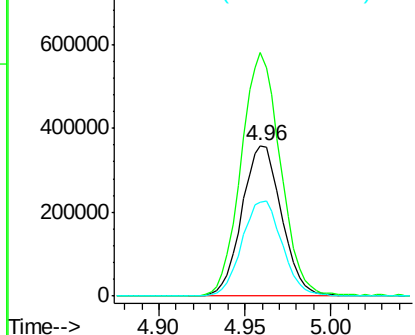


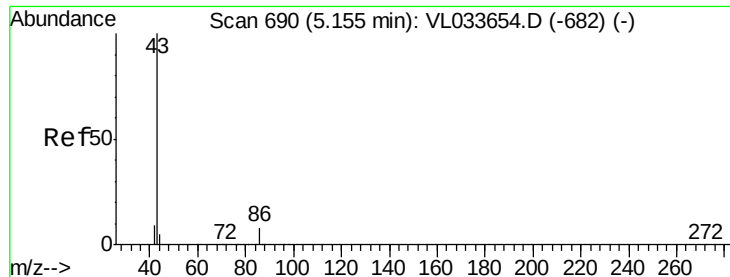
#22
 trans-1,2-Dichloroethene
 Concen: 9.177 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion: 96 Resp: 572218
 Ion Ratio Lower Upper
 96 100
 61 161.7 123.1 184.7
 98 62.3 52.6 79.0



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





#23

Vinyl Acetate

Concen: 9.880 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 1866109

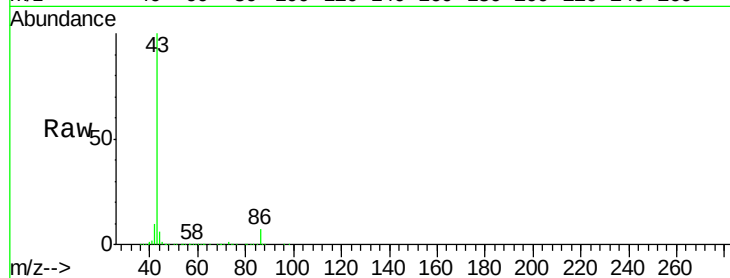
Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.0	9.0
42	9.8	8.0	12.0
44	5.4	3.9	5.9

43 100

86 7.1 6.0 9.0

42 9.8 8.0 12.0

44 5.4 3.9 5.9

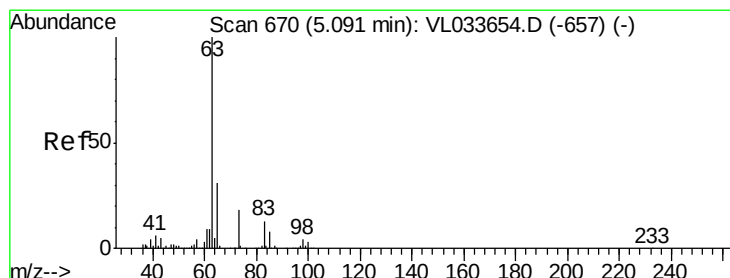
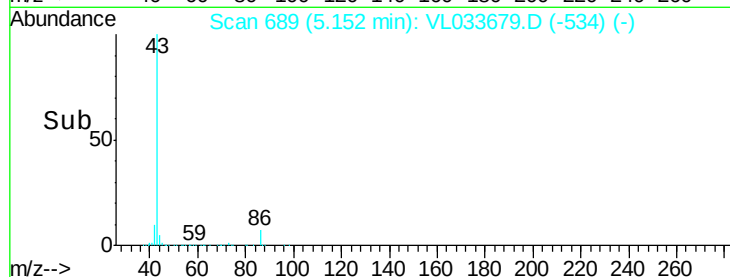
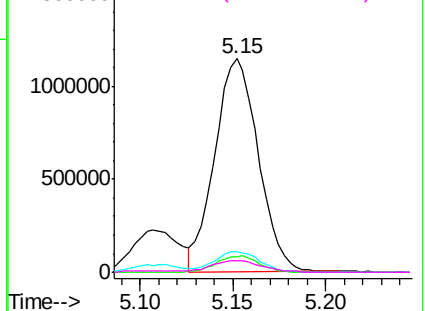


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.933 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

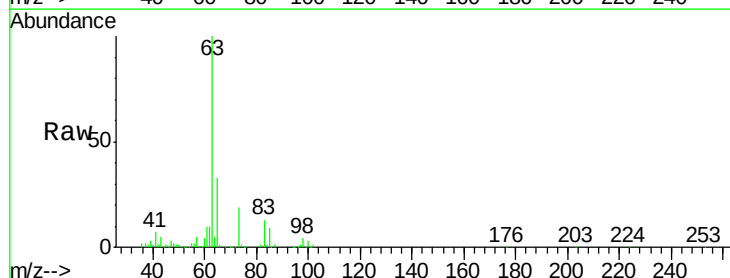
Tgt Ion: 63 Resp: 1276397

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	3.1	1.5	4.4

63 100

98 4.1 2.1 6.2

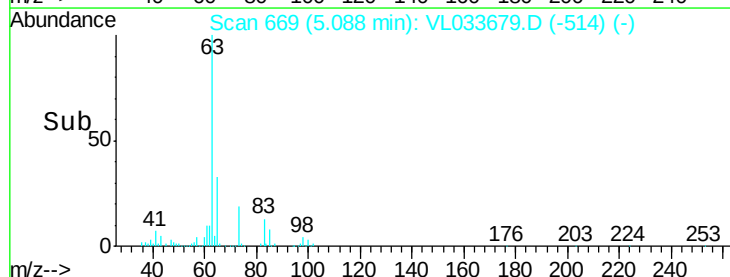
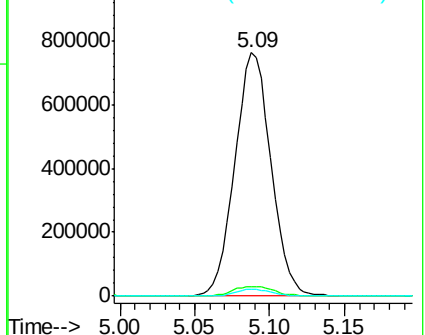
100 3.1 1.5 4.4

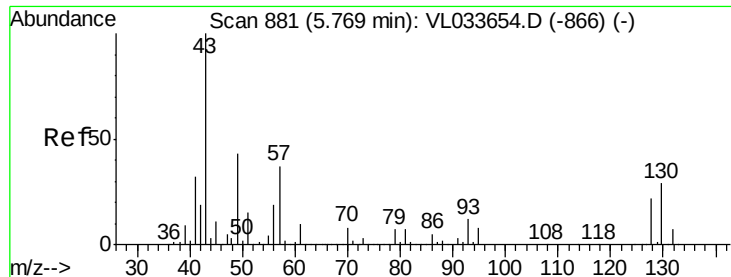


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



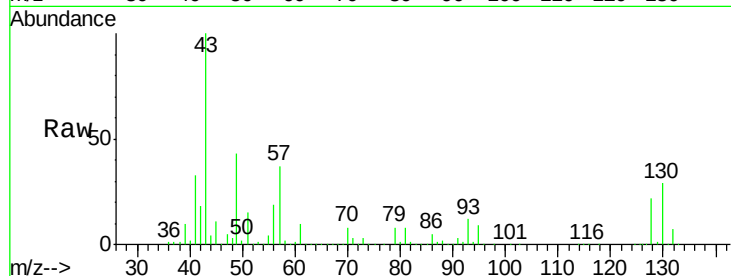


#25
Ethyl Acetate
Concen: 9.367 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

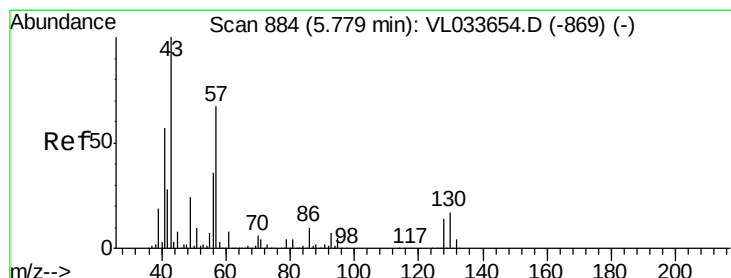
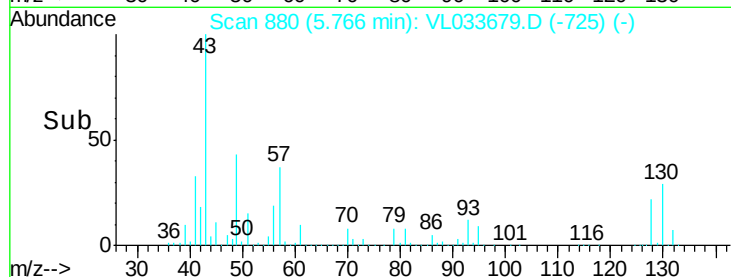
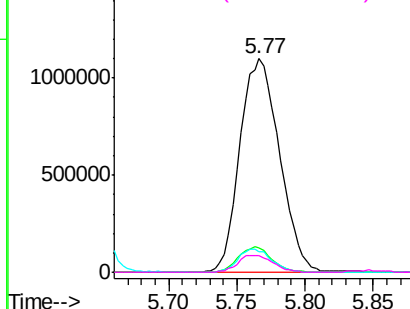
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 43 Resp: 2215193

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.5	7.5	11.3
70	7.1	5.8	8.8



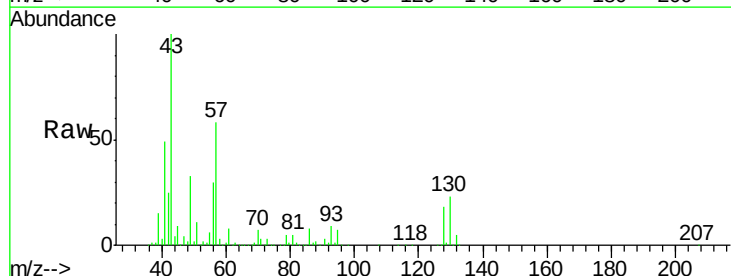
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



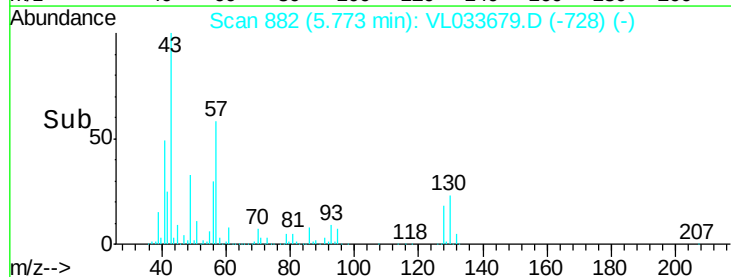
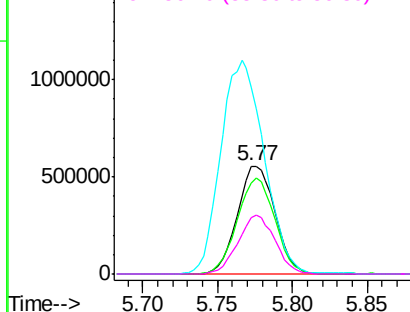
#26
Hexane
Concen: 9.570 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

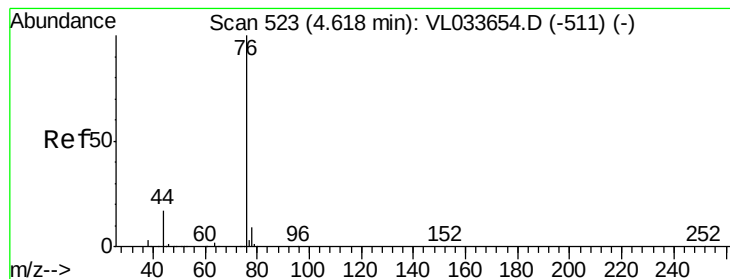
Tgt Ion: 57 Resp: 972873

Ion	Ratio	Lower	Upper
57	100		
41	89.4	69.7	104.5
43	229.2	181.9	272.9
56	53.5	42.5	63.7



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.171 ppbv

RT: 4.62 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

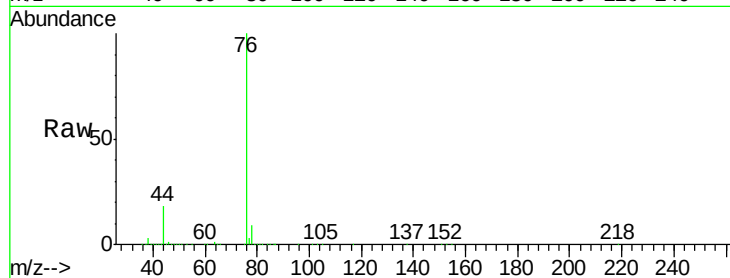
Tot Ion: 76 Resp: 1414286

Ion Ratio Lower Upper

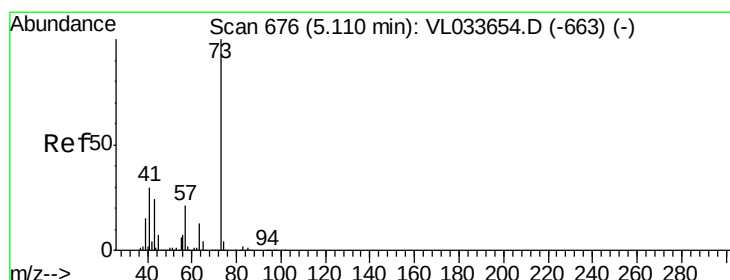
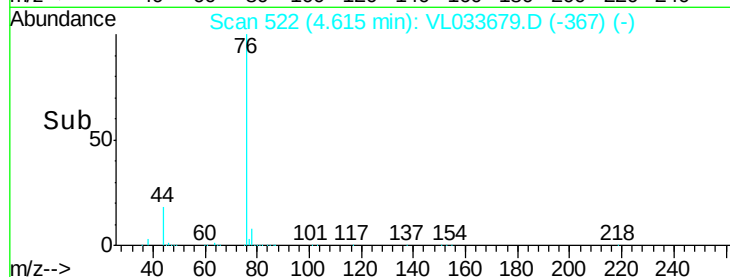
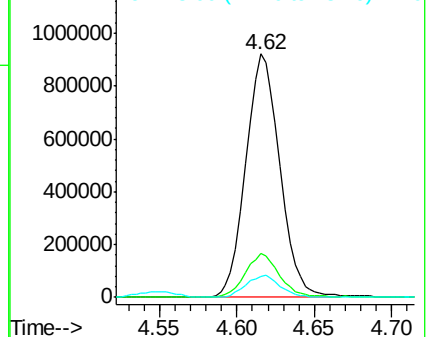
76 100

44 17.9 14.4 21.6

78 9.3 7.4 11.2



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: 9.584 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033679.D

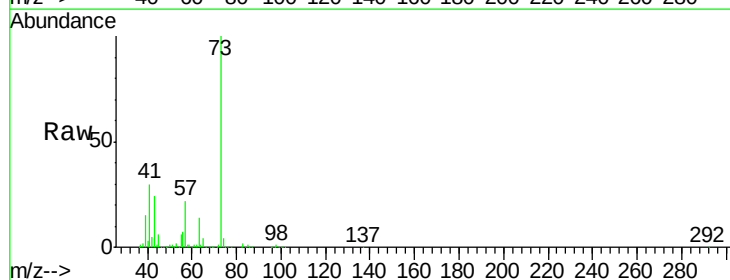
Acq: 7 May 2019 13:01

Tgt Ion: 73 Resp: 1640851

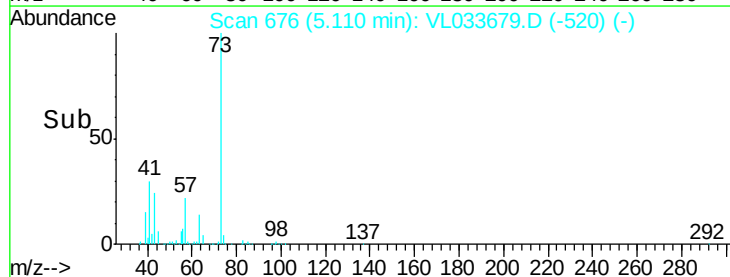
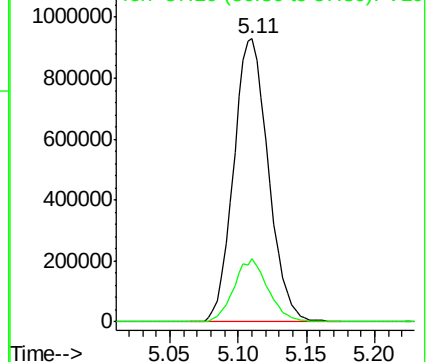
Ion Ratio Lower Upper

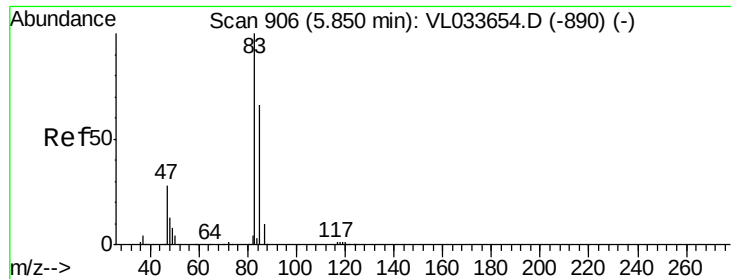
73 100

57 21.9 17.4 26.0



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

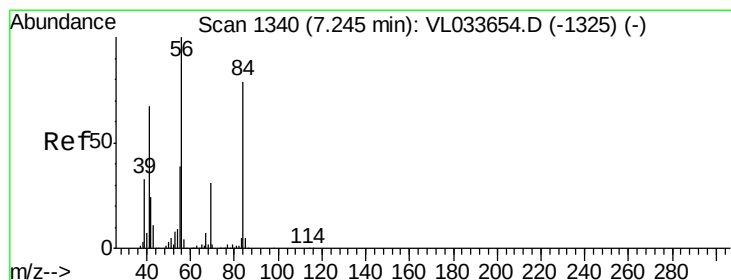
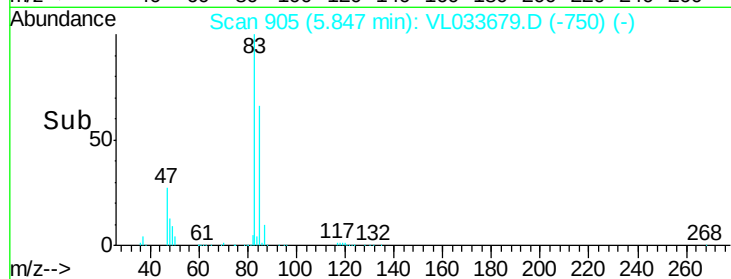
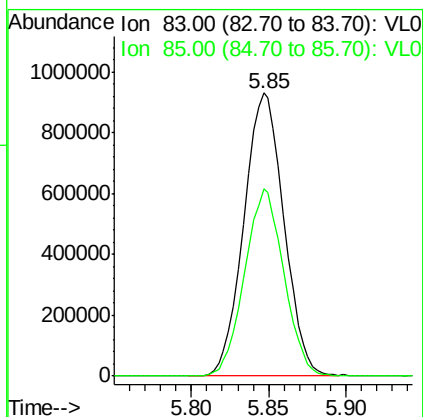
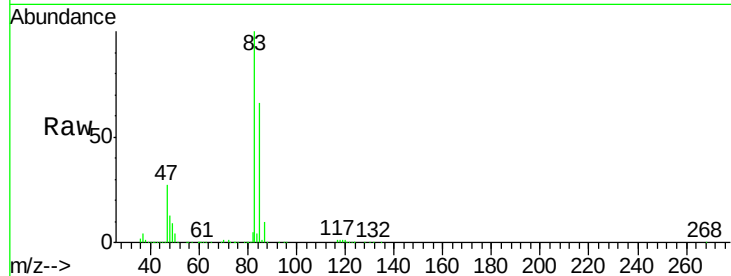




#29
Chloroform
Concen: 9.178 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

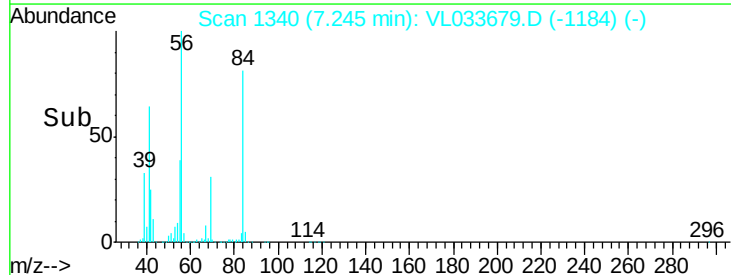
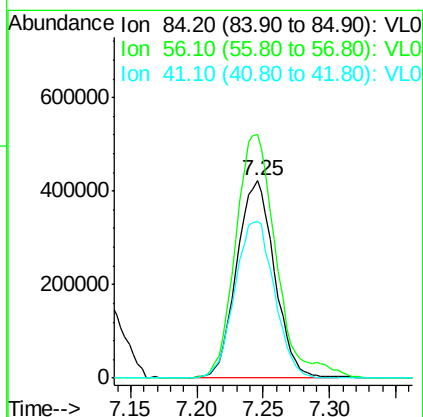
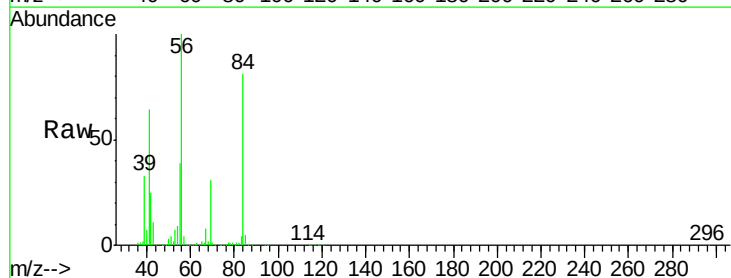
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

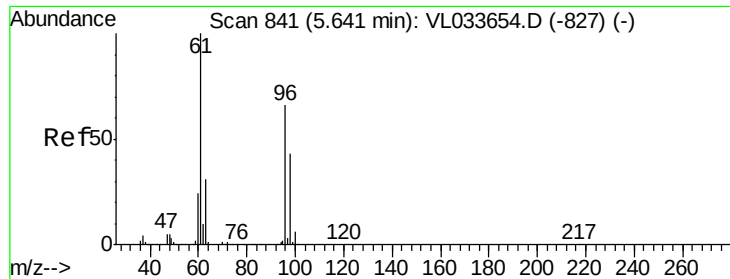
Tot Ion: 83 Resp: 1677571
Ion Ratio Lower Upper
83 100
85 66.2 52.6 78.8



#30
Cyclohexane
Concen: 9.818 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 84 Resp: 838187
Ion Ratio Lower Upper
84 100
56 132.9 107.0 160.4
41 83.0 66.6 99.8



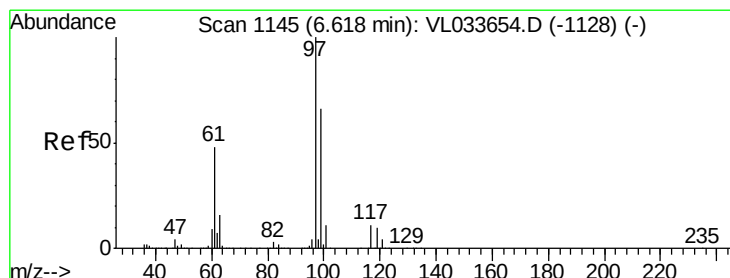
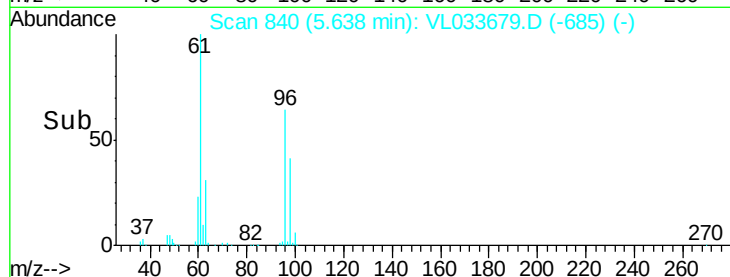
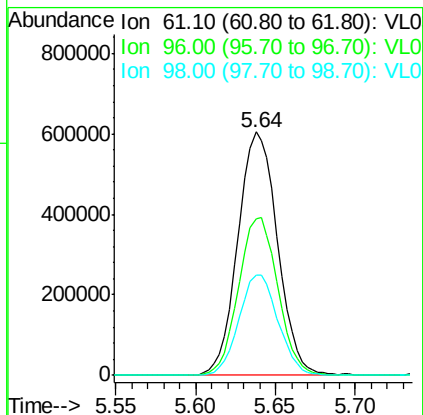
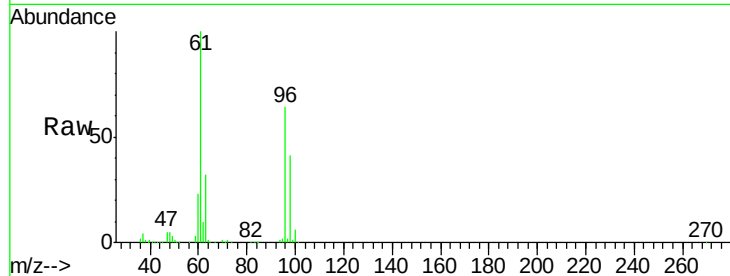


#31

cis-1,2-Dichloroethene
 Concen: 10.057 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

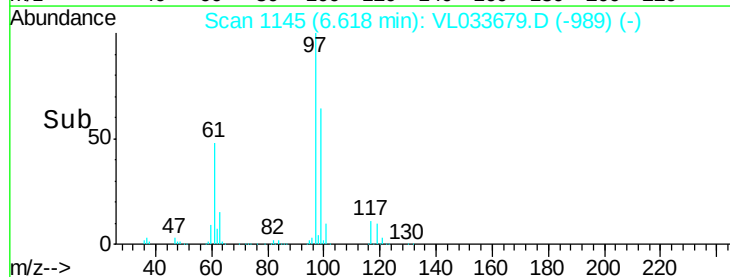
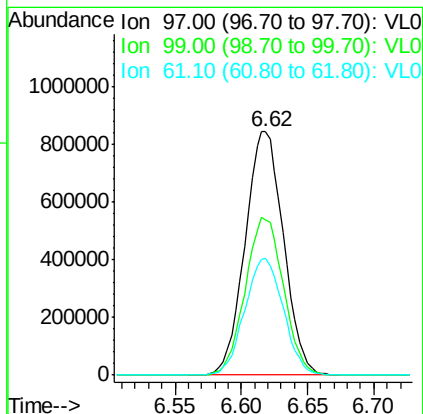
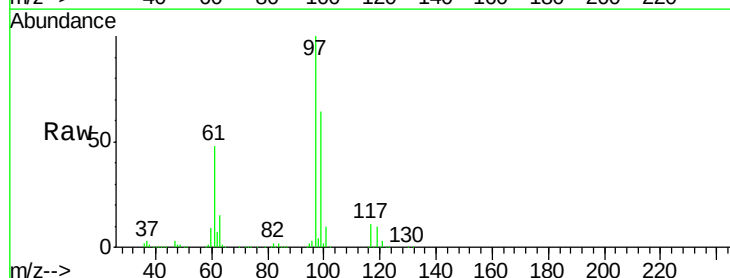
Tot Ion: 61 Resp: 1017104
 Ion Ratio Lower Upper
 61 100
 96 64.1 53.2 79.8
 98 41.2 34.2 51.4

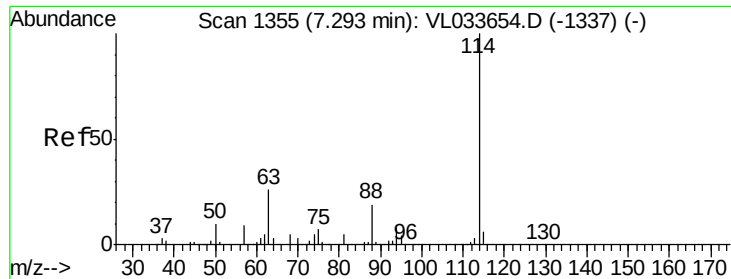


#32

1,1,1-Trichloroethane
 Concen: 9.006 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion: 97 Resp: 1699875
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.2
 61 48.2 38.5 57.7



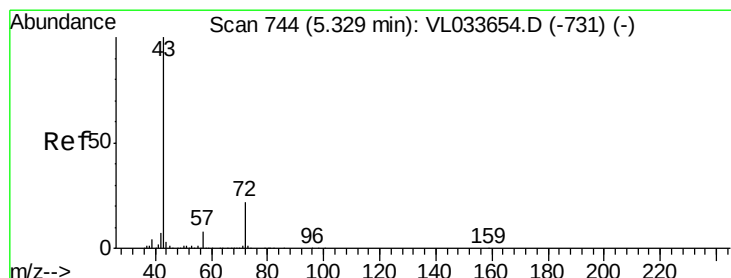
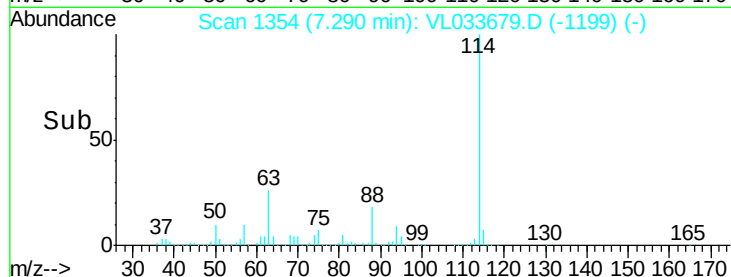
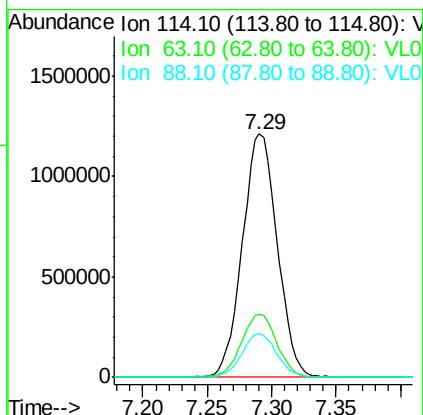
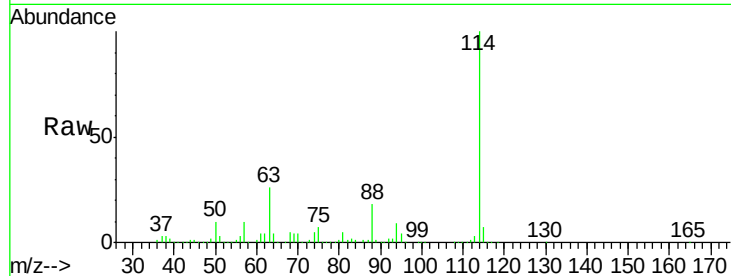


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:114 Resp: 2287307

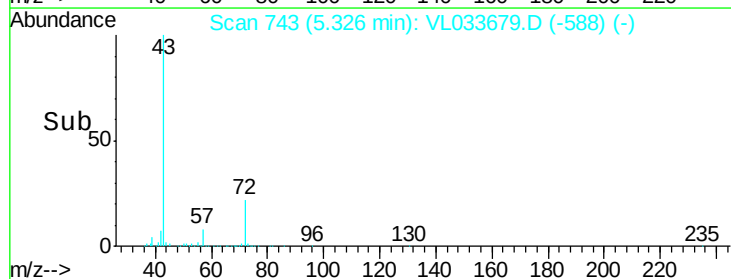
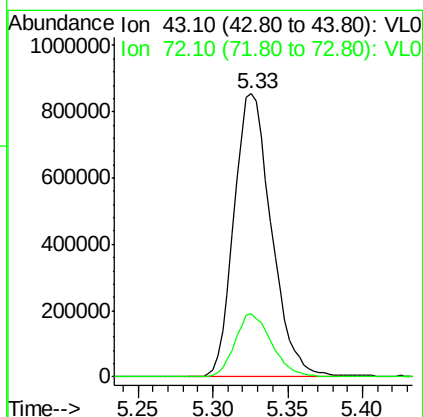
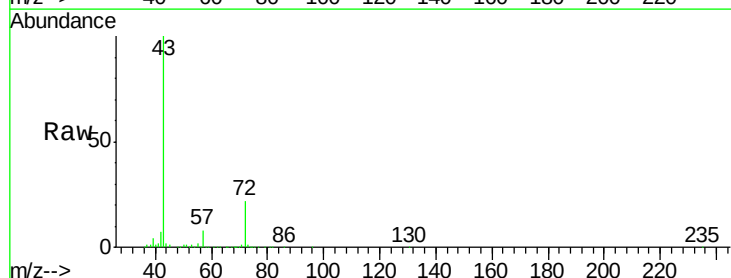
Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.3	31.9
88	17.9	14.4	21.6

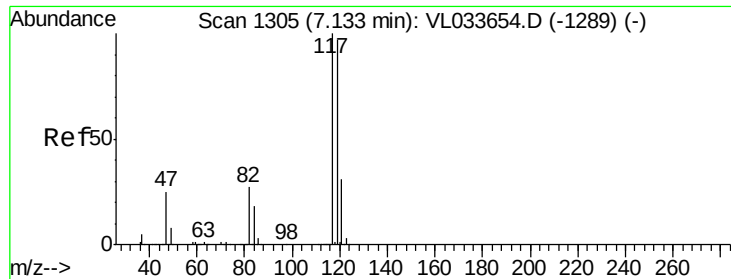


#34
 2-Butanone
 Concen: 10.154 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion: 43 Resp: 1487314

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.5	26.3

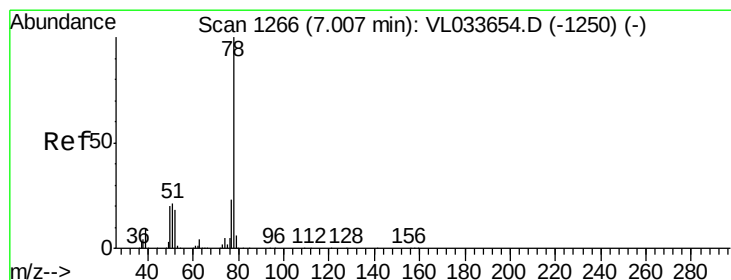
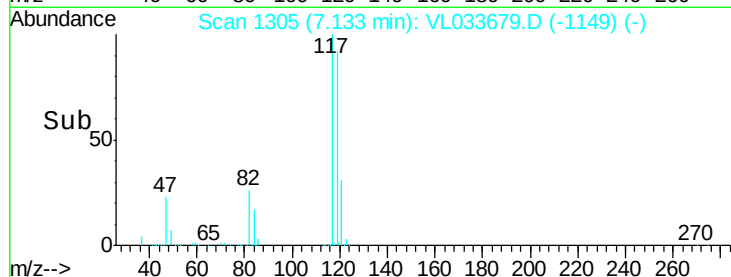
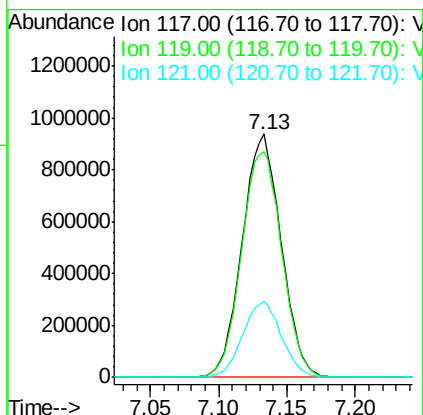
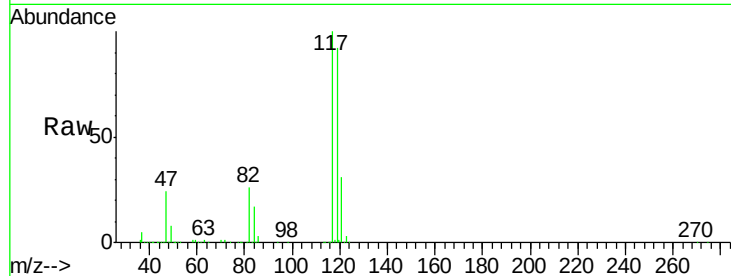




#35
Carbon Tetrachloride
Concen: 9.871 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

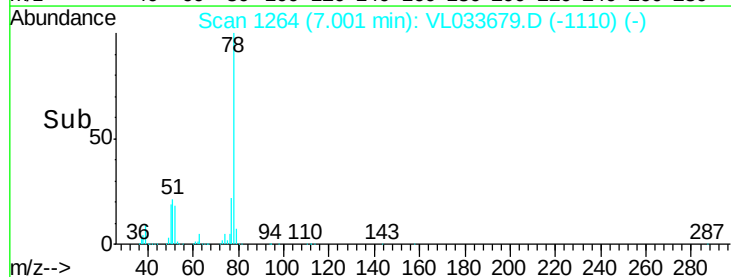
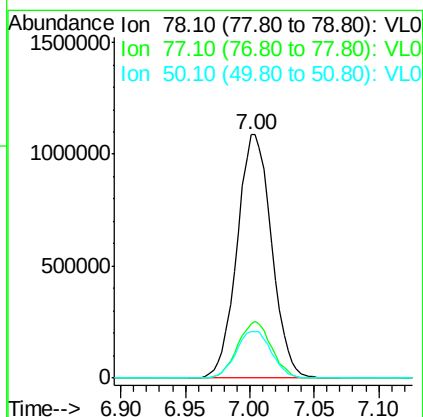
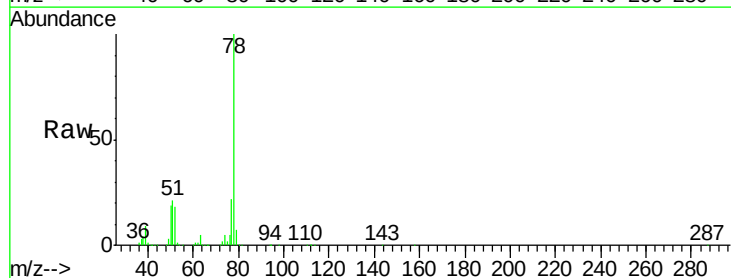
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

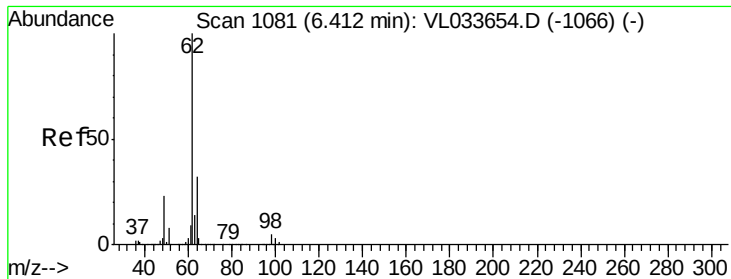
Tot Ion:117 Resp: 1855528
Ion Ratio Lower Upper
117 100
119 92.4 77.9 116.9
121 31.3 25.0 37.6



#36
Benzene
Concen: 9.881 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 78 Resp: 2026687
Ion Ratio Lower Upper
78 100
77 22.0 18.2 27.2
50 19.3 15.8 23.6





#37

1,2-Dichloroethane

Concen: 8.868 ppbv

RT: 6.41 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

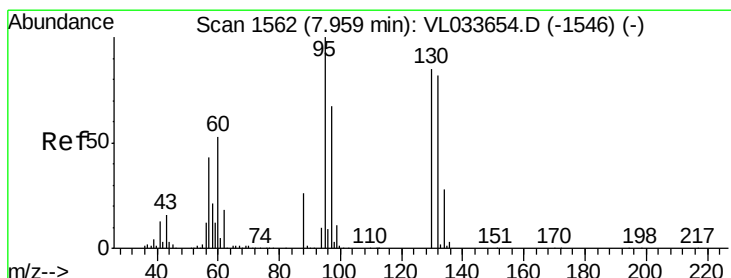
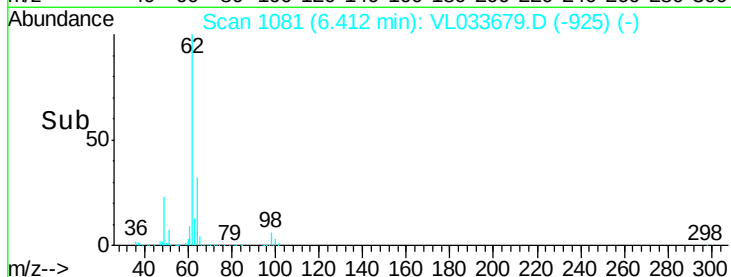
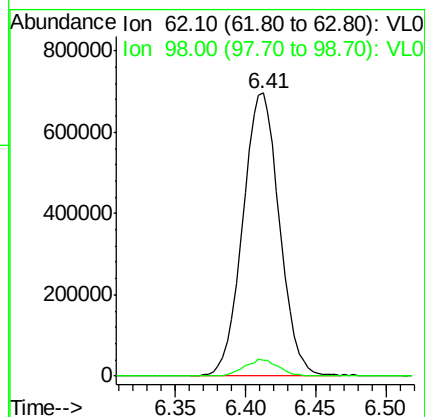
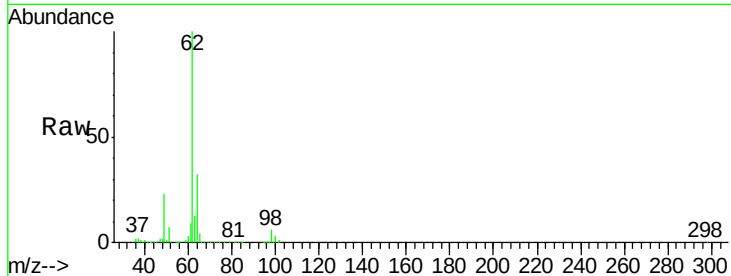
VL0507ABS01

Tot Ion: 62 Resp: 1269024

Ion Ratio Lower Upper

62 100

98 5.5 4.5 6.7



#38

Trichloroethene

Concen: 11.031 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Tgt Ion:130 Resp: 829935

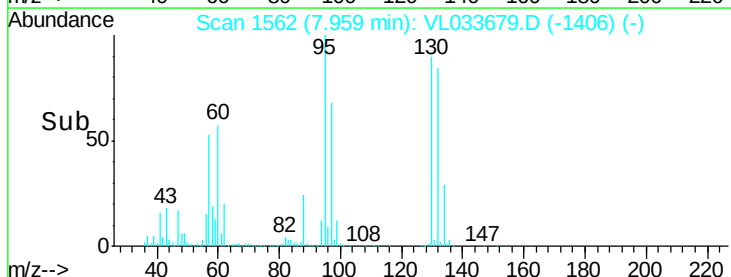
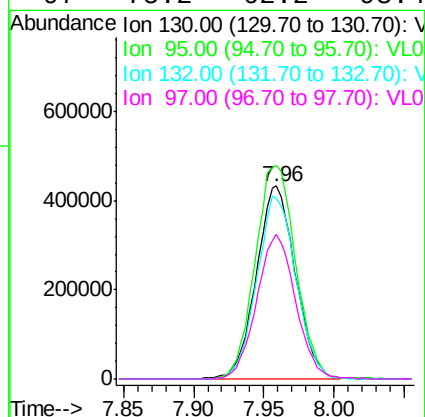
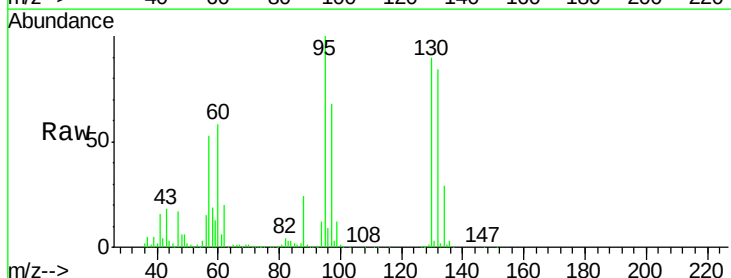
Ion Ratio Lower Upper

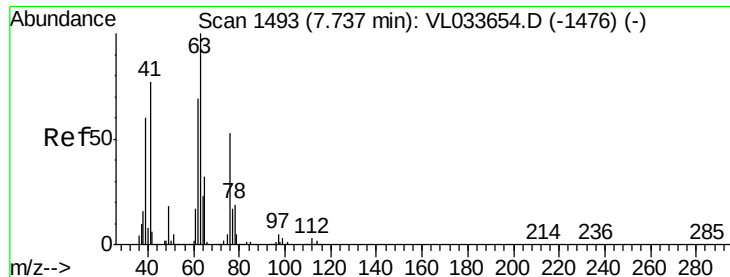
130 100

95 110.9 93.4 140.0

132 93.8 76.2 114.4

97 75.2 62.2 93.4





#39

1,2-Dichloropropane

Concen: 9.821 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

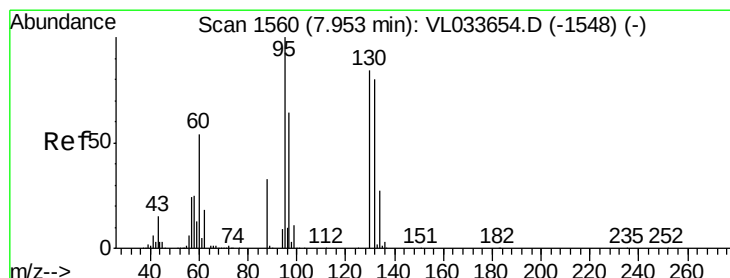
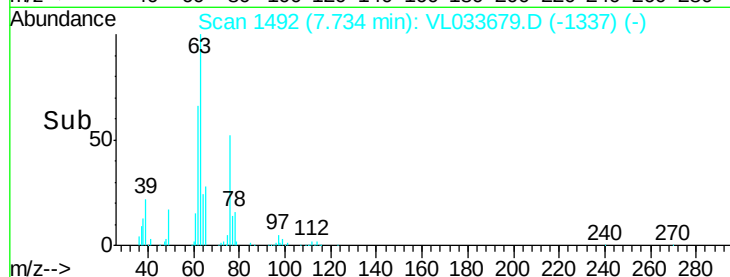
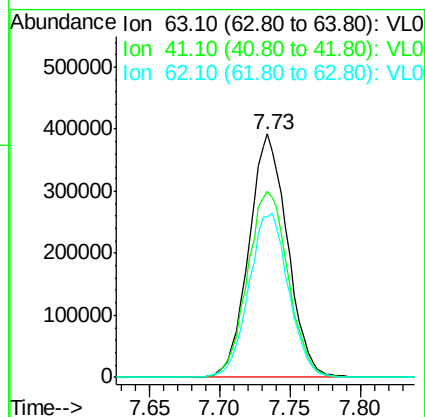
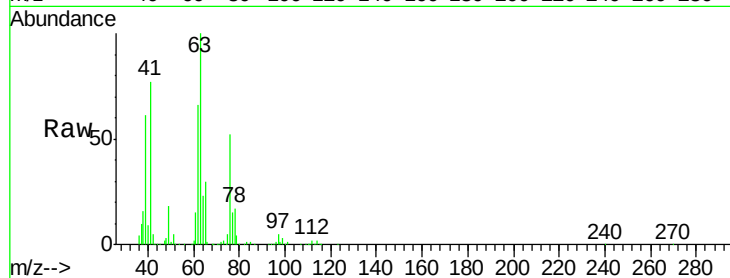
Tot Ion: 63 Resp: 750740

Ion Ratio Lower Upper

63 100

41 76.4 61.6 92.4

62 66.0 55.0 82.6



#40

1,4-Dioxane

Concen: 10.018 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Tgt Ion: 88 Resp: 306063

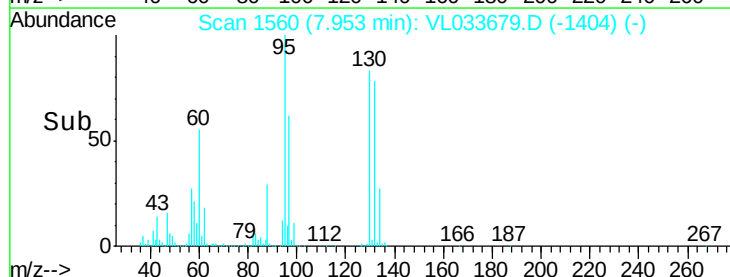
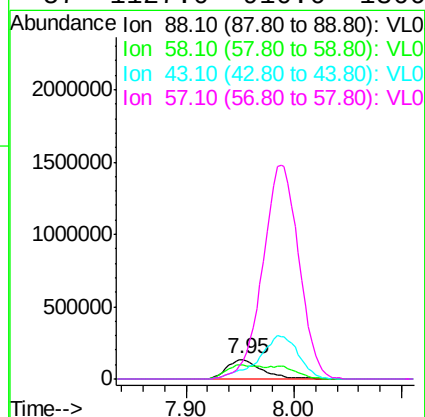
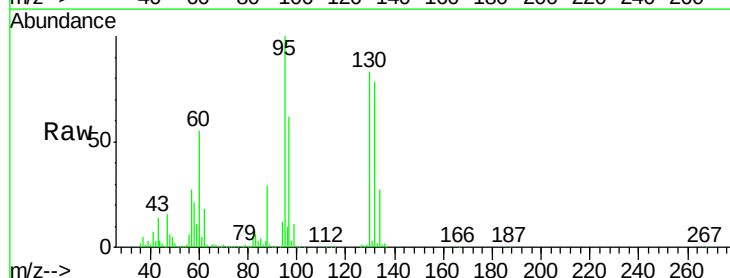
Ion Ratio Lower Upper

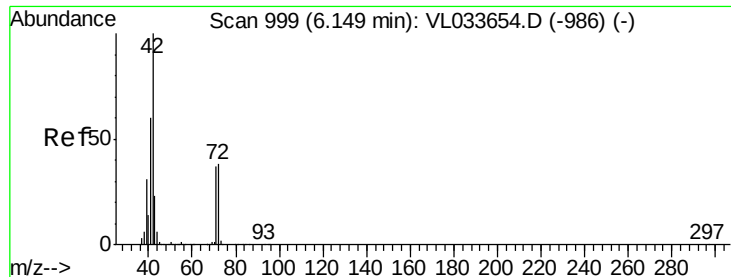
88 100

58 125.0 102.3 153.5

43 250.9 206.1 309.1

57 1127.0 910.6 1366.0





#41

Tetrahydrofuran

Concen: 10.513 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

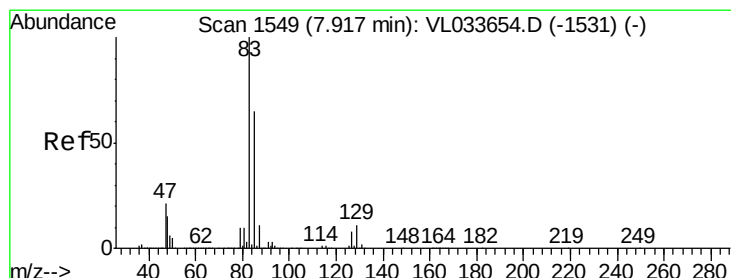
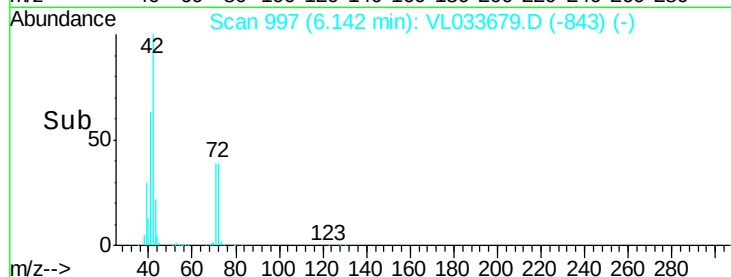
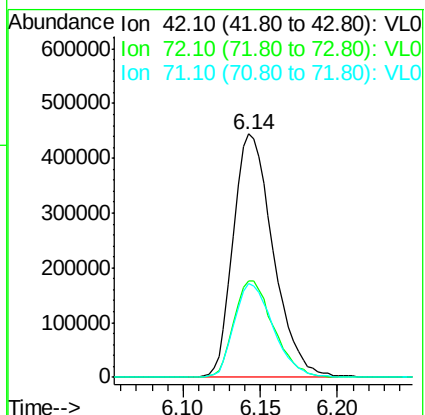
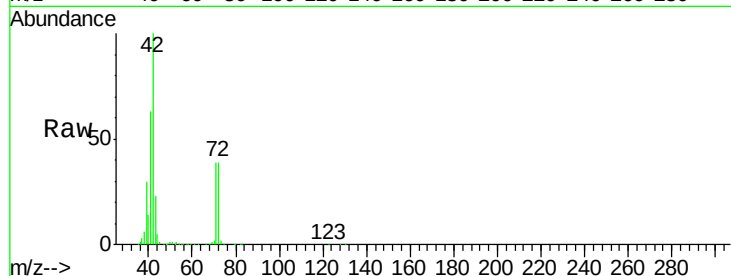
Tot Ion: 42 Resp: 795746

Ion Ratio Lower Upper

42 100

72 39.5 31.6 47.4

71 37.9 30.6 46.0



#42

Bromodichloromethane

Concen: 9.872 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

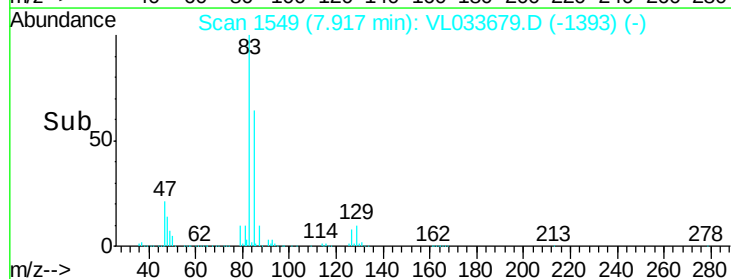
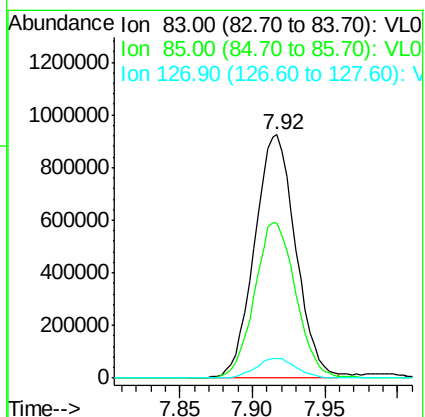
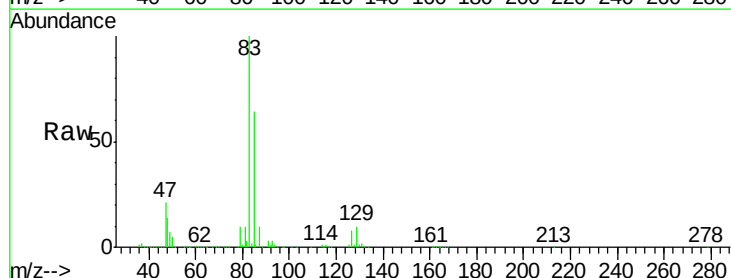
Tgt Ion: 83 Resp: 1824065

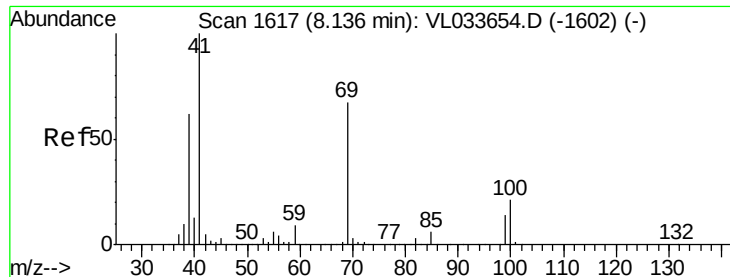
Ion Ratio Lower Upper

83 100

85 63.9 52.4 78.6

127 8.2 6.6 9.8

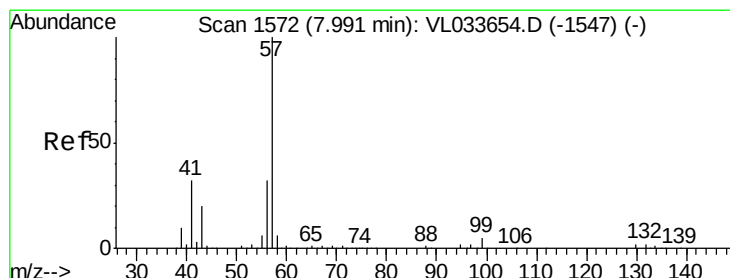
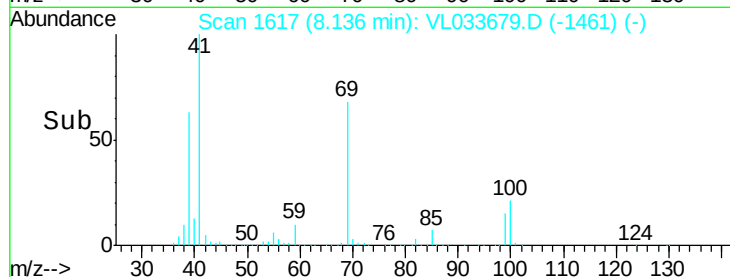
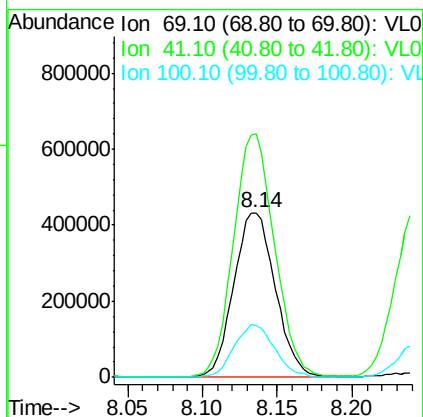
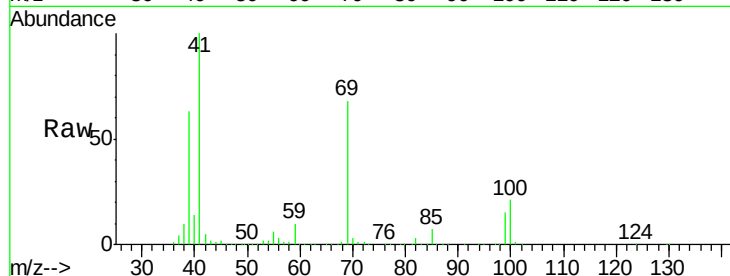




#43
Methyl Methacrylate
Concen: 10.797 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

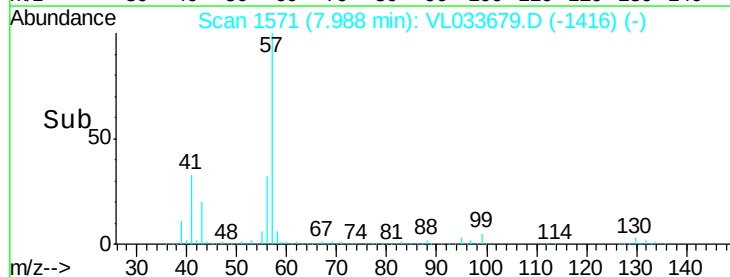
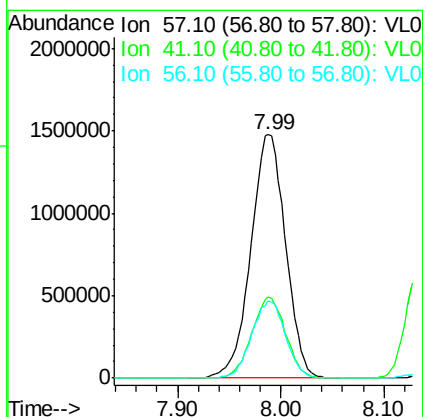
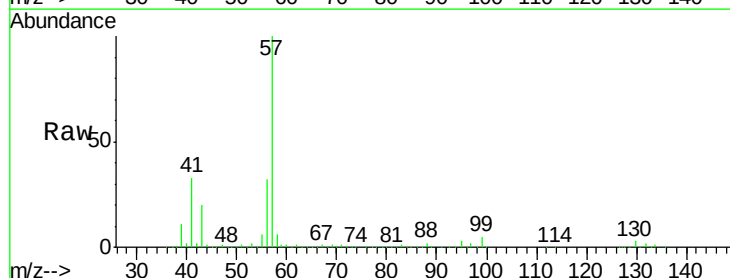
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

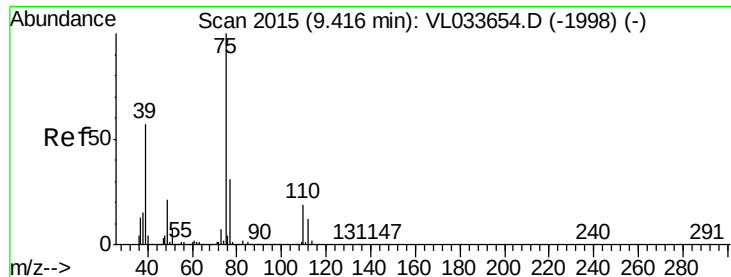
Tot Ion: 69 Resp: 833001
Ion Ratio Lower Upper
69 100
41 147.1 116.6 175.0
100 31.6 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 9.823 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 57 Resp: 3444887
Ion Ratio Lower Upper
57 100
41 32.4 25.7 38.5
56 30.9 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 12.144 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

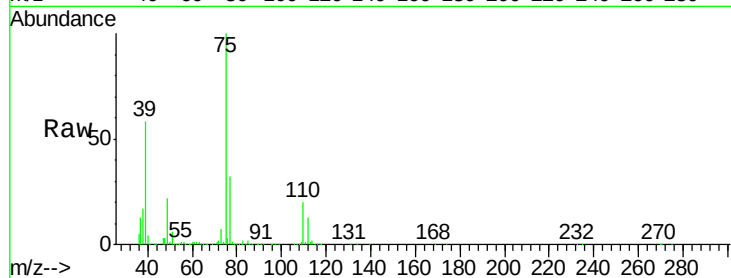
VL0507ABS01

Tot Ion: 75 Resp: 1149876

Ion Ratio Lower Upper

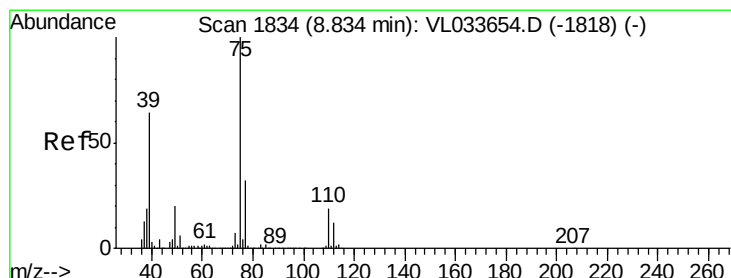
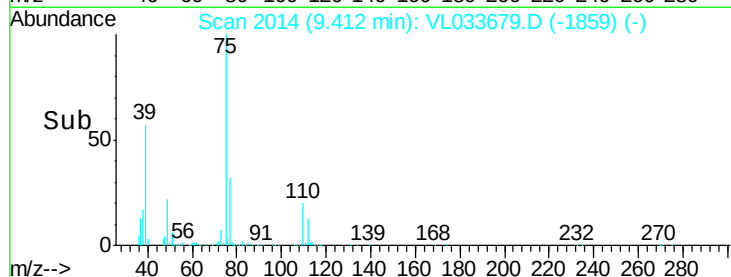
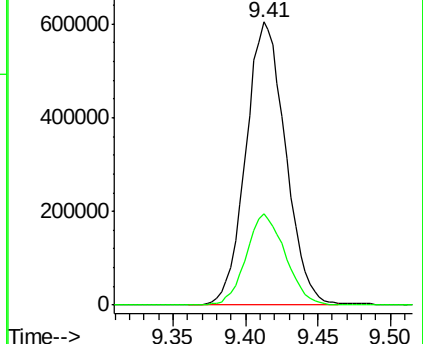
75 100

77 32.1 24.7 37.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.897 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

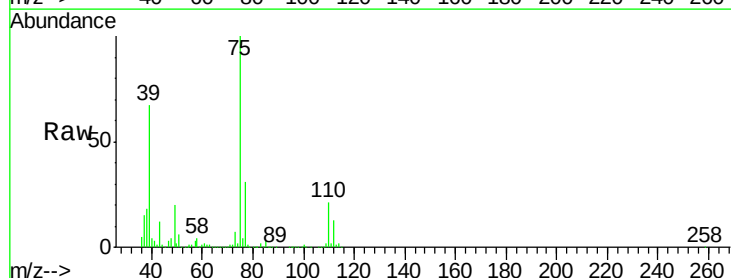
Tgt Ion: 75 Resp: 1287814

Ion Ratio Lower Upper

75 100

39 66.9 51.5 77.3

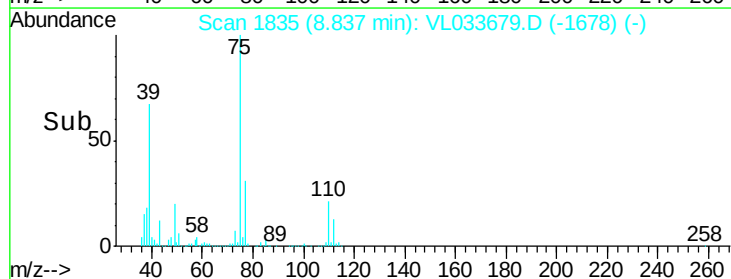
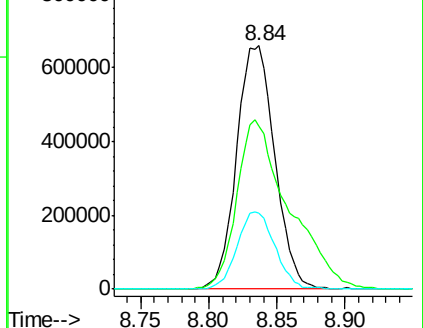
77 31.2 25.4 38.0

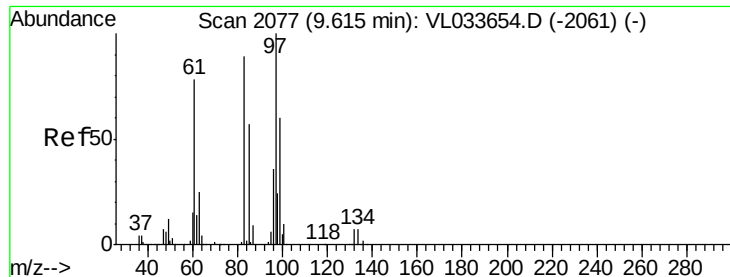


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



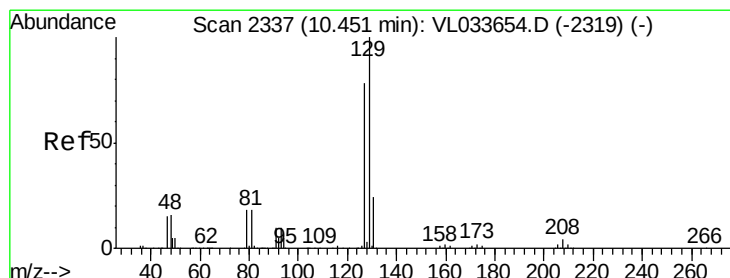
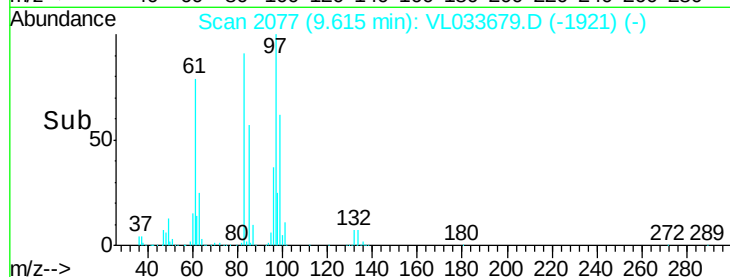
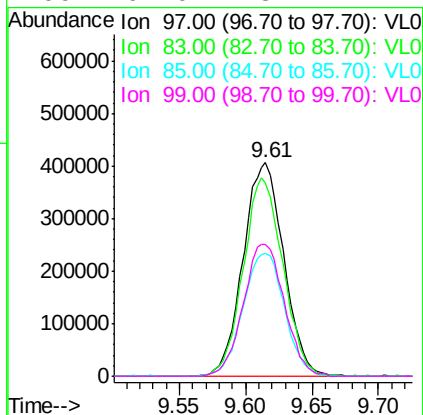
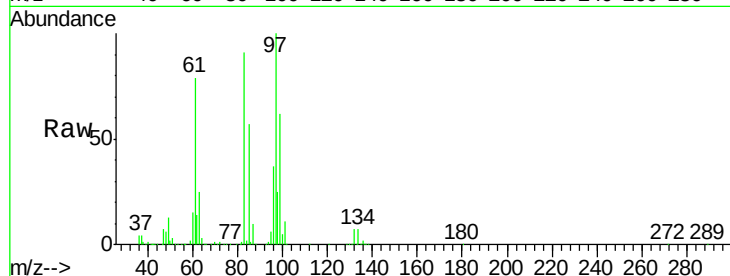


#47
 1,1,2-Trichloroethane
 Concen: 9.844 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 97 Resp: 864182

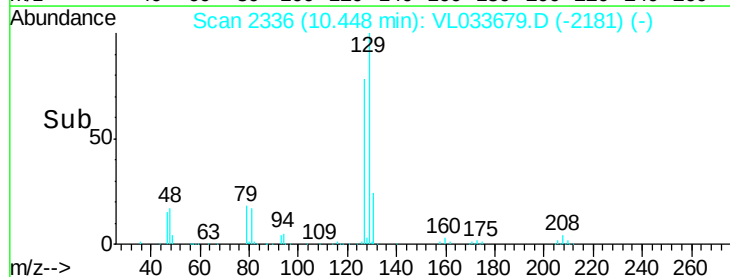
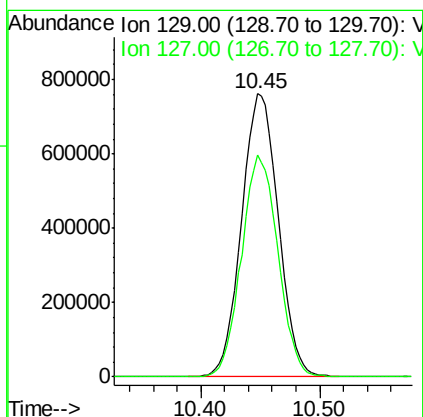
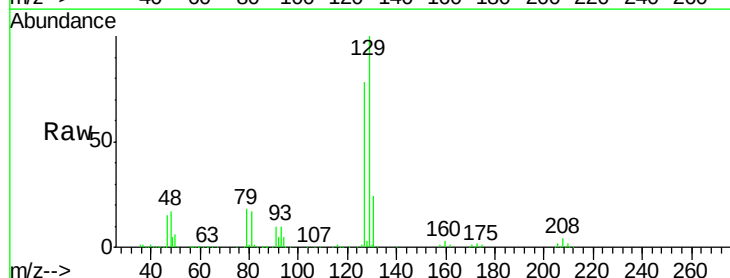
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.9	106.3
85	57.2	45.8	68.6
99	62.0	48.2	72.4

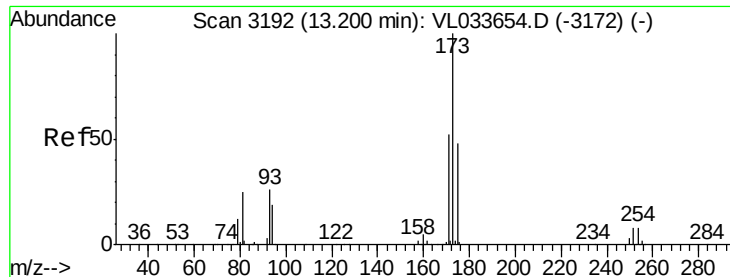


#48
 Dibromochloromethane
 Concen: 10.954 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion: 129 Resp: 1630132

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2





#49

Bromoform

Concen: 11.134 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

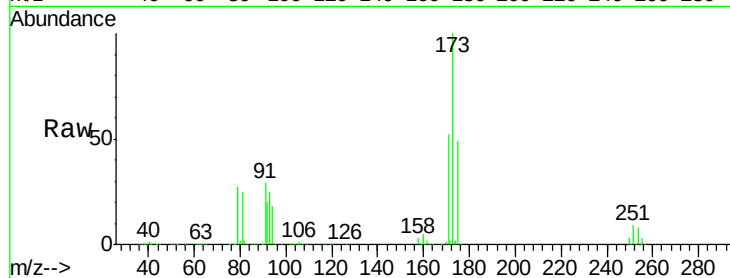
Tot Ion:173 Resp: 1439236

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

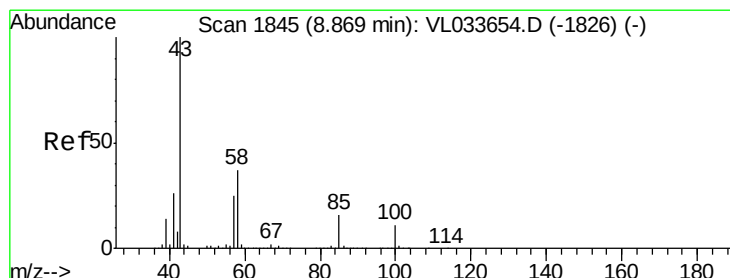
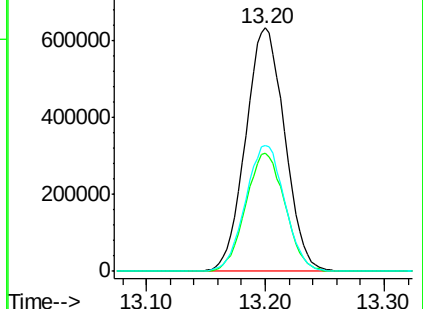
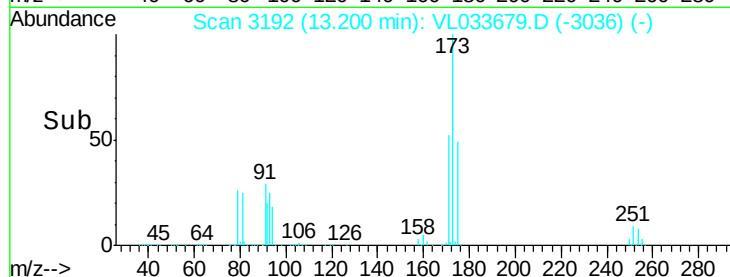
171 51.9 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.115 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL033679.D

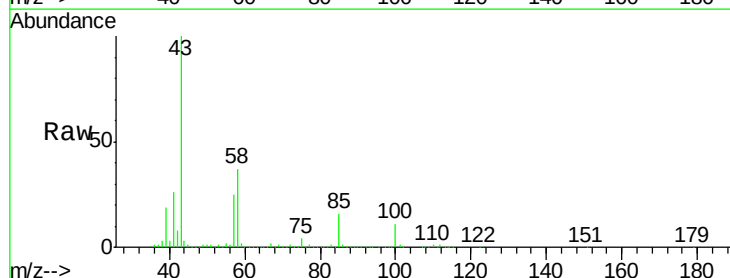
Acq: 7 May 2019 13:01

Tgt Ion: 43 Resp: 2243330

Ion Ratio Lower Upper

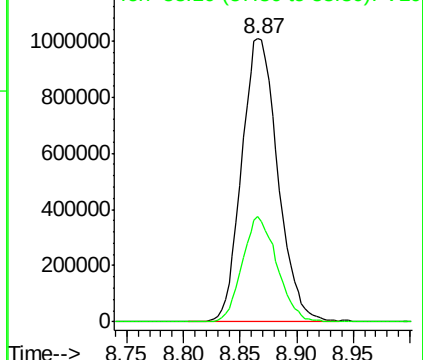
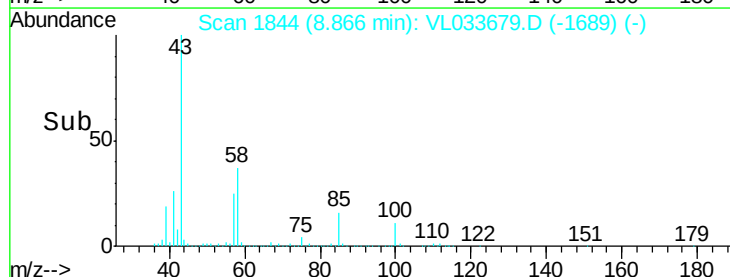
43 100

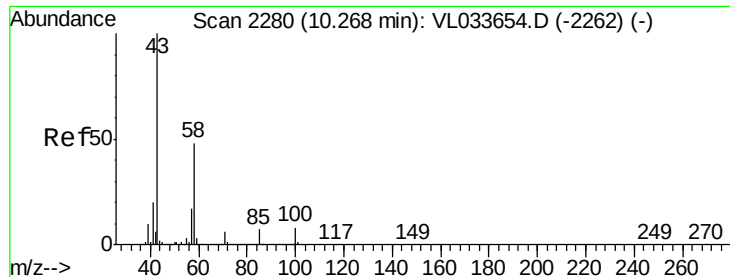
58 35.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

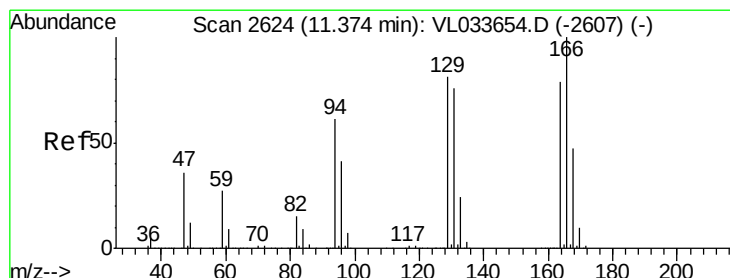
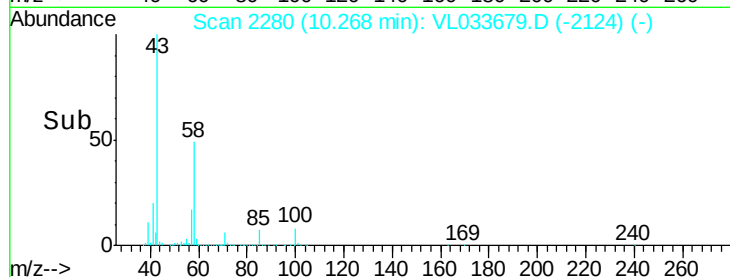
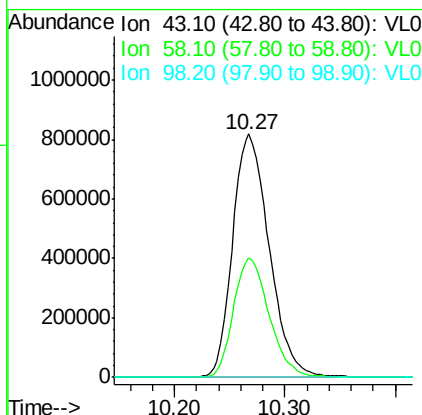
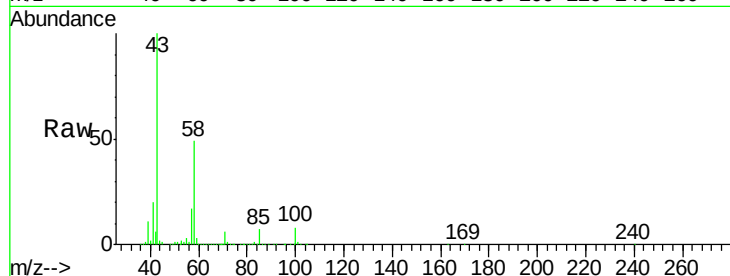




#51
2-Hexanone
Concen: 10.940 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

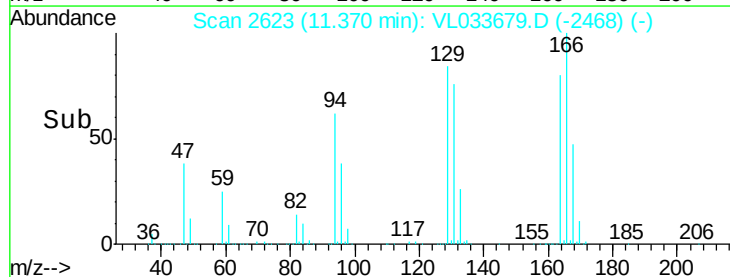
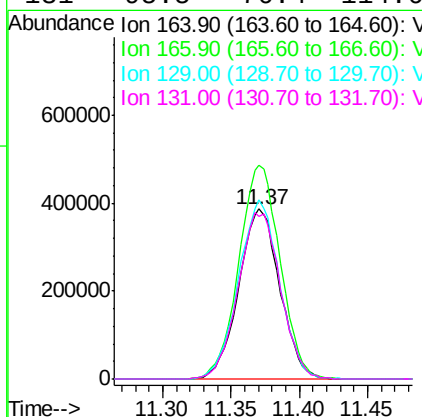
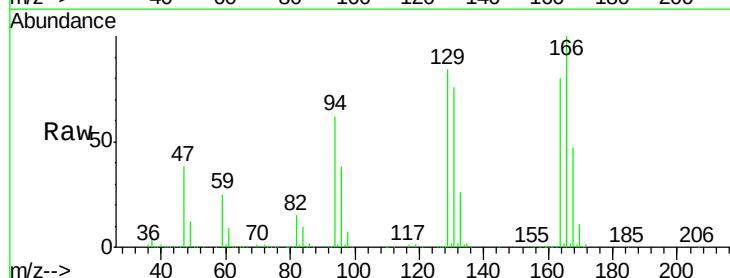
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

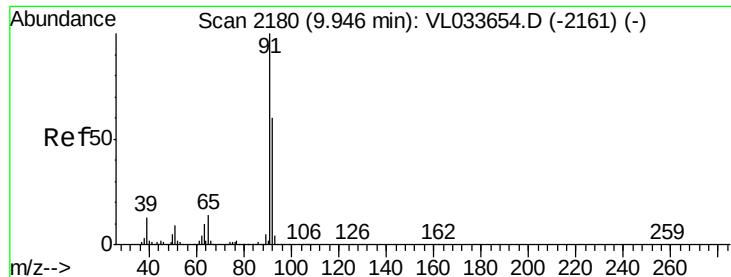
Tot Ion: 43 Resp: 1879777
Ion Ratio Lower Upper
43 100
58 47.9 38.2 57.4
98 0.4 0.2 0.4



#52
Tetrachloroethene
Concen: 11.039 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 164 Resp: 802165
Ion Ratio Lower Upper
164 100
166 125.6 100.6 151.0
129 105.5 81.0 121.6
131 95.5 76.4 114.6





#53

Toluene

Concen: 11.064 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

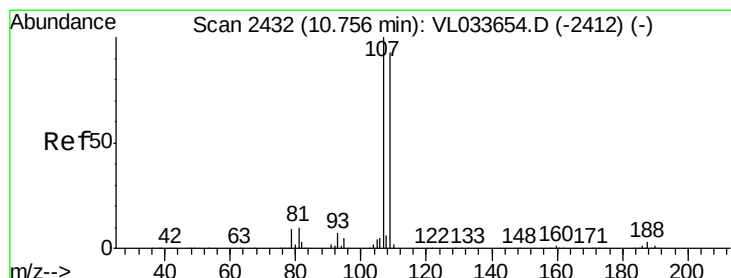
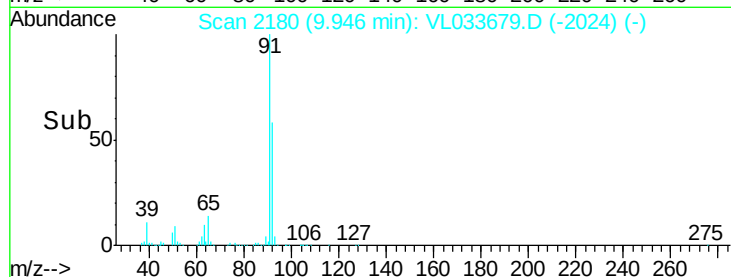
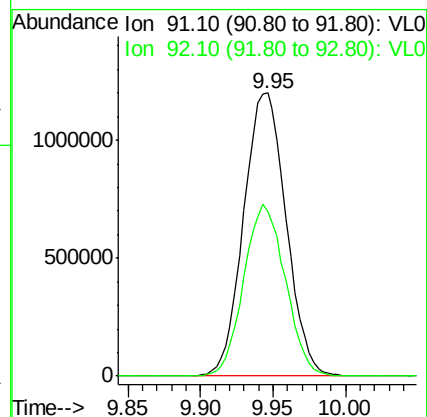
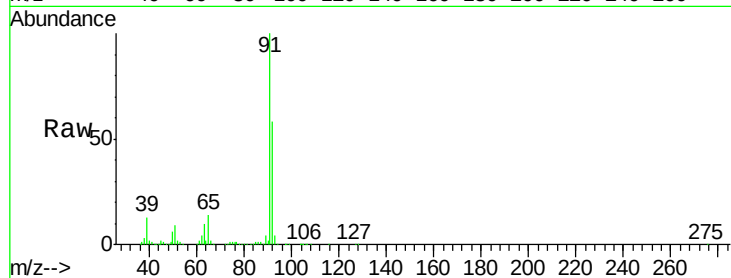
VL0507ABS01

Tot Ion: 91 Resp: 2451728

Ion Ratio Lower Upper

91 100

92 59.4 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.616 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033679.D

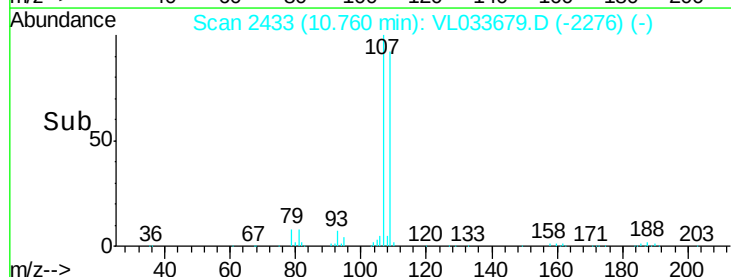
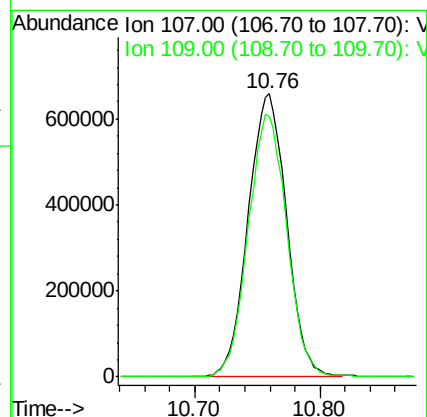
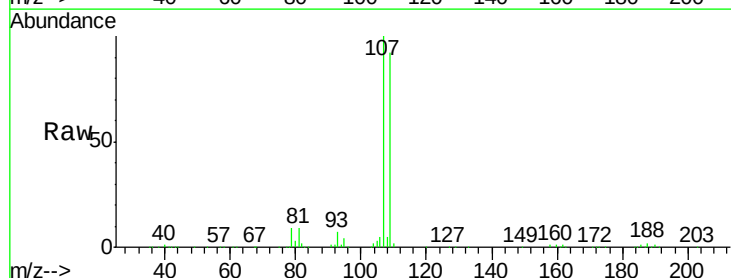
Acq: 7 May 2019 13:01

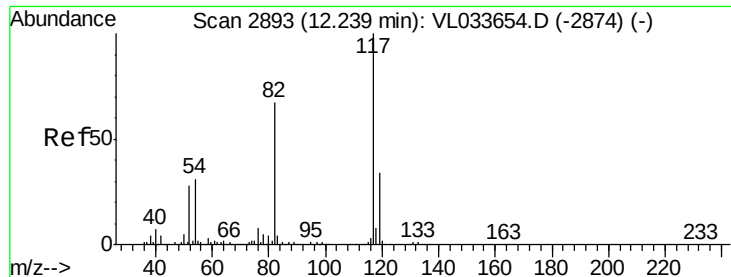
Tgt Ion:107 Resp: 1403815

Ion Ratio Lower Upper

107 100

109 91.9 74.6 111.8

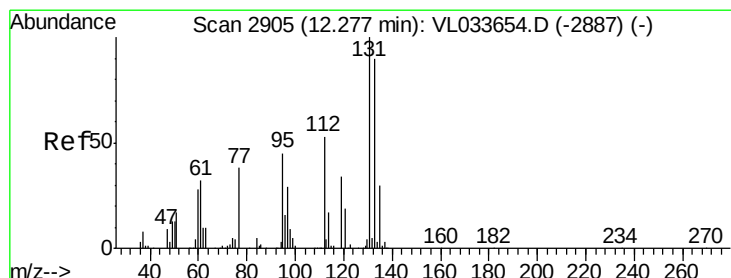
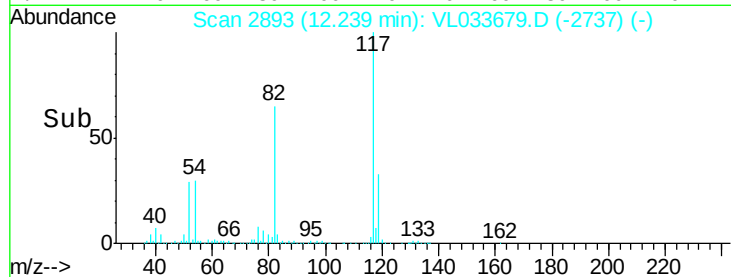
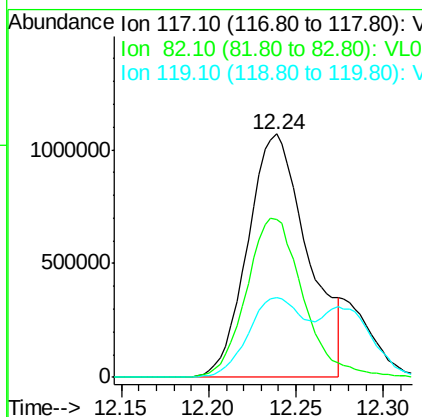
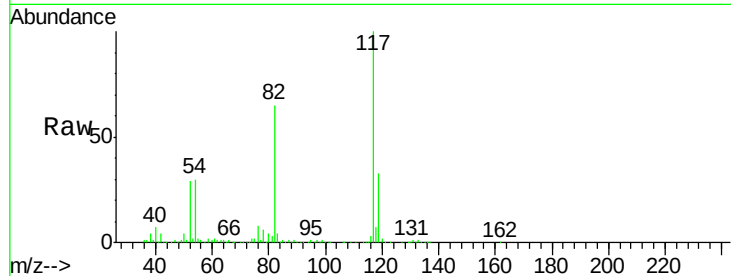




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

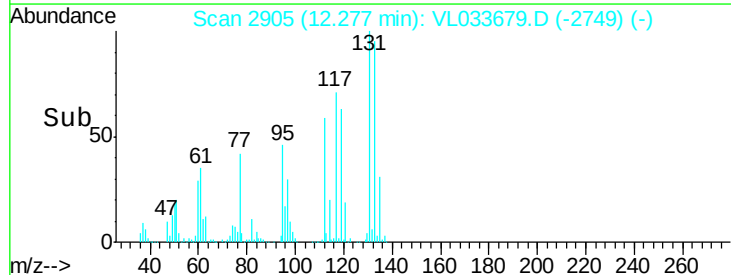
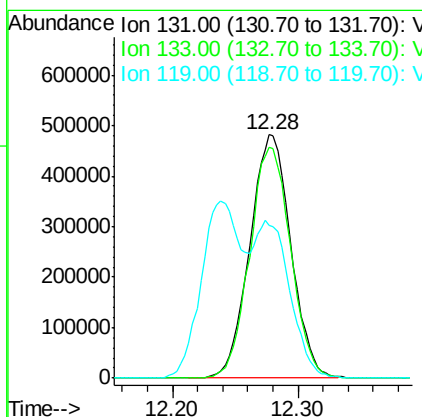
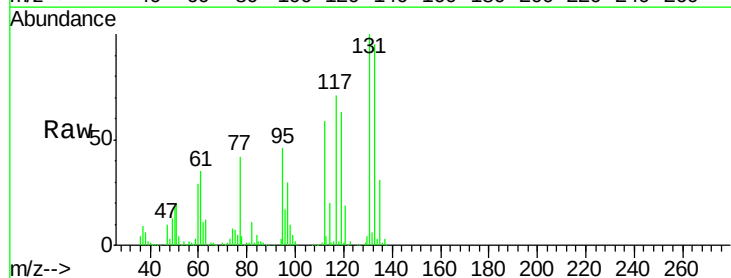
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

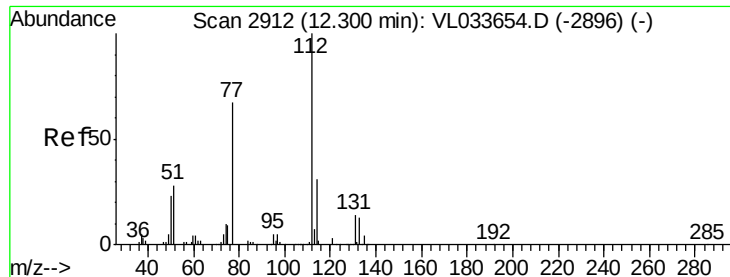
Tot Ion:117 Resp: 2554051
Ion Ratio Lower Upper
117 100
82 62.4 49.7 74.5
119 27.8 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.301 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion:131 Resp: 1095714
Ion Ratio Lower Upper
131 100
133 95.2 76.0 114.0
119 59.9 45.4 68.2

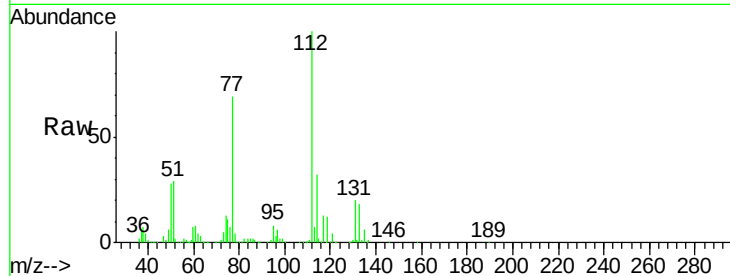




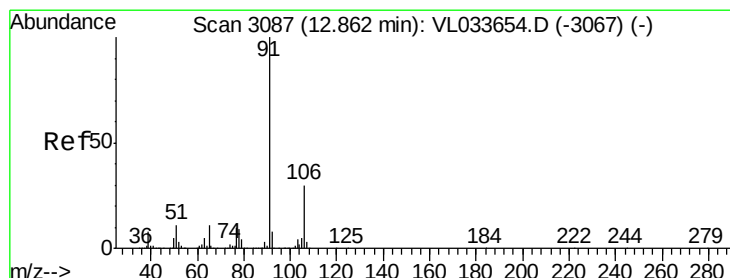
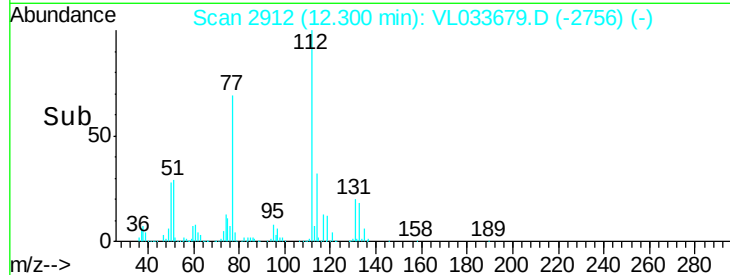
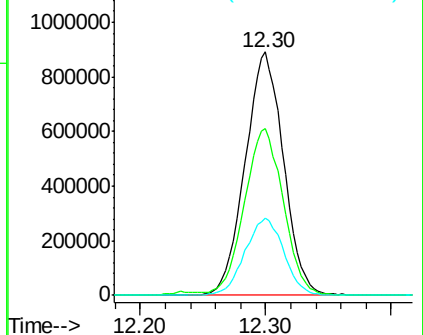
#57
Chlorobenzene
Concen: 9.041 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:112 Resp: 1895924
Ion Ratio Lower Upper
112 100
77 68.5 54.4 81.6
114 31.5 28.2 34.4

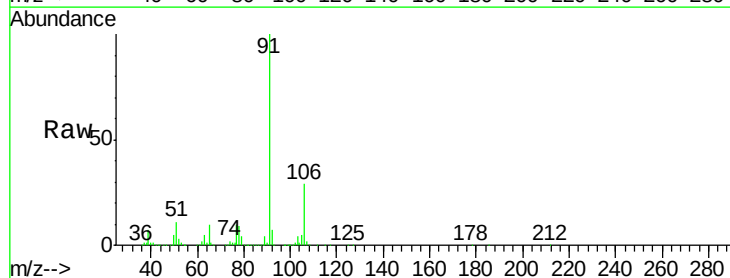


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

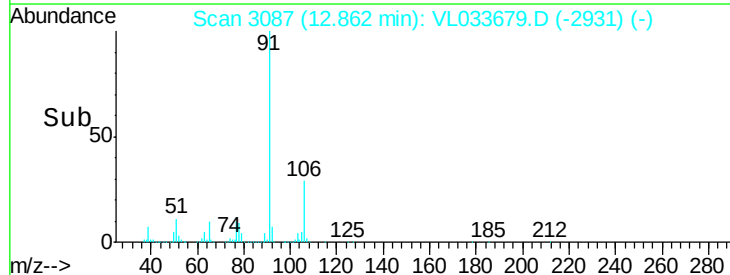
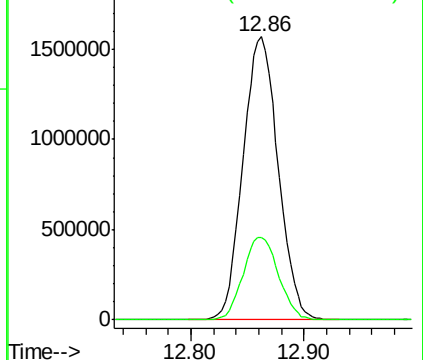


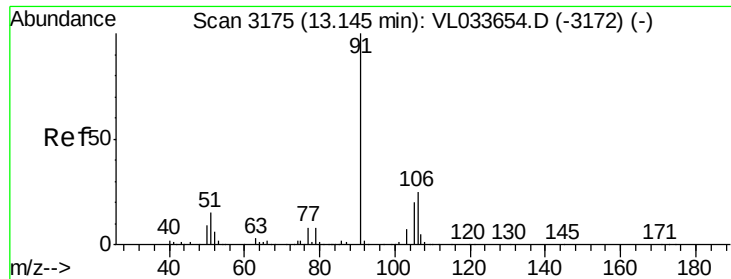
#58
Ethyl Benzene
Concen: 10.177 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 91 Resp: 3389460
Ion Ratio Lower Upper
91 100
106 29.2 23.7 35.5



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

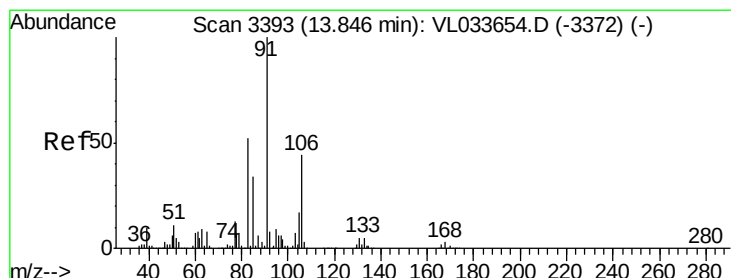
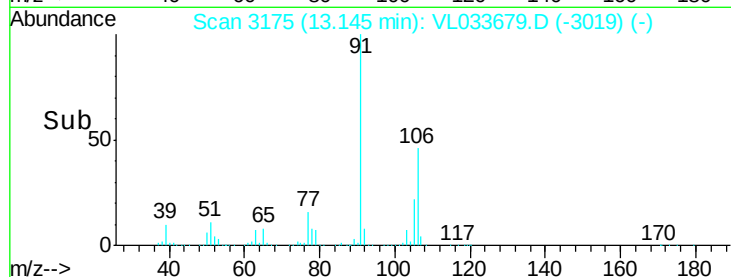
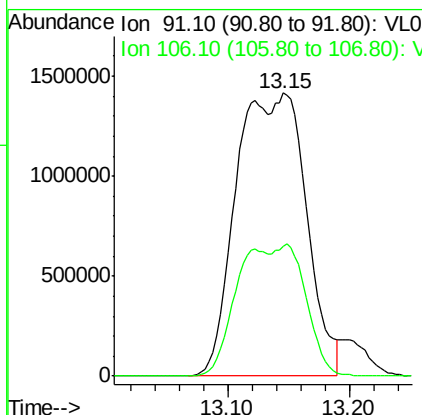
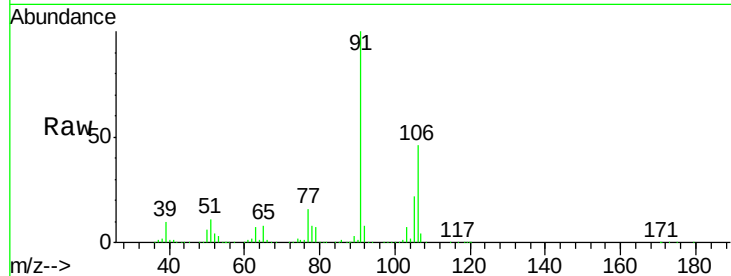




#59
m/p-Xylene
Concen: 19.290 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

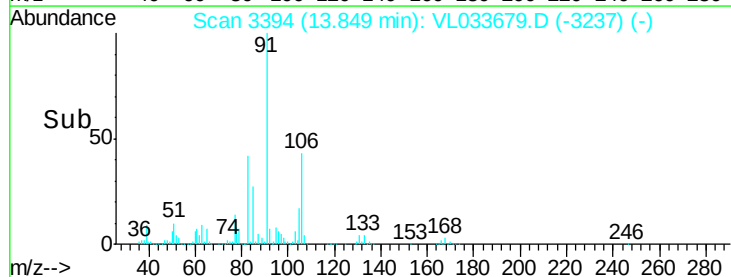
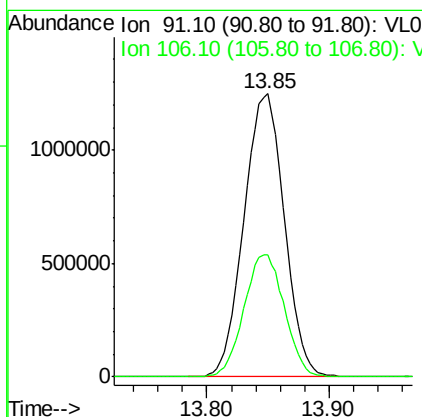
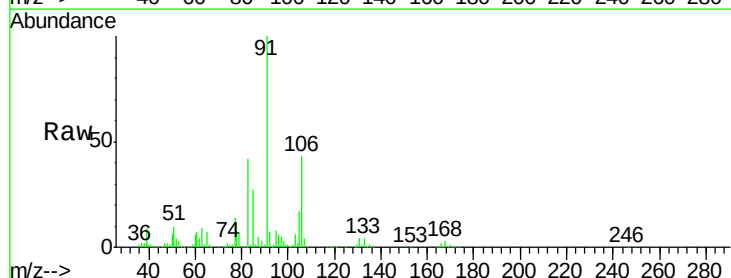
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

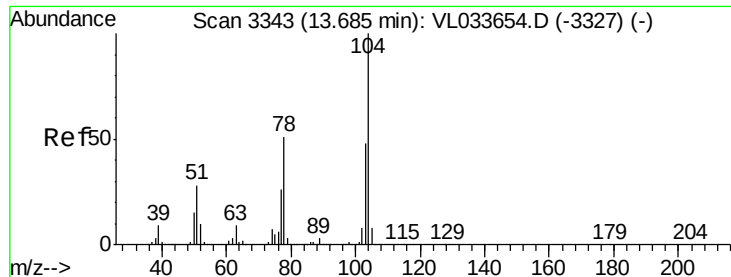
Tot Ion: 91 Resp: 5658982
Ion Ratio Lower Upper
91 100
106 45.3 36.2 54.2



#60
o-Xylene
Concen: 9.606 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 91 Resp: 2852088
Ion Ratio Lower Upper
91 100
106 43.4 21.7 65.1





#61

Stvrene

Concen: 10.824 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

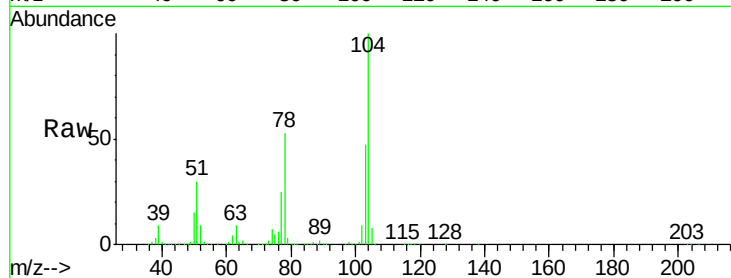
Tot Ion:104 Resp: 2139837

Ion Ratio Lower Upper

104 100

78 53.4 43.0 64.6

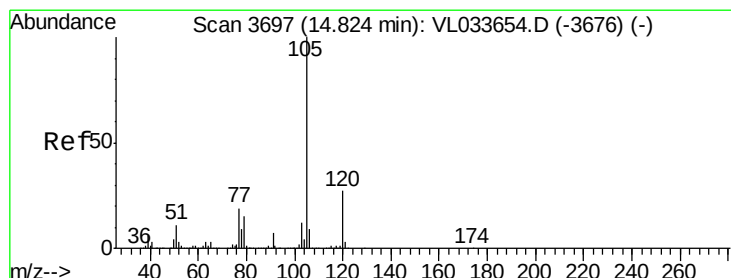
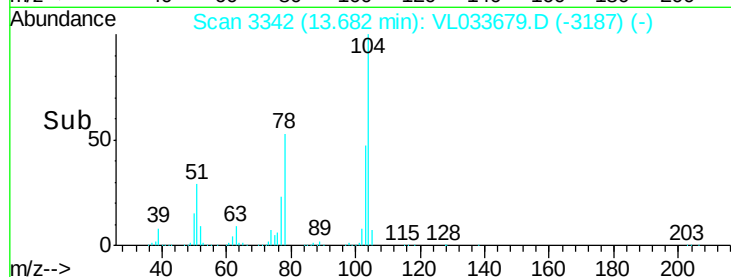
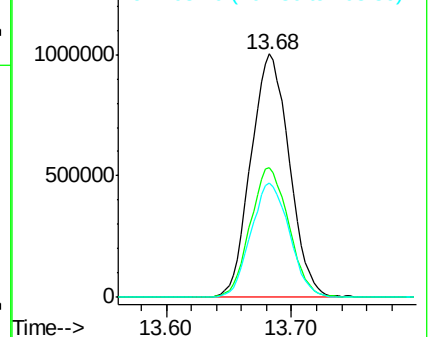
103 47.1 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.508 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033679.D

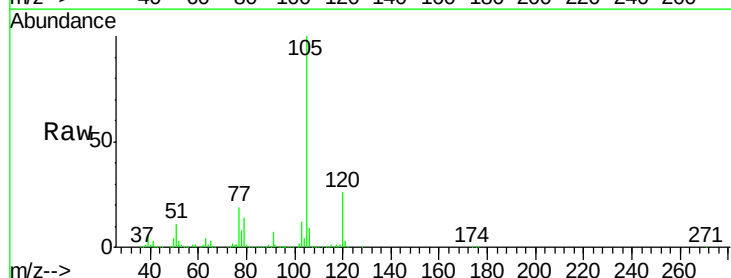
Acq: 7 May 2019 13:01

Tgt Ion:105 Resp: 3854228

Ion Ratio Lower Upper

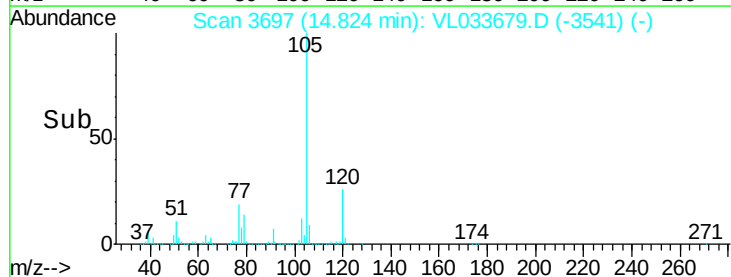
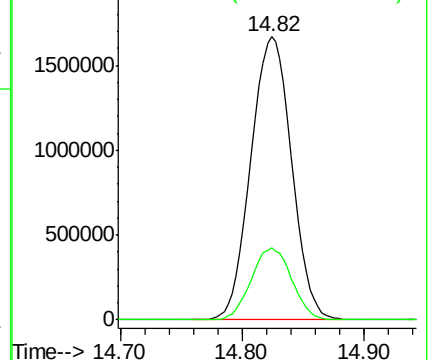
105 100

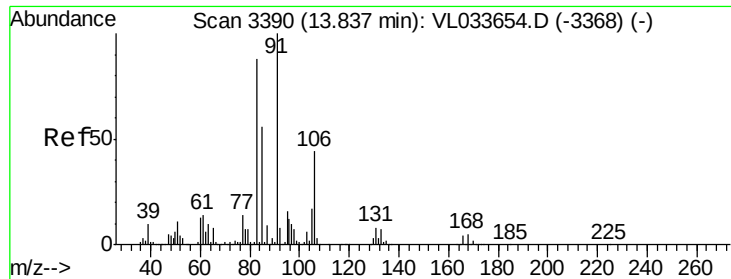
120 25.3 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

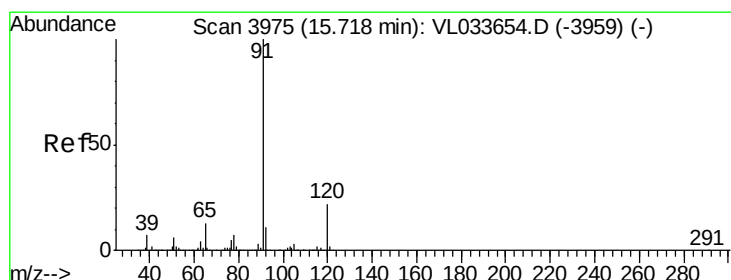
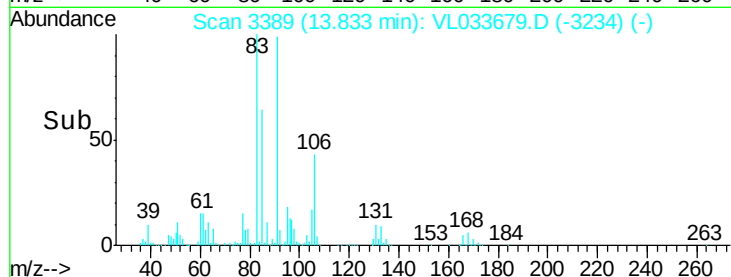
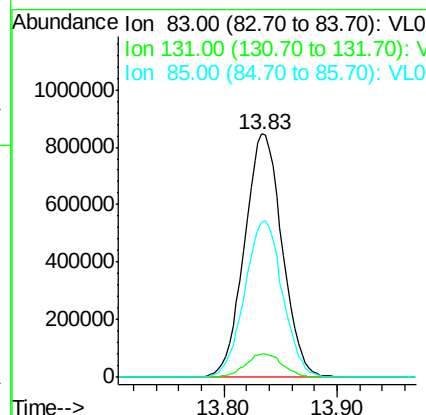
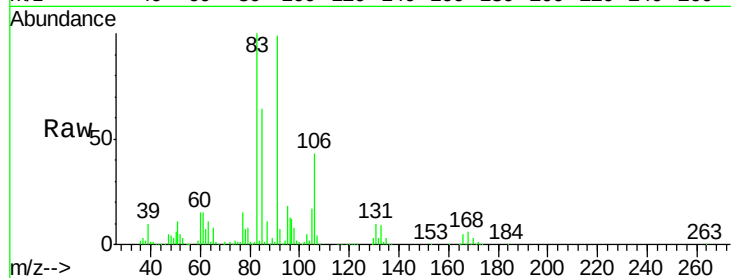




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.080 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

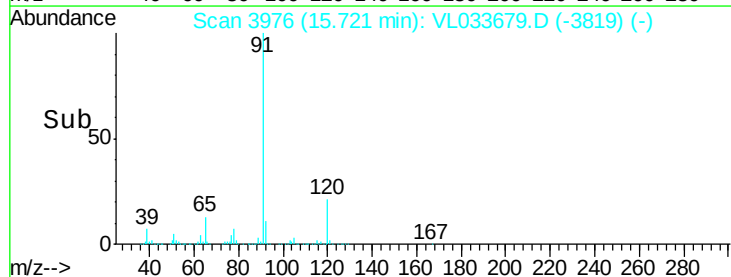
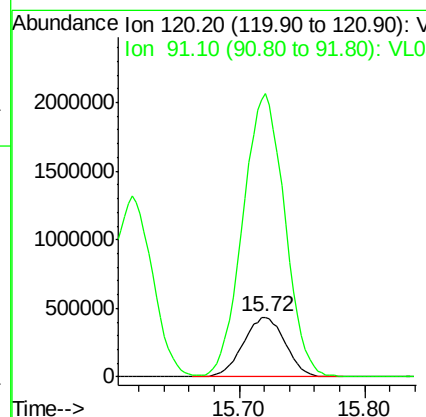
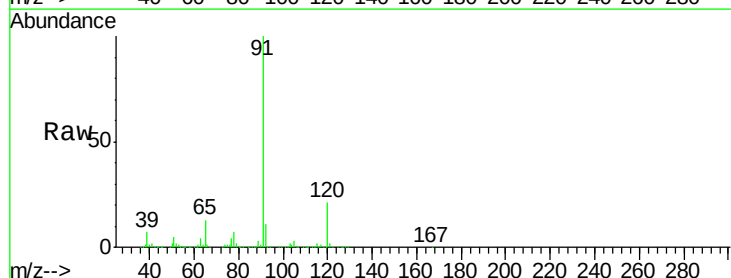
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

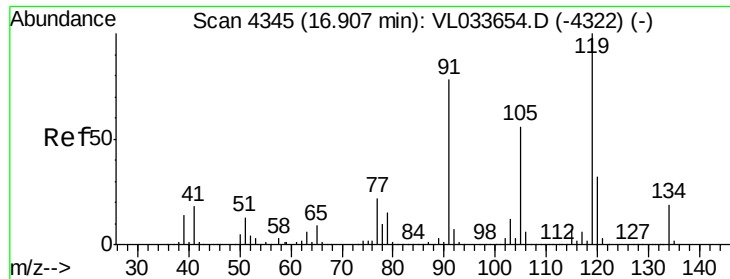
Tot Ion: 83 Resp: 1961903
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.3
 85 64.7 32.5 97.4



#64
 n-propylbenzene
 Concen: 9.639 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion:120 Resp: 1009816
 Ion Ratio Lower Upper
 120 100
 91 475.9 379.0 568.6

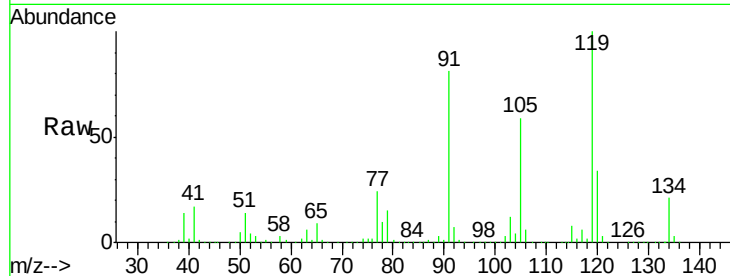




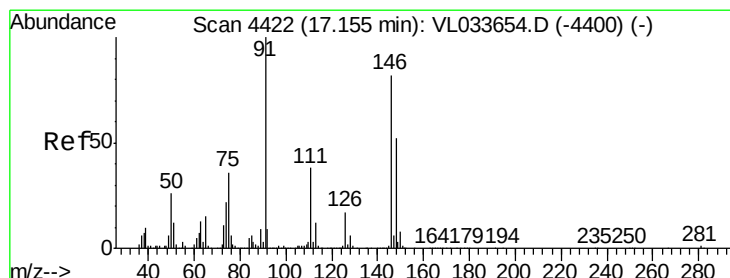
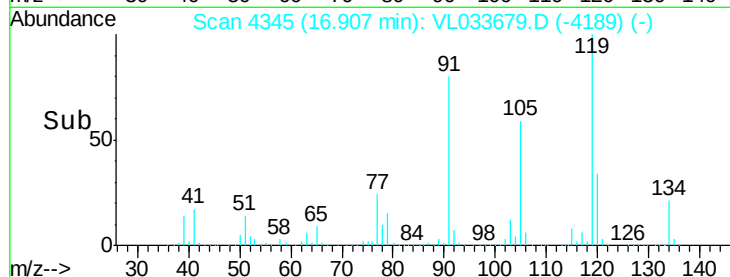
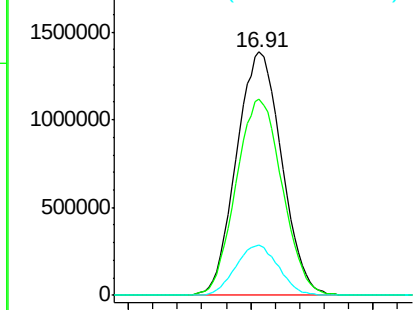
#65
tert-Butylbenzene
Concen: 9.577 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:119 Resp: 3561194
Ion Ratio Lower Upper
119 100
91 82.3 65.9 98.9
134 19.6 15.5 23.3

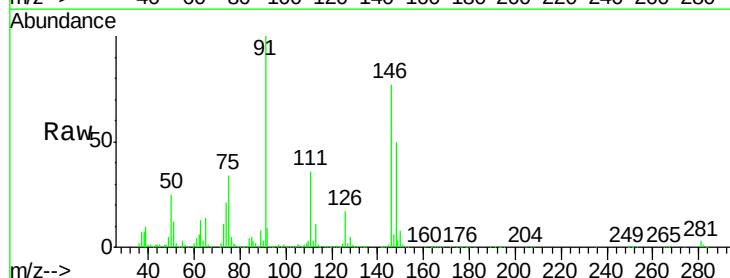


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

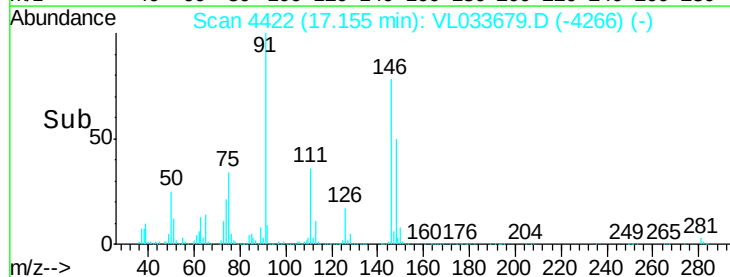
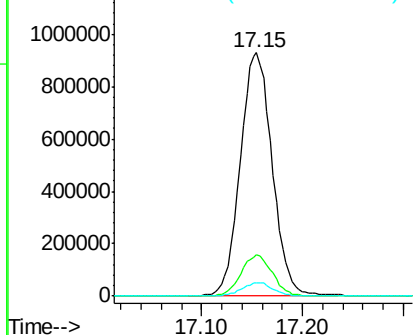


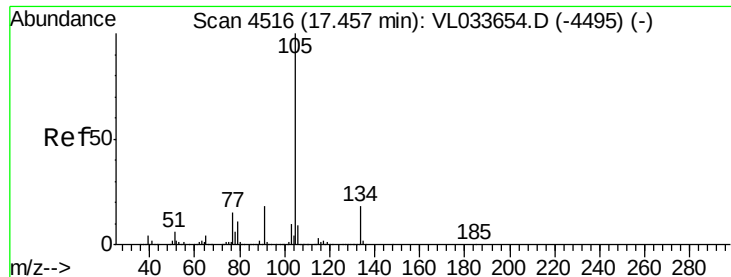
#66
Benzyl Chloride
Concen: 12.065 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Tgt Ion: 91 Resp: 2040959
Ion Ratio Lower Upper
91 100
126 16.6 13.4 20.2
128 5.4 4.4 6.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.579 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

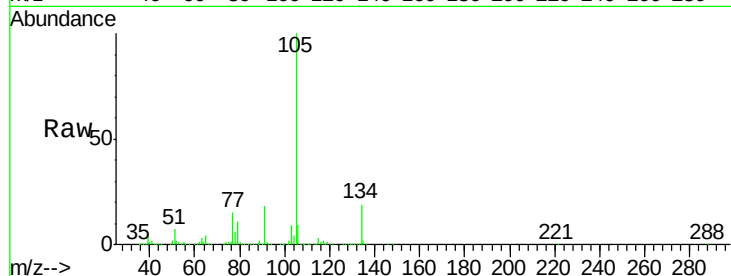
VL0507ABS01

Tot Ion:105 Resp: 4969937

Ion Ratio Lower Upper

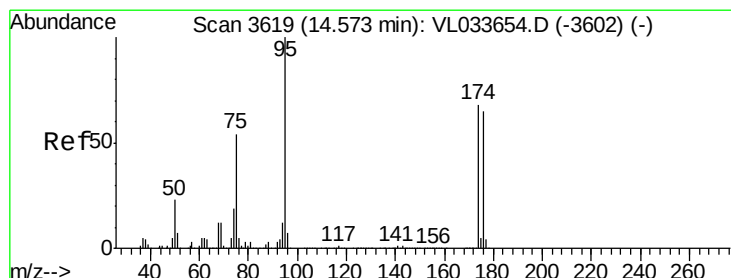
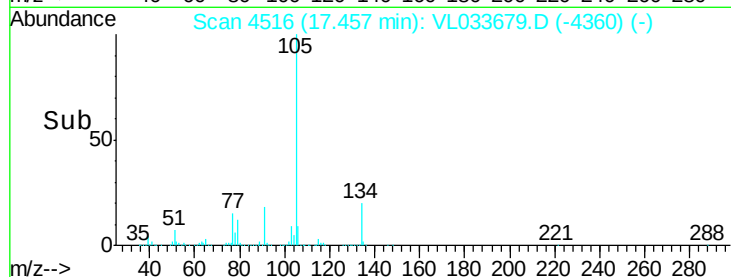
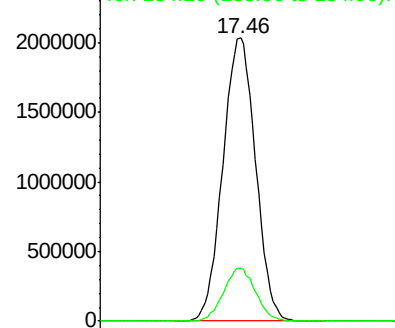
105 100

134 18.2 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.452 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

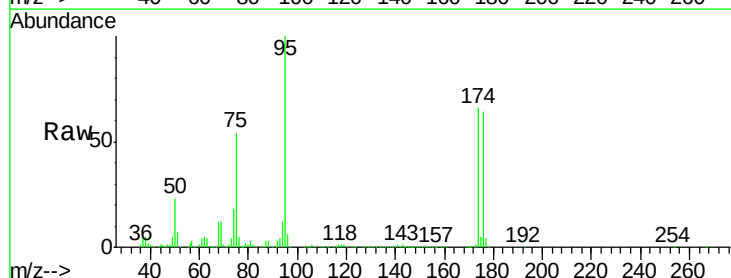
Tgt Ion: 95 Resp: 1978941

Ion Ratio Lower Upper

95 100

174 66.9 54.0 81.0

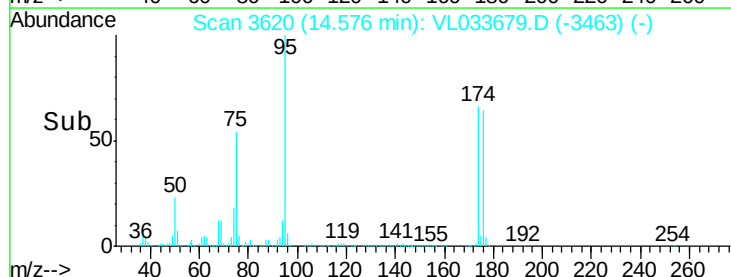
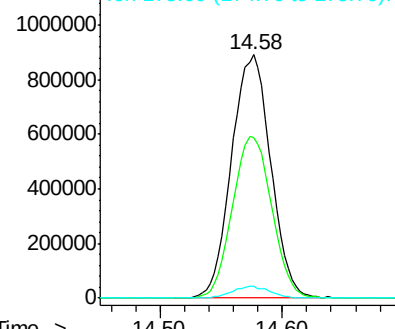
175 4.7 3.8 5.8

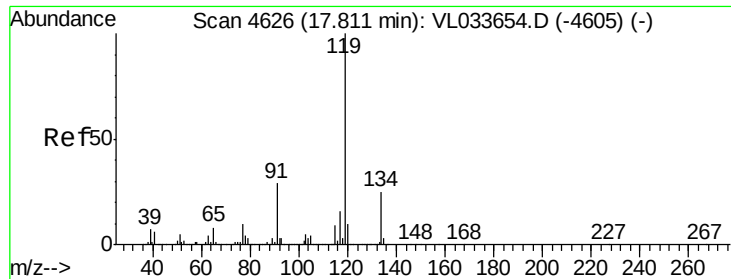


Abundance Ion 95.10 (94.80 to 95.80): VLO

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

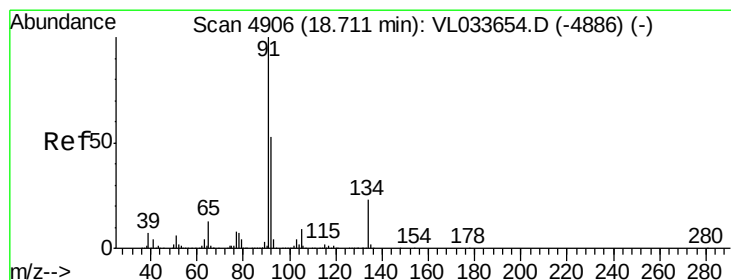
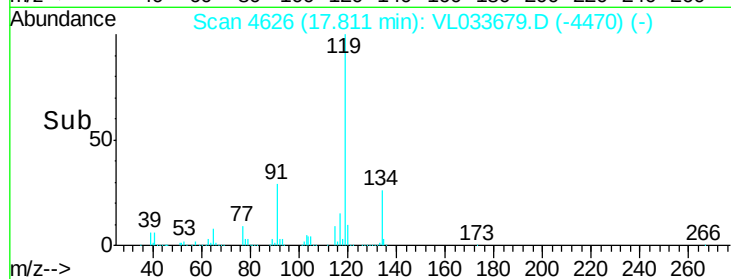
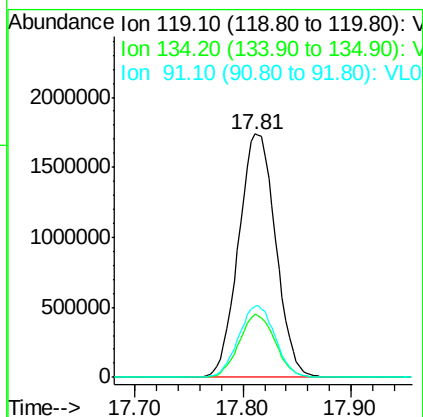
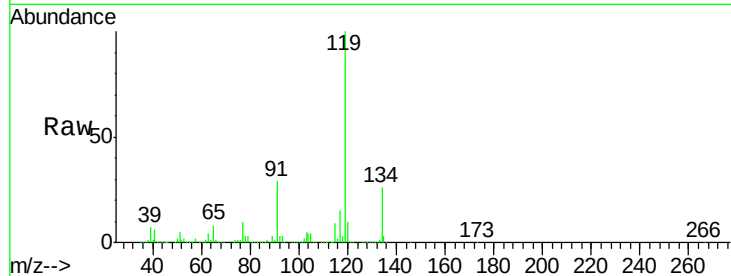




#69
 p-Isopropyltoluene
 Concen: 9.717 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

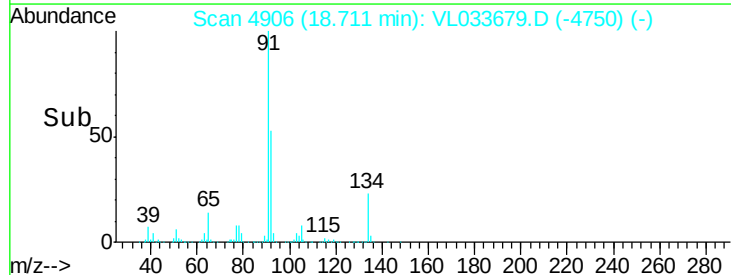
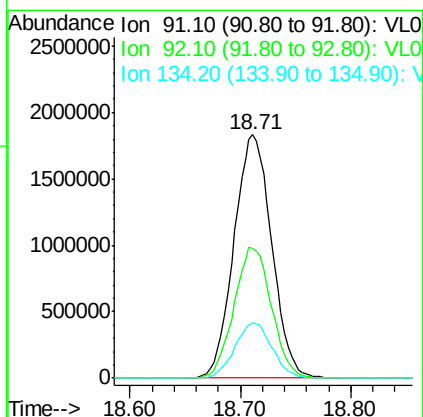
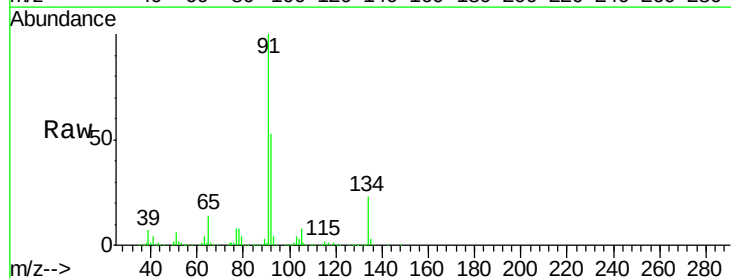
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

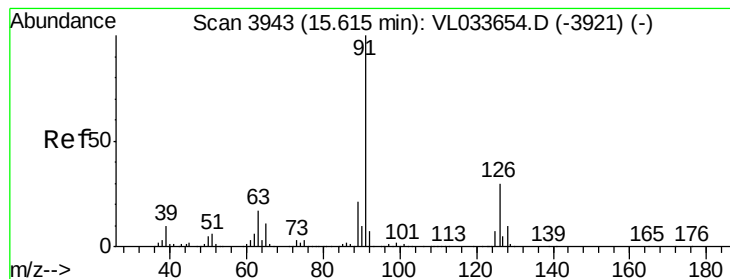
Tot Ion: 119 Resp: 4154022
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.2
 91 29.3 23.4 35.2



#70
 n-Butylbenzene
 Concen: 9.535 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion: 91 Resp: 4322132
 Ion Ratio Lower Upper
 91 100
 92 53.5 42.5 63.7
 134 22.5 18.0 27.0





#71

2-Chlorotoluene

Concen: 9.868 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

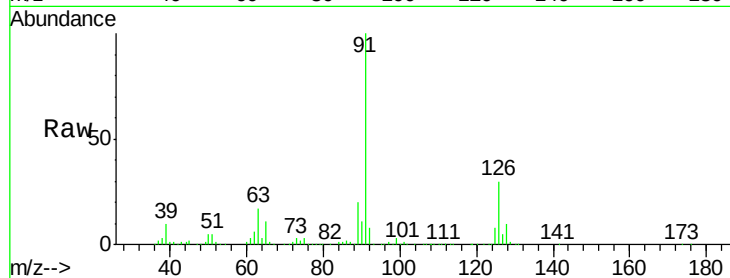
VL0507ABS01

Tot Ion: 91 Resp: 2955329

Ion Ratio Lower Upper

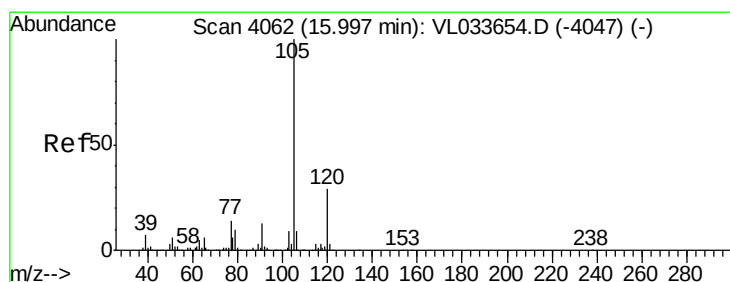
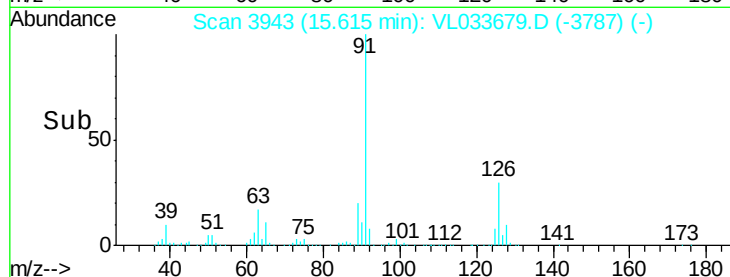
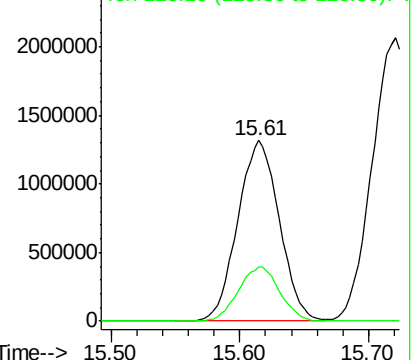
91 100

126 29.9 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.674 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Tgt Ion:105 Resp: 3375804

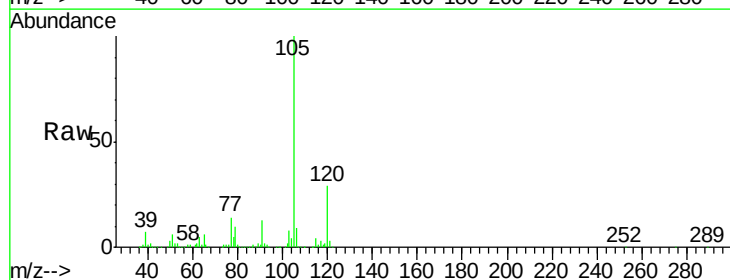
Ion Ratio Lower Upper

105 100

120 28.8 23.0 34.6

91 13.0 10.5 15.7

77 14.3 11.4 17.2

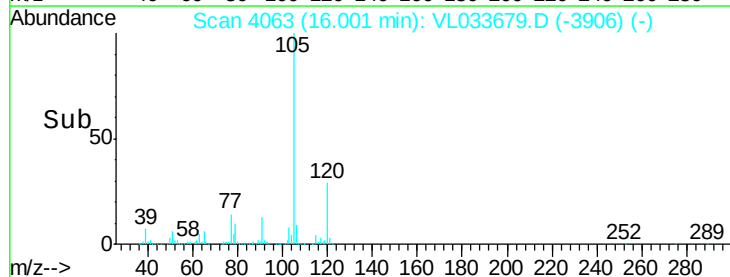
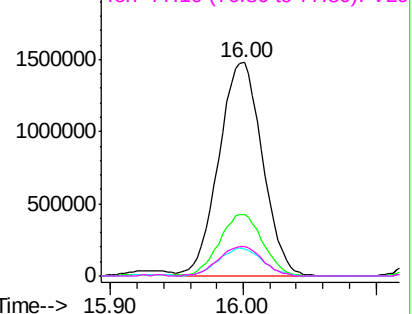


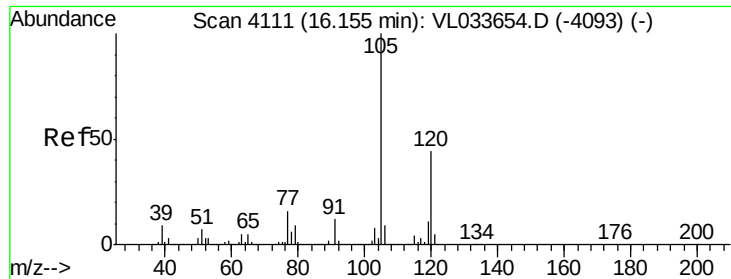
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

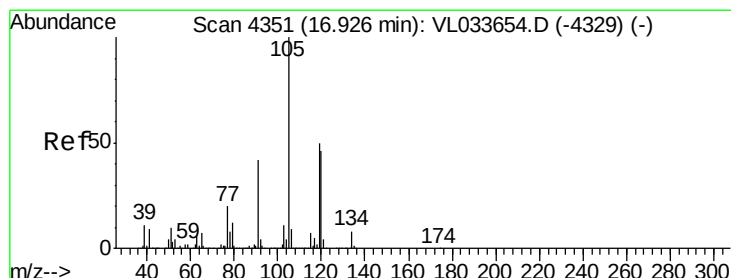
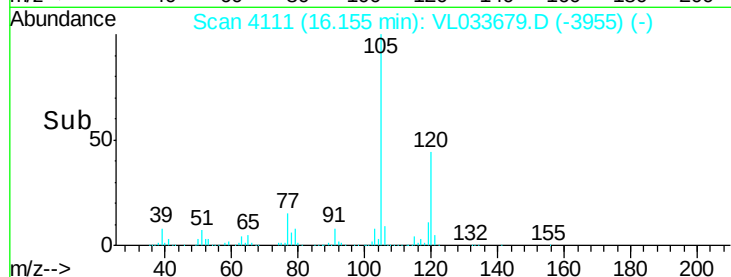
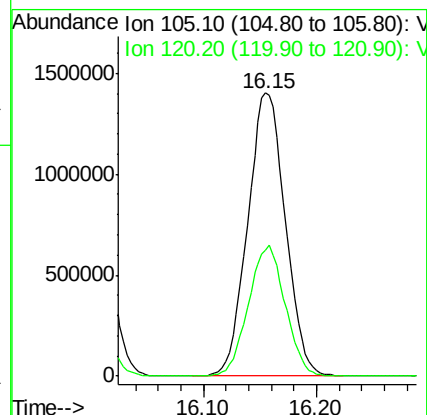
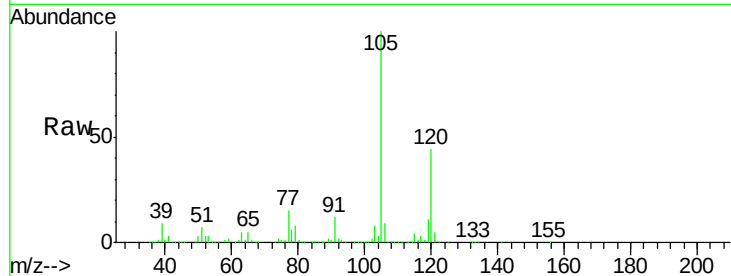




#73
 1,3,5-Trimethylbenzene
 Concen: 9.581 ppbv
 RT: 16.15 min Scan# 4111
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

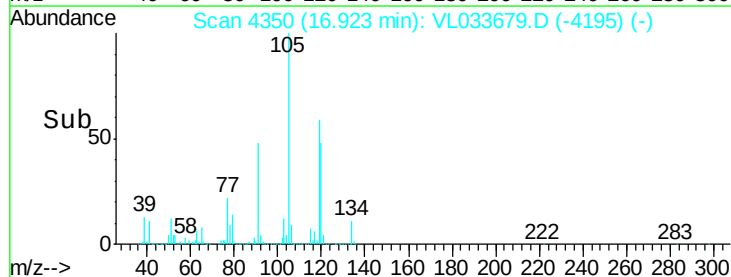
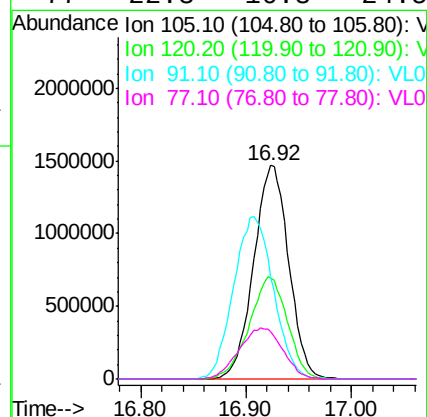
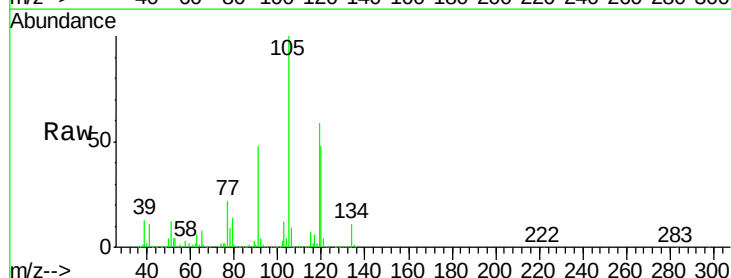
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

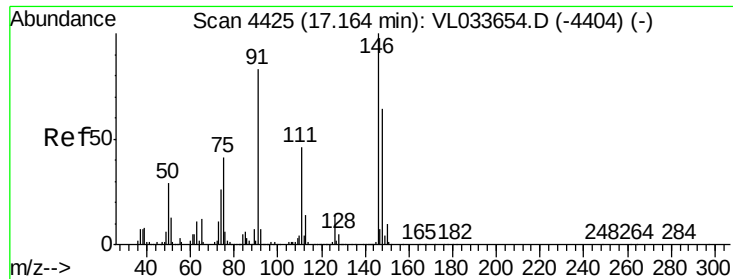
Tot Ion:105 Resp: 3232882
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 9.062 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion:105 Resp: 3398867
 Ion Ratio Lower Upper
 105 100
 120 47.5 36.5 54.7
 91 47.9 33.7 50.5
 77 22.3 16.3 24.5

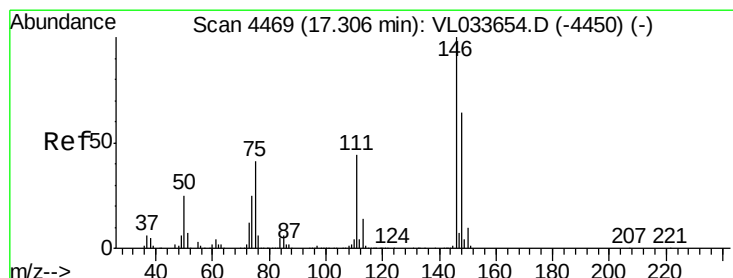
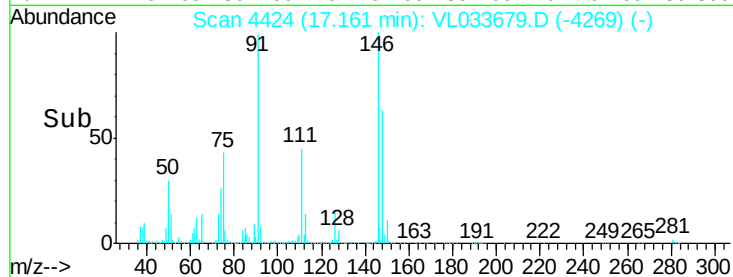
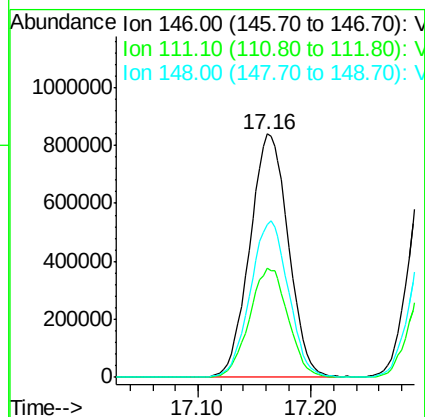
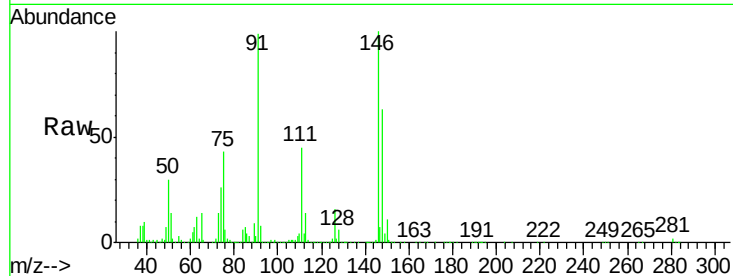




#75
 1,3-Dichlorobenzene
 Concen: 8.755 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

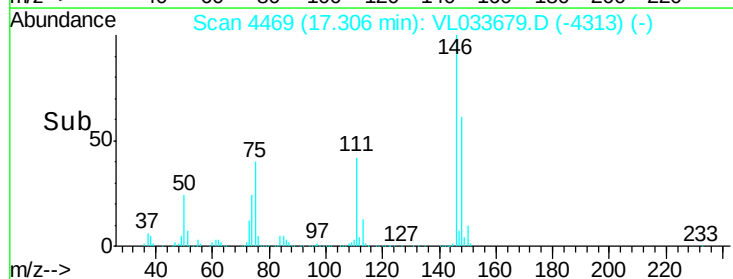
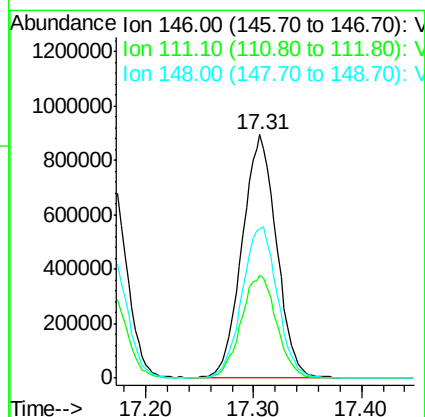
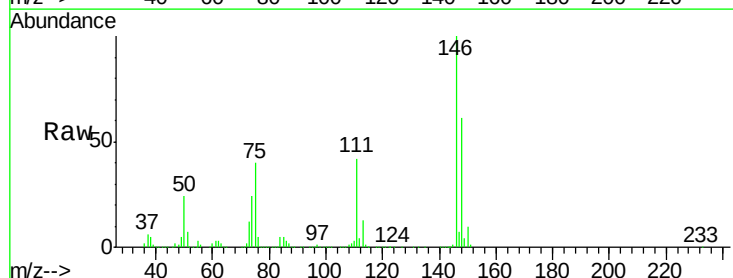
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

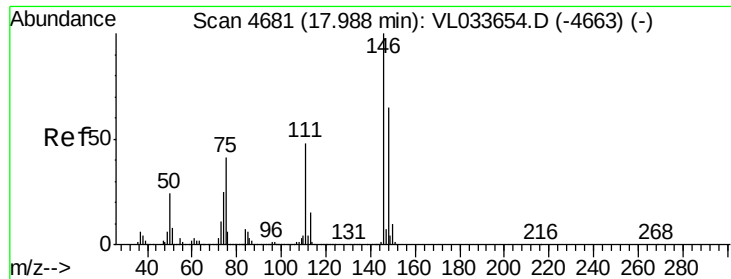
Tot Ion:146 Resp: 1983293
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.6 67.7
 148 63.7 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 9.202 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion:146 Resp: 1978212
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.0 66.0
 148 64.2 32.1 96.5

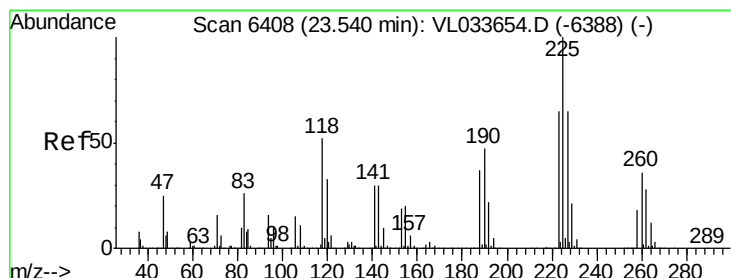
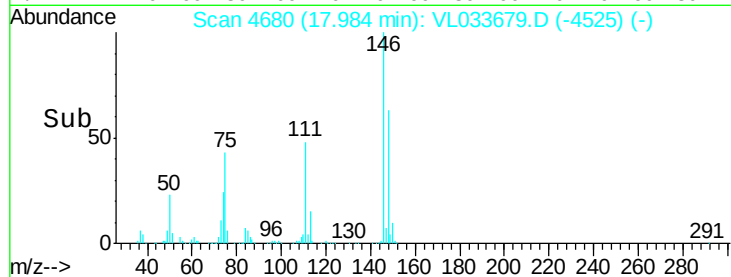
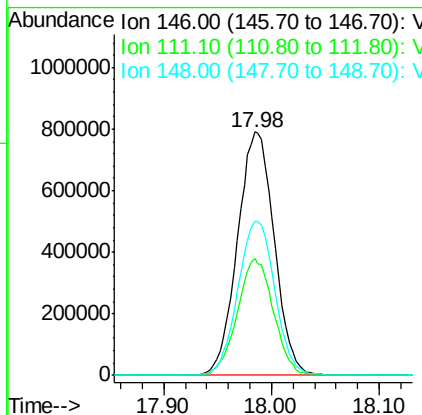
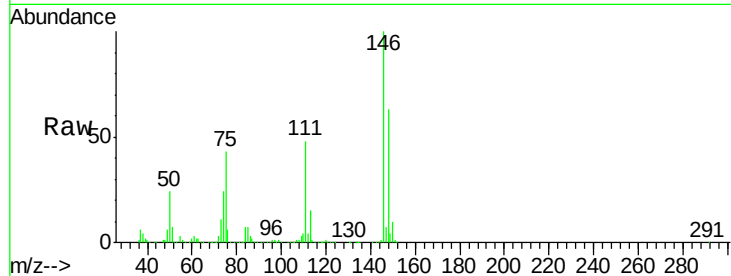




#77
 1,2-Dichlorobenzene
 Concen: 8.934 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

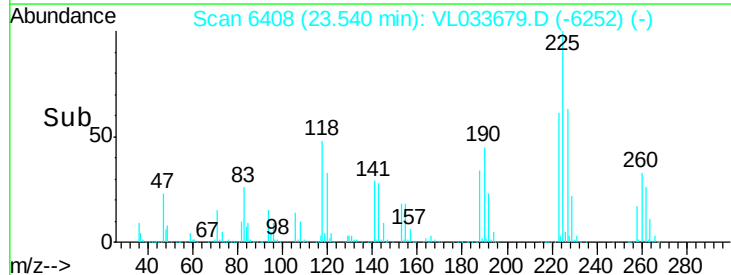
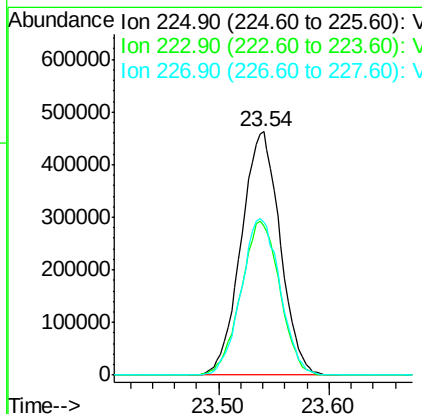
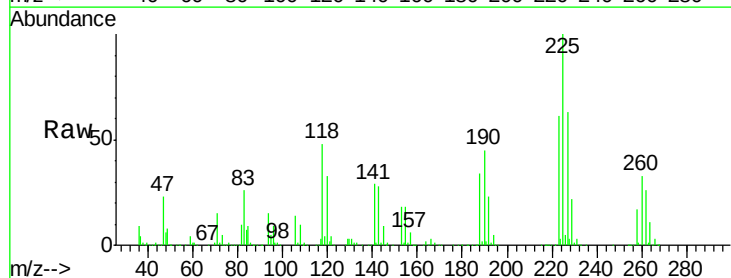
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

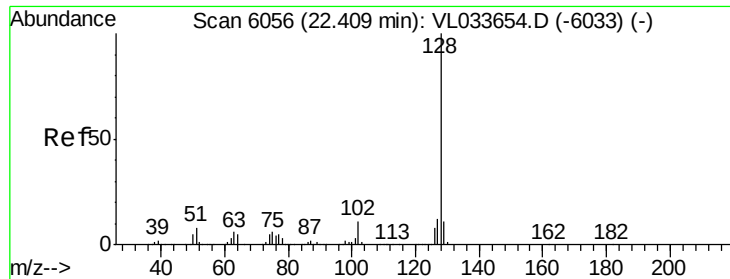
Tot Ion:146 Resp: 1875065
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.4 70.0
 148 63.7 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.785 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Tgt Ion:225 Resp: 1128568
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.7 76.1
 227 64.2 51.4 77.2





#79

Naphthalene

Concen: 8.536 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

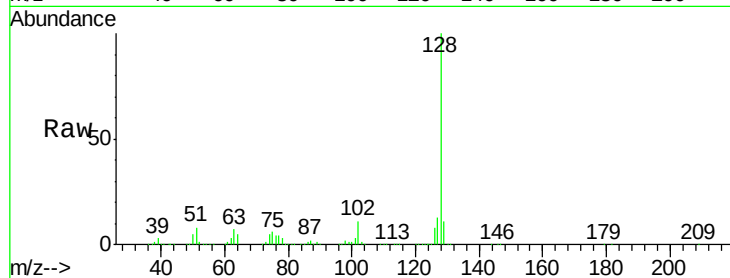
Tot Ion:128 Resp: 2922995

Ion Ratio Lower Upper

128 100

127 13.3 9.8 14.8

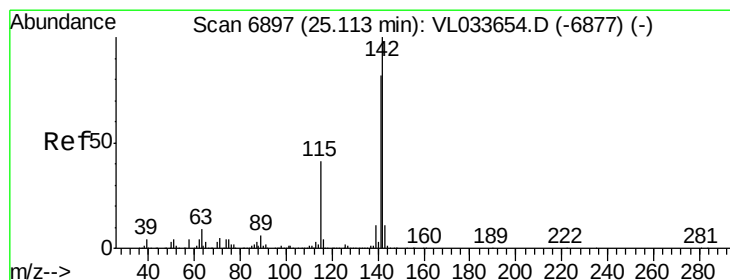
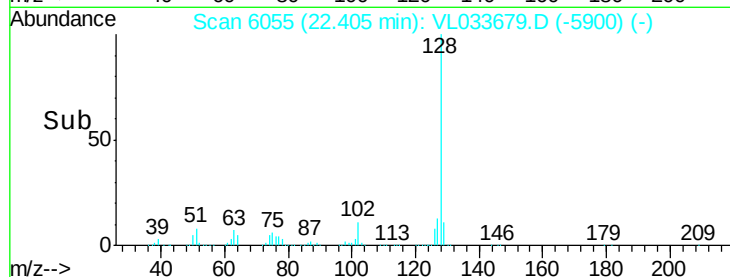
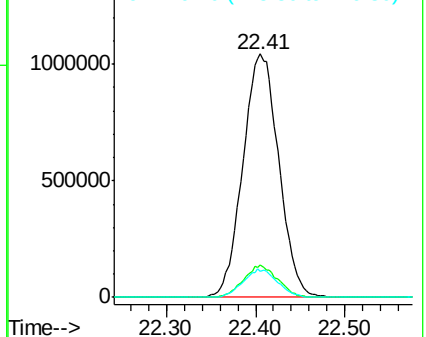
129 10.8 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.557 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

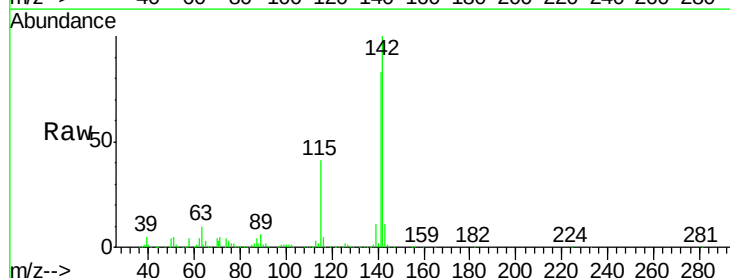
Tgt Ion:142 Resp: 978355

Ion Ratio Lower Upper

142 100

141 85.5 67.9 101.9

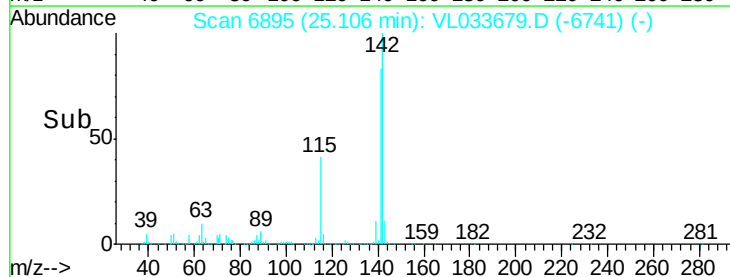
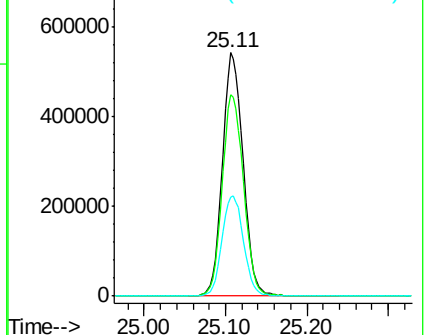
115 42.9 34.2 51.4

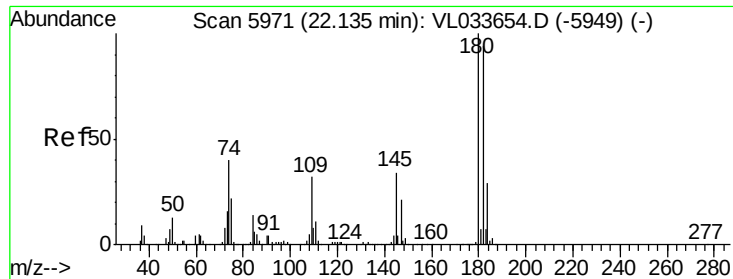


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.147 ppbv

RT: 22.13 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

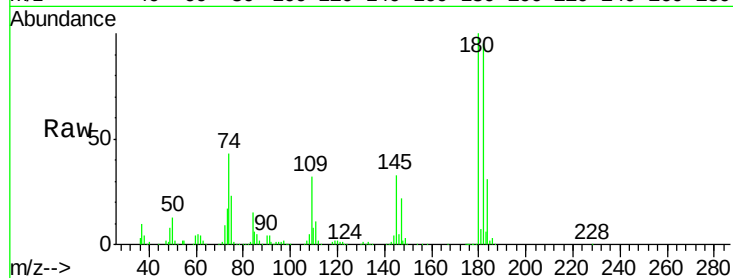
Tot Ion:180 Resp: 1620919

Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.0

184 30.9 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

