

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 02:23:22 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	2972045	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1978941	8.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.20%

Target Compounds					Qvalue
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

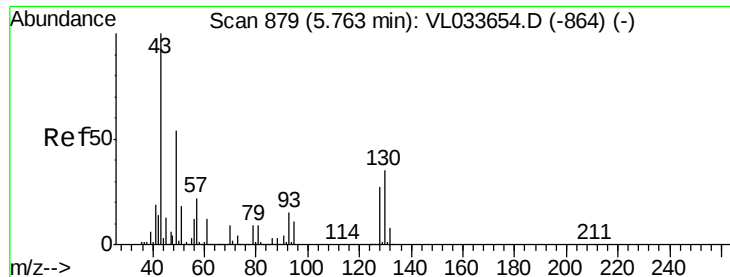
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033679.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	7.992	ppbv	98
57) Chlorobenzene	12.30	112	1895924	7.769	ppbv	99
58) Ethyl Benzene	12.86	91	3389460	8.745	ppbv	99
59) m/p-Xylene	13.15	91	2955749	8.658	ppbv #	37
60) o-Xylene	13.85	91	2852088	8.255	ppbv	100
61) Styrene	13.68	104	2139837	9.302	ppbv	99
62) Isopropylbenzene	14.82	105	3854228	8.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1961903	7.803	ppbv	100
64) n-propylbenzene	15.72	120	1009816	8.284	ppbv	99
65) tert-Butylbenzene	16.91	119	3561194	8.230	ppbv	100
66) Benzyl Chloride	17.15	91	2040959	10.368	ppbv	100
67) sec-Butylbenzene	17.46	105	4969937	8.232	ppbv	100
69) p-Isopropyltoluene	17.81	119	4154022	8.351	ppbv	100
70) n-Butylbenzene	18.71	91	4322132	8.194	ppbv	100
71) 2-Chlorotoluene	15.61	91	2955329	8.480	ppbv	100
72) 4-Ethyltoluene	16.00	105	3375804	8.313	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3232882	8.234	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	3398867	7.788	ppbv	94
75) 1,3-Dichlorobenzene	17.16	146	1983293	7.524	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1978212	7.908	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1875065	7.678	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1128568	5.831	ppbv	100
79) Naphthalene	22.41	128	2922995	7.336	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	978355	6.495	ppbv	100
81) 1,2,4-Trichlorobenzene	22.13	180	1620919	7.002	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

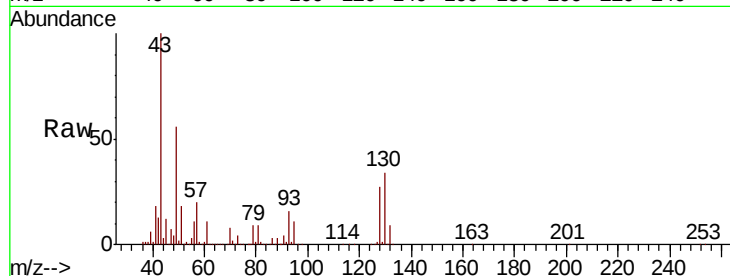
Tgt Ion: 49 Resp: 977081

Ion Ratio Lower Upper

49 100

128 49.9 24.8 74.3

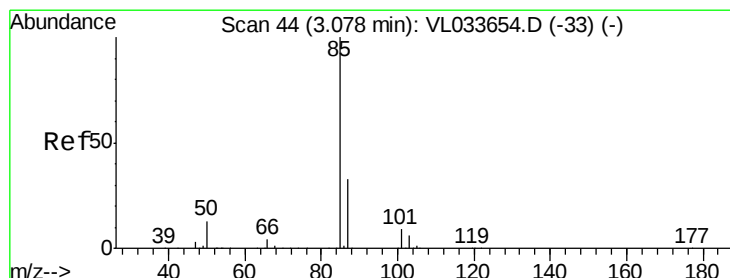
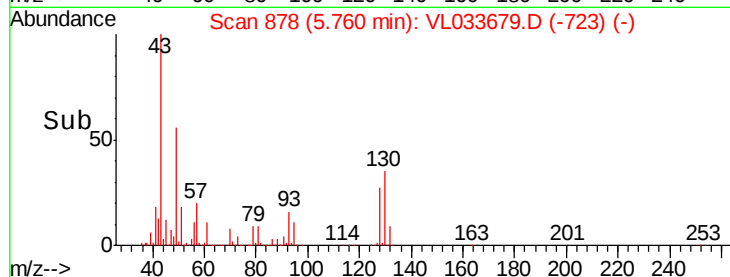
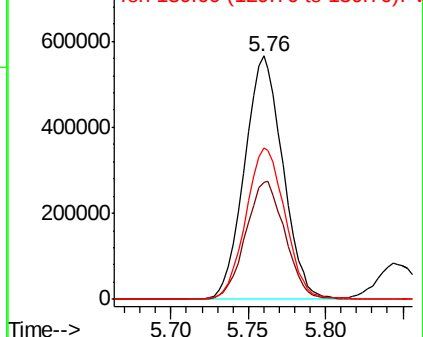
130 63.8 32.1 96.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.349 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.01 min

Lab File: VL033679.D

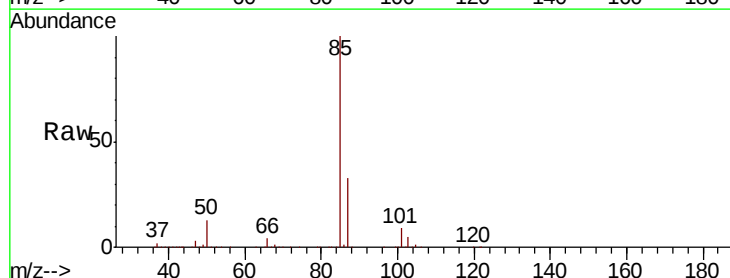
Acq: 7 May 2019 13:01

Tgt Ion: 85 Resp: 1913211

Ion Ratio Lower Upper

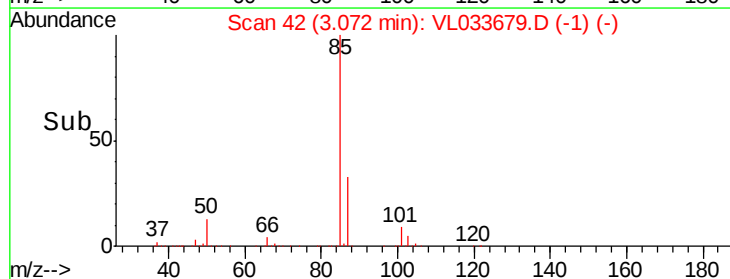
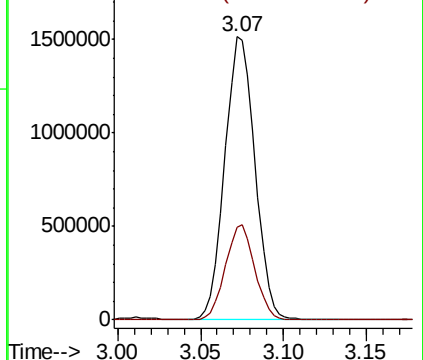
85 100

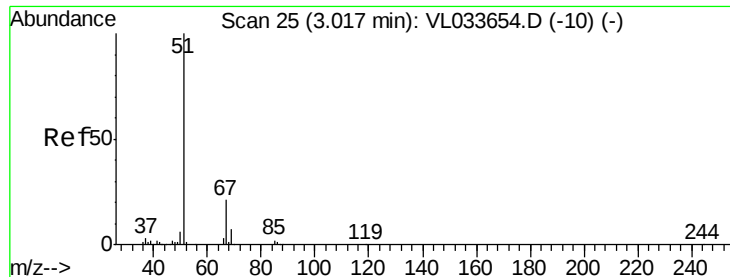
87 32.8 26.0 39.0



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 :

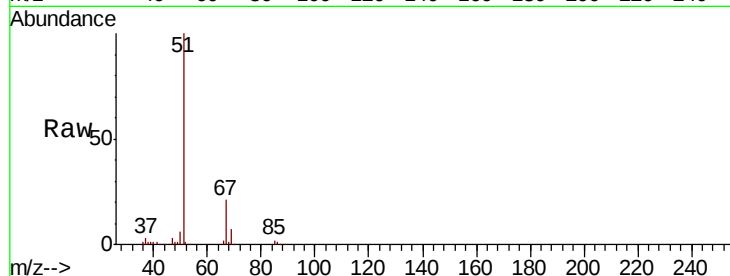
VL0507ABS01

Tgt Ion: 51 Resp: 1168641

Ion Ratio Lower Upper

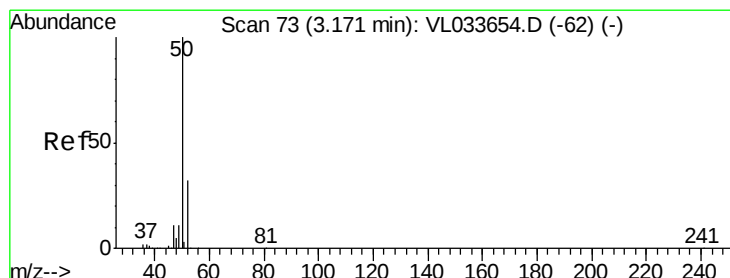
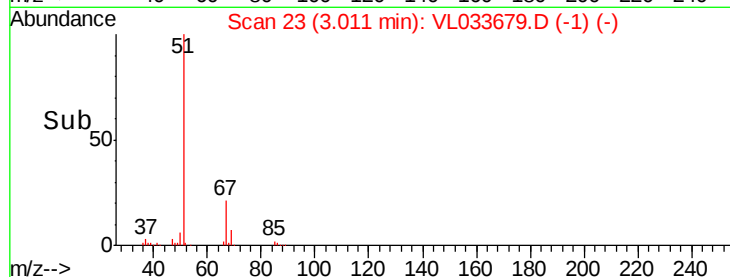
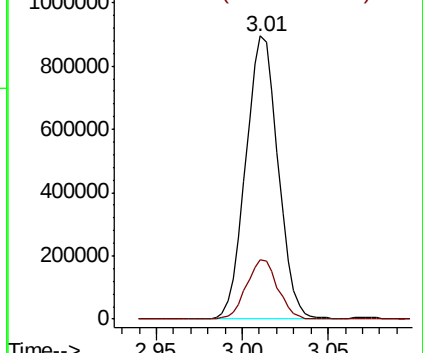
51 100

67 20.2 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.407 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033679.D

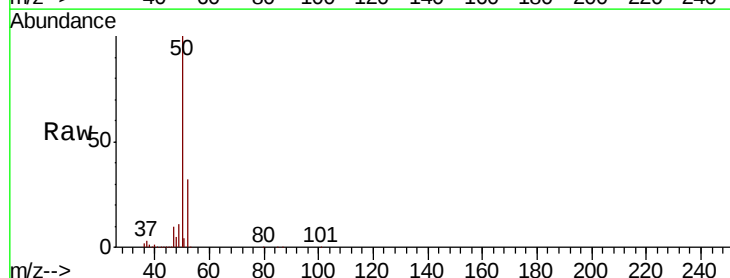
Acq: 7 May 2019 13:01

Tgt Ion: 50 Resp: 616745

Ion Ratio Lower Upper

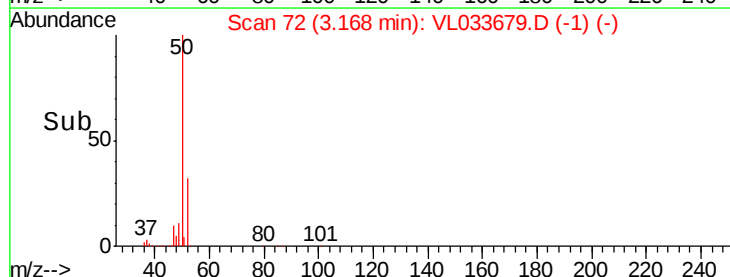
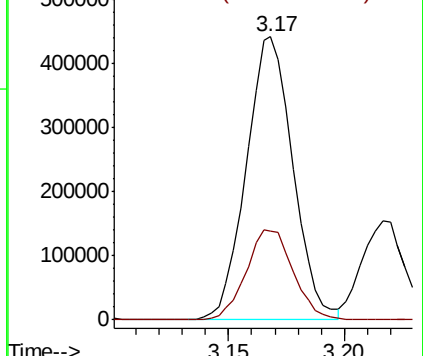
50 100

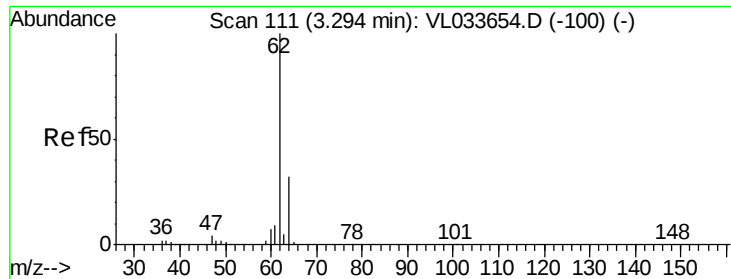
52 31.6 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#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 :

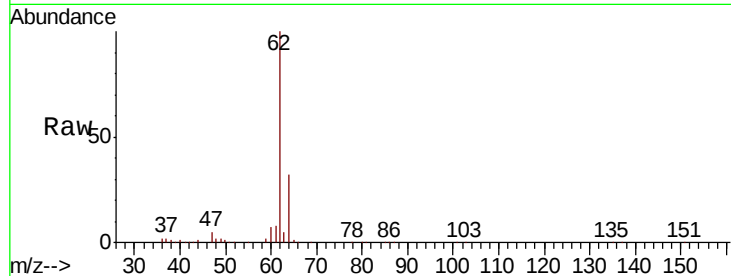
VL0507ABS01

Tgt Ion: 62 Resp: 616926

Ion Ratio Lower Upper

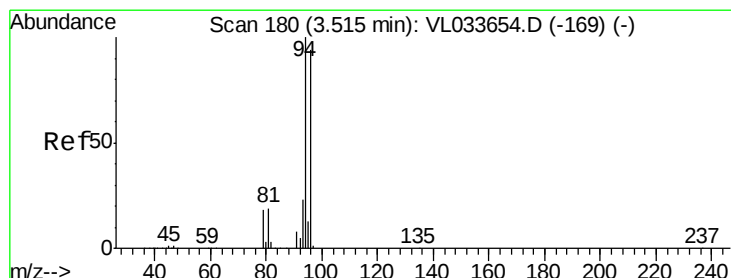
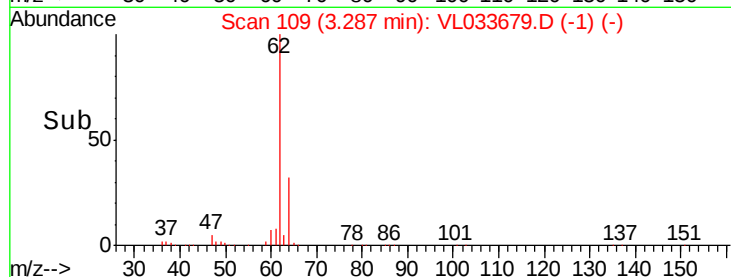
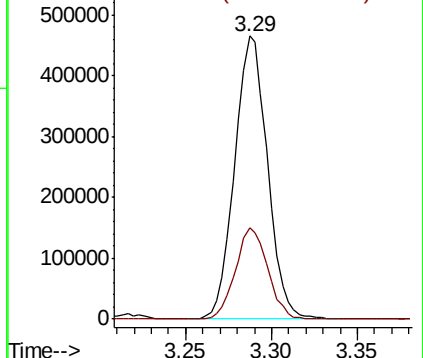
62 100

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

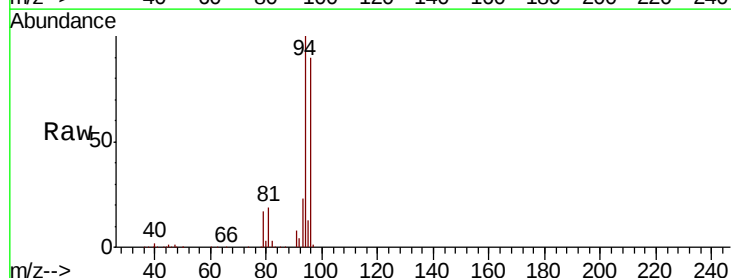
Acq: 7 May 2019 13:01

Tgt Ion: 94 Resp: 399014

Ion Ratio Lower Upper

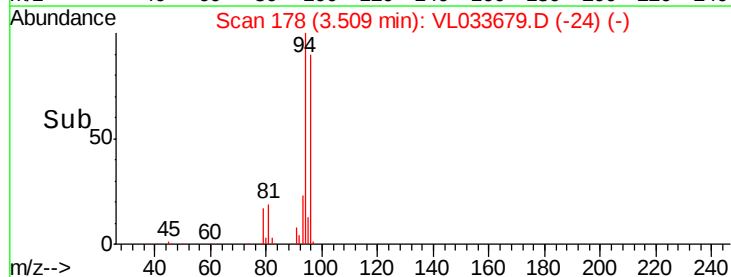
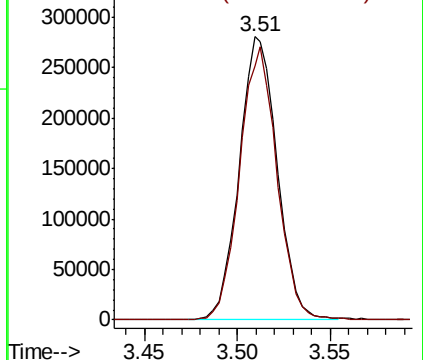
94 100

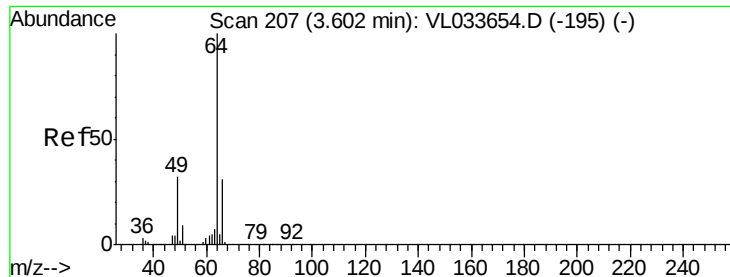
96 89.7 75.2 112.8



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 :

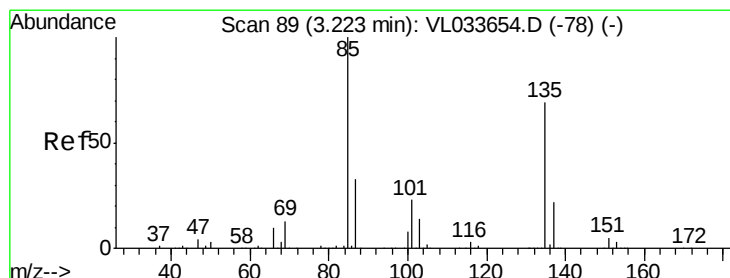
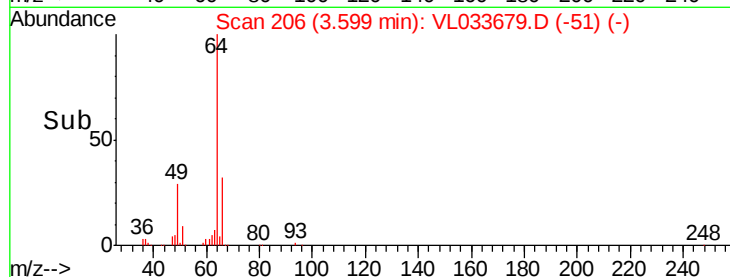
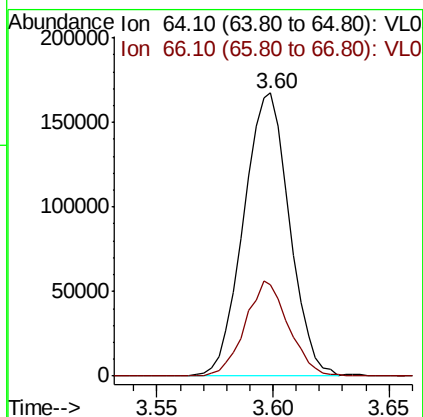
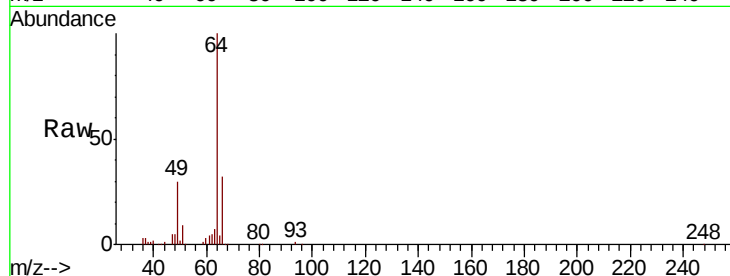
VL0507ABS01

Tgt 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

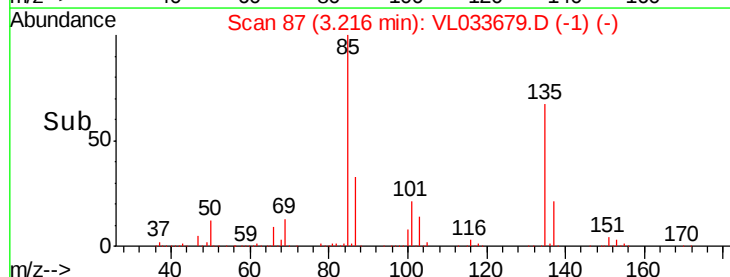
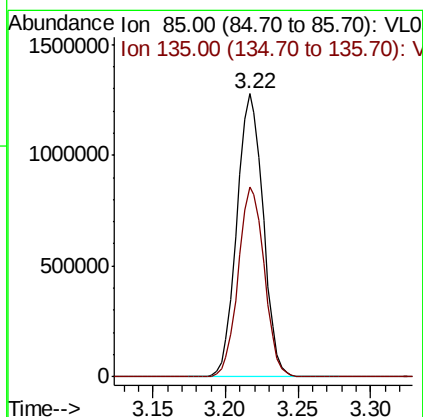
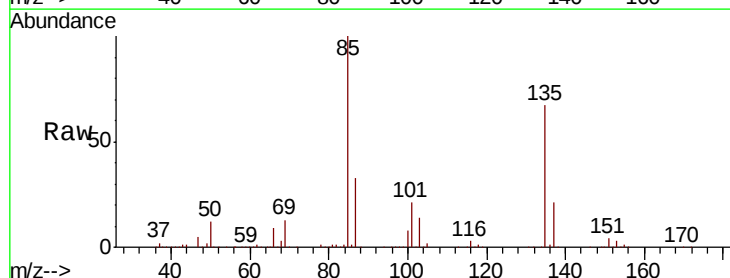
Acq: 7 May 2019 13:01

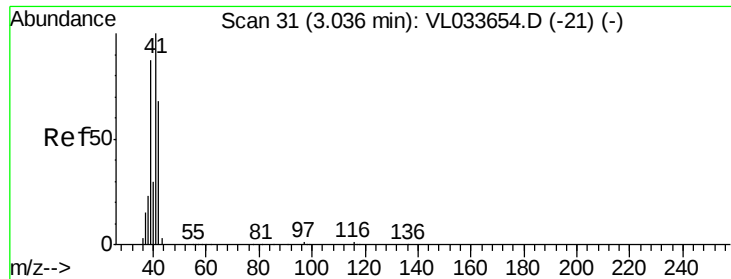
Tgt Ion: 85 Resp: 1604058

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 :

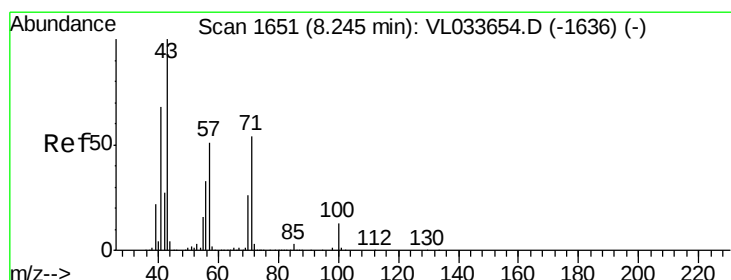
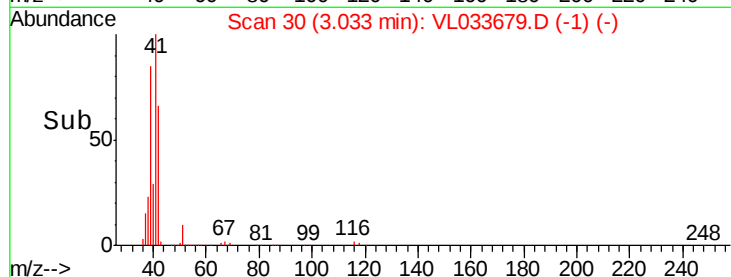
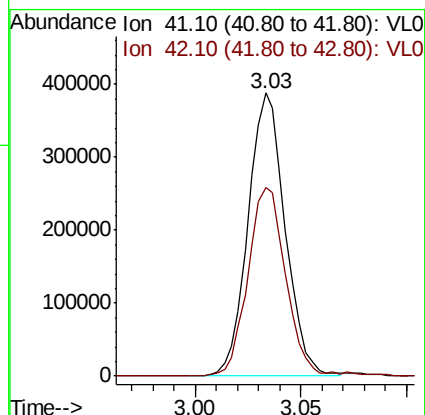
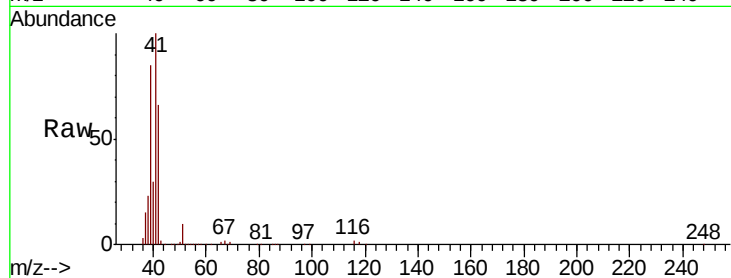
VL0507ABS01

Tgt 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

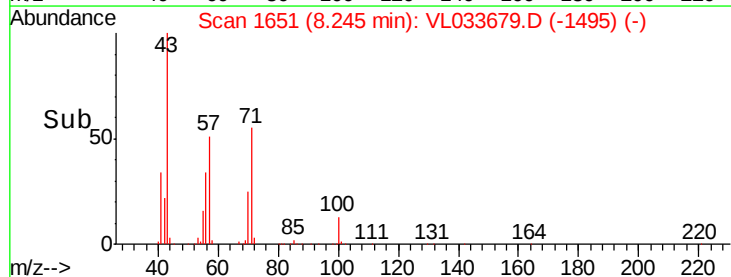
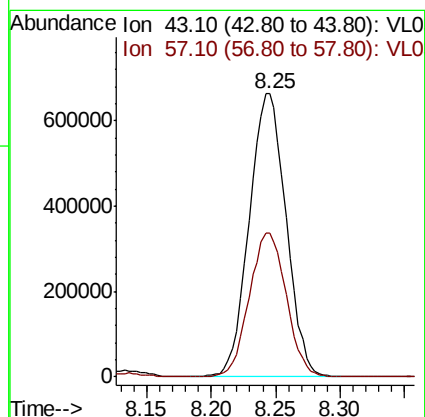
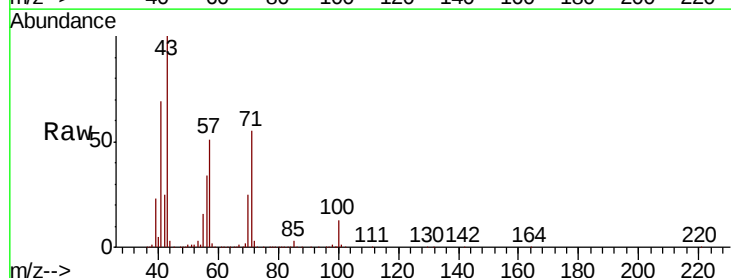
Acq: 7 May 2019 13:01

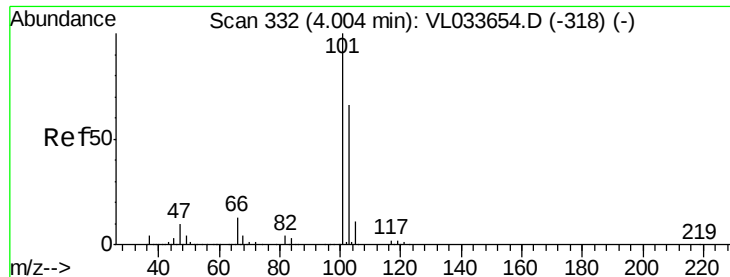
Tgt Ion: 43 Resp: 1314358

Ion Ratio Lower Upper

43 100

57 51.2 41.8 62.6

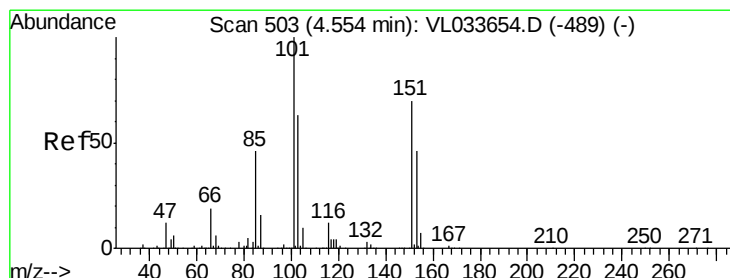
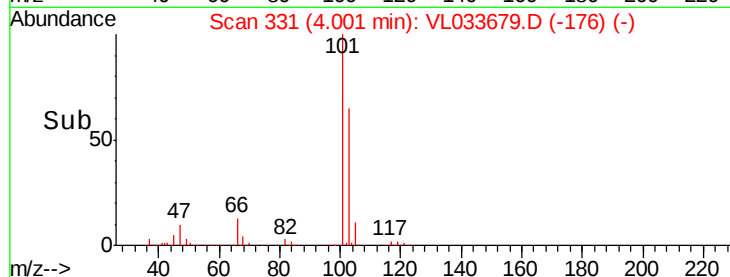
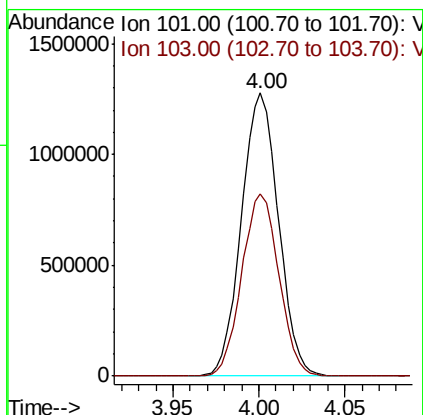
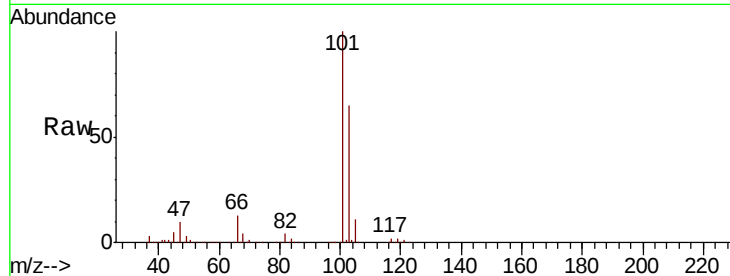




#11
 Trichlorofluoromethane
 Concen: 8.915 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

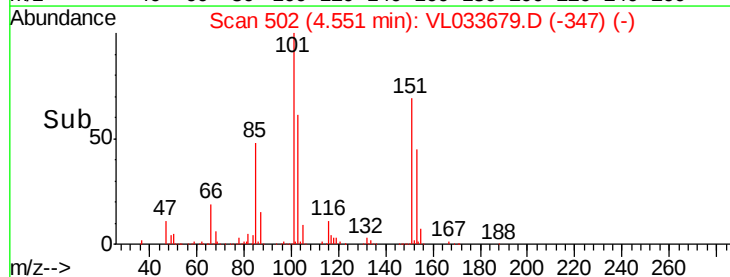
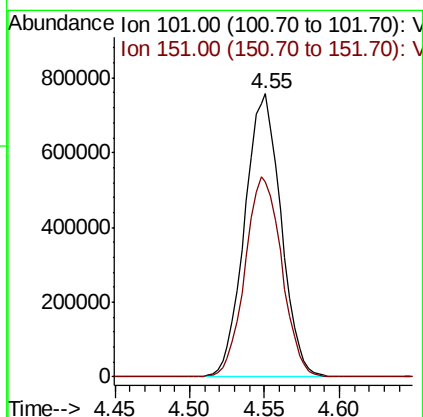
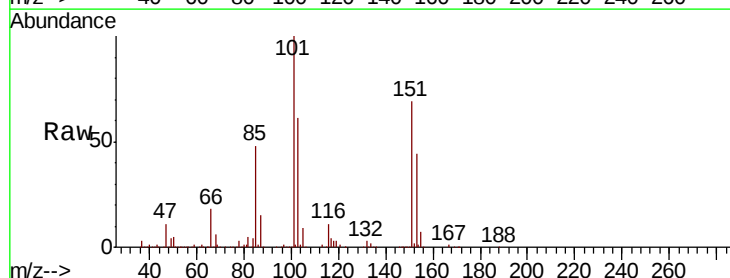
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

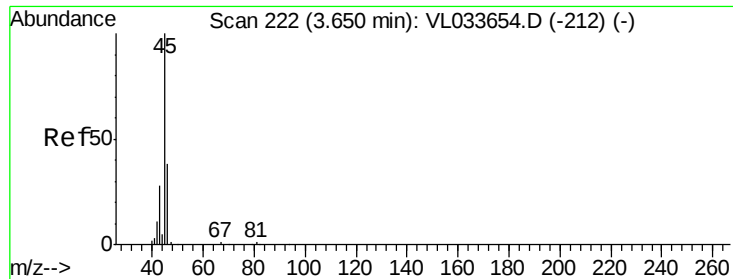
Tgt Ion:101 Resp: 1907661
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.7 79.1



#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

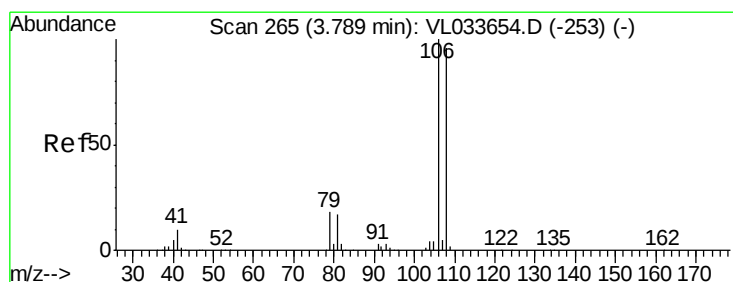
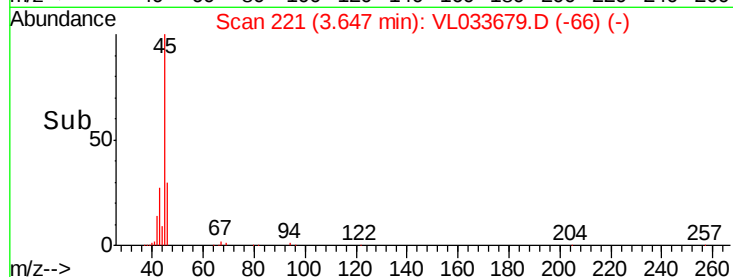
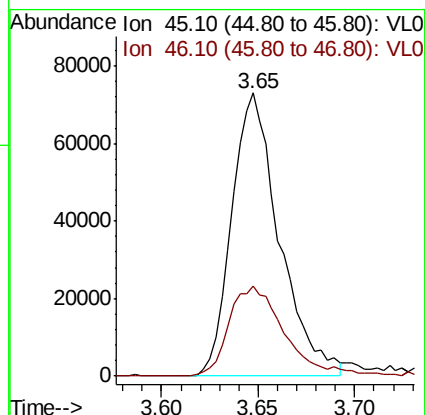
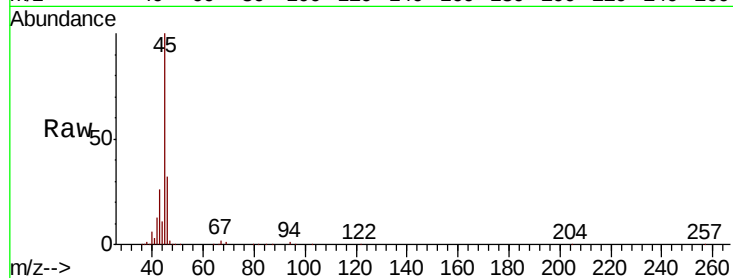




#13
Ethanol
Concen: 7.675 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

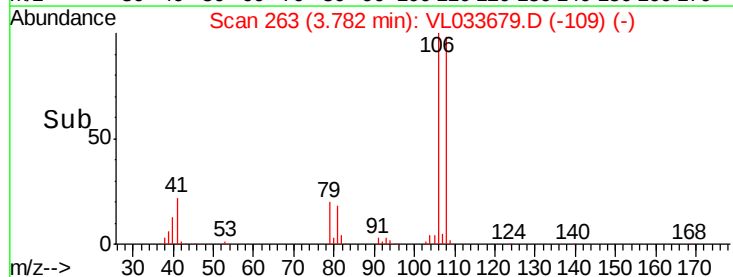
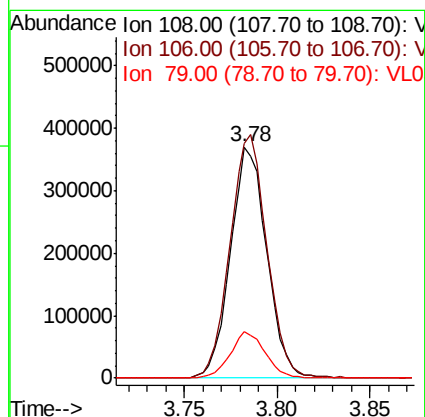
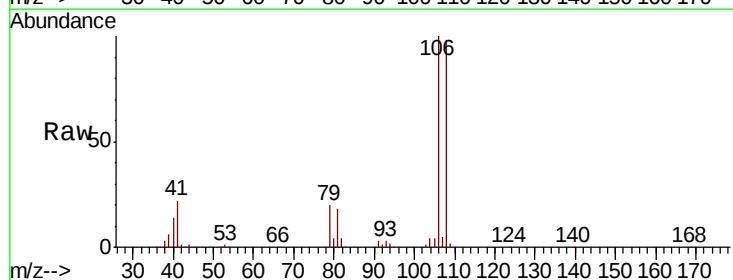
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

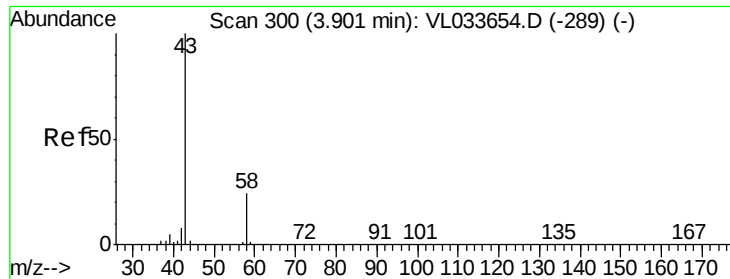
Tgt Ion: 45 Resp: 123927
Ion Ratio Lower Upper
45 100
46 37.5 14.9 59.7



#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 :

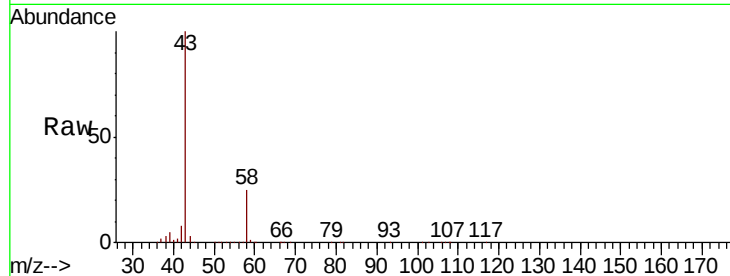
VL0507ABS01

Tgt Ion: 43 Resp: 1218891

Ion Ratio Lower Upper

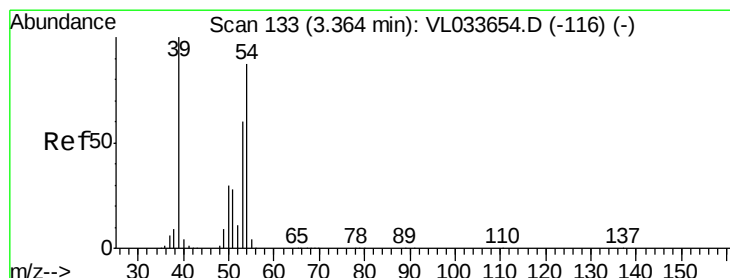
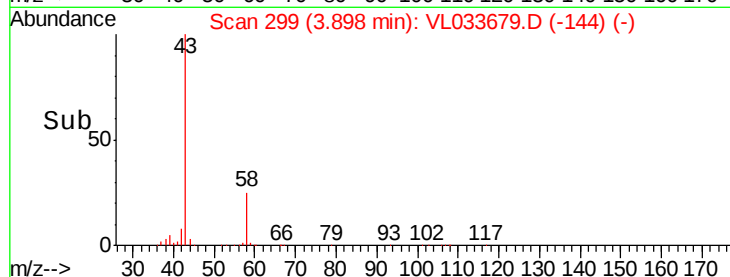
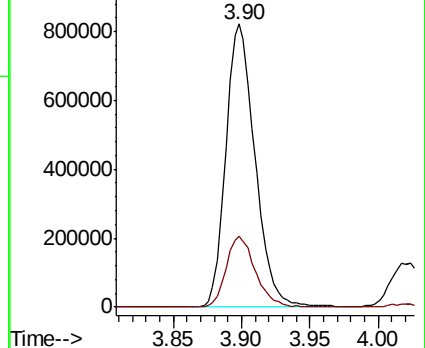
43 100

58 25.2 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.956 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033679.D

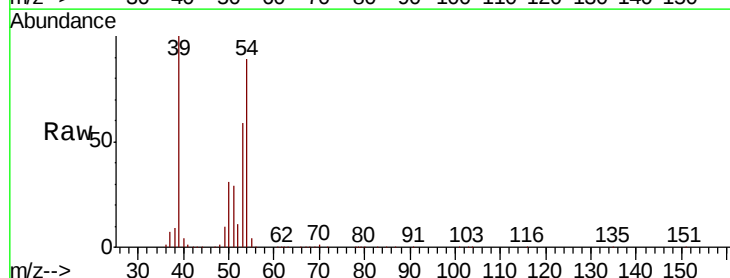
Acq: 7 May 2019 13:01

Tgt Ion: 39 Resp: 558340

Ion Ratio Lower Upper

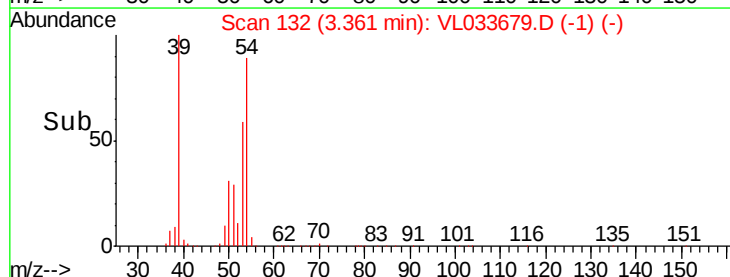
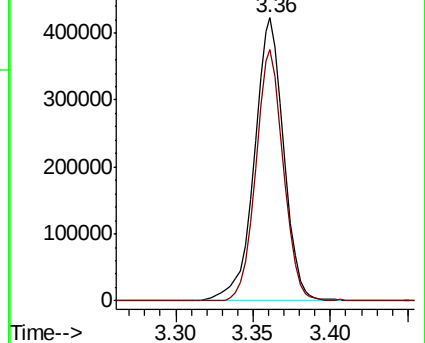
39 100

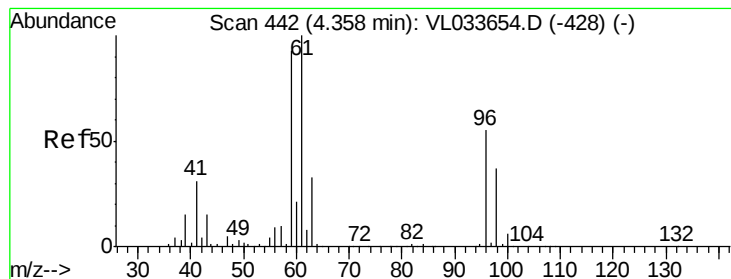
54 83.9 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#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 :

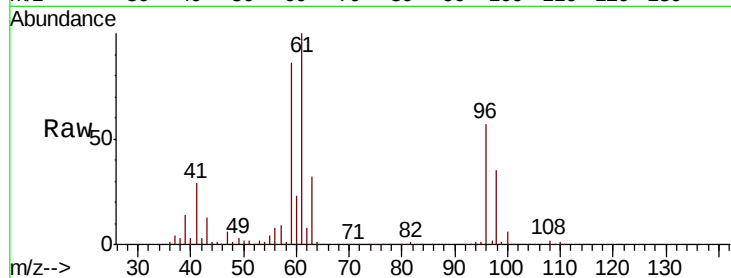
VL0507ABS01

Tgt Ion: 59 Resp: 1087594

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.35

600000

500000

400000

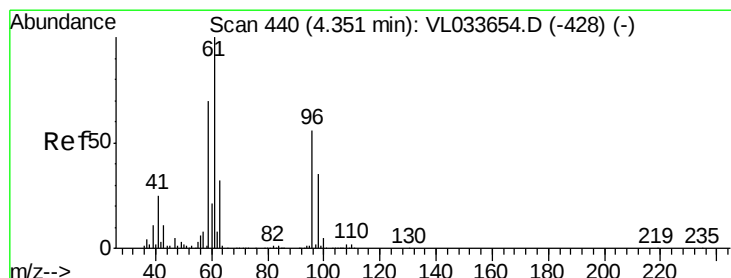
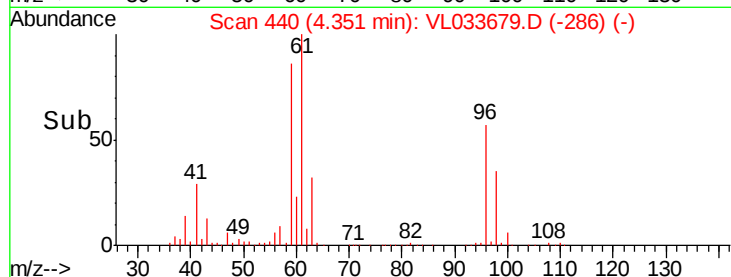
300000

200000

100000

0

Time-->



#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

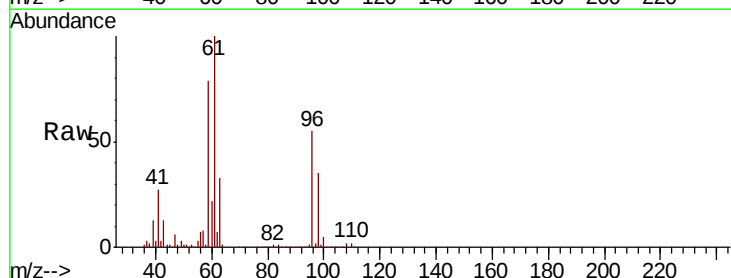
Tgt Ion: 96 Resp: 566728

Ion Ratio Lower Upper

96 100

61 180.4 143.4 215.0

98 63.6 50.4 75.6



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

800000

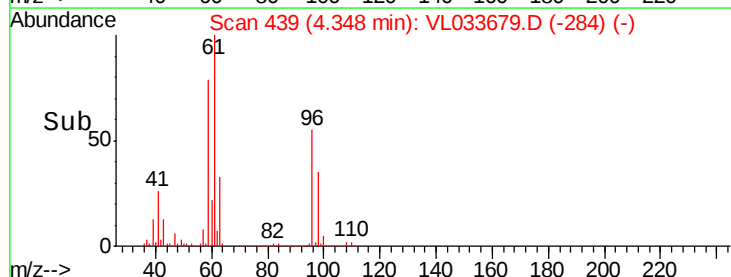
600000

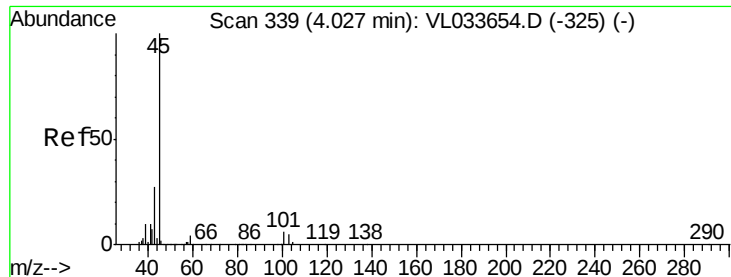
400000

200000

0

Time-->





#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 :

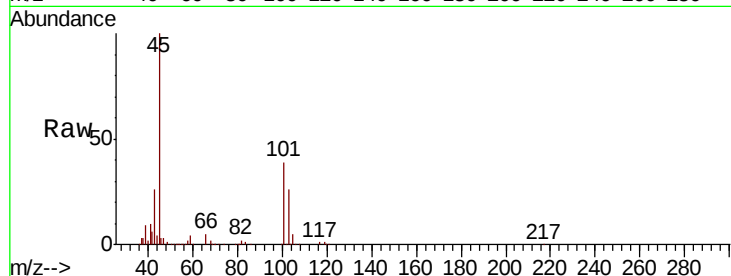
VL0507ABS01

Tgt Ion: 45 Resp: 833388

Ion Ratio Lower Upper

45 100

58 2.5 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

500000

400000

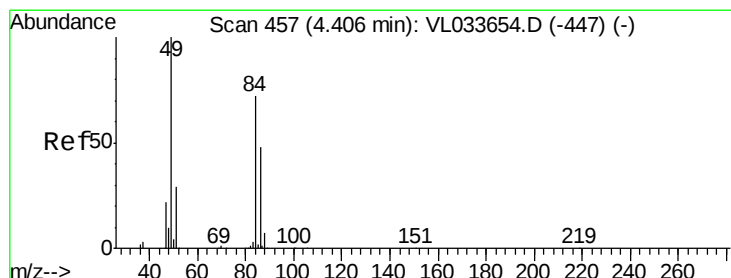
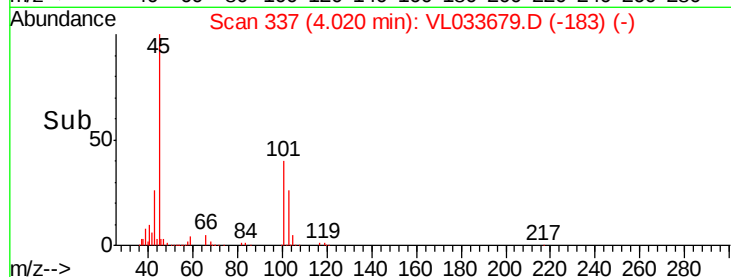
300000

200000

100000

0

Time-->



#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

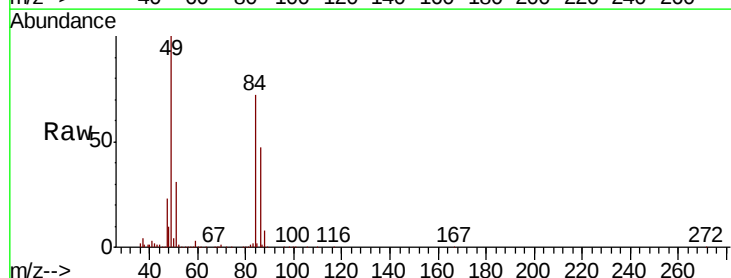
Ion Ratio Lower Upper

84 100

49 137.1 111.8 167.6

51 41.7 32.3 48.5

86 64.9 53.9 80.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

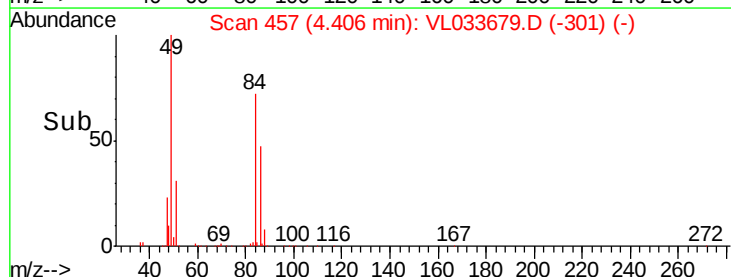
600000

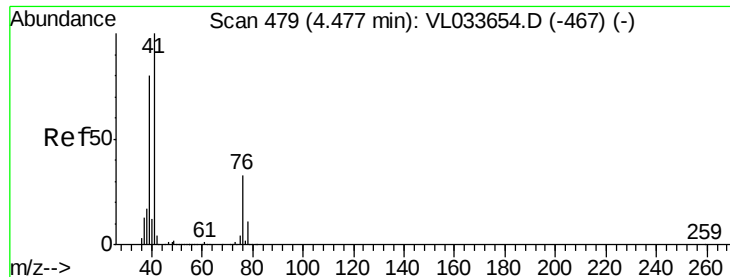
400000

200000

0

Time-->

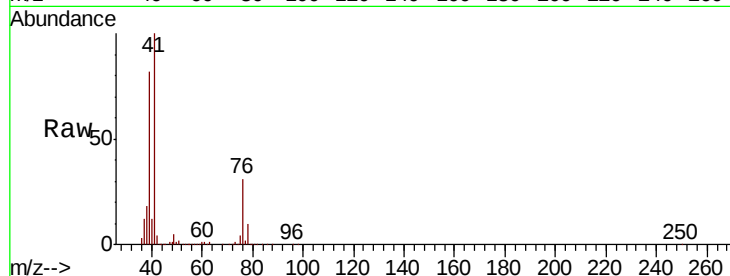




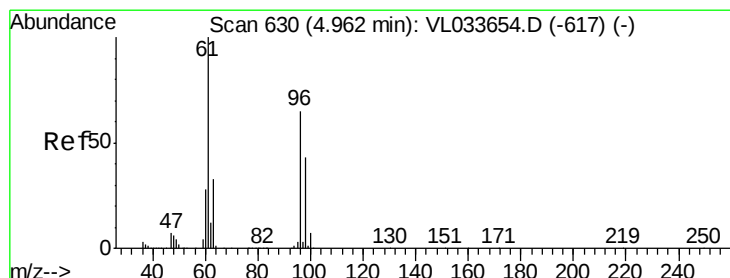
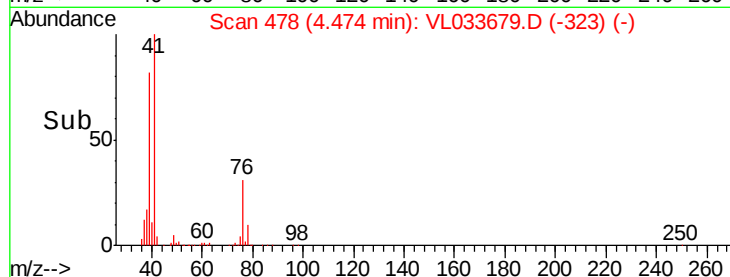
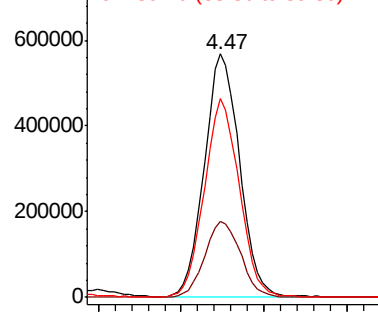
#21
 Allyl Chloride
 Concen: 9.481 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

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

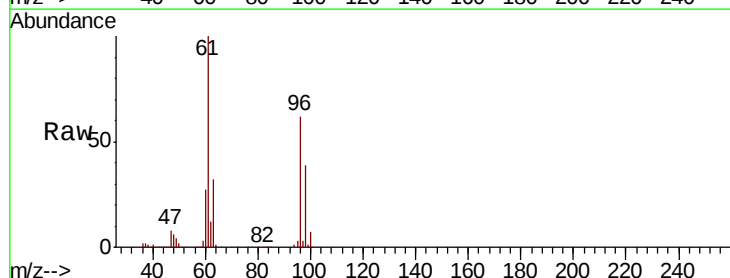


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

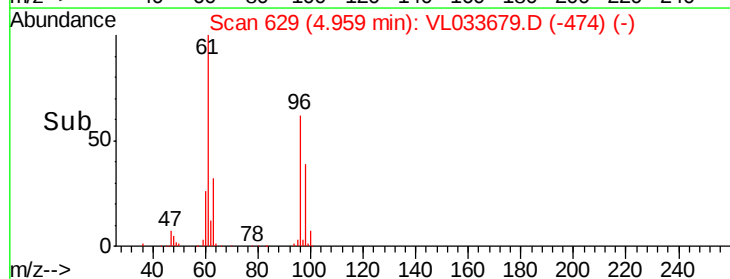
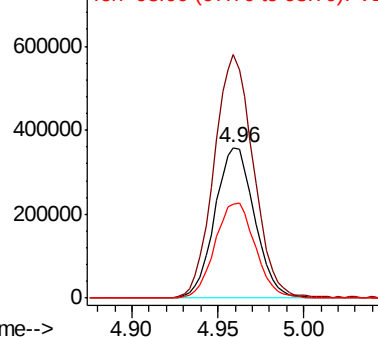


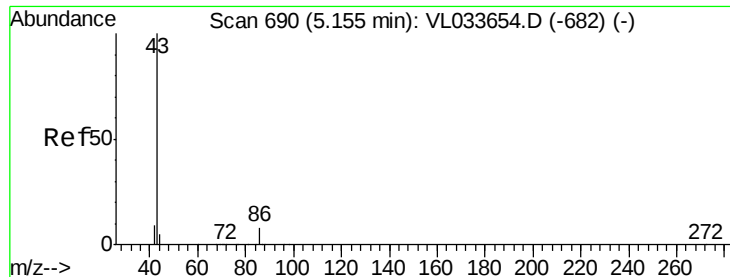
#22
 trans-1,2-Dichloroethene
 Concen: 9.177 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

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

Tgt Ion: 43 Resp: 1866109

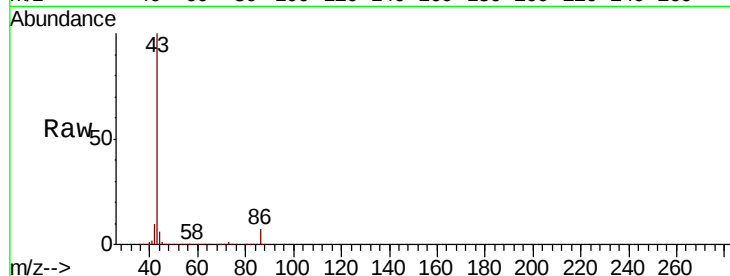
Ion Ratio Lower Upper

43 100

86 7.1 6.0 9.0

42 9.8 8.0 12.0

44 5.4 3.9 5.9

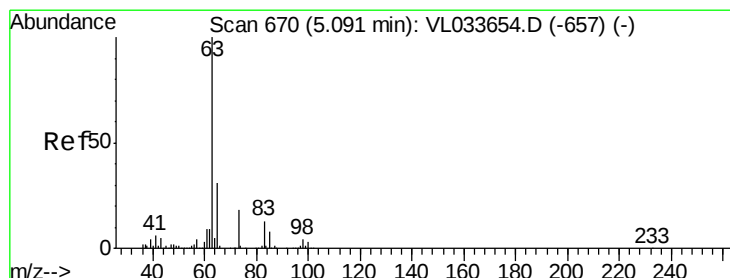
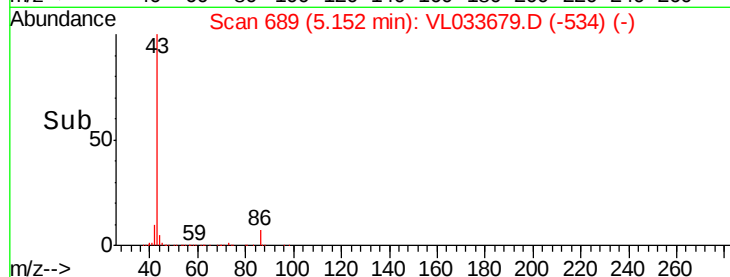
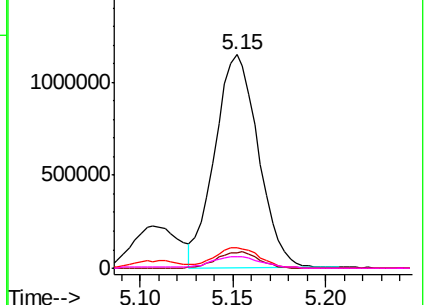


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

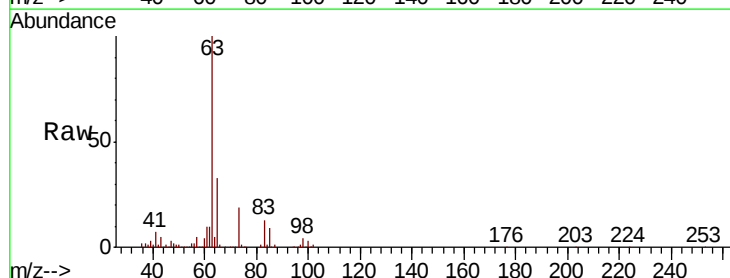
Tgt Ion: 63 Resp: 1276397

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.2

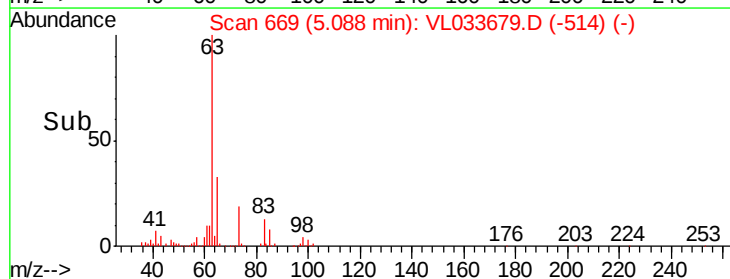
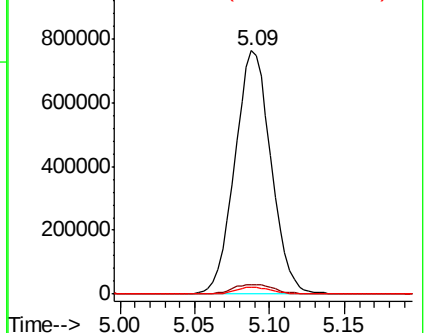
100 3.1 1.5 4.4

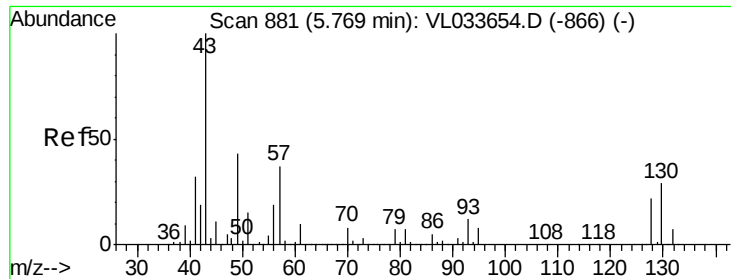


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



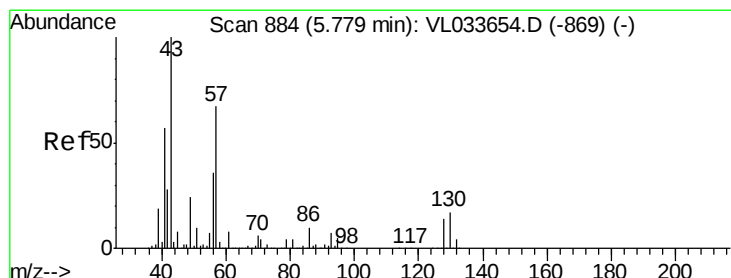
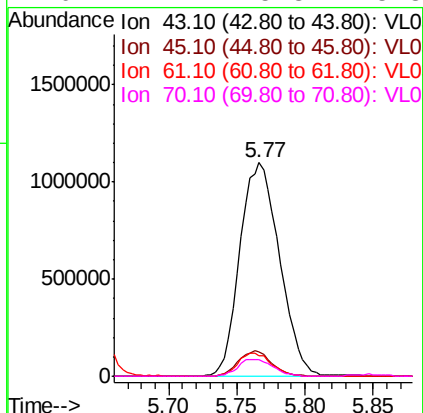
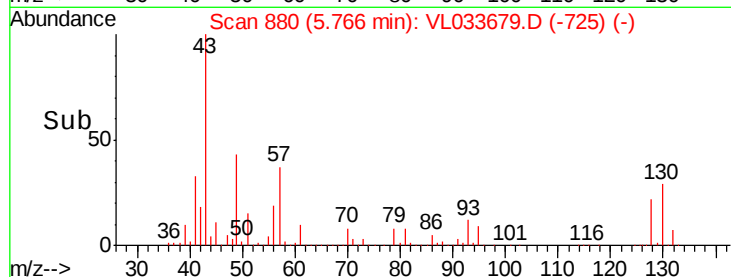
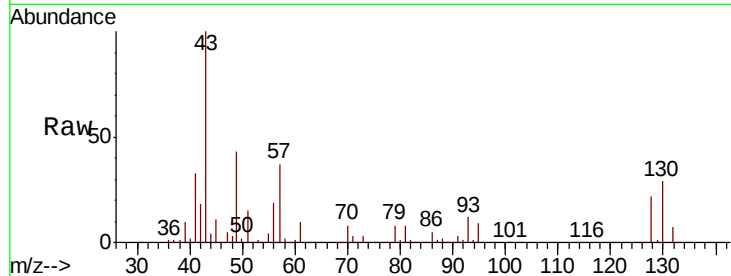


#25
Ethyl Acetate
Concen: 9.367 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tgt Ion: 43 Resp: 2215193

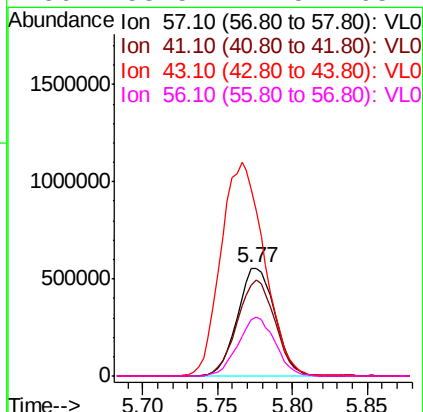
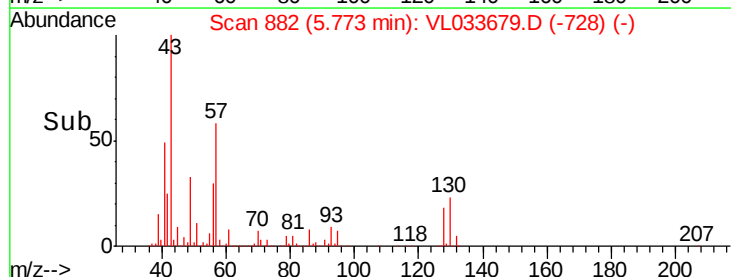
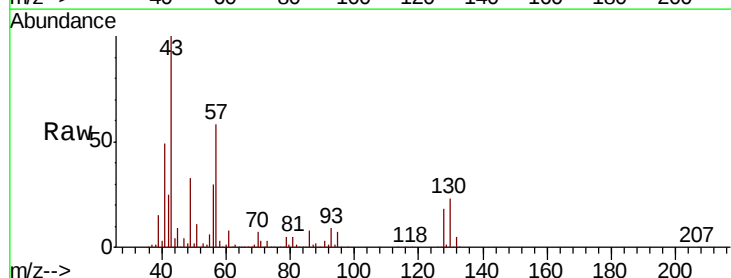
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.5	7.5	11.3
70	7.1	5.8	8.8

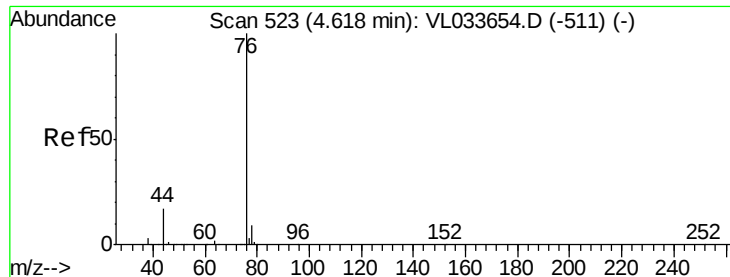


#26
Hexane
Concen: 9.570 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

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

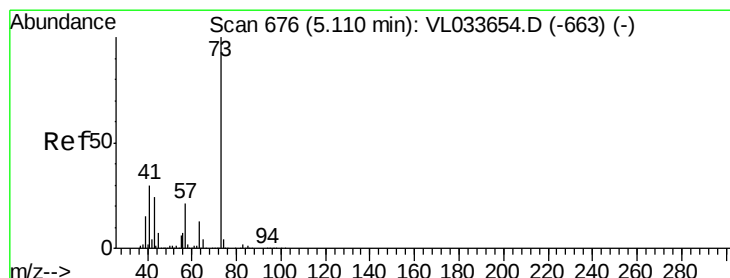
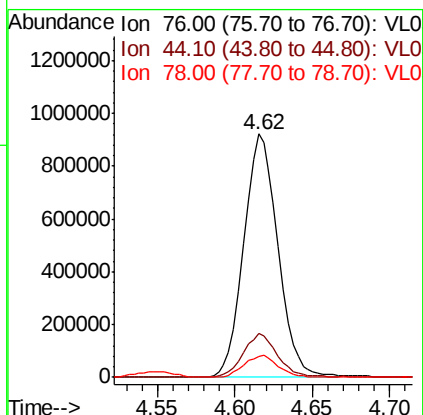
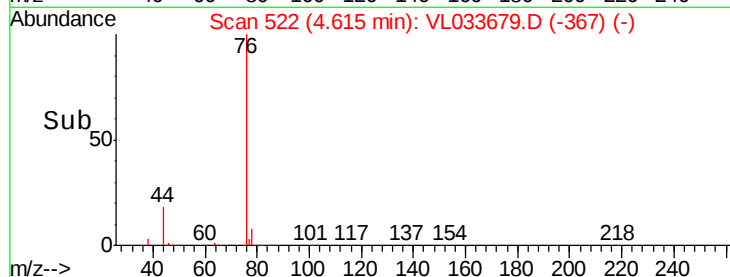
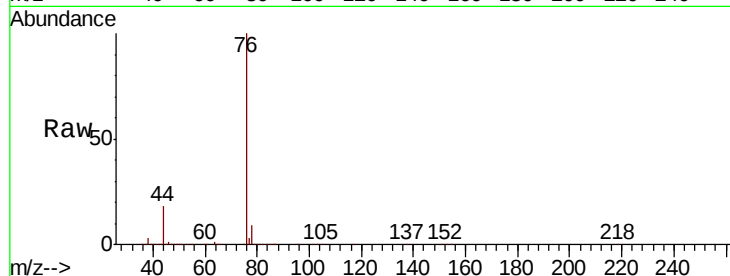




#27
Carbon Disulfide
Concen: 10.171 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

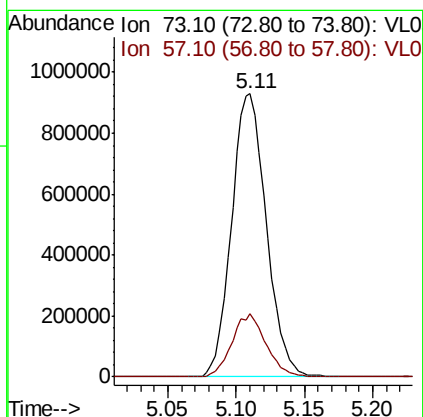
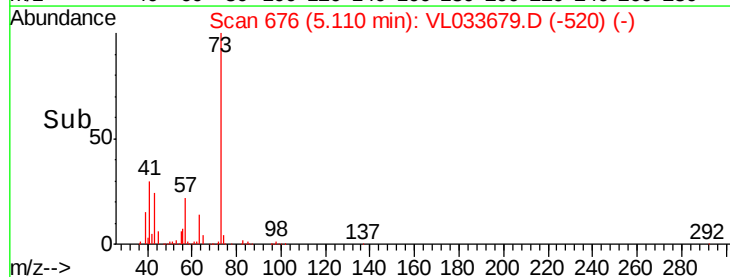
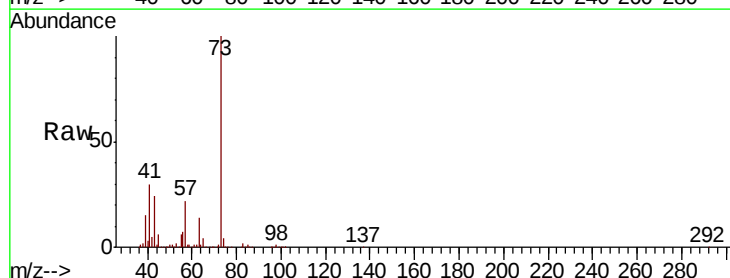
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

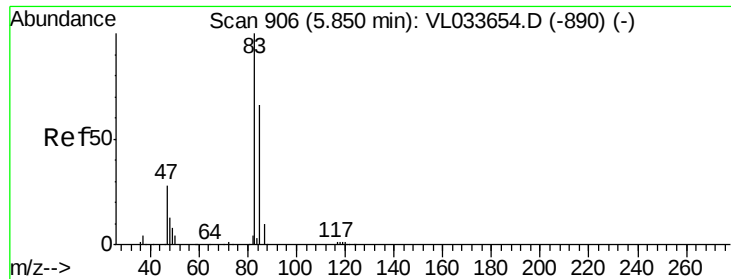
Tgt Ion: 76 Resp: 1414286
Ion Ratio Lower Upper
76 100
44 17.9 14.4 21.6
78 9.3 7.4 11.2



#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

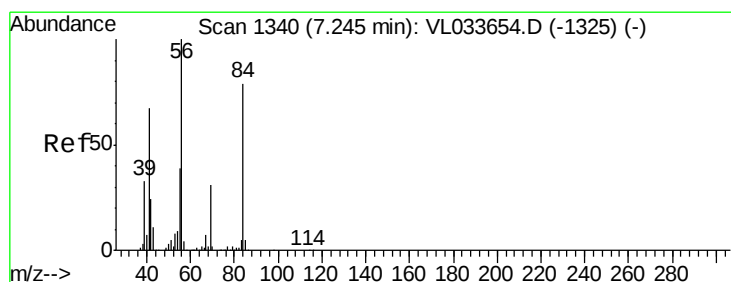
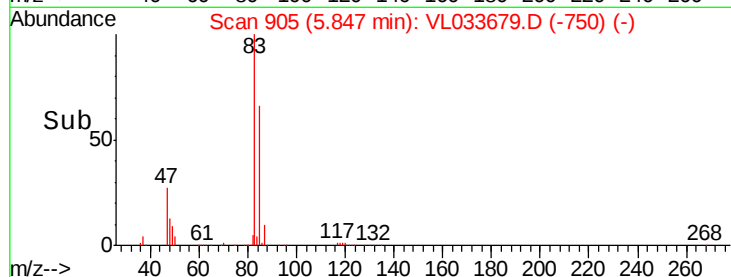
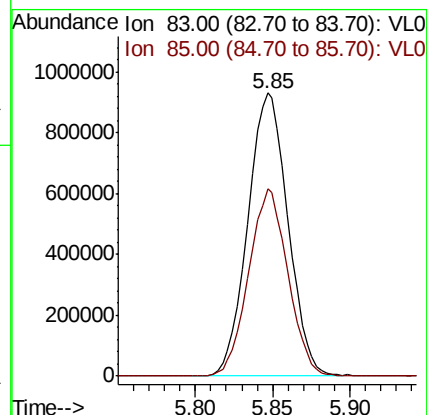
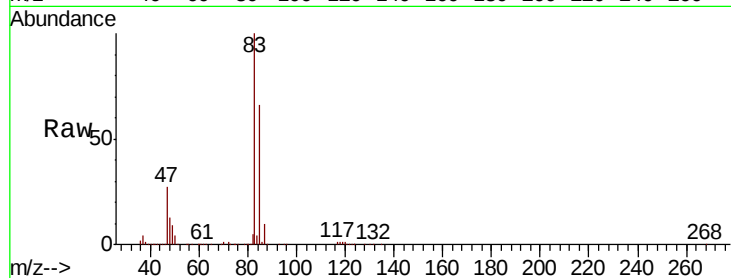




#29
Chloroform
Concen: 9.178 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

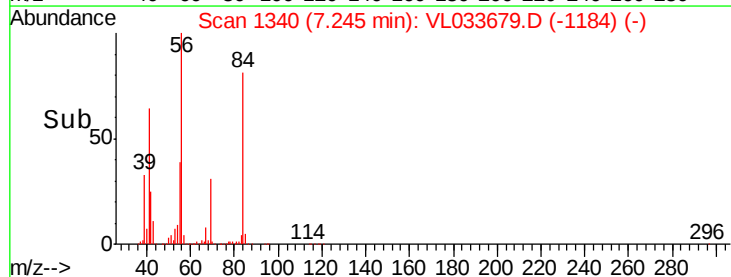
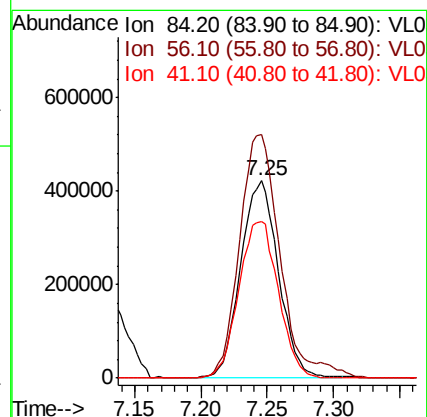
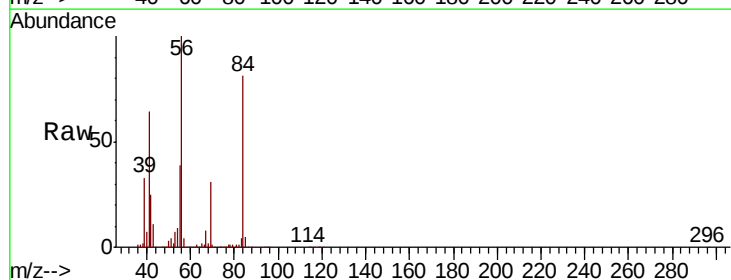
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

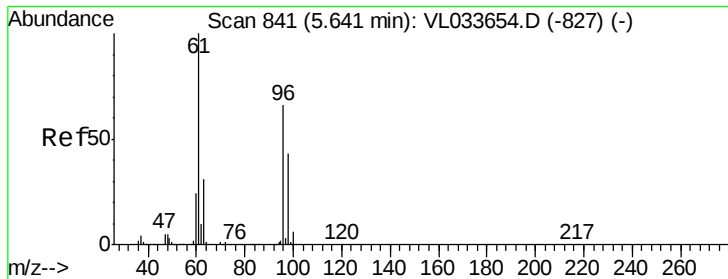
Tgt Ion: 83 Resp: 1677571
Ion Ratio Lower Upper
83 100
85 66.2 52.6 78.8



#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



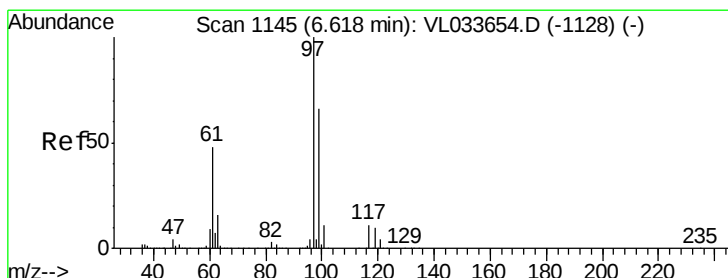
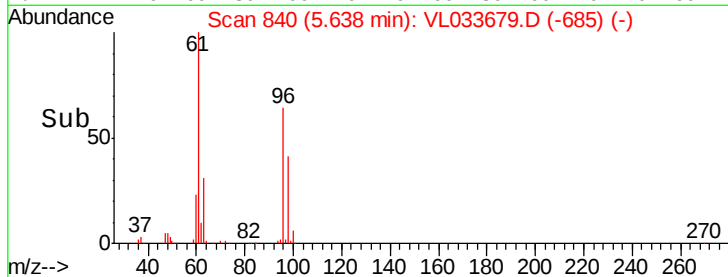
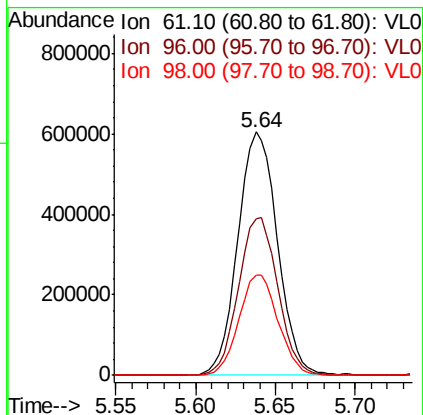
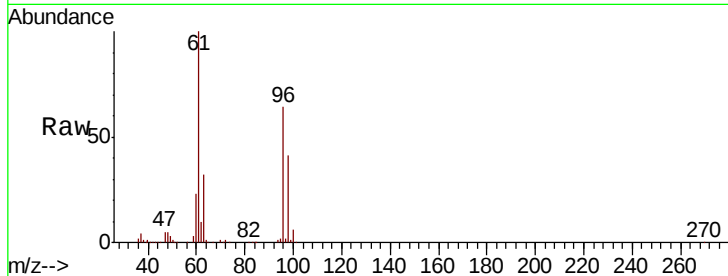


#31

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

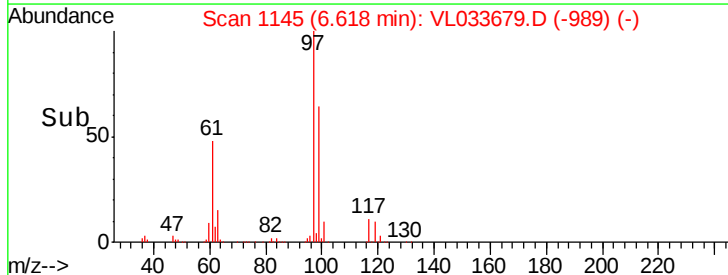
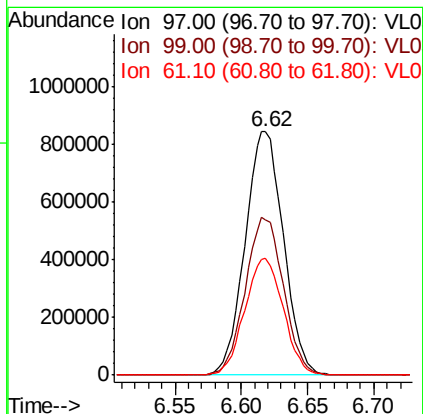
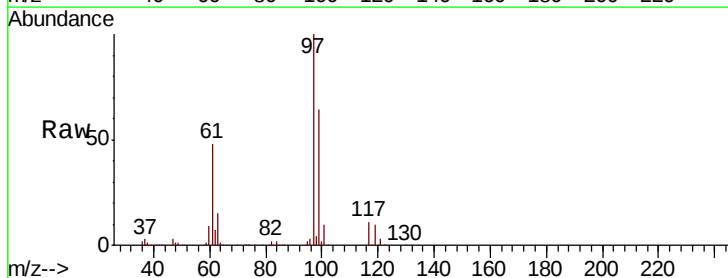
Tgt Ion: 61 Resp: 1017104
 Ion Ratio Lower Upper
 61 100
 96 64.1 53.2 79.8
 98 41.2 34.2 51.4

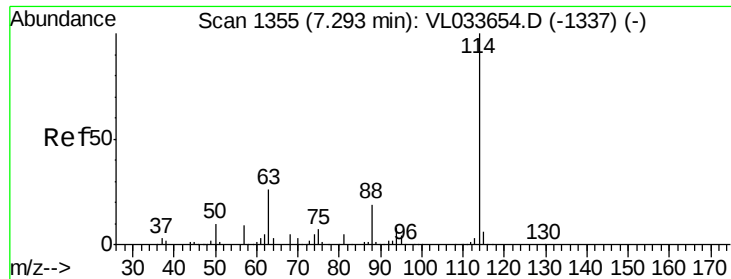


#32

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

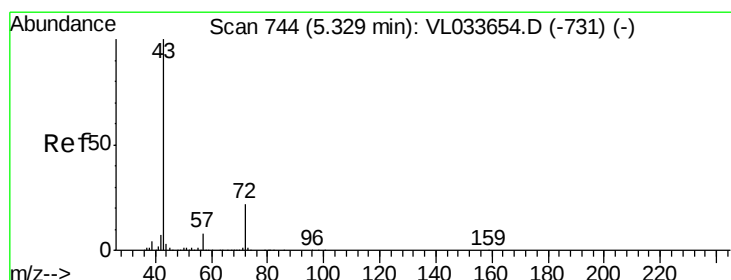
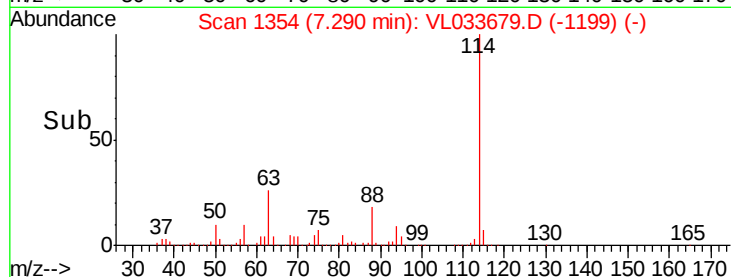
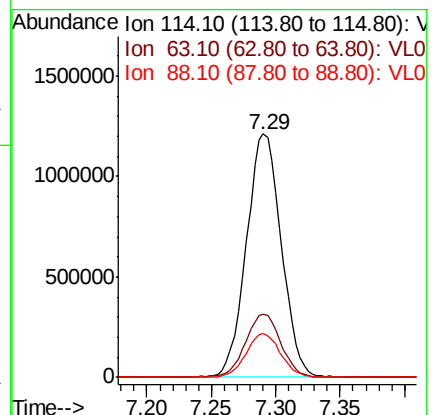
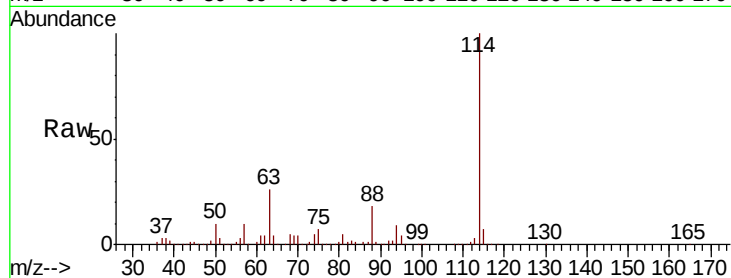




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

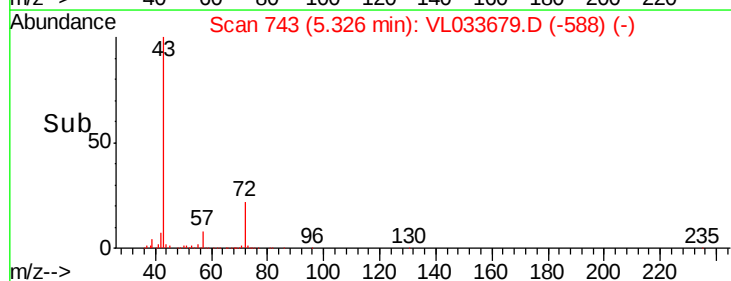
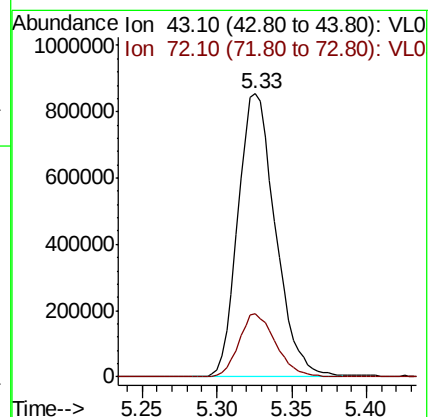
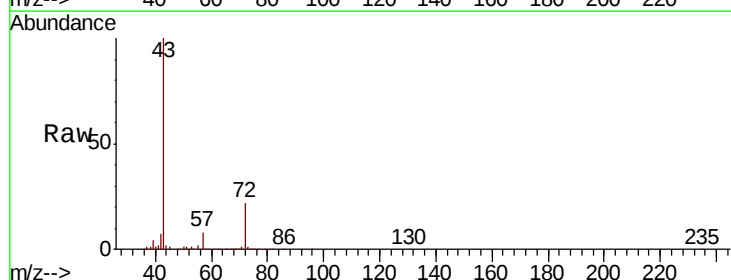
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

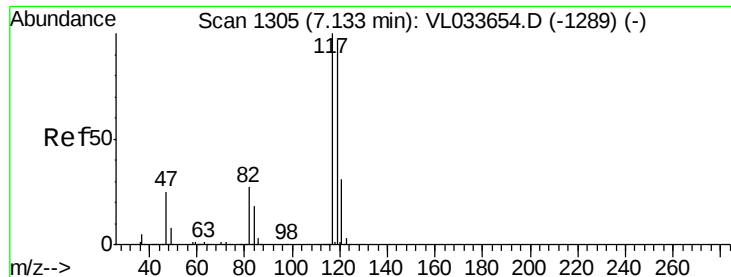
Tgt Ion:114 Resp: 2287307
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.3 31.9
 88 17.9 14.4 21.6



#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

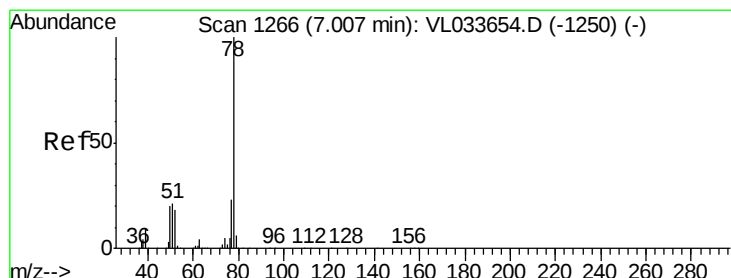
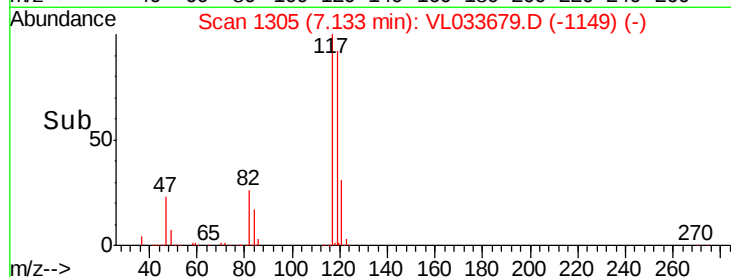
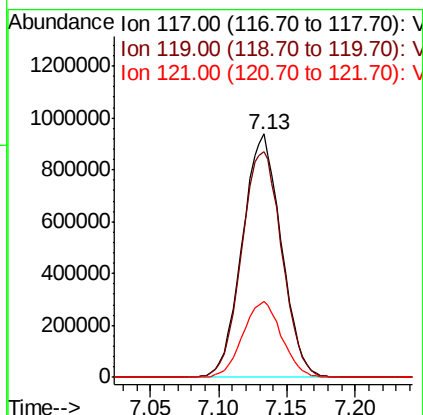
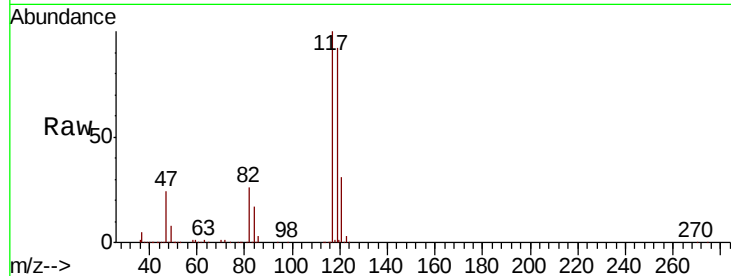




#35
Carbon Tetrachloride
Concen: 9.871 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

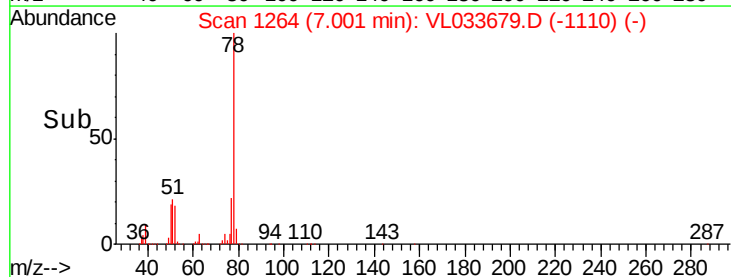
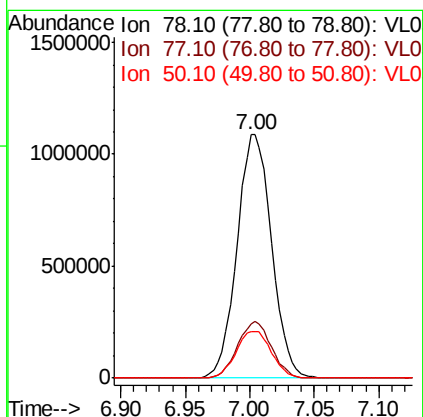
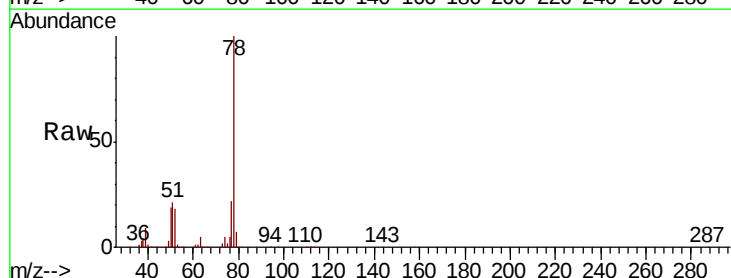
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

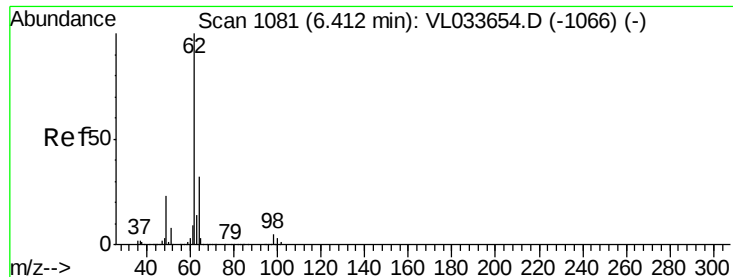
Tgt Ion: 117 Resp: 1855528
Ion Ratio Lower Upper
117 100
119 92.4 77.9 116.9
121 31.3 25.0 37.6



#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 :

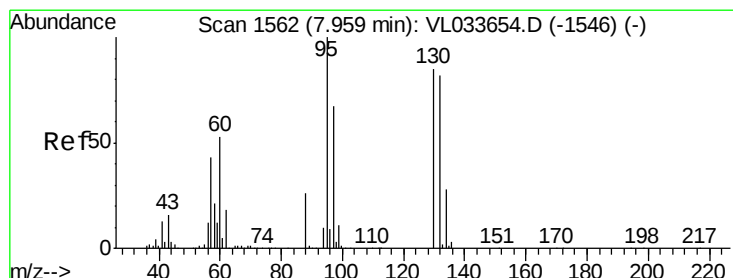
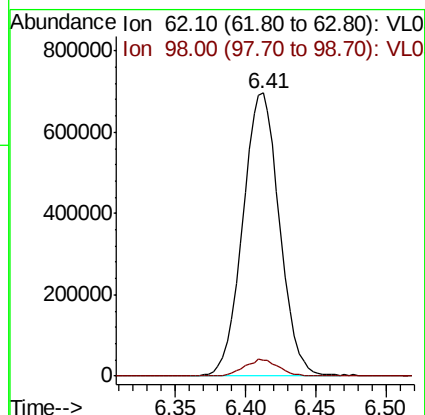
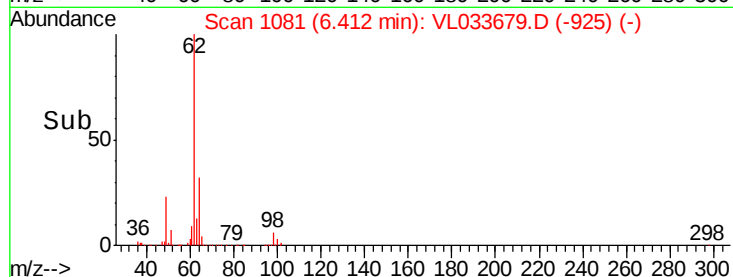
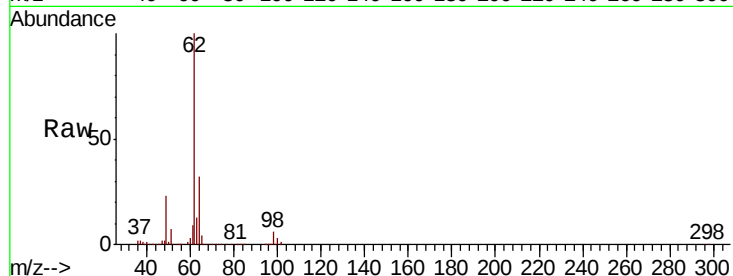
VL0507ABS01

Tgt 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

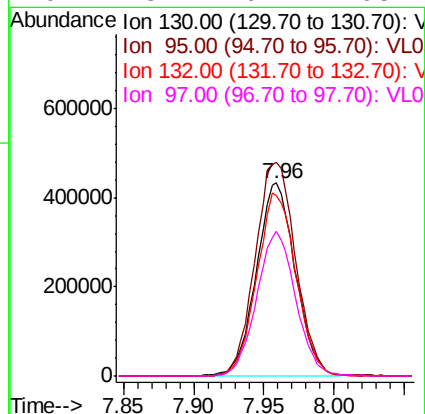
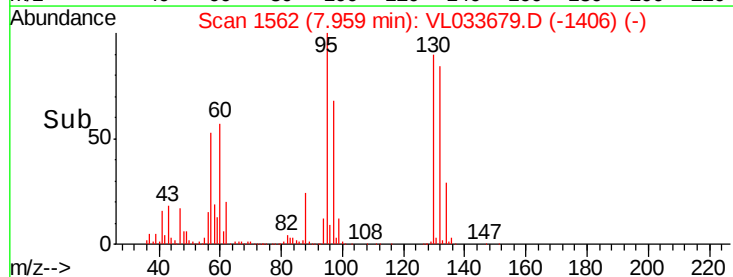
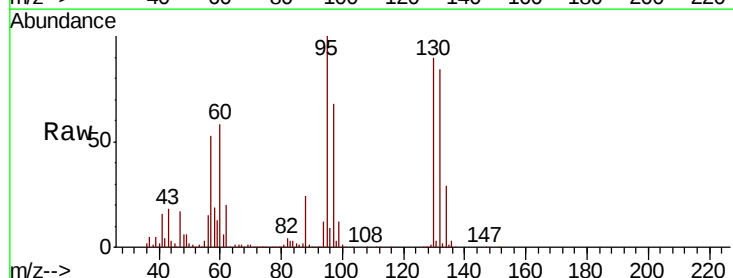
Ion Ratio Lower Upper

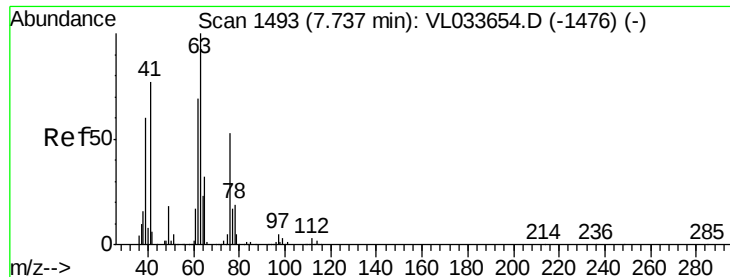
130 100

95 110.9 93.4 140.0

132 93.8 76.2 114.4

97 75.2 62.2 93.4

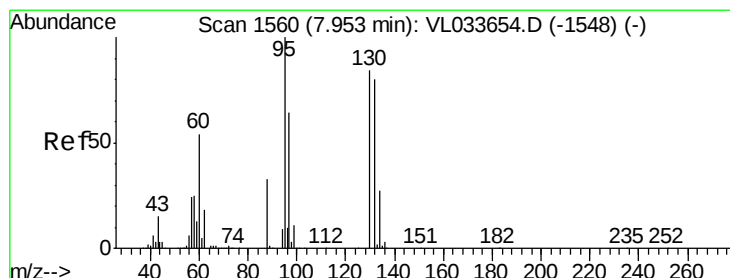
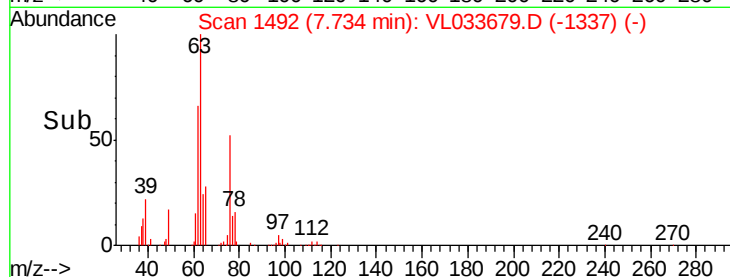
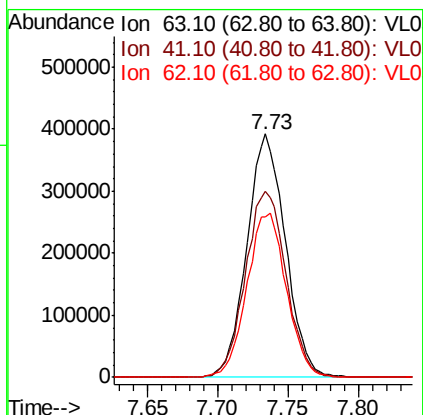
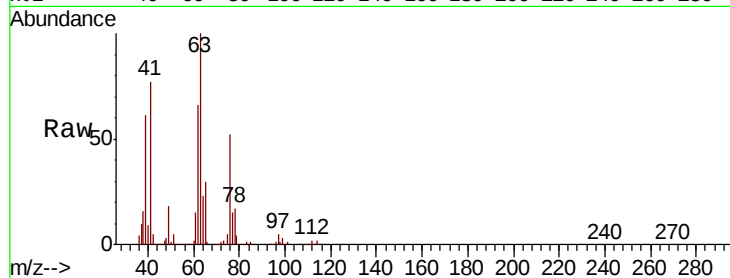




#39
 1,2-Dichloropropane
 Concen: 9.821 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

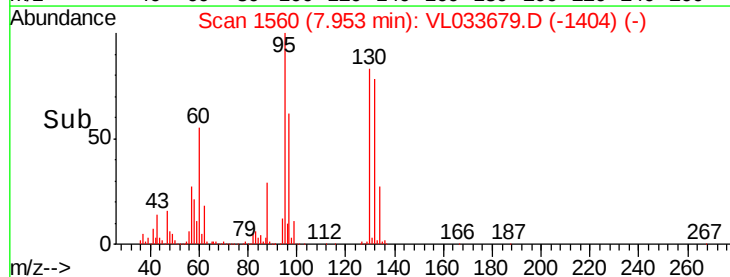
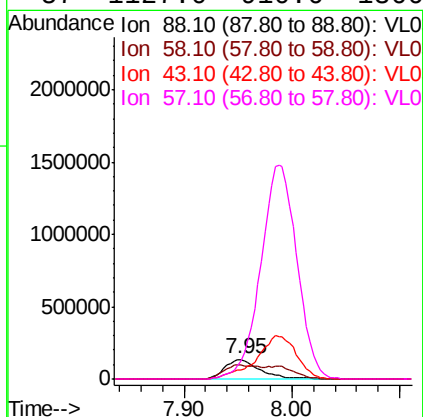
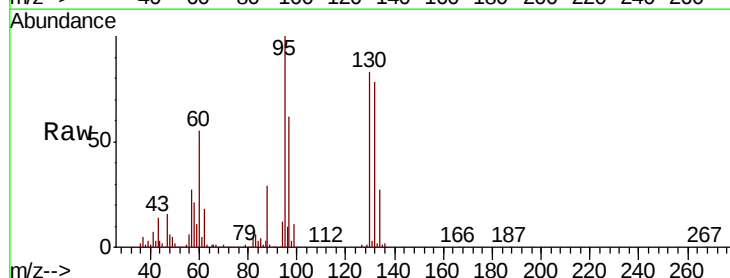
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

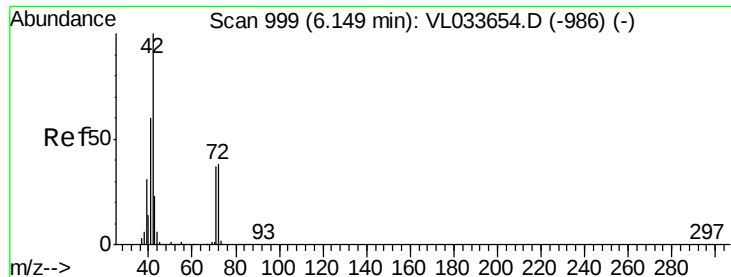
Tgt Ion: 63 Resp: 750740
 Ion Ratio Lower Upper
 63 100
 41 76.4 61.6 92.4
 62 66.0 55.0 82.6



#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

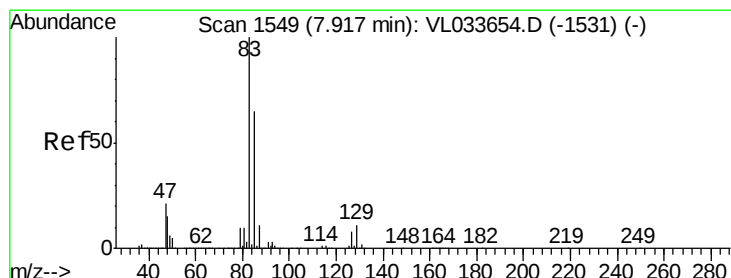
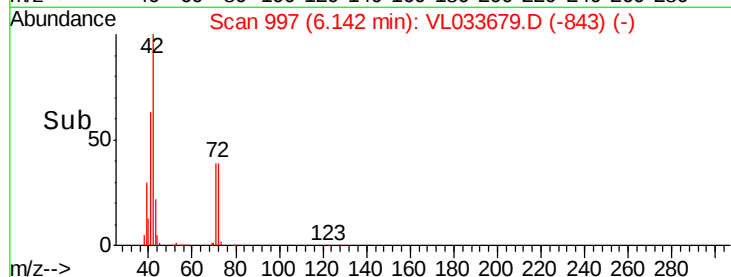
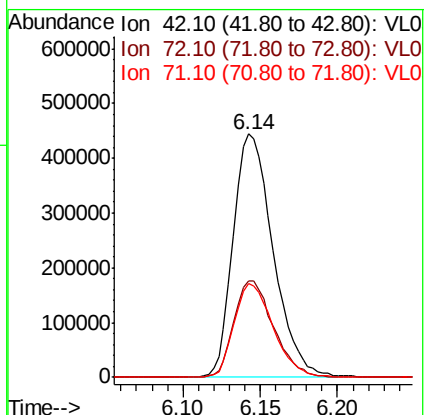
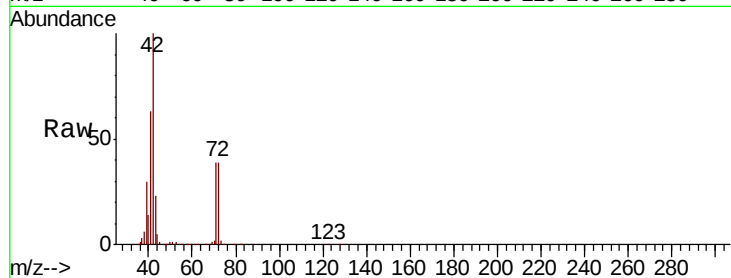
Tgt Ion: 42 Resp: 795746

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

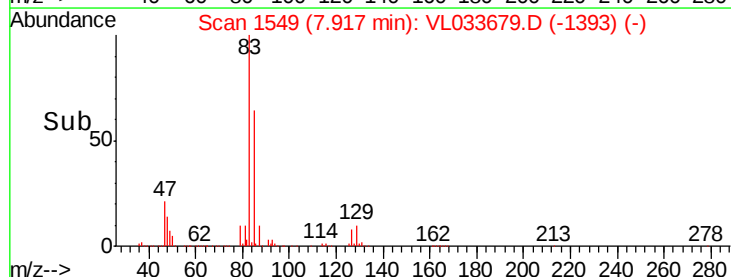
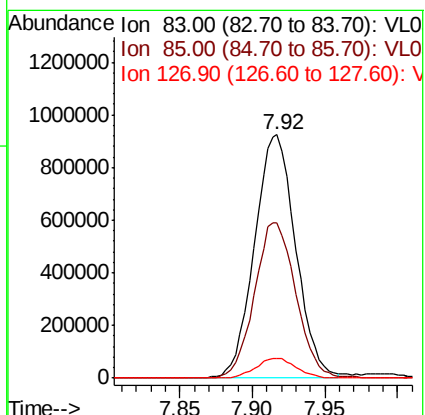
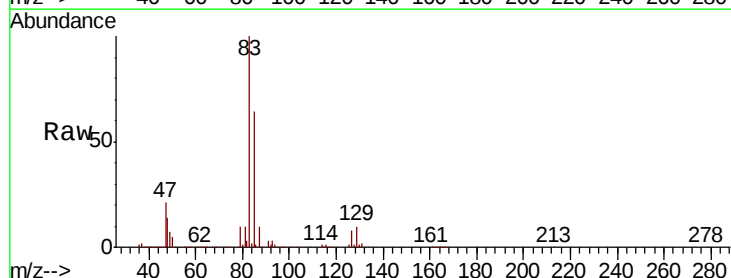
Tgt Ion: 83 Resp: 1824065

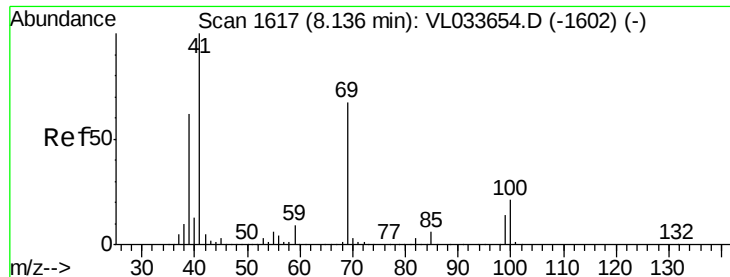
Ion Ratio Lower Upper

83 100

85 63.9 52.4 78.6

127 8.2 6.6 9.8

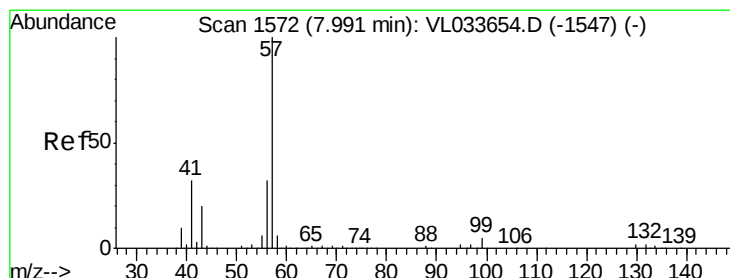
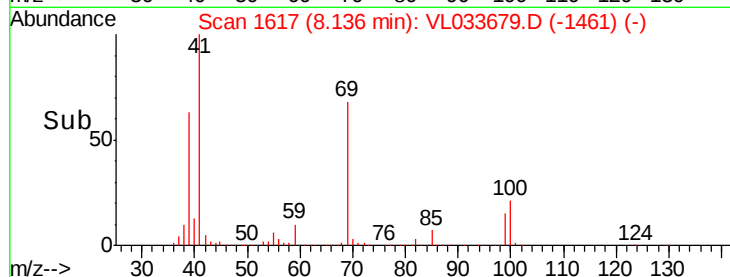
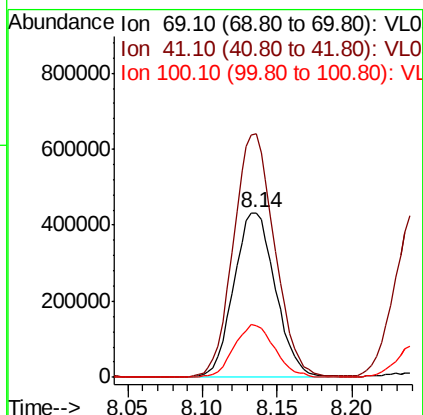
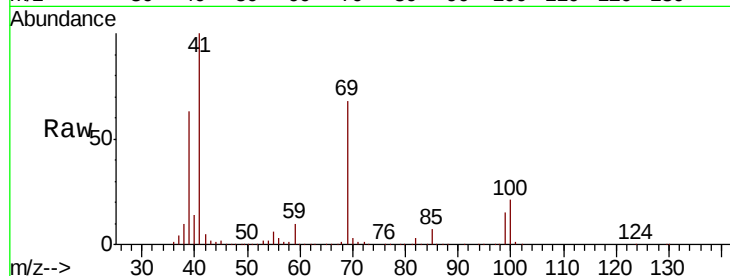




#43
Methyl Methacrylate
Concen: 10.797 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

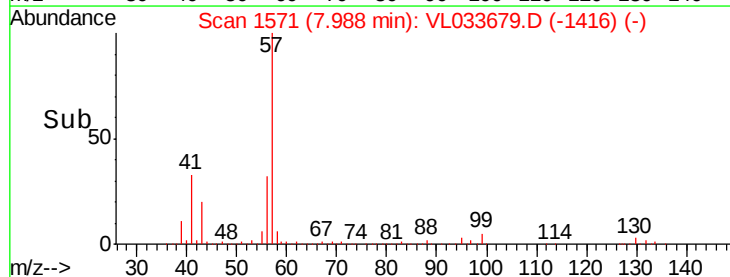
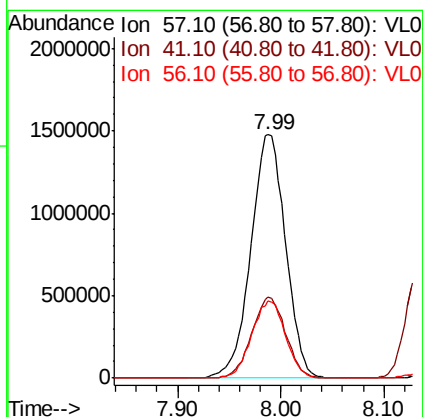
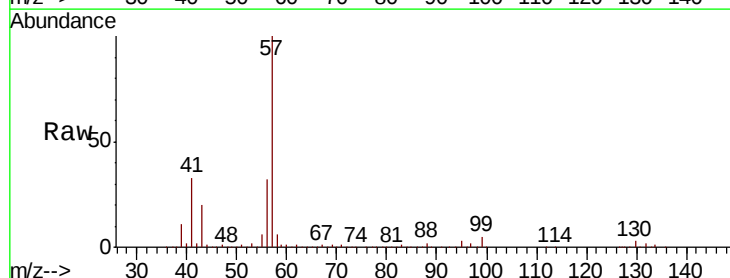
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

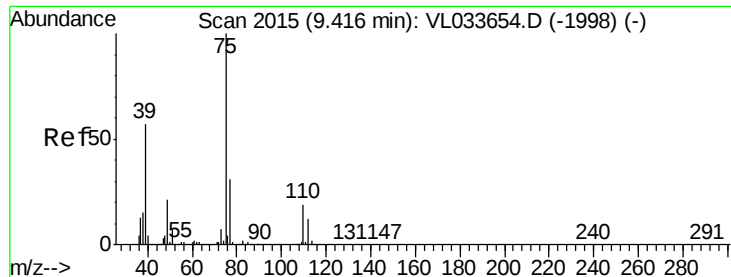
Tgt Ion: 69 Resp: 833001
Ion Ratio Lower Upper
69 100
41 147.1 116.6 175.0
100 31.6 24.6 37.0



#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 :

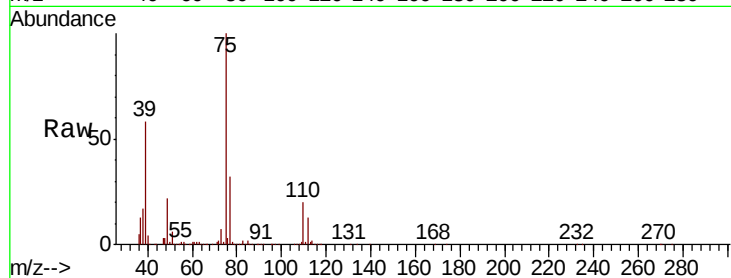
VL0507ABS01

Tgt 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

9.41

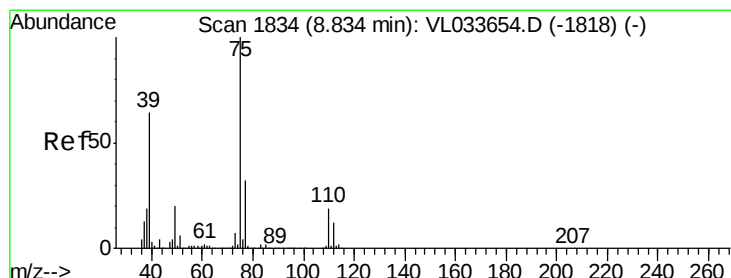
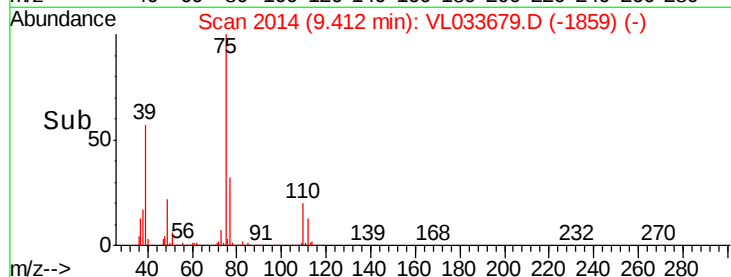
600000

400000

200000

0

Time-->



#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

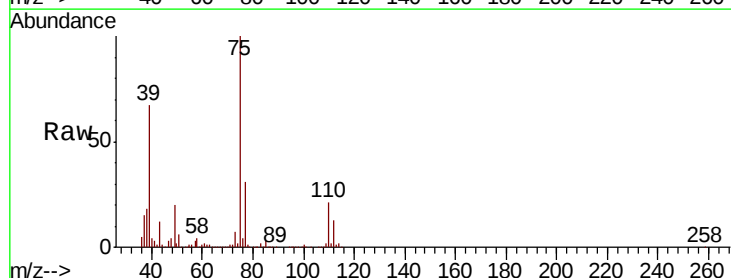
Tgt Ion: 75 Resp: 1287814

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

8.84

800000

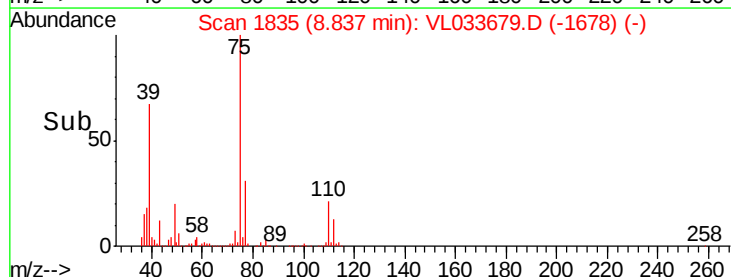
600000

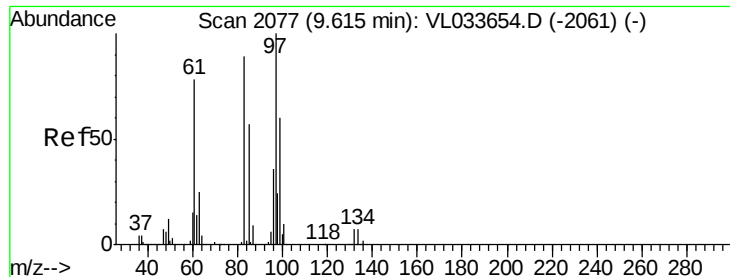
400000

200000

0

Time-->





#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

Tgt Ion: 97 Resp: 864182

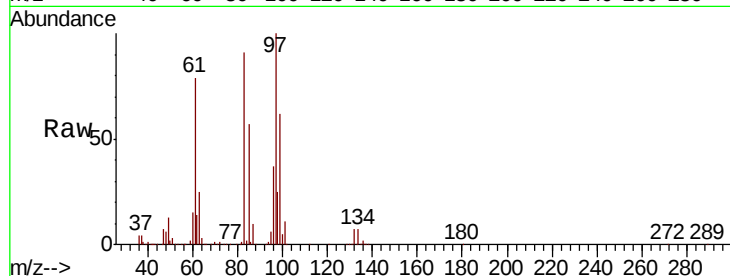
Ion Ratio Lower Upper

97 100

83 90.6 70.9 106.3

85 57.2 45.8 68.6

99 62.0 48.2 72.4

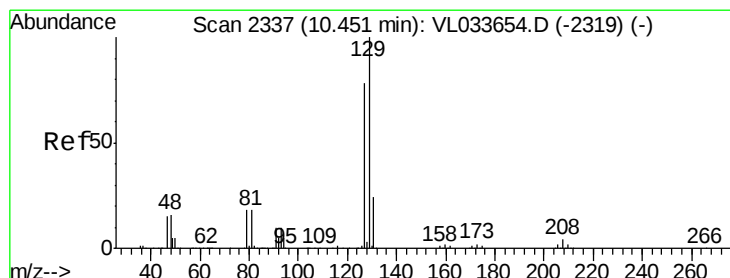
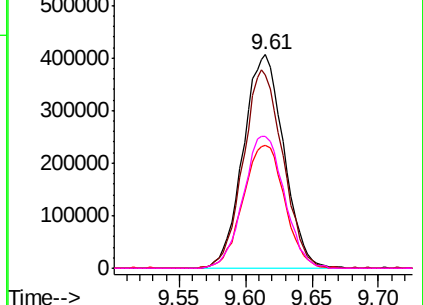
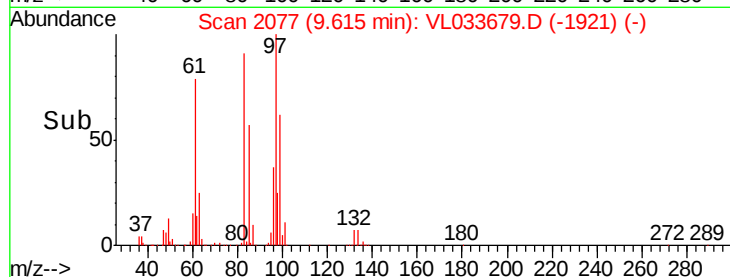


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.954 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL033679.D

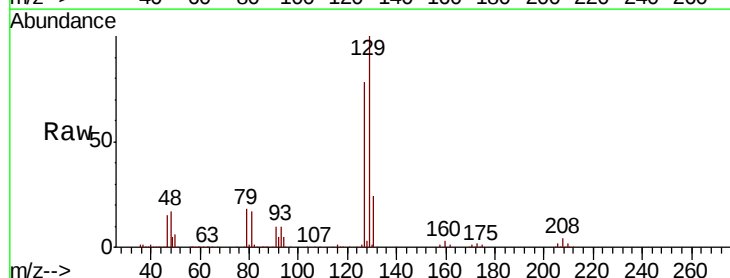
Acq: 7 May 2019 13:01

Tgt Ion: 129 Resp: 1630132

Ion Ratio Lower Upper

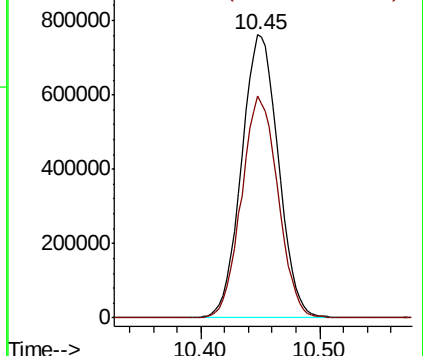
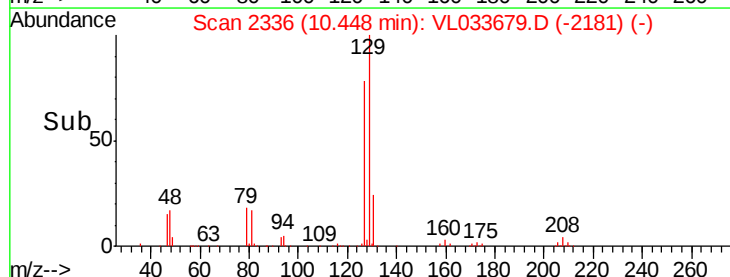
129 100

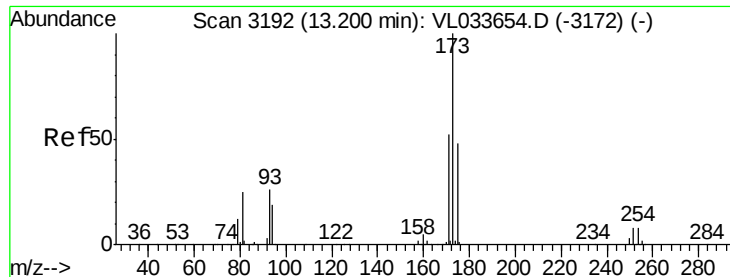
127 77.7 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#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

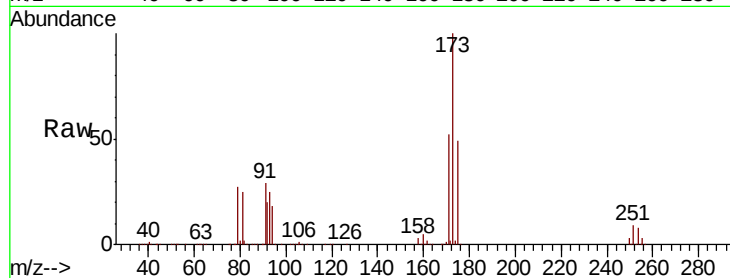
Tgt Ion:173 Resp: 1439236

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

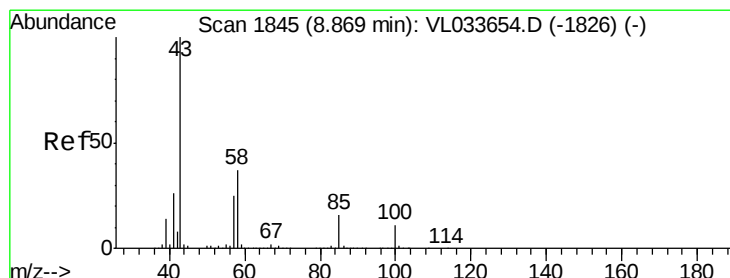
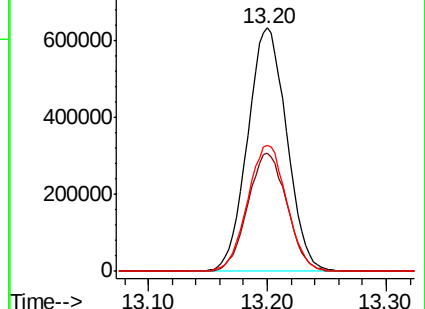
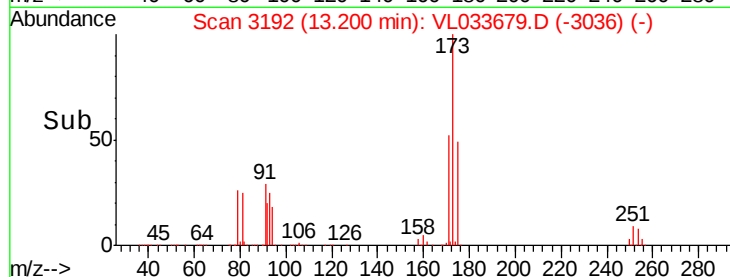
171 51.9 41.5 62.3



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

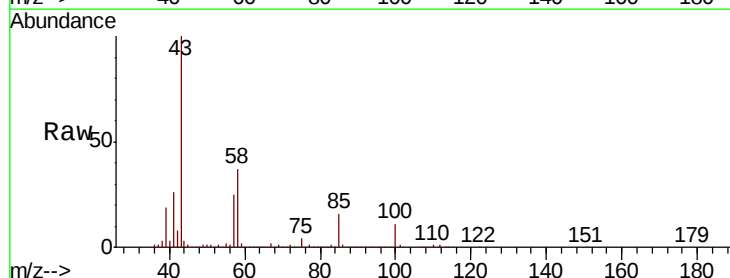
Acq: 7 May 2019 13:01

Tgt Ion: 43 Resp: 2243330

Ion Ratio Lower Upper

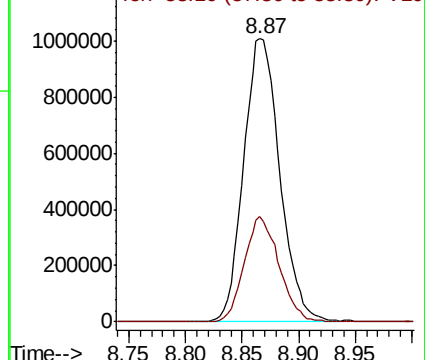
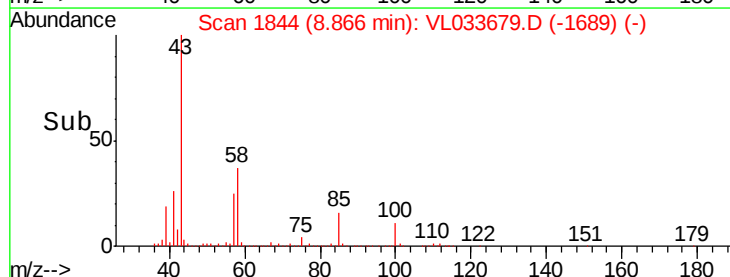
43 100

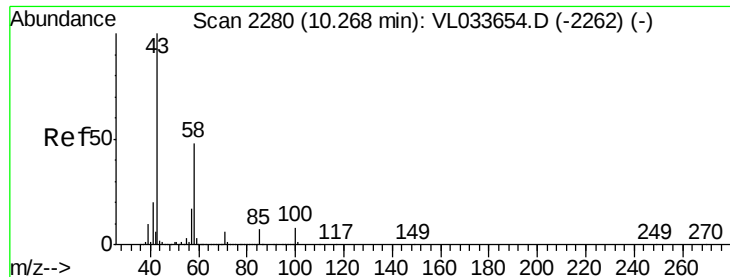
58 35.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

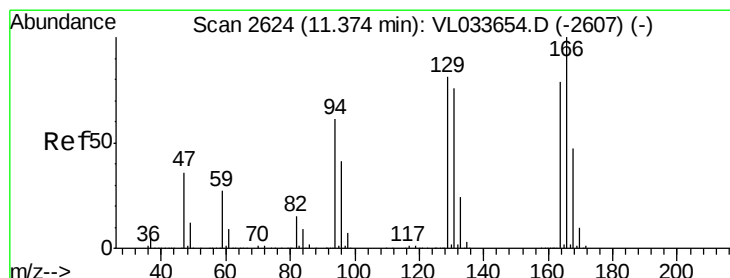
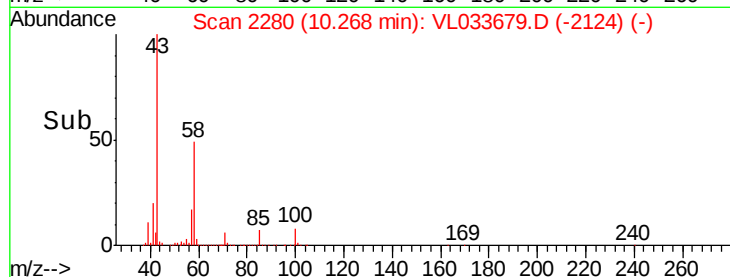
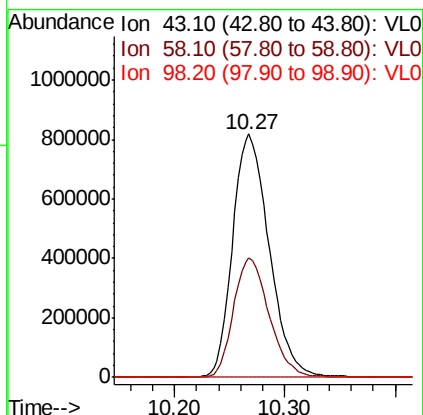
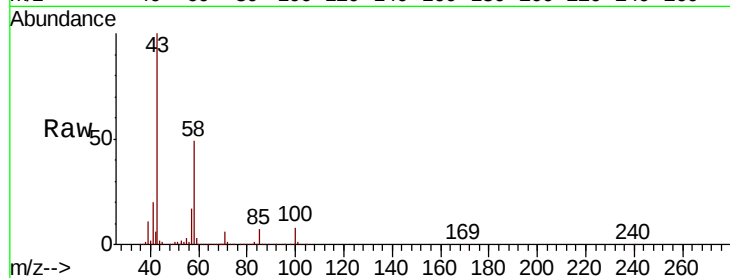




#51
2-Hexanone
Concen: 10.940 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

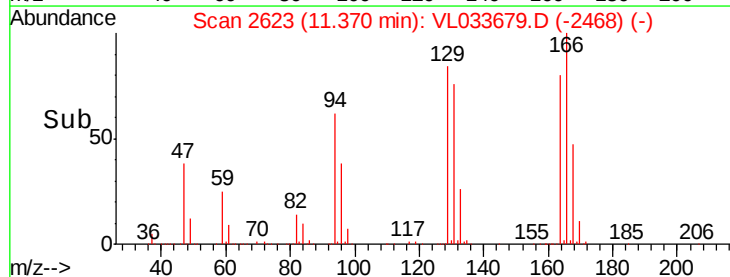
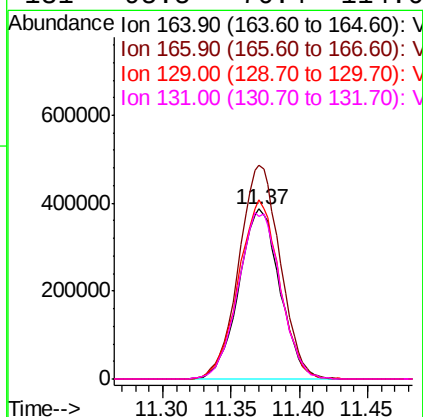
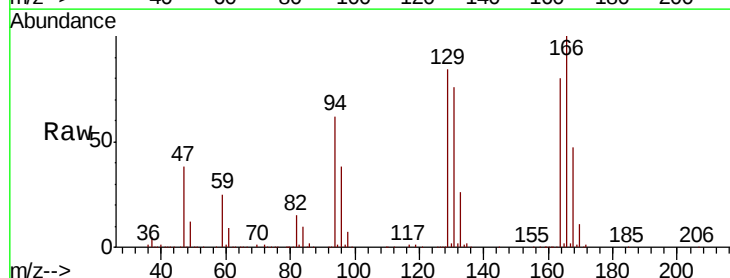
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

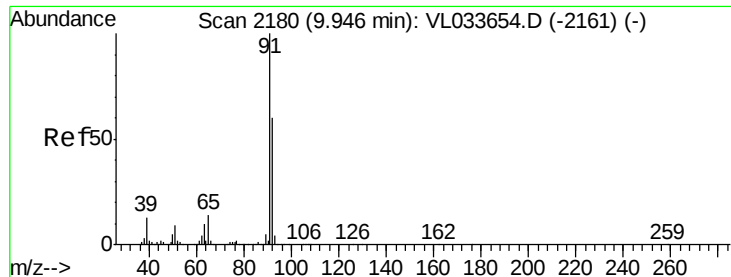
Tgt Ion: 43 Resp: 1879777
Ion Ratio Lower Upper
43 100
58 47.9 38.2 57.4
98 0.4 0.2 0.4



#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 :

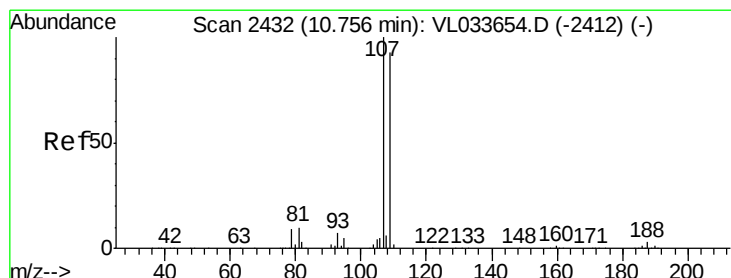
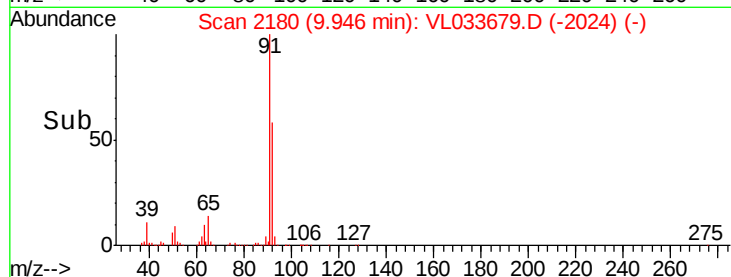
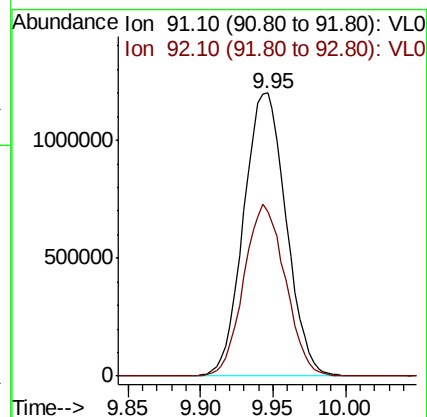
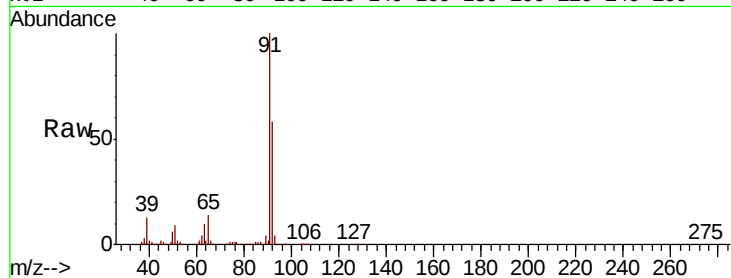
VL0507ABS01

Tgt 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

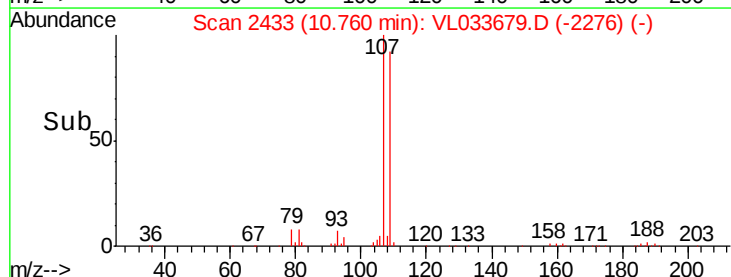
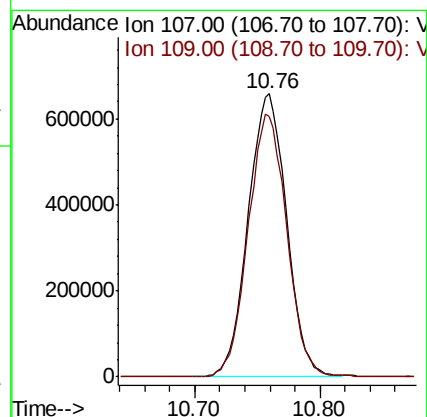
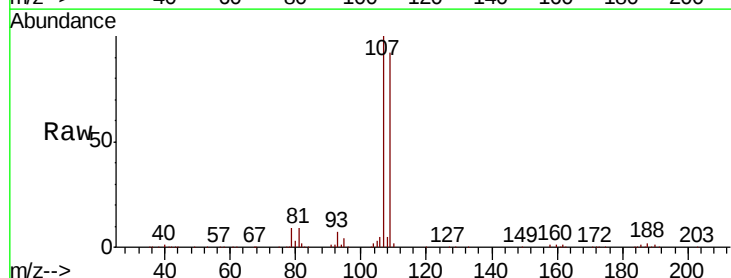
Acq: 7 May 2019 13:01

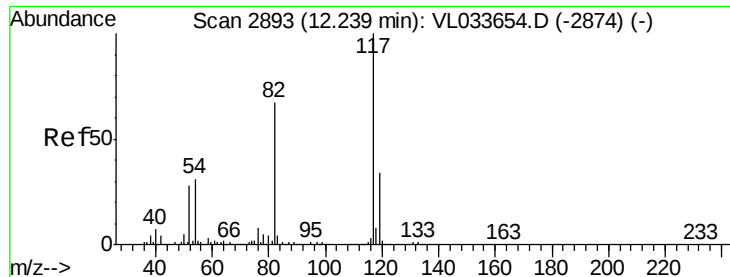
Tgt Ion: 107 Resp: 1403815

Ion Ratio Lower Upper

107 100

109 91.9 74.6 111.8

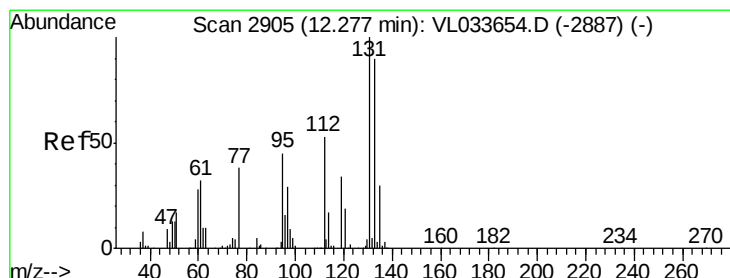
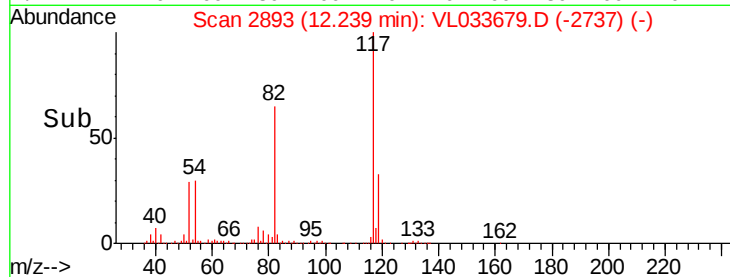
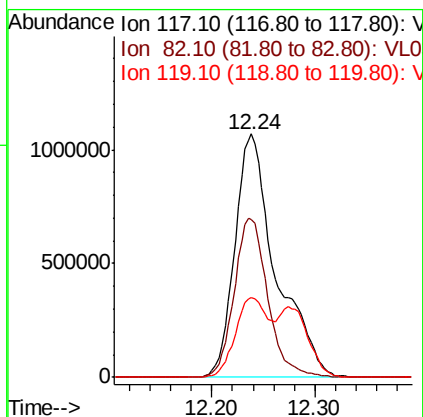
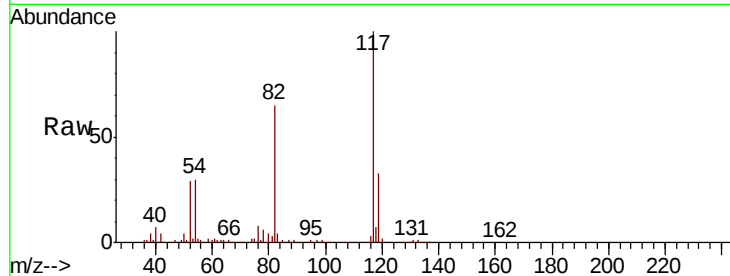




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

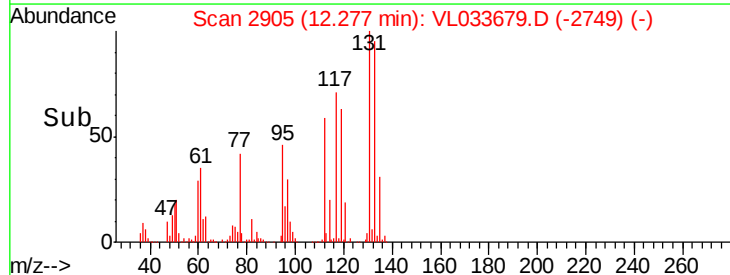
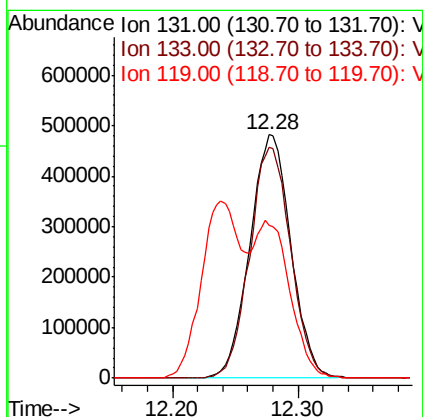
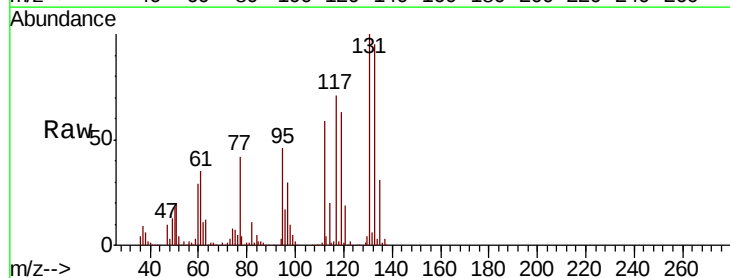
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

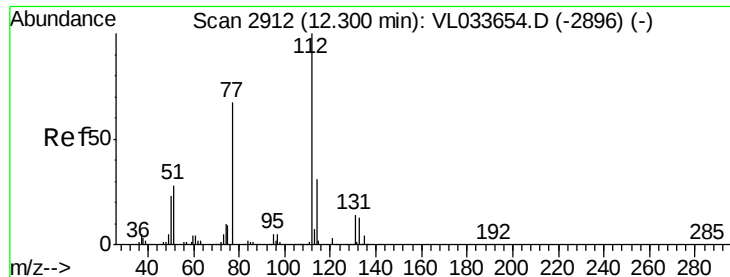
Tgt Ion:117 Resp: 2972045
Ion Ratio Lower Upper
117 100
82 53.6 49.7 74.5
119 23.9 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.992 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

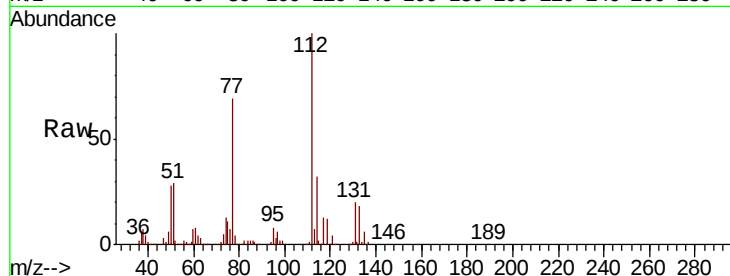




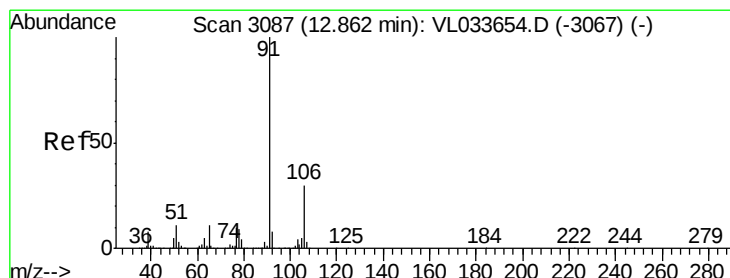
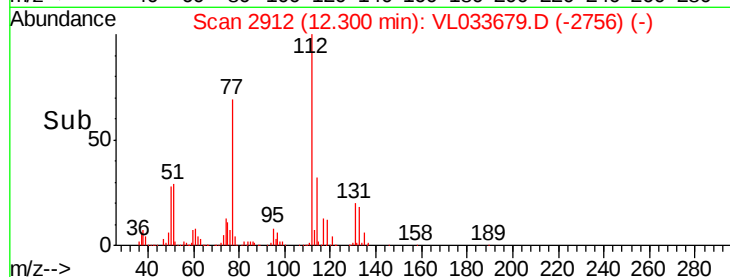
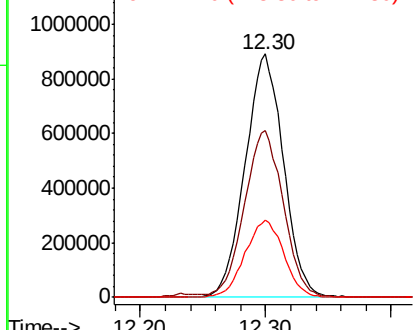
#57
Chlorobenzene
Concen: 7.769 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

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

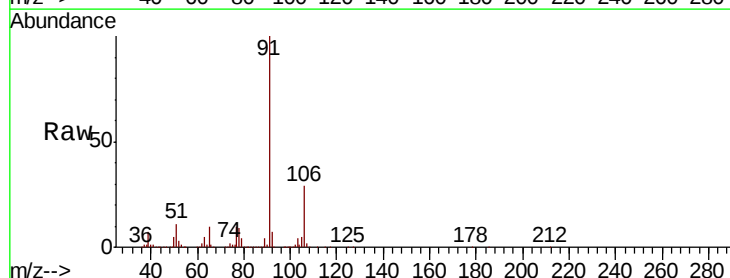


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

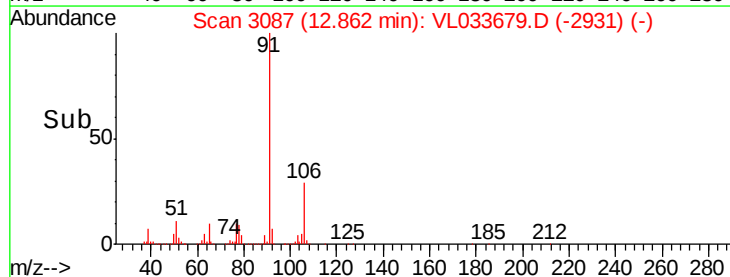
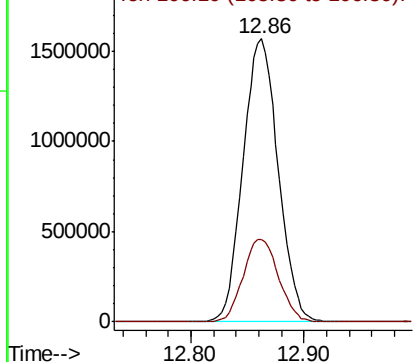


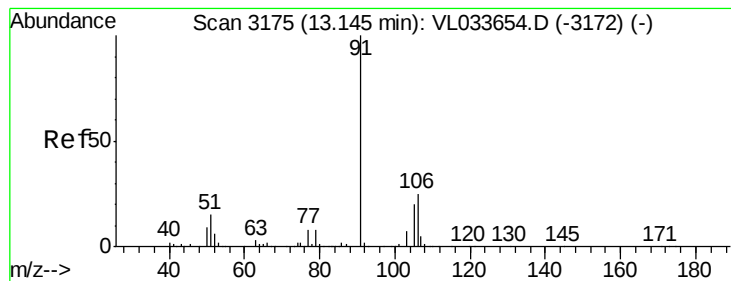
#58
Ethyl Benzene
Concen: 8.745 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

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: 8.658 ppbv

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 :

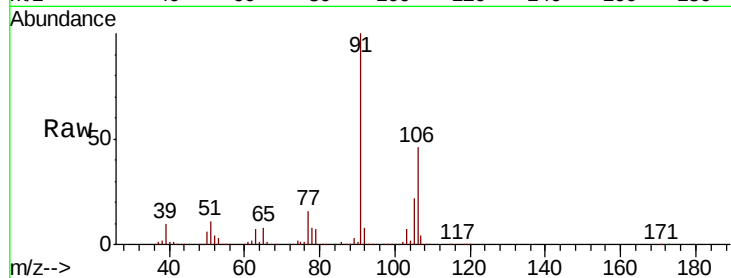
VL0507ABS01

Tgt Ion: 91 Resp: 2955749

Ion Ratio Lower Upper

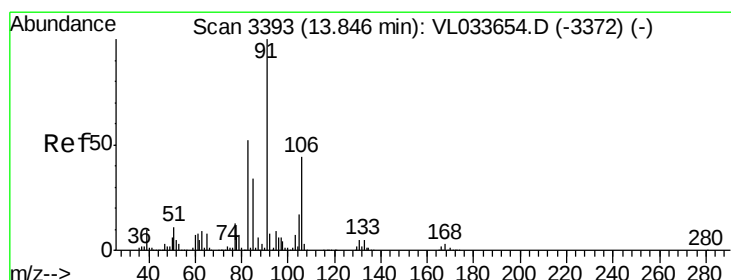
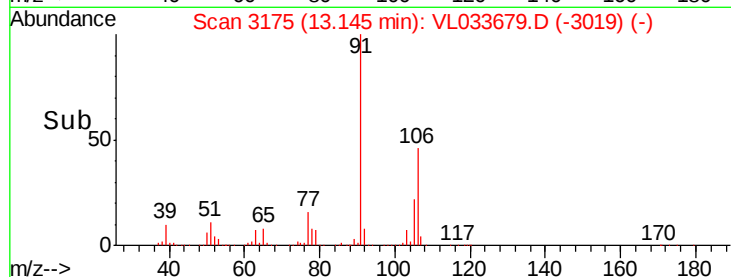
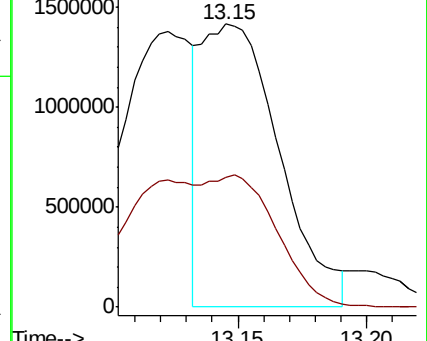
91 100

106 86.8 36.2 54.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.255 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL033679.D

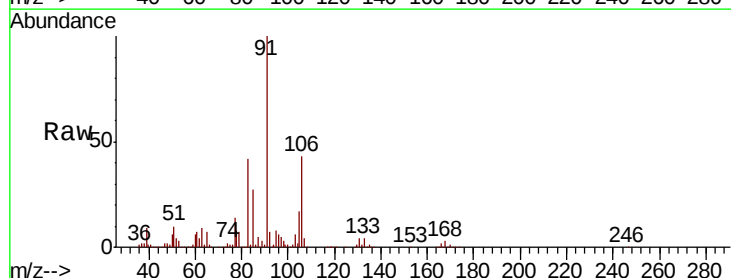
Acq: 7 May 2019 13:01

Tgt Ion: 91 Resp: 2852088

Ion Ratio Lower Upper

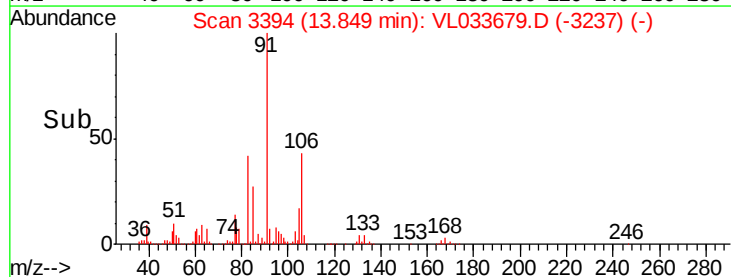
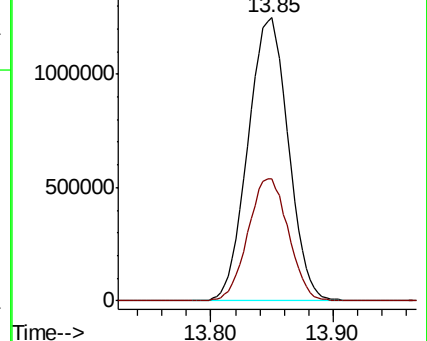
91 100

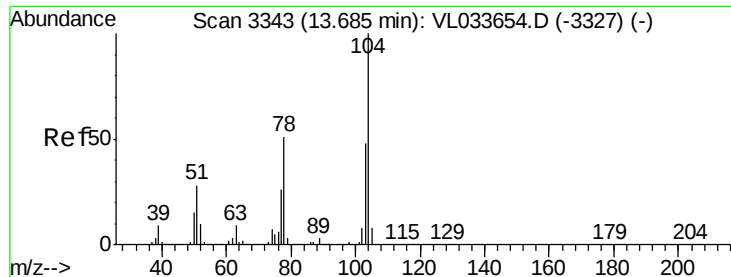
106 43.4 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 9.302 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

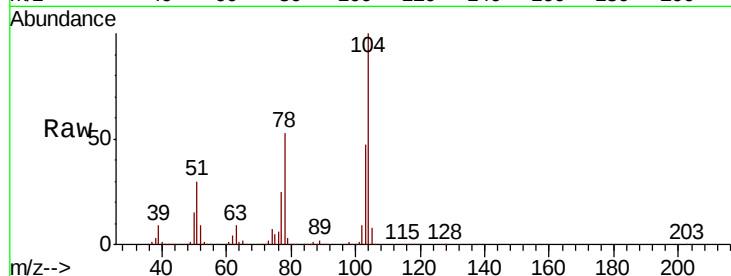
Tgt Ion:104 Resp: 2139837

Ion Ratio Lower Upper

104 100

78 53.4 43.0 64.6

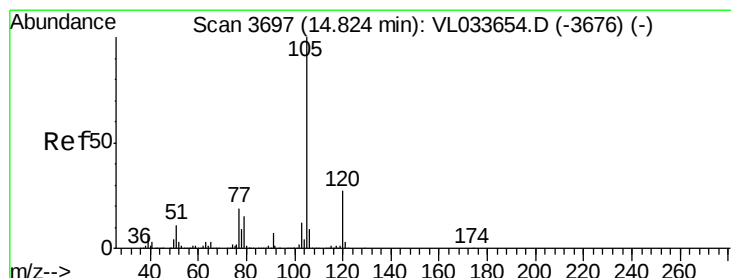
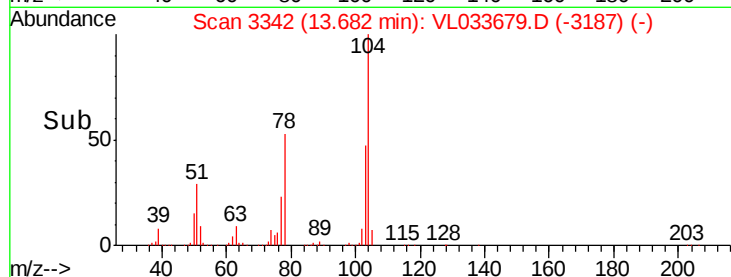
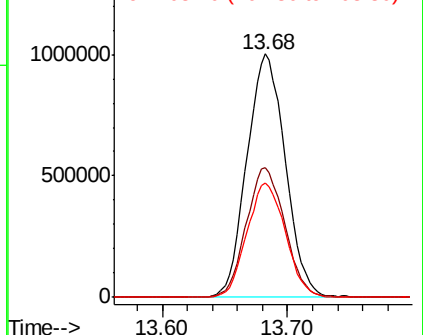
103 47.1 38.1 57.1



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: 8.171 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033679.D

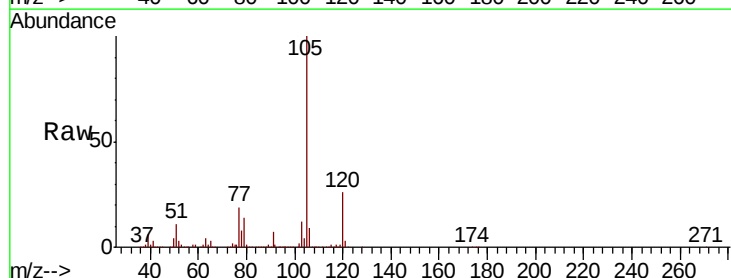
Acq: 7 May 2019 13:01

Tgt Ion:105 Resp: 3854228

Ion Ratio Lower Upper

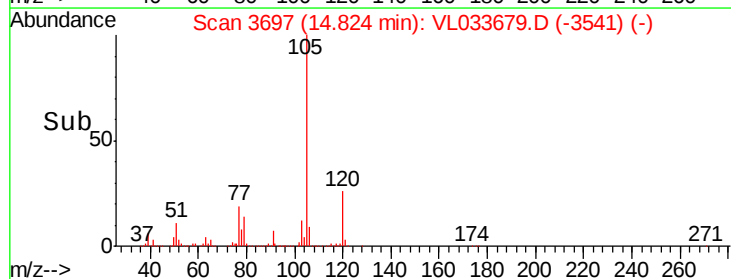
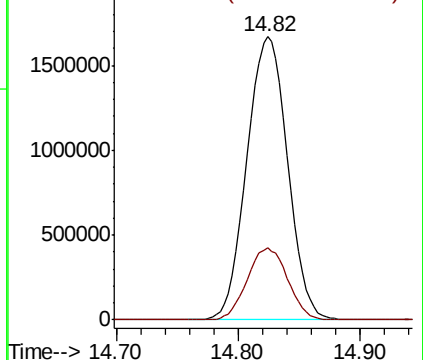
105 100

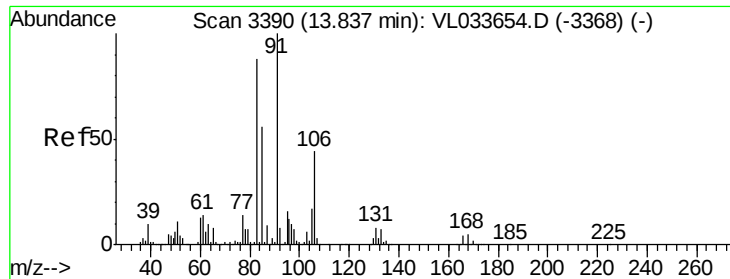
120 25.3 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

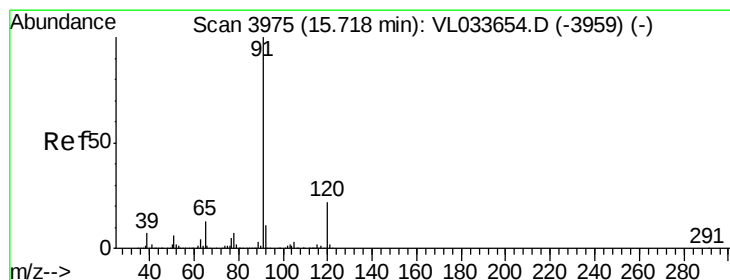
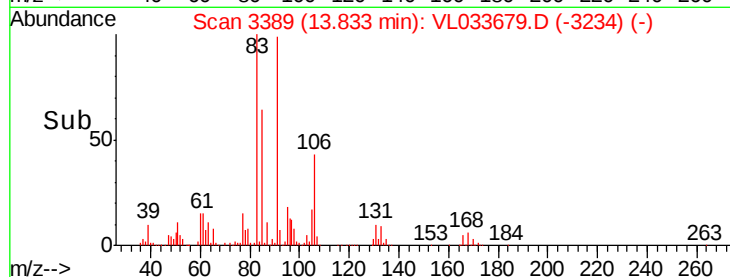
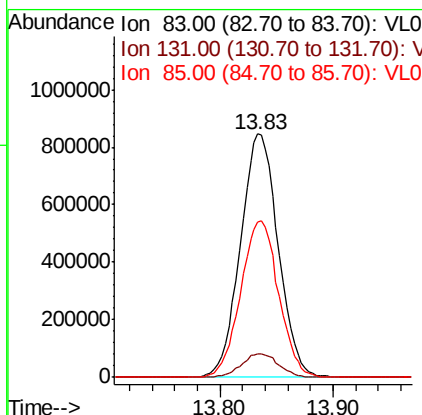
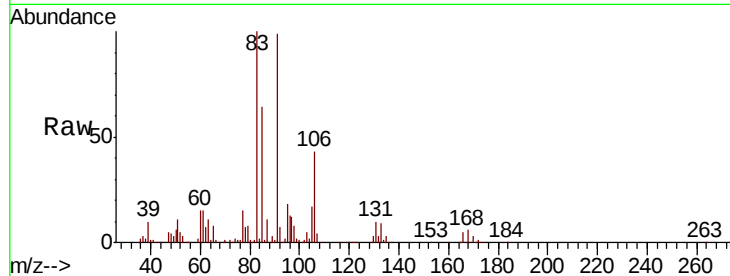




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.803 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

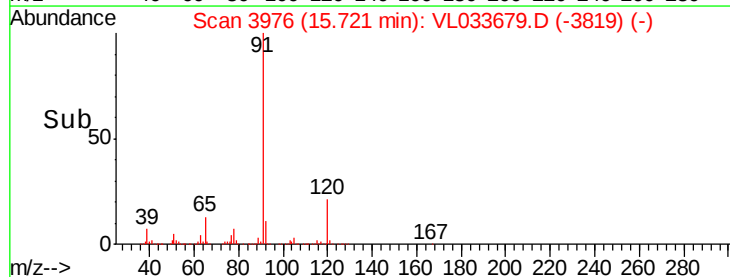
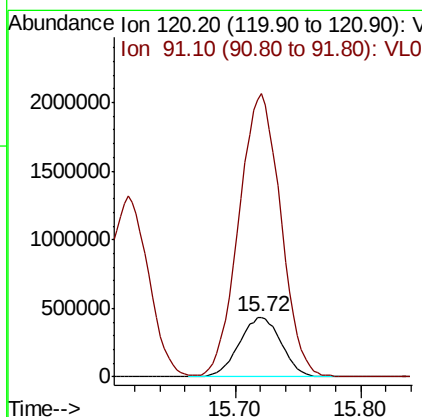
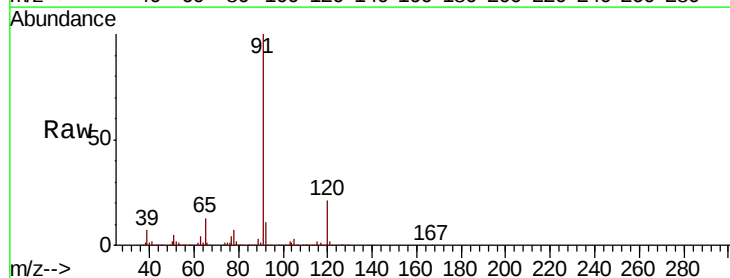
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

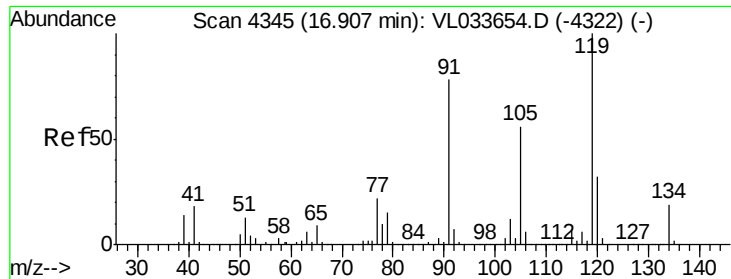
Tgt Ion: 83 Resp: 1961903
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.3
 85 64.7 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.284 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

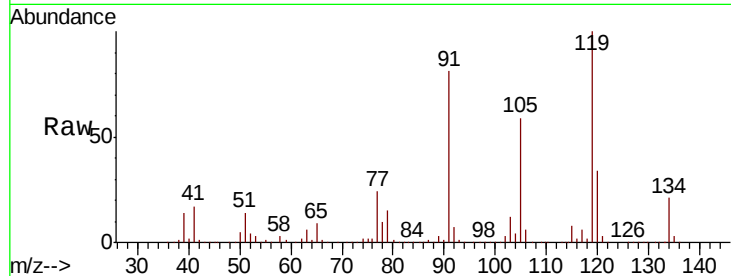




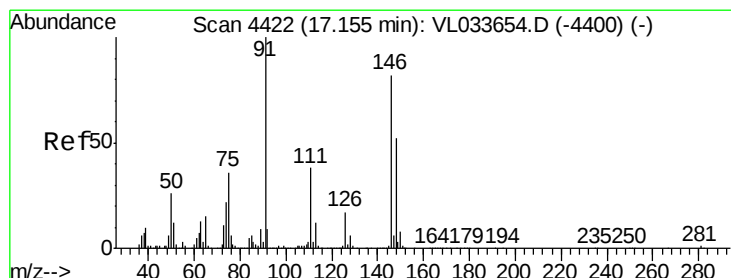
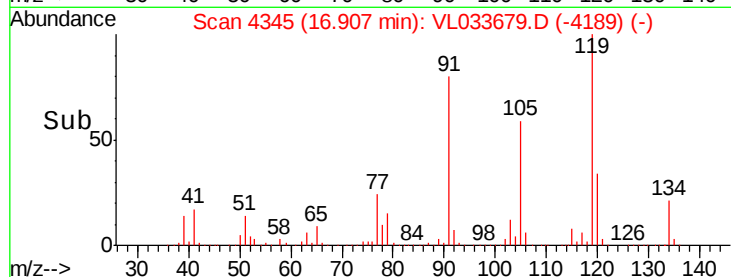
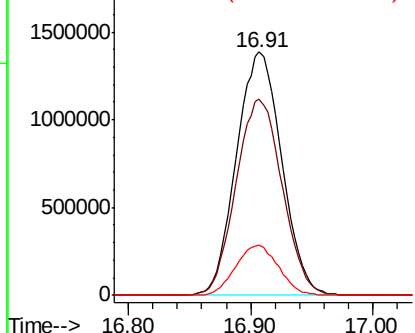
#65
 tert-Butylbenzene
 Concen: 8.230 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

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

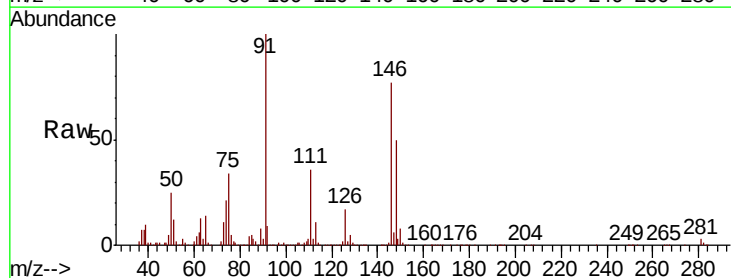


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

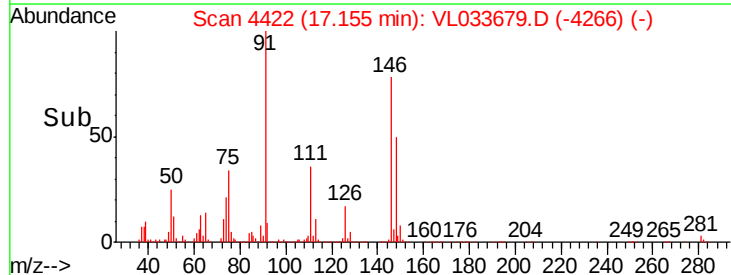
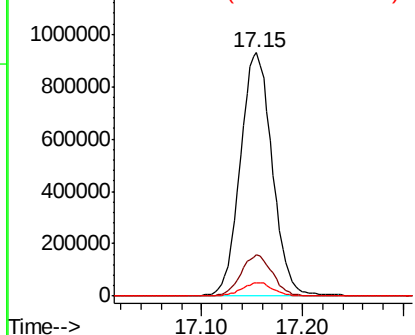


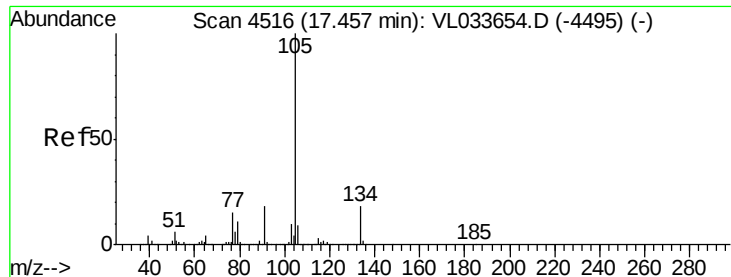
#66
 Benzyl Chloride
 Concen: 10.368 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

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

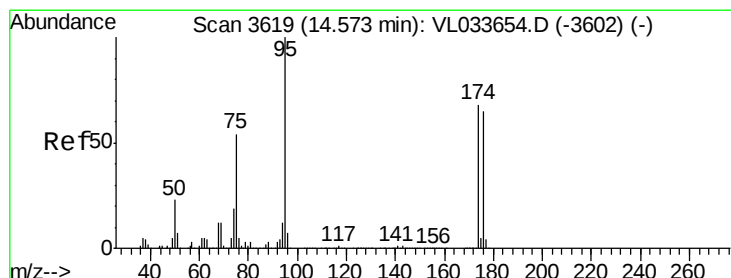
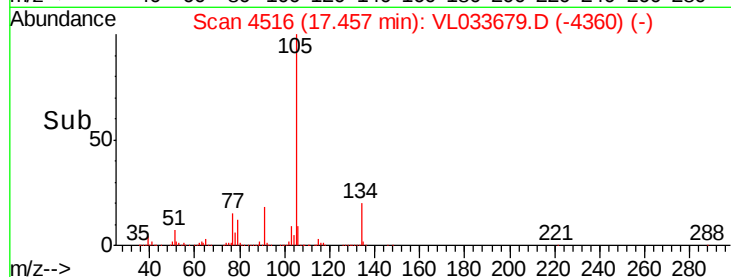
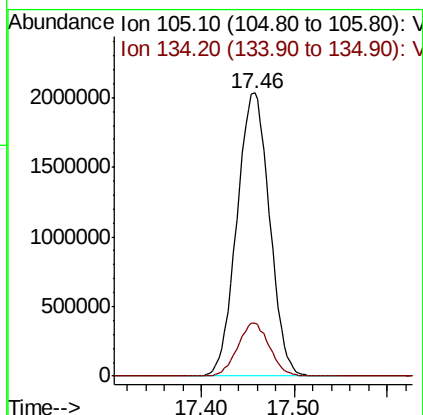
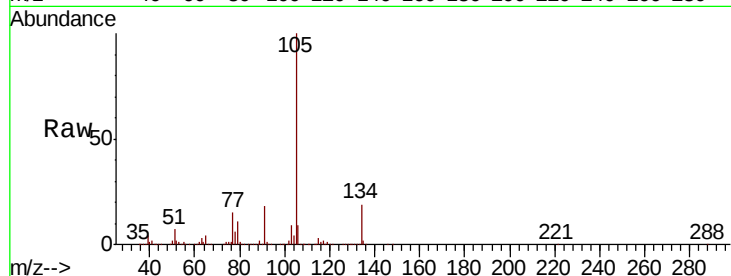




#67
 sec-Butylbenzene
 Concen: 8.232 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

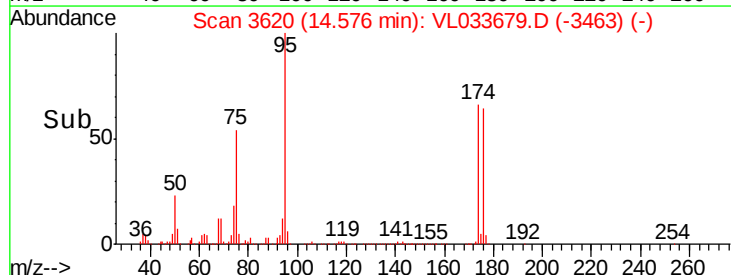
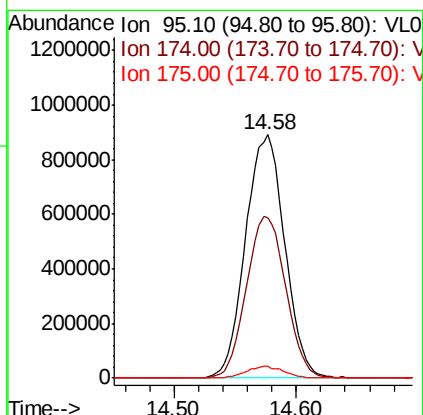
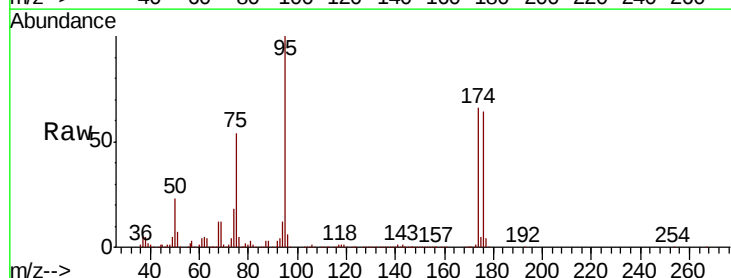
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

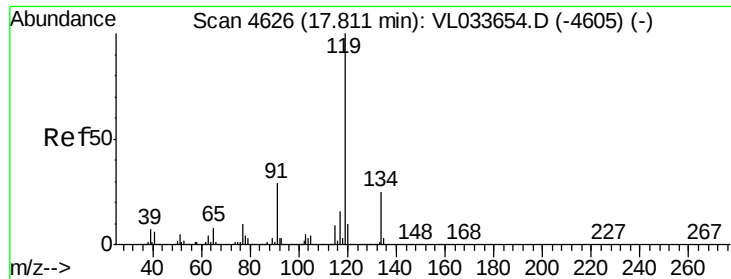
Tgt Ion: 105 Resp: 4969937
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.123 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

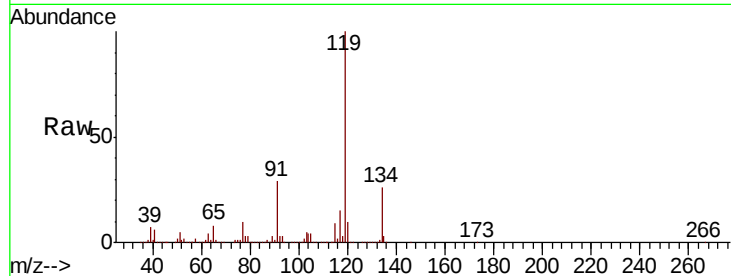




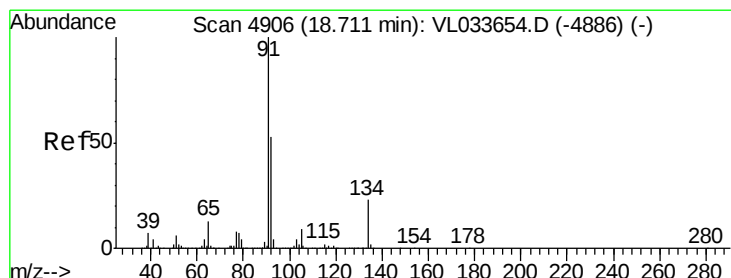
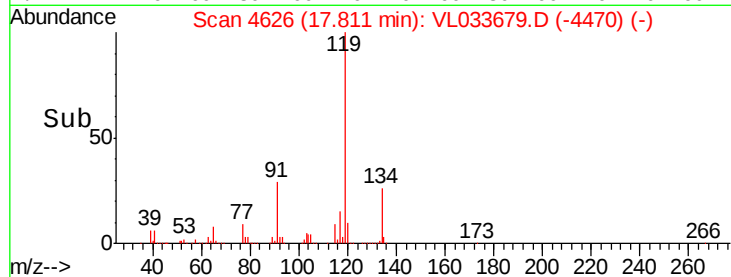
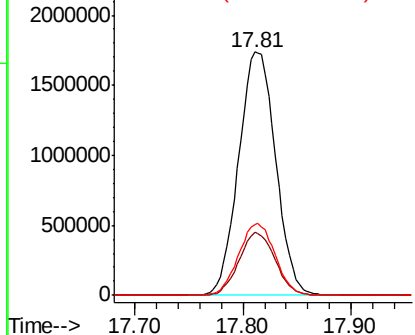
#69
p-Isopropyltoluene
Concen: 8.351 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

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

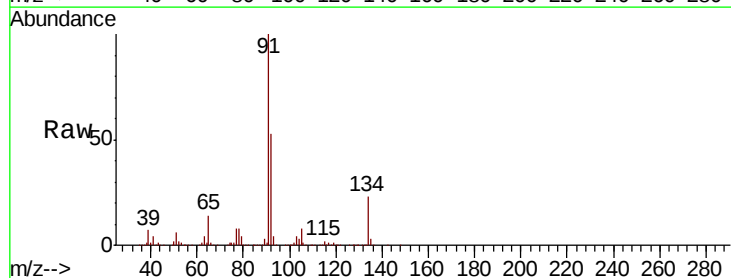


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

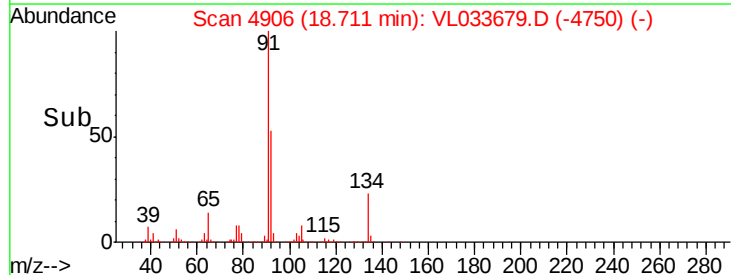
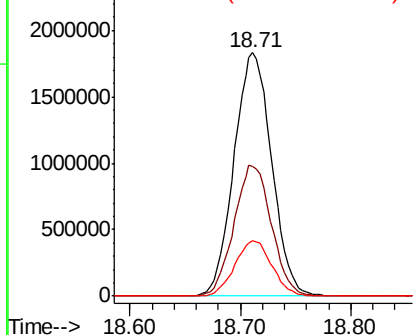


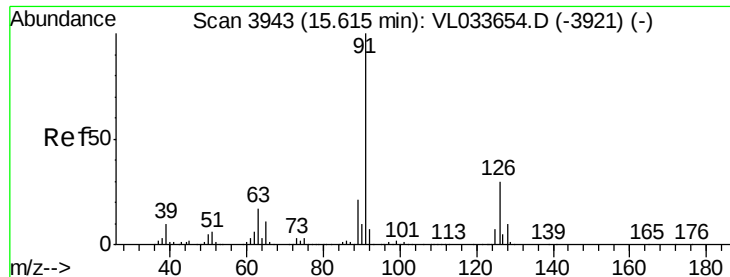
#70
n-Butylbenzene
Concen: 8.194 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.00 min
Lab File: VL033679.D
Acq: 7 May 2019 13:01

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



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





#71

2-Chlorotoluene

Concen: 8.480 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 :

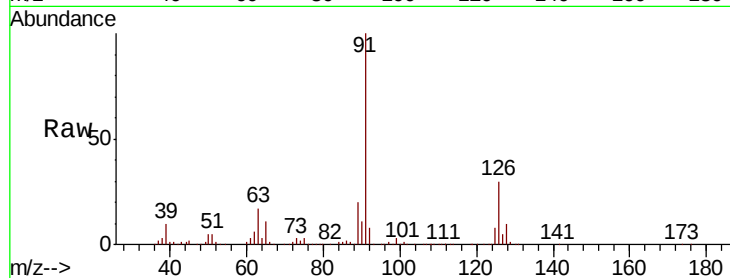
VL0507ABS01

Tgt Ion: 91 Resp: 2955329

Ion Ratio Lower Upper

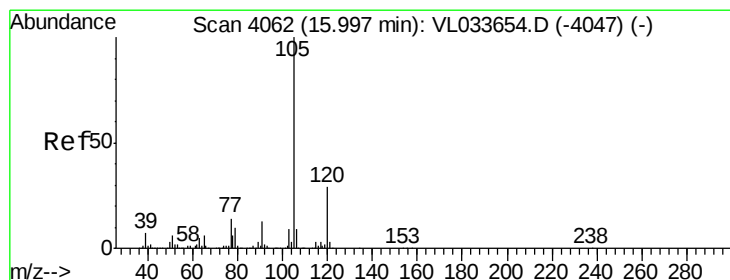
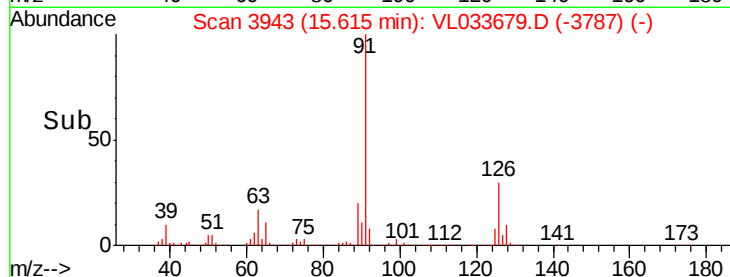
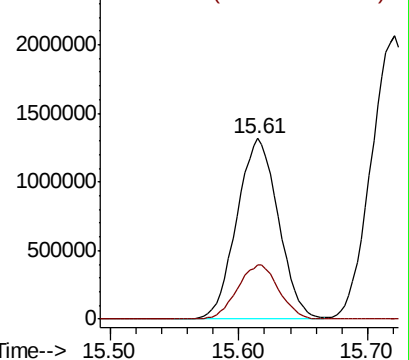
91 100

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: 8.313 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

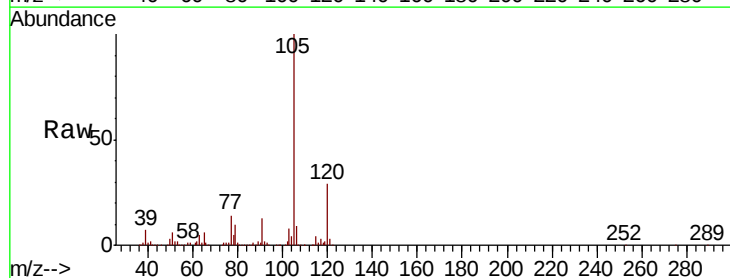
Ion Ratio Lower Upper

105 100

120 28.8 23.0 34.6

91 13.0 10.5 15.7

77 14.3 11.4 17.2

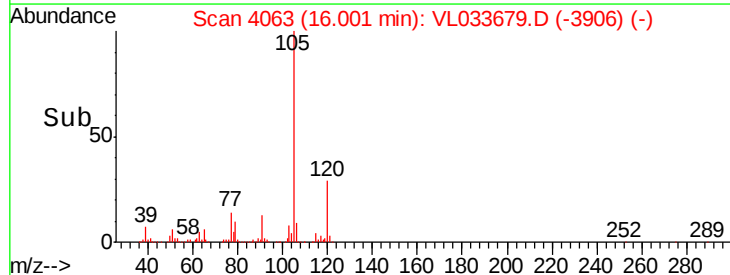
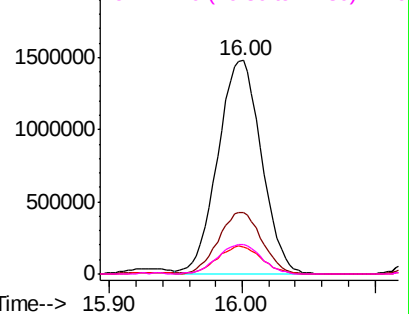


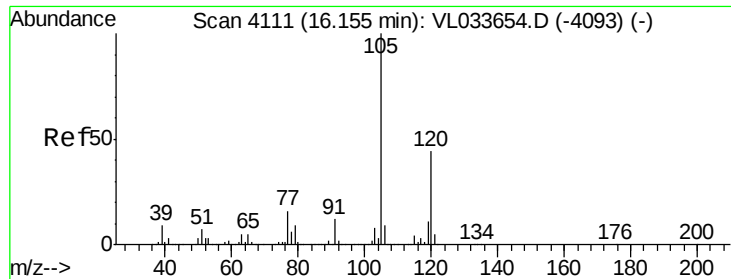
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.234 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 :

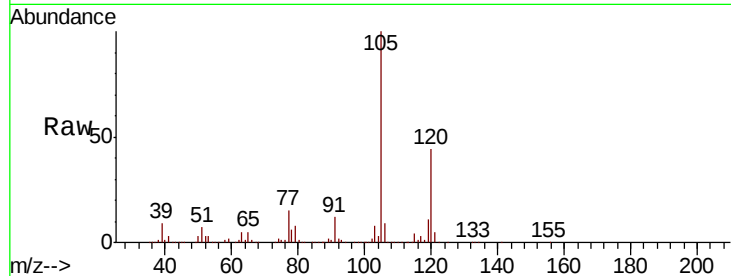
VL0507ABS01

Tgt Ion:105 Resp: 3232882

Ion Ratio Lower Upper

105 100

120 44.5 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.15

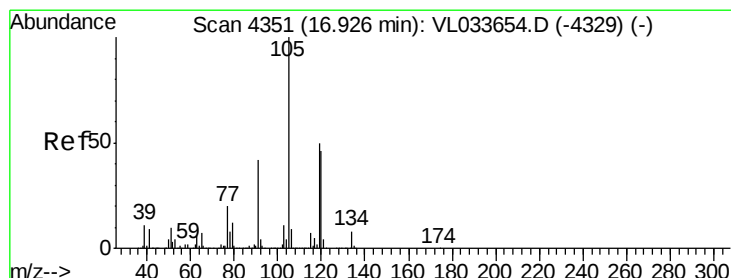
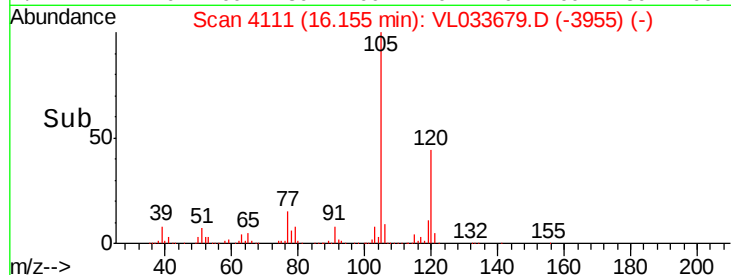
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.788 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

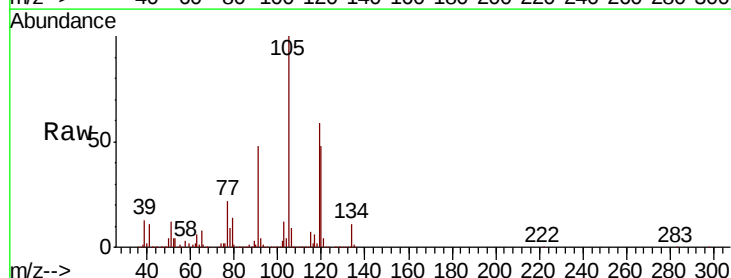
Ion Ratio Lower Upper

105 100

120 47.5 36.5 54.7

91 47.9 33.7 50.5

77 22.3 16.3 24.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

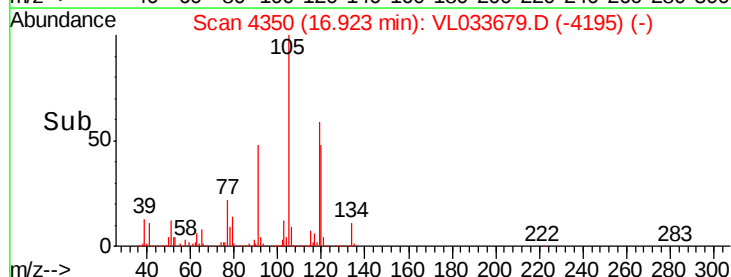
1500000

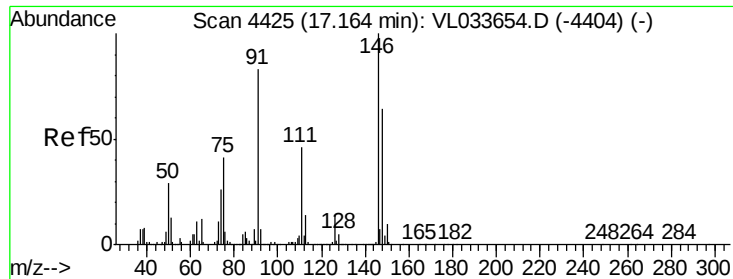
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.524 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

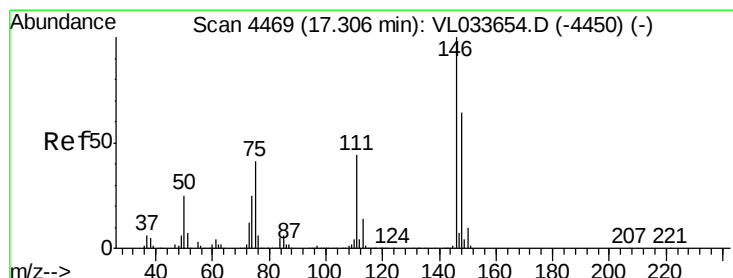
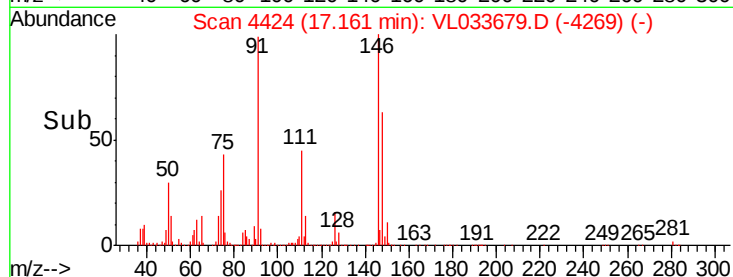
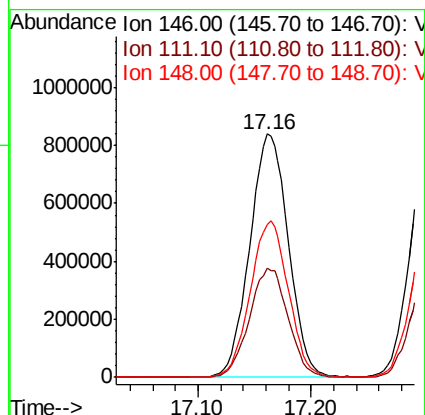
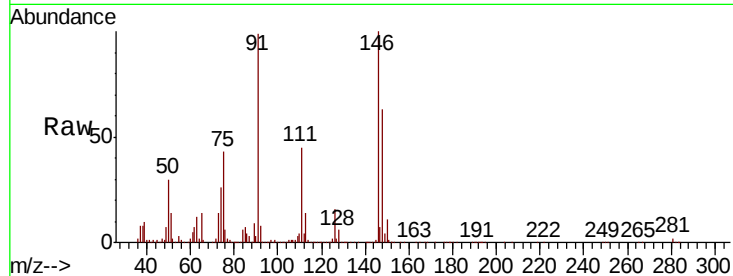
Tgt Ion:146 Resp: 1983293

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: 7.908 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

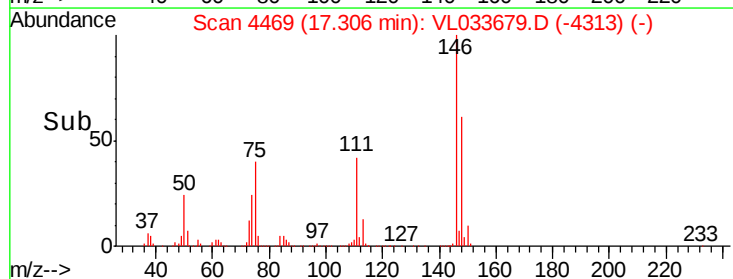
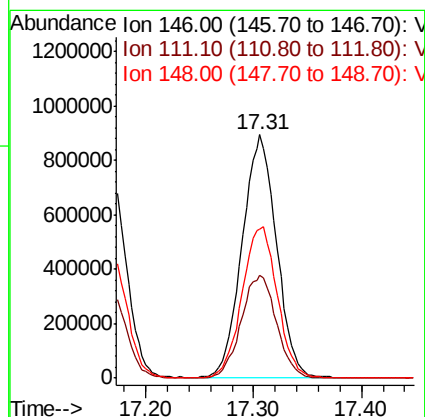
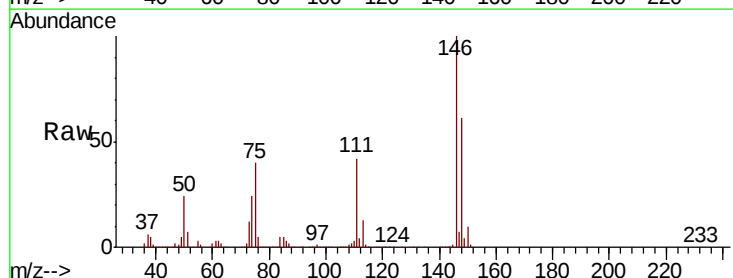
Tgt Ion:146 Resp: 1978212

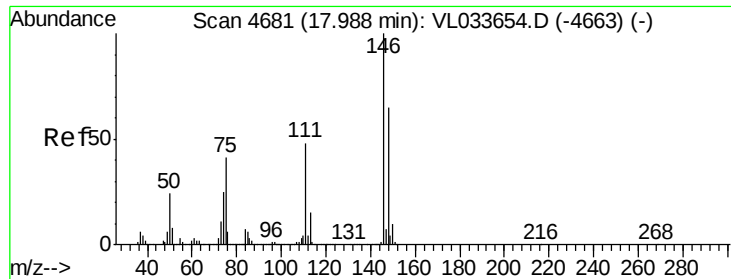
Ion Ratio Lower Upper

146 100

111 43.2 22.0 66.0

148 64.2 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 7.678 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

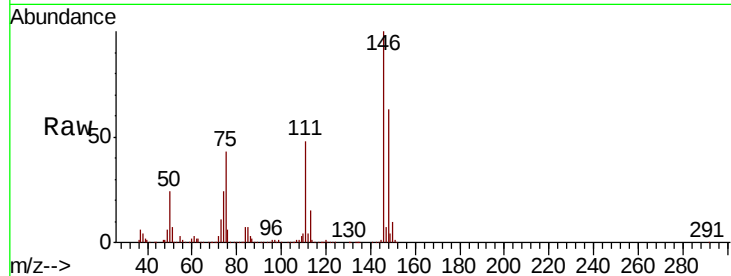
Tgt Ion:146 Resp: 1875065

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.0

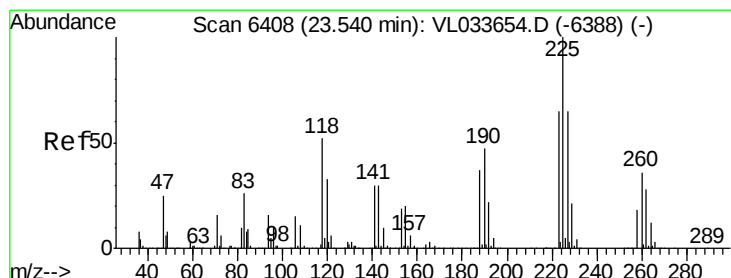
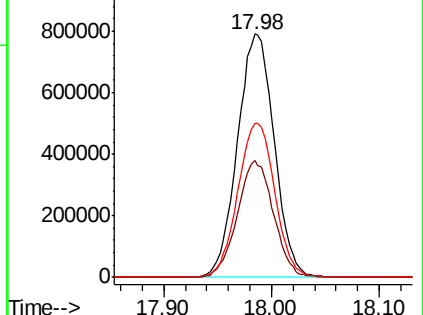
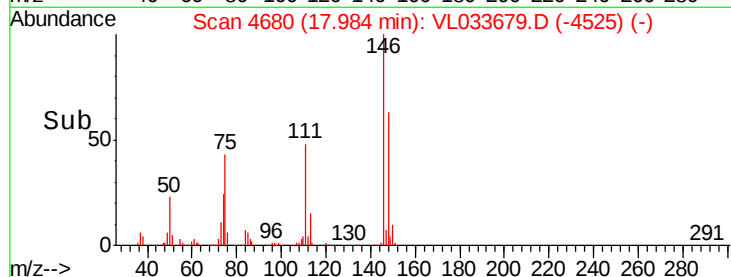
148 63.7 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 5.831 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. 0.00 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

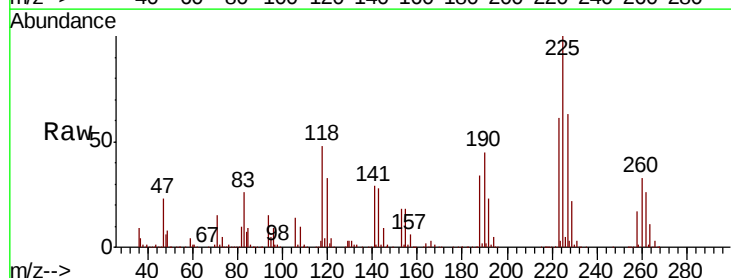
Tgt Ion:225 Resp: 1128568

Ion Ratio Lower Upper

225 100

223 63.3 50.7 76.1

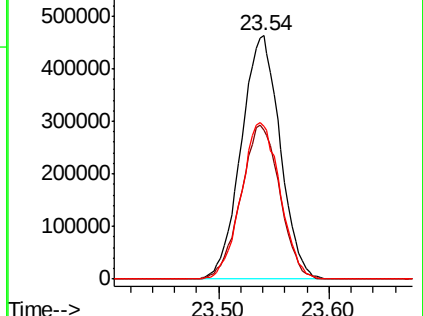
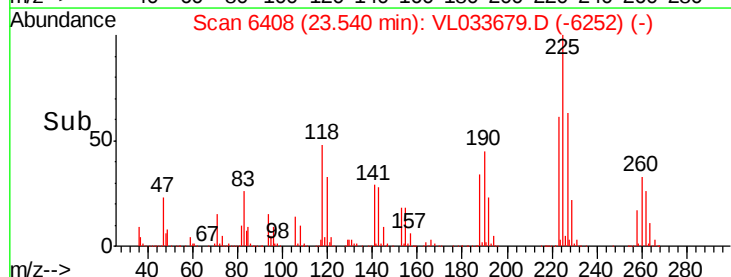
227 64.2 51.4 77.2

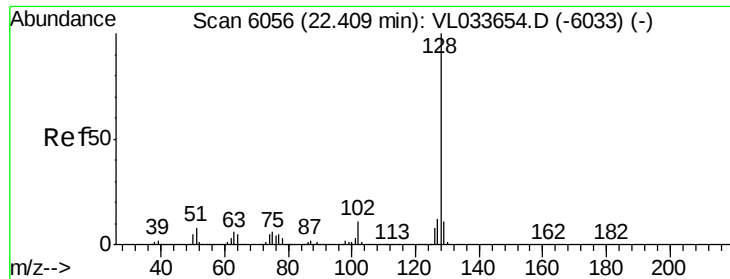


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.336 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

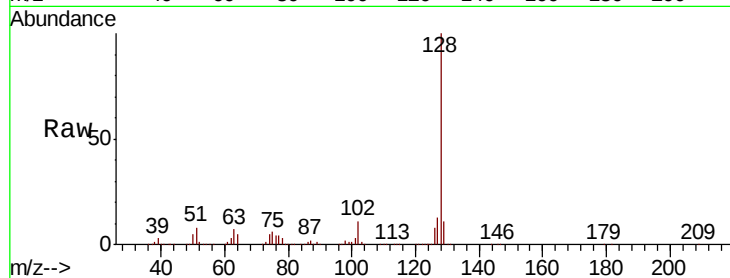
Tgt Ion:128 Resp: 2922995

Ion Ratio Lower Upper

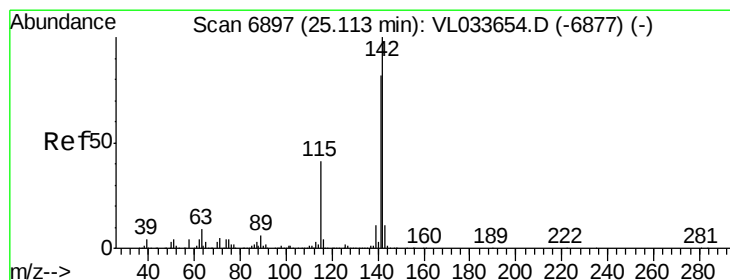
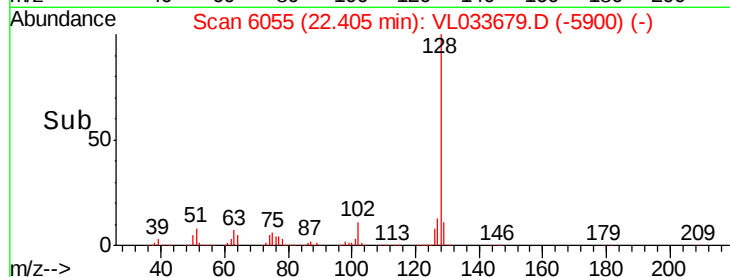
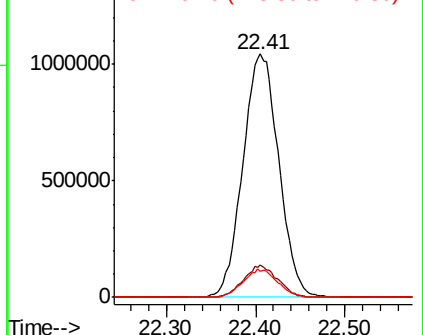
128 100

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: 6.495 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.01 min

Lab File: VL033679.D

Acq: 7 May 2019 13:01

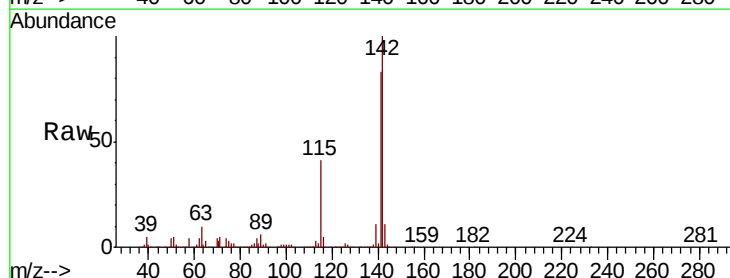
Tgt Ion:142 Resp: 978355

Ion Ratio Lower Upper

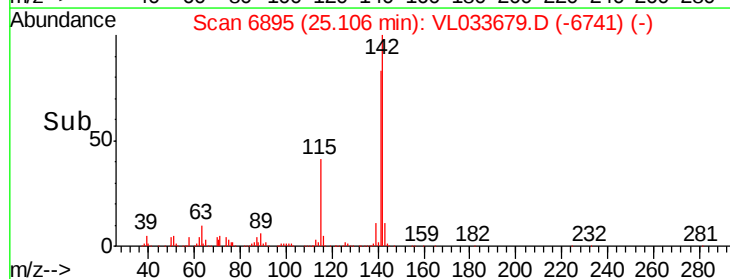
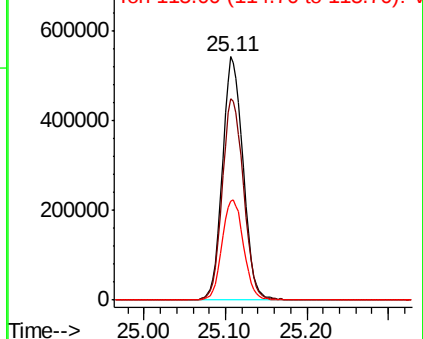
142 100

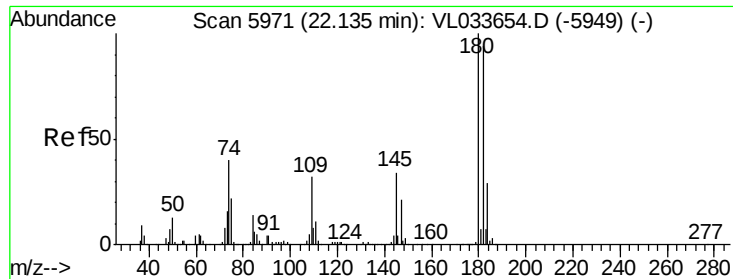
141 85.5 67.9 101.9

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

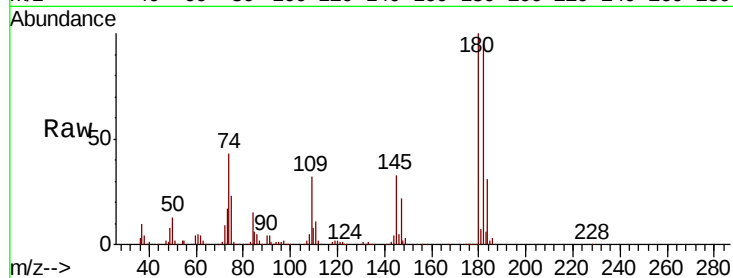




#81
 1,2,4-Trichlorobenzene
 Concen: 7.002 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033679.D
 Acq: 7 May 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tgt 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

