

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033677.D
 Acq On : 7 May 2019 10:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 08 02:22:42 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	1017746	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2445612	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3104906	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2033519	7.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	1676153	7.022	ppbv	100
3) Chlorodifluoromethane	3.01	51	1215692	8.271	ppbv	99
4) Chloromethane	3.17	50	649348	8.498	ppbv	99
5) Vinyl Chloride	3.29	62	661720	8.907	ppbv	100
6) Bromomethane	3.51	94	422897	8.961	ppbv	95
7) Chloroethane	3.60	64	244111	9.051	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1629770	8.295	ppbv	99
9) Propene	3.03	41	511137	9.122	ppbv	99
10) Heptane	8.24	43	1297605	9.383	ppbv	98
11) Trichlorofluoromethane	4.00	101	1916387	8.598	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1289940	8.608	ppbv	100
13) Ethanol	3.65	45	149755	8.904	ppbv	96
14) Bromoethene	3.79	108	545594	9.237	ppbv	99
15) Acetone	3.90	43	1251128	8.263	ppbv	97
16) 1,3-Butadiene	3.36	39	552122	8.503	ppbv	96
17) tert-Butyl alcohol	4.35	59	1142721	9.937	ppbv	100
18) 1,1-Dichloroethene	4.35	96	585484	9.050	ppbv	97
19) Isopropyl Alcohol	4.02	45	901535	9.692	ppbv #	98
20) Methylene Chloride	4.40	84	488238	8.493	ppbv	99
21) Allyl Chloride	4.47	41	848571	9.259	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	601256	9.258	ppbv	97
23) Vinyl Acetate	5.15	43	1986307	10.096	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1356555	9.115	ppbv	99
25) Ethyl Acetate	5.76	43	2327059	9.447	ppbv	100
26) Hexane	5.77	57	1023648	9.668	ppbv	100
27) Carbon Disulfide	4.62	76	1441271	9.951	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1782592	9.995	ppbv	100
29) Chloroform	5.84	83	1751935	9.202	ppbv	99
30) Cyclohexane	7.24	84	879387	9.889	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	1075543	10.210	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1759695	8.951	ppbv	100
34) 2-Butanone	5.32	43	1547788	9.883	ppbv	98
35) Carbon Tetrachloride	7.13	117	1859032	9.249	ppbv	98
36) Benzene	7.00	78	2115921	9.649	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1335302	8.727	ppbv	100
38) Trichloroethene	7.96	130	864747	10.750	ppbv	96
39) 1,2-Dichloropropane	7.73	63	793006	9.703	ppbv	99
40) 1,4-Dioxane	7.95	88	329040	10.073	ppbv	90
41) Tetrahydrofuran	6.14	42	871893	10.773	ppbv	99
42) Bromodichloromethane	7.91	83	1896579	9.600	ppbv	96
43) Methyl Methacrylate	8.13	69	865914	10.497	ppbv	99

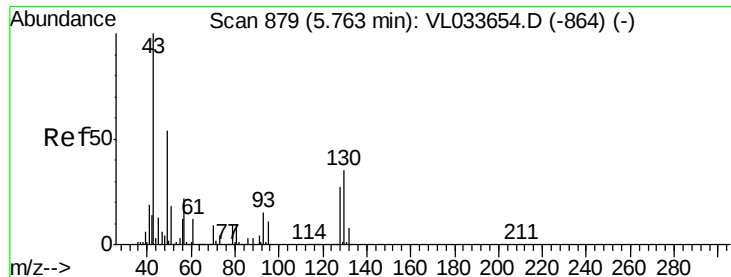
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033677.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3566398	9.511	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1202961	11.882	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1355446	10.727	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	906733	9.660	ppbv	98
48) Dibromochloromethane	10.44	129	1627377	10.228	ppbv	100
49) Bromoform	13.20	173	1441101	10.427	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	2324643	9.803	ppbv	100
51) 2-Hexanone	10.26	43	1918596	10.443	ppbv #	99
52) Tetrachloroethene	11.37	164	824223	10.609	ppbv	97
53) Toluene	9.94	91	2521582	10.642	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1448934	10.248	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	1102476	7.698	ppbv	100
57) Chlorobenzene	12.30	112	1935876	7.594	ppbv	99
58) Ethyl Benzene	12.86	91	3450929	8.523	ppbv	99
59) m/p-Xylene	13.15	91	2981923	8.361	ppbv #	37
60) o-Xylene	13.85	91	2882464	7.986	ppbv	99
61) Styrene	13.68	104	2184990	9.091	ppbv	99
62) Isopropylbenzene	14.82	105	3918249	7.951	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1976101	7.523	ppbv	100
64) n-propylbenzene	15.72	120	999404	7.848	ppbv	98
65) tert-Butylbenzene	16.90	119	3556007	7.866	ppbv	99
66) Benzyl Chloride	17.15	91	1997858	9.715	ppbv	99
67) sec-Butylbenzene	17.45	105	4878859	7.735	ppbv	100
69) p-Isopropyltoluene	17.81	119	3956635	7.614	ppbv	100
70) n-Butylbenzene	18.71	91	4235652	7.686	ppbv	100
71) 2-Chlorotoluene	15.61	91	2961470	8.134	ppbv	100
72) 4-Ethyltoluene	16.00	105	3408728	8.035	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3235368	7.888	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3388157	7.431	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	1959914	7.117	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1962302	7.508	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1790186	7.017	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1405646	6.952	ppbv	100
79) Naphthalene	22.40	128	2789964	6.702	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1134223	7.207	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1548908	6.404	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033677.D

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MSVOA_L

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VSTDCCC010

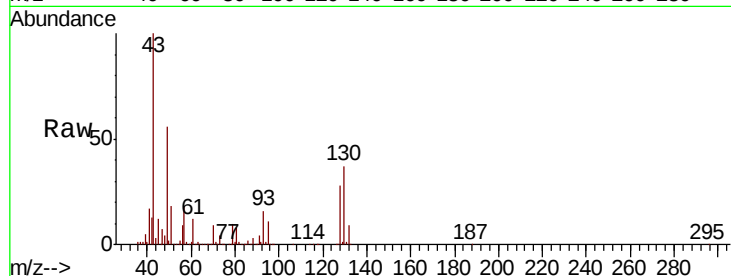
Tgt Ion: 49 Resp: 1017746

Ion Ratio Lower Upper

49 100

128 50.4 24.8 74.3

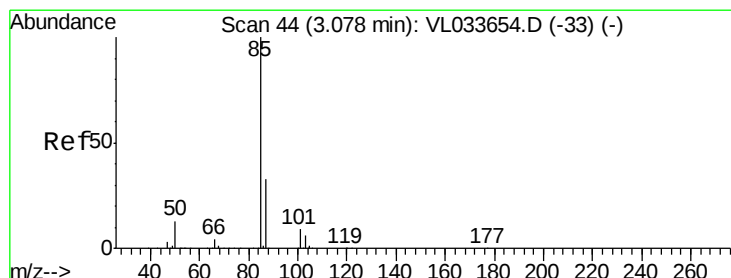
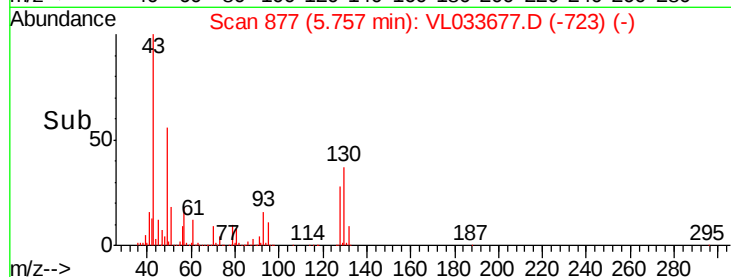
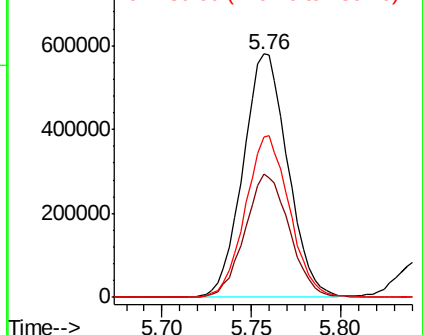
130 65.9 32.1 96.5



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: 7.022 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.01 min

Lab File: VL033677.D

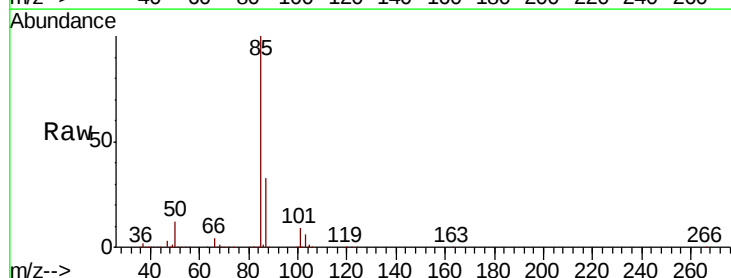
Acq: 7 May 2019 10:51

Tgt Ion: 85 Resp: 1676153

Ion Ratio Lower Upper

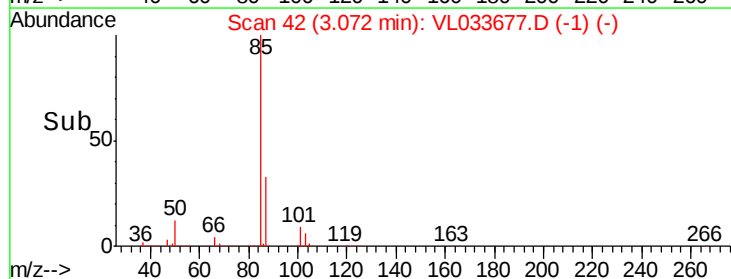
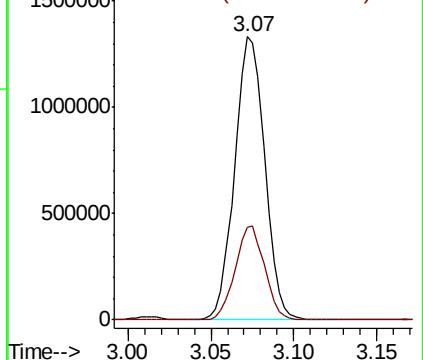
85 100

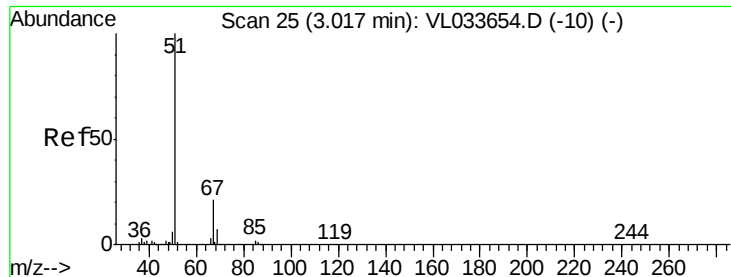
87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

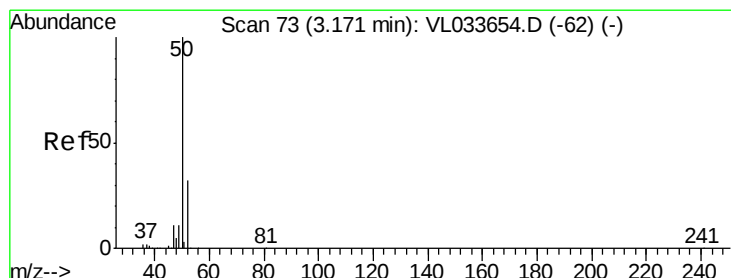
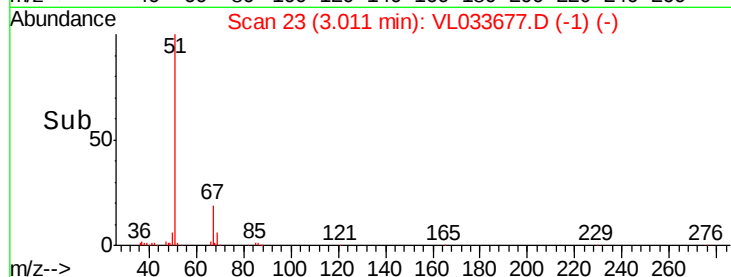
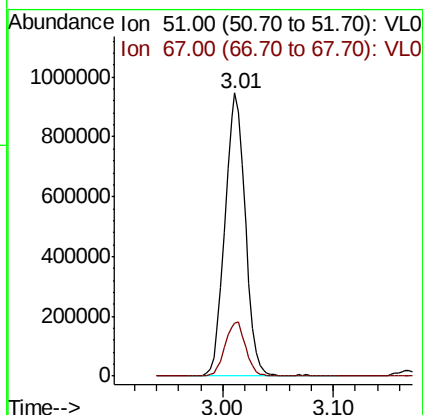
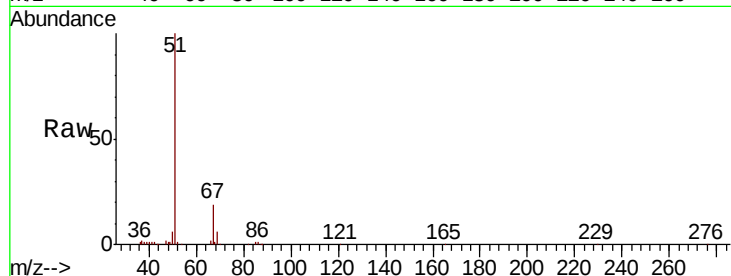




#3
 Chlorodifluoromethane
 Concen: 8.271 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

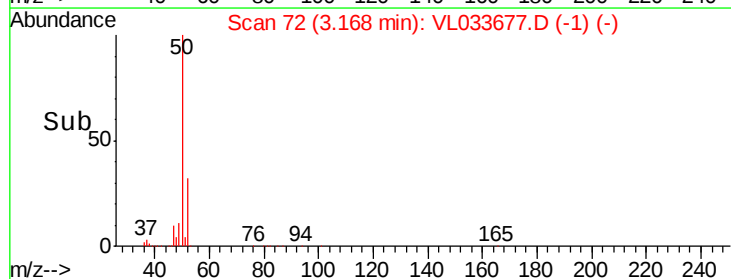
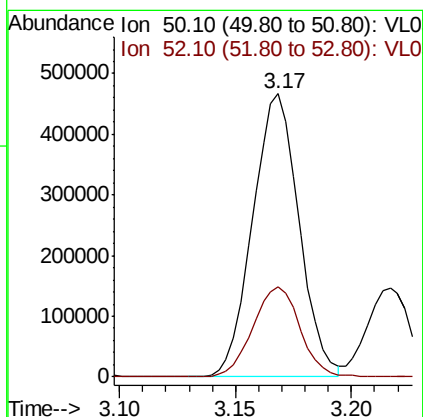
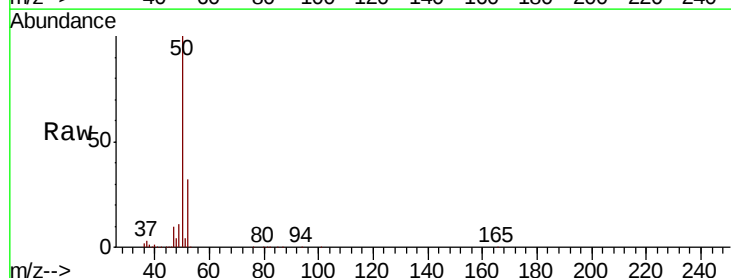
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

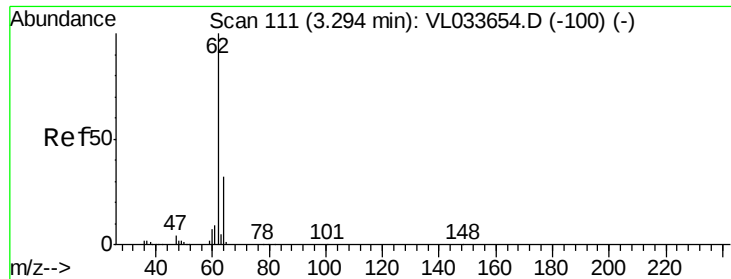
Tgt Ion: 51 Resp: 1215692
 Ion Ratio Lower Upper
 51 100
 67 19.2 15.7 23.5



#4
 Chloromethane
 Concen: 8.498 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 50 Resp: 649348
 Ion Ratio Lower Upper
 50 100
 52 31.8 25.8 38.8





#5

Vinyl Chloride

Concen: 8.907 ppbv

RT: 3.29 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

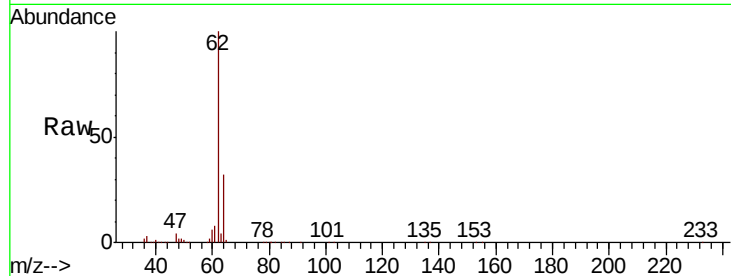
VSTDCCC010

Tgt Ion: 62 Resp: 661720

Ion Ratio Lower Upper

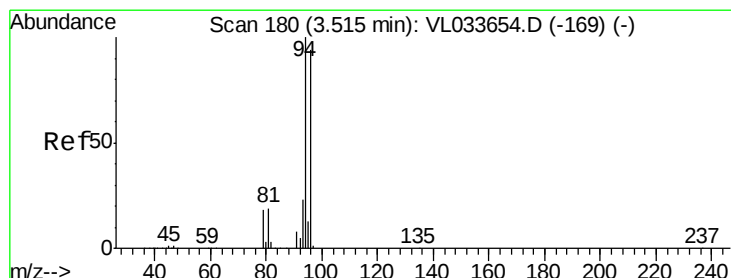
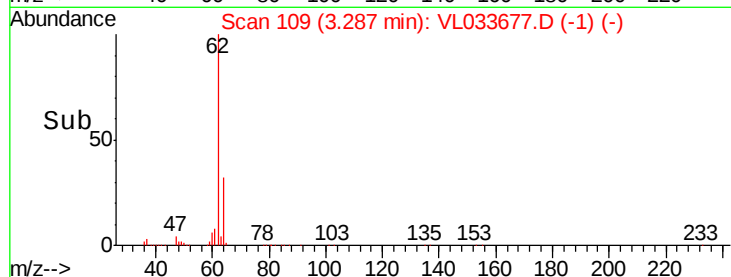
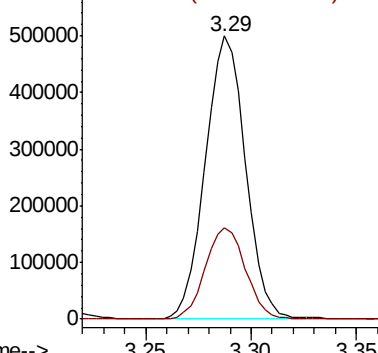
62 100

64 32.3 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: 8.961 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033677.D

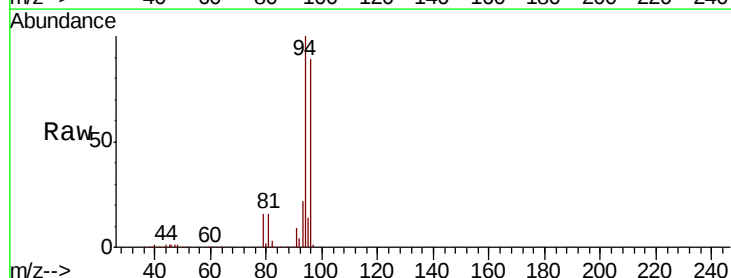
Acq: 7 May 2019 10:51

Tgt Ion: 94 Resp: 422897

Ion Ratio Lower Upper

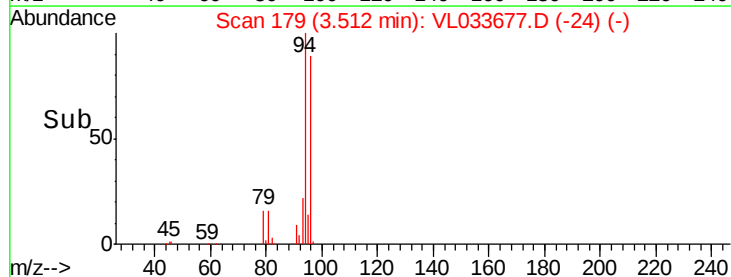
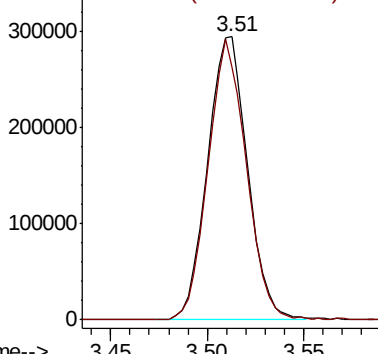
94 100

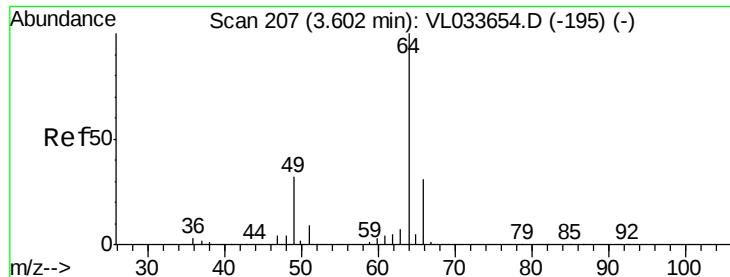
96 89.4 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.051 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

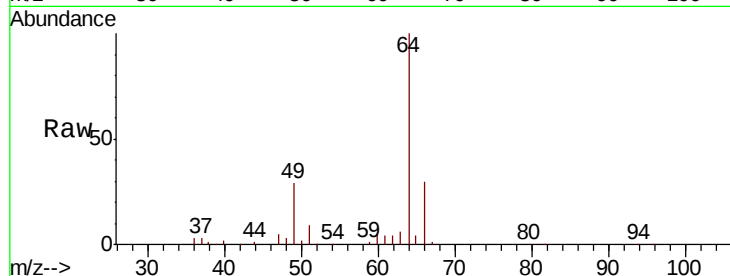
VSTDCCC010

Tgt Ion: 64 Resp: 244111

Ion Ratio Lower Upper

64 100

66 29.6 25.1 37.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

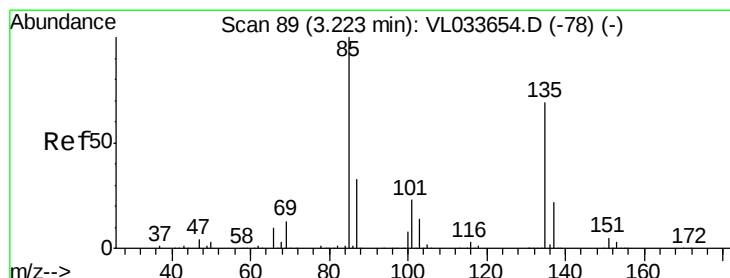
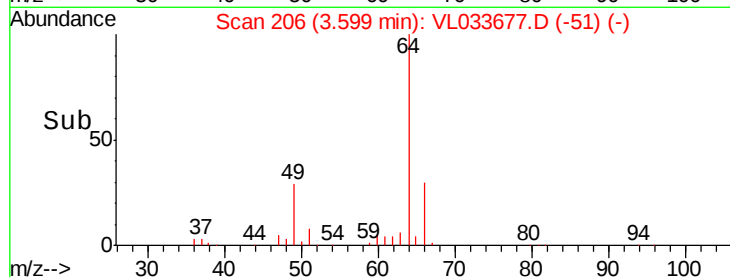
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.295 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033677.D

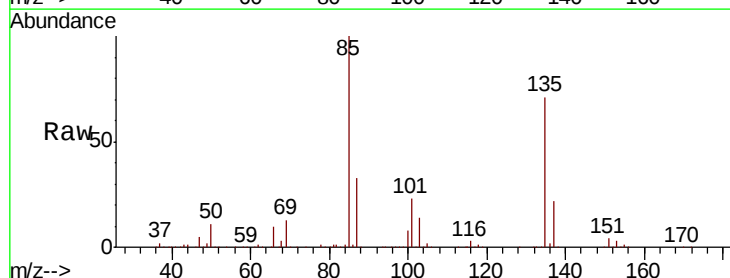
Acq: 7 May 2019 10:51

Tgt Ion: 85 Resp: 1629770

Ion Ratio Lower Upper

85 100

135 69.0 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

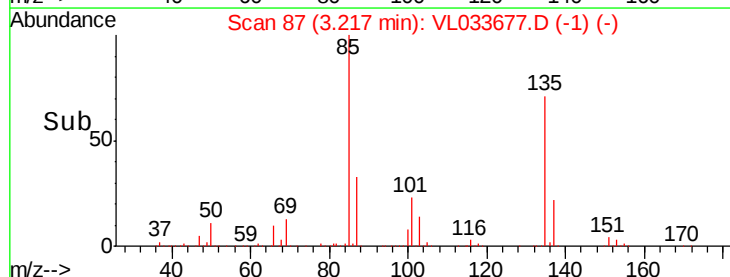
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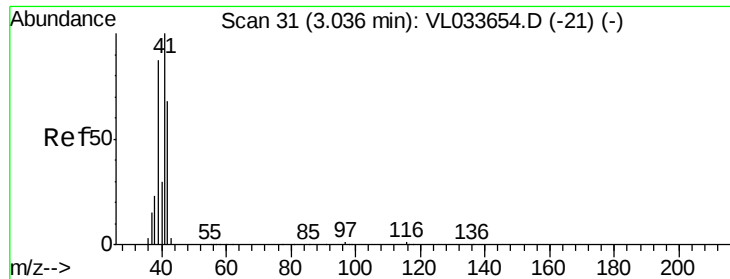
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500000

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Time-->





#9

Propene

Concen: 9.122 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

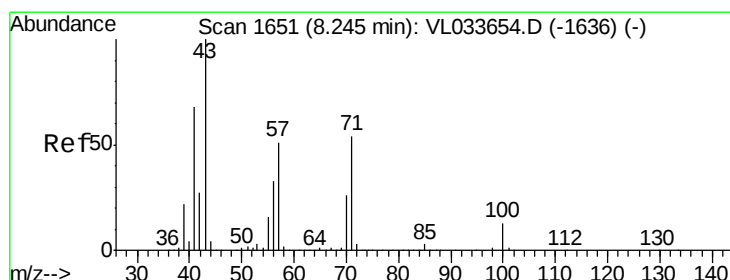
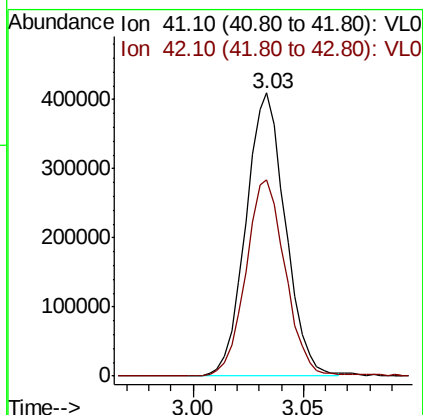
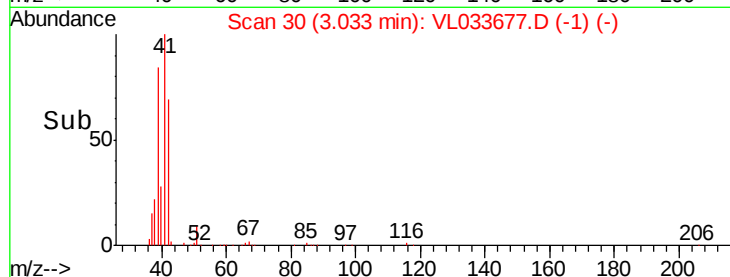
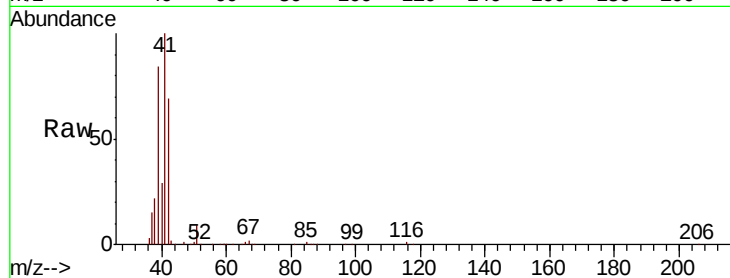
VSTDCCC010

Tgt Ion: 41 Resp: 511137

Ion Ratio Lower Upper

41 100

42 70.0 55.6 83.4



#10

Heptane

Concen: 9.383 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL033677.D

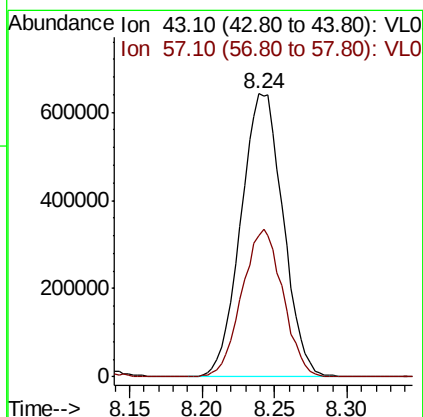
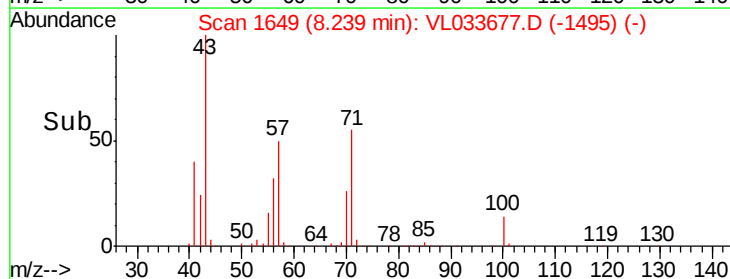
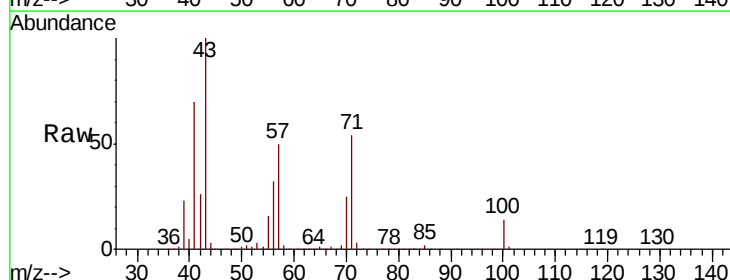
Acq: 7 May 2019 10:51

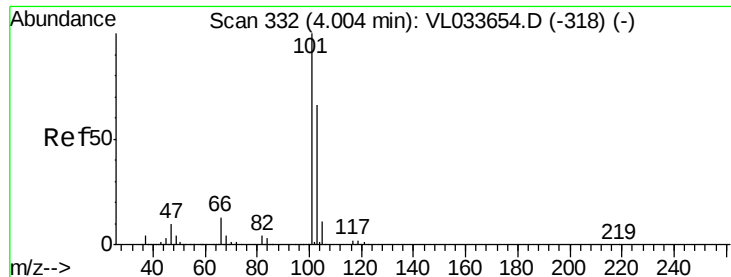
Tgt Ion: 43 Resp: 1297605

Ion Ratio Lower Upper

43 100

57 50.8 41.8 62.6





#11

Trichlorofluoromethane

Concen: 8.598 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

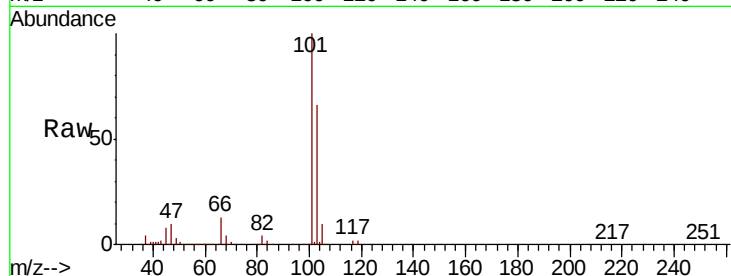
VSTDCCC010

Tgt Ion:101 Resp: 1916387

Ion Ratio Lower Upper

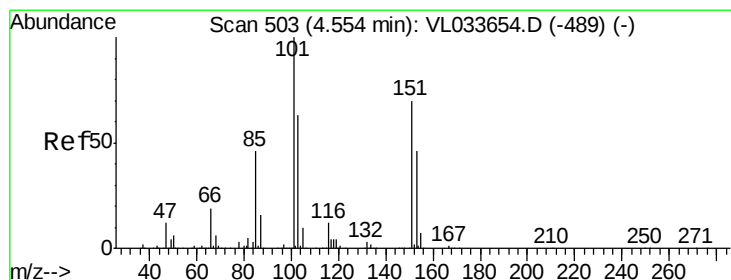
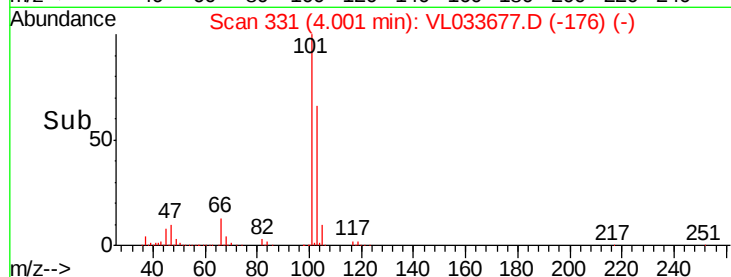
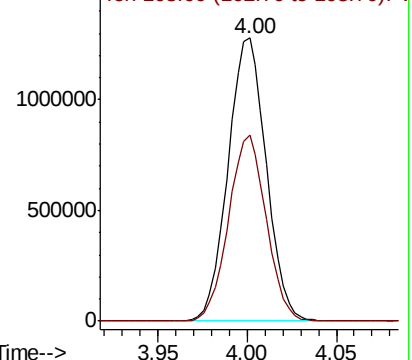
101 100

103 65.9 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.608 ppbv

RT: 4.55 min Scan# 501

Delta R.T. -0.01 min

Lab File: VL033677.D

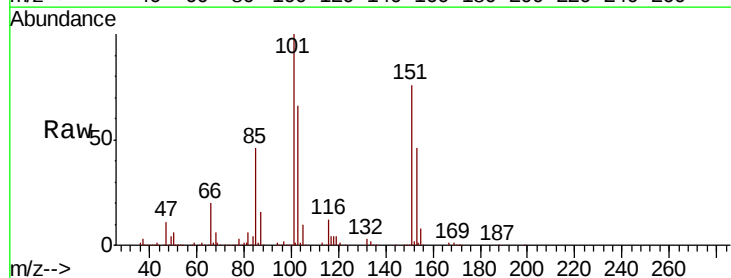
Acq: 7 May 2019 10:51

Tgt Ion:101 Resp: 1289940

Ion Ratio Lower Upper

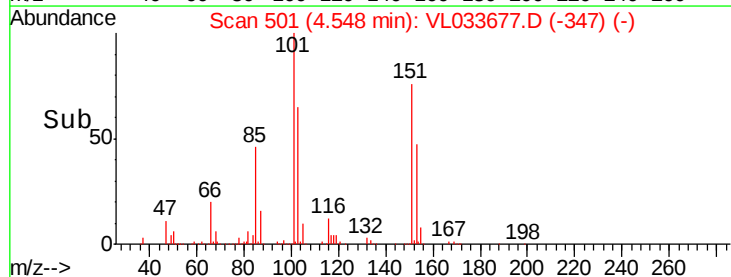
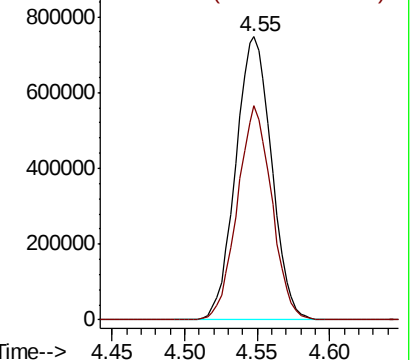
101 100

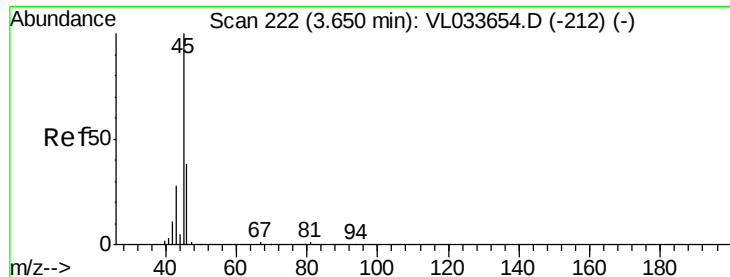
151 72.6 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

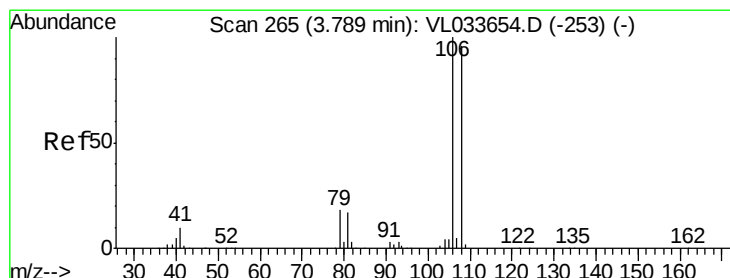
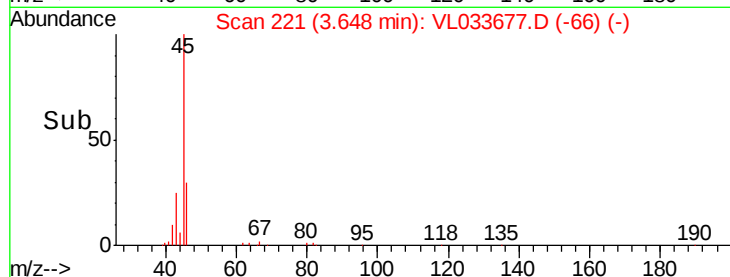
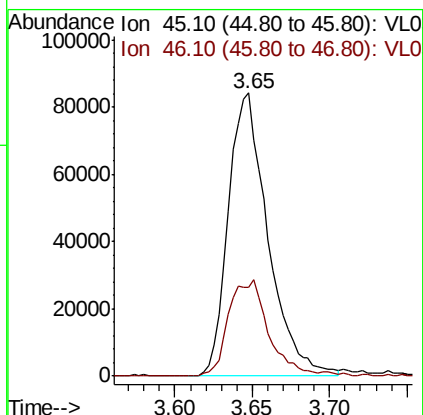
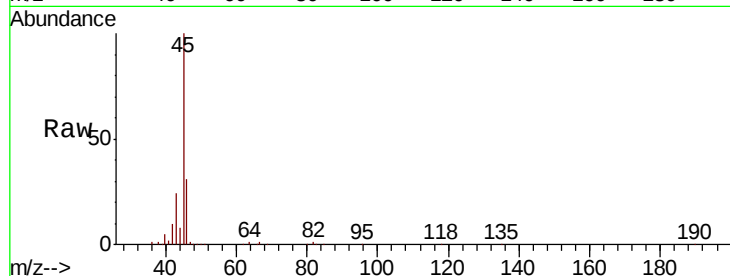




#13
Ethanol
Concen: 8.904 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

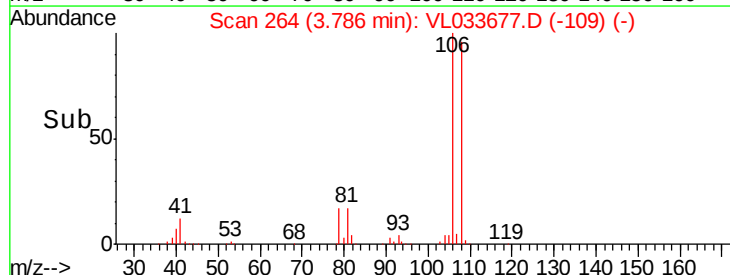
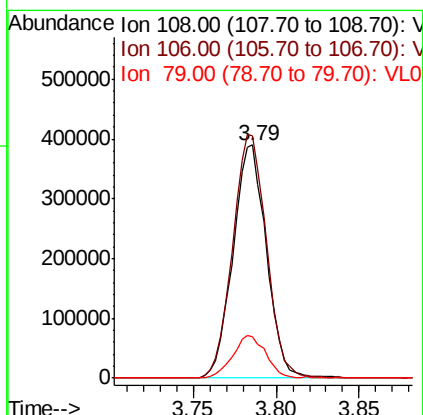
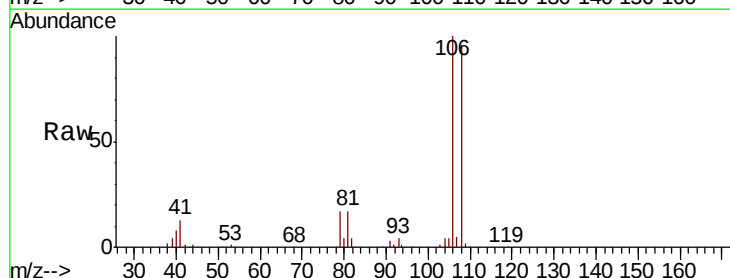
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

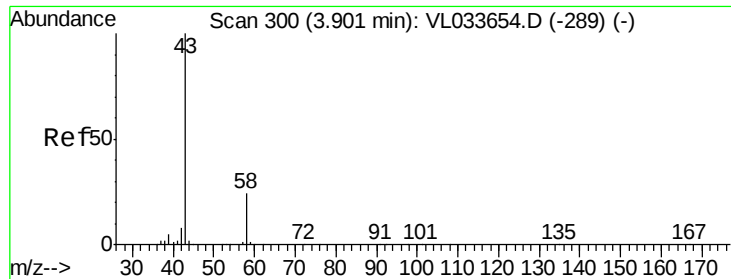
Tgt Ion: 45 Resp: 149755
Ion Ratio Lower Upper
45 100
46 35.0 14.9 59.7



#14
Bromoethene
Concen: 9.237 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 108 Resp: 545594
Ion Ratio Lower Upper
108 100
106 106.0 85.7 128.5
79 18.6 15.2 22.8





#15

Acetone

Concen: 8.263 ppbv

RT: 3.90 min Scan# 298

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

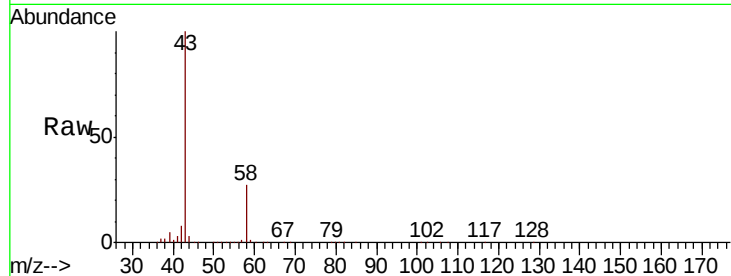
VSTDCCC010

Tgt Ion: 43 Resp: 1251128

Ion Ratio Lower Upper

43 100

58 27.4 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

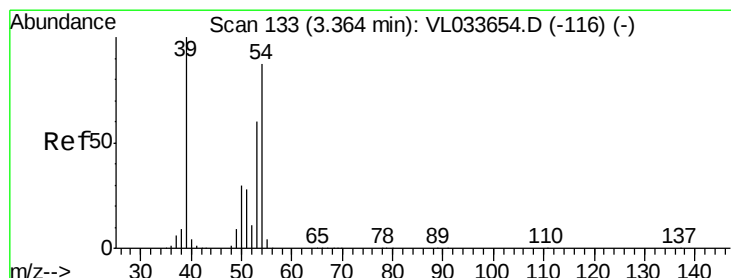
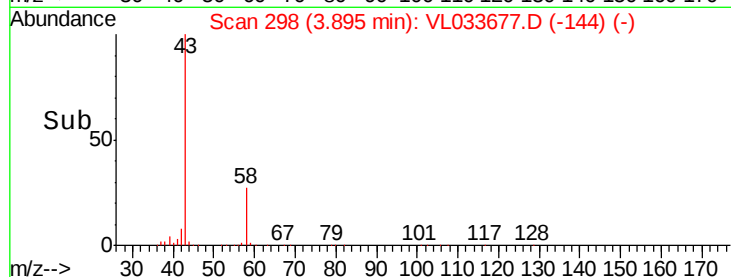
400000

200000

0

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 8.503 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL033677.D

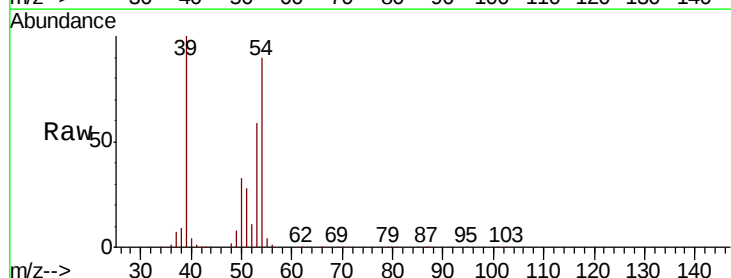
Acq: 7 May 2019 10:51

Tgt Ion: 39 Resp: 552122

Ion Ratio Lower Upper

39 100

54 87.4 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

300000

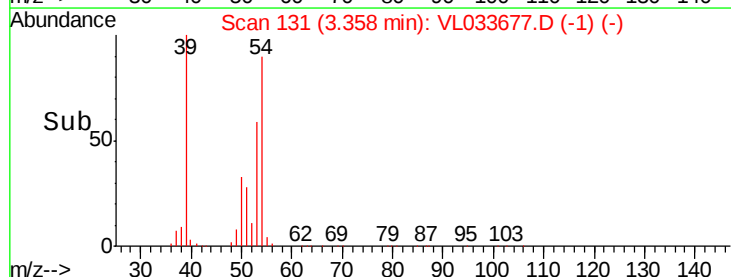
200000

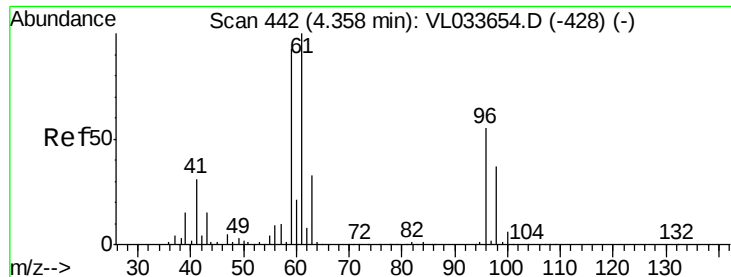
100000

0

3.30 3.35 3.40

Time-->

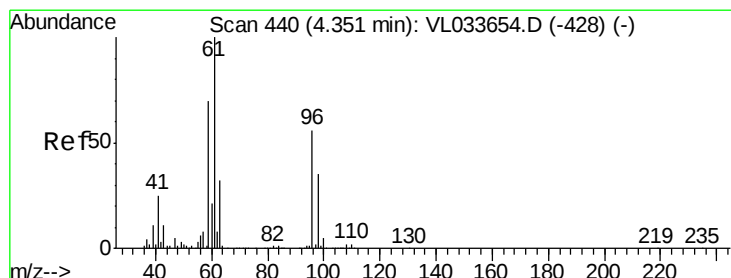
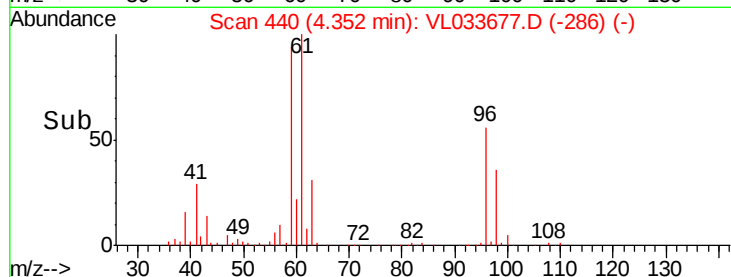
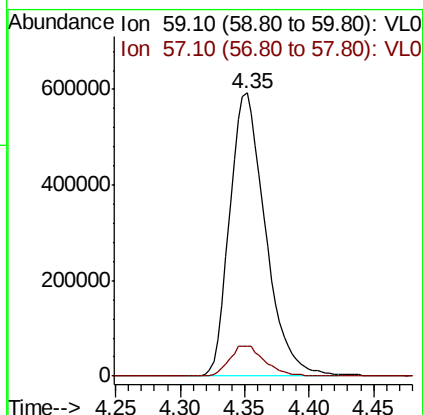
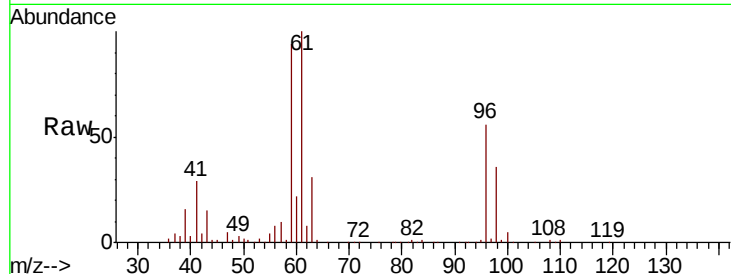




#17
 tert-Butyl alcohol
 Concen: 9.937 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

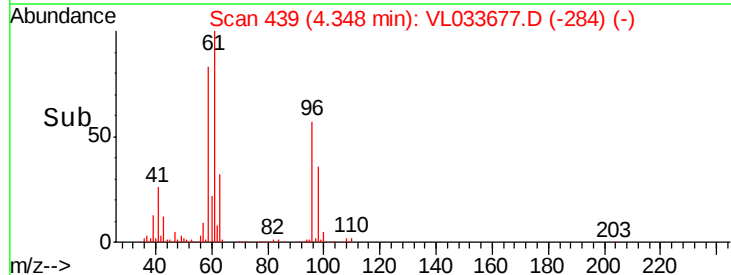
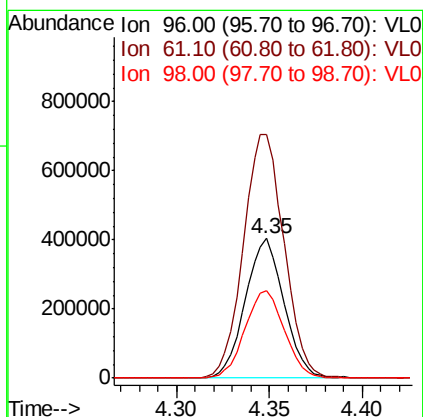
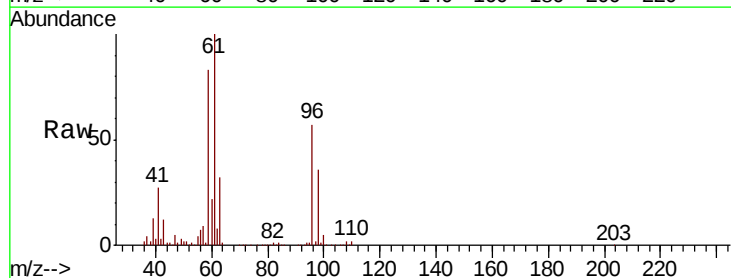
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

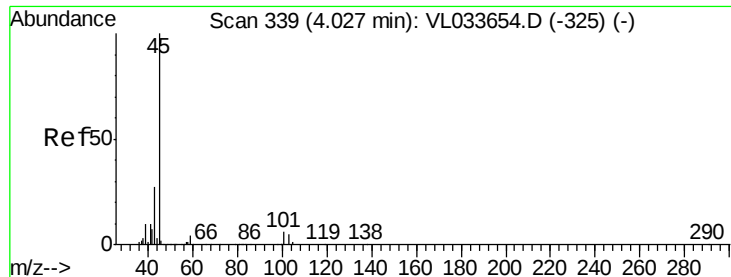
Tgt Ion: 59 Resp: 1142721
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 9.050 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 96 Resp: 585484
 Ion Ratio Lower Upper
 96 100
 61 174.4 143.4 215.0
 98 62.4 50.4 75.6





#19

Isopropyl Alcohol

Concen: 9.692 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

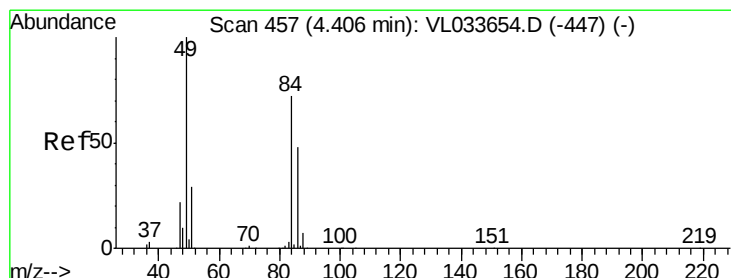
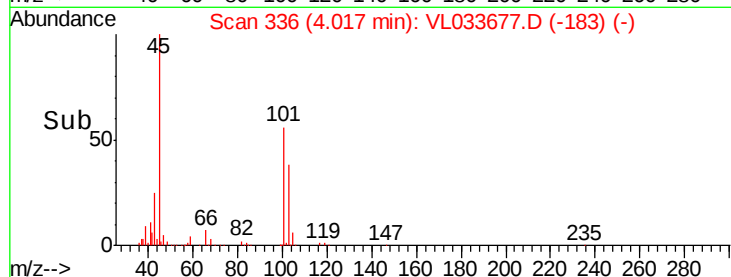
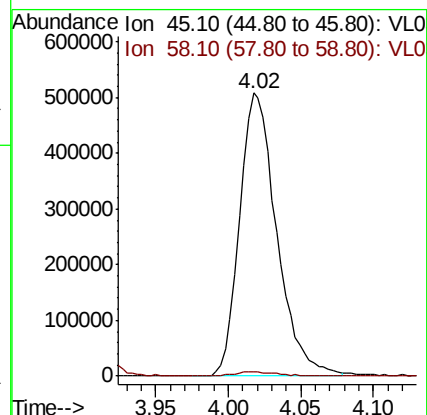
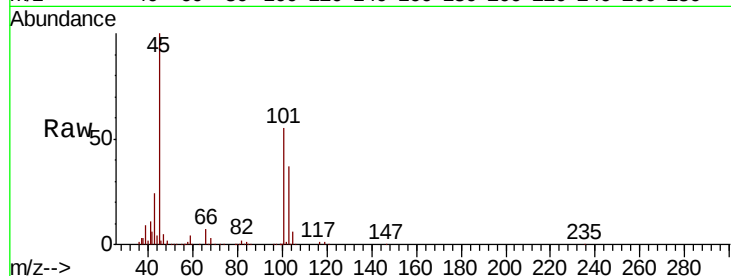
VSTDCCC010

Tgt Ion: 45 Resp: 901535

Ion Ratio Lower Upper

45 100

58 1.7 2.0 3.0#



#20

Methylene Chloride

Concen: 8.493 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Tgt Ion: 84 Resp: 488238

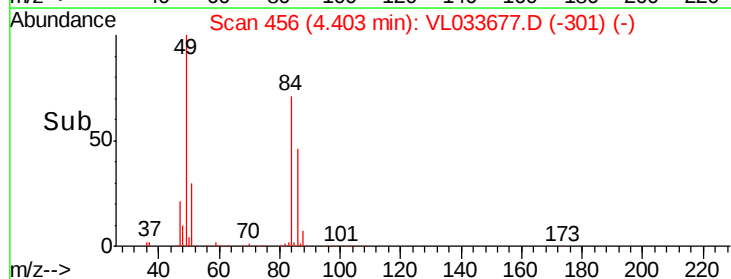
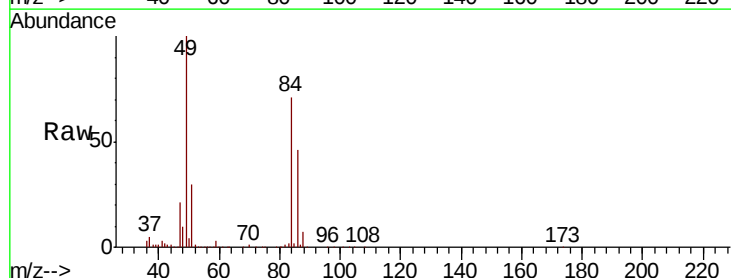
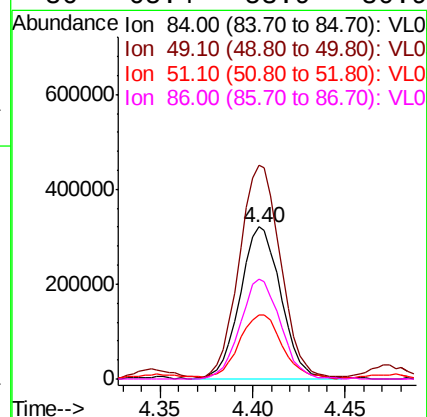
Ion Ratio Lower Upper

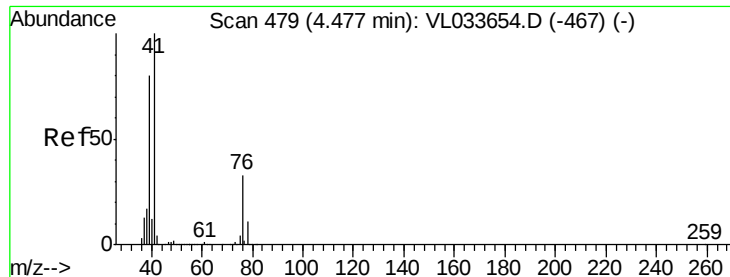
84 100

49 139.7 111.8 167.6

51 41.7 32.3 48.5

86 65.4 53.9 80.9

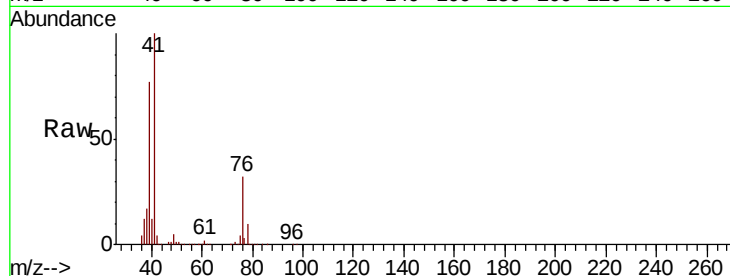




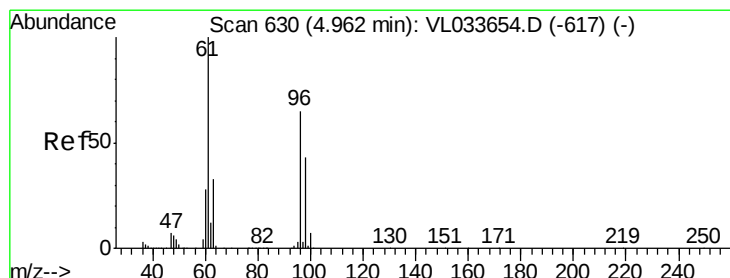
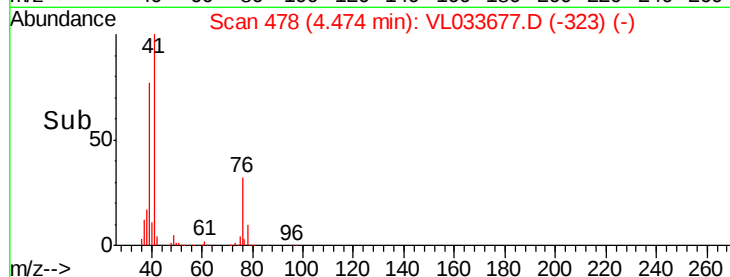
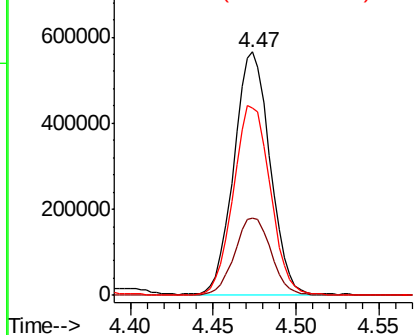
#21
 Allyl Chloride
 Concen: 9.259 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 848571
 Ion Ratio Lower Upper
 41 100
 76 32.7 26.0 39.0
 39 80.8 64.4 96.6

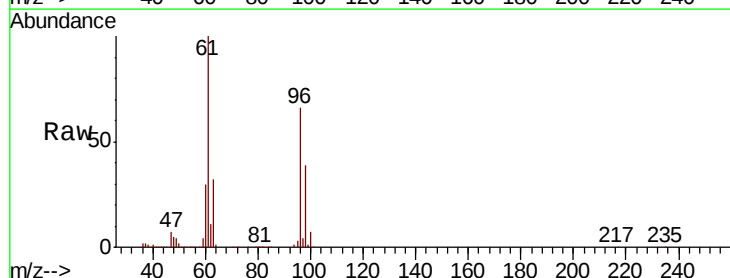


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

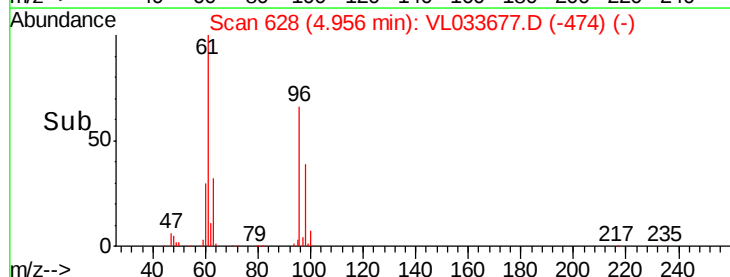
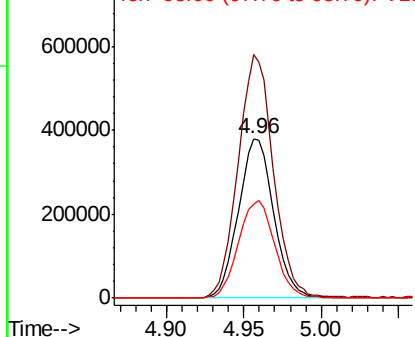


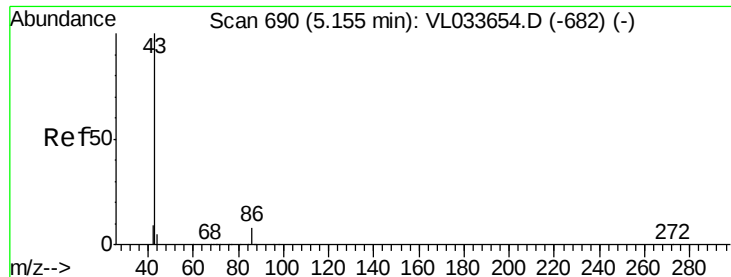
#22
 trans-1,2-Dichloroethene
 Concen: 9.258 ppbv
 RT: 4.96 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 96 Resp: 601256
 Ion Ratio Lower Upper
 96 100
 61 152.7 123.1 184.7
 98 59.2 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: 10.096 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

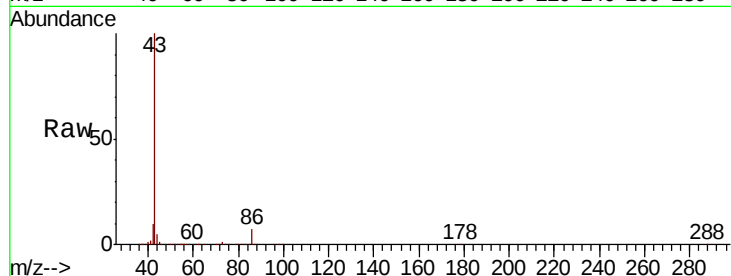
MSVOA_L

ClientSampleId :

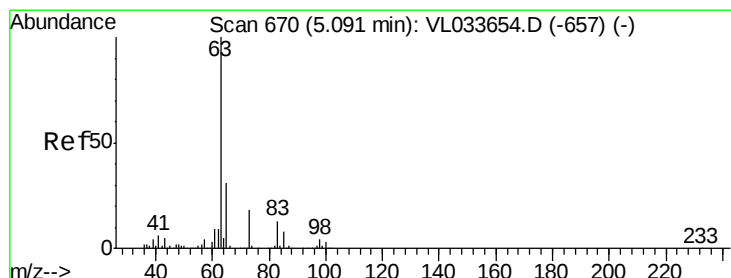
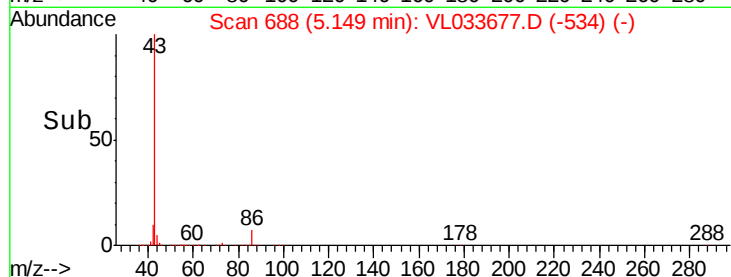
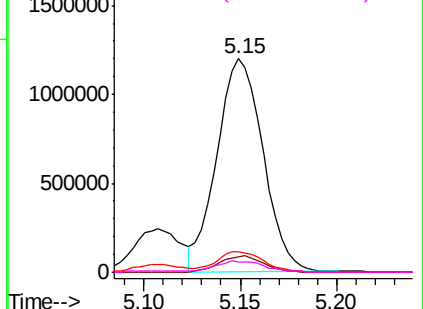
VSTDCCC010

Tgt Ion: 43 Resp: 1986307

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	9.7	8.0	12.0
44	4.9	3.9	5.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.115 ppbv

RT: 5.09 min Scan# 669

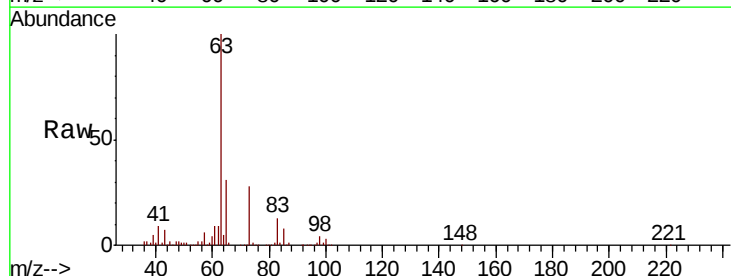
Delta R.T. -0.00 min

Lab File: VL033677.D

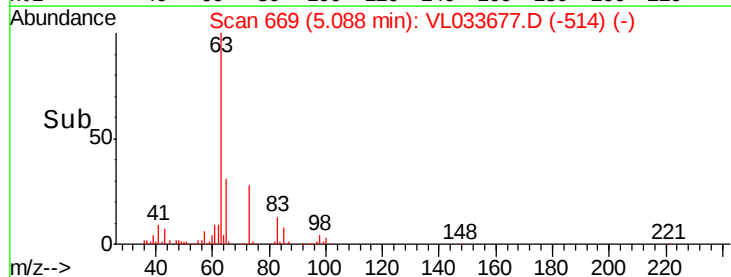
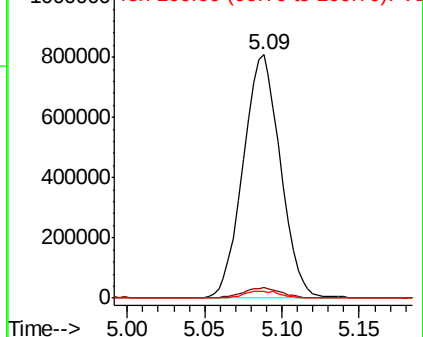
Acq: 7 May 2019 10:51

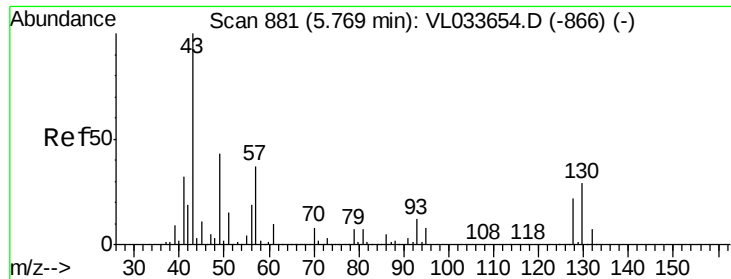
Tgt Ion: 63 Resp: 1356555

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.7	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



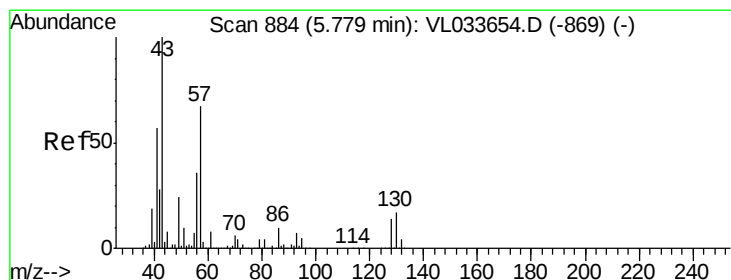
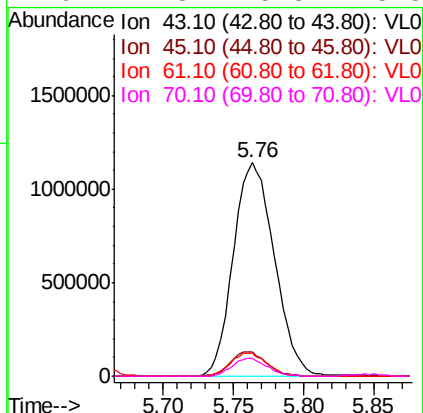
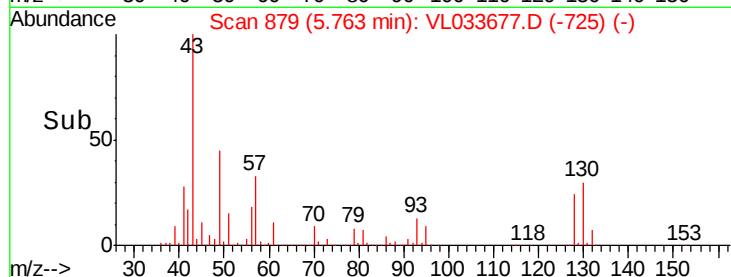
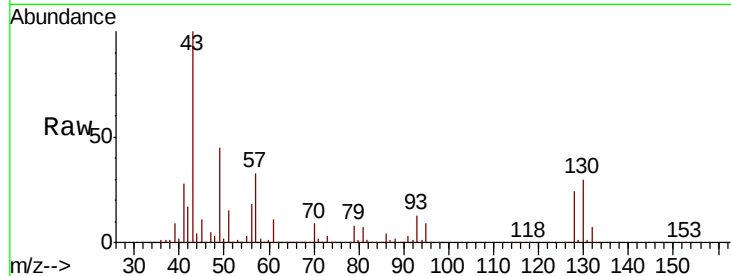


#25
Ethyl Acetate
Concen: 9.447 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2327059

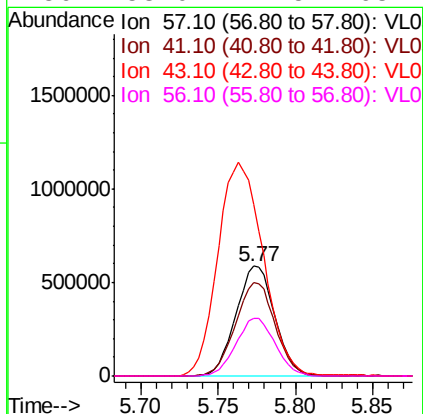
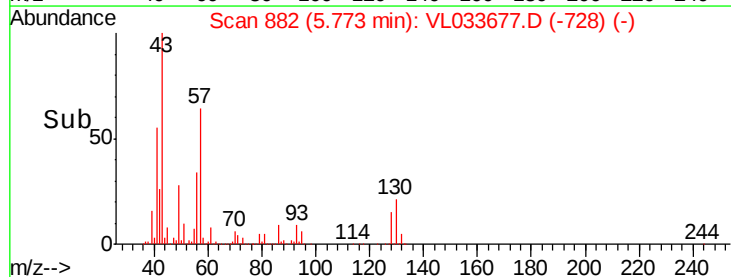
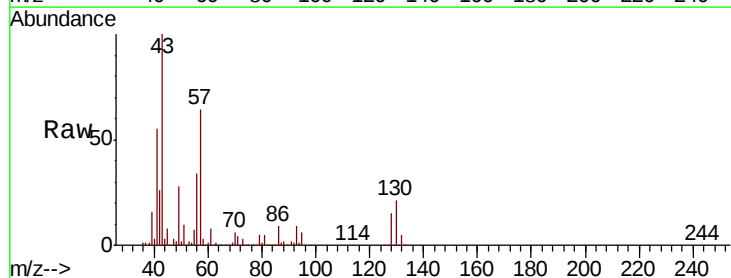
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.6	7.5	11.3
70	7.3	5.8	8.8

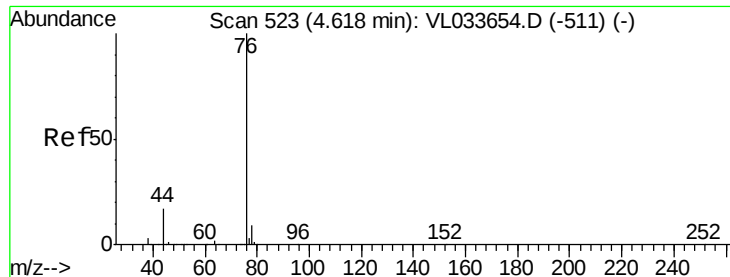


#26
Hexane
Concen: 9.668 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 57 Resp: 1023648

Ion	Ratio	Lower	Upper
57	100		
41	87.1	69.7	104.5
43	227.7	181.9	272.9
56	53.0	42.5	63.7

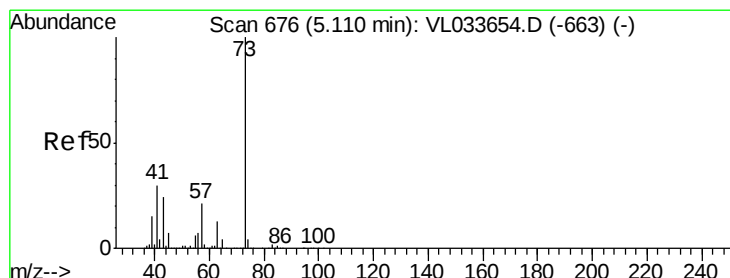
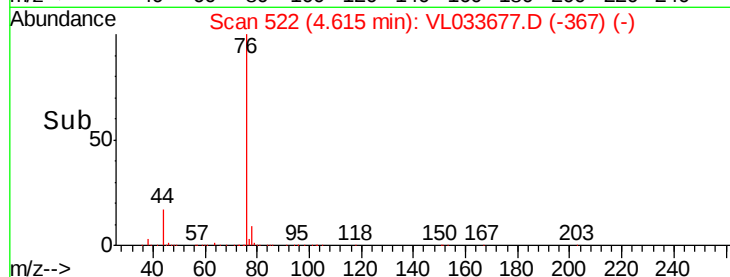
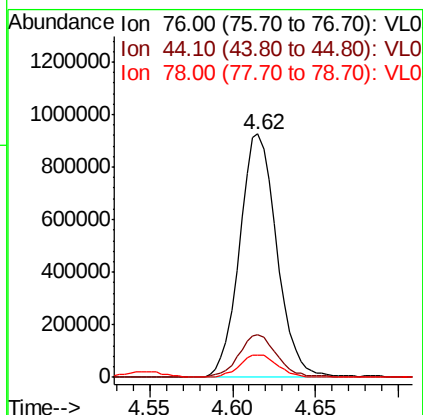
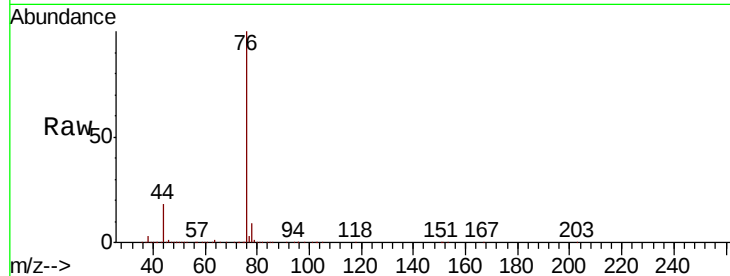




#27
Carbon Disulfide
Concen: 9.951 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

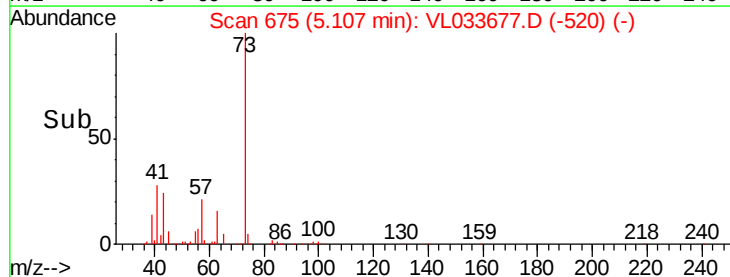
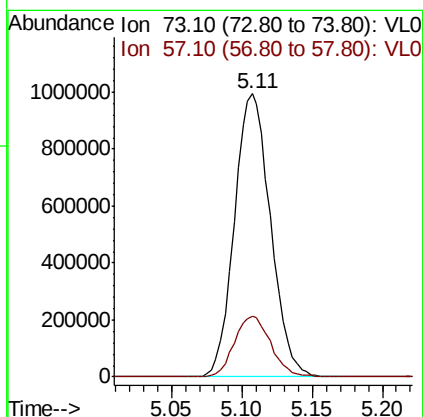
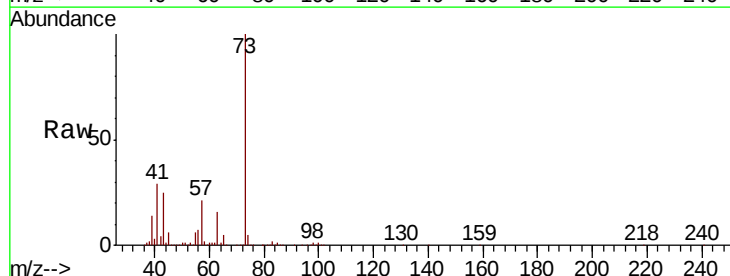
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

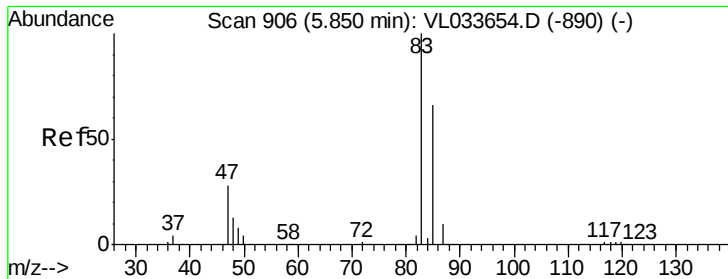
Tgt Ion: 76 Resp: 1441271
Ion Ratio Lower Upper
76 100
44 17.6 14.4 21.6
78 9.3 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 9.995 ppbv
RT: 5.11 min Scan# 675
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 73 Resp: 1782592
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0





#29

Chloroform

Concen: 9.202 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

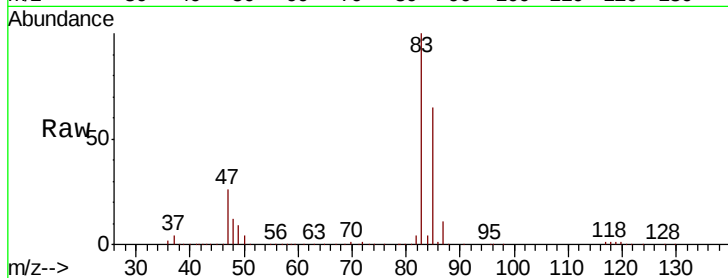
VSTDCCC010

Tgt Ion: 83 Resp: 1751935

Ion Ratio Lower Upper

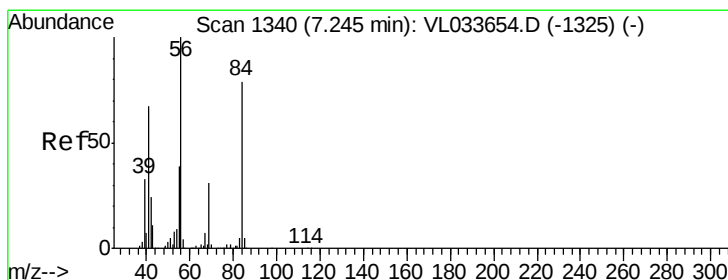
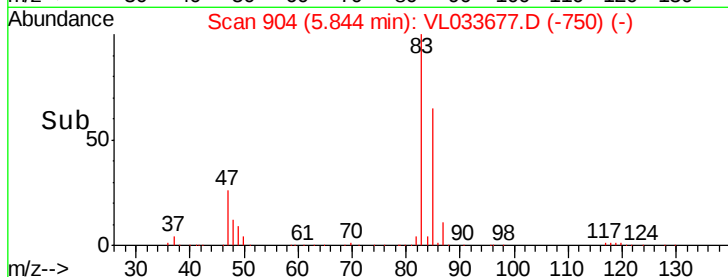
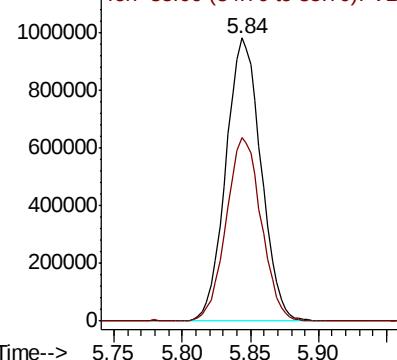
83 100

85 64.8 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.889 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

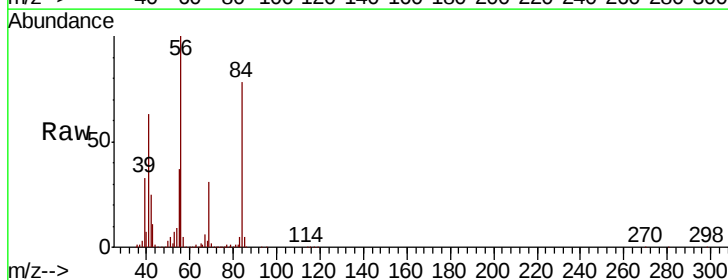
Tgt Ion: 84 Resp: 879387

Ion Ratio Lower Upper

84 100

56 133.2 107.0 160.4

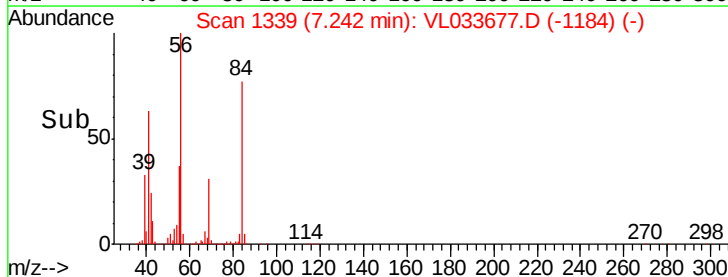
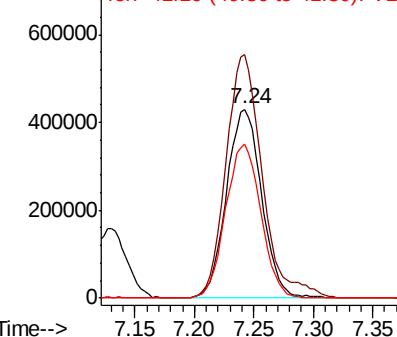
41 81.9 66.6 99.8

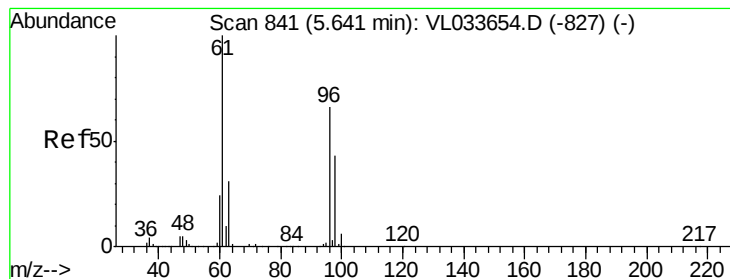


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



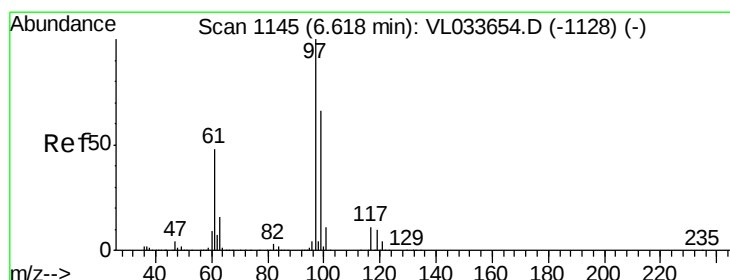
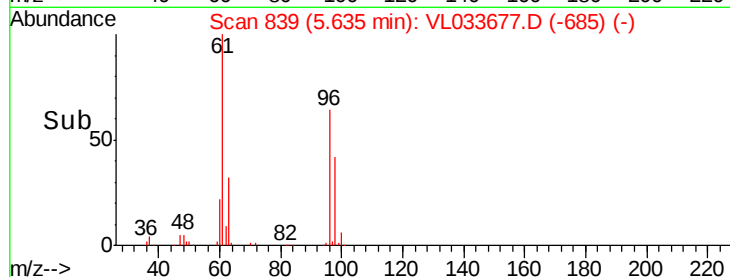
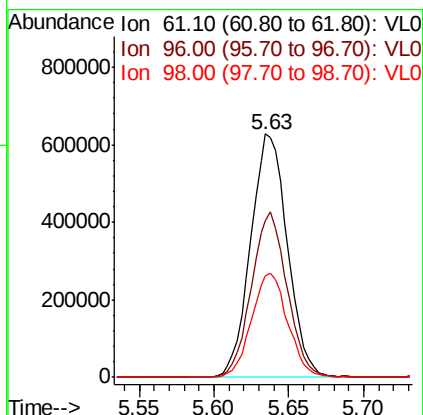
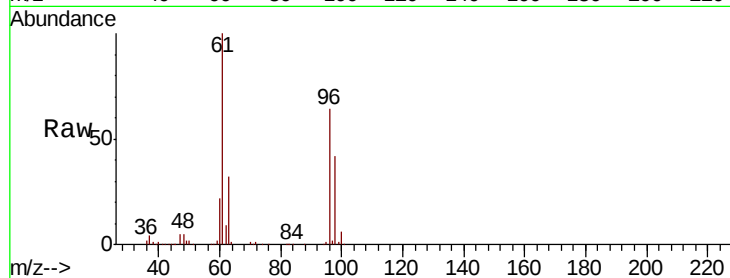


#31

cis-1,2-Dichloroethene
 Concen: 10.210 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

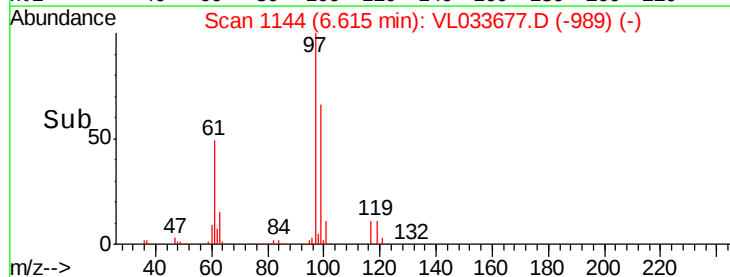
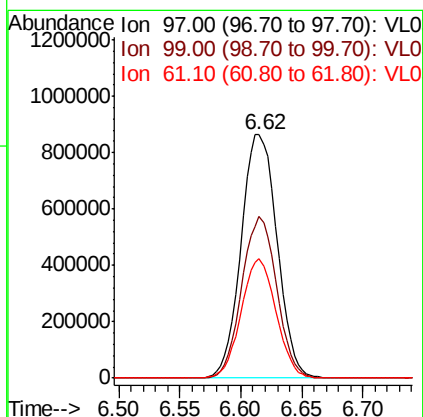
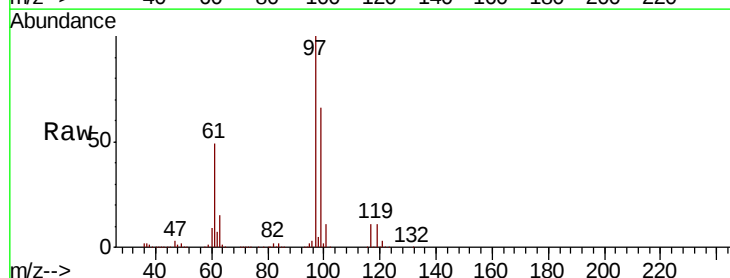
Tgt Ion: 61 Resp: 1075543
 Ion Ratio Lower Upper
 61 100
 96 64.5 53.2 79.8
 98 41.9 34.2 51.4

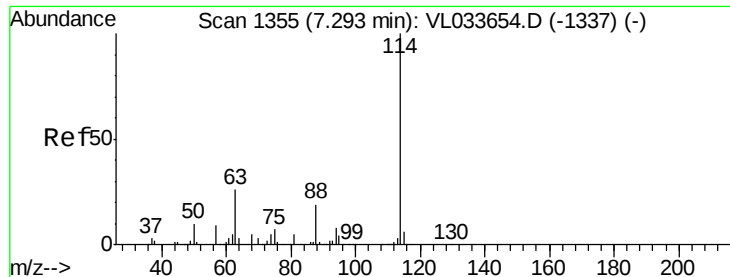


#32

1,1,1-Trichloroethane
 Concen: 8.951 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 97 Resp: 1759695
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.4 77.2
 61 47.6 38.5 57.7

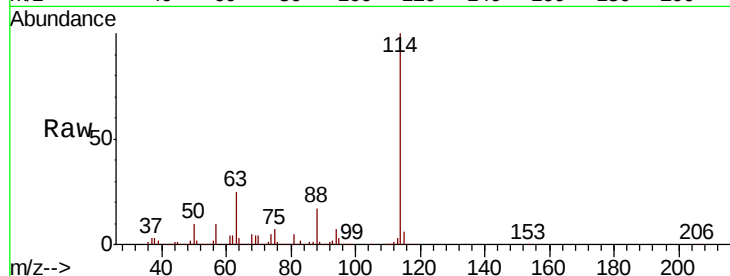




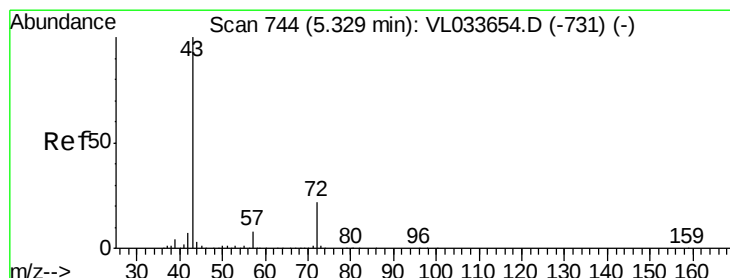
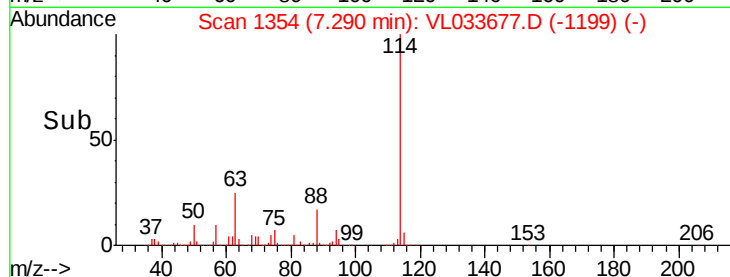
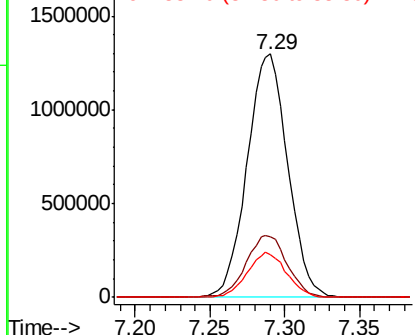
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 2445612
 Ion Ratio Lower Upper
 114 100
 63 26.1 21.3 31.9
 88 17.9 14.4 21.6

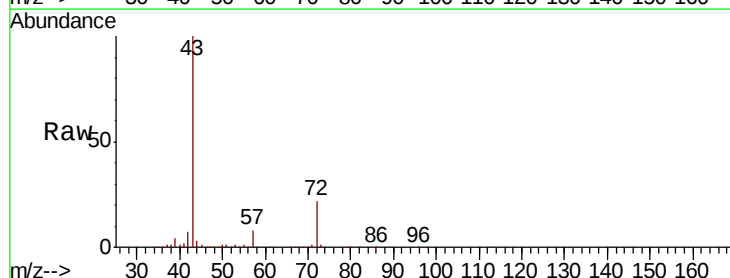


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

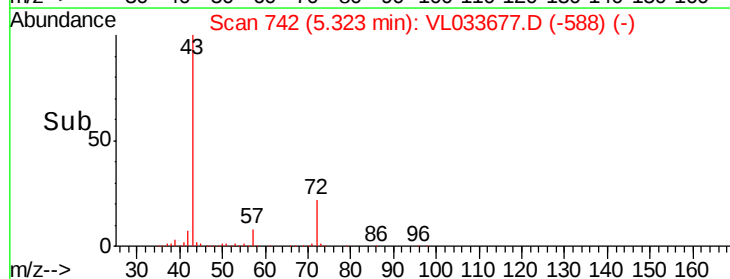
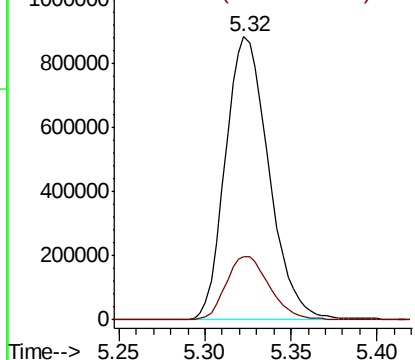


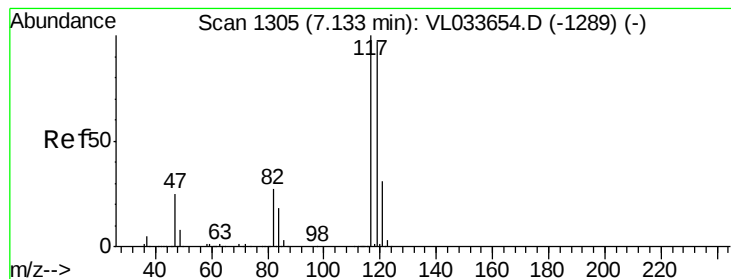
#34
 2-Butanone
 Concen: 9.883 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 43 Resp: 1547788
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.5 26.3



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





#35

Carbon Tetrachloride

Concen: 9.249 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

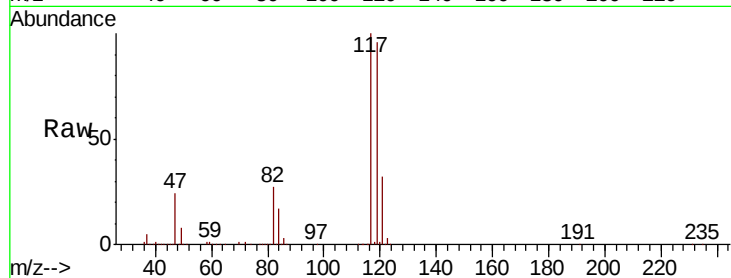
Tgt Ion:117 Resp: 1859032

Ion Ratio Lower Upper

117 100

119 95.6 77.9 116.9

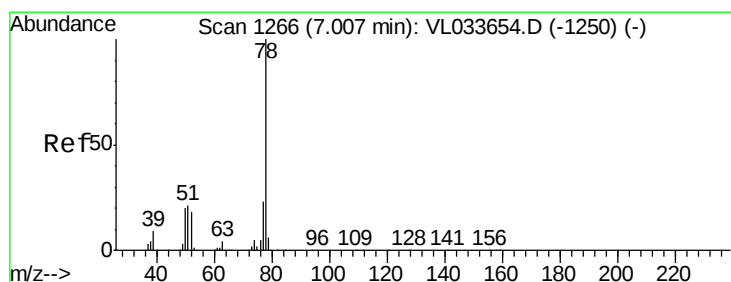
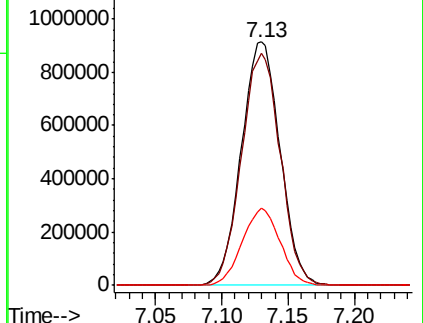
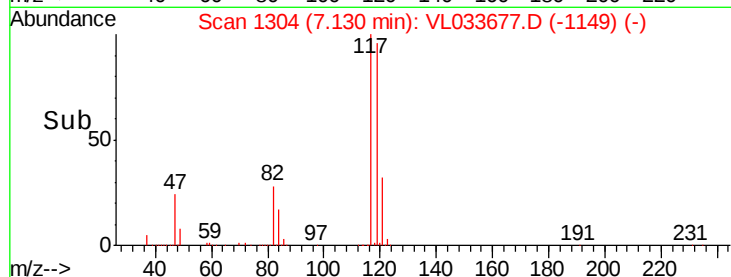
121 31.8 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.649 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

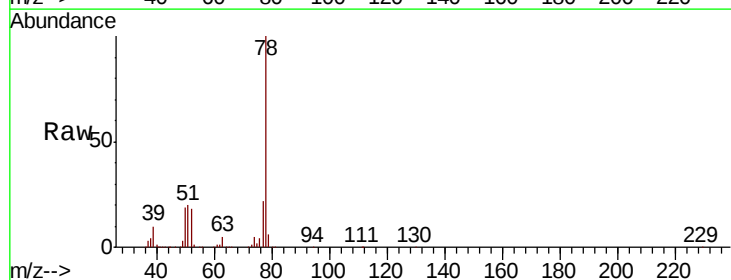
Tgt Ion: 78 Resp: 2115921

Ion Ratio Lower Upper

78 100

77 22.0 18.2 27.2

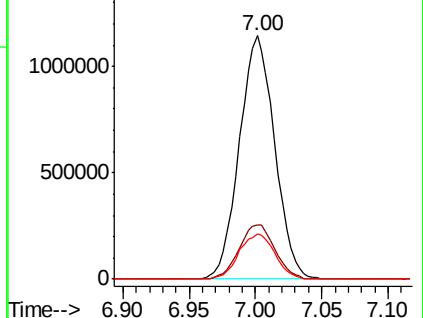
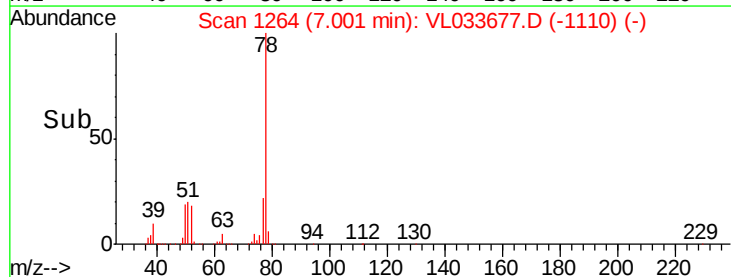
50 18.6 15.8 23.6

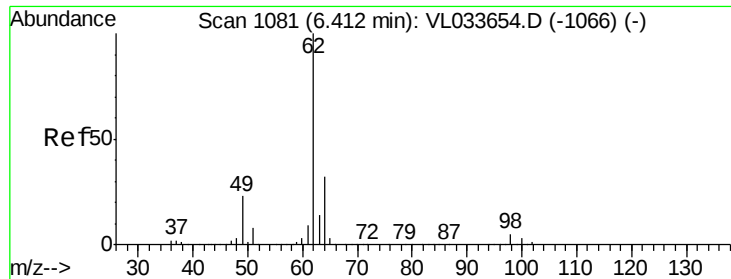


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

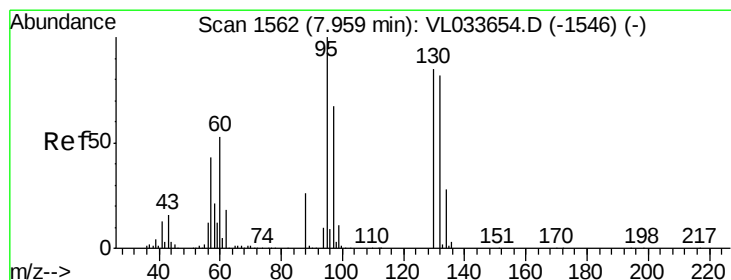
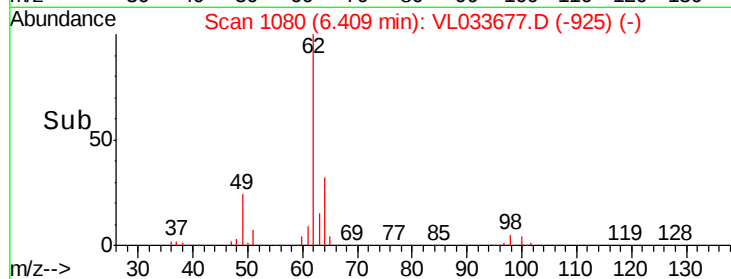
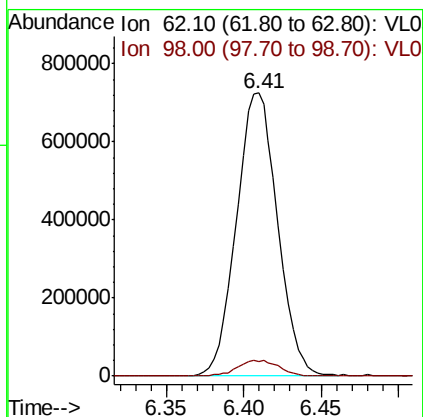
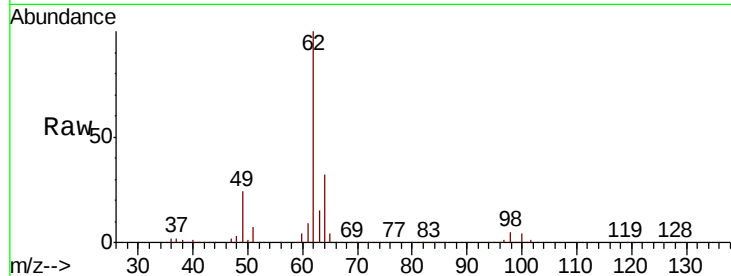




#37
 1,2-Dichloroethane
 Concen: 8.727 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

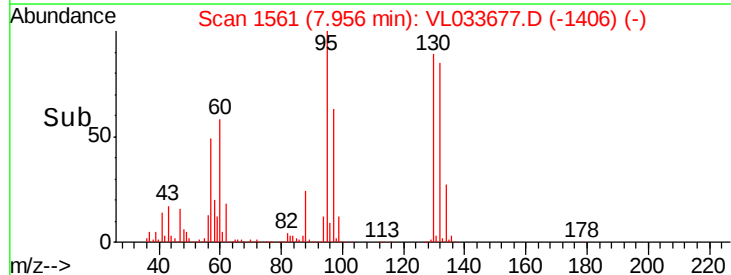
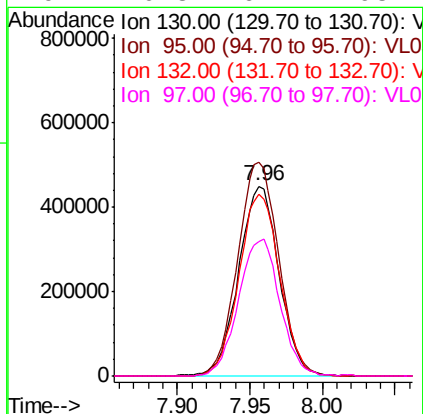
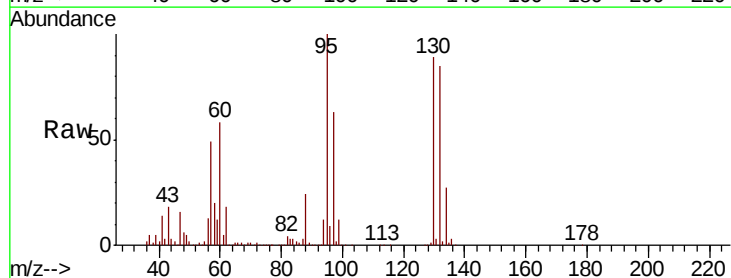
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

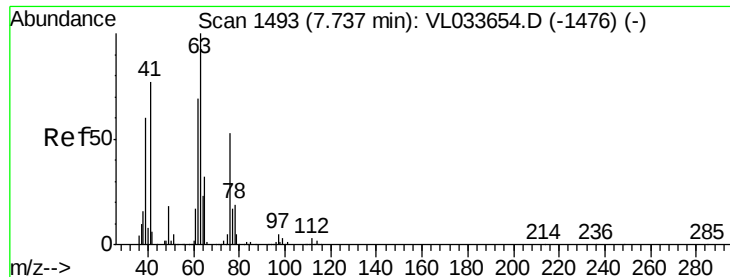
Tgt Ion: 62 Resp: 1335302
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7



#38
 Trichloroethene
 Concen: 10.750 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 130 Resp: 864747
 Ion Ratio Lower Upper
 130 100
 95 112.6 93.4 140.0
 132 95.6 76.2 114.4
 97 70.8 62.2 93.4





#39

1,2-Dichloropropane

Concen: 9.703 ppbv

RT: 7.73 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

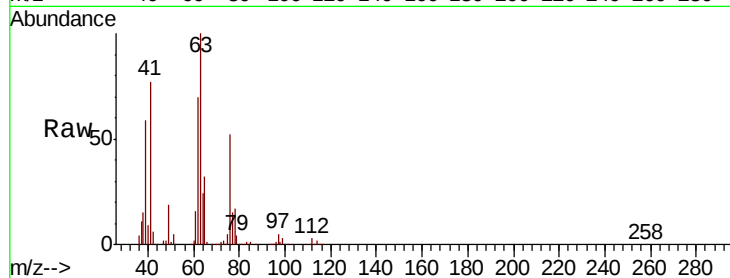
Tgt Ion: 63 Resp: 793006

Ion Ratio Lower Upper

63 100

41 77.1 61.6 92.4

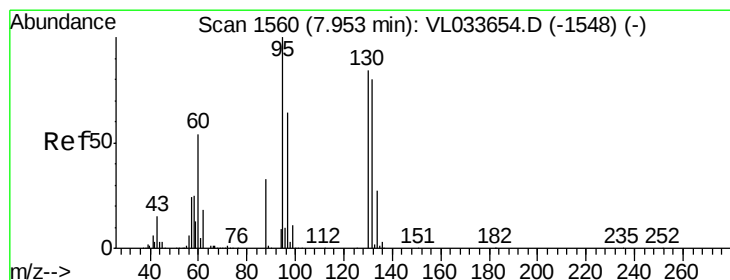
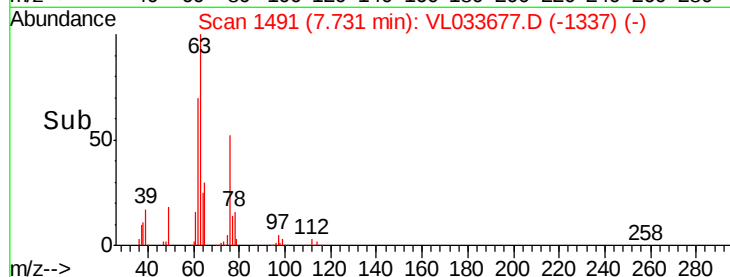
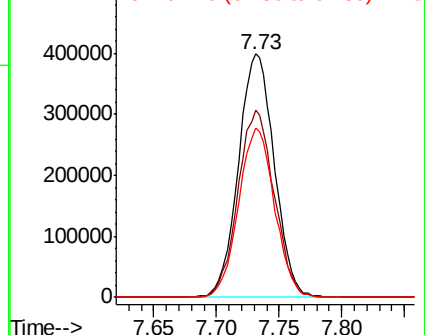
62 69.7 55.0 82.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.073 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Tgt Ion: 88 Resp: 329040

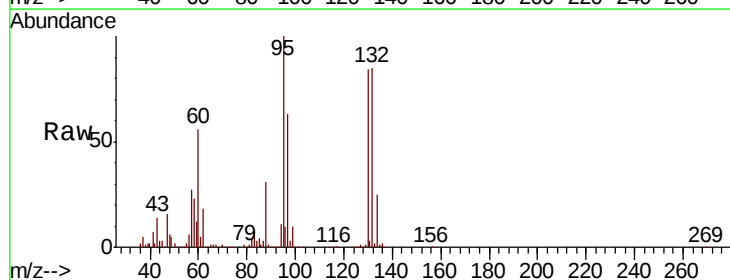
Ion Ratio Lower Upper

88 100

58 123.9 102.3 153.5

43 242.7 206.1 309.1

57 1086.3 910.6 1366.0

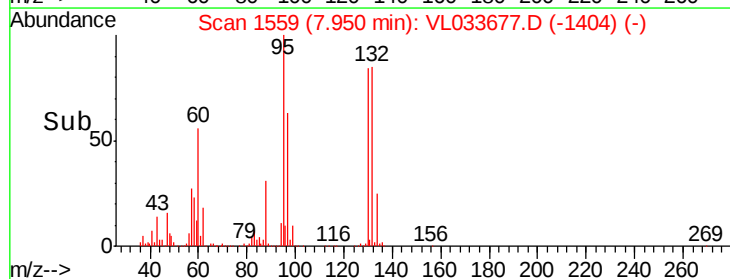
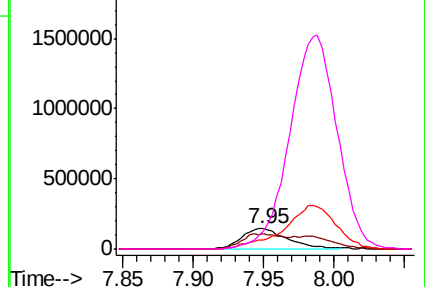


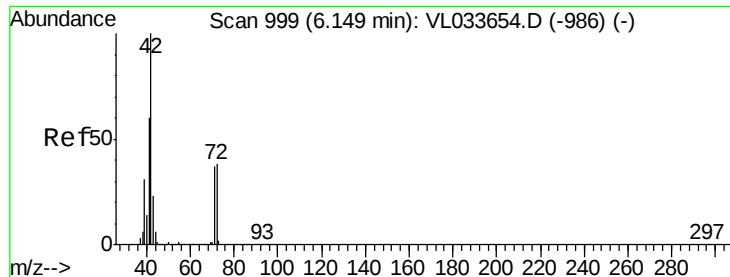
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.773 ppbv

RT: 6.14 min Scan# 996

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

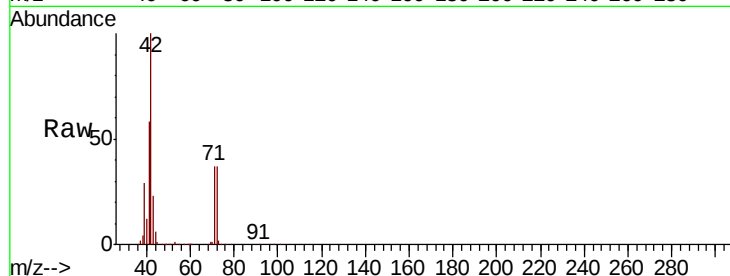
Tgt Ion: 42 Resp: 871893

Ion Ratio Lower Upper

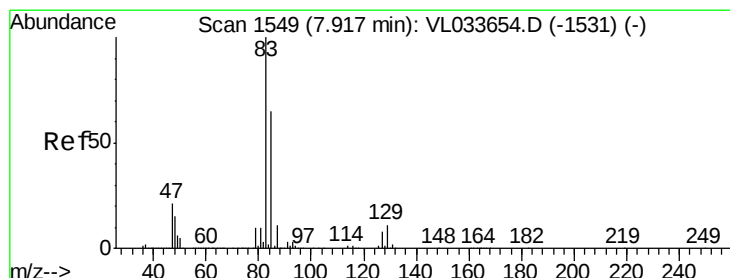
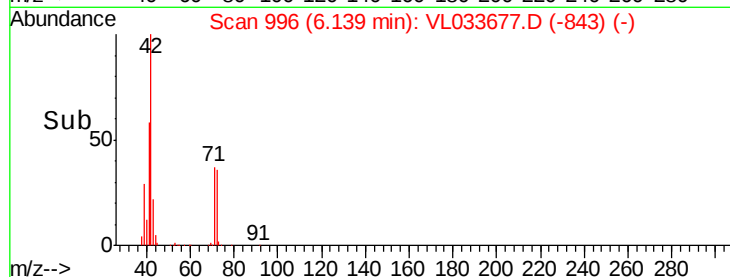
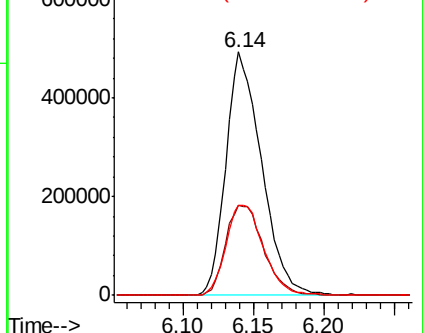
42 100

72 39.6 31.6 47.4

71 39.1 30.6 46.0



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



#42

Bromodichloromethane

Concen: 9.600 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

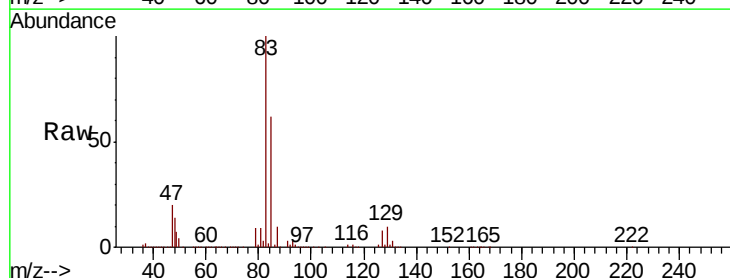
Tgt Ion: 83 Resp: 1896579

Ion Ratio Lower Upper

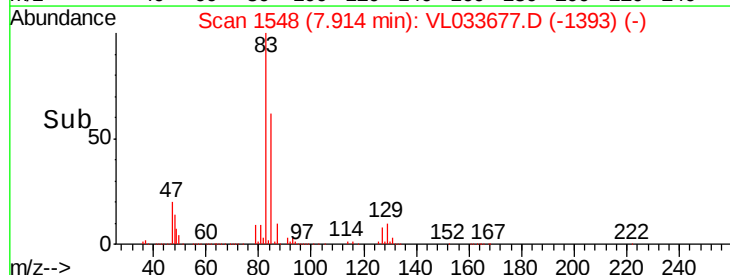
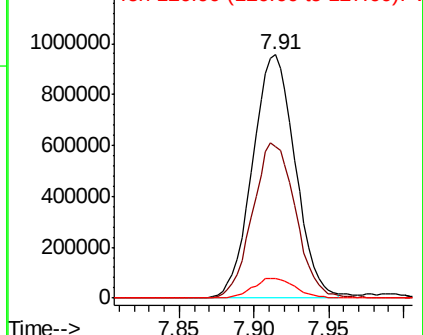
83 100

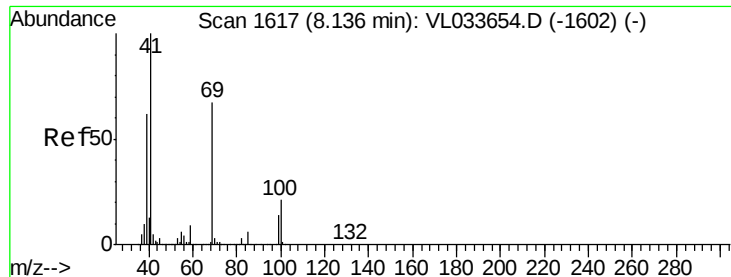
85 62.4 52.4 78.6

127 8.1 6.6 9.8



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

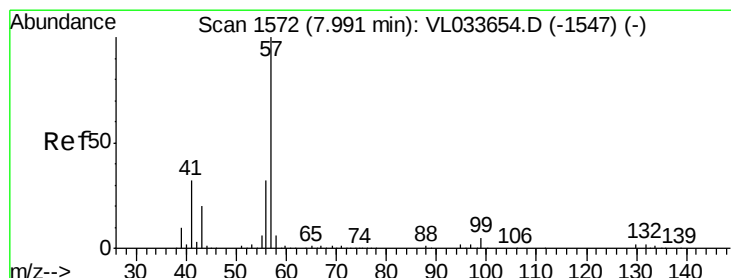
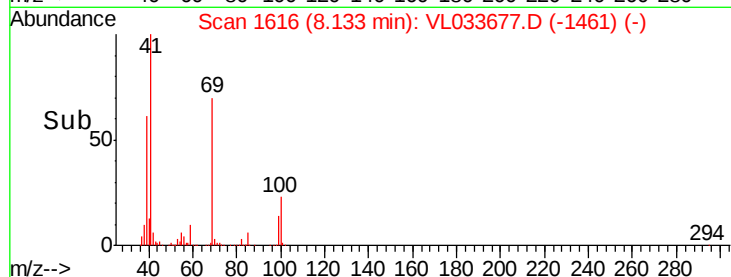
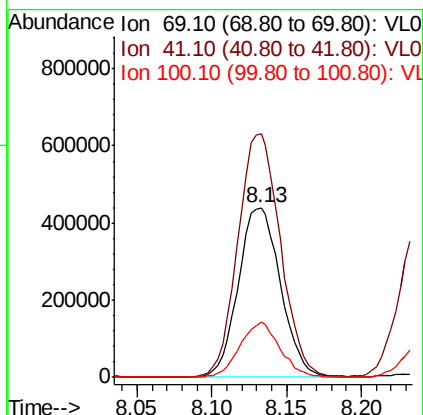
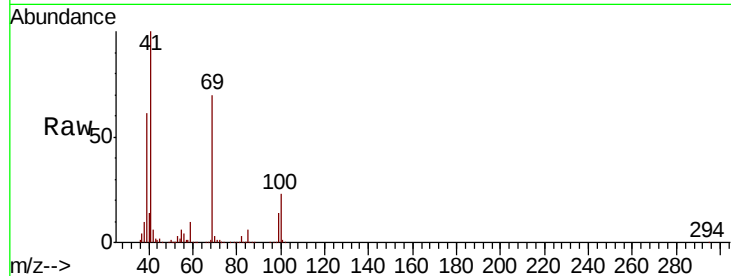




#43
Methyl Methacrylate
Concen: 10.497 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

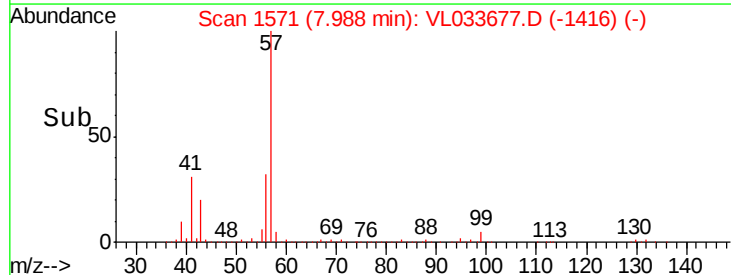
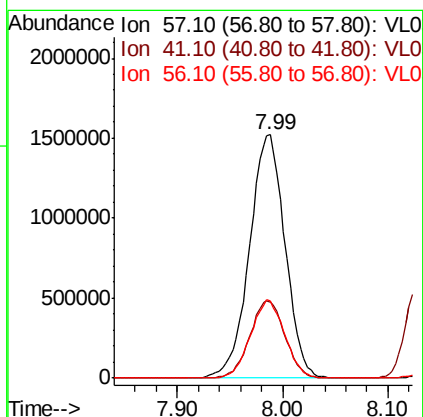
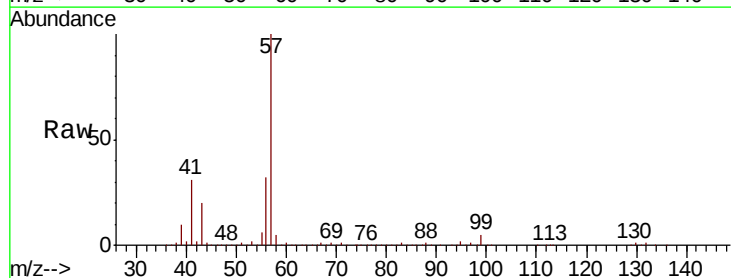
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

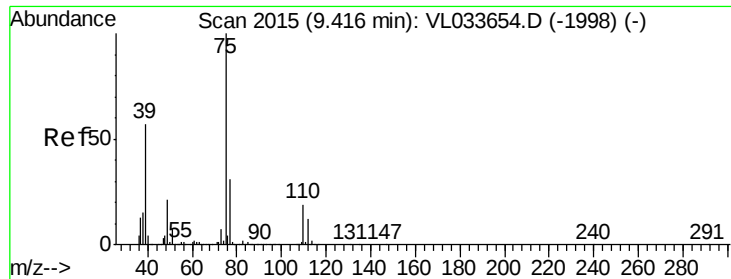
Tgt Ion: 69 Resp: 865914
Ion Ratio Lower Upper
69 100
41 144.2 116.6 175.0
100 30.9 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 9.511 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 57 Resp: 3566398
Ion Ratio Lower Upper
57 100
41 31.4 25.7 38.5
56 31.0 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 11.882 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

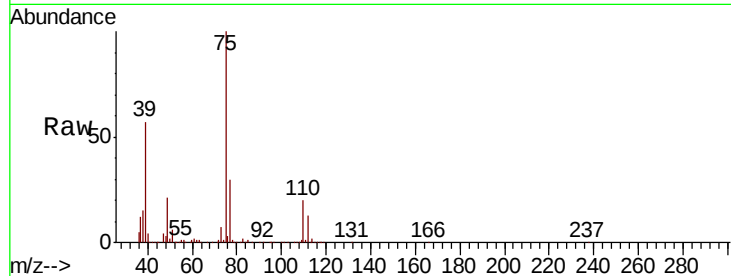
VSTDCCC010

Tgt Ion: 75 Resp: 1202961

Ion Ratio Lower Upper

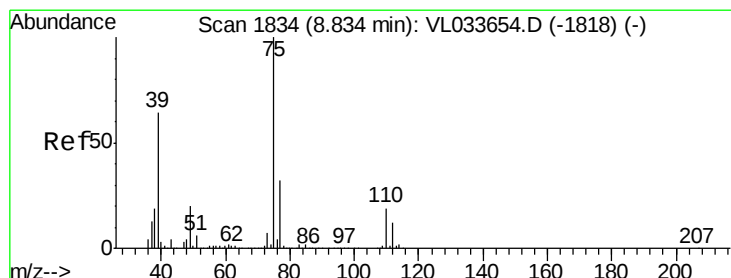
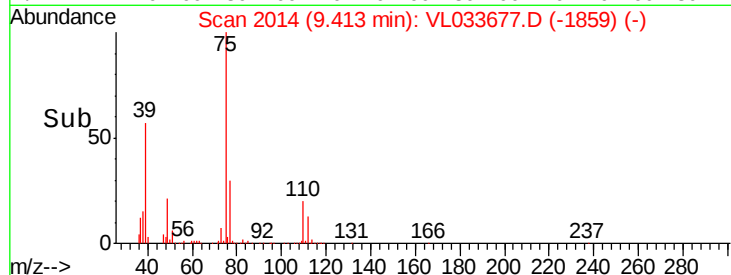
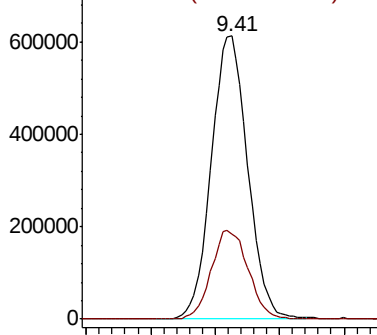
75 100

77 29.9 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: 10.727 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

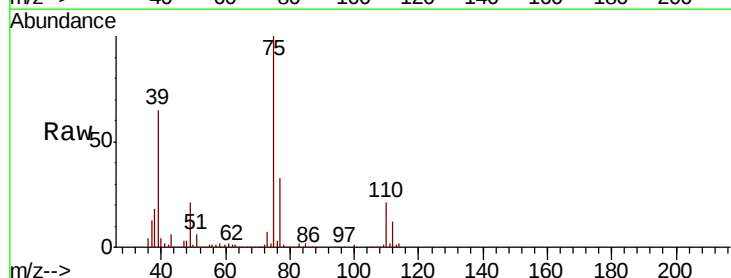
Tgt Ion: 75 Resp: 1355446

Ion Ratio Lower Upper

75 100

39 64.7 51.5 77.3

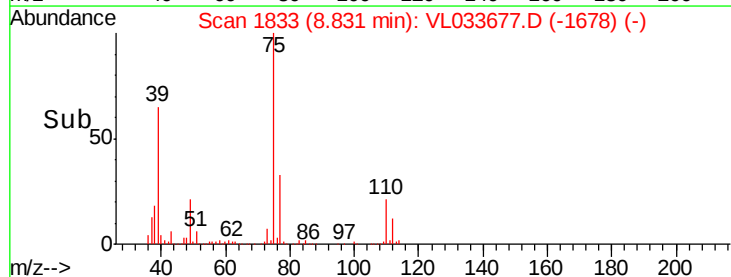
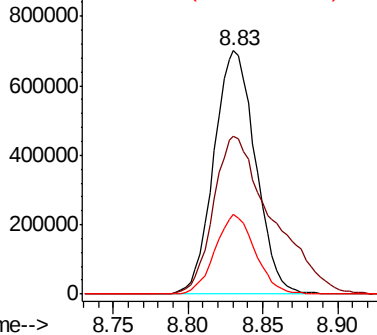
77 32.7 25.4 38.0

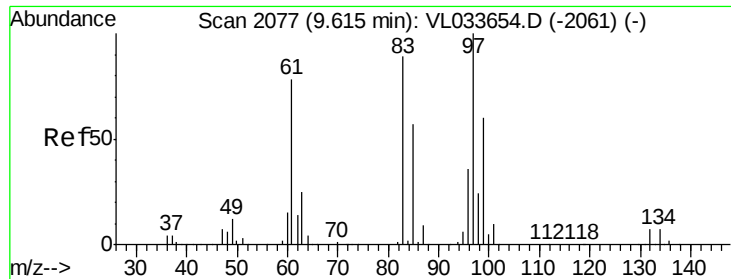


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

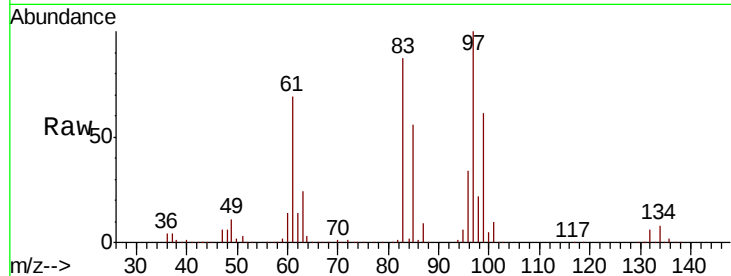




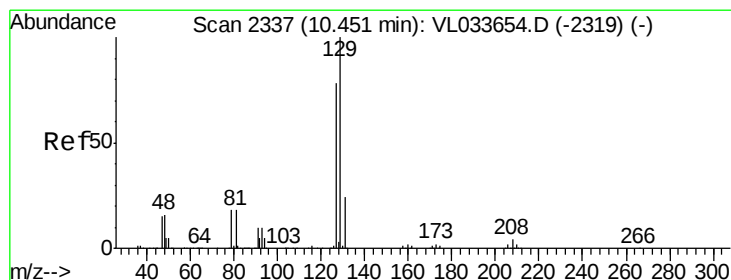
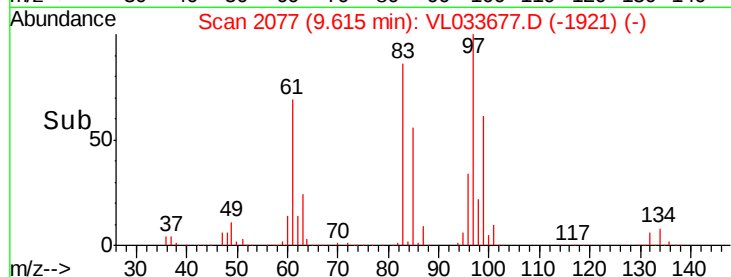
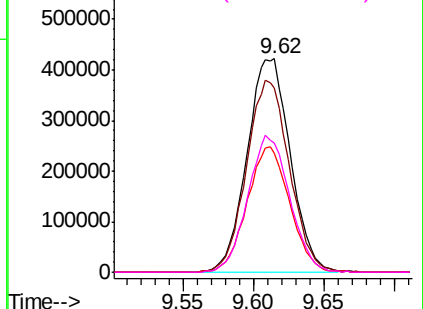
#47
 1,1,2-Trichloroethane
 Concen: 9.660 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 906733
 Ion Ratio Lower Upper
 97 100
 83 86.5 70.9 106.3
 85 55.4 45.8 68.6
 99 60.4 48.2 72.4

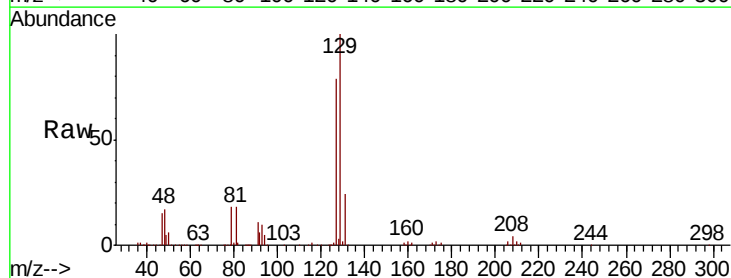


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

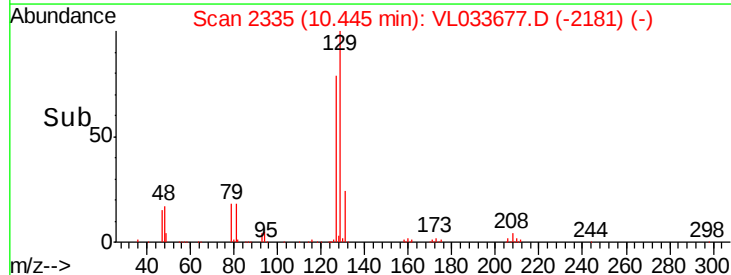
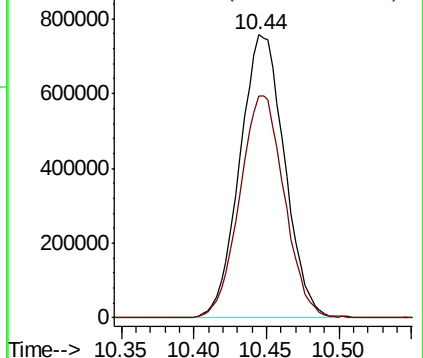


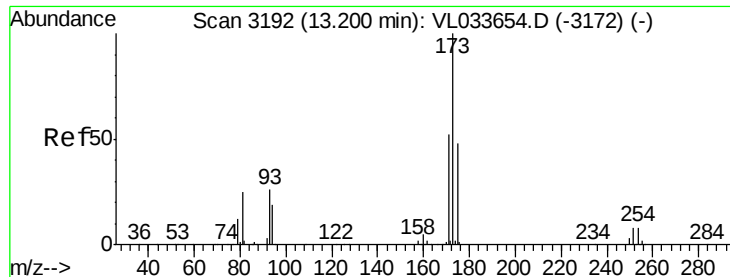
#48
 Dibromochloromethane
 Concen: 10.228 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 129 Resp: 1627377
 Ion Ratio Lower Upper
 129 100
 127 78.2 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: 10.427 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

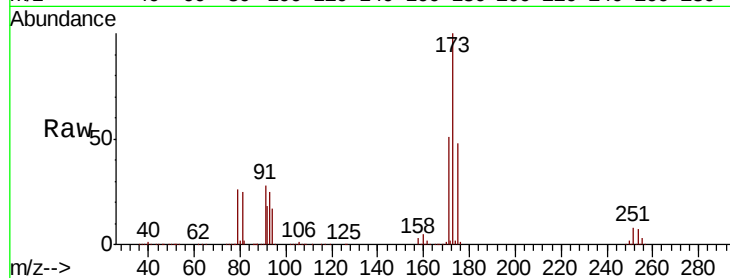
Tgt Ion:173 Resp: 1441101

Ion Ratio Lower Upper

173 100

175 49.2 39.3 58.9

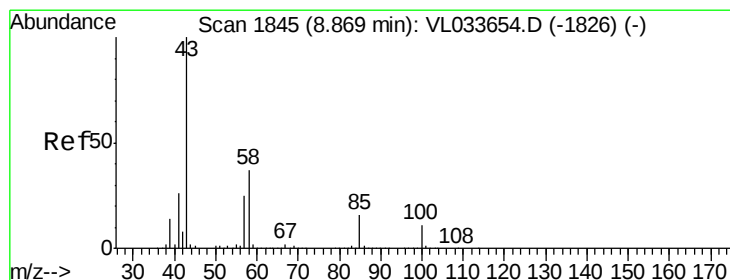
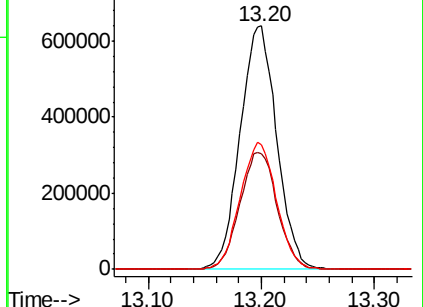
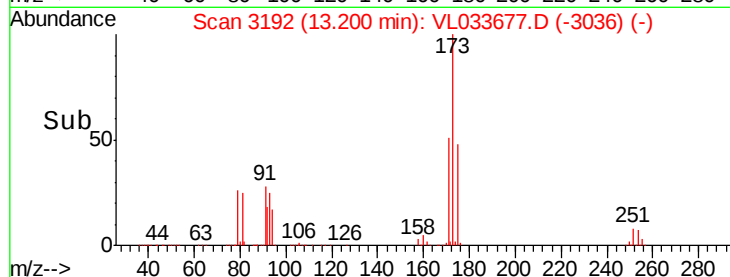
171 51.8 41.5 62.3



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: 9.803 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL033677.D

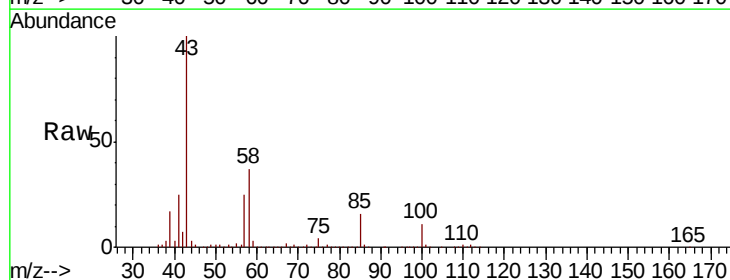
Acq: 7 May 2019 10:51

Tgt Ion: 43 Resp: 2324643

Ion Ratio Lower Upper

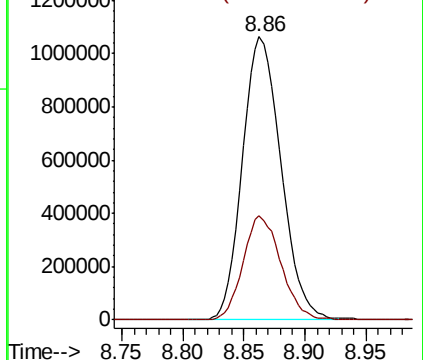
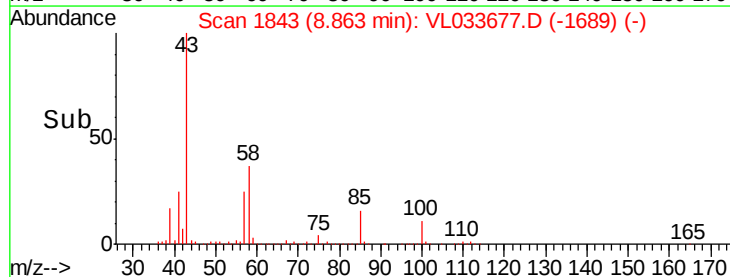
43 100

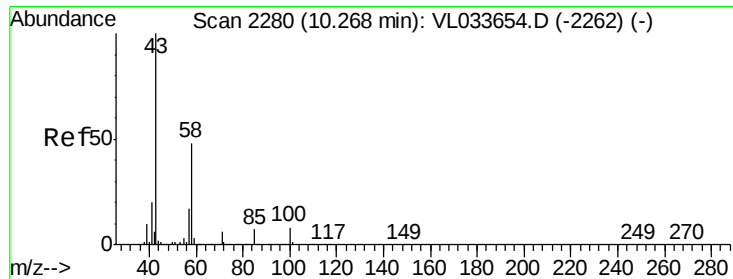
58 36.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

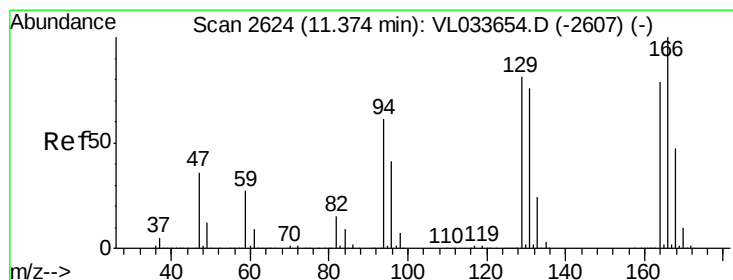
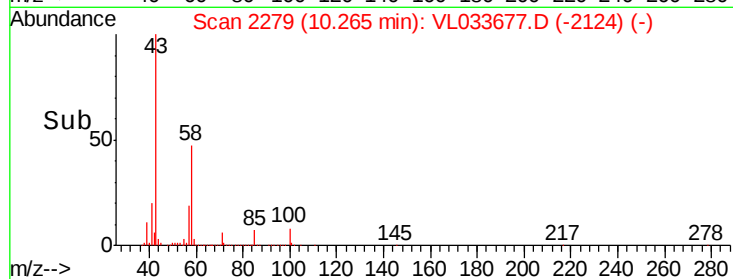
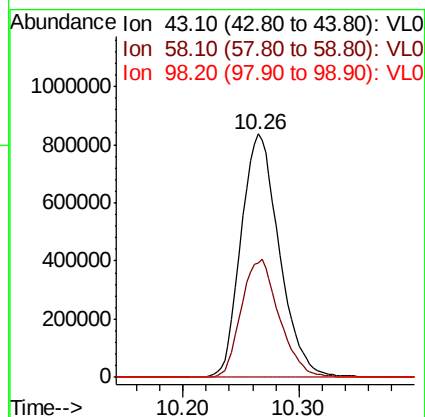
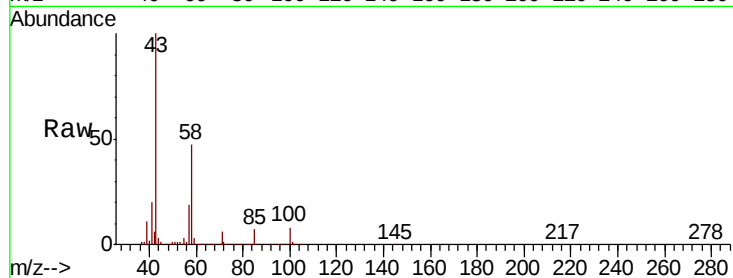




#51
2-Hexanone
Concen: 10.443 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

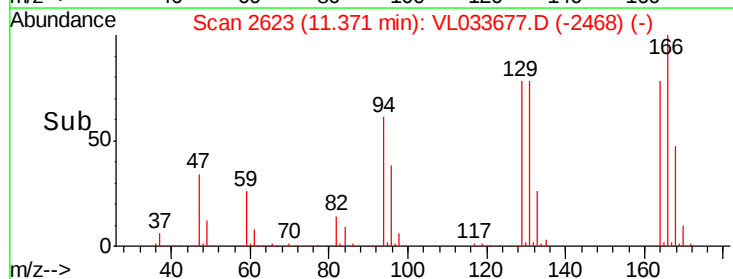
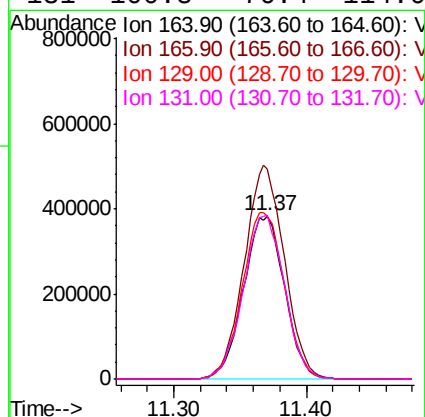
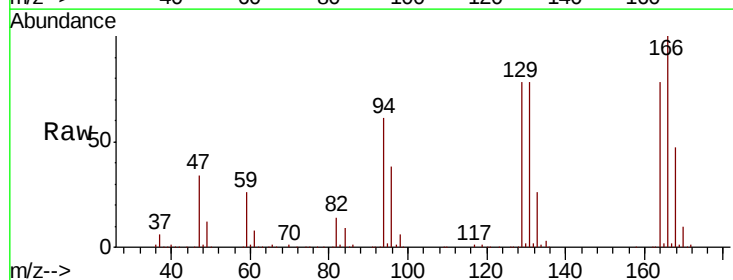
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

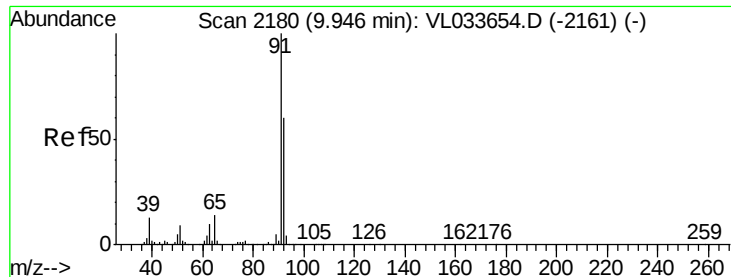
Tgt Ion: 43 Resp: 1918596
Ion Ratio Lower Upper
43 100
58 48.4 38.2 57.4
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.609 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 164 Resp: 824223
Ion Ratio Lower Upper
164 100
166 128.7 100.6 151.0
129 100.1 81.0 121.6
131 100.8 76.4 114.6





#53

Toluene

Concen: 10.642 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

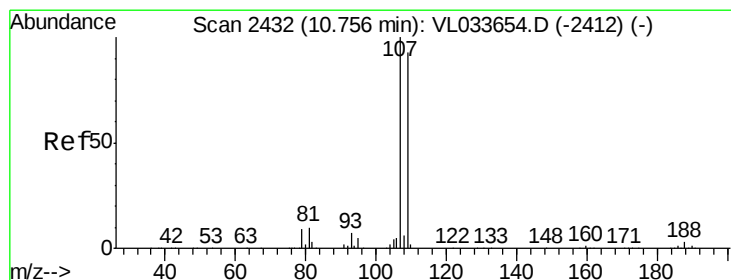
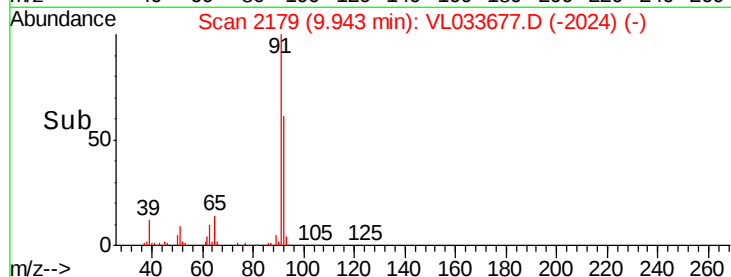
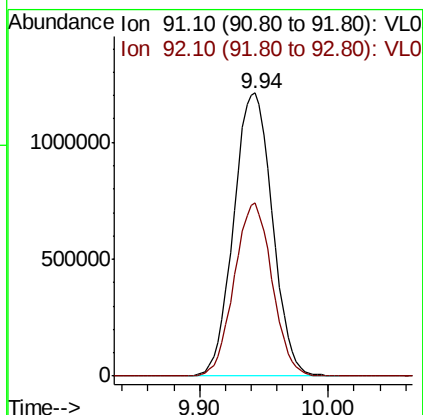
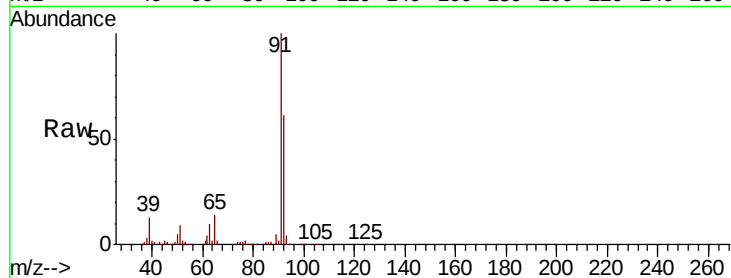
VSTDCCC010

Tgt Ion: 91 Resp: 2521582

Ion Ratio Lower Upper

91 100

92 60.1 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.248 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL033677.D

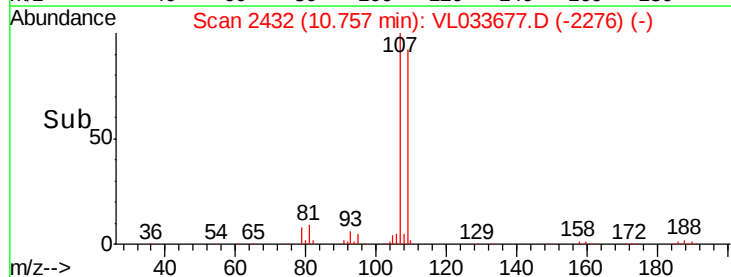
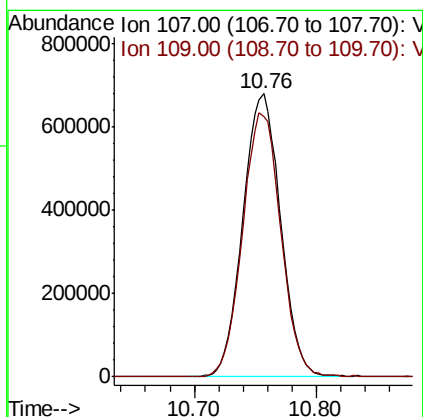
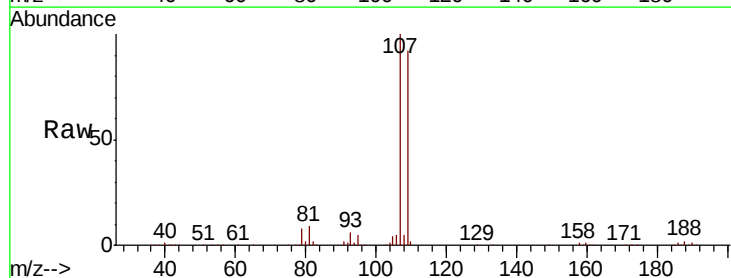
Acq: 7 May 2019 10:51

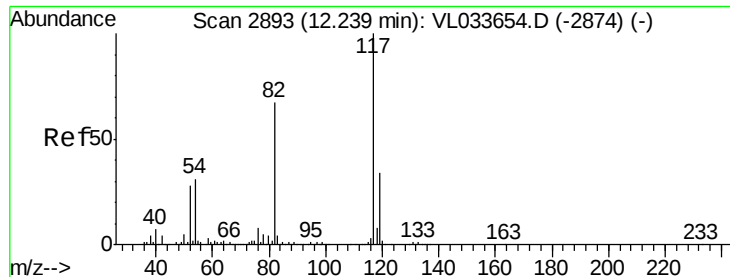
Tgt Ion: 107 Resp: 1448934

Ion Ratio Lower Upper

107 100

109 91.8 74.6 111.8

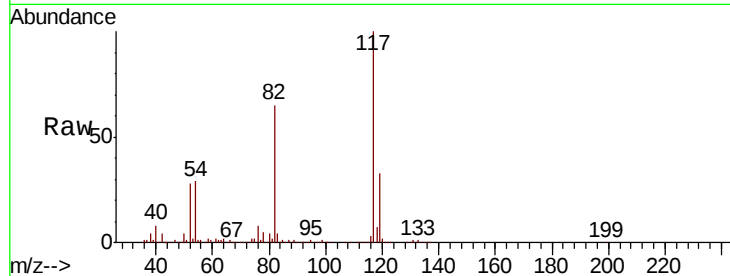




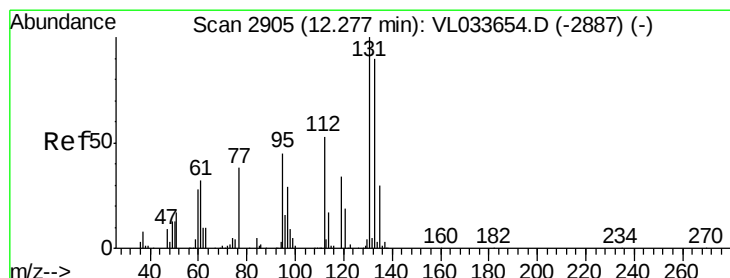
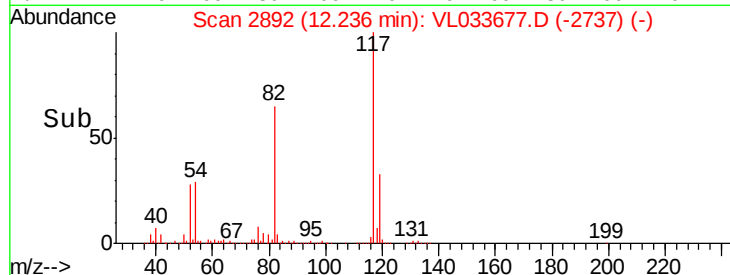
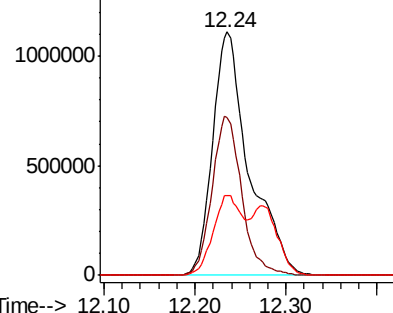
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3104906
Ion Ratio Lower Upper
117 100
82 53.3 49.7 74.5
119 25.2 24.8 37.2

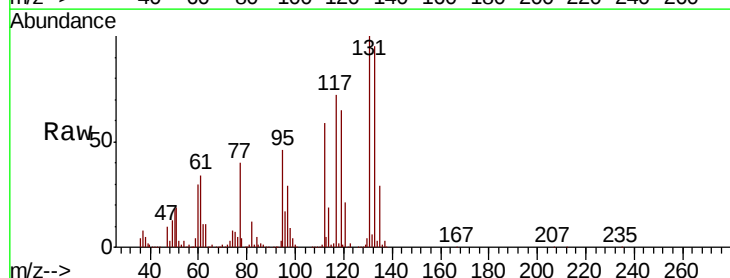


Abundance Ion 117.10 (116.80 to 117.80): V
1500000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

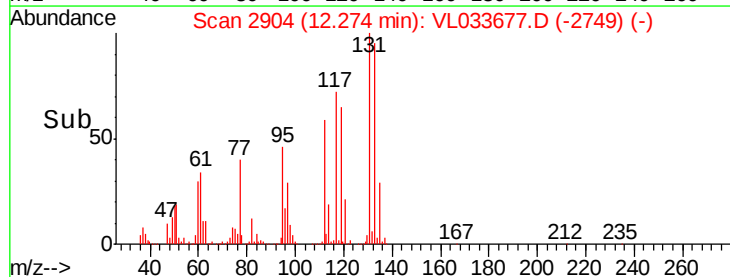
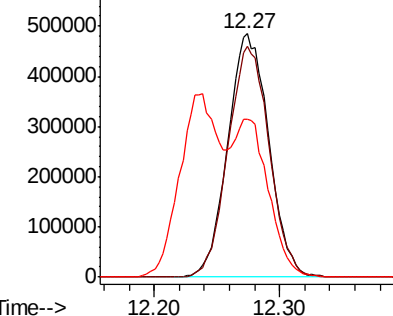


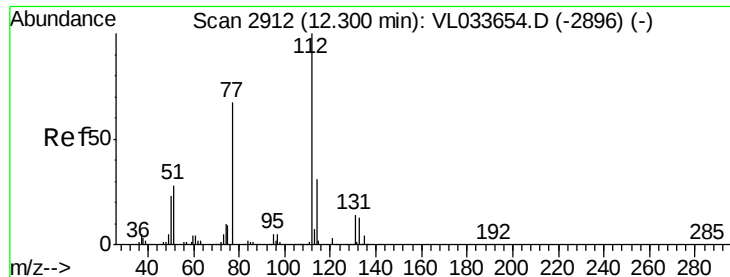
#56
1,1,1,2-Tetrachloroethane
Concen: 7.698 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion:131 Resp: 1102476
Ion Ratio Lower Upper
131 100
133 95.4 76.0 114.0
119 56.8 45.4 68.2



Abundance Ion 131.00 (130.70 to 131.70): V
600000 Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

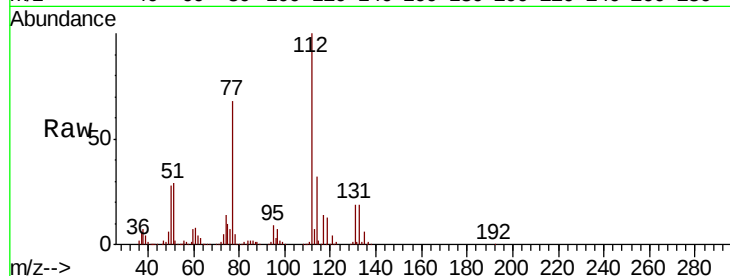




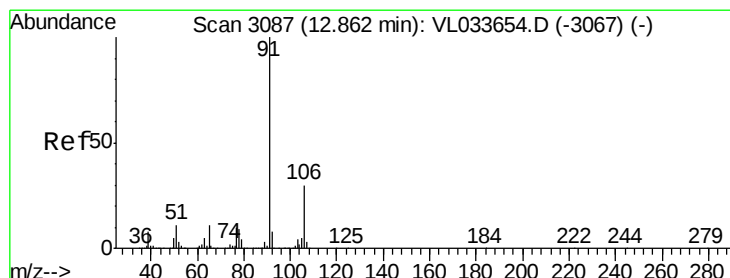
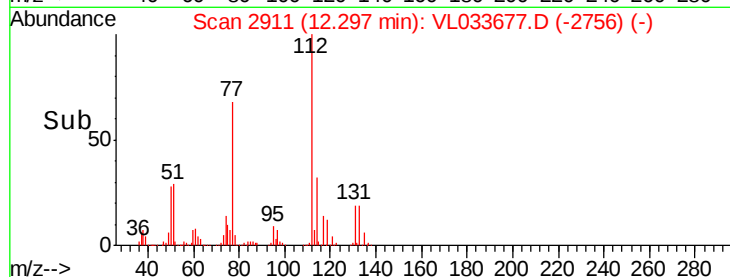
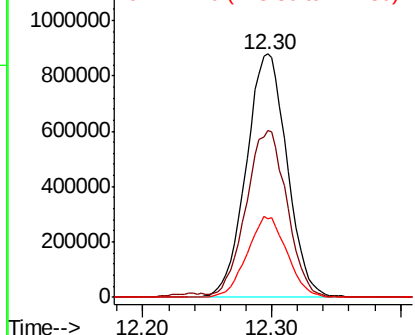
#57
Chlorobenzene
Concen: 7.594 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 1935876
Ion Ratio Lower Upper
112 100
77 68.2 54.4 81.6
114 32.5 28.2 34.4

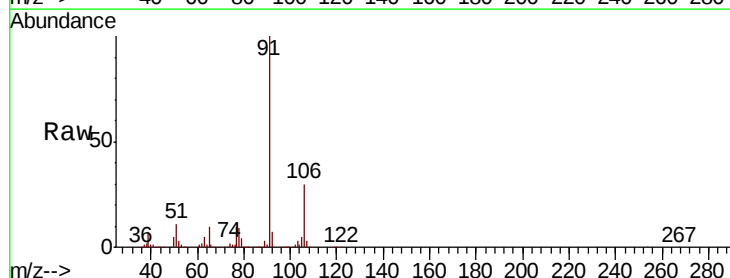


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

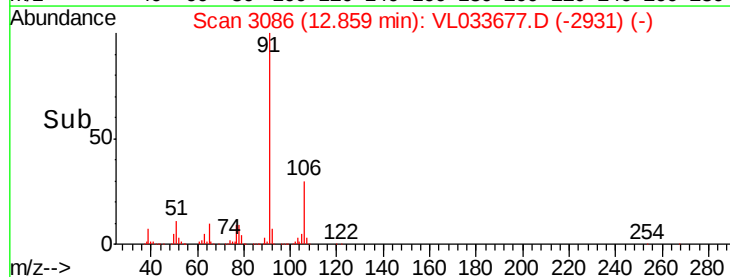
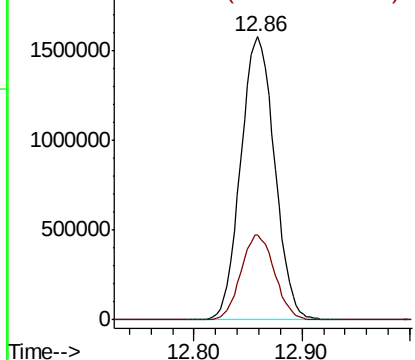


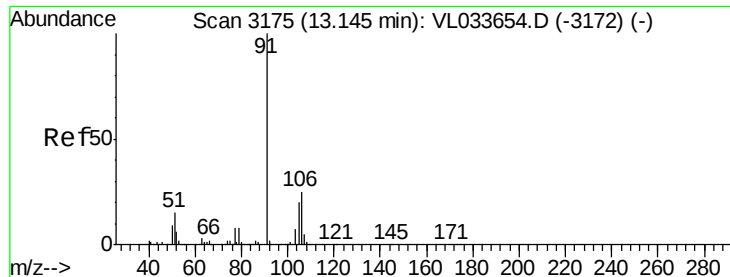
#58
Ethyl Benzene
Concen: 8.523 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 3450929
Ion Ratio Lower Upper
91 100
106 30.0 23.7 35.5



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

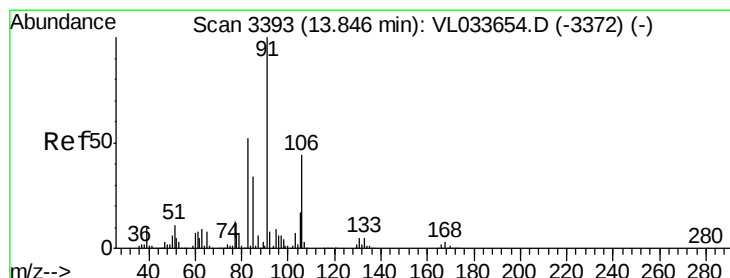
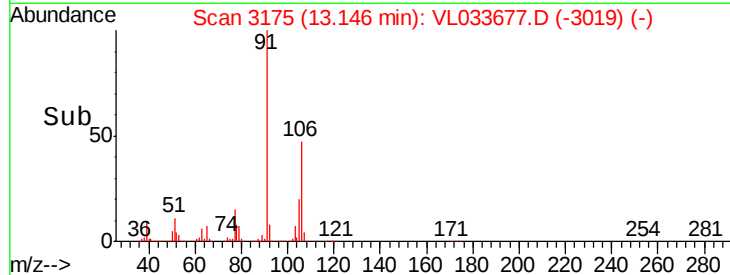
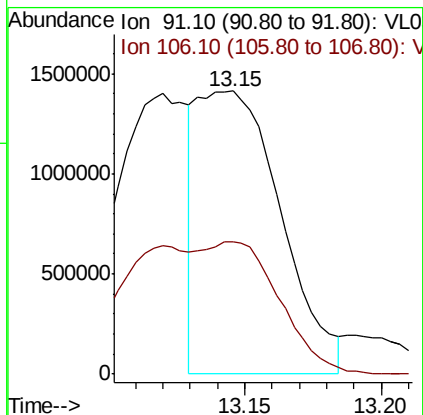
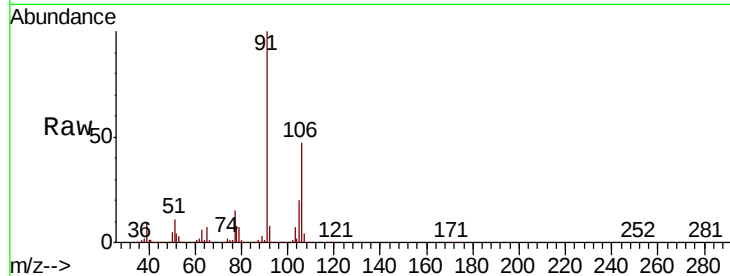




#59
m/p-Xylene
Concen: 8.361 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

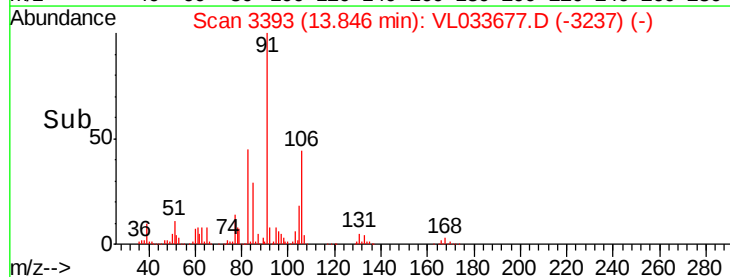
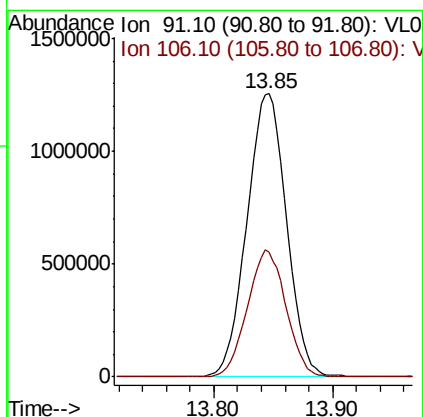
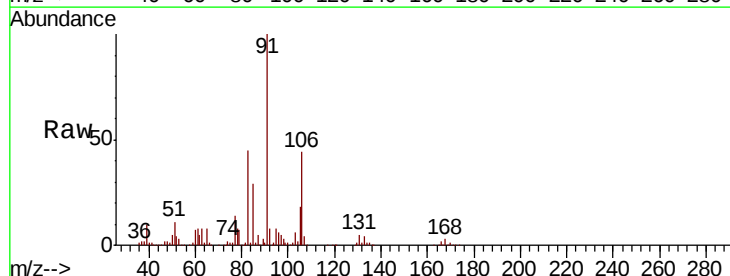
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

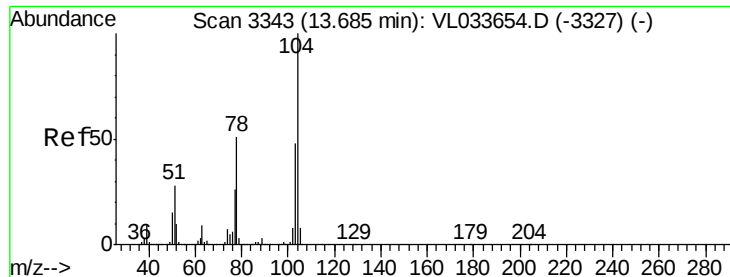
Tgt Ion: 91 Resp: 2981923
Ion Ratio Lower Upper
91 100
106 86.6 36.2 54.2#



#60
o-Xylene
Concen: 7.986 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 2882464
Ion Ratio Lower Upper
91 100
106 43.8 21.7 65.1





#61

Styrene

Concen: 9.091 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

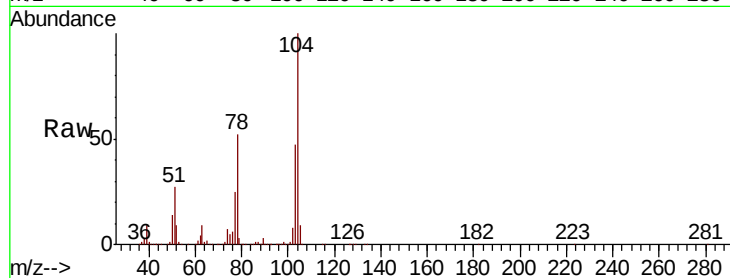
Tgt Ion:104 Resp: 2184990

Ion Ratio Lower Upper

104 100

78 53.4 43.0 64.6

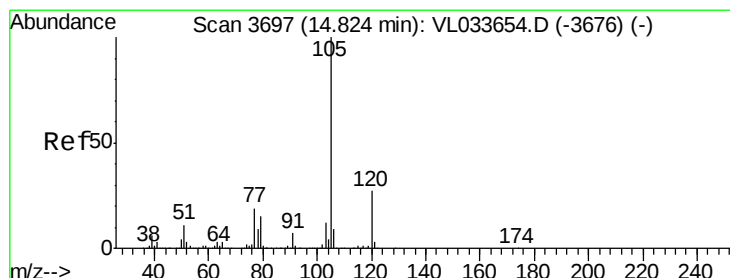
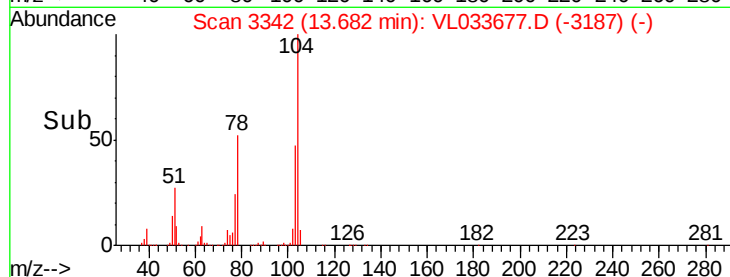
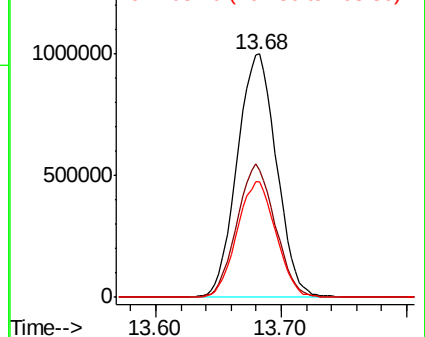
103 47.1 38.1 57.1



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: 7.951 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL033677.D

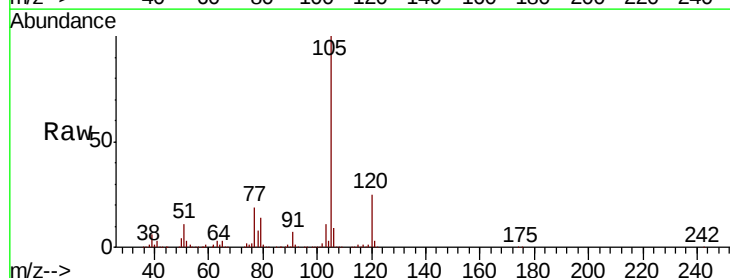
Acq: 7 May 2019 10:51

Tgt Ion:105 Resp: 3918249

Ion Ratio Lower Upper

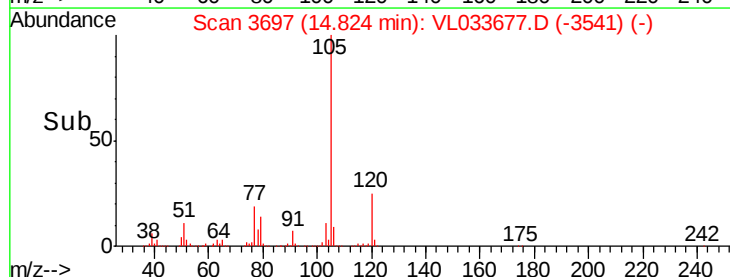
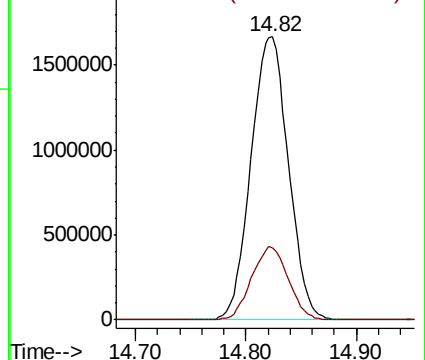
105 100

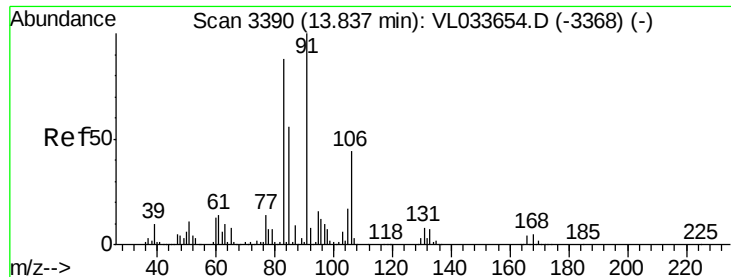
120 25.5 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

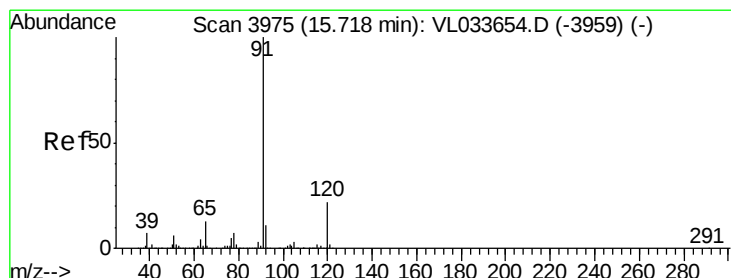
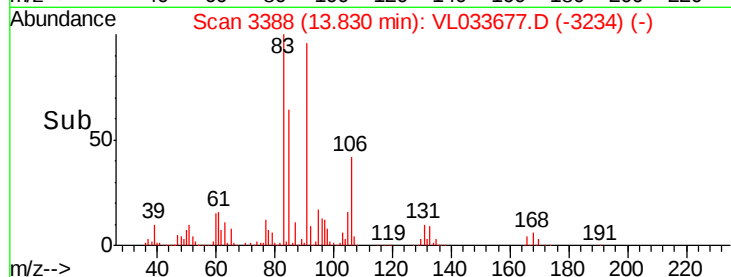
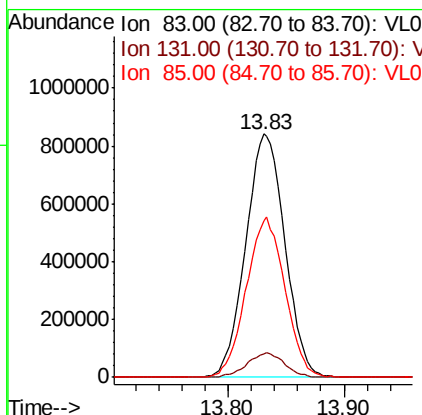
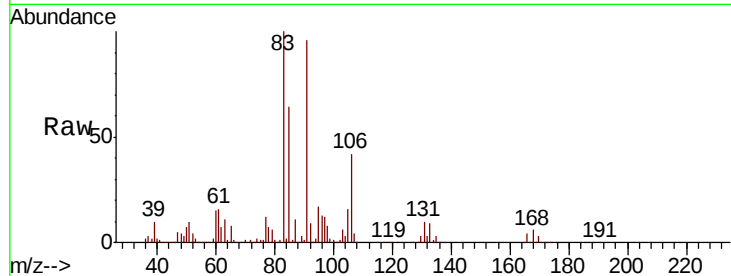




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.523 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

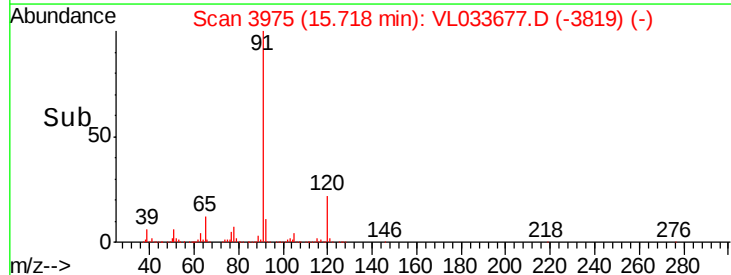
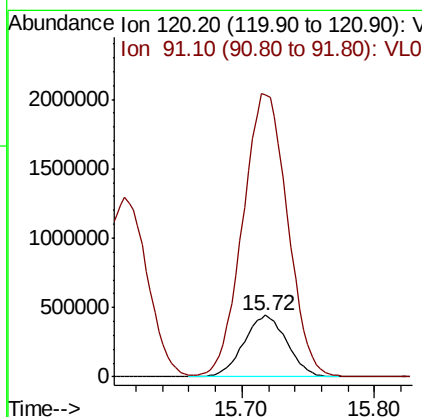
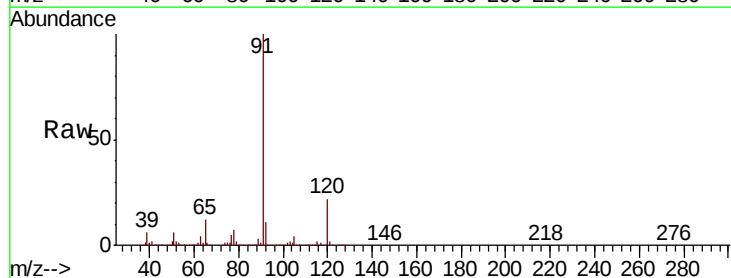
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

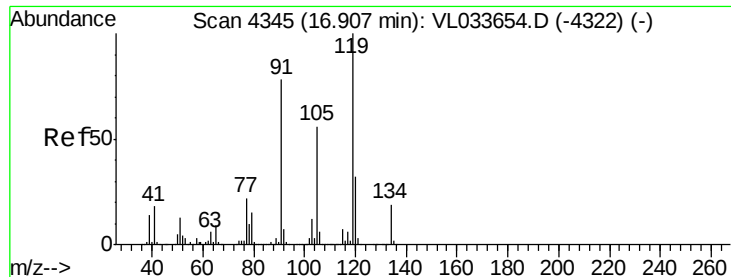
Tgt Ion: 83 Resp: 1976101
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.3
 85 64.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 7.848 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 120 Resp: 999404
 Ion Ratio Lower Upper
 120 100
 91 480.4 379.0 568.6

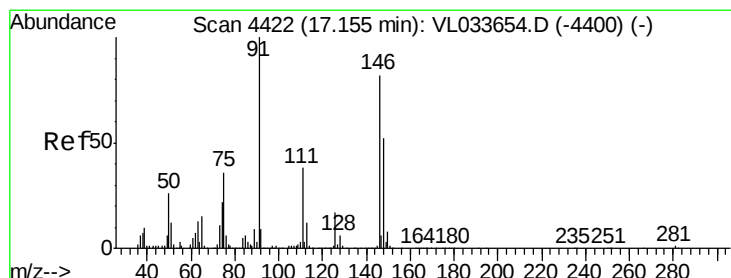
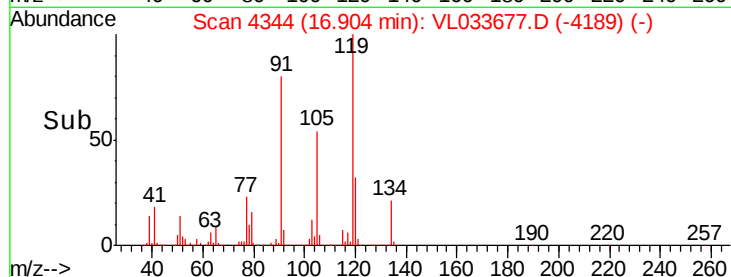
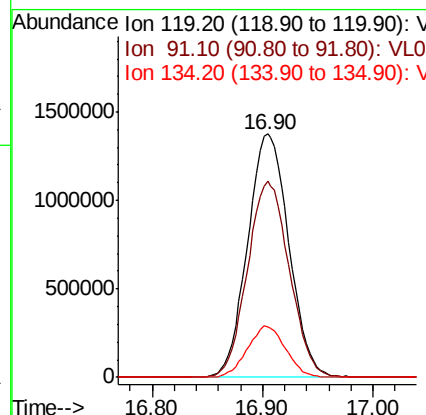
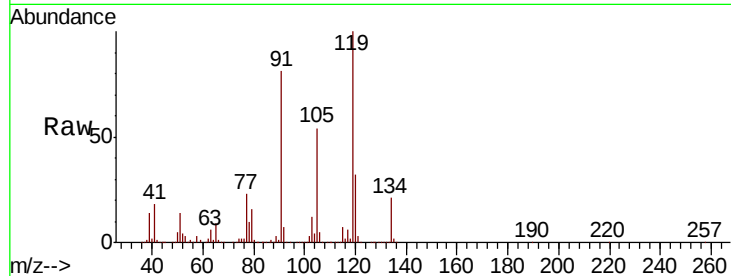




#65
 tert-Butylbenzene
 Concen: 7.866 ppbv
 RT: 16.90 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

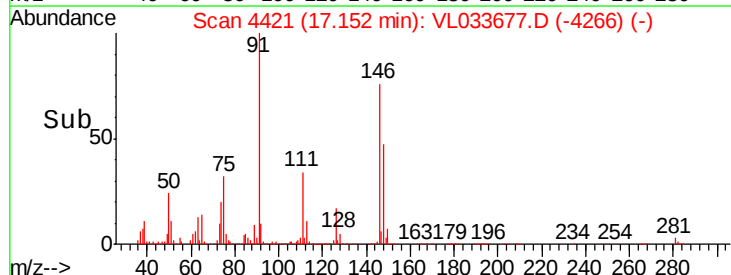
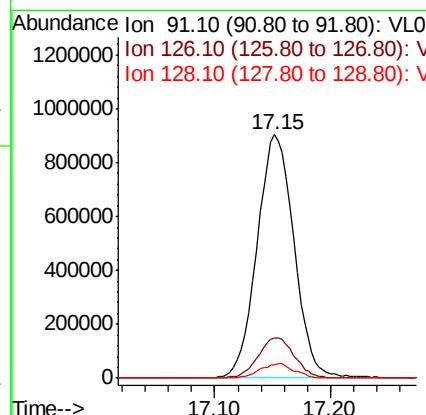
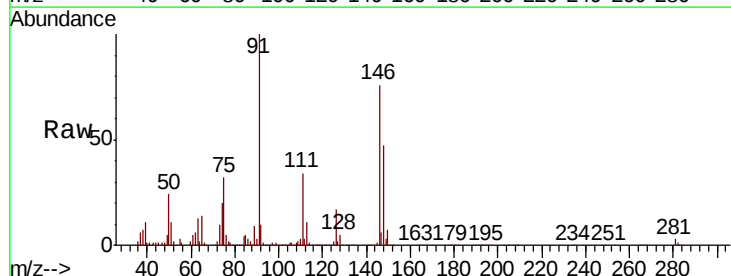
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

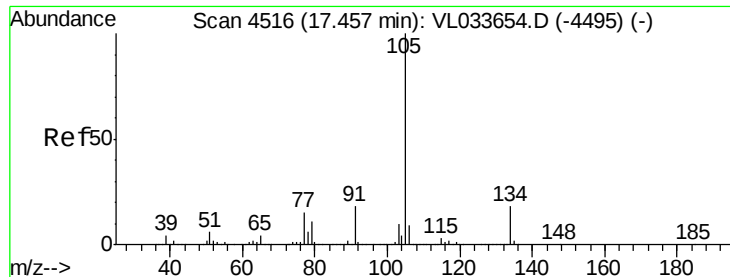
Tgt Ion: 119 Resp: 3556007
 Ion Ratio Lower Upper
 119 100
 91 81.9 65.9 98.9
 134 19.6 15.5 23.3



#66
 Benzyl Chloride
 Concen: 9.715 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 1997858
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.4 20.2
 128 5.6 4.4 6.6

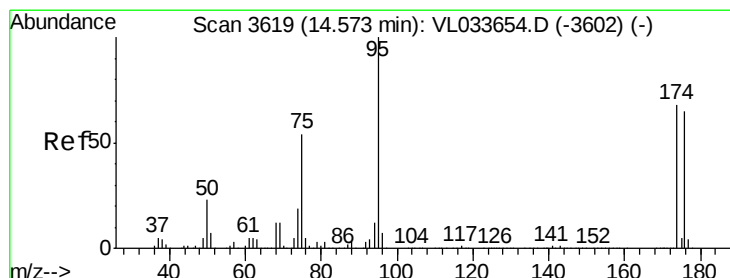
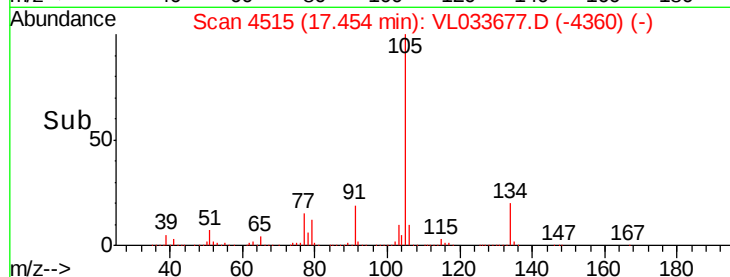
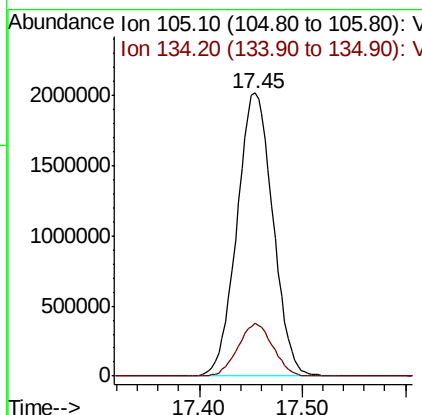
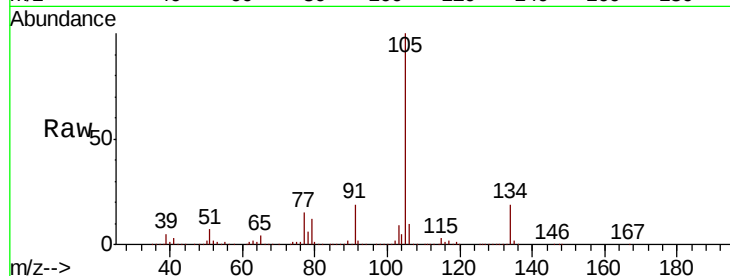




#67
 sec-Butylbenzene
 Concen: 7.735 ppbv
 RT: 17.45 min Scan# 4516
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

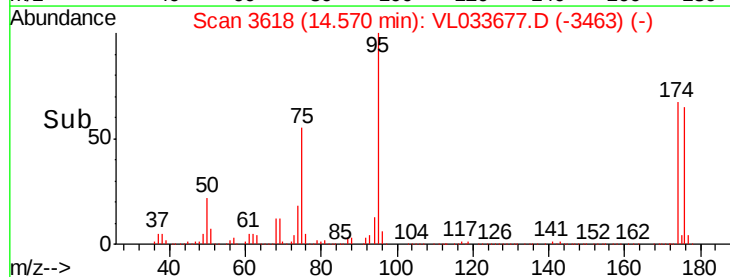
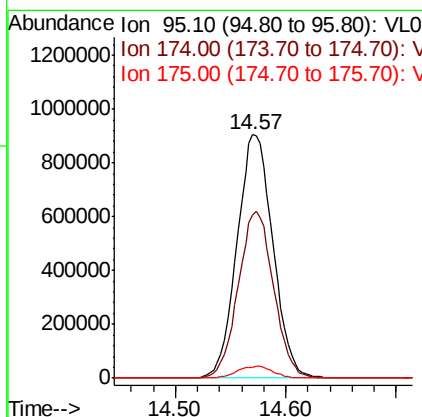
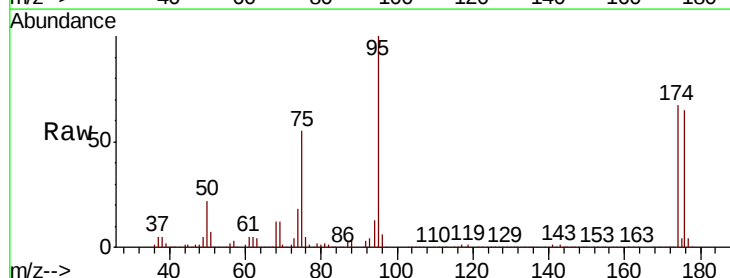
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

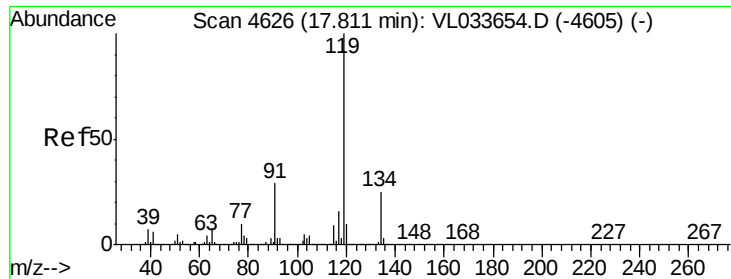
Tgt Ion: 105 Resp: 4878859
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.990 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Tgt Ion: 95 Resp: 2033519
 Ion Ratio Lower Upper
 95 100
 174 67.7 54.0 81.0
 175 4.8 3.8 5.8

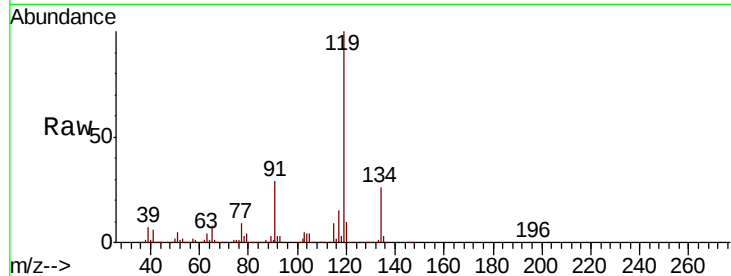




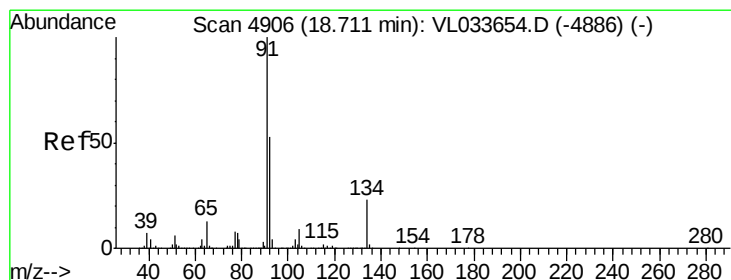
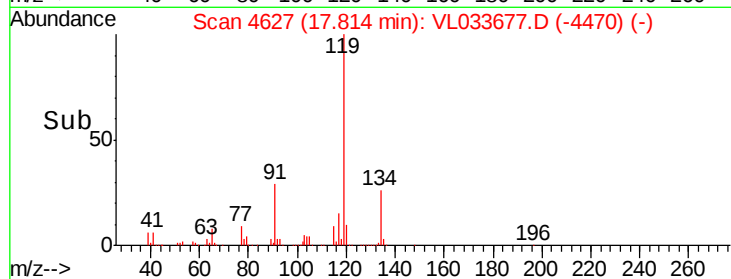
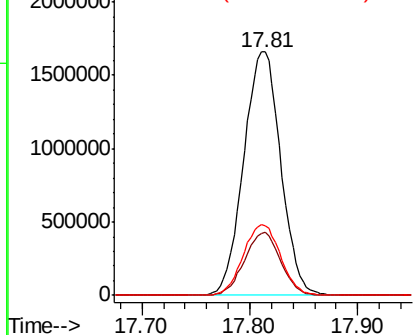
#69
p-Isopropyltoluene
Concen: 7.614 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. 0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 3956635
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.2
91 29.3 23.4 35.2

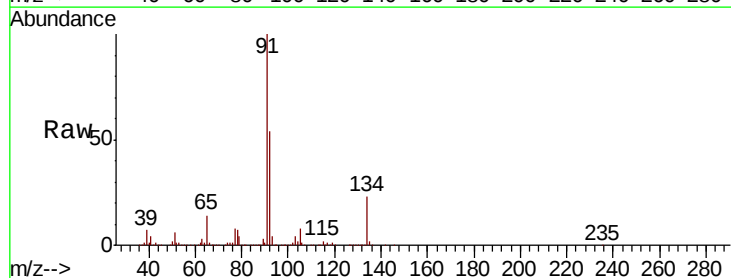


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

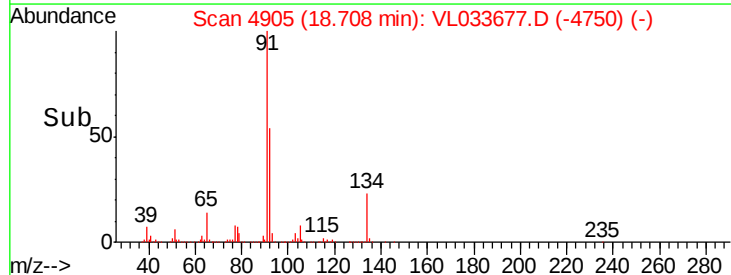
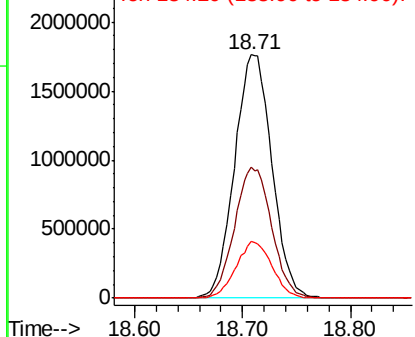


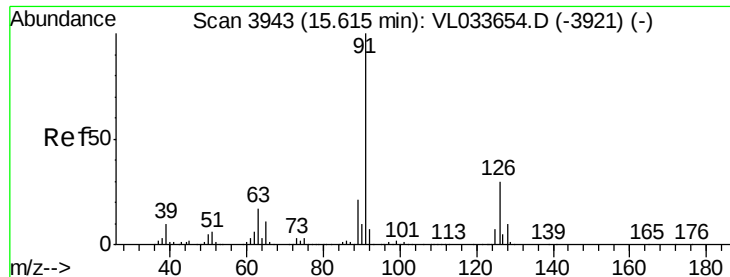
#70
n-Butylbenzene
Concen: 7.686 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.00 min
Lab File: VL033677.D
Acq: 7 May 2019 10:51

Tgt Ion: 91 Resp: 4235652
Ion Ratio Lower Upper
91 100
92 53.6 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: 8.134 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

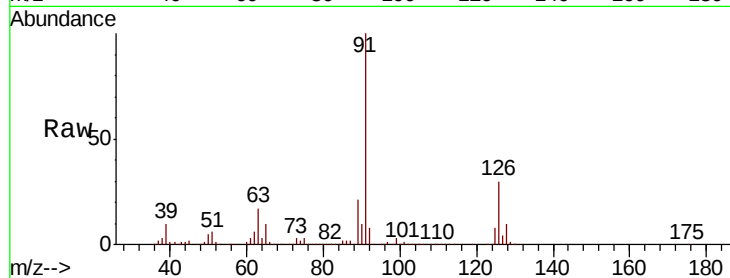
VSTDCCC010

Tgt Ion: 91 Resp: 2961470

Ion Ratio Lower Upper

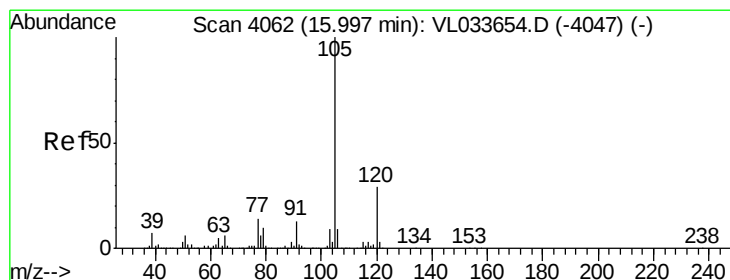
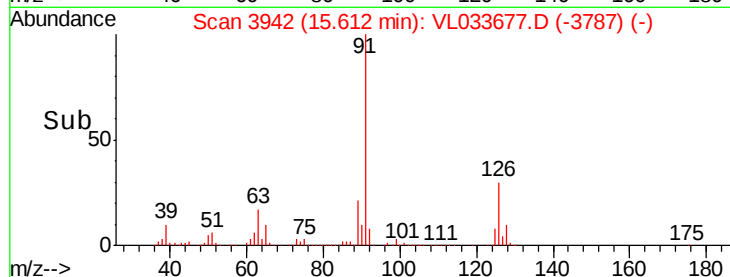
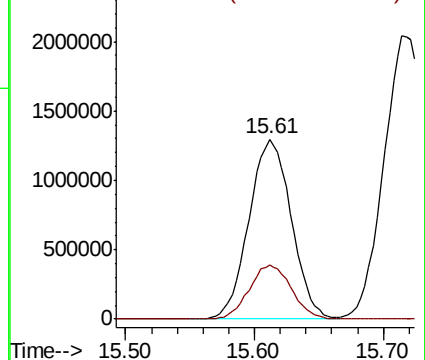
91 100

126 30.0 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: 8.035 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Tgt Ion: 105 Resp: 3408728

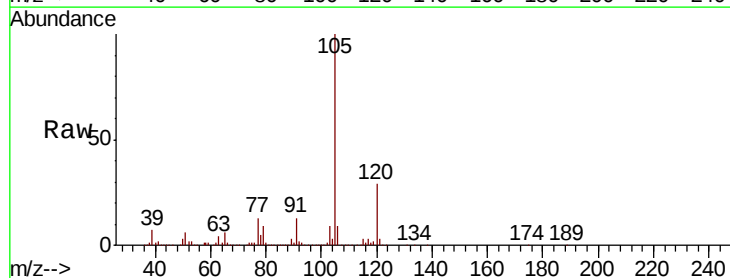
Ion Ratio Lower Upper

105 100

120 28.8 23.0 34.6

91 12.9 10.5 15.7

77 13.7 11.4 17.2

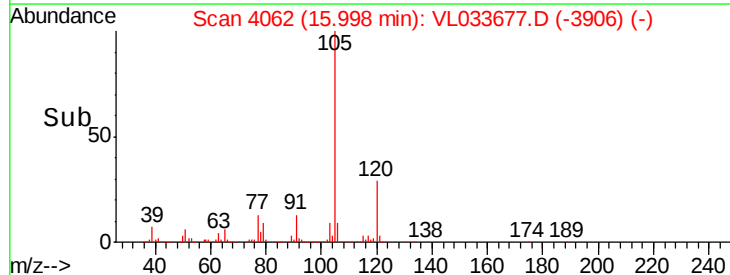
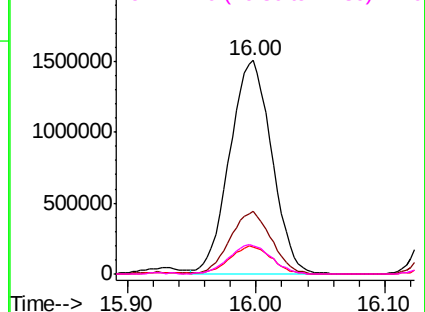


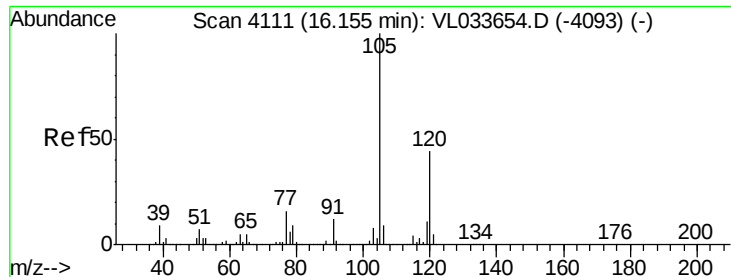
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.888 ppbv

RT: 16.16 min Scan# 4111

Delta R.T. 0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

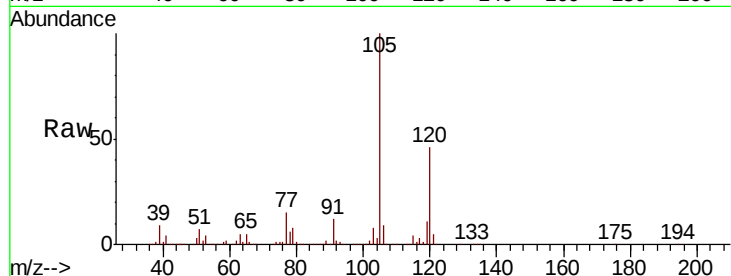
VSTDCCC010

Tgt Ion:105 Resp: 3235368

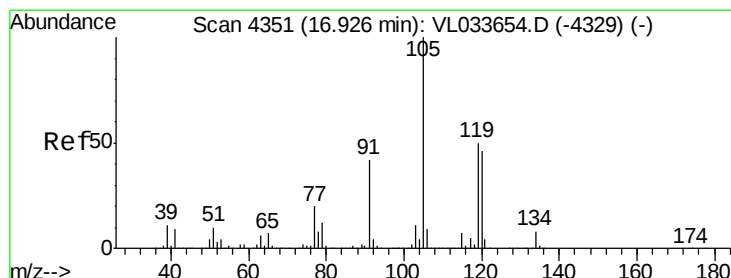
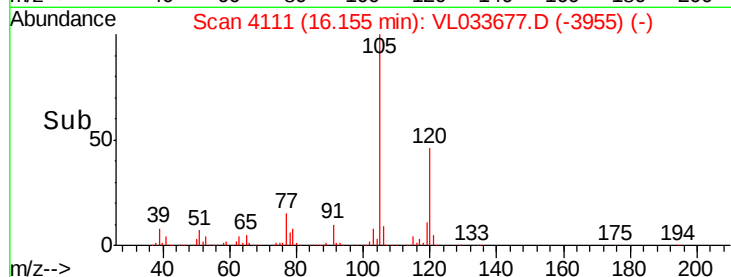
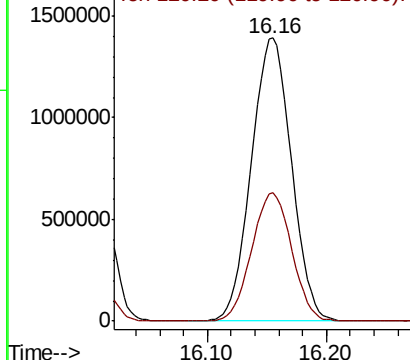
Ion Ratio Lower Upper

105 100

120 45.6 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.431 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Tgt Ion:105 Resp: 3388157

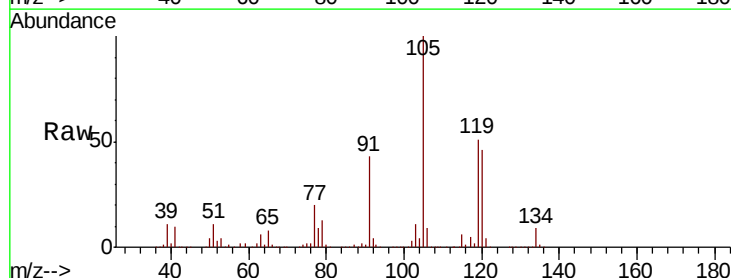
Ion Ratio Lower Upper

105 100

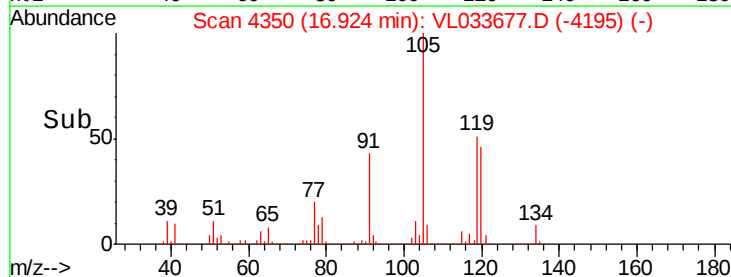
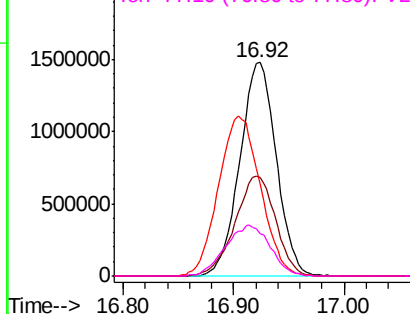
120 46.1 36.5 54.7

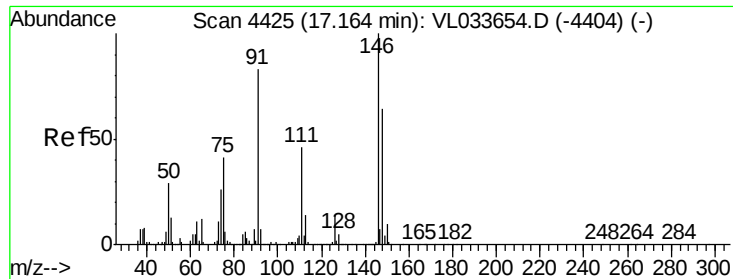
91 43.3 33.7 50.5

77 19.9 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





#75

1,3-Dichlorobenzene

Concen: 7.117 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

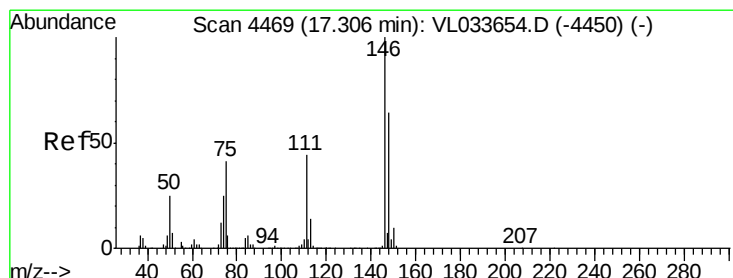
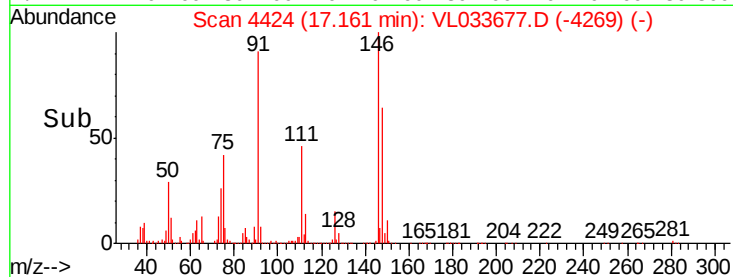
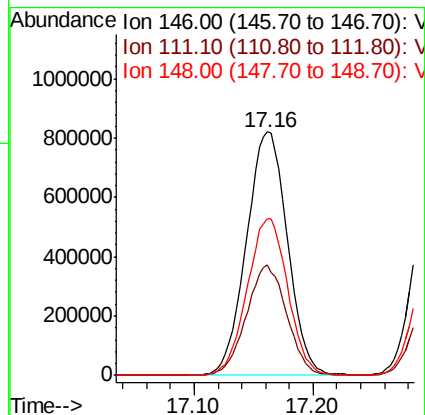
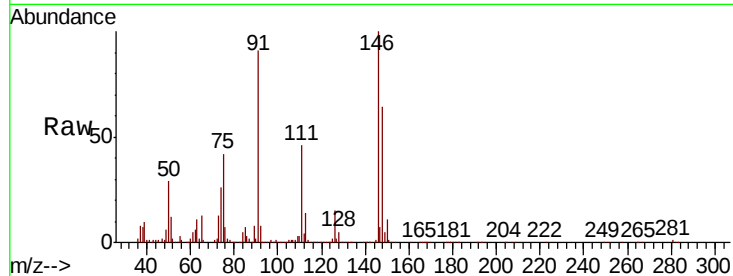
Tgt Ion:146 Resp: 1959914

Ion Ratio Lower Upper

146 100

111 44.7 22.6 67.7

148 63.9 31.8 95.4



#76

1,4-Dichlorobenzene

Concen: 7.508 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

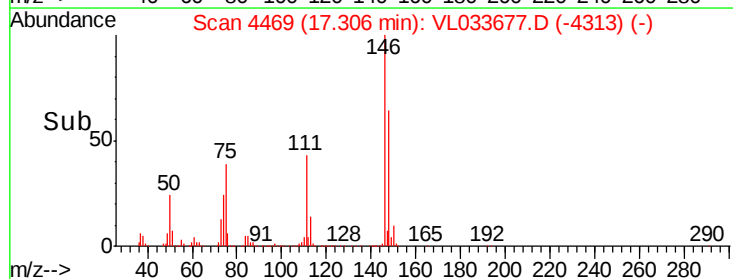
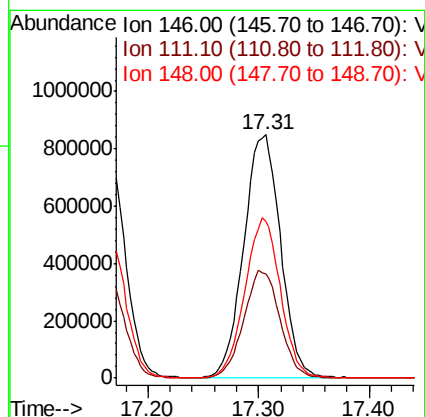
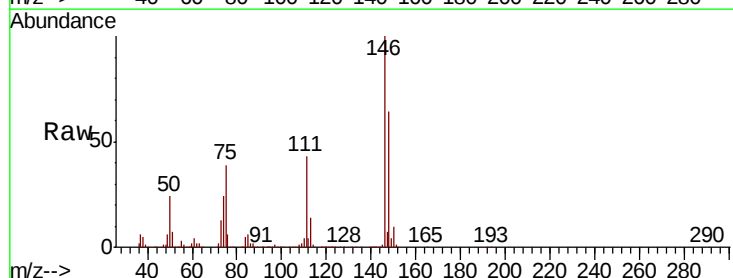
Tgt Ion:146 Resp: 1962302

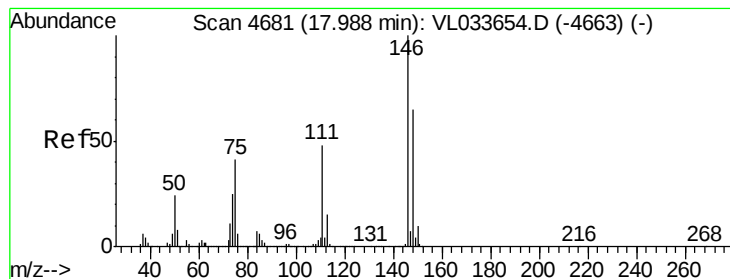
Ion Ratio Lower Upper

146 100

111 43.6 22.0 66.0

148 64.0 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 7.017 ppbv

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

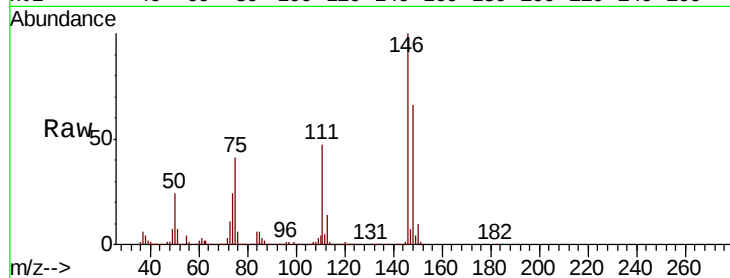
Tgt Ion:146 Resp: 1790186

Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.0

148 64.8 31.9 95.9

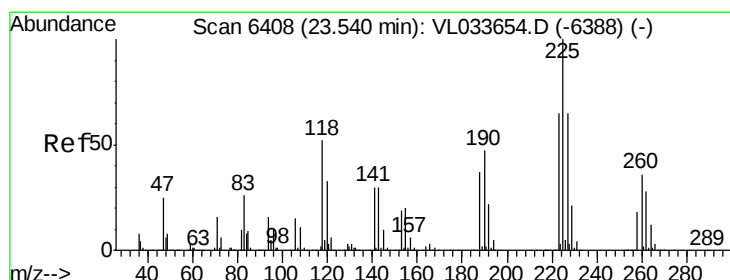
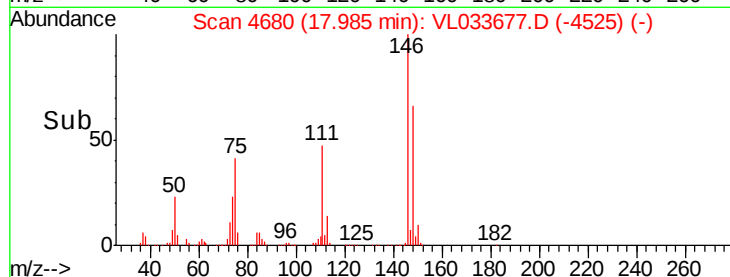
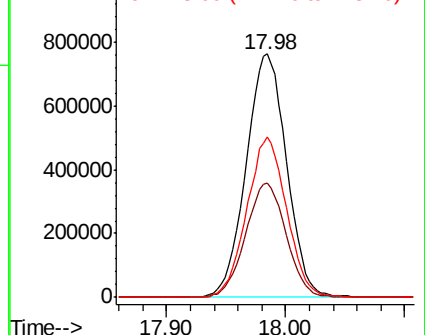


Abundance

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: 6.952 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

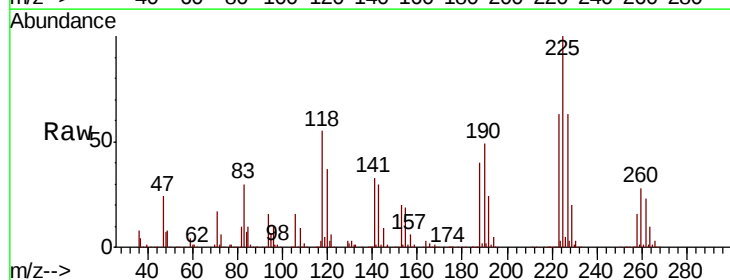
Tgt Ion:225 Resp: 1405646

Ion Ratio Lower Upper

225 100

223 63.4 50.7 76.1

227 64.4 51.4 77.2

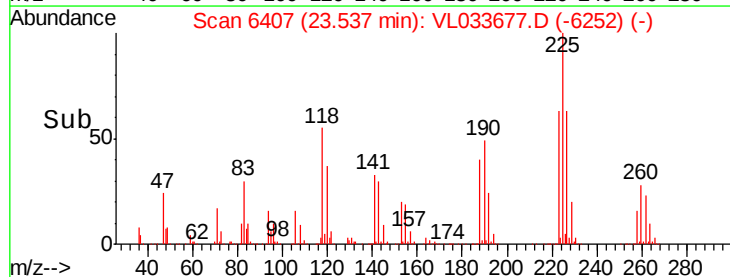
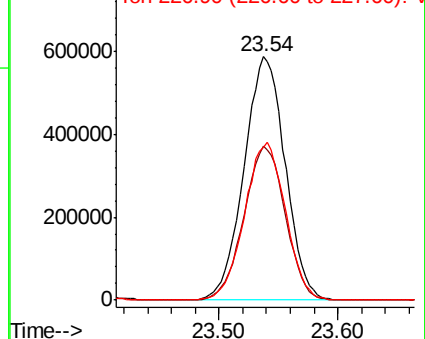


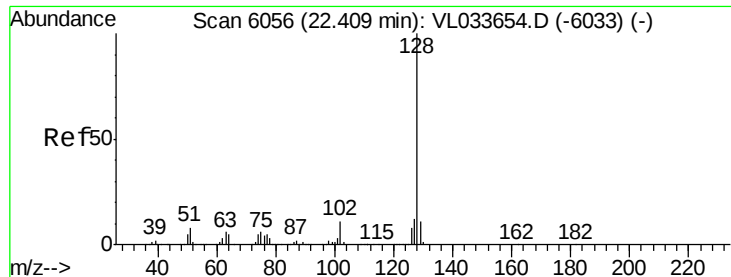
Abundance

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: 6.702 ppbv

RT: 22.40 min Scan# 6054

Delta R.T. -0.01 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

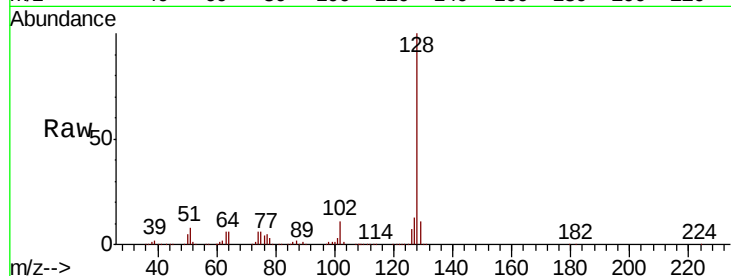
Tgt Ion:128 Resp: 2789964

Ion Ratio Lower Upper

128 100

127 13.0 9.8 14.8

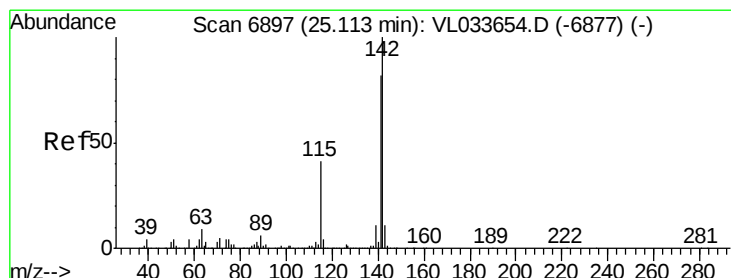
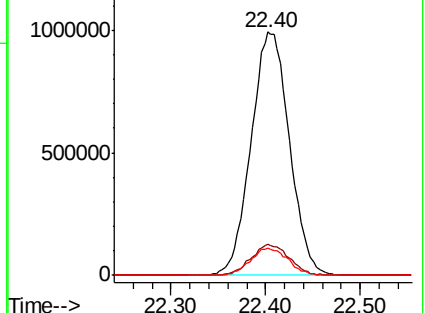
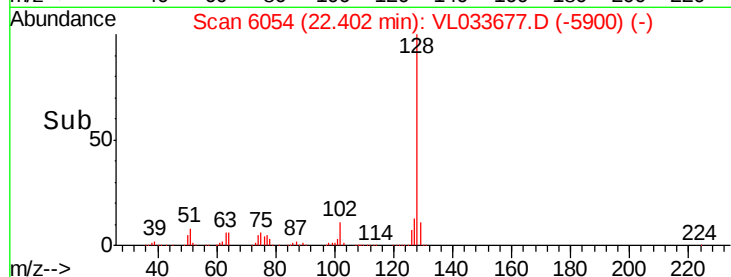
129 11.0 8.8 13.2



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: 7.207 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL033677.D

Acq: 7 May 2019 10:51

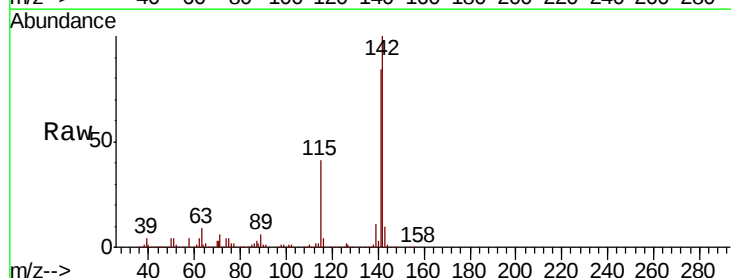
Tgt Ion:142 Resp: 1134223

Ion Ratio Lower Upper

142 100

141 82.9 67.9 101.9

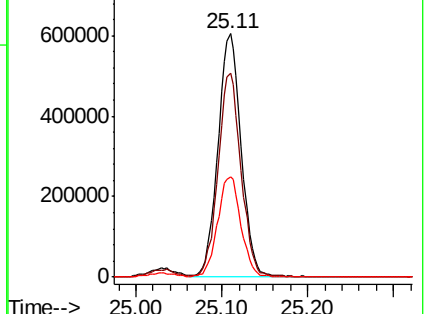
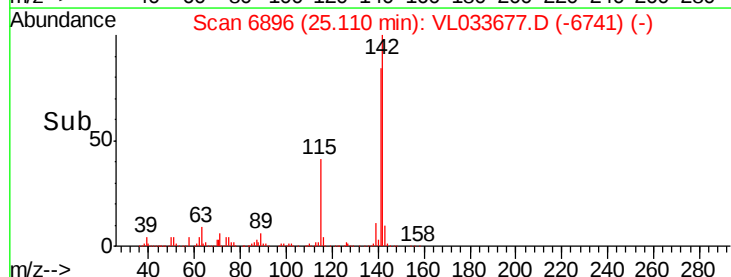
115 41.7 34.2 51.4

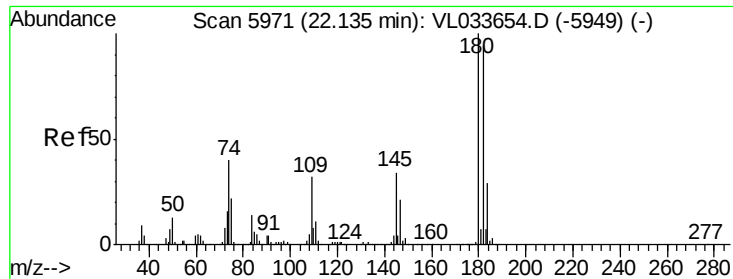


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.404 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL033677.D
 Acq: 7 May 2019 10:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1548908
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.4 116.0
 184 30.3 24.6 36.8

