

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033085.D
 Acq On : 5 Jan 2019 2:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jan 05 03:19:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1115767	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2807129	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3338167	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2048744	8.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2445011	11.775	ppbv	98
3) Chlorodifluoromethane	3.01	51	1353095	10.713	ppbv	100
4) Chloromethane	3.17	50	740375	10.235	ppbv	100
5) Vinyl Chloride	3.29	62	759007	10.389	ppbv	99
6) Bromomethane	3.52	94	489660	9.866	ppbv	97
7) Chloroethane	3.60	64	275253	9.634	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1895174	10.596	ppbv	100
9) Propene	3.04	41	550457	11.666	ppbv	100
10) Heptane	8.25	43	1238634	9.220	ppbv	100
11) Trichlorofluoromethane	4.01	101	1826420	7.960	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1244525	8.578	ppbv	100
13) Ethanol	3.65	45	143991	7.653	ppbv	96
14) Bromoethene	3.79	108	586373	9.151	ppbv	97
15) Acetone	3.90	43	1216198	7.875	ppbv	100
16) 1,3-Butadiene	3.37	39	604917	10.387	ppbv	95
17) tert-Butyl alcohol	4.55	59	4915	0.150	ppbv	98
18) 1,1-Dichloroethene	4.35	96	568501	8.507	ppbv	94
19) Isopropyl Alcohol	4.02	45	808938	7.609	ppbv	100
20) Methylene Chloride	4.41	84	489107	7.597	ppbv	99
21) Allyl Chloride	4.48	41	883139	9.228	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	576288	8.699	ppbv	96
23) Vinyl Acetate	5.16	43	1743397	8.874	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1450554	8.696	ppbv	99
25) Ethyl Acetate	5.77	43	2229454	8.540	ppbv	100
26) Hexane	5.79	57	1034100	8.413	ppbv	99
27) Carbon Disulfide	4.62	76	1396562	9.213	ppbv	98
28) Methyl tert-Butyl Ether	5.12	73	1517724	7.910	ppbv	100
29) Chloroform	5.85	83	1736039	8.288	ppbv	99
30) Cyclohexane	7.25	84	904956	9.874	ppbv	100
31) cis-1,2-Dichloroethene	5.65	61	1072716	9.398	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	1854866	8.725	ppbv	100
34) 2-Butanone	5.33	43	1462740	8.968	ppbv	99
35) Carbon Tetrachloride	7.14	117	1952814	8.099	ppbv	99
36) Benzene	7.01	78	2077922	9.037	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1341249	8.354	ppbv	100
38) Trichloroethene	7.97	130	858835	9.079	ppbv	98
39) 1,2-Dichloropropane	7.74	63	772103	8.938	ppbv	100
40) 1,4-Dioxane	7.96	88	293107	8.939	ppbv #	1
41) Tetrahydrofuran	6.15	42	793101	9.554	ppbv	98
42) Bromodichloromethane	7.92	83	1898106	8.606	ppbv	98
43) Methyl Methacrylate	8.14	69	837811	9.710	ppbv	99

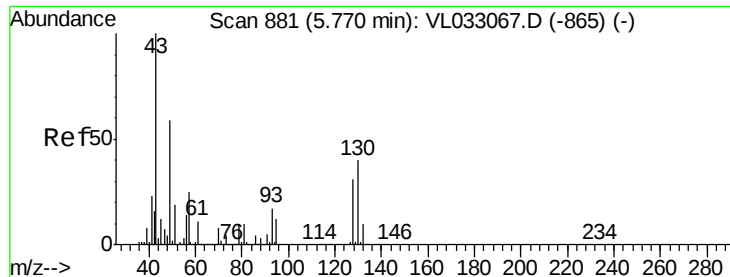
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033085.D
 Acq On : 5 Jan 2019 2:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jan 05 03:19:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3503054	8.996	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1025074	9.544	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1247662	10.178	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	863006	8.551	ppbv	98
48) Dibromochloromethane	10.46	129	1641358	9.205	ppbv	100
49) Bromoform	13.21	173	1396682	8.965	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2013807	9.744	ppbv	100
51) 2-Hexanone	10.28	43	1563400	10.455	ppbv	99
52) Tetrachloroethene	11.38	164	722552	8.890	ppbv	97
53) Toluene	9.96	91	2365940	9.601	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1342215	9.230	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1185595	6.874	ppbv	98
57) Chlorobenzene	12.31	112	1842022	6.611	ppbv	100
58) Ethyl Benzene	12.87	91	3210803	7.618	ppbv	97
59) m/p-Xylene	13.13	91	2642758	6.778	ppbv #	100
60) o-Xylene	13.86	91	2621769	6.869	ppbv	99
61) Styrene	13.70	104	1779251	7.305	ppbv	99
62) Isopropylbenzene	14.84	105	3822866	7.038	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1907366	6.727	ppbv	100
64) n-propylbenzene	15.73	120	968976	7.022	ppbv	100
65) tert-Butylbenzene	16.92	119	3443653	7.157	ppbv	100
66) Benzyl Chloride	17.16	91	1618079	5.900	ppbv	100
67) sec-Butylbenzene	17.47	105	4751116	6.900	ppbv	100
69) p-Isopropyltoluene	17.83	119	3811813	6.821	ppbv	99
70) n-Butylbenzene	18.72	91	3799870	6.764	ppbv	100
71) 2-Chlorotoluene	15.63	91	2802512	7.275	ppbv	100
72) 4-Ethyltoluene	16.01	105	3001479	7.156	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	2937068	7.097	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	2982871	6.508	ppbv	96
75) 1,3-Dichlorobenzene	17.18	146	1645642	6.099	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	1584937	6.449	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1608608	6.620	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1126465	6.036	ppbv	100
79) Naphthalene	22.42	128	2243593	5.811	ppbv	96
80) Naphthalene,2-methyl-	25.12	142	542790	4.633	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1103557	5.917	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

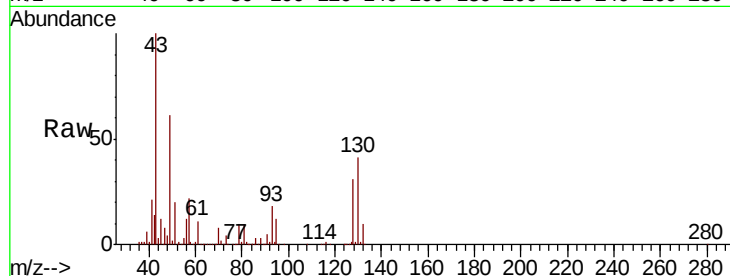
Tgt Ion: 49 Resp: 1115767

Ion Ratio Lower Upper

49 100

128 52.1 26.2 78.5

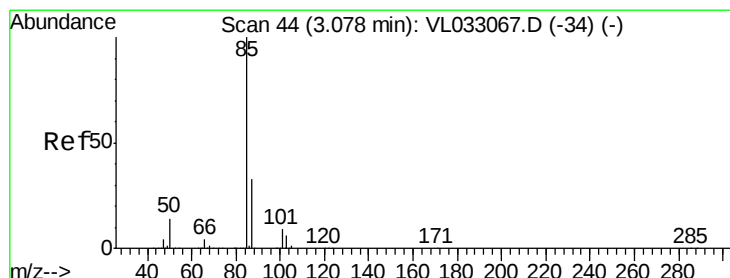
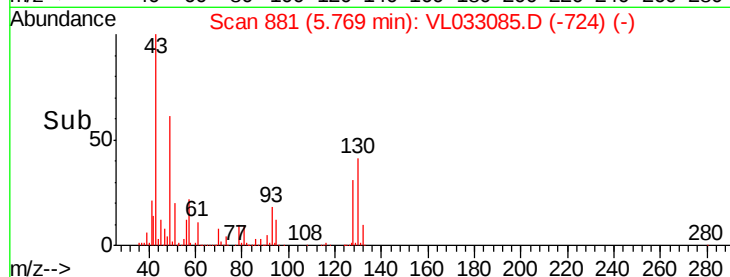
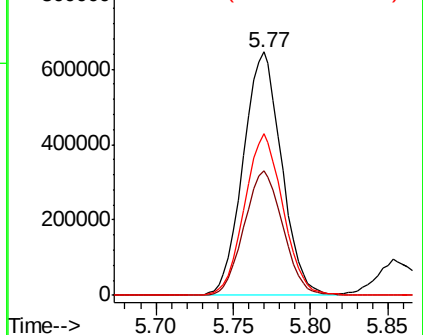
130 66.4 33.6 100.6



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: 11.775 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033085.D

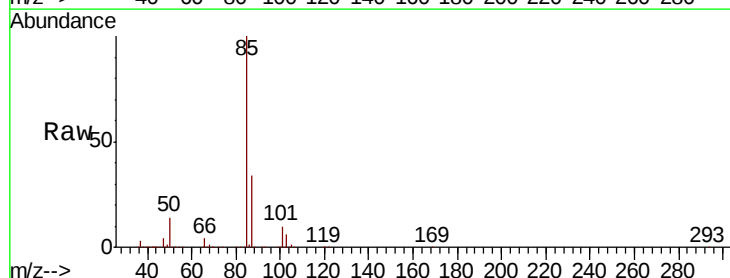
Acq: 5 Jan 2019 2:18

Tgt Ion: 85 Resp: 2445011

Ion Ratio Lower Upper

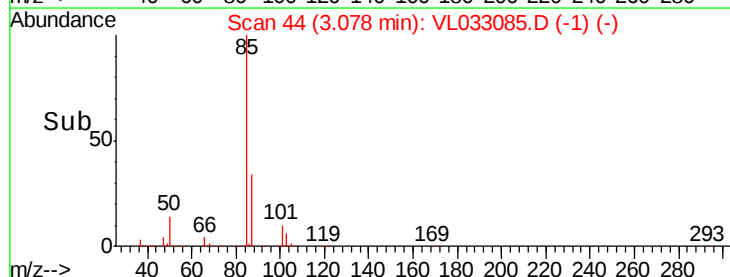
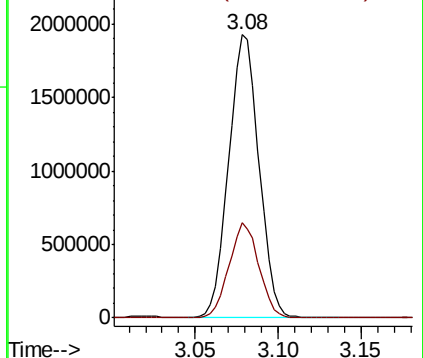
85 100

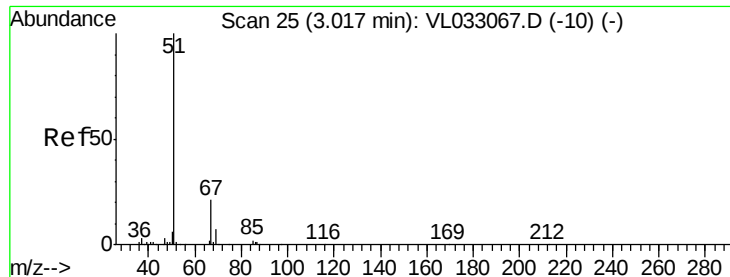
87 33.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.713 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

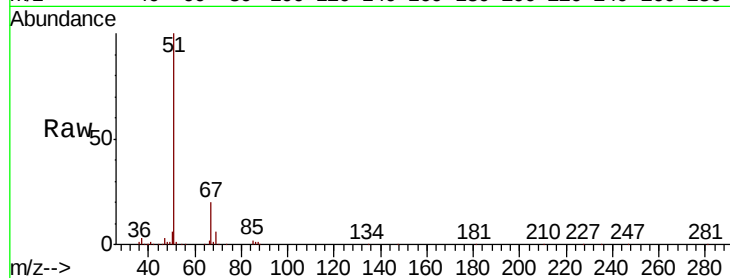
VSTDCCC010EC

Tgt Ion: 51 Resp: 1353095

Ion Ratio Lower Upper

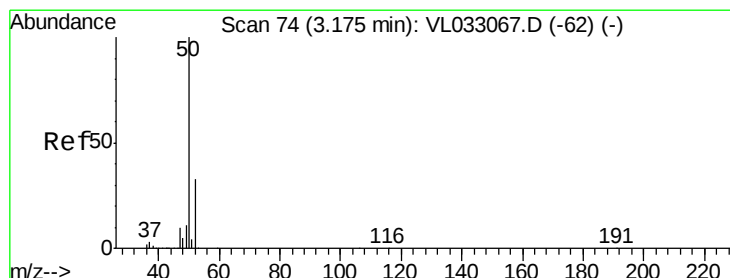
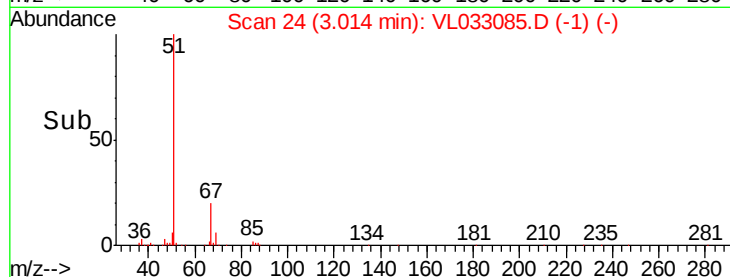
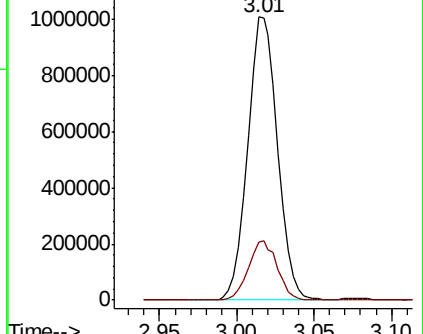
51 100

67 20.4 16.3 24.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.235 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033085.D

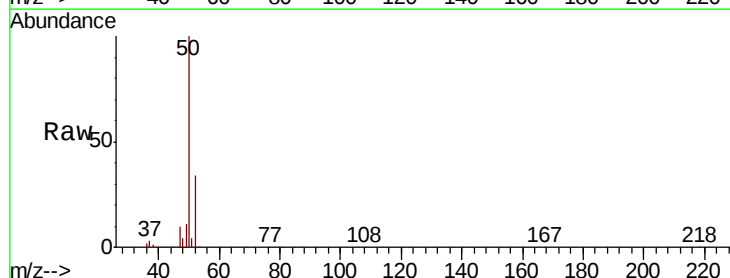
Acq: 5 Jan 2019 2:18

Tgt Ion: 50 Resp: 740375

Ion Ratio Lower Upper

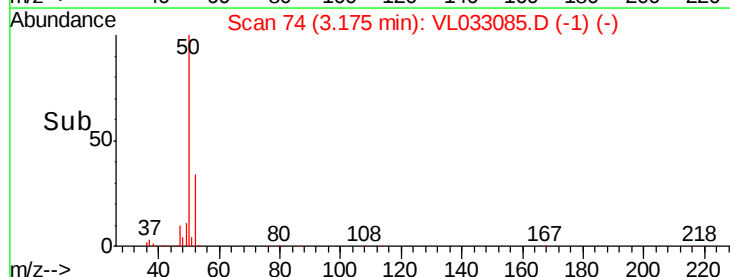
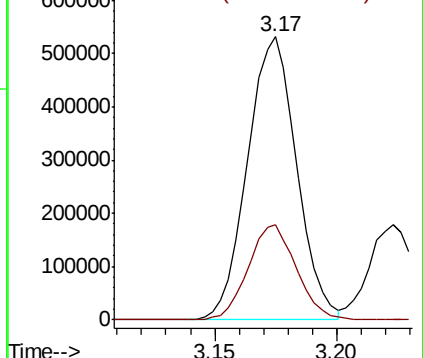
50 100

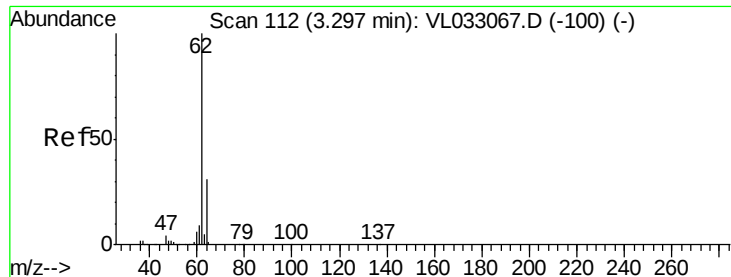
52 33.8 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.389 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

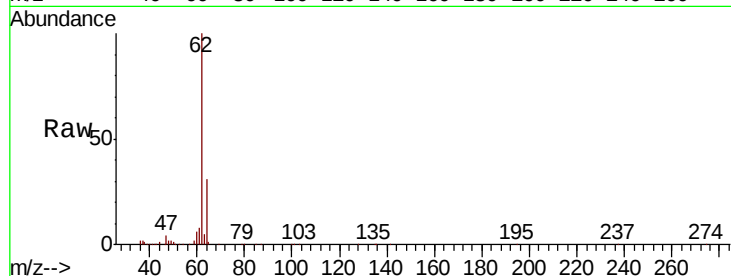
VSTDCCC010EC

Tgt Ion: 62 Resp: 759007

Ion Ratio Lower Upper

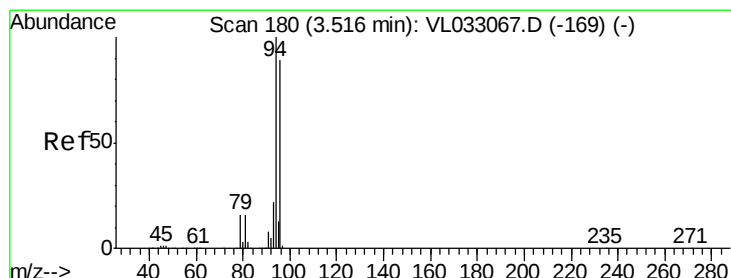
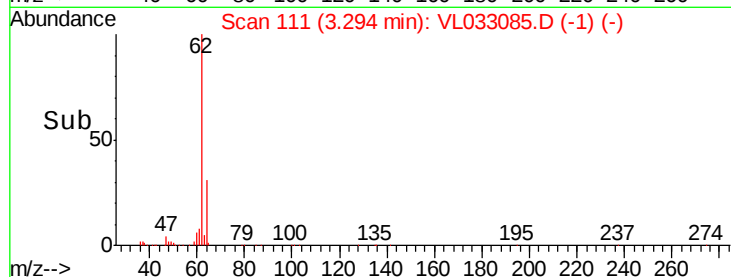
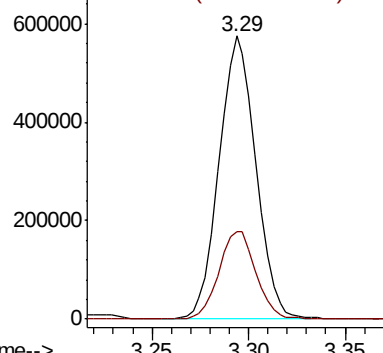
62 100

64 31.1 25.3 37.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.866 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033085.D

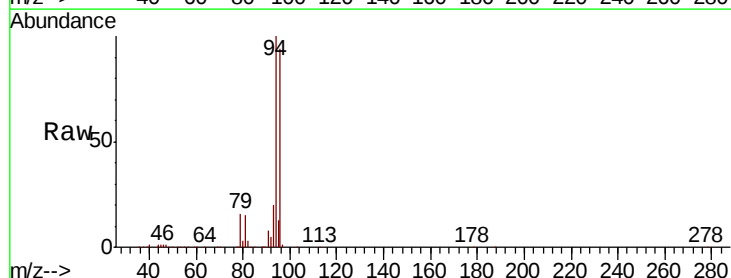
Acq: 5 Jan 2019 2:18

Tgt Ion: 94 Resp: 489660

Ion Ratio Lower Upper

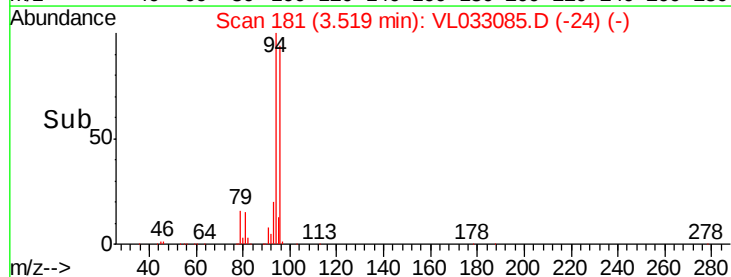
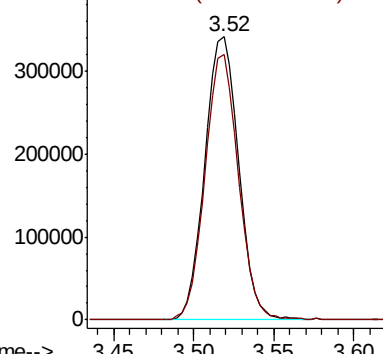
94 100

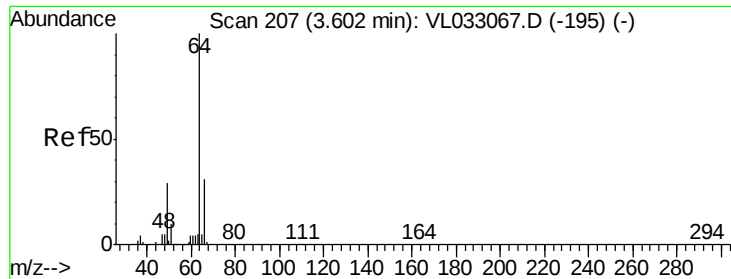
96 93.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.634 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

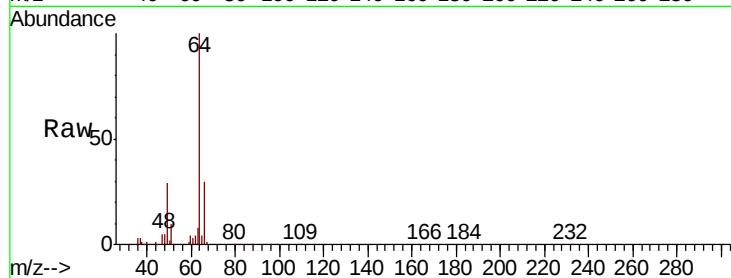
VSTDCCC010EC

Tgt Ion: 64 Resp: 275253

Ion Ratio Lower Upper

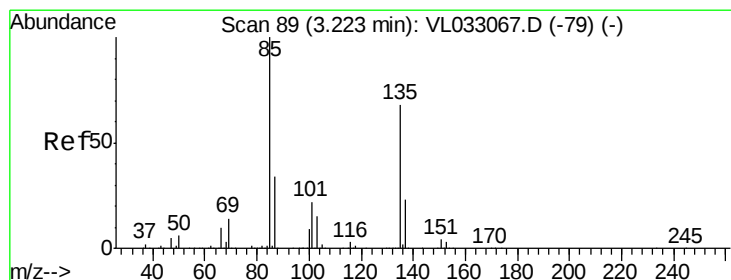
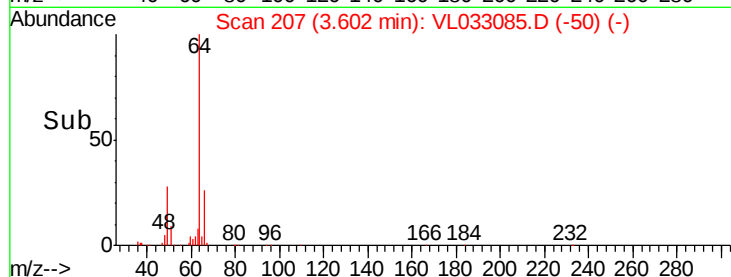
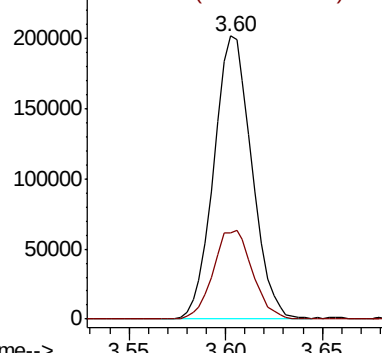
64 100

66 30.3 23.7 35.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.596 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033085.D

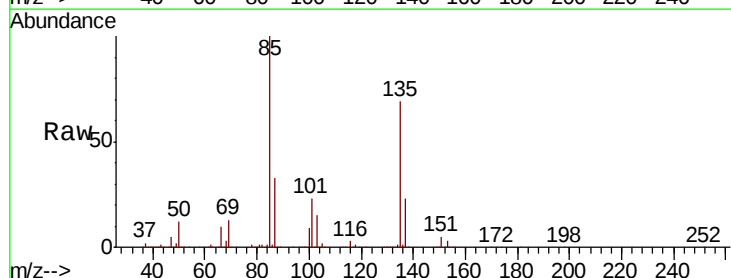
Acq: 5 Jan 2019 2:18

Tgt Ion: 85 Resp: 1895174

Ion Ratio Lower Upper

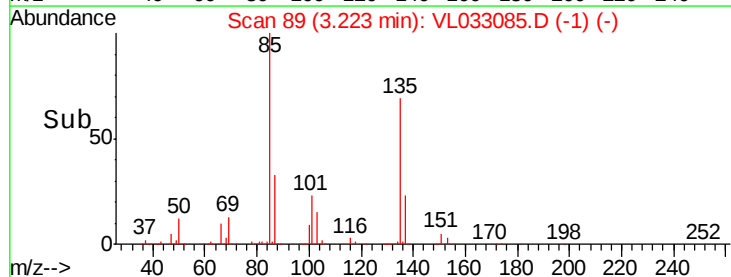
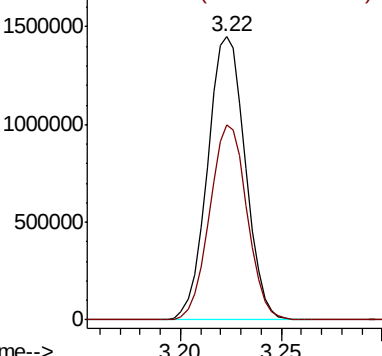
85 100

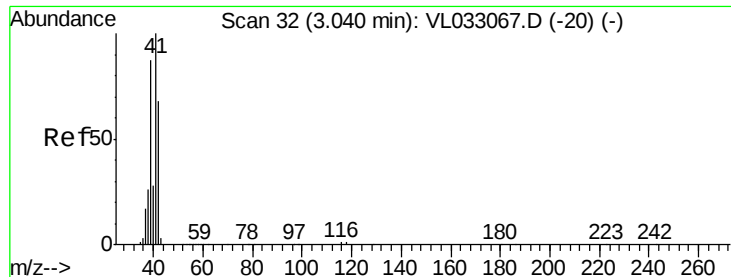
135 68.8 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.666 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

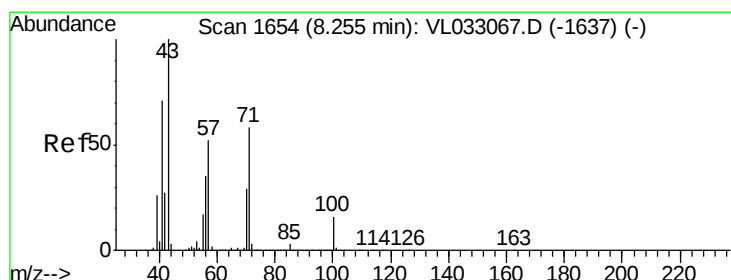
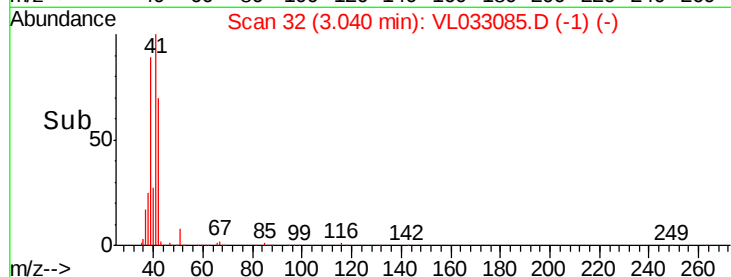
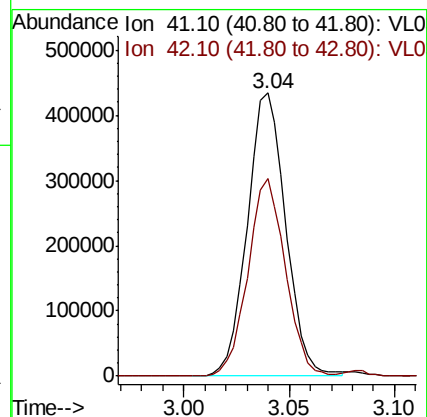
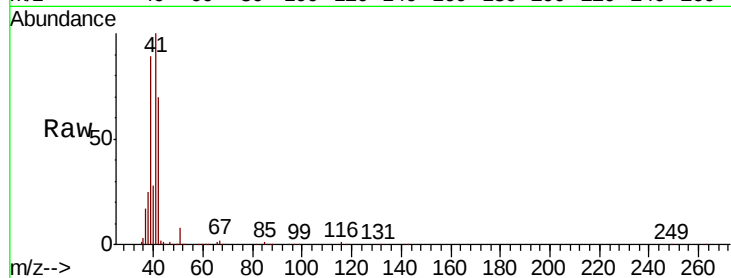
VSTDCCC010EC

Tgt Ion: 41 Resp: 550457

Ion Ratio Lower Upper

41 100

42 69.5 55.3 82.9



#10

Heptane

Concen: 9.220 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL033085.D

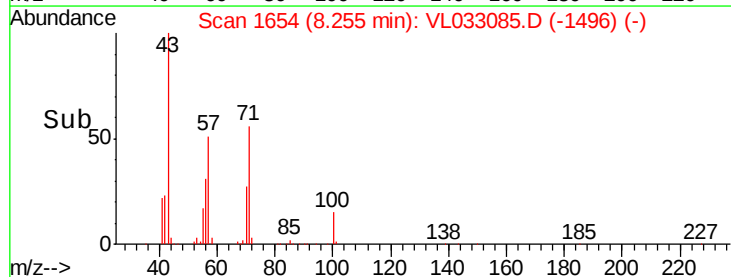
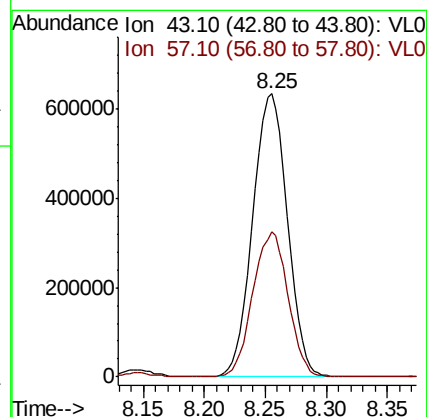
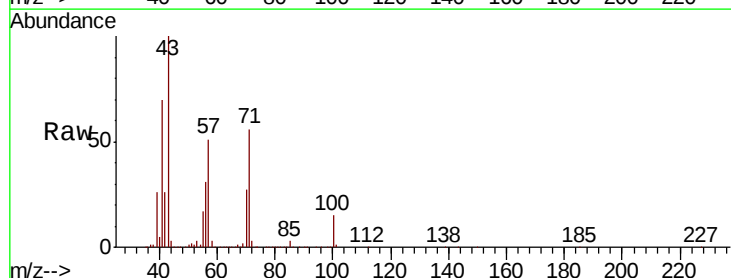
Acq: 5 Jan 2019 2:18

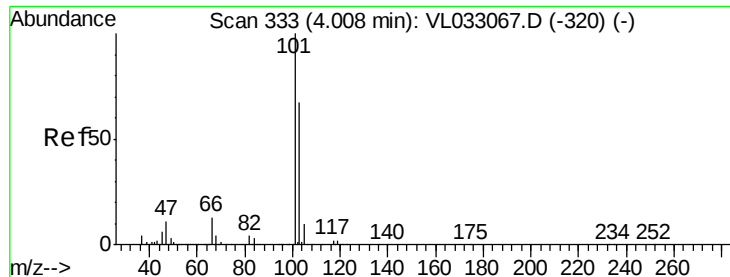
Tgt Ion: 43 Resp: 1238634

Ion Ratio Lower Upper

43 100

57 52.4 41.9 62.9





#11

Trichlorofluoromethane

Concen: 7.960 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

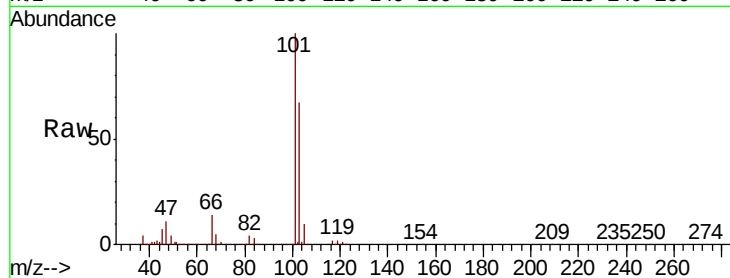
VSTDCCC010EC

Tgt Ion:101 Resp: 1826420

Ion Ratio Lower Upper

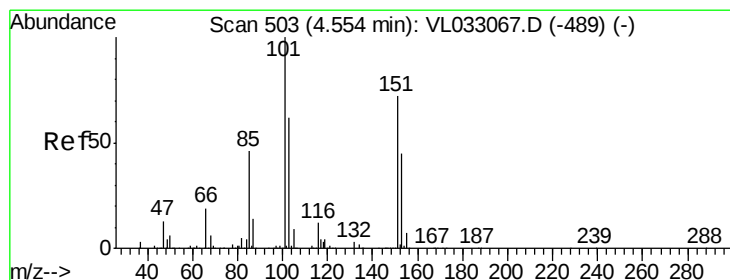
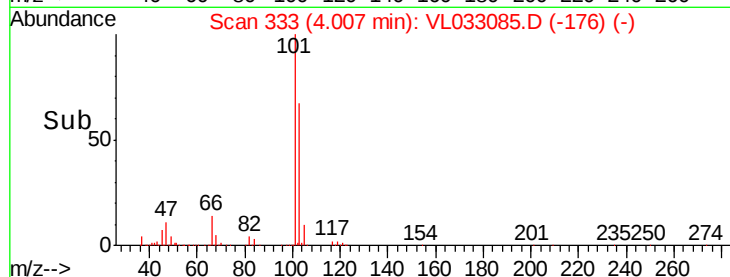
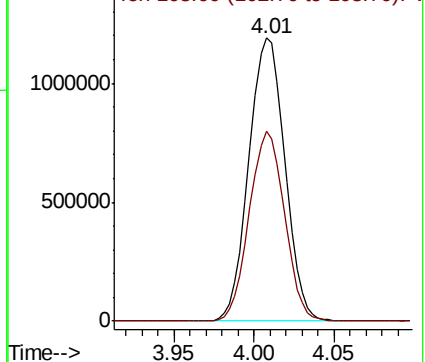
101 100

103 67.2 51.7 77.5



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: 8.578 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033085.D

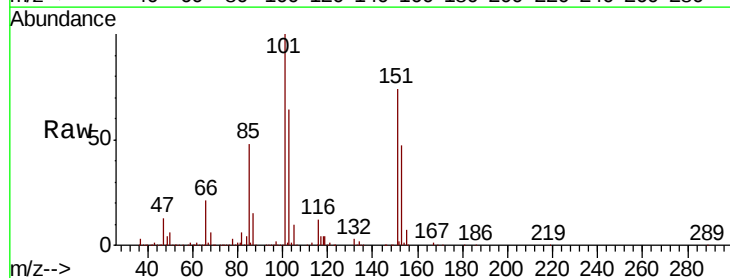
Acq: 5 Jan 2019 2:18

Tgt Ion:101 Resp: 1244525

Ion Ratio Lower Upper

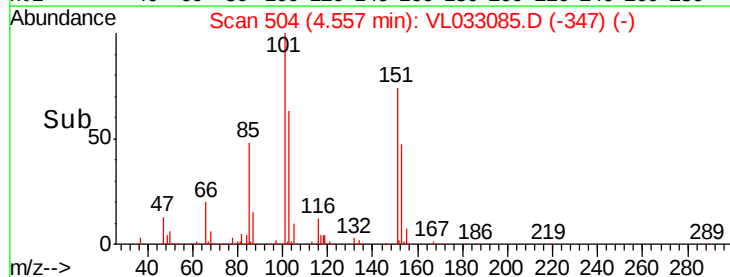
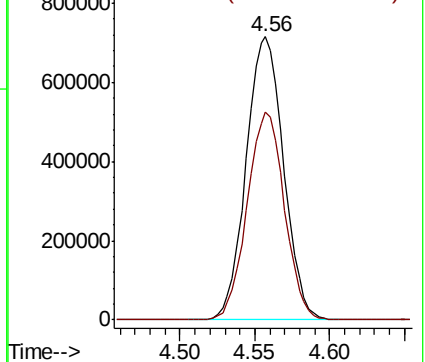
101 100

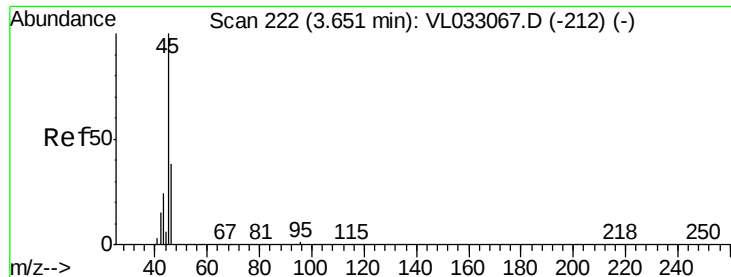
151 73.1 58.3 87.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.653 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

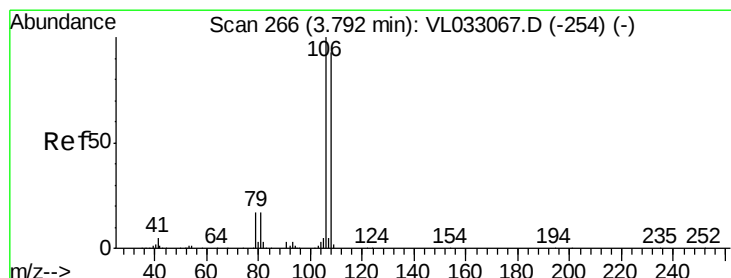
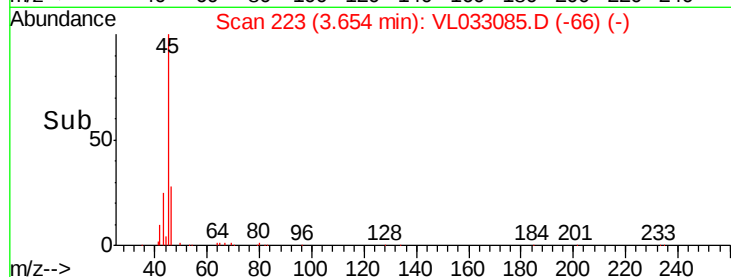
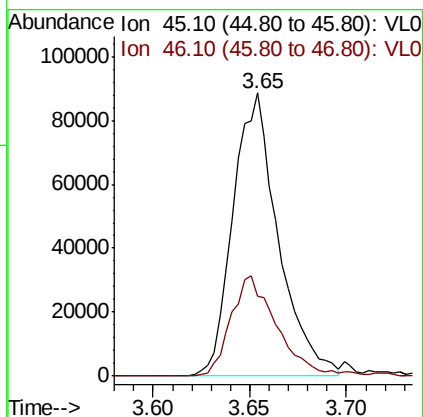
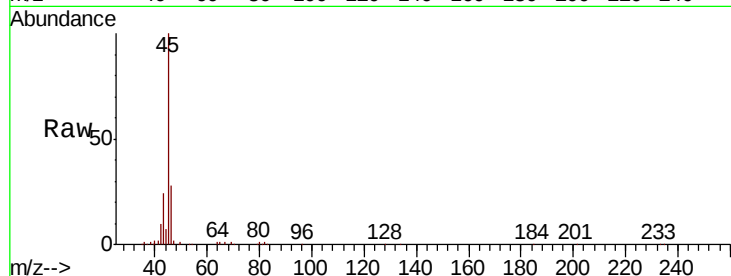
VSTDCCC010EC

Tgt Ion: 45 Resp: 143991

Ion Ratio Lower Upper

45 100

46 36.8 13.8 55.2



#14

Bromoethene

Concen: 9.151 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

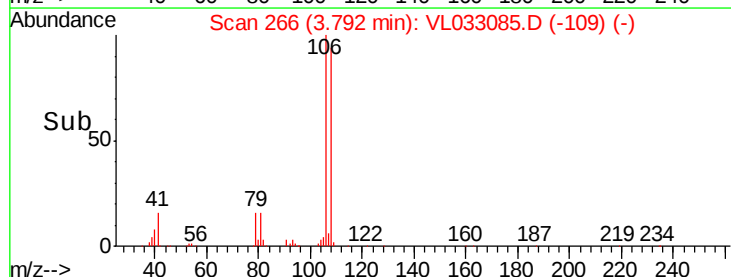
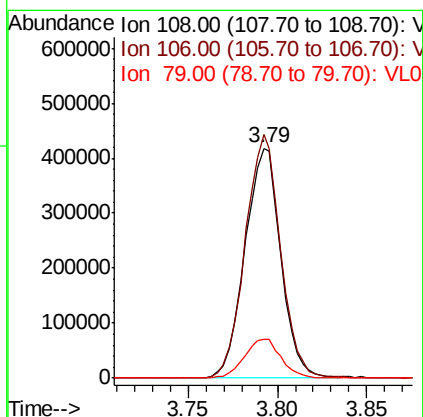
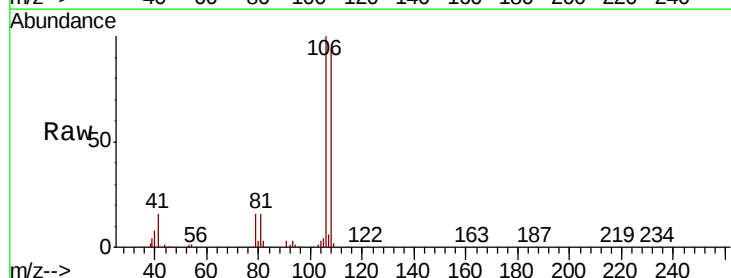
Tgt Ion: 108 Resp: 586373

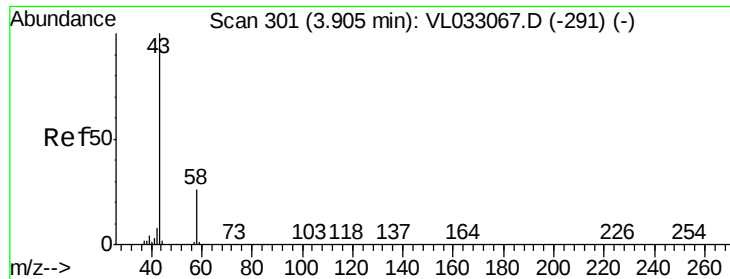
Ion Ratio Lower Upper

108 100

106 104.6 86.4 129.6

79 17.5 14.3 21.5

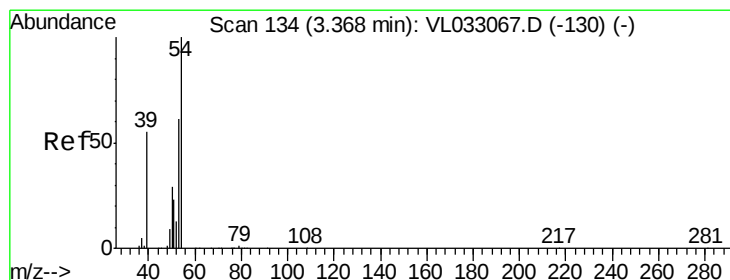
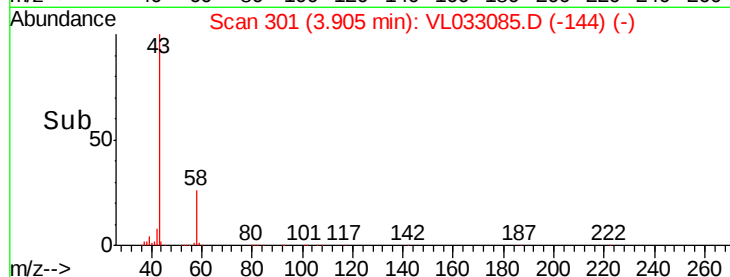
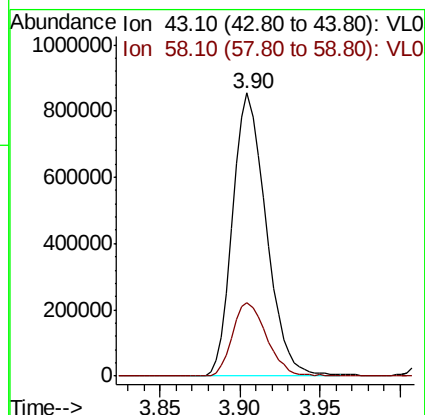
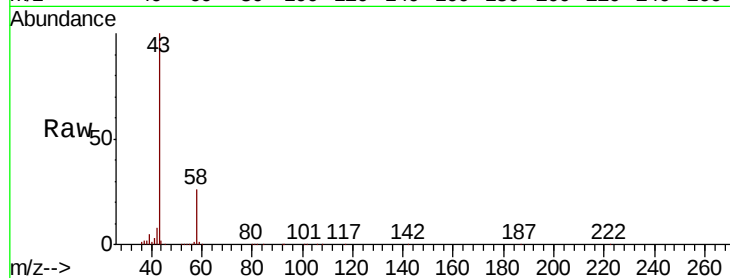




#15
Acetone
Concen: 7.875 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

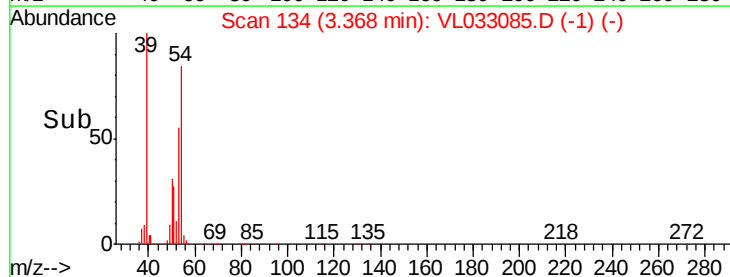
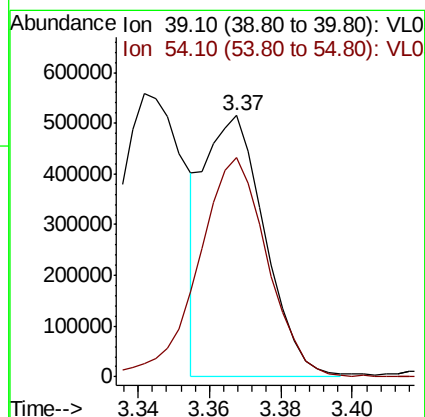
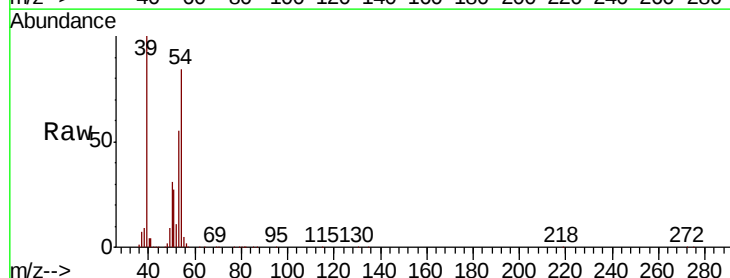
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

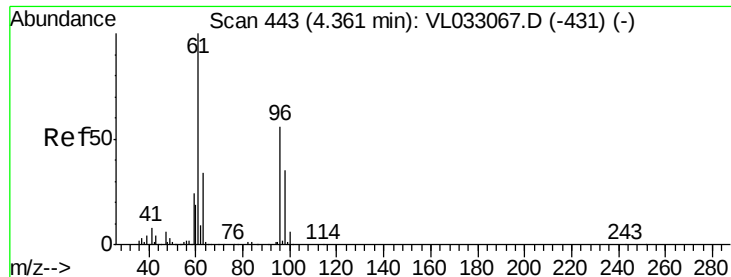
Tgt Ion: 43 Resp: 1216198
Ion Ratio Lower Upper
43 100
58 26.6 21.1 31.7



#16
1,3-Butadiene
Concen: 10.387 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 39 Resp: 604917
Ion Ratio Lower Upper
39 100
54 96.7 73.7 110.5





#17

tert-Butyl alcohol

Concen: 0.150 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.19 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

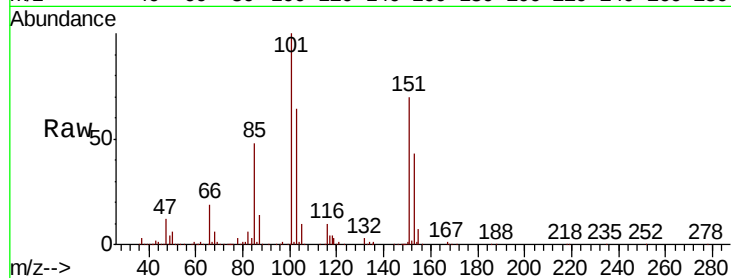
VSTDCCC010EC

Tgt Ion: 59 Resp: 4915

Ion Ratio Lower Upper

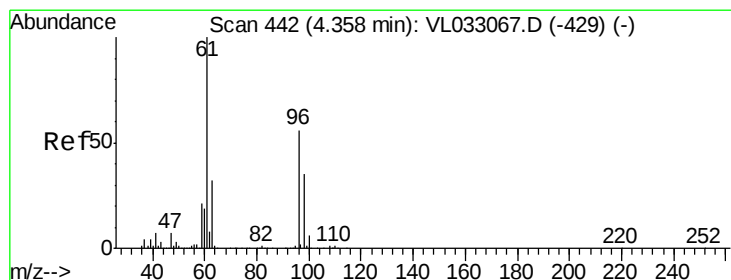
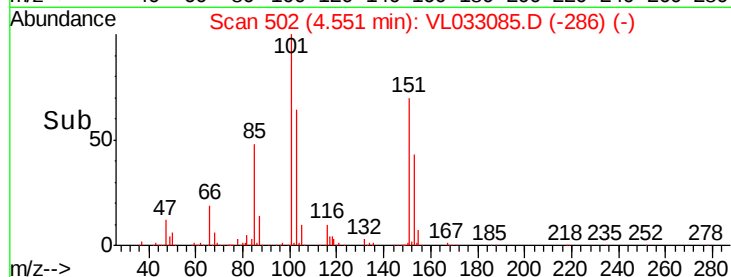
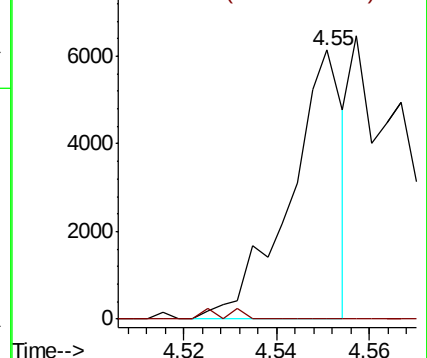
59 100

57 8.9 7.7 11.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.507 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

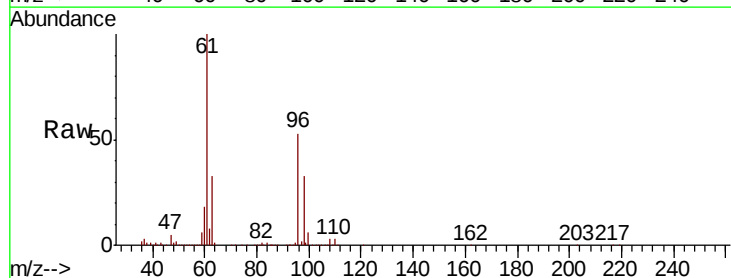
Tgt Ion: 96 Resp: 568501

Ion Ratio Lower Upper

96 100

61 189.5 143.7 215.5

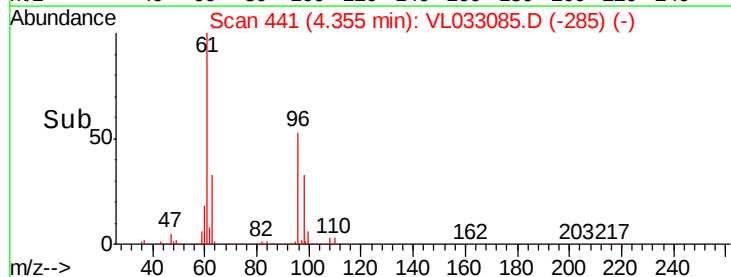
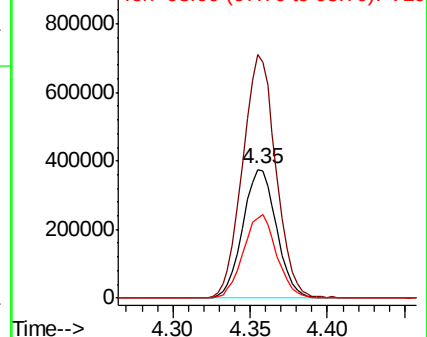
98 61.8 52.1 78.1

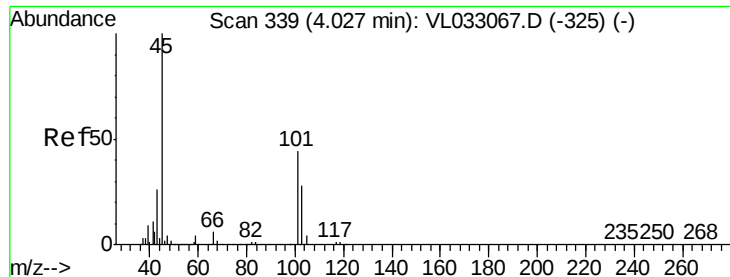


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 7.609 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

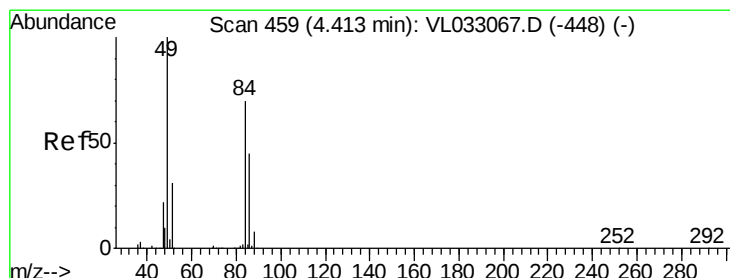
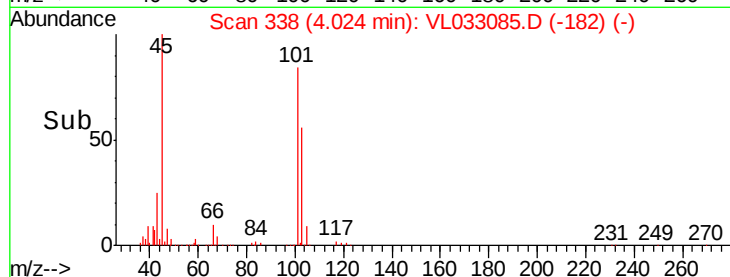
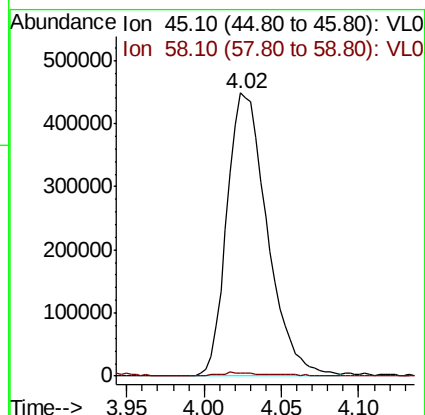
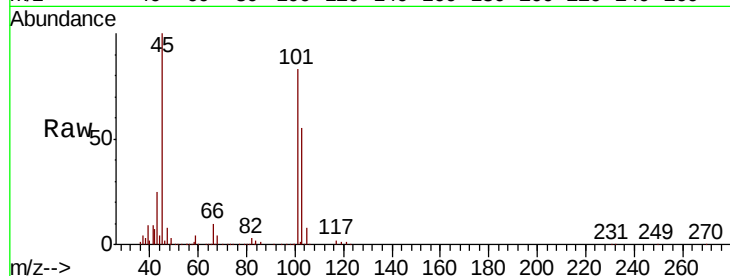
VSTDCCC010EC

Tgt Ion: 45 Resp: 808938

Ion Ratio Lower Upper

45 100

58 1.7 1.4 2.2



#20

Methylene Chloride

Concen: 7.597 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Tgt Ion: 84 Resp: 489107

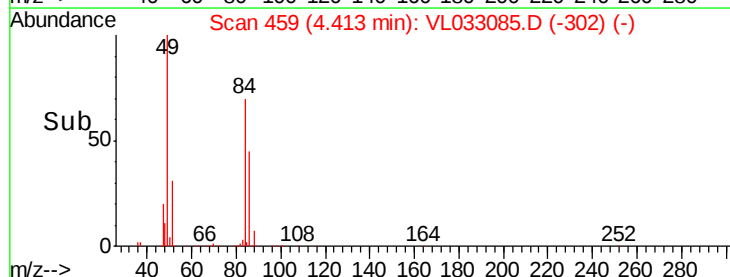
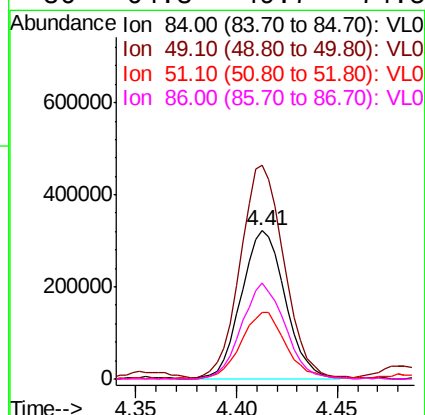
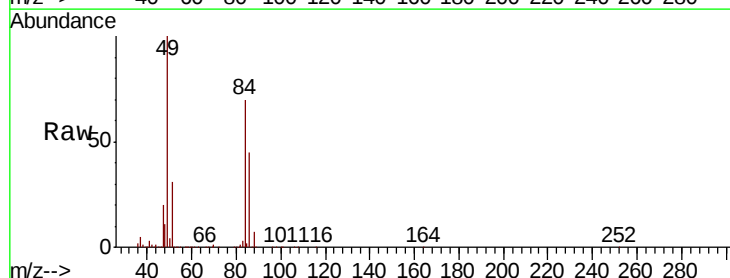
Ion Ratio Lower Upper

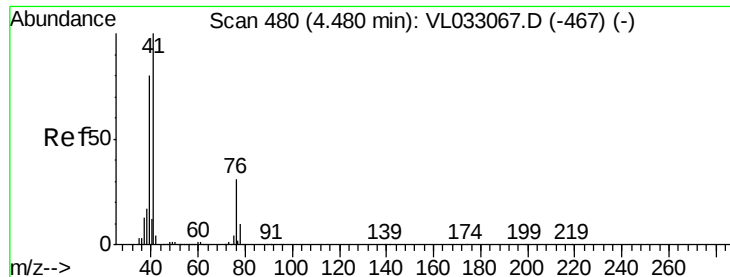
84 100

49 143.4 115.8 173.6

51 44.9 35.7 53.5

86 64.3 49.7 74.5





#21

Allyl Chloride

Concen: 9.228 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

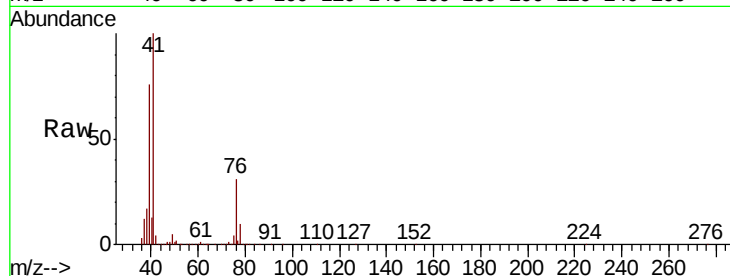
Tgt Ion: 41 Resp: 883139

Ion Ratio Lower Upper

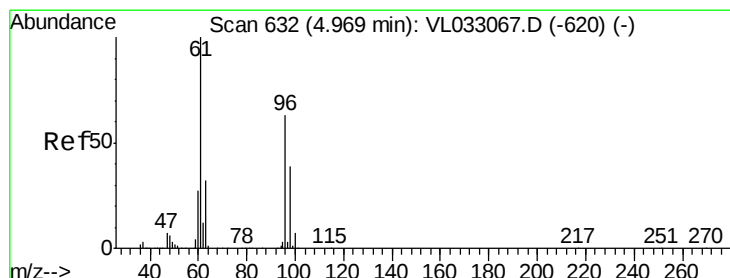
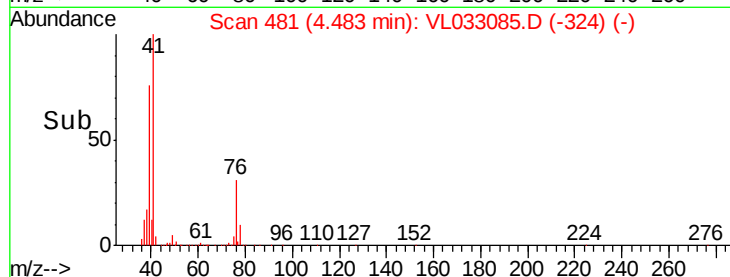
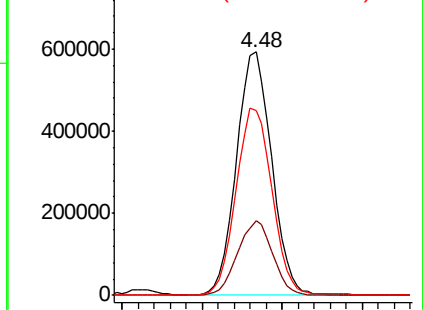
41 100

76 30.9 24.6 36.8

39 79.1 62.8 94.2



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: 8.699 ppbv

RT: 4.97 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

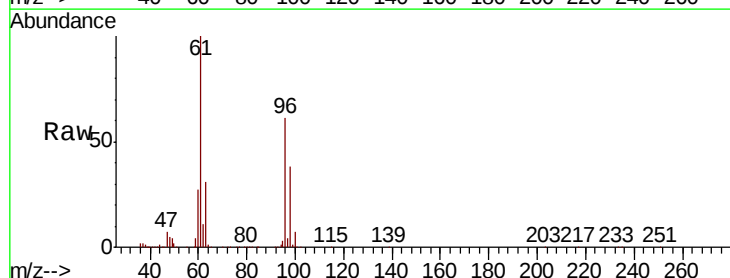
Tgt Ion: 96 Resp: 576288

Ion Ratio Lower Upper

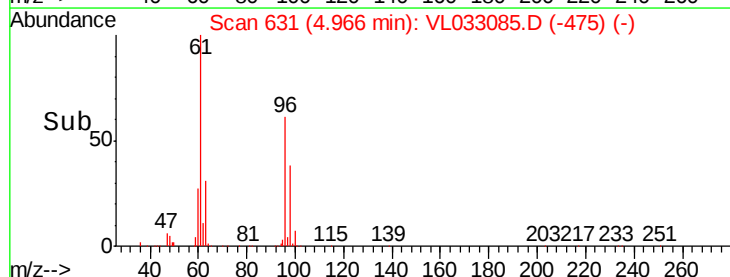
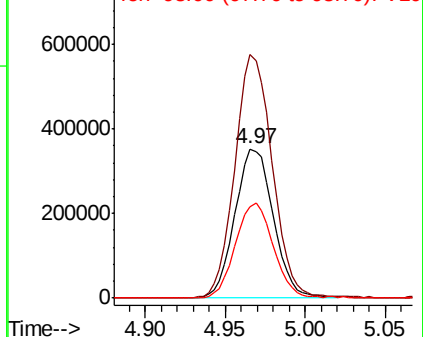
96 100

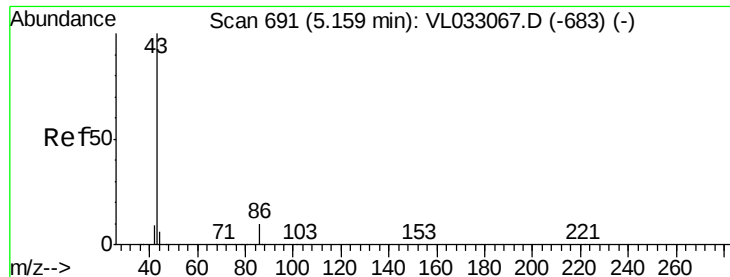
61 163.3 125.2 187.8

98 61.5 50.9 76.3



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





#23

Vinyl Acetate

Concen: 8.874 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

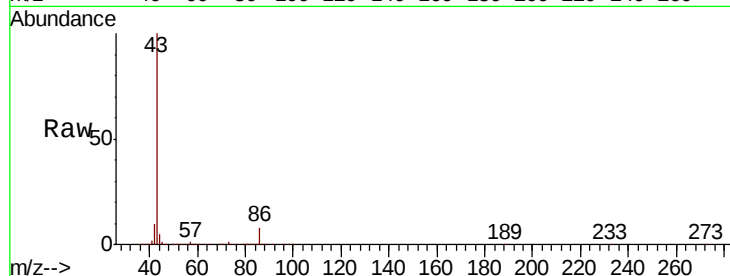
MSVOA_L

ClientSampleId :

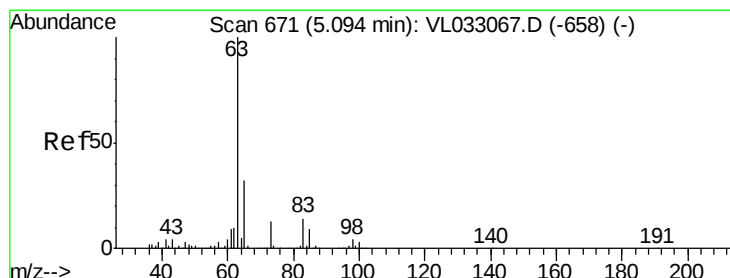
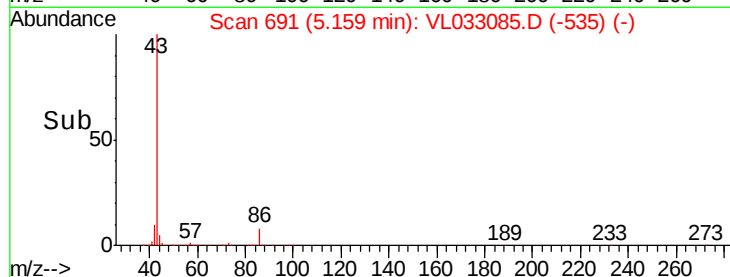
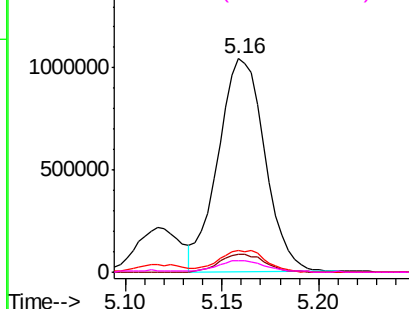
VSTDCCC010EC

Tgt Ion: 43 Resp: 1743397

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.4
42	9.9	8.1	12.1
44	5.1	4.3	6.5



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: 8.696 ppbv

RT: 5.10 min Scan# 672

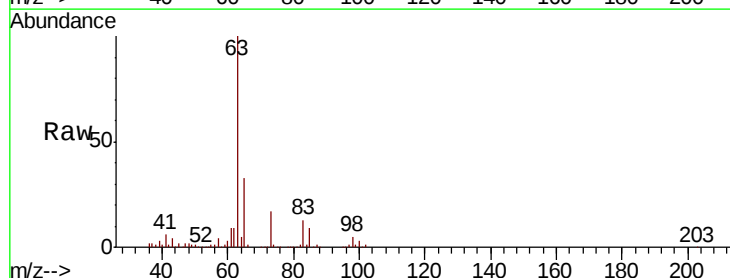
Delta R.T. 0.00 min

Lab File: VL033085.D

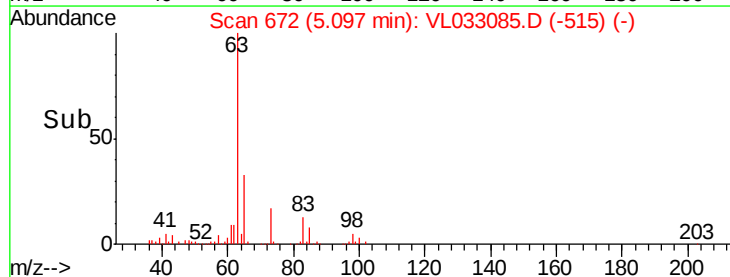
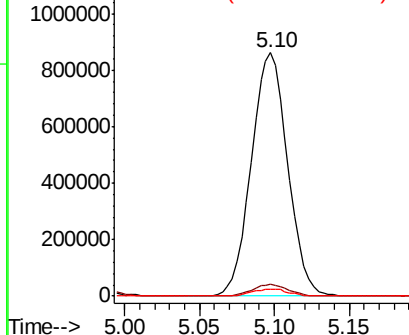
Acq: 5 Jan 2019 2:18

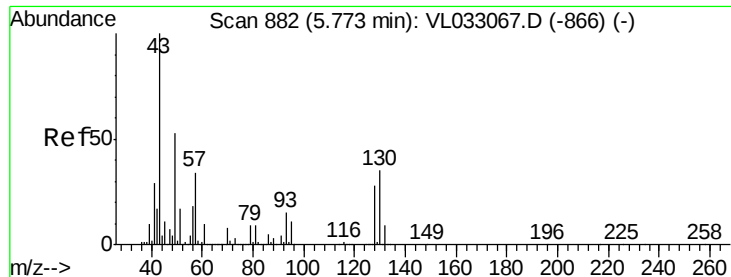
Tgt Ion: 63 Resp: 1450554

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.2
100	3.1	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

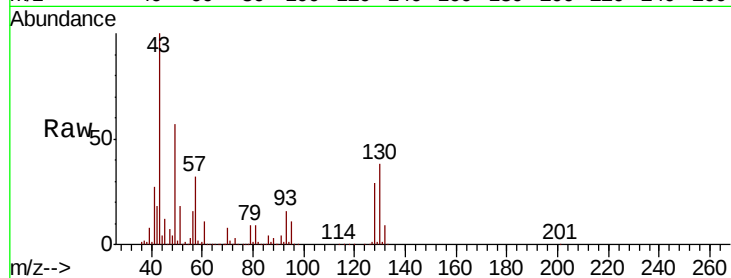




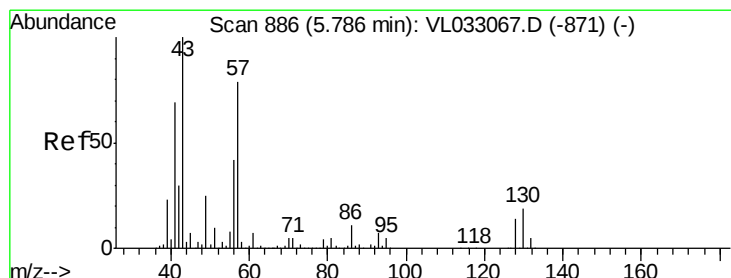
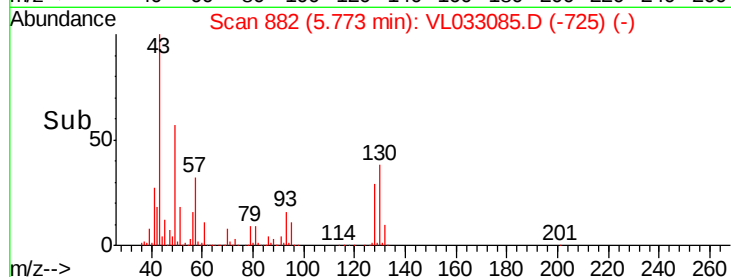
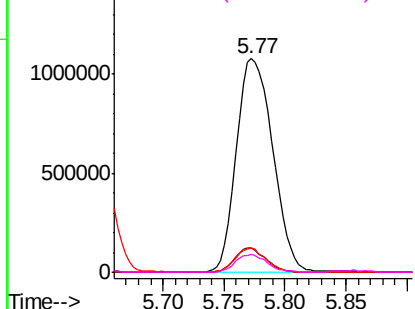
#25
Ethyl Acetate
Concen: 8.540 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2229454
Ion Ratio Lower Upper
43 100
45 9.9 7.9 11.9
61 9.7 7.8 11.8
70 7.2 6.0 9.0

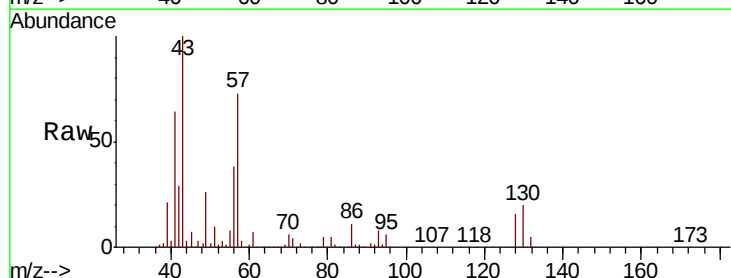


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

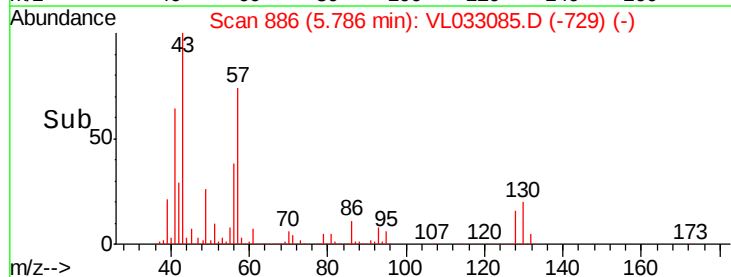
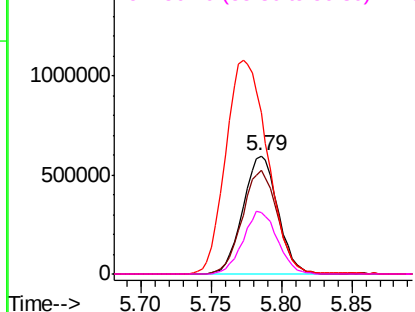


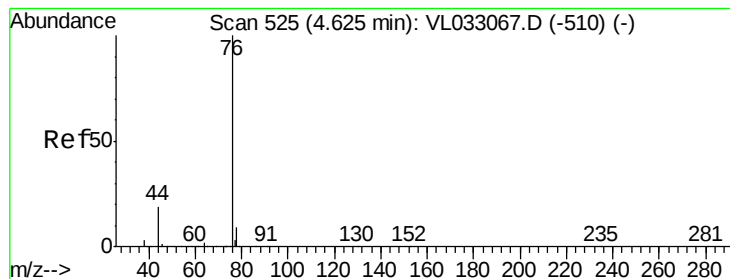
#26
Hexane
Concen: 8.413 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 57 Resp: 1034100
Ion Ratio Lower Upper
57 100
41 90.3 70.8 106.2
43 216.1 171.8 257.6
56 52.3 41.9 62.9



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





#27

Carbon Disulfide

Concen: 9.213 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

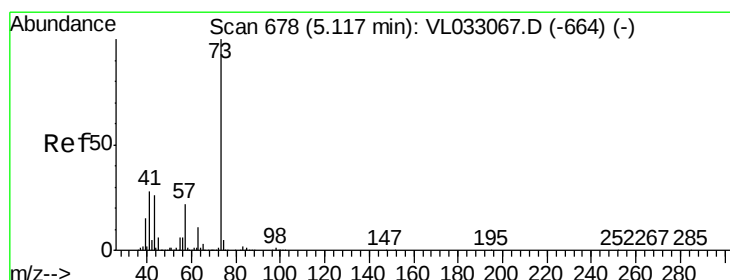
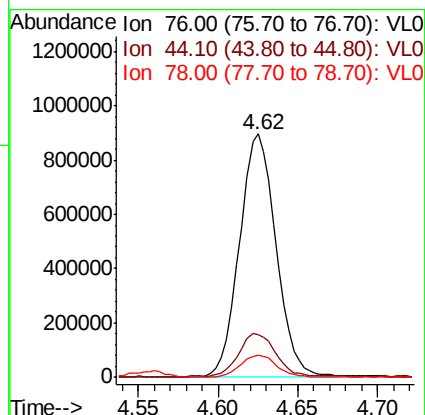
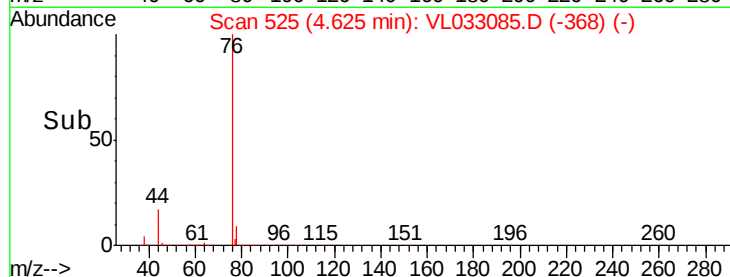
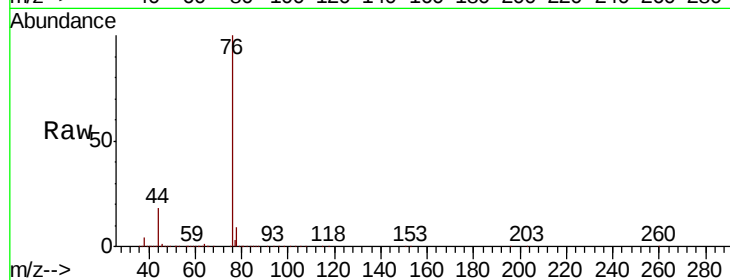
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1396562

Ion	Ratio	Lower	Upper
76	100		
44	18.4	13.9	20.9
78	9.2	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 7.910 ppbv

RT: 5.12 min Scan# 679

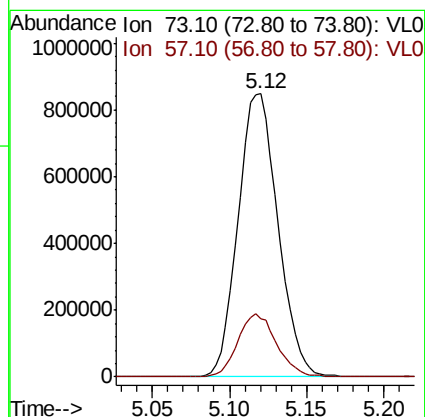
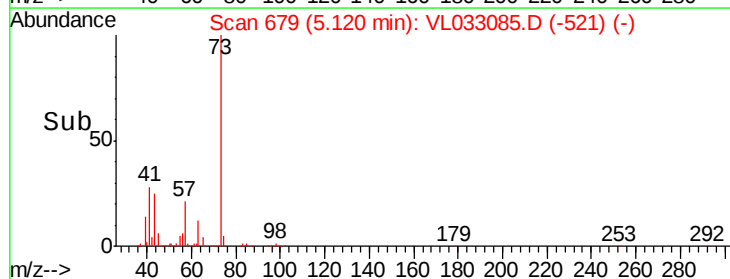
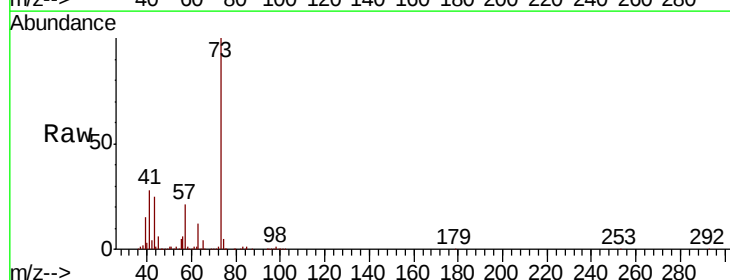
Delta R.T. 0.01 min

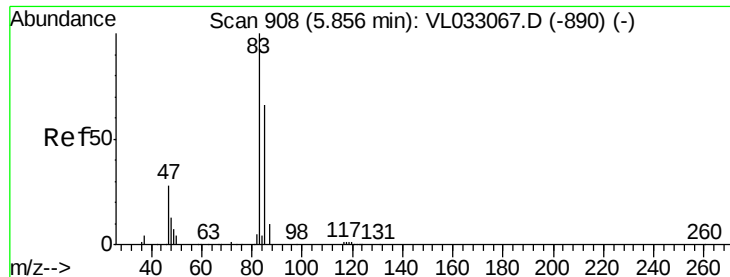
Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Tgt Ion: 73 Resp: 1517724

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.5	26.3





#29

Chloroform

Concen: 8.288 ppbv

RT: 5.85 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

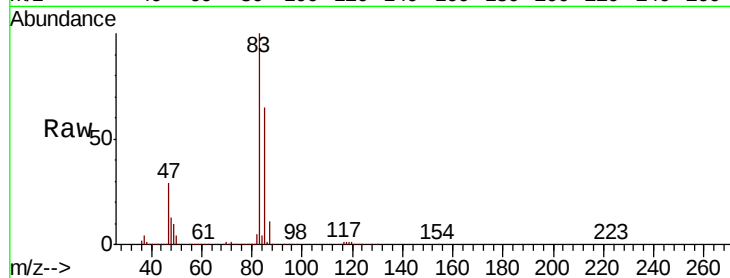
VSTDCCC010EC

Tgt Ion: 83 Resp: 1736039

Ion Ratio Lower Upper

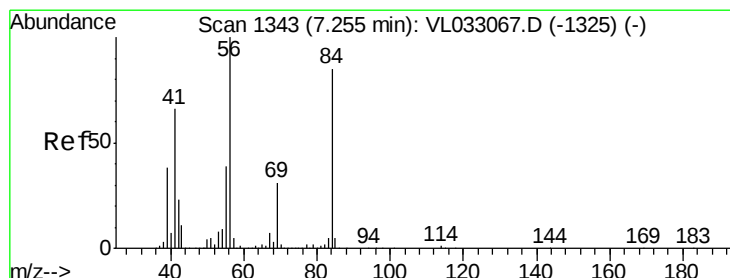
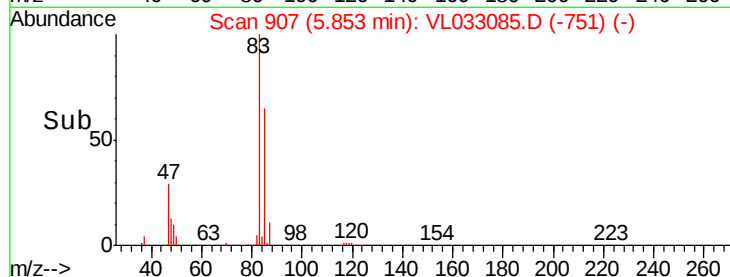
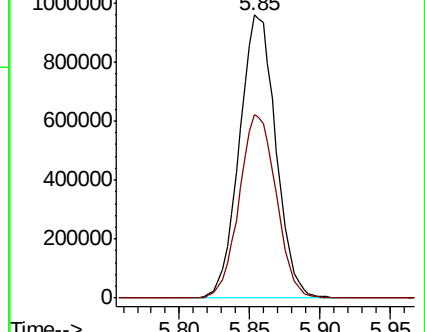
83 100

85 65.0 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.874 ppbv

RT: 7.25 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

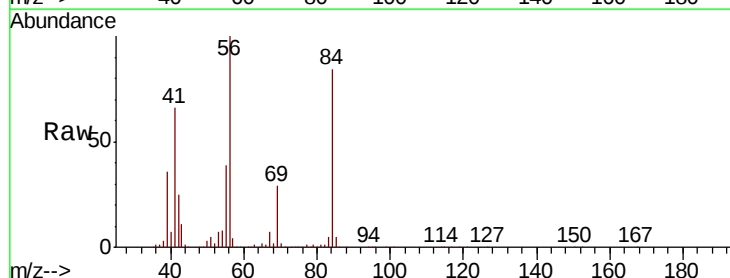
Tgt Ion: 84 Resp: 904956

Ion Ratio Lower Upper

84 100

56 126.8 101.8 152.6

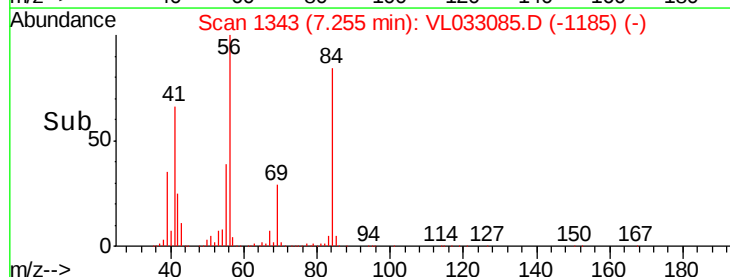
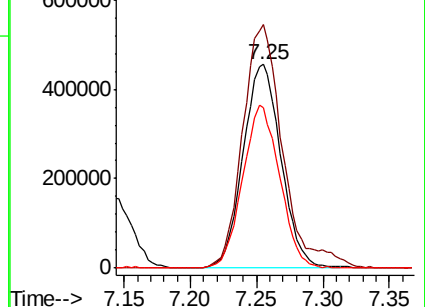
41 78.4 63.2 94.8

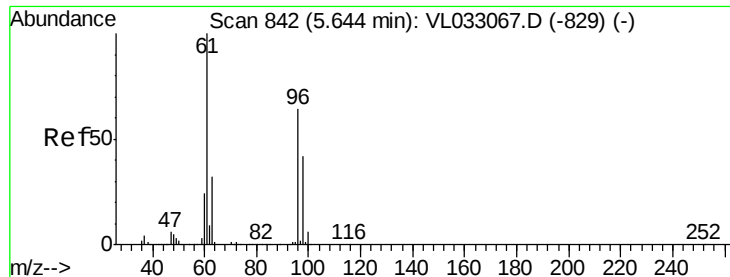


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 9.398 ppbv

RT: 5.65 min Scan# 843

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

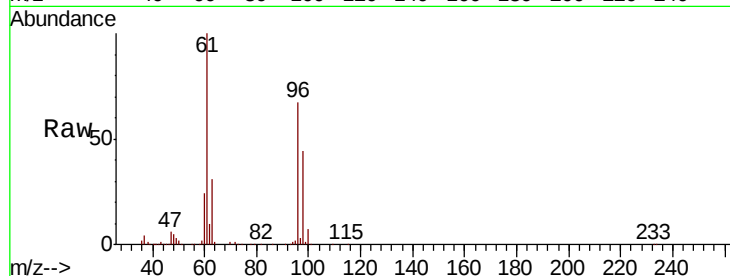
Tgt Ion: 61 Resp: 1072716

Ion Ratio Lower Upper

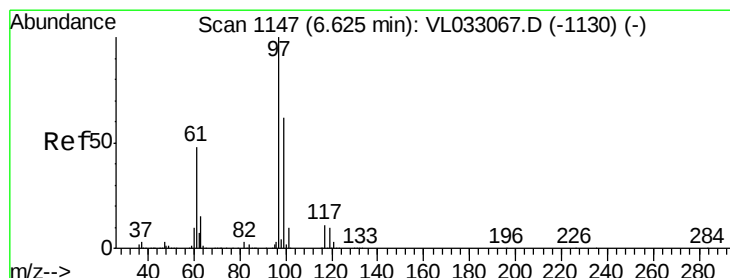
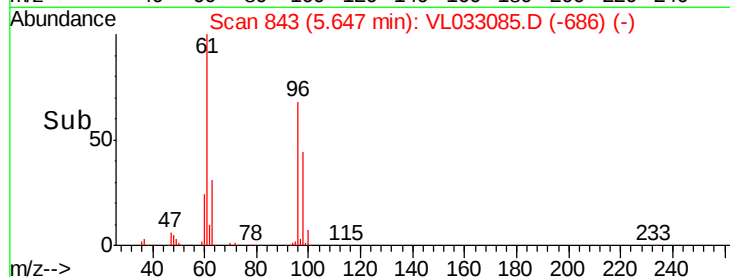
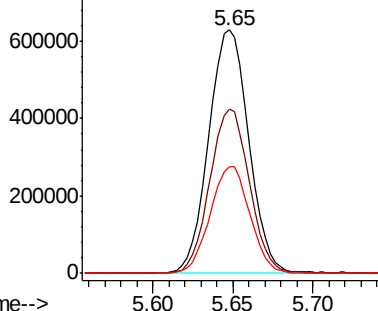
61 100

96 67.4 52.8 79.2

98 43.9 33.8 50.6



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



#32

1,1,1-Trichloroethane

Concen: 8.725 ppbv

RT: 6.63 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

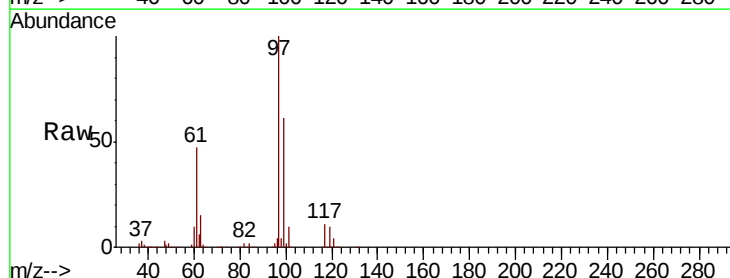
Tgt Ion: 97 Resp: 1854866

Ion Ratio Lower Upper

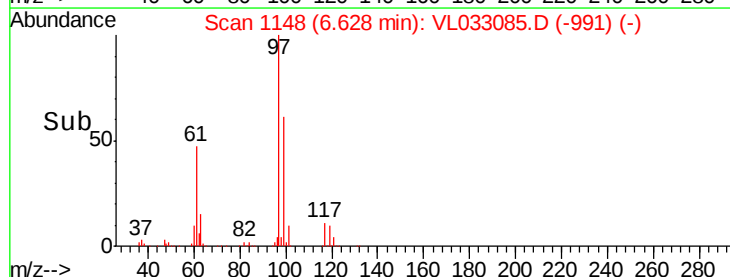
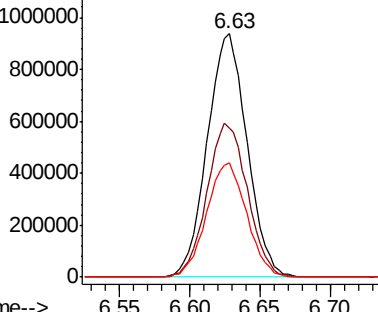
97 100

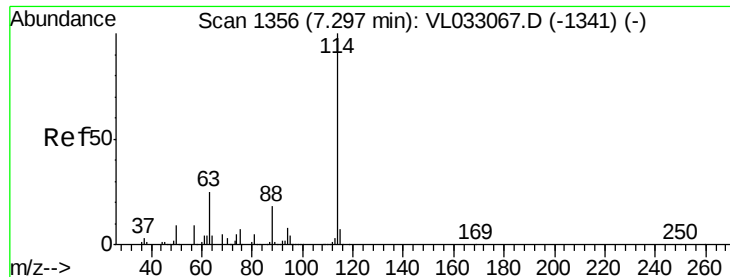
99 64.1 51.1 76.7

61 47.5 38.3 57.5



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

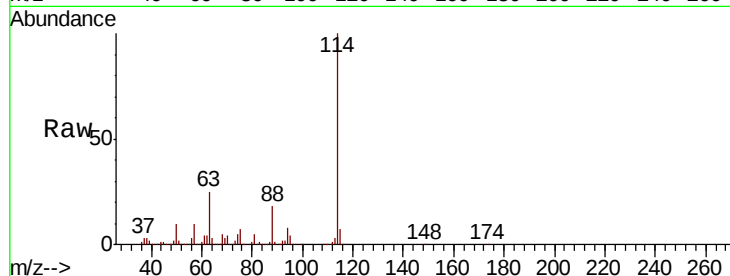




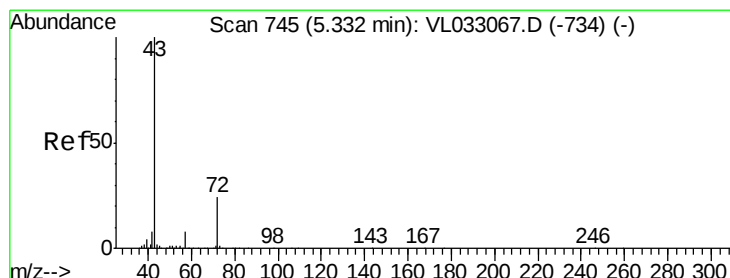
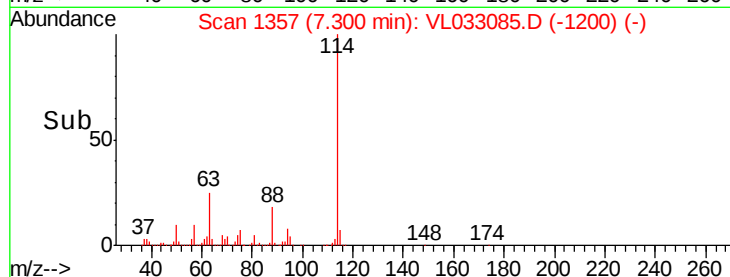
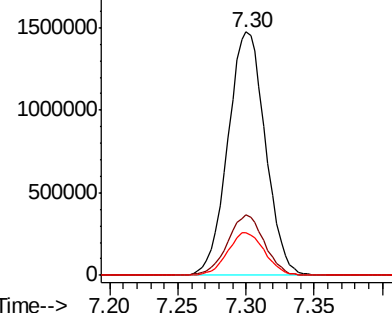
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 2807129
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.1 30.1
 88 17.4 14.0 21.0

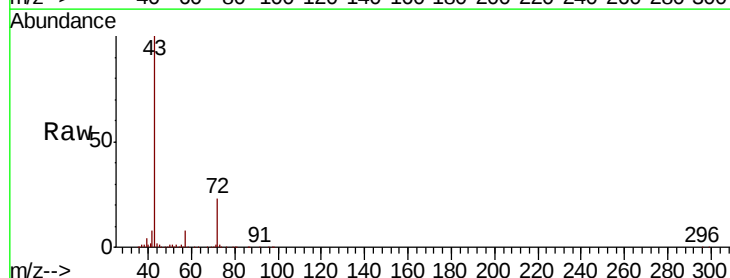


Abundance Ion 114.10 (113.80 to 114.80): V
 2000000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

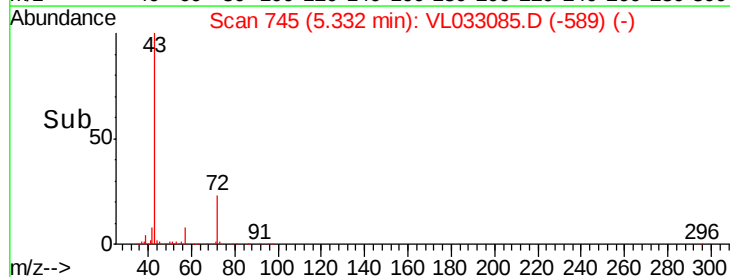
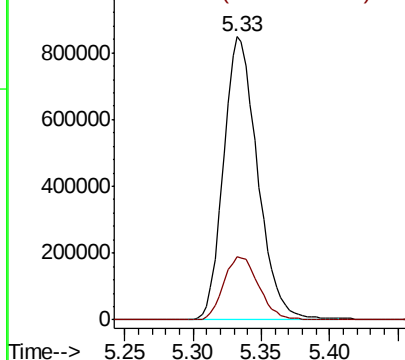


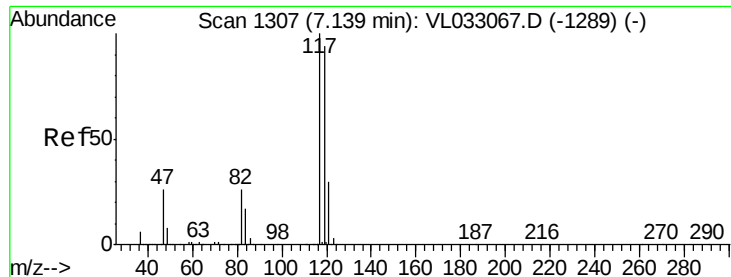
#34
 2-Butanone
 Concen: 8.968 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 43 Resp: 1462740
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1000000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.099 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

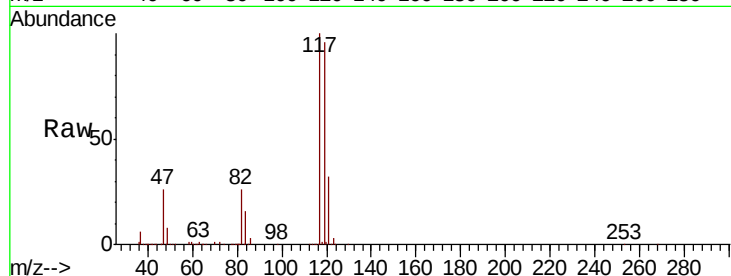
Tgt Ion:117 Resp: 1952814

Ion Ratio Lower Upper

117 100

119 96.4 76.5 114.7

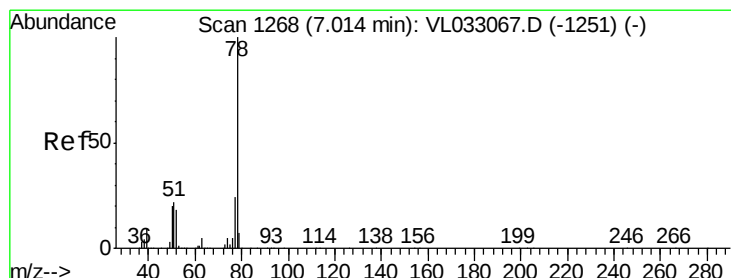
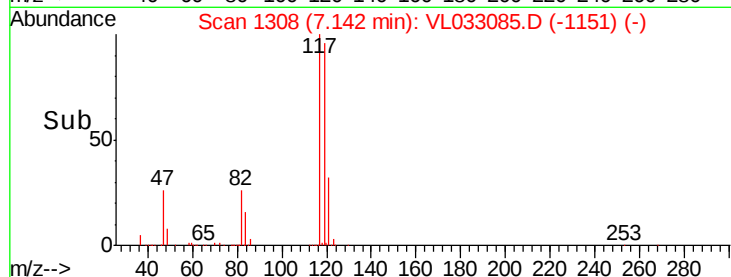
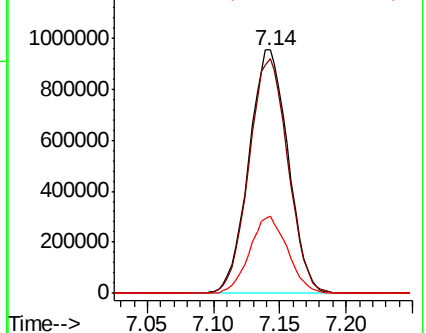
121 31.6 25.2 37.8



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: 9.037 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

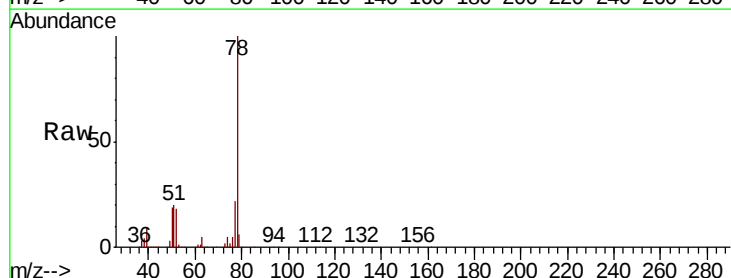
Tgt Ion: 78 Resp: 2077922

Ion Ratio Lower Upper

78 100

77 22.4 18.5 27.7

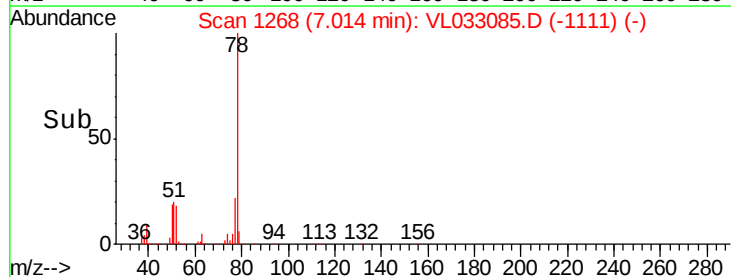
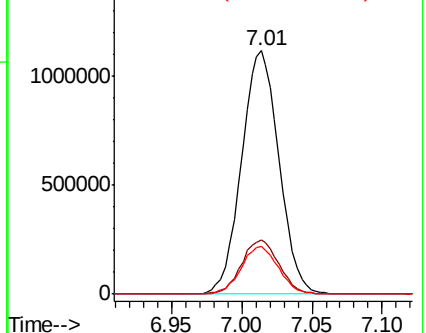
50 19.5 15.7 23.5

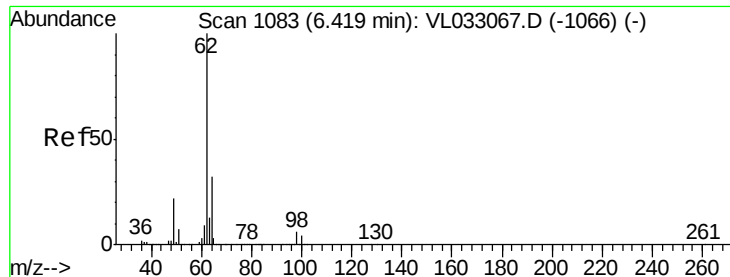


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.354 ppbv

RT: 6.42 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

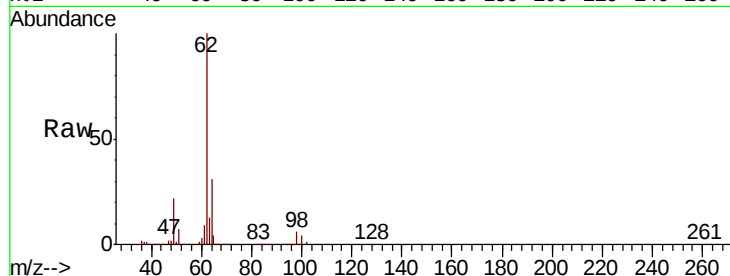
VSTDCCC010EC

Tgt Ion: 62 Resp: 1341249

Ion Ratio Lower Upper

62 100

98 5.7 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

800000

600000

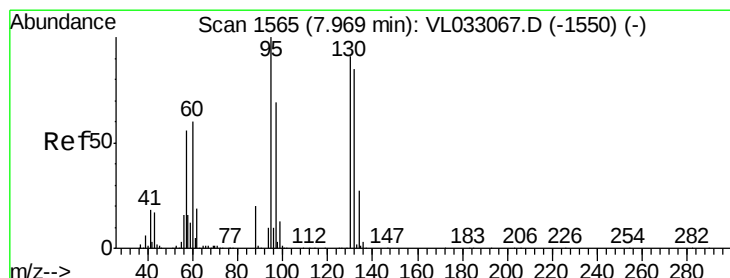
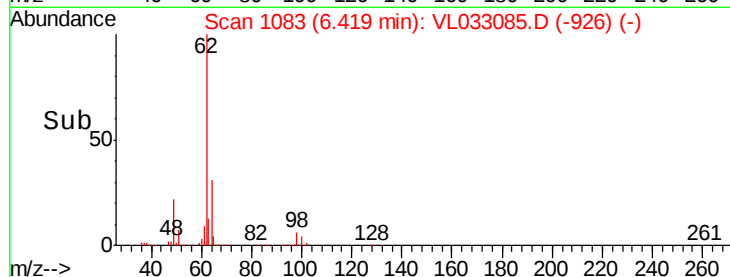
400000

200000

0

6.35 6.40 6.45 6.50

Time-->



#38

Trichloroethene

Concen: 9.079 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Tgt Ion: 130 Resp: 858835

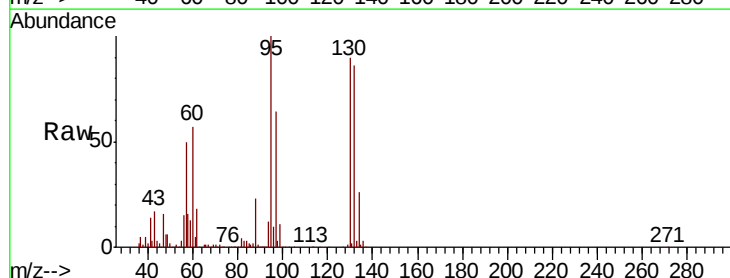
Ion Ratio Lower Upper

130 100

95 111.7 88.6 132.8

132 96.3 74.2 111.2

97 72.0 56.2 84.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

600000

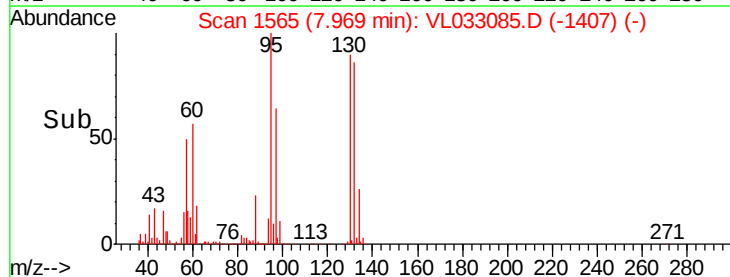
400000

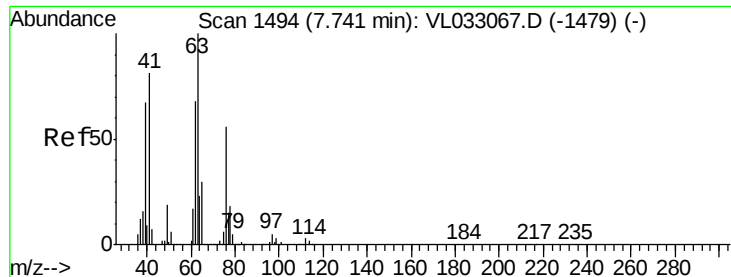
200000

0

7.90 7.95 8.00 8.05

Time-->

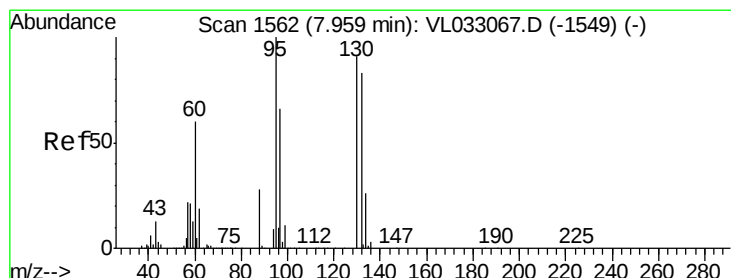
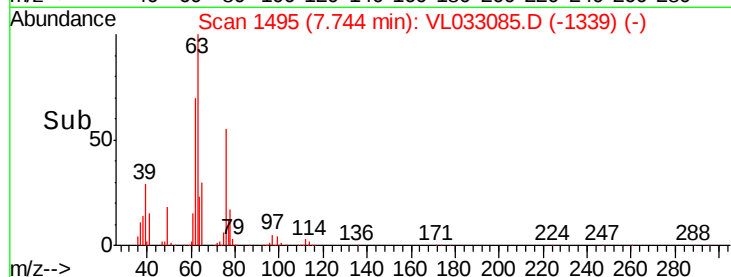
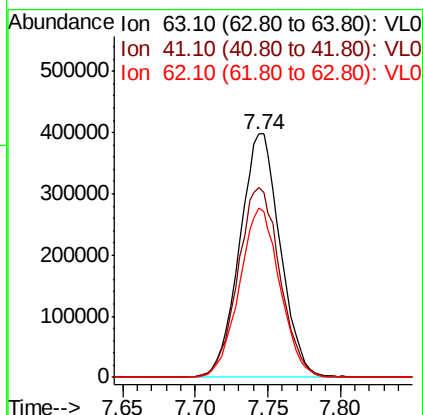
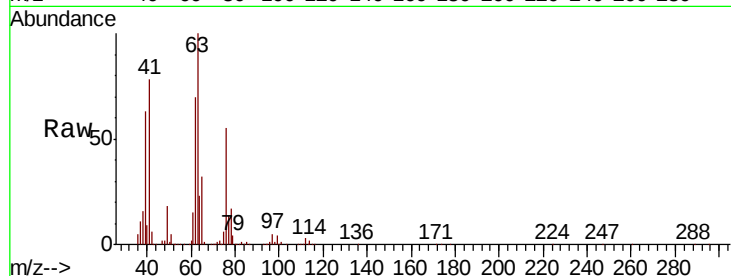




#39
 1,2-Dichloropropane
 Concen: 8.938 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

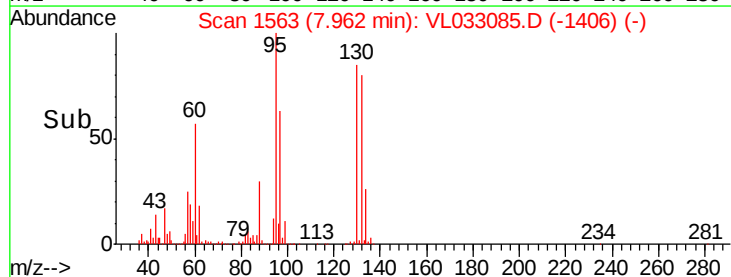
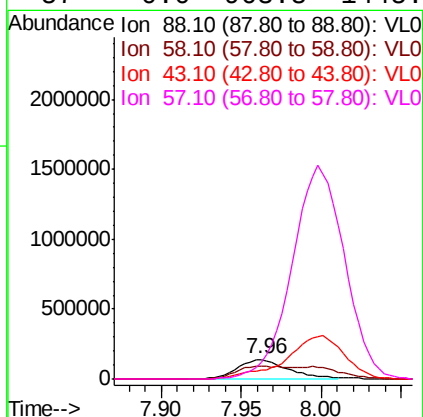
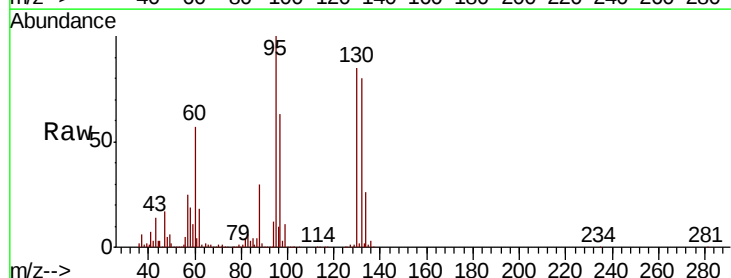
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

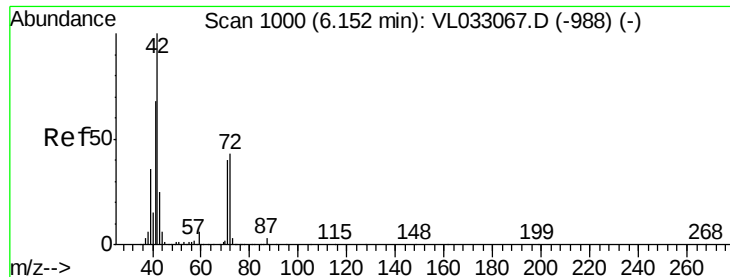
Tgt Ion: 63 Resp: 772103
 Ion Ratio Lower Upper
 63 100
 41 78.1 61.9 92.9
 62 69.6 55.8 83.6



#40
 1,4-Dioxane
 Concen: 8.939 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 88 Resp: 293107
 Ion Ratio Lower Upper
 88 100
 58 57.7 101.9 152.9#
 43 0.0 212.6 319.0#
 57 0.0 963.8 1445.6#

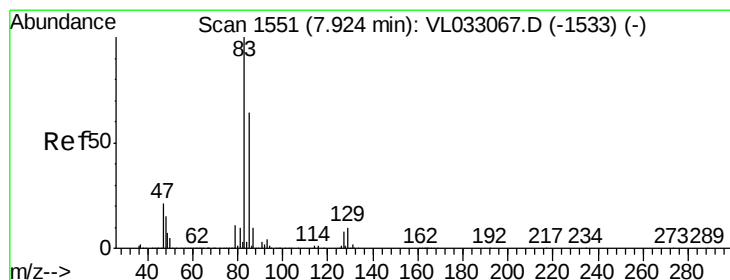
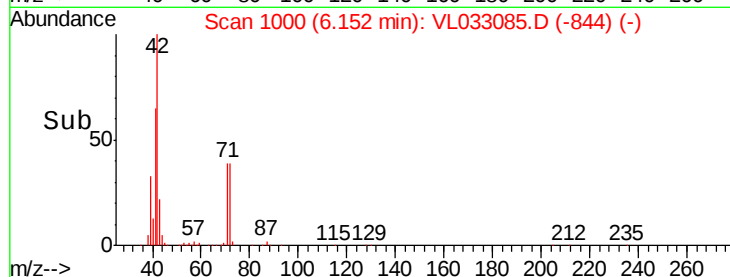
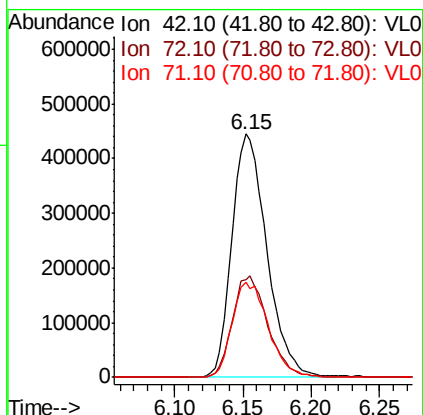
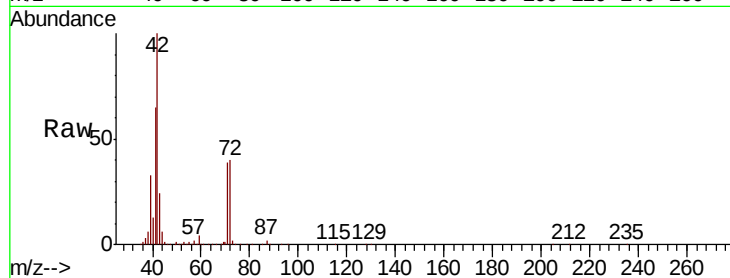




#41
Tetrahydrofuran
Concen: 9.554 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

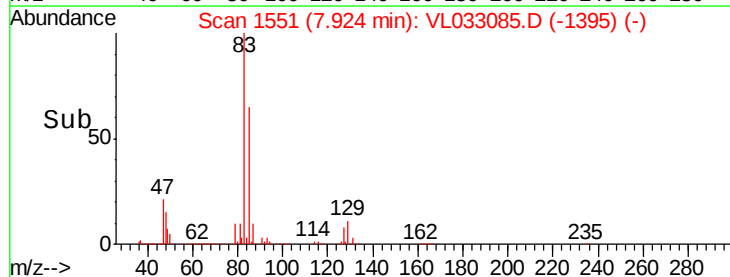
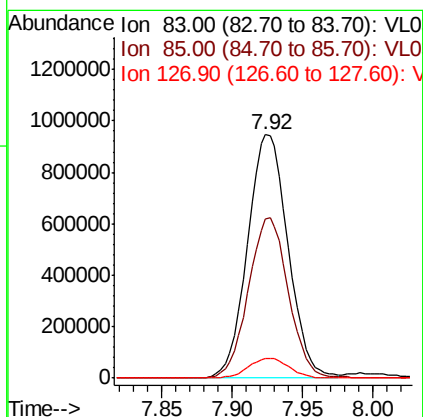
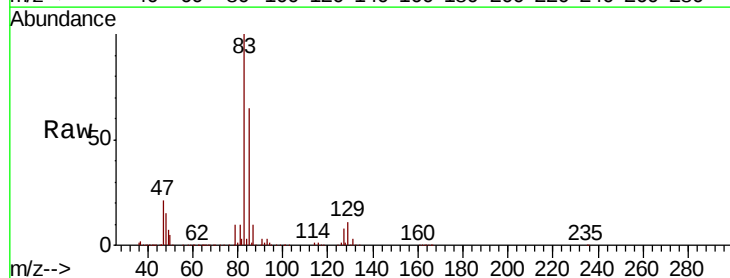
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

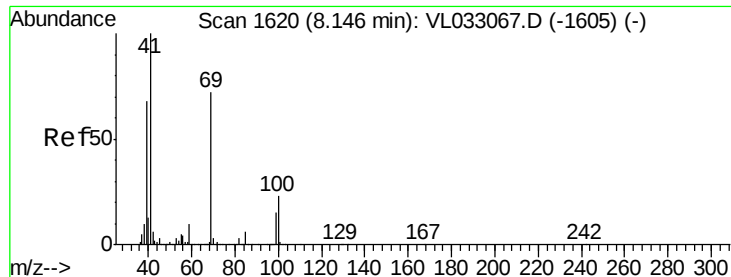
Tgt Ion: 42 Resp: 793101
Ion Ratio Lower Upper
42 100
72 42.2 32.9 49.3
71 40.6 31.8 47.6



#42
Bromodichloromethane
Concen: 8.606 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 83 Resp: 1898106
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.4
127 8.1 6.5 9.7

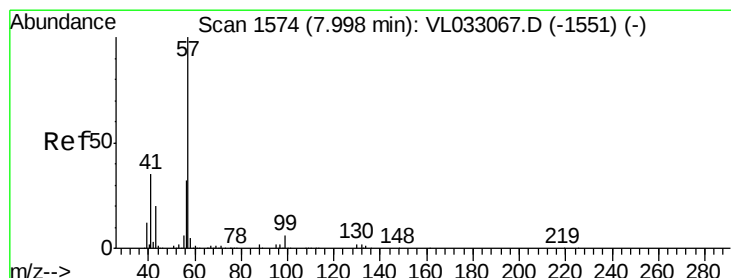
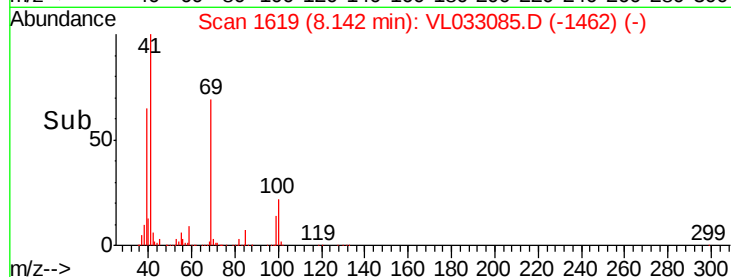
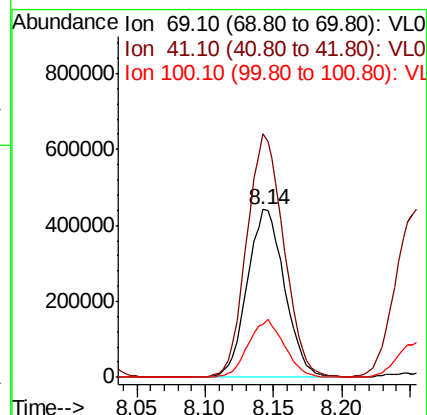
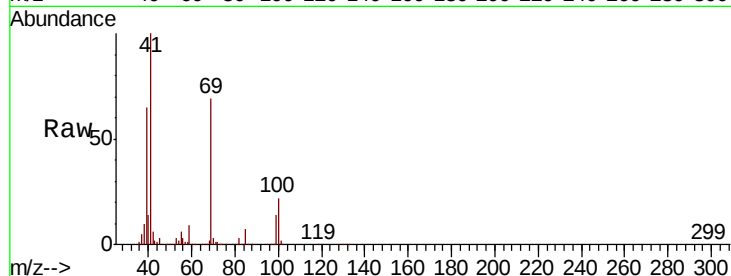




#43
Methyl Methacrylate
Concen: 9.710 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

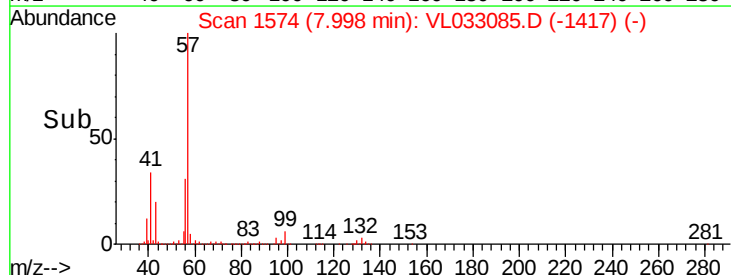
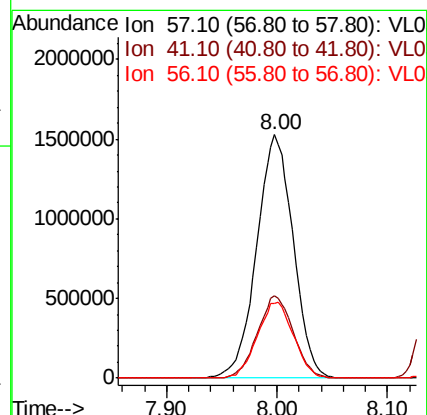
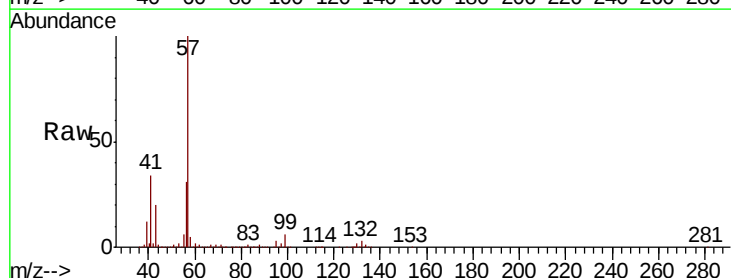
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

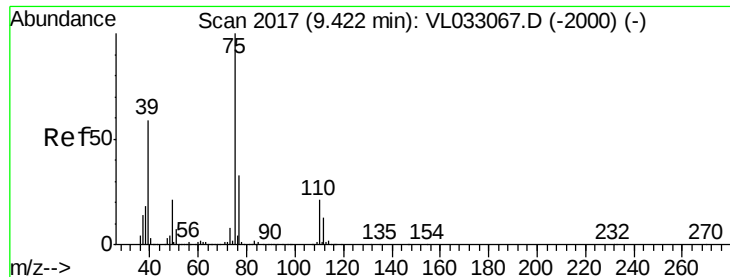
Tgt Ion: 69 Resp: 837811
Ion Ratio Lower Upper
69 100
41 144.3 114.0 171.0
100 33.3 26.3 39.5



#44
2,2,4-Trimethylpentane
Concen: 8.996 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 57 Resp: 3503054
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.2
56 30.9 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 9.544 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

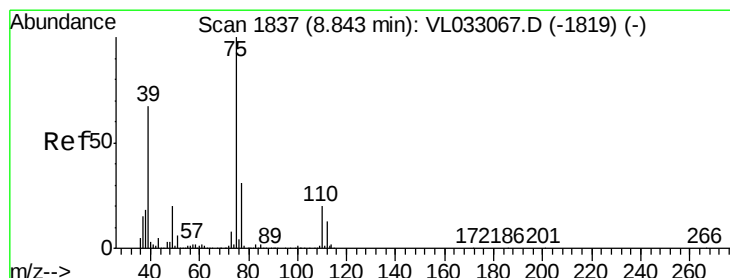
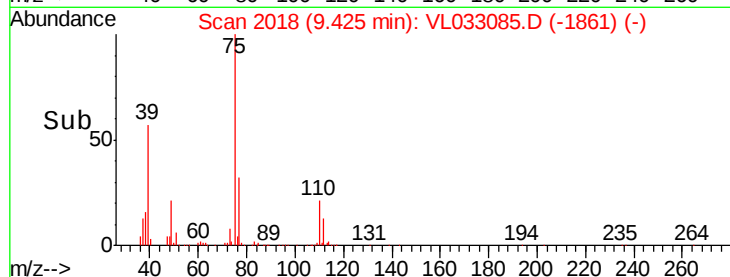
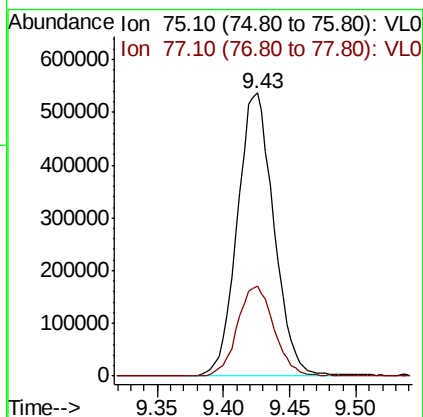
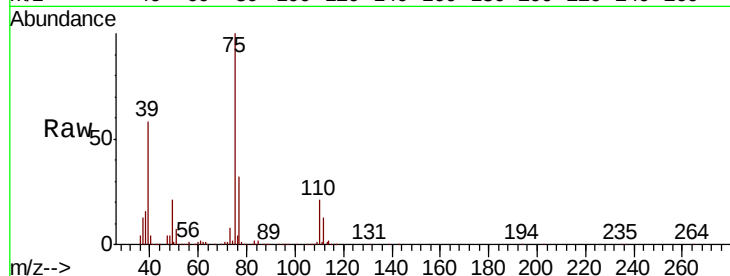
VSTDCCC010EC

Tgt Ion: 75 Resp: 1025074

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 10.178 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

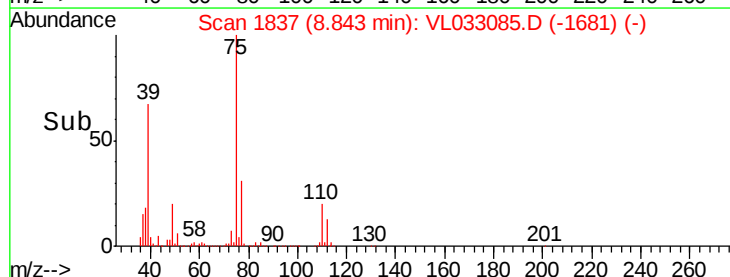
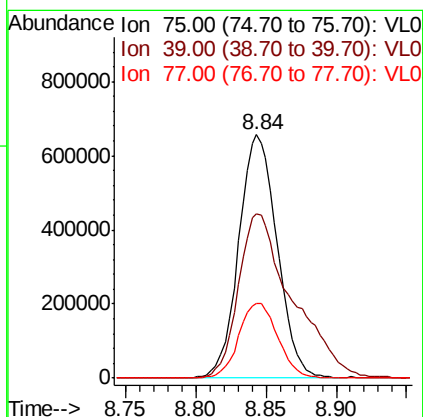
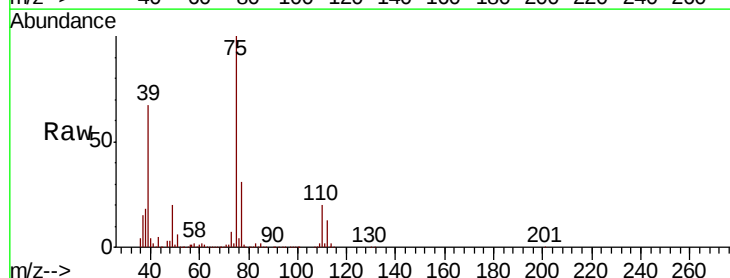
Tgt Ion: 75 Resp: 1247662

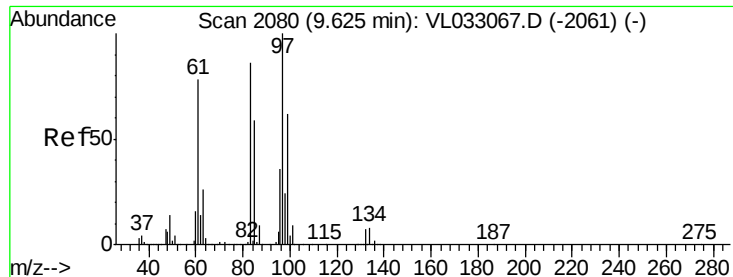
Ion Ratio Lower Upper

75 100

39 67.3 51.3 76.9

77 30.7 25.5 38.3

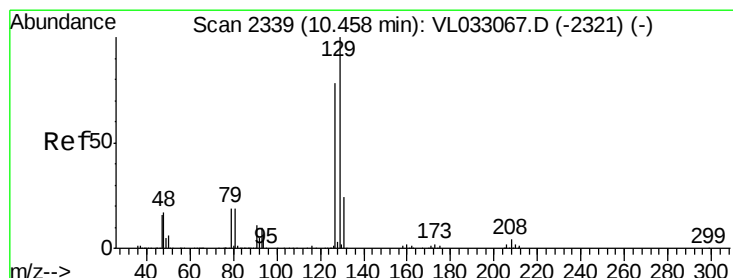
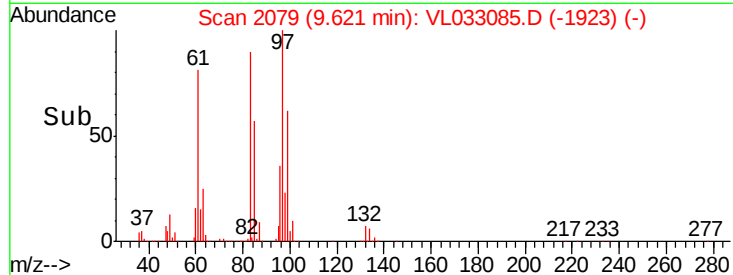
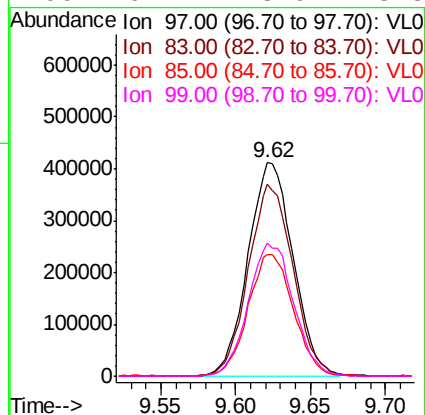
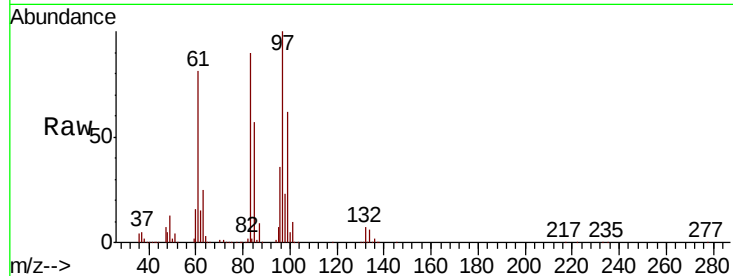




#47
 1,1,2-Trichloroethane
 Concen: 8.551 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

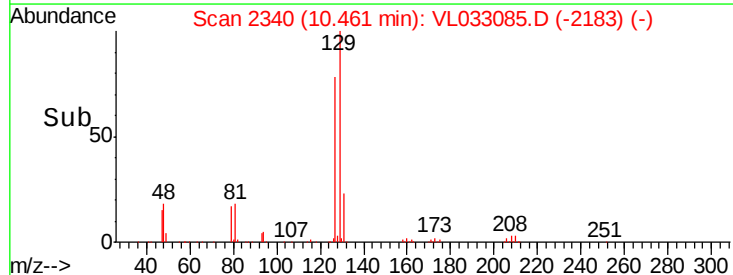
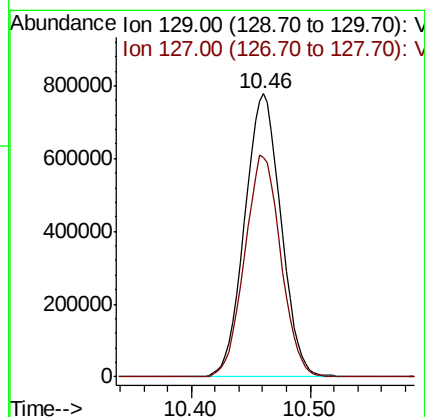
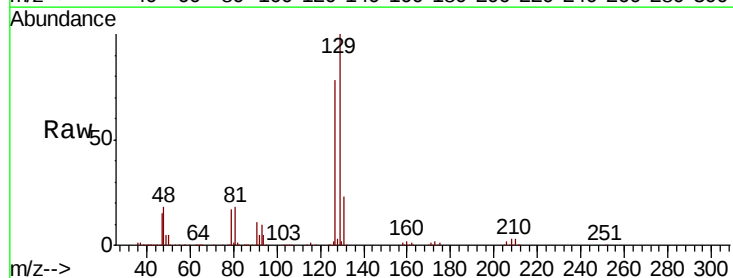
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

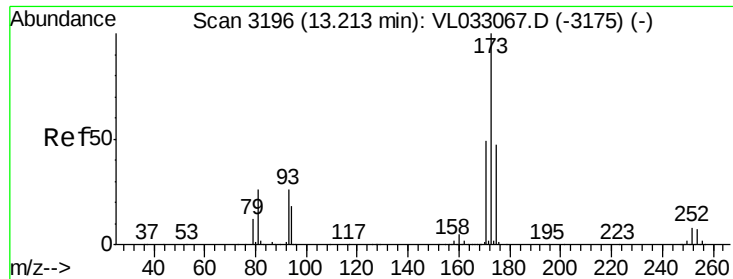
Tgt Ion: 97 Resp: 863006
 Ion Ratio Lower Upper
 97 100
 83 89.6 69.4 104.2
 85 56.6 44.2 66.2
 99 62.1 48.9 73.3



#48
 Dibromochloromethane
 Concen: 9.205 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 129 Resp: 1641358
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.1 117.3





#49

Bromoform

Concen: 8.965 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

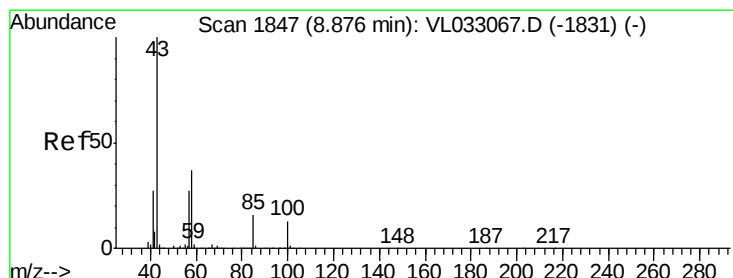
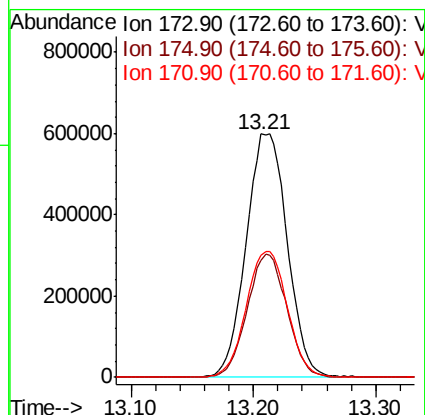
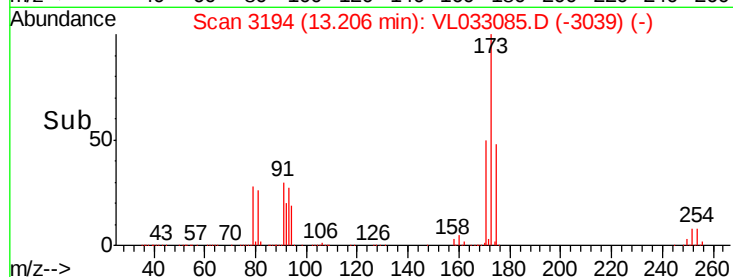
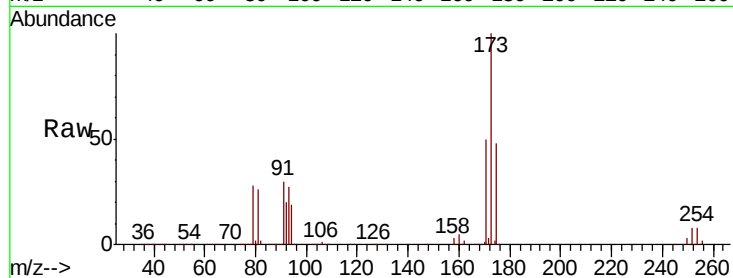
Tgt Ion:173 Resp: 1396682

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.2

171 51.6 42.1 63.1



#50

4-Methyl-2-Pentanone

Concen: 9.744 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL033085.D

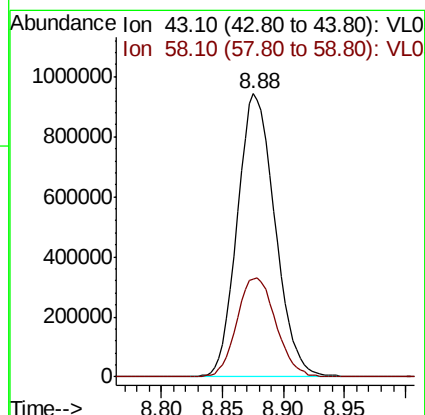
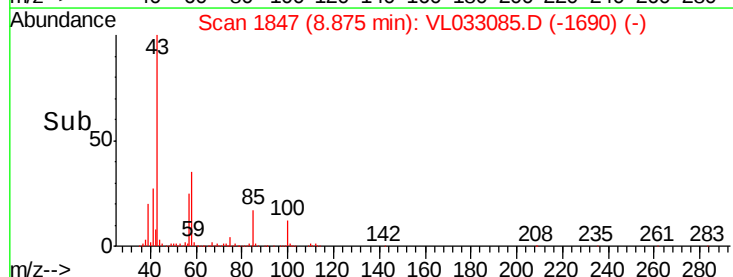
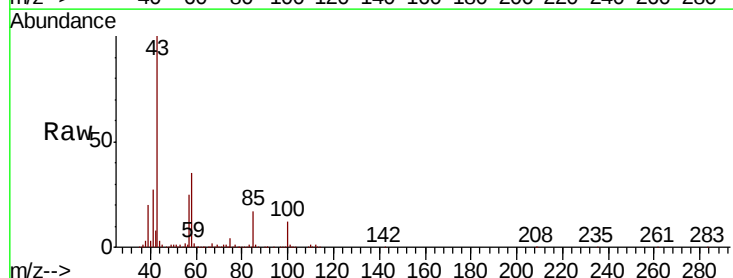
Acq: 5 Jan 2019 2:18

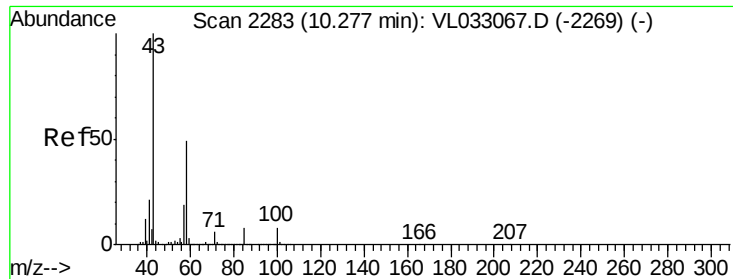
Tgt Ion: 43 Resp: 2013807

Ion Ratio Lower Upper

43 100

58 36.2 28.9 43.3

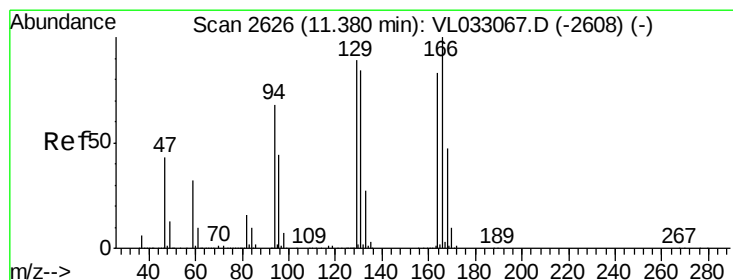
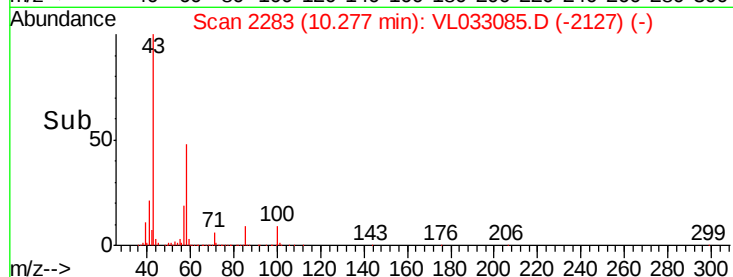
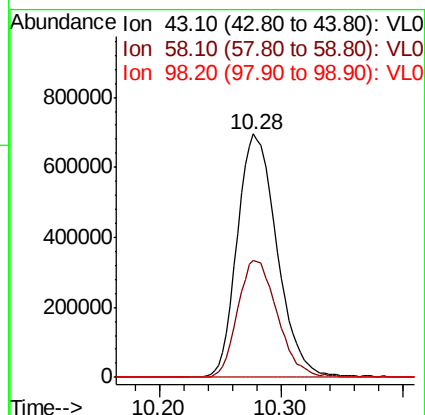
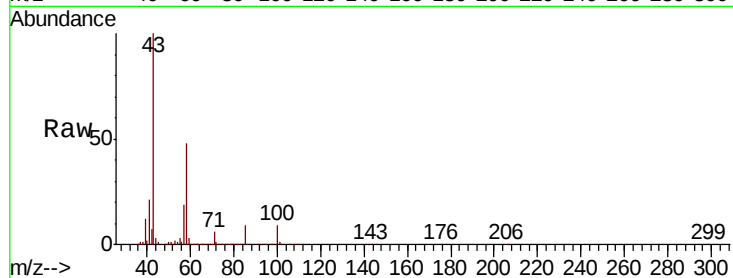




#51
2-Hexanone
Concen: 10.455 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

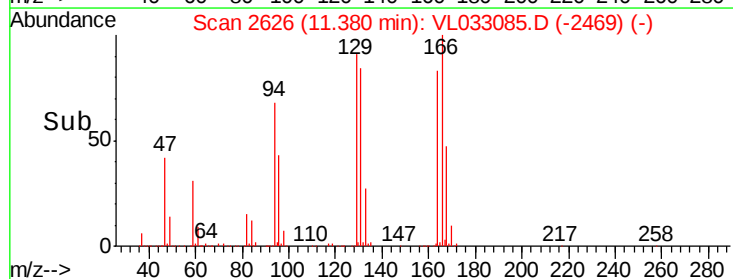
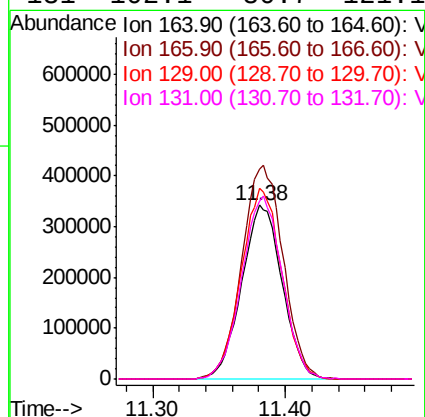
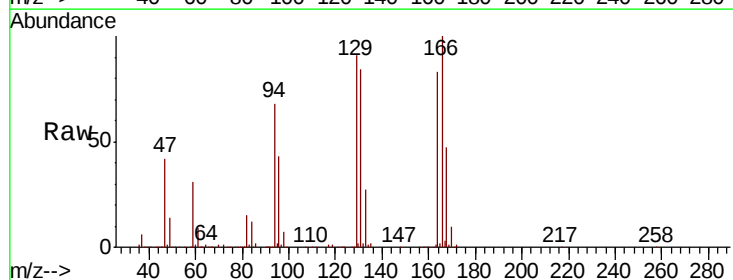
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

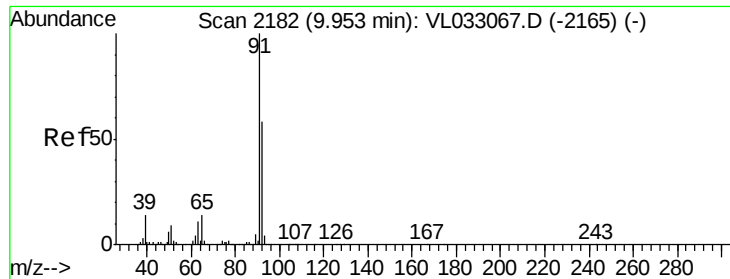
Tgt Ion: 43 Resp: 1563400
Ion Ratio Lower Upper
43 100
58 48.3 39.0 58.6
98 0.4 0.4 0.6



#52
Tetrachloroethene
Concen: 8.890 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 164 Resp: 722552
Ion Ratio Lower Upper
164 100
166 120.8 100.8 151.2
129 109.4 84.6 126.8
131 102.1 80.7 121.1





#53

Toluene

Concen: 9.601 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

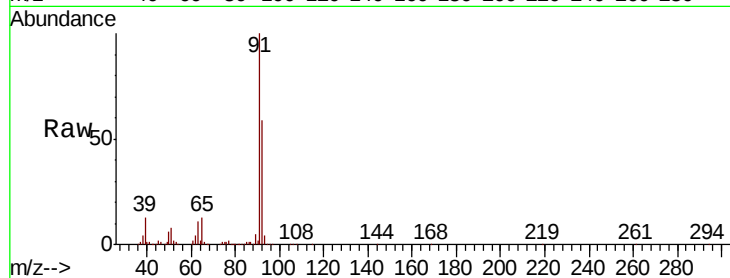
VSTDCCC010EC

Tgt Ion: 91 Resp: 2365940

Ion Ratio Lower Upper

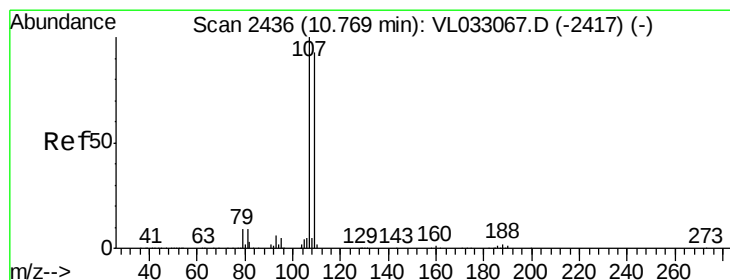
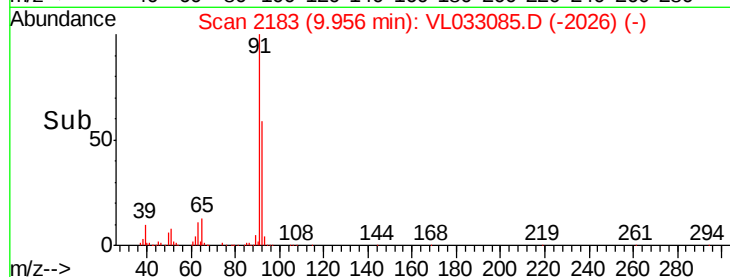
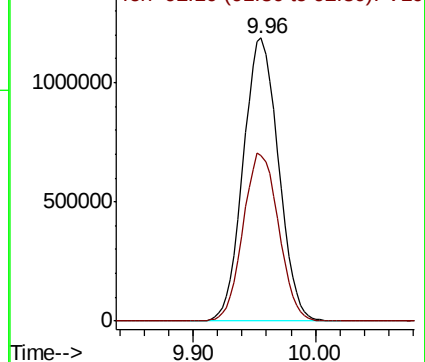
91 100

92 59.7 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.230 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL033085.D

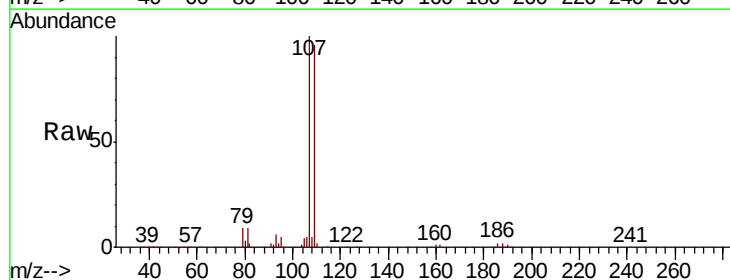
Acq: 5 Jan 2019 2:18

Tgt Ion: 107 Resp: 1342215

Ion Ratio Lower Upper

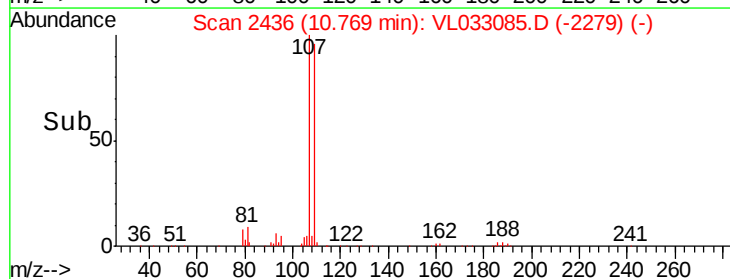
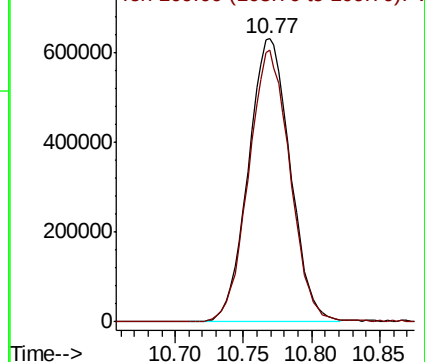
107 100

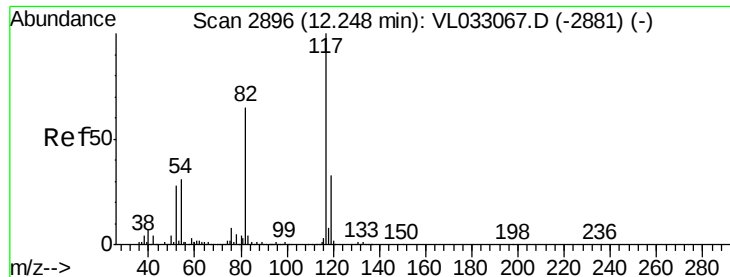
109 95.9 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

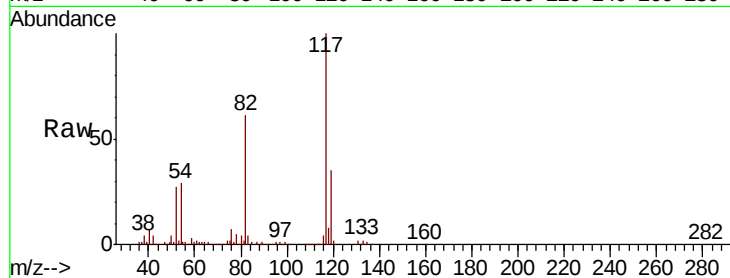
Tgt Ion:117 Resp: 3338167

Ion Ratio Lower Upper

117 100

82 51.7 48.9 73.3

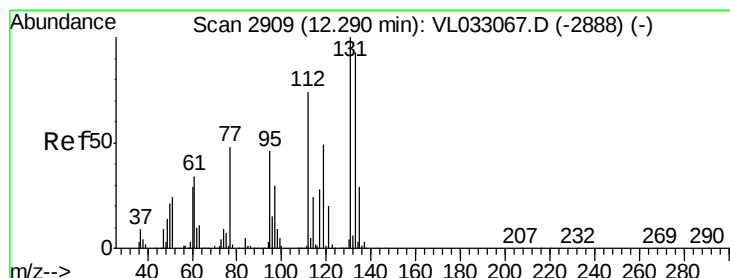
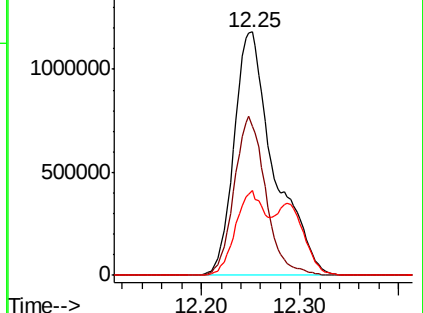
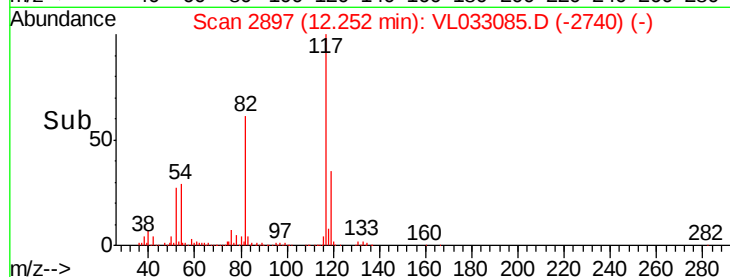
119 28.2 24.6 37.0



Abundance Ion 117.10 (116.80 to 117.80): V

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: 6.874 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

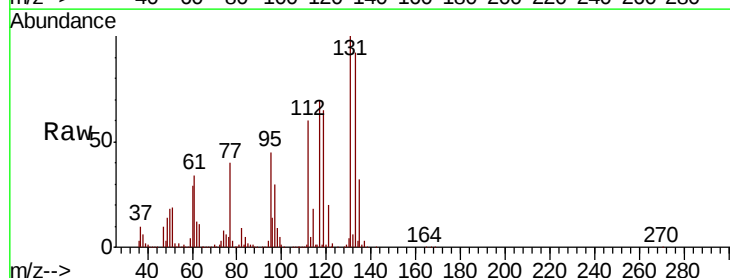
Tgt Ion:131 Resp: 1185595

Ion Ratio Lower Upper

131 100

133 93.8 76.0 114.0

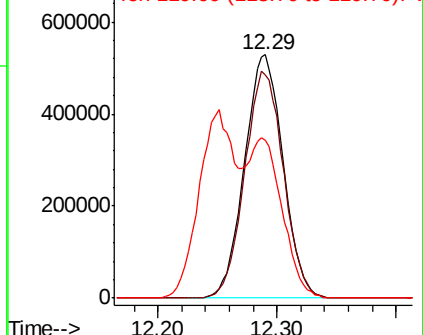
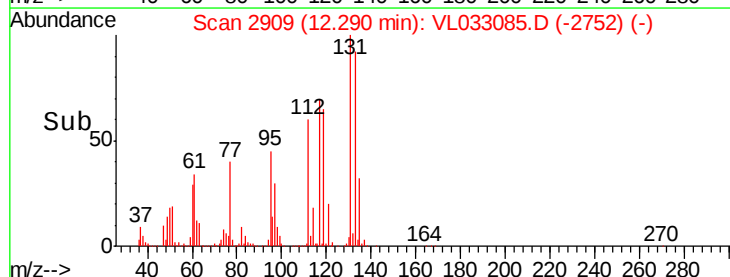
119 58.6 44.2 66.2

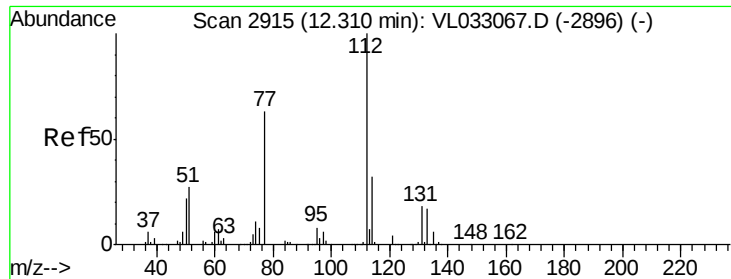


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

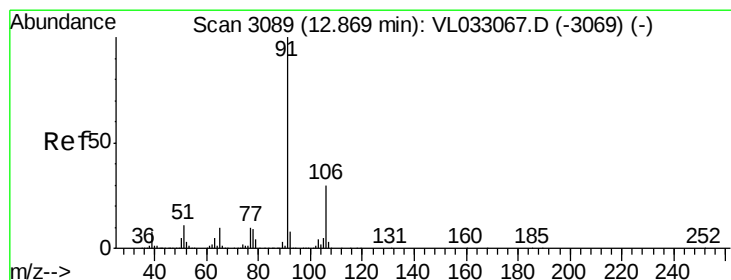
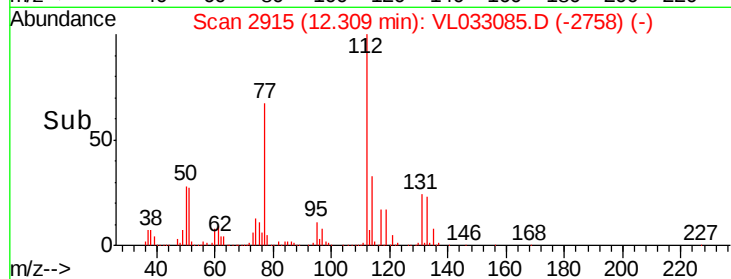
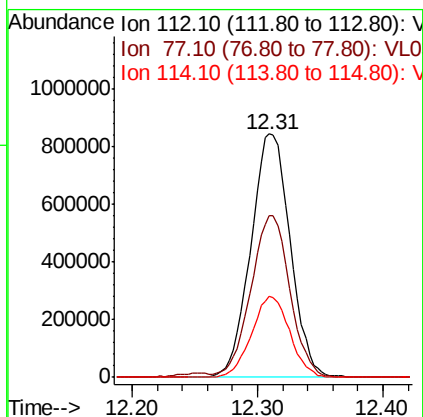
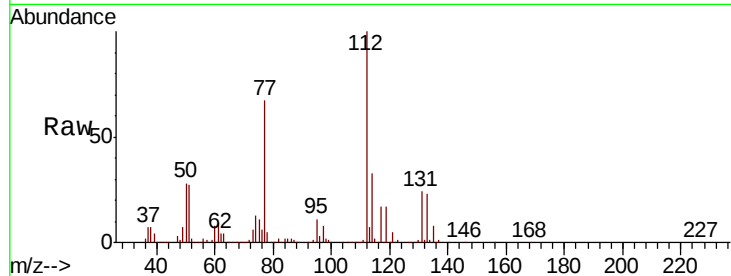




#57
Chlorobenzene
Concen: 6.611 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

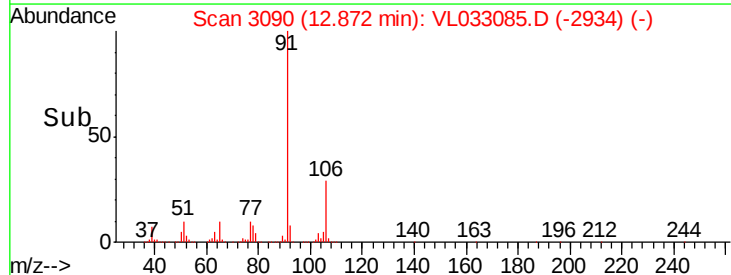
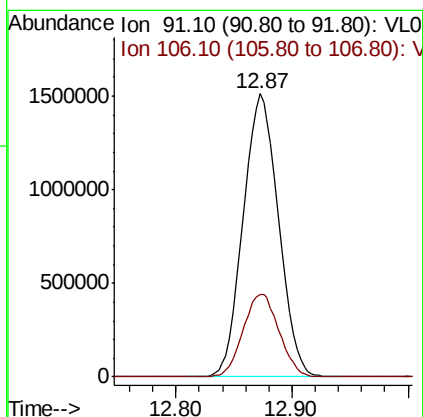
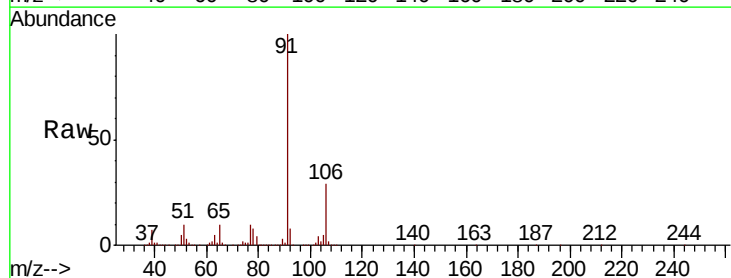
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

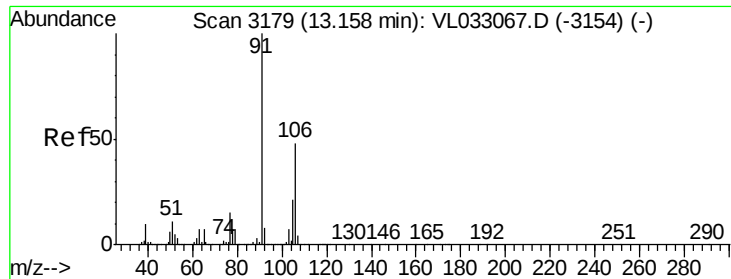
Tgt Ion: 112 Resp: 1842022
Ion Ratio Lower Upper
112 100
77 66.4 53.4 80.0
114 32.9 30.0 36.6



#58
Ethyl Benzene
Concen: 7.618 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 91 Resp: 3210803
Ion Ratio Lower Upper
91 100
106 29.0 24.3 36.5

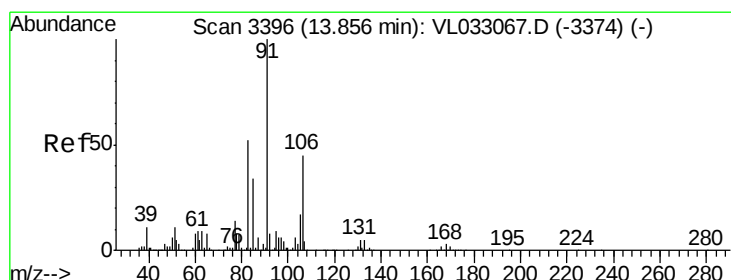
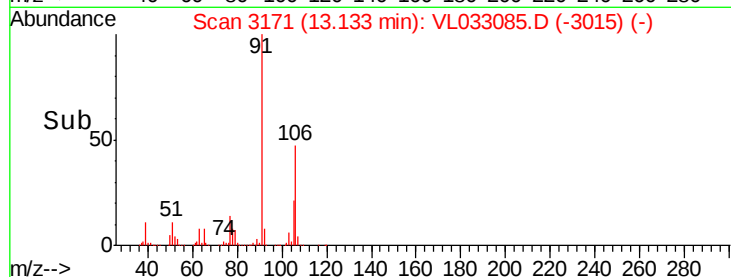
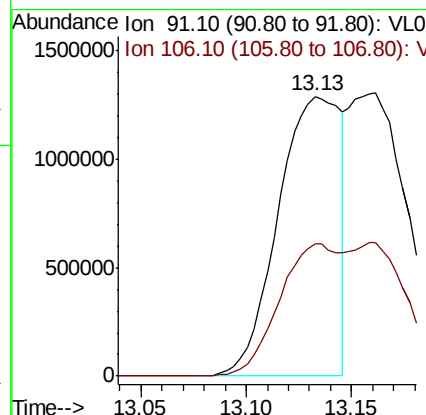
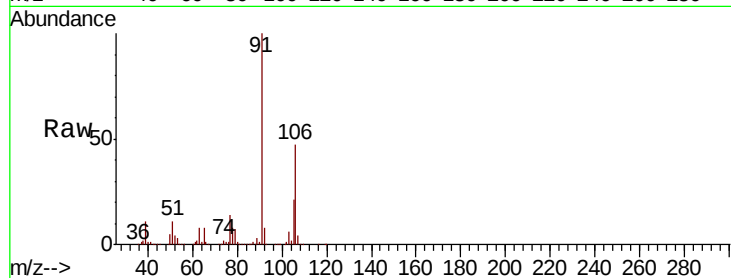




#59
m/p-Xylene
Concen: 6.778 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

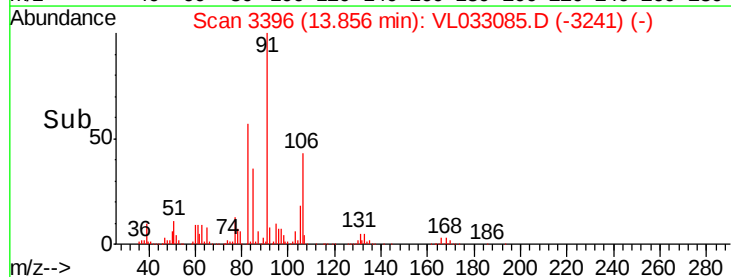
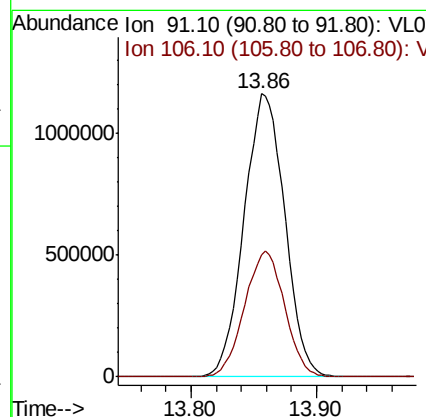
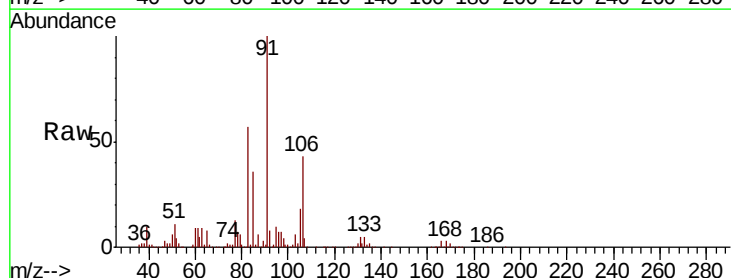
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

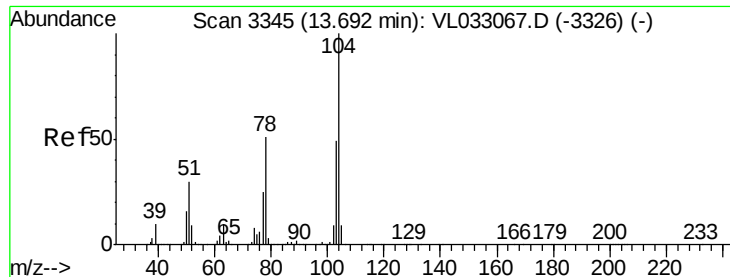
Tgt Ion: 91 Resp: 2642758
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 6.869 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 91 Resp: 2621769
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5





#61

Styrene

Concen: 7.305 ppbv

RT: 13.70 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

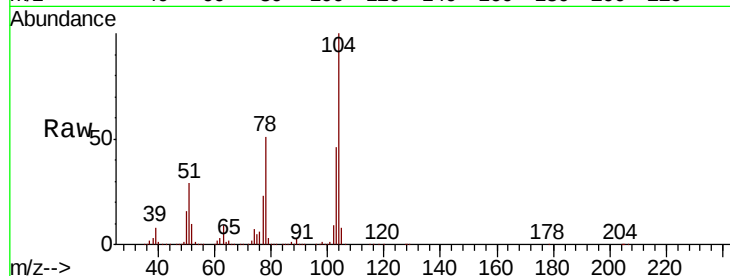
Tgt Ion:104 Resp: 1779251

Ion Ratio Lower Upper

104 100

78 52.8 41.6 62.4

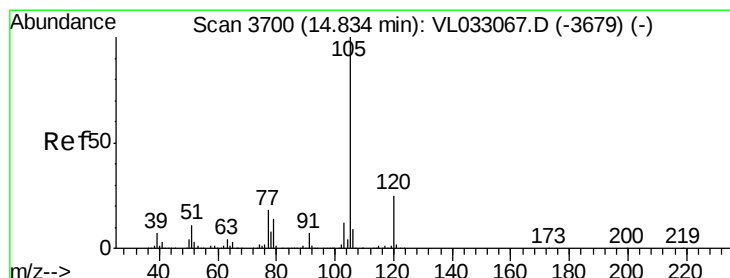
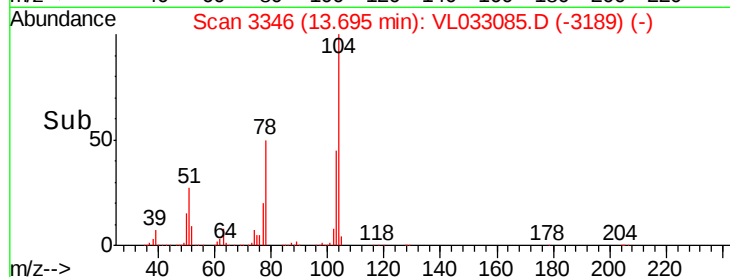
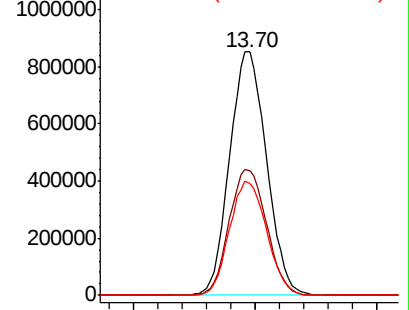
103 47.4 38.1 57.1



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: 7.038 ppbv

RT: 14.84 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VL033085.D

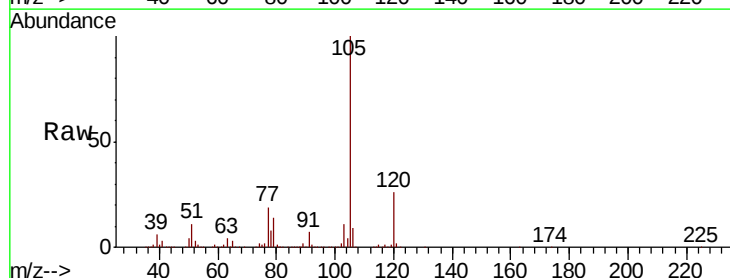
Acq: 5 Jan 2019 2:18

Tgt Ion:105 Resp: 3822866

Ion Ratio Lower Upper

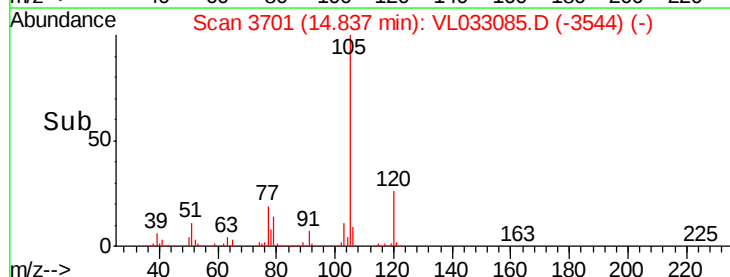
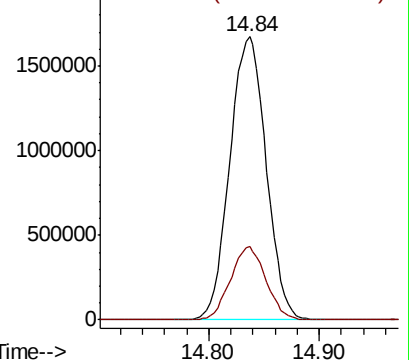
105 100

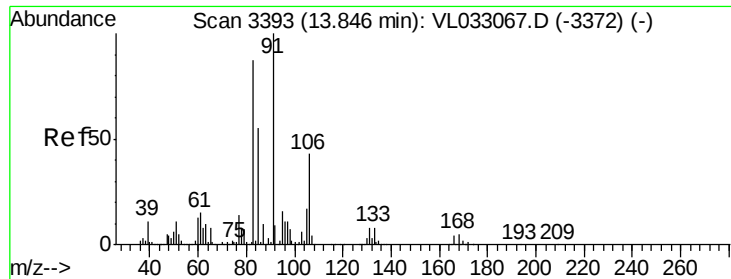
120 25.1 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

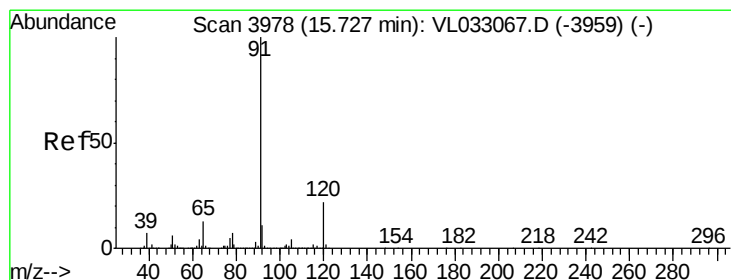
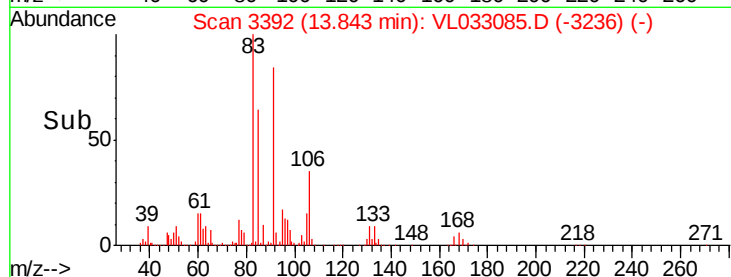
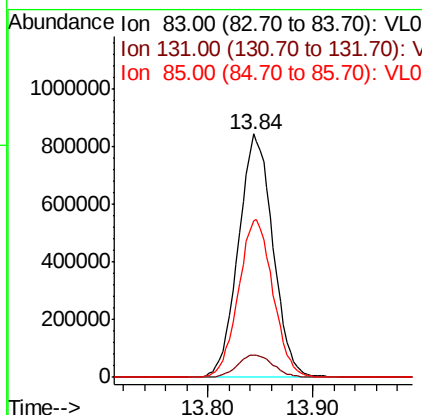
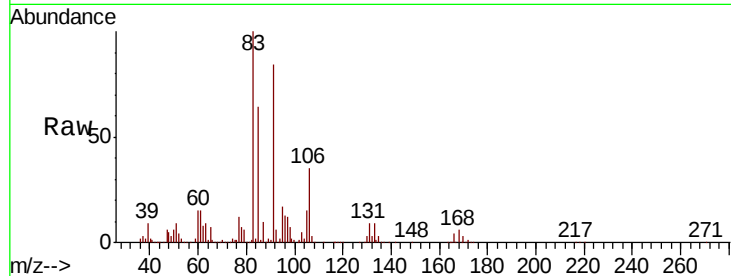




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.727 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

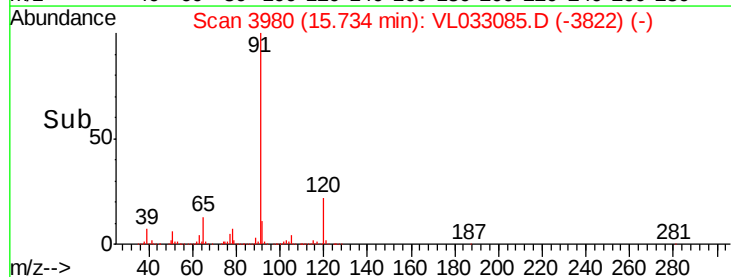
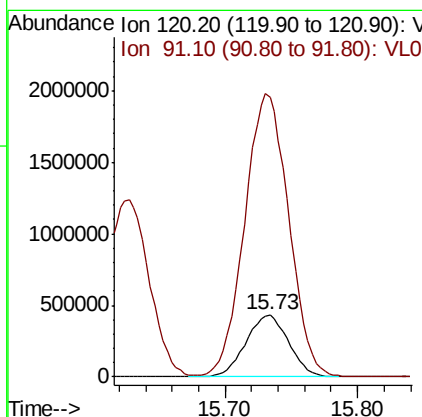
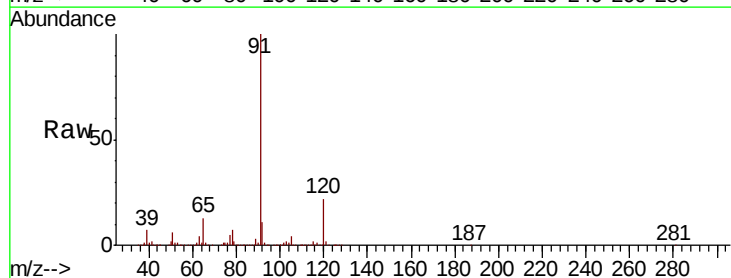
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

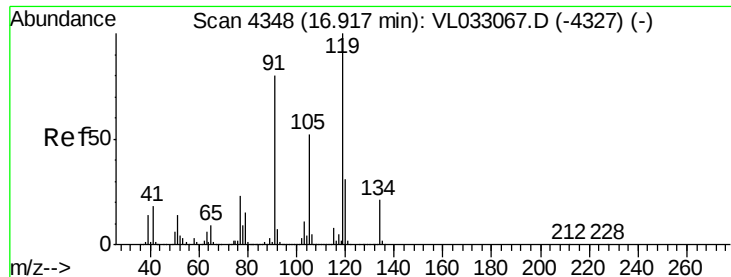
Tgt Ion: 83 Resp: 1907366
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 65.2 32.6 97.8



#64
 n-propylbenzene
 Concen: 7.022 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 120 Resp: 968976
 Ion Ratio Lower Upper
 120 100
 91 472.8 378.7 568.1

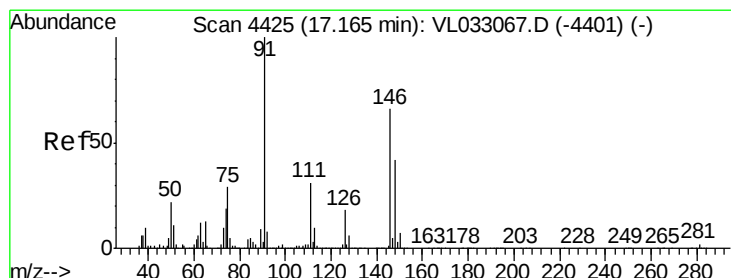
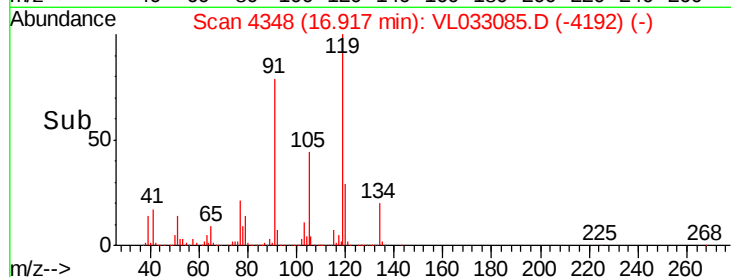
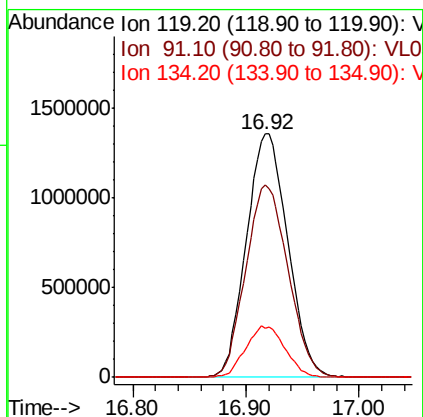
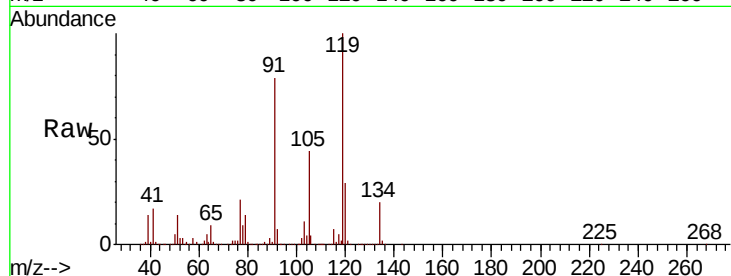




#65
tert-Butylbenzene
Concen: 7.157 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

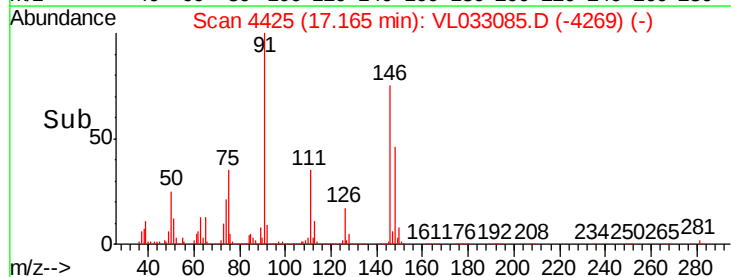
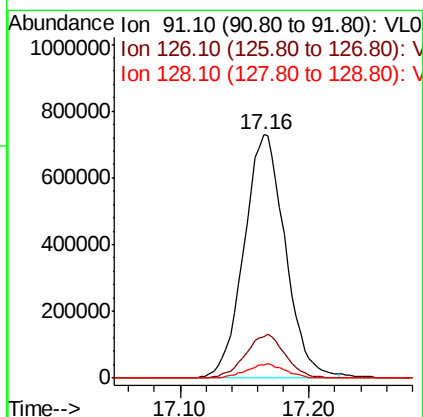
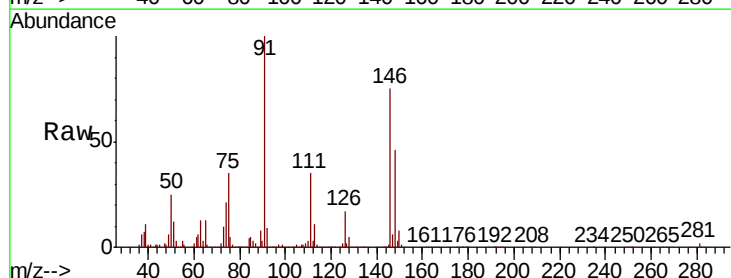
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

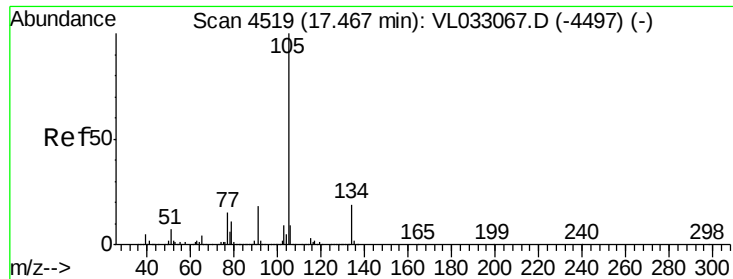
Tgt Ion: 119 Resp: 3443653
Ion Ratio Lower Upper
119 100
91 80.9 64.6 97.0
134 20.0 15.8 23.8



#66
Benzyl Chloride
Concen: 5.900 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 91 Resp: 1618079
Ion Ratio Lower Upper
91 100
126 17.7 14.4 21.6
128 5.6 4.5 6.7

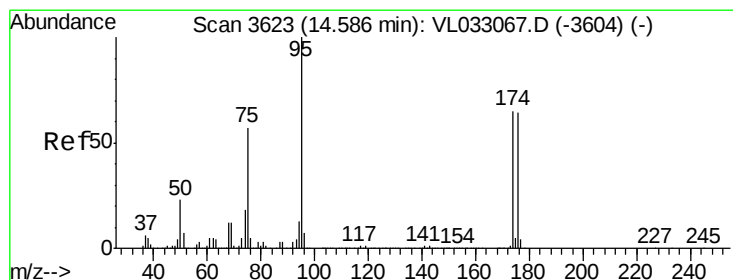
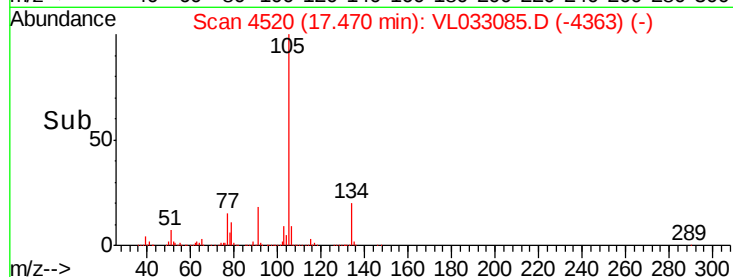
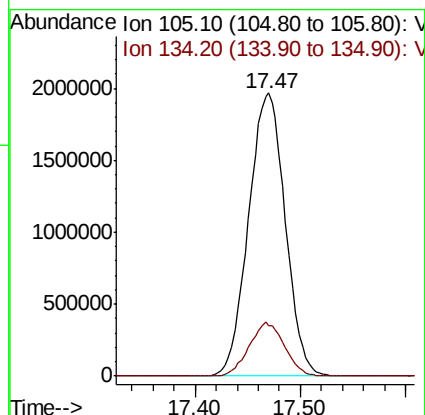
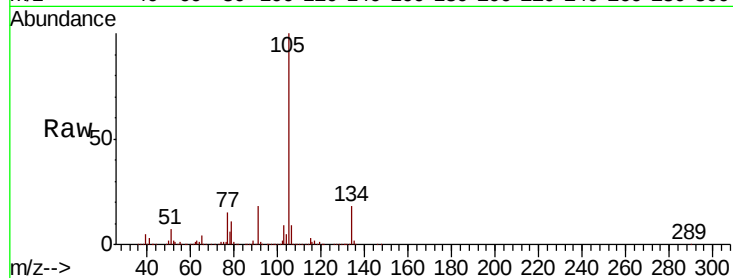




#67
 sec-Butylbenzene
 Concen: 6.900 ppbv
 RT: 17.47 min Scan# 4520
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

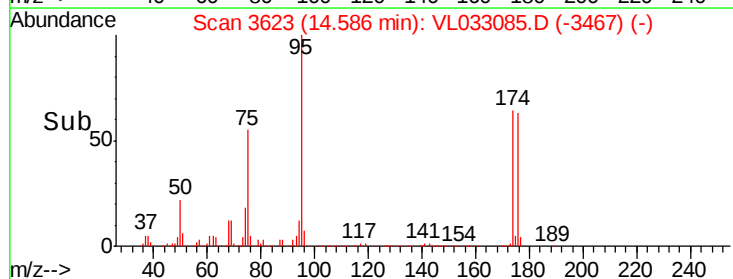
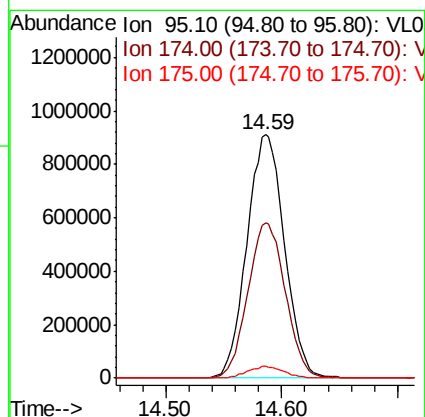
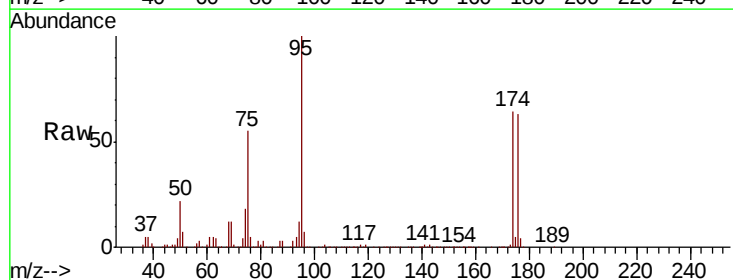
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

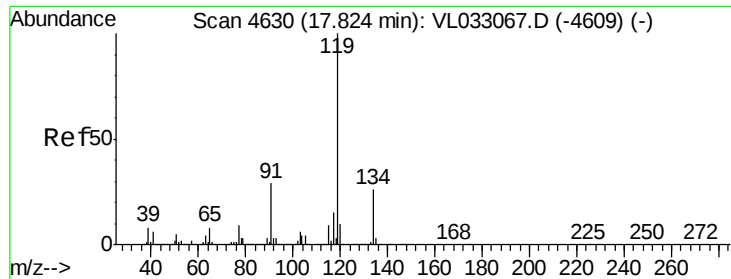
Tgt Ion: 105 Resp: 4751116
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.006 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 95 Resp: 2048744
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.9 77.9
 175 4.7 3.9 5.9

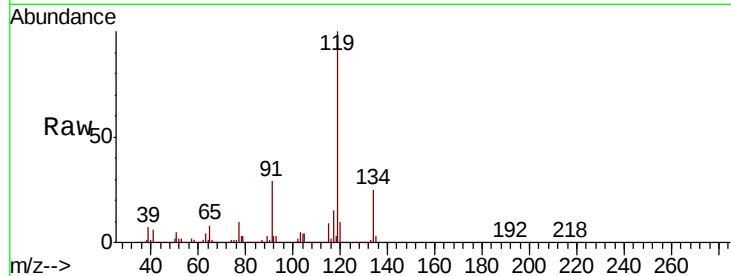




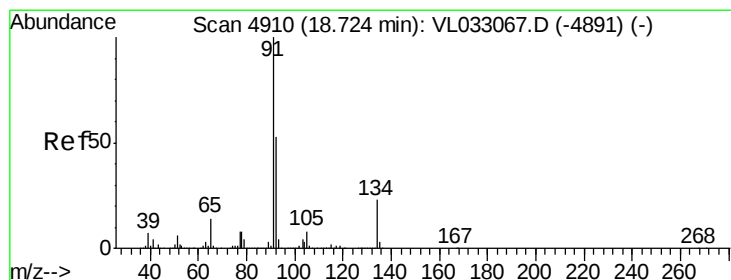
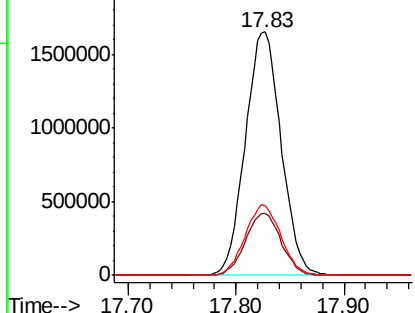
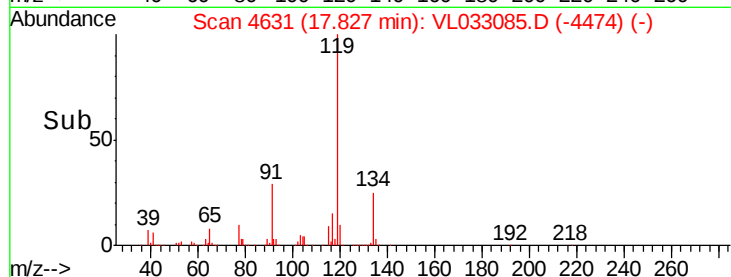
#69
 p-Isopropyltoluene
 Concen: 6.821 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3811813
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.1 30.1
 91 29.1 23.0 34.4

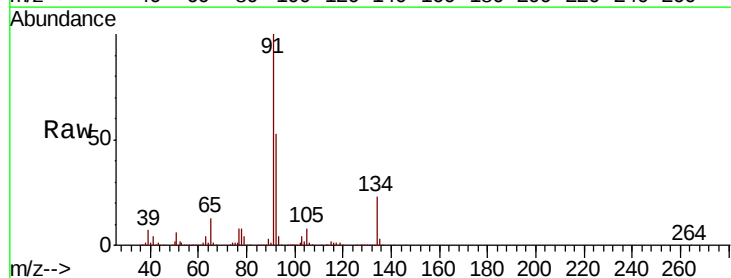


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

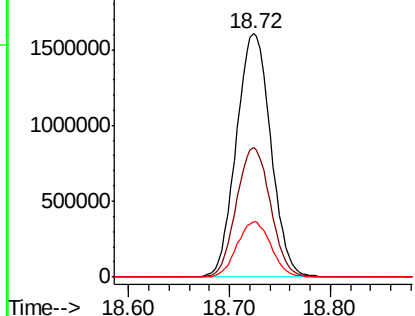
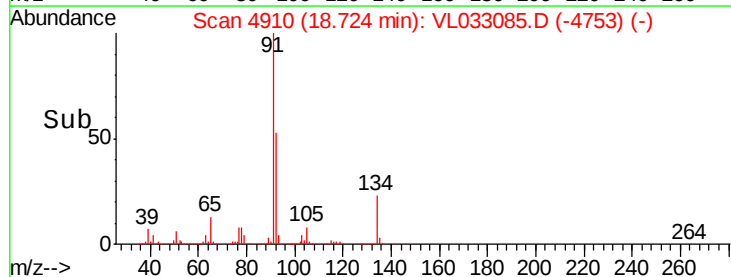


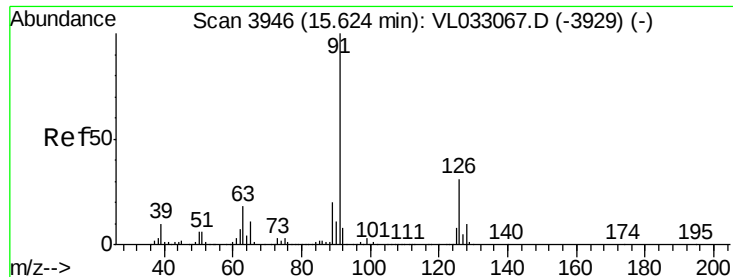
#70
 n-Butylbenzene
 Concen: 6.764 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 91 Resp: 3799870
 Ion Ratio Lower Upper
 91 100
 92 52.8 42.4 63.6
 134 22.5 18.0 27.0



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

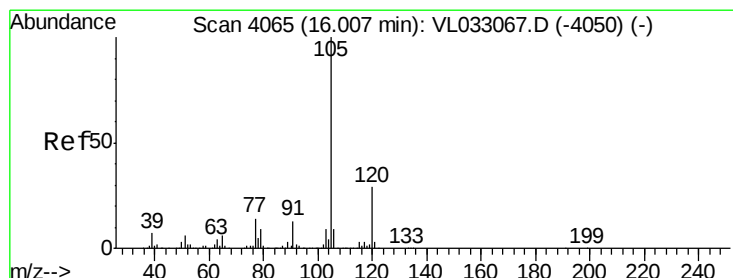
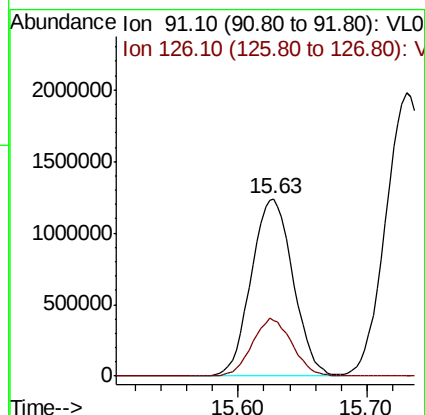
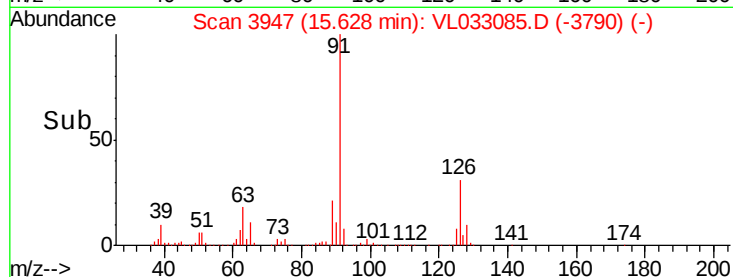
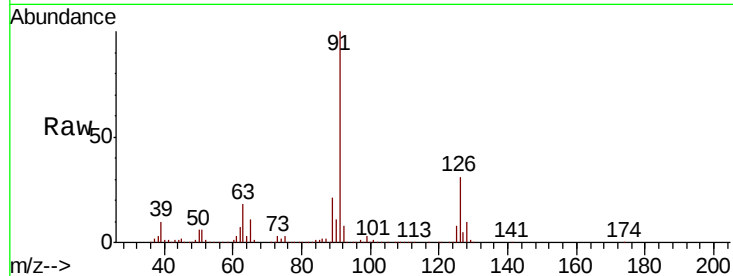




#71
 2-Chlorotoluene
 Concen: 7.275 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

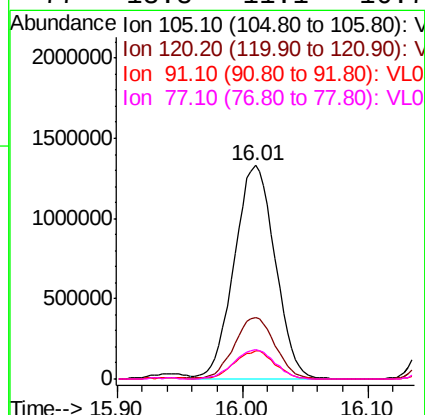
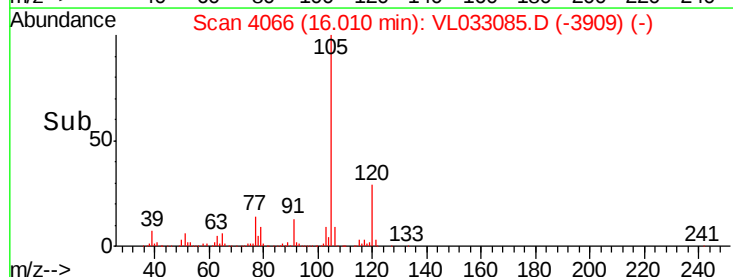
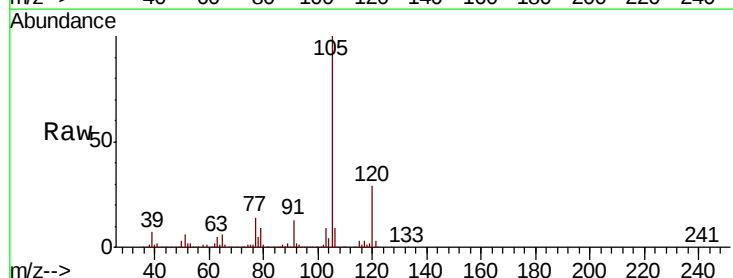
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

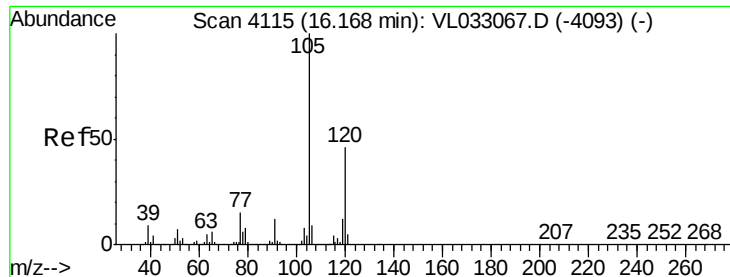
Tgt Ion: 91 Resp: 2802512
 Ion Ratio Lower Upper
 91 100
 126 31.0 12.4 49.6



#72
 4-Ethyltoluene
 Concen: 7.156 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 105 Resp: 3001479
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.0 34.6
 91 13.2 10.3 15.5
 77 13.8 11.1 16.7

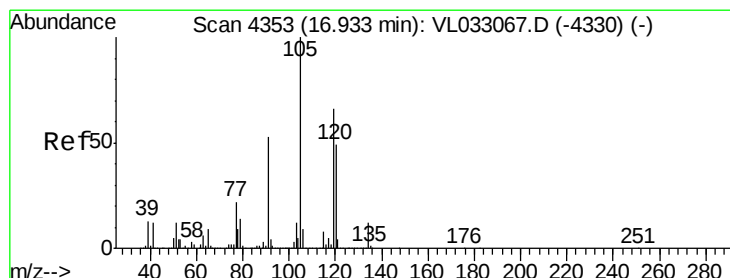
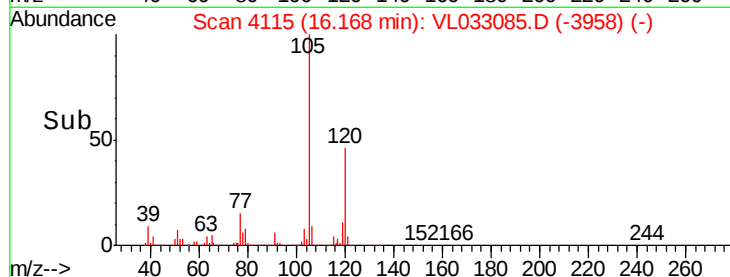
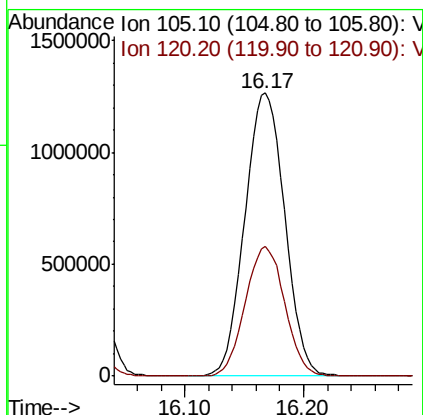
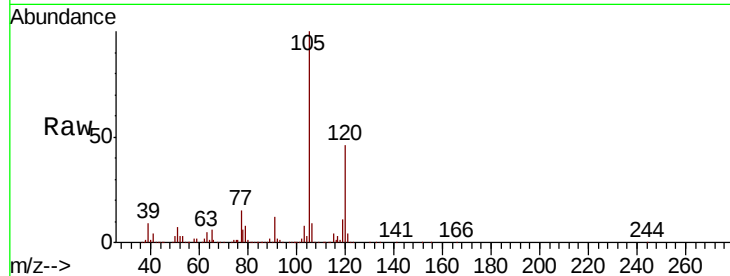




#73
 1,3,5-Trimethylbenzene
 Concen: 7.097 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

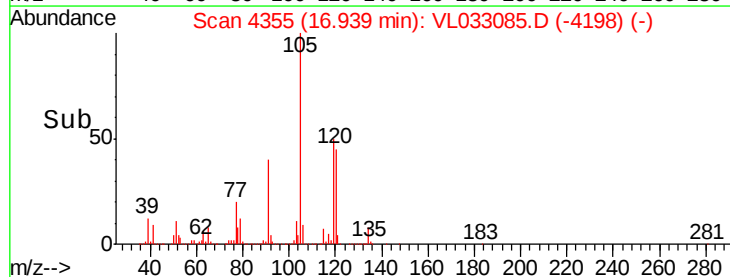
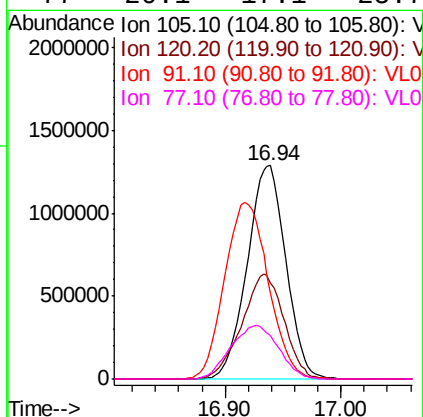
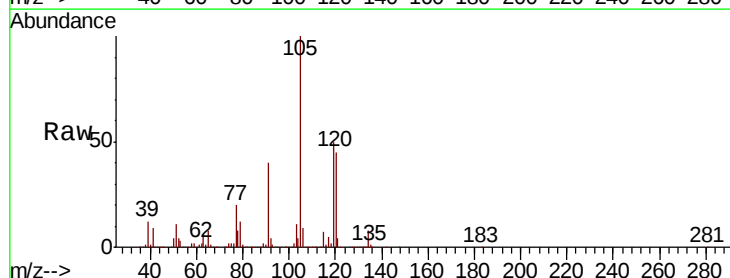
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

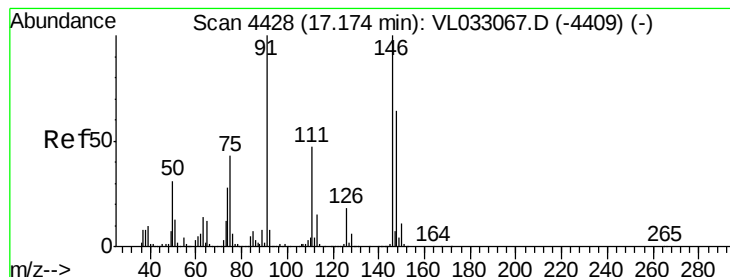
Tgt Ion:105 Resp: 2937068
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.1 54.1



#74
 1,2,4-Trimethylbenzene
 Concen: 6.508 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion:105 Resp: 2982871
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.0 55.4
 91 39.9 35.4 53.0
 77 20.1 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 6.099 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

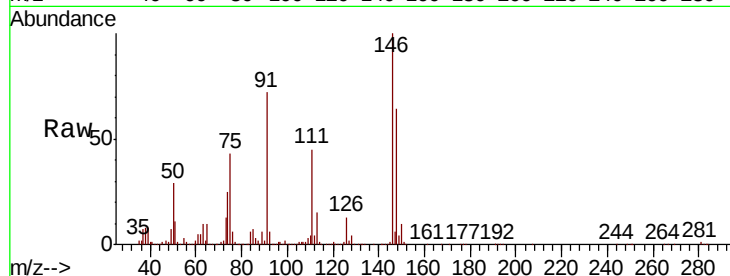
Tgt Ion:146 Resp: 1645642

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.2

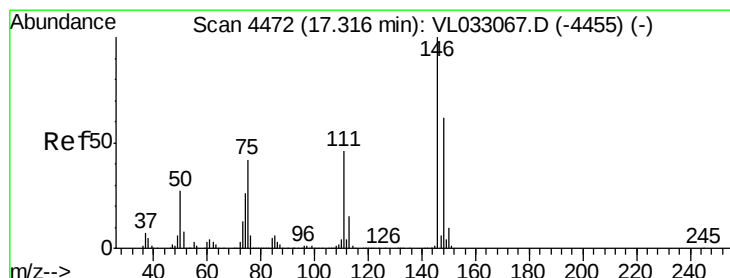
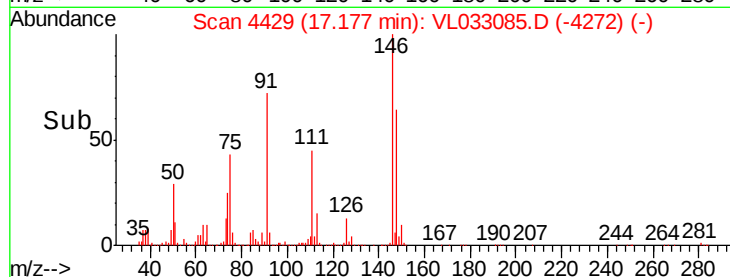
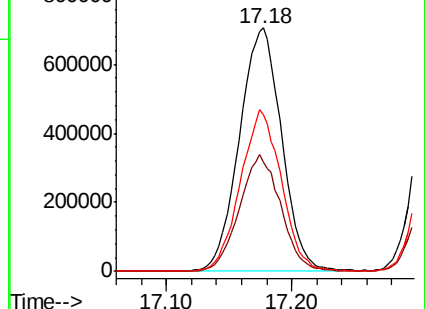
148 64.6 32.1 96.3



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



#76

1,4-Dichlorobenzene

Concen: 6.449 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

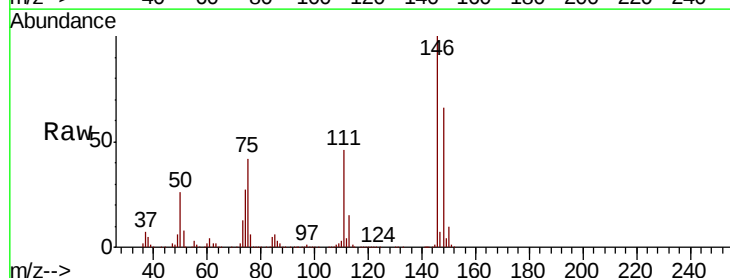
Tgt Ion:146 Resp: 1584937

Ion Ratio Lower Upper

146 100

111 45.6 22.7 68.1

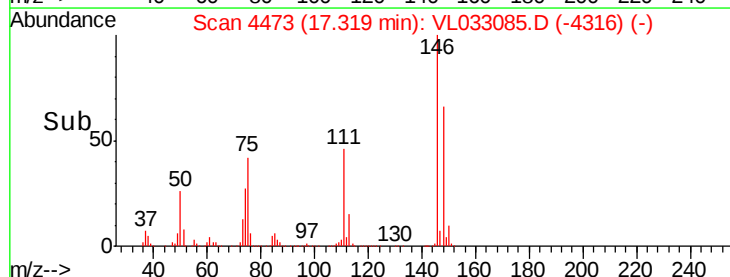
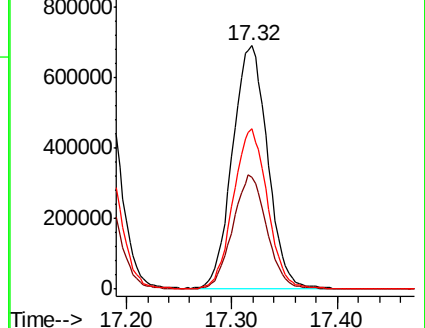
148 64.5 32.4 97.2

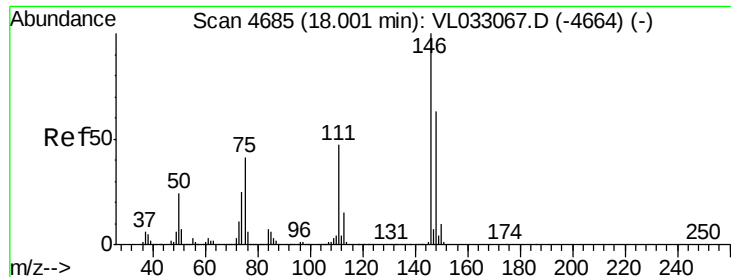


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.620 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

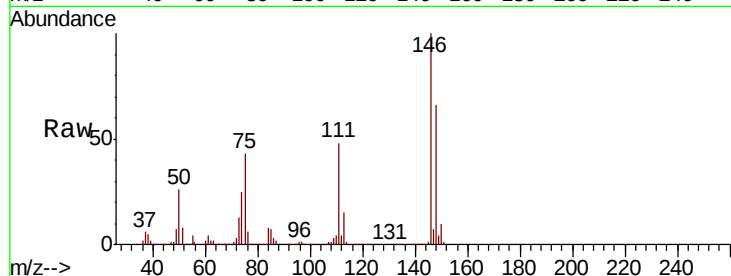
Tgt Ion:146 Resp: 1608608

Ion Ratio Lower Upper

146 100

111 49.2 24.4 73.2

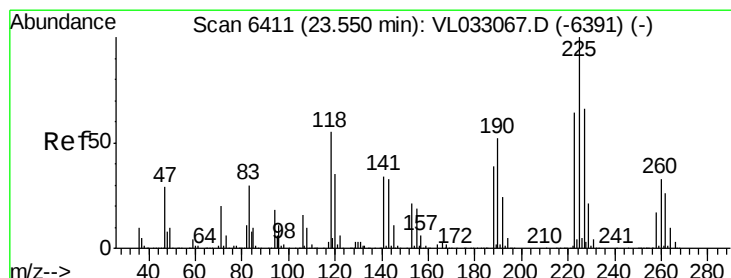
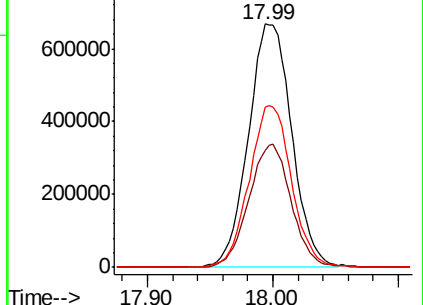
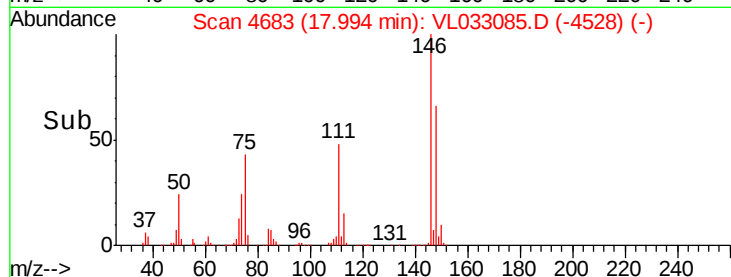
148 64.8 32.3 96.9



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: 6.036 ppbv

RT: 23.55 min Scan# 6412

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

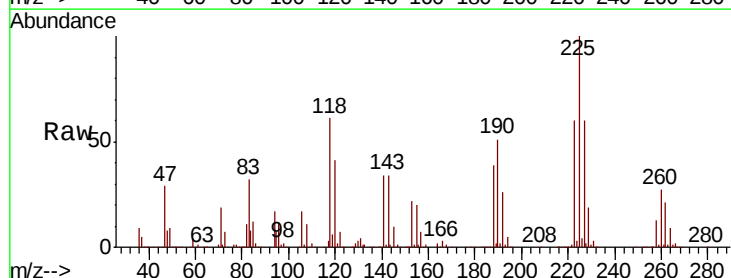
Tgt Ion:225 Resp: 1126465

Ion Ratio Lower Upper

225 100

223 63.6 51.0 76.6

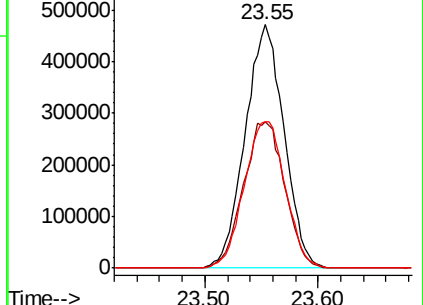
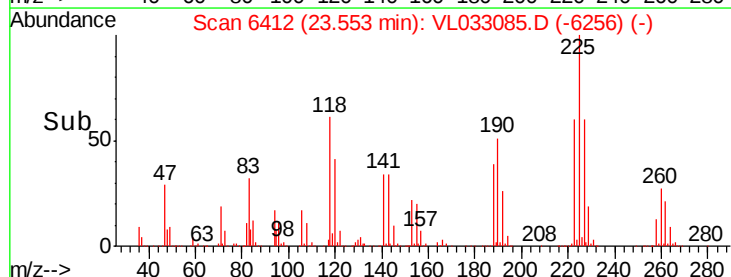
227 63.6 51.0 76.4

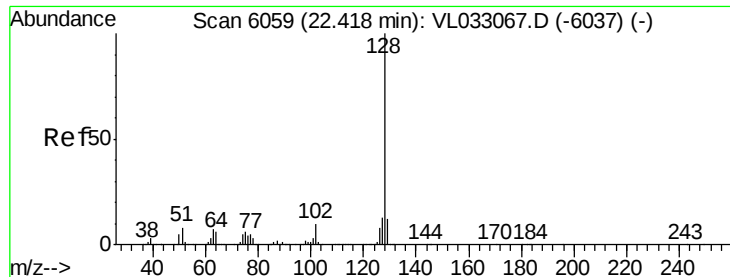


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 5.811 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. -0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

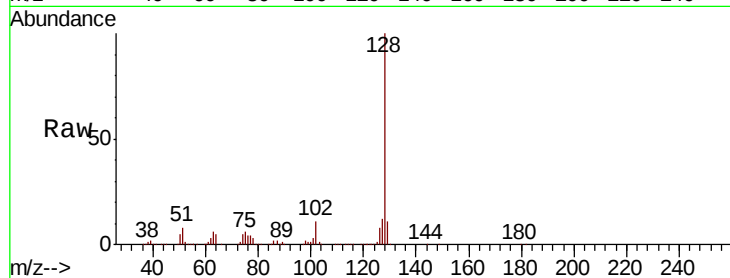
Tgt Ion:128 Resp: 2243593

Ion Ratio Lower Upper

128 100

127 12.1 11.0 16.6

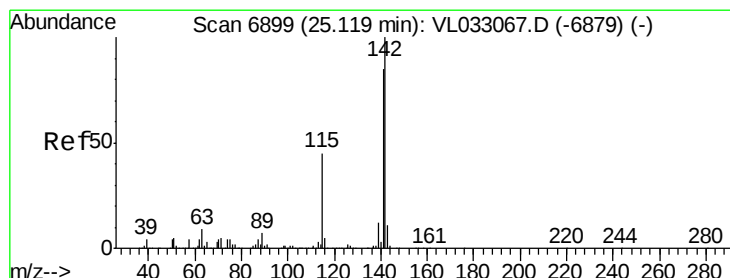
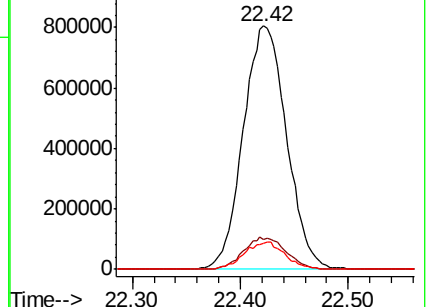
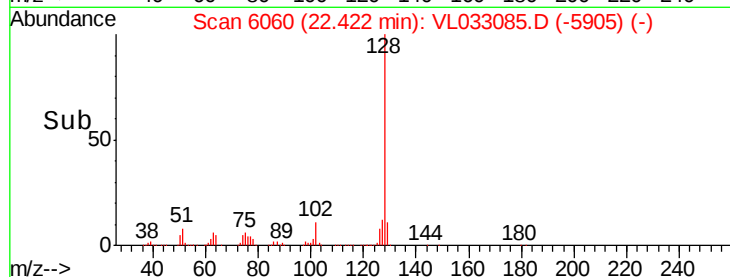
129 10.6 9.4 14.0



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: 4.633 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

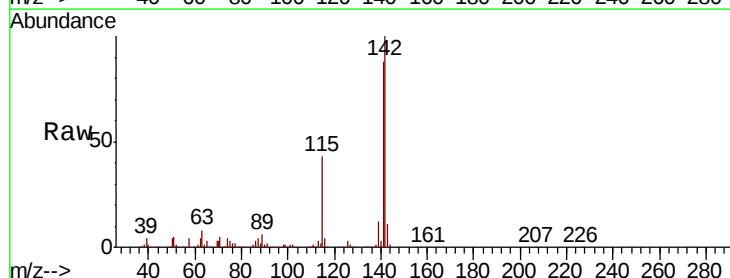
Tgt Ion:142 Resp: 542790

Ion Ratio Lower Upper

142 100

141 84.2 68.6 103.0

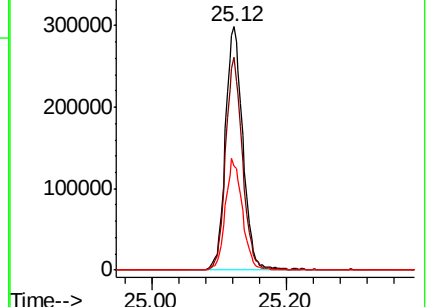
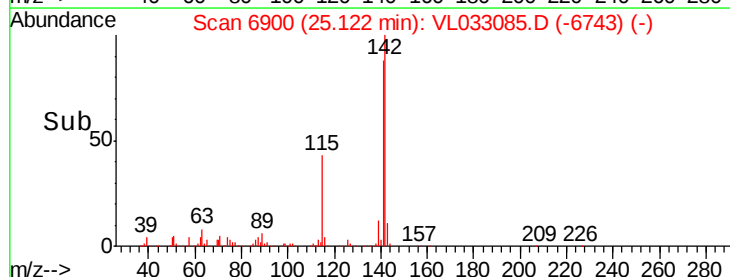
115 44.5 35.6 53.4

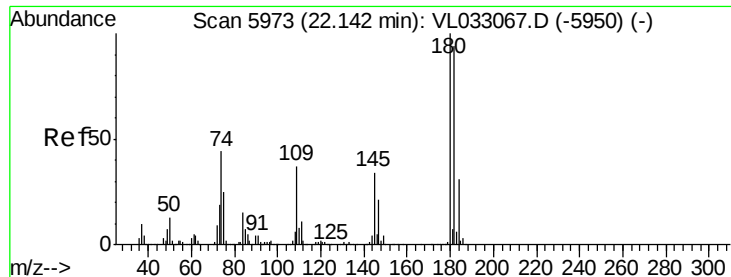


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 5.917 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1103557
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.4 24.6 37.0

