

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033485.D
 Acq On : 28 Mar 2019 2:12
 Operator : SY/AP
 Sample : K1991-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 28 07:32:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	808016	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1892796	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1922198	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1490372	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

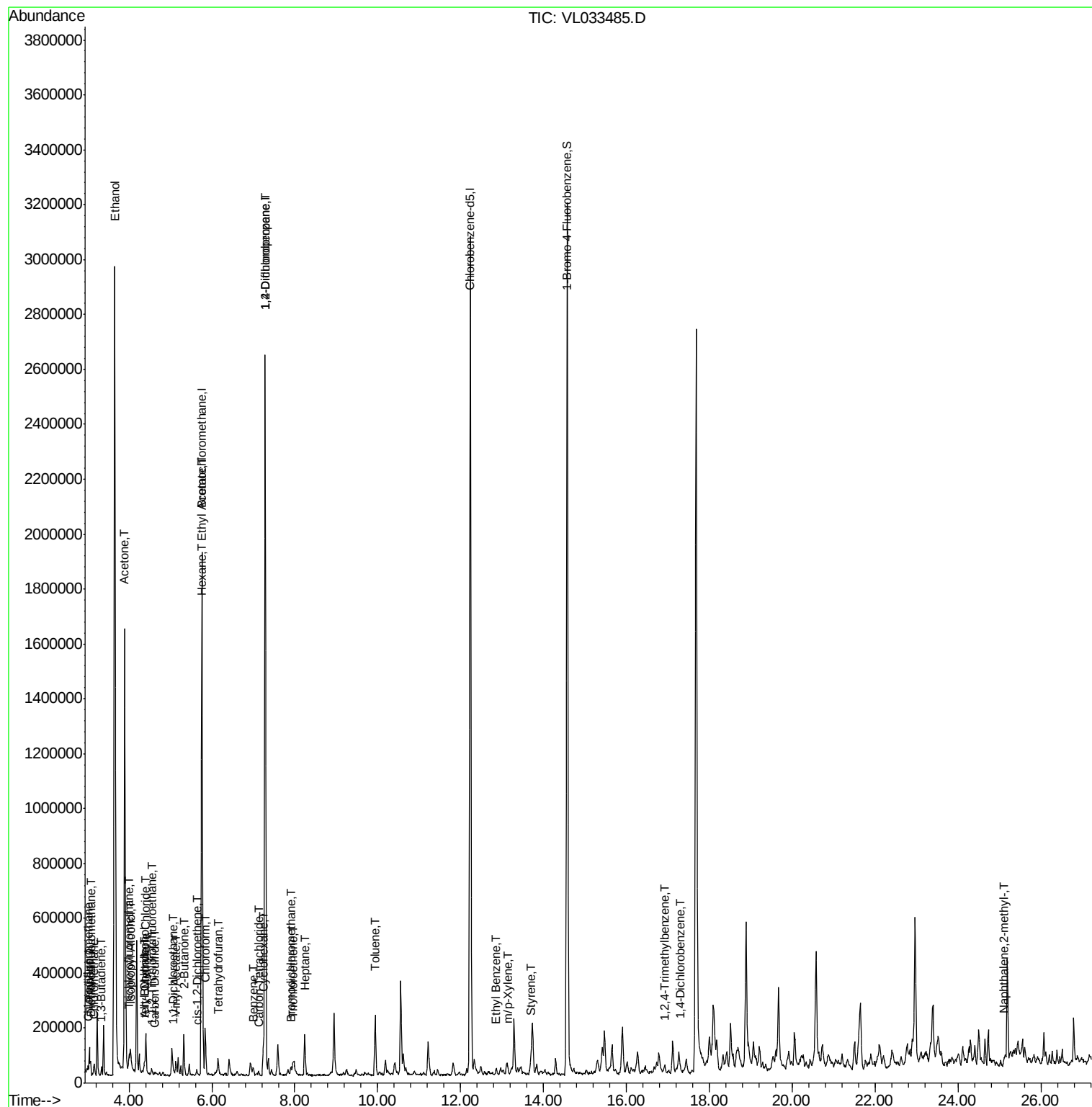
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	31470	0.267	ppbv #	87
3) Chlorodifluoromethane	3.01	51	29799	0.320	ppbv #	91
4) Chloromethane	3.17	50	24368	0.495	ppbv #	85
9) Propene	3.04	41	18527	0.474	ppbv #	80
10) Heptane	8.24	43	56477	0.541	ppbv	98
11) Trichlorofluoromethane	4.00	101	31521	0.217	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.54	101	2126	0.022	ppbv #	1
13) Ethanol	3.65	45	3962312	391.954	ppbv	65
15) Acetone	3.89	43	1628678	16.764	ppbv	100
16) 1,3-Butadiene	3.34	39	7398	0.192	ppbv #	13
17) tert-Butyl alcohol	4.36	59	7599	0.425	ppbv #	73
19) Isopropyl Alcohol	4.03	45	47655	0.775	ppbv #	1
20) Methylene Chloride	4.40	84	48986	1.188	ppbv	91
21) Allyl Chloride	4.37	41	2350	0.038	ppbv #	1
23) Vinyl Acetate	5.13	43	18840	0.136	ppbv #	1
24) 1,1-Dichloroethane	5.08	63	2815	0.027	ppbv #	88
25) Ethyl Acetate	5.77	43	84792	0.470	ppbv #	89
26) Hexane	5.77	57	94057	1.174	ppbv #	46
27) Carbon Disulfide	4.61	76	6106	0.064	ppbv #	71
29) Chloroform	5.84	83	111359	0.811	ppbv	98
30) Cyclohexane	7.24	84	28019	0.442	ppbv	86
31) cis-1,2-Dichloroethene	5.63	61	5050	0.063	ppbv #	70
34) 2-Butanone	5.32	43	156691	1.378	ppbv	99
35) Carbon Tetrachloride	7.13	117	7578	0.057	ppbv #	87
36) Benzene	7.00	78	6974	0.044	ppbv #	82
38) Trichloroethene	7.95	130	5104	0.085	ppbv	88
39) 1,2-Dichloropropane	7.28	63	483088	7.765	ppbv #	23
41) Tetrahydrofuran	6.15	42	30434	0.487	ppbv	95
42) Bromodichloromethane	7.91	83	2943	0.020	ppbv	93
53) Toluene	9.94	91	156859	0.850	ppbv	98
58) Ethyl Benzene	12.86	91	10176	0.040	ppbv	99
59) m/p-Xylene	13.14	91	6465	0.028	ppbv #	100
61) Styrene	13.68	104	3648	0.024	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.91	105	7693	0.030	ppbv #	74
76) 1,4-Dichlorobenzene	17.30	146	4235	0.028	ppbv #	42
80) Naphthalene,2-methyl-	25.11	142	2387	0.033	ppbv #	76

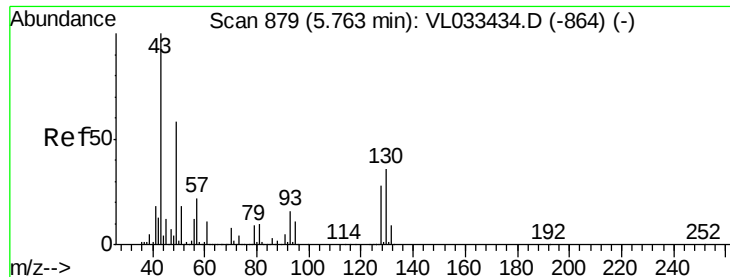
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
Data File : VL033485.D
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Instrument :
MSVOA_L
ClientSampled :

Quant Time: Mar 28 07:32:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

ClientSampleId :

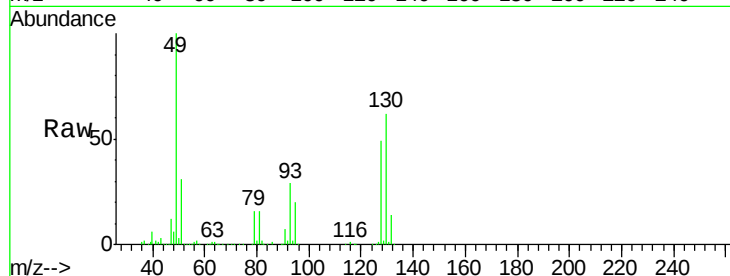
Tot Ion: 49 Resp: 808016

Ion Ratio Lower Upper

49 100

128 49.5 24.0 72.0

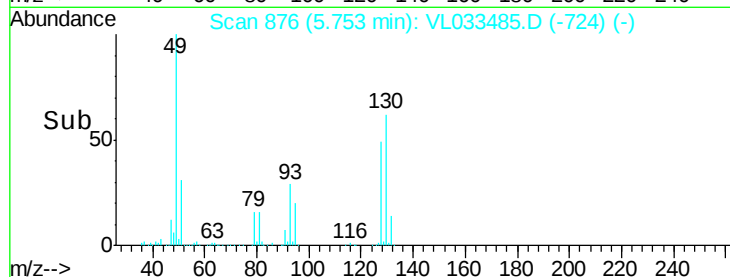
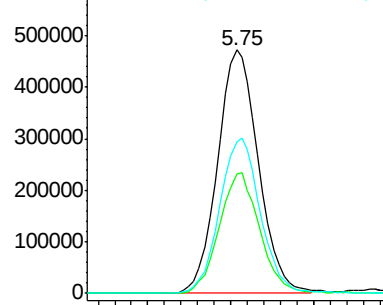
130 64.3 31.2 93.6



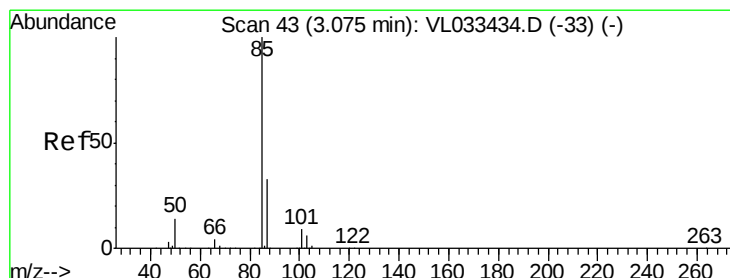
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.267 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033485.D

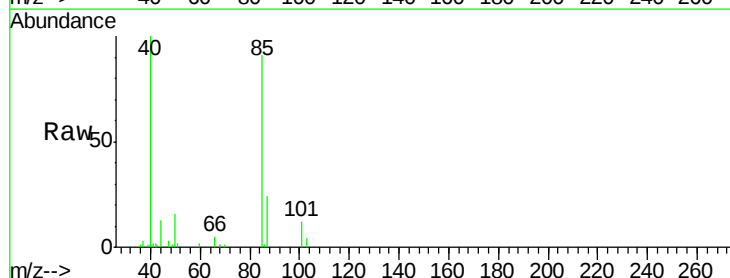
Acq: 28 Mar 2019 2:12

Tgt Ion: 85 Resp: 31470

Ion Ratio Lower Upper

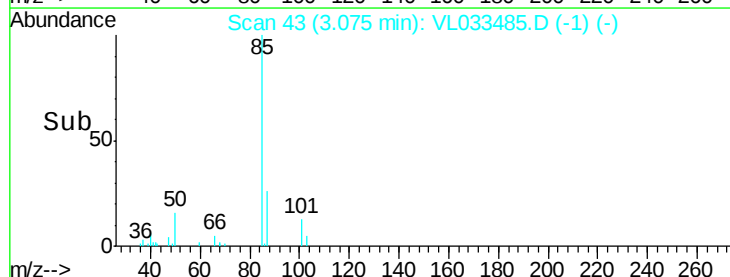
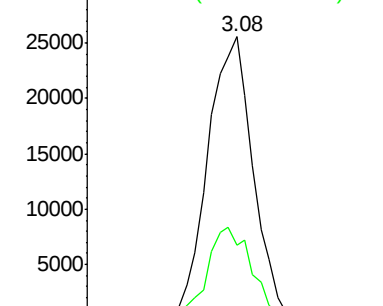
85 100

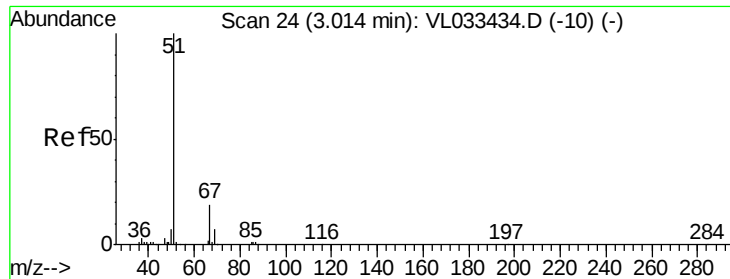
87 26.2 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

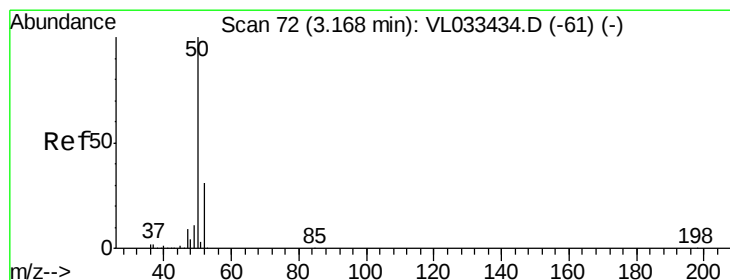
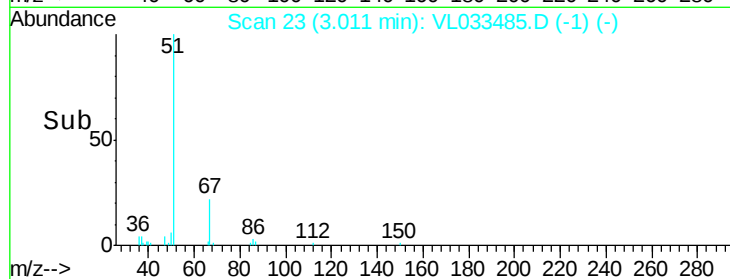
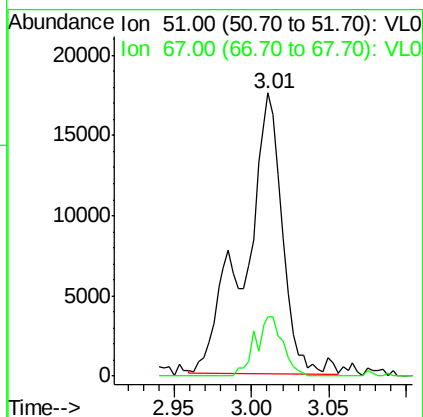
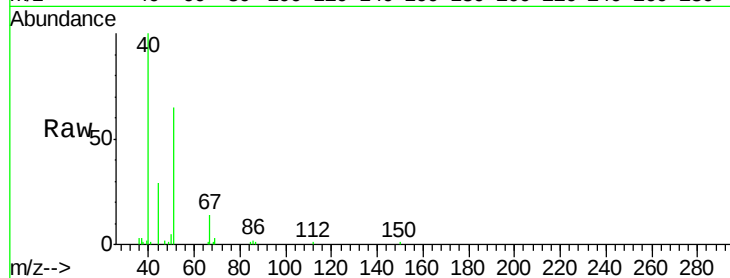




#3
 Chlorodifluoromethane
 Concen: 0.320 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

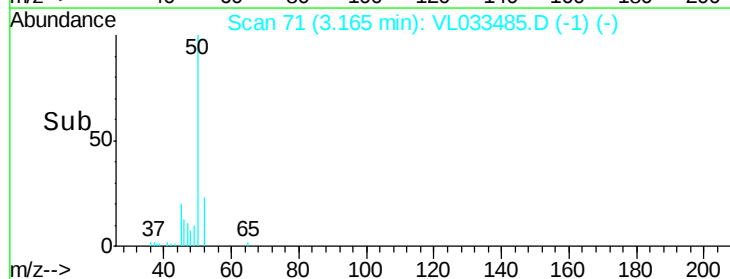
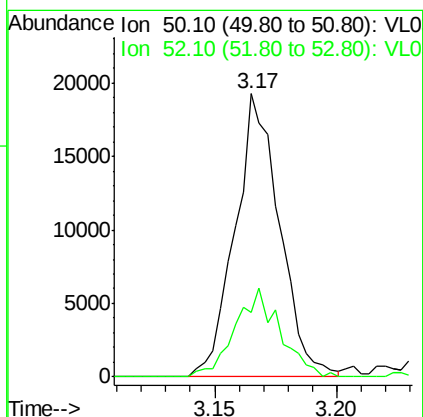
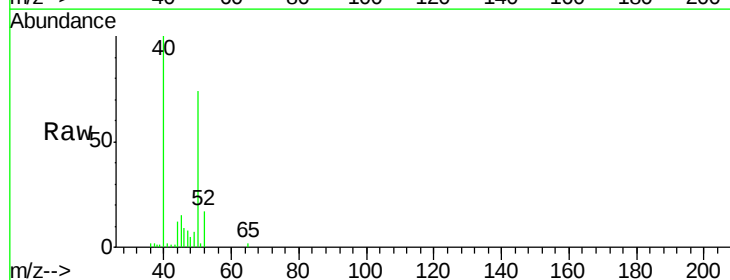
Instrument :
 MSVOA_L
 ClientSampleId :

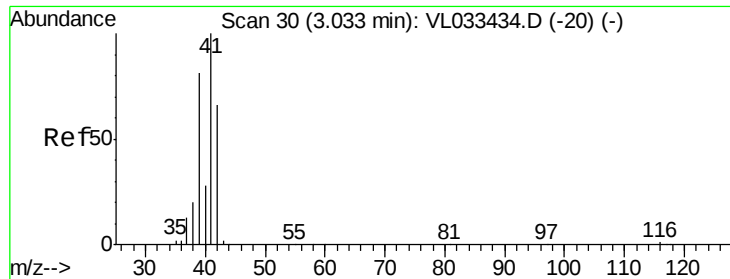
Tot Ion: 51 Resp: 29799
 Ion Ratio Lower Upper
 51 100
 67 15.4 15.7 23.5#



#4
 Chloromethane
 Concen: 0.495 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

Tgt Ion: 50 Resp: 24368
 Ion Ratio Lower Upper
 50 100
 52 22.9 25.0 37.6#





#9

Propene

Concen: 0.474 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

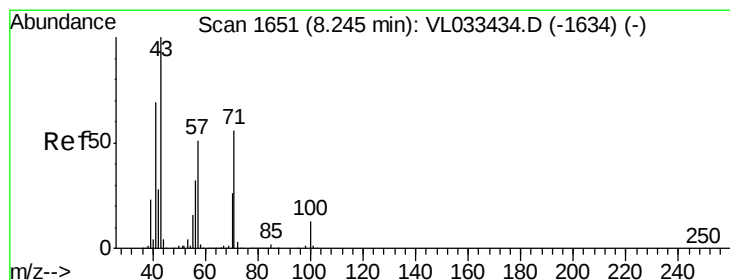
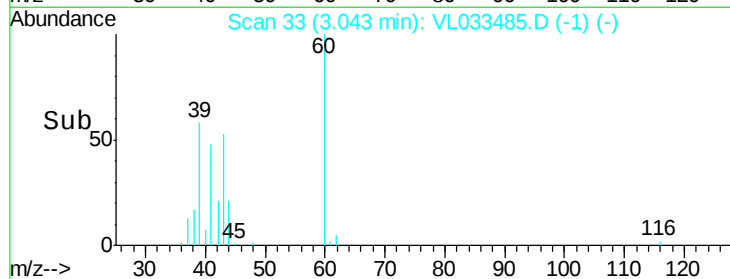
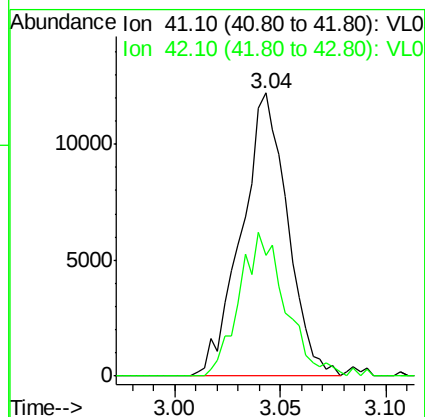
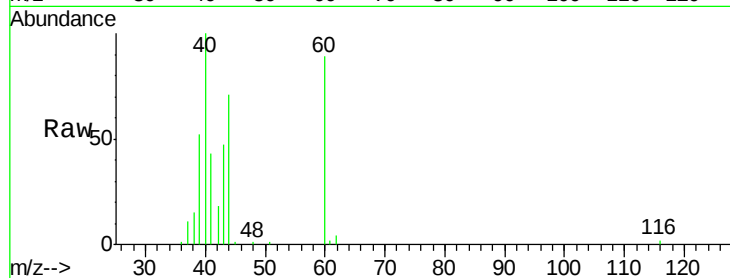
ClientSampleId :

Tot Ion: 41 Resp: 18527

Ion Ratio Lower Upper

41 100

42 51.4 53.9 80.9#



#10

Heptane

Concen: 0.541 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033485.D

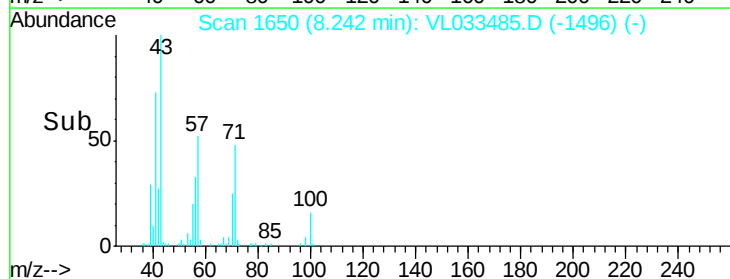
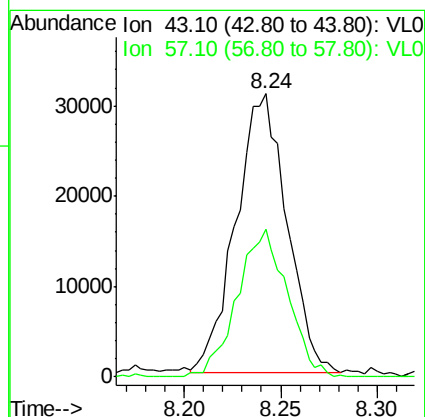
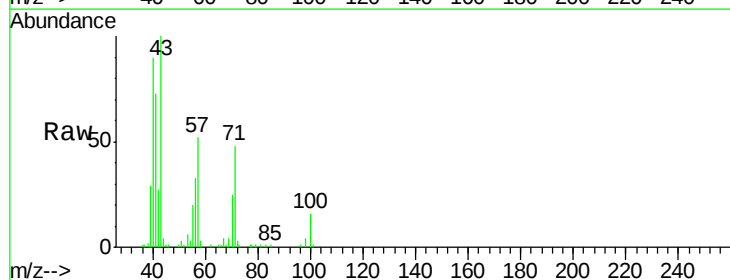
Acq: 28 Mar 2019 2:12

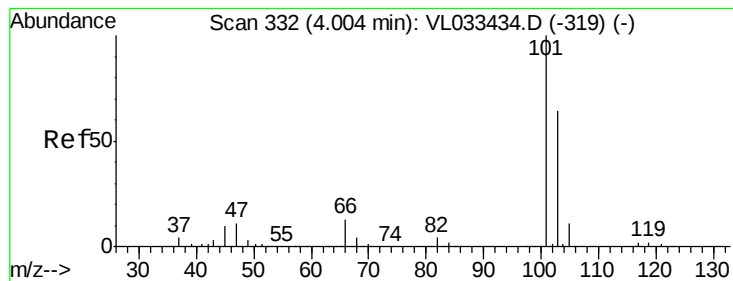
Tgt Ion: 43 Resp: 56477

Ion Ratio Lower Upper

43 100

57 52.0 40.6 60.8





#11

Trichlorofluoromethane

Concen: 0.217 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

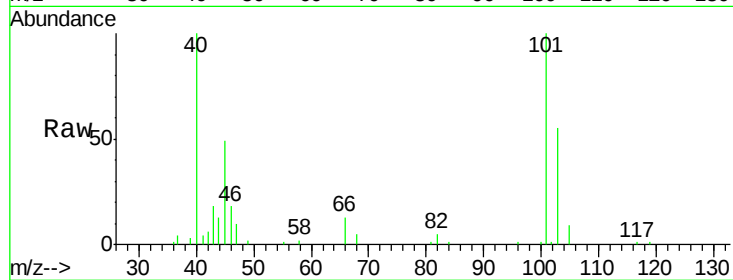
ClientSampleId :

Tot Ion:101 Resp: 31521

Ion Ratio Lower Upper

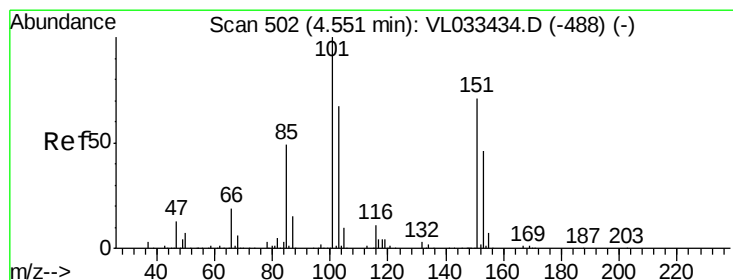
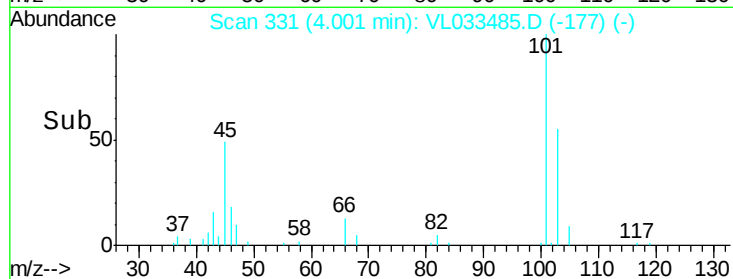
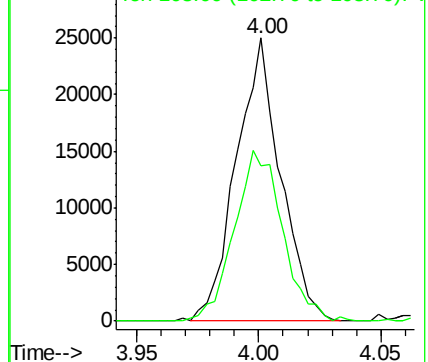
101 100

103 53.1 51.3 76.9



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: 0.022 ppbv

RT: 4.54 min Scan# 498

Delta R.T. -0.01 min

Lab File: VL033485.D

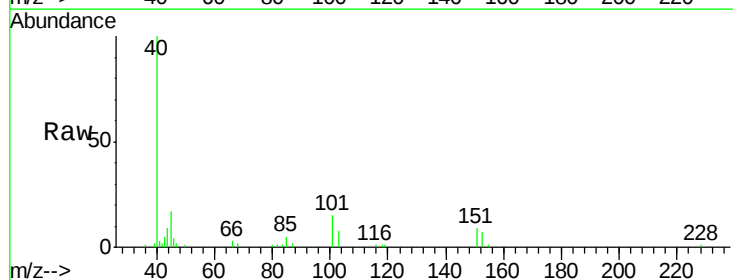
Acq: 28 Mar 2019 2:12

Tgt Ion:101 Resp: 2126

Ion Ratio Lower Upper

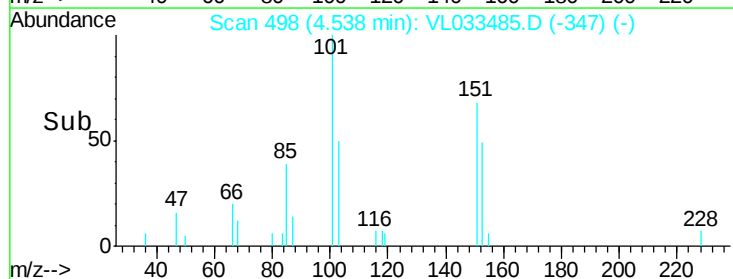
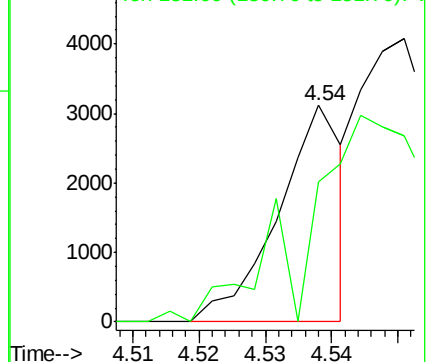
101 100

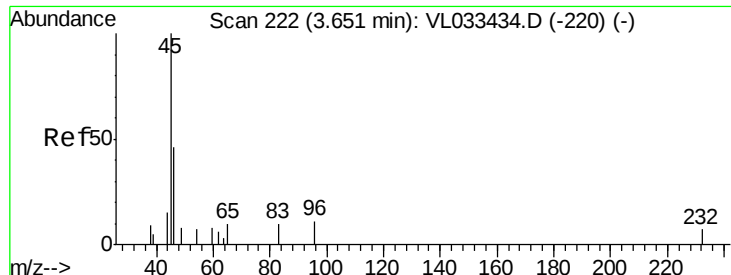
151 219.0 57.7 86.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

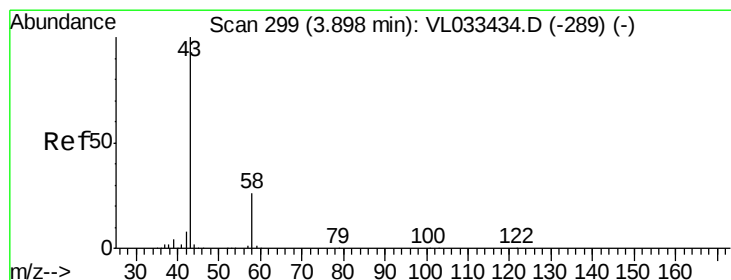
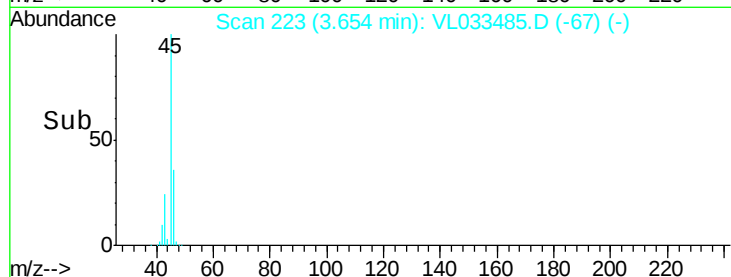
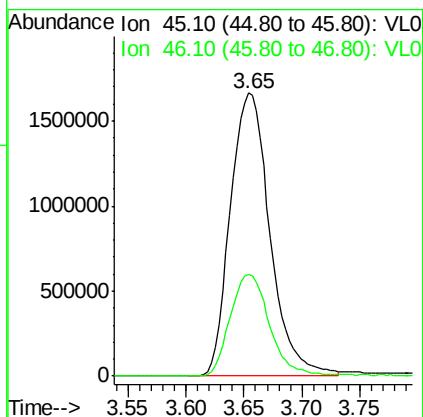
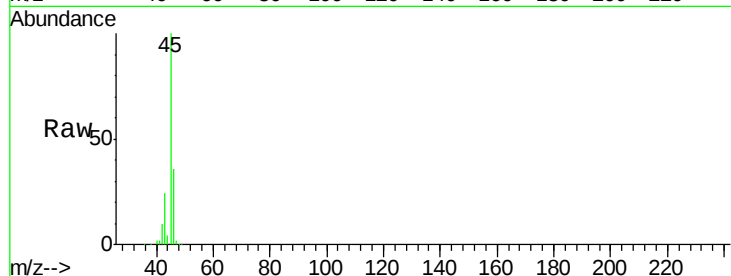




#13
Ethanol
Concen: 391.954 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

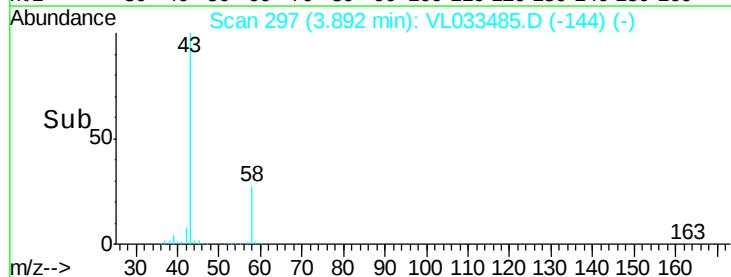
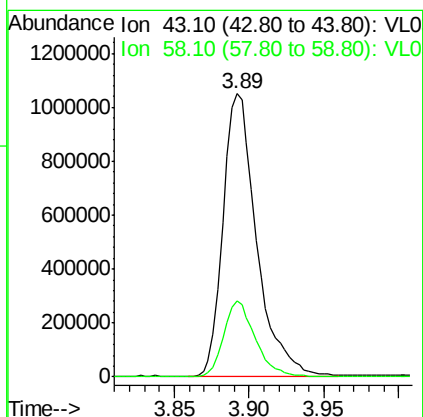
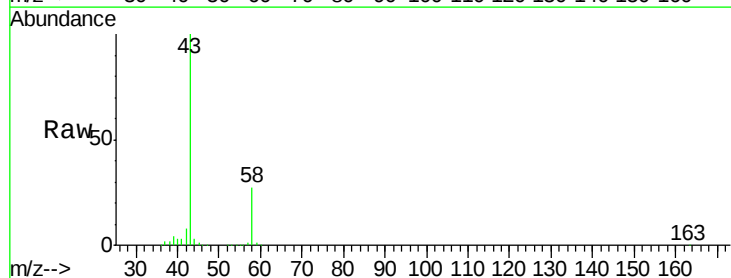
Instrument :
MSVOA_L
ClientSampled :

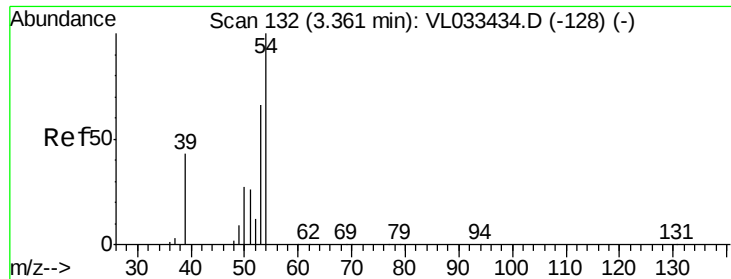
Tot Ion: 45 Resp: 3962312
Ion Ratio Lower Upper
45 100
46 36.3 25.4 101.8



#15
Acetone
Concen: 16.764 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

Tgt Ion: 43 Resp: 1628678
Ion Ratio Lower Upper
43 100
58 25.8 20.5 30.7

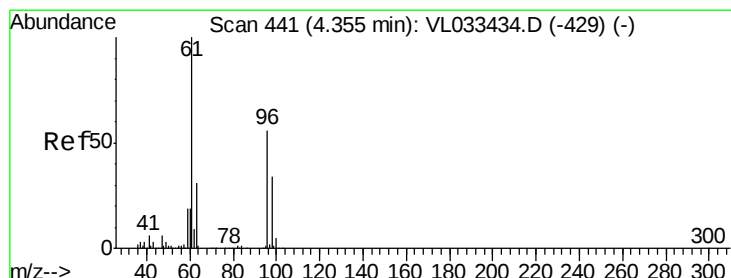
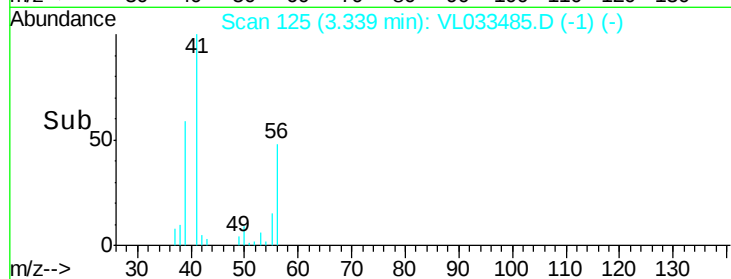
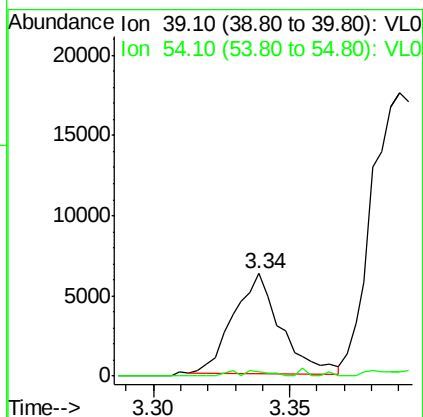
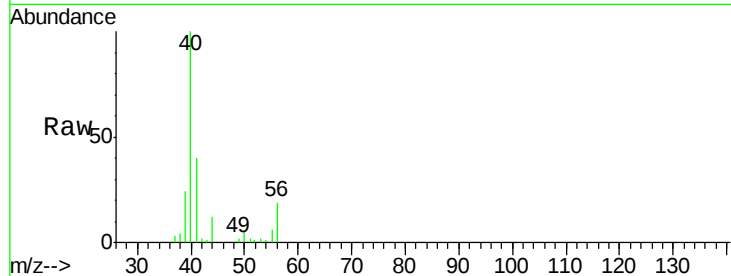




#16
 1,3-Butadiene
 Concen: 0.192 ppbv
 RT: 3.34 min Scan# 125
 Delta R.T. -0.02 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

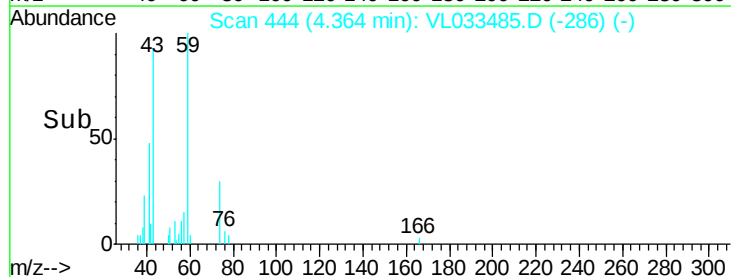
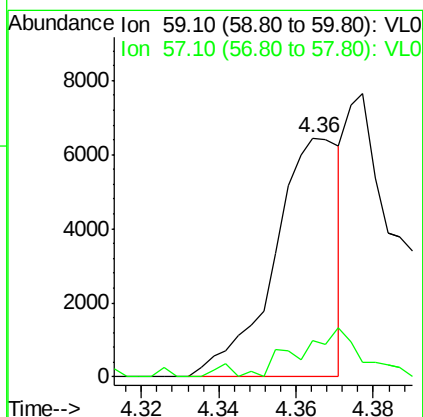
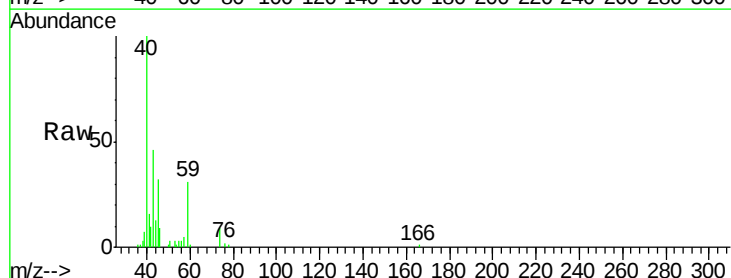
Instrument :
 MSVOA_L
 ClientSampleId :

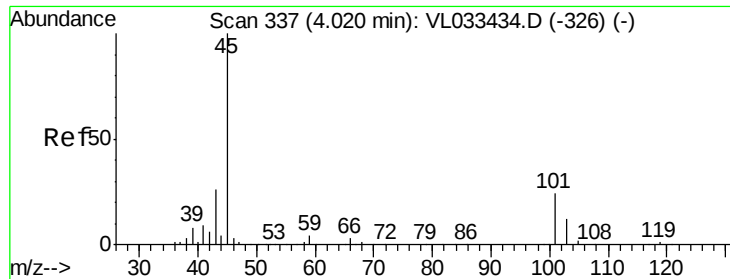
Tot Ion: 39 Resp: 7398
 Ion Ratio Lower Upper
 39 100
 54 6.1 69.4 104.2#



#17
 tert-Butyl alcohol
 Concen: 0.425 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

Tgt Ion: 59 Resp: 7599
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 0.775 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

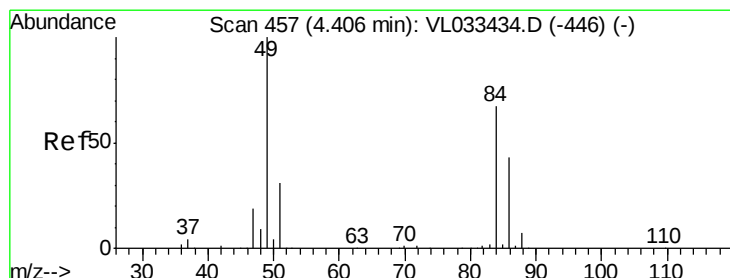
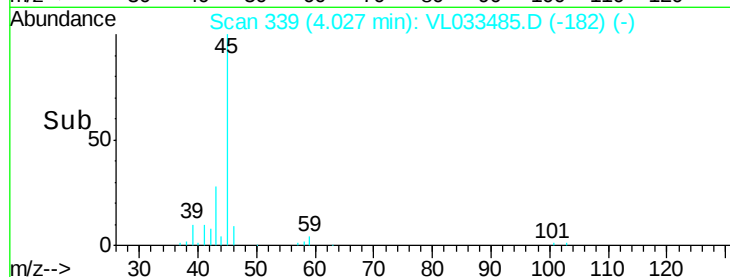
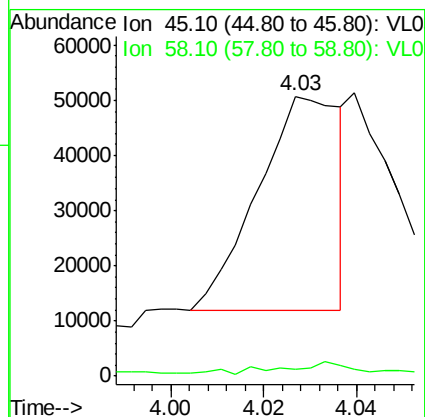
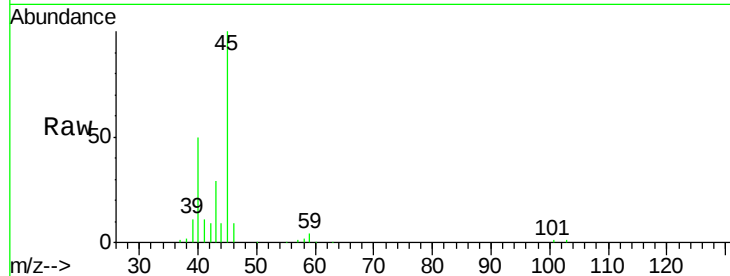
ClientSampled :

Tot Ion: 45 Resp: 47655

Ion Ratio Lower Upper

45 100

58 879.9 1.4 2.2#



#20

Methylene Chloride

Concen: 1.188 ppbv

RT: 4.40 min Scan# 455

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Tgt Ion: 84 Resp: 48986

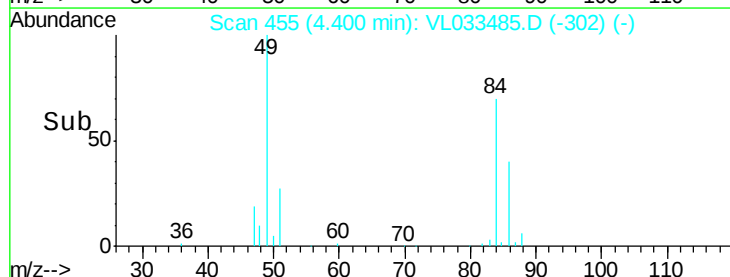
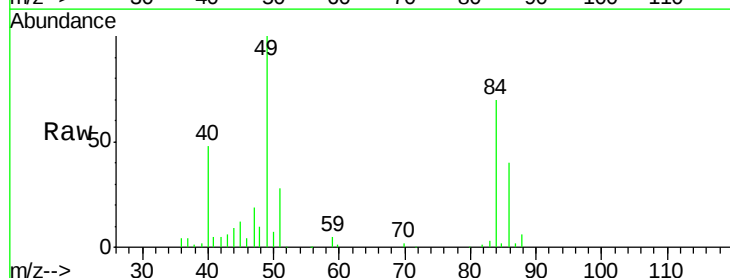
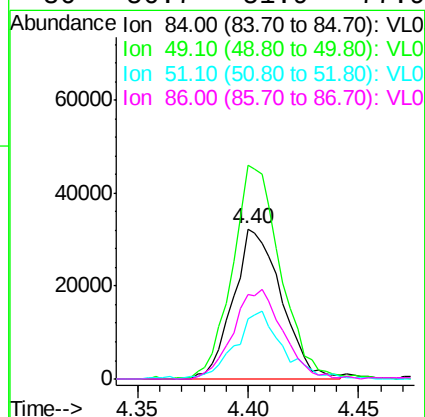
Ion Ratio Lower Upper

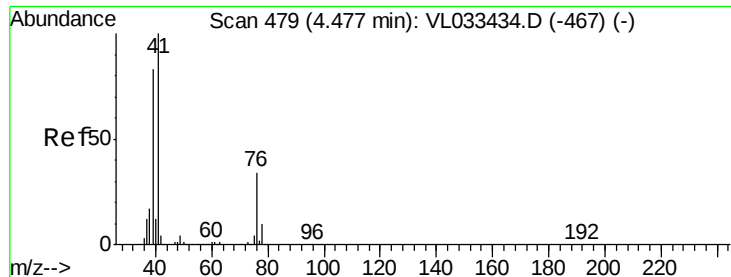
84 100

49 140.8 120.0 180.0

51 38.2 36.7 55.1

86 56.7 51.9 77.9





#21

Allvl Chloride

Concen: 0.038 ppbv

RT: 4.37 min Scan# 445

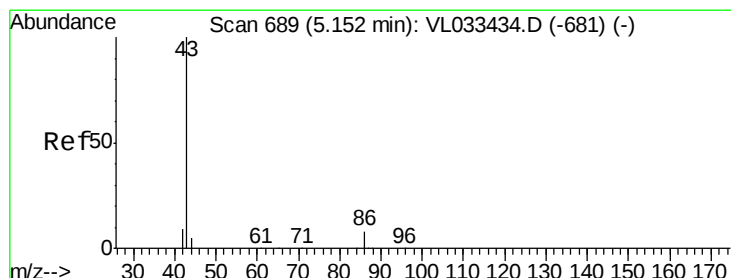
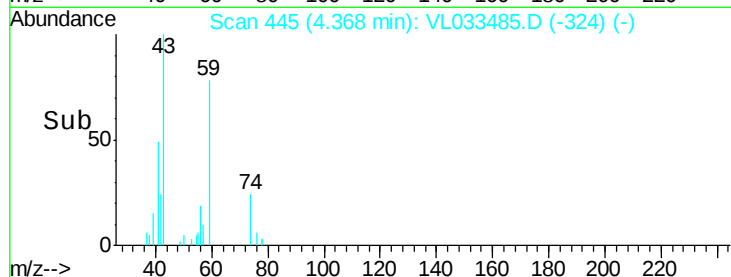
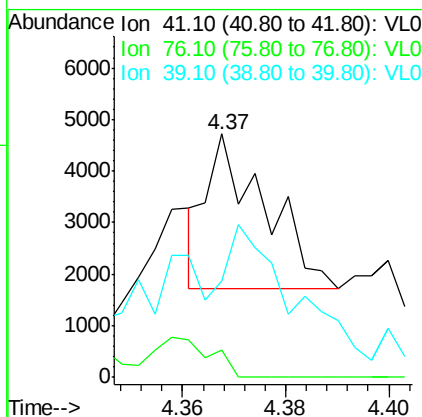
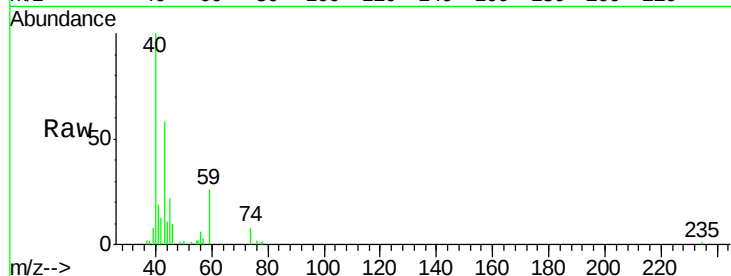
Delta R.T. -0.11 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	41	Resp:	2350
Ion	Ratio	Lower	Upper
41	100		
76	33.4	25.4	38.2
39	290.9	65.3	97.9#



#23

Vinyl Acetate

Concen: 0.136 ppbv

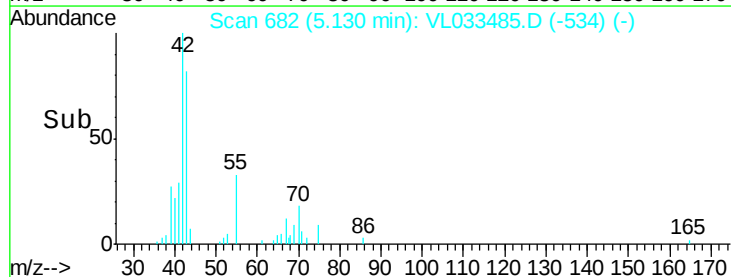
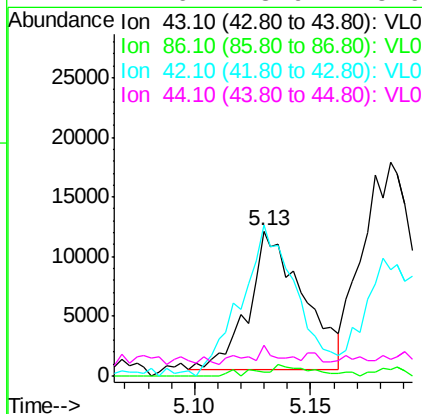
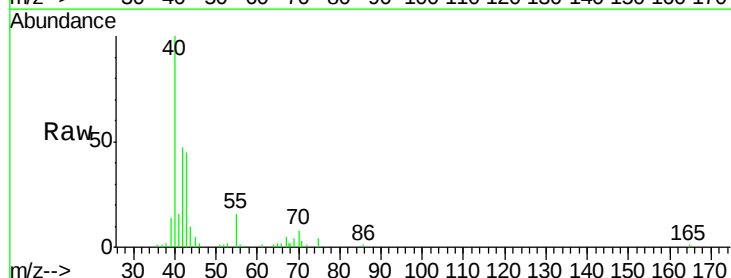
RT: 5.13 min Scan# 682

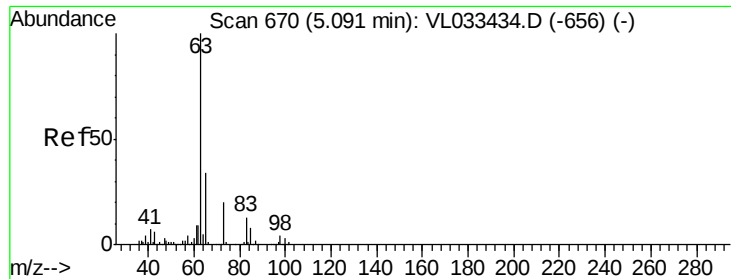
Delta R.T. -0.02 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Tgt Ion:	43	Resp:	18840
Ion	Ratio	Lower	Upper
43	100		
86	3.2	5.6	8.4#
42	105.9	8.0	12.0#
44	11.6	3.9	5.9#





#24

1,1-Dichloroethane

Concen: 0.027 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

ClientSampleId :

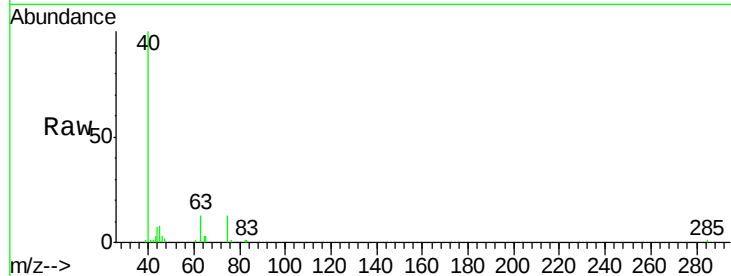
Tot Ion: 63 Resp: 2815

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

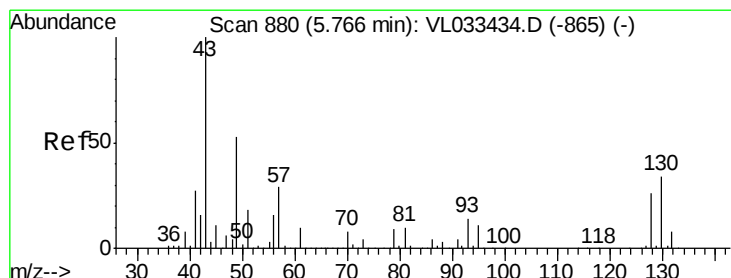
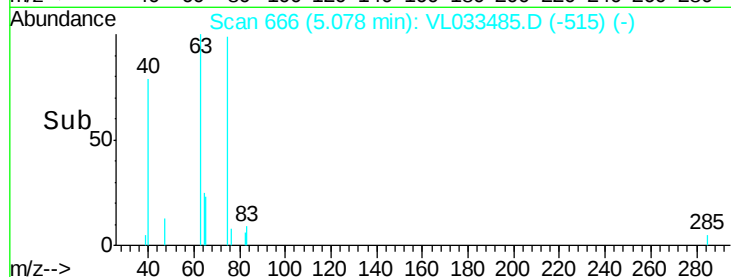
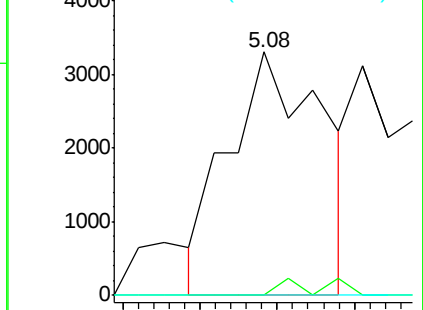
100 0.0 1.5 4.4#



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: 0.470 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Tgt Ion: 43 Resp: 84792

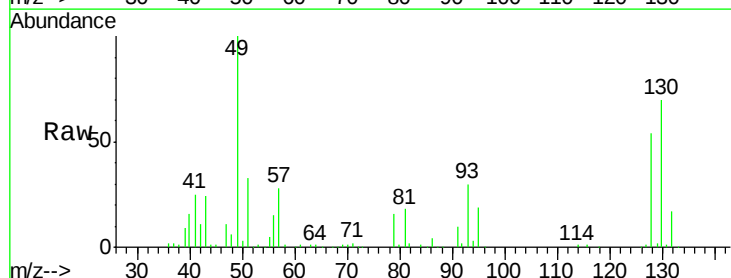
Ion Ratio Lower Upper

43 100

45 6.2 7.8 11.6#

61 3.9 7.3 10.9#

70 3.7 5.6 8.4#

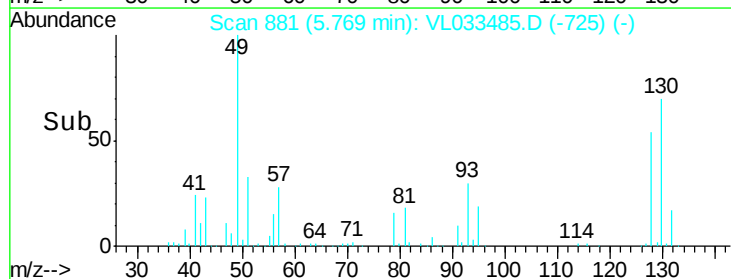
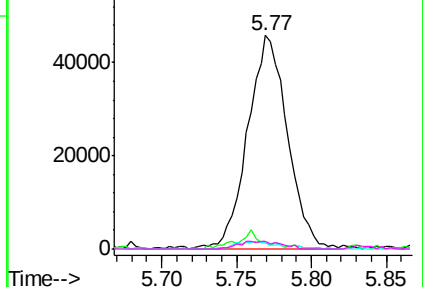


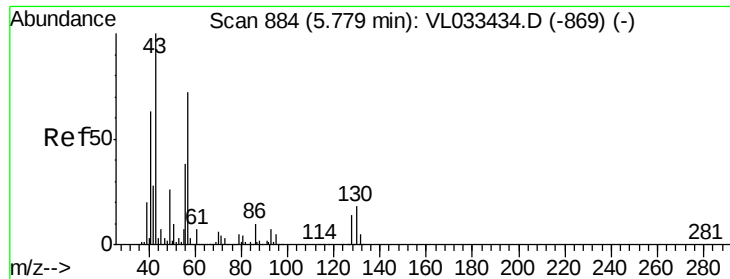
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

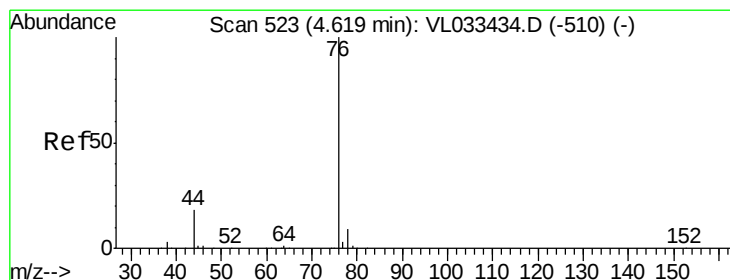
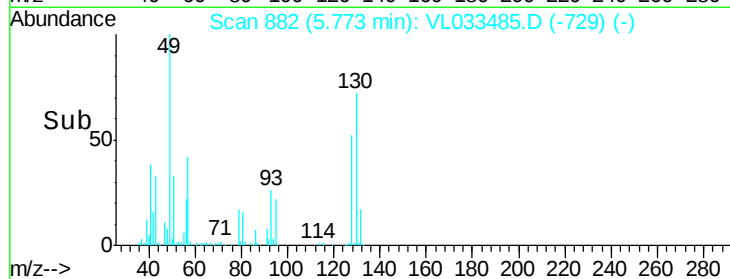
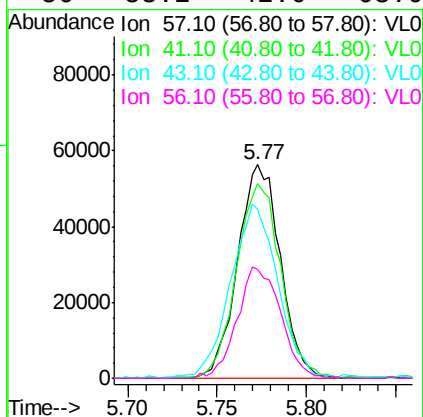
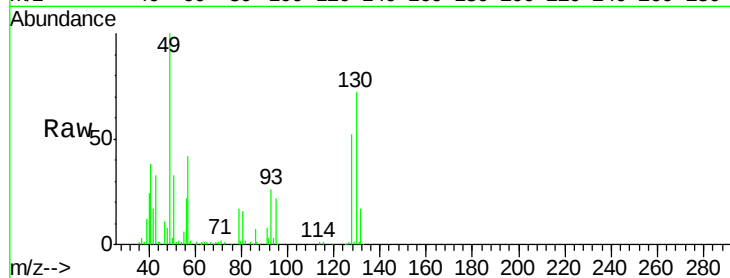




#26
Hexane
Concen: 1.174 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

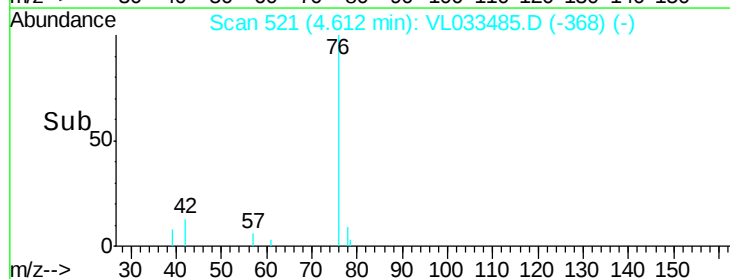
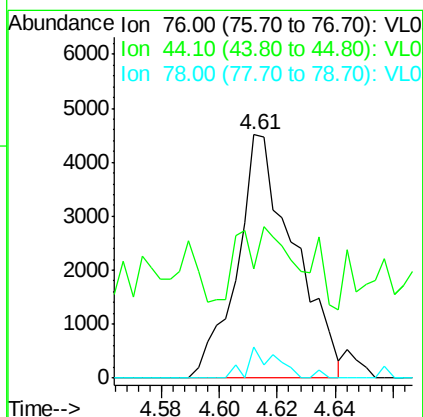
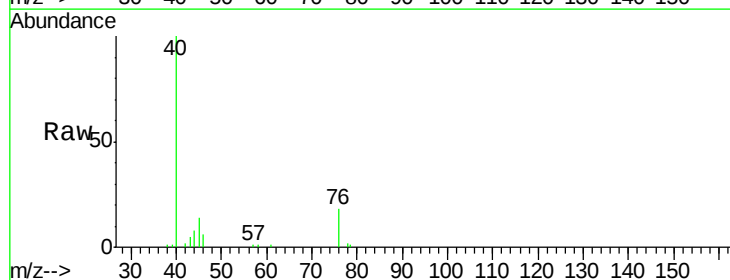
Instrument :
MSVOA_L
ClientSampleId :

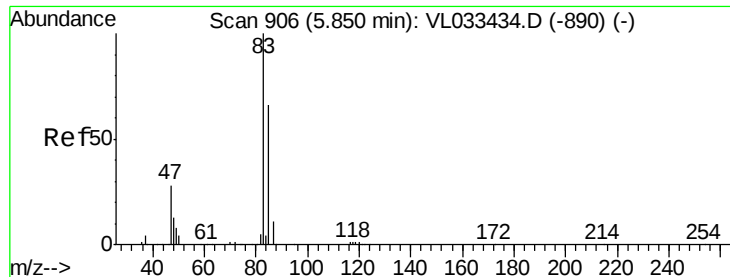
Tot Ion: 57 Resp: 94057
Ion Ratio Lower Upper
57 100
41 95.0 70.7 106.1
43 89.7 182.6 274.0#
56 53.2 42.0 63.0



#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

Tgt Ion: 76 Resp: 6106
Ion Ratio Lower Upper
76 100
44 36.3 14.8 22.2#
78 6.8 7.6 11.4#

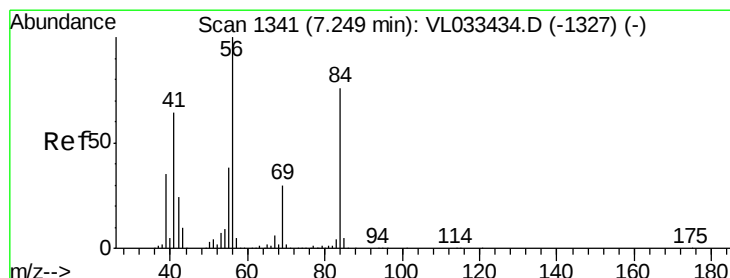
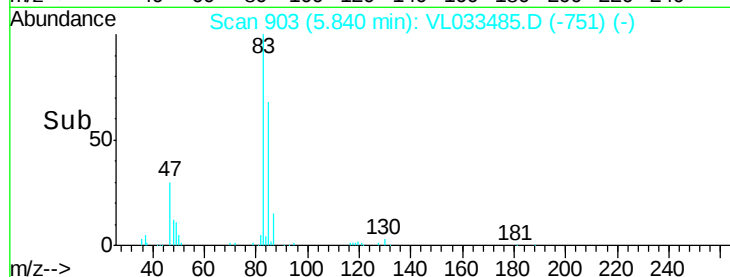
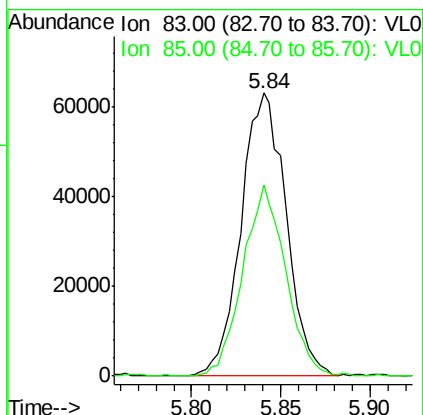
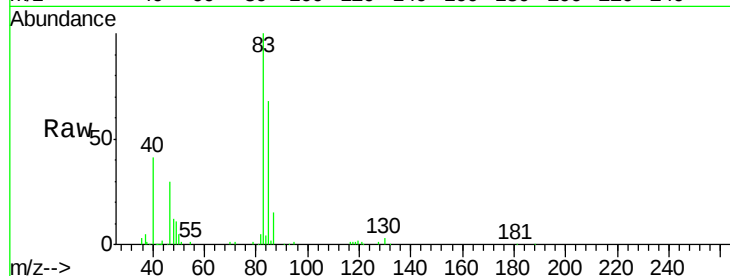




#29
Chloroform
Concen: 0.811 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

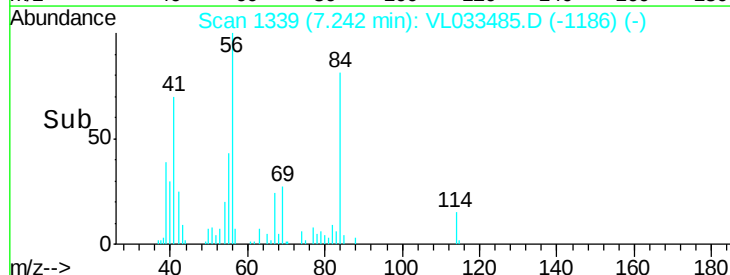
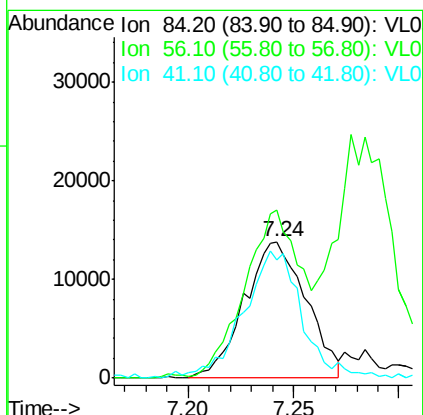
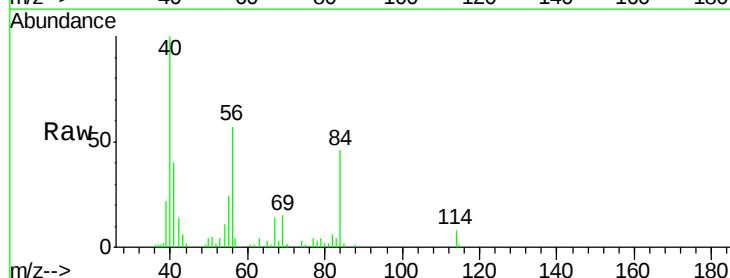
Instrument :
MSVOA_L
ClientSampleId :

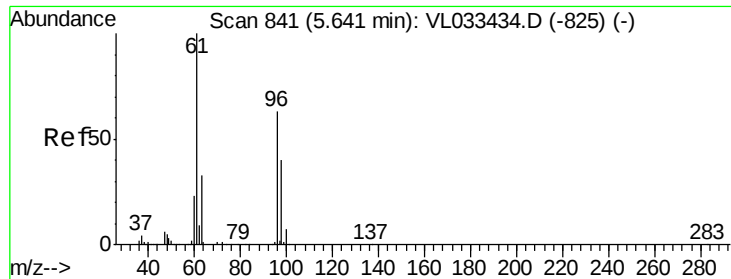
Tot Ion: 83 Resp: 111359
Ion Ratio Lower Upper
83 100
85 67.6 52.6 79.0



#30
Cyclohexane
Concen: 0.442 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

Tgt Ion: 84 Resp: 28019
Ion Ratio Lower Upper
84 100
56 112.3 109.7 164.5
41 89.0 68.2 102.2



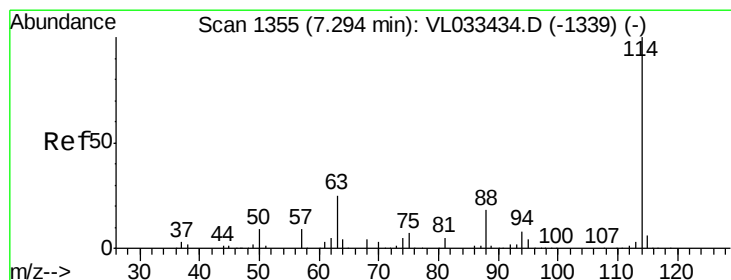
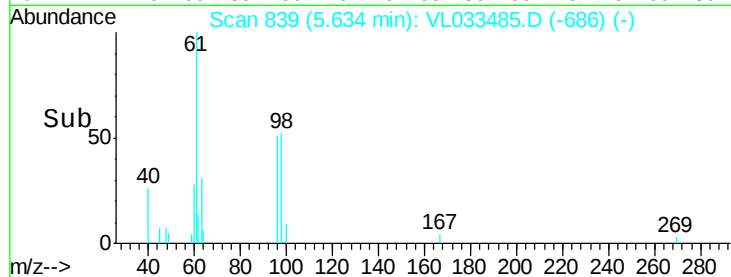
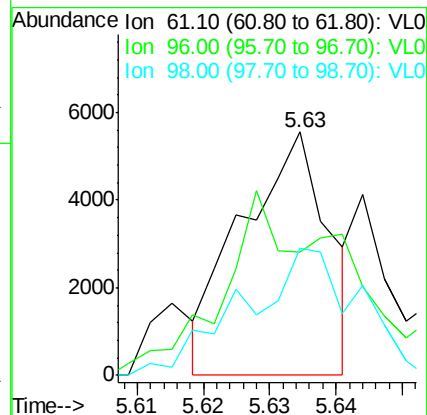
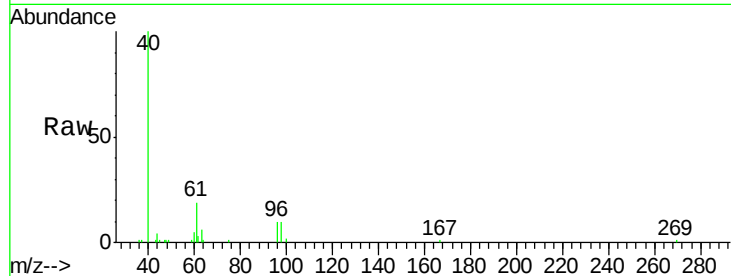


#31

cis-1,2-Dichloroethene
 Concen: 0.063 ppbv
 RT: 5.63 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

Instrument :
 MSVOA_L
 ClientSampled :

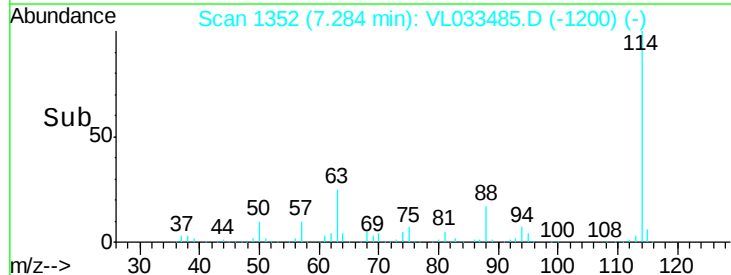
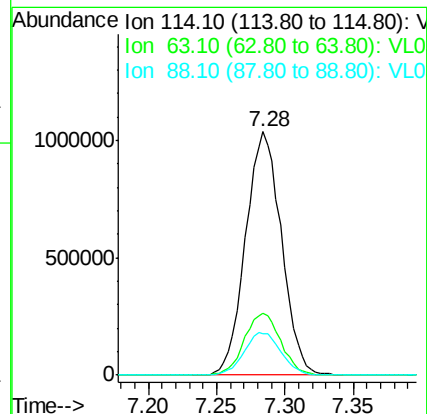
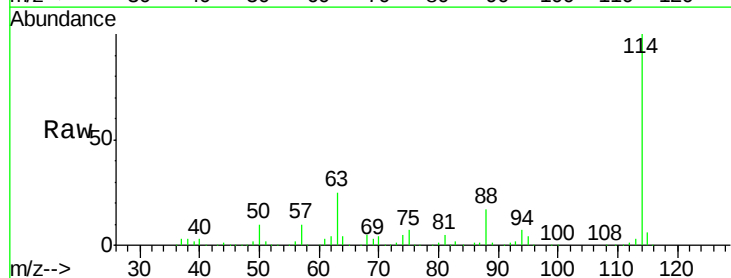
Tot Ion	61	Resp:	5050
Ion	Ratio	Lower	Upper
61	100		
96	28.0	50.6	76.0#
98	37.0	32.2	48.2

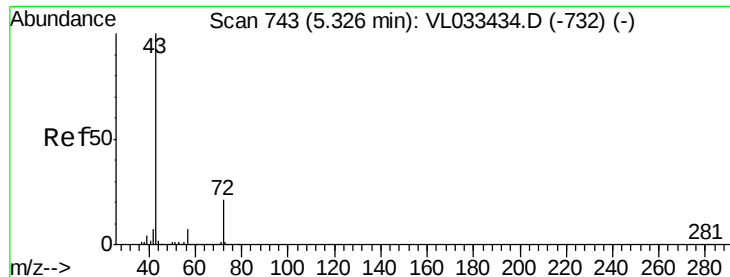


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

Tgt Ion	114	Resp:	1892796
Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.5	32.3
88	17.9	14.5	21.7

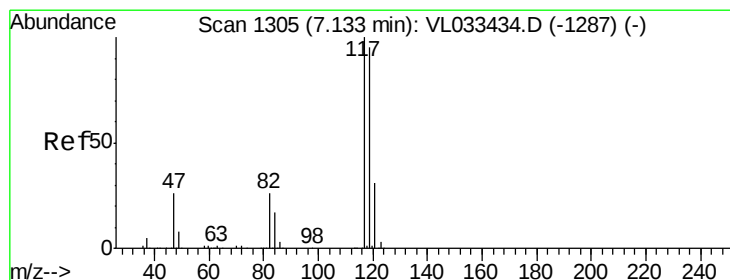
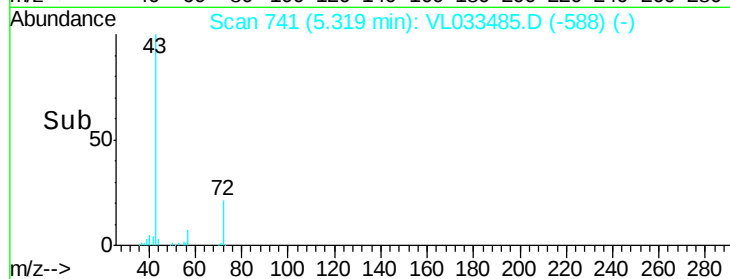
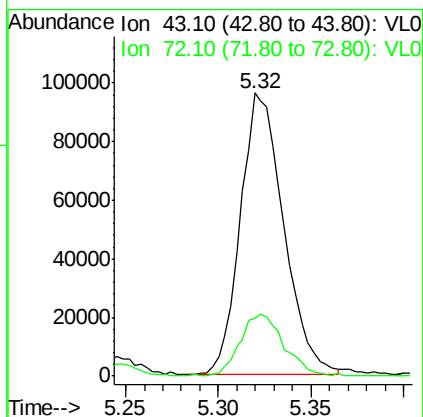
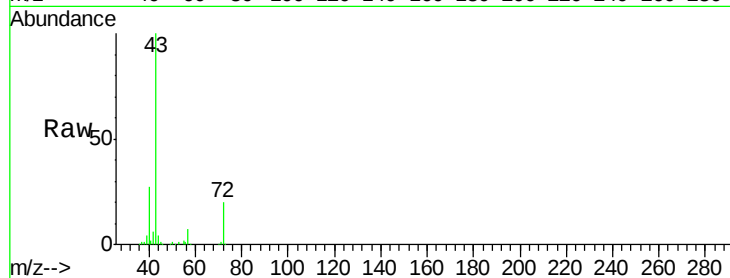




#34
2-Butanone
Concen: 1.378 ppbv
RT: 5.32 min Scan# 741
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

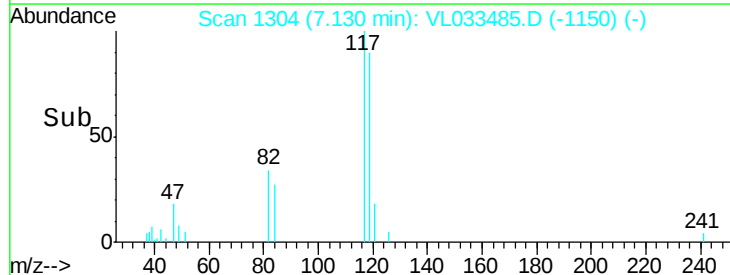
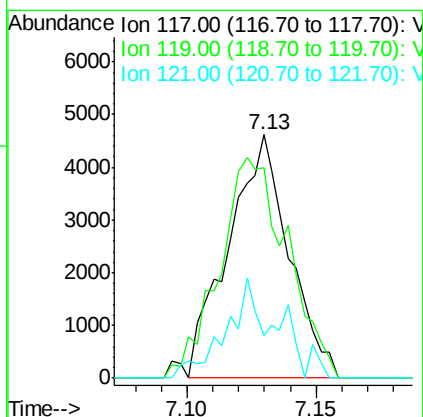
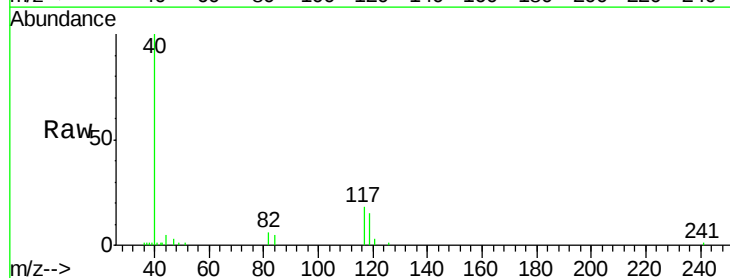
Instrument :
MSVOA_L
ClientSampled :

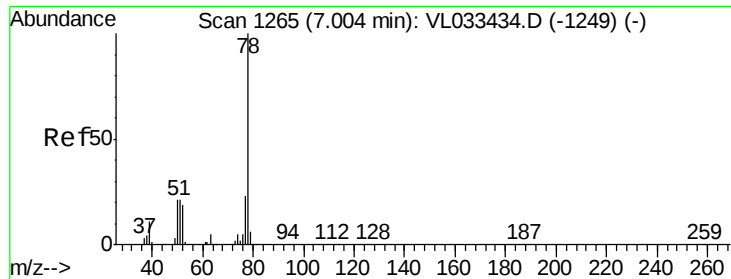
Tot Ion: 43 Resp: 156691
Ion Ratio Lower Upper
43 100
72 22.5 17.4 26.2



#35
Carbon Tetrachloride
Concen: 0.057 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

Tgt Ion: 117 Resp: 7578
Ion Ratio Lower Upper
117 100
119 86.2 75.8 113.8
121 17.5 24.7 37.1#





#36

Benzene

Concen: 0.044 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

ClientSampled :

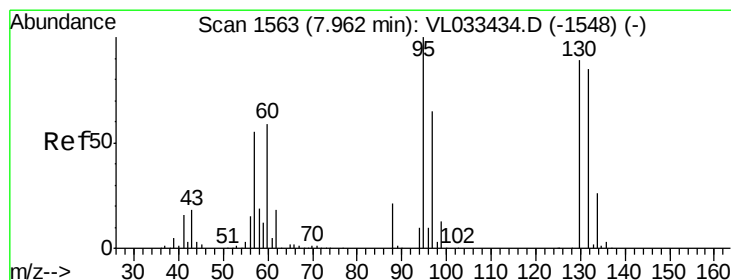
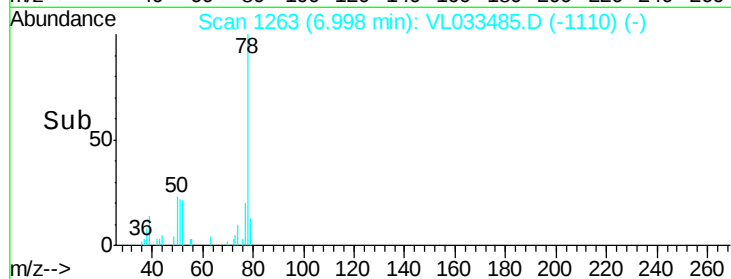
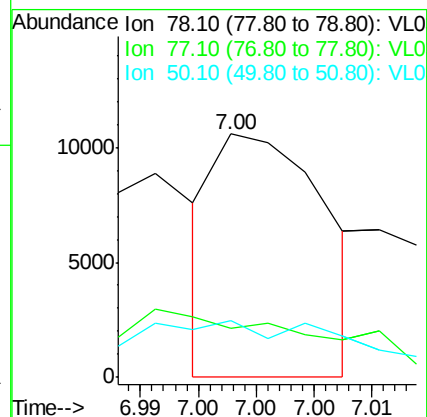
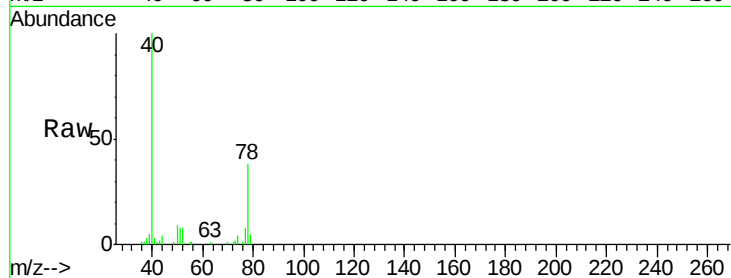
Tot Ion: 78 Resp: 6974

Ion Ratio Lower Upper

78 100

77 11.2 18.1 27.1#

50 15.0 16.7 25.1#



#38

Trichloroethene

Concen: 0.085 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Tgt Ion:130 Resp: 5104

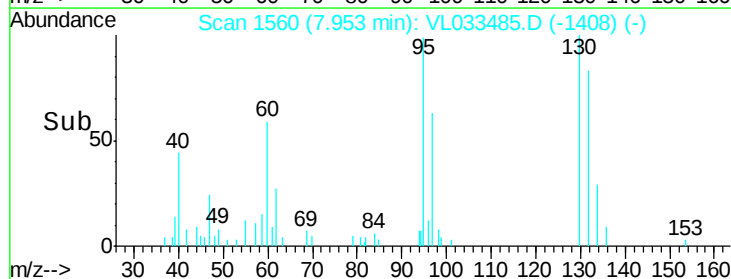
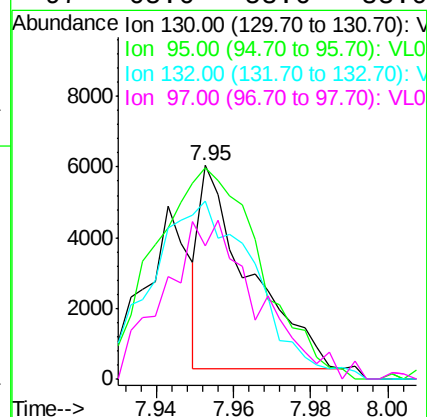
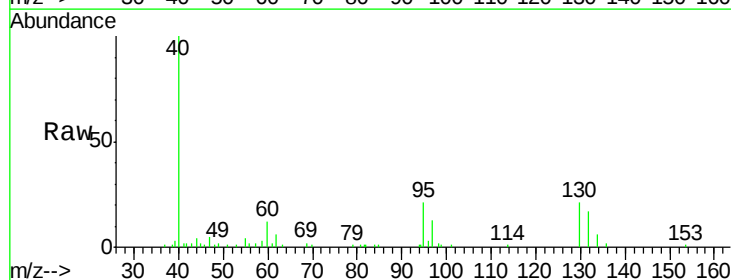
Ion Ratio Lower Upper

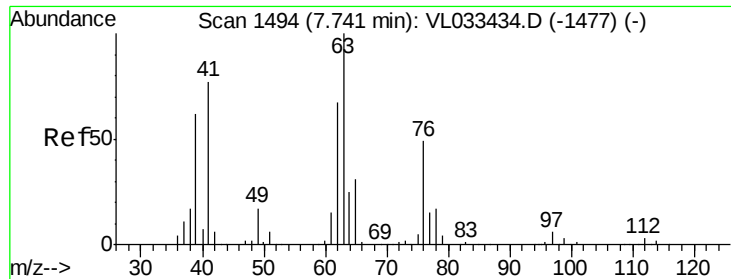
130 100

95 99.0 89.8 134.8

132 81.5 76.6 115.0

97 65.6 58.6 88.0

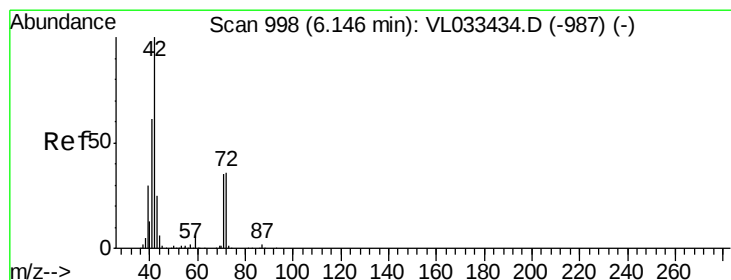
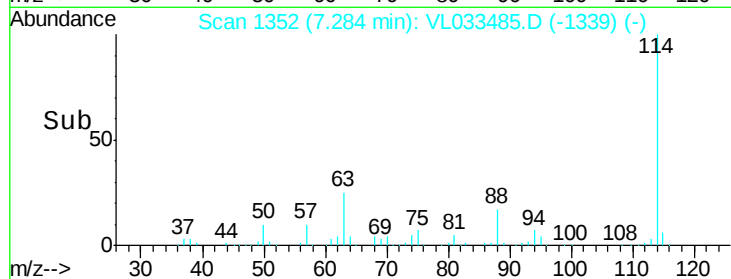
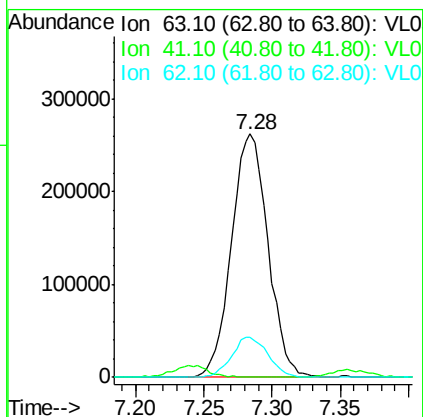
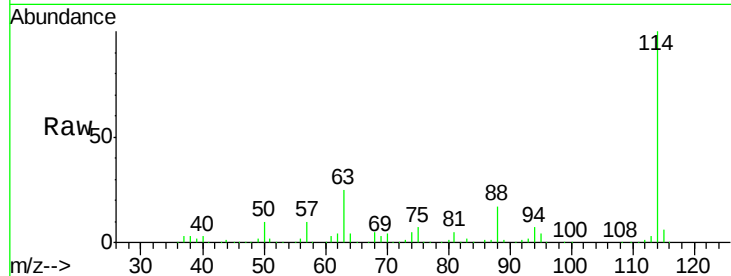




#39
 1,2-Dichloropropane
 Concen: 7.765 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

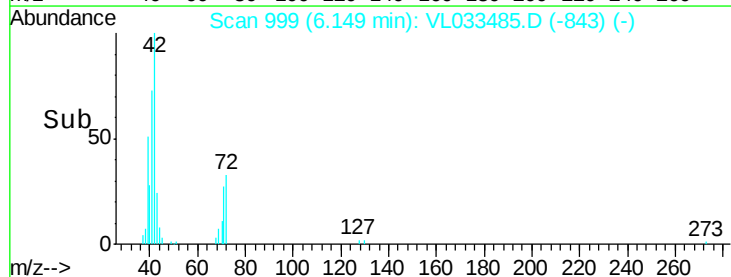
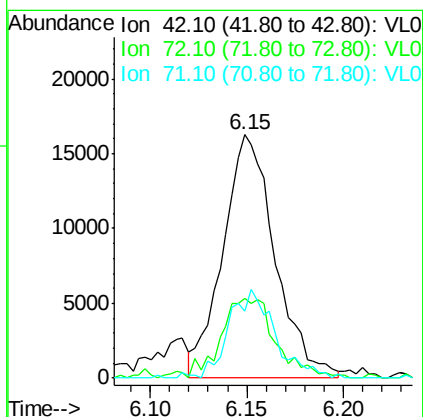
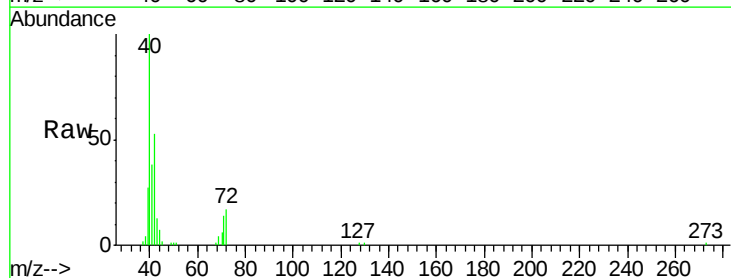
Instrument :
 MSVOA_L
 ClientSampleId :

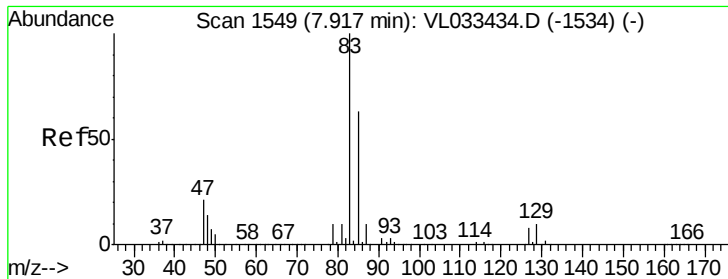
Tot Ion: 63 Resp: 483088
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 16.8 54.0 81.0#



#41
 Tetrahydrofuran
 Concen: 0.487 ppbv
 RT: 6.15 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VL033485.D
 Acq: 28 Mar 2019 2:12

Tgt Ion: 42 Resp: 30434
 Ion Ratio Lower Upper
 42 100
 72 36.5 30.2 45.2
 71 32.5 29.4 44.2





#42

Bromodichloromethane

Concen: 0.020 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

ClientSampled :

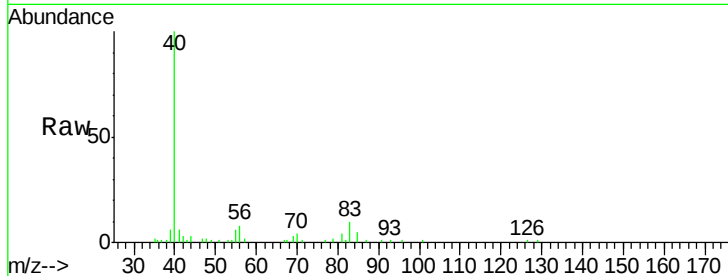
Tot Ion: 83 Resp: 2943

Ion Ratio Lower Upper

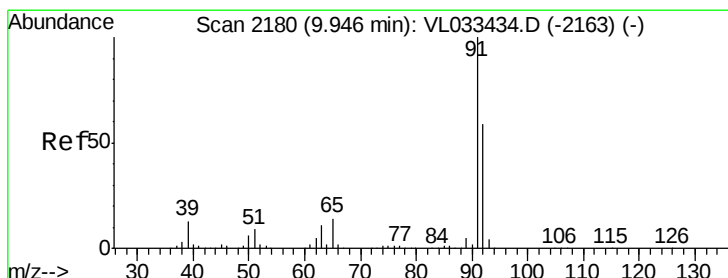
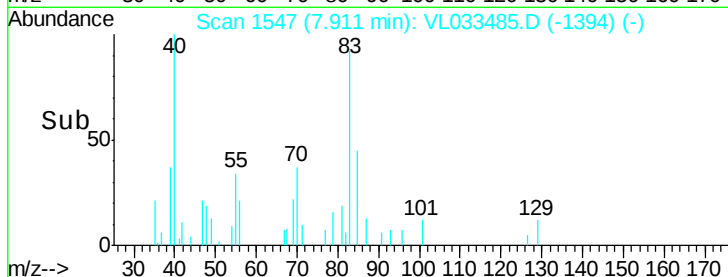
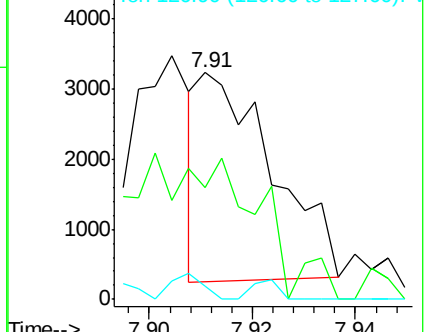
83 100

85 57.4 50.7 76.1

127 6.9 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): VL0



#53

Toluene

Concen: 0.850 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033485.D

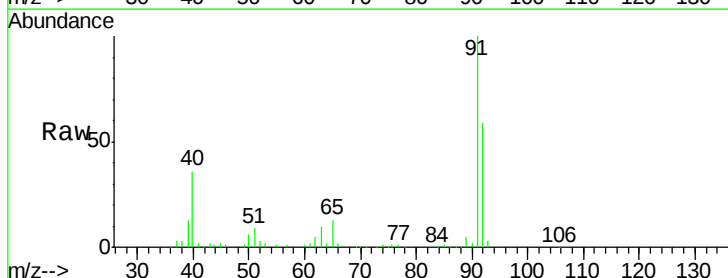
Acq: 28 Mar 2019 2:12

Tgt Ion: 91 Resp: 156859

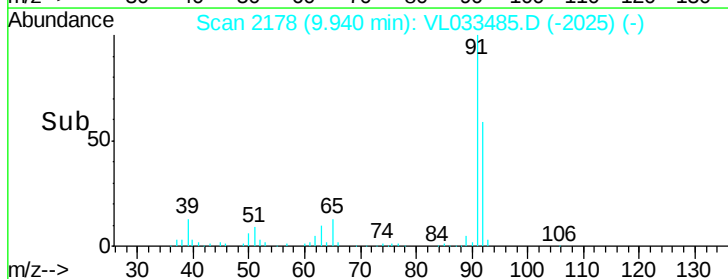
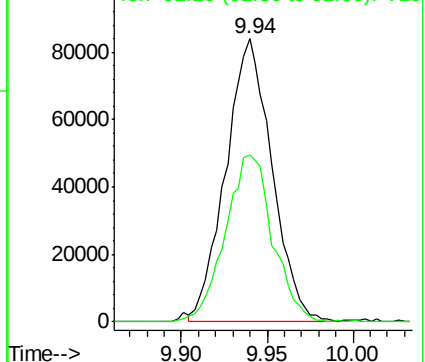
Ion Ratio Lower Upper

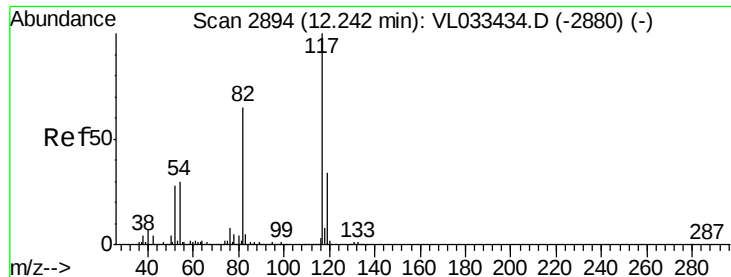
91 100

92 60.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

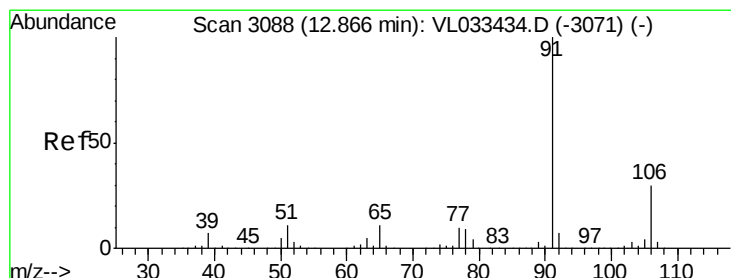
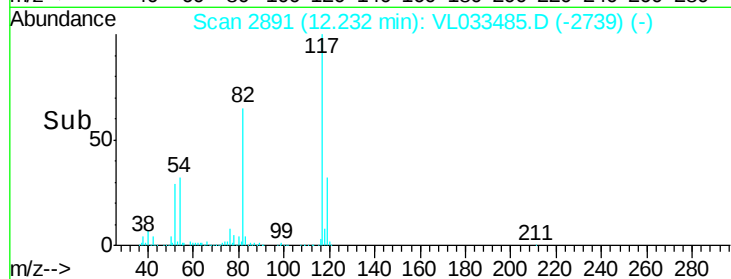
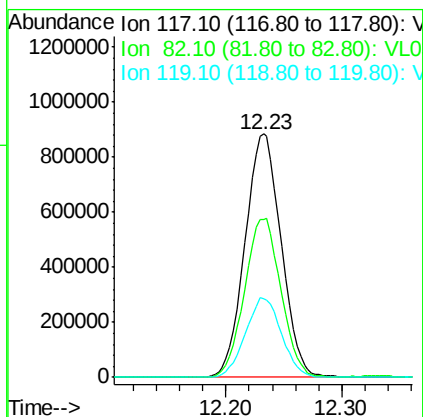
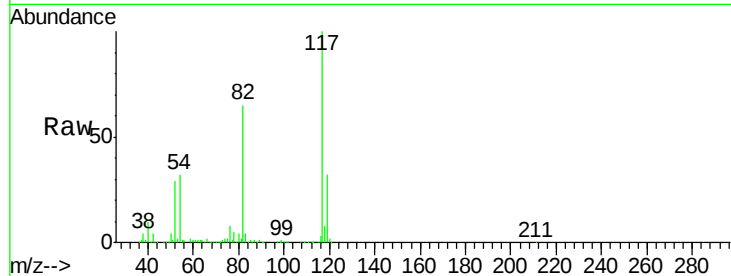




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

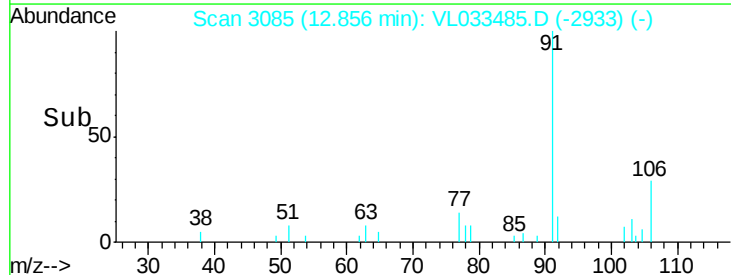
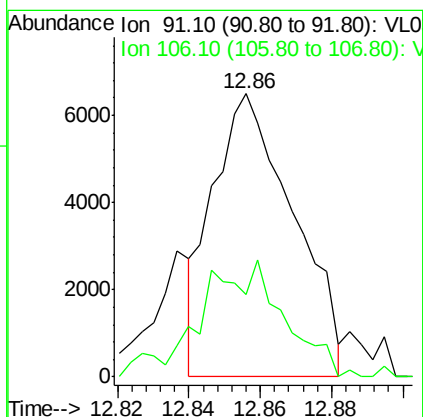
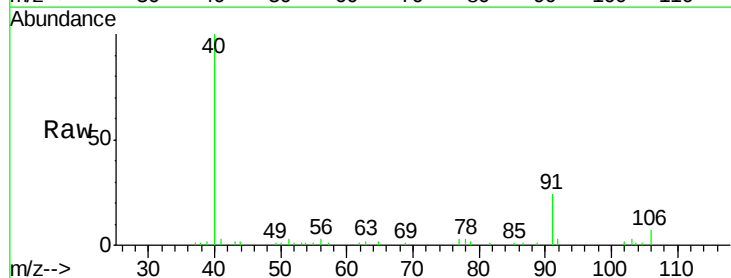
Instrument :
MSVOA_L
ClientSampleId :

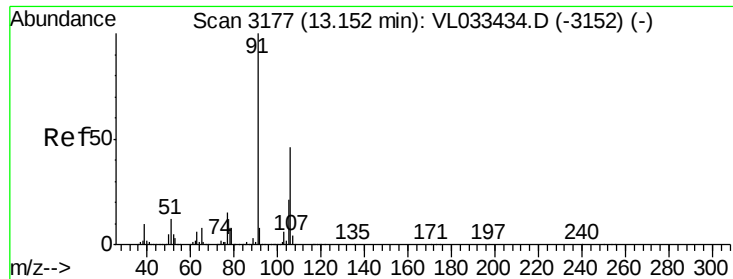
Tot Ion:117 Resp: 1922198
Ion Ratio Lower Upper
117 100
82 65.6 51.5 77.3
119 32.6 25.5 38.3



#58
Ethyl Benzene
Concen: 0.040 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033485.D
Acq: 28 Mar 2019 2:12

Tgt Ion: 91 Resp: 10176
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.6





#59

m/p-Xylene

Concen: 0.028 ppbv

RT: 13.14 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

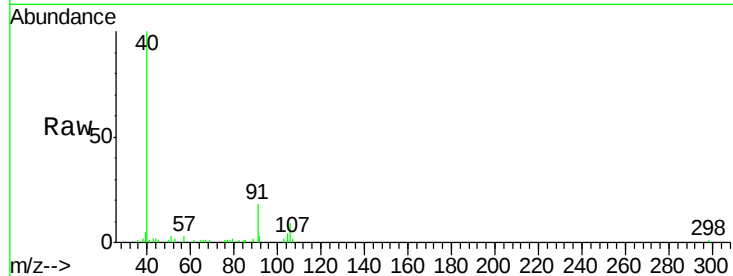
ClientSampled :

Tot Ion: 91 Resp: 6465

Ion Ratio Lower Upper

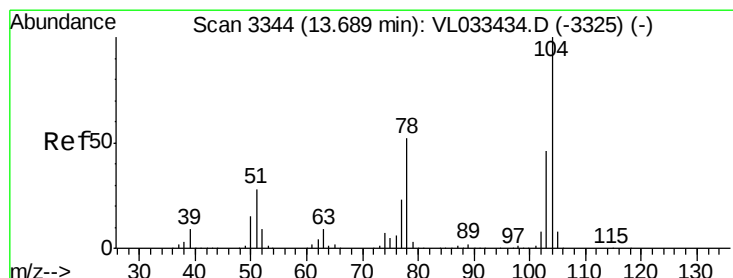
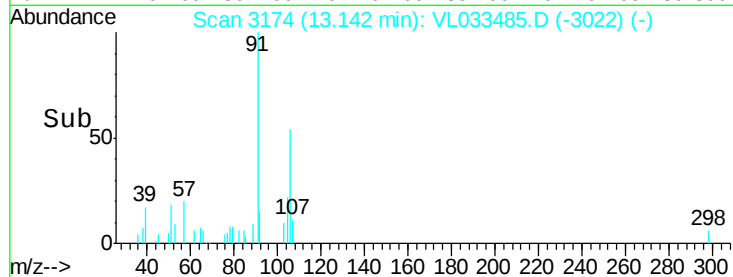
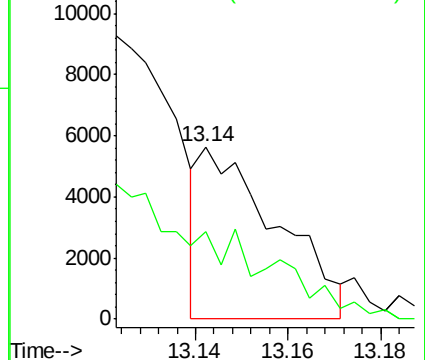
91 100

106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.024 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

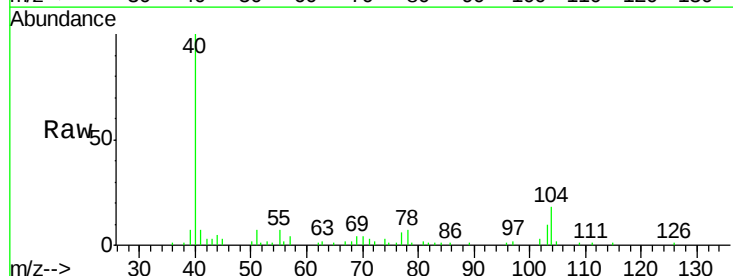
Tgt Ion: 104 Resp: 3648

Ion Ratio Lower Upper

104 100

78 0.0 43.2 64.8#

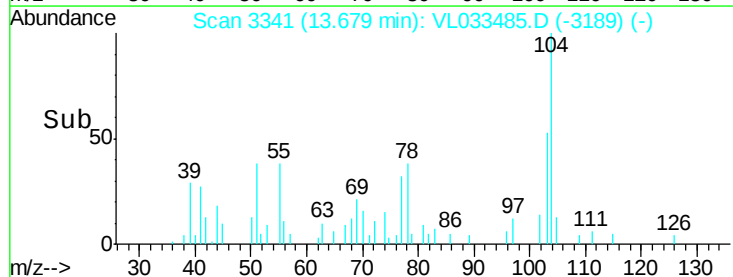
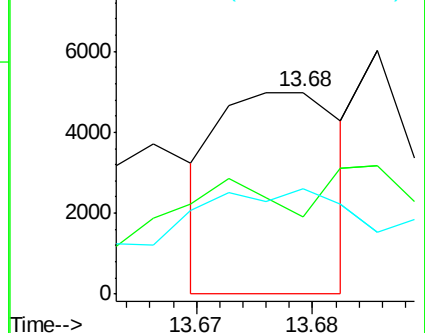
103 145.1 37.8 56.8#

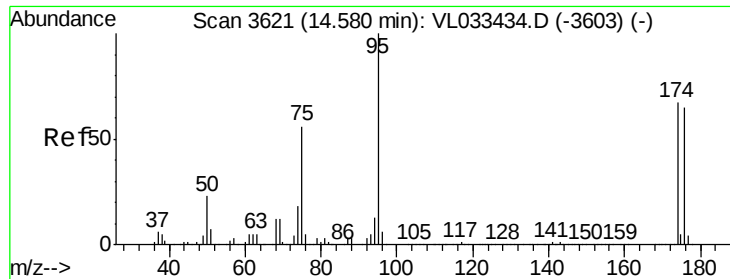


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.890 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Instrument :

MSVOA_L

ClientSampled :

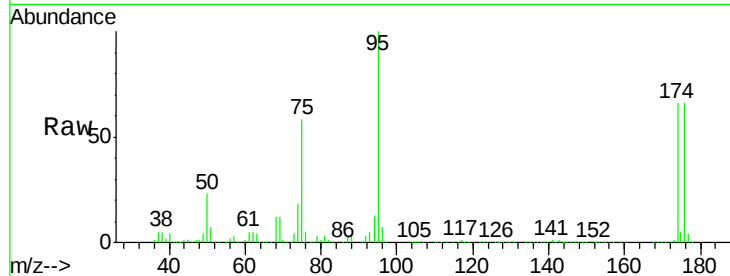
Tot Ion: 95 Resp: 1490372

Ion Ratio Lower Upper

95 100

174 67.1 52.9 79.3

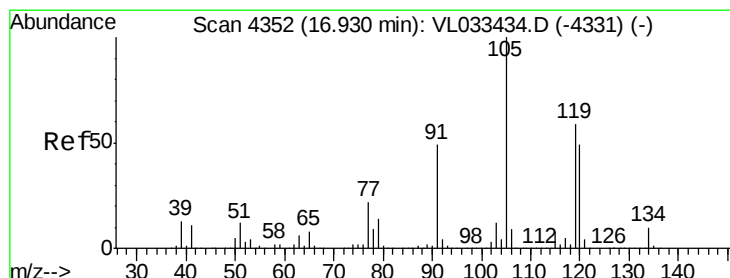
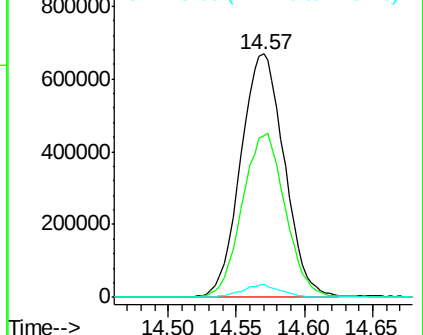
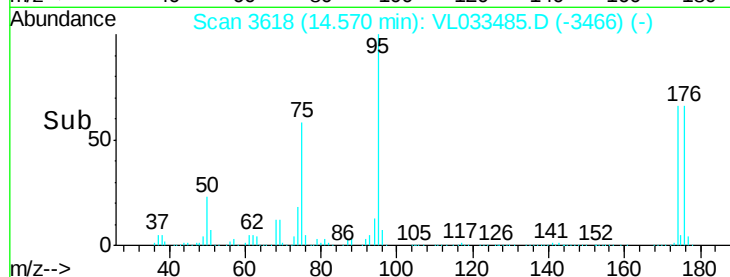
175 4.7 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.030 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.02 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Tgt Ion: 105 Resp: 7693

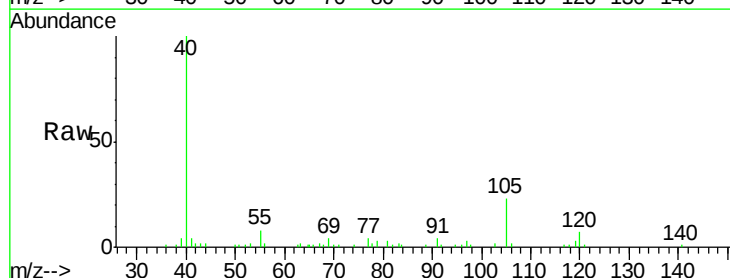
Ion Ratio Lower Upper

105 100

120 34.9 39.0 58.6#

91 21.6 40.0 60.0#

77 24.6 17.5 26.3

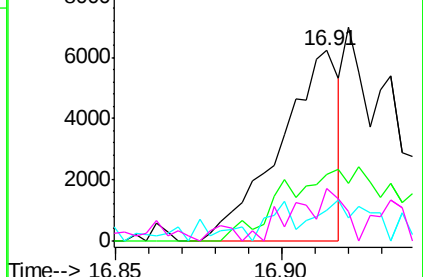
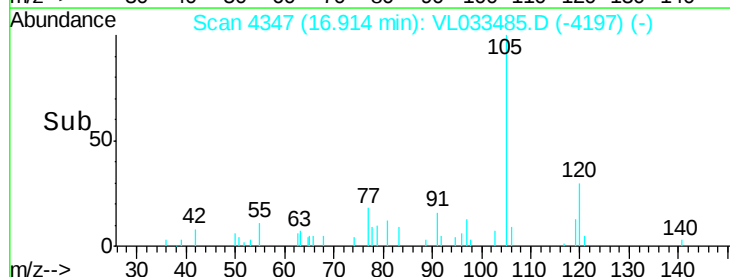


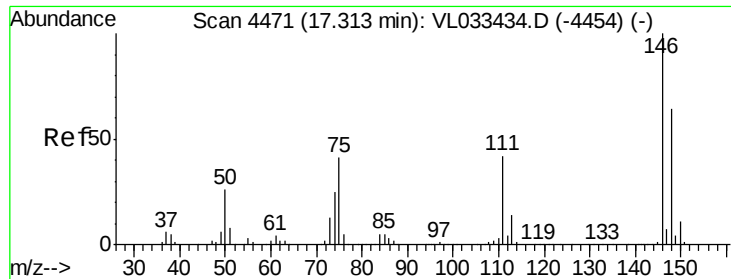
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#76

1,4-Dichlorobenzene

Concen: 0.028 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

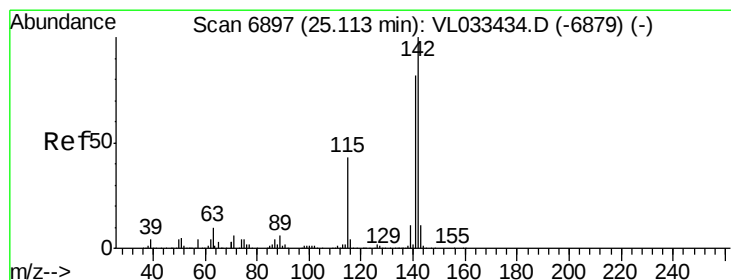
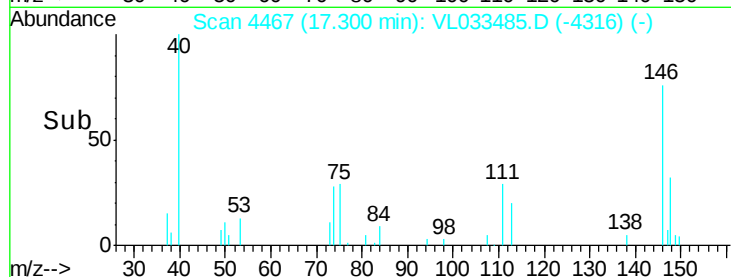
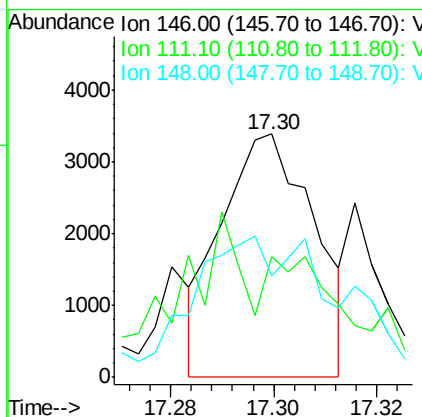
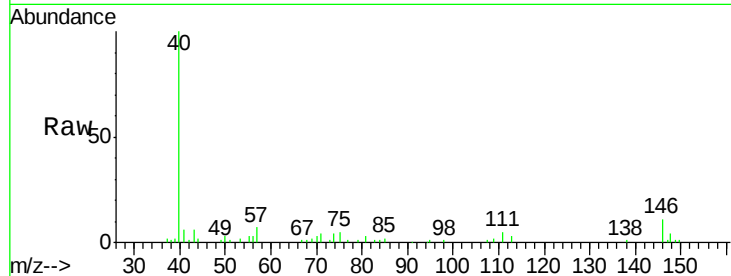
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:146 Resp: 4235

Ion	Ratio	Lower	Upper
146	100		
111	100.9	21.7	65.1#
148	93.0	32.0	96.2



#80

Naphthalene, 2-methyl-

Concen: 0.033 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.01 min

Lab File: VL033485.D

Acq: 28 Mar 2019 2:12

Tgt Ion:142 Resp: 2387

Ion	Ratio	Lower	Upper
142	100		
141	101.1	66.6	99.8#
115	63.5	34.4	51.6#

