

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033517.D
 Acq On : 30 Mar 2019 00:56
 Operator : SY/AP
 Sample : K2042-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 03:31:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	5.76	49	816874	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1974127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1943224	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1471585	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	27793	0.23	ppbv	97
3) Chlorodifluoromethane	2.99	51	11035511	117.34	ppbv #	57
4) Chloromethane	3.17	50	12784	0.26	ppbv	91
6) Bromomethane	3.51	94	1369	0.04	ppbv #	81
7) Chloroethane	3.60	64	3201	0.18	ppbv	90
9) Propene	3.04	41	50844	1.29	ppbv #	82
10) Heptane	8.25	43	15892	0.15	ppbv #	37
11) Trichlorofluoromethane	4.00	101	41095	0.28	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	9210	0.09	ppbv	99
13) Ethanol	3.66	45	4353963	426.03	ppbv	65
15) Acetone	3.90	43	1272118	12.95	ppbv	98
16) 1,3-Butadiene	3.34	39	25991	0.67	ppbv #	28
17) tert-Butyl alcohol	4.37	59	12455	0.69	ppbv #	73
19) Isopropyl Alcohol	4.04	45	751855	12.10	ppbv #	98
20) Methylene Chloride	4.41	84	106359	2.55	ppbv	95
21) Allyl Chloride	4.37	41	13181	0.21	ppbv #	87
23) Vinyl Acetate	5.15	43	52865	0.38	ppbv #	58
25) Ethyl Acetate	5.78	43	121691	0.67	ppbv #	90
26) Hexane	5.78	57	128280	1.58	ppbv #	47
27) Carbon Disulfide	4.62	76	4784	0.05	ppbv #	54
29) Chloroform	5.84	83	14775	0.11	ppbv	93
30) Cyclohexane	7.25	84	3190	0.05	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	6516	0.08	ppbv #	73
34) 2-Butanone	5.33	43	98827	0.83	ppbv	99
35) Carbon Tetrachloride	7.13	117	5602	0.04	ppbv	89
36) Benzene	7.00	78	76216	0.46	ppbv	97
38) Trichloroethene	7.96	130	83748	1.34	ppbv	95
39) 1,2-Dichloropropane	7.29	63	521243	8.03	ppbv #	24
44) 2,2,4-Trimethylpentane	7.98	57	25617	0.09	ppbv #	10
53) Toluene	9.94	91	1142873	5.94	ppbv	100
58) Ethyl Benzene	12.86	91	18717	0.07	ppbv	93
59) m/p-Xylene	13.15	91	21276	0.09	ppbv #	100
60) o-Xylene	13.85	91	11817	0.05	ppbv #	1
65) tert-Butylbenzene	17.13	119	379521	1.36	ppbv #	20
67) sec-Butylbenzene	17.13	105	58372	0.15	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	13311	0.05	ppbv #	79
81) 1,2,4-Trichlorobenzene	21.66	180	25378	0.21	ppbv #	13

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :
MSVOA_L
ClientSampleId :

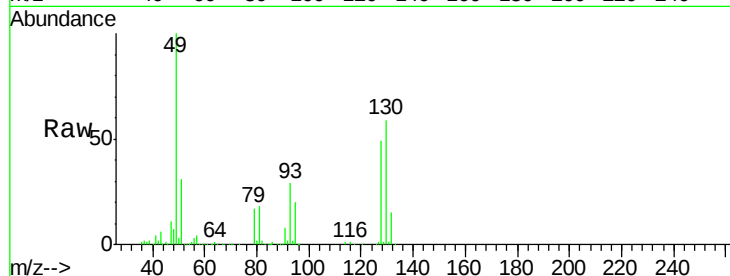
Tot Ion: 49 Resp: 816874

Ion Ratio Lower Upper

49 100

128 48.6 24.0 72.0

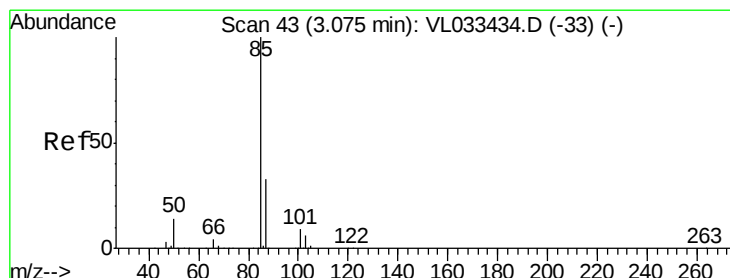
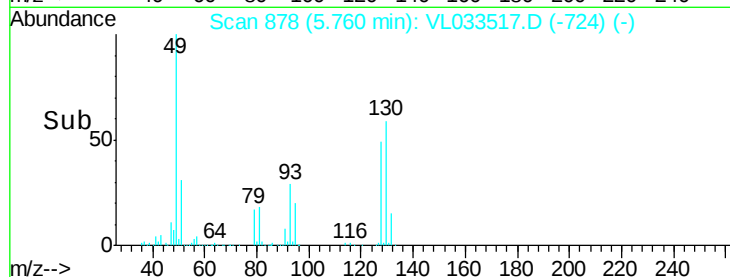
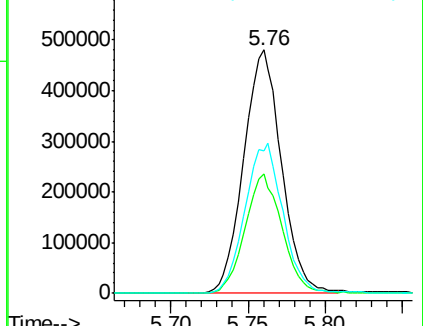
130 62.5 31.2 93.6



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



#2

Dichlorodifluoromethane

Concen: 0.23 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033517.D

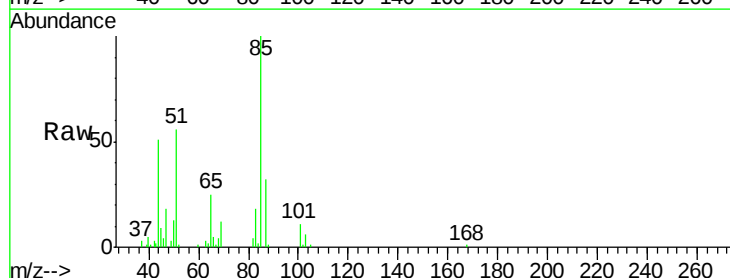
Acq: 30 Mar 2019 00:56

Tgt Ion: 85 Resp: 27793

Ion Ratio Lower Upper

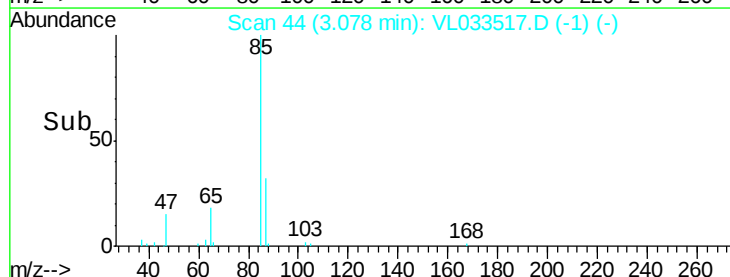
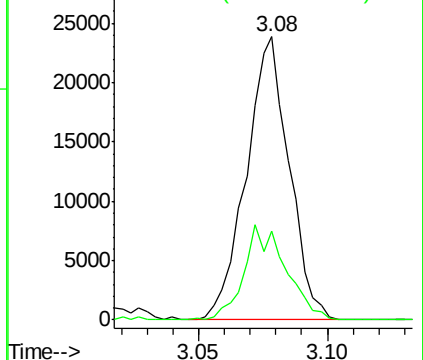
85 100

87 31.6 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: 117.34 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.03 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

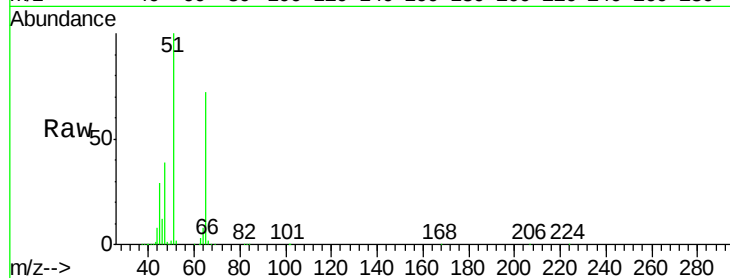
ClientSampleId :

Tot Ion: 51 Resp: 11035511

Ion Ratio Lower Upper

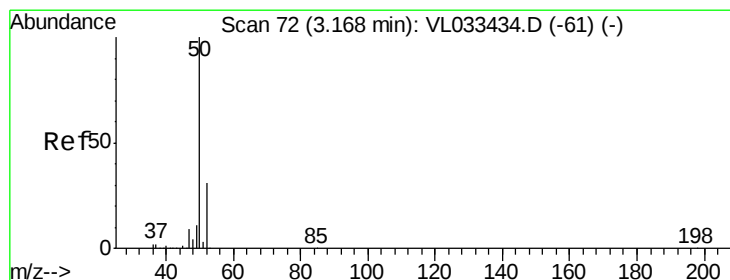
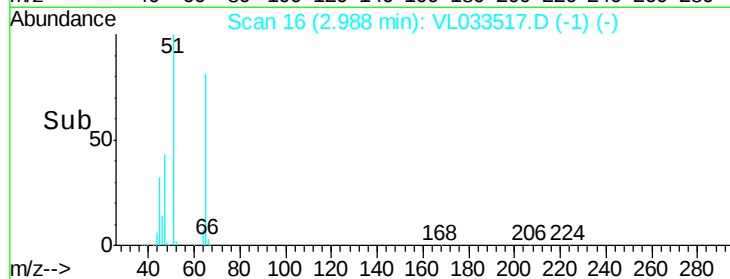
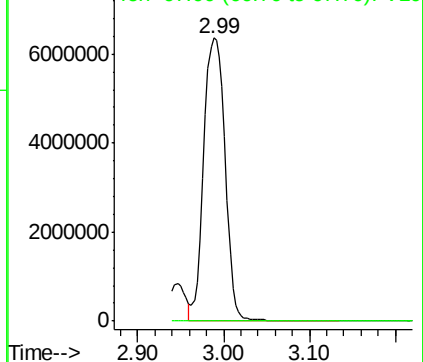
51 100

67 0.1 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.26 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033517.D

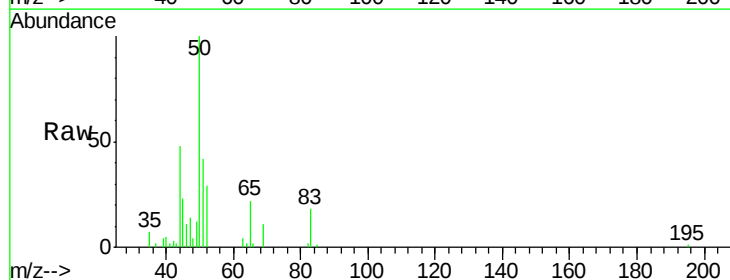
Acq: 30 Mar 2019 00:56

Tgt Ion: 50 Resp: 12784

Ion Ratio Lower Upper

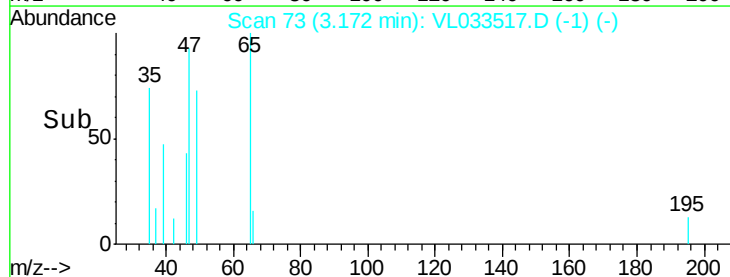
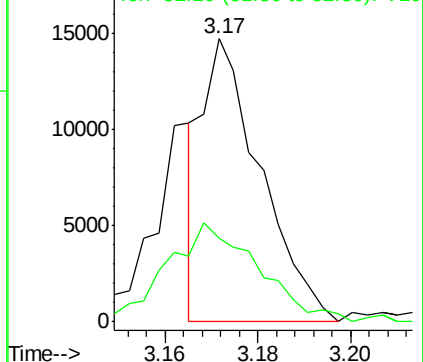
50 100

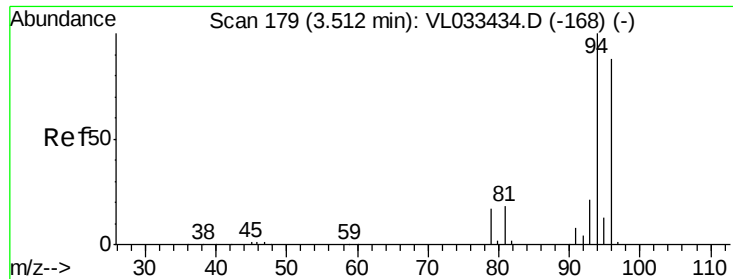
52 26.5 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

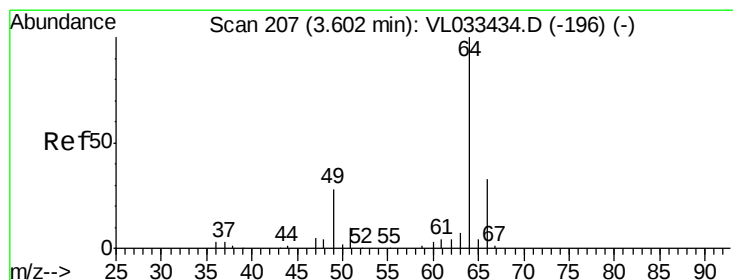
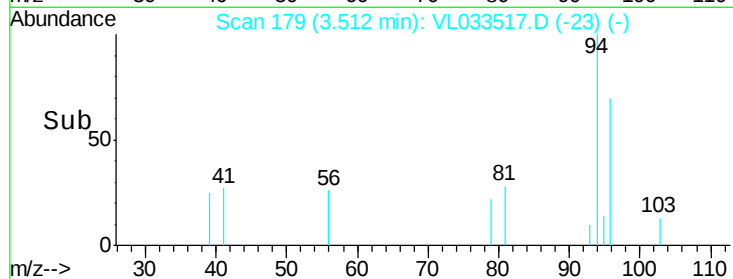
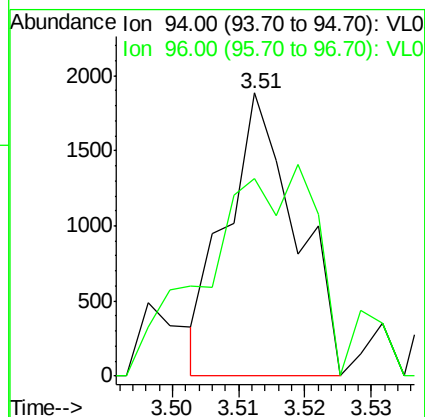
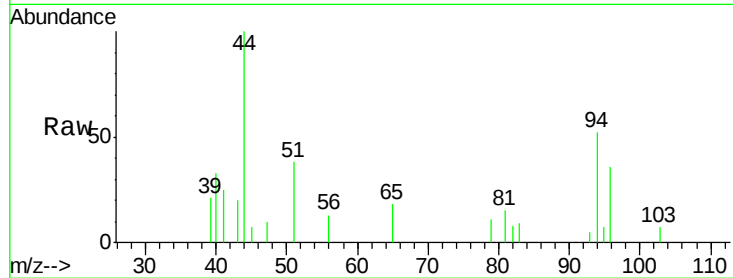




#6
Bromomethane
Concen: 0.04 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

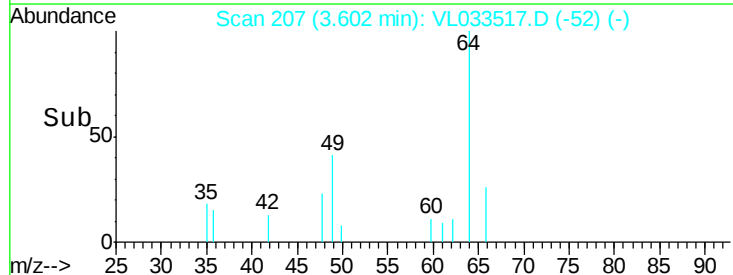
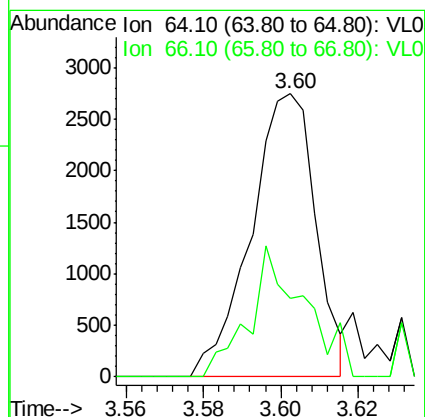
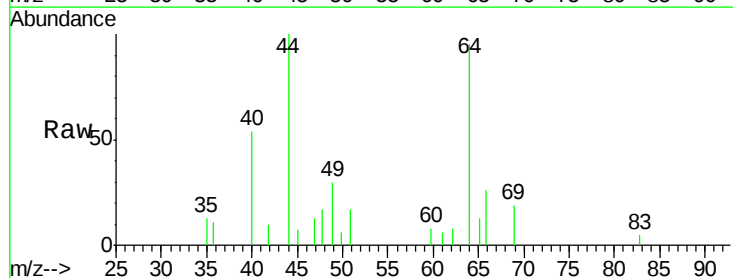
Instrument :
MSVOA_L
ClientSampleId :

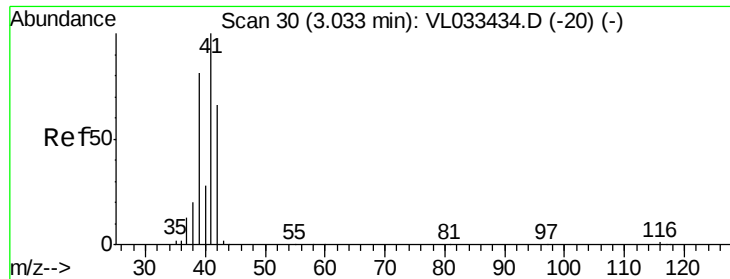
Tot Ion: 94 Resp: 1369
Ion Ratio Lower Upper
94 100
96 69.6 70.2 105.2#



#7
Chloroethane
Concen: 0.18 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

Tgt Ion: 64 Resp: 3201
Ion Ratio Lower Upper
64 100
66 28.0 26.7 40.1





#9

Propene

Concen: 1.29 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

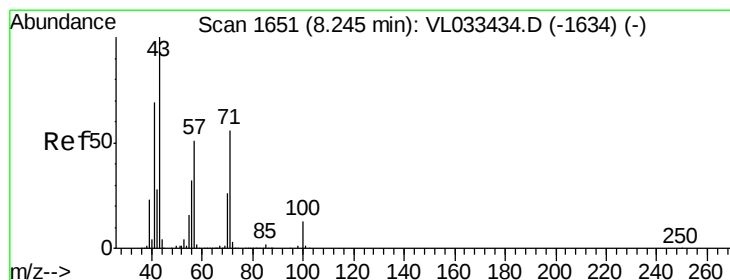
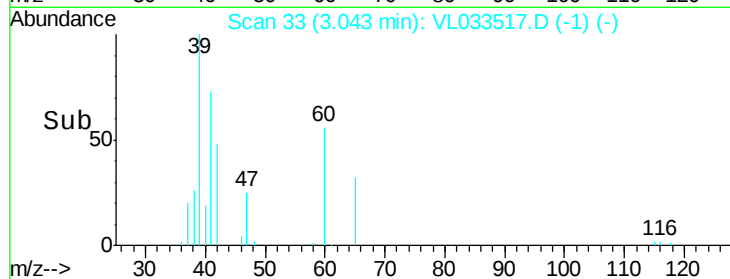
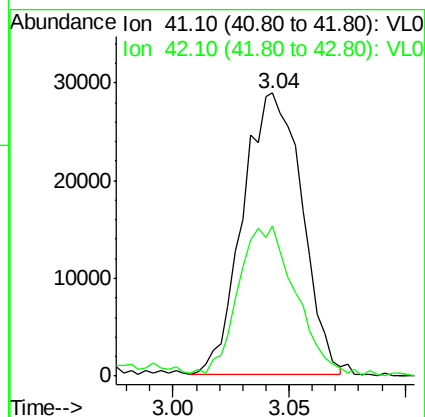
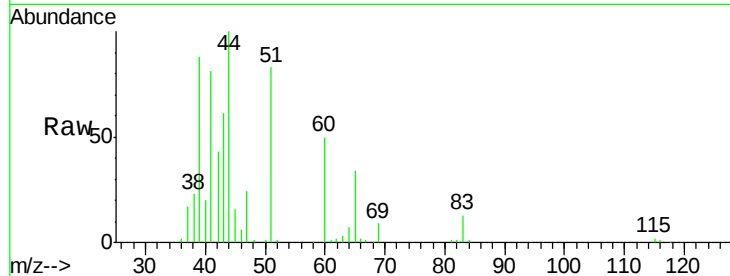
ClientSampleId :

Tot Ion: 41 Resp: 50844

Ion Ratio Lower Upper

41 100

42 52.9 53.9 80.9#



#10

Heptane

Concen: 0.15 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033517.D

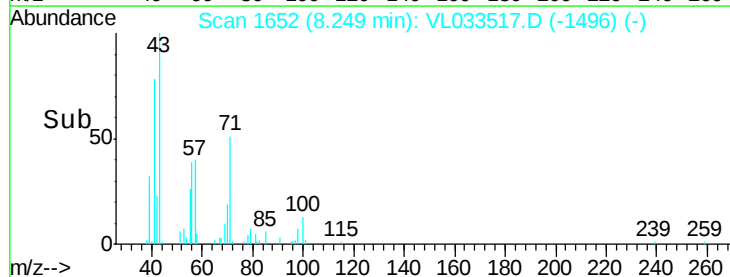
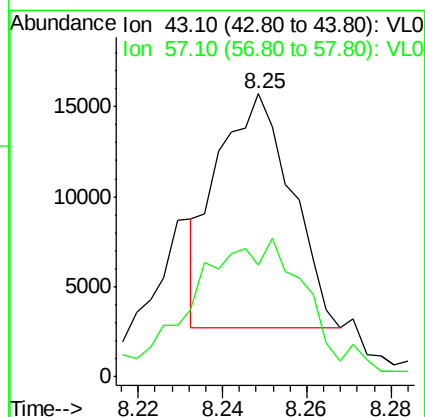
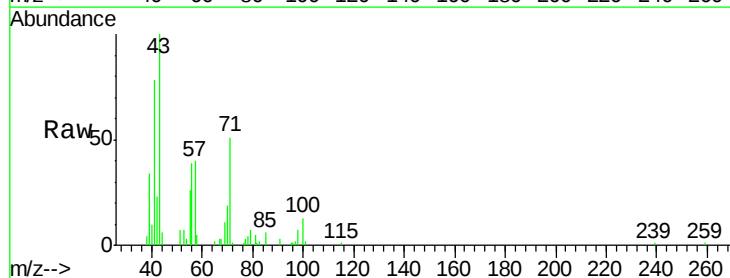
Acq: 30 Mar 2019 00:56

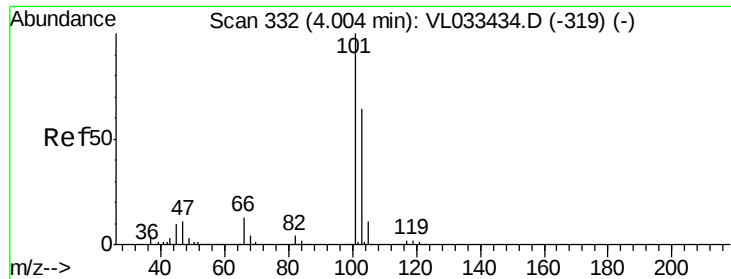
Tgt Ion: 43 Resp: 15892

Ion Ratio Lower Upper

43 100

57 94.5 40.6 60.8#

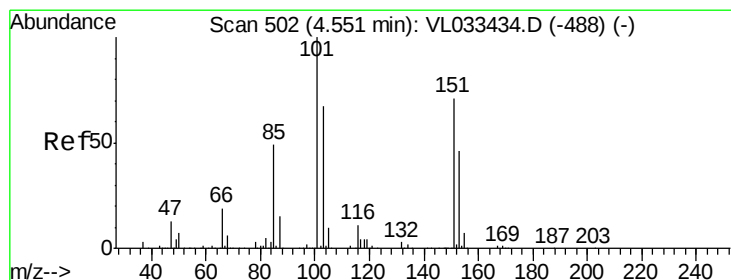
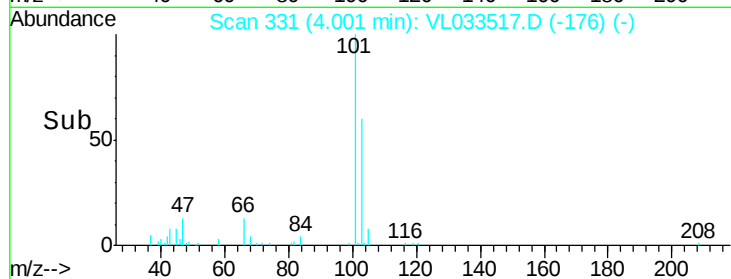
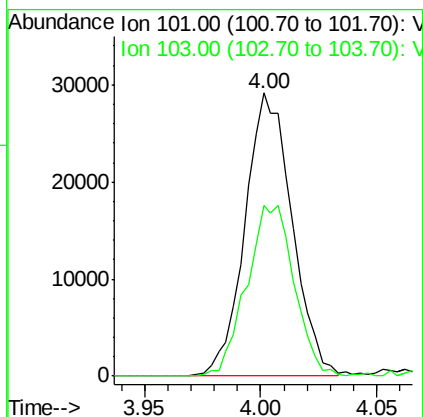
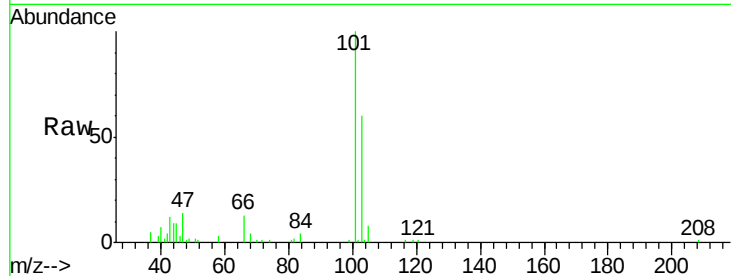




#11
 Trichlorofluoromethane
 Concen: 0.28 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

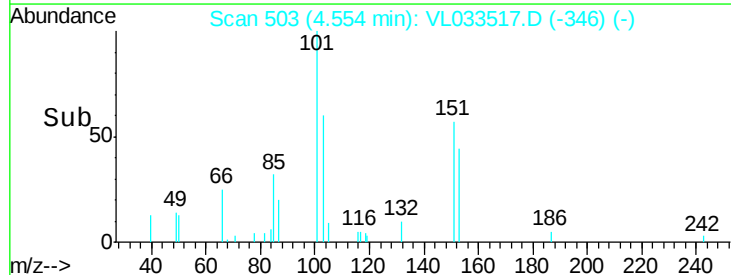
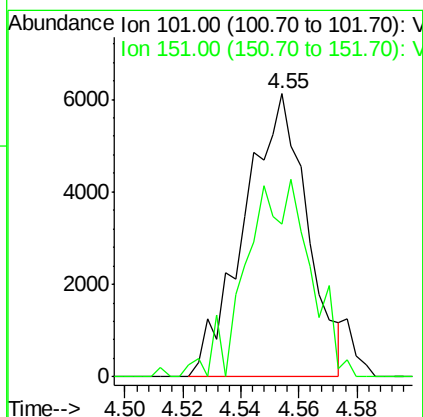
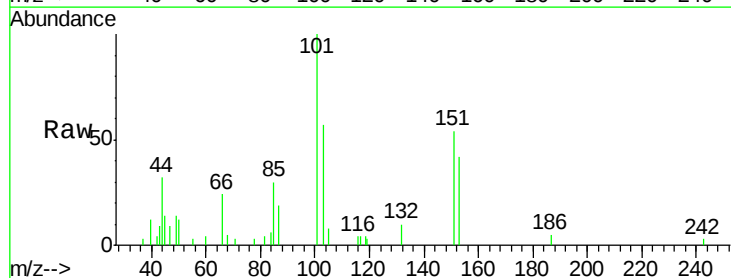
Instrument :
 MSVOA_L
 ClientSampleId :

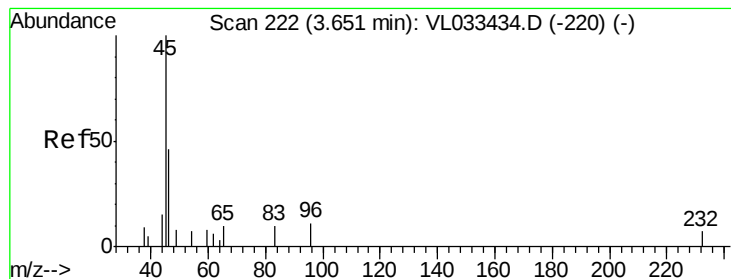
Tot Ion:101 Resp: 41095
 Ion Ratio Lower Upper
 101 100
 103 60.5 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.09 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

Tgt Ion:101 Resp: 9210
 Ion Ratio Lower Upper
 101 100
 151 70.9 57.7 86.5





#13

Ethanol

Concen: 426.03 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

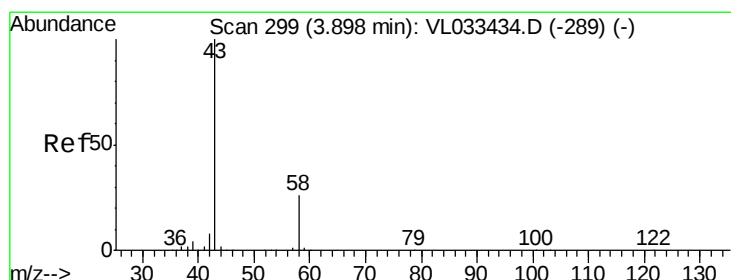
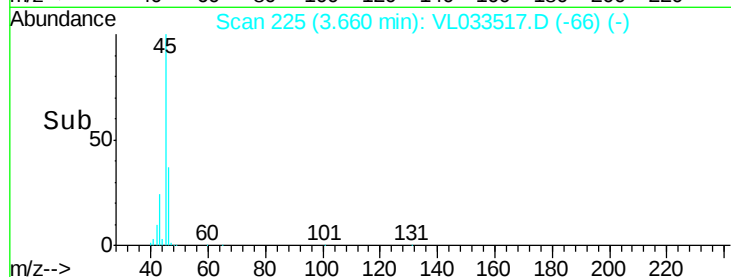
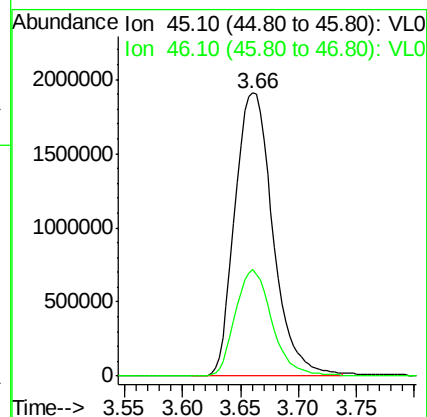
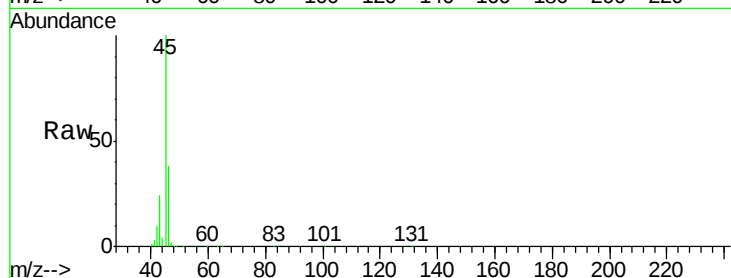
ClientSampleId :

Tot Ion: 45 Resp: 4353963

Ion Ratio Lower Upper

45 100

46 36.7 25.4 101.8



#15

Acetone

Concen: 12.95 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033517.D

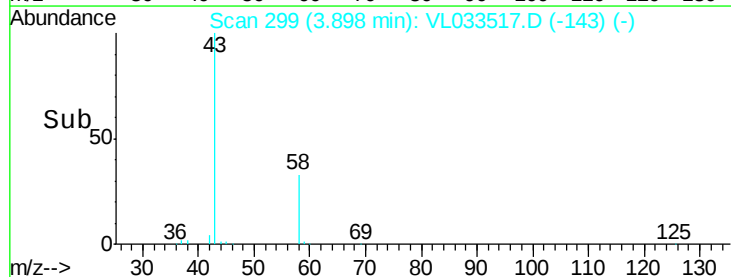
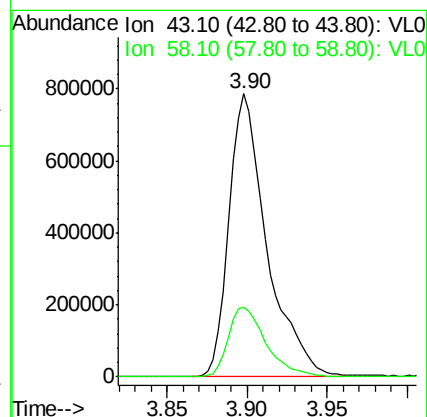
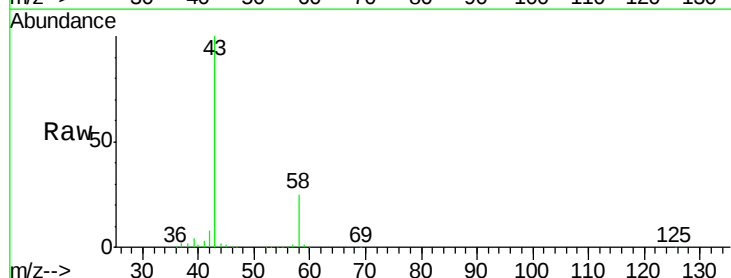
Acq: 30 Mar 2019 00:56

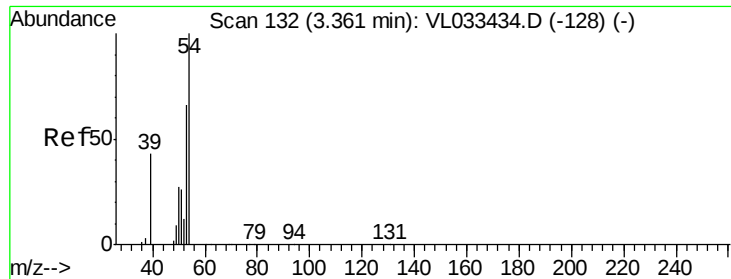
Tgt Ion: 43 Resp: 1272118

Ion Ratio Lower Upper

43 100

58 24.7 20.5 30.7

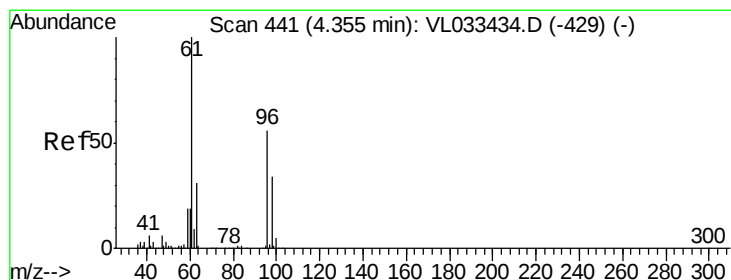
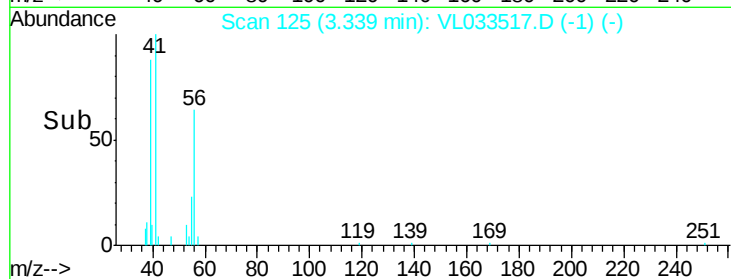
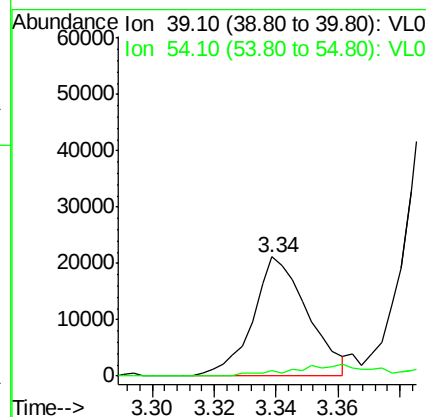
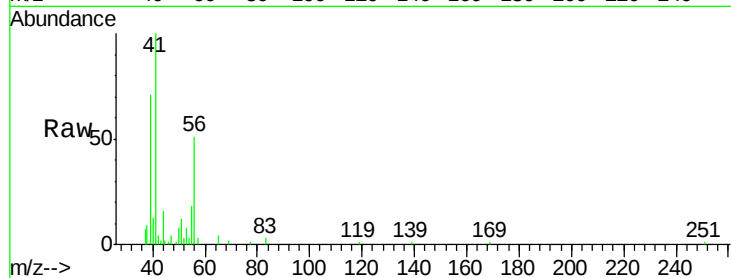




#16
 1,3-Butadiene
 Concen: 0.67 ppbv
 RT: 3.34 min Scan# 125
 Delta R.T. -0.02 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

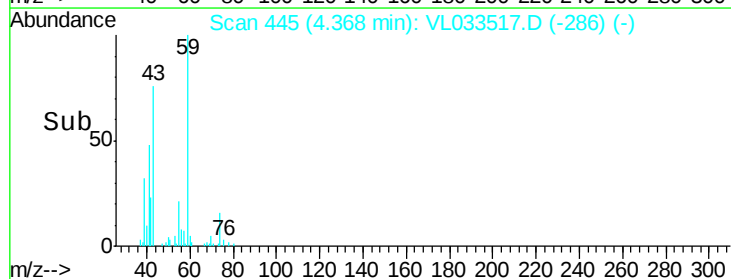
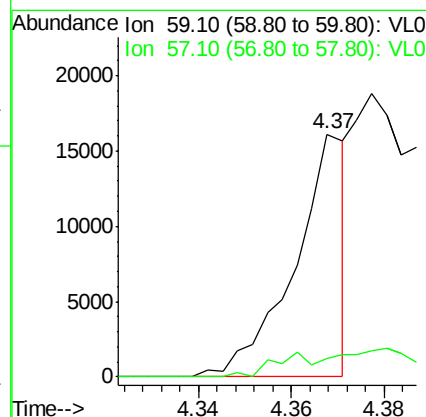
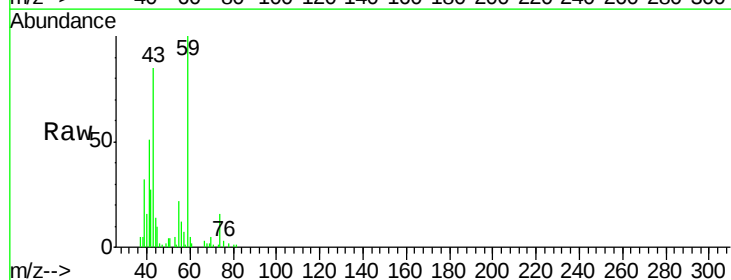
Instrument :
 MSVOA_L
 ClientSampleId :

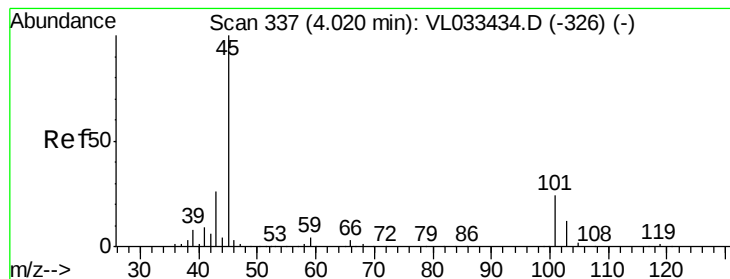
Tot Ion: 39 Resp: 25991
 Ion Ratio Lower Upper
 39 100
 54 20.1 69.4 104.2#



#17
 tert-Butyl alcohol
 Concen: 0.69 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

Tgt Ion: 59 Resp: 12455
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 12.10 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

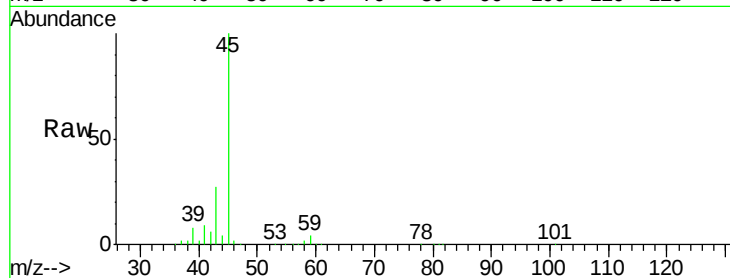
ClientSampleId :

Tot Ion: 45 Resp: 751855

Ion Ratio Lower Upper

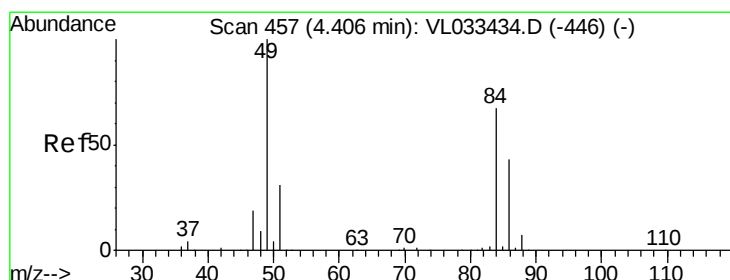
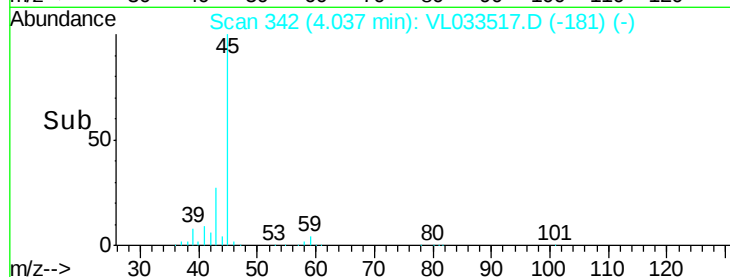
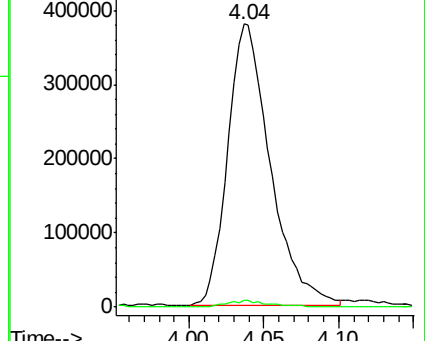
45 100

58 2.5 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.55 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Tgt Ion: 84 Resp: 106359

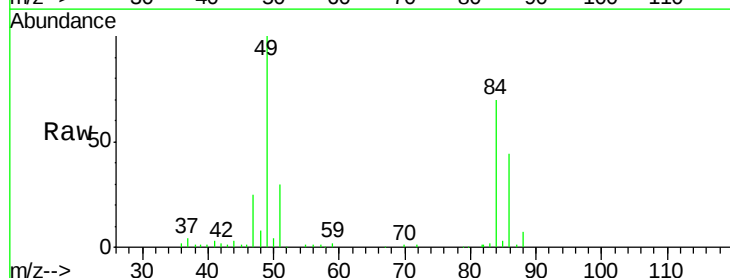
Ion Ratio Lower Upper

84 100

49 142.6 120.0 180.0

51 41.9 36.7 55.1

86 62.5 51.9 77.9

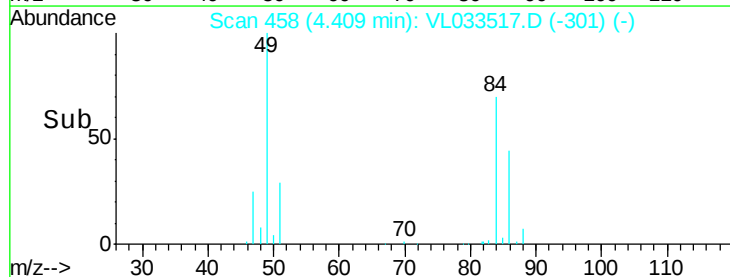
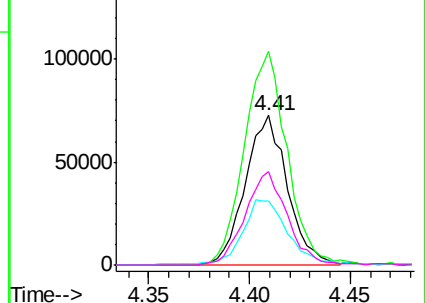


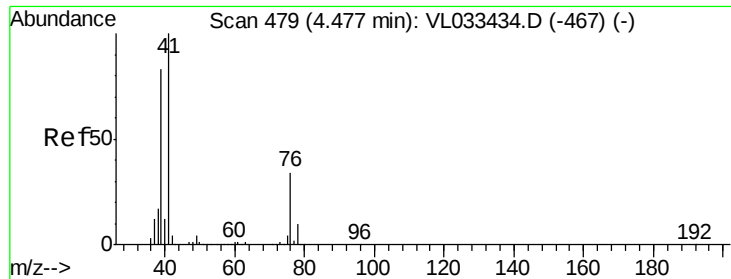
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 0.21 ppbv

RT: 4.37 min Scan# 447

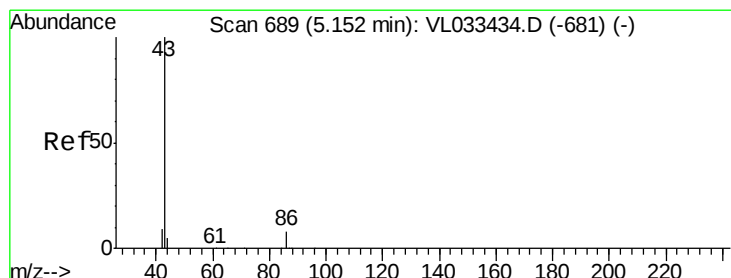
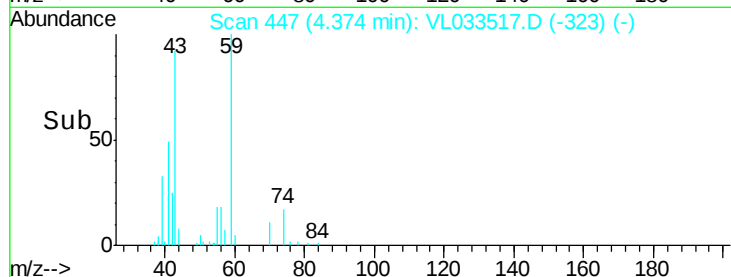
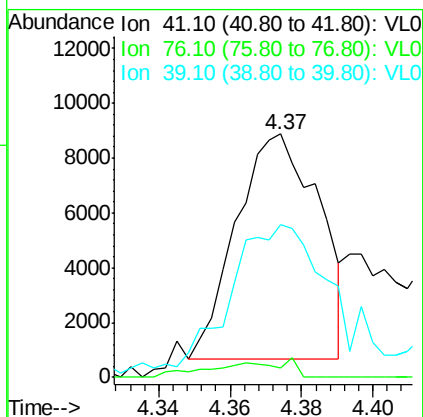
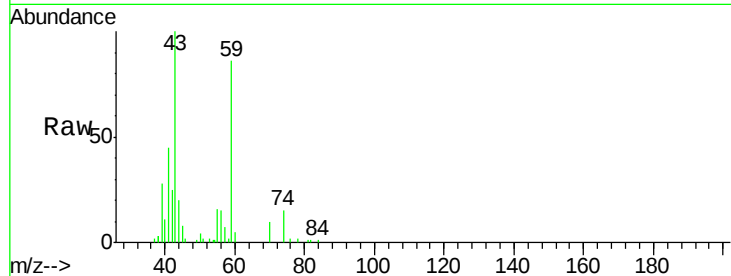
Delta R.T. -0.10 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	41	Resp:	13181
Ion	Ratio	Lower	Upper
41	100		
76	6.6	25.4	38.2#
39	82.2	65.3	97.9



#23

Vinyl Acetate

Concen: 0.38 ppbv

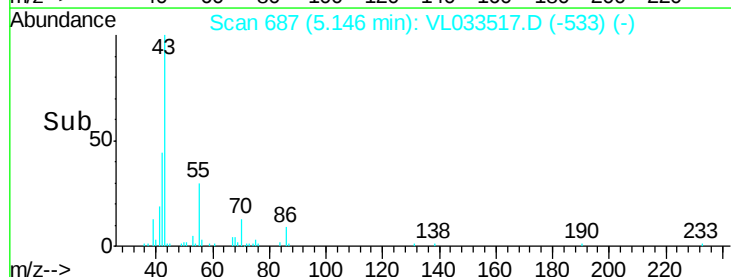
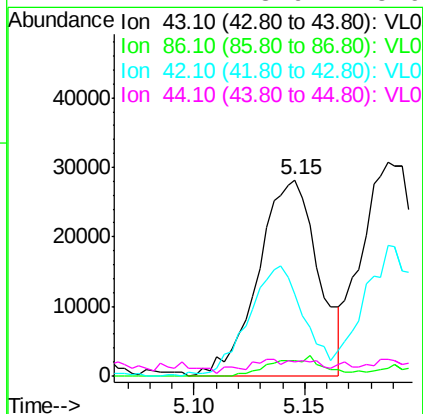
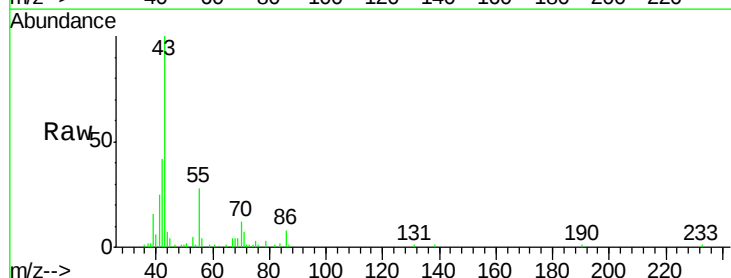
RT: 5.15 min Scan# 687

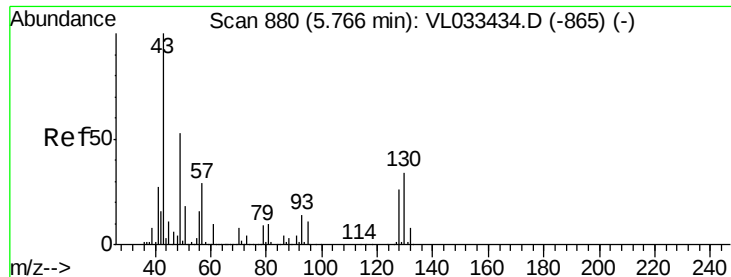
Delta R.T. -0.01 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Tgt Ion:	43	Resp:	52865
Ion	Ratio	Lower	Upper
43	100		
86	9.1	5.6	8.4#
42	40.3	8.0	12.0#
44	1.1	3.9	5.9#

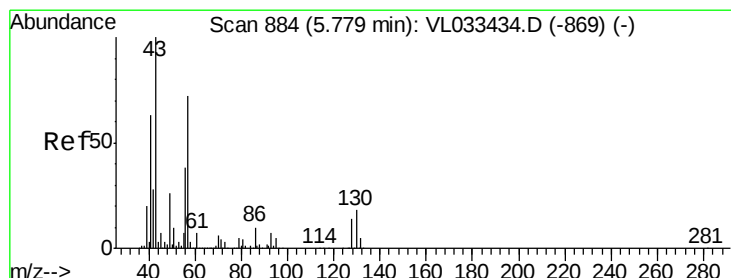
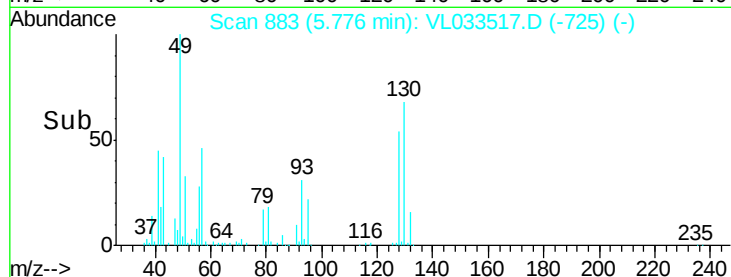
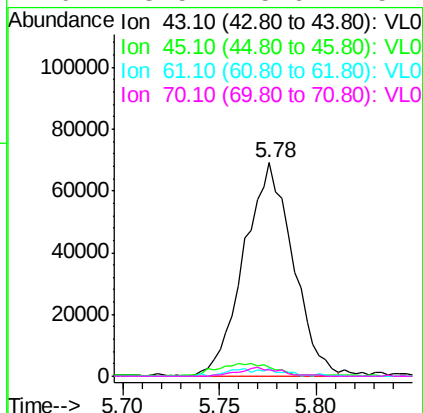
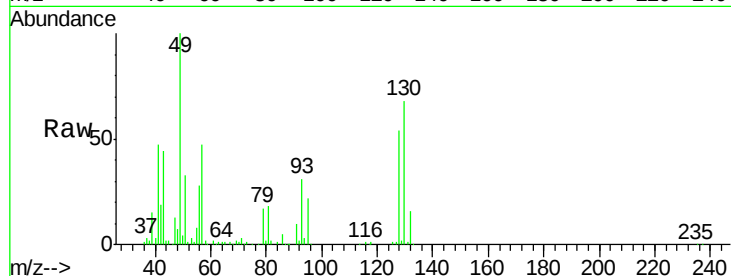




#25
Ethyl Acetate
Concen: 0.67 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

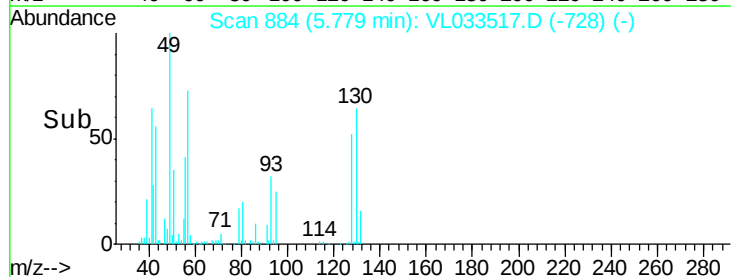
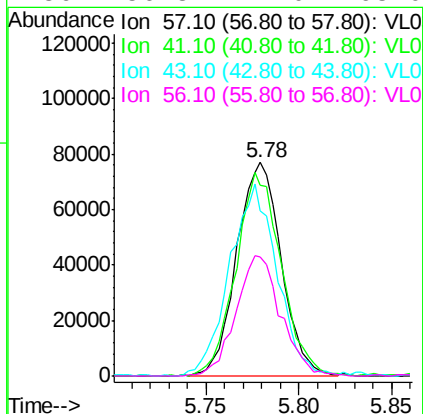
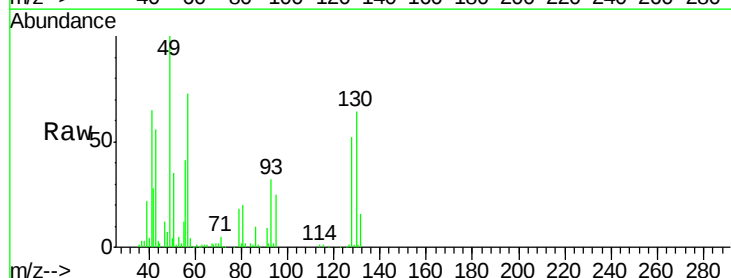
Instrument :
MSVOA_L
ClientSampled :

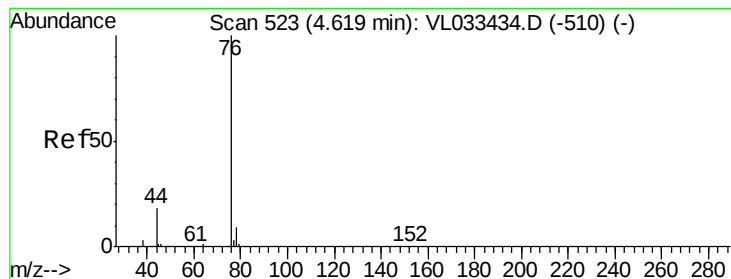
Tot Ion:	43	Resp:	121691
Ion	Ratio	Lower	Upper
43	100		
45	7.6	7.8	11.6#
61	3.8	7.3	10.9#
70	3.5	5.6	8.4#



#26
Hexane
Concen: 1.58 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

Tgt Ion:	57	Resp:	128280
Ion	Ratio	Lower	Upper
57	100		
41	97.5	70.7	106.1
43	96.4	182.6	274.0#
56	56.8	42.0	63.0





#27

Carbon Disulfide

Concen: 0.05 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

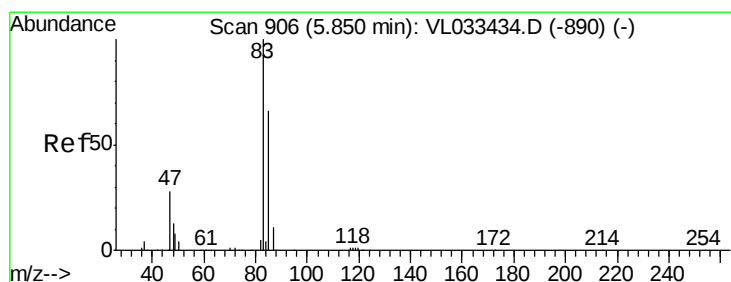
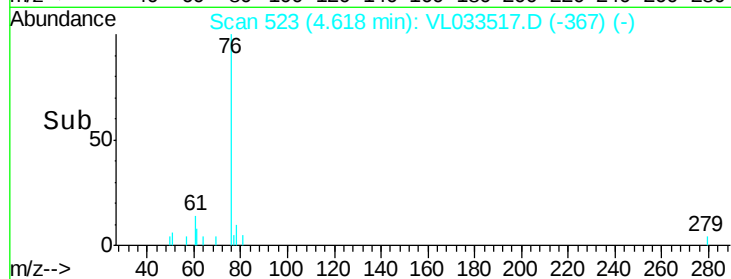
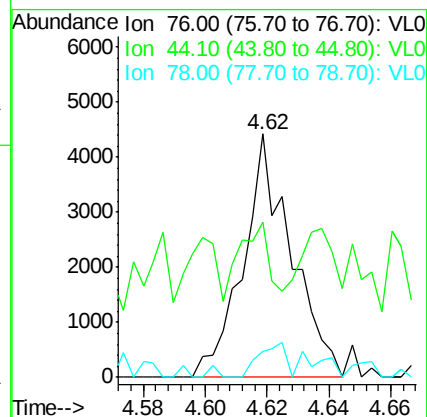
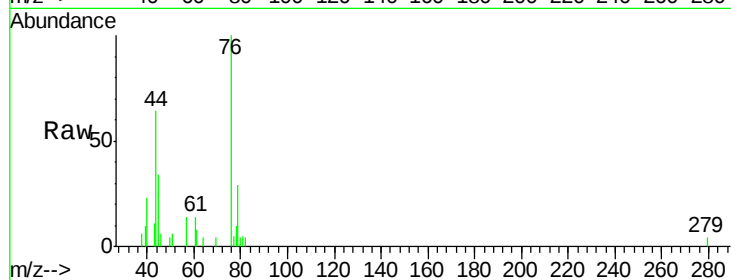
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 4784

Ion	Ratio	Lower	Upper
76	100		
44	48.3	14.8	22.2#
78	7.8	7.6	11.4



#29

Chloroform

Concen: 0.11 ppbv

RT: 5.84 min Scan# 904

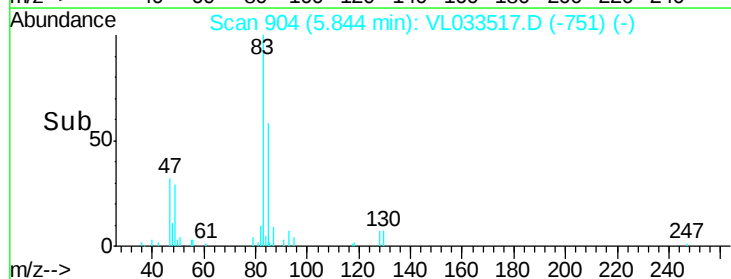
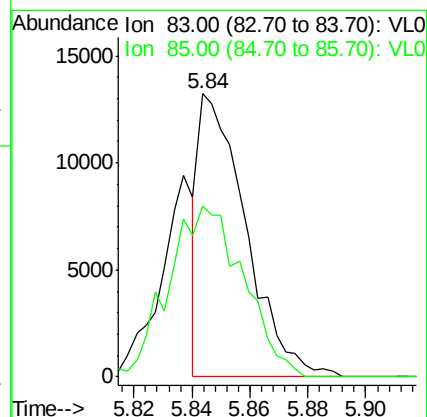
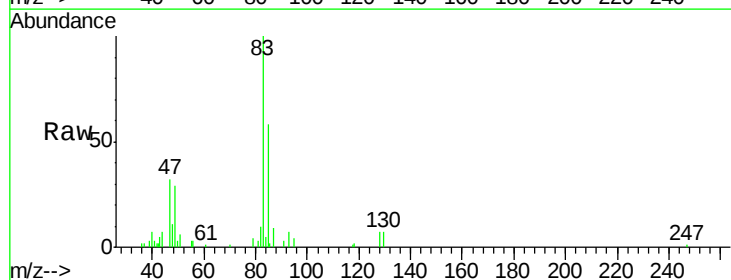
Delta R.T. -0.01 min

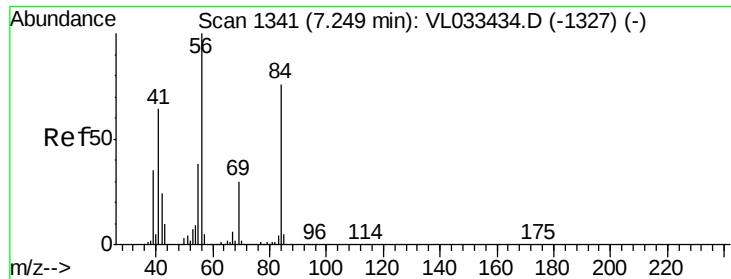
Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Tgt Ion: 83 Resp: 14775

Ion	Ratio	Lower	Upper
83	100		
85	60.2	52.6	79.0

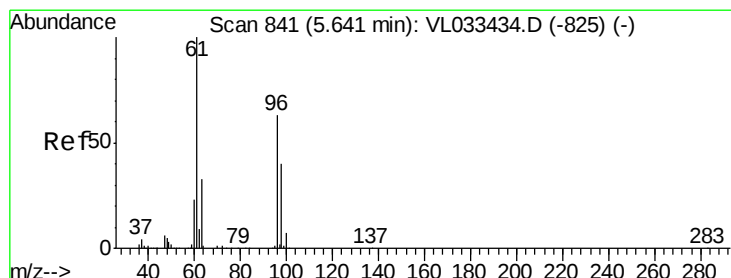
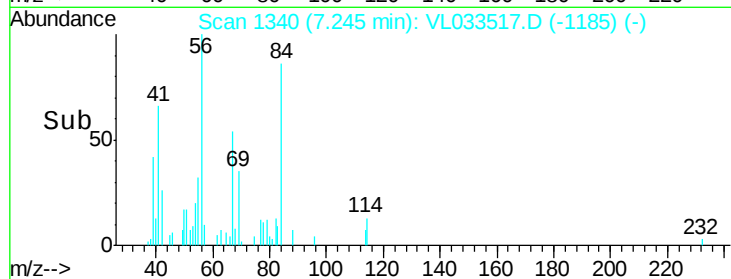
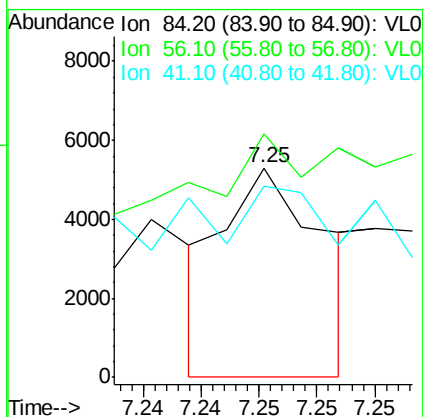
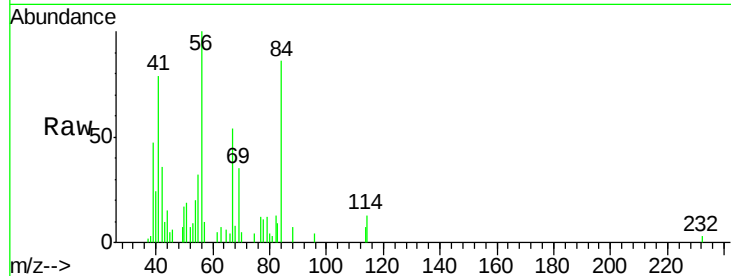




#30
Cvclohexane
Concen: 0.05 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

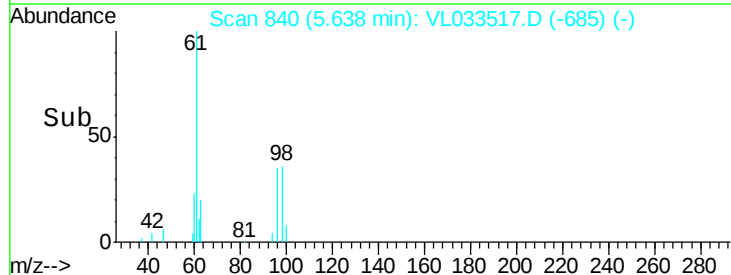
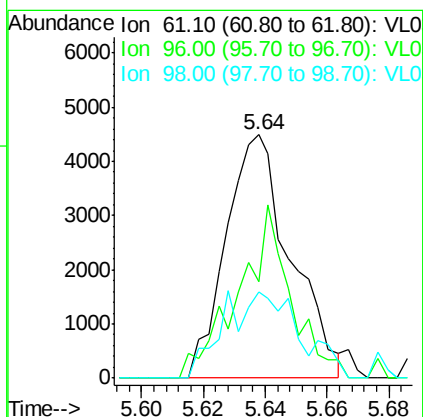
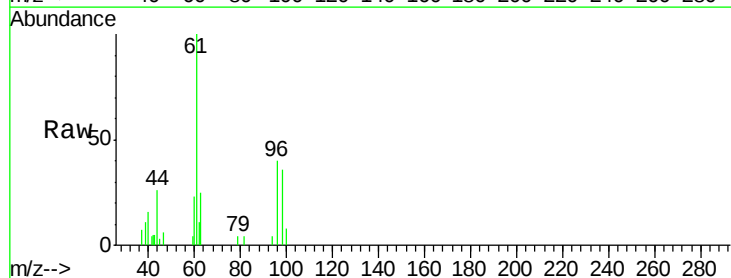
Instrument :
MSVOA_L
ClientSampleId :

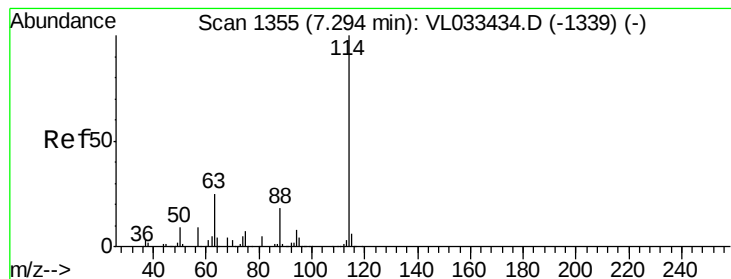
Tot Ion: 84 Resp: 3190
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 338.6 68.2 102.2#



#31
cis-1,2-Dichloroethene
Concen: 0.08 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

Tgt Ion: 61 Resp: 6516
Ion Ratio Lower Upper
61 100
96 32.3 50.6 76.0#
98 35.6 32.2 48.2





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

ClientSampled :

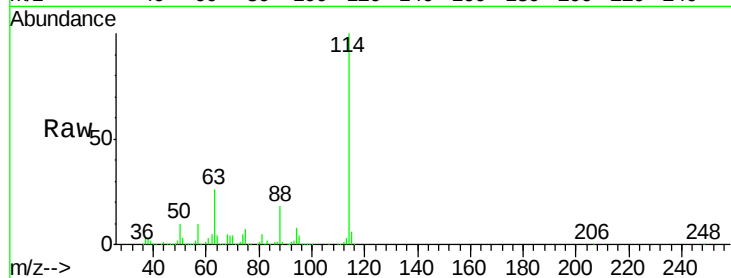
Tot Ion:114 Resp: 1974127

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.2	14.5	21.7

114 100

63 26.5 21.5 32.3

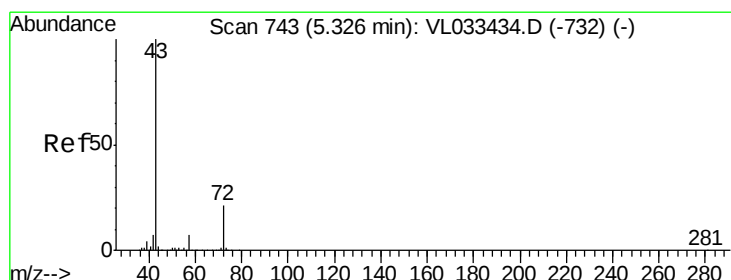
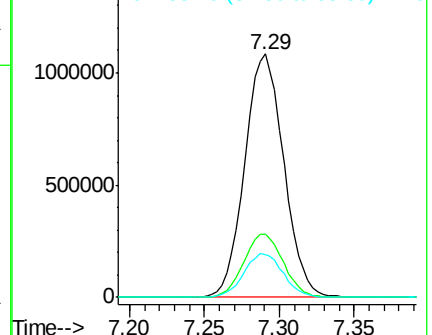
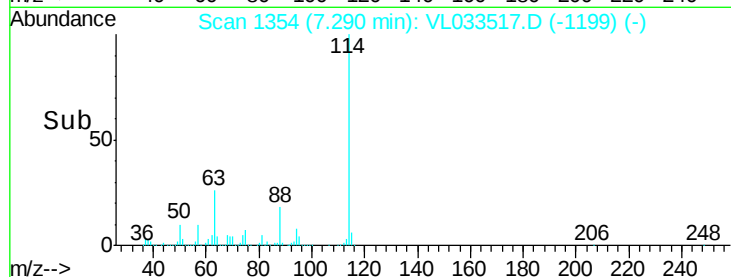
88 18.2 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.83 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033517.D

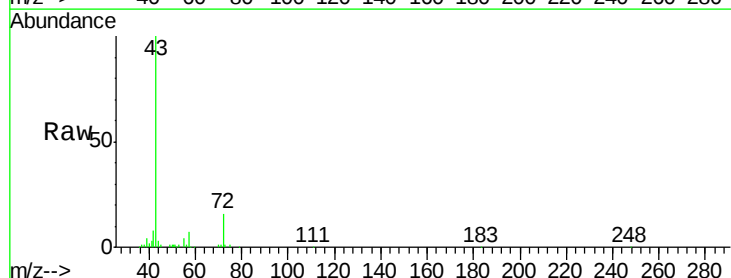
Acq: 30 Mar 2019 00:56

Tgt Ion: 43 Resp: 98827

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.4	26.2

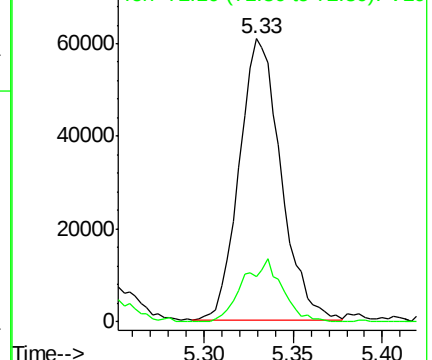
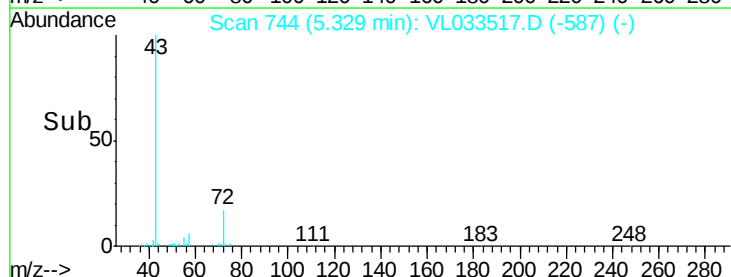
43 100

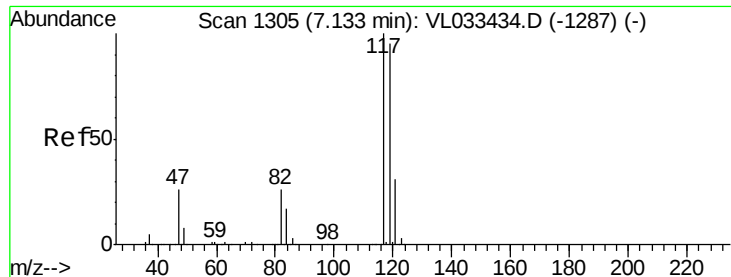
72 21.4 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.04 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

ClientSampleId :

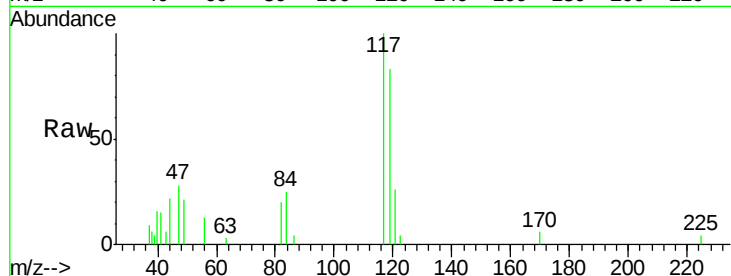
Tot Ion:117 Resp: 5602

Ion Ratio Lower Upper

117 100

119 83.0 75.8 113.8

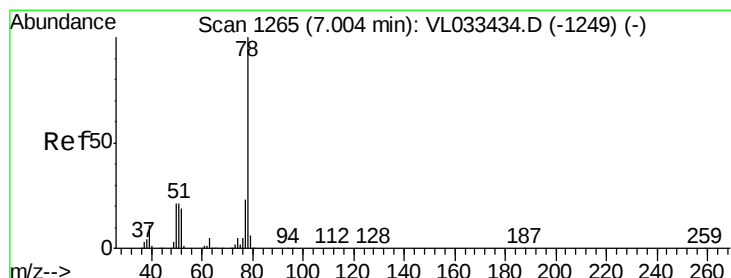
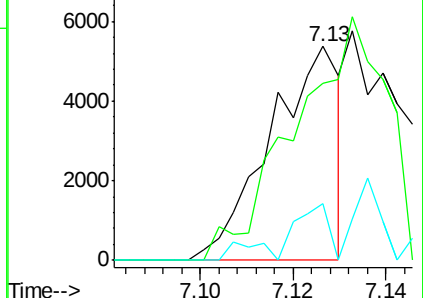
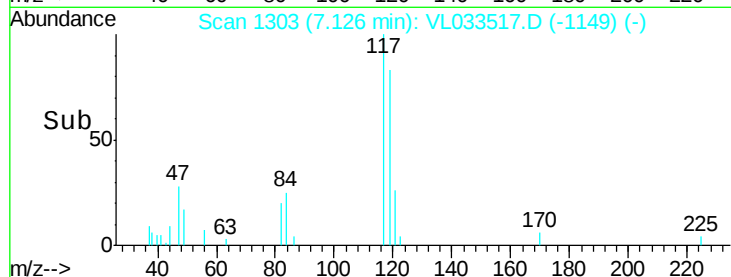
121 26.3 24.7 37.1



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: 0.46 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

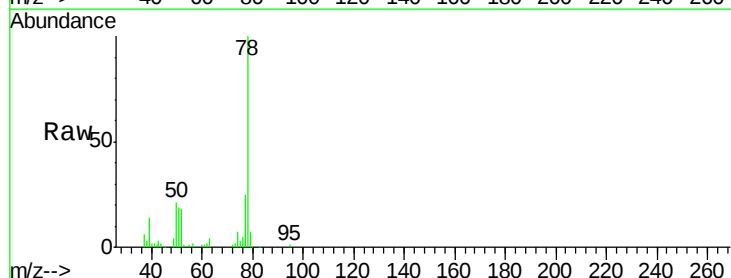
Tgt Ion: 78 Resp: 76216

Ion Ratio Lower Upper

78 100

77 24.9 18.1 27.1

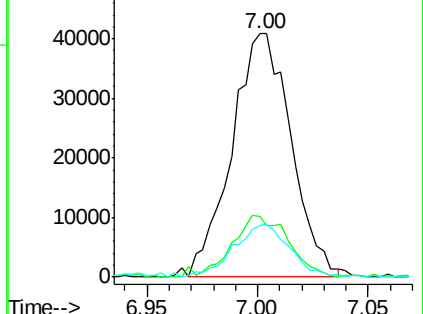
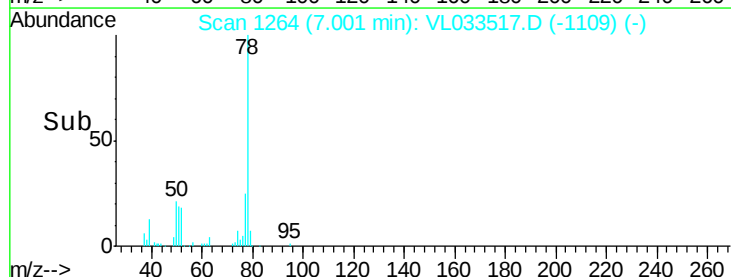
50 20.5 16.7 25.1

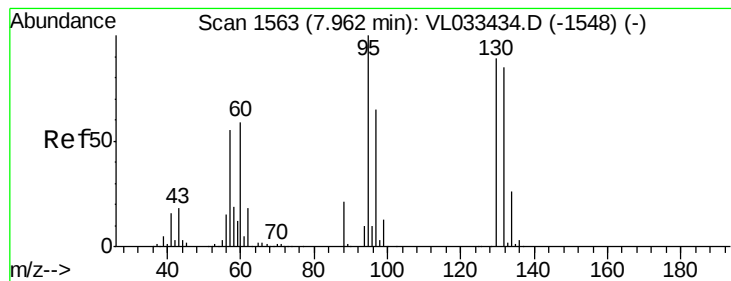


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 1.34 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 83748

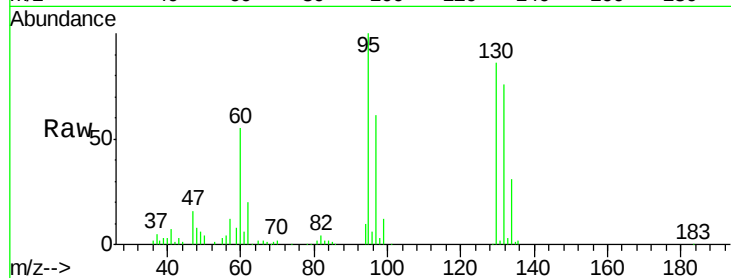
Ion Ratio Lower Upper

130 100

95 114.8 89.8 134.8

132 88.7 76.6 115.0

97 69.6 58.6 88.0

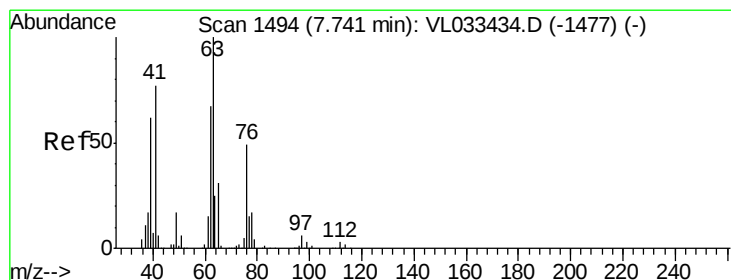
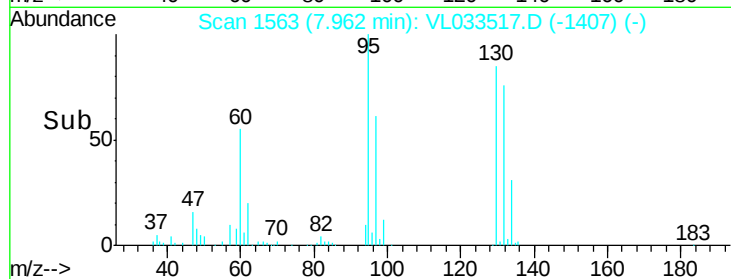
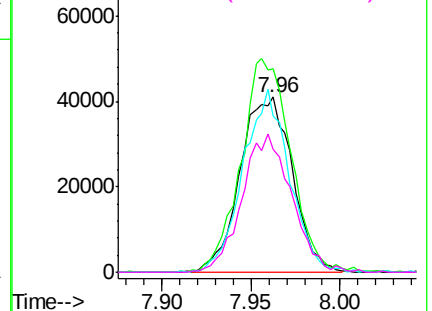


Abundance Ion 130.00 (129.70 to 130.70): V

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



#39

1,2-Dichloropropane

Concen: 8.03 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.45 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

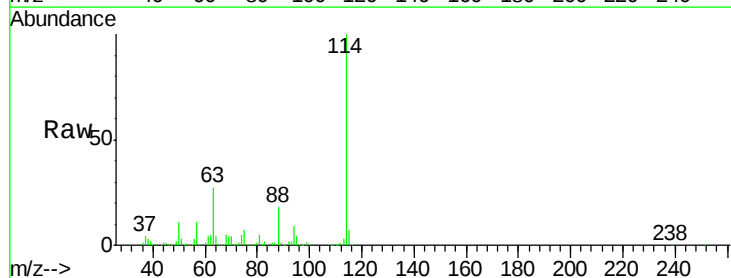
Tgt Ion: 63 Resp: 521243

Ion Ratio Lower Upper

63 100

41 0.0 61.2 91.8#

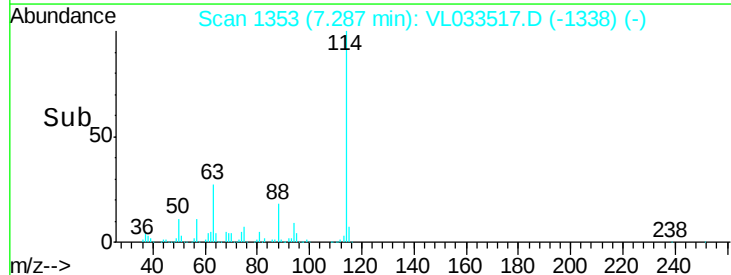
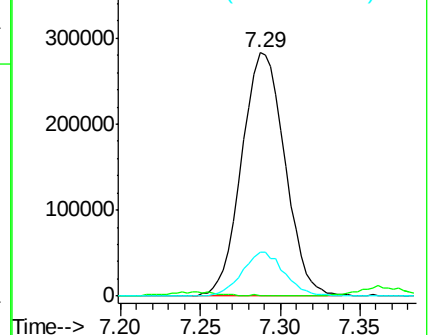
62 17.7 54.0 81.0#

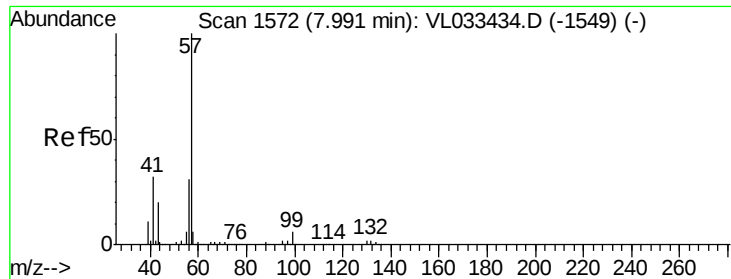


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

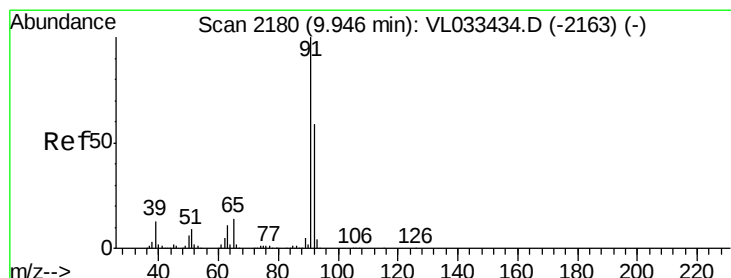
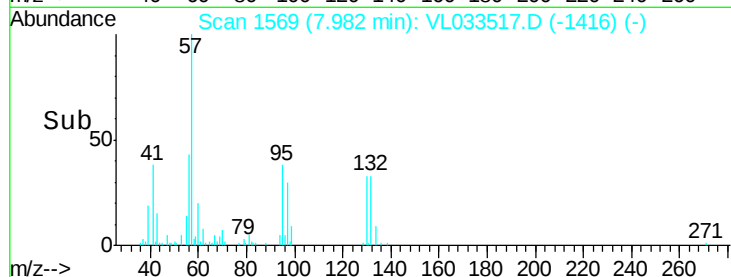
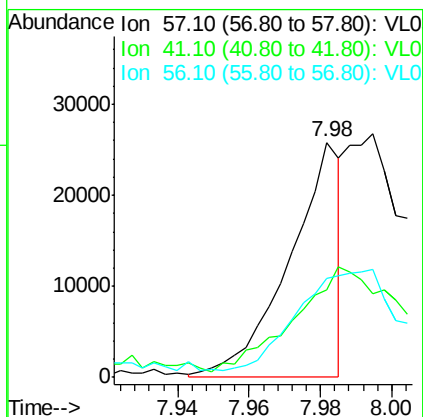
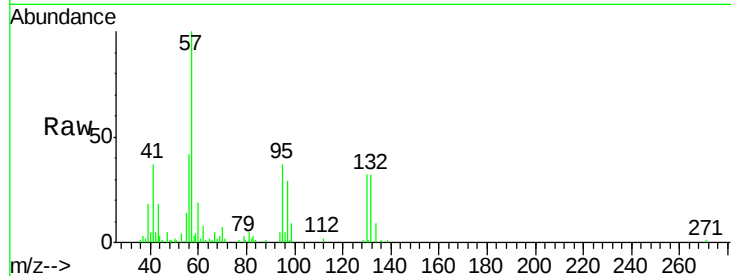




#44
 2,2,4-Trimethylpentane
 Concen: 0.09 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

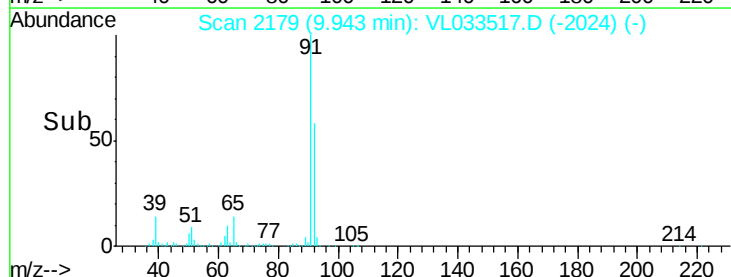
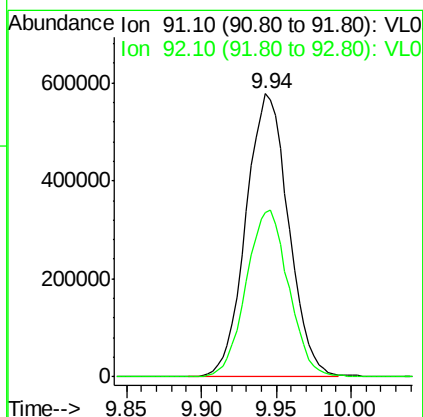
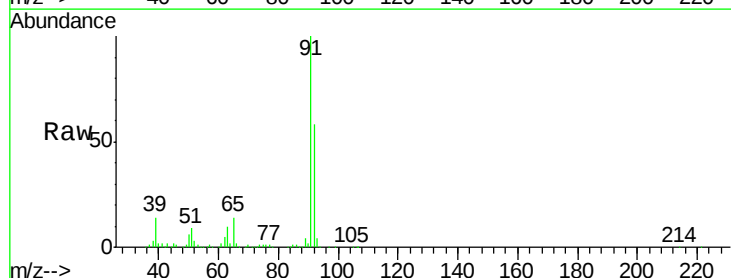
Instrument :
 MSVOA_L
 ClientSampleId :

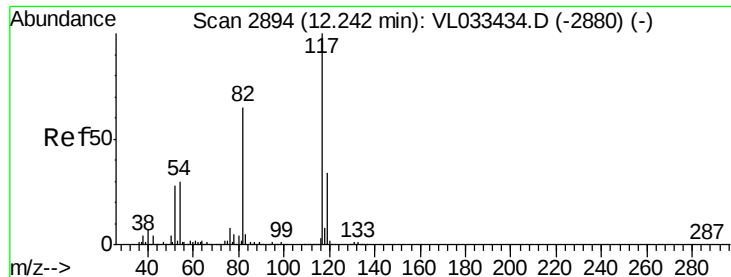
Tot Ion: 57 Resp: 25617
 Ion Ratio Lower Upper
 57 100
 41 101.4 26.0 39.0#
 56 0.0 24.6 37.0#



#53
 Toluene
 Concen: 5.94 ppbv
 RT: 9.94 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

Tgt Ion: 91 Resp: 1142873
 Ion Ratio Lower Upper
 91 100
 92 59.1 47.4 71.0

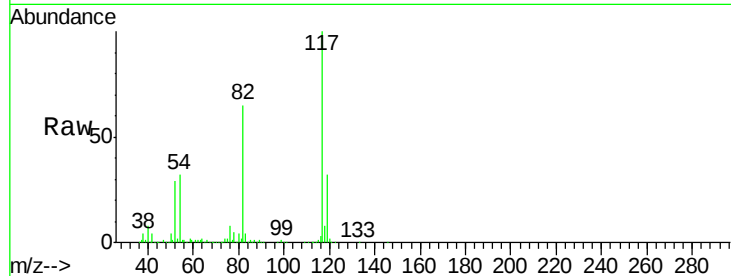




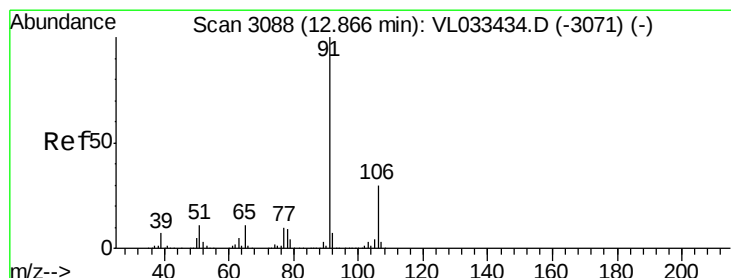
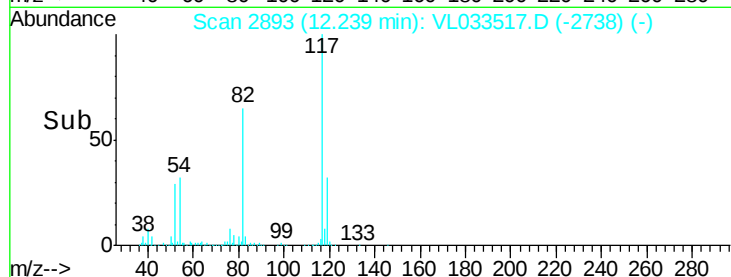
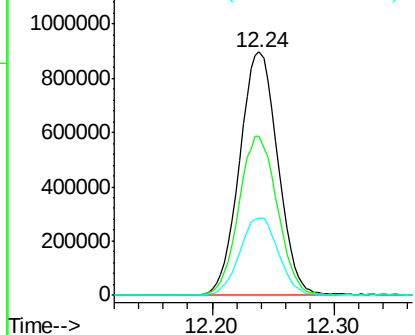
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 1943224
Ion Ratio Lower Upper
117 100
82 66.0 51.5 77.3
119 32.3 25.5 38.3

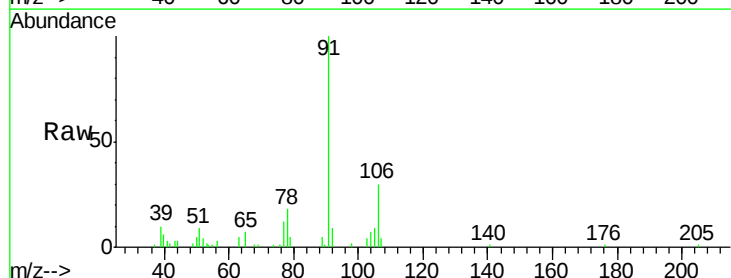


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

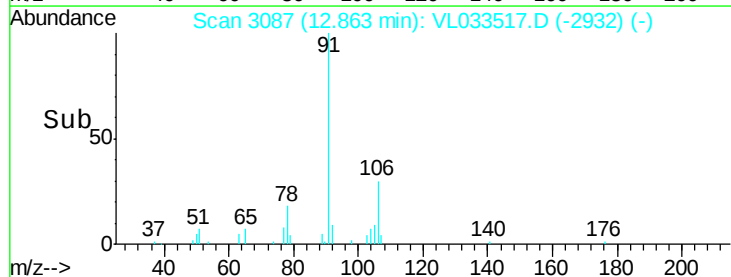
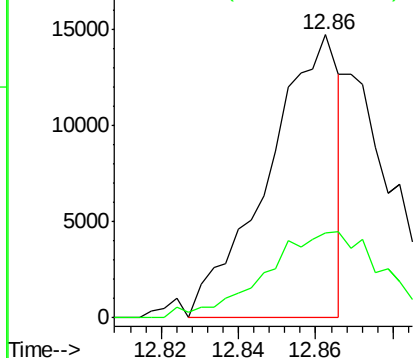


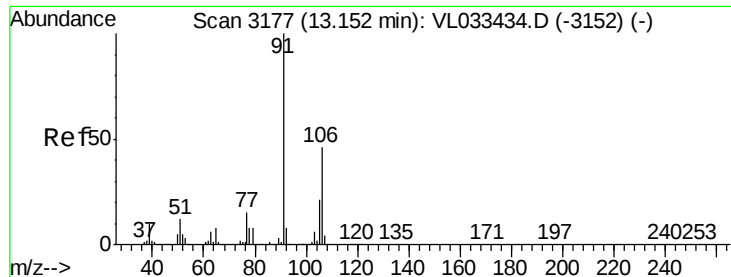
#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

Tgt Ion: 91 Resp: 18717
Ion Ratio Lower Upper
91 100
106 25.8 23.8 35.6



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

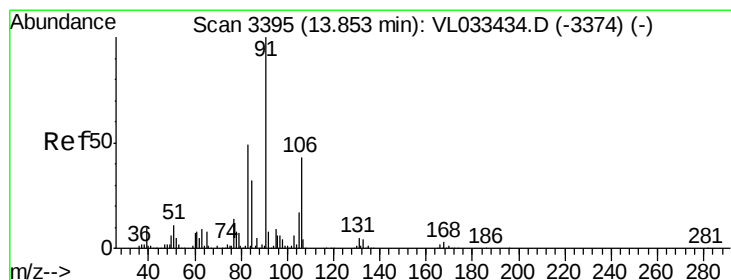
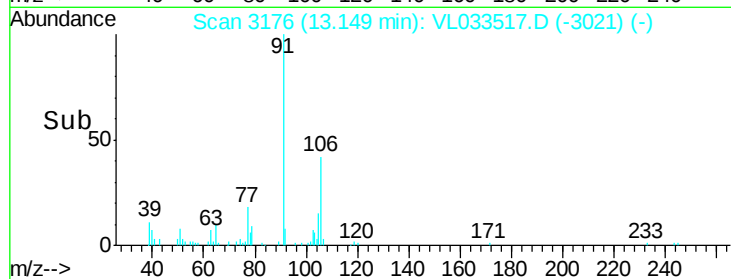
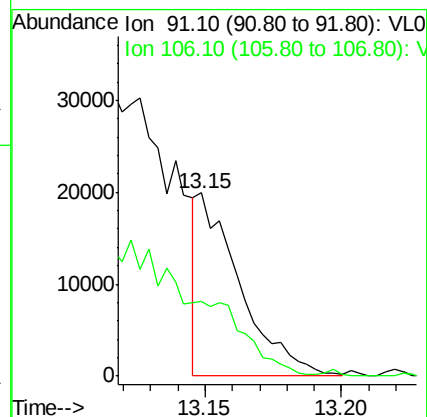
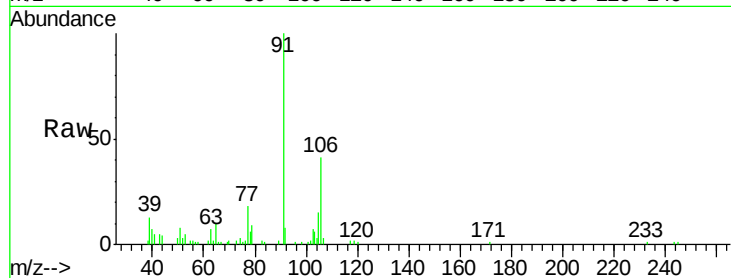




#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

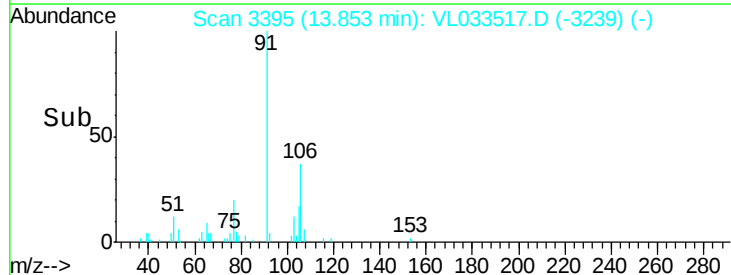
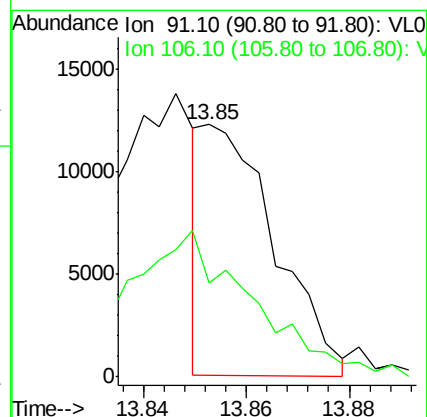
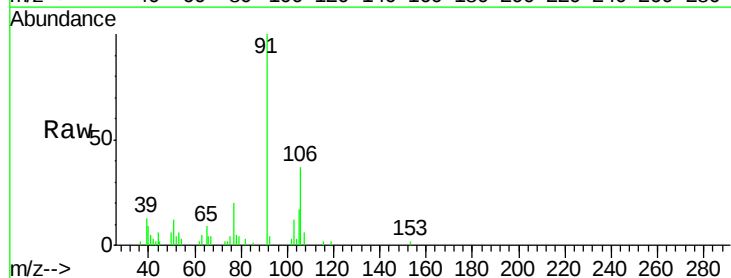
Instrument :
MSVOA_L
ClientSampleId :

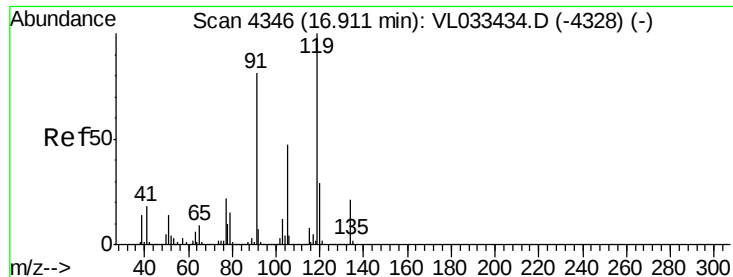
Tot Ion: 91 Resp: 21276
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.05 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033517.D
Acq: 30 Mar 2019 00:56

Tgt Ion: 91 Resp: 11817
Ion Ratio Lower Upper
91 100
106 112.3 21.4 64.3#





#65

tert-Butylbenzene

Concen: 1.36 ppbv

RT: 17.13 min Scan# 4413

Delta R.T. 0.22 min

Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

ClientSampleId :

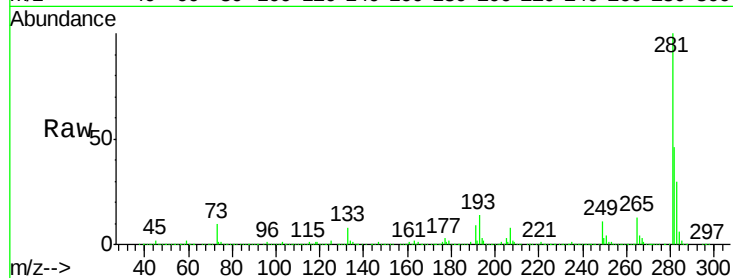
Tot Ion:119 Resp: 379521

Ion Ratio Lower Upper

119 100

91 3.0 66.4 99.6#

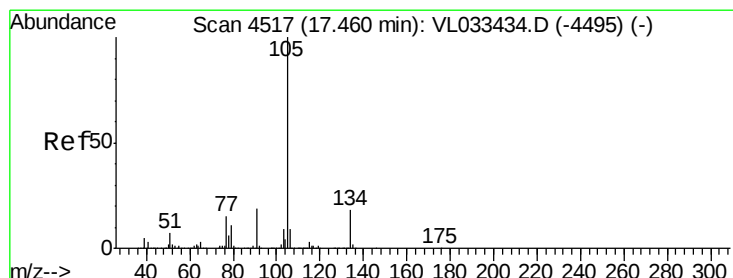
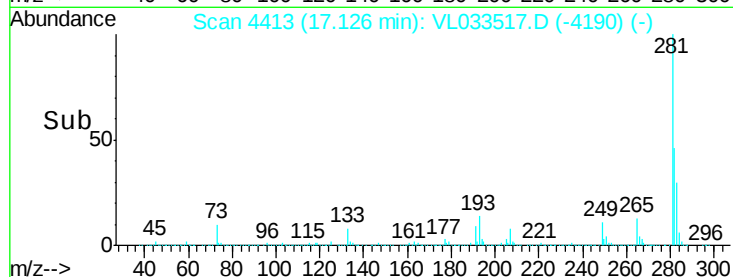
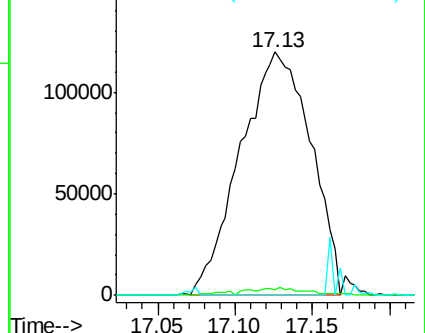
134 0.4 15.5 23.3#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#67

sec-Butylbenzene

Concen: 0.15 ppbv

RT: 17.13 min Scan# 4415

Delta R.T. -0.33 min

Lab File: VL033517.D

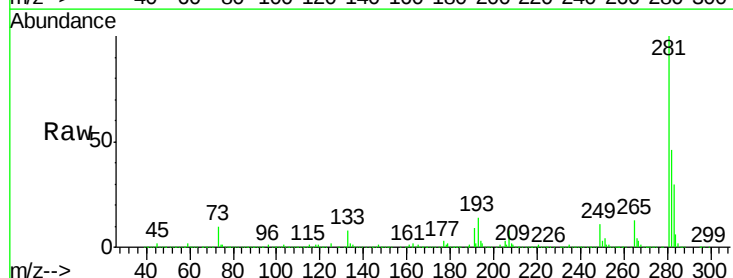
Acq: 30 Mar 2019 00:56

Tgt Ion:105 Resp: 58372

Ion Ratio Lower Upper

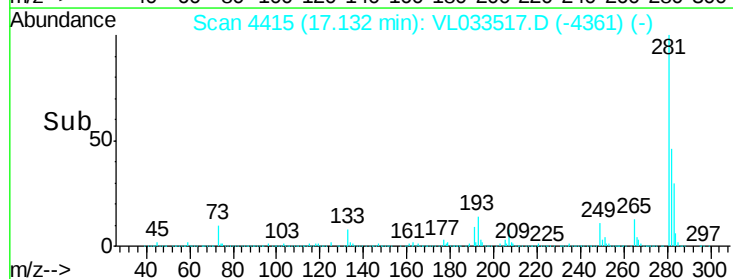
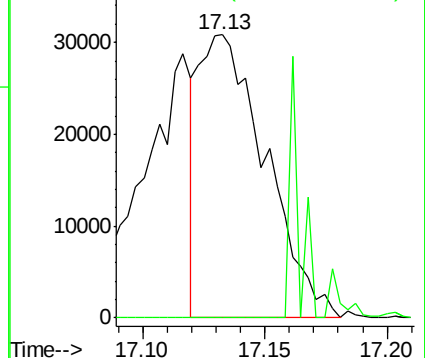
105 100

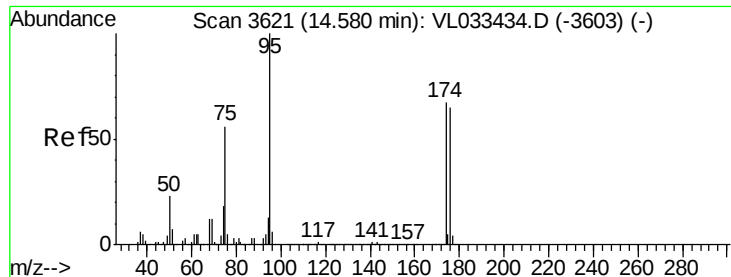
134 17.6 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

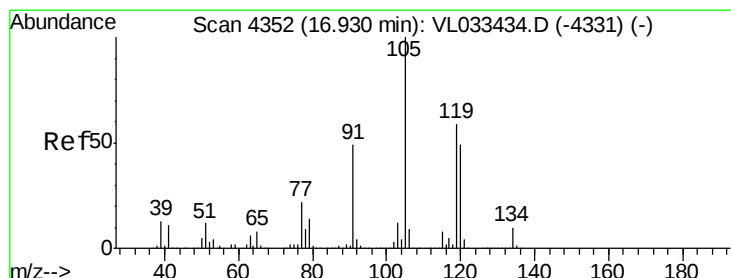
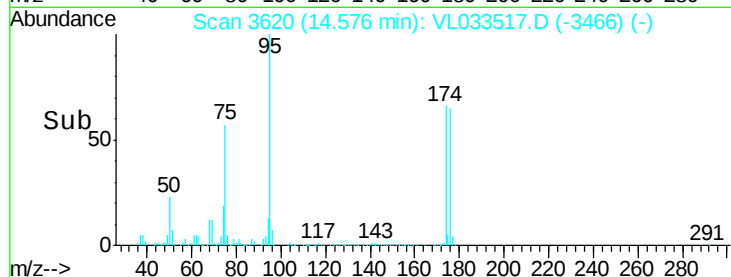
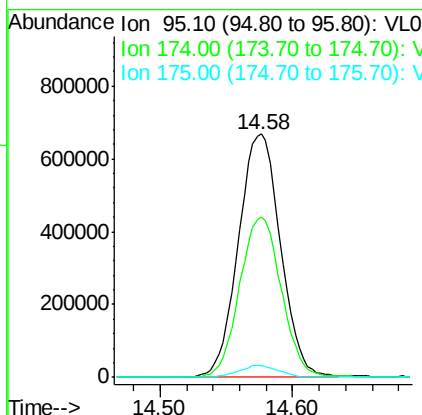
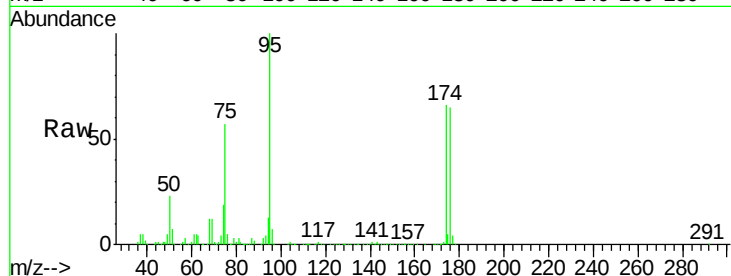




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.66 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

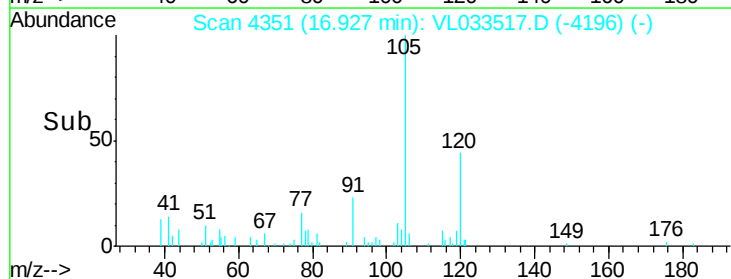
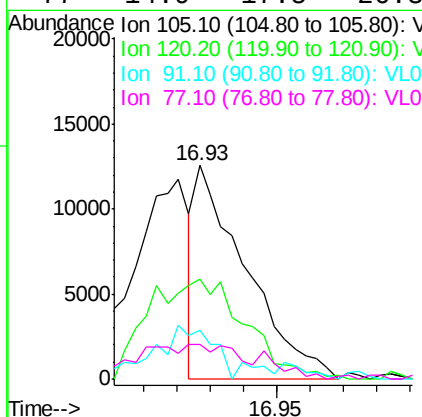
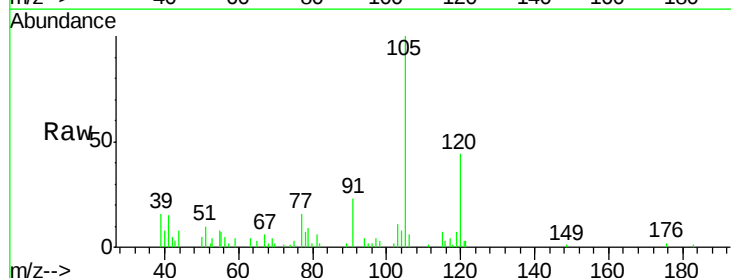
Instrument :
 MSVOA_L
 ClientSampleId :

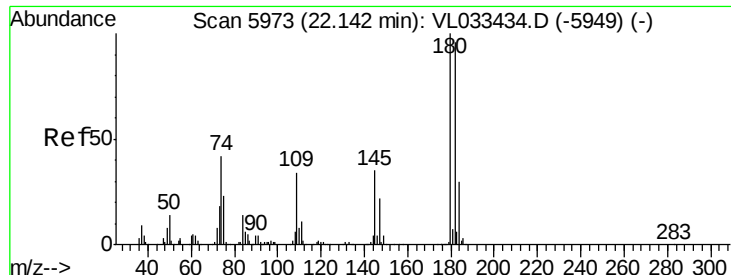
Tot Ion: 95 Resp: 1471585
 Ion Ratio Lower Upper
 95 100
 174 65.8 52.9 79.3
 175 4.8 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.05 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL033517.D
 Acq: 30 Mar 2019 00:56

Tgt Ion: 105 Resp: 13311
 Ion Ratio Lower Upper
 105 100
 120 45.2 39.0 58.6
 91 22.8 40.0 60.0#
 77 14.9 17.5 26.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.21 ppbv

RT: 21.66 min Scan# 5824

Delta R.T. -0.48 min

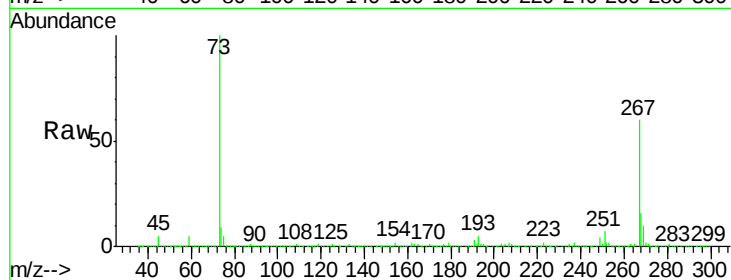
Lab File: VL033517.D

Acq: 30 Mar 2019 00:56

Instrument :

MSVOA_L

ClientSampleId :



Tot Ion:180 Resp: 25378

Ion Ratio Lower Upper

180 100

182 0.0 77.0 115.4#

184 1.5 24.6 36.8#

