

Data File : VL034539.D

Acq On : 31 Dec 2019 9:03

Operator : SY/AP

Sample : K6470-06

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
44-2

Quant Time: Dec 31 11:17:20 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	950972	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1899916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1849409	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1564628	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	93666	0.625	ppbv	93
3) Chlorodifluoromethane	2.96	51	583132	5.147	ppbv	95
4) Chloromethane	3.11	50	32911	0.489	ppbv	96
9) Propene	3.18	41	540710	12.378	ppbv	92
10) Heptane	8.15	43	8924	0.079	ppbv #	26
11) Trichlorofluoromethane	3.94	101	42040	0.242	ppbv #	78
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4363	0.040	ppbv #	13
13) Ethanol	3.59	45	931585	76.859	ppbv	99
15) Acetone	3.83	43	1631452	11.755	ppbv	100
16) 1,3-Butadiene	3.28	39	21080	0.395	ppbv #	63
17) tert-Butyl alcohol	4.29	59	10454	0.094	ppbv #	72
19) Isopropyl Alcohol	3.97	45	711179	7.916	ppbv #	98
20) Methylene Chloride	4.34	84	54513	0.998	ppbv	95
23) Vinyl Acetate	5.06	43	42470	0.265	ppbv #	53
25) Ethyl Acetate	5.69	43	90834	0.419	ppbv	97
26) Hexane	5.70	57	53678	0.588	ppbv #	73
27) Carbon Disulfide	4.54	76	12090	0.105	ppbv #	39
30) Cyclohexane	7.15	84	6267	0.092	ppbv #	1
32) 1,1,1-Trichloroethane	6.54	97	4737	0.029	ppbv	91
34) 2-Butanone	5.25	43	521283	3.839	ppbv	99
35) Carbon Tetrachloride	7.03	117	4190	0.024	ppbv	84
36) Benzene	6.91	78	73979	0.447	ppbv	94
39) 1,2-Dichloropropane	7.20	63	557356	8.184	ppbv #	22
41) Tetrahydrofuran	6.07	42	57472	0.825	ppbv	96
44) 2,2,4-Trimethylpentane	7.89	57	33509	0.109	ppbv #	16
50) 4-Methyl-2-Pentanone	8.78	43	25121	0.127	ppbv #	40
52) Tetrachloroethene	11.28	164	12984	0.201	ppbv	93
53) Toluene	9.84	91	493689	2.713	ppbv	99
58) Ethyl Benzene	12.75	91	69297	0.278	ppbv	95
59) m/p-Xylene	13.02	91	202577	0.929	ppbv #	45
60) o-Xylene	13.74	91	105655	0.483	ppbv	97
61) Styrene	13.58	104	6621	0.044	ppbv #	88
64) n-propylbenzene	15.61	120	4666	0.064	ppbv #	1
65) tert-Butylbenzene	16.81	119	9719	0.038	ppbv #	1
69) p-Isopropyltoluene	17.70	119	7052	0.024	ppbv #	31
70) n-Butylbenzene	18.62	91	7332	0.023	ppbv #	30
72) 4-Ethyltoluene	15.89	105	47367	0.193	ppbv #	54
73) 1,3,5-Trimethylbenzene	16.06	105	71419	0.297	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	161612	0.629	ppbv #	69
79) Naphthalene	22.27	128	4415	0.023	ppbv #	83
80) Naphthalene,2-methyl-	25.04	142	5962	0.111	ppbv #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\
Quantitation Report (Not Reviewed)

Data File : VL034539.D
Acq On : 31 Dec 2019 9:03
Operator : SY/AP
Sample : K6470-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
44-2

Quant Time: Dec 31 11:17:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

Data File : VL034539.D

Acq On : 31 Dec 2019 9:03

Operator : SY/AP

Sample : K6470-06

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

44-2

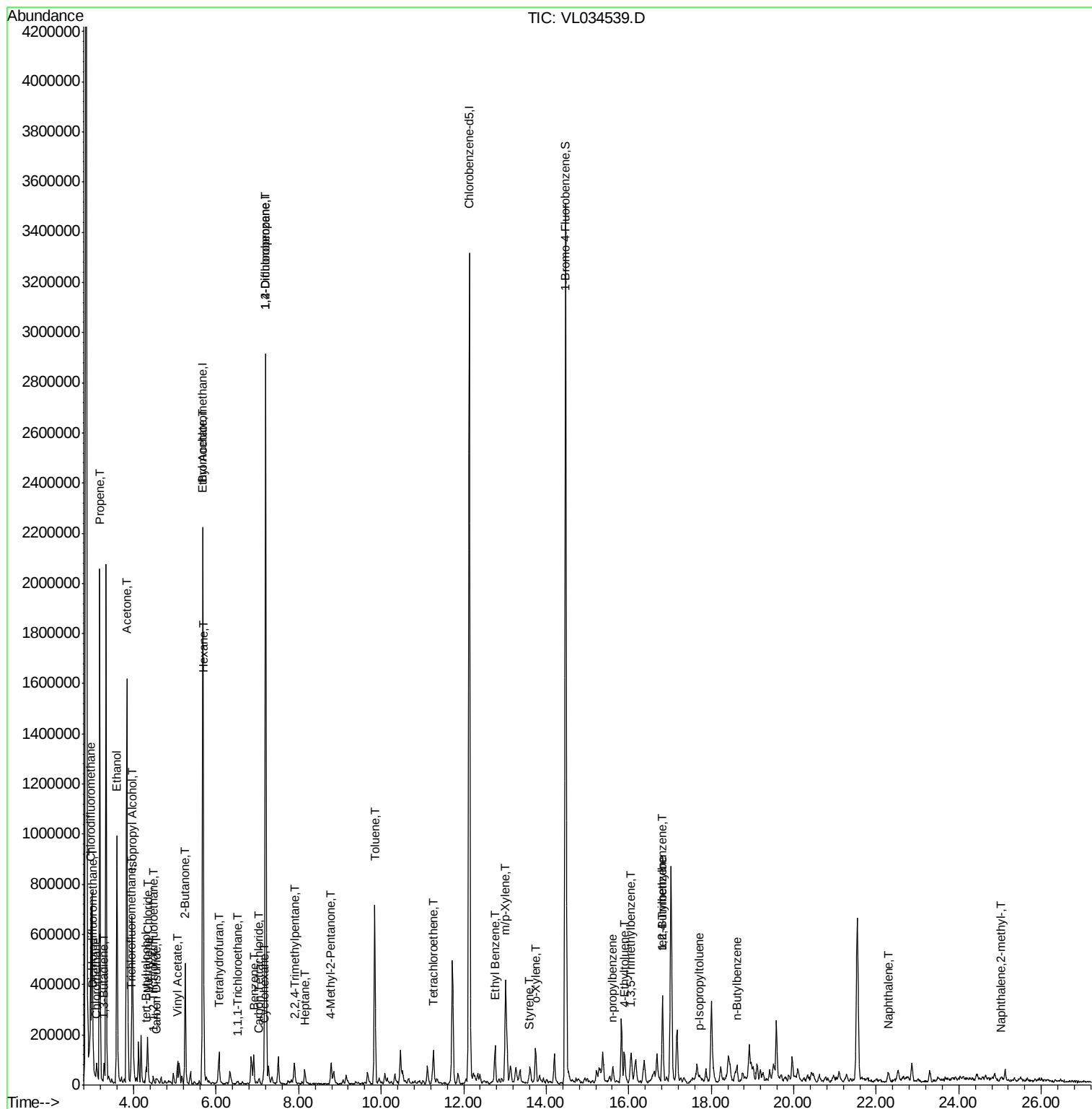
Quant Time: Dec 31 11:17:20 2019

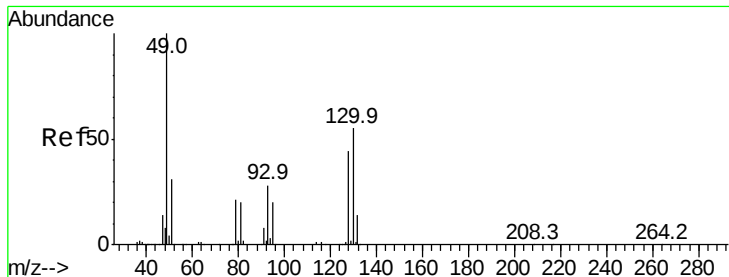
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

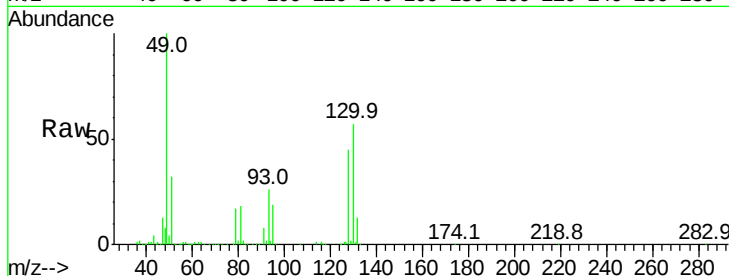
Tgt Ion: 49 Resp: 950972

Ion Ratio Lower Upper

49 100

128 44.7 22.4 67.2

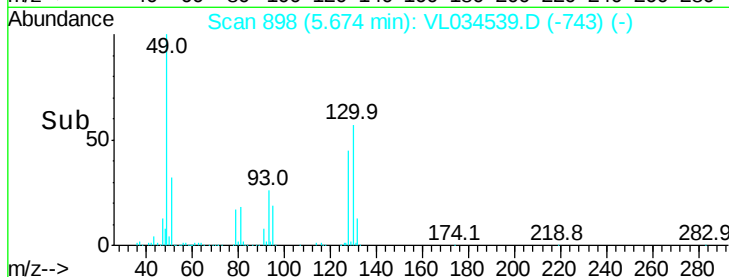
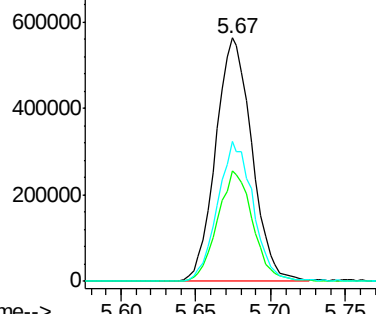
130 56.5 28.3 85.0



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: 0.625 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL034539.D

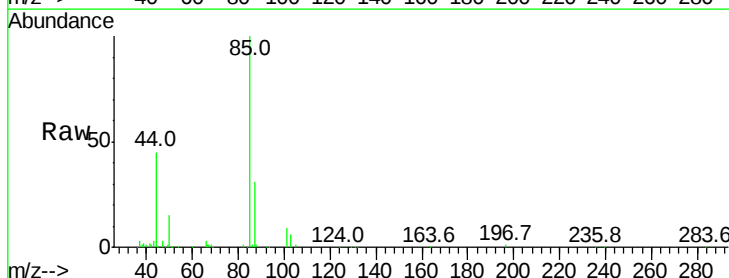
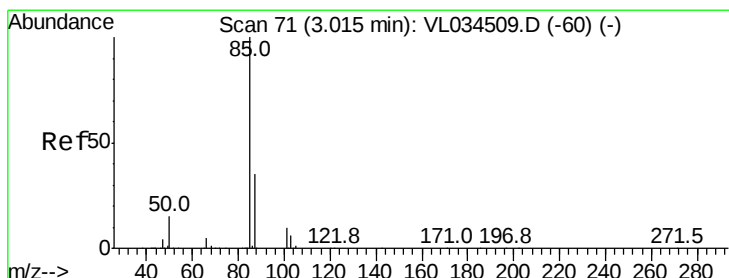
Acq: 31 Dec 2019 9:03

Tgt Ion: 85 Resp: 93666

Ion Ratio Lower Upper

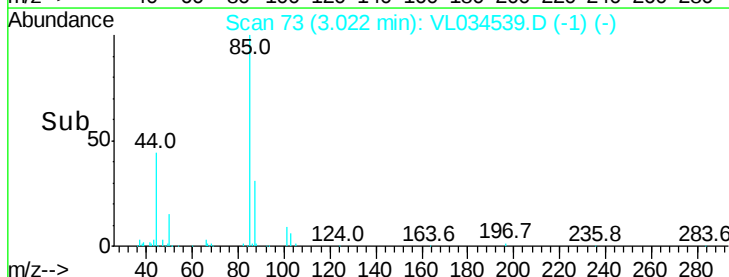
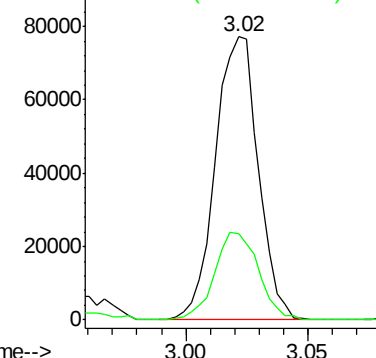
85 100

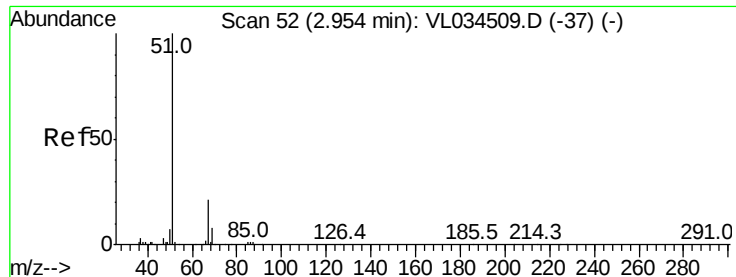
87 30.6 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 5.147 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

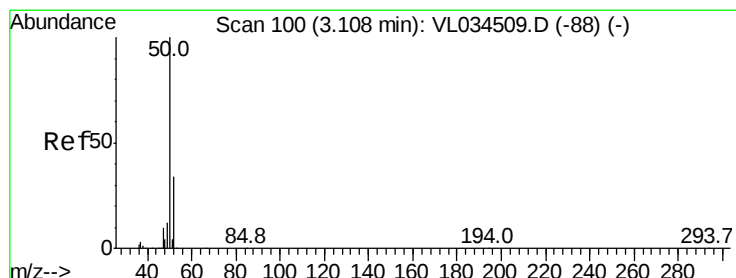
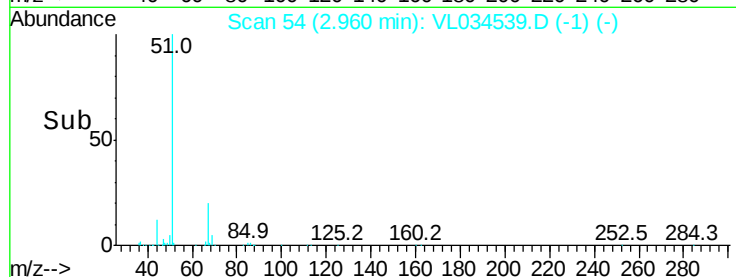
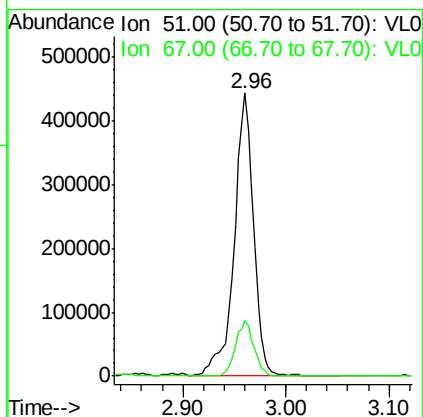
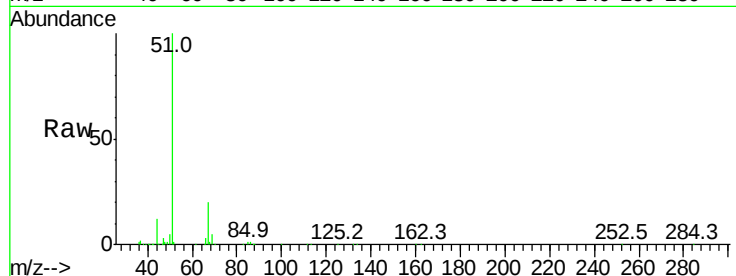
44-2

Tgt Ion: 51 Resp: 583132

Ion Ratio Lower Upper

51 100

67 18.5 16.8 25.2



#4

Chloromethane

Concen: 0.489 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034539.D

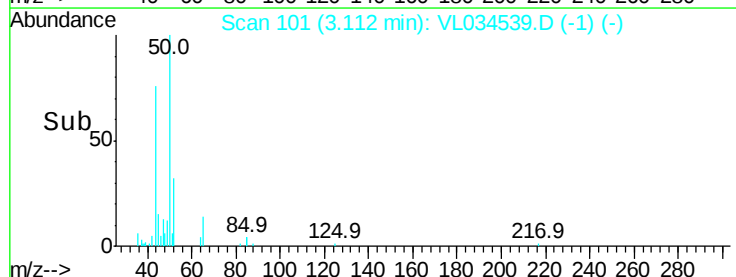
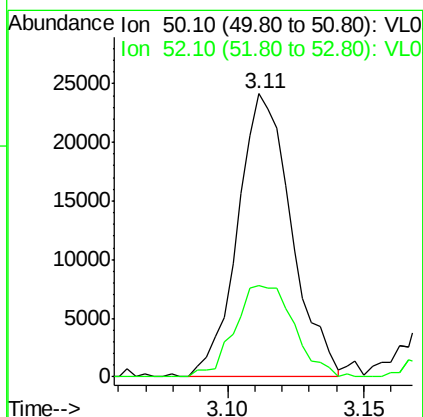
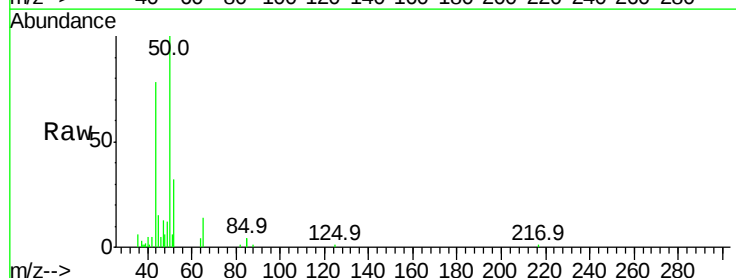
Acq: 31 Dec 2019 9:03

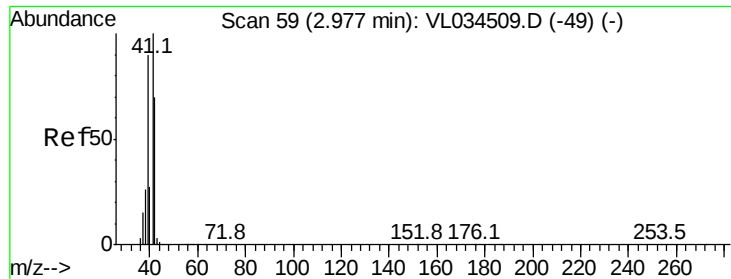
Tgt Ion: 50 Resp: 32911

Ion Ratio Lower Upper

50 100

52 32.1 27.6 41.4





#9

Propene

Concen: 12.378 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.20 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

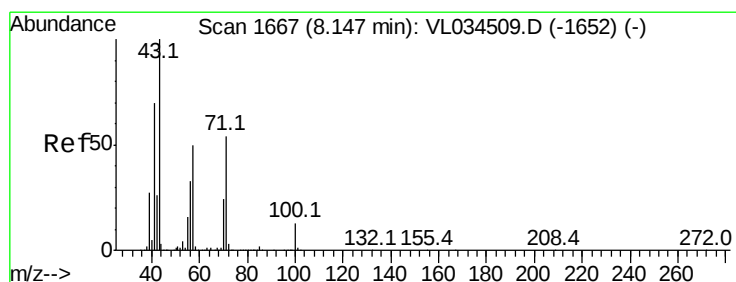
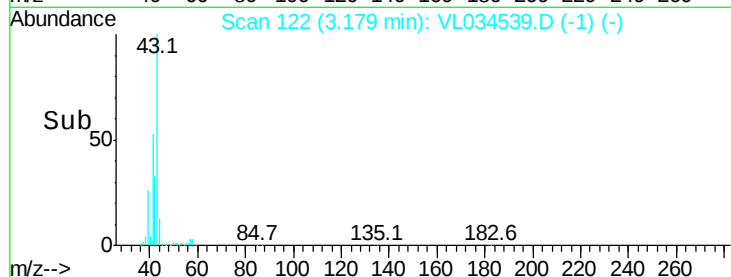
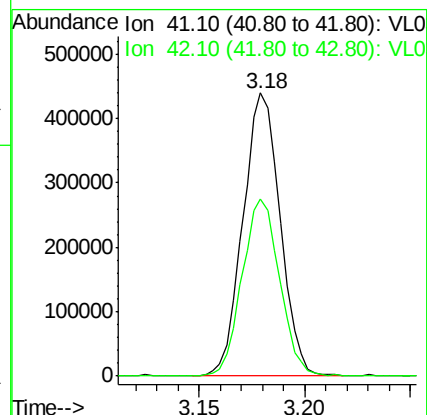
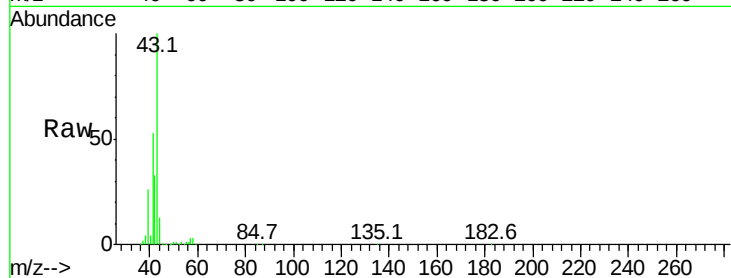
44-2

Tgt Ion: 41 Resp: 540710

Ion Ratio Lower Upper

41 100

42 63.4 55.8 83.6



#10

Heptane

Concen: 0.079 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL034539.D

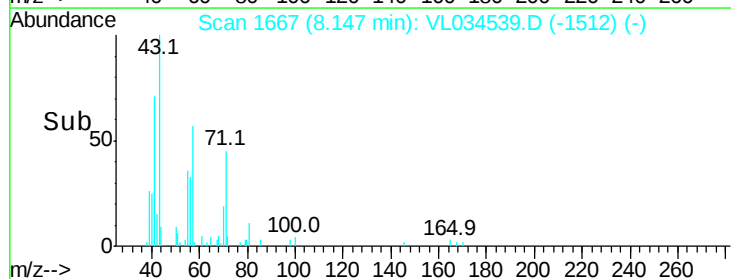
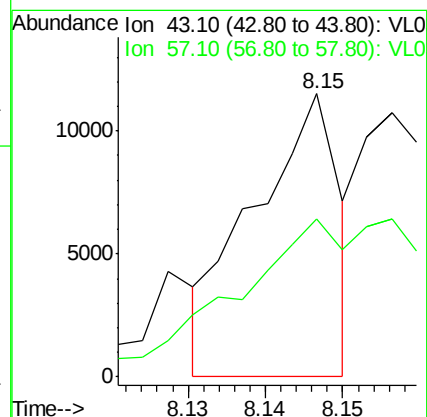
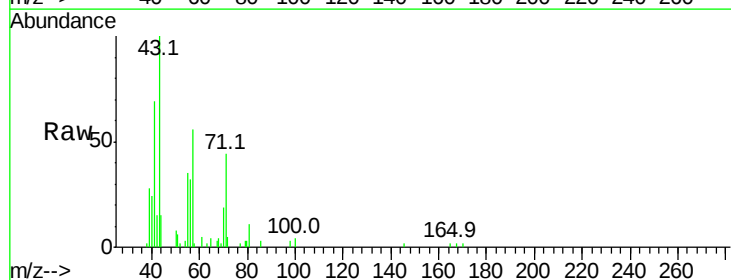
Acq: 31 Dec 2019 9:03

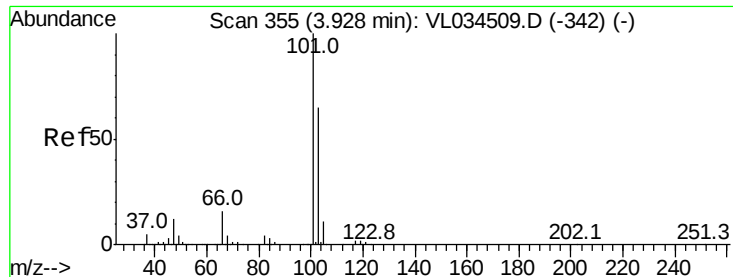
Tgt Ion: 43 Resp: 8924

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#

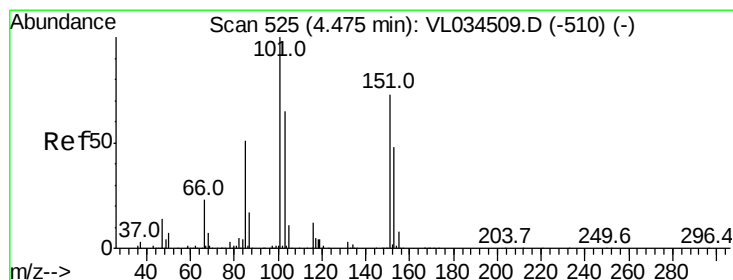
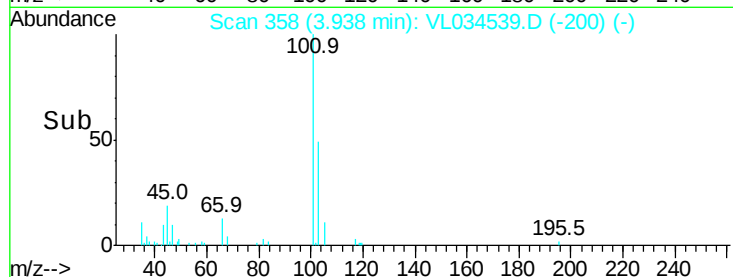
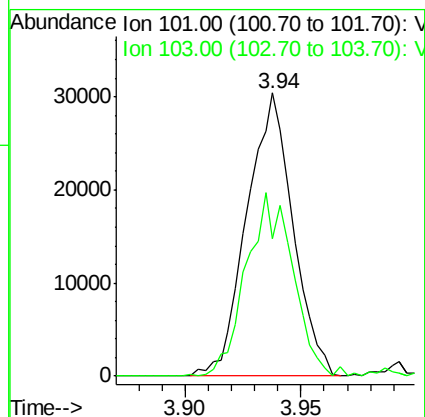
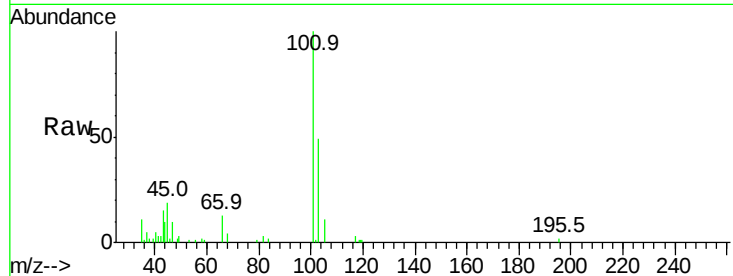




#11
 Trichlorofluoromethane
 Concen: 0.242 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

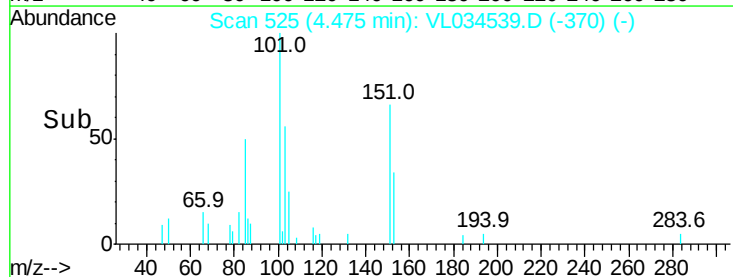
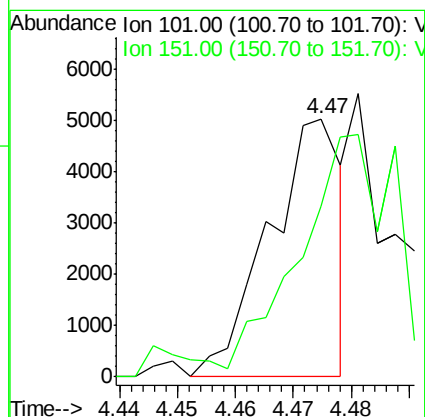
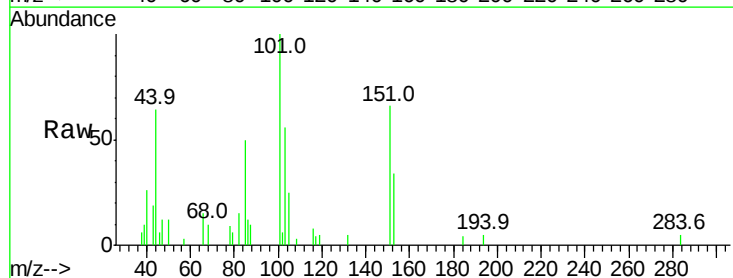
Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

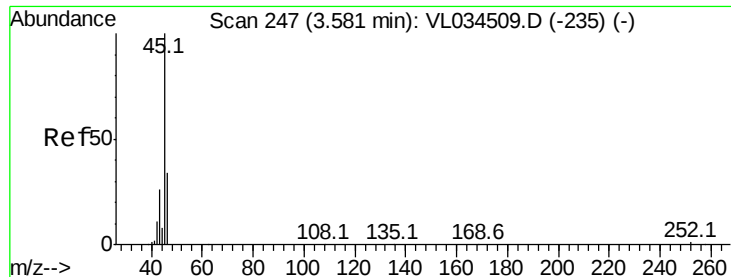
Tgt Ion:101 Resp: 42040
 Ion Ratio Lower Upper
 101 100
 103 48.1 52.1 78.1#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.040 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion:101 Resp: 4363
 Ion Ratio Lower Upper
 101 100
 151 0.0 57.8 86.6#





#13

Ethanol

Concen: 76.859 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

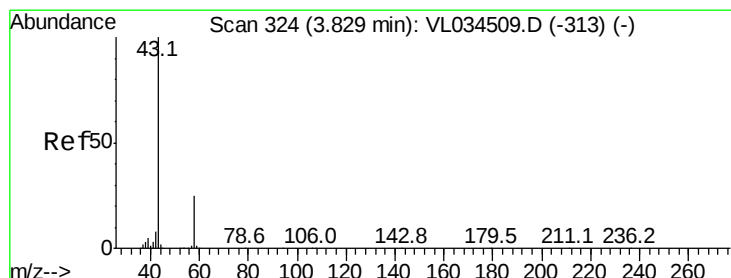
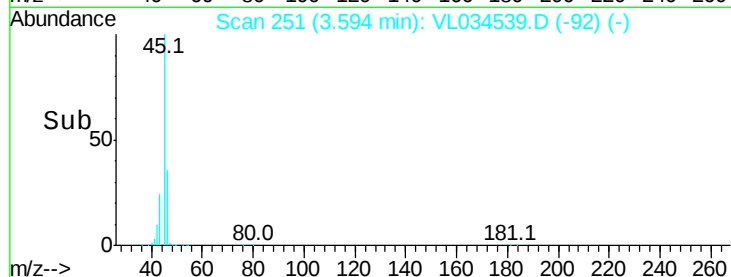
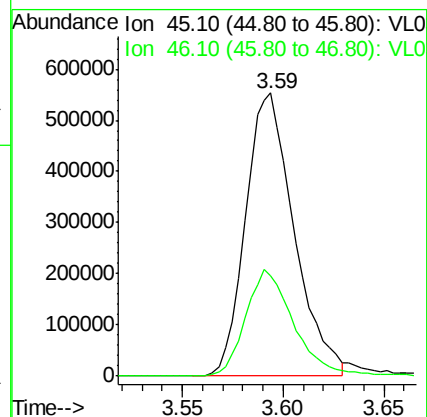
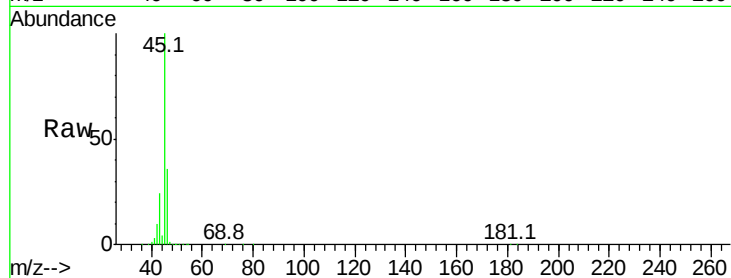
44-2

Tgt Ion: 45 Resp: 931585

Ion Ratio Lower Upper

45 100

46 38.0 14.9 59.7



#15

Acetone

Concen: 11.755 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.00 min

Lab File: VL034539.D

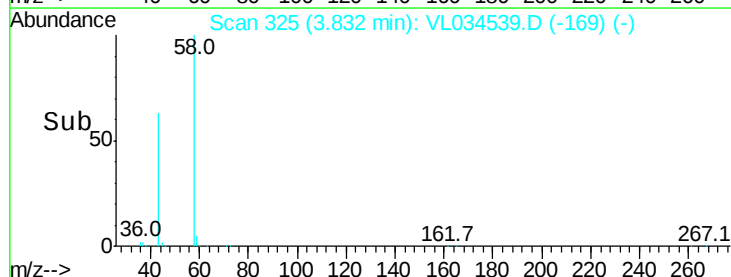
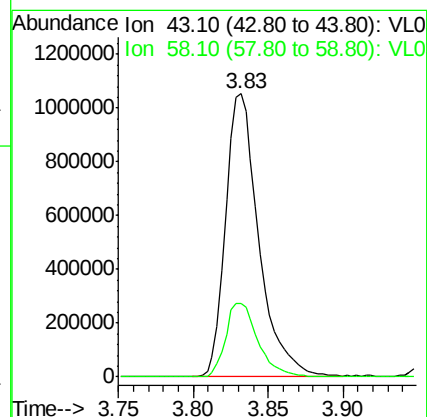
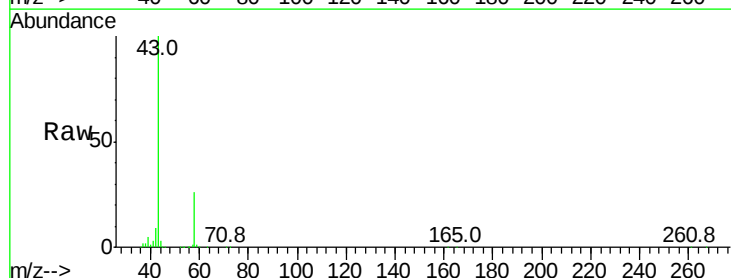
Acq: 31 Dec 2019 9:03

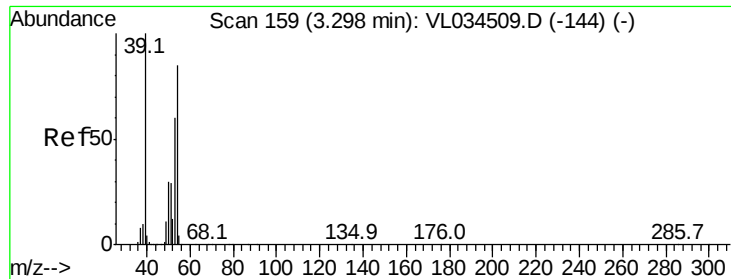
Tgt Ion: 43 Resp: 1631452

Ion Ratio Lower Upper

43 100

58 25.6 20.4 30.6

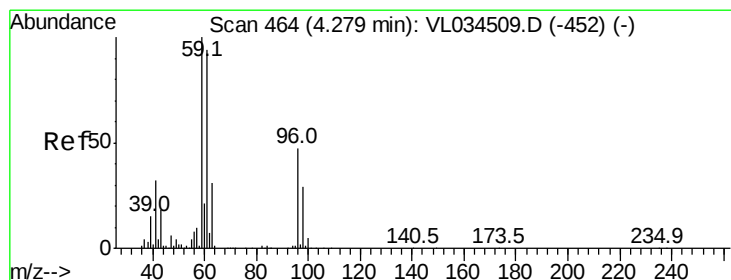
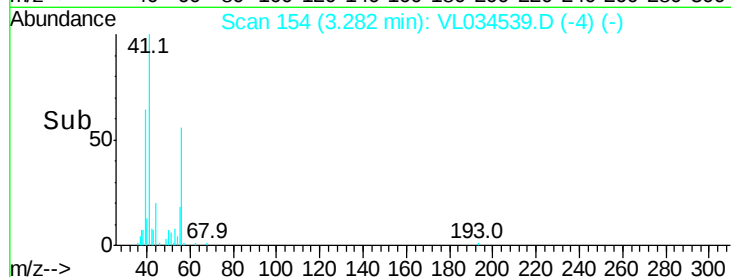
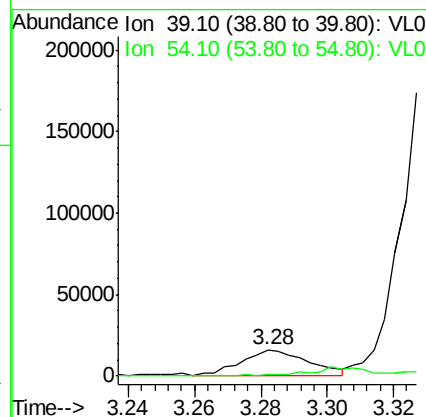
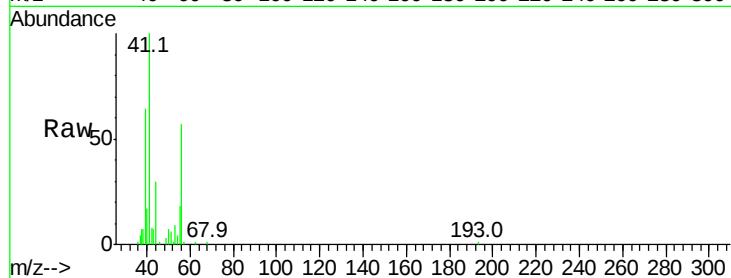




#16
1,3-Butadiene
Concen: 0.395 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.02 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

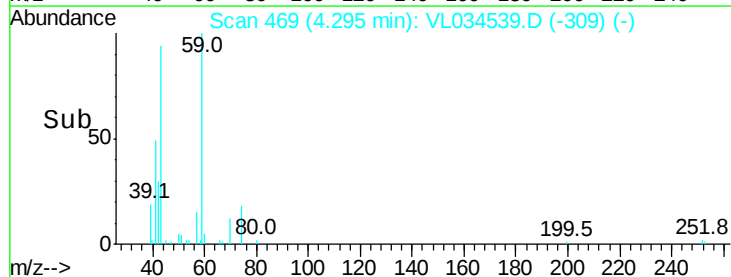
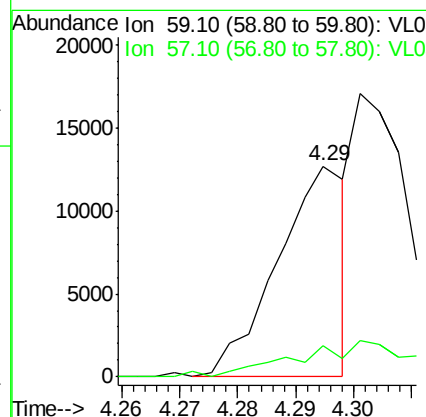
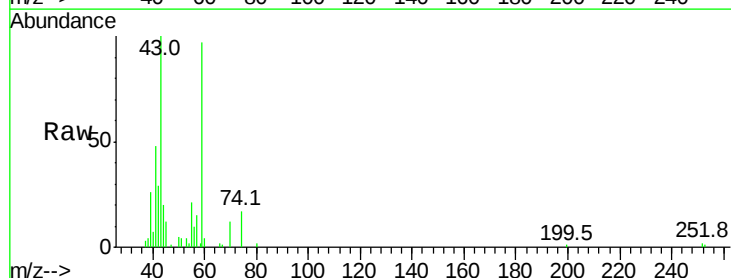
Instrument :
MSVOA_L
ClientSampleId :
44-2

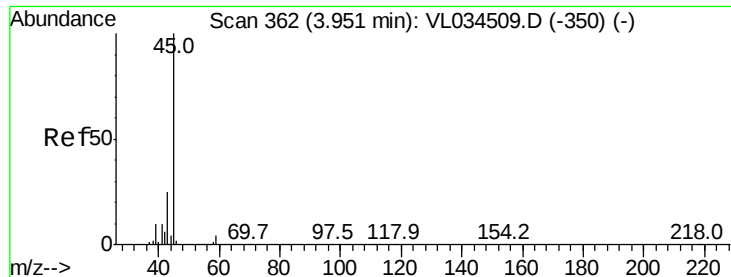
Tgt Ion: 39 Resp: 21080
Ion Ratio Lower Upper
39 100
54 49.9 66.2 99.2#



#17
tert-Butyl alcohol
Concen: 0.094 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion: 59 Resp: 10454
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 7.916 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

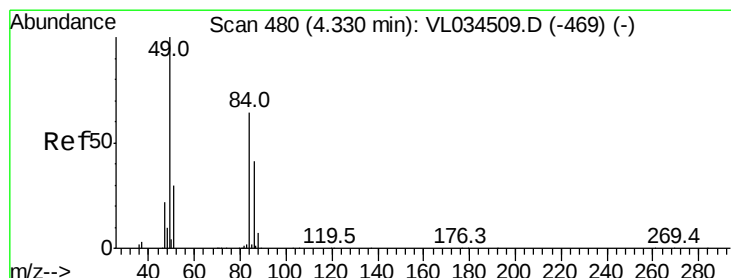
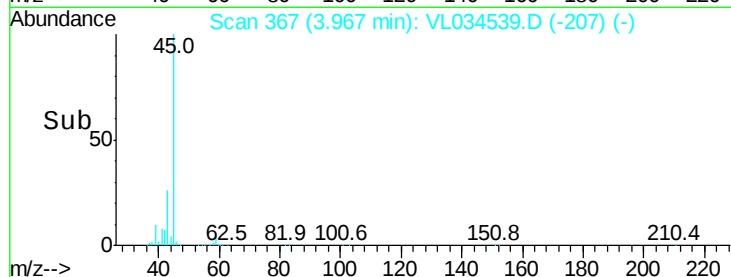
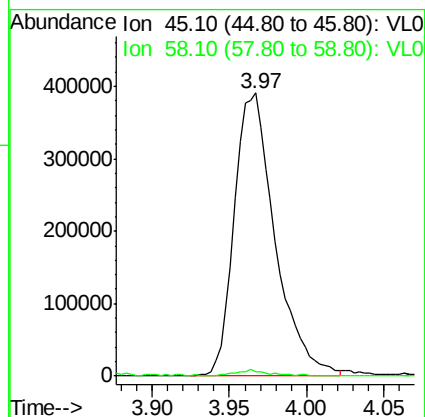
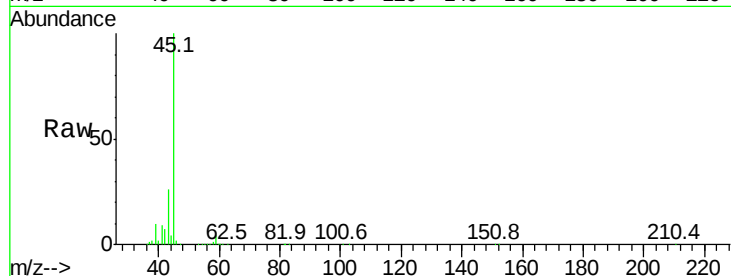
44-2

Tgt Ion: 45 Resp: 711179

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.0#



#20

Methylene Chloride

Concen: 0.998 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tgt Ion: 84 Resp: 54513

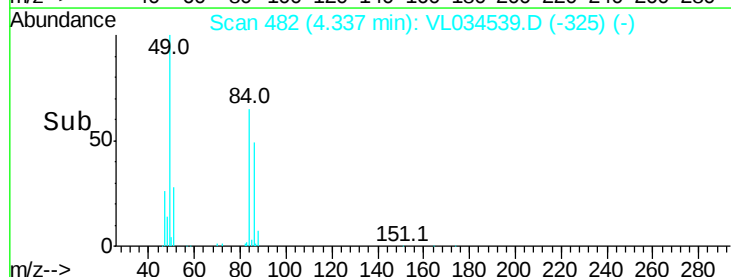
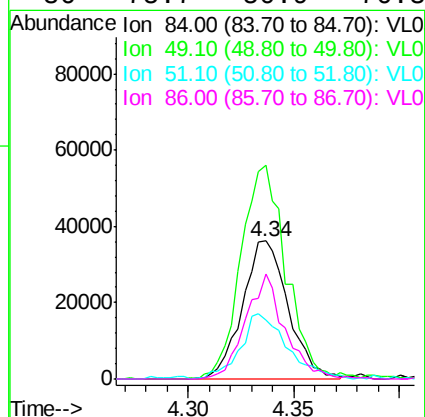
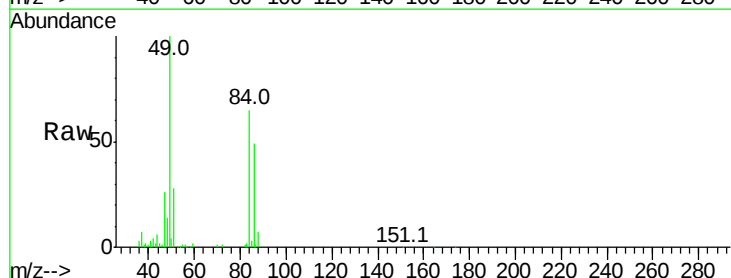
Ion Ratio Lower Upper

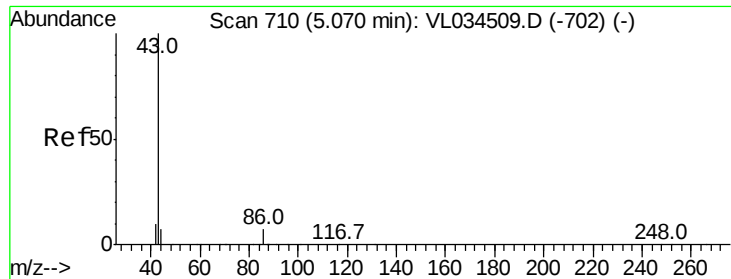
84 100

49 154.3 124.4 186.6

51 42.9 37.0 55.6

86 75.7 50.9 76.3

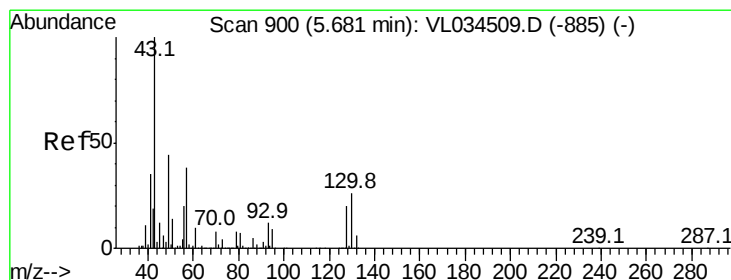
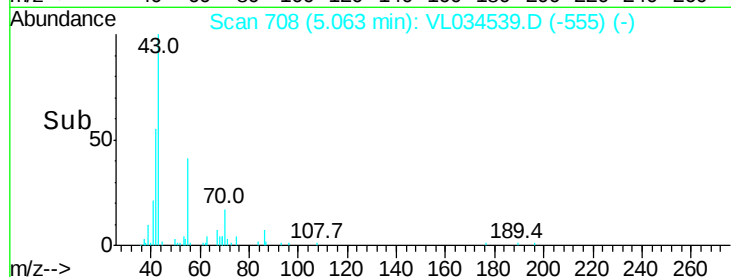
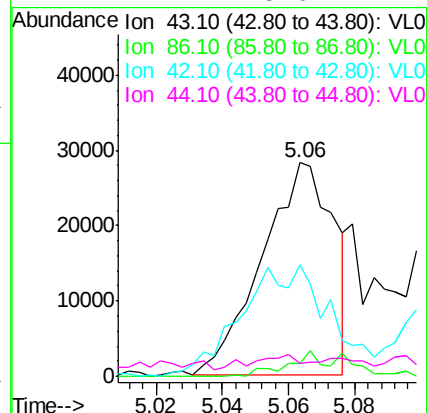
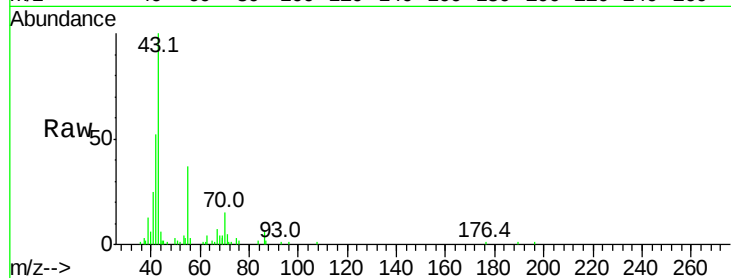




#23
 Vinyl Acetate
 Concen: 0.265 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

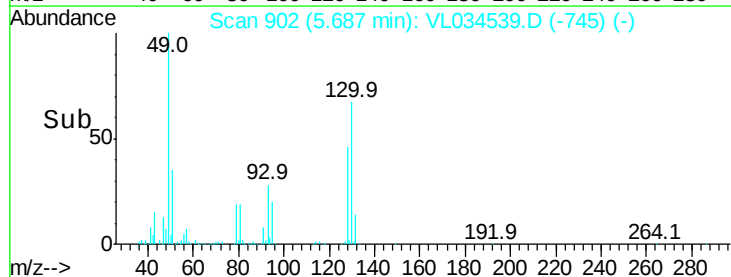
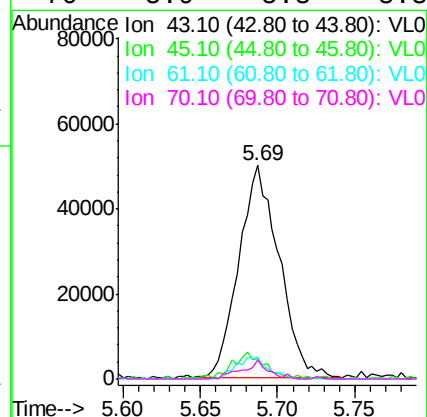
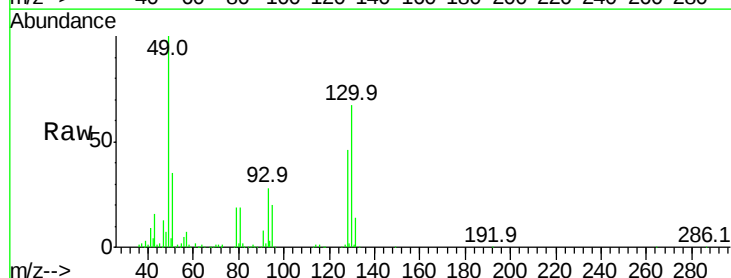
Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

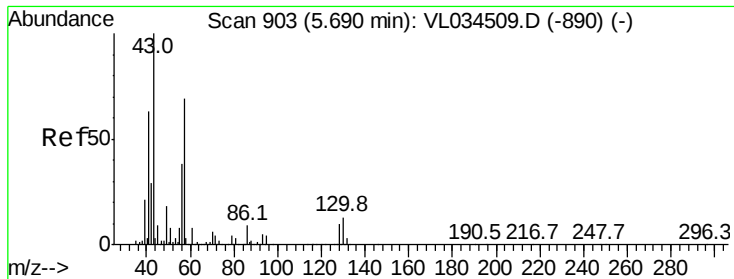
Tgt Ion:	43	Resp:	42470
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.4	8.2
42	46.6	8.9	13.3#
44	2.1	5.0	7.4#



#25
 Ethyl Acetate
 Concen: 0.419 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion:	43	Resp:	90834
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.3	12.5
61	8.2	7.8	11.6
70	5.9	5.8	8.8





#26

Hexane

Concen: 0.588 ppbv

RT: 5.70 min Scan# 905

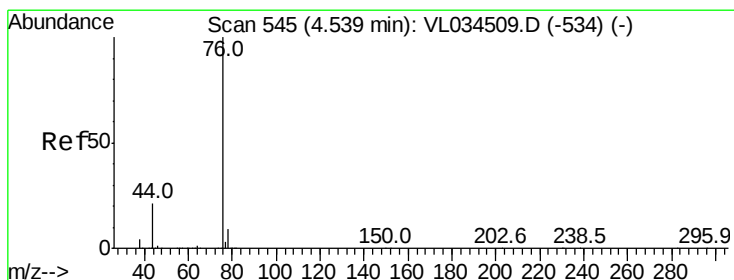
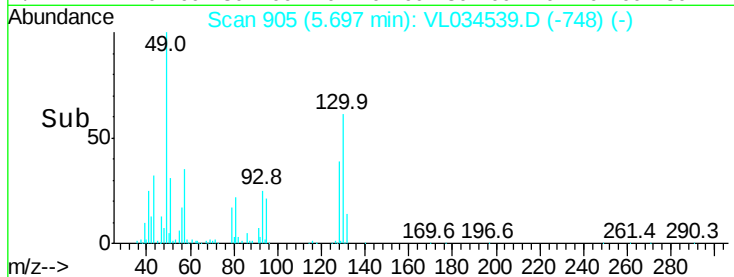
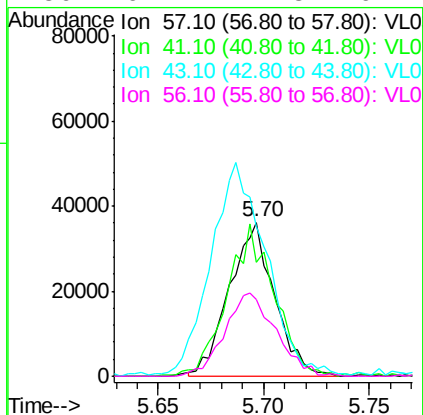
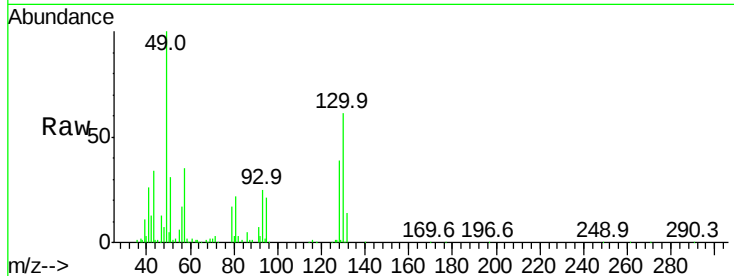
Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :
MSVOA_L
ClientSampleId :
44-2

Tgt Ion:	57	Resp:	53678
Ion	Ratio	Lower	Upper
57	100		
41	104.5	75.3	112.9
43	173.7	189.4	284.2#
56	61.4	42.8	64.2



#27

Carbon Disulfide

Concen: 0.105 ppbv

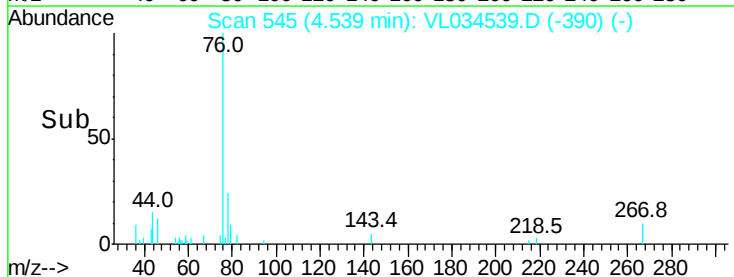
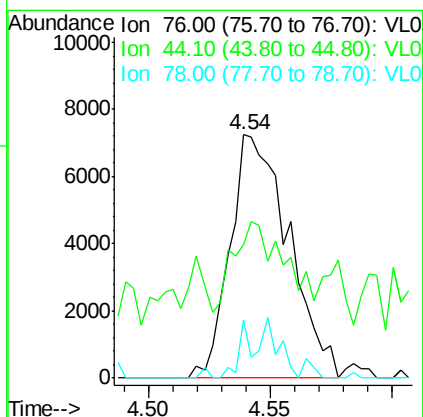
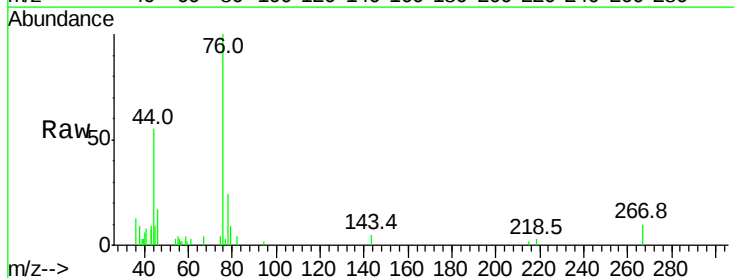
RT: 4.54 min Scan# 545

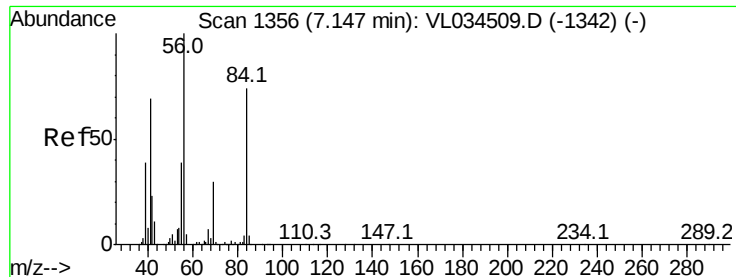
Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tgt Ion:	76	Resp:	12090
Ion	Ratio	Lower	Upper
76	100		
44	58.9	16.6	25.0#
78	14.3	7.4	11.0#

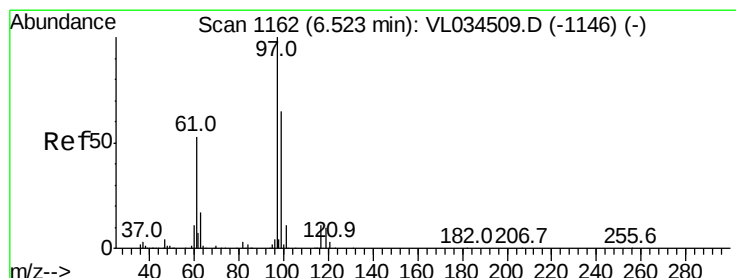
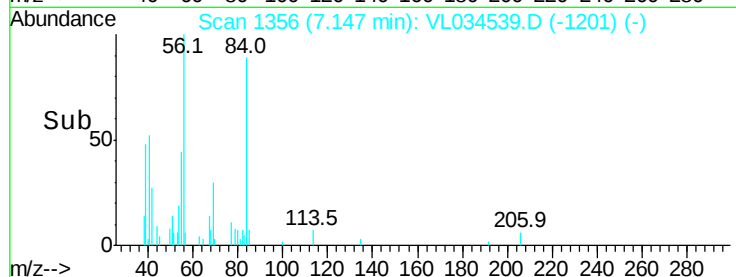
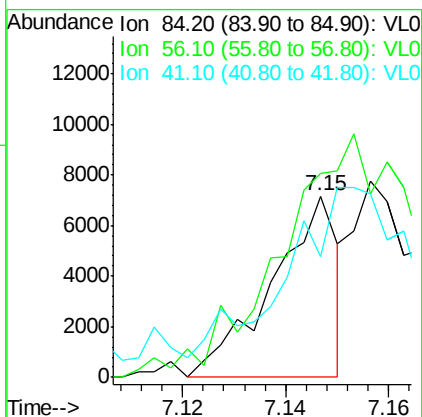
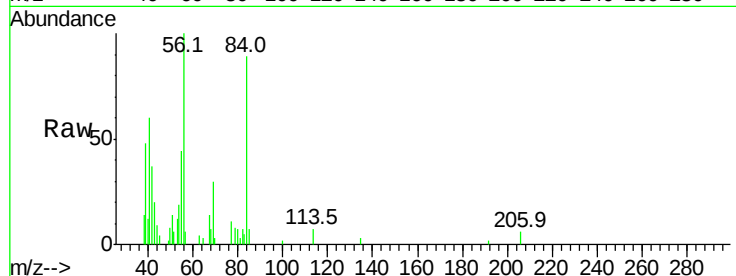




#30
Cyclohexane
Concen: 0.092 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

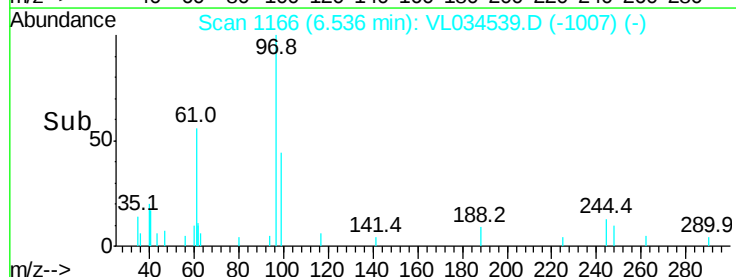
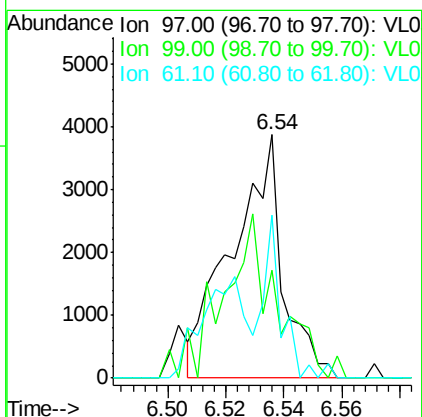
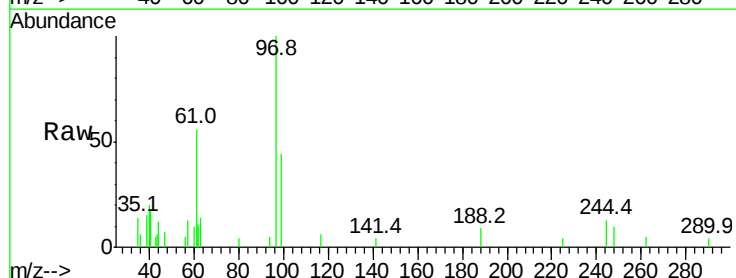
Instrument :
MSVOA_L
ClientSampleId :
44-2

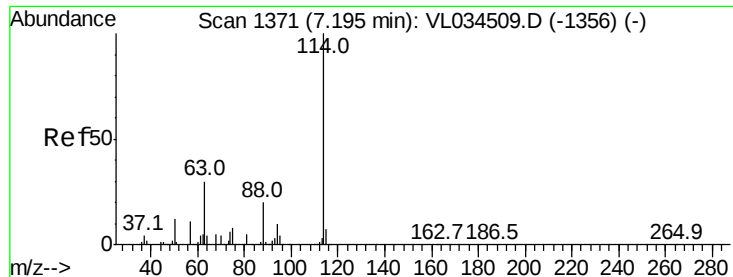
Tgt Ion: 84 Resp: 6267
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 221.5 73.0 109.4#



#32
1,1,1-Trichloroethane
Concen: 0.029 ppbv
RT: 6.54 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion: 97 Resp: 4737
Ion Ratio Lower Upper
97 100
99 71.8 51.7 77.5
61 59.2 42.9 64.3

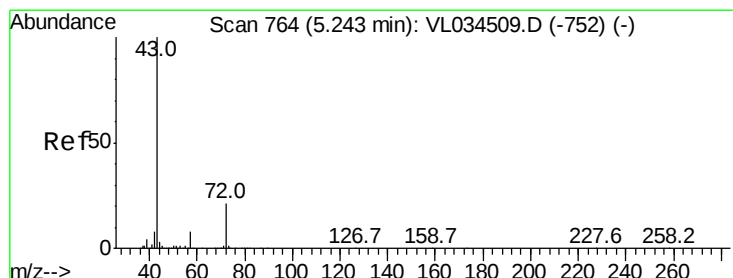
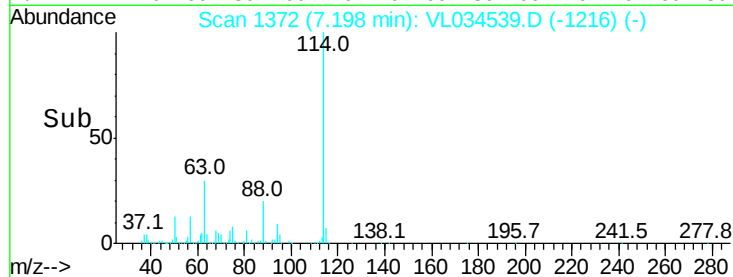
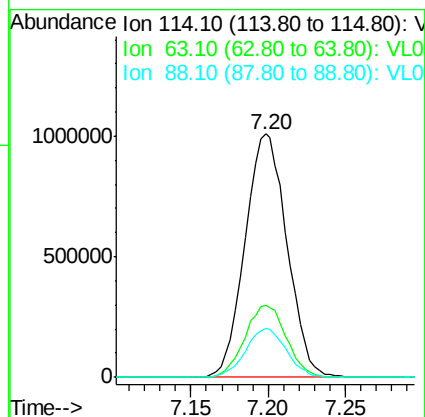
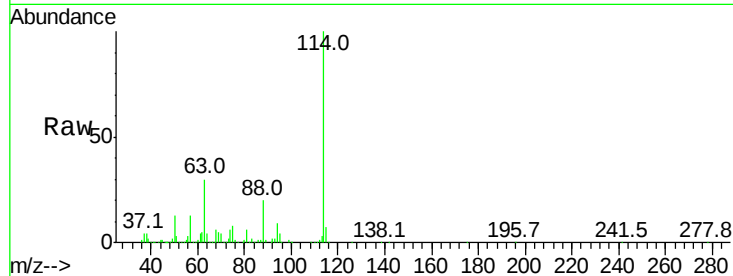




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

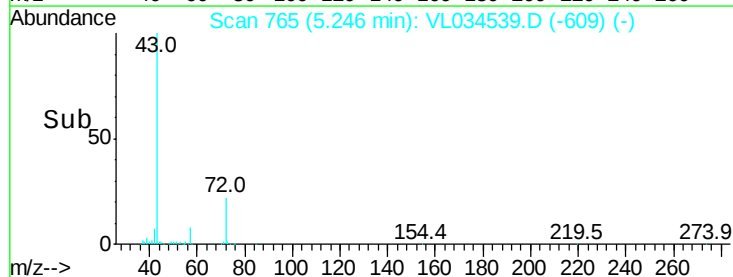
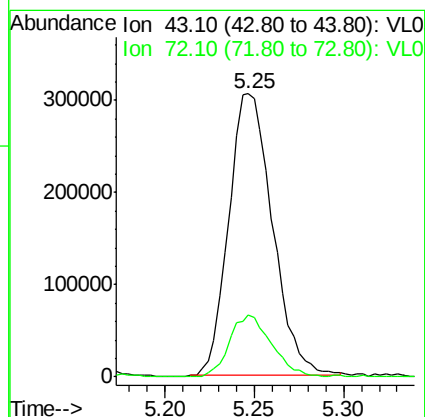
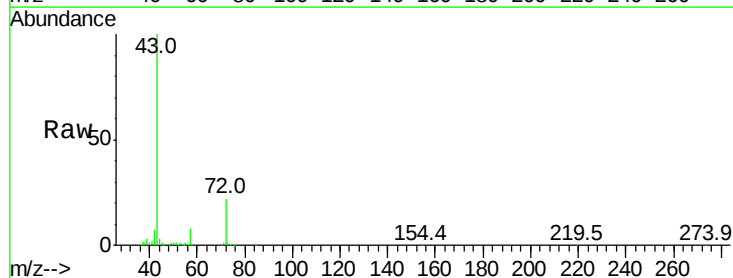
Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

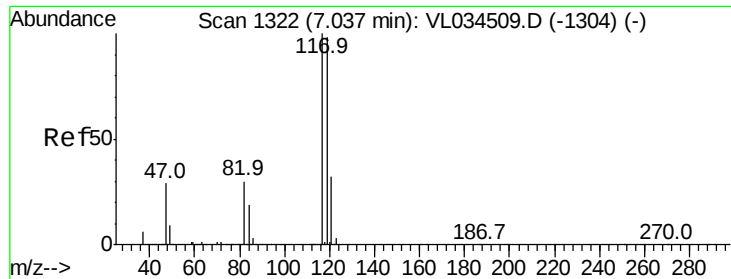
Tgt Ion: 114 Resp: 1899916
 Ion Ratio Lower Upper
 114 100
 63 29.4 24.1 36.1
 88 19.5 15.7 23.5



#34
 2-Butanone
 Concen: 3.839 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion: 43 Resp: 521283
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.0 25.4





#35

Carbon Tetrachloride

Concen: 0.024 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampled :

44-2

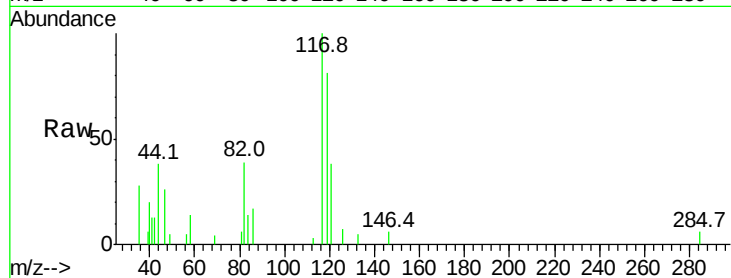
Tgt Ion:117 Resp: 4190

Ion Ratio Lower Upper

117 100

119 80.7 78.7 118.1

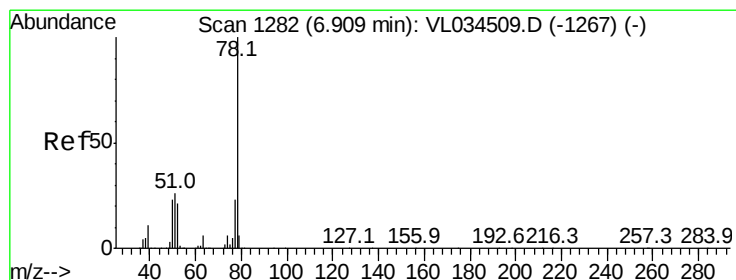
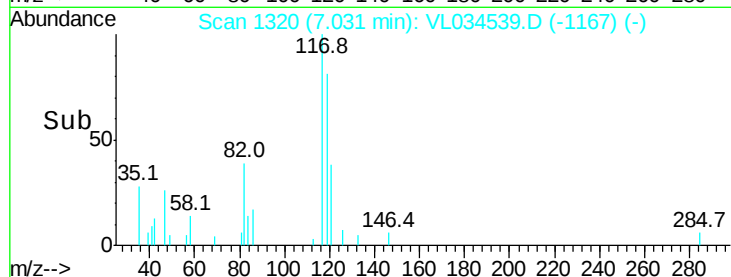
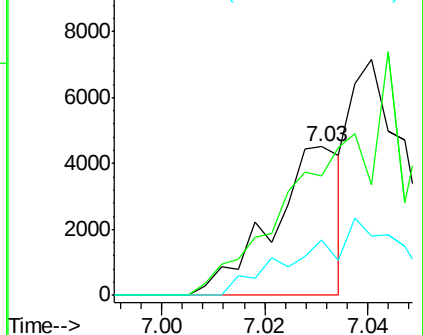
121 37.7 25.9 38.9



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: 0.447 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

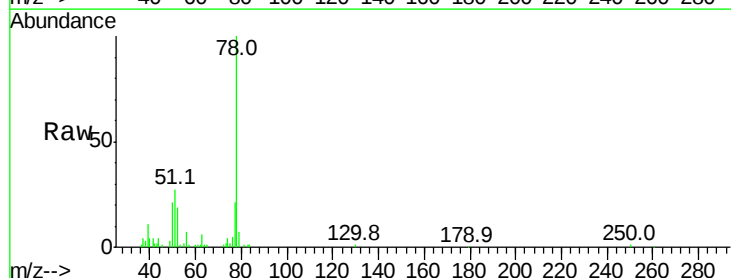
Tgt Ion: 78 Resp: 73979

Ion Ratio Lower Upper

78 100

77 20.9 18.6 28.0

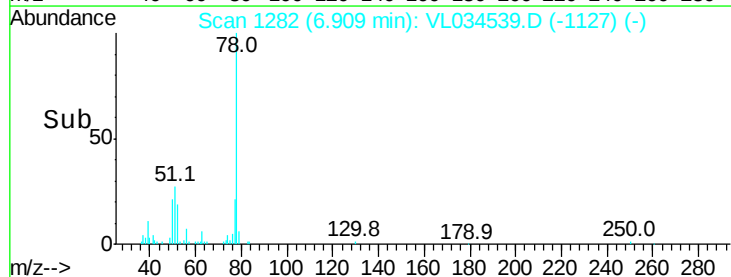
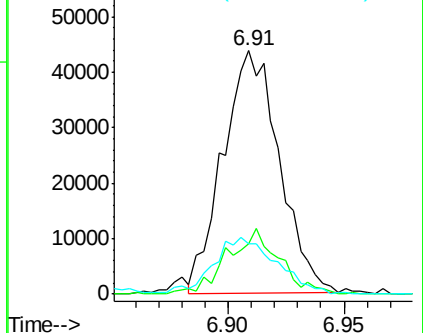
50 20.2 18.8 28.2

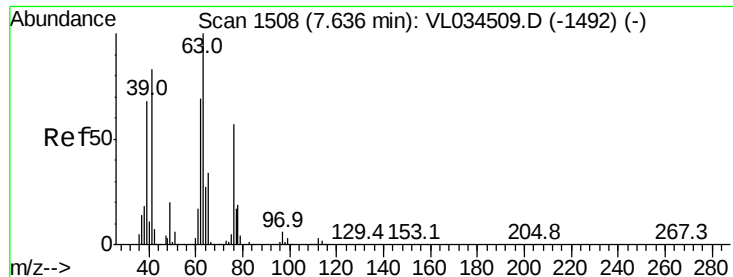


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 8.184 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.44 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

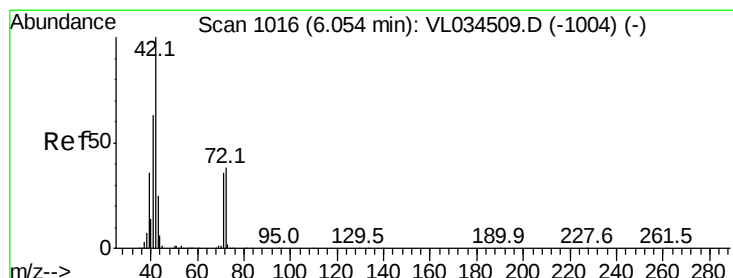
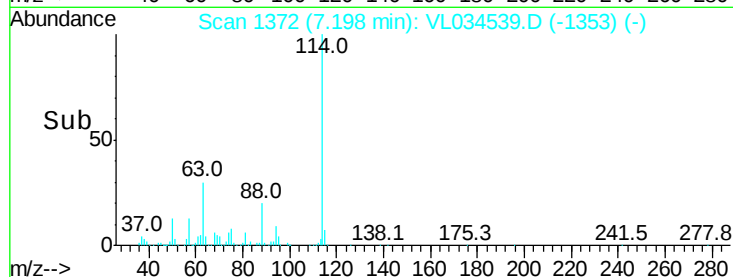
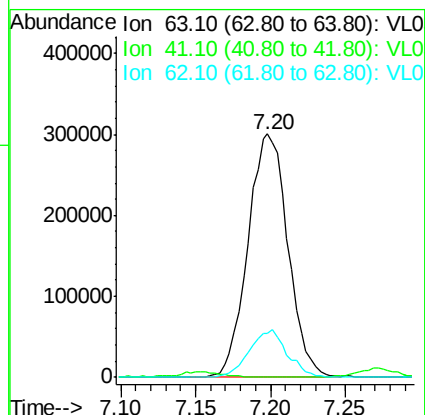
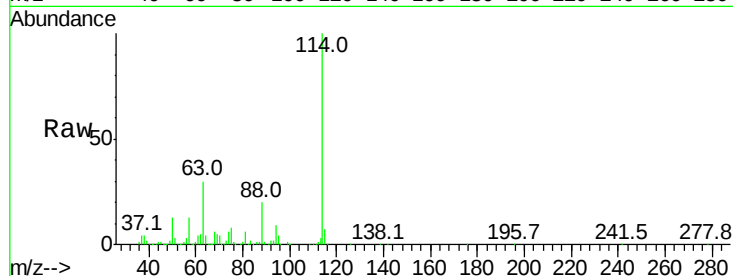
Tgt Ion: 63 Resp: 557356

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

62 18.2 54.9 82.3#



#41

Tetrahydrofuran

Concen: 0.825 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.02 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

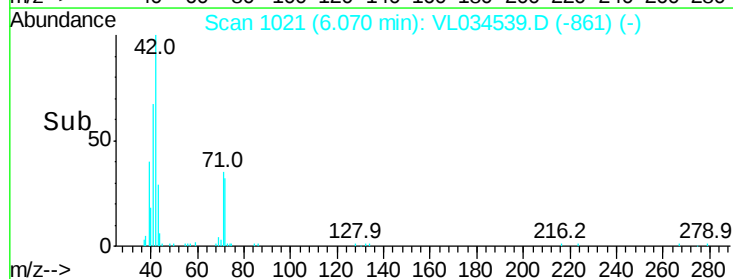
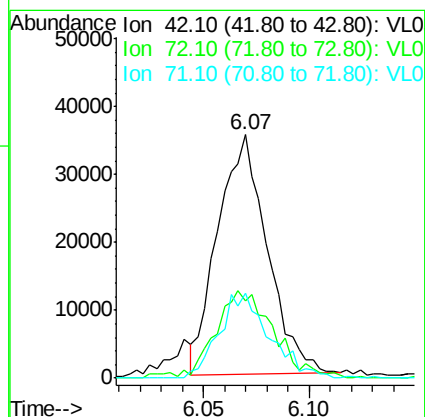
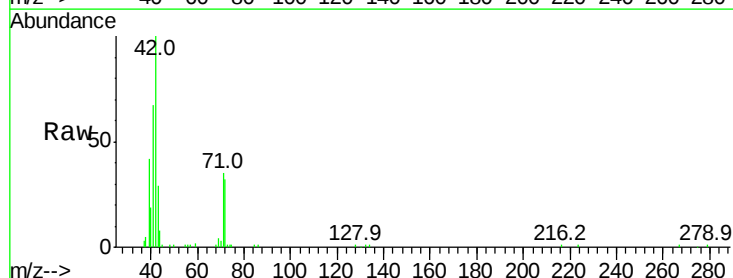
Tgt Ion: 42 Resp: 57472

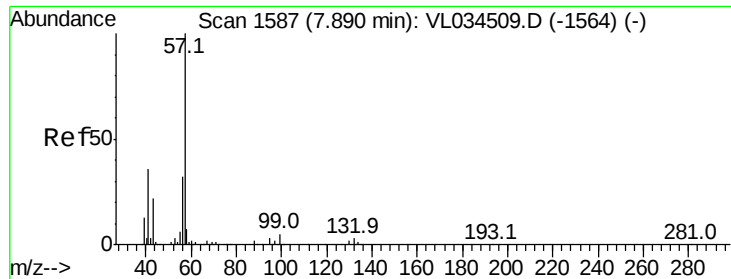
Ion Ratio Lower Upper

42 100

72 43.5 30.9 46.3

71 36.3 28.9 43.3

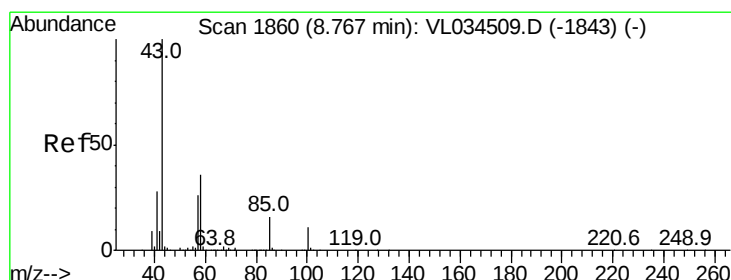
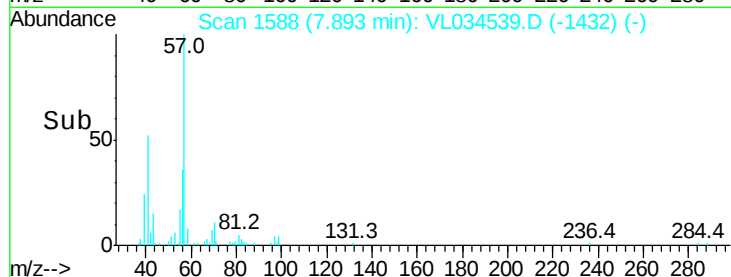
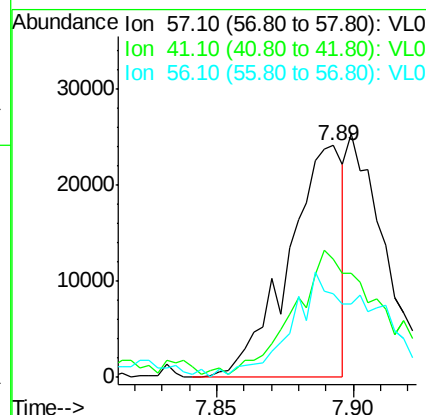
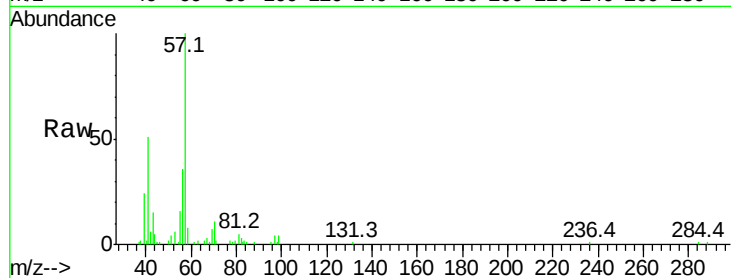




#44
 2,2,4-Trimethylpentane
 Concen: 0.109 ppbv
 RT: 7.89 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

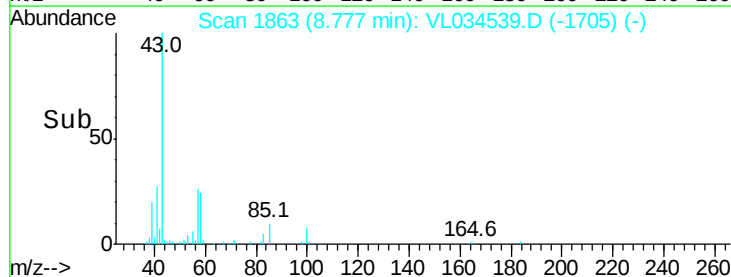
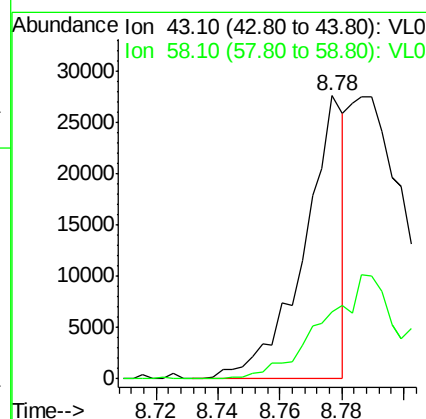
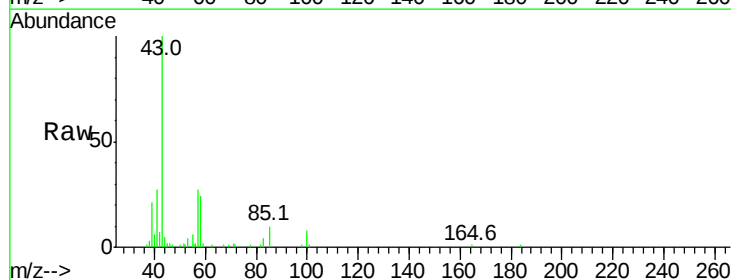
Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

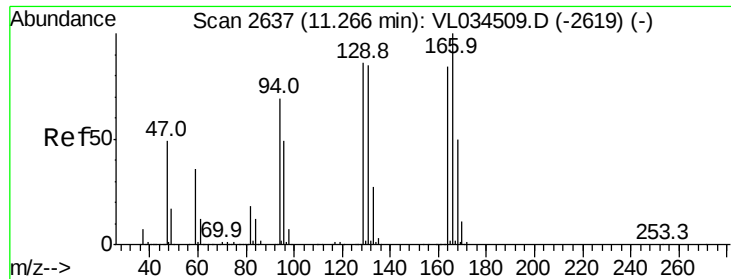
Tgt Ion: 57 Resp: 33509
 Ion Ratio Lower Upper
 57 100
 41 91.2 29.0 43.4#
 56 71.5 24.9 37.3#



#50
 4-Methyl-2-Pentanone
 Concen: 0.127 ppbv
 RT: 8.78 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion: 43 Resp: 25121
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.2 42.2#





#52

Tetrachloroethene

Concen: 0.201 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

Tgt Ion:164 Resp: 12984

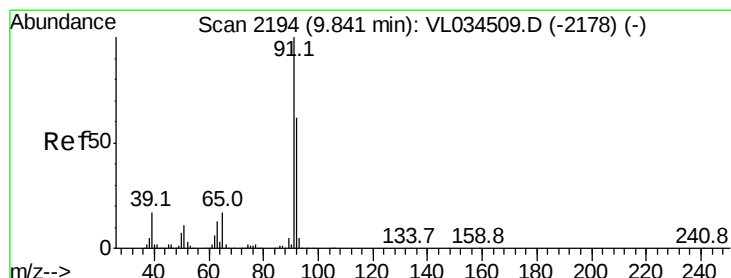
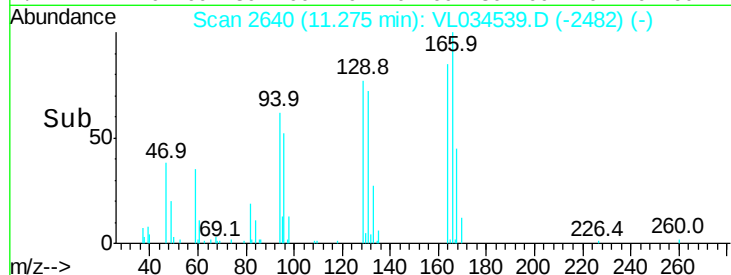
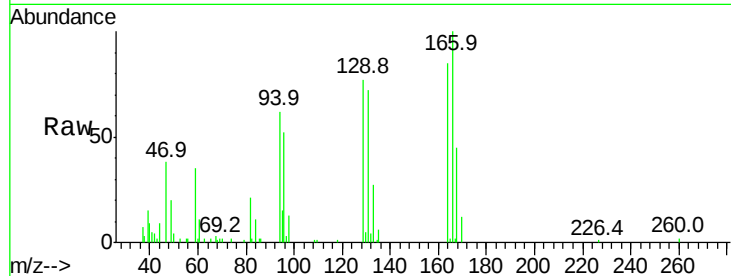
Ion Ratio Lower Upper

164 100

166 119.1 95.7 143.5

129 96.6 82.2 123.2

131 85.9 81.3 121.9



#53

Toluene

Concen: 2.713 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VL034539.D

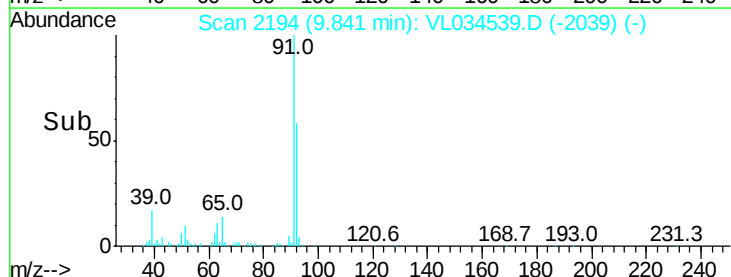
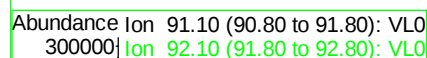
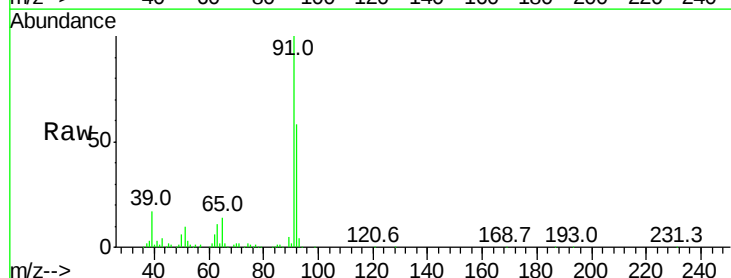
Acq: 31 Dec 2019 9:03

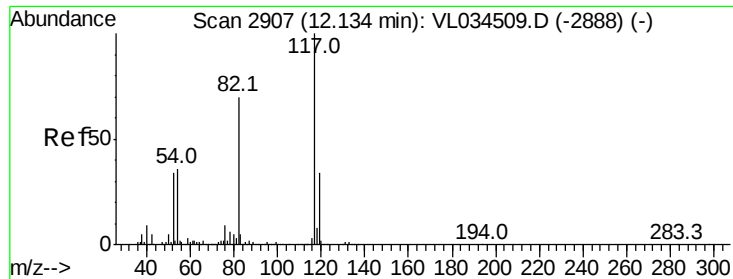
Tgt Ion: 91 Resp: 493689

Ion Ratio Lower Upper

91 100

92 59.5 48.4 72.6

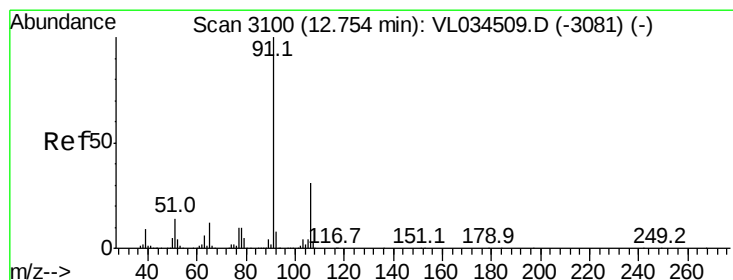
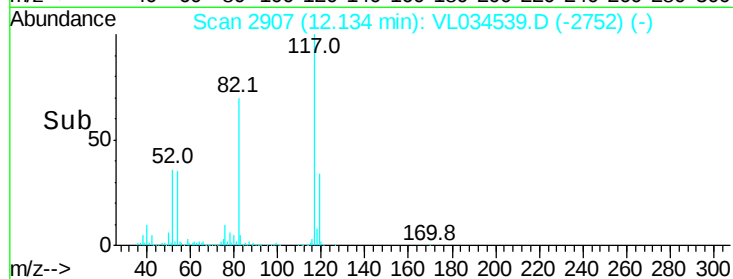
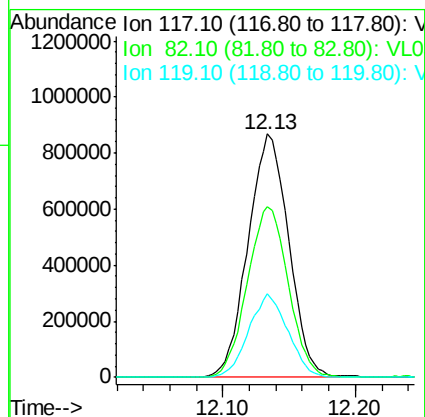
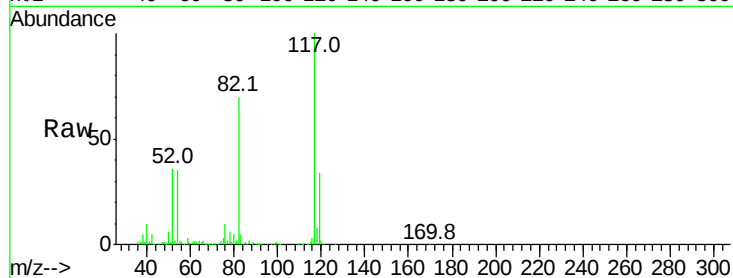




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

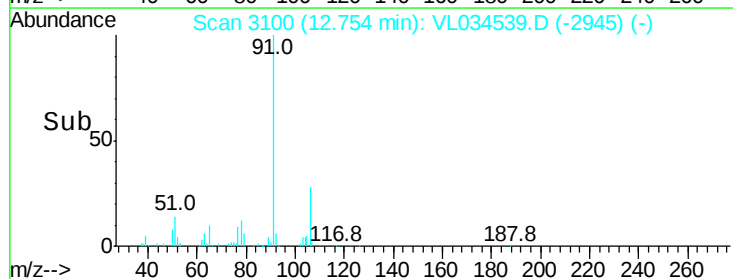
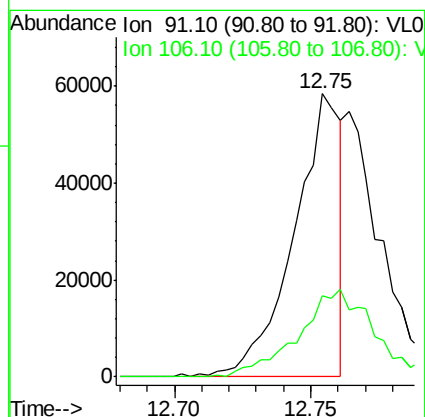
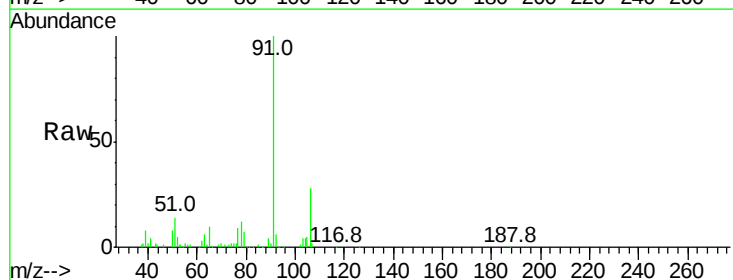
Instrument :
MSVOA_L
ClientSampleId :
44-2

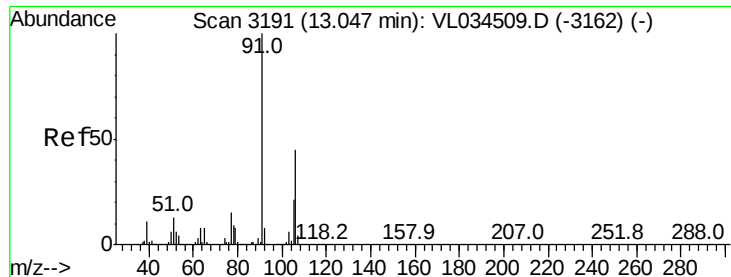
Tgt Ion: 117 Resp: 1849409
Ion Ratio Lower Upper
117 100
82 70.6 56.2 84.4
119 33.1 27.1 40.7



#58
Ethyl Benzene
Concen: 0.278 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. -0.00 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion: 91 Resp: 69297
Ion Ratio Lower Upper
91 100
106 28.1 24.6 36.8

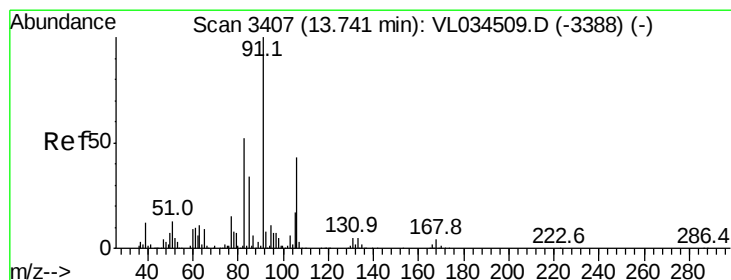
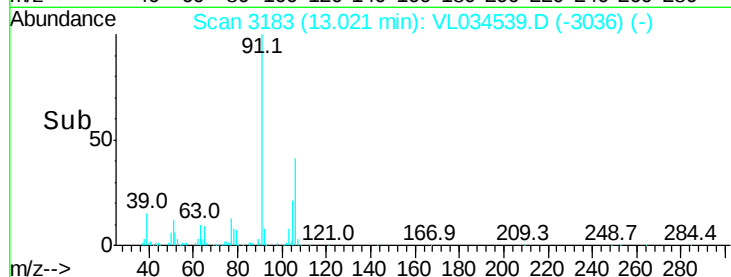
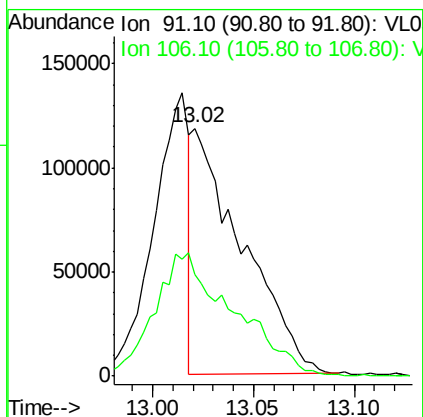
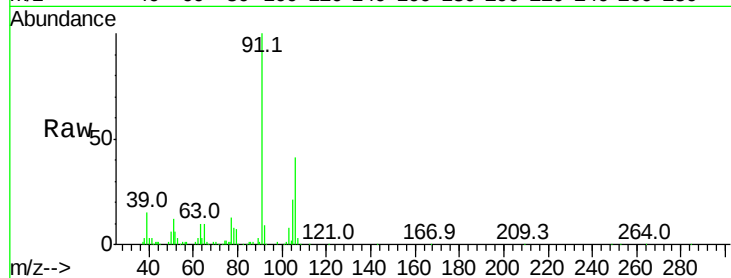




#59
m/p-Xylene
Concen: 0.929 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.03 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

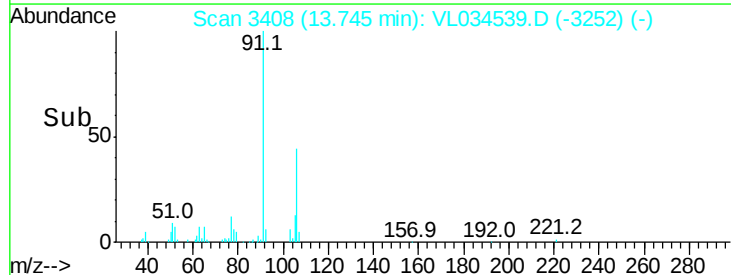
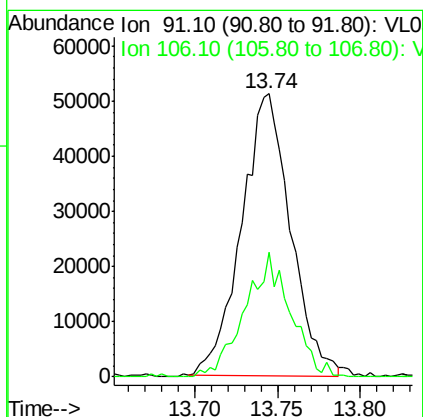
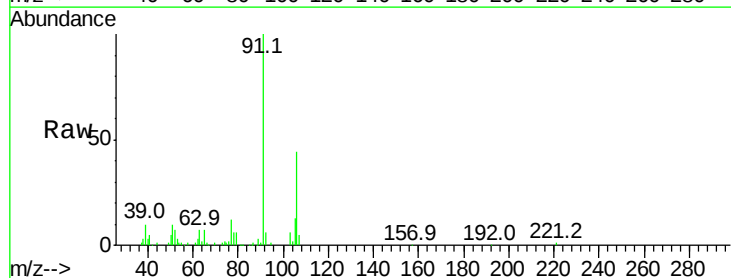
Instrument :
MSVOA_L
ClientSampleId :
44-2

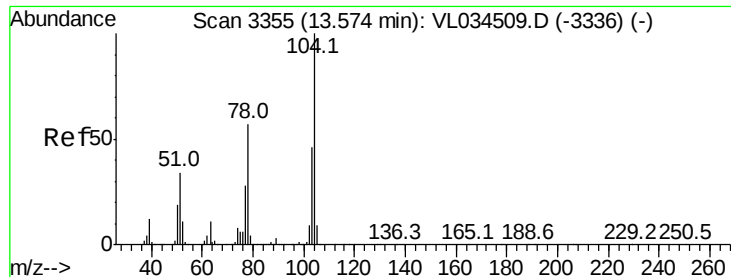
Tgt Ion: 91 Resp: 202577
Ion Ratio Lower Upper
91 100
106 80.2 35.6 53.4#



#60
o-Xylene
Concen: 0.483 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VL034539.D
Acq: 31 Dec 2019 9:03

Tgt Ion: 91 Resp: 105655
Ion Ratio Lower Upper
91 100
106 40.7 21.4 64.3





#61

Styrene

Concen: 0.044 ppbv

RT: 13.58 min Scan# 3357

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

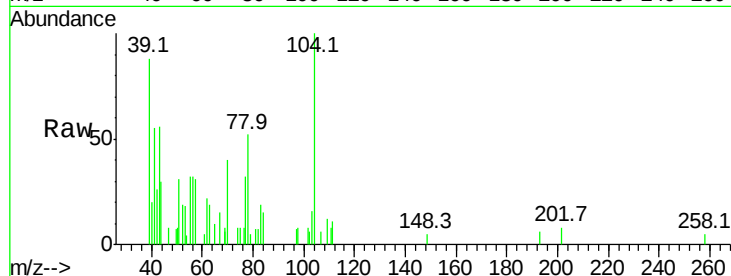
Tgt Ion:104 Resp: 6621

Ion Ratio Lower Upper

104 100

78 73.9 47.7 71.5#

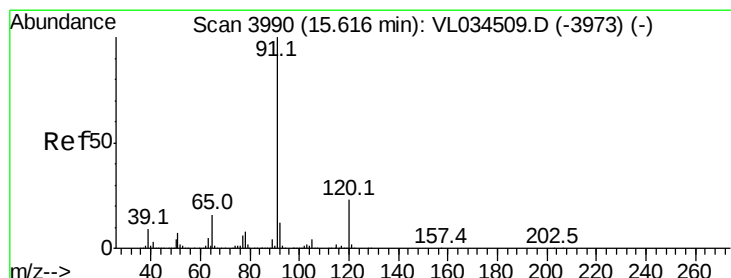
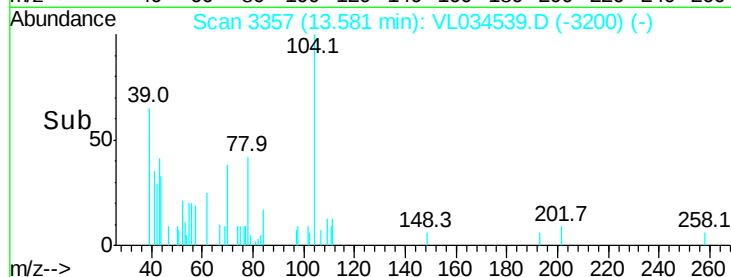
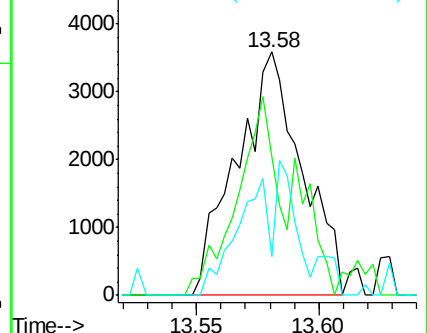
103 46.2 38.6 58.0



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



#64

n-propylbenzene

Concen: 0.064 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. -0.01 min

Lab File: VL034539.D

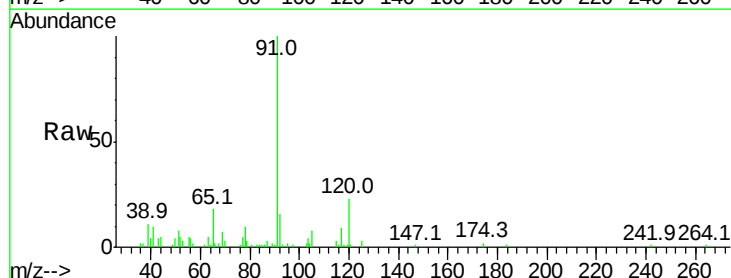
Acq: 31 Dec 2019 9:03

Tgt Ion:120 Resp: 4666

Ion Ratio Lower Upper

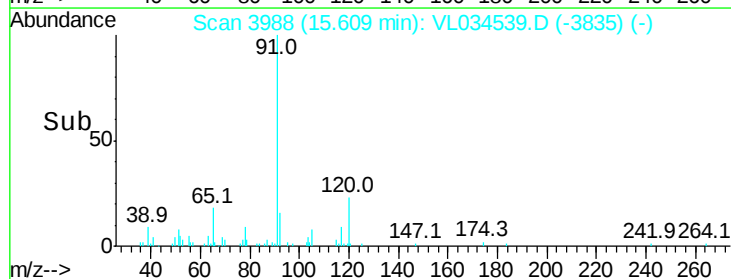
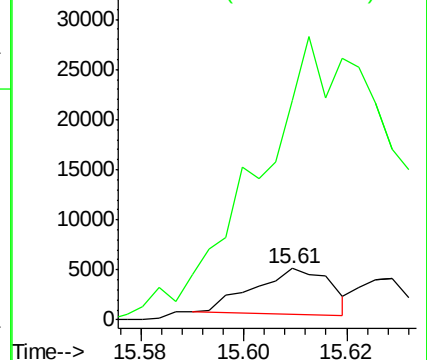
120 100

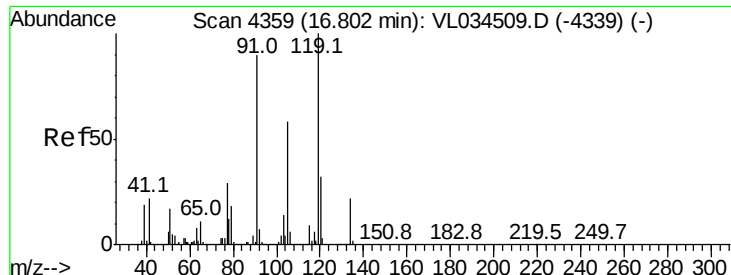
91 1236.6 375.6 563.4#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.038 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

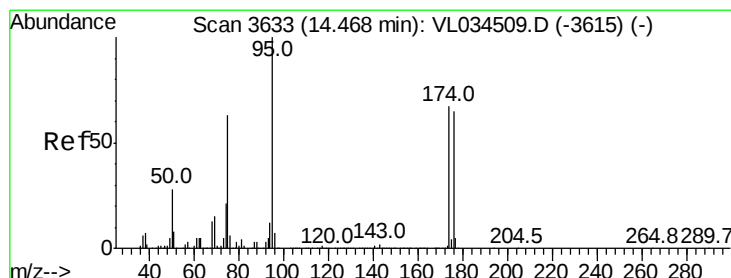
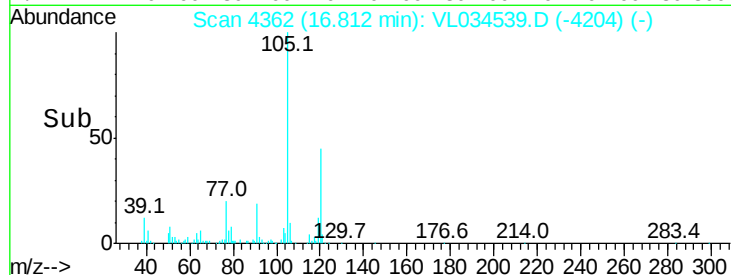
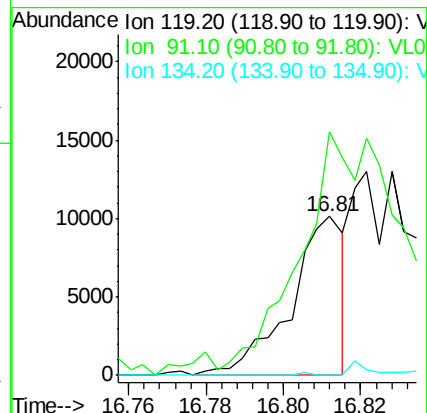
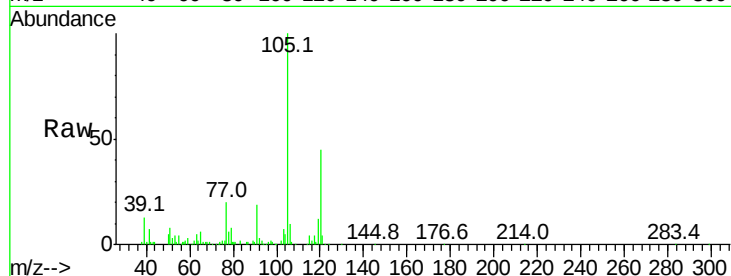
Tgt Ion:119 Resp: 9719

Ion Ratio Lower Upper

119 100

91 337.1 72.0 108.0#

134 0.0 16.1 24.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.139 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

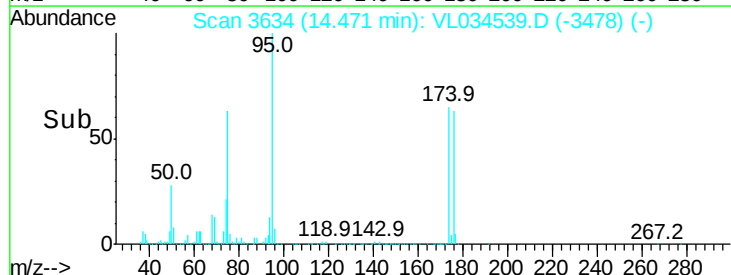
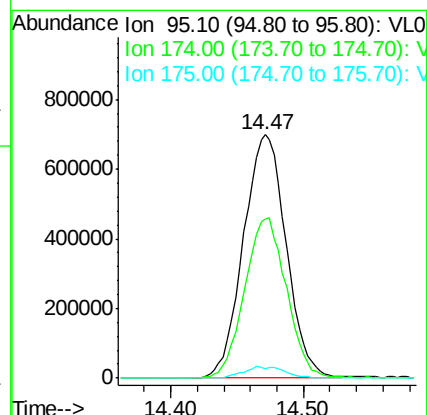
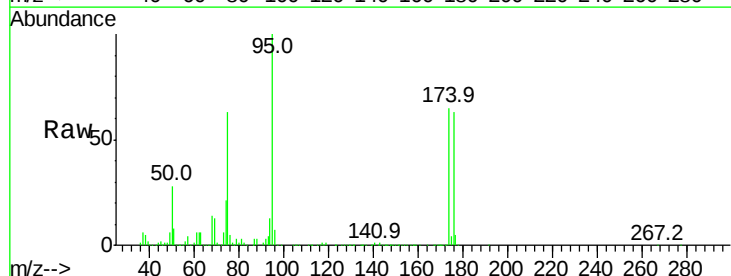
Tgt Ion: 95 Resp: 1564628

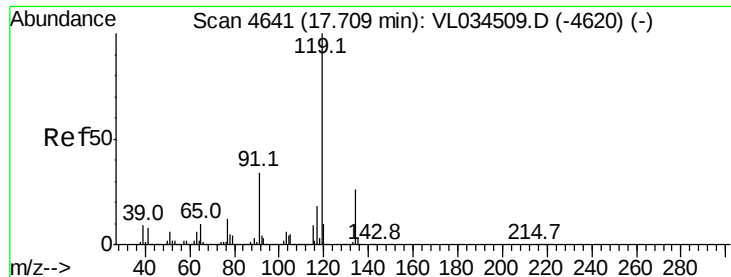
Ion Ratio Lower Upper

95 100

174 64.3 52.4 78.6

175 4.6 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.024 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. -0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

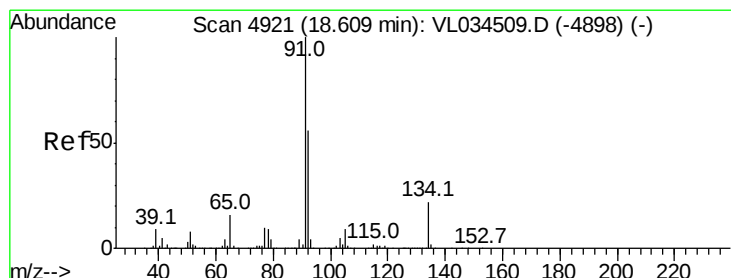
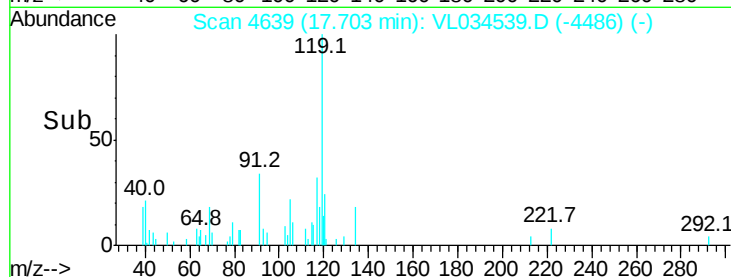
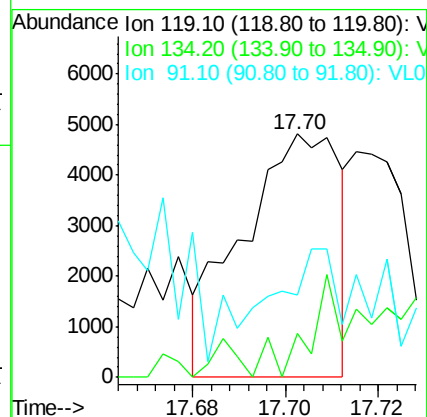
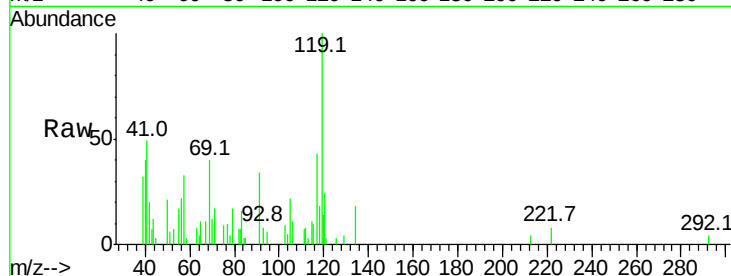
Tgt Ion: 119 Resp: 7052

Ion Ratio Lower Upper

119 100

134 41.5 20.7 31.1#

91 89.2 26.6 39.8#



#70

n-Butylbenzene

Concen: 0.023 ppbv

RT: 18.62 min Scan# 4923

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

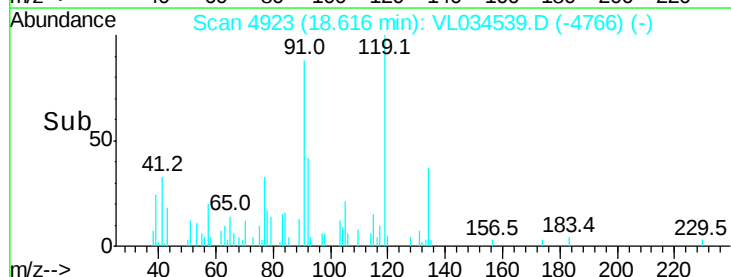
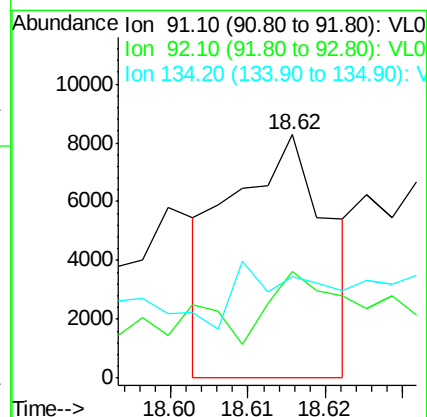
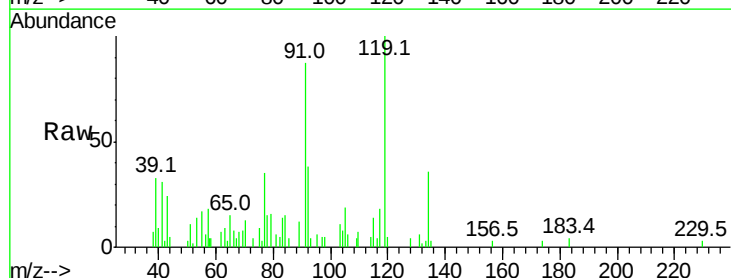
Tgt Ion: 91 Resp: 7332

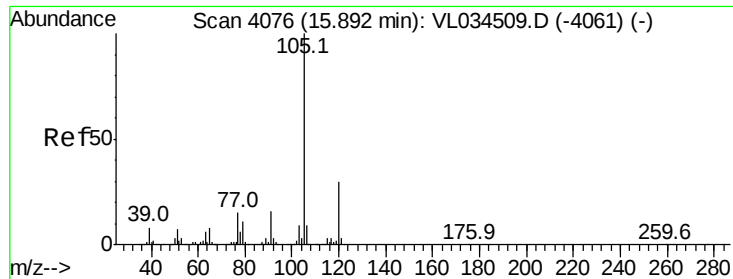
Ion Ratio Lower Upper

91 100

92 111.8 43.8 65.6#

134 0.0 18.0 27.0#





#72

4-Ethyltoluene

Concen: 0.193 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

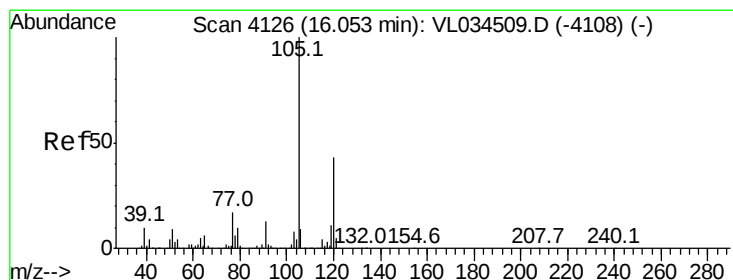
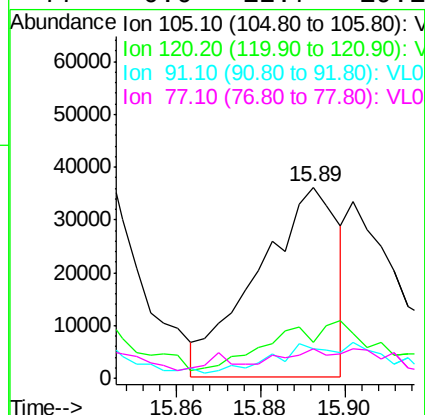
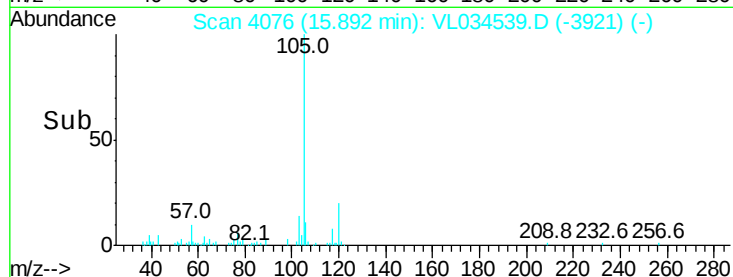
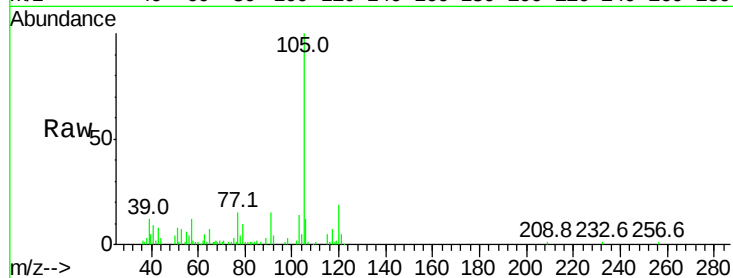
Instrument :

MSVOA_L

ClientSampleId :

44-2

Tgt Ion:	105	Resp:	47367
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.7	35.5#
91	0.0	11.5	17.3#
77	0.0	12.7	19.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.297 ppbv

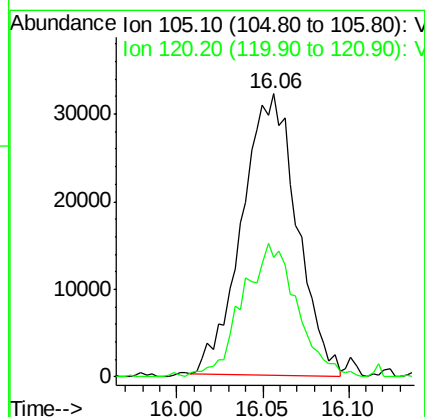
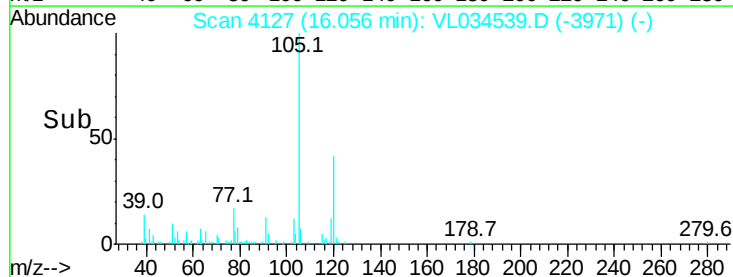
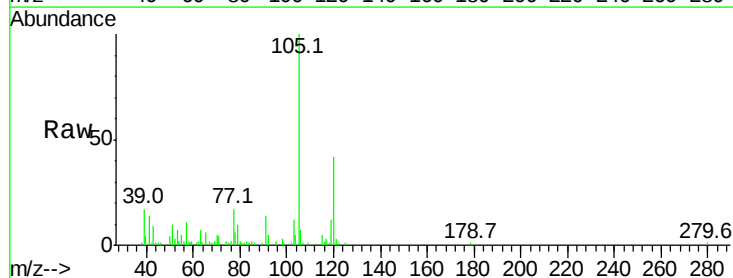
RT: 16.06 min Scan# 4127

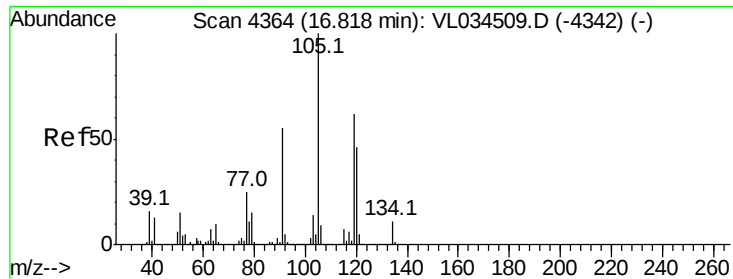
Delta R.T. 0.00 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Tgt Ion:	105	Resp:	71419
Ion Ratio	Lower	Upper	
105	100		
120	43.7	34.6	52.0

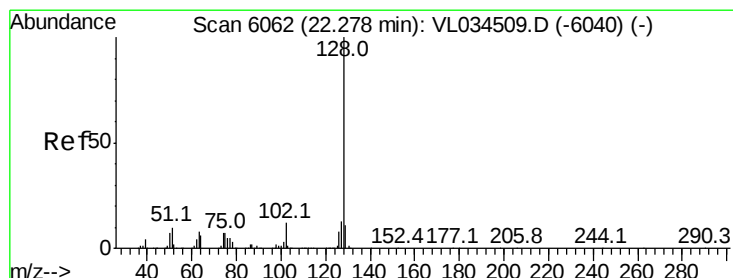
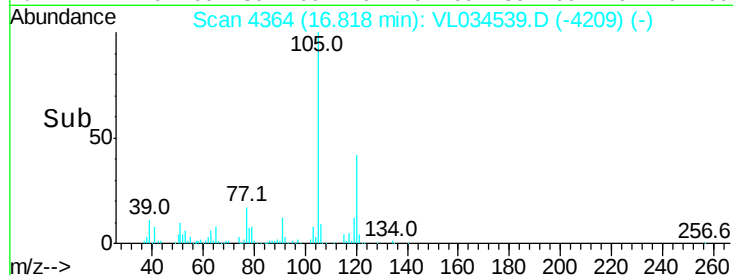
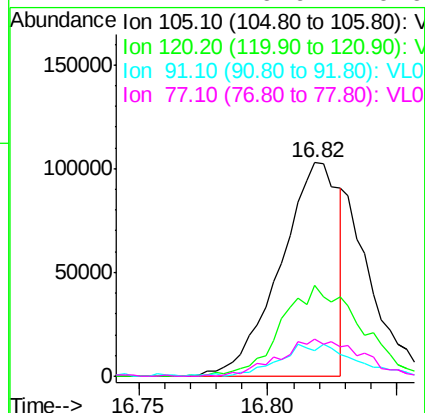
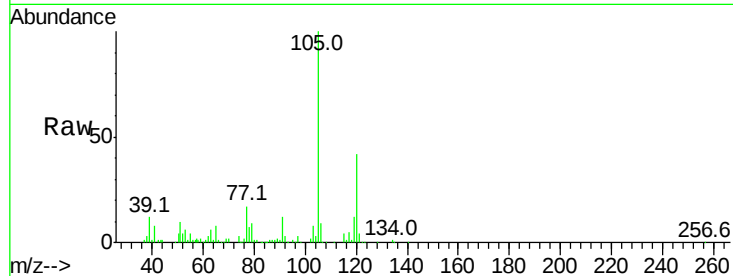




#74
 1,2,4-Trimethylbenzene
 Concen: 0.629 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. -0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

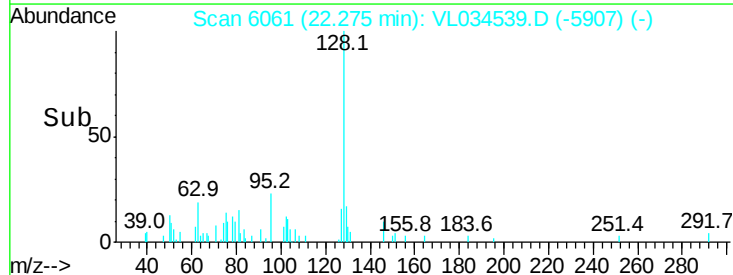
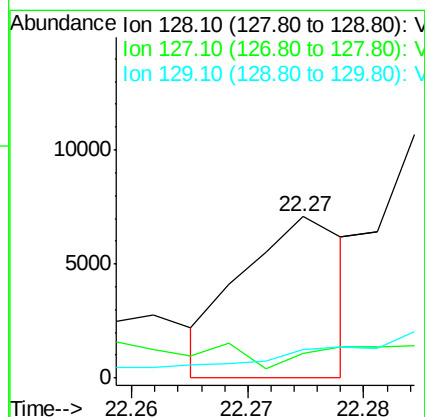
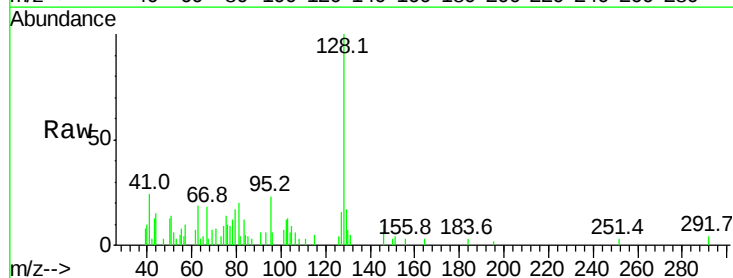
Instrument :
 MSVOA_L
 ClientSampleId :
 44-2

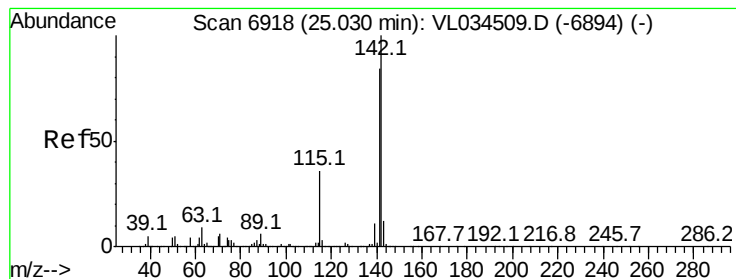
Tgt Ion:	105	Resp:	161612
Ion	Ratio	Lower	Upper
105	100		
120	42.1	36.7	55.1
91	11.4	44.0	66.0#
77	17.4	19.9	29.9#



#79
 Naphthalene
 Concen: 0.023 ppbv
 RT: 22.27 min Scan# 6061
 Delta R.T. -0.00 min
 Lab File: VL034539.D
 Acq: 31 Dec 2019 9:03

Tgt Ion:	128	Resp:	4415
Ion	Ratio	Lower	Upper
128	100		
127	2.1	10.6	15.8#
129	12.8	8.7	13.1





#80

Naphthalene, 2-methyl-

Concen: 0.111 ppbv

RT: 25.04 min Scan# 6920

Delta R.T. 0.01 min

Lab File: VL034539.D

Acq: 31 Dec 2019 9:03

Instrument :

MSVOA_L

ClientSampleId :

44-2

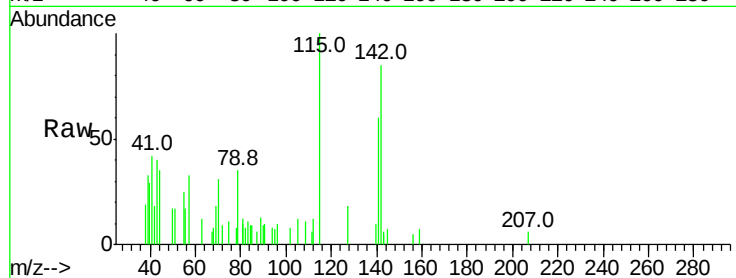
Tgt Ion:142 Resp: 5962

Ion Ratio Lower Upper

142 100

141 86.0 65.8 98.8

115 65.2 30.4 45.6#



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

