

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034427.D
 Acq On : 2 Dec 2019 15:38
 Operator : SY/AP
 Sample : K6068-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Quant Time: Dec 03 02:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	998284	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2095232	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.16	117	2062866	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1667208	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

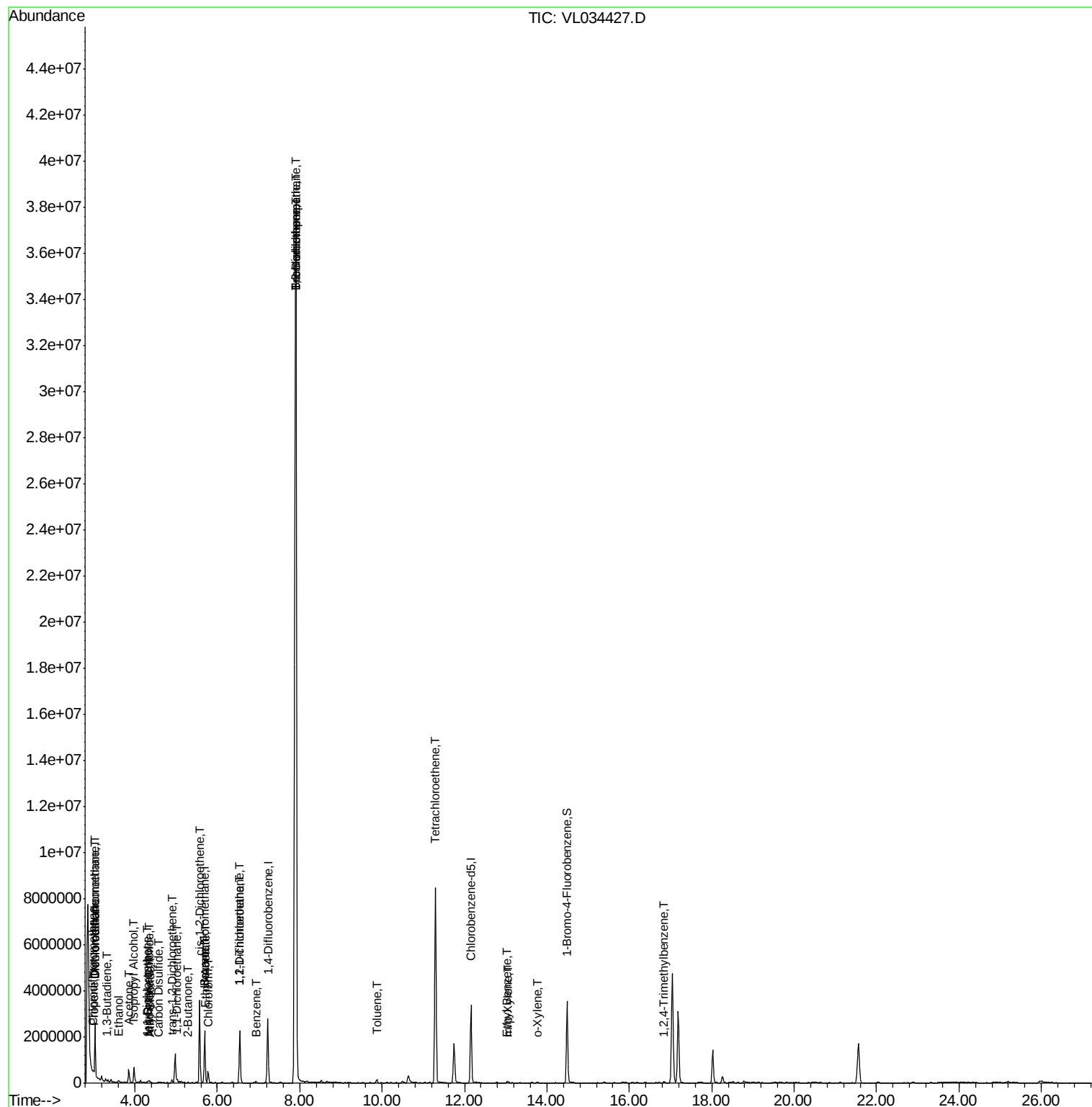
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.03	85	1567239	8.678	ppbv 99
3) Chlorodifluoromethane	2.97	51	9550	0.077	ppbv 99
4) Chloromethane	3.03	50	216912	2.952	ppbv # 42
8) Dichlorotetrafluoroethane	3.03	85	1567239	9.663	ppbv # 18
9) Propene	2.99	41	53404	0.966	ppbv 98
13) Ethanol	3.60	45	67975	4.413	ppbv 91
15) Acetone	3.85	43	584719	4.090	ppbv 99
16) 1,3-Butadiene	3.32	39	3619	0.058	ppbv # 1
17) tert-Butyl alcohol	4.31	59	35520	0.296	ppbv # 71
18) 1,1-Dichloroethene	4.30	96	3383	0.065	ppbv # 66
19) Isopropyl Alcohol	3.97	45	731715	7.986	ppbv 100
20) Methylene Chloride	4.35	84	25757	0.508	ppbv # 83
21) Allyl Chloride	4.38	41	4953	0.058	ppbv # 13
22) trans-1,2-Dichloroethene	4.91	96	32604	0.619	ppbv 94
24) 1,1-Dichloroethane	5.03	63	88818	0.619	ppbv # 95
25) Ethyl Acetate	5.71	43	25895	0.102	ppbv # 86
26) Hexane	5.70	57	11752	0.107	ppbv # 1
27) Carbon Disulfide	4.56	76	7186	0.060	ppbv # 52
29) Chloroform	5.77	83	325871	1.836	ppbv 94
31) cis-1,2-Dichloroethene	5.57	61	1963411	17.334	ppbv 95
32) 1,1,1-Trichloroethane	6.55	97	1454229	8.738	ppbv 98
34) 2-Butanone	5.29	43	23003	0.133	ppbv # 55
36) Benzene	6.94	78	55353	0.264	ppbv # 93
37) 1,2-Dichloroethane	6.55	62	104514	0.672	ppbv # 1
38) Trichloroethene	7.91	130	13922029	161.975	ppbv 88
39) 1,2-Dichloropropane	7.90	63	116363	1.442	ppbv # 1
42) Bromodichloromethane	7.91	83	387294	1.990	ppbv # 87
52) Tetrachloroethene	11.29	164	2240049	24.718	ppbv 97
53) Toluene	9.86	91	112901	0.475	ppbv 99
58) Ethyl Benzene	13.02	91	13594	0.042	ppbv 96
59) m/p-Xylene	13.07	91	16791	0.061	ppbv # 33
60) o-Xylene	13.76	91	14812	0.054	ppbv # 49
74) 1,2,4-Trimethylbenzene	16.84	105	32732	0.100	ppbv # 69

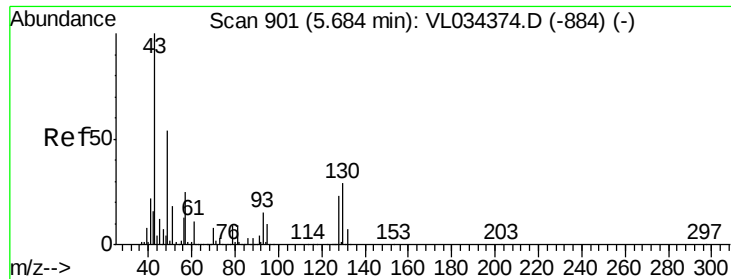
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-2DL

Quant Time: Dec 03 02:49:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

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ClientSampleId :

SV-2DL

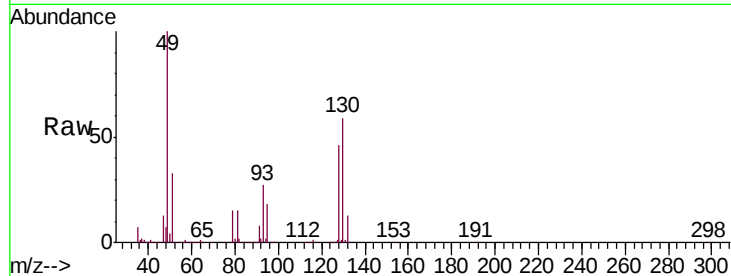
Tgt Ion: 49 Resp: 998284

Ion Ratio Lower Upper

49 100

128 45.7 21.8 65.3

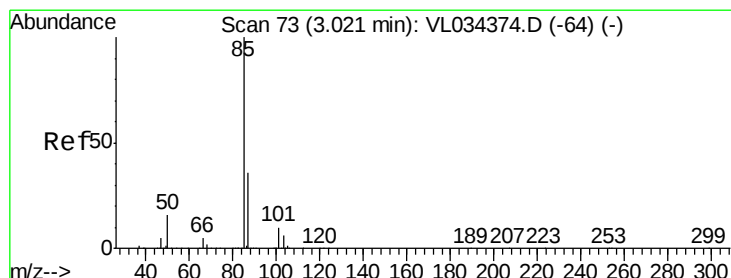
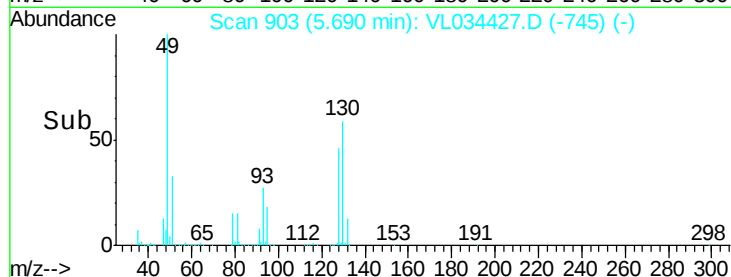
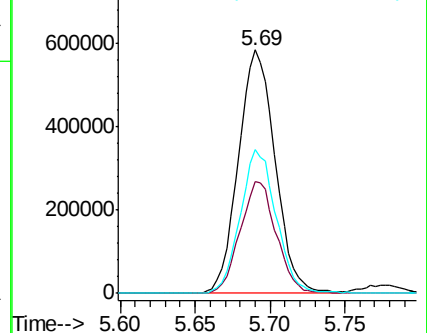
130 58.1 28.0 84.0



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: 8.678 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL034427.D

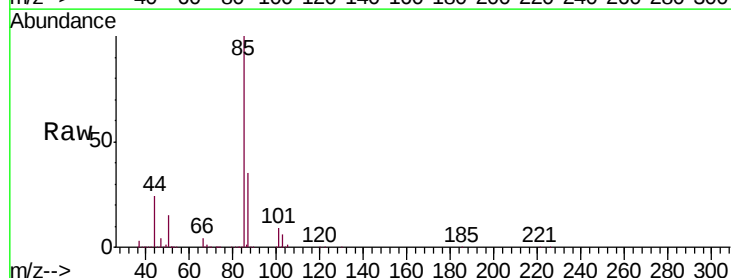
Acq: 2 Dec 2019 15:38

Tgt Ion: 85 Resp: 1567239

Ion Ratio Lower Upper

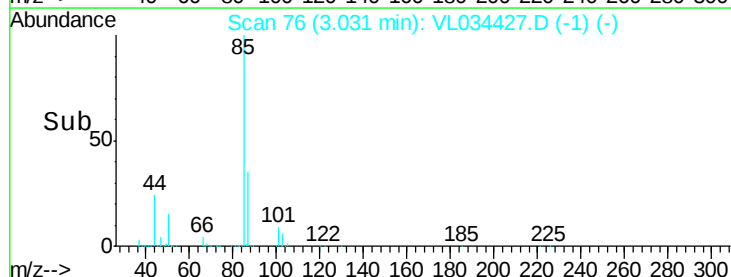
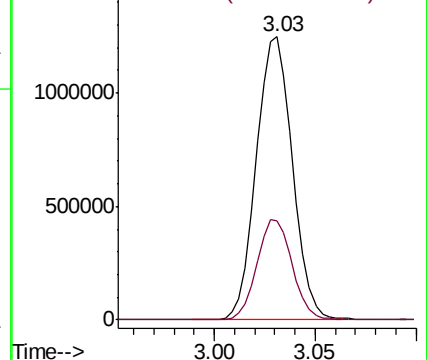
85 100

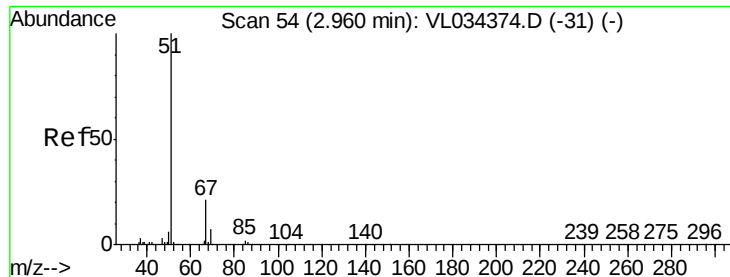
87 34.9 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.077 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.01 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

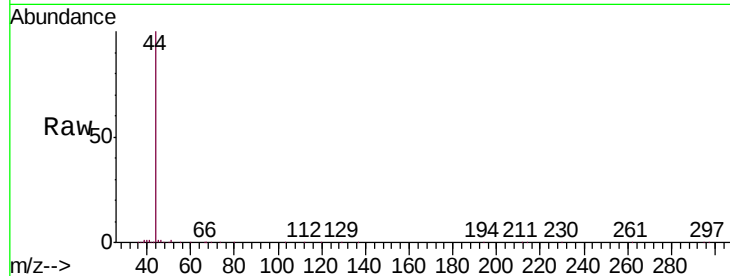
SV-2DL

Tgt Ion: 51 Resp: 9550

Ion Ratio Lower Upper

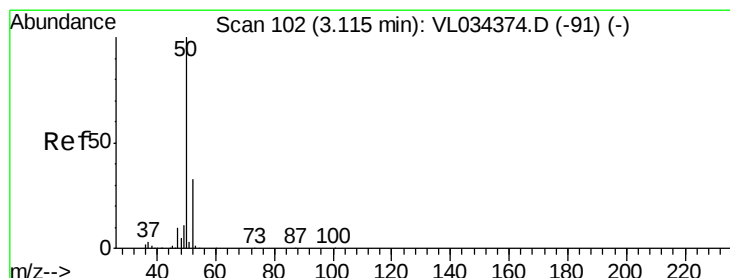
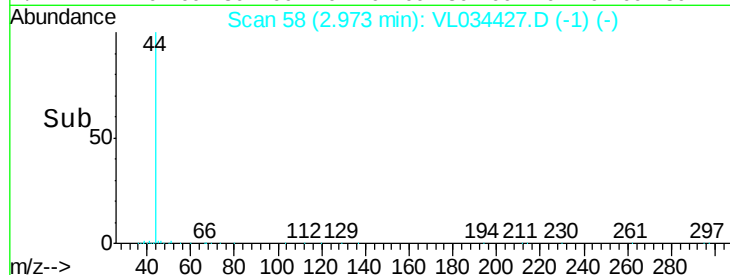
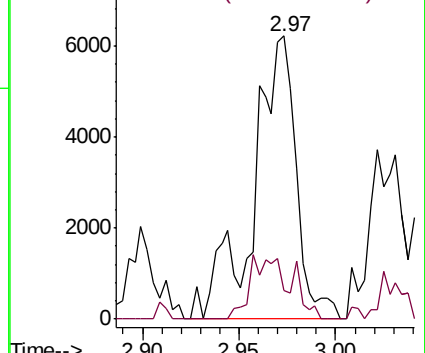
51 100

67 20.9 16.2 24.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.952 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.08 min

Lab File: VL034427.D

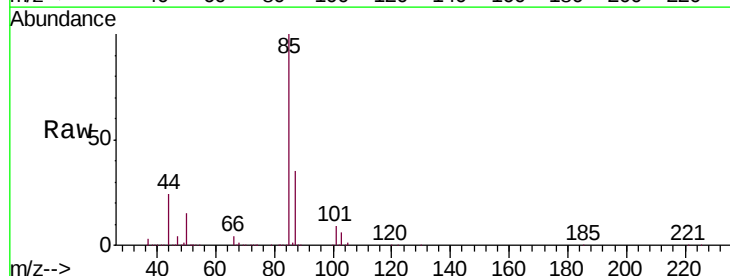
Acq: 2 Dec 2019 15:38

Tgt Ion: 50 Resp: 216912

Ion Ratio Lower Upper

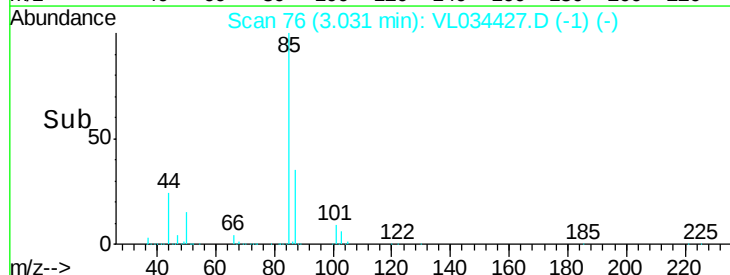
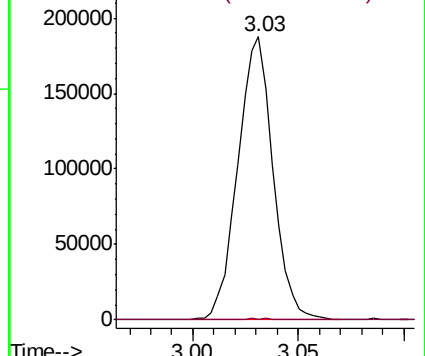
50 100

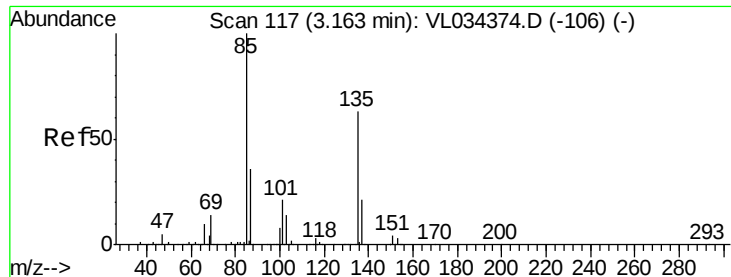
52 0.5 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 9.663 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.13 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

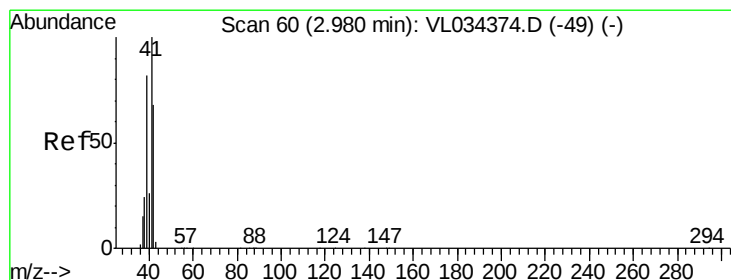
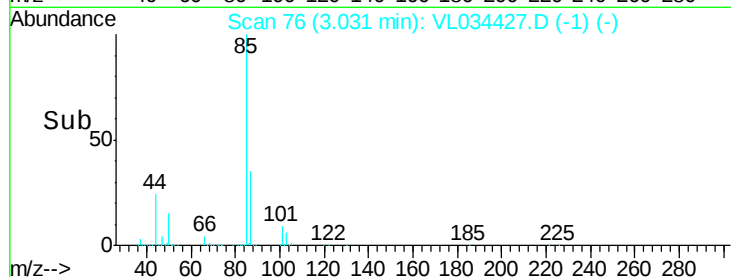
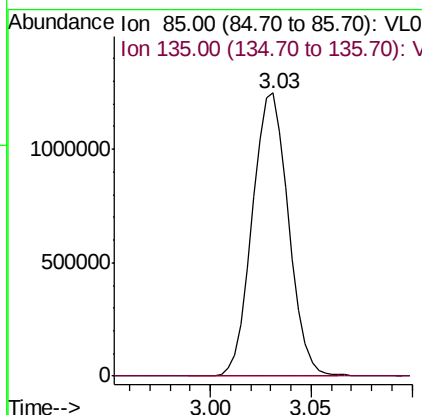
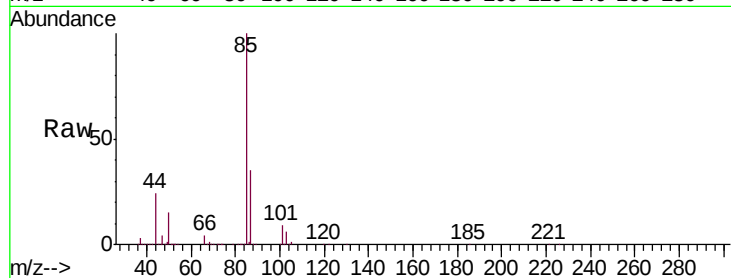
SV-2DL

Tgt Ion: 85 Resp: 1567239

Ion Ratio Lower Upper

85 100

135 0.0 51.1 76.7#



#9

Propene

Concen: 0.966 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034427.D

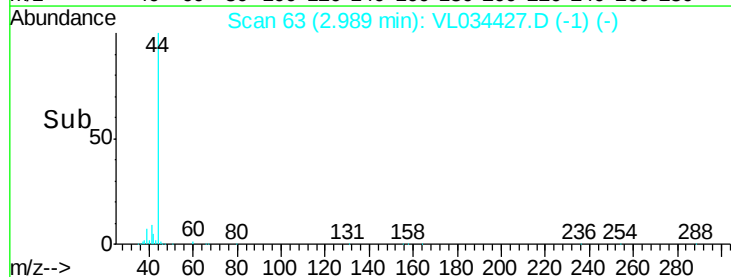
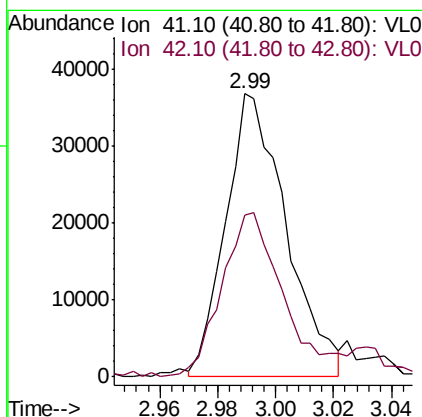
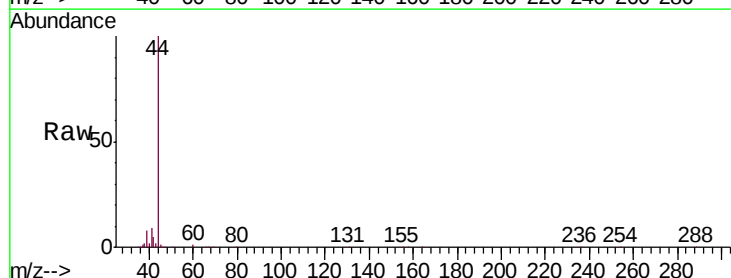
Acq: 2 Dec 2019 15:38

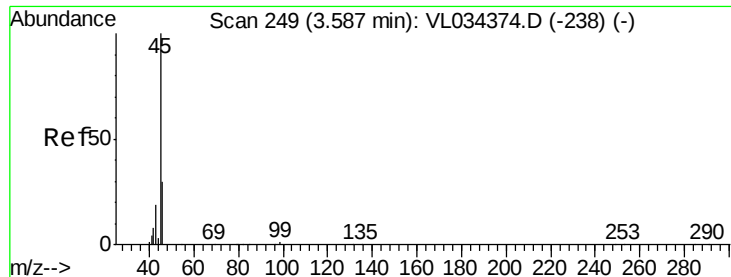
Tgt Ion: 41 Resp: 53404

Ion Ratio Lower Upper

41 100

42 66.7 54.6 82.0

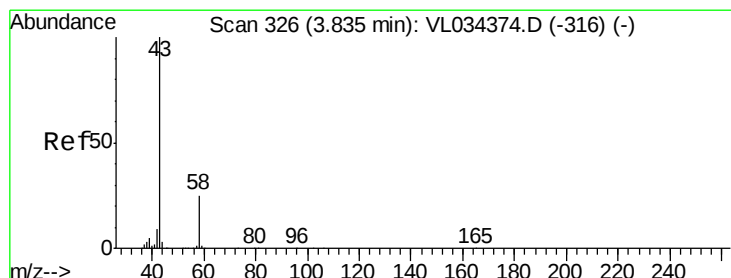
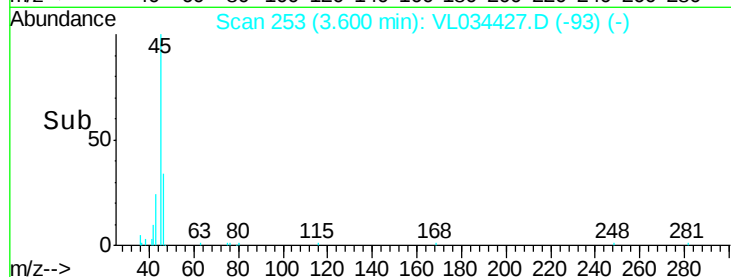
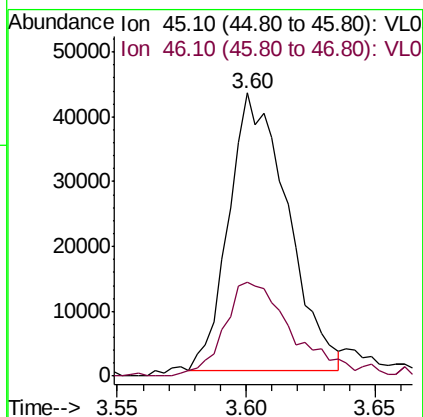
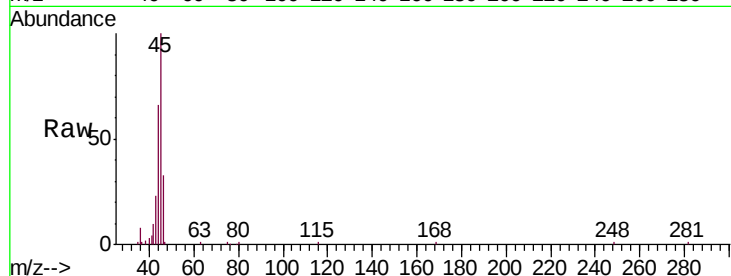




#13
Ethanol
Concen: 4.413 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

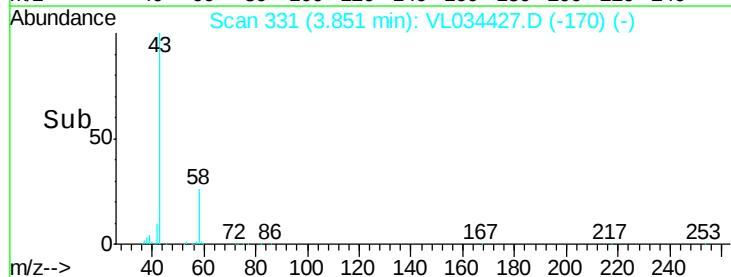
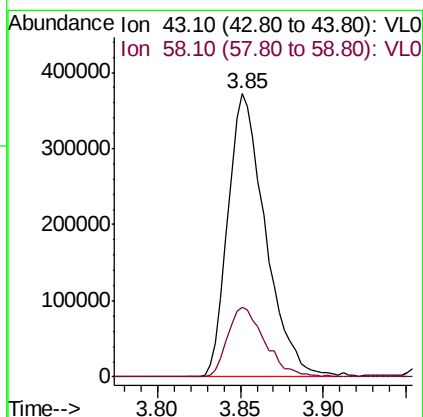
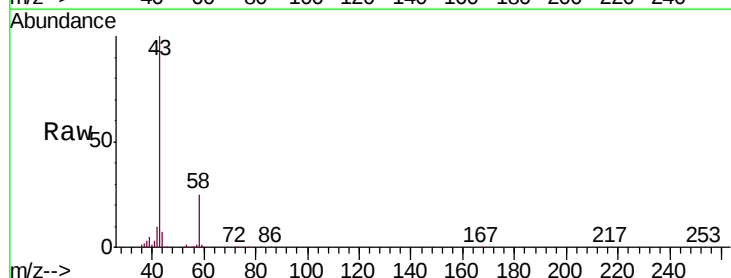
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

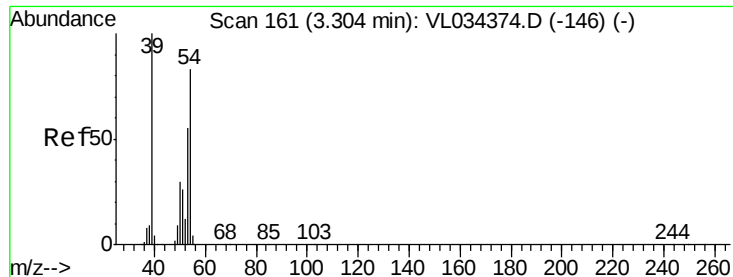
Tgt Ion: 45 Resp: 67975
Ion Ratio Lower Upper
45 100
46 40.1 13.8 55.4



#15
Acetone
Concen: 4.090 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

Tgt Ion: 43 Resp: 584719
Ion Ratio Lower Upper
43 100
58 24.6 20.2 30.4

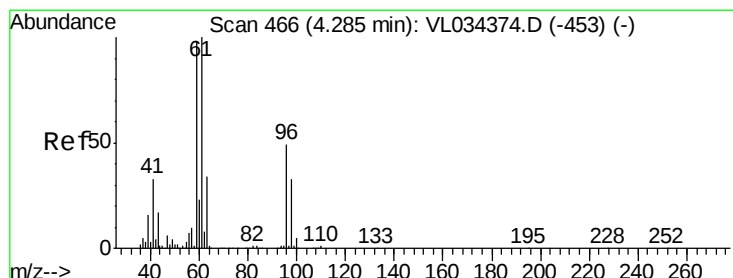
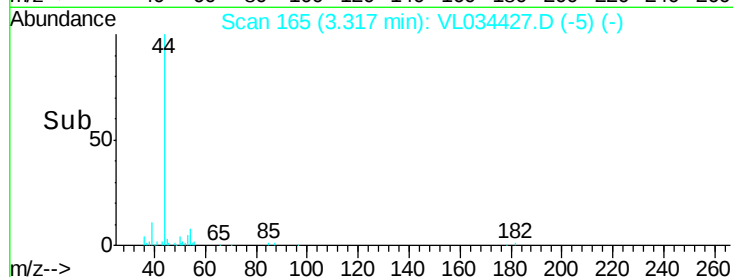
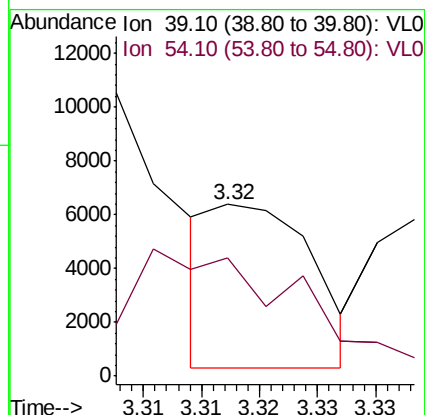
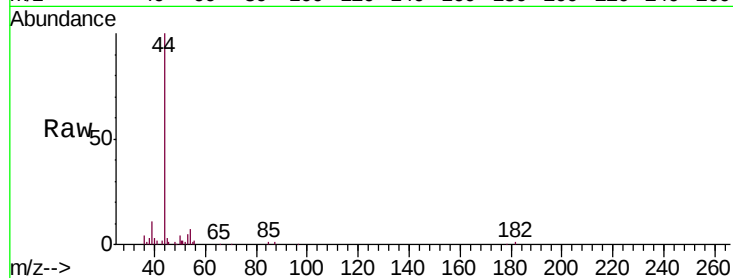




#16
1,3-Butadiene
Concen: 0.058 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

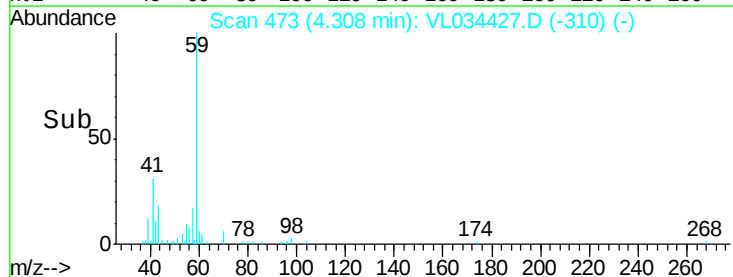
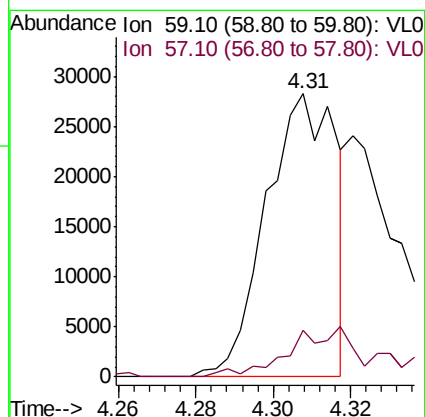
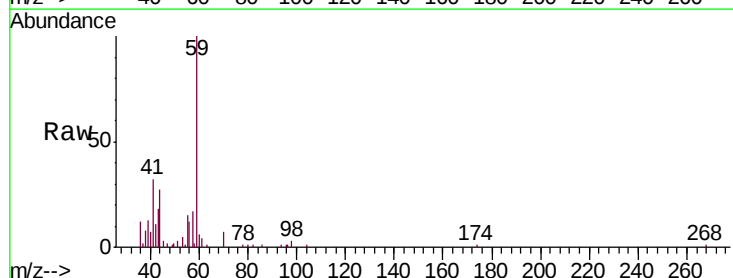
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

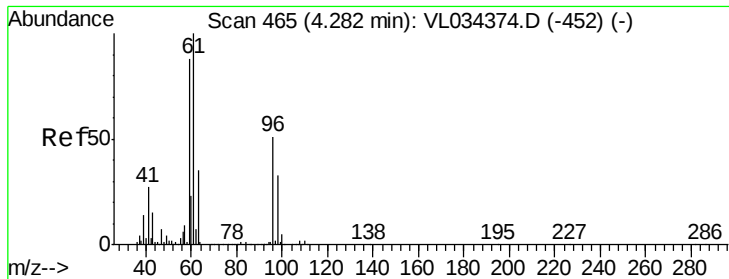
Tgt Ion: 39 Resp: 3619
Ion Ratio Lower Upper
39 100
54 193.9 64.7 97.1#



#17
tert-Butyl alcohol
Concen: 0.296 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.02 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

Tgt Ion: 59 Resp: 35520
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#18

1,1-Dichloroethene

Concen: 0.065 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampled :

SV-2DL

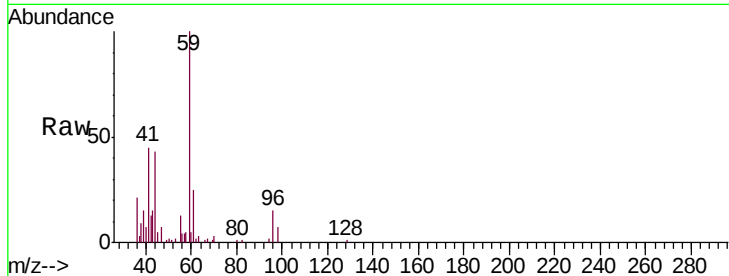
Tgt Ion: 96 Resp: 3383

Ion Ratio Lower Upper

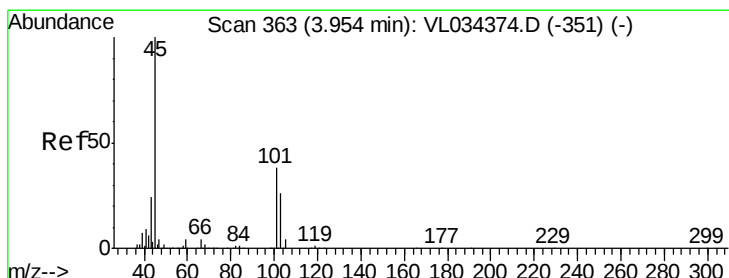
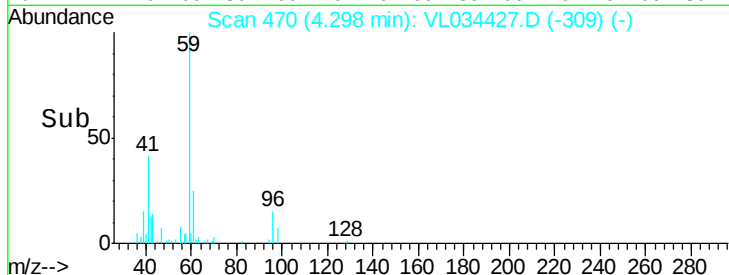
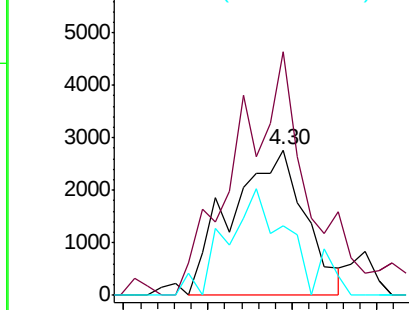
96 100

61 145.3 155.6 233.4#

98 34.2 51.6 77.4#



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



#19

Isopropyl Alcohol

Concen: 7.986 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL034427.D

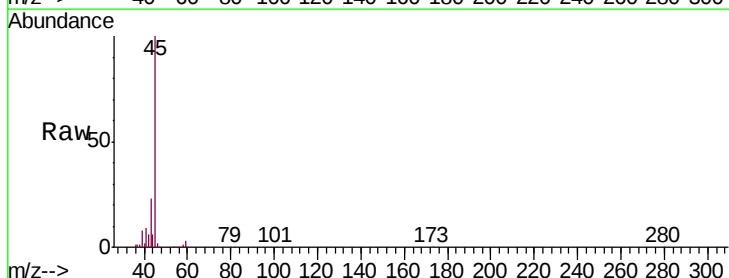
Acq: 2 Dec 2019 15:38

Tgt Ion: 45 Resp: 731715

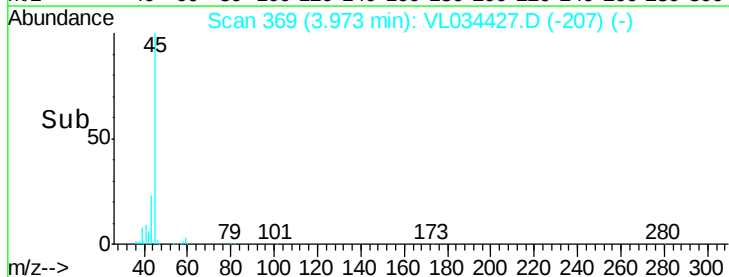
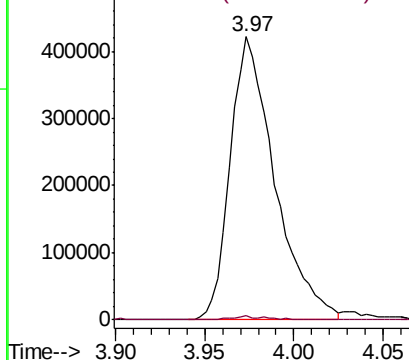
Ion Ratio Lower Upper

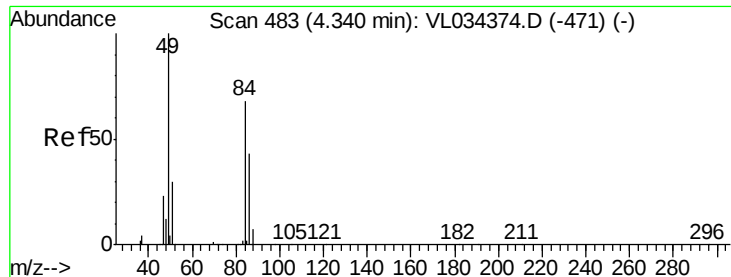
45 100

58 1.5 1.3 1.9



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

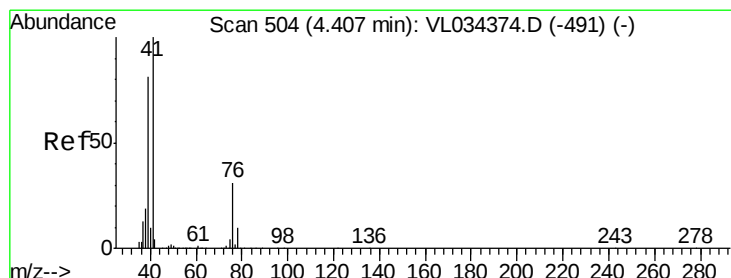
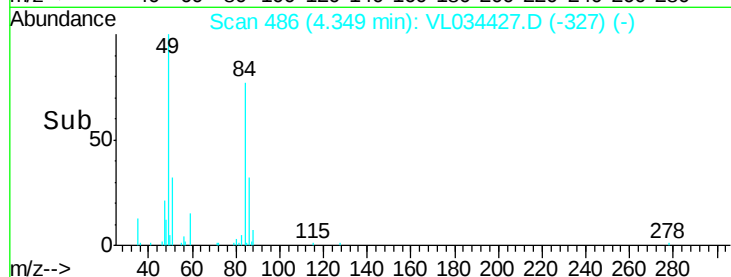
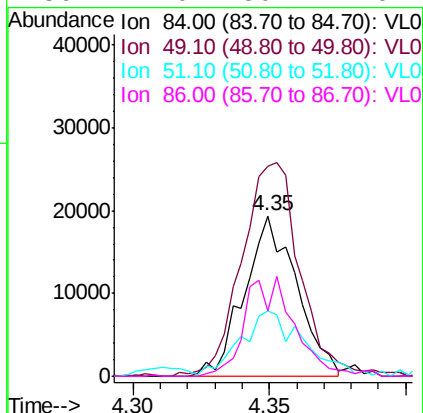
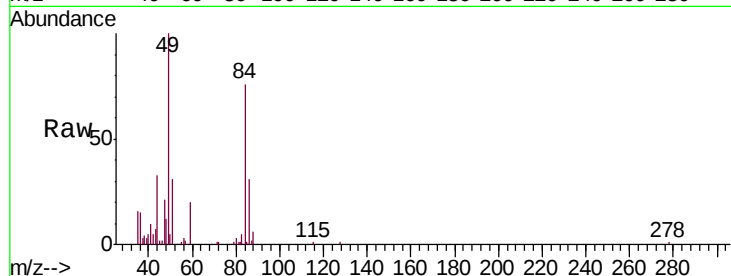




#20
Methylene Chloride
Concen: 0.508 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

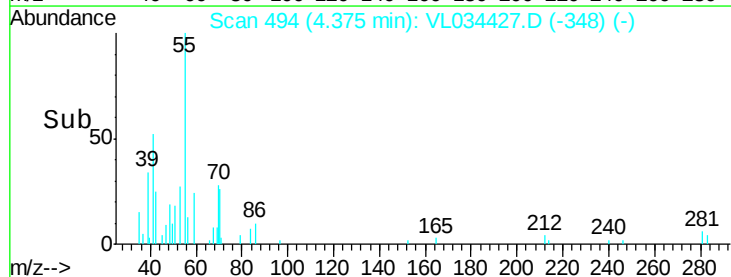
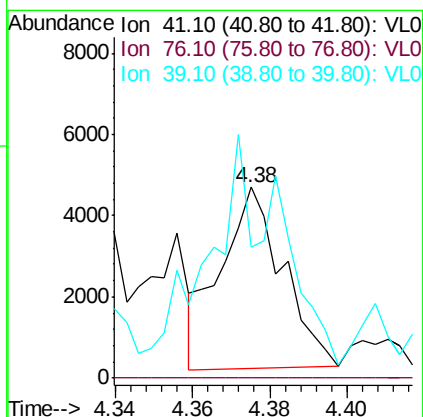
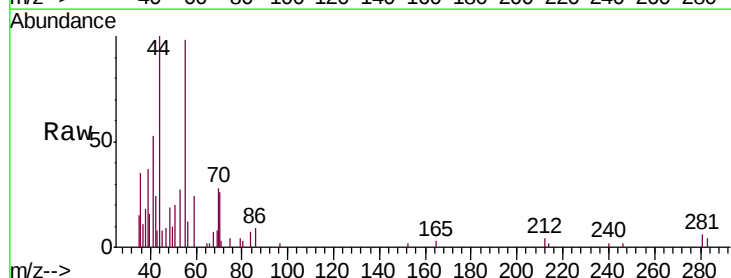
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

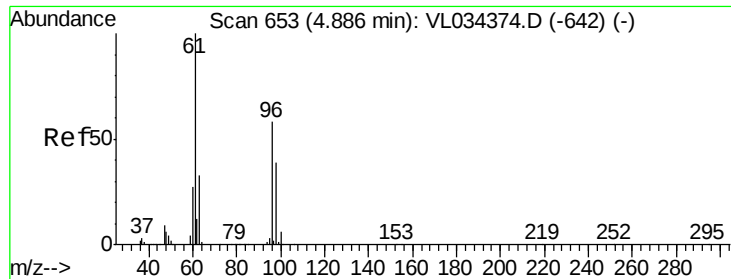
Tgt Ion: 84 Resp: 25757
Ion Ratio Lower Upper
84 100
49 129.5 116.8 175.2
51 37.8 35.6 53.4
86 41.0 50.7 76.1#



#21
Allyl Chloride
Concen: 0.058 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.03 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

Tgt Ion: 41 Resp: 4953
Ion Ratio Lower Upper
41 100
76 0.0 24.2 36.2#
39 172.2 66.9 100.3#





#22

trans-1,2-Dichloroethene

Concen: 0.619 ppbv

RT: 4.91 min Scan# 659

Delta R.T. 0.02 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

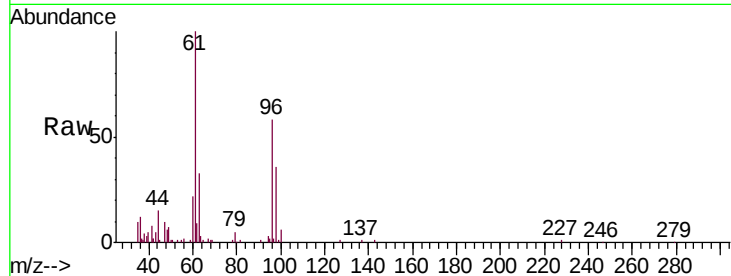
Tgt Ion: 96 Resp: 32604

Ion Ratio Lower Upper

96 100

61 166.3 137.9 206.9

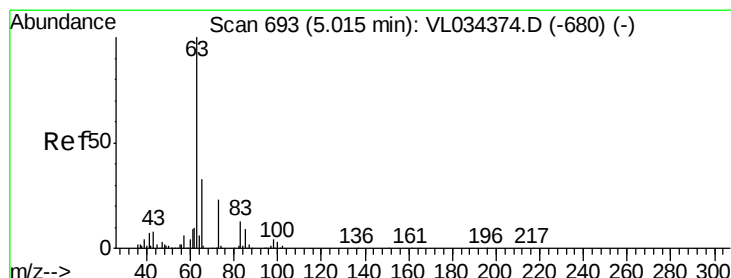
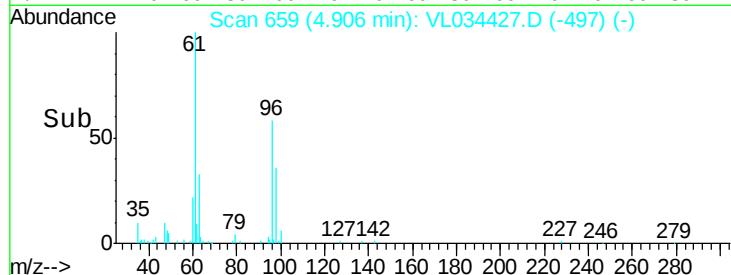
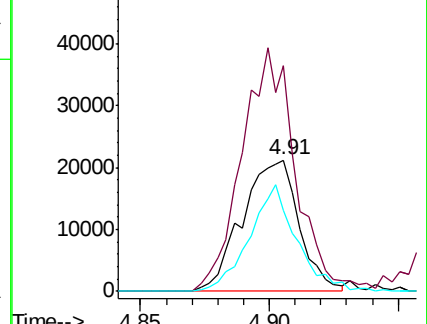
98 59.4 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#24

1,1-Dichloroethane

Concen: 0.619 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

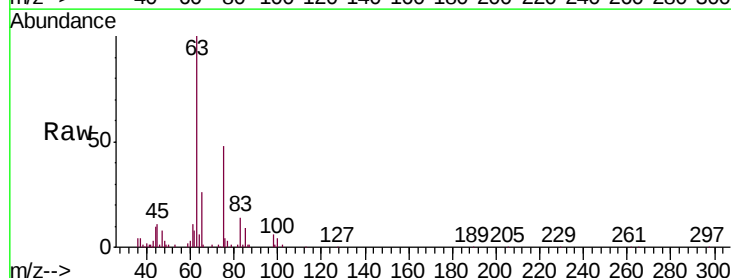
Tgt Ion: 63 Resp: 88818

Ion Ratio Lower Upper

63 100

98 5.8 1.9 5.7#

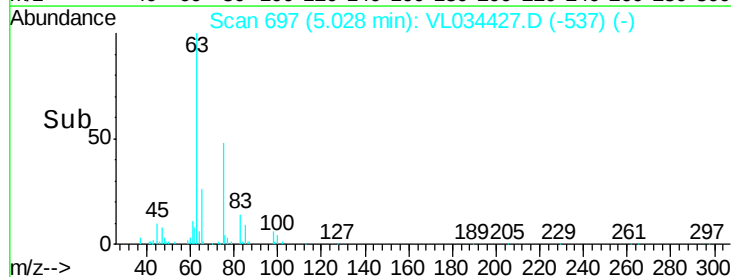
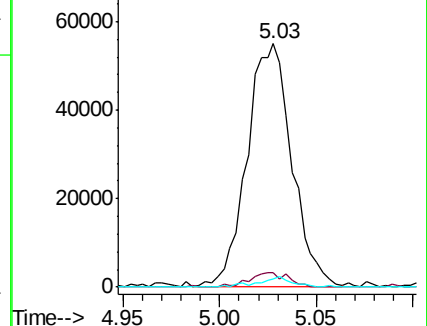
100 3.6 1.4 4.0

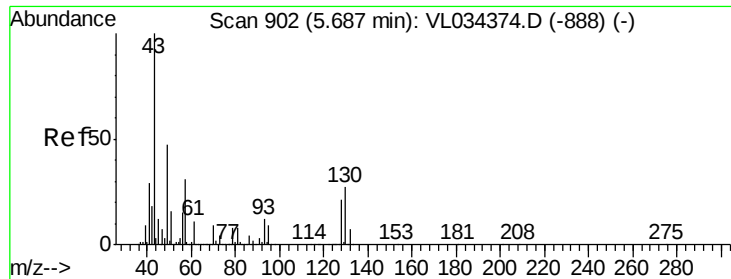


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.102 ppbv

RT: 5.71 min Scan# 910

Delta R.T. 0.03 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleID :

SV-2DL

Tgt Ion: 43 Resp: 25895

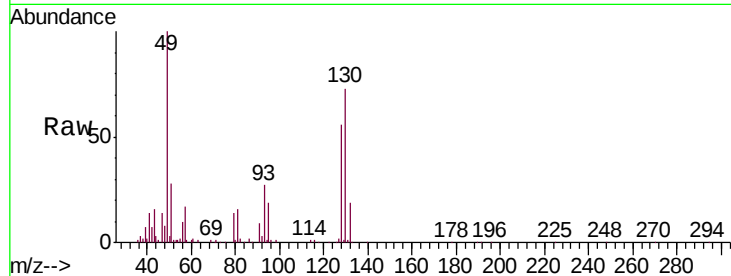
Ion Ratio Lower Upper

43 100

45 7.7 8.2 12.4#

61 0.0 7.5 11.3#

70 4.1 5.7 8.5#



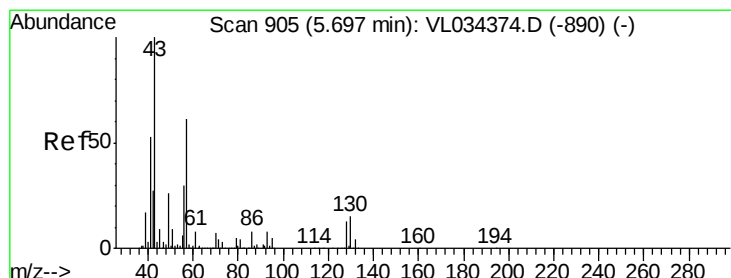
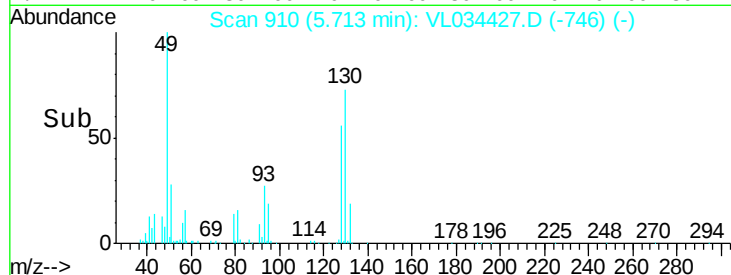
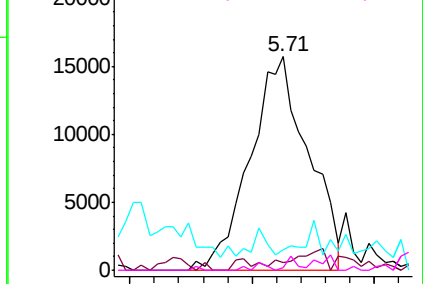
Abundance

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: 0.107 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.01 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Tgt Ion: 57 Resp: 11752

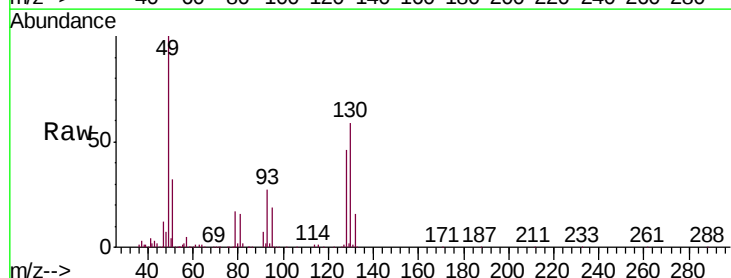
Ion Ratio Lower Upper

57 100

41 0.0 75.0 112.4#

43 0.0 186.6 279.8#

56 0.0 41.5 62.3#



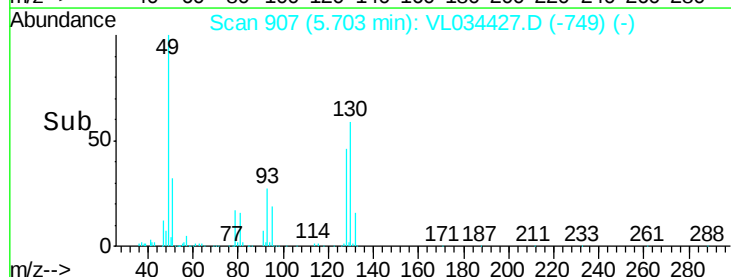
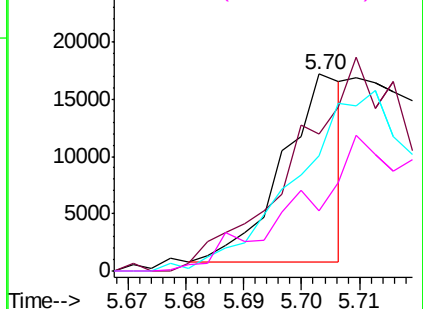
Abundance

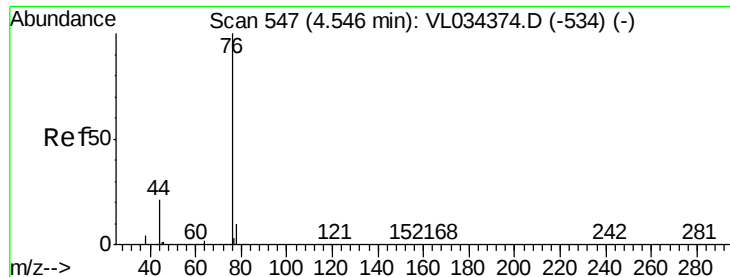
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.060 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.02 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

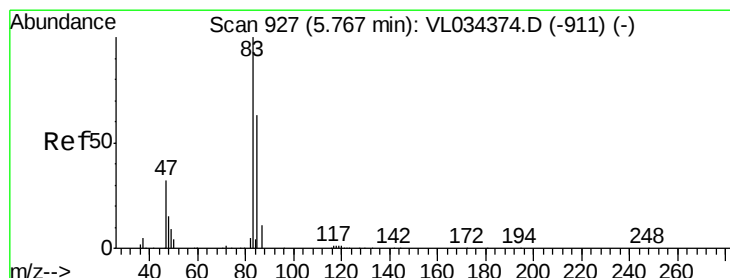
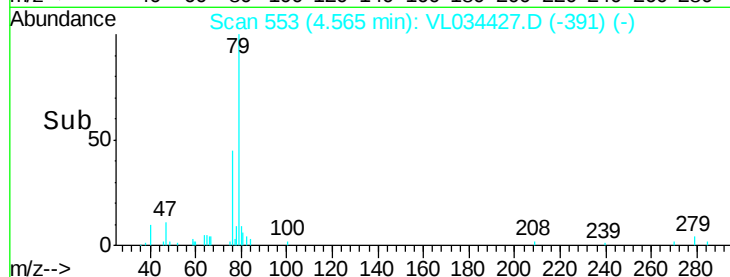
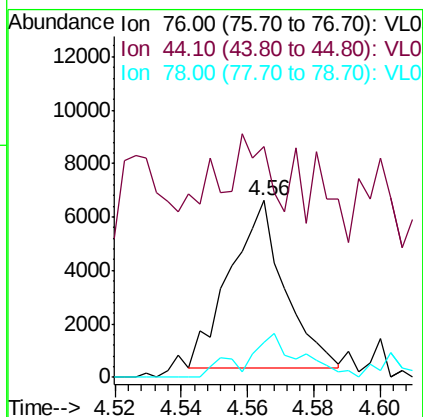
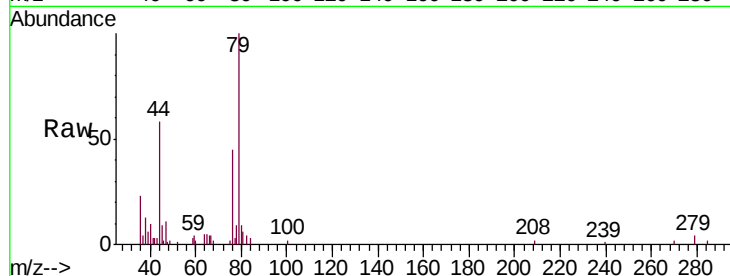
Tgt Ion: 76 Resp: 7186

Ion Ratio Lower Upper

76 100

44 40.6 17.0 25.4#

78 32.5 7.6 11.4#



#29

Chloroform

Concen: 1.836 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL034427.D

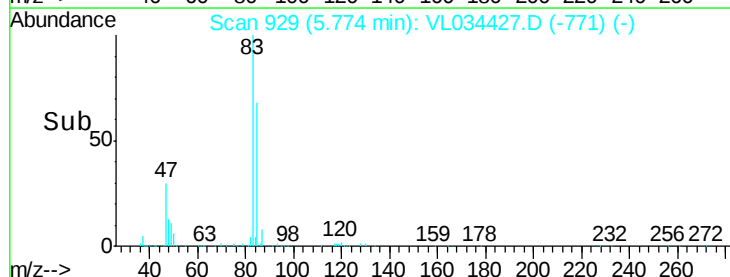
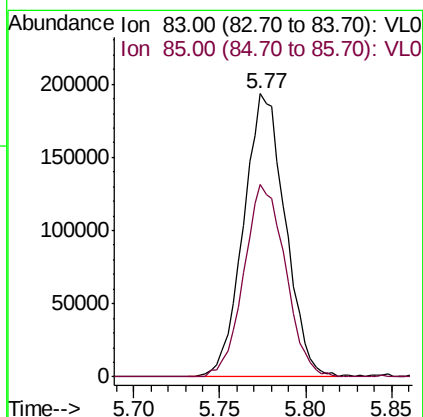
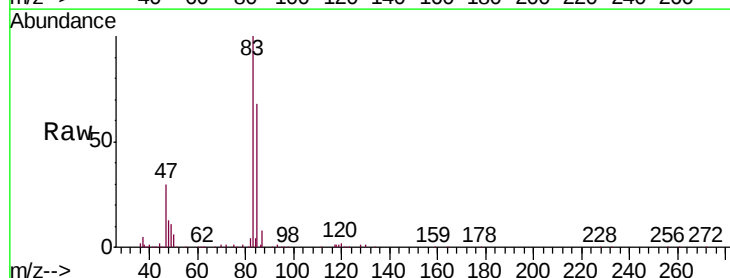
Acq: 2 Dec 2019 15:38

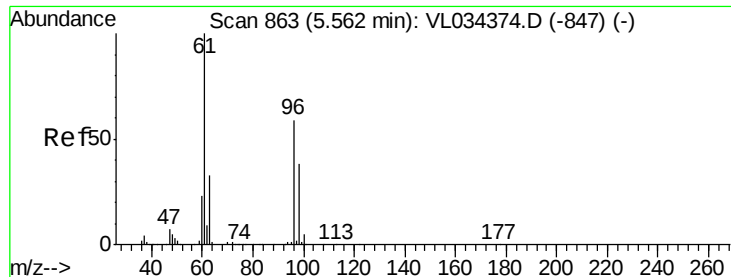
Tgt Ion: 83 Resp: 325871

Ion Ratio Lower Upper

83 100

85 68.0 50.4 75.6



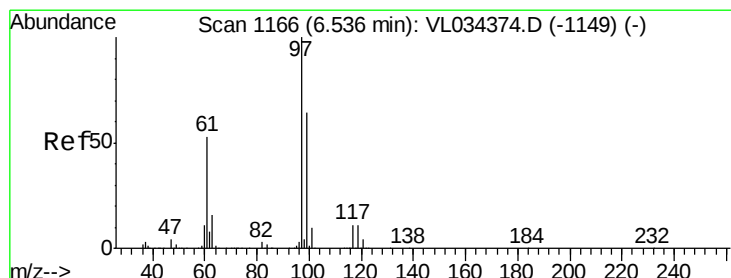
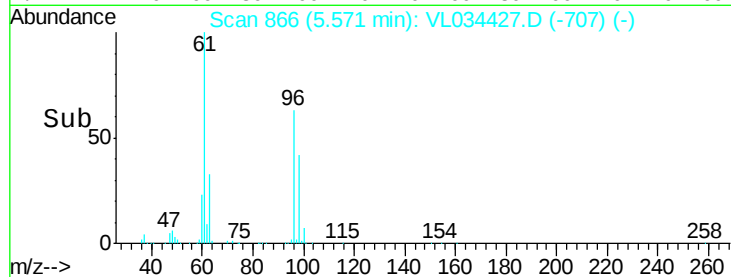
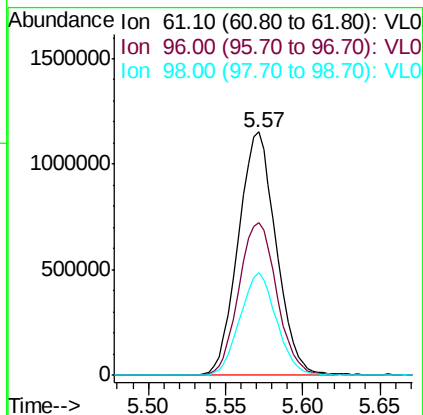
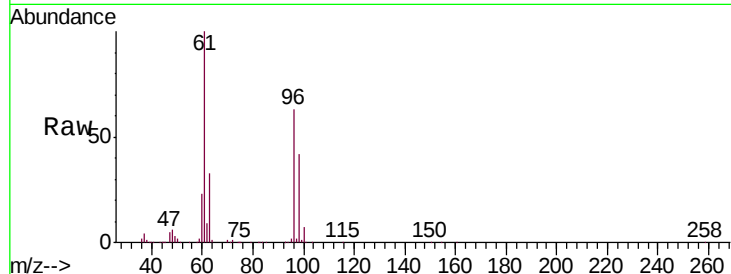


#31

cis-1,2-Dichloroethene
 Concen: 17.334 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VL034427.D
 Acq: 2 Dec 2019 15:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

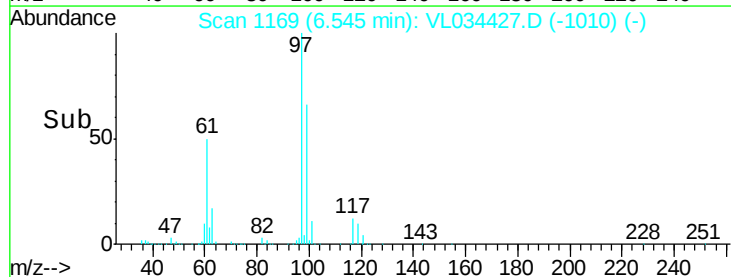
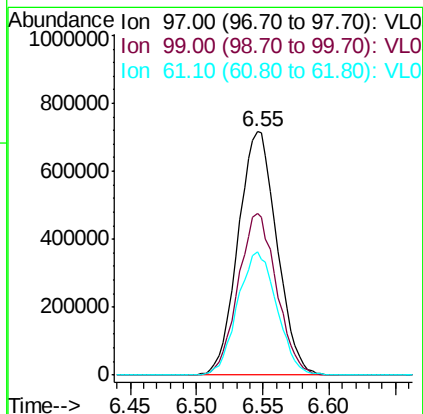
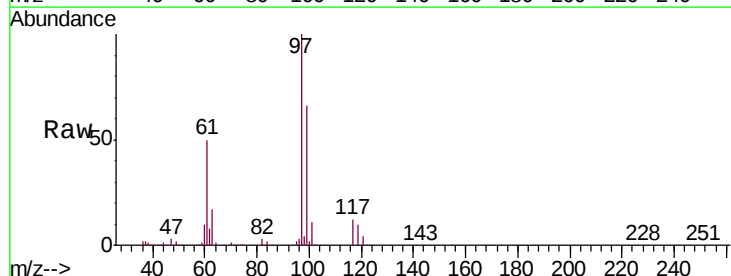
Tgt Ion: 61 Resp: 1963411
 Ion Ratio Lower Upper
 61 100
 96 62.7 47.4 71.2
 98 42.0 30.6 45.8

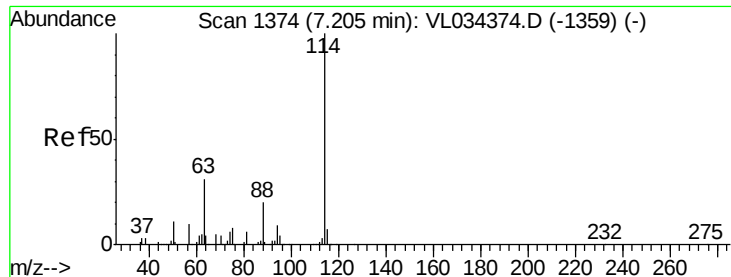


#32

1,1,1-Trichloroethane
 Concen: 8.738 ppbv
 RT: 6.55 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: VL034427.D
 Acq: 2 Dec 2019 15:38

Tgt Ion: 97 Resp: 1454229
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.3 78.5
 61 51.3 43.7 65.5

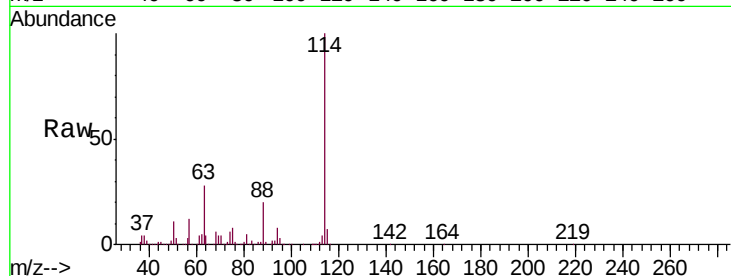




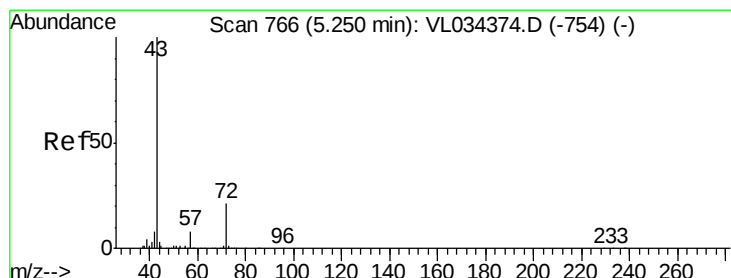
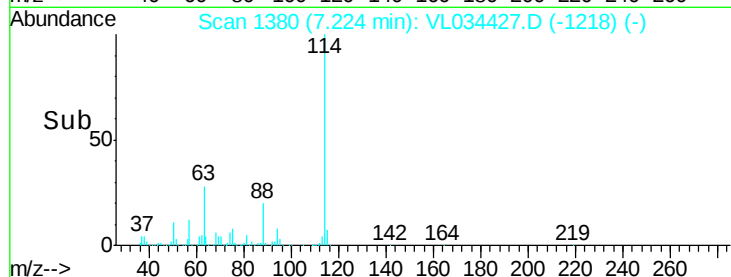
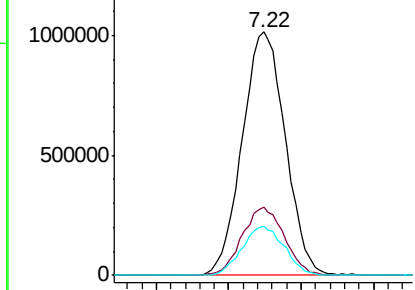
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: VL034427.D
 Acq: 2 Dec 2019 15:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tgt Ion:114 Resp: 2095232
 Ion Ratio Lower Upper
 114 100
 63 27.6 24.2 36.4
 88 19.9 15.9 23.9

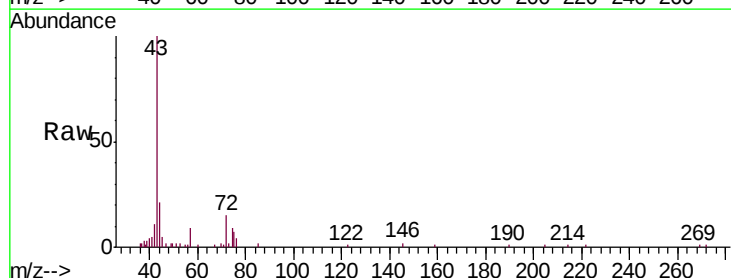


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

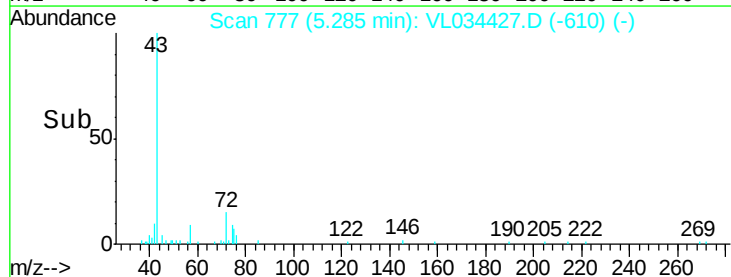
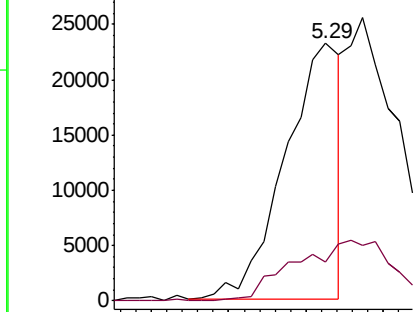


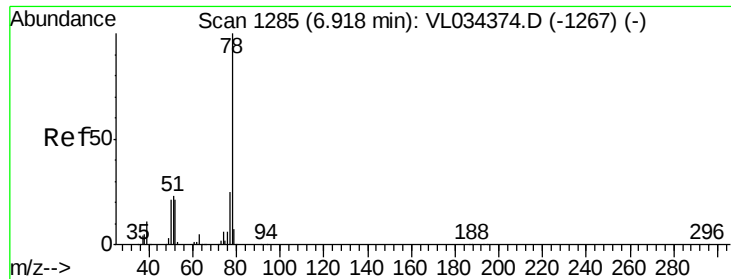
#34
 2-Butanone
 Concen: 0.133 ppbv
 RT: 5.29 min Scan# 777
 Delta R.T. 0.04 min
 Lab File: VL034427.D
 Acq: 2 Dec 2019 15:38

Tgt Ion: 43 Resp: 23003
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.0 25.6#



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

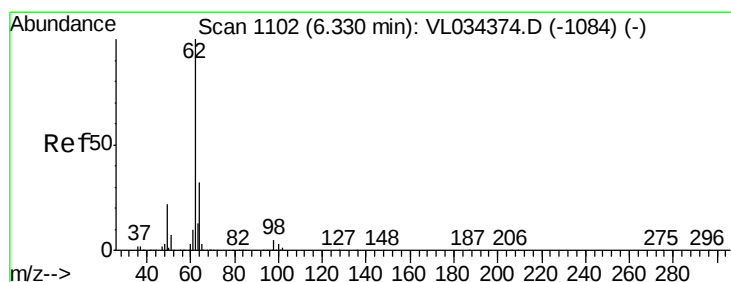
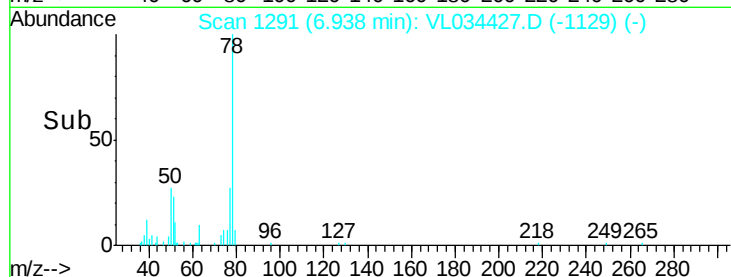
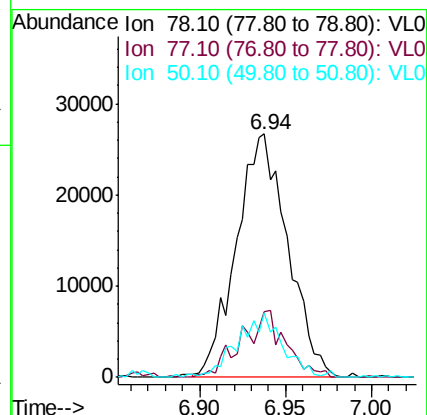
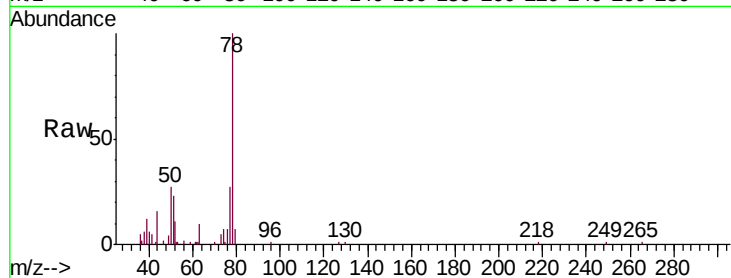




#36
Benzene
Concen: 0.264 ppbv
RT: 6.94 min Scan# 1291
Delta R.T. 0.02 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

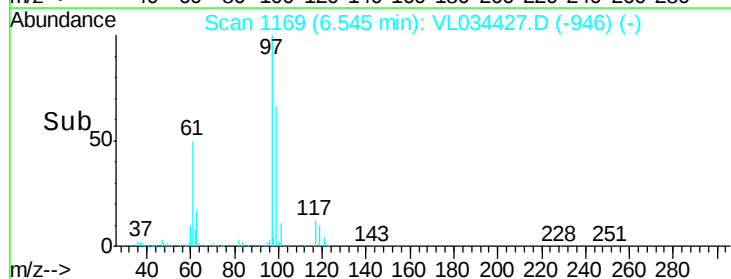
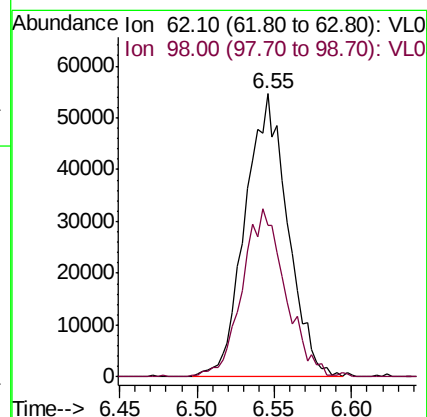
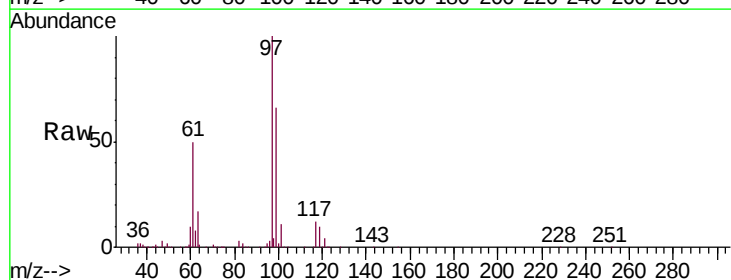
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

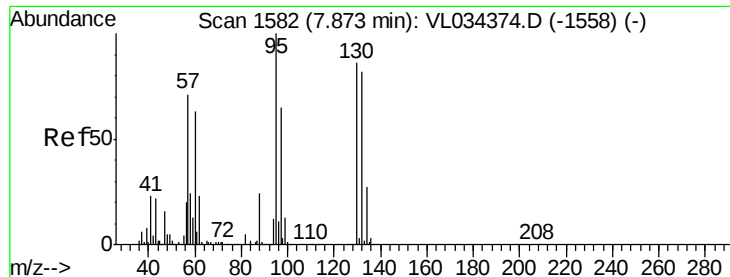
Tgt Ion: 78 Resp: 55353
Ion Ratio Lower Upper
78 100
77 26.8 20.2 30.4
50 26.6 17.1 25.7#



#37
1,2-Dichloroethane
Concen: 0.672 ppbv
RT: 6.55 min Scan# 1169
Delta R.T. 0.22 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

Tgt Ion: 62 Resp: 104514
Ion Ratio Lower Upper
62 100
98 60.6 3.8 5.8#





#38

Trichloroethene

Concen: 161.975 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. 0.03 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

Tgt Ion:130 Resp:13922029

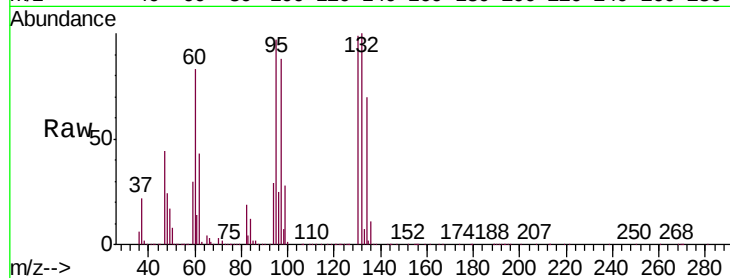
Ion Ratio Lower Upper

130 100

95 98.3 93.4 140.0

132 100.9 76.4 114.6

97 88.5 61.1 91.7

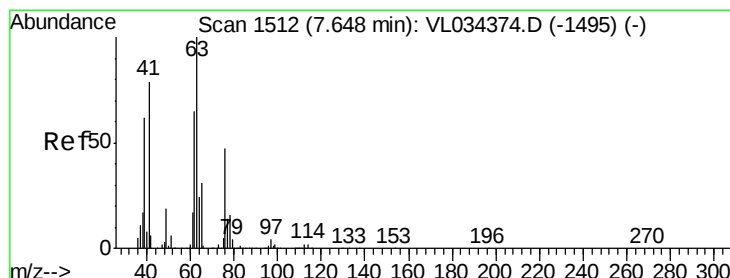
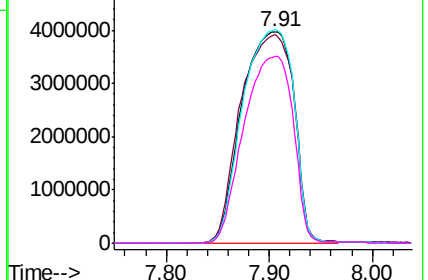
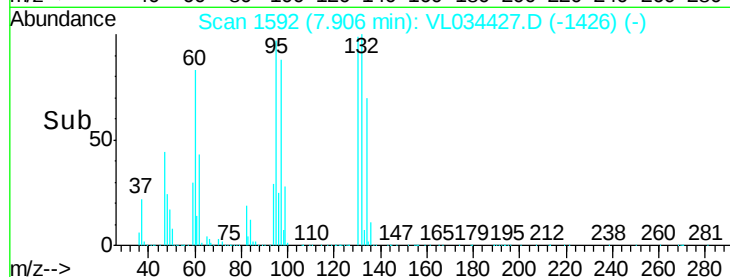


Abundance Ion 130.00 (129.70 to 130.70): V

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: 1.442 ppbv

RT: 7.90 min Scan# 1591

Delta R.T. 0.25 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

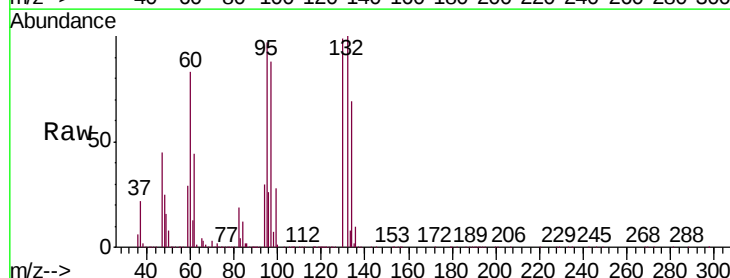
Tgt Ion: 63 Resp: 116363

Ion Ratio Lower Upper

63 100

41 13.8 63.1 94.7#

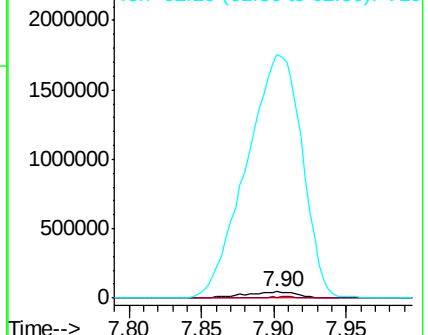
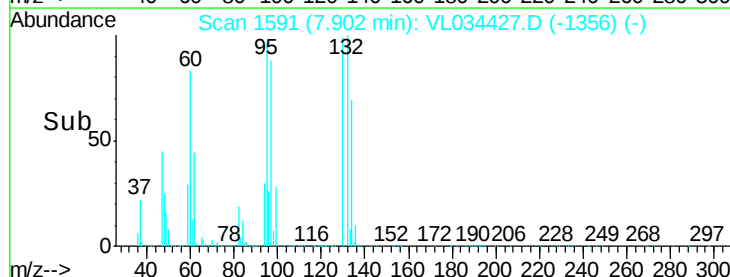
62 3708.8 52.3 78.5#

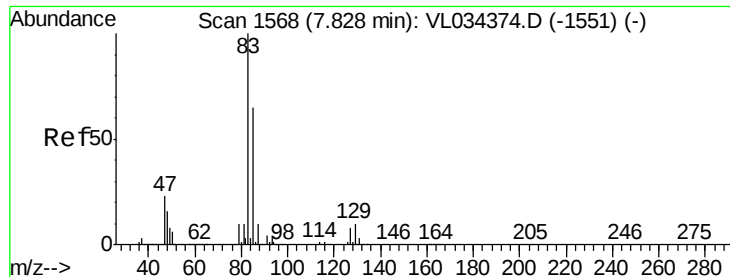


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 1.990 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. 0.08 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

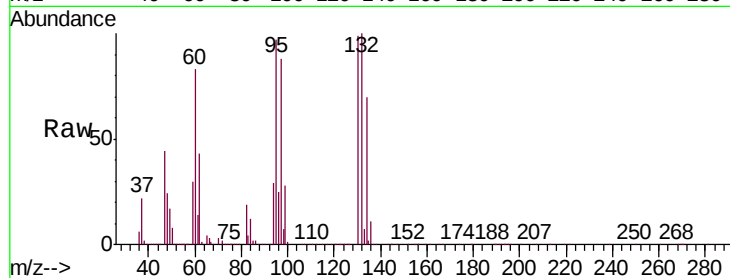
Tgt Ion: 83 Resp: 387294

Ion Ratio Lower Upper

83 100

85 55.7 52.3 78.5

127 0.0 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

7.91

200000

150000

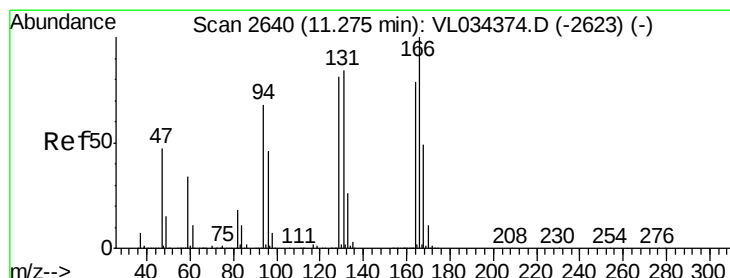
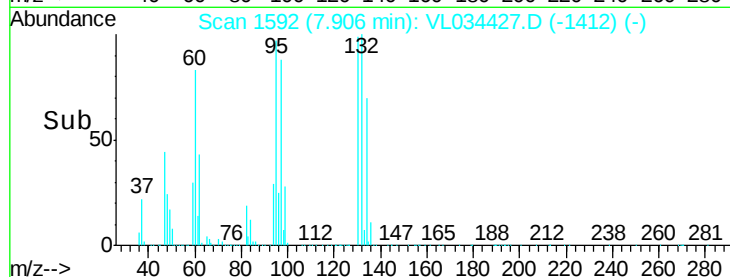
100000

50000

0

Time-->

7.80 7.85 7.90 7.95



#52

Tetrachloroethene

Concen: 24.718 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. 0.02 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Tgt Ion:164 Resp: 2240049

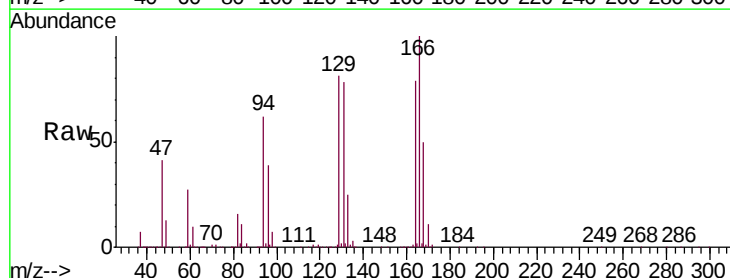
Ion Ratio Lower Upper

164 100

166 125.9 101.7 152.5

129 101.6 82.6 123.8

131 98.2 85.2 127.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

2000000

1500000

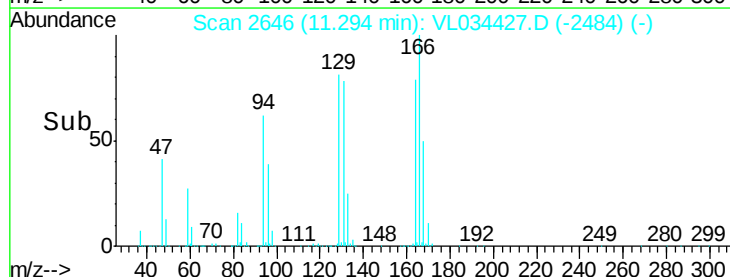
1000000

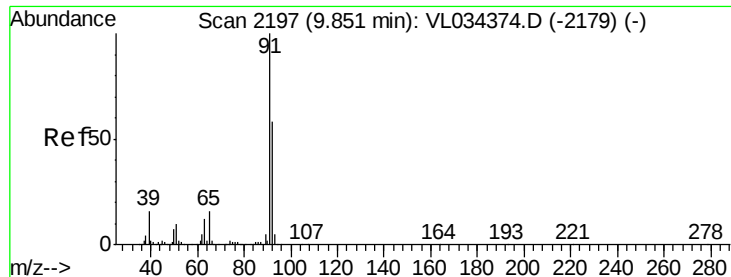
500000

0

Time-->

11.20 11.30





#53

Toluene

Concen: 0.475 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

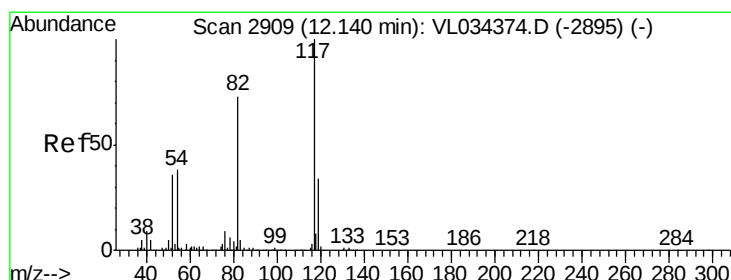
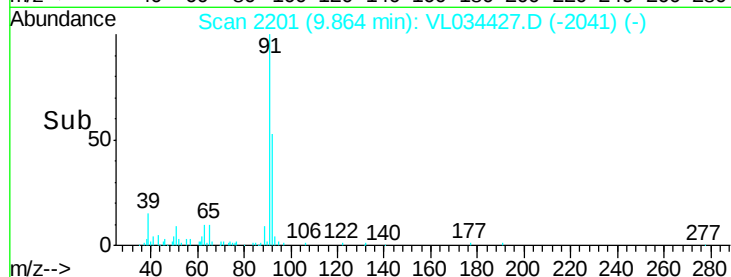
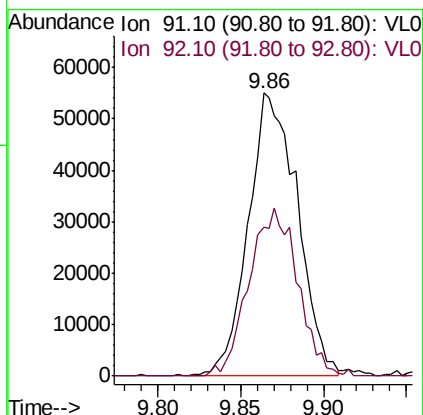
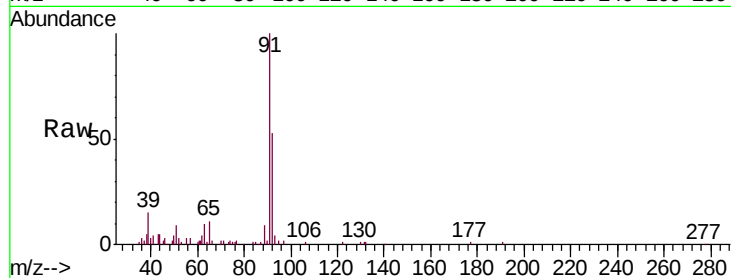
SV-2DL

Tgt Ion: 91 Resp: 112901

Ion Ratio Lower Upper

91 100

92 59.1 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.02 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

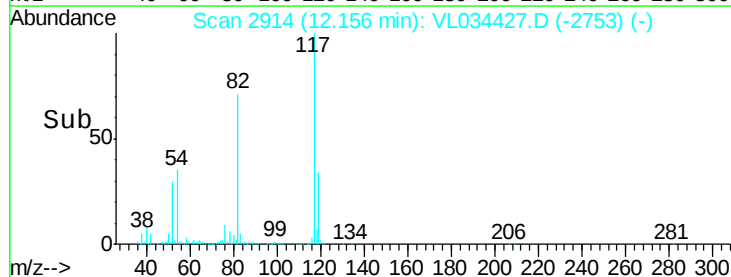
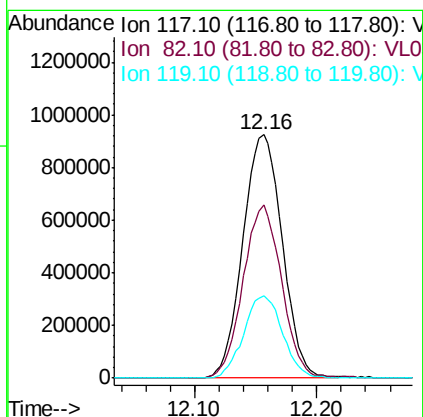
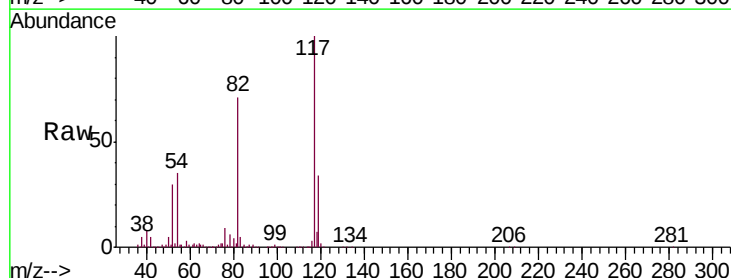
Tgt Ion: 117 Resp: 2062866

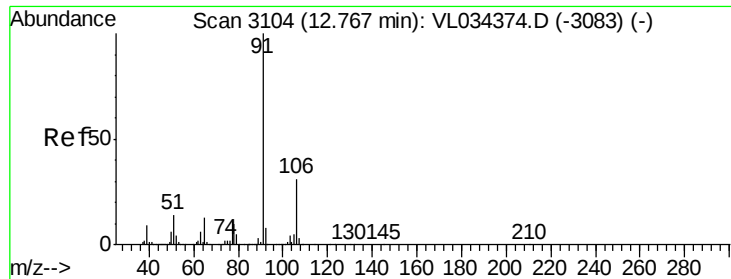
Ion Ratio Lower Upper

117 100

82 69.6 57.5 86.3

119 33.6 25.4 38.2





#58

Ethyl Benzene

Concen: 0.042 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.25 min

Lab File: VL034427.D

Acq: 2 Dec 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

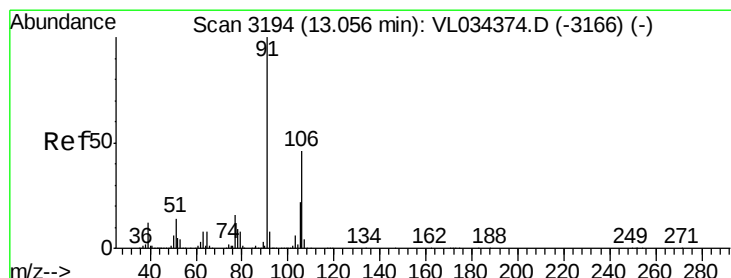
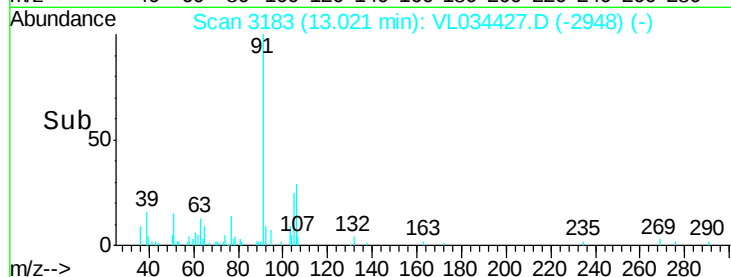
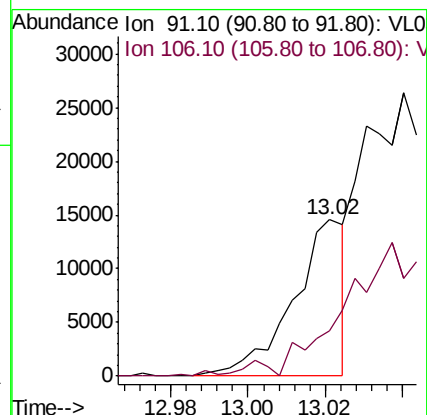
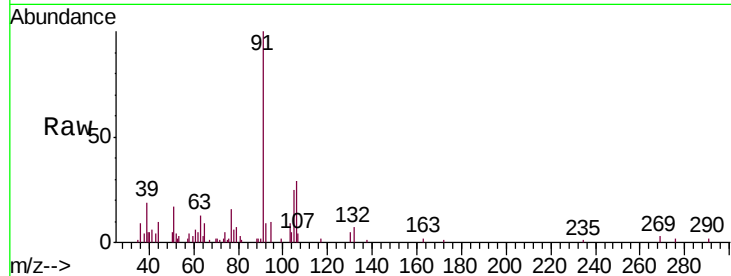
SV-2DL

Tgt Ion: 91 Resp: 13594

Ion Ratio Lower Upper

91 100

106 28.9 24.8 37.2



#59

m/p-Xylene

Concen: 0.061 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VL034427.D

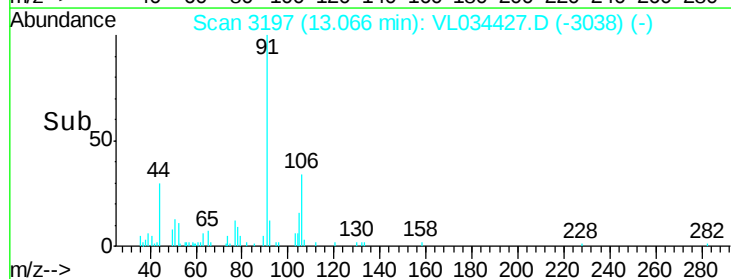
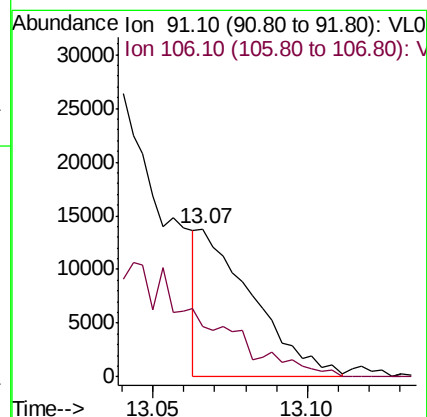
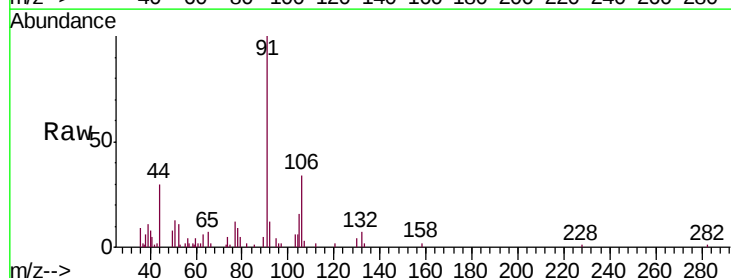
Acq: 2 Dec 2019 15:38

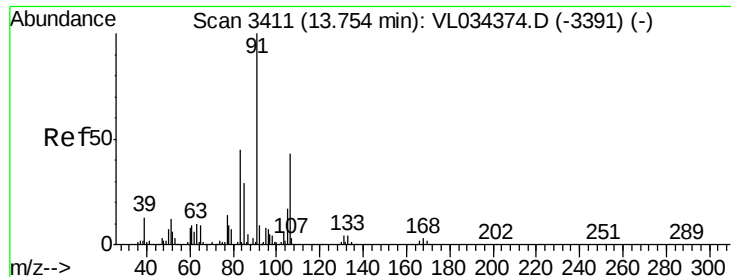
Tgt Ion: 91 Resp: 16791

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#

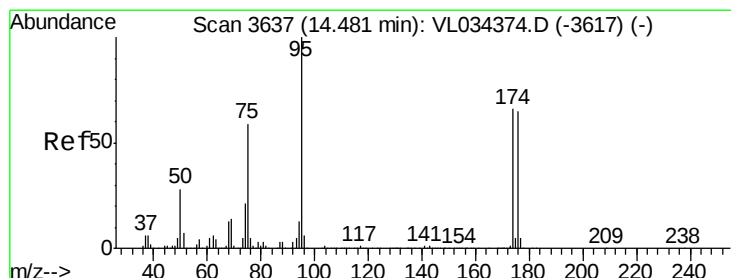
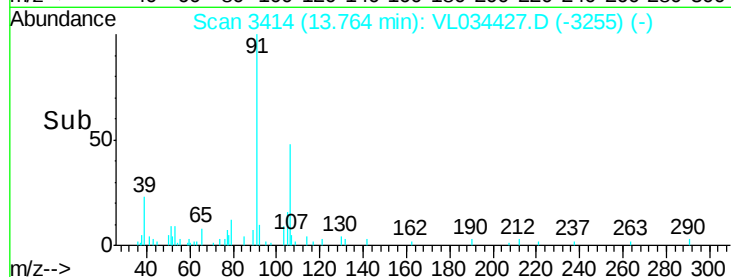
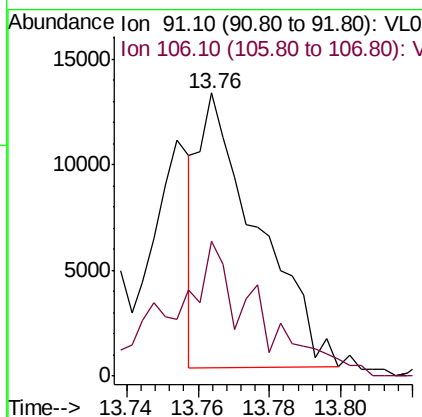
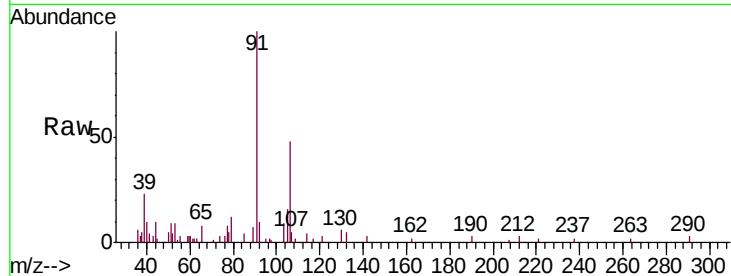




#60
o-Xylene
Concen: 0.054 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.01 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

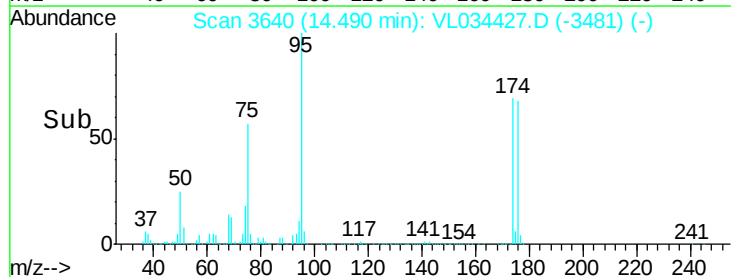
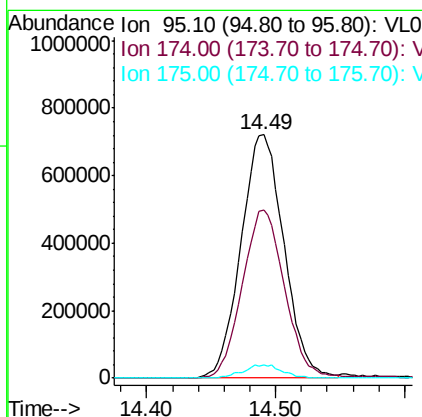
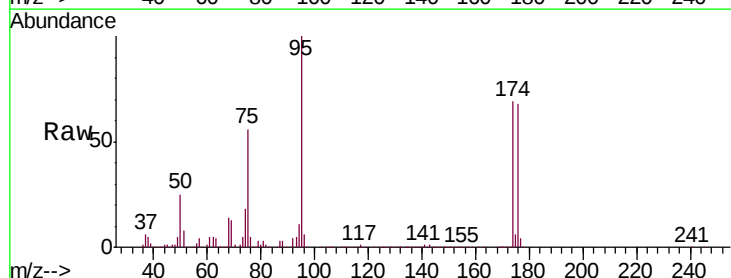
Instrument :
MSVOA_L
ClientSampled :
SV-2DL

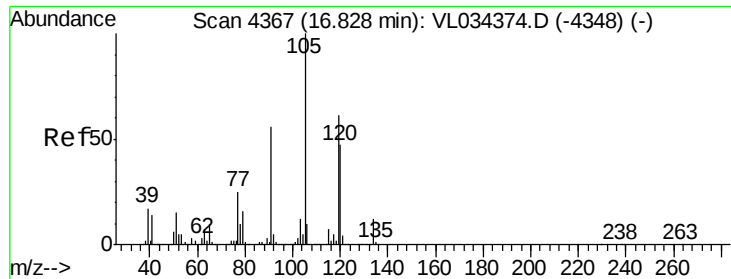
Tgt Ion: 91 Resp: 14812
Ion Ratio Lower Upper
91 100
106 75.1 21.3 64.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.607 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.01 min
Lab File: VL034427.D
Acq: 2 Dec 2019 15:38

Tgt Ion: 95 Resp: 1667208
Ion Ratio Lower Upper
95 100
174 69.1 52.2 78.2
175 5.1 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.100 ppbv
 RT: 16.84 min Scan# 4371
 Delta R.T. 0.01 min
 Lab File: VL034427.D
 Acq: 2 Dec 2019 15:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Tgt Ion:	105	Resp:	32732
Ion	Ratio	Lower	Upper
105	100		
120	40.3	37.4	56.0
91	17.7	46.3	69.5#
77	15.6	20.6	30.8#

