

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036019.D
 Acq On : 25 Nov 2020 7:24
 Operator : SY/AP
 Sample : L4843-02 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 26 01:13:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

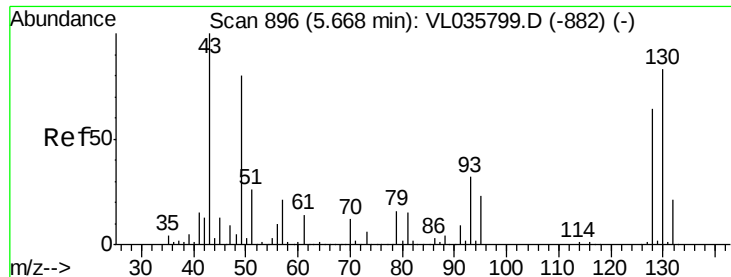
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1222444	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4774819	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4567137	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3390987	10.45	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	30418	0.132	ppbv	100
3) Chlorodifluoromethane	2.96	51	29709	0.203	ppbv	97
4) Chloromethane	3.11	50	14577	0.205	ppbv	96
9) Propene	3.18	41	4436512	82.800	ppbv	95
10) Heptane	8.10	43	1763820	11.918	ppbv	99
11) Trichlorofluoromethane	3.92	101	61871	0.214	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.46	101	6874	0.032	ppbv	100
13) Ethanol	3.59	45	40407	3.476	ppbv	99
15) Acetone	3.85	43	7437577	56.910	ppbv #	56
16) 1,3-Butadiene	3.28	39	2069978	36.788	ppbv #	11
17) tert-Butyl alcohol	4.29	59	5868	0.034	ppbv #	72
19) Isopropyl Alcohol	3.96	45	34867	0.434	ppbv #	90
20) Methylene Chloride	4.32	84	220565	2.397	ppbv	97
21) Allyl Chloride	4.35	41	214898	3.041	ppbv #	40
23) Vinyl Acetate	5.03	43	1126258	6.148	ppbv #	1
24) 1,1-Dichloroethane	4.99	63	11916	0.068	ppbv #	93
25) Ethyl Acetate	5.67	43	2951442	11.464	ppbv #	72
26) Hexane	5.67	57	5214851	36.727	ppbv #	46
27) Carbon Disulfide	4.53	76	639597	3.006	ppbv	99
30) Cyclohexane	7.11	84	227083	1.468	ppbv #	1
32) 1,1,1-Trichloroethane	6.49	97	5094117	17.492	ppbv	97
34) 2-Butanone	5.23	43	177120	1.143	ppbv	92
36) Benzene	6.87	78	525386	1.480	ppbv	97
37) 1,2-Dichloroethane	6.49	62	312147	1.941	ppbv #	1
39) 1,2-Dichloropropane	7.20	63	27190	0.228	ppbv #	1
41) Tetrahydrofuran	6.09	42	17337	0.197	ppbv #	32
42) Bromodichloromethane	7.77	83	53316	0.196	ppbv #	24
43) Methyl Methacrylate	7.96	69	12826	0.095	ppbv #	10
44) 2,2,4-Trimethylpentane	7.79	57	135810	0.289	ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	7897	0.033	ppbv #	1
51) 2-Hexanone	10.09	43	394153	2.071	ppbv #	21
52) Tetrachloroethene	11.20	164	20636	0.123	ppbv	94
53) Toluene	9.78	91	304462	0.711	ppbv	99
58) Ethyl Benzene	12.68	91	24224	0.044	ppbv	92
59) m/p-Xylene	12.96	91	17137	0.036	ppbv #	28
60) o-Xylene	13.67	91	17911	0.039	ppbv	92

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

ClientSampleId :

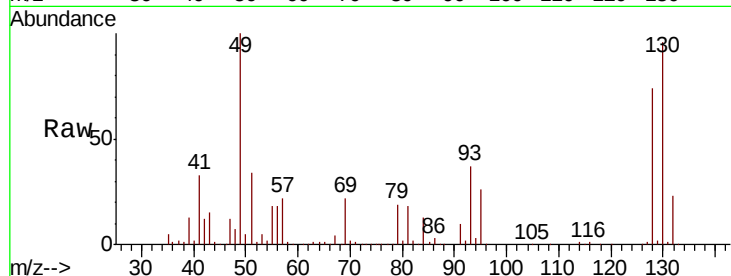
Tot Ion: 49 Resp: 1222444

Ion Ratio Lower Upper

49 100

128 79.3 41.5 124.6

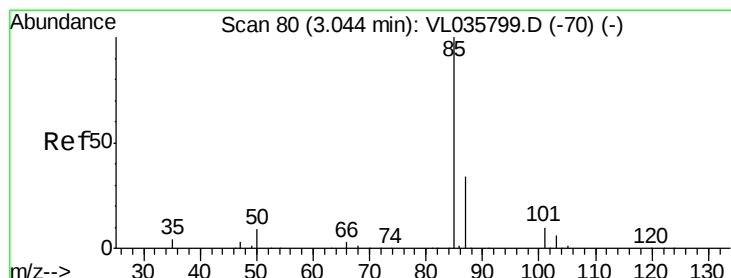
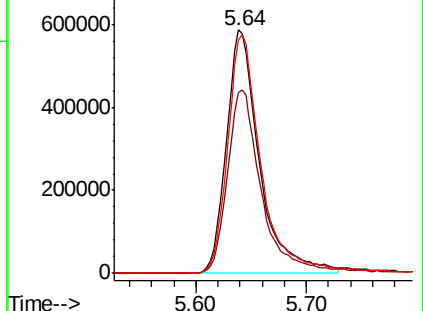
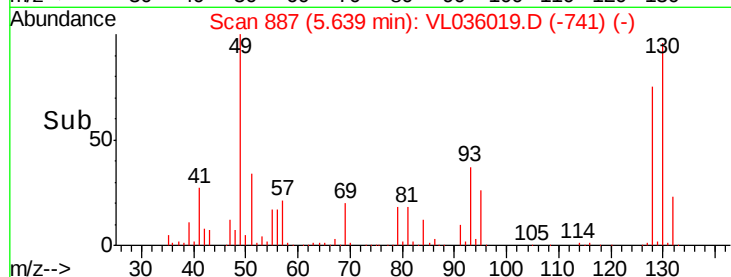
130 101.4 53.7 161.1



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: 0.132 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL036019.D

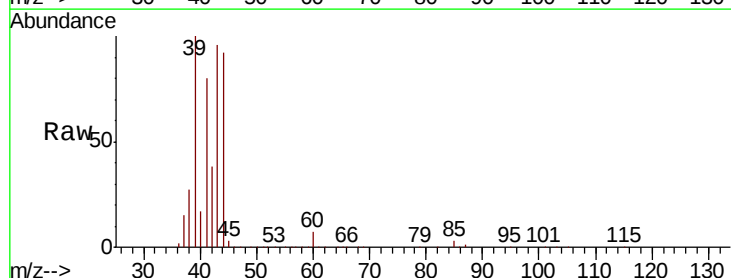
Acq: 25 Nov 2020 7:24

Tgt Ion: 85 Resp: 30418

Ion Ratio Lower Upper

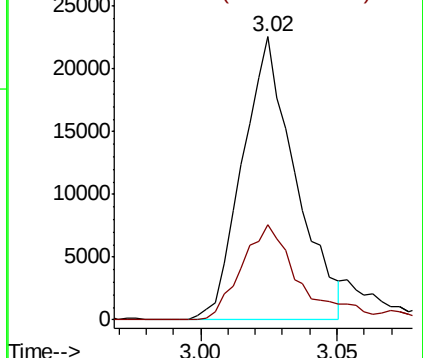
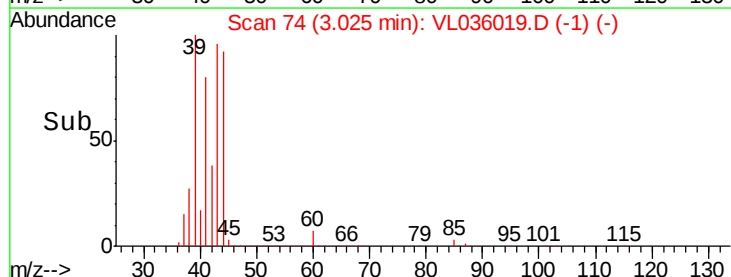
85 100

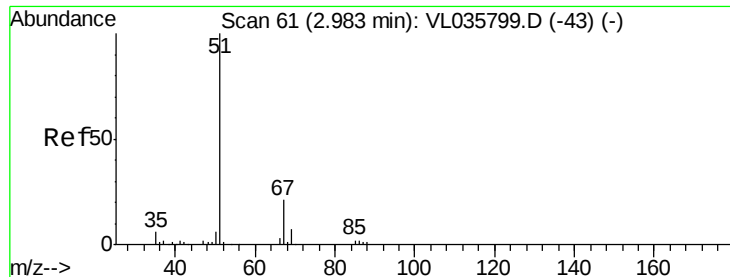
87 33.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.203 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

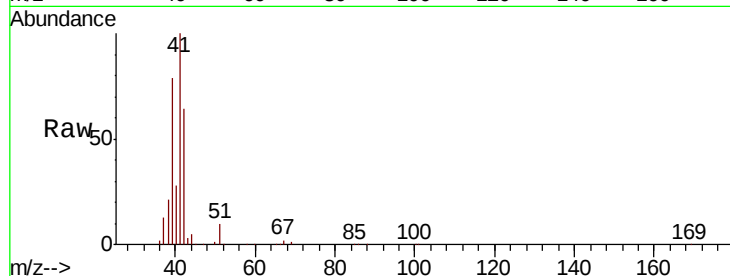
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 29709

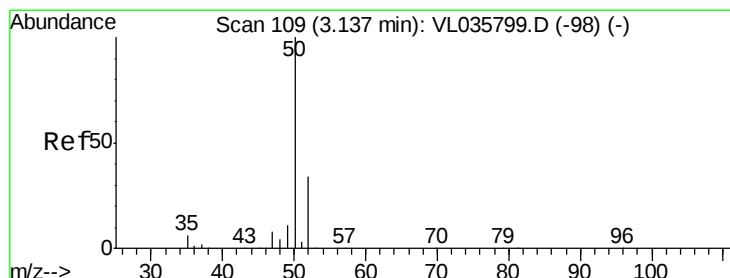
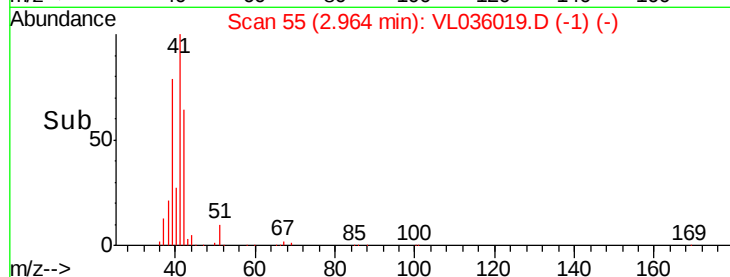
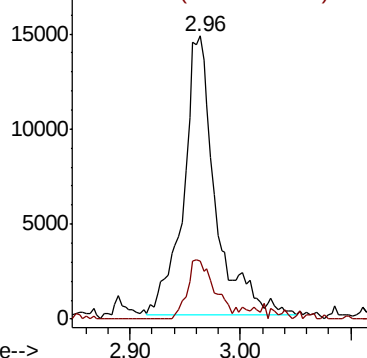
Ion Ratio Lower Upper

51 100

67 19.8 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.205 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL036019.D

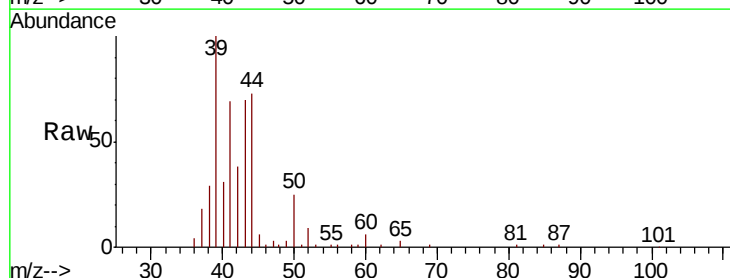
Acq: 25 Nov 2020 7:24

Tgt Ion: 50 Resp: 14577

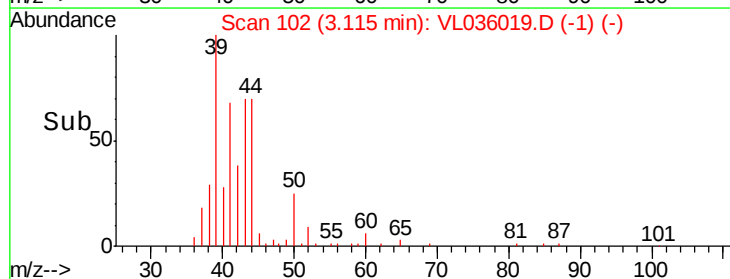
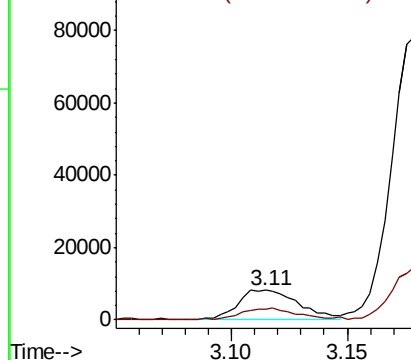
Ion Ratio Lower Upper

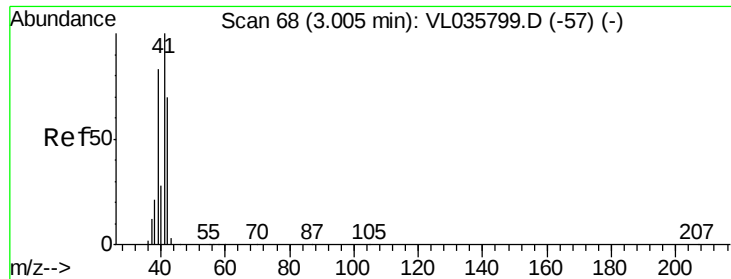
50 100

52 36.4 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 82.800 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.17 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

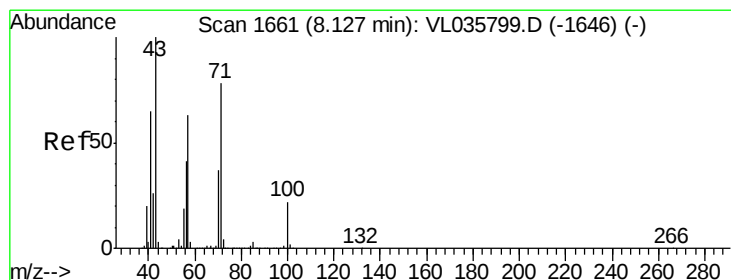
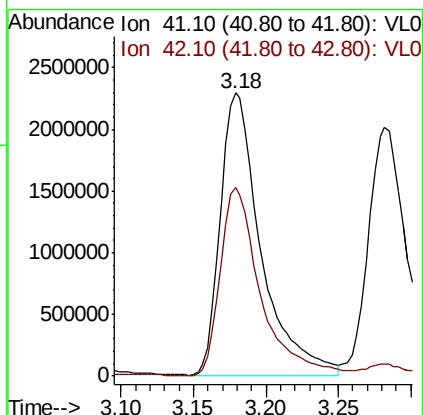
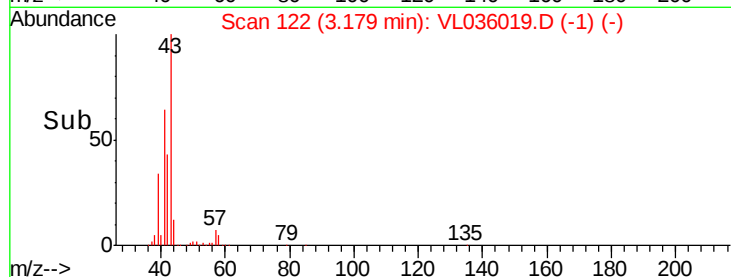
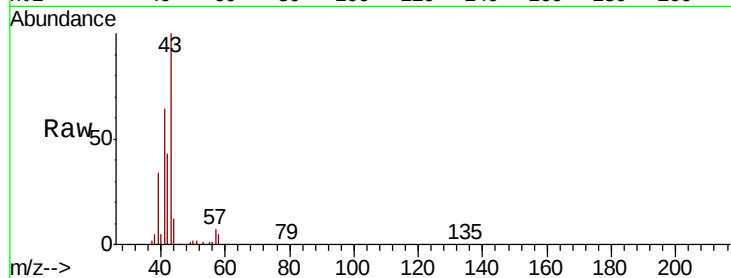
ClientSampleId :

Tot Ion: 41 Resp: 4436512

Ion Ratio Lower Upper

41 100

42 66.1 56.2 84.4



#10

Heptane

Concen: 11.918 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL036019.D

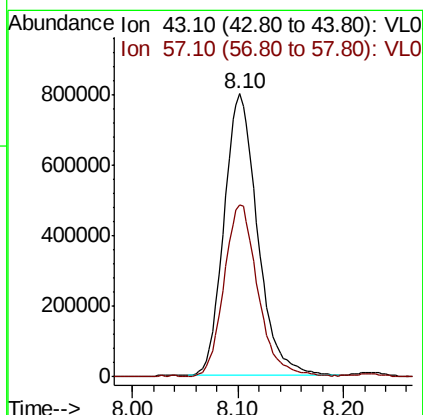
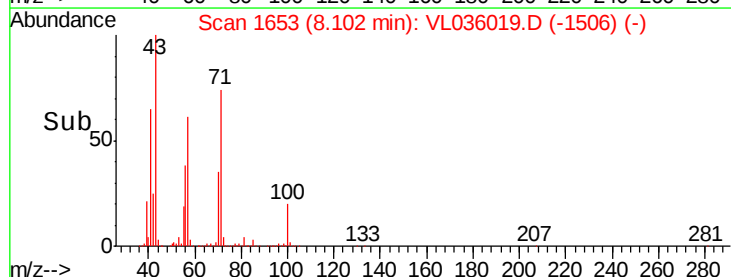
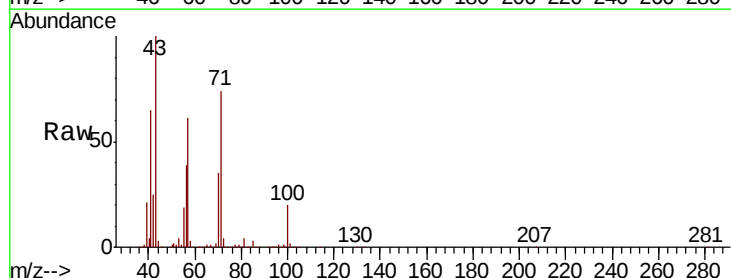
Acq: 25 Nov 2020 7:24

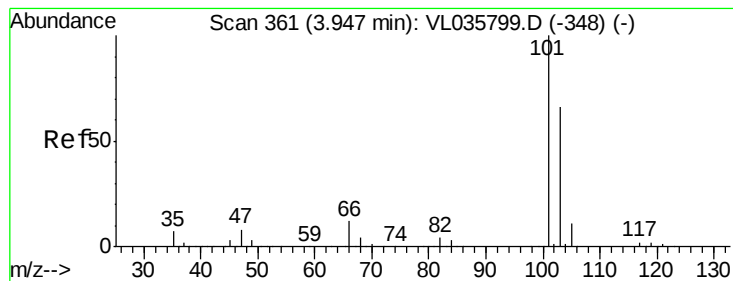
Tgt Ion: 43 Resp: 1763820

Ion Ratio Lower Upper

43 100

57 62.0 50.0 75.0





#11

Trichlorofluoromethane

Concen: 0.214 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

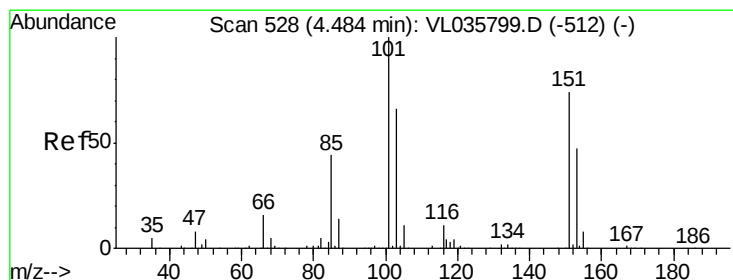
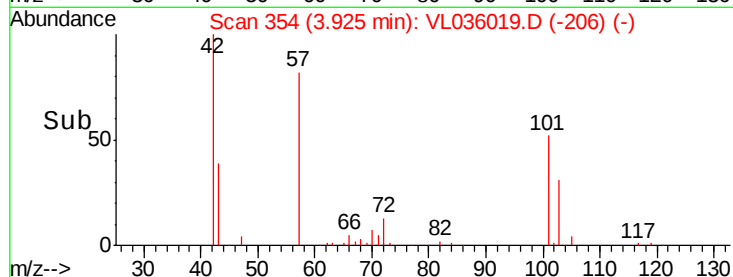
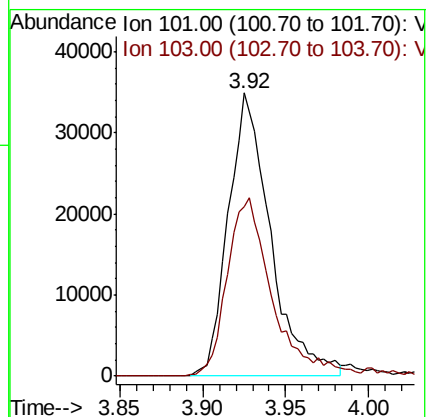
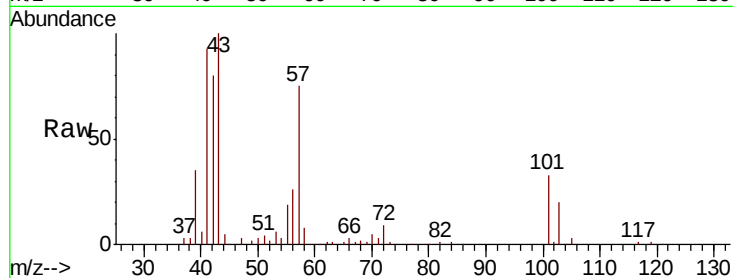
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:101 Resp: 61871

Ion Ratio Lower Upper

101 100

103 59.0 53.0 79.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.02 min

Lab File: VL036019.D

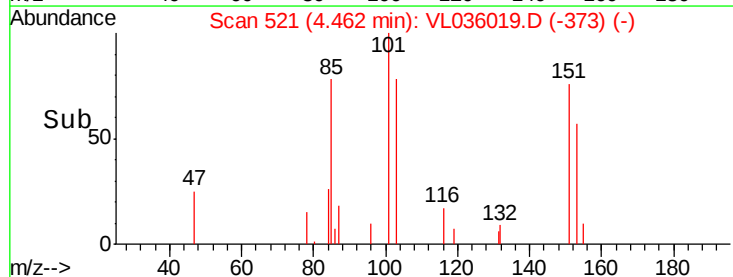
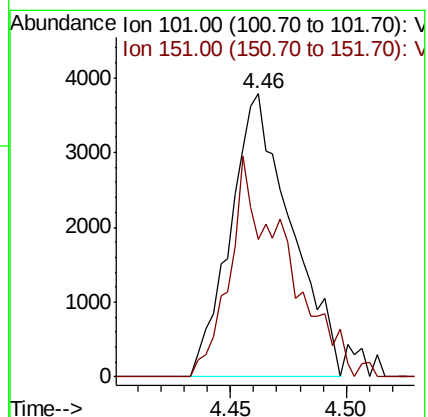
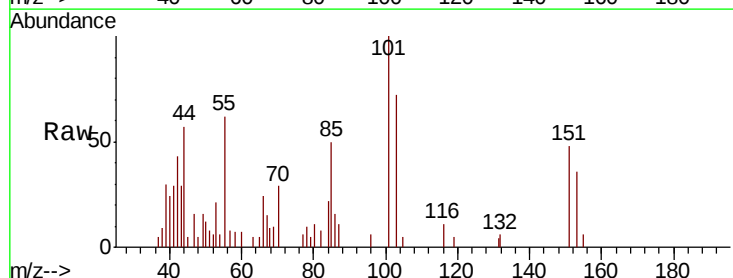
Acq: 25 Nov 2020 7:24

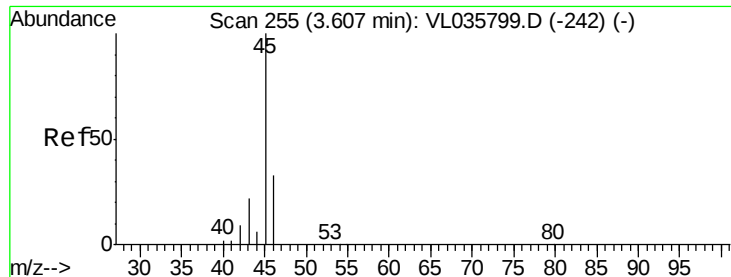
Tgt Ion:101 Resp: 6874

Ion Ratio Lower Upper

101 100

151 73.4 58.9 88.3





#13

Ethanol

Concen: 3.476 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

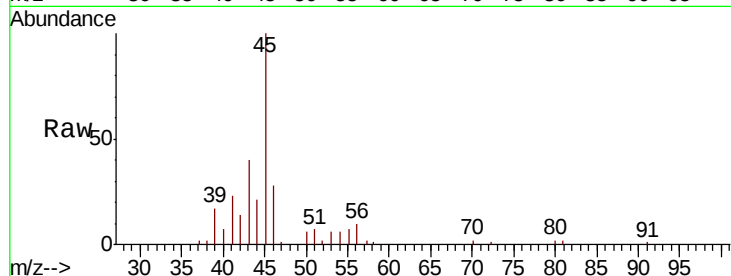
ClientSampleId :

Tot Ion: 45 Resp: 40407

Ion Ratio Lower Upper

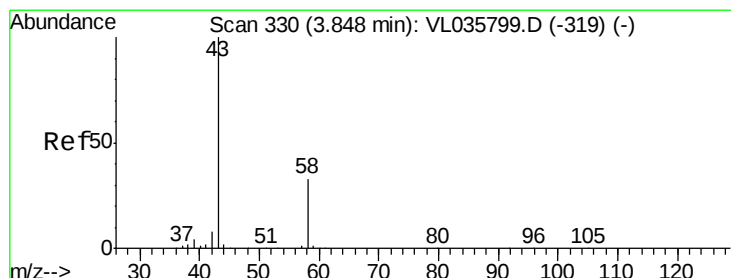
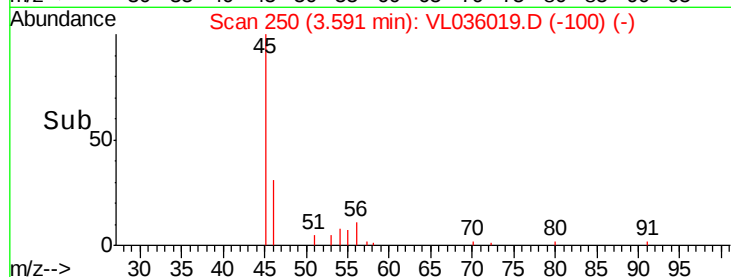
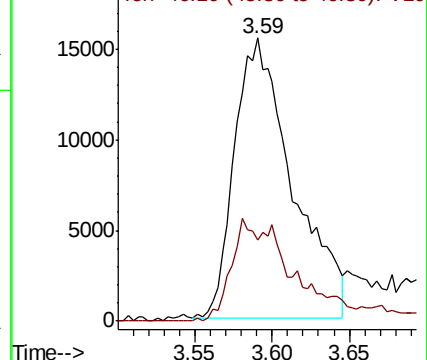
45 100

46 41.2 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 56.910 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL036019.D

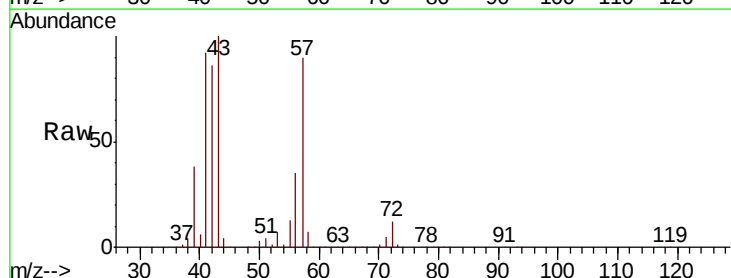
Acq: 25 Nov 2020 7:24

Tgt Ion: 43 Resp: 7437577

Ion Ratio Lower Upper

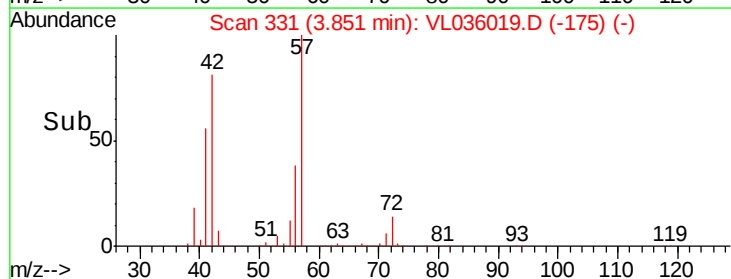
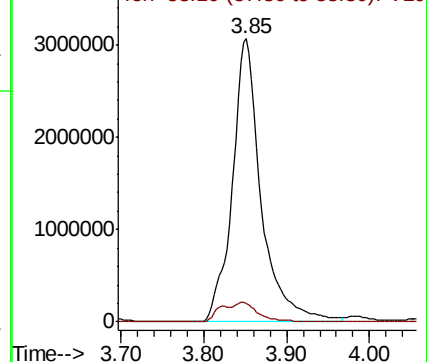
43 100

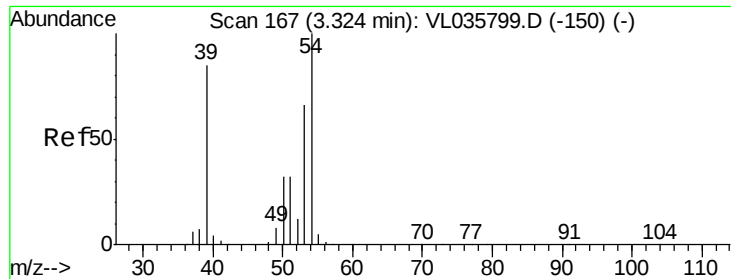
58 9.3 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

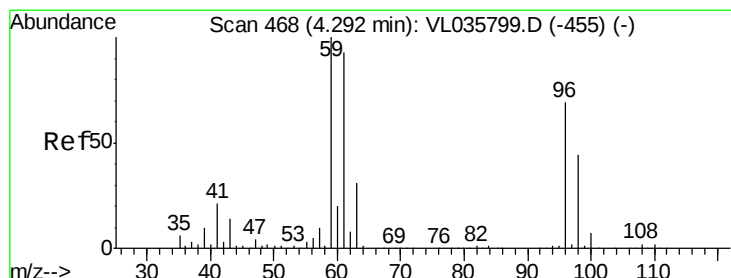
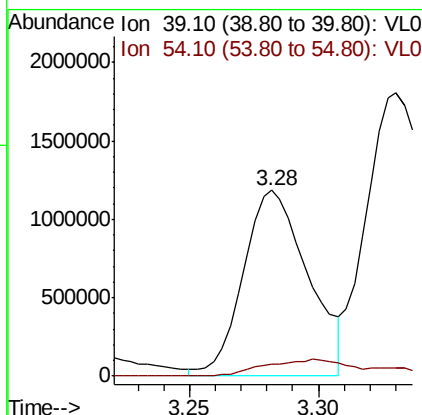
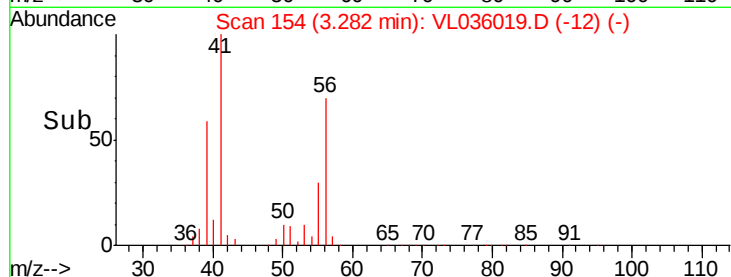
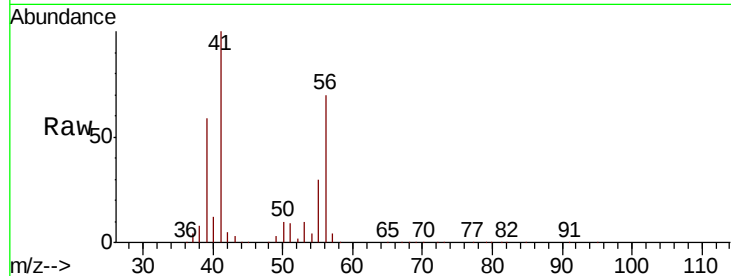




#16
 1,3-Butadiene
 Concen: 36.788 ppbv
 RT: 3.28 min Scan# 154
 Delta R.T. -0.04 min
 Lab File: VL036019.D
 Acq: 25 Nov 2020 7:24

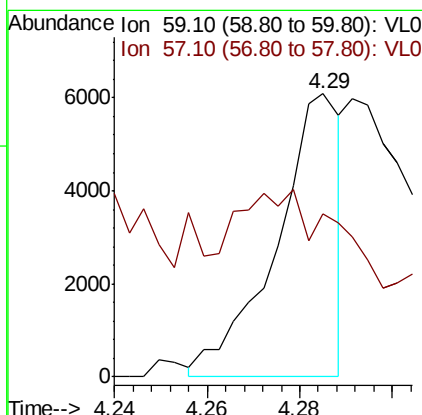
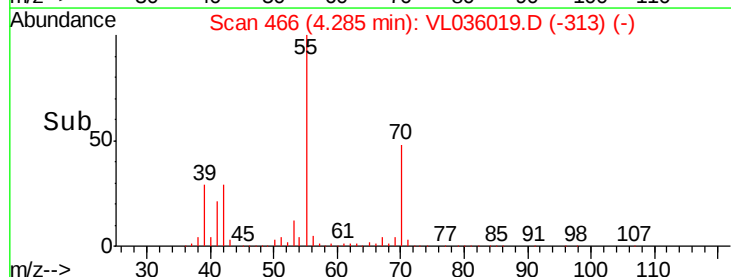
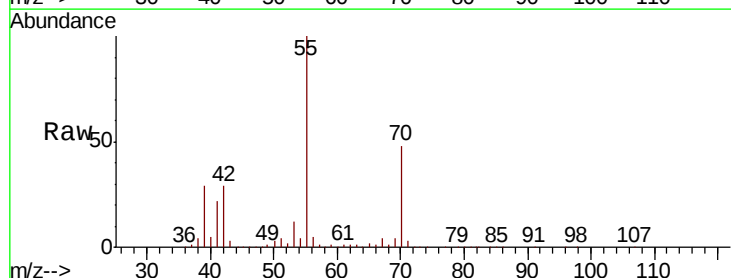
Instrument :
 MSVOA_L
 ClientSampleId :

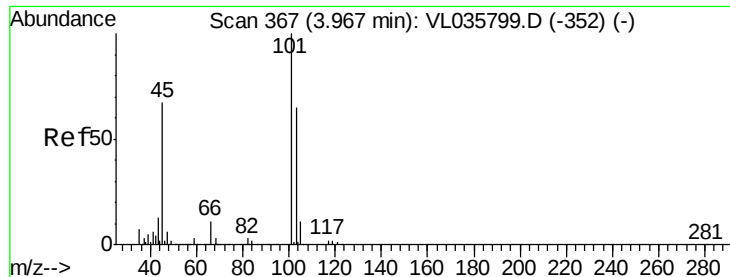
Tot Ion: 39 Resp: 2069978
 Ion Ratio Lower Upper
 39 100
 54 15.2 87.1 130.7#



#17
 tert-Butyl alcohol
 Concen: 0.034 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL036019.D
 Acq: 25 Nov 2020 7:24

Tgt Ion: 59 Resp: 5868
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 0.434 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

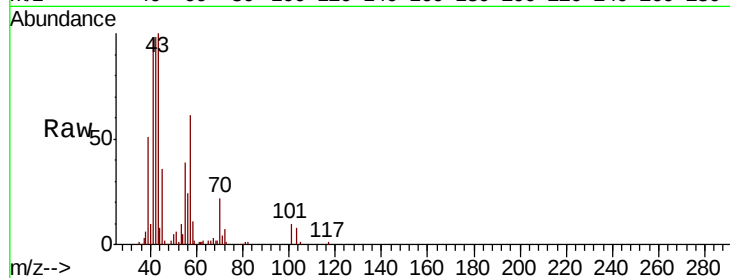
ClientSampleId :

Tot Ion: 45 Resp: 34867

Ion Ratio Lower Upper

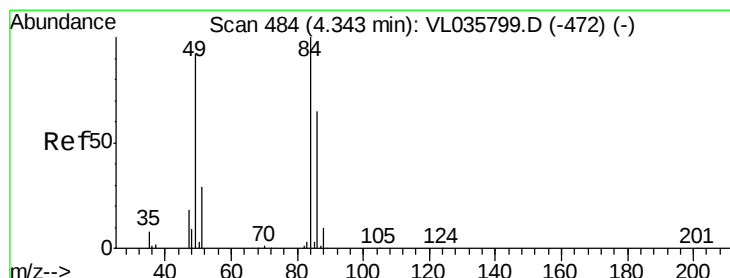
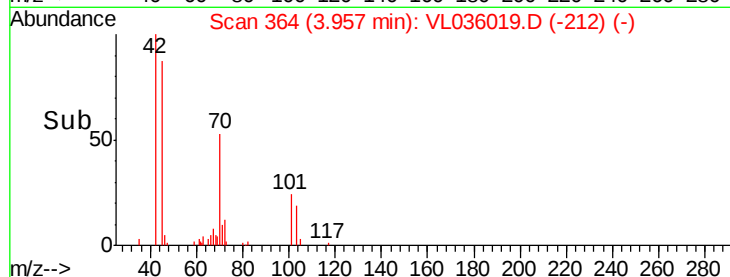
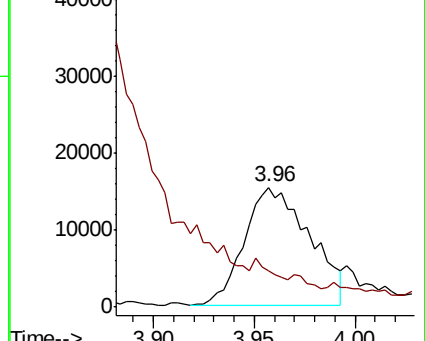
45 100

58 0.0 2.6 3.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.397 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Tgt Ion: 84 Resp: 220565

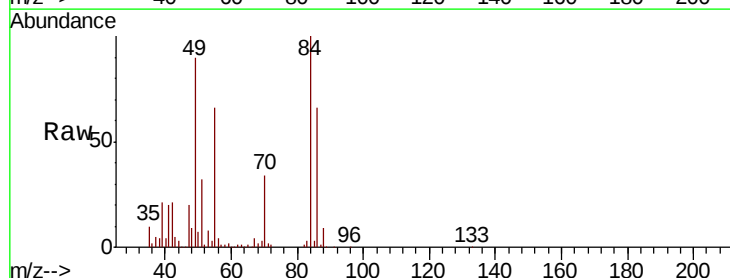
Ion Ratio Lower Upper

84 100

49 89.1 73.8 110.8

51 31.5 23.0 34.4

86 66.8 52.1 78.1

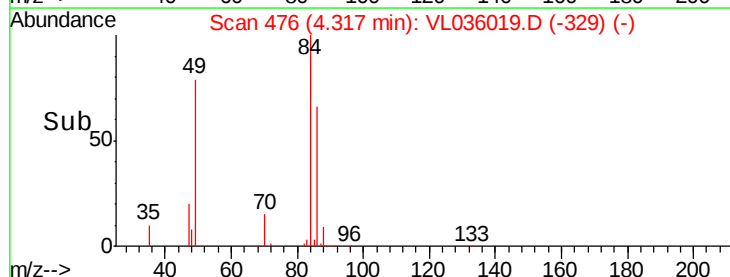
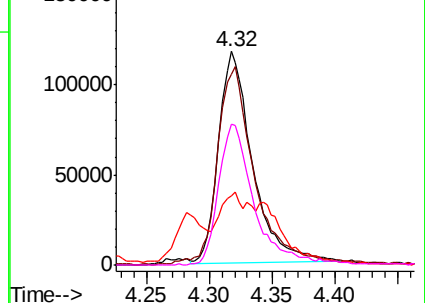


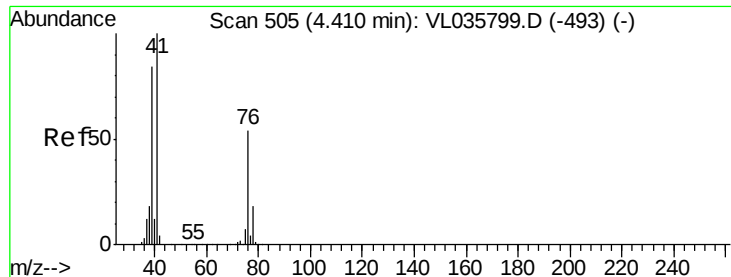
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 3.041 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.06 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :
MSVOA_L
ClientSampled :

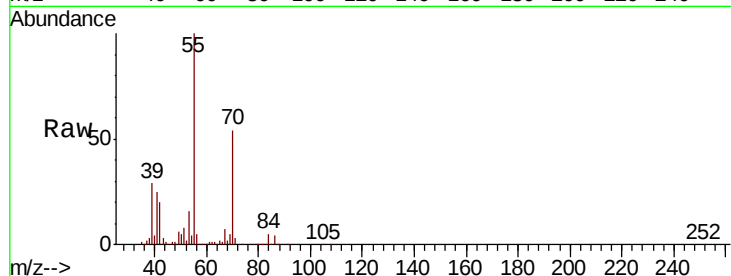
Tot Ion: 41 Resp: 214898

Ion Ratio Lower Upper

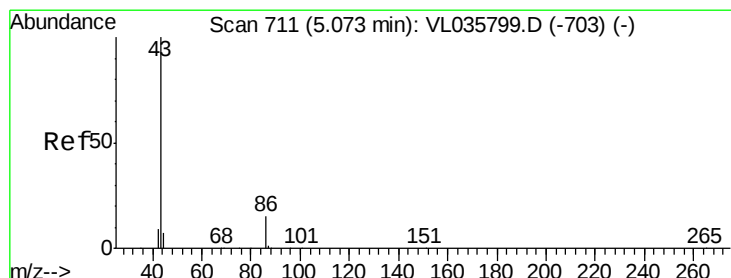
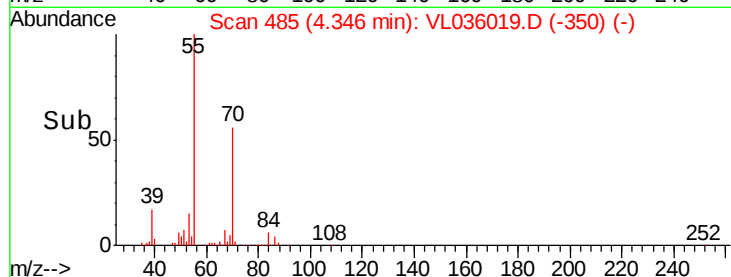
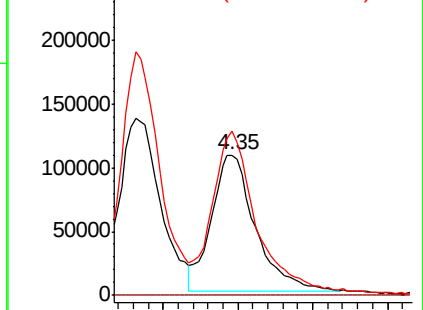
41 100

76 0.0 42.6 63.8#

39 129.2 67.0 100.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 6.148 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.04 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Tgt Ion: 43 Resp: 1126258

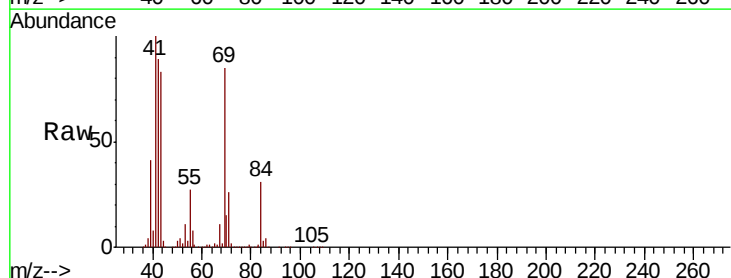
Ion Ratio Lower Upper

43 100

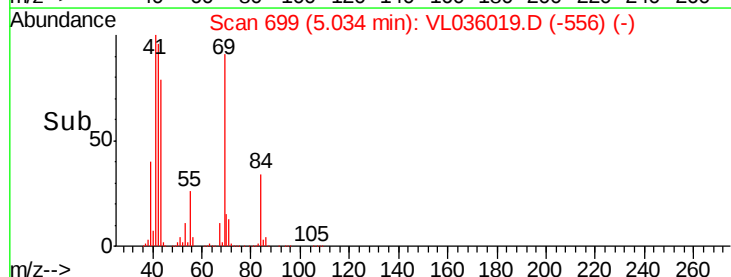
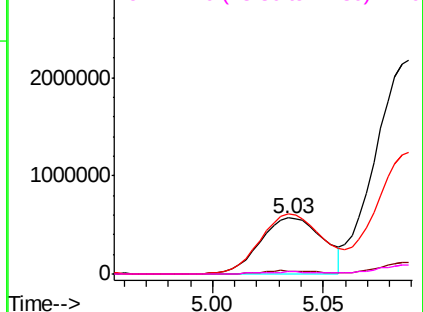
86 5.0 9.8 14.6#

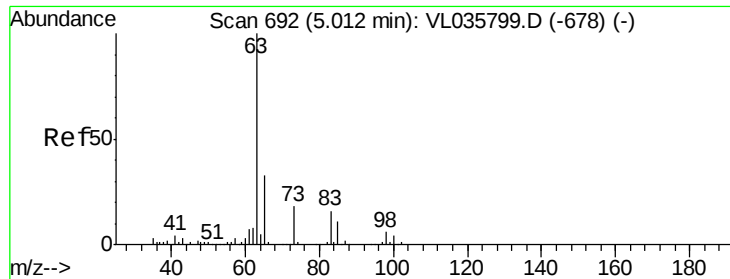
42 106.9 8.1 12.1#

44 3.4 4.2 6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.068 ppbv

RT: 4.99 min Scan# 685

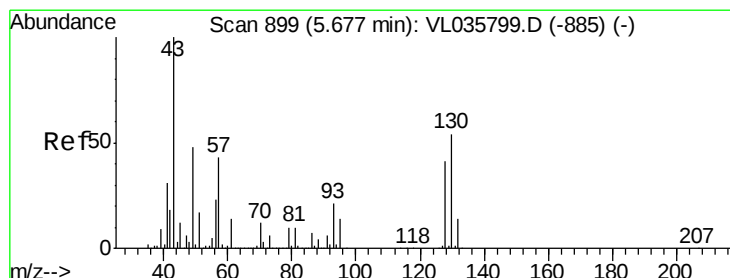
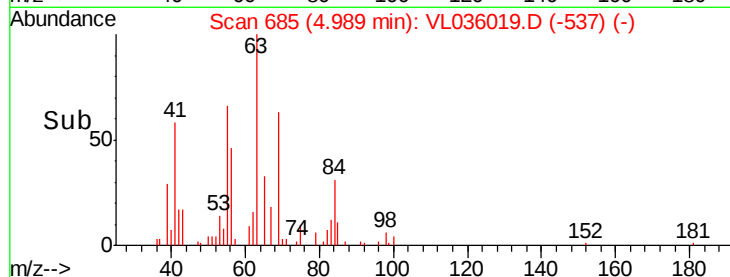
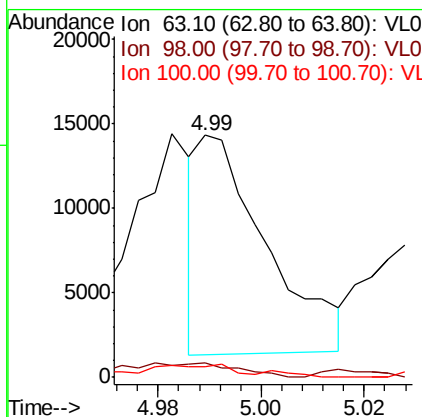
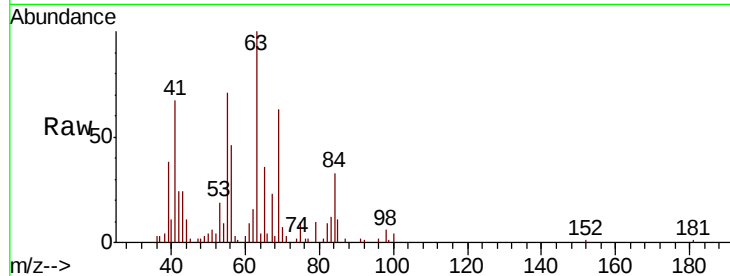
Delta R.T. -0.02 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	63	Resp:	11916
Ion	Ratio	Lower	Upper
63	100		
98	4.0	3.0	9.2
100	6.1	1.8	5.4#



#25

Ethyl Acetate

Concen: 11.464 ppbv

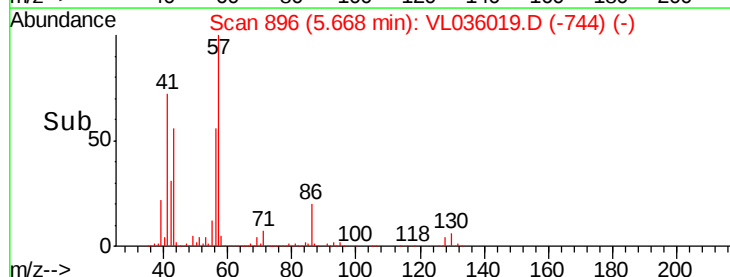
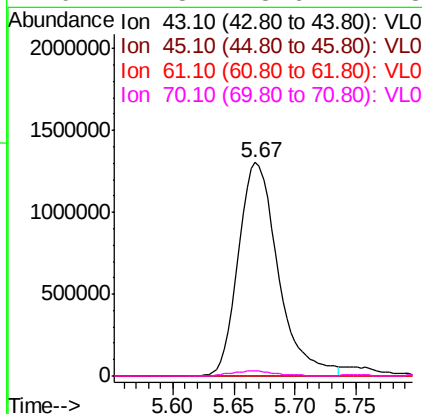
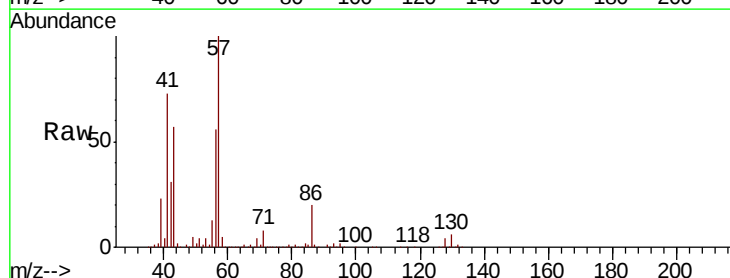
RT: 5.67 min Scan# 896

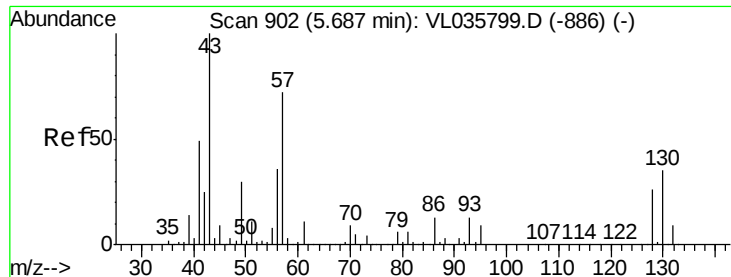
Delta R.T. -0.01 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Tgt Ion:	43	Resp:	2951442
Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.5	12.7#
61	0.2	10.7	16.1#
70	2.8	8.6	12.8#

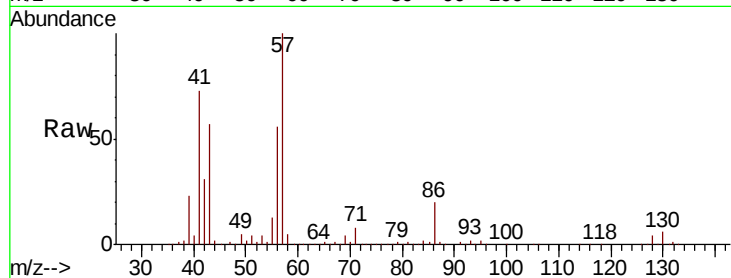




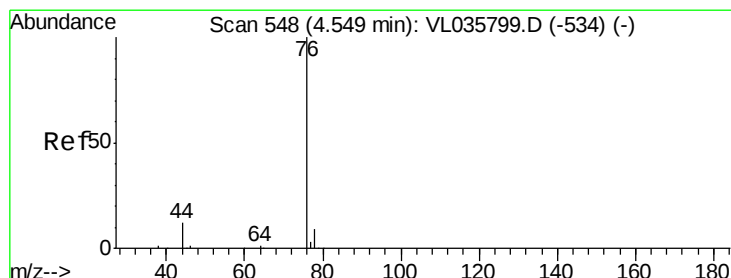
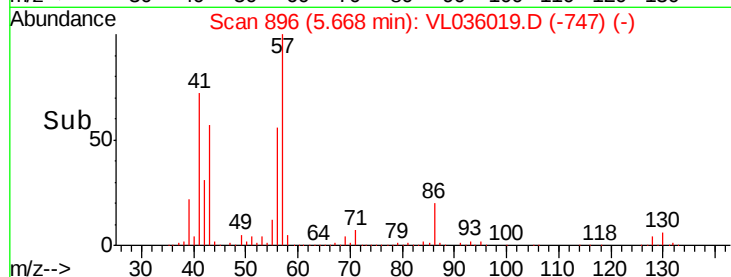
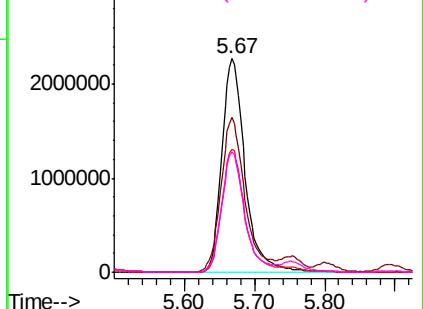
#26
Hexane
Concen: 36.727 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 5214851
Ion Ratio Lower Upper
57 100
41 75.0 58.9 88.3
43 59.2 150.2 225.2#
56 55.8 42.4 63.6

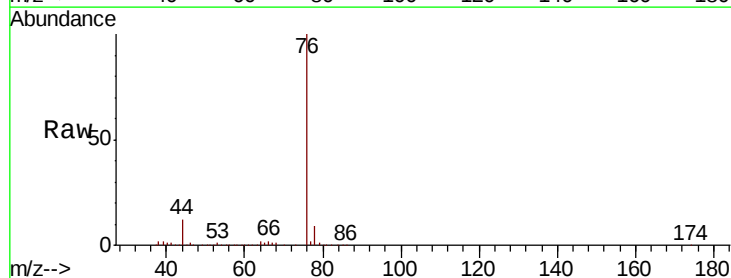


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

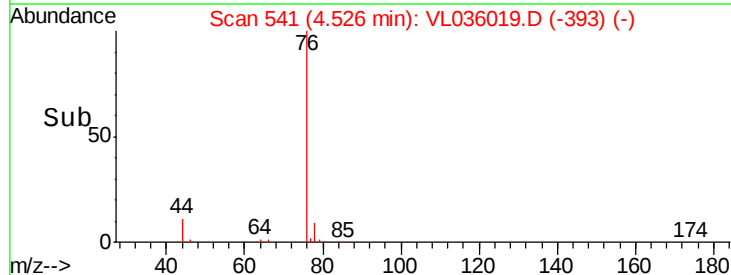
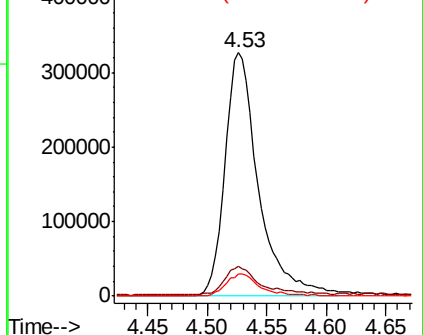


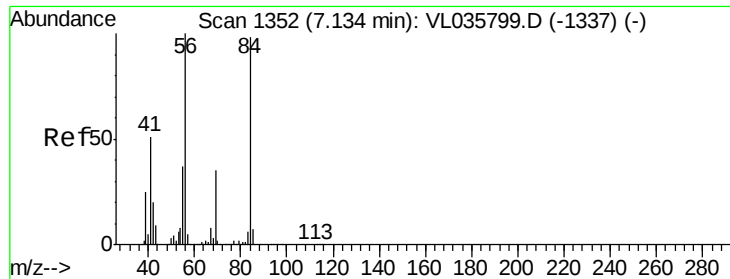
#27
Carbon Disulfide
Concen: 3.006 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.02 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

Tgt Ion: 76 Resp: 639597
Ion Ratio Lower Upper
76 100
44 12.6 9.9 14.9
78 9.5 8.1 12.1



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

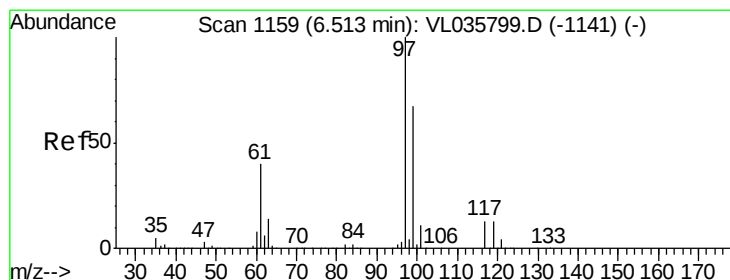
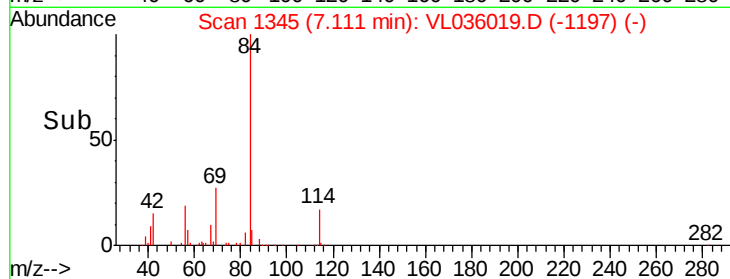
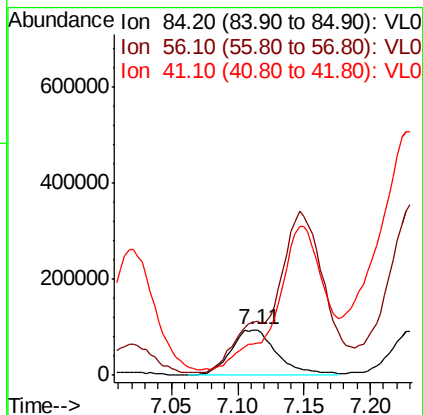
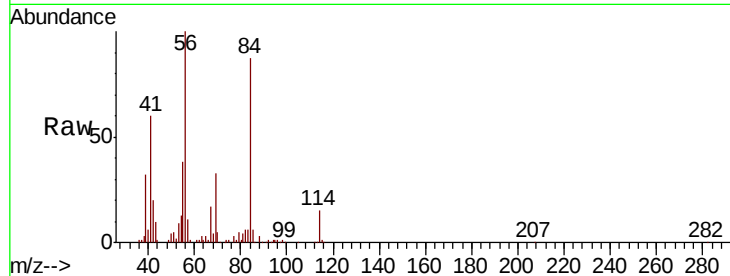




#30
Cvclohexane
Concen: 1.468 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

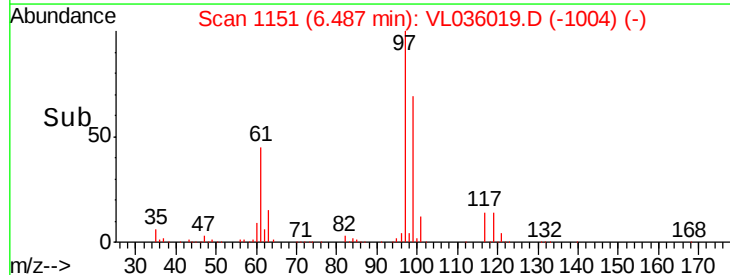
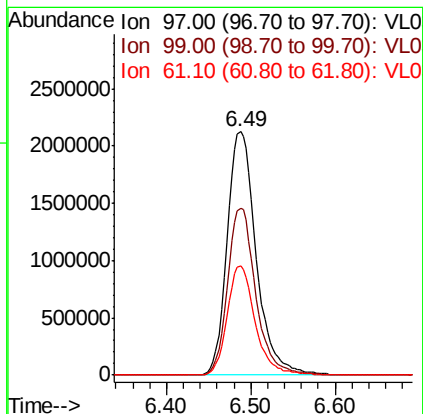
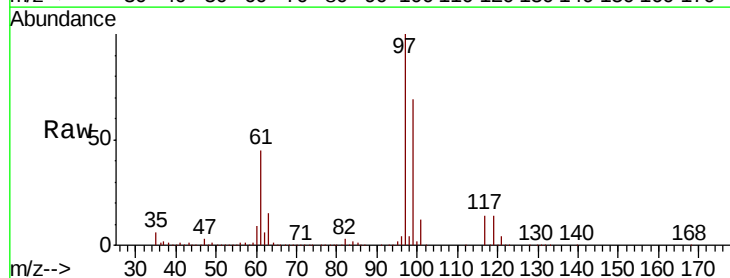
Instrument :
MSVOA_L
ClientSampleId :

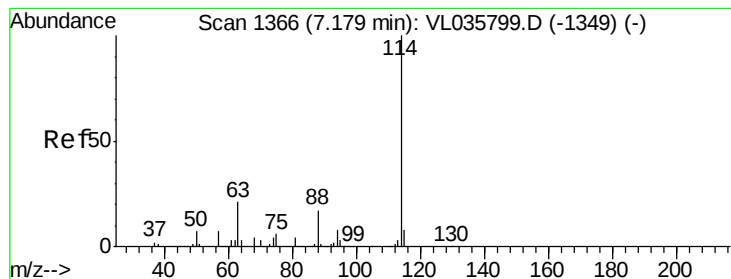
Tot Ion: 84 Resp: 227083
Ion Ratio Lower Upper
84 100
56 416.0 86.4 129.6#
41 332.4 42.1 63.1#



#32
1,1,1-Trichloroethane
Concen: 17.492 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

Tgt Ion: 97 Resp: 5094117
Ion Ratio Lower Upper
97 100
99 66.6 52.3 78.5
61 43.2 32.0 48.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

ClientSampled :

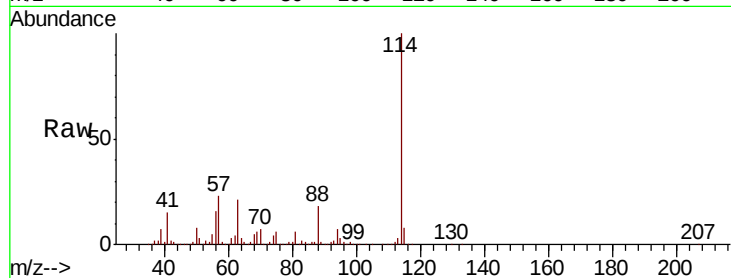
Tot Ion:114 Resp: 4774819

Ion Ratio Lower Upper

114 100

63 21.0 16.1 24.1

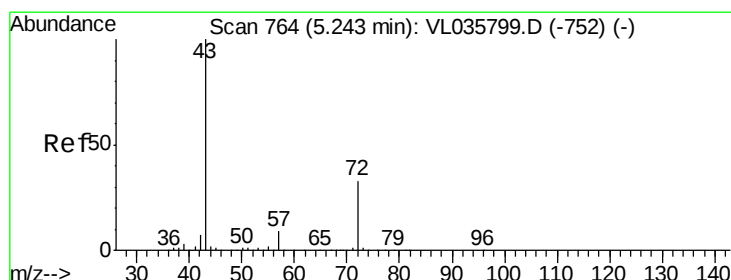
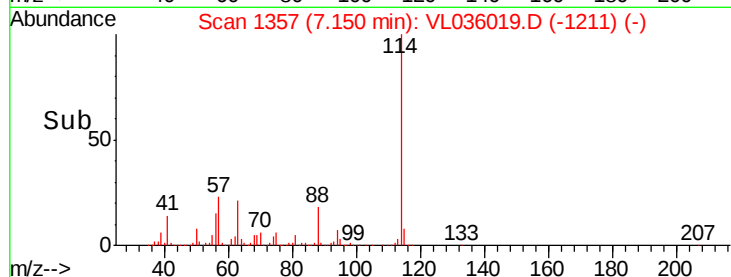
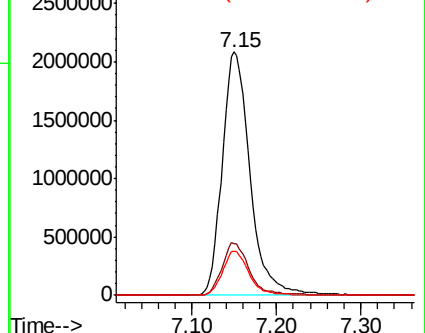
88 17.4 13.7 20.5



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: 1.143 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.01 min

Lab File: VL036019.D

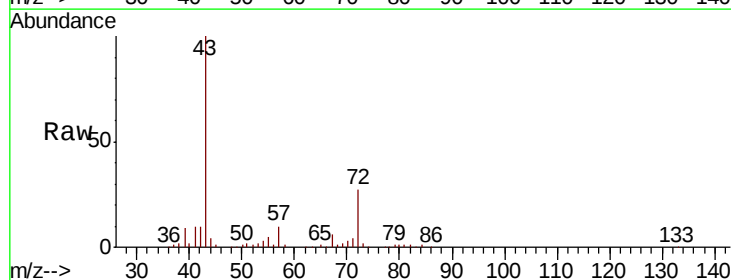
Acq: 25 Nov 2020 7:24

Tgt Ion: 43 Resp: 177120

Ion Ratio Lower Upper

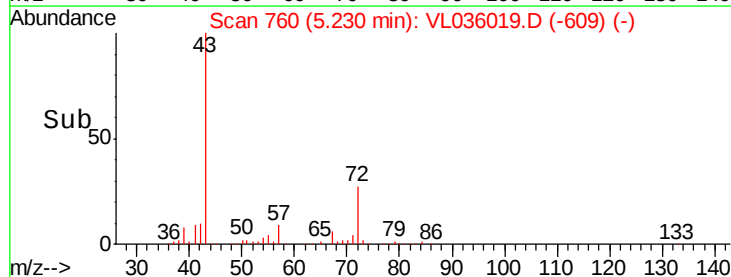
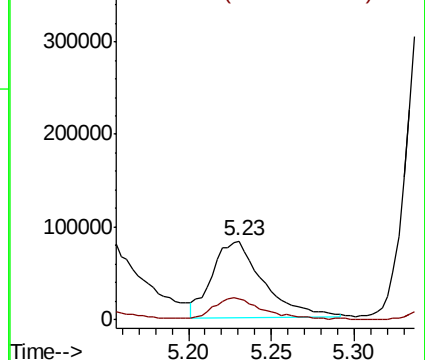
43 100

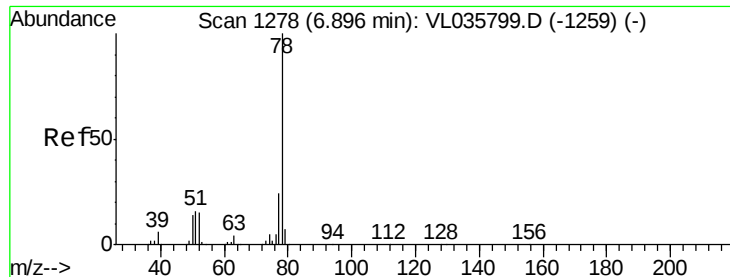
72 28.8 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

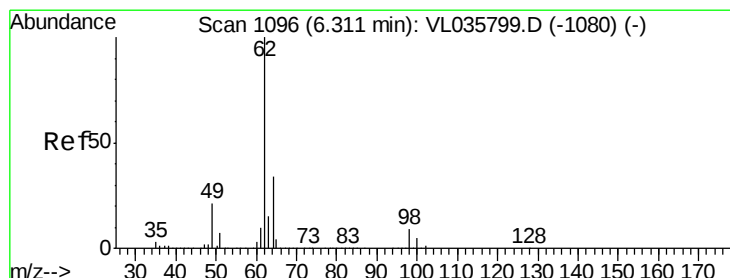
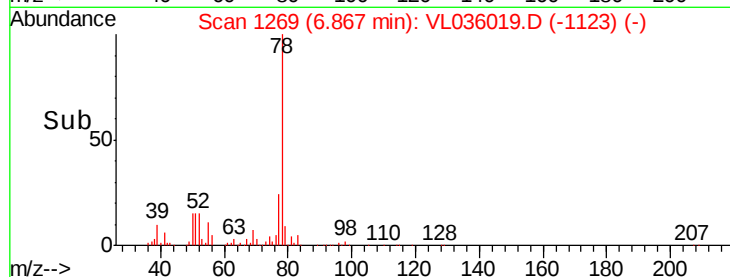
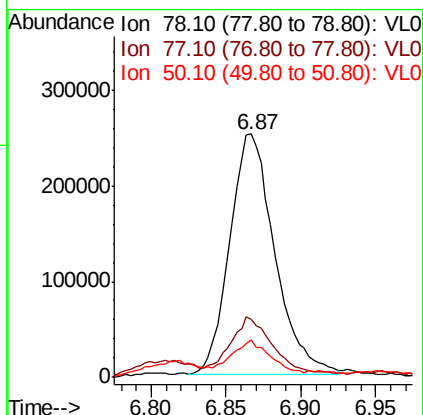
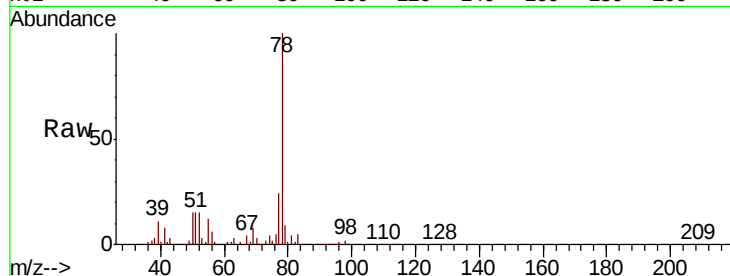




#36
Benzene
Concen: 1.480 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.03 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

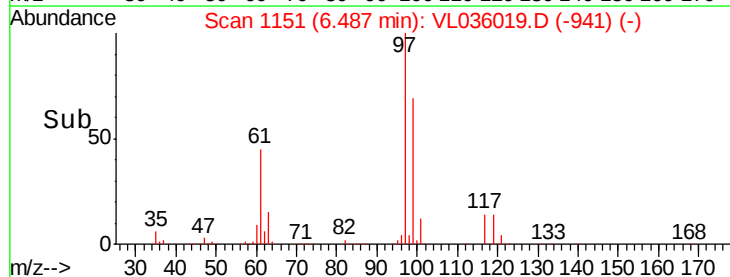
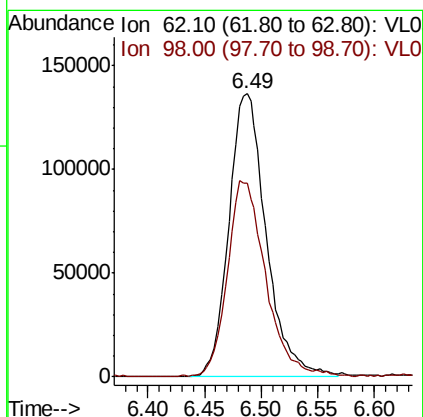
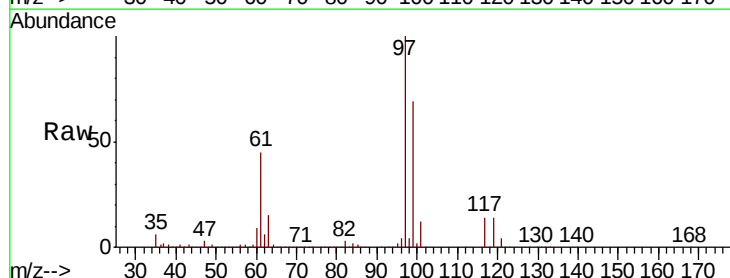
Instrument :
MSVOA_L
ClientSampleId :

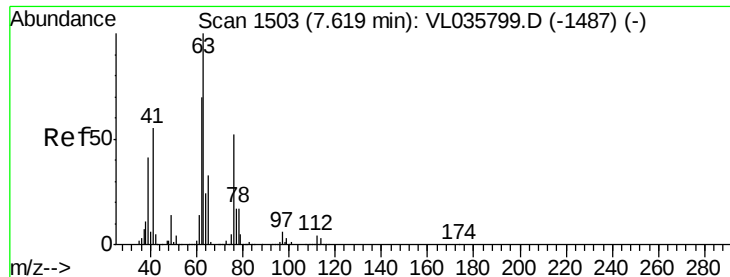
Tot Ion: 78 Resp: 525386
Ion Ratio Lower Upper
78 100
77 22.4 19.3 28.9
50 13.6 11.4 17.2



#37
1,2-Dichloroethane
Concen: 1.941 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. 0.18 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

Tgt Ion: 62 Resp: 312147
Ion Ratio Lower Upper
62 100
98 72.4 6.9 10.3#

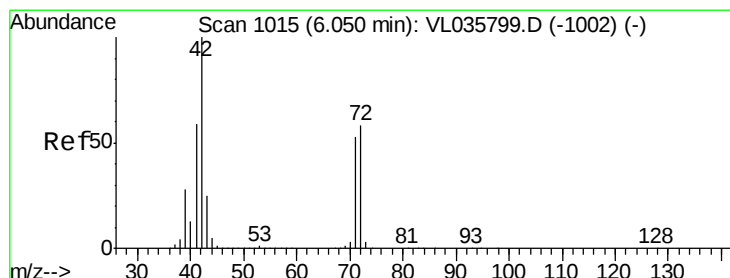
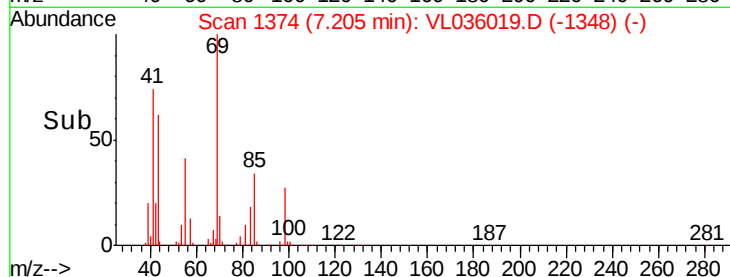
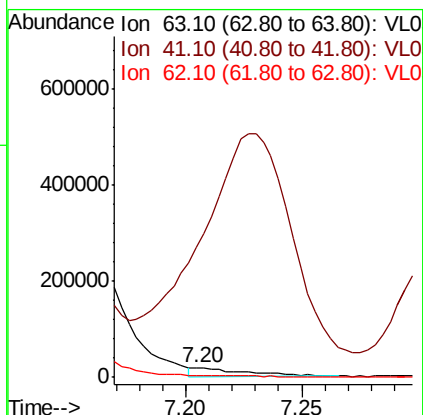
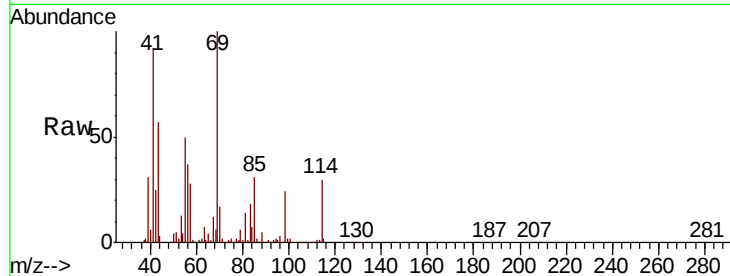




#39
 1,2-Dichloropropane
 Concen: 0.228 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.41 min
 Lab File: VL036019.D
 Acq: 25 Nov 2020 7:24

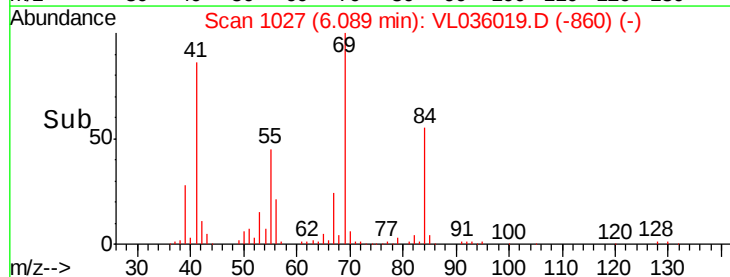
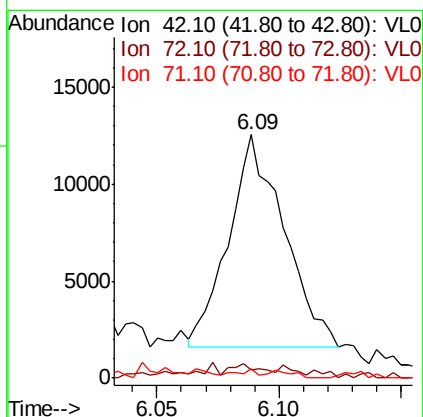
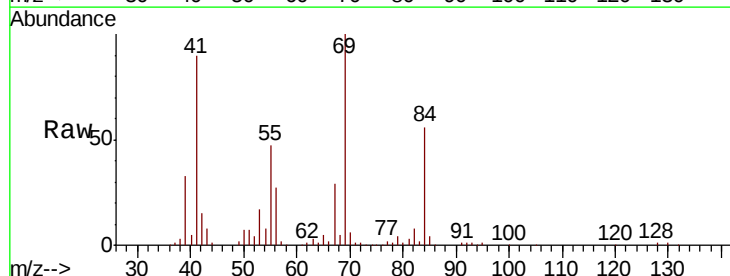
Instrument :
 MSVOA_L
 ClientSampleId :

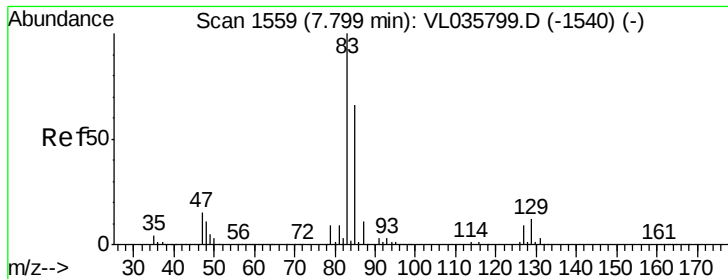
Tot Ion: 63 Resp: 27190
 Ion Ratio Lower Upper
 63 100
 41 1154.9 43.8 65.6#
 62 21.0 56.2 84.2#



#41
 Tetrahydrofuran
 Concen: 0.197 ppbv
 RT: 6.09 min Scan# 1027
 Delta R.T. 0.04 min
 Lab File: VL036019.D
 Acq: 25 Nov 2020 7:24

Tgt Ion: 42 Resp: 17337
 Ion Ratio Lower Upper
 42 100
 72 11.5 45.4 68.0#
 71 0.0 43.4 65.2#





#42

Bromodichloromethane

Concen: 0.196 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.03 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

ClientSampled :

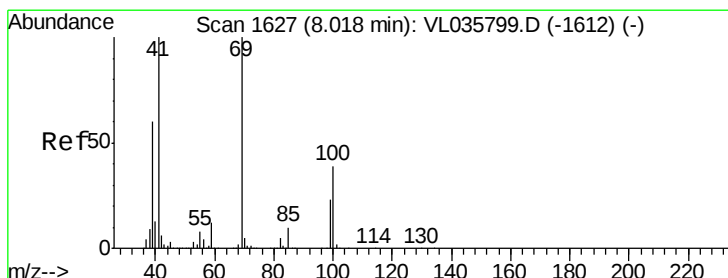
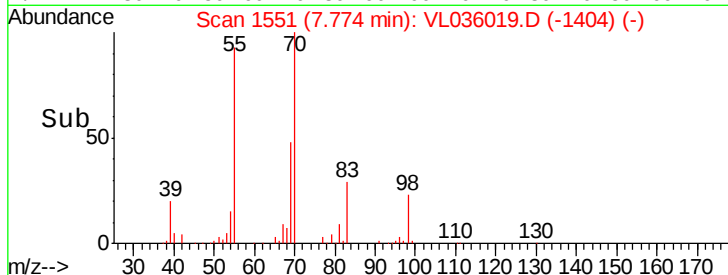
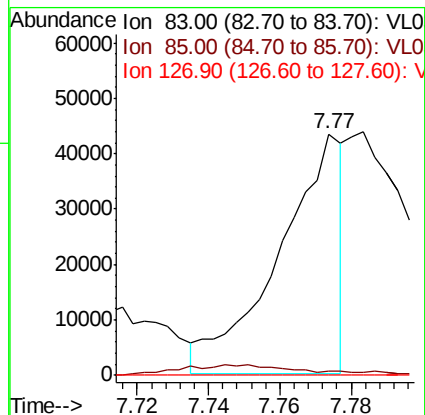
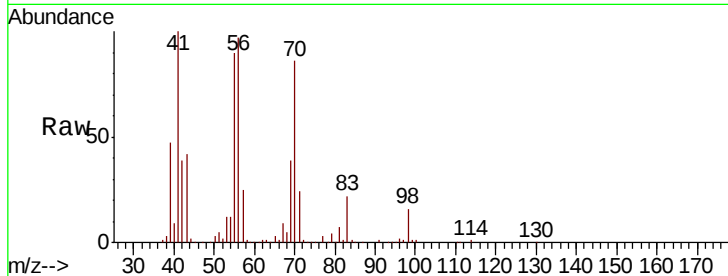
Tot Ion: 83 Resp: 53316

Ion Ratio Lower Upper

83 100

85 0.1 53.1 79.7#

127 0.0 7.3 10.9#



#43

Methyl Methacrylate

Concen: 0.095 ppbv

RT: 7.96 min Scan# 1609

Delta R.T. -0.06 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

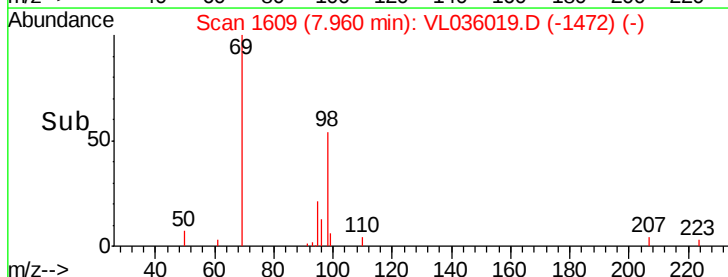
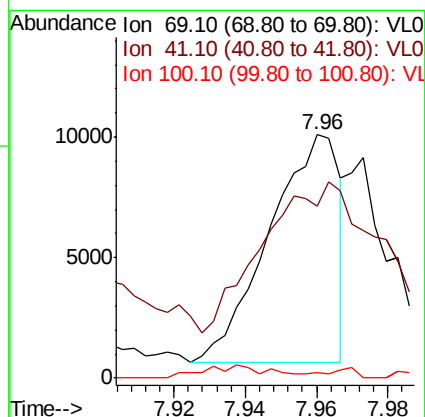
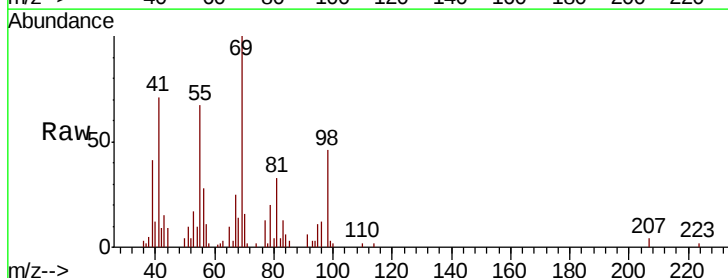
Tgt Ion: 69 Resp: 12826

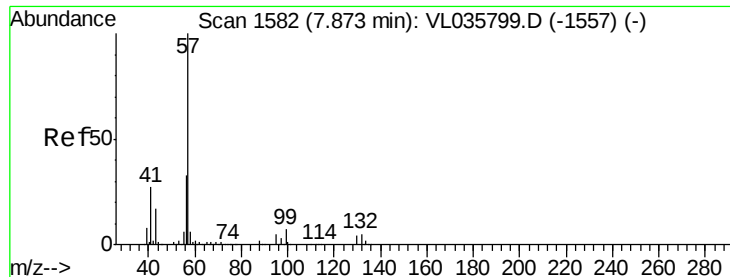
Ion Ratio Lower Upper

69 100

41 0.0 81.1 121.7#

100 0.0 31.0 46.4#

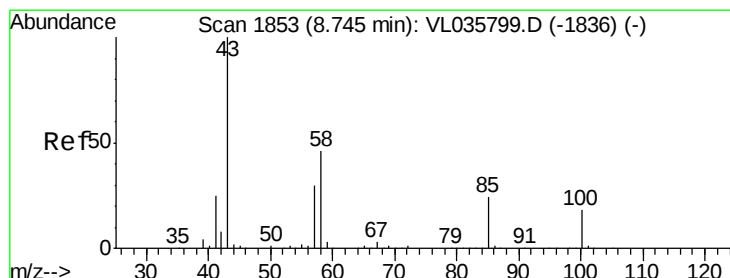
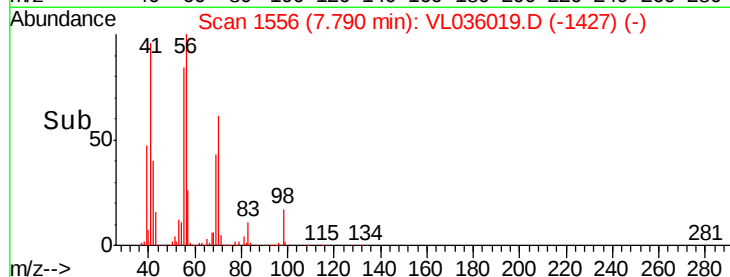
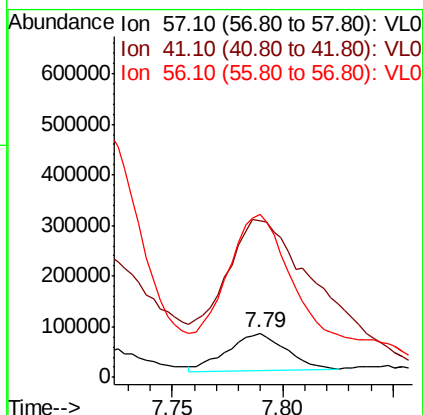
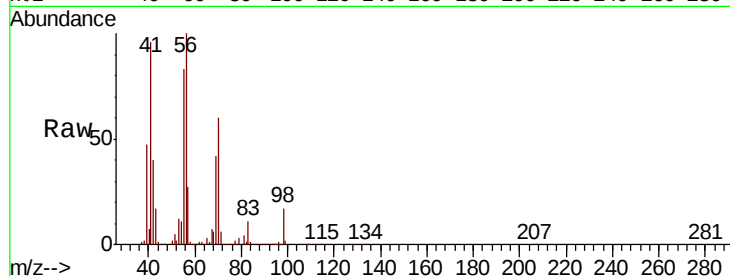




#44
 2,2,4-Trimethylpentane
 Concen: 0.289 ppbv
 RT: 7.79 min Scan# 1556
 Delta R.T. -0.08 min
 Lab File: VL036019.D
 Acq: 25 Nov 2020 7:24

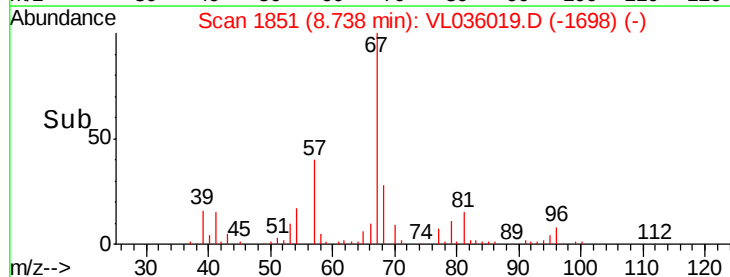
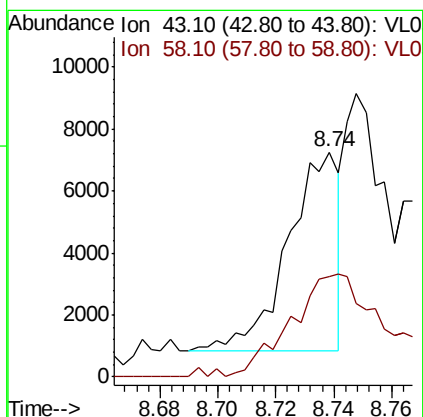
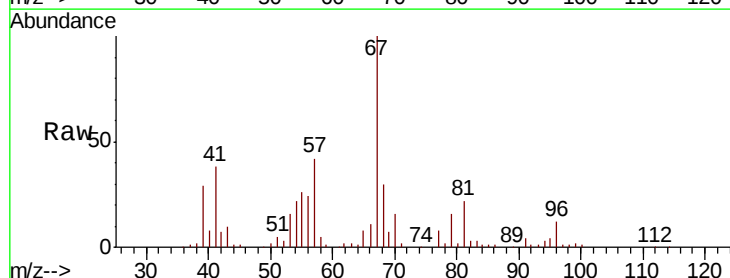
Instrument :
 MSVOA_L
 ClientSampleId :

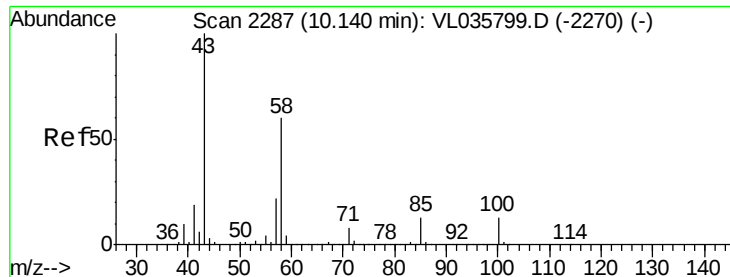
Tot Ion: 57 Resp: 135810
 Ion Ratio Lower Upper
 57 100
 41 761.3 21.0 31.4#
 56 676.2 25.4 38.0#



#50
 4-Methyl-2-Pentanone
 Concen: 0.033 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VL036019.D
 Acq: 25 Nov 2020 7:24

Tgt Ion: 43 Resp: 7897
 Ion Ratio Lower Upper
 43 100
 58 119.6 36.0 54.0#





#51

2-Hexanone

Concen: 2.071 ppbv

RT: 10.09 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

ClientSampleId :

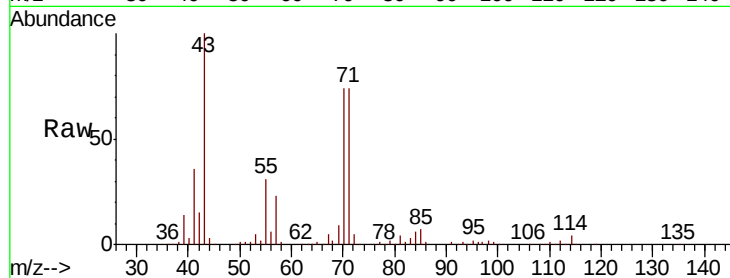
Tot Ion: 43 Resp: 394153

Ion Ratio Lower Upper

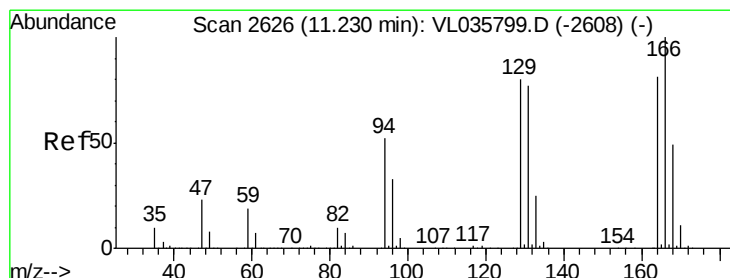
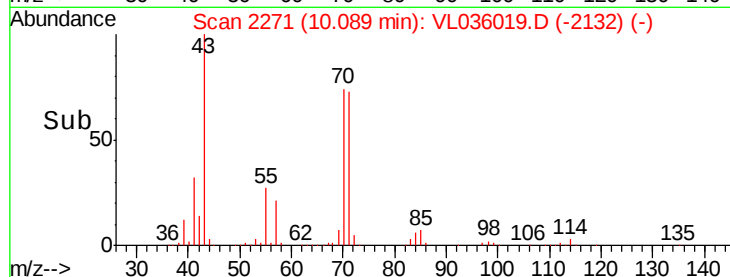
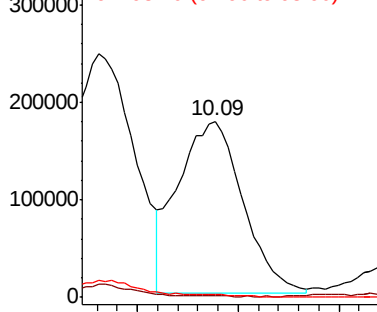
43 100

58 0.0 48.3 72.5#

98 0.0 0.6 0.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.123 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.03 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Tgt Ion:164 Resp: 20636

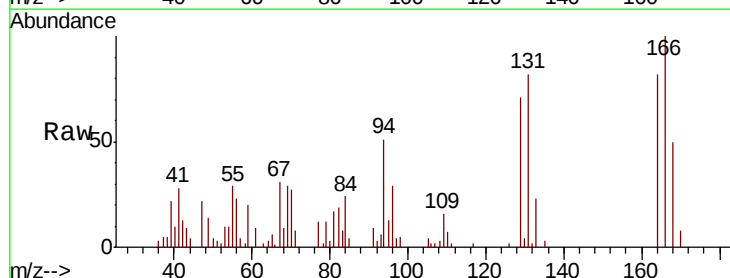
Ion Ratio Lower Upper

164 100

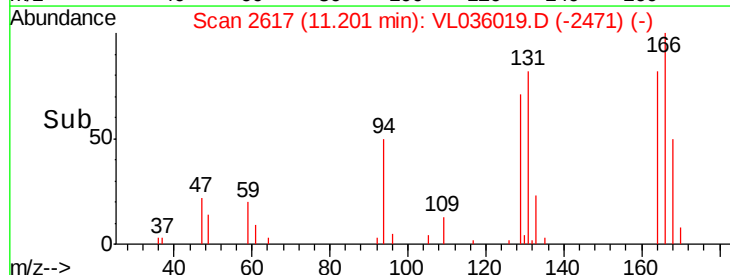
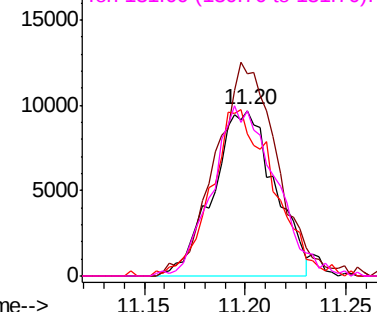
166 122.5 99.3 148.9

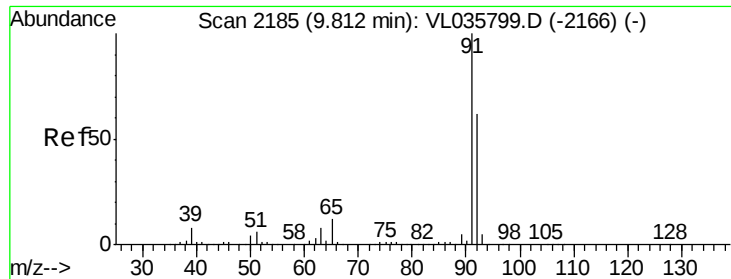
129 83.5 79.3 118.9

131 98.1 76.5 114.7



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





#53

Toluene

Concen: 0.711 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

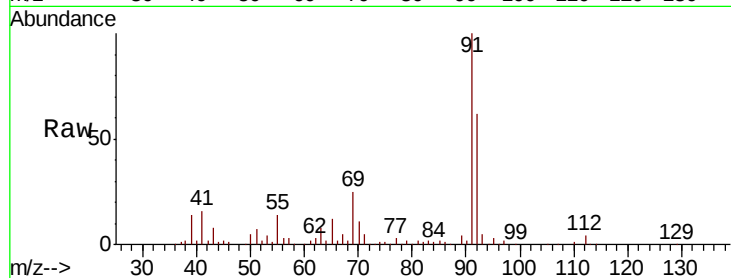
ClientSampleId :

Tot Ion: 91 Resp: 304462

Ion Ratio Lower Upper

91 100

92 62.7 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

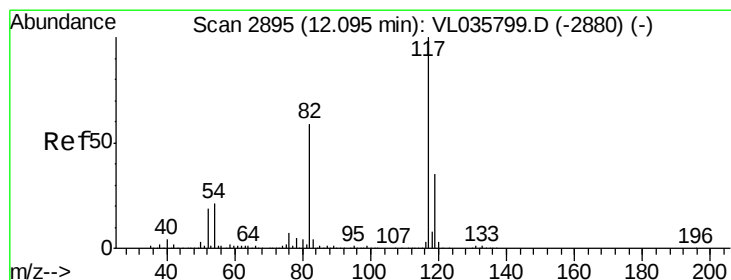
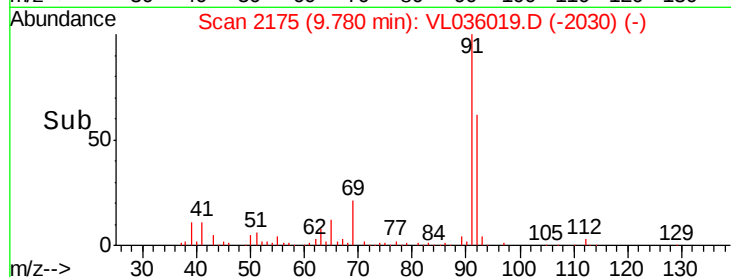
150000

100000

50000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

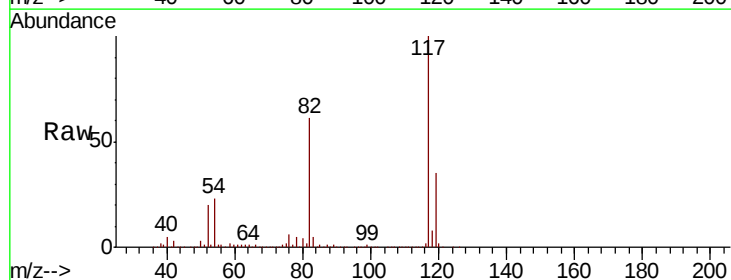
Tgt Ion: 117 Resp: 4567137

Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

119 34.8 52.6 78.8#



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

2500000

2000000

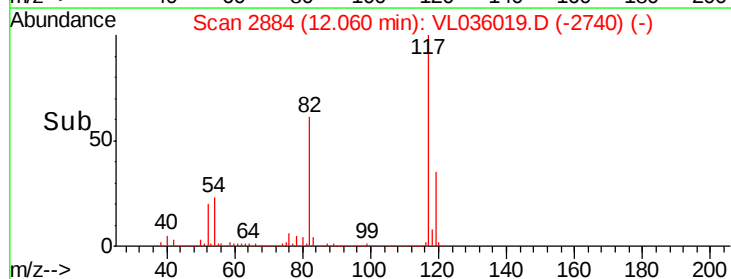
1500000

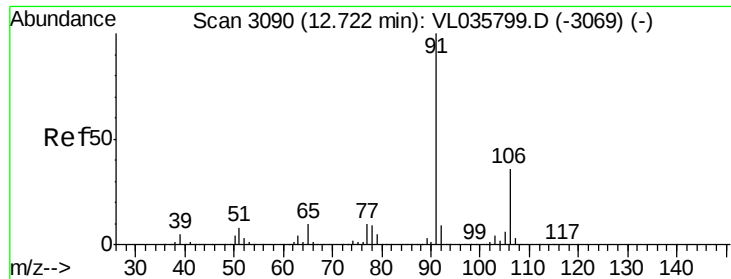
1000000

500000

0

Time-->





#58

Ethyl Benzene

Concen: 0.044 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.04 min

Lab File: VL036019.D

Acq: 25 Nov 2020 7:24

Instrument :

MSVOA_L

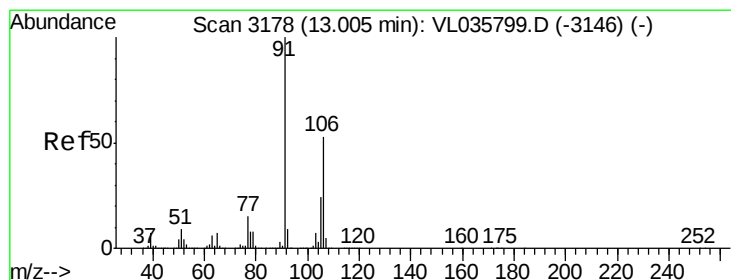
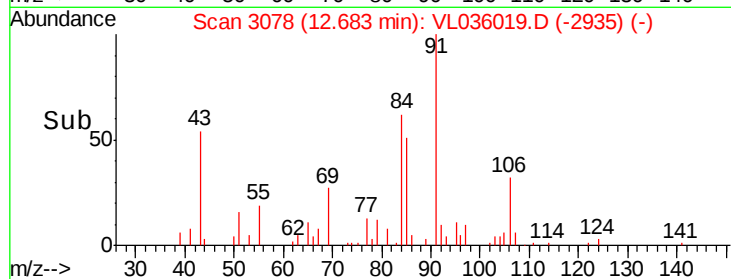
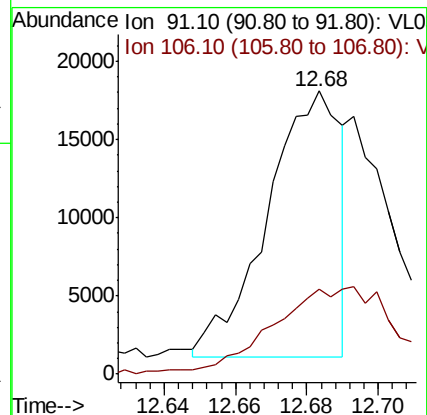
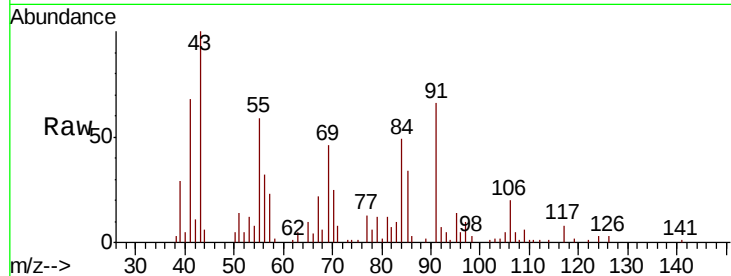
ClientSampleId :

Tot Ion: 91 Resp: 24224

Ion Ratio Lower Upper

91 100

106 31.2 28.6 43.0



#59

m/p-Xylene

Concen: 0.036 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL036019.D

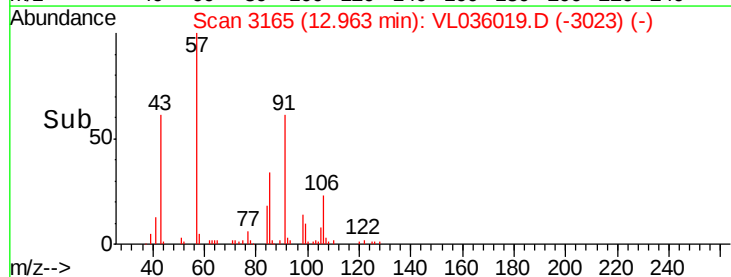
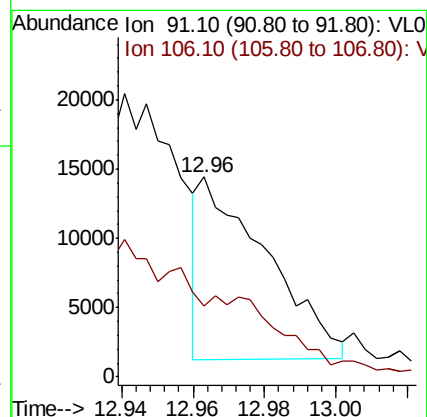
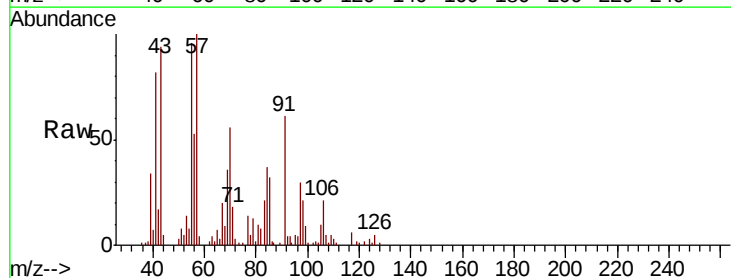
Acq: 25 Nov 2020 7:24

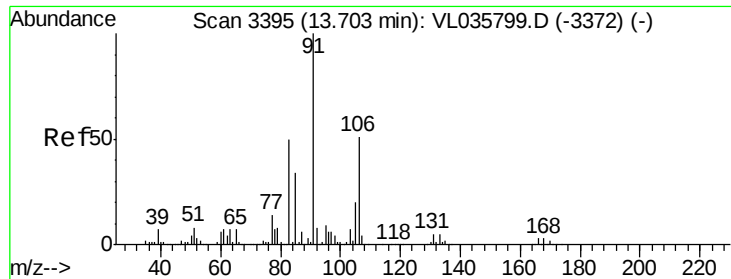
Tgt Ion: 91 Resp: 17137

Ion Ratio Lower Upper

91 100

106 0.0 39.5 59.3#

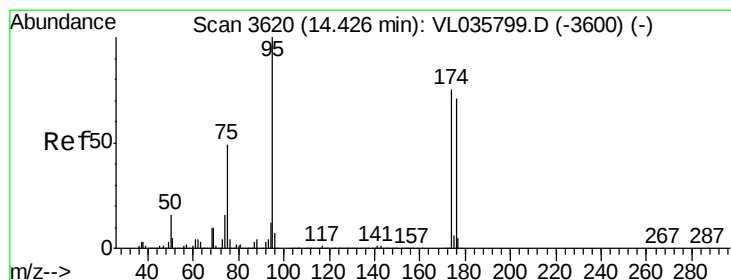
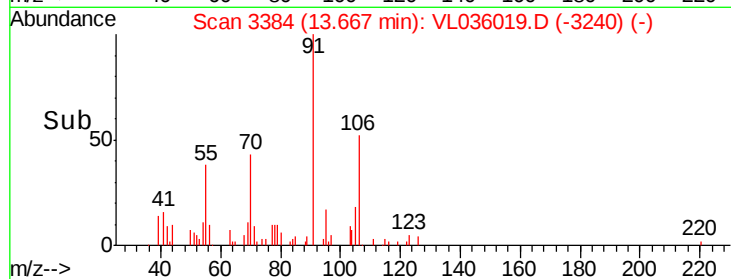
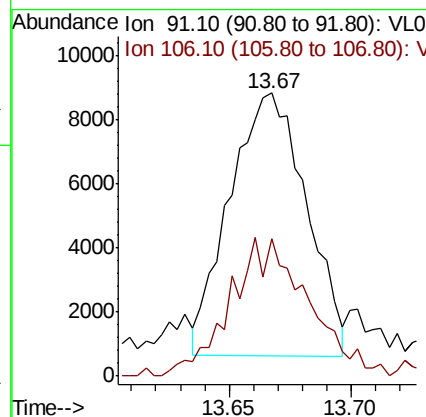
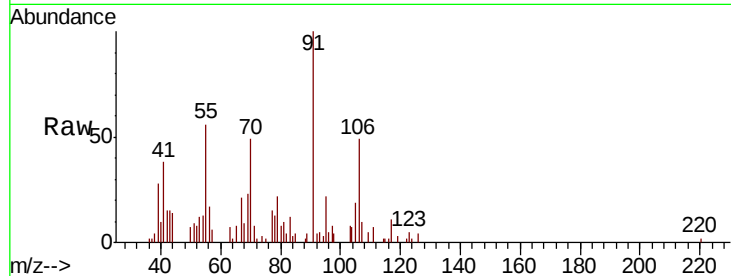




#60
o-Xylene
Concen: 0.039 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 17911
Ion Ratio Lower Upper
91 100
106 55.3 24.8 74.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.450 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL036019.D
Acq: 25 Nov 2020 7:24

Tgt Ion: 95 Resp: 3390987
Ion Ratio Lower Upper
95 100
174 70.0 59.8 89.6
175 5.0 4.3 6.5

