

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035599.D
 Acq On : 14 Sep 2020 15:20
 Operator : SY/AP
 Sample : L3983-07 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10

Quant Time: Sep 15 06:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1099827	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4434351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4532532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3500884	10.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.80%

Target Compounds

					Ovalue
3) Chlorodifluoromethane	2.98	51	39911	0.328	ppbv 92
4) Chloromethane	3.13	50	2656	0.041	ppbv # 84
9) Propene	3.01	41	194330	4.144	ppbv # 77
10) Heptane	8.13	43	356605	2.831	ppbv 98
11) Trichlorofluoromethane	3.94	101	8499	0.031	ppbv # 78
13) Ethanol	3.60	45	10623	0.914	ppbv # 37
15) Acetone	3.84	43	5716441	47.126	ppbv 92
16) 1,3-Butadiene	3.30	39	234267	5.188	ppbv # 5
17) tert-Butyl alcohol	4.30	59	41451	0.281	ppbv # 72
18) 1,1-Dichloroethene	4.28	96	7752	0.084	ppbv 93
19) Isopropyl Alcohol	3.97	45	24543	0.339	ppbv # 93
20) Methylene Chloride	4.34	84	402363	4.454	ppbv 95
21) Allyl Chloride	4.36	41	7473	0.131	ppbv # 1
22) trans-1,2-Dichloroethene	4.88	96	17989	0.183	ppbv 95
23) Vinyl Acetate	5.05	43	270269	1.736	ppbv # 1
25) Ethyl Acetate	5.68	43	367171	1.713	ppbv # 72
26) Hexane	5.69	57	672498	5.539	ppbv # 47
27) Carbon Disulfide	4.55	76	97491	0.560	ppbv 98
29) Chloroform	5.75	83	180807	0.731	ppbv 96
30) Cyclohexane	7.13	84	8291	0.064	ppbv # 9
31) cis-1,2-Dichloroethene	5.55	61	2506318	20.120	ppbv 99
34) 2-Butanone	5.25	43	554981	4.217	ppbv 98
36) Benzene	6.90	78	79896	0.278	ppbv 94
38) Trichloroethene	7.84	130	6931437	41.572	ppbv # 92
39) 1,2-Dichloropropane	7.84	63	27369	0.282	ppbv # 1
41) Tetrahydrofuran	5.98	42	4124	0.059	ppbv # 21
44) 2,2,4-Trimethylpentane	7.87	57	28621	0.076	ppbv # 1
51) 2-Hexanone	10.15	43	320042	2.047	ppbv # 72
52) Tetrachloroethene	11.23	164	9559974	57.010	ppbv # 81
53) Toluene	9.82	91	2138942	5.926	ppbv 99
58) Ethyl Benzene	12.73	91	190657	0.408	ppbv 90
59) m/p-Xylene	12.98	91	615110	1.575	ppbv 95
60) o-Xylene	13.71	91	228442	0.581	ppbv 94
64) n-propylbenzene	15.58	120	23036	0.119	ppbv # 1
65) tert-Butylbenzene	16.78	119	41382	0.070	ppbv # 76
66) Benzyl Chloride	16.78	91	17938	0.123	ppbv # 72
69) p-Isopropyltoluene	17.68	119	57476	0.084	ppbv # 85
70) n-Butylbenzene	18.58	91	54816	0.083	ppbv # 72
71) 2-Chlorotoluene	15.37	91	15613961	33.933	ppbv # 36
72) 4-Ethyltoluene	15.86	105	121071	0.242	ppbv # 84
73) 1,3,5-Trimethylbenzene	16.02	105	72946	0.158	ppbv 91

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

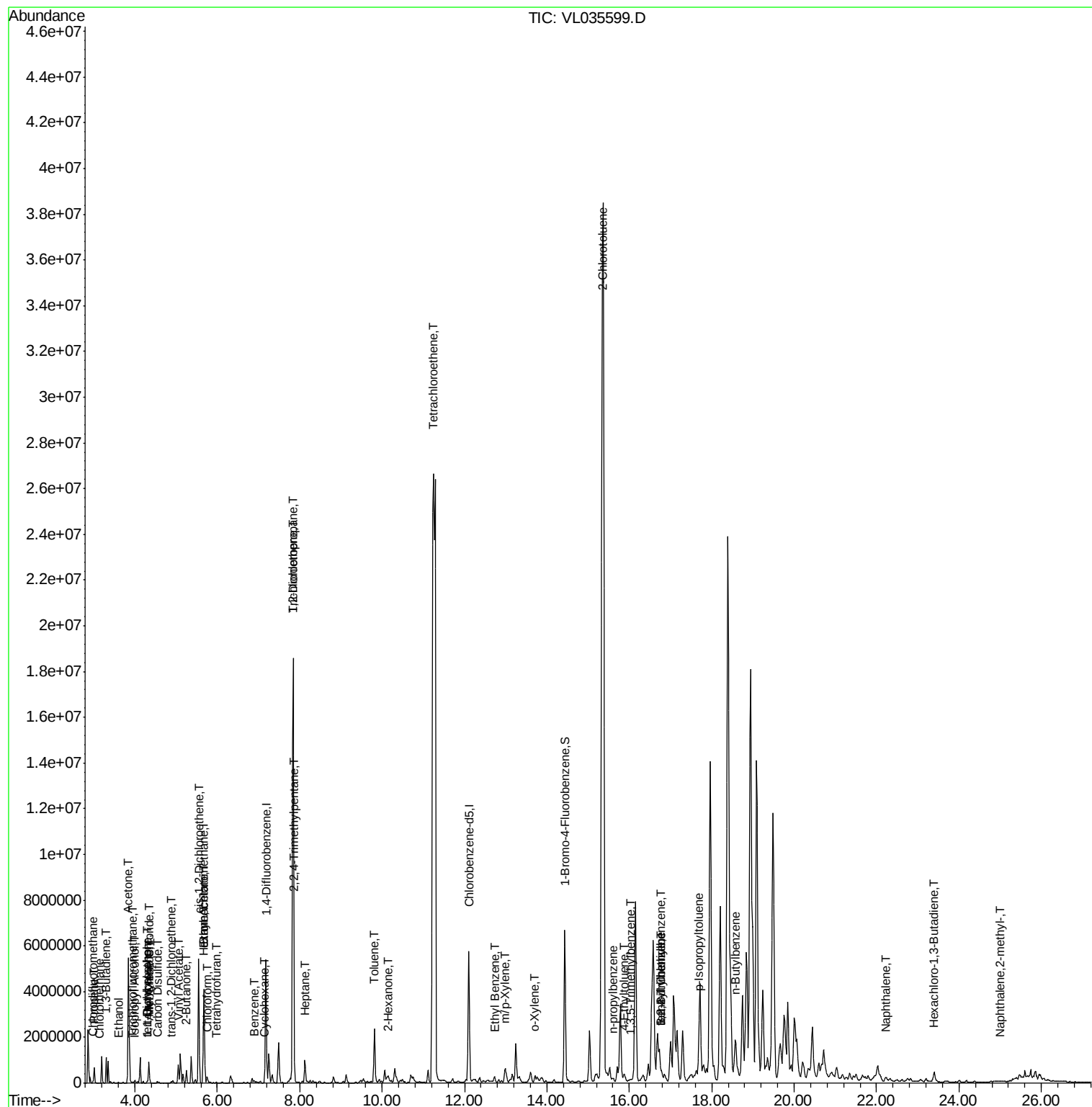
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.78	105	308126	0.607	ppbv #	70
78) Hexachloro-1,3-Butadiene	23.41	225	14455	0.062	ppbv #	18
79) Naphthalene	22.23	128	45917	0.081	ppbv	97
80) Naphthalene,2-methyl-	24.99	142	10609	0.055	ppbv #	84

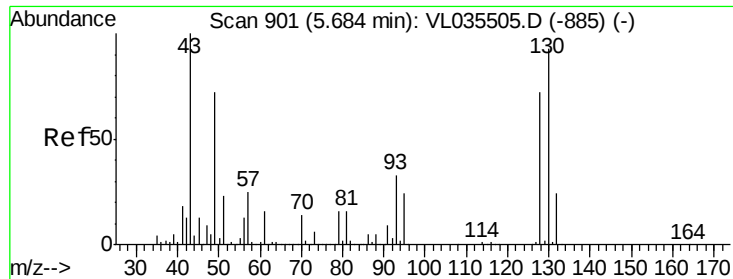
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL035599.D

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MSVOA_L

ClientSampleId :

SV-10

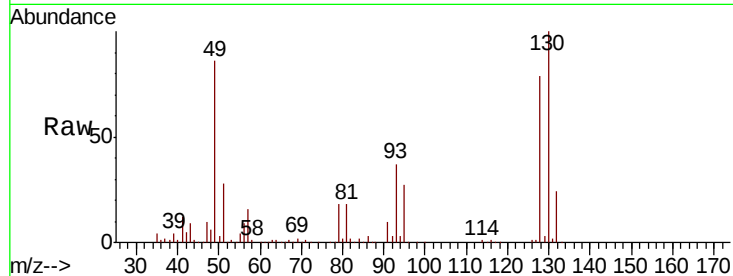
Tot Ion: 49 Resp: 1099827

Ion Ratio Lower Upper

49 100

128 90.6 50.0 150.1

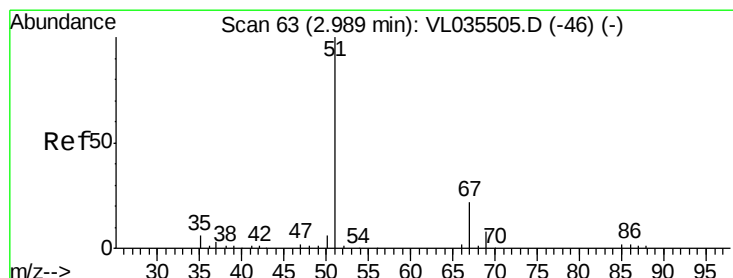
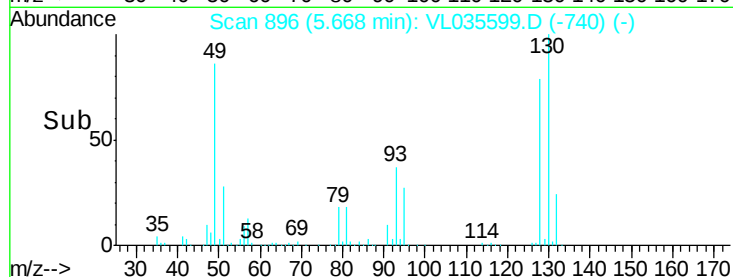
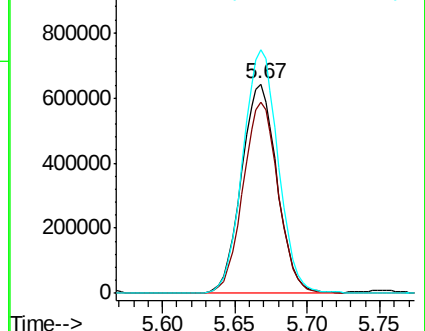
130 116.1 64.4 193.2



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



#3

Chlorodifluoromethane

Concen: 0.328 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL035599.D

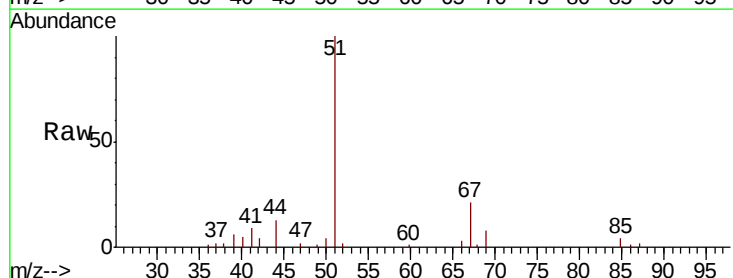
Acq: 14 Sep 2020 15:20

Tgt Ion: 51 Resp: 39911

Ion Ratio Lower Upper

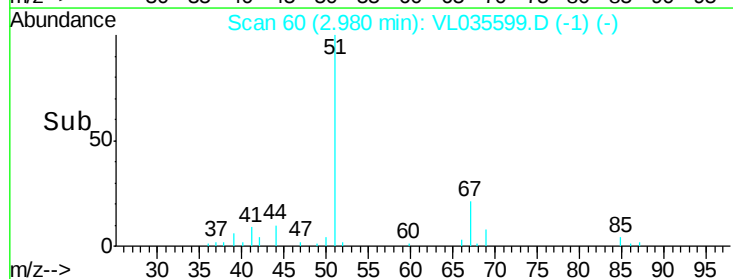
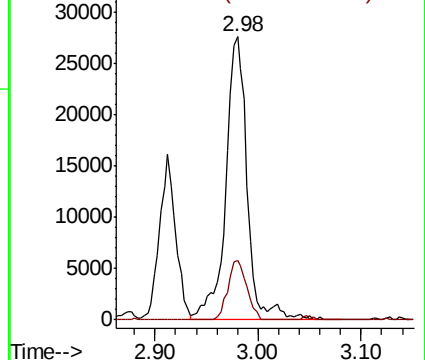
51 100

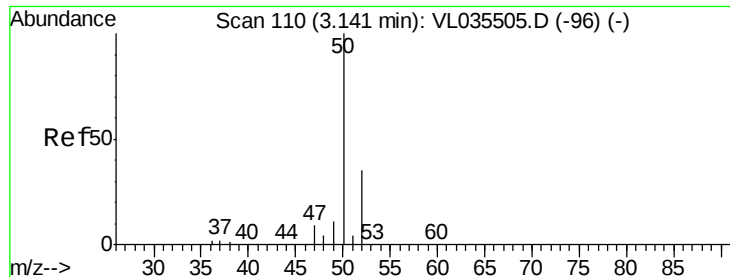
67 18.3 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

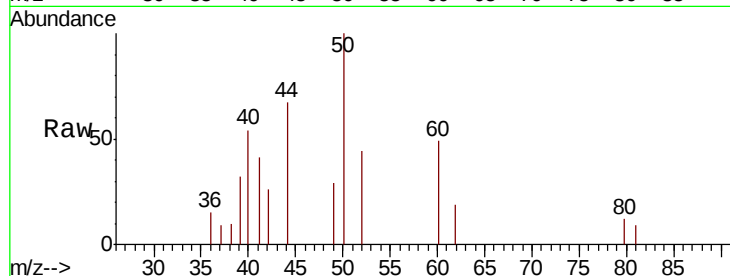
SV-10

Tot Ion: 50 Resp: 2656

Ion Ratio Lower Upper

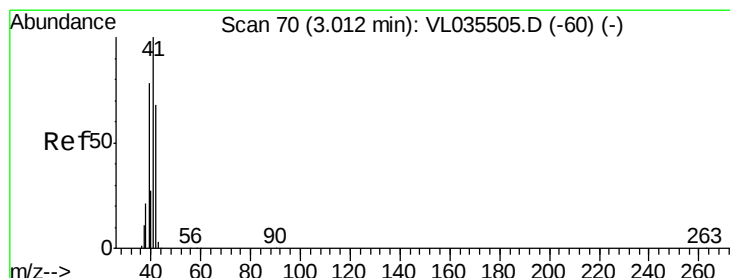
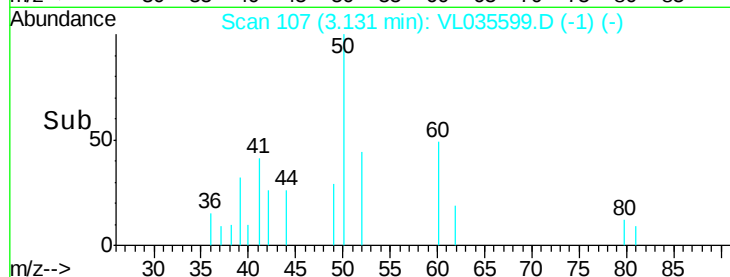
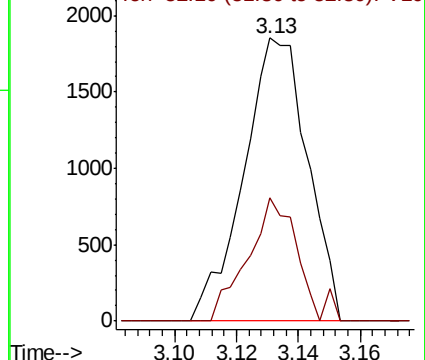
50 100

52 43.6 27.7 41.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 4.144 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035599.D

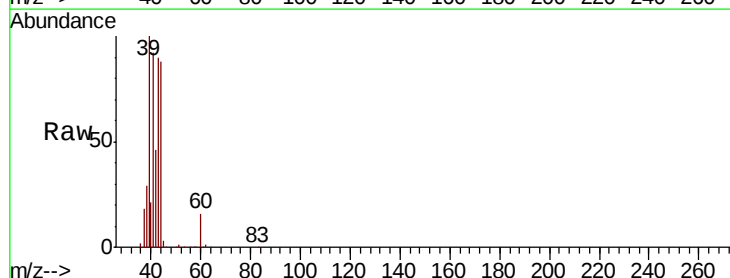
Acq: 14 Sep 2020 15:20

Tgt Ion: 41 Resp: 194330

Ion Ratio Lower Upper

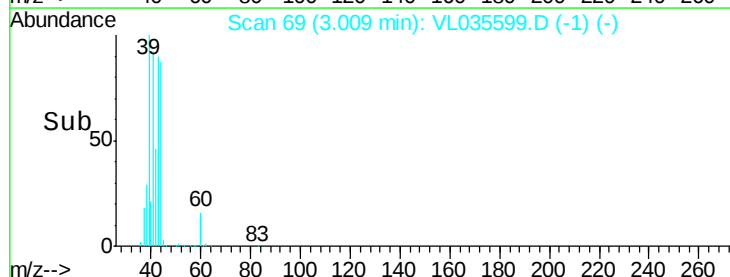
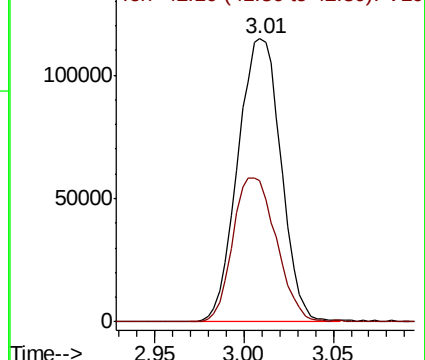
41 100

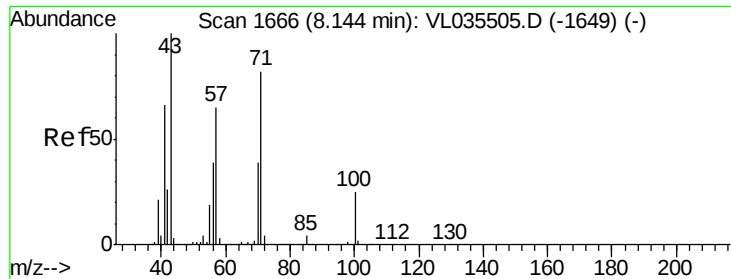
42 51.5 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

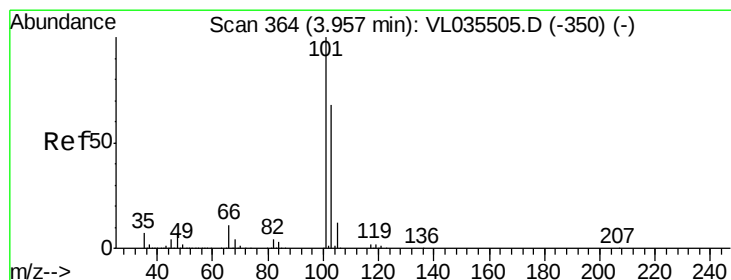
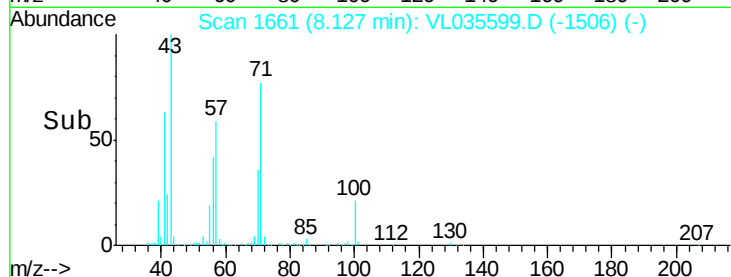
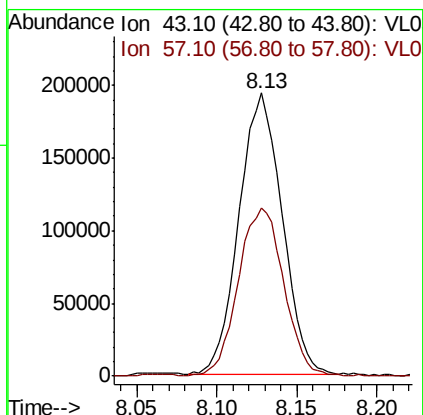
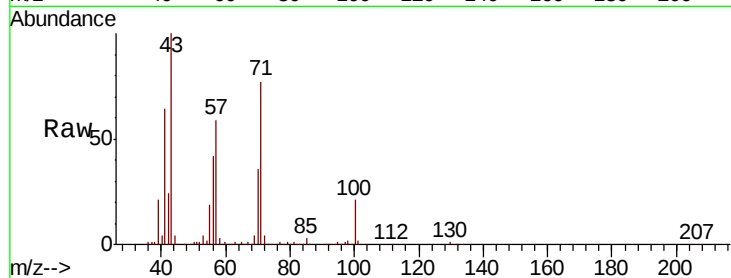




#10
 Heptane
 Concen: 2.831 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

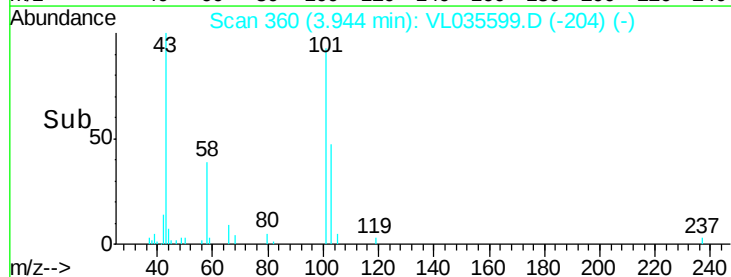
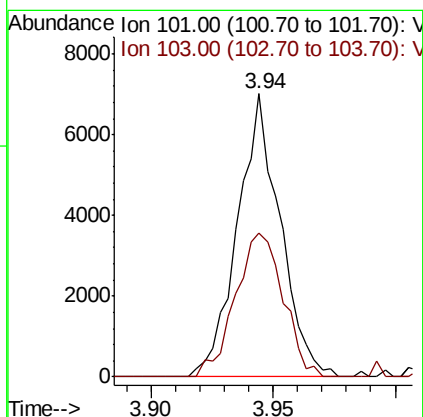
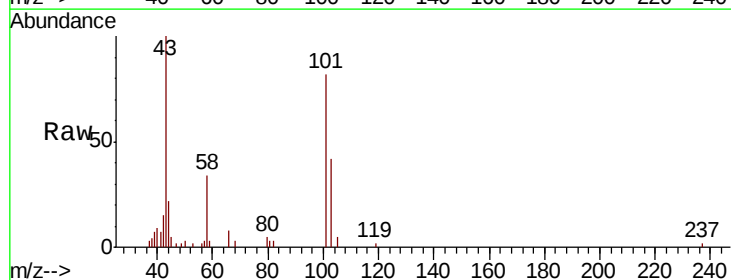
Instrument :
 MSVOA_L
 ClientSampled :
 SV-10

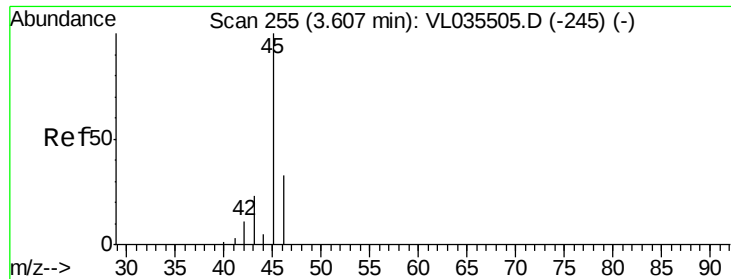
Tot Ion: 43 Resp: 356605
 Ion Ratio Lower Upper
 43 100
 57 62.7 51.4 77.0



#11
 Trichlorofluoromethane
 Concen: 0.031 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Tgt Ion: 101 Resp: 8499
 Ion Ratio Lower Upper
 101 100
 103 50.6 54.5 81.7#





#13

Ethanol

Concen: 0.914 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

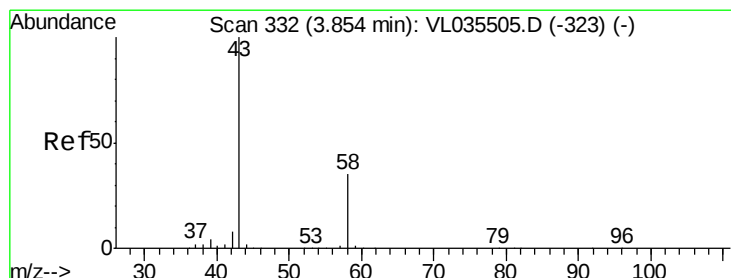
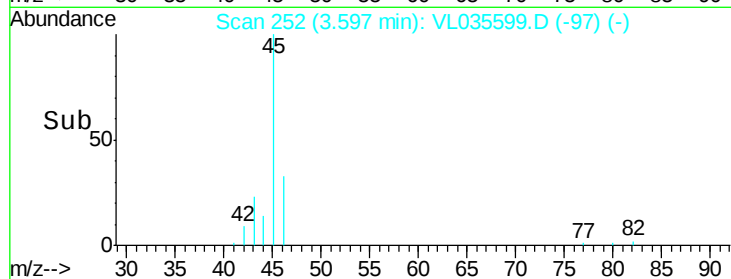
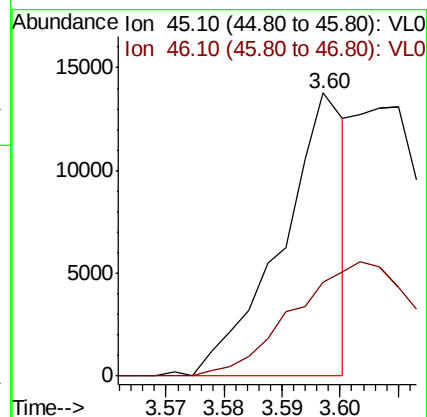
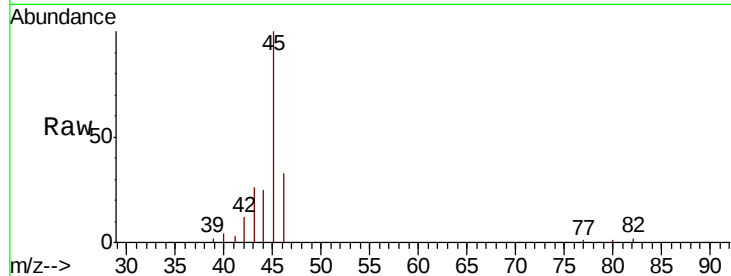
SV-10

Tot Ion: 45 Resp: 10623

Ion Ratio Lower Upper

45 100

46 0.0 15.2 60.6#



#15

Acetone

Concen: 47.126 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL035599.D

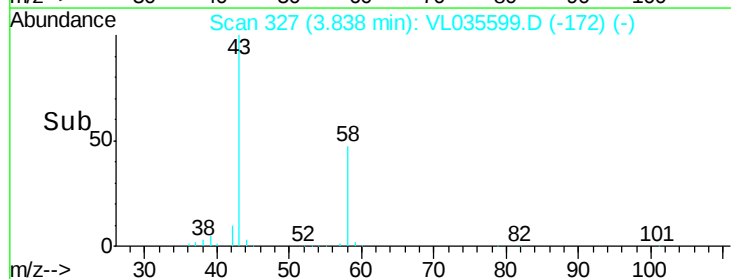
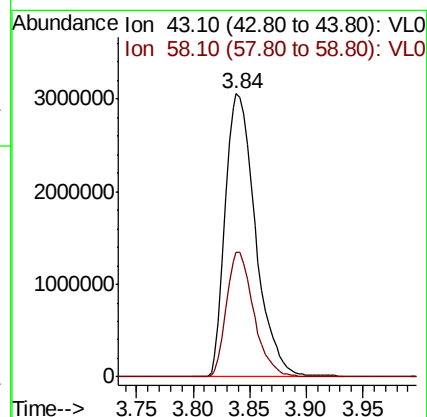
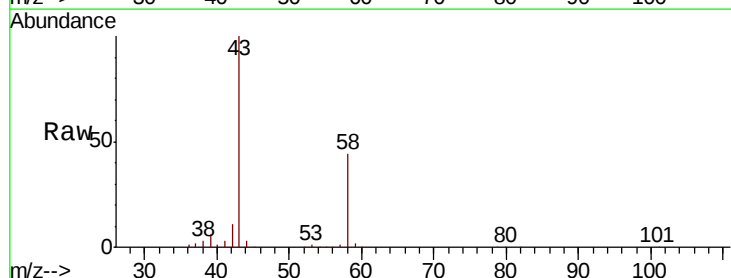
Acq: 14 Sep 2020 15:20

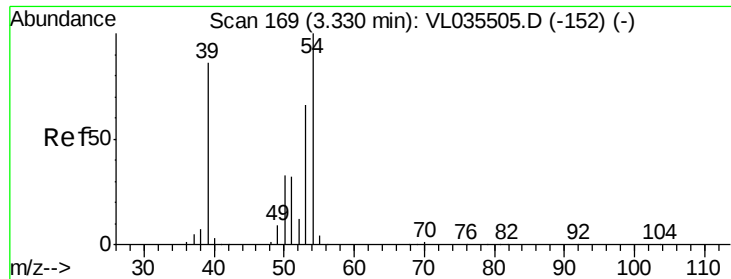
Tgt Ion: 43 Resp: 5716441

Ion Ratio Lower Upper

43 100

58 40.2 28.4 42.6

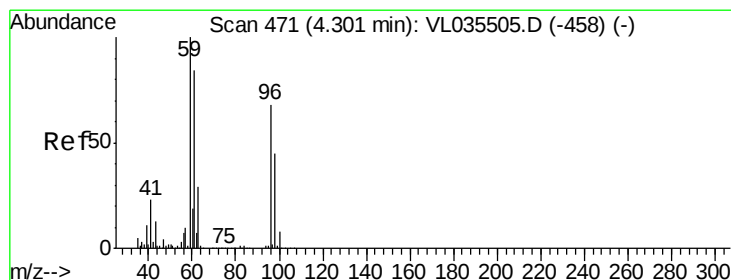
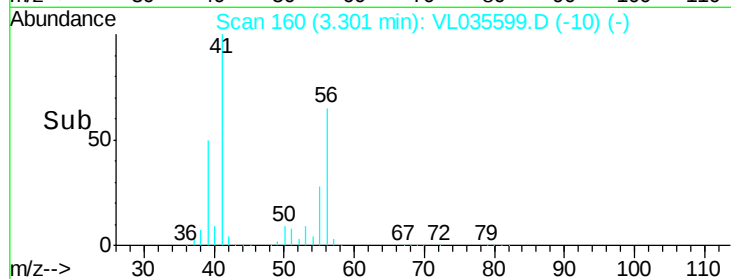
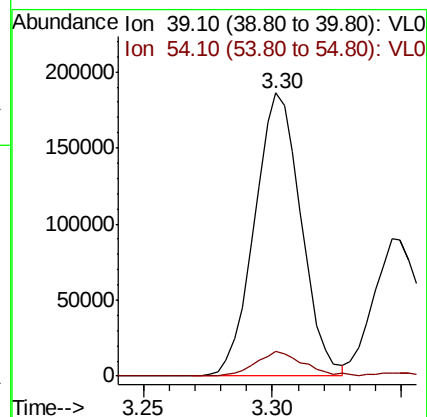
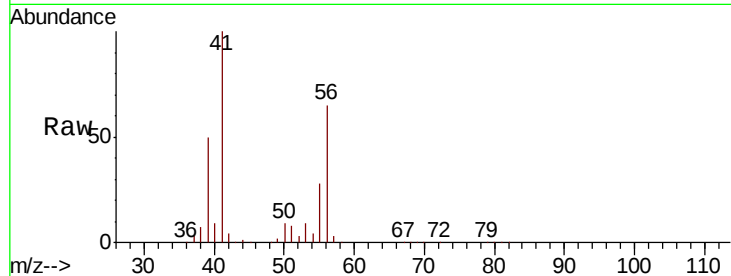




#16
 1,3-Butadiene
 Concen: 5.188 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

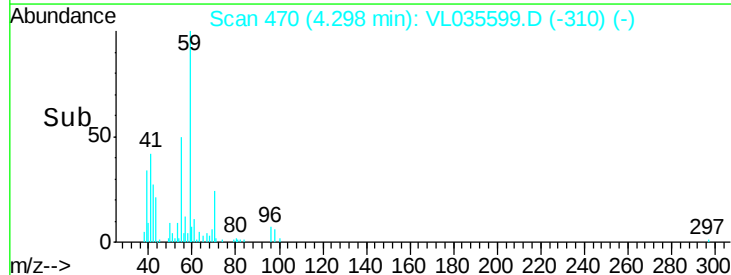
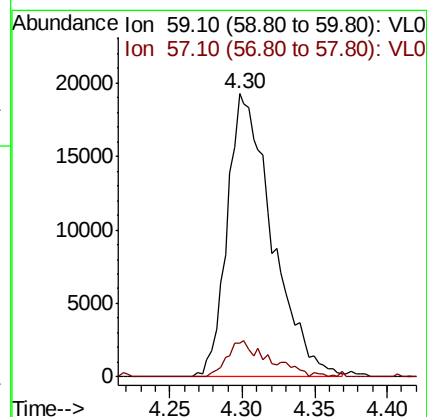
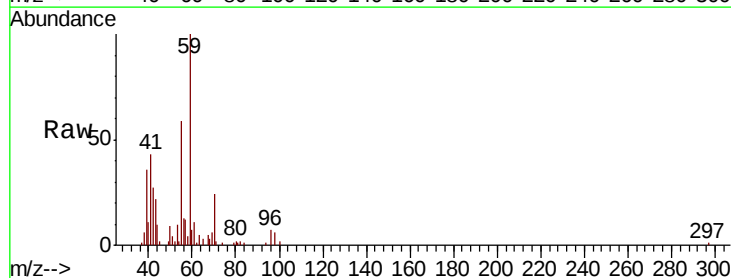
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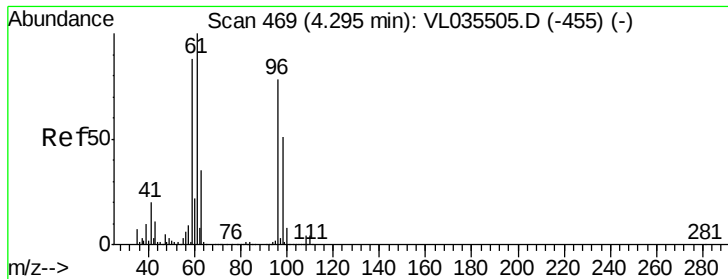
Tot Ion: 39 Resp: 234267
 Ion Ratio Lower Upper
 39 100
 54 10.0 88.4 132.6#



#17
 tert-Butyl alcohol
 Concen: 0.281 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Tgt Ion: 59 Resp: 41451
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#18

1,1-Dichloroethene

Concen: 0.084 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

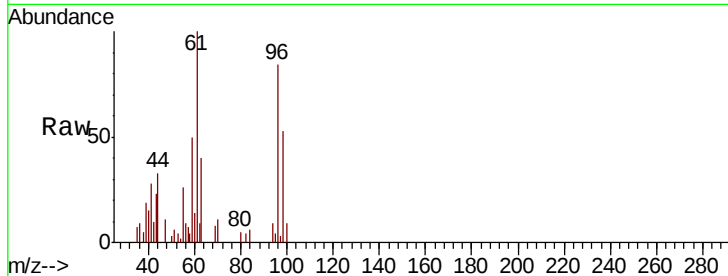
Tot Ion: 96 Resp: 7752

Ion Ratio Lower Upper

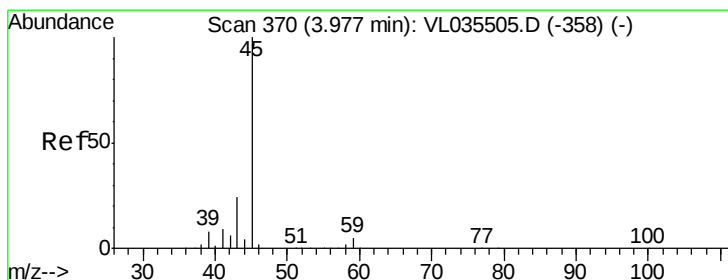
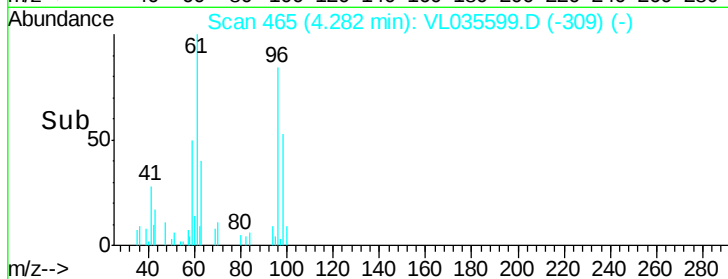
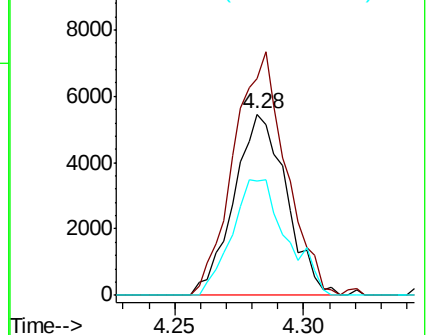
96 100

61 119.3 103.0 154.6

98 62.9 52.8 79.2



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: 0.339 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL035599.D

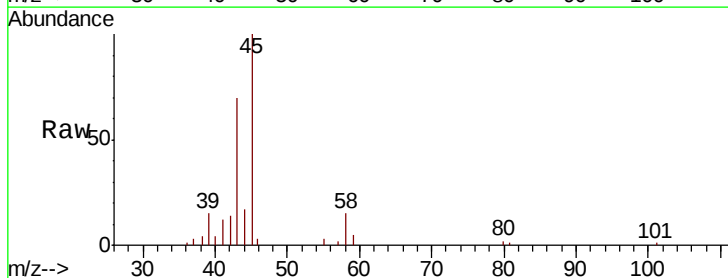
Acq: 14 Sep 2020 15:20

Tgt Ion: 45 Resp: 24543

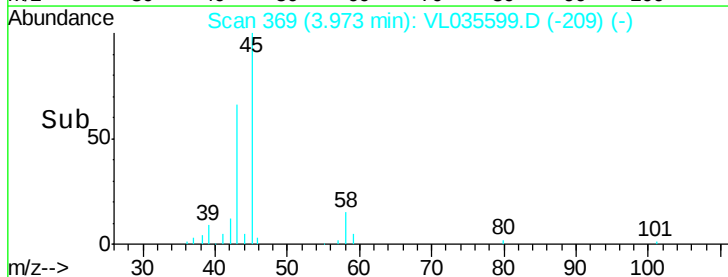
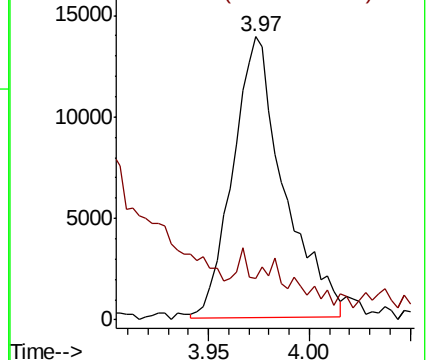
Ion Ratio Lower Upper

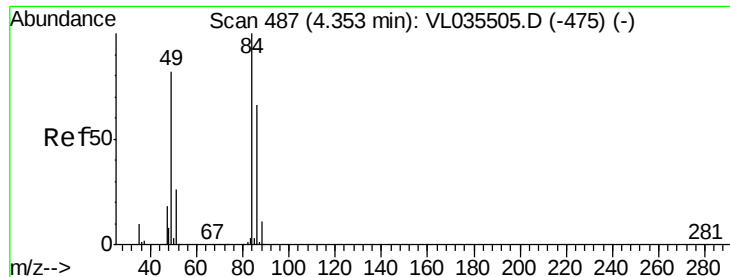
45 100

58 0.0 2.0 3.0#



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

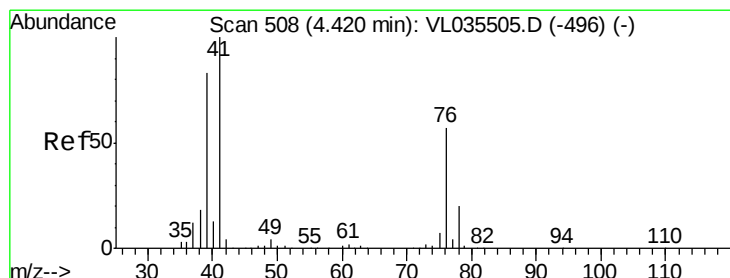
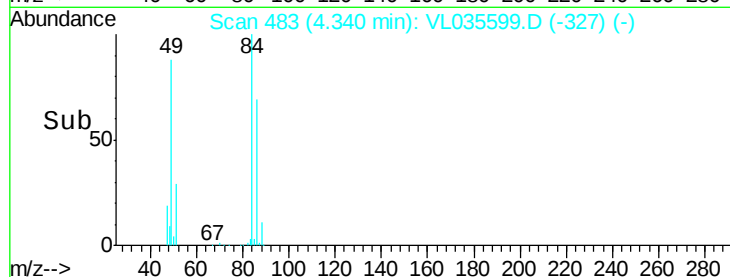
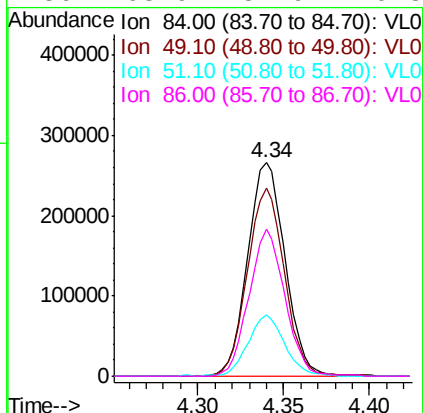
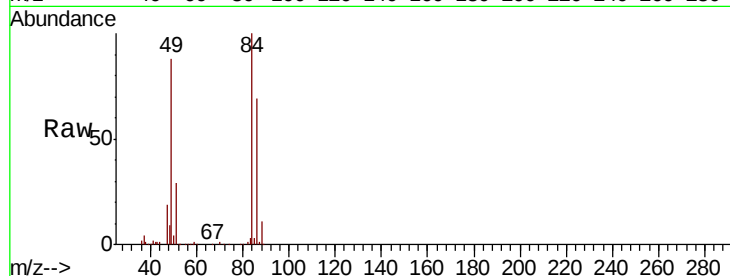




#20
Methylene Chloride
Concen: 4.454 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

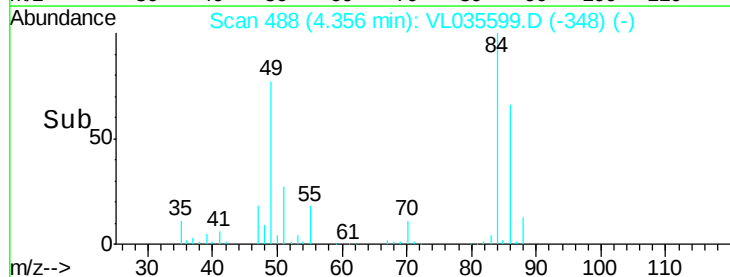
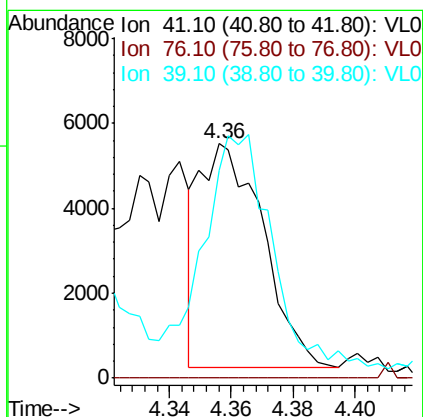
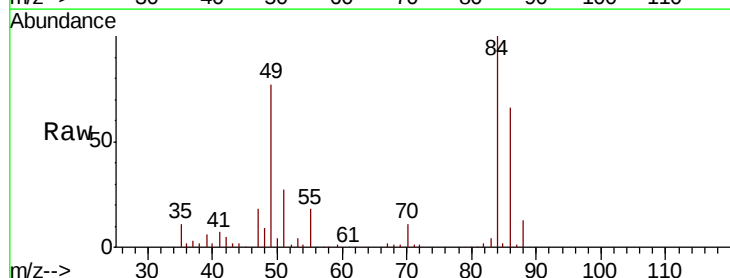
Instrument :
MSVOA_L
ClientSampled :
SV-10

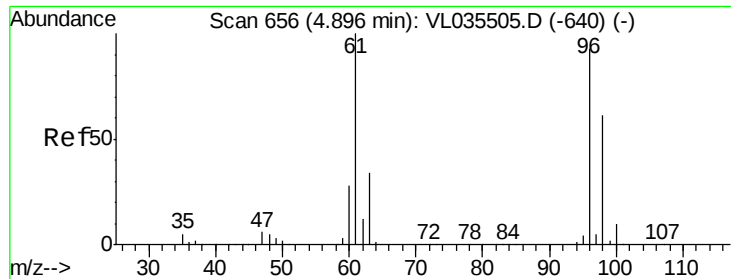
Tot Ion:	84	Resp:	402363
Ion	Ratio	Lower	Upper
84	100		
49	87.9	65.4	98.0
51	28.4	21.5	32.3
86	68.9	52.9	79.3



#21
Allyl Chloride
Concen: 0.131 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.05 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

Tgt Ion:	41	Resp:	7473
Ion	Ratio	Lower	Upper
41	100		
76	1321.4	46.2	69.2#
39	116.2	67.8	101.6#





#22

trans-1,2-Dichloroethene

Concen: 0.183 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.01 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

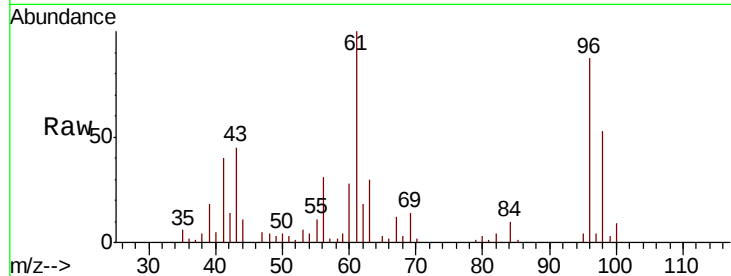
Tot Ion: 96 Resp: 17989

Ion Ratio Lower Upper

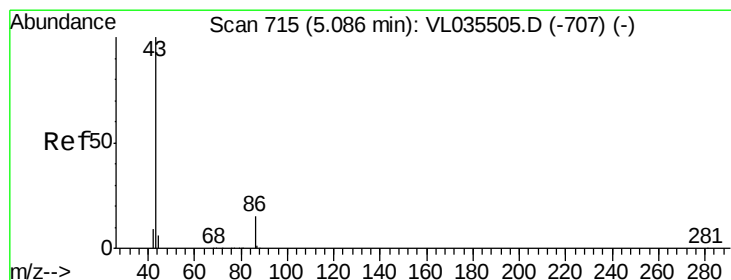
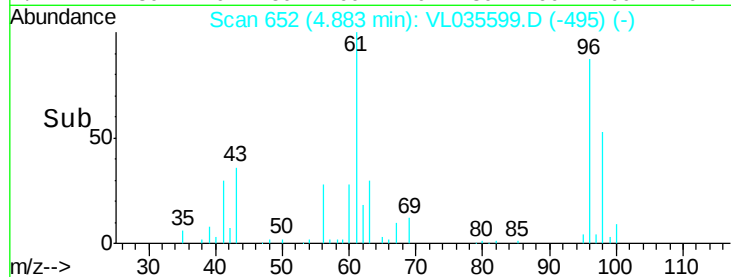
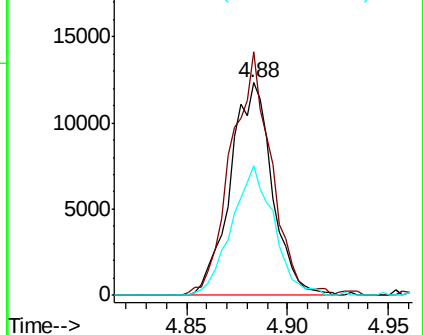
96 100

61 113.2 86.0 129.0

98 61.1 52.3 78.5



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



#23

Vinyl Acetate

Concen: 1.736 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Tgt Ion: 43 Resp: 270269

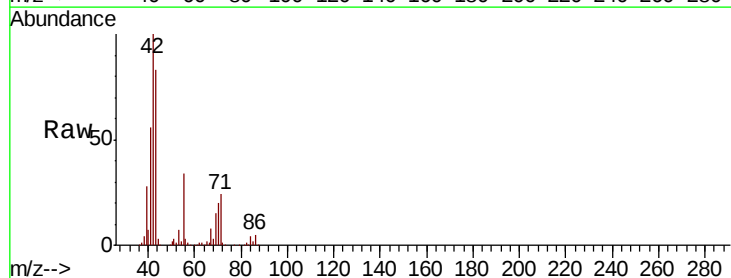
Ion Ratio Lower Upper

43 100

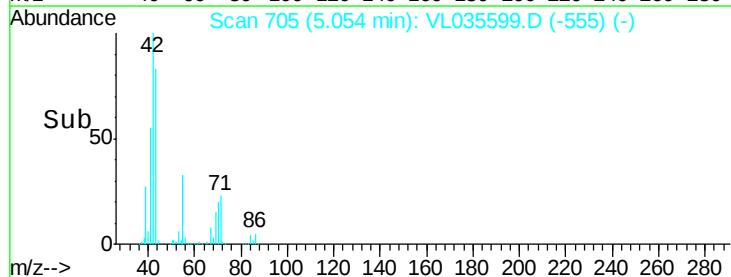
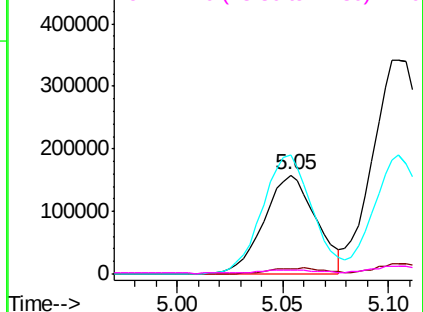
86 5.8 10.6 16.0#

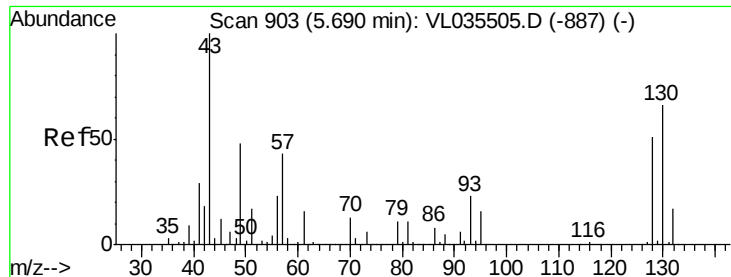
42 119.9 7.5 11.3#

44 2.7 4.4 6.6#



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





#25

Ethyl Acetate

Concen: 1.713 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

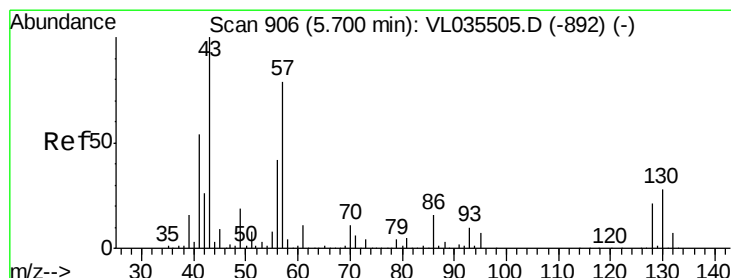
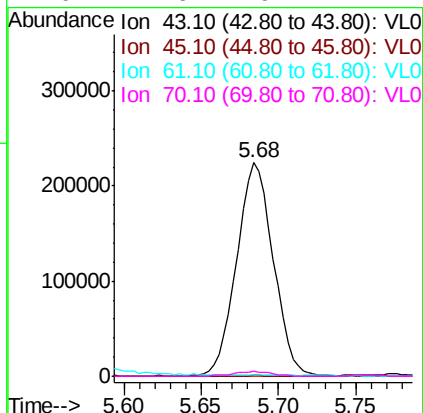
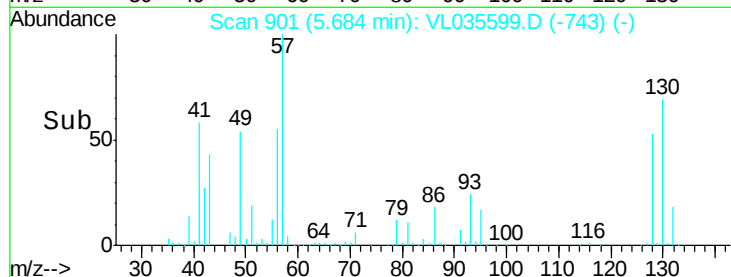
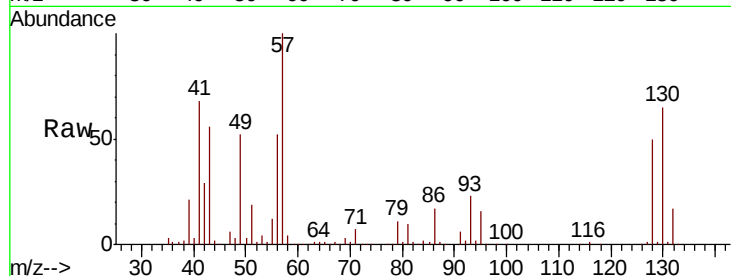
Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :
MSVOA_L
ClientSampled :
SV-10

Tot Ion: 43 Resp: 367171

Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.4	12.6#
61	0.0	10.6	16.0#
70	2.6	9.4	14.2#



#26

Hexane

Concen: 5.539 ppbv

RT: 5.69 min Scan# 902

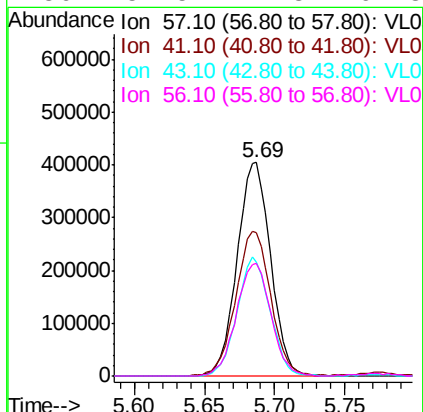
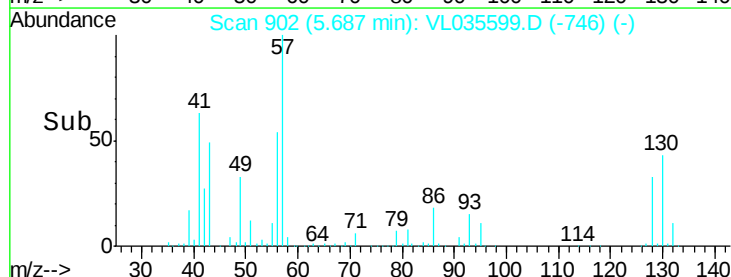
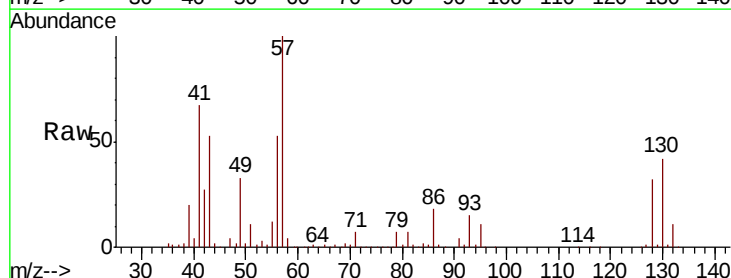
Delta R.T. 0.00 min

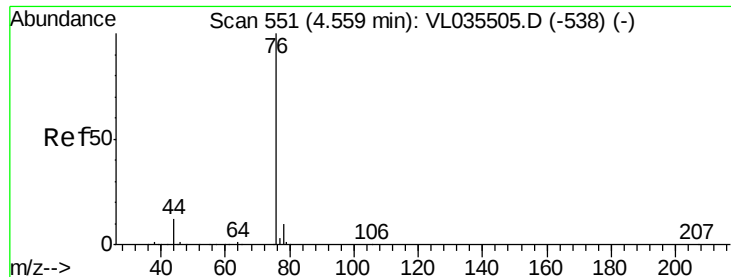
Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Tgt Ion: 57 Resp: 672498

Ion	Ratio	Lower	Upper
57	100		
41	71.4	55.9	83.9
43	54.7	141.8	212.8#
56	54.5	41.8	62.8





#27

Carbon Disulfide

Concen: 0.560 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

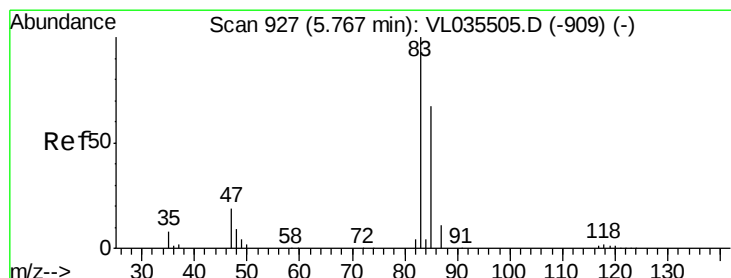
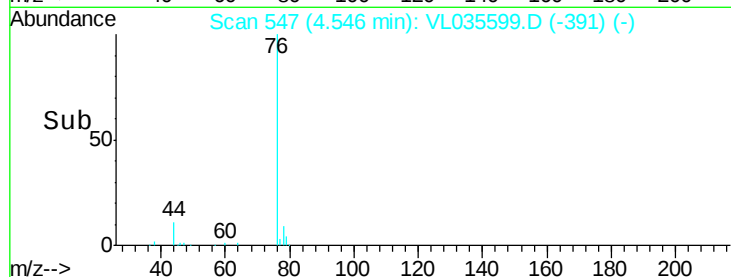
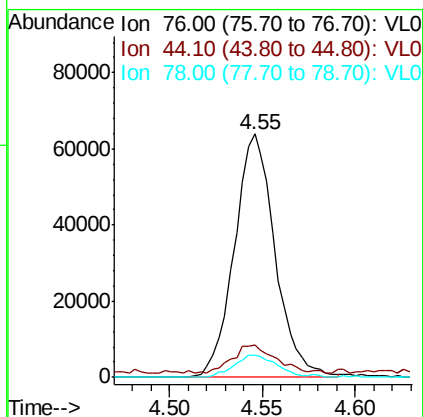
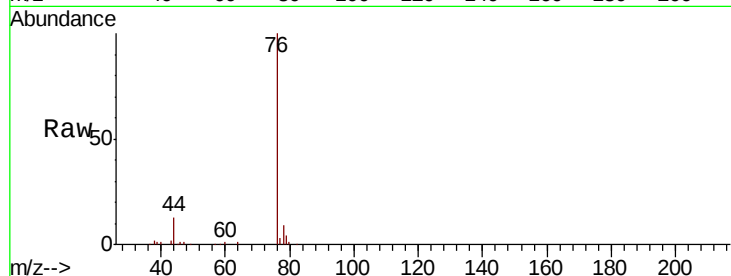
Tot Ion: 76 Resp: 97491

Ion Ratio Lower Upper

76 100

44 12.5 9.3 13.9

78 10.2 7.8 11.6



#29

Chloroform

Concen: 0.731 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL035599.D

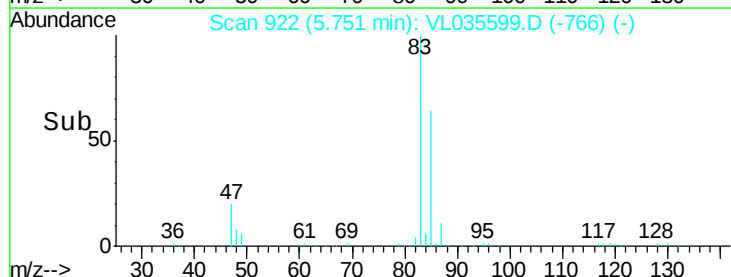
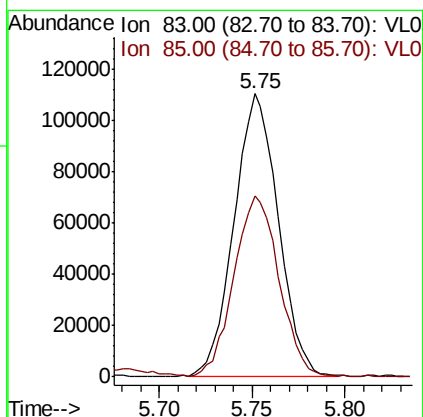
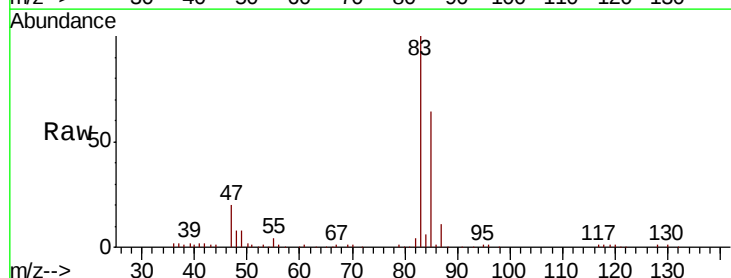
Acq: 14 Sep 2020 15:20

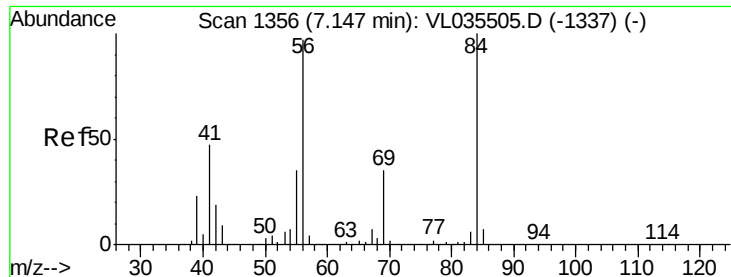
Tgt Ion: 83 Resp: 180807

Ion Ratio Lower Upper

83 100

85 64.0 53.9 80.9

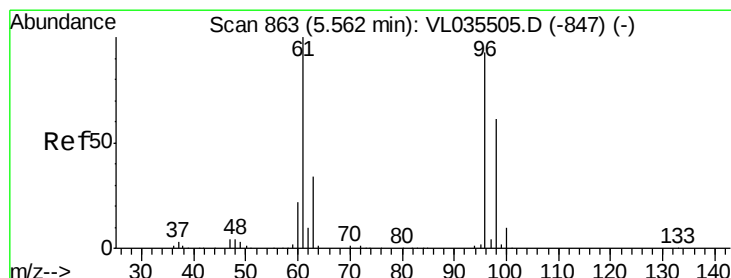
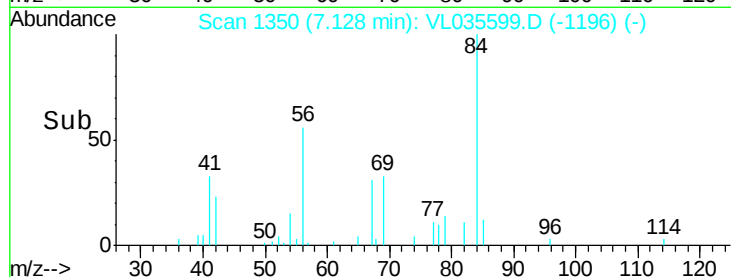
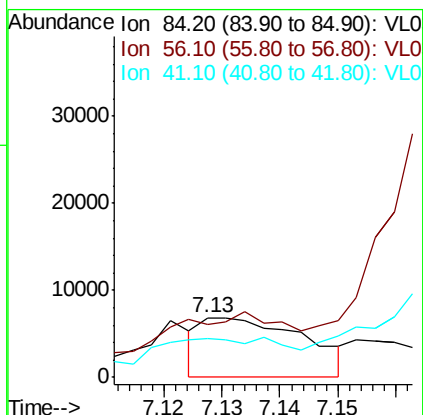
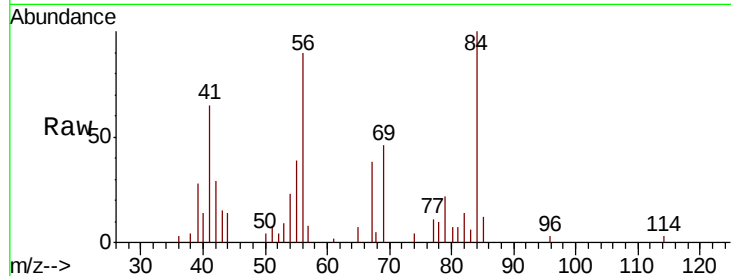




#30
Cvclohexane
Concen: 0.064 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

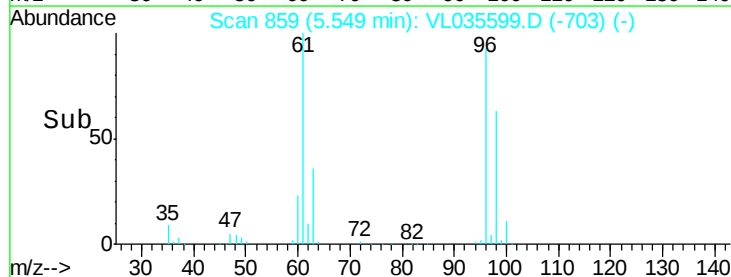
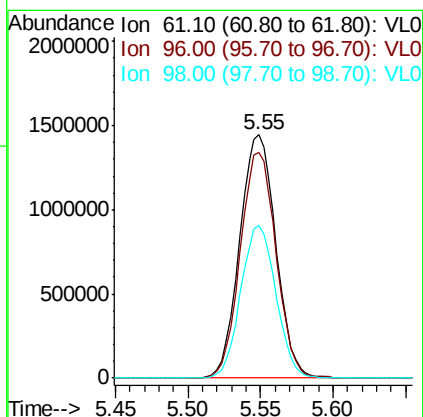
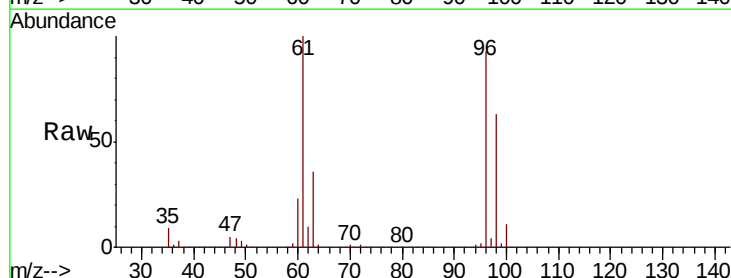
Instrument :
MSVOA_L
ClientSampleId :
SV-10

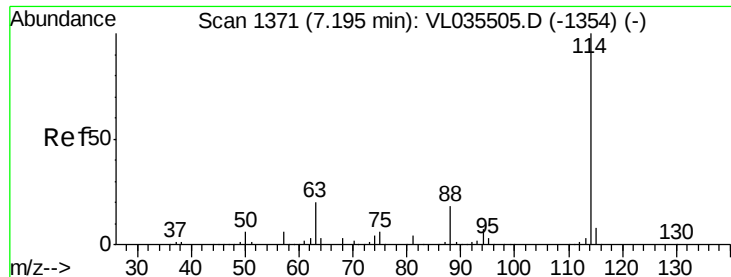
Tot Ion: 84 Resp: 8291
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 0.0 38.1 57.1#



#31
cis-1,2-Dichloroethene
Concen: 20.120 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

Tgt Ion: 61 Resp: 2506318
Ion Ratio Lower Upper
61 100
96 92.6 74.4 111.6
98 62.8 49.2 73.8

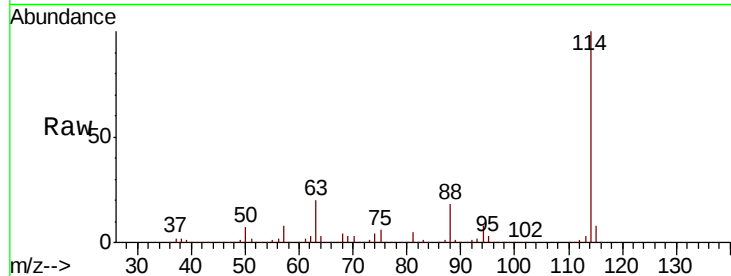




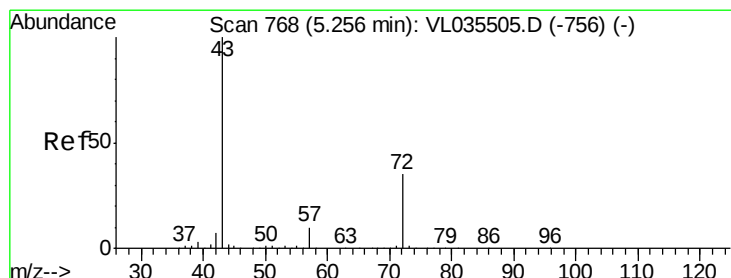
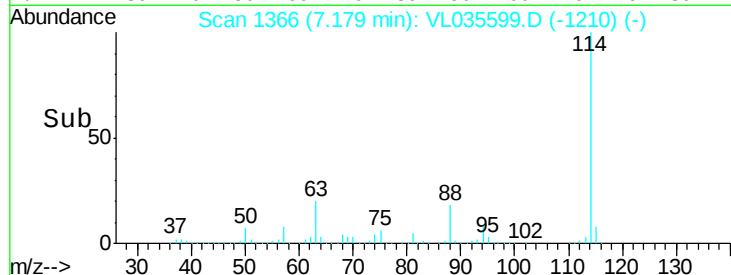
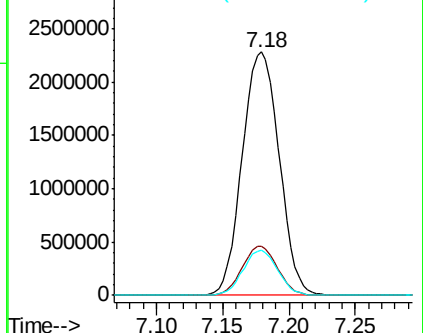
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Instrument :
 MSVOA_L
 ClientSampled :
 SV-10

Tot Ion:114 Resp: 4434351
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.3 13.4 20.2

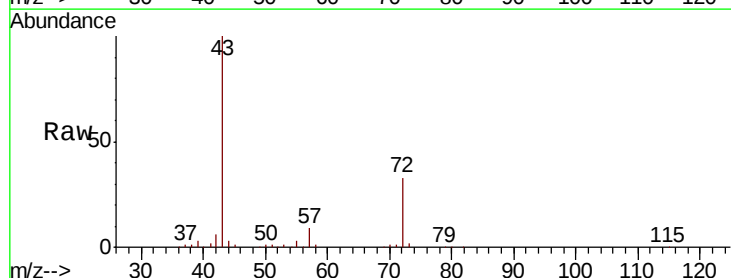


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

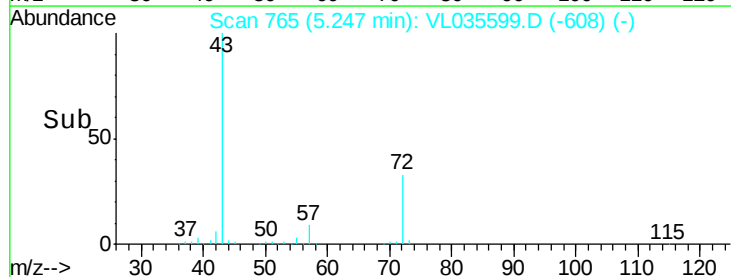
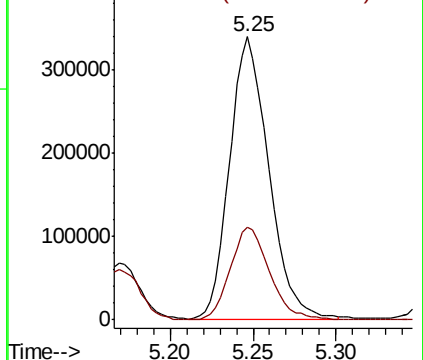


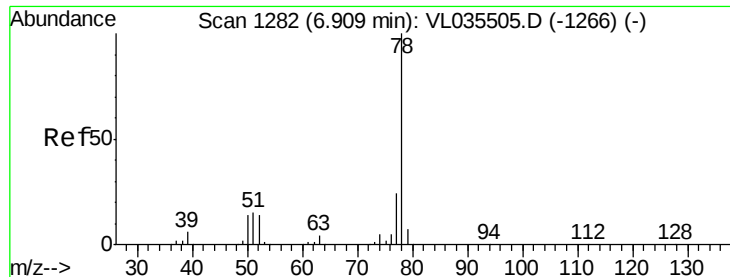
#34
 2-Butanone
 Concen: 4.217 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Tgt Ion: 43 Resp: 554981
 Ion Ratio Lower Upper
 43 100
 72 33.2 27.7 41.5



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





#36

Benzene

Concen: 0.278 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

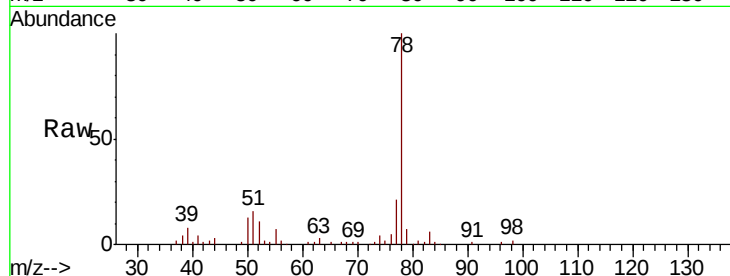
Tot Ion: 78 Resp: 79896

Ion Ratio Lower Upper

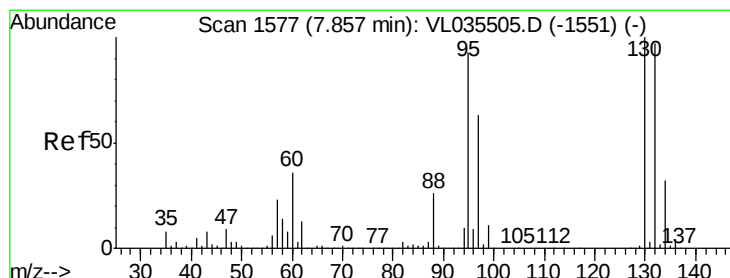
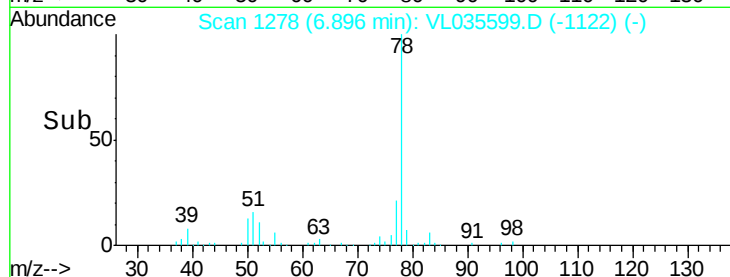
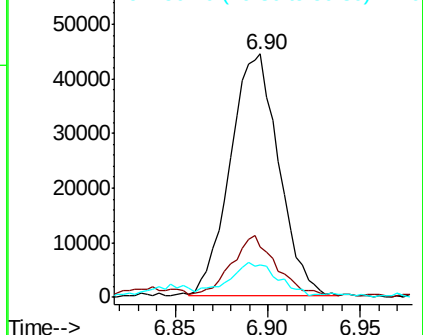
78 100

77 20.2 19.3 28.9

50 12.2 11.0 16.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 41.572 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Tgt Ion: 130 Resp: 6931437

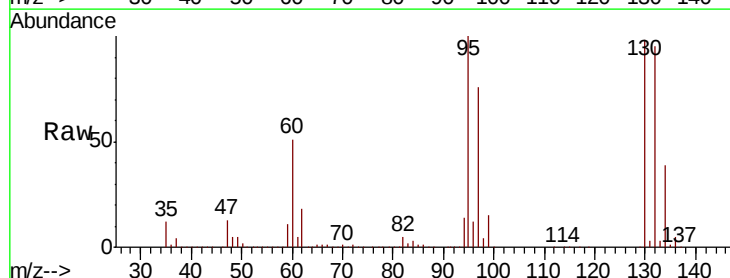
Ion Ratio Lower Upper

130 100

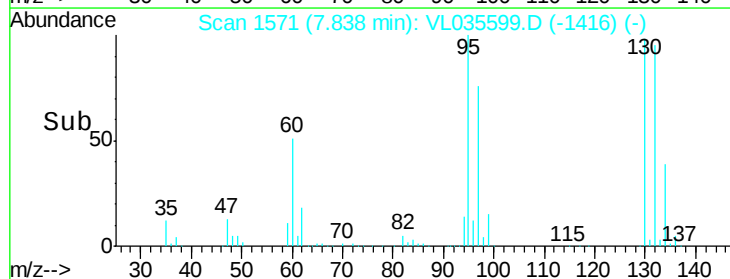
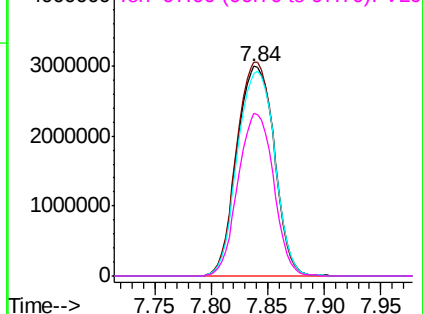
95 101.9 74.6 112.0

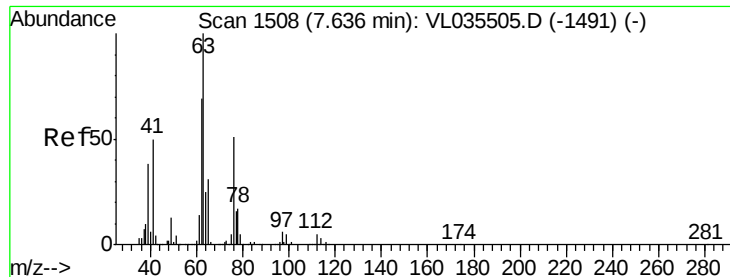
132 96.6 77.6 116.4

97 77.5 50.6 76.0#



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.282 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.23 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

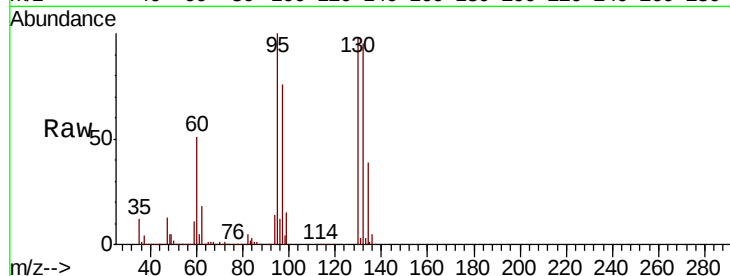
Tot Ion: 63 Resp: 27369

Ion Ratio Lower Upper

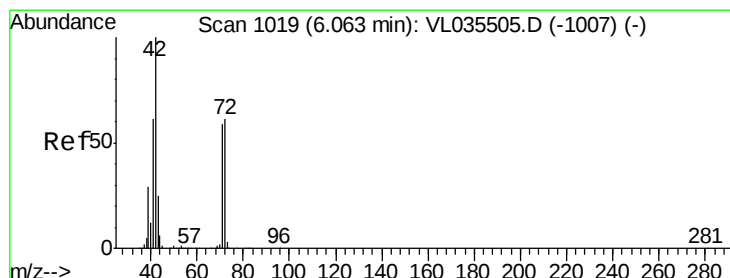
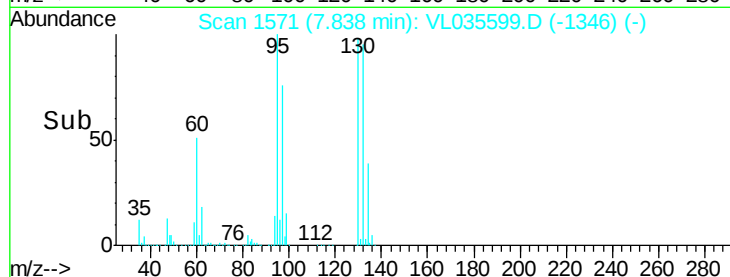
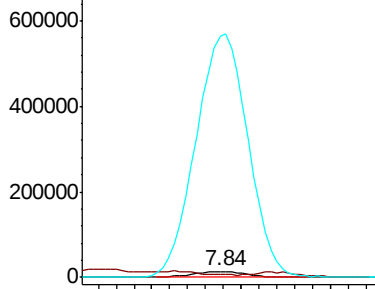
63 100

41 11.8 40.0 60.0#

62 4146.9 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.059 ppbv

RT: 5.98 min Scan# 992

Delta R.T. -0.07 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

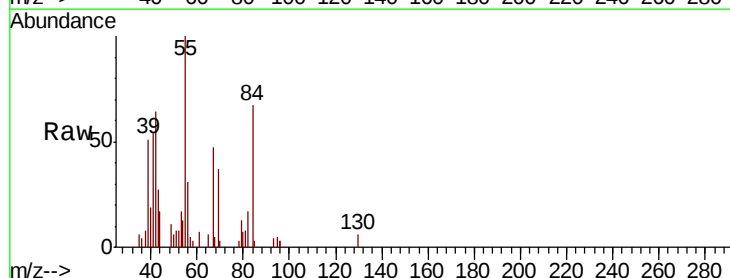
Tgt Ion: 42 Resp: 4124

Ion Ratio Lower Upper

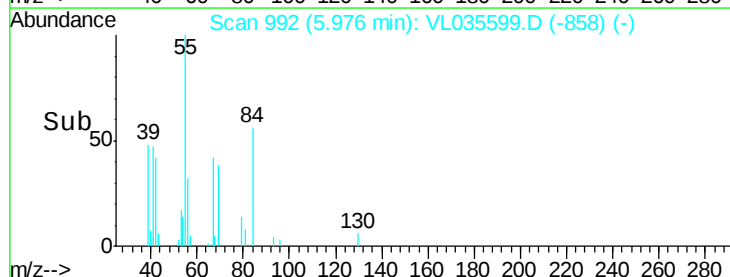
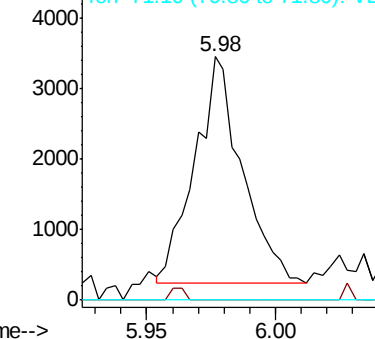
42 100

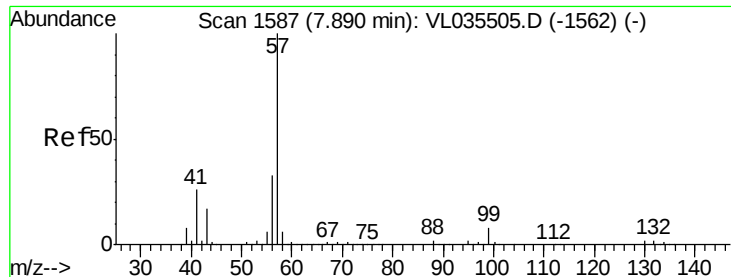
72 0.0 48.6 73.0#

71 0.0 46.1 69.1#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.076 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampled :

SV-10

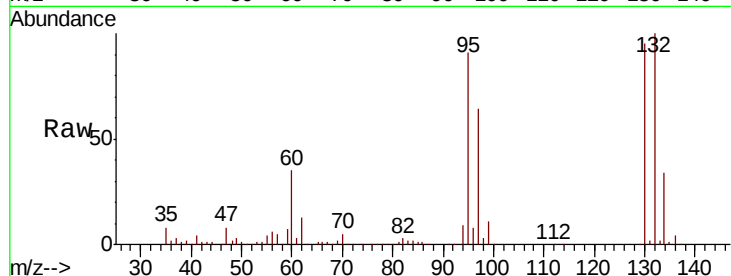
Tot Ion: 57 Resp: 28621

Ion Ratio Lower Upper

57 100

41 79.1 20.5 30.7#

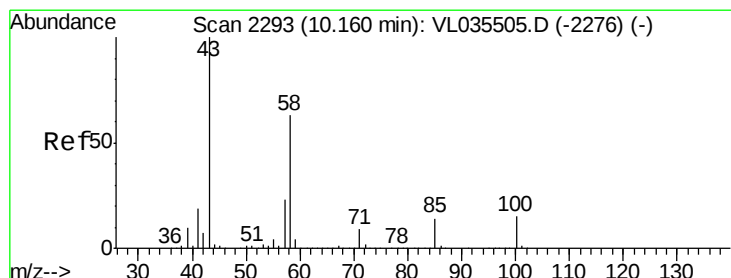
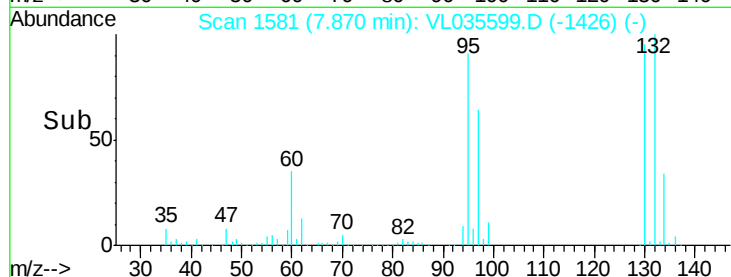
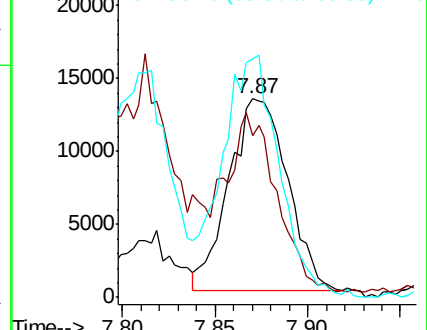
56 125.1 25.3 37.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#51

2-Hexanone

Concen: 2.047 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.01 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

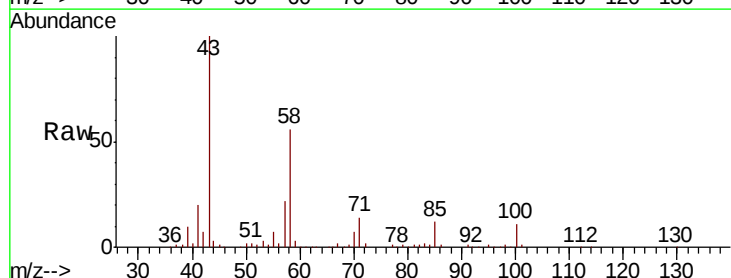
Tgt Ion: 43 Resp: 320042

Ion Ratio Lower Upper

43 100

58 40.9 50.2 75.4#

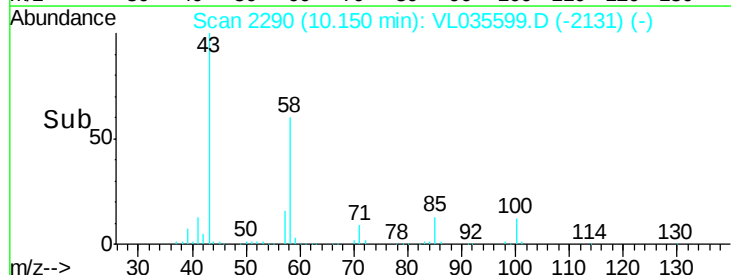
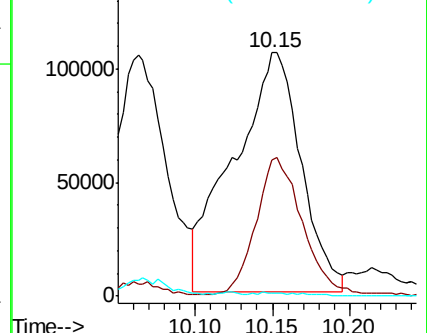
98 1.1 0.4 0.6#

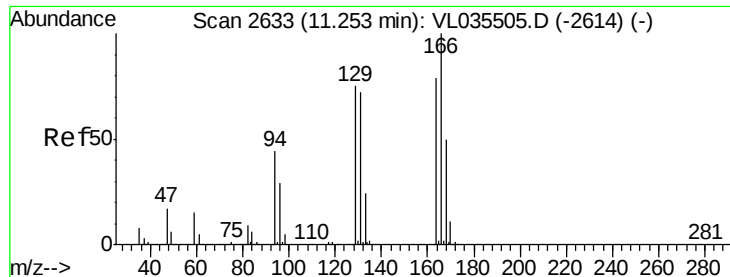


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 57.010 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

Tot Ion:164 Resp: 9559974

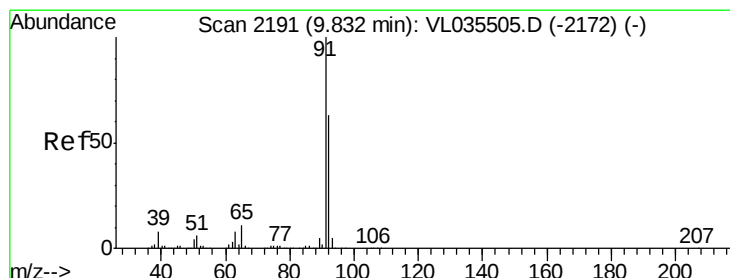
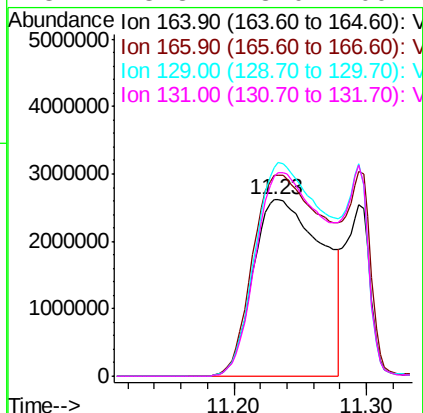
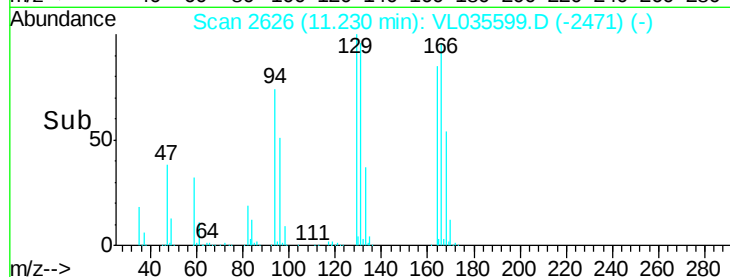
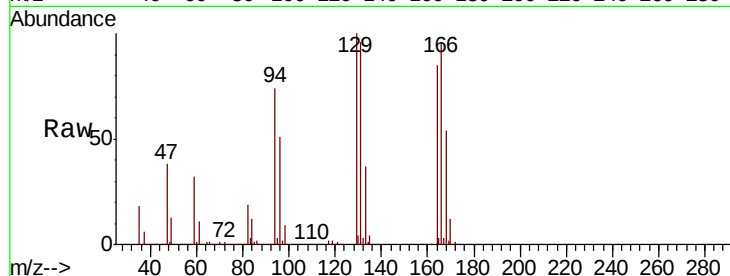
Ion Ratio Lower Upper

164 100

166 113.6 100.9 151.3

129 118.2 75.3 112.9#

131 113.3 73.0 109.4#



#53

Toluene

Concen: 5.926 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL035599.D

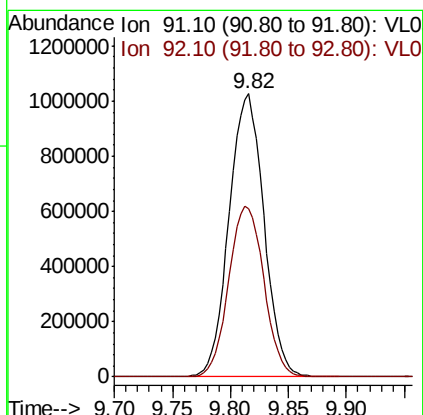
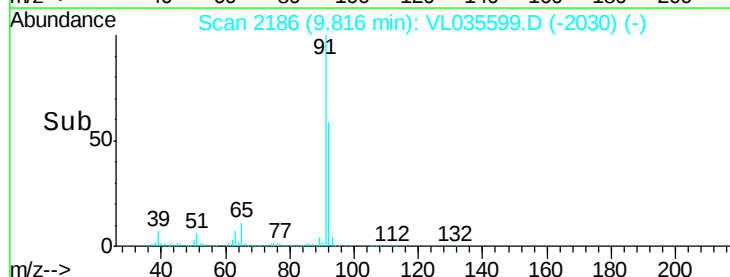
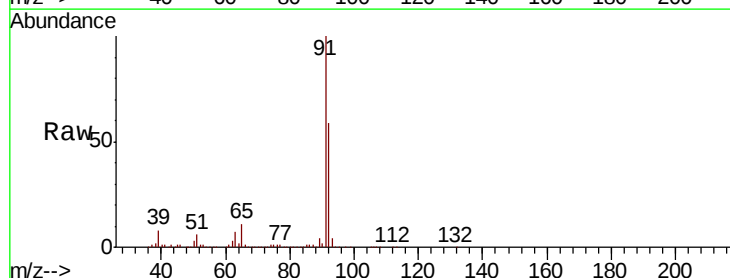
Acq: 14 Sep 2020 15:20

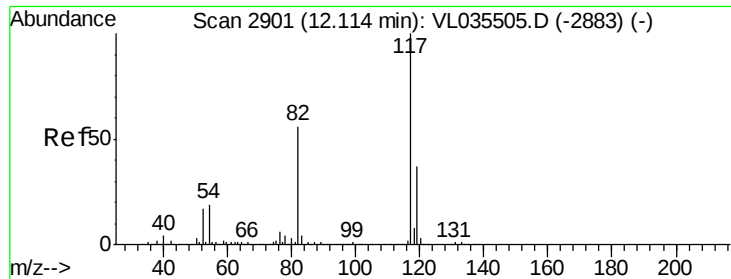
Tgt Ion: 91 Resp: 2138942

Ion Ratio Lower Upper

91 100

92 61.2 49.8 74.8

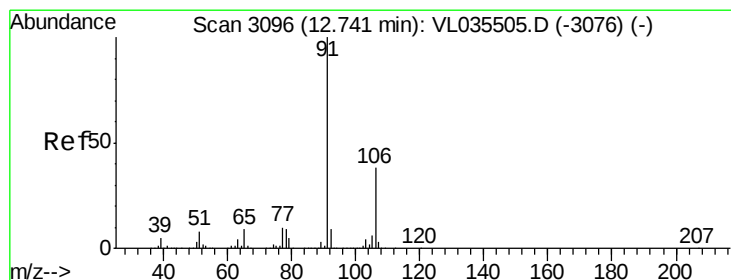
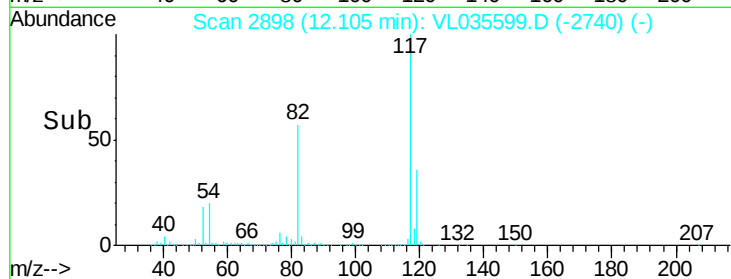
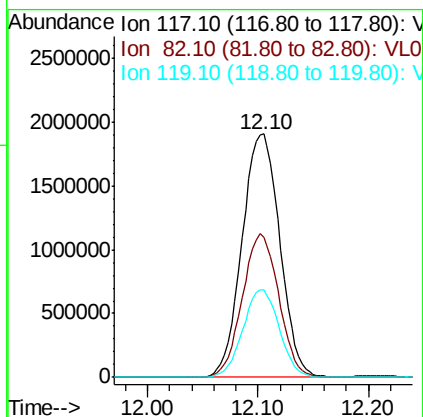
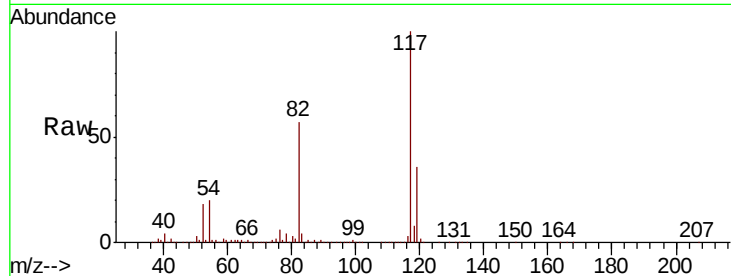




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

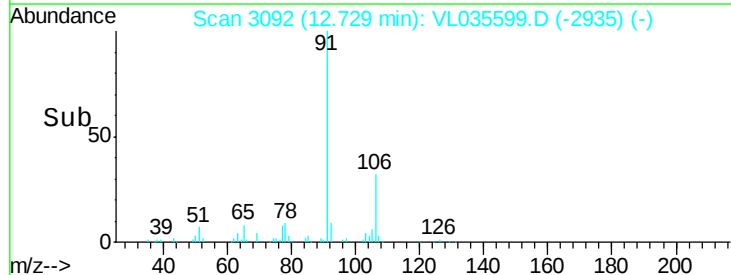
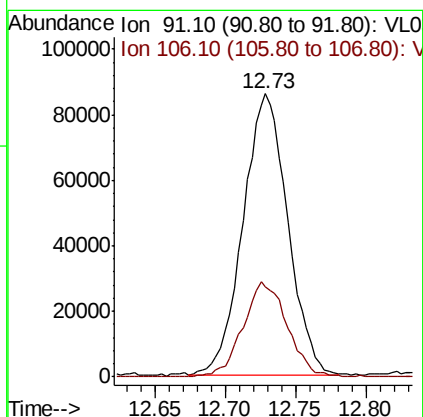
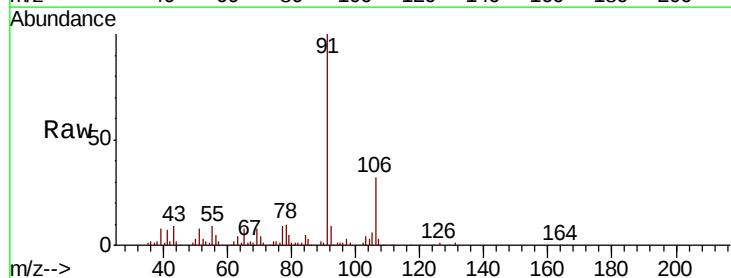
Instrument :
MSVOA_L
ClientSampleId :
SV-10

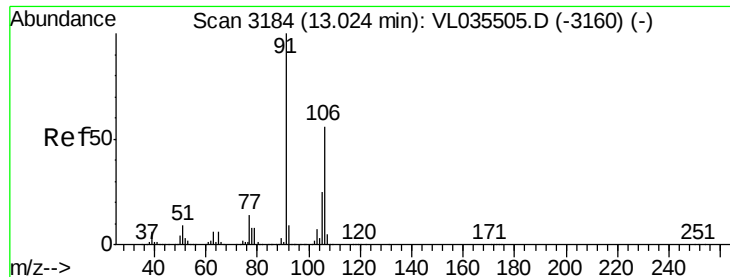
Tot Ion:117 Resp: 4532532
Ion Ratio Lower Upper
117 100
82 57.0 41.6 62.4
119 34.7 29.3 43.9



#58
Ethyl Benzene
Concen: 0.408 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

Tgt Ion: 91 Resp: 190657
Ion Ratio Lower Upper
91 100
106 32.0 30.3 45.5

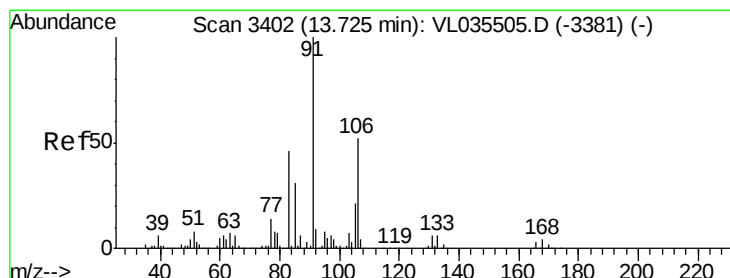
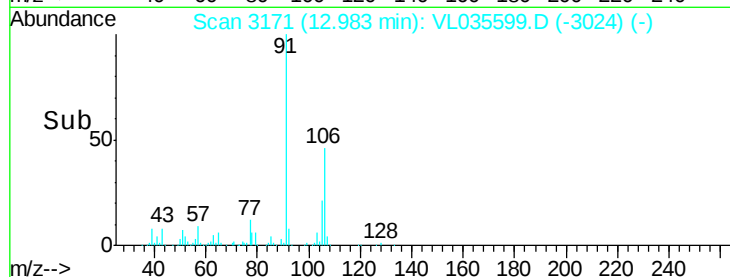
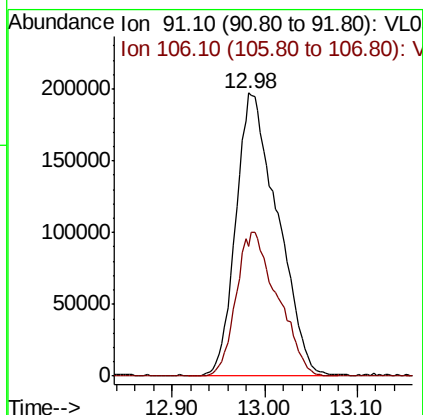
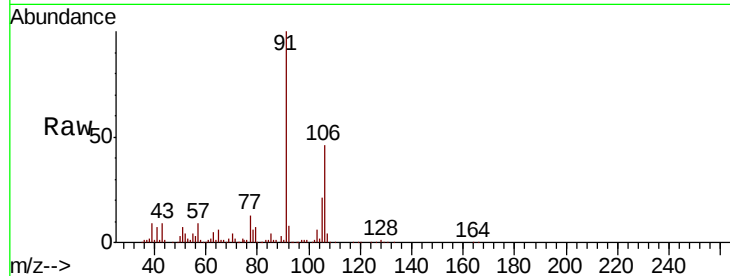




#59
m/p-Xylene
Concen: 1.575 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.03 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

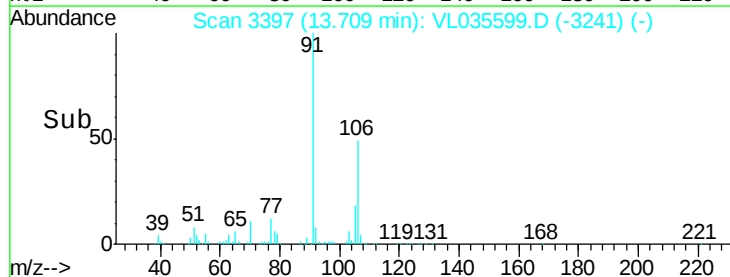
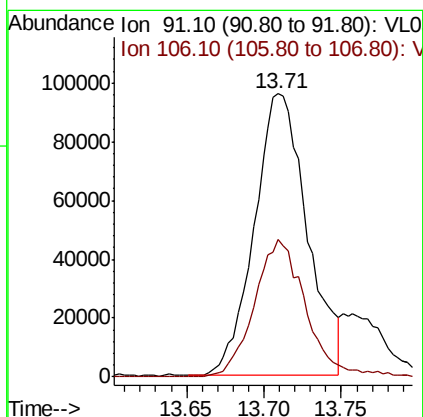
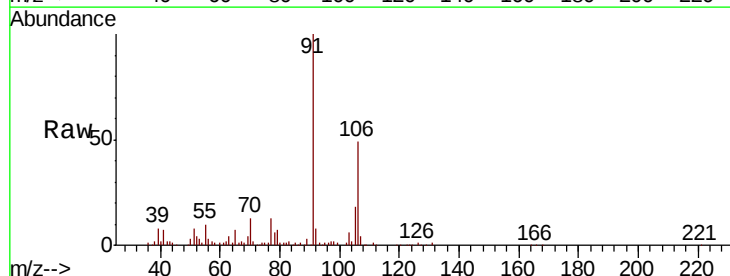
Instrument :
MSVOA_L
ClientSampleId :
SV-10

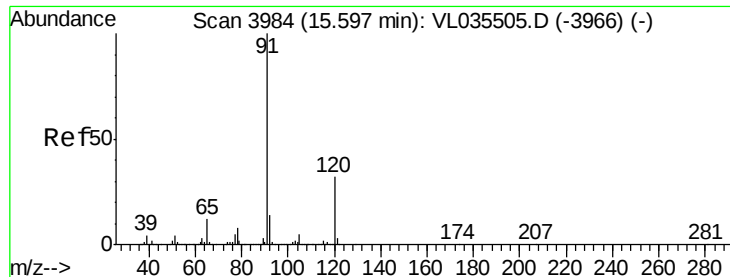
Tot Ion: 91 Resp: 615110
Ion Ratio Lower Upper
91 100
106 50.5 43.4 65.2



#60
o-Xylene
Concen: 0.581 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

Tgt Ion: 91 Resp: 228442
Ion Ratio Lower Upper
91 100
106 47.5 25.8 77.4





#64

n-propylbenzene

Concen: 0.119 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.01 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

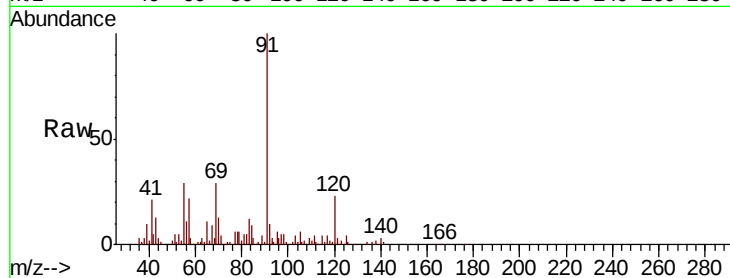
SV-10

Tot Ion:120 Resp: 23036

Ion Ratio Lower Upper

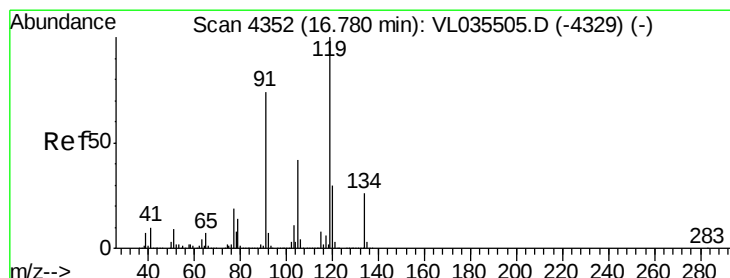
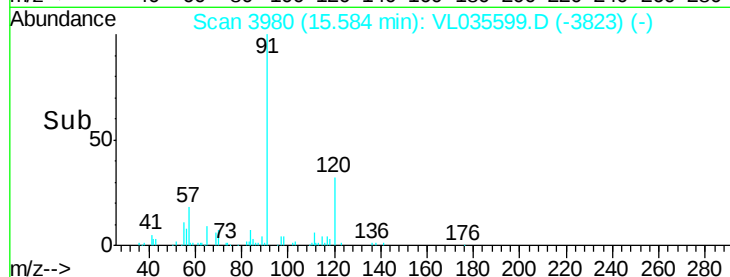
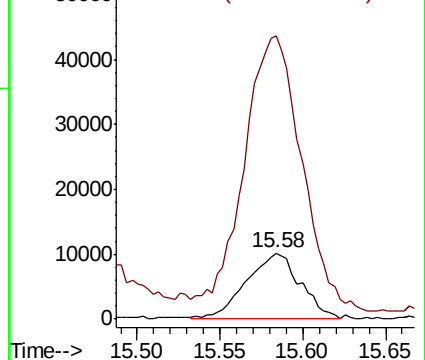
120 100

91 0.0 279.4 419.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.070 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.02 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

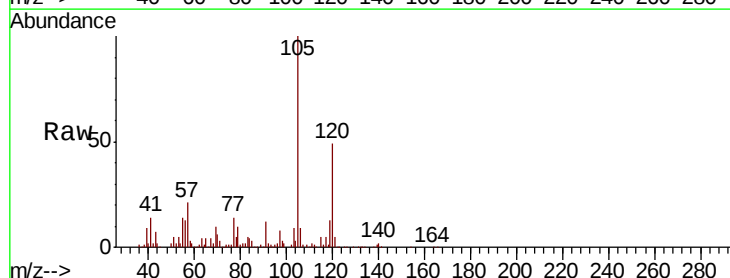
Tgt Ion:119 Resp: 41382

Ion Ratio Lower Upper

119 100

91 89.8 58.6 87.8#

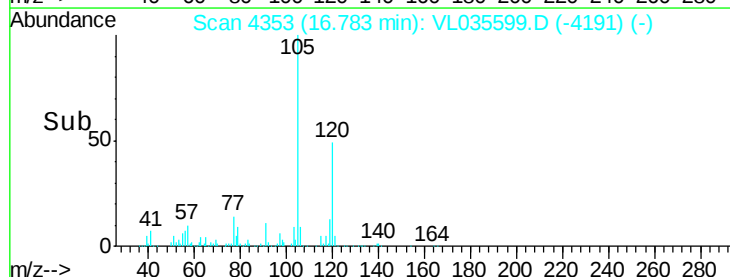
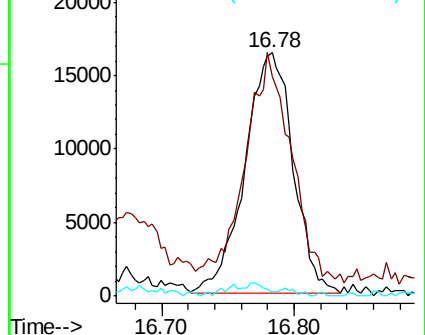
134 5.1 18.9 28.3#

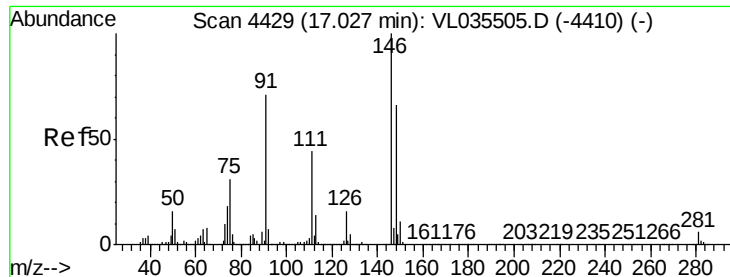


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

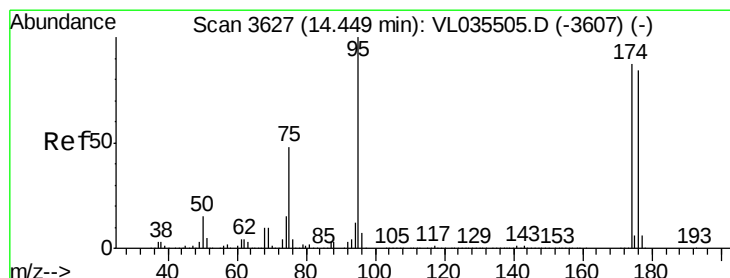
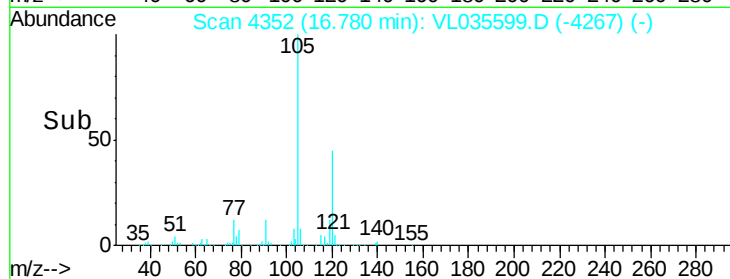
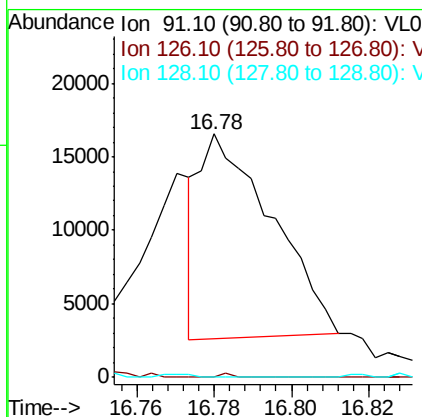
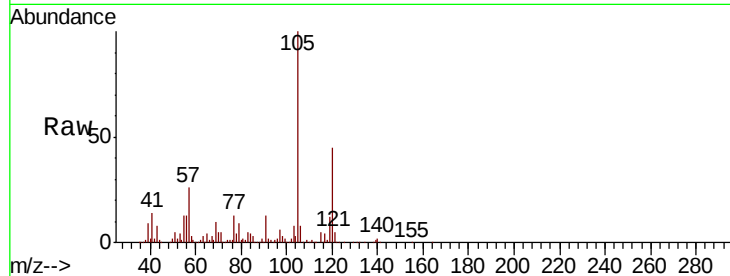




#66
Benzyl Chloride
Concen: 0.123 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.23 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

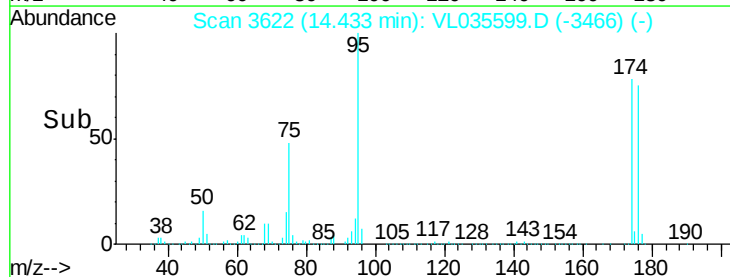
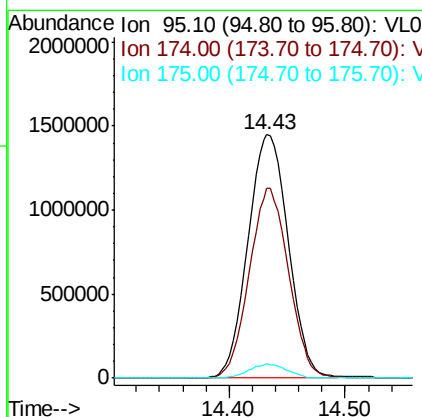
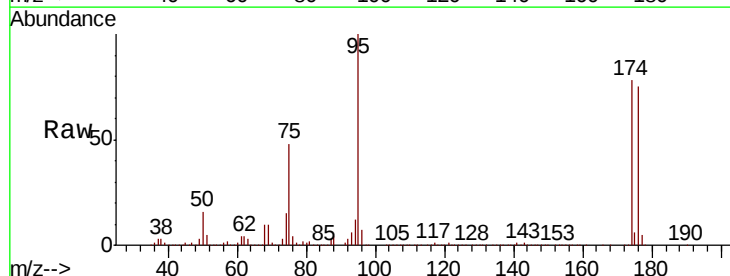
Instrument :
MSVOA_L
ClientSampleId :
SV-10

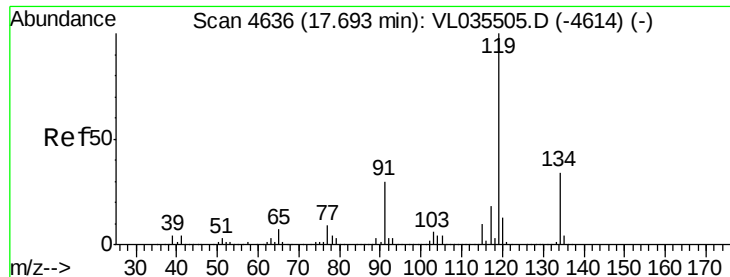
Tot Ion: 91 Resp: 17938
Ion Ratio Lower Upper
91 100
126 7.1 17.2 25.8#
128 0.0 5.5 8.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.876 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

Tgt Ion: 95 Resp: 3500884
Ion Ratio Lower Upper
95 100
174 76.5 69.6 104.4
175 5.6 5.1 7.7





#69

p-Isopropyltoluene

Concen: 0.084 ppbv

RT: 17.68 min Scan# 4631

Delta R.T. 0.01 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

Instrument :

MSVOA_L

ClientSampleId :

SV-10

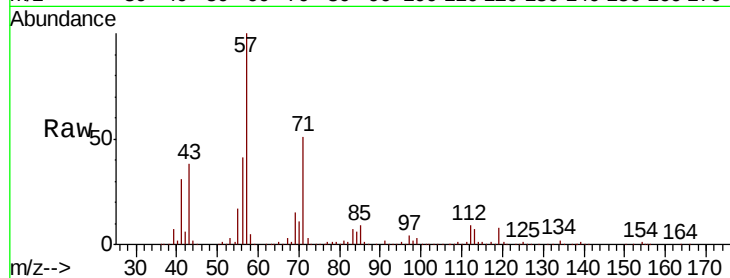
Tot Ion:119 Resp: 57476

Ion Ratio Lower Upper

119 100

134 26.7 25.0 37.4

91 39.8 22.3 33.5#

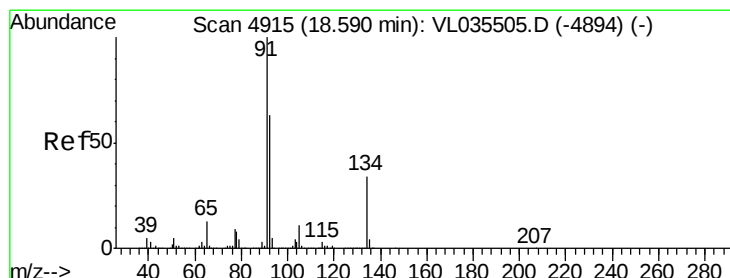
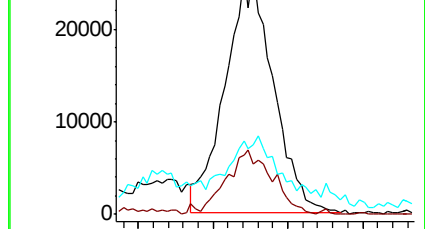
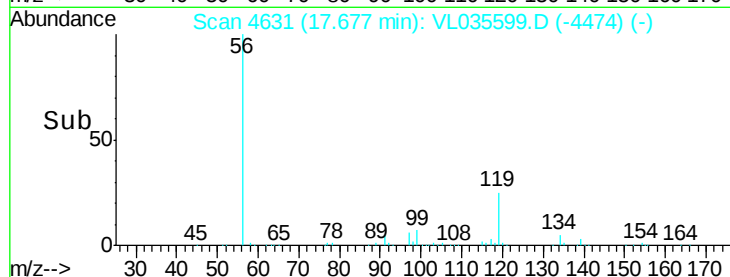


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V

Time-->



#70

n-Butylbenzene

Concen: 0.083 ppbv

RT: 18.58 min Scan# 4911

Delta R.T. 0.01 min

Lab File: VL035599.D

Acq: 14 Sep 2020 15:20

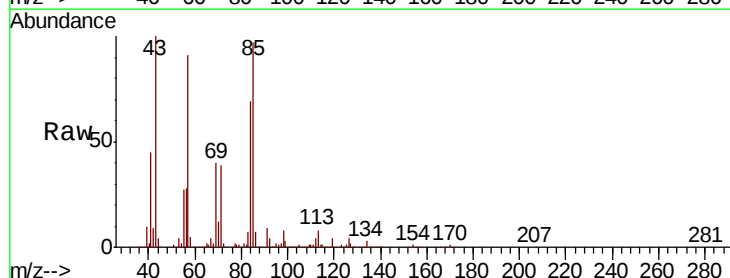
Tgt Ion: 91 Resp: 54816

Ion Ratio Lower Upper

91 100

92 46.8 47.3 70.9#

134 58.9 24.6 37.0#

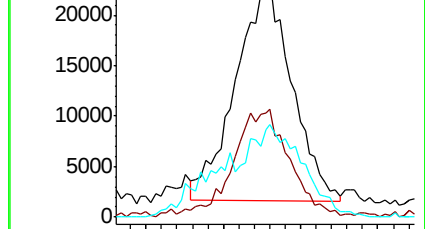
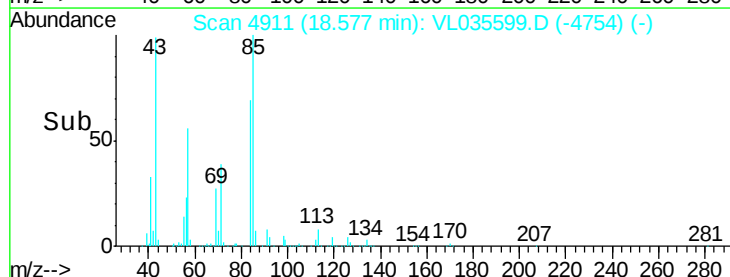


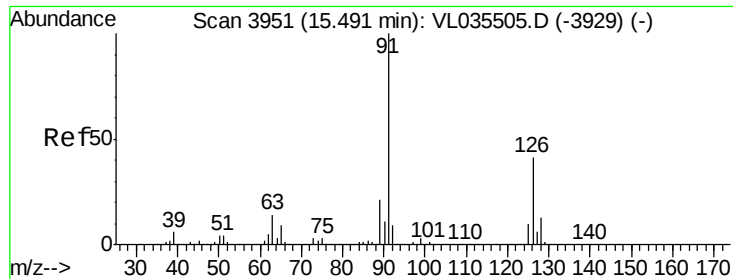
Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

Time-->

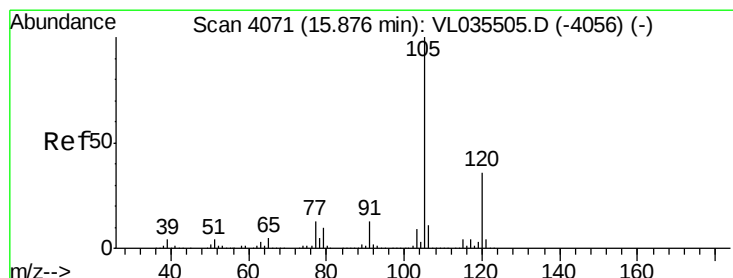
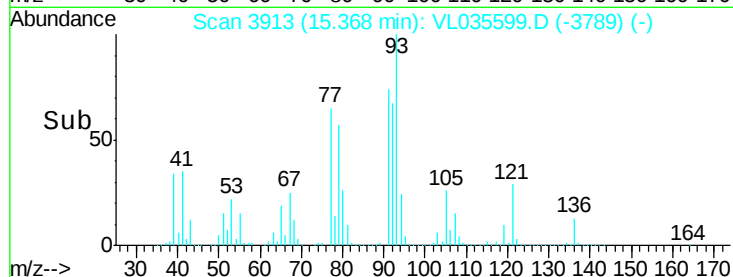
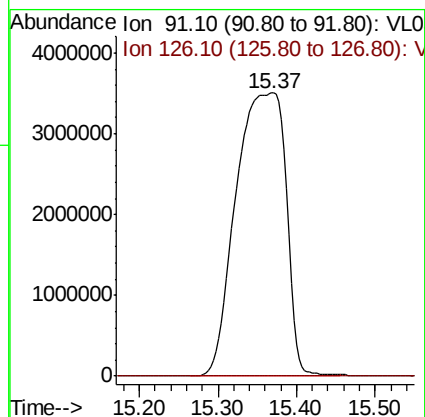
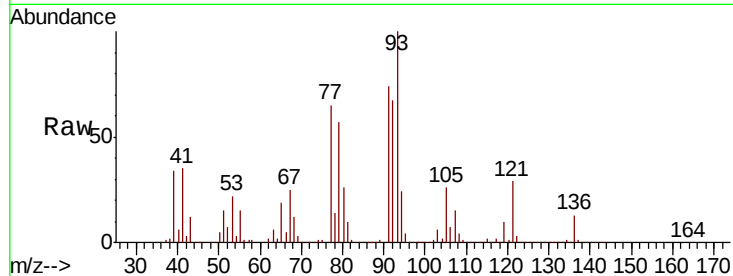




#71
 2-Chlorotoluene
 Concen: 33.933 ppbv
 RT: 15.37 min Scan# 3913
 Delta R.T. -0.10 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

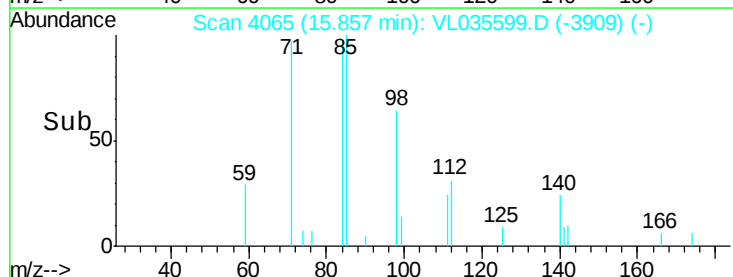
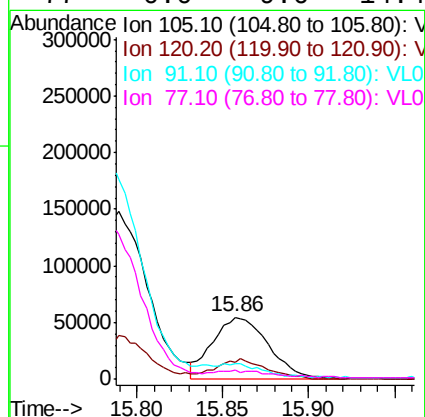
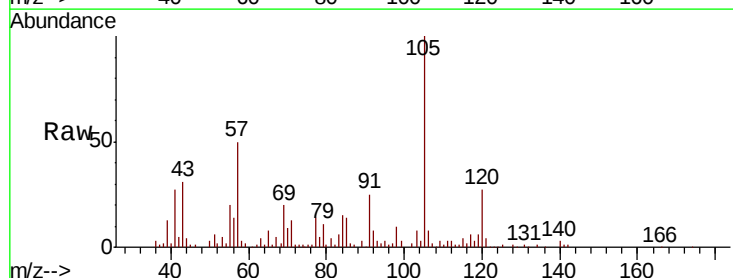
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10

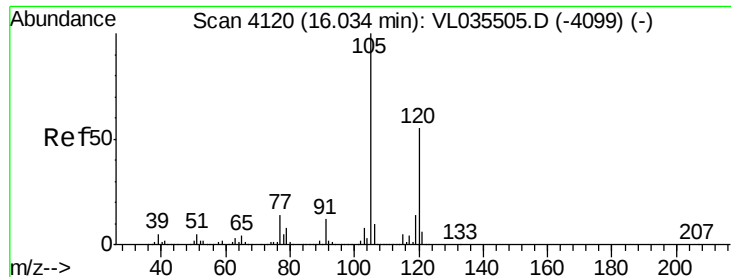
Tot Ion: 91 Resp:15613961
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 62.6#



#72
 4-Ethyltoluene
 Concen: 0.242 ppbv
 RT: 15.86 min Scan# 4065
 Delta R.T. 0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Tgt Ion:105 Resp: 121071
 Ion Ratio Lower Upper
 105 100
 120 30.8 27.4 41.2
 91 0.0 9.7 14.5#
 77 0.0 9.6 14.4#

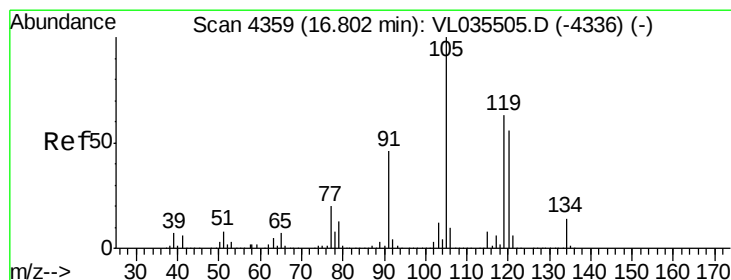
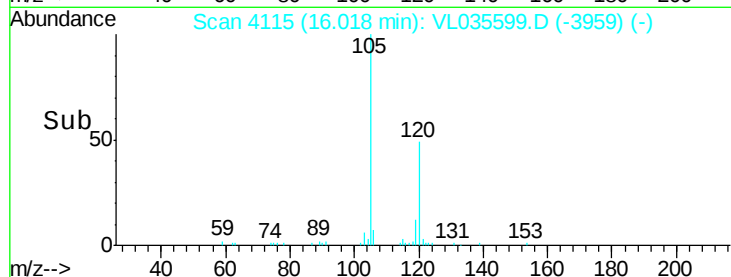
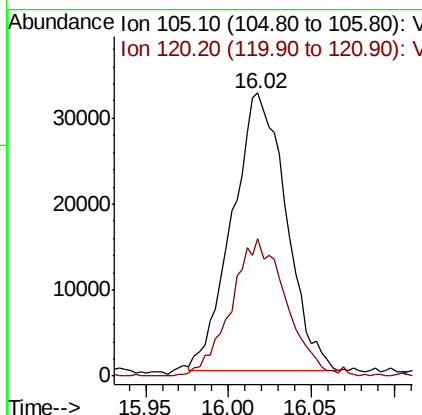
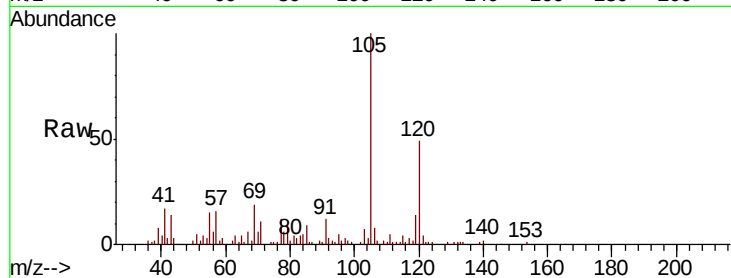




#73
 1,3,5-Trimethylbenzene
 Concen: 0.158 ppbv
 RT: 16.02 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

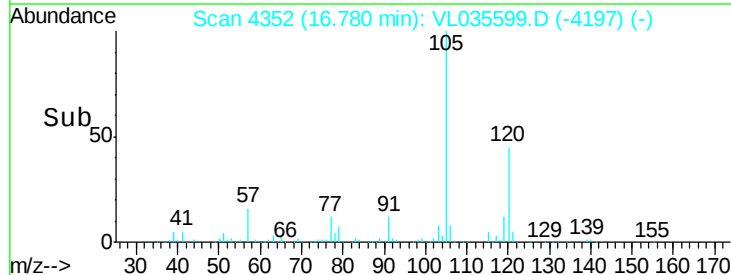
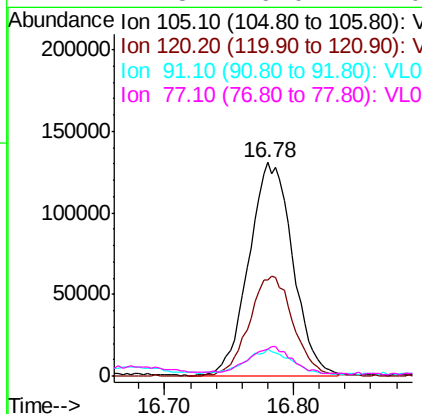
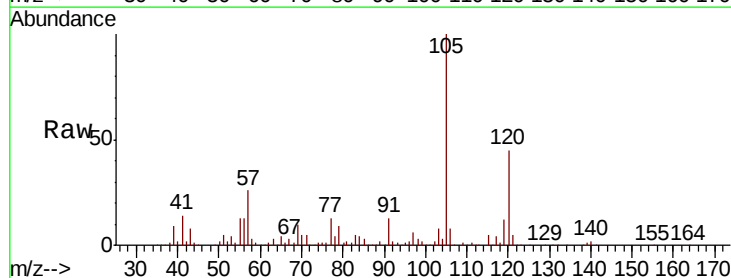
Instrument :
 MSVOA_L
 ClientSampled :
 SV-10

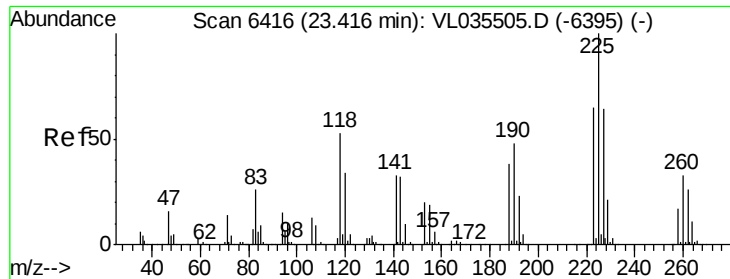
Tot Ion:105 Resp: 72946
 Ion Ratio Lower Upper
 105 100
 120 48.3 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 0.607 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Tgt Ion:105 Resp: 308126
 Ion Ratio Lower Upper
 105 100
 120 45.0 44.4 66.6
 91 11.5 37.1 55.7#
 77 11.8 16.0 24.0#

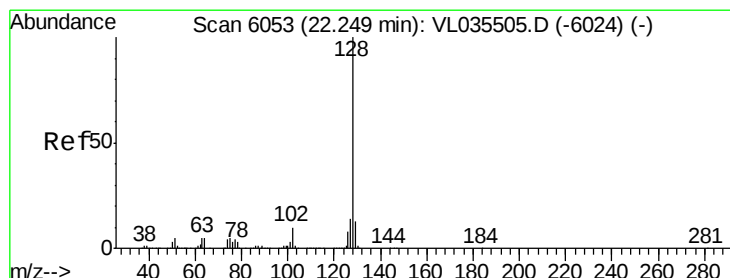
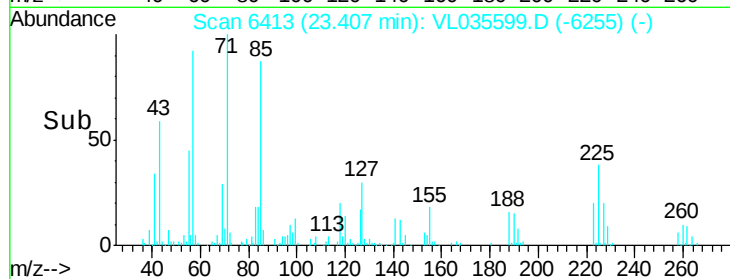
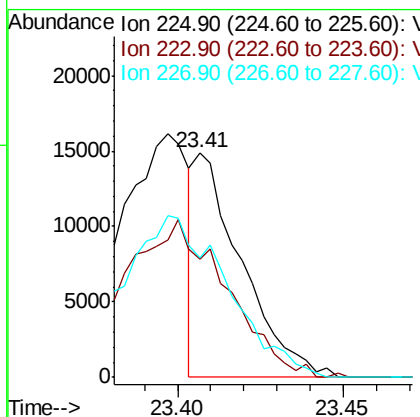
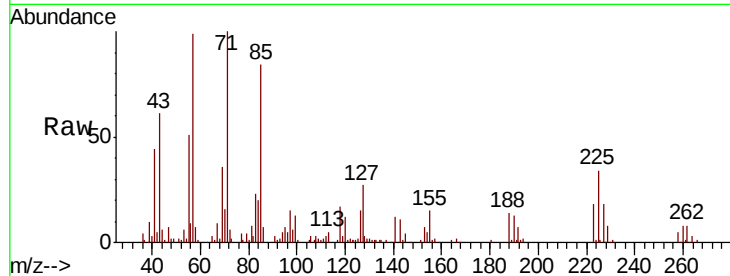




#78
Hexachloro-1,3-Butadiene
Concen: 0.062 ppbv
RT: 23.41 min Scan# 6413
Delta R.T. 0.01 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

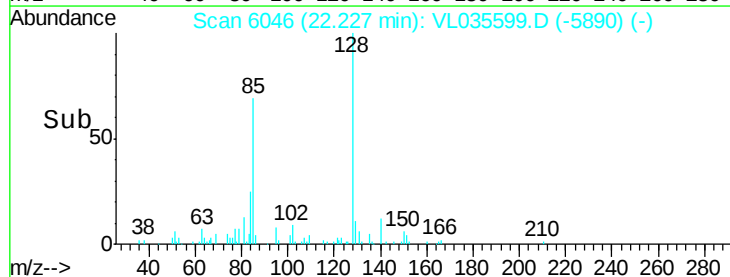
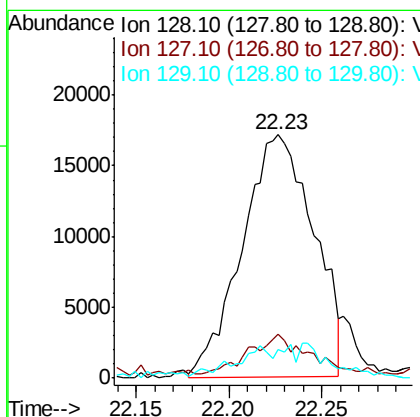
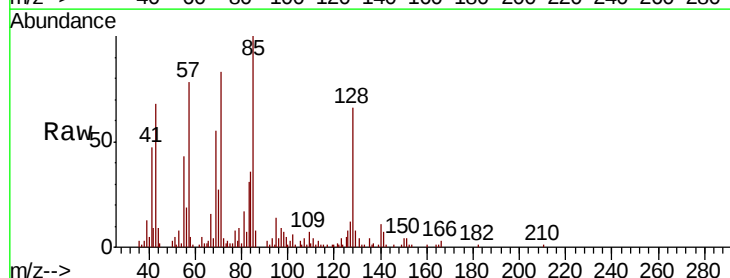
Instrument :
MSVOA_L
ClientSampleId :
SV-10

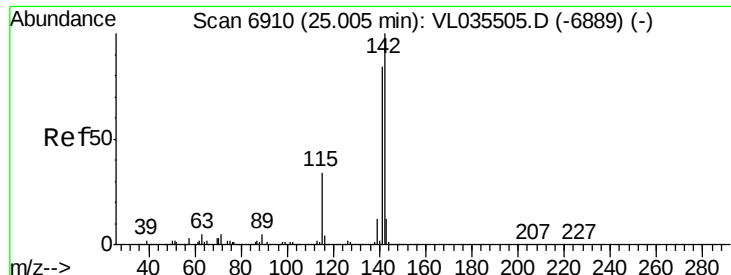
Tot Ion:225 Resp: 14455
Ion Ratio Lower Upper
225 100
223 0.0 51.7 77.5#
227 0.0 51.5 77.3#



#79
Naphthalene
Concen: 0.081 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. 0.00 min
Lab File: VL035599.D
Acq: 14 Sep 2020 15:20

Tgt Ion:128 Resp: 45917
Ion Ratio Lower Upper
128 100
127 14.9 11.4 17.2
129 11.2 10.5 15.7





#80
 Naphthalene, 2-methyl-
 Concen: 0.055 ppbv
 RT: 24.99 min Scan# 6907
 Delta R.T. 0.00 min
 Lab File: VL035599.D
 Acq: 14 Sep 2020 15:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10

Tot Ion:142 Resp: 10609
 Ion Ratio Lower Upper
 142 100
 141 92.9 67.6 101.4
 115 51.7 25.8 38.8#

