

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036731.D
 Acq On : 7 Apr 2021 18:04
 Operator : SY/AP
 Sample : M1929-02DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04DUP

Quant Time: Apr 08 02:42:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1271667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3227501	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2730176	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2216281	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	30155	0.145 ppbv	93
3) Chlorodifluoromethane	2.98	51	69587	0.293 ppbv #	79
4) Chloromethane	3.14	50	9634	0.115 ppbv #	68
7) Chloroethane	3.55	64	3090	0.104 ppbv #	79
9) Propene	3.01	41	124745	1.647 ppbv	93
10) Heptane	8.13	43	6484	0.034 ppbv #	1
11) Trichlorofluoromethane	3.95	101	117448	0.556 ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4651	0.034 ppbv #	1
13) Ethanol	3.61	45	58638	6.501 ppbv #	34
15) Acetone	3.85	43	1210585	9.672 ppbv	98
16) 1,3-Butadiene	3.31	39	64533	0.741 ppbv #	28
19) Isopropyl Alcohol	3.99	45	207356	3.012 ppbv #	1
20) Methylene Chloride	4.34	84	903044	15.410 ppbv	93
23) Vinyl Acetate	5.07	43	16637	0.078 ppbv #	82
24) 1,1-Dichloroethane	5.01	63	30483	0.195 ppbv #	94
25) Ethyl Acetate	5.69	43	475998	1.600 ppbv #	79
26) Hexane	5.69	57	653248	4.731 ppbv #	47
27) Carbon Disulfide	4.55	76	35091	0.258 ppbv #	91
29) Chloroform	5.75	83	374442	1.696 ppbv	95
30) Cyclohexane	7.13	84	22104	0.197 ppbv #	1
32) 1,1,1-Trichloroethane	6.52	97	80293	0.361 ppbv	89
34) 2-Butanone	5.26	43	172142	1.093 ppbv #	77
36) Benzene	6.89	78	7019366	23.582 ppbv	96
37) 1,2-Dichloroethane	6.31	62	50632	0.289 ppbv #	95
39) 1,2-Dichloropropane	7.18	63	825476	6.836 ppbv #	24
41) Tetrahydrofuran	6.03	42	3928	0.054 ppbv #	52
44) 2,2,4-Trimethylpentane	7.87	57	49813	0.095 ppbv #	56
50) 4-Methyl-2-Pentanone	8.75	43	9175	0.040 ppbv #	40
52) Tetrachloroethene	11.23	164	2379331	21.707 ppbv	97
53) Toluene	9.81	91	2985818	9.419 ppbv	99
58) Ethyl Benzene	12.72	91	2049190	5.159 ppbv	98
59) m/p-Xylene	13.01	91	2687565	7.757 ppbv	96
60) o-Xylene	13.70	91	1308497	3.906 ppbv	100
61) Styrene	13.53	104	9680	0.057 ppbv #	1
62) Isopropylbenzene	14.67	105	28503	0.063 ppbv #	60
64) n-propylbenzene	15.56	120	11931	0.108 ppbv #	1
65) tert-Butylbenzene	16.77	119	92976	0.238 ppbv #	1
66) Benzyl Chloride	16.99	91	1301	0.030 ppbv #	5
67) sec-Butylbenzene	17.61	105	716995	1.299 ppbv #	68
69) p-Isopropyltoluene	17.66	119	74951	0.174 ppbv #	46
70) n-Butylbenzene	18.57	91	53466	0.120 ppbv #	82

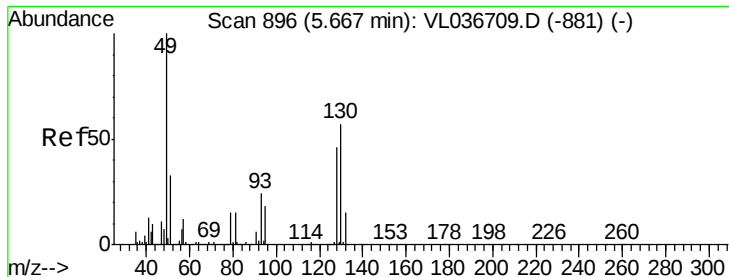
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
Data File : VL036731.D
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Operator : SY/AP
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
QLast Update : Thu Apr 08 01:58:43 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.57	91	158842	0.470	ppbv #	45
72) 4-Ethyltoluene	15.84	105	277830	0.757	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	529103	1.544	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	1358453	3.705	ppbv #	69
79) Naphthalene	22.21	128	467300	2.184	ppbv #	95
80) Naphthalene,2-methyl-	24.99	142	5432	0.129	ppbv #	62

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

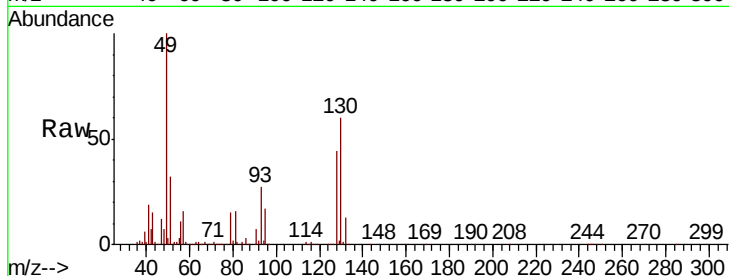
Tot Ion: 49 Resp: 1271667

Ion Ratio Lower Upper

49 100

128 47.1 23.5 70.6

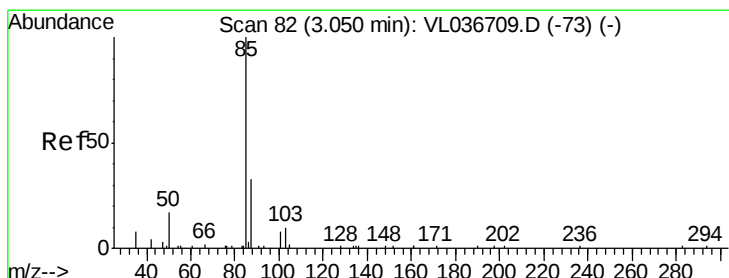
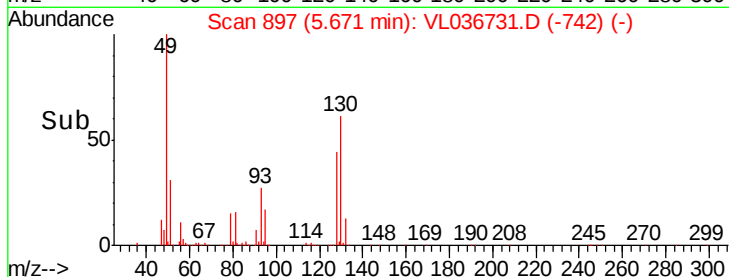
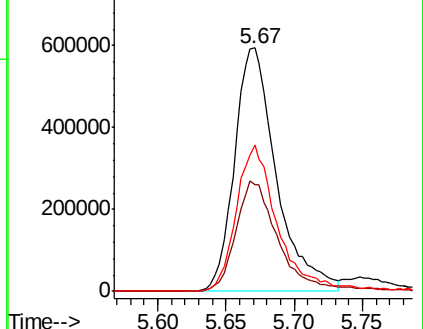
130 61.0 29.1 87.4



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: 0.145 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036731.D

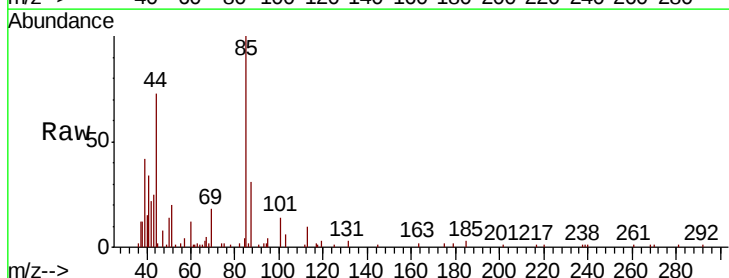
Acq: 7 Apr 2021 18:04

Tgt Ion: 85 Resp: 30155

Ion Ratio Lower Upper

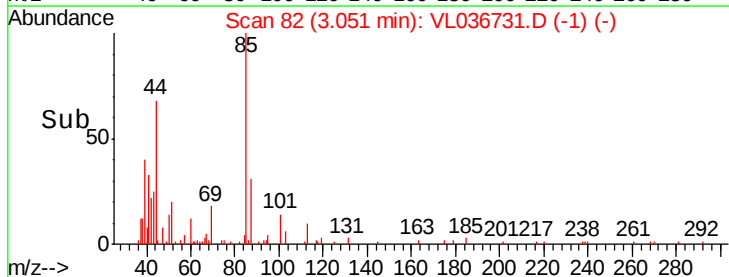
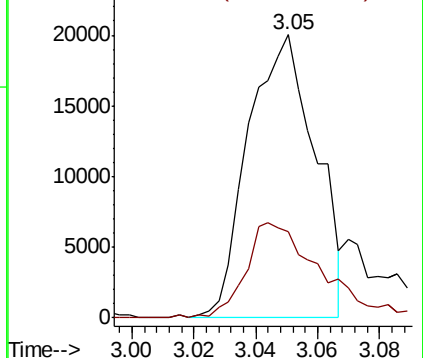
85 100

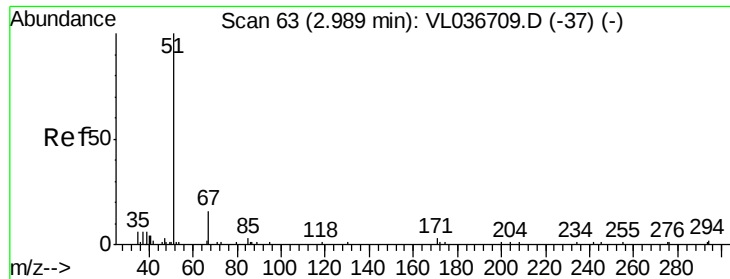
87 30.6 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.293 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

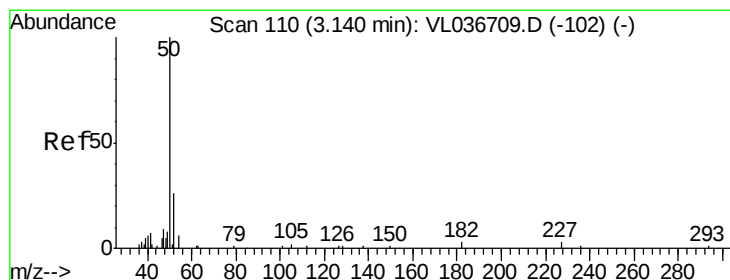
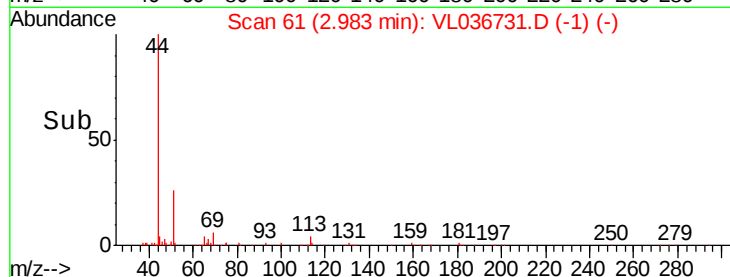
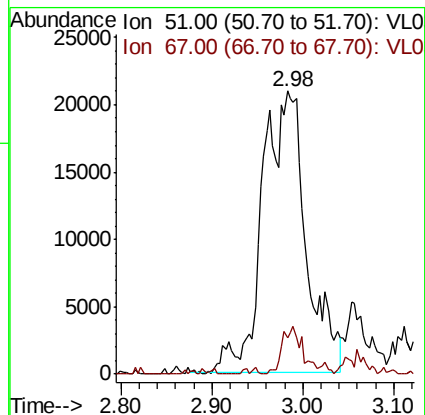
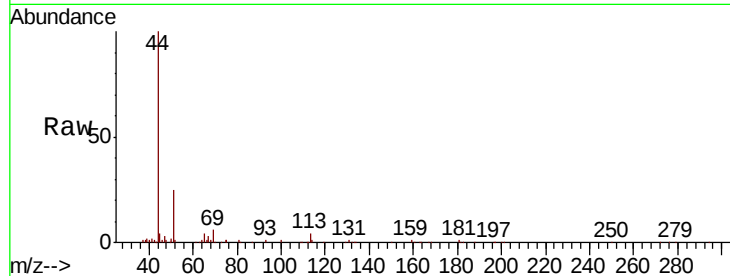
FS-SV-04DUP

Tot Ion: 51 Resp: 69587

Ion Ratio Lower Upper

51 100

67 9.0 14.7 22.1#



#4

Chloromethane

Concen: 0.115 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036731.D

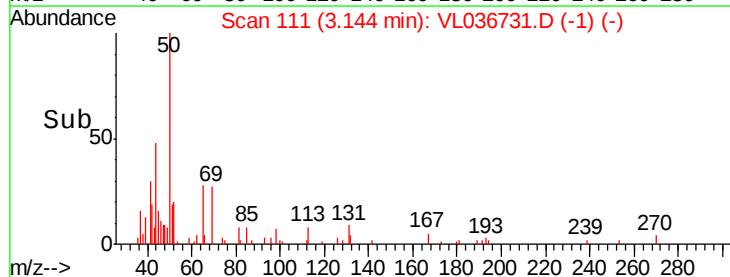
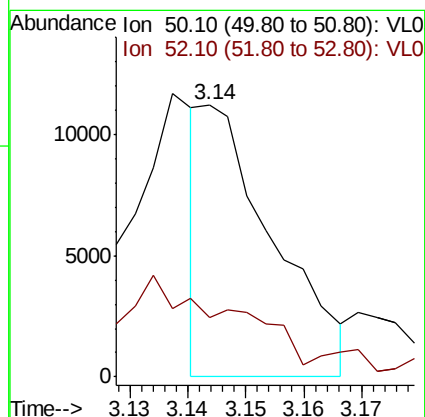
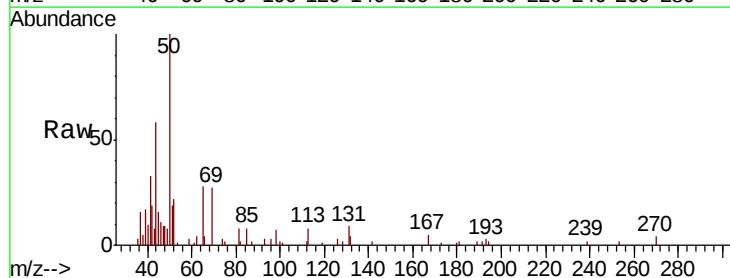
Acq: 7 Apr 2021 18:04

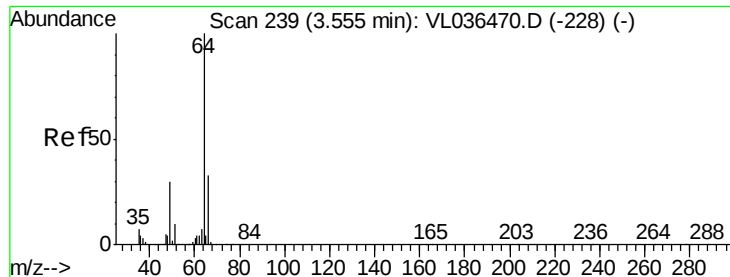
Tgt Ion: 50 Resp: 9634

Ion Ratio Lower Upper

50 100

52 15.8 27.0 40.6#





#7

Chloroethane

Concen: 0.104 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

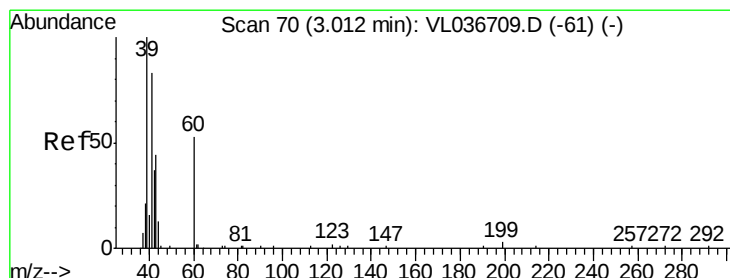
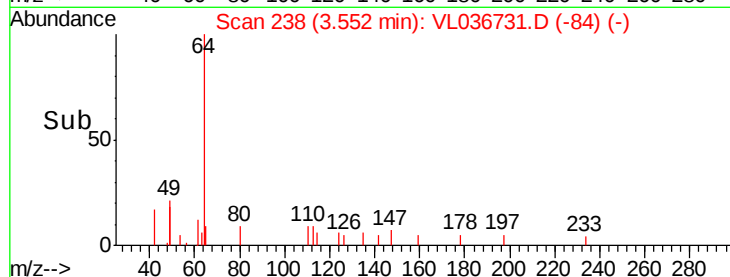
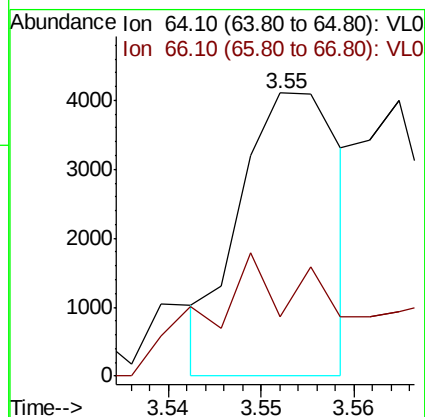
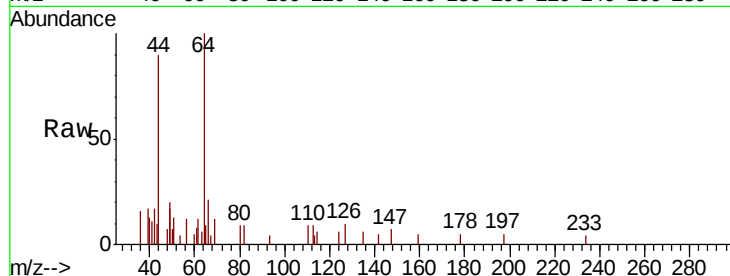
FS-SV-04DUP

Tot Ion: 64 Resp: 3090

Ion Ratio Lower Upper

64 100

66 21.1 26.2 39.2#



#9

Propene

Concen: 1.647 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036731.D

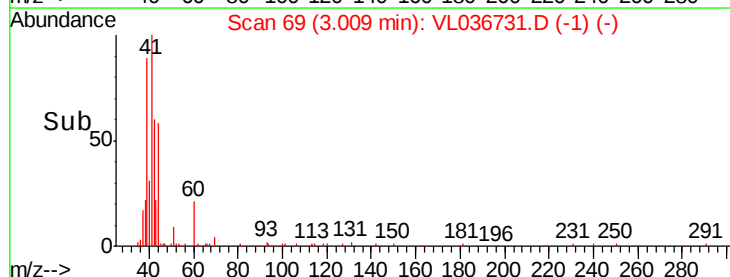
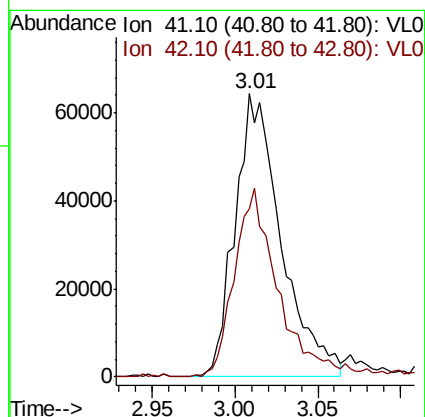
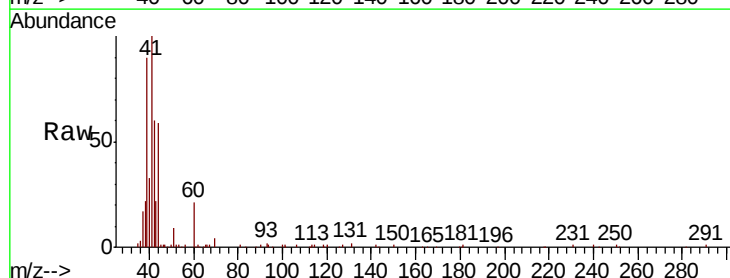
Acq: 7 Apr 2021 18:04

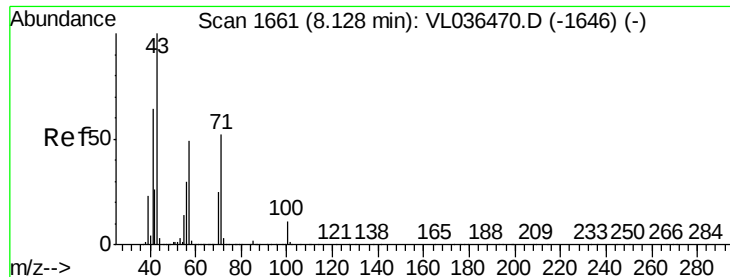
Tgt Ion: 41 Resp: 124745

Ion Ratio Lower Upper

41 100

42 65.1 57.0 85.4

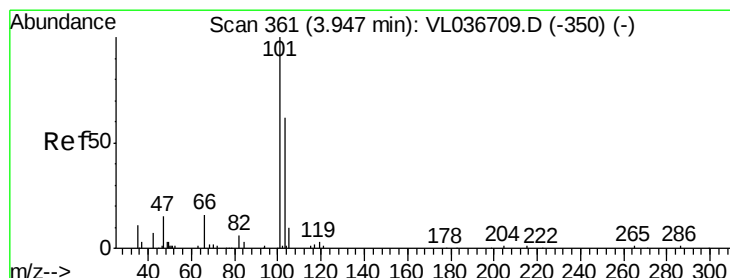
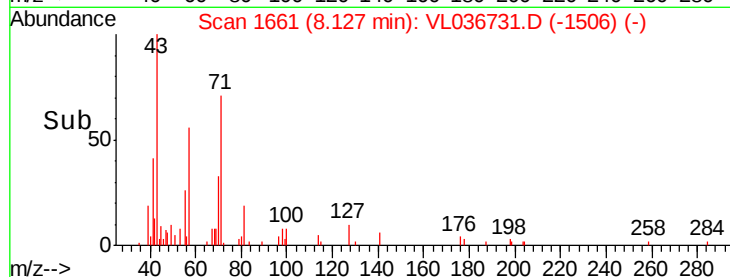
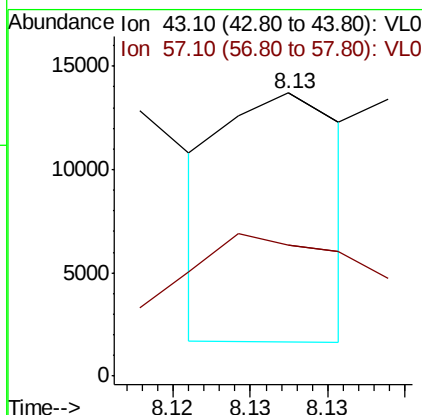
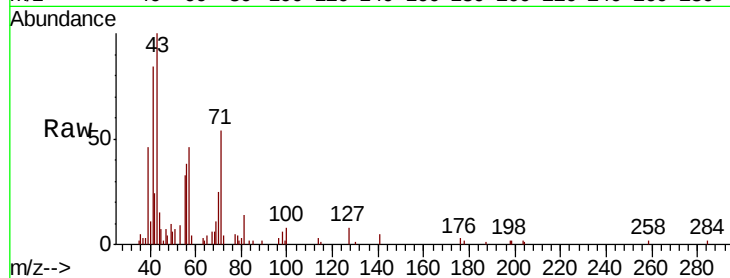




#10
 Heptane
 Concen: 0.034 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

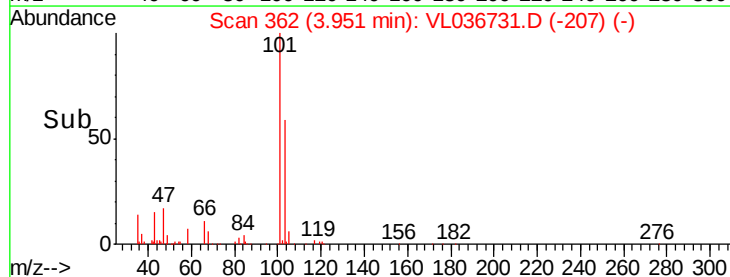
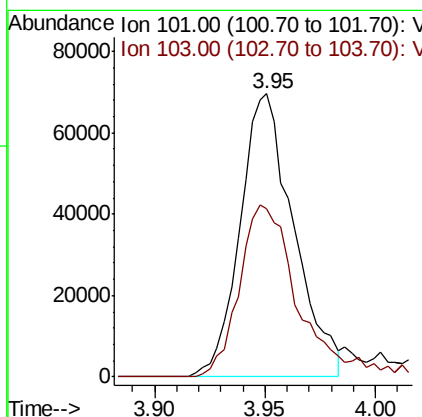
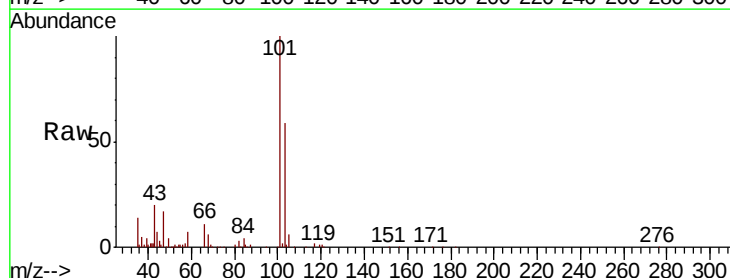
Instrument :
 MSVOA_L
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 FS-SV-04DUP

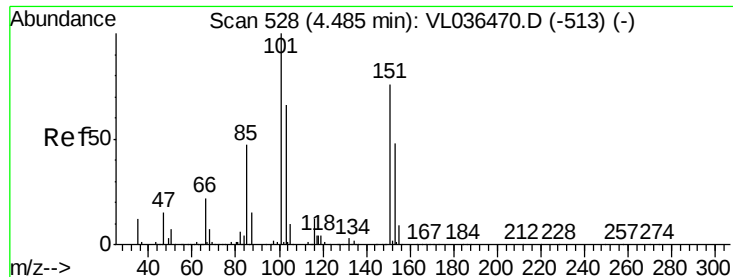
Tot Ion: 43 Resp: 6484
 Ion Ratio Lower Upper
 43 100
 57 226.0 39.0 58.6#



#11
 Trichlorofluoromethane
 Concen: 0.556 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

Tgt Ion:101 Resp: 117448
 Ion Ratio Lower Upper
 101 100
 103 59.2 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.034 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

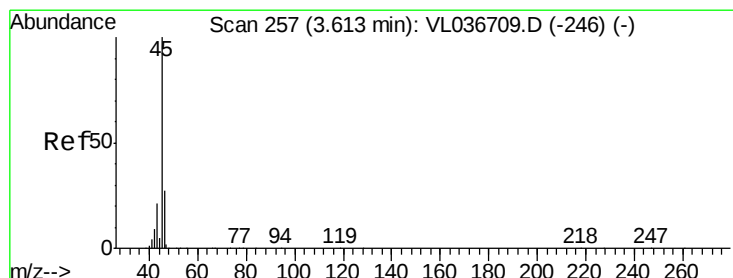
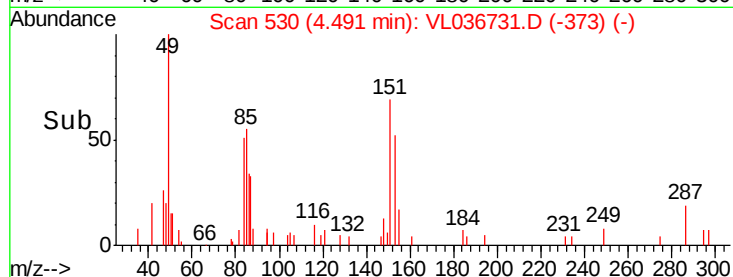
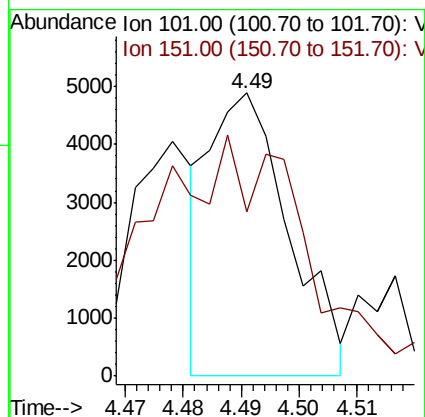
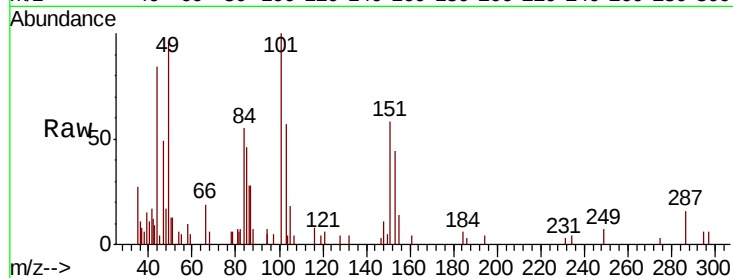
FS-SV-04DUP

Tot Ion:101 Resp: 4651

Ion Ratio Lower Upper

101 100

151 184.2 60.9 91.3#



#13

Ethanol

Concen: 6.501 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036731.D

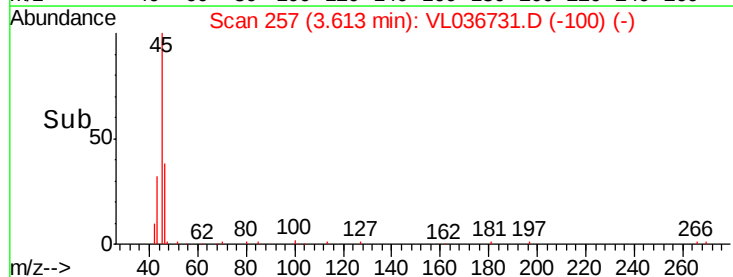
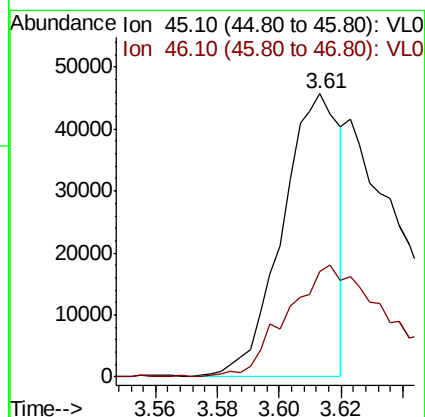
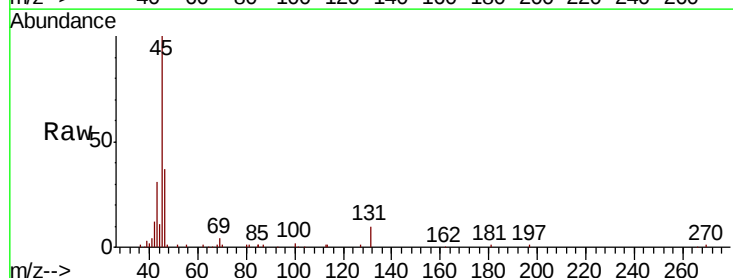
Acq: 7 Apr 2021 18:04

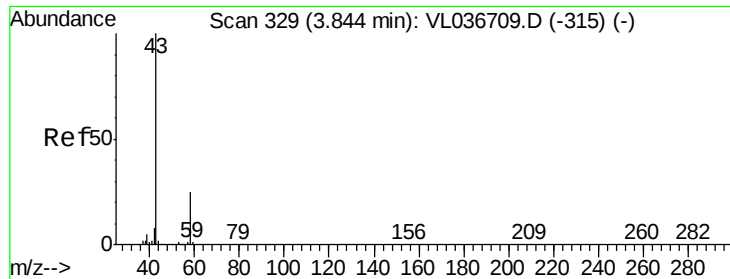
Tgt Ion: 45 Resp: 58638

Ion Ratio Lower Upper

45 100

46 82.8 16.6 66.2#





#15

Acetone

Concen: 9.672 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

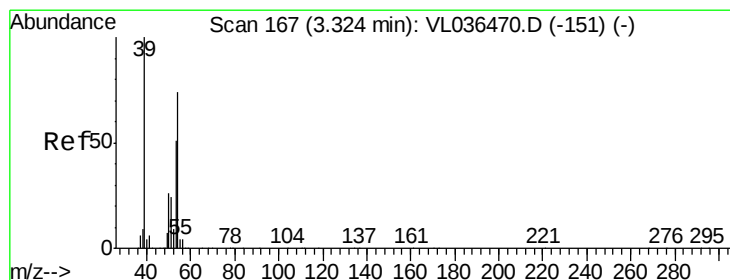
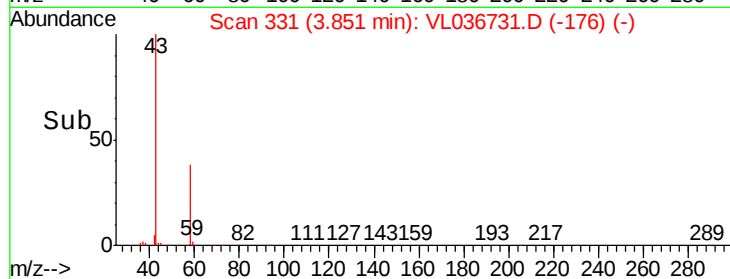
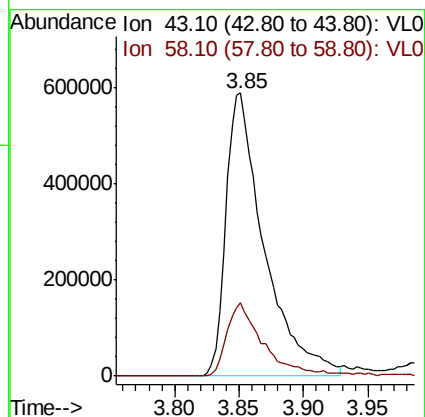
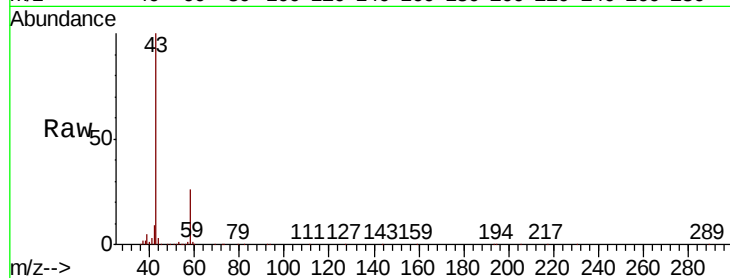
FS-SV-04DUP

Tot Ion: 43 Resp: 1210585

Ion Ratio Lower Upper

43 100

58 25.3 21.2 31.8



#16

1,3-Butadiene

Concen: 0.741 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL036731.D

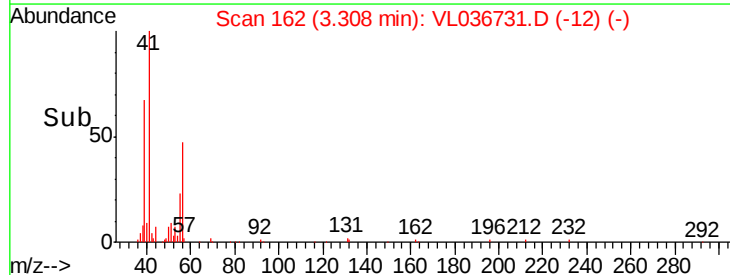
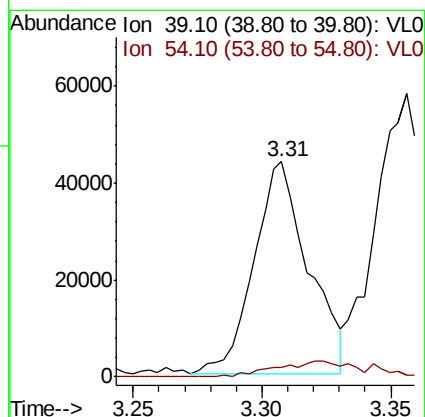
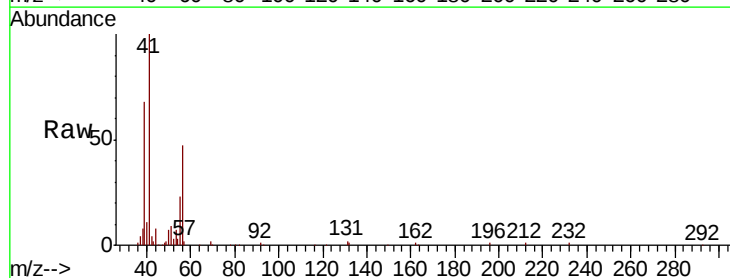
Acq: 7 Apr 2021 18:04

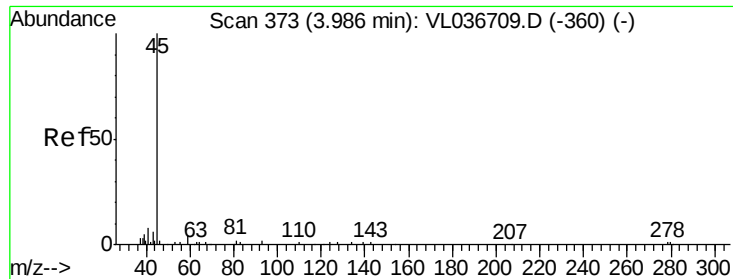
Tgt Ion: 39 Resp: 64533

Ion Ratio Lower Upper

39 100

54 13.1 58.8 88.2#





#19

Isopropyl Alcohol

Concen: 3.012 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

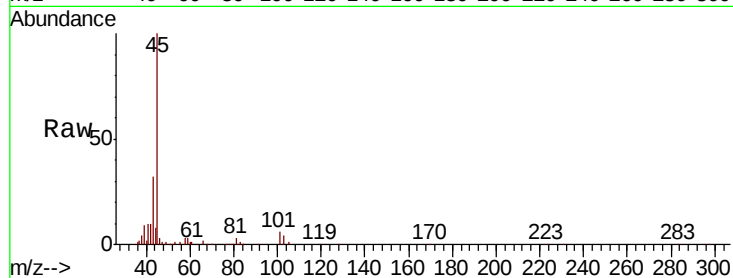
FS-SV-04DUP

Tot Ion: 45 Resp: 207356

Ion Ratio Lower Upper

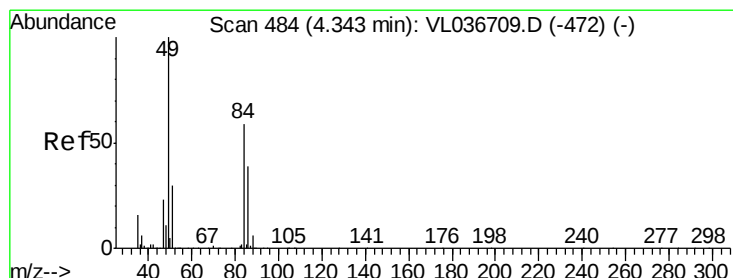
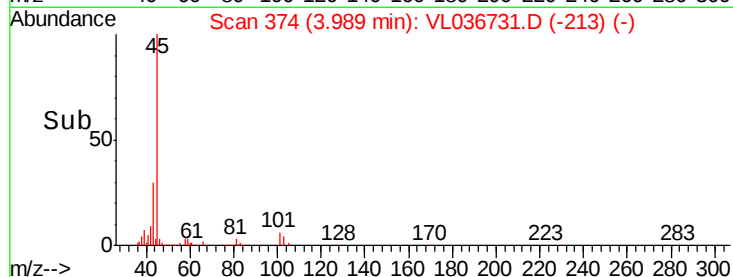
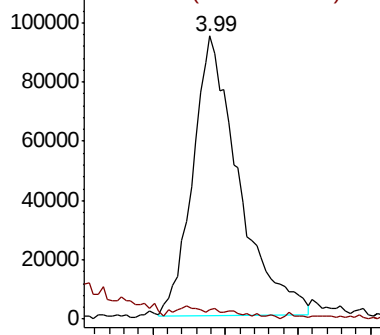
45 100

58 153.1 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 15.410 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Tgt Ion: 84 Resp: 903044

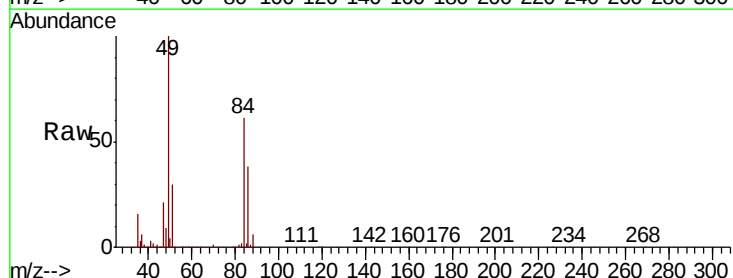
Ion Ratio Lower Upper

84 100

49 164.6 122.9 184.3

51 49.6 36.9 55.3

86 62.9 48.2 72.4

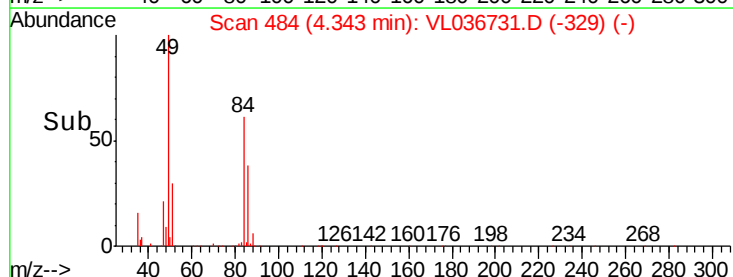
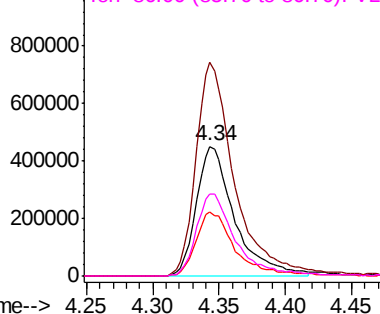


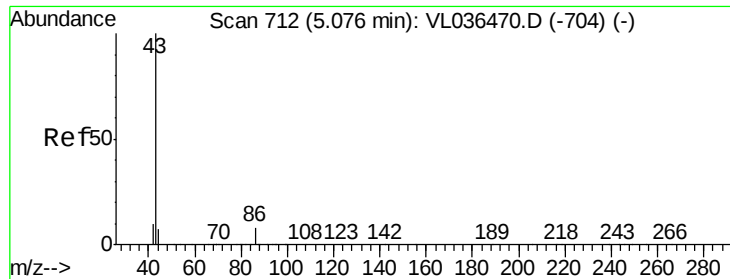
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#23

Vinyl Acetate

Concen: 0.078 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

Tot Ion: 43 Resp: 16637

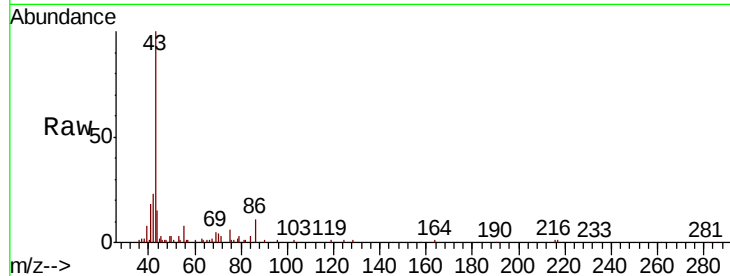
Ion Ratio Lower Upper

43 100

86 3.2 5.4 8.0#

42 15.6 8.5 12.7#

44 18.3 4.6 7.0#

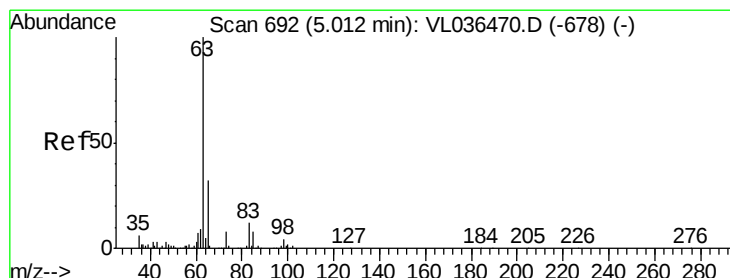
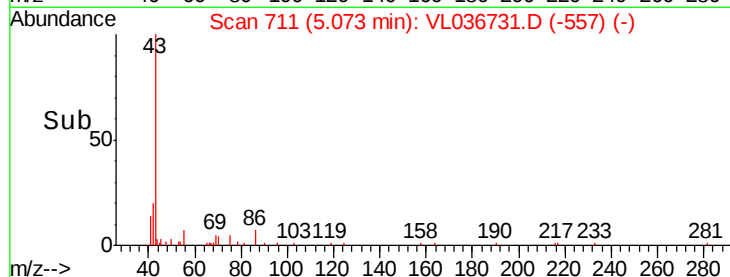
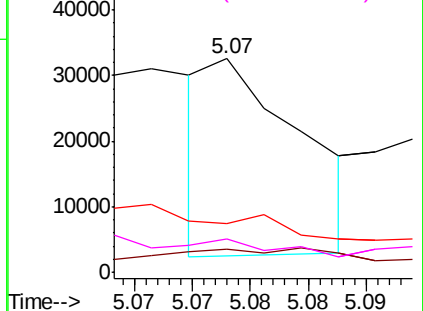


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.195 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

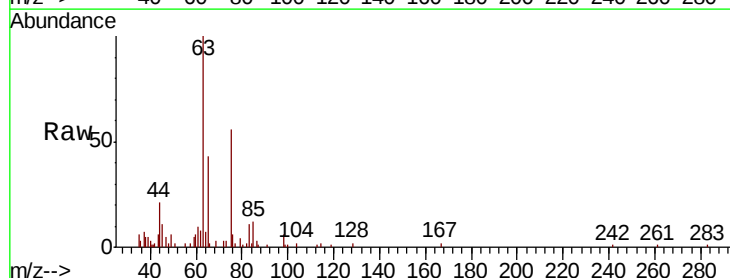
Tgt Ion: 63 Resp: 30483

Ion Ratio Lower Upper

63 100

98 6.6 2.1 6.2#

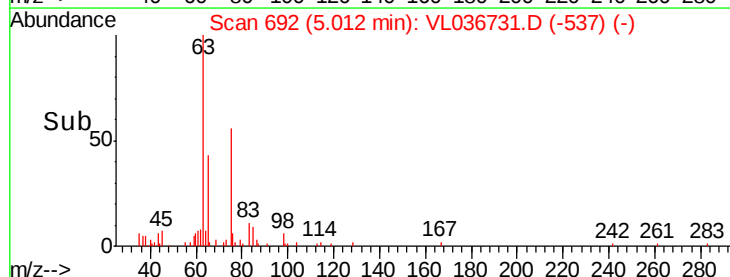
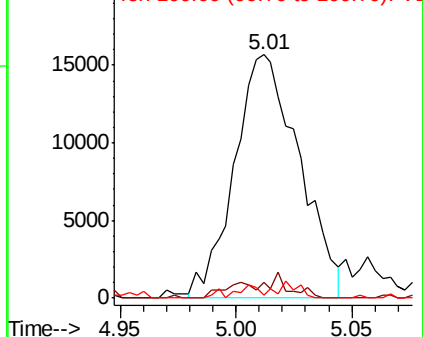
100 1.4 0.9 2.8

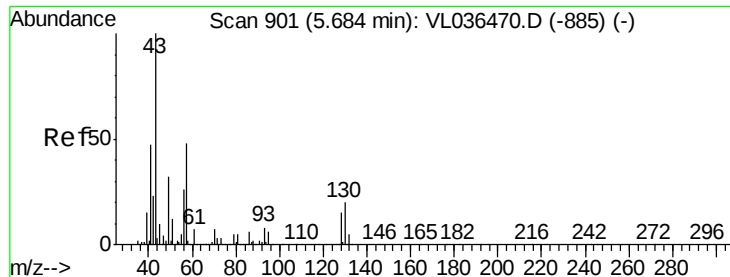


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

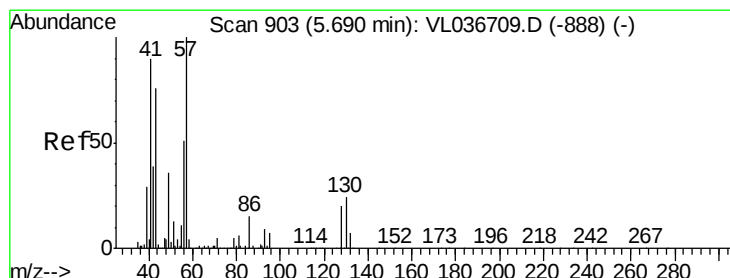
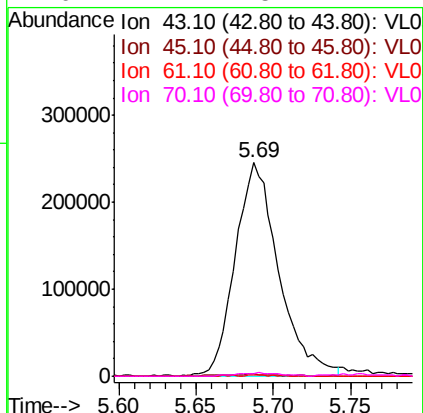
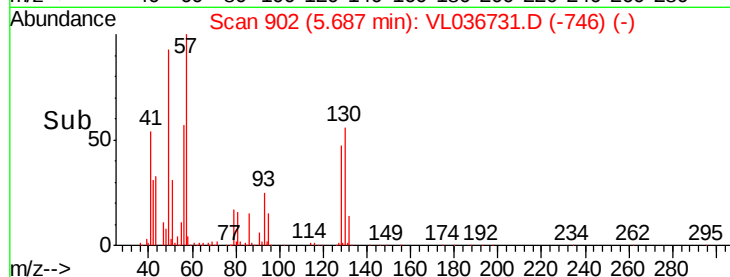
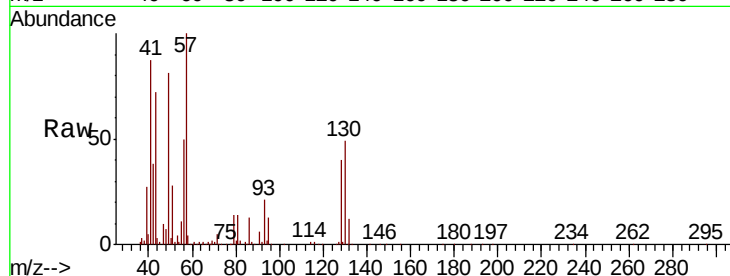




#25
Ethyl Acetate
Concen: 1.600 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

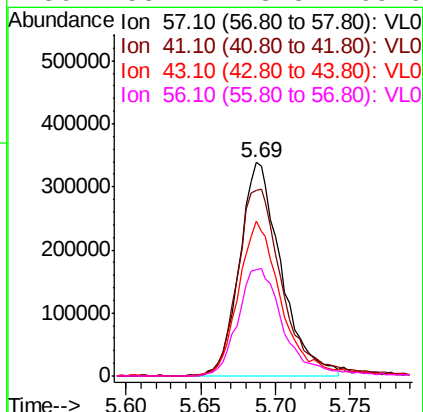
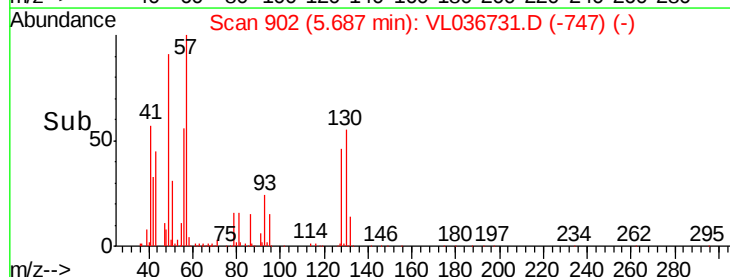
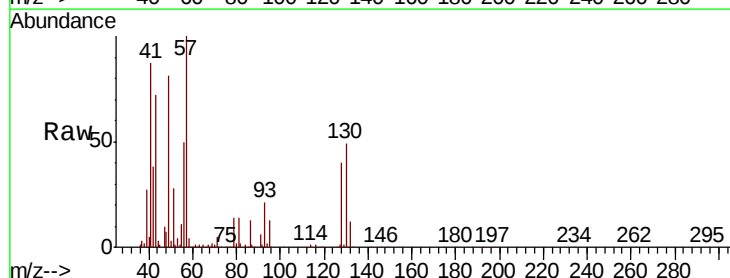
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

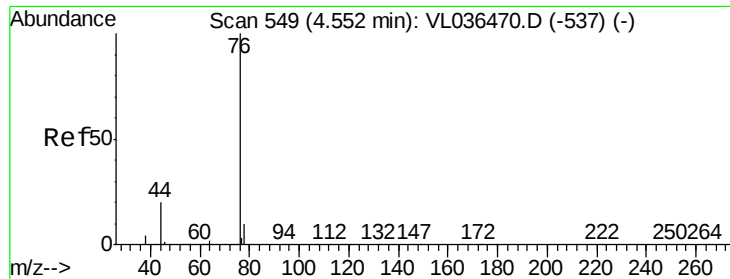
Tot Ion:	43	Resp:	475998
Ion	Ratio	Lower	Upper
43	100		
45	1.4	7.9	11.9#
61	0.6	7.4	11.2#
70	1.7	5.1	7.7#



#26
Hexane
Concen: 4.731 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion:	57	Resp:	653248
Ion	Ratio	Lower	Upper
57	100		
41	96.6	77.2	115.8
43	75.5	173.8	260.6#
56	55.7	43.8	65.6

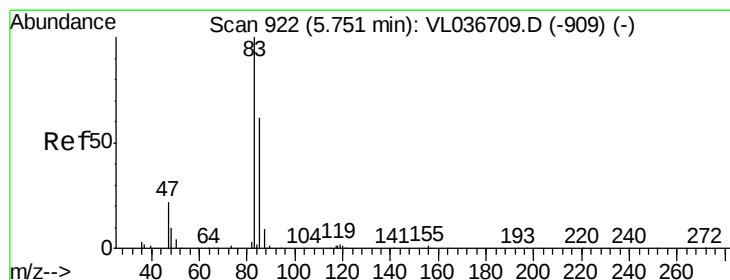
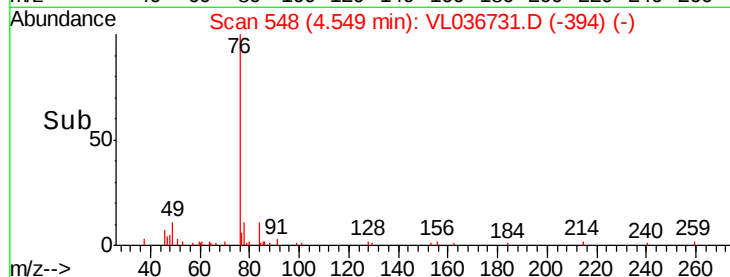
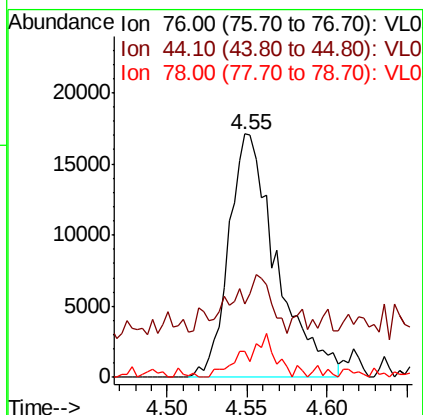
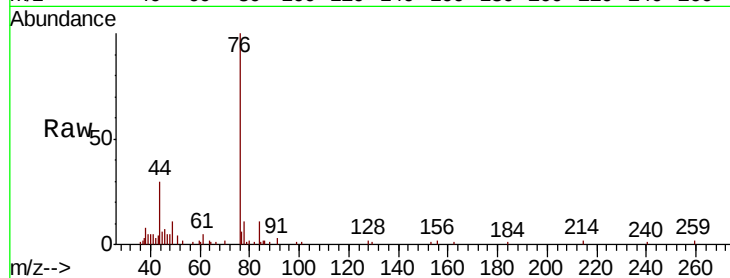




#27
Carbon Disulfide
Concen: 0.258 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

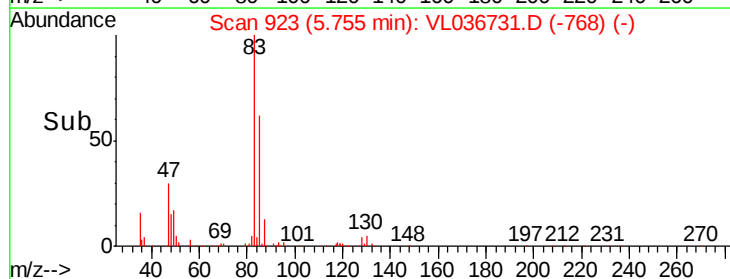
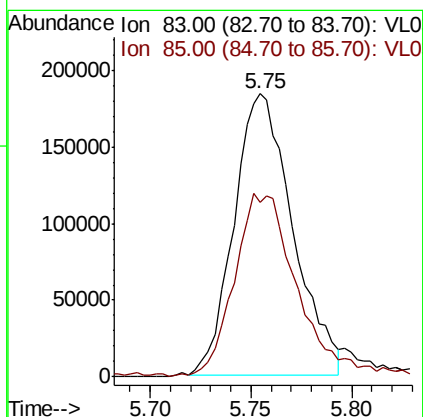
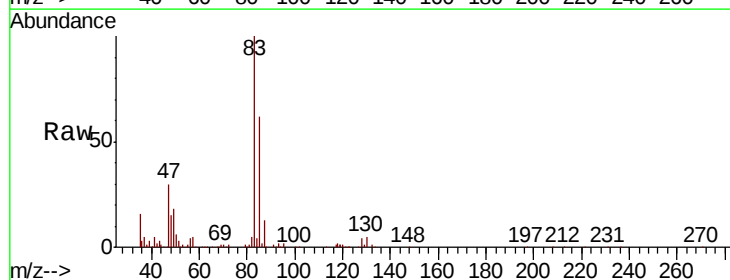
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

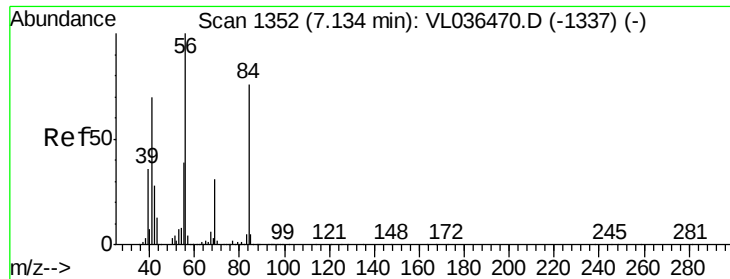
Tot Ion: 76 Resp: 35091
Ion Ratio Lower Upper
76 100
44 26.1 17.5 26.3
78 14.2 8.6 13.0#



#29
Chloroform
Concen: 1.696 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion: 83 Resp: 374442
Ion Ratio Lower Upper
83 100
85 61.4 52.6 78.8

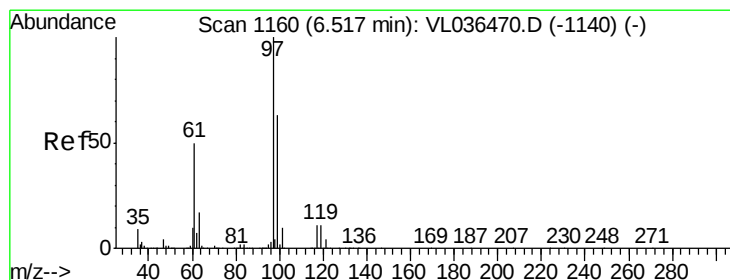
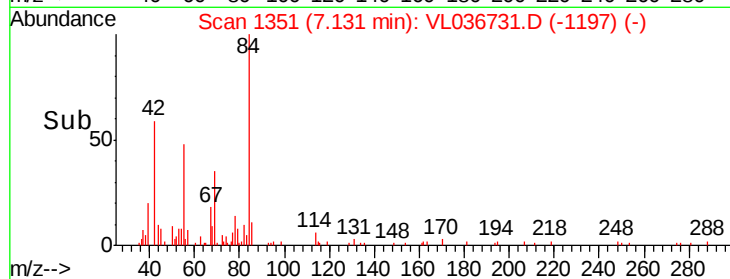
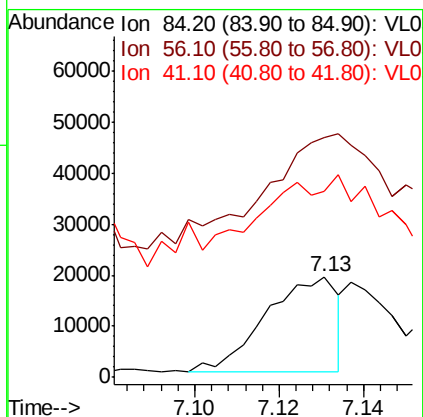
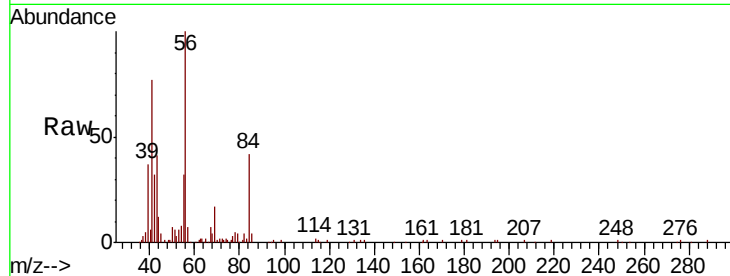




#30
Cyclohexane
Concen: 0.197 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

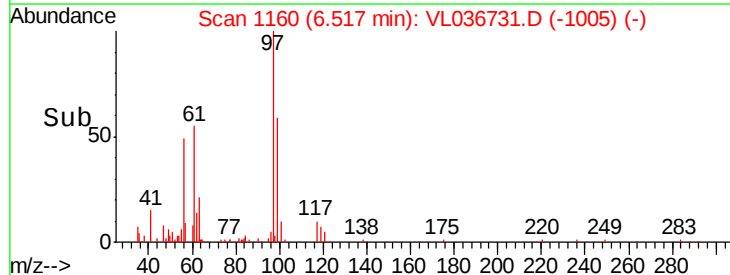
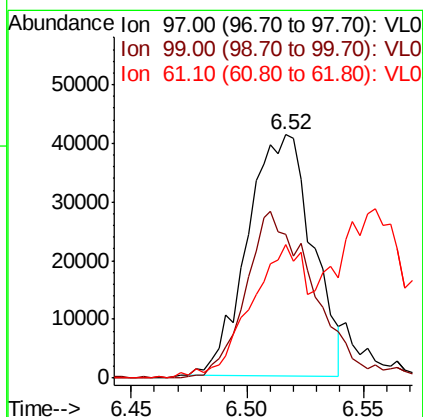
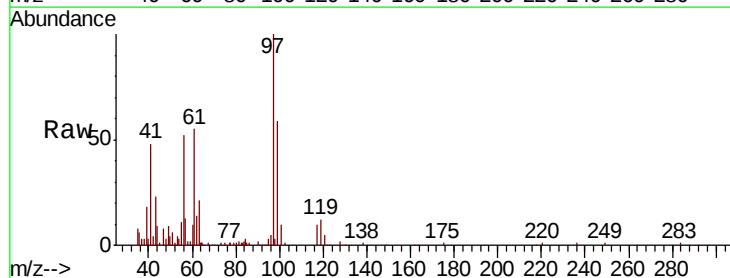
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

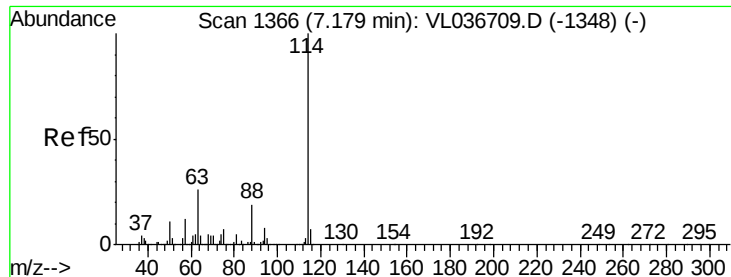
Tot Ion: 84 Resp: 22104
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 0.0 75.3 112.9#



#32
1,1,1-Trichloroethane
Concen: 0.361 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion: 97 Resp: 80293
Ion Ratio Lower Upper
97 100
99 74.9 51.4 77.0
61 45.7 40.6 60.8

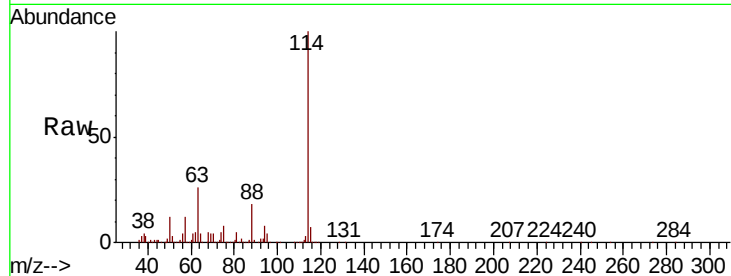




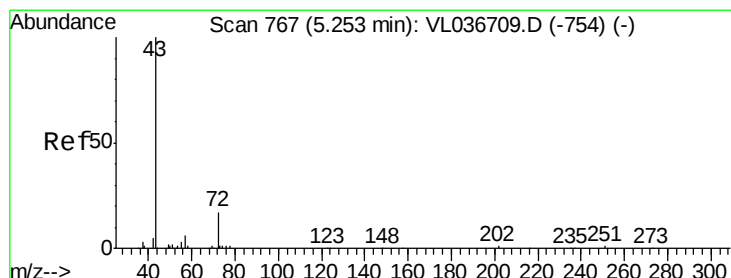
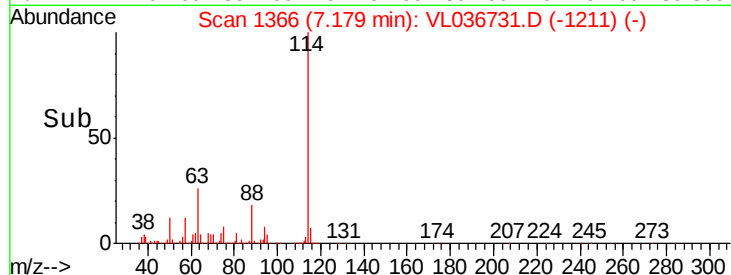
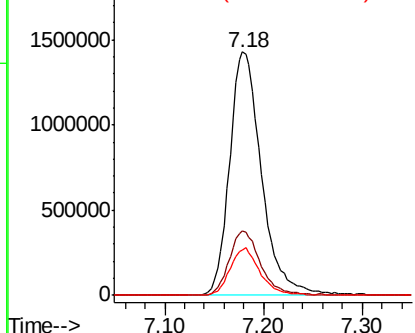
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04DUP

Tot Ion:114 Resp: 3227501
 Ion Ratio Lower Upper
 114 100
 63 26.2 22.4 33.6
 88 18.5 15.4 23.0

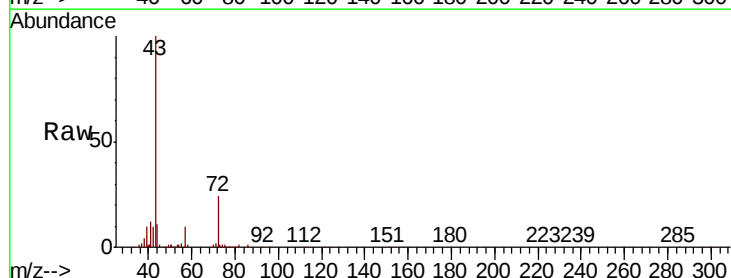


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

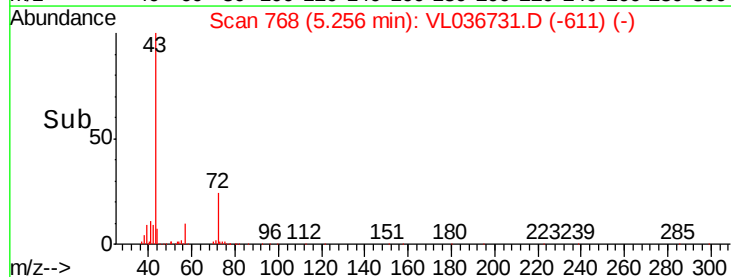
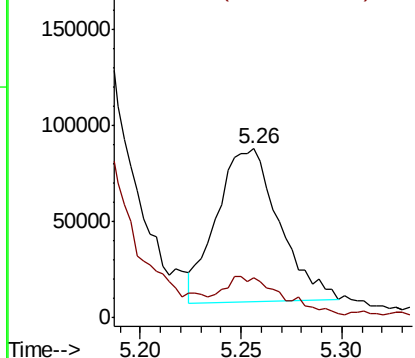


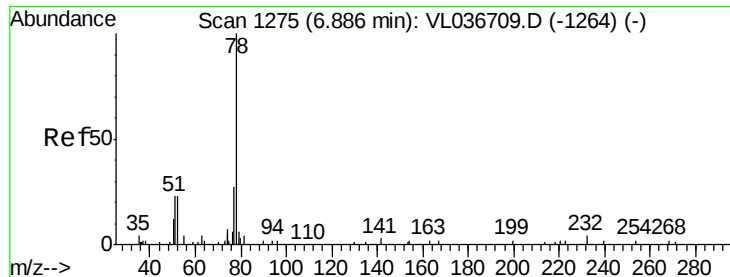
#34
 2-Butanone
 Concen: 1.093 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

Tgt Ion: 43 Resp: 172142
 Ion Ratio Lower Upper
 43 100
 72 32.3 17.0 25.6#



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





#36

Benzene

Concen: 23.582 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

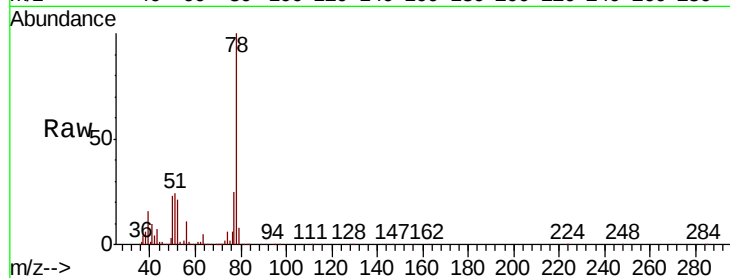
MSVOA_L

ClientSampleId :

FS-SV-04DUP

Tot Ion: 78 Resp: 7019366

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.0	27.0
50	22.6	16.5	24.7

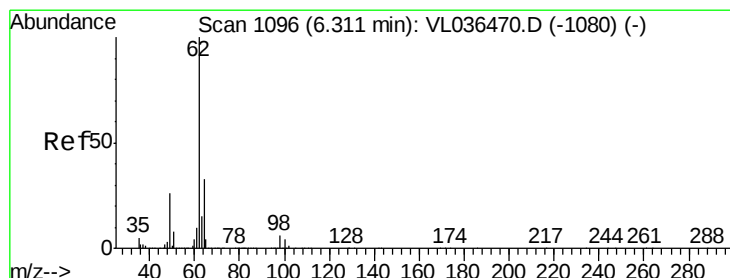
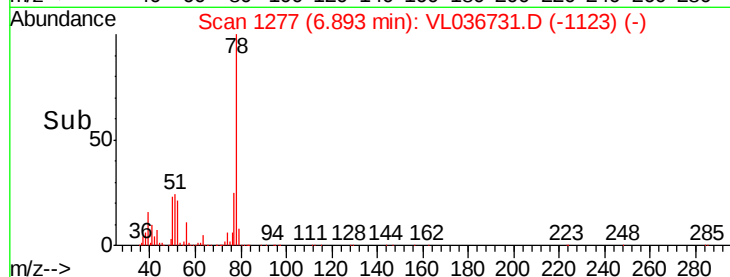
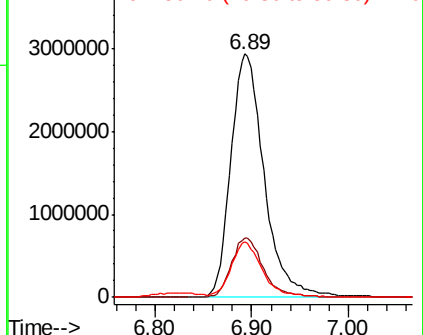


Abundance

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



#37

1,2-Dichloroethane

Concen: 0.289 ppbv

RT: 6.31 min Scan# 1097

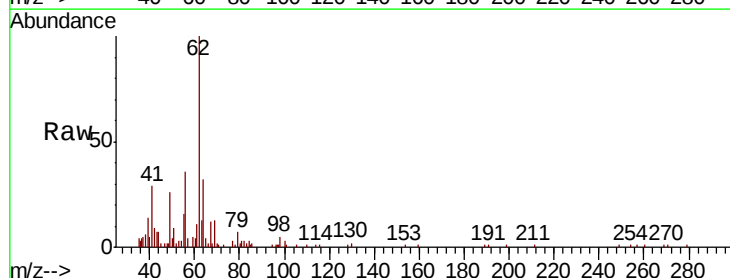
Delta R.T. 0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Tgt Ion: 62 Resp: 50632

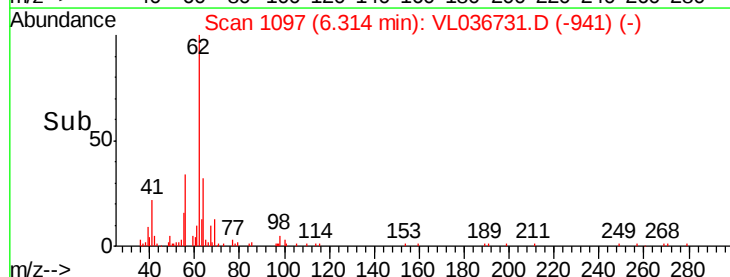
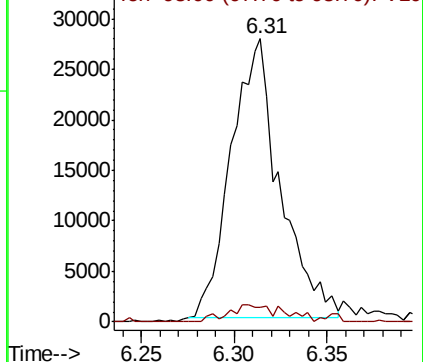
Ion	Ratio	Lower	Upper
62	100		
98	7.8	4.9	7.3

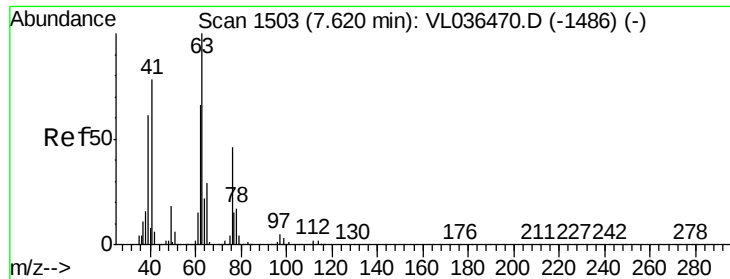


Abundance

Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

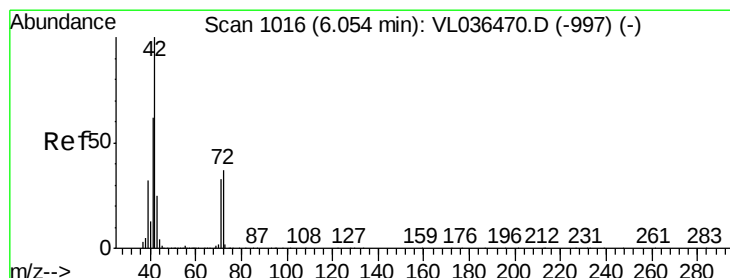
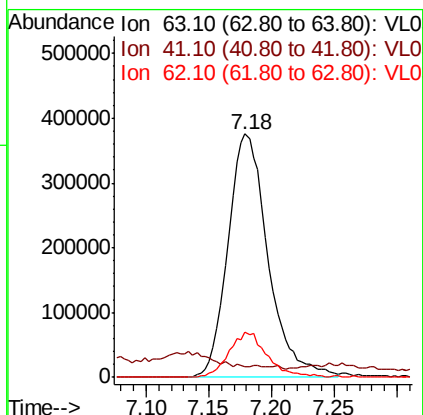
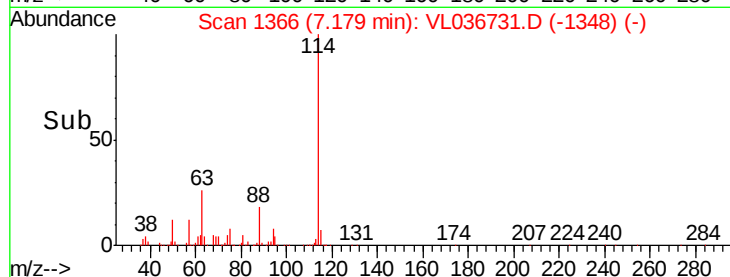
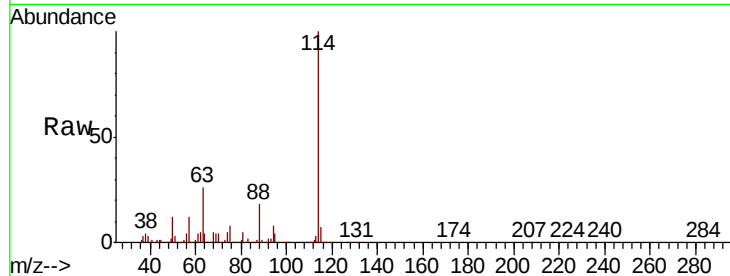




#39
 1,2-Dichloropropane
 Concen: 6.836 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

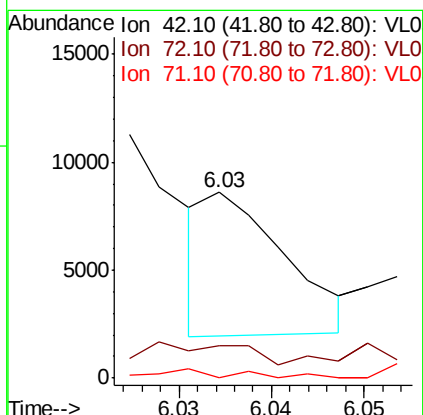
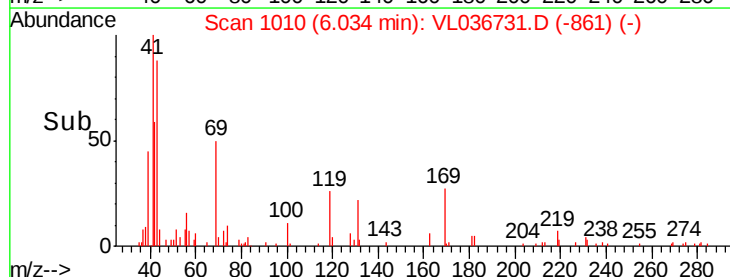
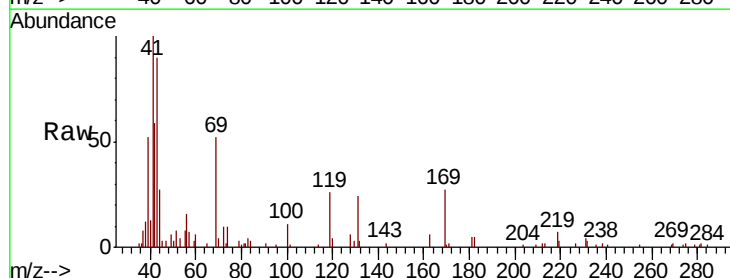
Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04DUP

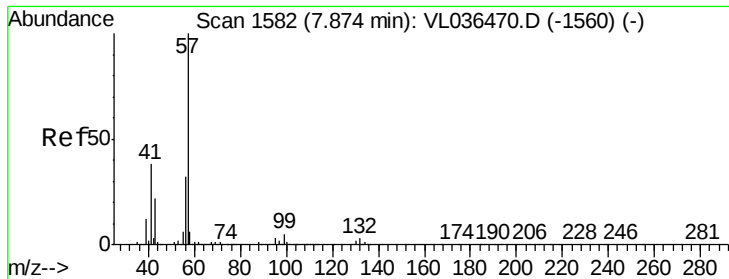
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	18.6	52.8	79.2#



#41
 Tetrahydrofuran
 Concen: 0.054 ppbv
 RT: 6.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

Tgt Ion	Ratio	Lower	Upper
42	100		
72	69.6	27.6	41.4#
71	53.1	27.0	40.4#





#44

2,2,4-Trimethylpentane

Concen: 0.095 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

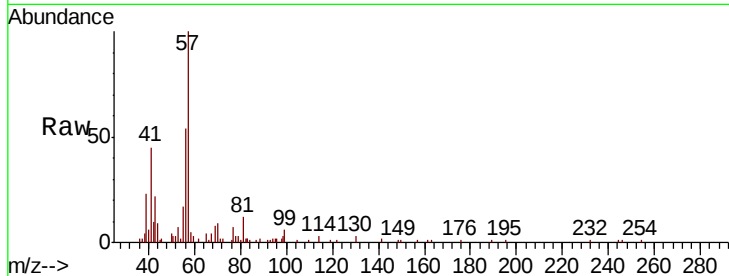
Tot Ion: 57 Resp: 49813

Ion Ratio Lower Upper

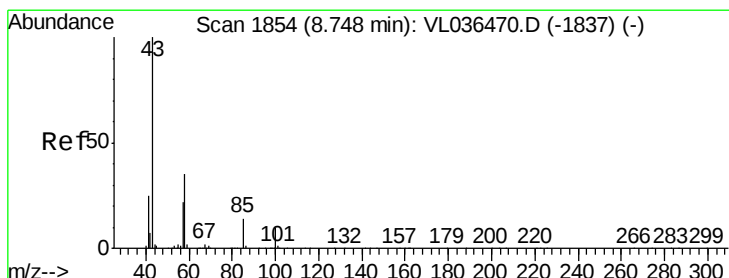
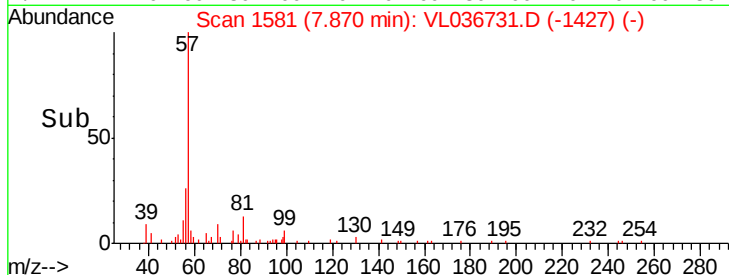
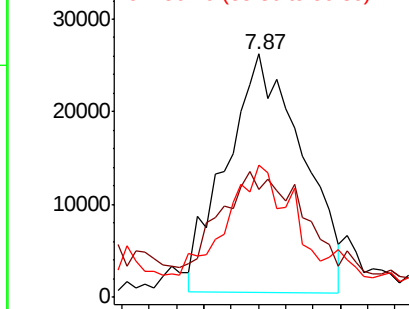
57 100

41 54.3 28.8 43.2#

56 65.7 26.1 39.1#



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



#50

4-Methyl-2-Pentanone

Concen: 0.040 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL036731.D

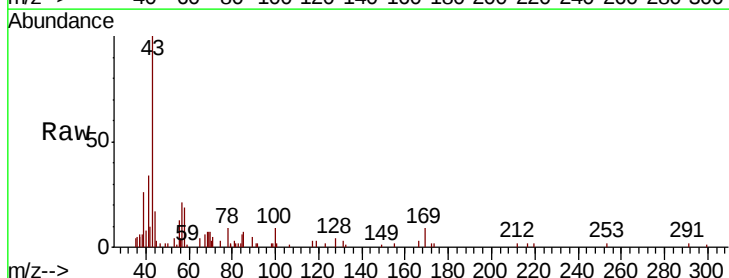
Acq: 7 Apr 2021 18:04

Tgt Ion: 43 Resp: 9175

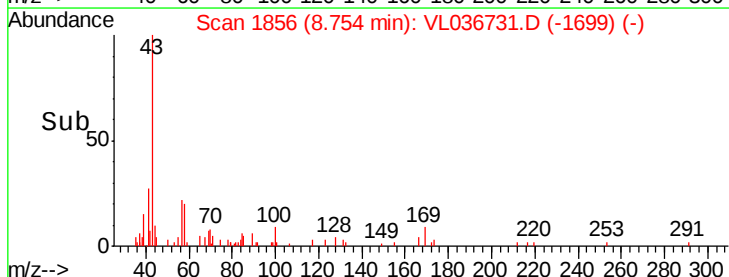
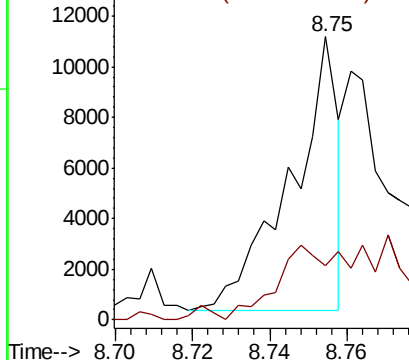
Ion Ratio Lower Upper

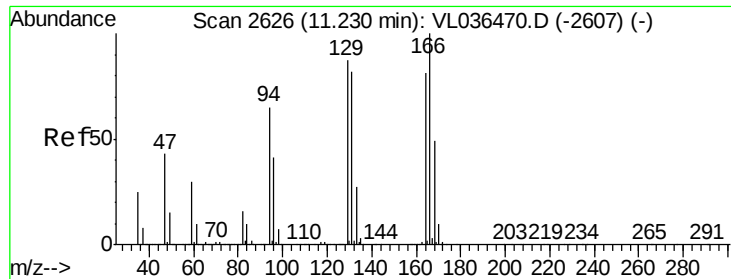
43 100

58 0.0 28.2 42.2#



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





#52

Tetrachloroethene

Concen: 21.707 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

Tot Ion:164 Resp: 2379331

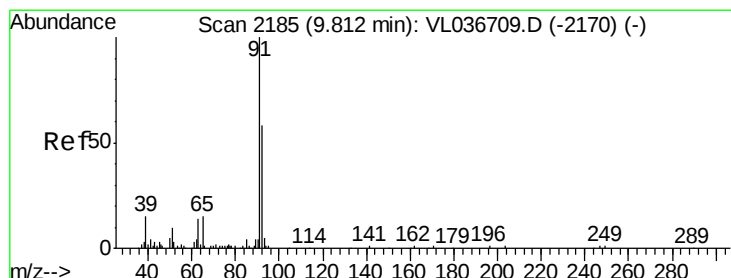
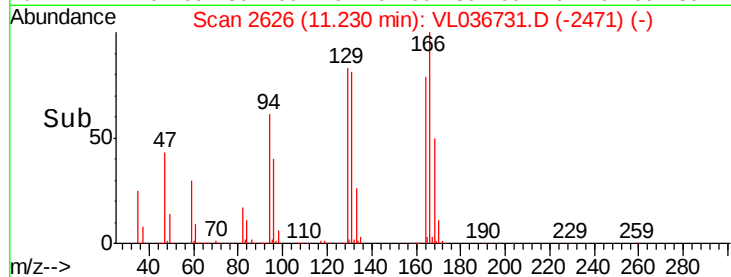
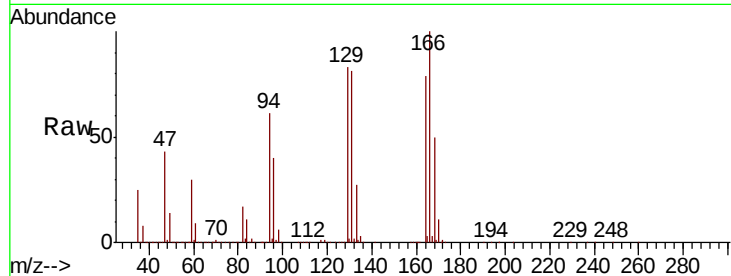
Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.3	147.5
129	105.3	85.8	128.8
131	103.6	80.9	121.3

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: 9.419 ppbv

RT: 9.81 min Scan# 2184

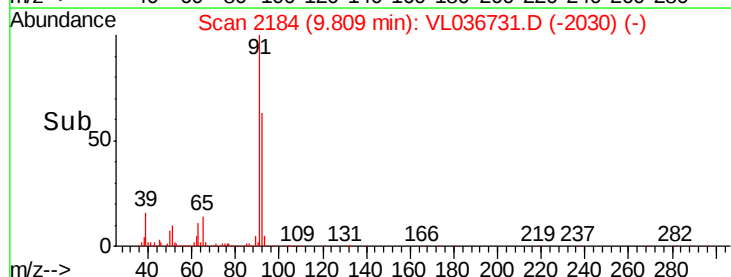
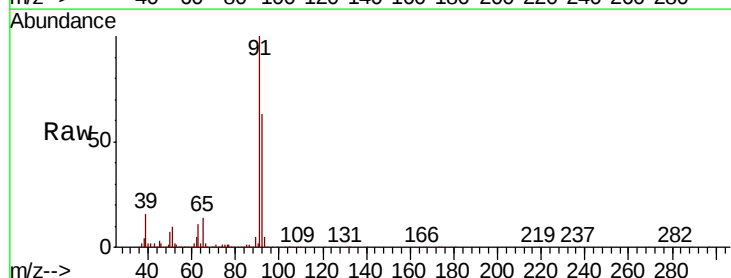
Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

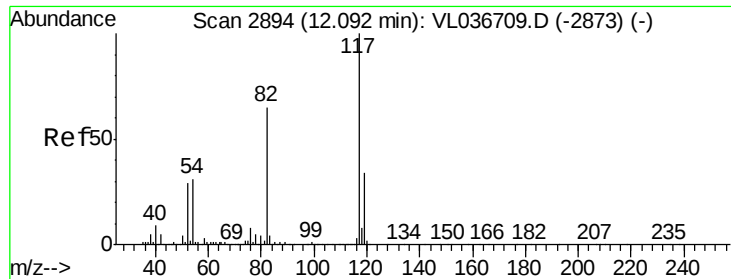
Tgt Ion: 91 Resp: 2985818

Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.8	73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

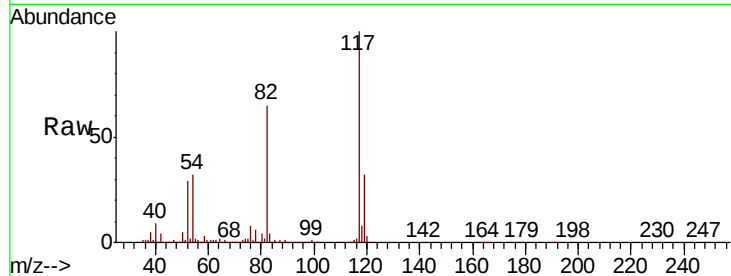
Ion 92.10 (91.80 to 92.80): VL0



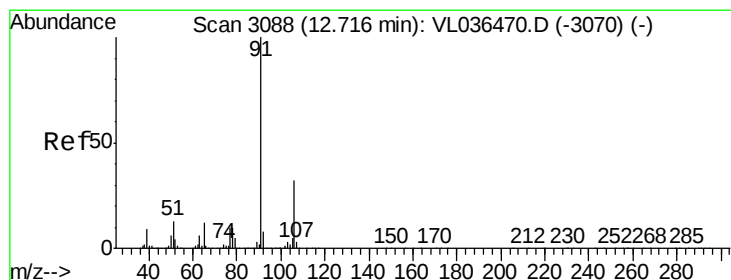
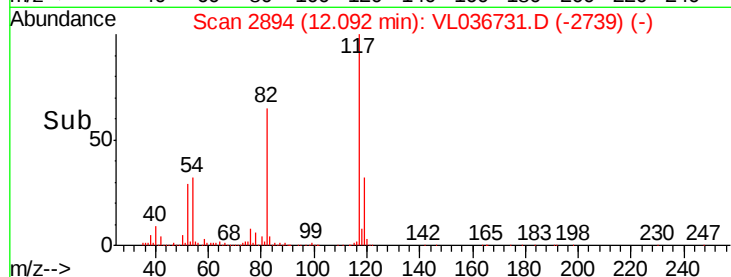
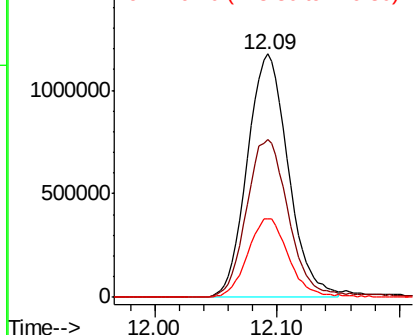
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

Tot Ion:117 Resp: 2730176
Ion Ratio Lower Upper
117 100
82 68.3 57.4 86.0
119 32.8 47.4 71.0#

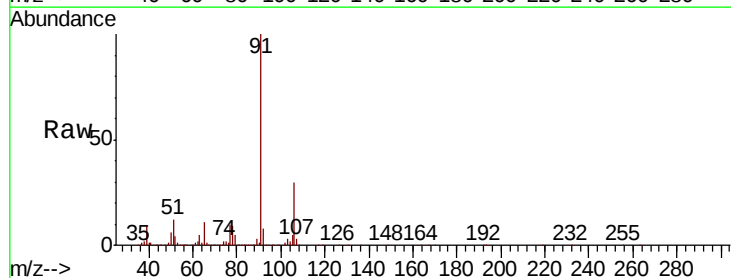


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

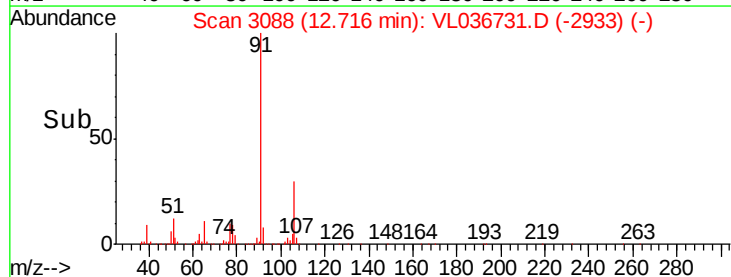
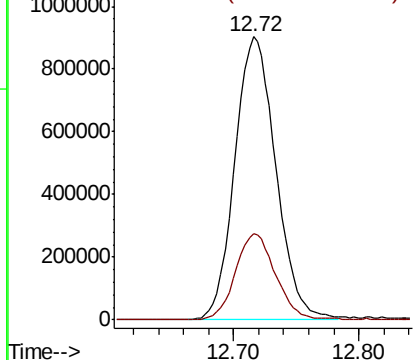


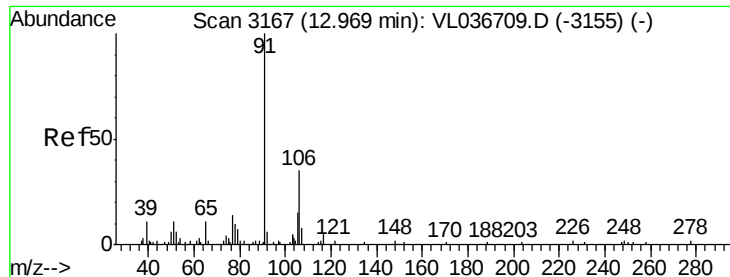
#58
Ethyl Benzene
Concen: 5.159 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion: 91 Resp: 2049190
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9



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

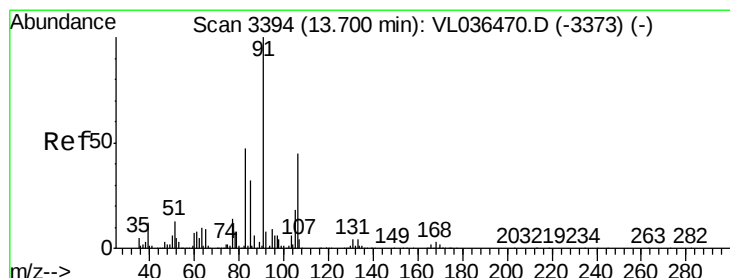
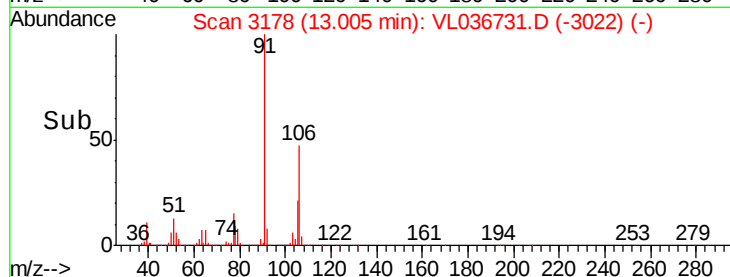
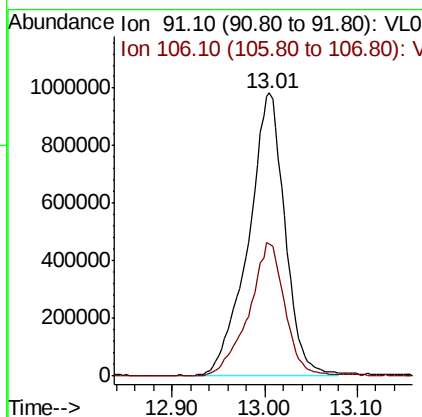
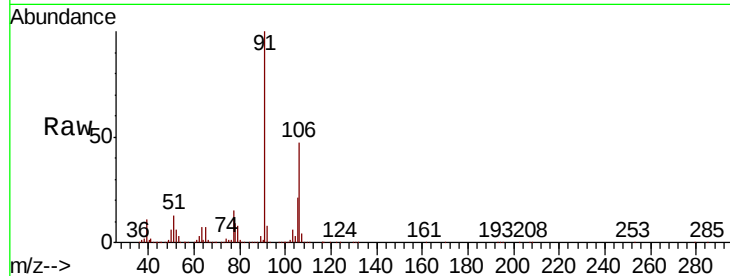




#59
m/p-Xylene
Concen: 7.757 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

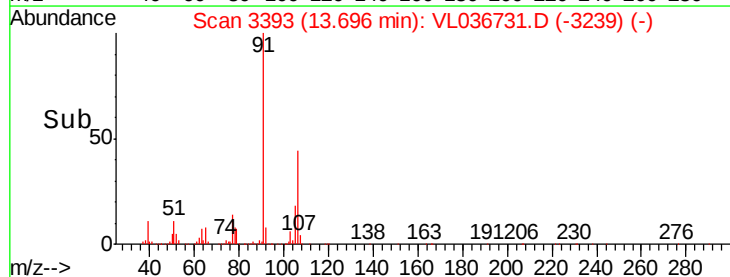
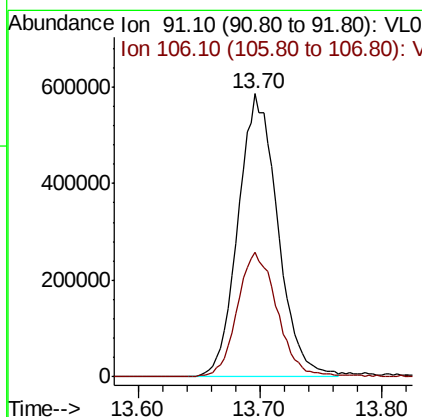
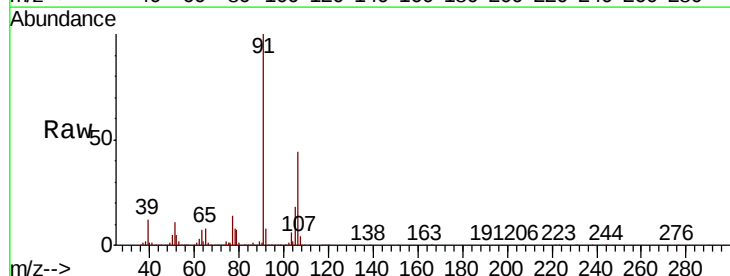
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

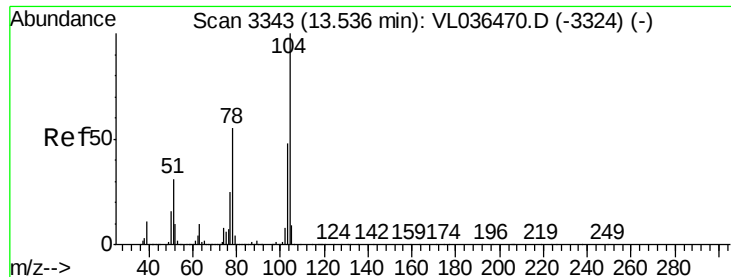
Tot Ion: 91 Resp: 2687565
Ion Ratio Lower Upper
91 100
106 46.8 35.3 52.9



#60
o-Xylene
Concen: 3.906 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion: 91 Resp: 1308497
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





#61

Stvrene

Concen: 0.057 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

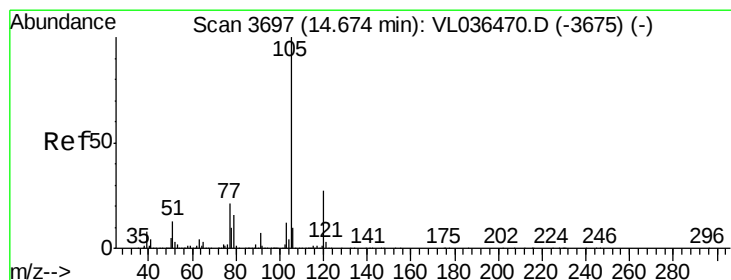
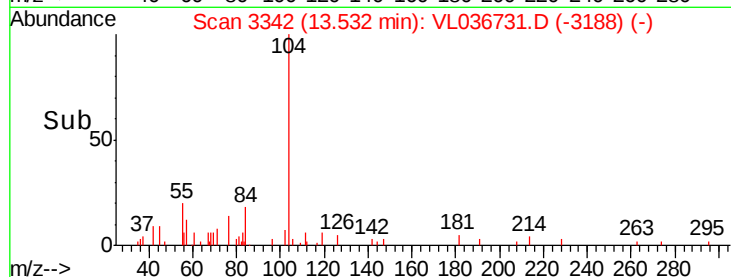
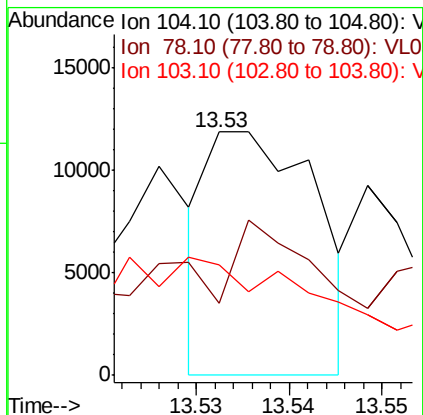
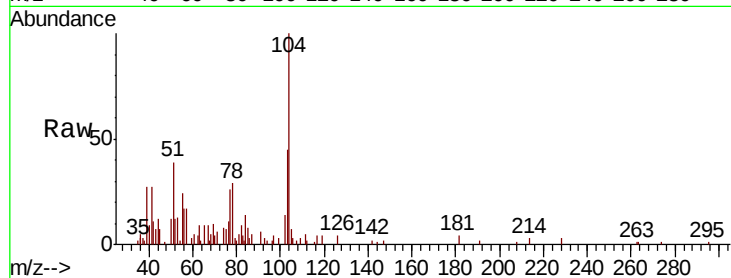
Tot Ion:104 Resp: 9680

Ion Ratio Lower Upper

104 100

78 181.1 43.8 65.8#

103 0.0 38.3 57.5#



#62

Isopropylbenzene

Concen: 0.063 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL036731.D

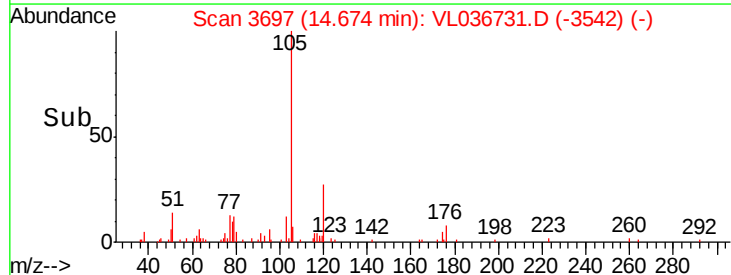
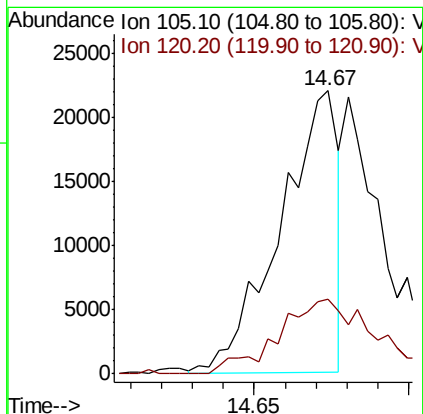
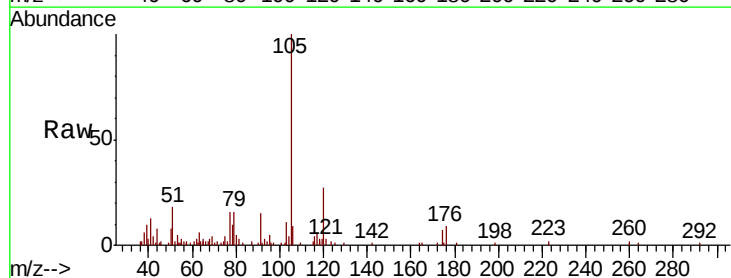
Acq: 7 Apr 2021 18:04

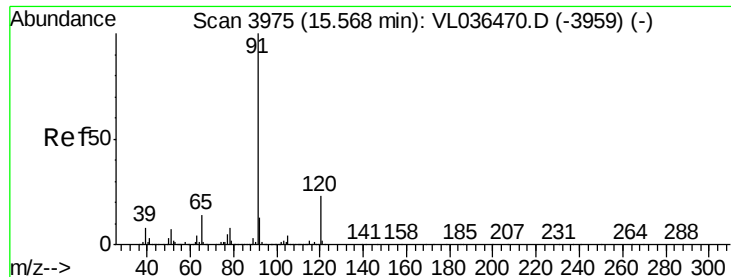
Tgt Ion:105 Resp: 28503

Ion Ratio Lower Upper

105 100

120 46.0 20.6 31.0#





#64

n-propylbenzene

Concen: 0.108 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

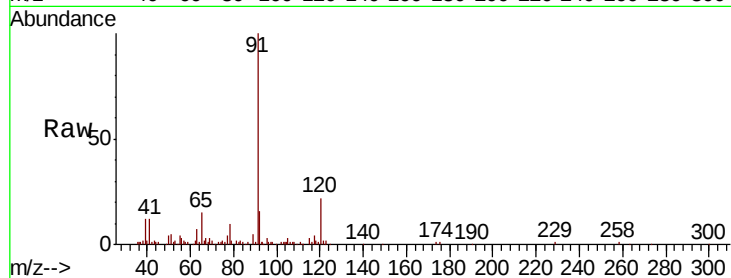
FS-SV-04DUP

Tot Ion:120 Resp: 11931

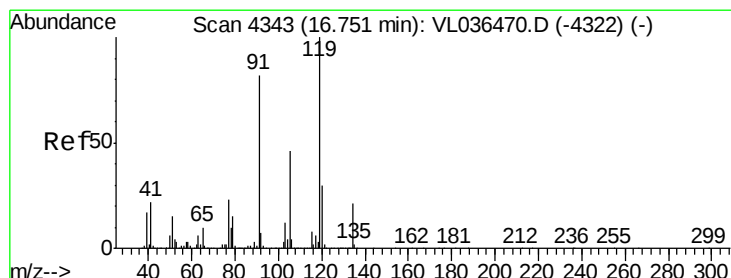
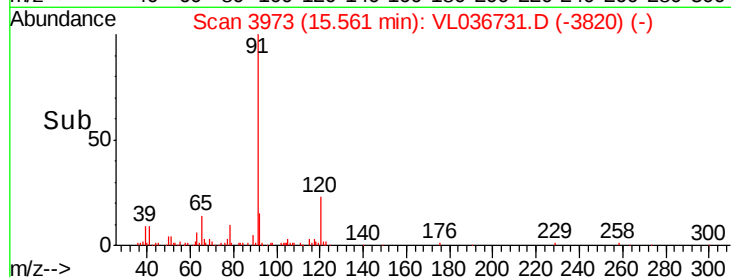
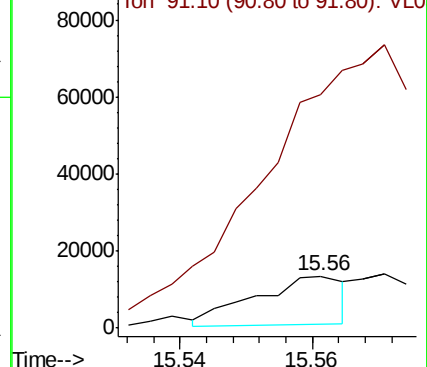
Ion Ratio Lower Upper

120 100

91 1377.1 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 0.238 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

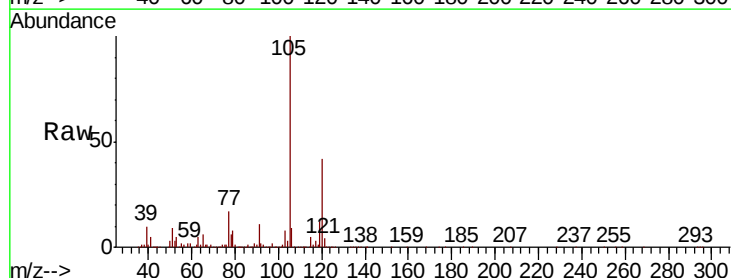
Tgt Ion:119 Resp: 92976

Ion Ratio Lower Upper

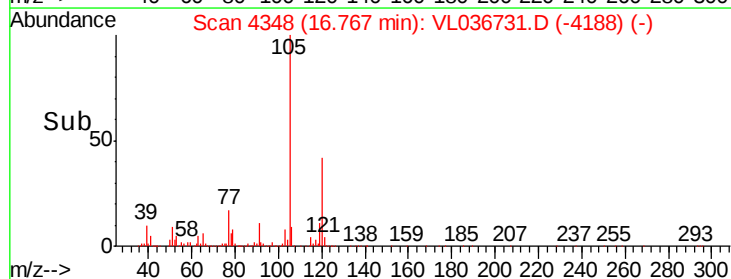
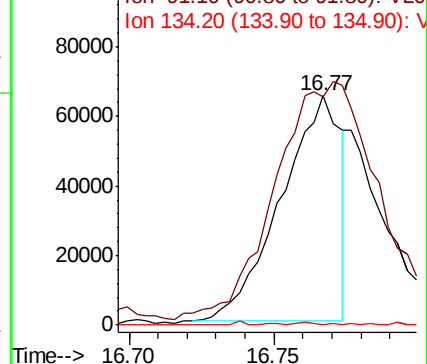
119 100

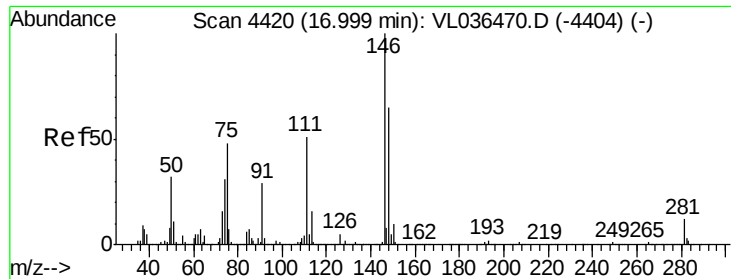
91 195.9 67.5 101.3#

134 1.8 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

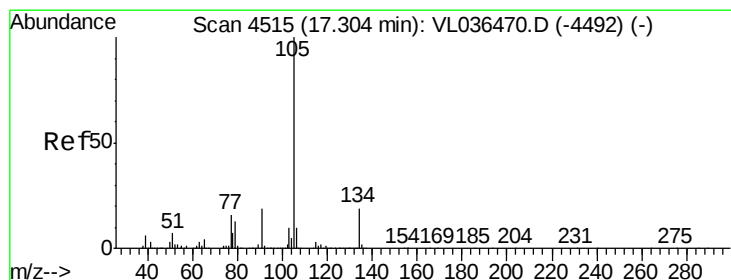
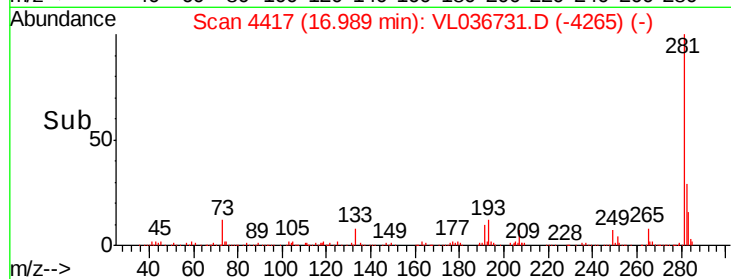
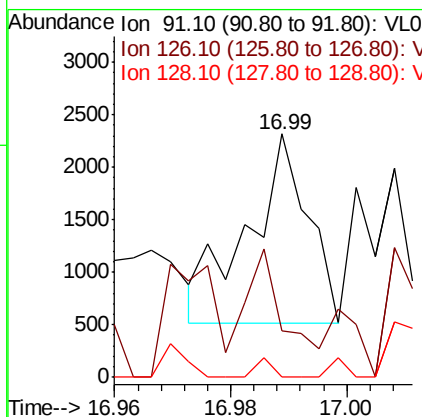
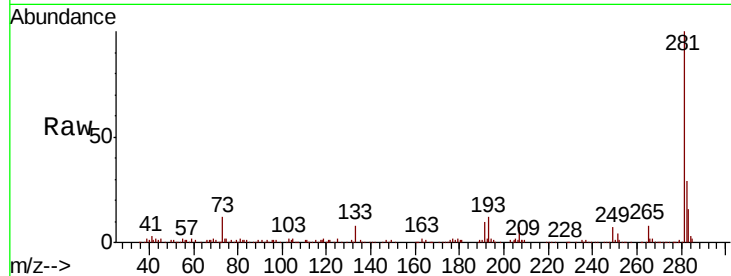




#66
Benzyl Chloride
Concen: 0.030 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

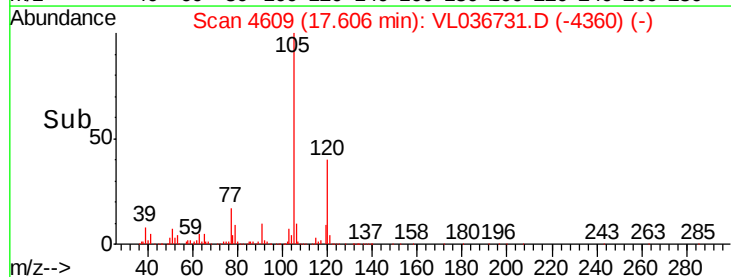
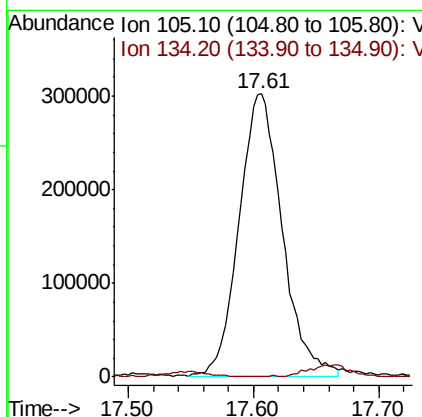
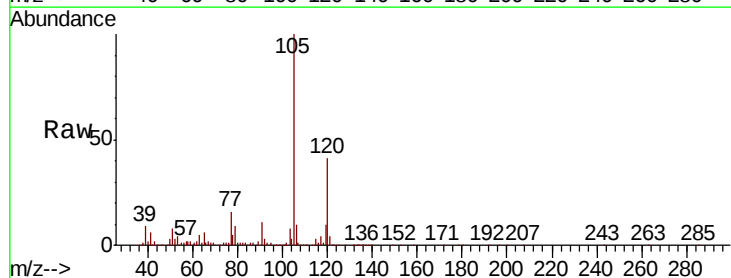
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

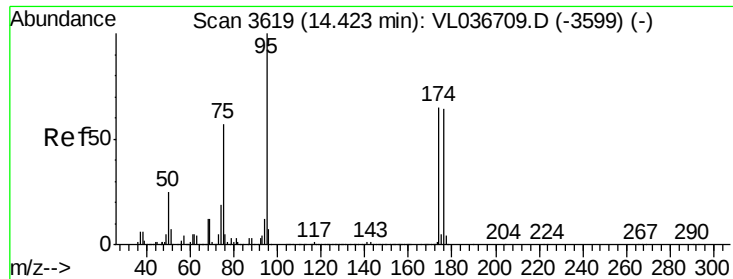
Tot Ion: 91 Resp: 1301
Ion Ratio Lower Upper
91 100
126 68.4 13.5 20.3#
128 11.1 4.2 6.4#



#67
sec-Butylbenzene
Concen: 1.299 ppbv
RT: 17.61 min Scan# 4609
Delta R.T. 0.30 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion: 105 Resp: 716995
Ion Ratio Lower Upper
105 100
134 4.3 14.7 22.1#

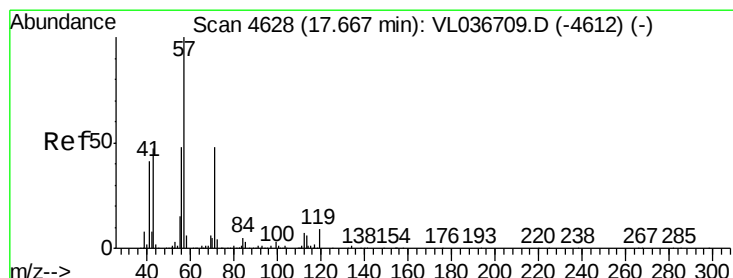
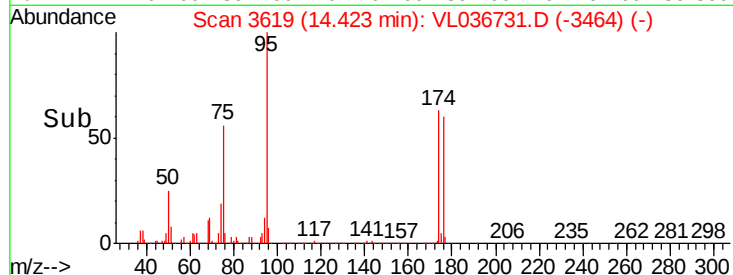
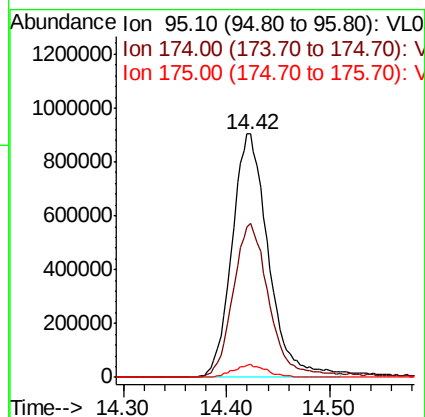
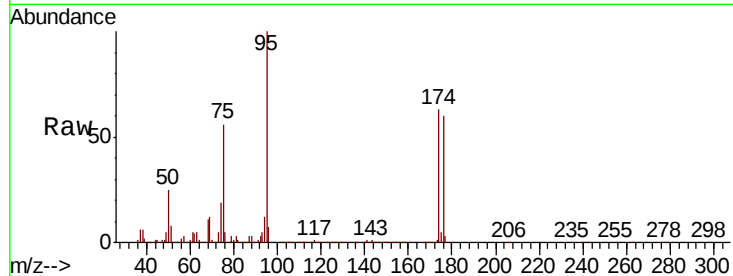




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.185 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

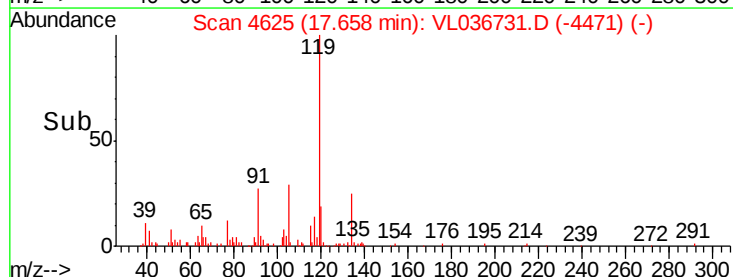
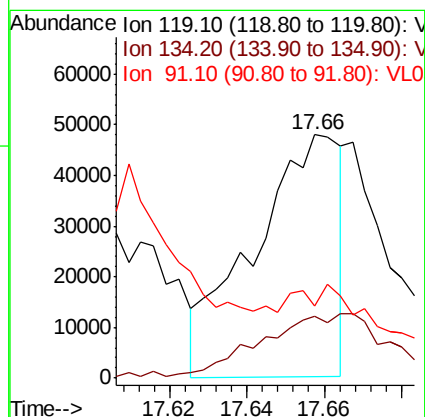
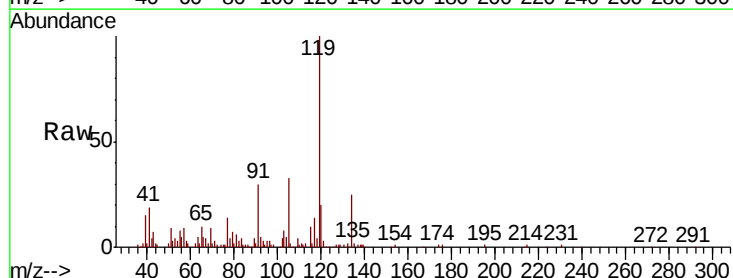
Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV-04DUP

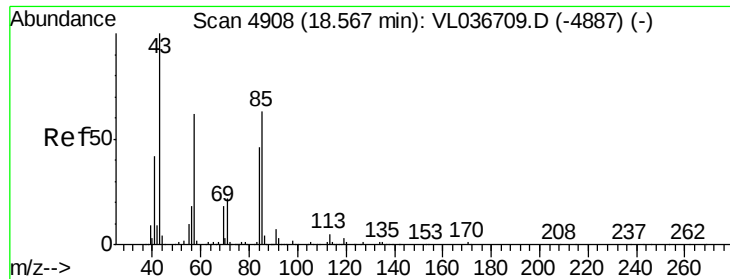
Tot Ion: 95 Resp: 2216281
 Ion Ratio Lower Upper
 95 100
 174 64.5 51.0 76.6
 175 5.1 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 0.174 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.00 min
 Lab File: VL036731.D
 Acq: 7 Apr 2021 18:04

Tgt Ion: 119 Resp: 74951
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.6 30.8#
 91 0.0 25.0 37.6#

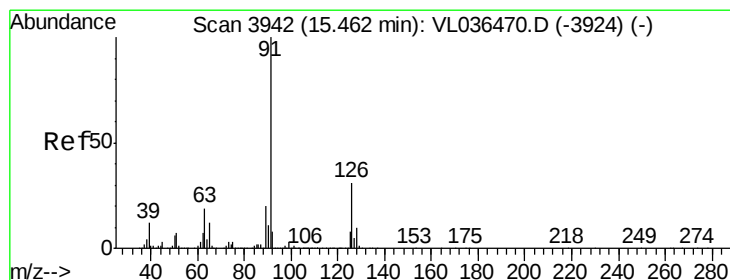
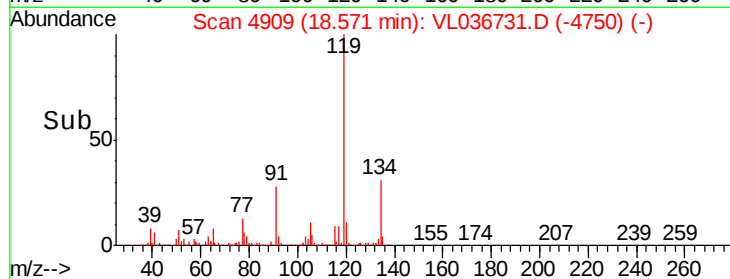
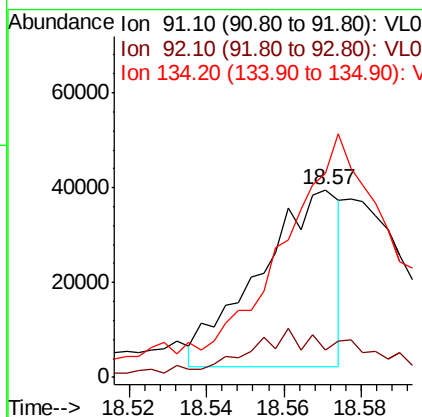
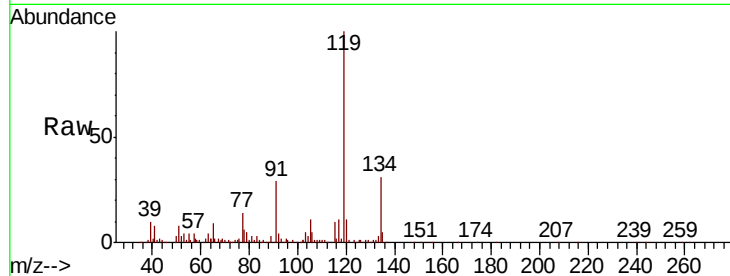




#70
n-Butylbenzene
Concen: 0.120 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. 0.01 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

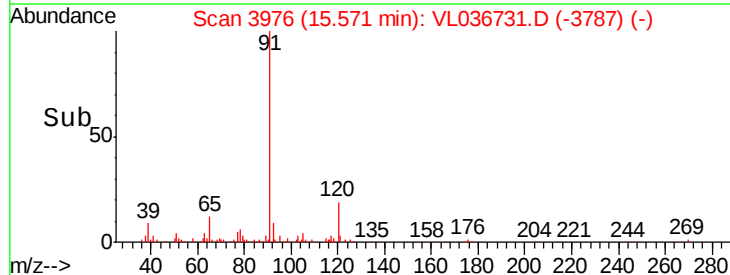
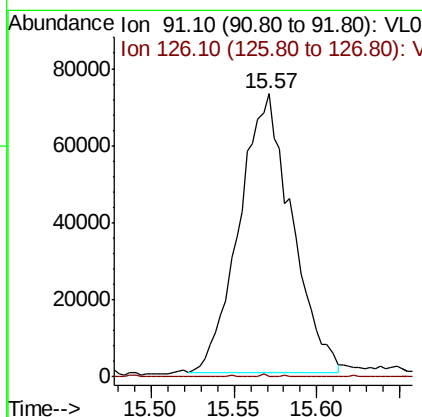
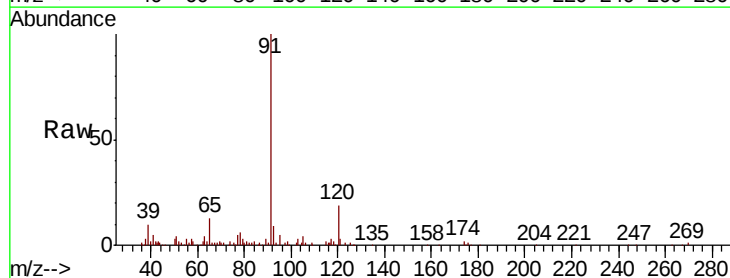
Instrument :
MSVOA_L
ClientSampleId :
FS-SV-04DUP

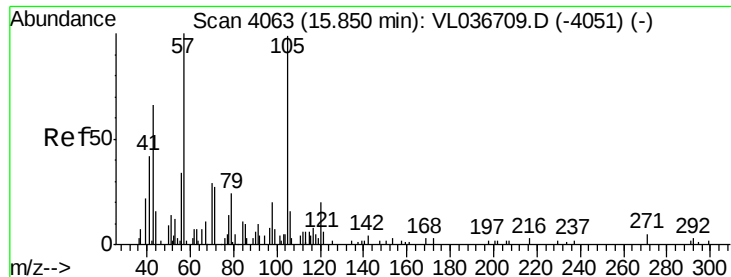
Tot Ion: 91 Resp: 53466
Ion Ratio Lower Upper
91 100
92 50.0 43.8 65.8
134 0.0 18.0 27.0#



#71
2-Chlorotoluene
Concen: 0.470 ppbv
RT: 15.57 min Scan# 3976
Delta R.T. 0.11 min
Lab File: VL036731.D
Acq: 7 Apr 2021 18:04

Tgt Ion: 91 Resp: 158842
Ion Ratio Lower Upper
91 100
126 0.2 12.1 48.5#





#72

4-Ethyltoluene

Concen: 0.757 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

Tot Ion:105 Resp: 277830

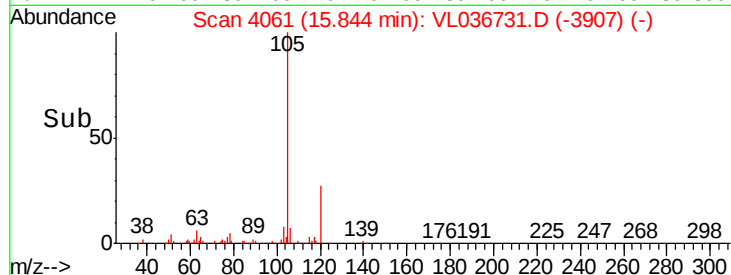
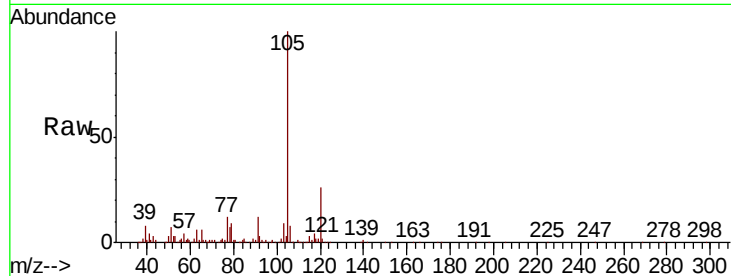
Ion Ratio Lower Upper

105 100

120 29.5 24.0 36.0

91 15.2 11.0 16.4

77 13.9 11.7 17.5

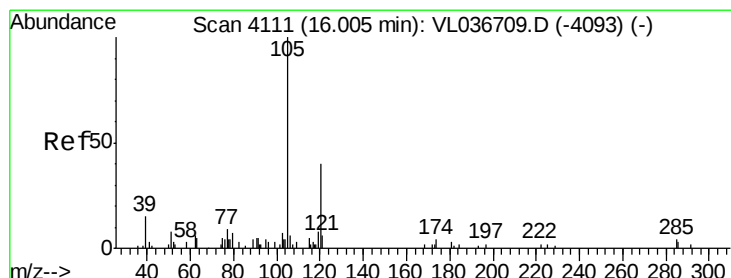
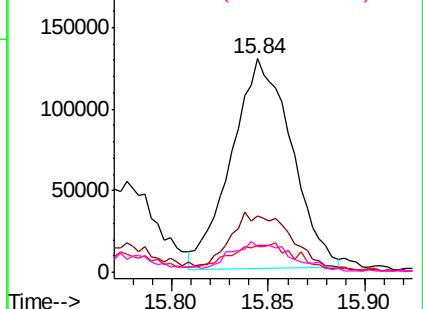


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.544 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL036731.D

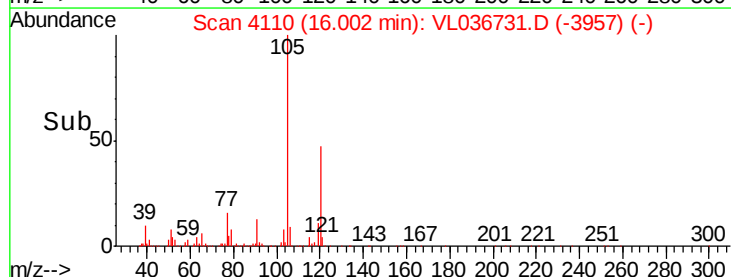
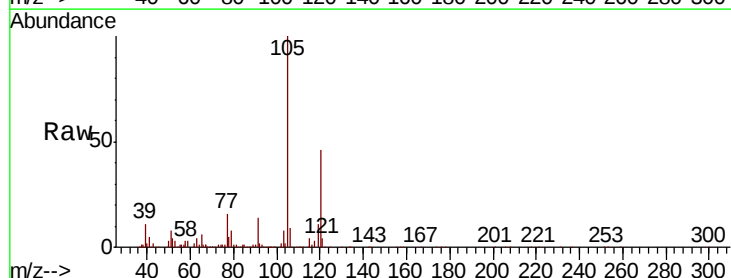
Acq: 7 Apr 2021 18:04

Tgt Ion:105 Resp: 529103

Ion Ratio Lower Upper

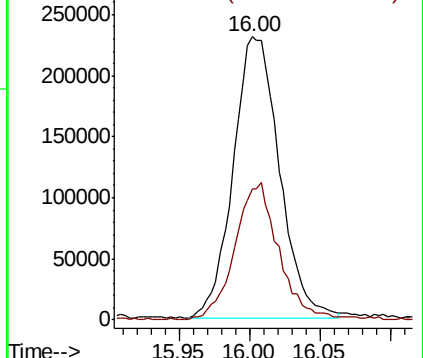
105 100

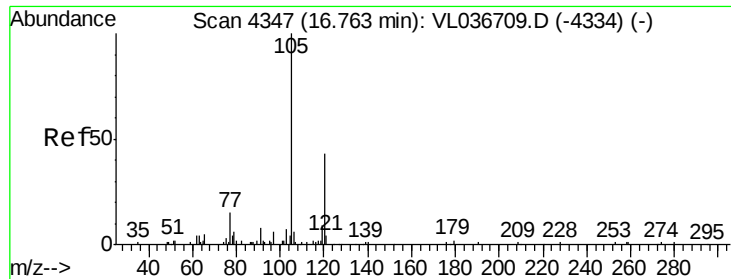
120 46.3 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 3.705 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

Tot Ion:105 Resp: 1358453

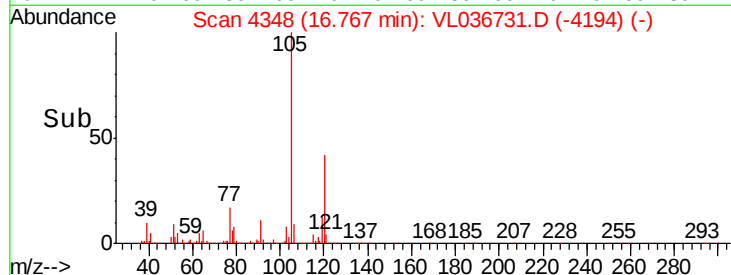
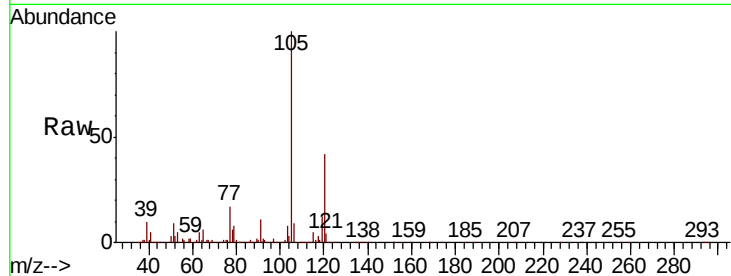
Ion Ratio Lower Upper

105 100

120 42.5 39.2 58.8

91 11.1 42.6 64.0#

77 16.8 18.6 28.0#

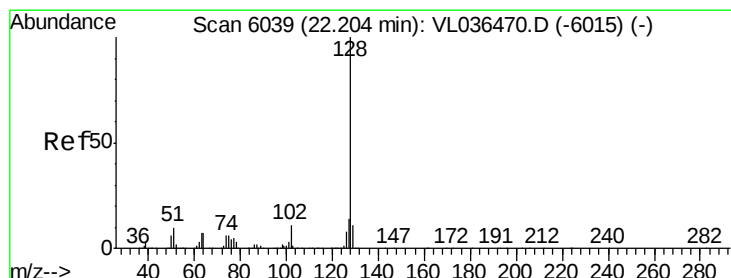
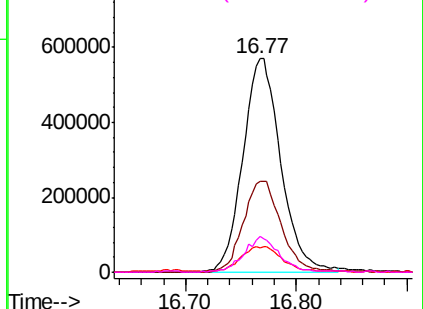


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 2.184 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.01 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

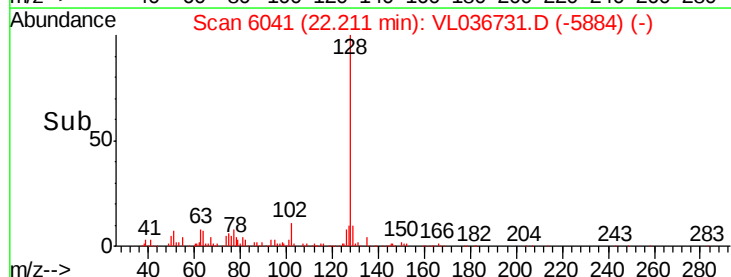
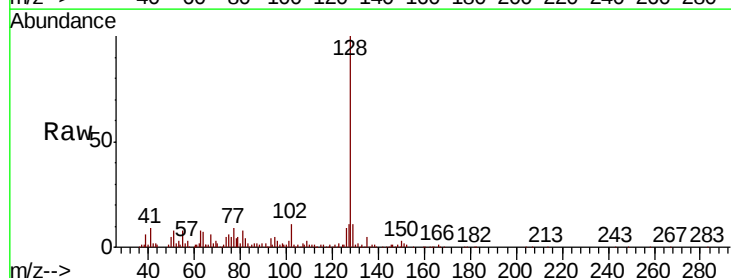
Tgt Ion:128 Resp: 467300

Ion Ratio Lower Upper

128 100

127 10.4 10.9 16.3#

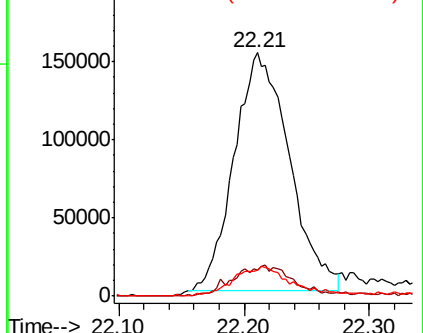
129 10.5 9.0 13.4

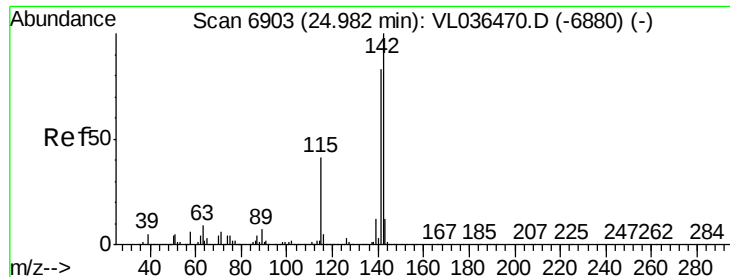


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.129 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. 0.00 min

Lab File: VL036731.D

Acq: 7 Apr 2021 18:04

Instrument :

MSVOA_L

ClientSampleId :

FS-SV-04DUP

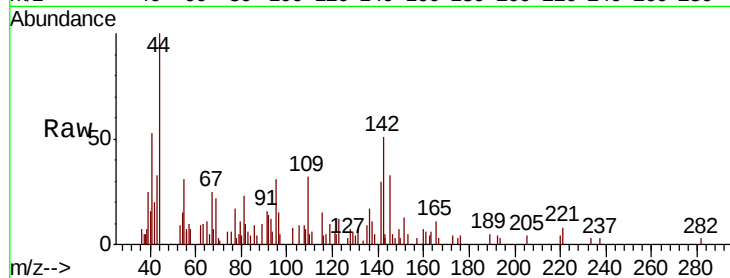
Tot Ion:142 Resp: 5432

Ion Ratio Lower Upper

142 100

141 67.7 67.8 101.8#

115 90.2 34.0 51.0#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

