

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037029.D
 Acq On : 20 May 2021 18:32
 Operator : SY/AP
 Sample : M2424-03 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-02

Quant Time: May 21 01:17:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1203292	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3425916	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3115059	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2390514	10.22	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	16720	0.082	ppbv	93
3) Chlorodifluoromethane	2.97	51	51328	0.233	ppbv #	86
4) Chloromethane	3.11	50	7403	0.099	ppbv	97
9) Propene	2.98	41	408646	5.177	ppbv	98
10) Heptane	8.09	43	107252	0.545	ppbv	99
11) Trichlorofluoromethane	3.92	101	21081	0.112	ppbv	94
13) Ethanol	3.58	45	611708	58.080	ppbv	94
15) Acetone	3.82	43	19065531	154.690	ppbv #	83
16) 1,3-Butadiene	3.28	39	1310986	17.121	ppbv #	16
17) tert-Butyl alcohol	4.27	59	330034	2.923	ppbv #	94
19) Isopropyl Alcohol	3.94	45	397735	6.003	ppbv #	30
20) Methylene Chloride	4.32	84	140822	2.132	ppbv	97
23) Vinyl Acetate	5.03	43	61573	0.315	ppbv #	79
25) Ethyl Acetate	5.64	43	200109	0.676	ppbv #	65
26) Hexane	5.65	57	283517	1.874	ppbv #	14
27) Carbon Disulfide	4.52	76	9542143	62.578	ppbv	96
29) Chloroform	5.72	83	83313	0.390	ppbv	86
30) Cyclohexane	7.09	84	27879	0.217	ppbv #	64
34) 2-Butanone	5.21	43	1697011	13.604	ppbv	100
36) Benzene	6.86	78	554250	1.878	ppbv	98
39) 1,2-Dichloropropane	7.19	63	11736	0.103	ppbv #	36
41) Tetrahydrofuran	6.27	42	7644	0.108	ppbv #	41
43) Methyl Methacrylate	8.01	69	19137	0.188	ppbv #	1
50) 4-Methyl-2-Pentanone	8.72	43	45234	0.220	ppbv #	84
51) 2-Hexanone	10.10	43	193752	1.780	ppbv #	92
52) Tetrachloroethene	11.19	164	17486	0.149	ppbv	92
53) Toluene	9.76	91	539805	1.537	ppbv	99
58) Ethyl Benzene	12.67	91	952183	2.166	ppbv	94
59) m/p-Xylene	12.96	91	884715	2.434	ppbv	98
60) o-Xylene	13.65	91	185940	0.536	ppbv #	46
61) Styrene	13.49	104	88887	0.455	ppbv	93
62) Isopropylbenzene	14.63	105	78258	0.157	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	125728	0.486	ppbv #	27
64) n-propylbenzene	15.53	120	37440	0.291	ppbv	67
65) tert-Butylbenzene	16.73	119	22891	0.051	ppbv #	1
66) Benzyl Chloride	16.93	91	801	0.032	ppbv #	62
72) 4-Ethyltoluene	15.80	105	71450	0.174	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.96	105	168949	0.437	ppbv	90
74) 1,2,4-Trimethylbenzene	16.73	105	177793	0.445	ppbv #	67

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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

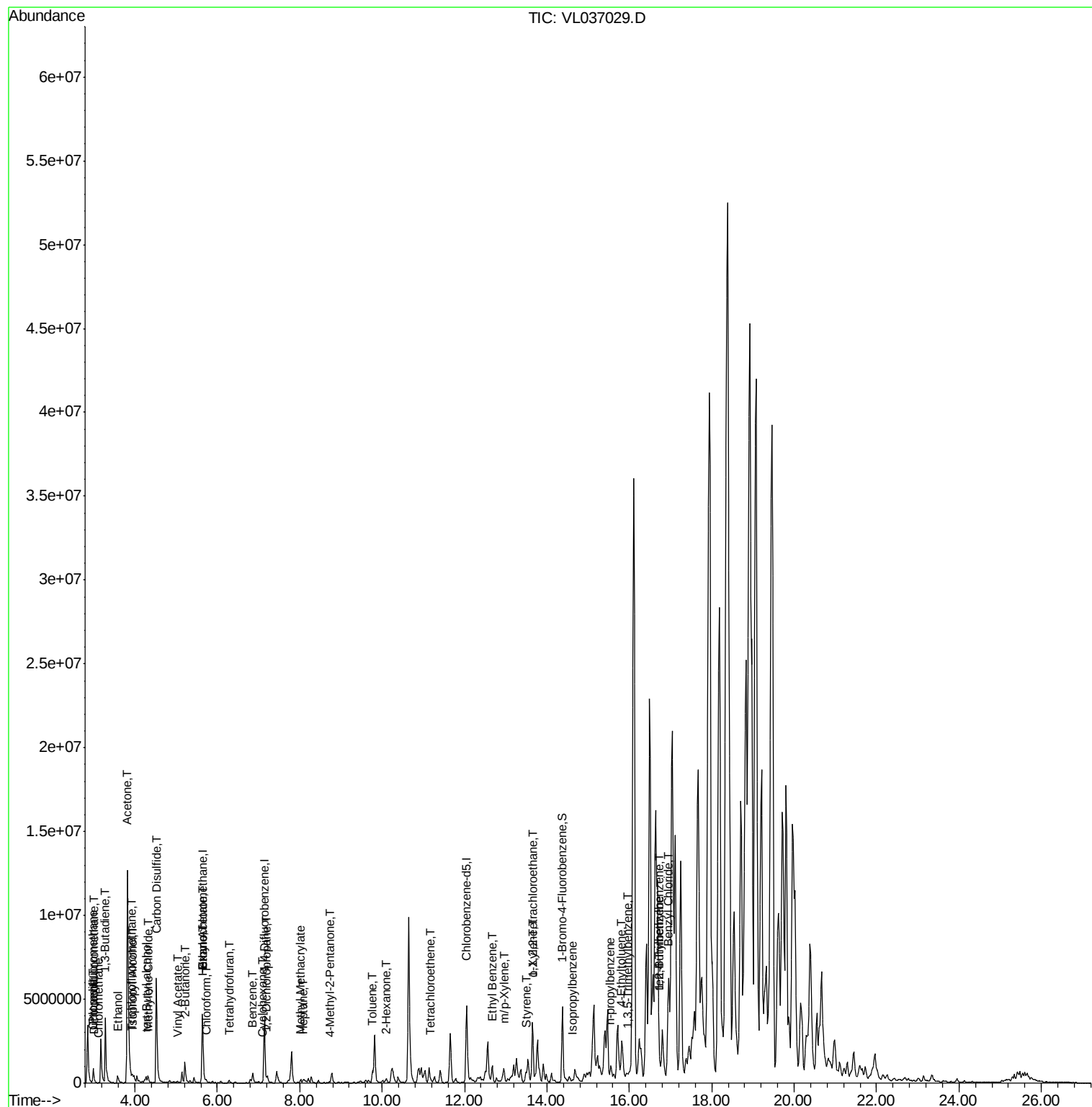
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

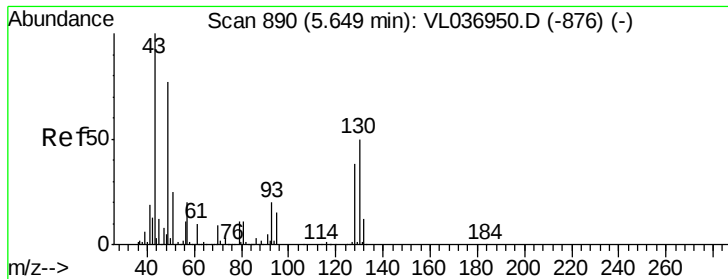
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

KSV-02

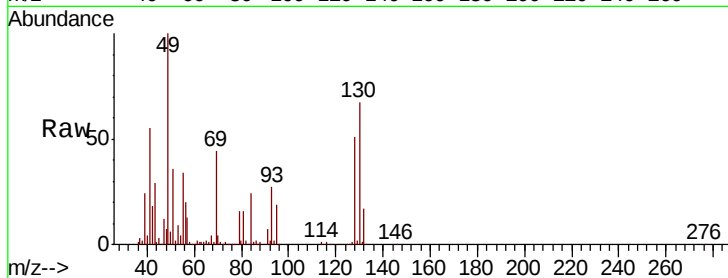
Tot Ion: 49 Resp: 1203292

Ion Ratio Lower Upper

49 100

128 54.4 26.9 80.7

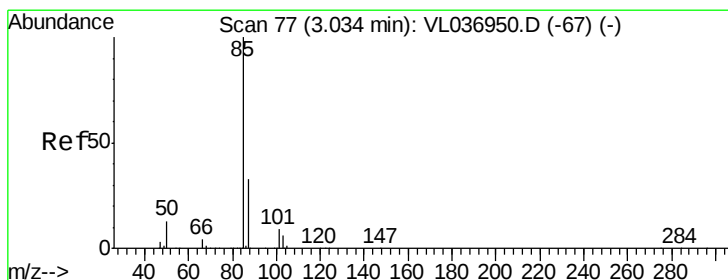
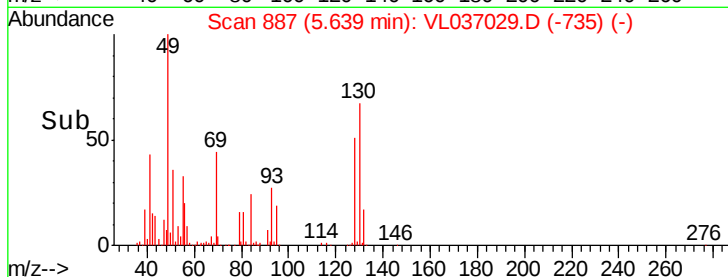
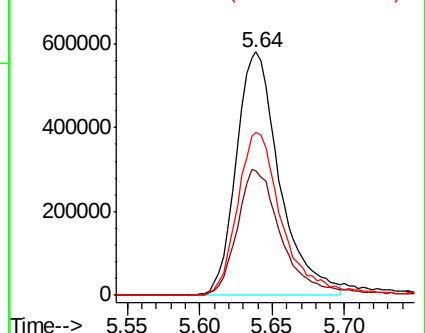
130 70.4 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.082 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL037029.D

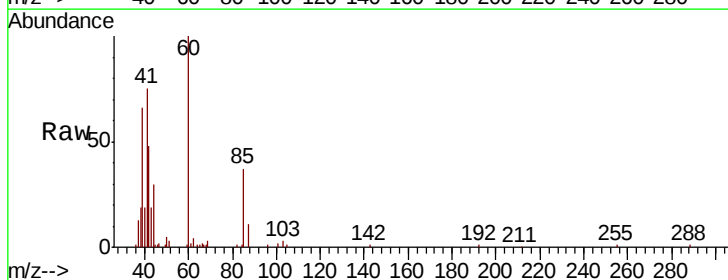
Acq: 20 May 2021 18:32

Tgt Ion: 85 Resp: 16720

Ion Ratio Lower Upper

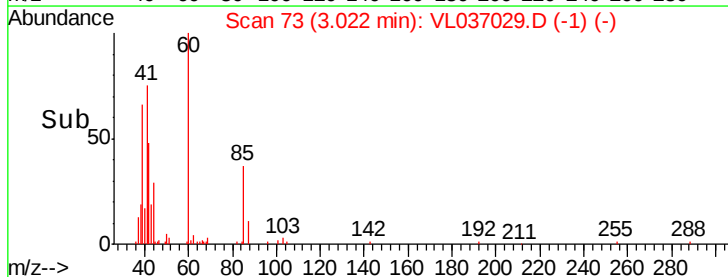
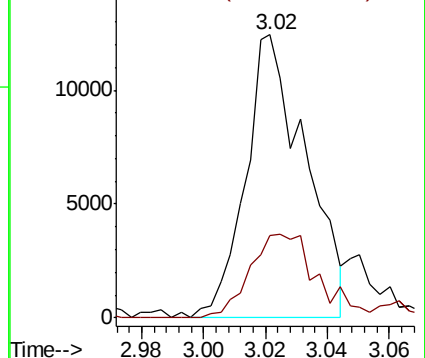
85 100

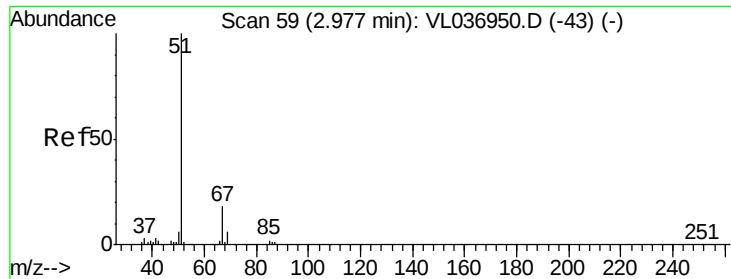
87 29.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.233 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

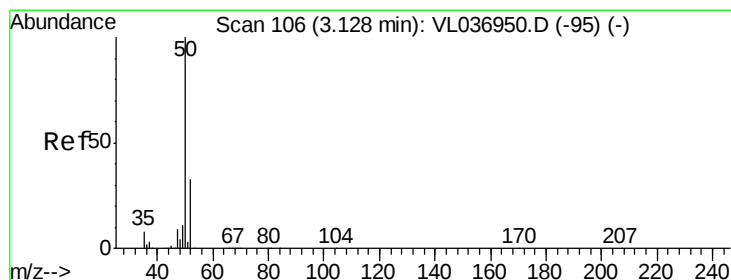
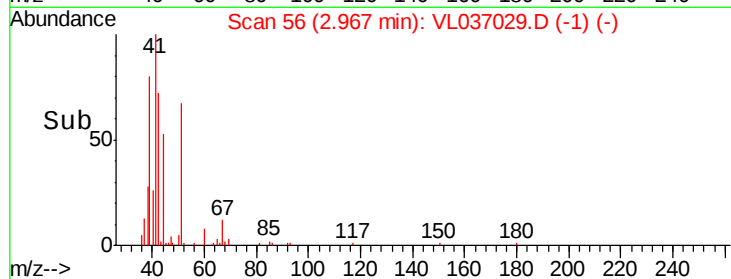
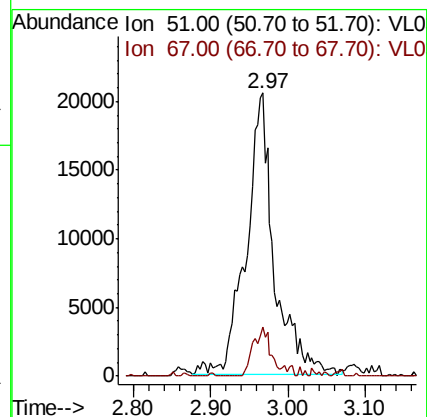
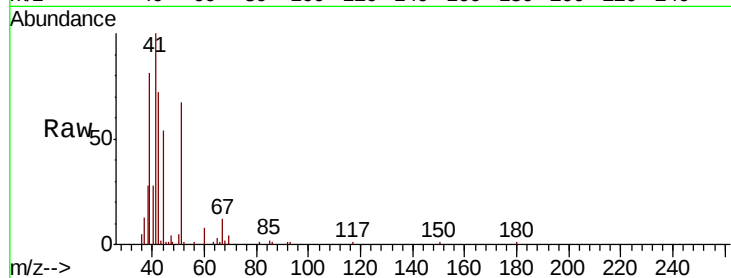
KSV-02

Tot Ion: 51 Resp: 51328

Ion Ratio Lower Upper

51 100

67 11.9 14.6 21.8#



#4

Chloromethane

Concen: 0.099 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL037029.D

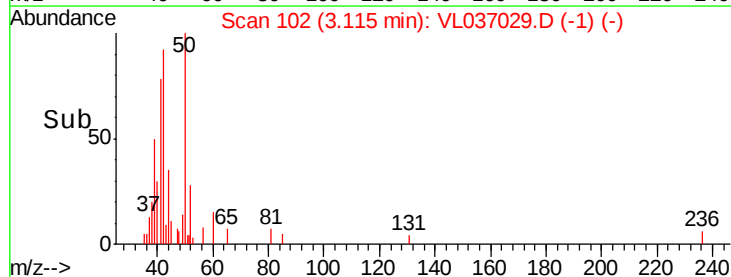
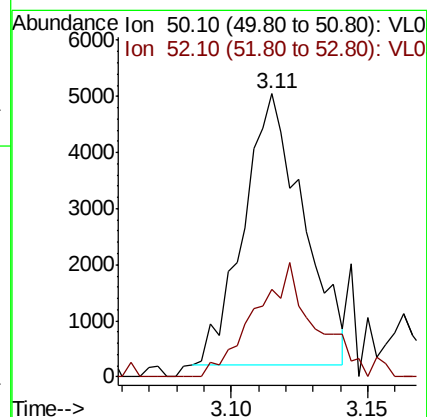
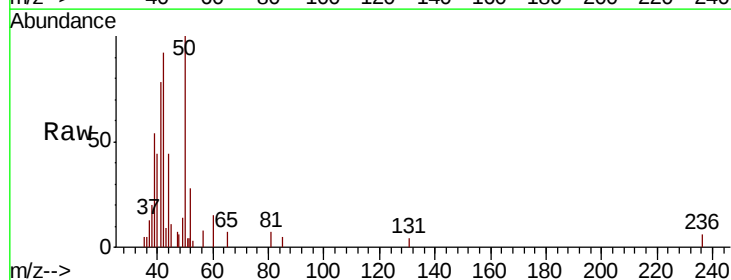
Acq: 20 May 2021 18:32

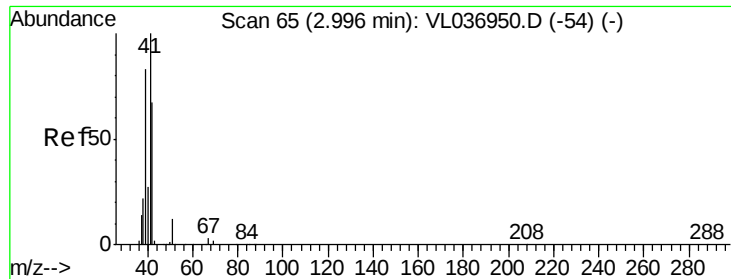
Tgt Ion: 50 Resp: 7403

Ion Ratio Lower Upper

50 100

52 31.1 26.1 39.1





#9

Propene

Concen: 5.177 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

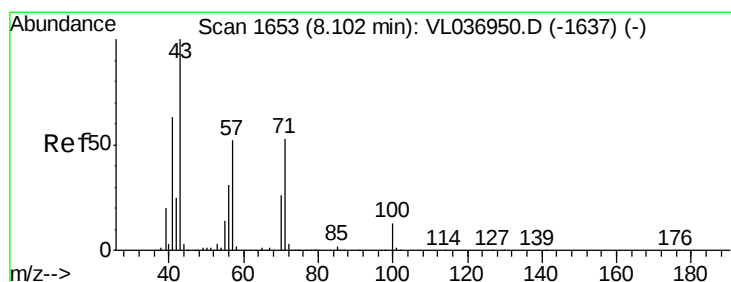
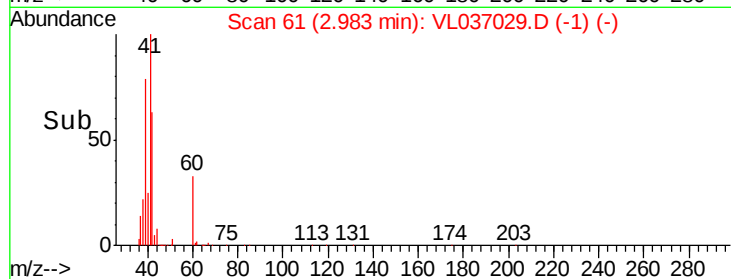
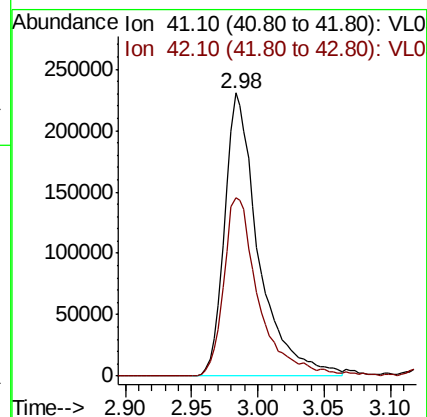
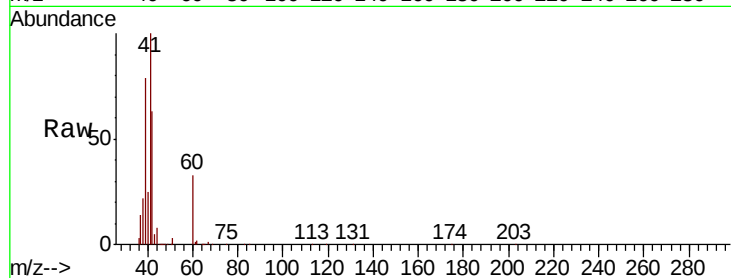
KSV-02

Tot Ion: 41 Resp: 408646

Ion Ratio Lower Upper

41 100

42 65.9 53.9 80.9



#10

Heptane

Concen: 0.545 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL037029.D

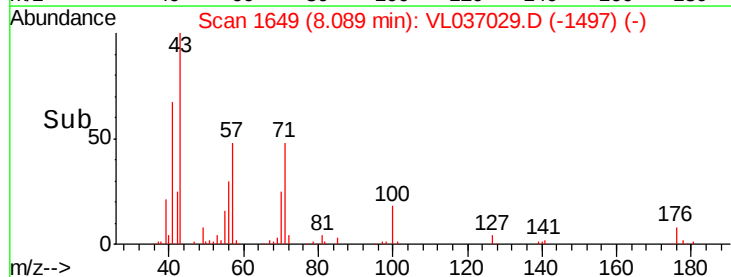
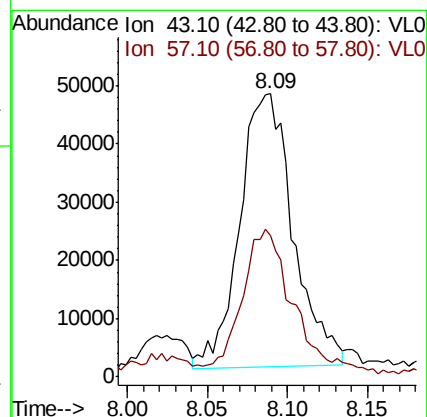
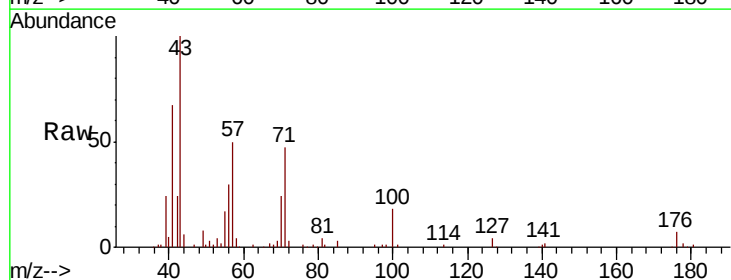
Acq: 20 May 2021 18:32

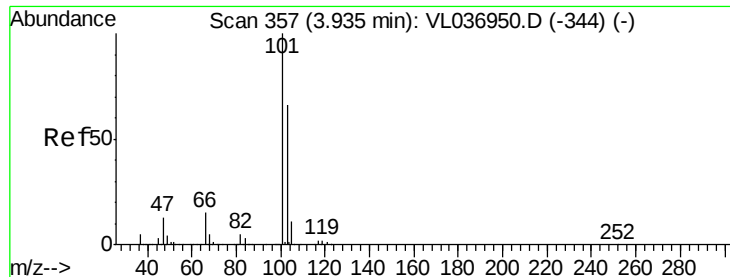
Tgt Ion: 43 Resp: 107252

Ion Ratio Lower Upper

43 100

57 51.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.112 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

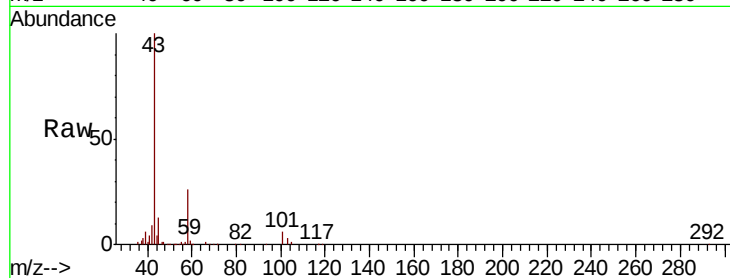
KSV-02

Tot Ion:101 Resp: 21081

Ion Ratio Lower Upper

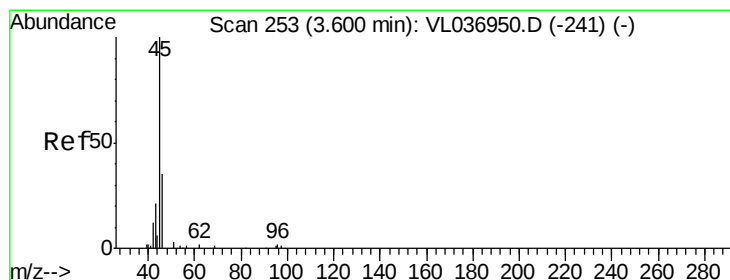
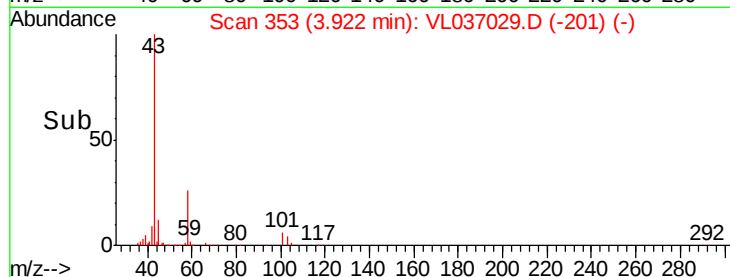
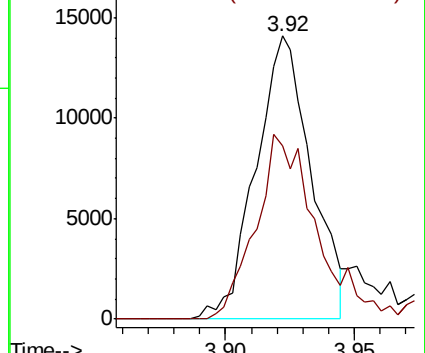
101 100

103 61.4 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 58.080 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.02 min

Lab File: VL037029.D

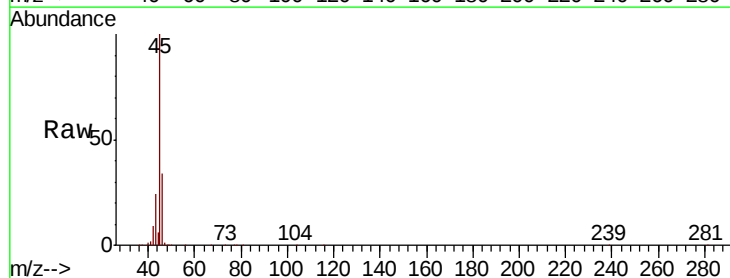
Acq: 20 May 2021 18:32

Tgt Ion: 45 Resp: 611708

Ion Ratio Lower Upper

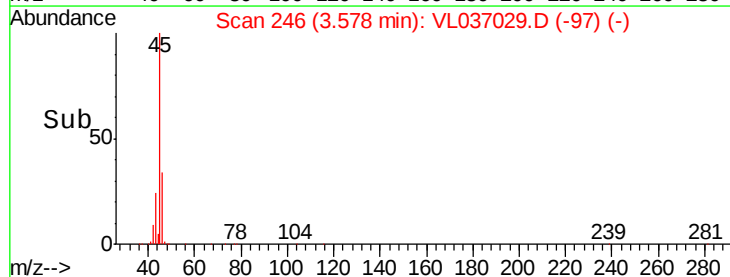
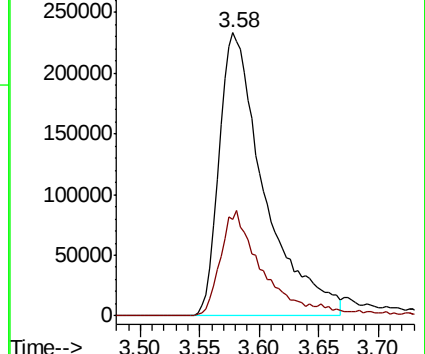
45 100

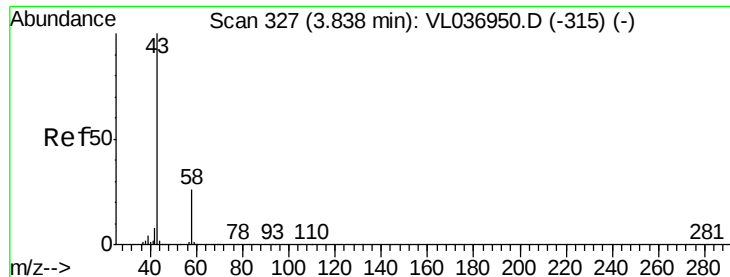
46 36.8 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 154.690 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

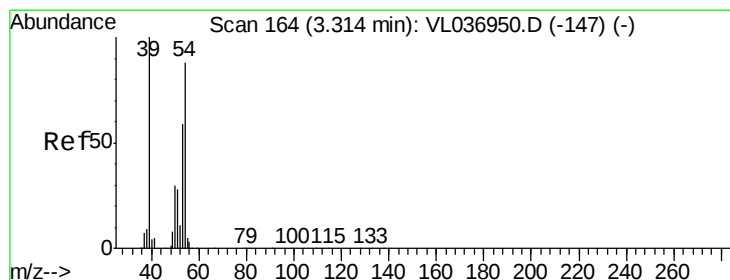
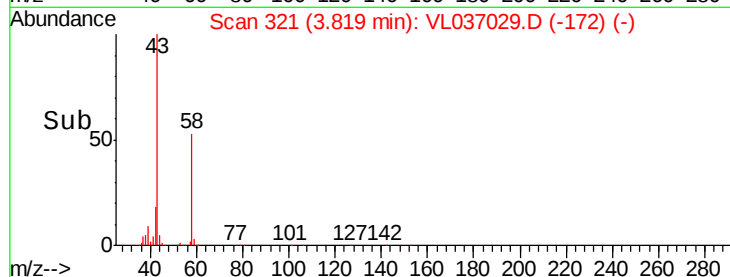
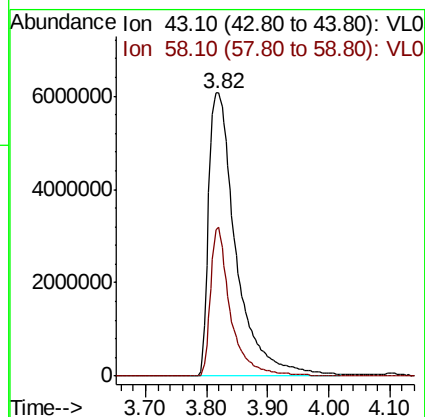
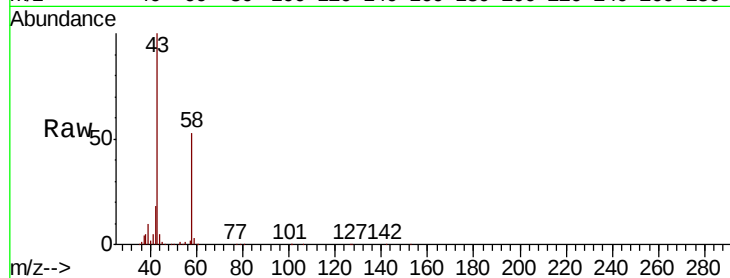
KSV-02

Tot Ion: 43 Resp:19065531

Ion Ratio Lower Upper

43 100

58 39.3 24.0 36.0#



#16

1,3-Butadiene

Concen: 17.121 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.03 min

Lab File: VL037029.D

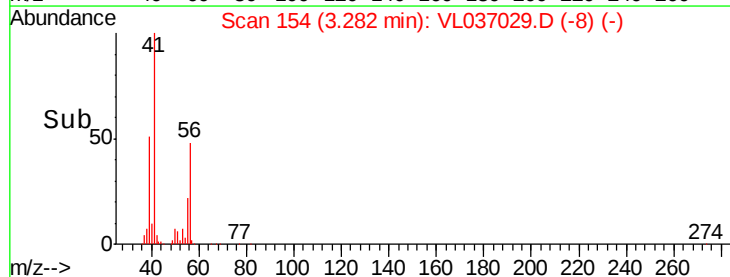
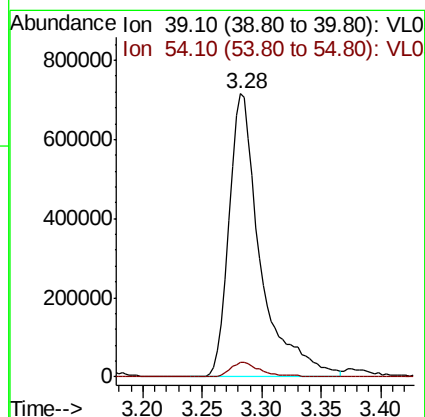
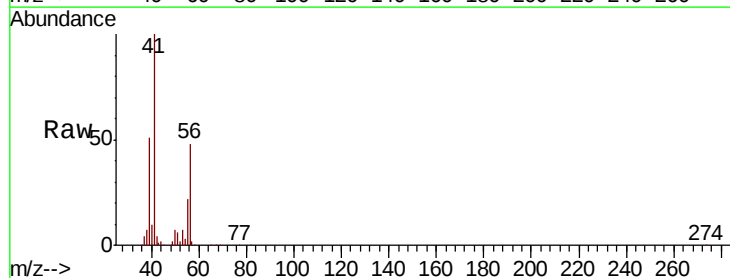
Acq: 20 May 2021 18:32

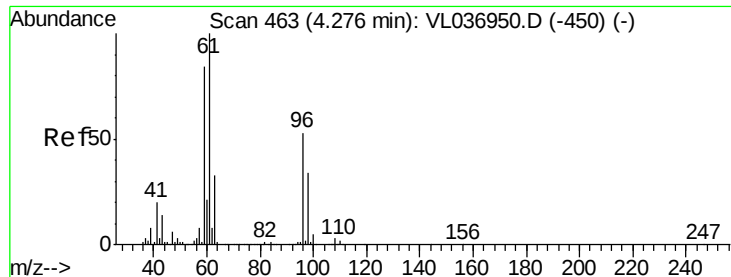
Tgt Ion: 39 Resp: 1310986

Ion Ratio Lower Upper

39 100

54 5.2 63.2 94.8#



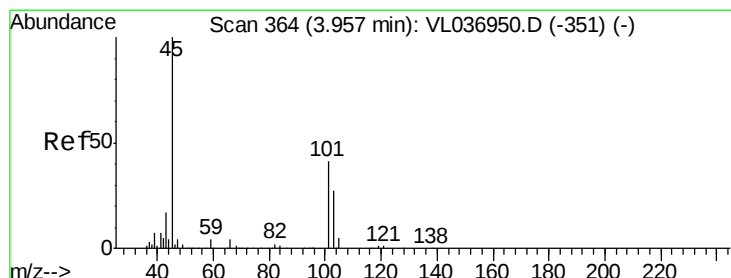
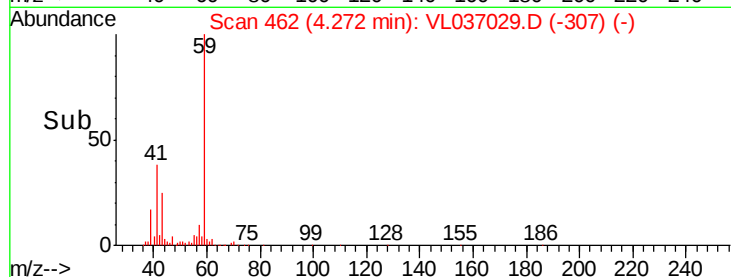
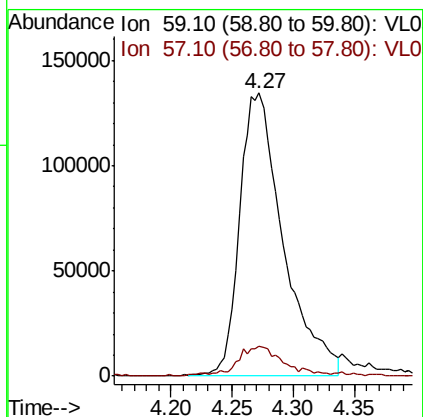
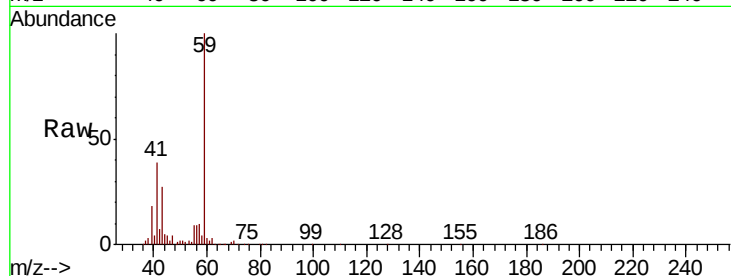


#17

tert-Butyl alcohol
Concen: 2.923 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Instrument :
MSVOA_L
ClientSampled :
KSV-02

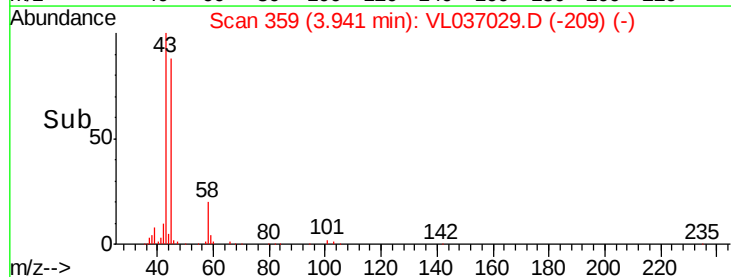
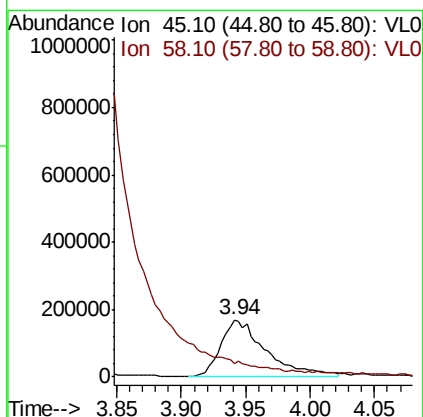
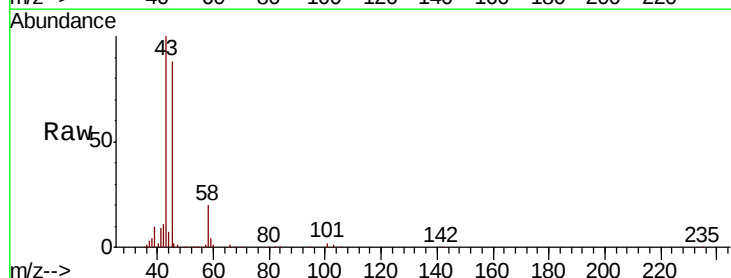
Tot Ion: 59 Resp: 330034
Ion Ratio Lower Upper
59 100
57 12.6 8.3 12.5#

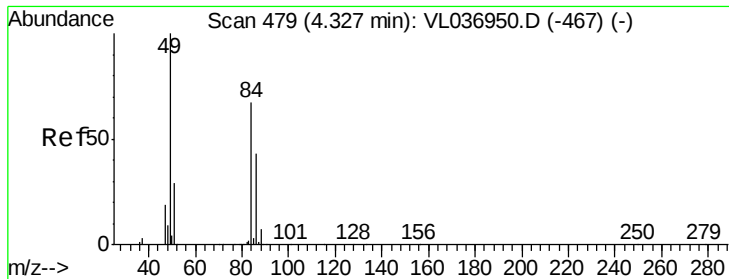


#19

Isopropyl Alcohol
Concen: 6.003 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion: 45 Resp: 397735
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#

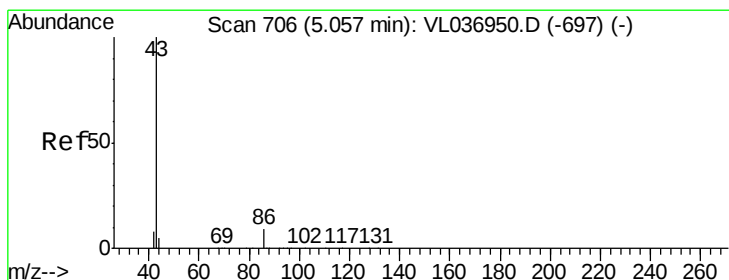
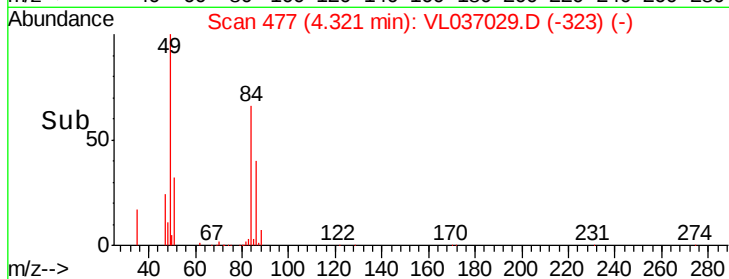
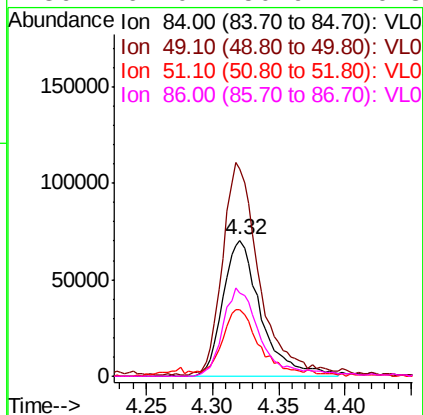
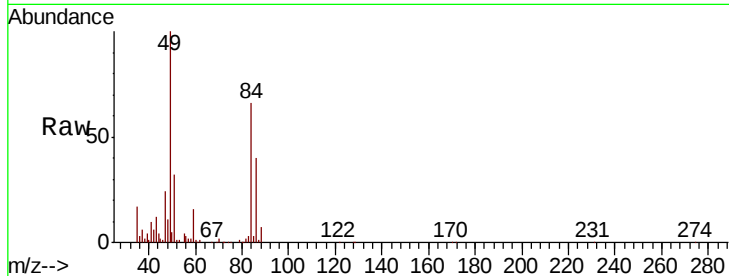




#20
Methvlene Chloride
Concen: 2.132 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

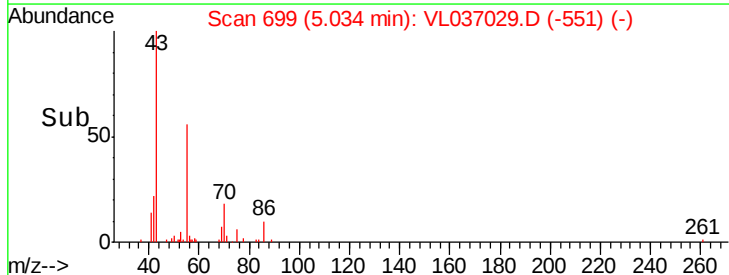
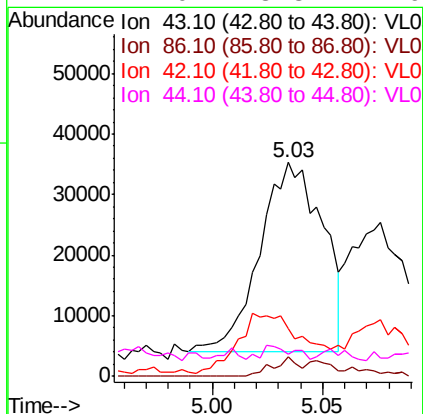
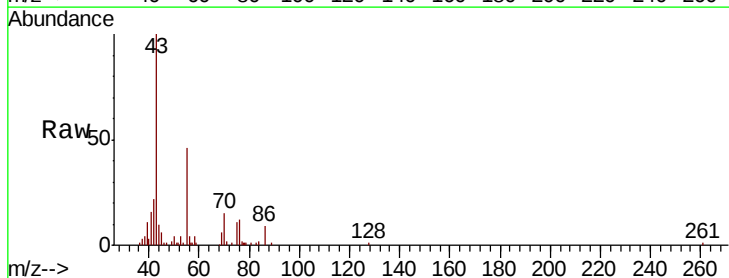
Instrument :
MSVOA_L
ClientSampleId :
KSV-02

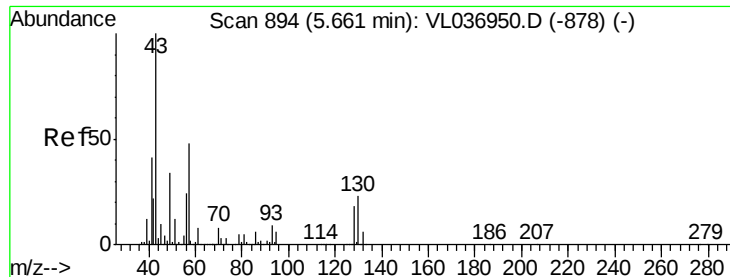
Tot Ion:	84	Resp:	140822
Ion	Ratio	Lower	Upper
84	100		
49	151.8	119.8	179.6
51	48.2	35.1	52.7
86	61.0	50.9	76.3



#23
Vinyl Acetate
Concen: 0.315 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion:	43	Resp:	61573
Ion	Ratio	Lower	Upper
43	100		
86	9.9	5.8	8.8#
42	23.0	7.4	11.2#
44	1.0	3.3	4.9#





#25

Ethyl Acetate

Concen: 0.676 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampled :

KSV-02

Tot Ion: 43 Resp: 200109

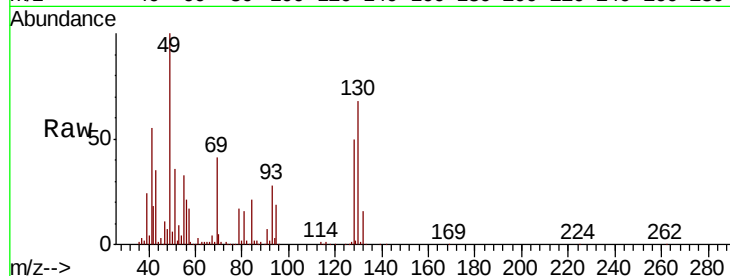
Ion Ratio Lower Upper

43 100

45 21.4 7.8 11.8#

61 15.9 7.8 11.8#

70 29.8 5.6 8.4#

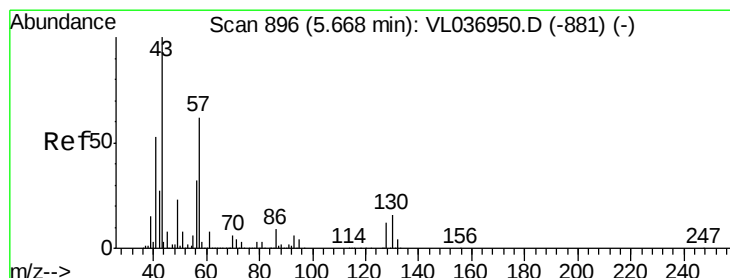
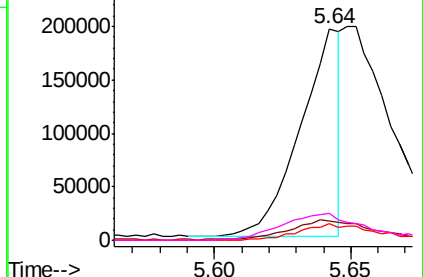
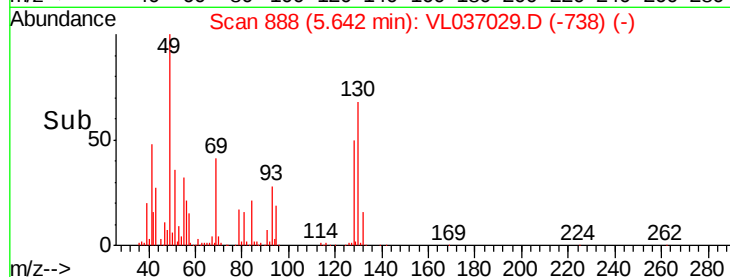


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.874 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Tgt Ion: 57 Resp: 283517

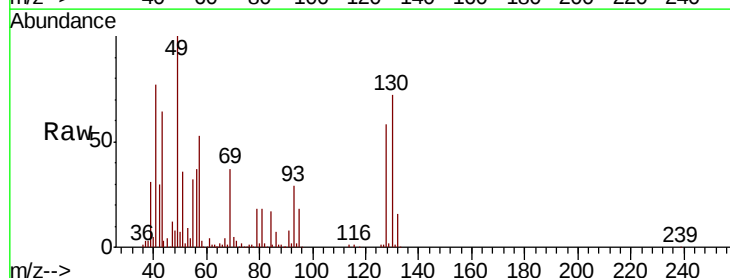
Ion Ratio Lower Upper

57 100

41 302.5 70.5 105.7#

43 173.1 165.8 248.8

56 120.4 42.2 63.4#

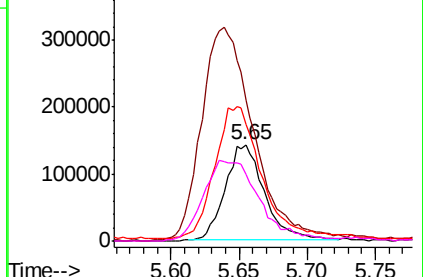
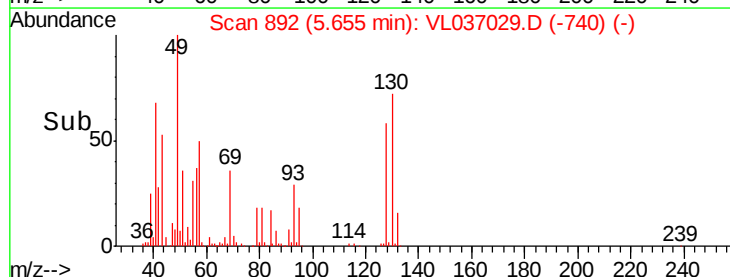


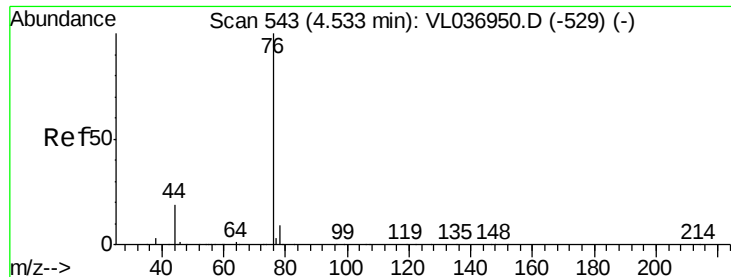
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 62.578 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

KSV-02

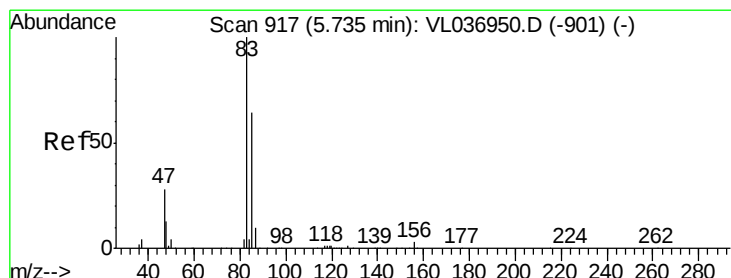
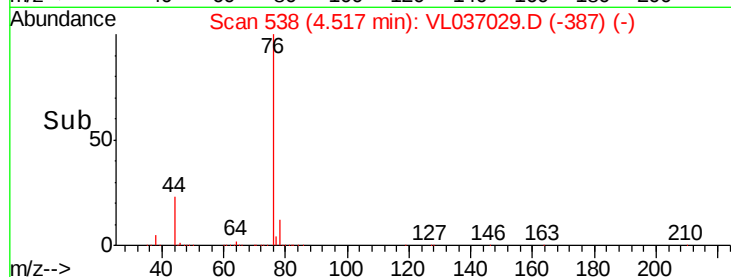
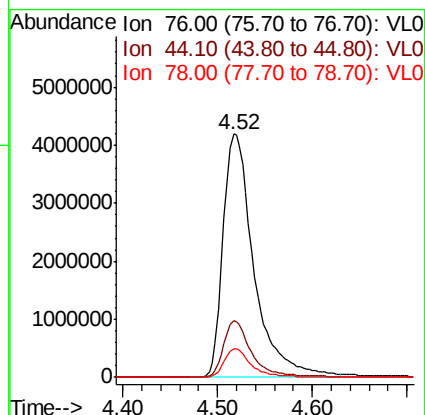
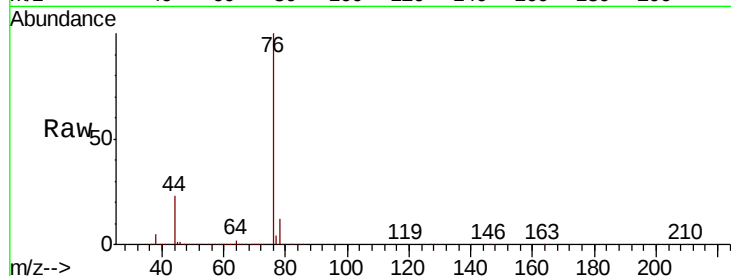
Tot Ion: 76 Resp: 9542143

Ion Ratio Lower Upper

76 100

44 21.2 15.5 23.3

78 10.7 7.8 11.6



#29

Chloroform

Concen: 0.390 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: VL037029.D

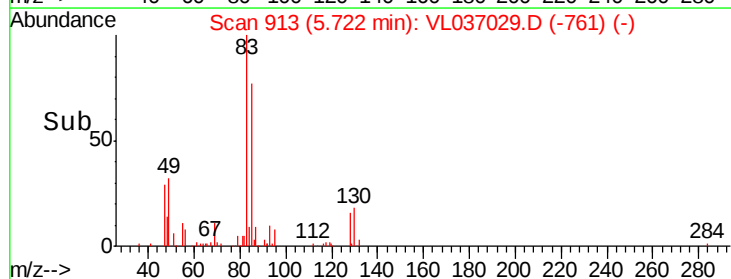
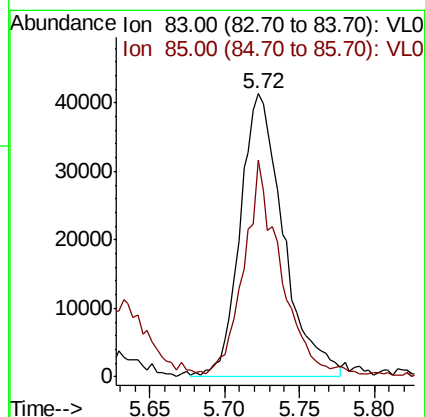
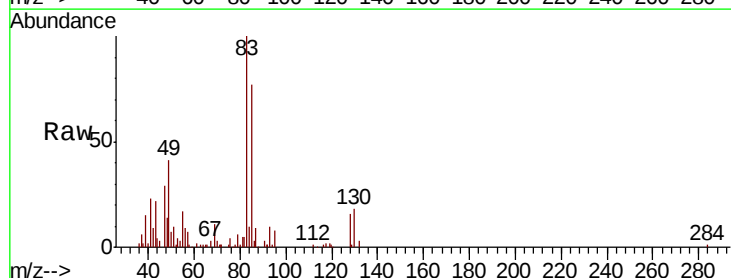
Acq: 20 May 2021 18:32

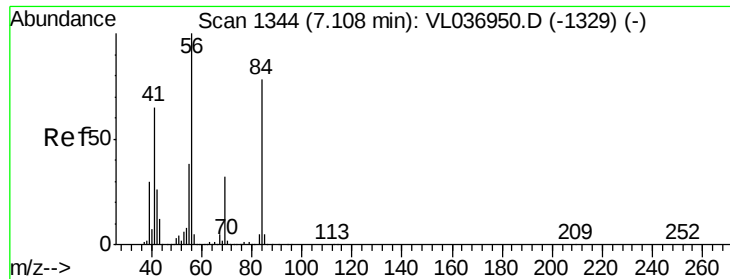
Tgt Ion: 83 Resp: 83313

Ion Ratio Lower Upper

83 100

85 74.6 51.1 76.7

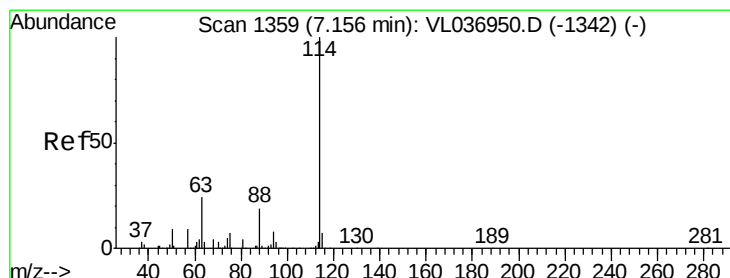
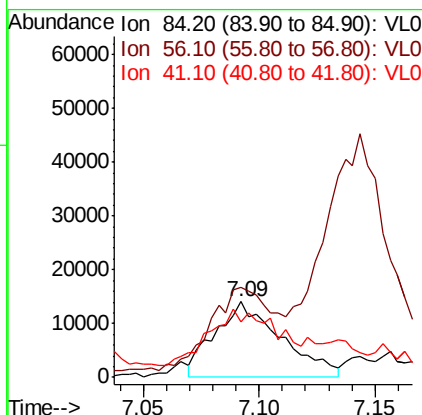
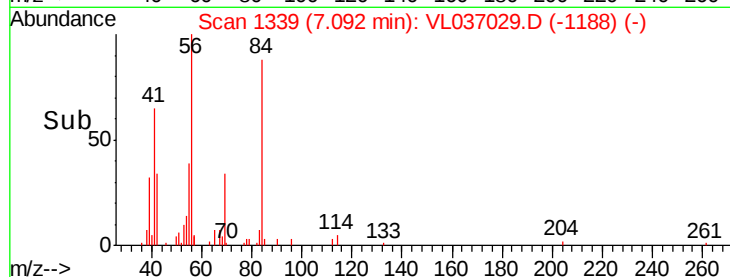
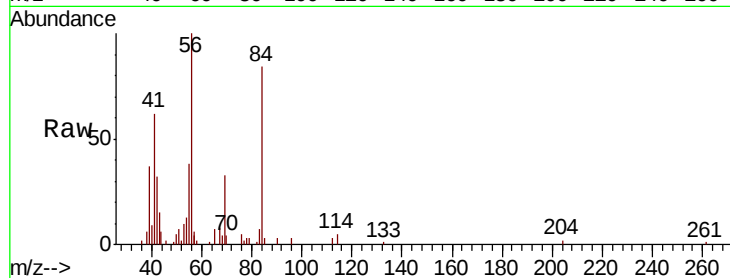




#30
Cvclohexane
Concen: 0.217 ppbv
RT: 7.09 min Scan# 1339
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

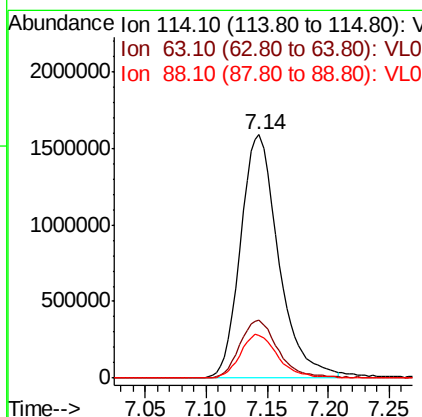
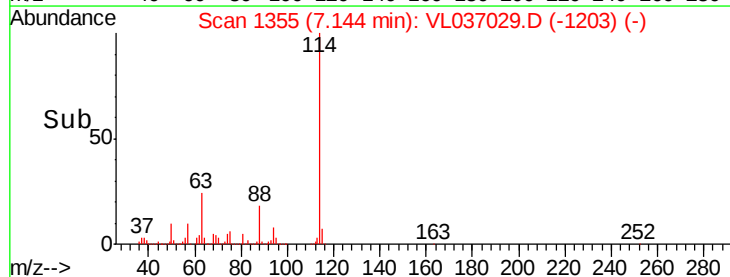
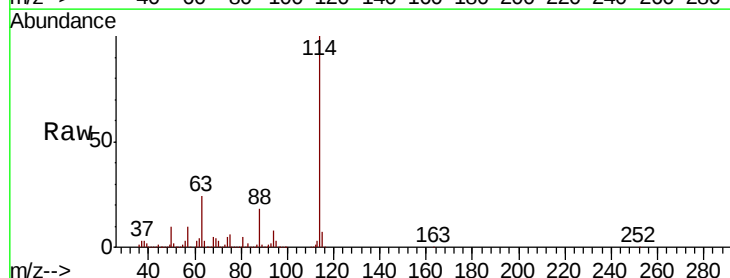
Instrument :
MSVOA_L
ClientSampleId :
KSV-02

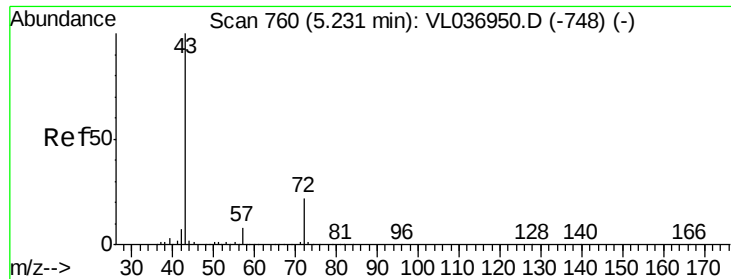
Tot Ion: 84 Resp: 27879
Ion Ratio Lower Upper
84 100
56 115.8 107.9 161.9
41 142.6 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion: 114 Resp: 3425916
Ion Ratio Lower Upper
114 100
63 24.4 19.6 29.4
88 18.0 14.6 21.8

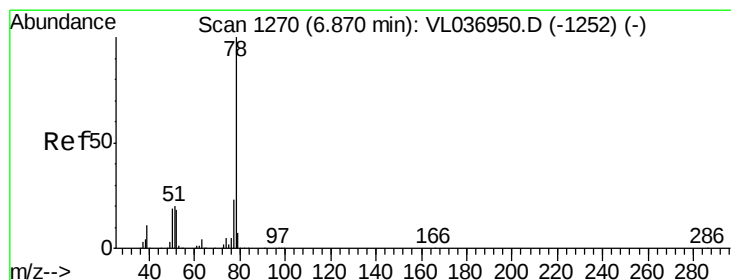
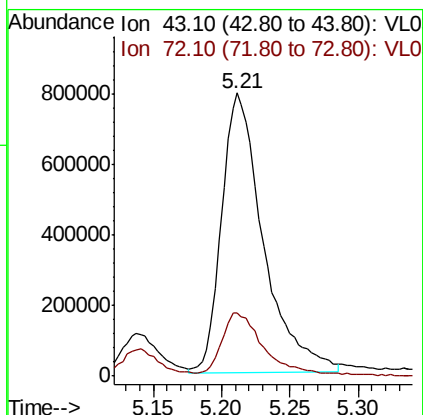
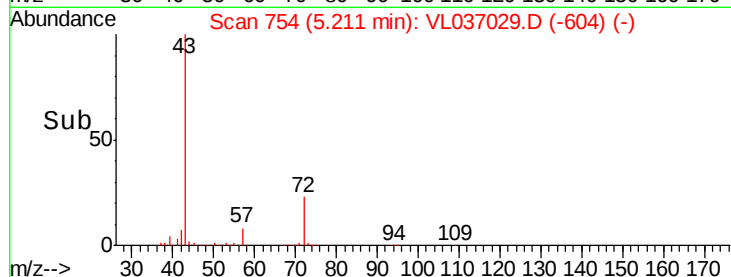
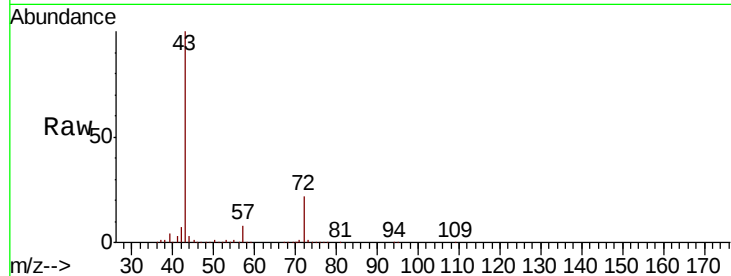




#34
2-Butanone
Concen: 13.604 ppbv
RT: 5.21 min Scan# 754
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

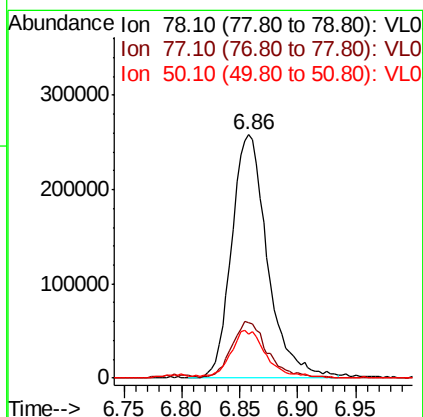
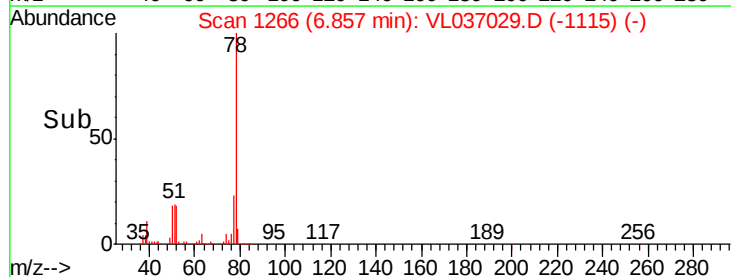
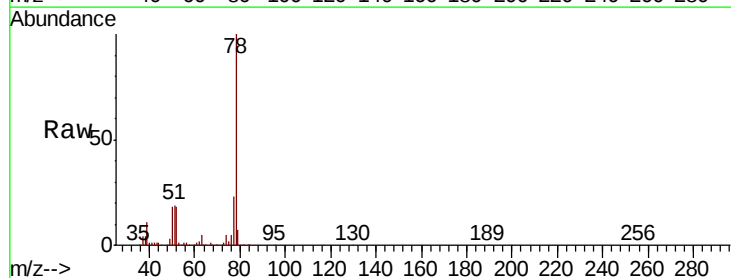
Instrument :
MSVOA_L
ClientSampleId :
KSV-02

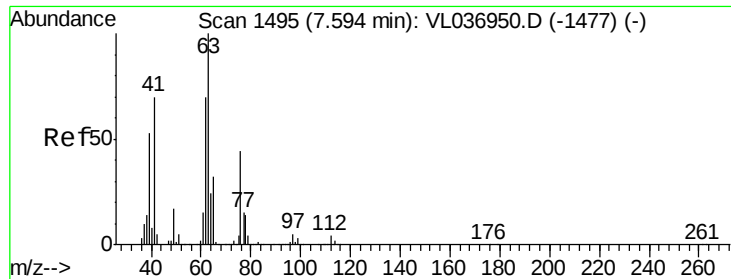
Tot Ion: 43 Resp: 1697011
Ion Ratio Lower Upper
43 100
72 23.9 19.0 28.4



#36
Benzene
Concen: 1.878 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion: 78 Resp: 554250
Ion Ratio Lower Upper
78 100
77 22.4 18.6 28.0
50 17.7 15.0 22.4

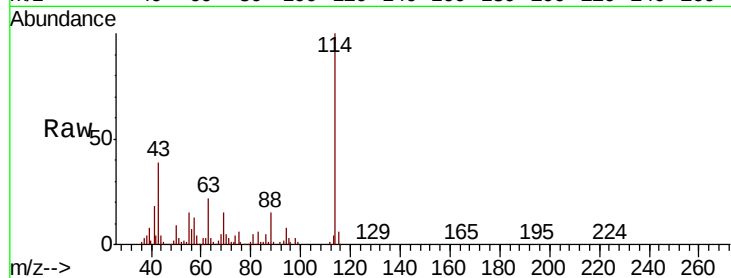




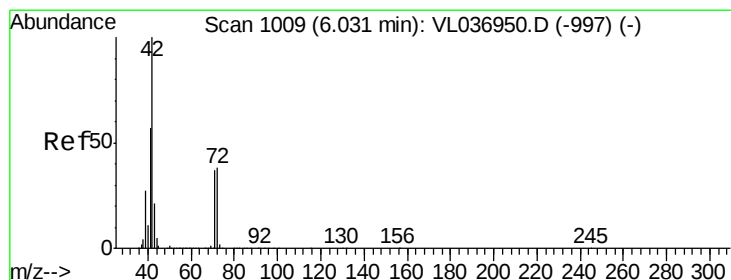
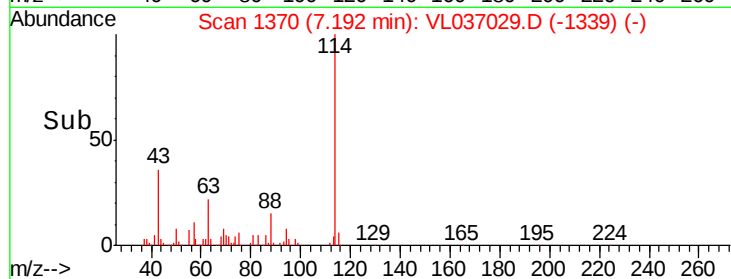
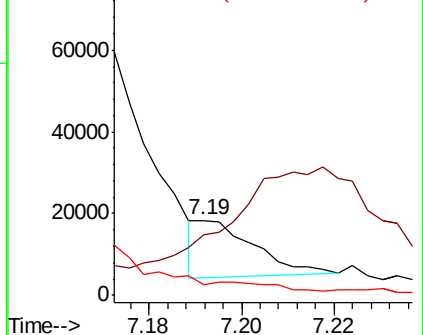
#39
 1,2-Dichloropropane
 Concen: 0.103 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.40 min
 Lab File: VL037029.D
 Acq: 20 May 2021 18:32

Instrument :
 MSVOA_L
 ClientSampled :
 KSV-02

Tot Ion: 63 Resp: 11736
 Ion Ratio Lower Upper
 63 100
 41 24.2 55.7 83.5#
 62 10.6 56.2 84.4#

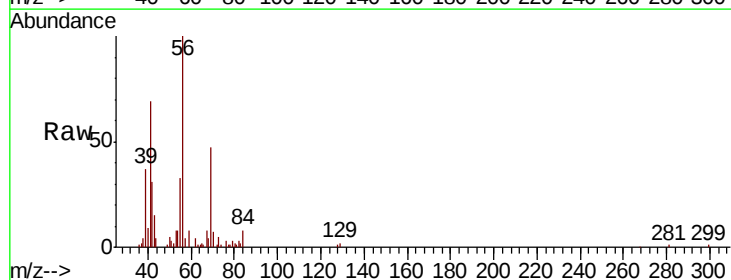


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

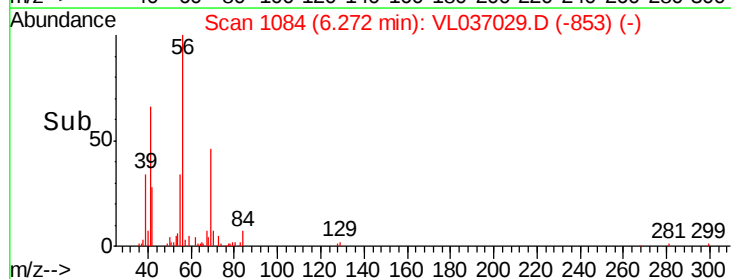
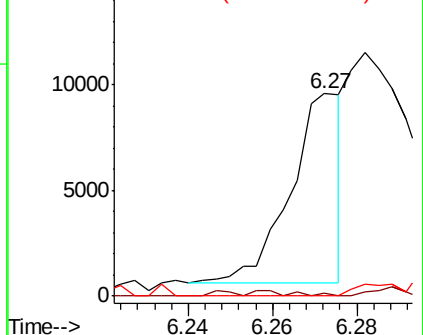


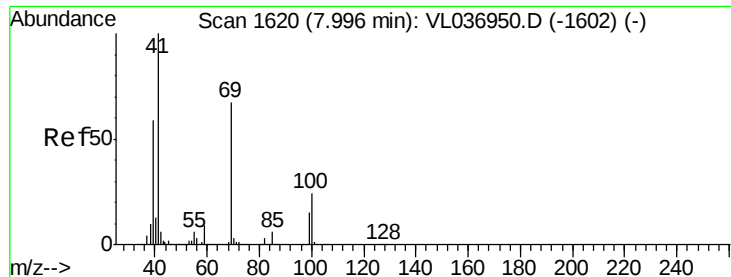
#41
 Tetrahydrofuran
 Concen: 0.108 ppbv
 RT: 6.27 min Scan# 1084
 Delta R.T. 0.24 min
 Lab File: VL037029.D
 Acq: 20 May 2021 18:32

Tgt Ion: 42 Resp: 7644
 Ion Ratio Lower Upper
 42 100
 72 5.8 31.4 47.2#
 71 0.0 30.4 45.6#



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





#43

Methyl Methacrylate

Concen: 0.188 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampled :

KSV-02

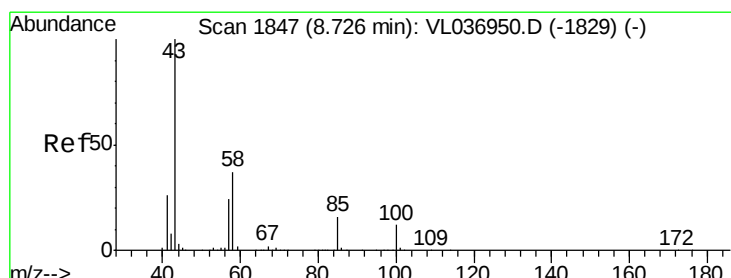
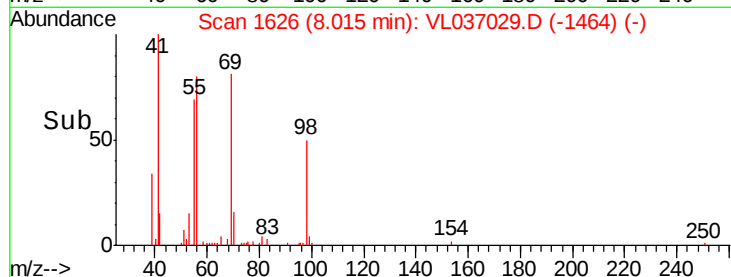
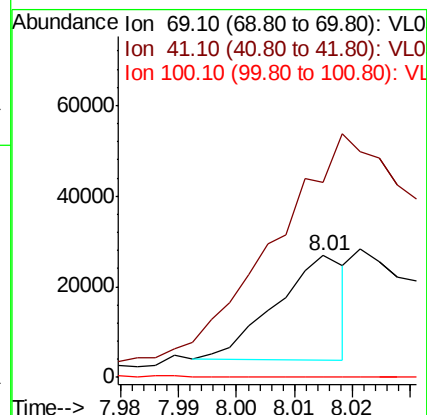
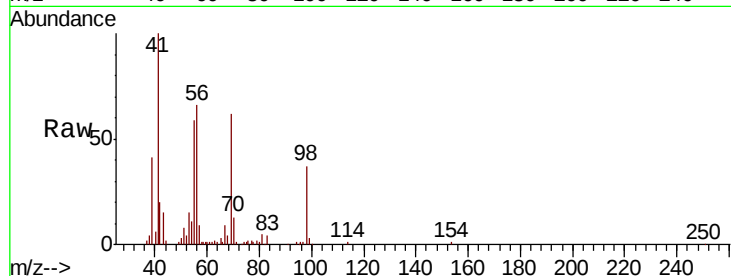
Tot Ion: 69 Resp: 19137

Ion Ratio Lower Upper

69 100

41 0.0 118.6 178.0#

100 0.0 28.2 42.4#



#50

4-Methyl-2-Pentanone

Concen: 0.220 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL037029.D

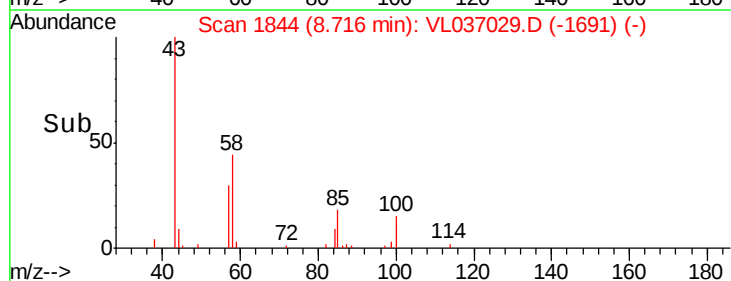
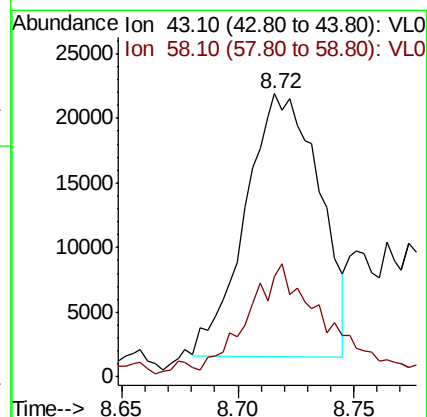
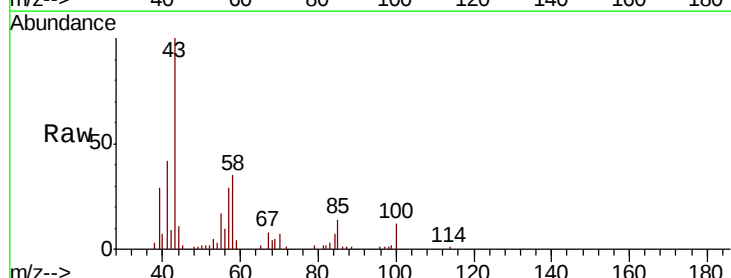
Acq: 20 May 2021 18:32

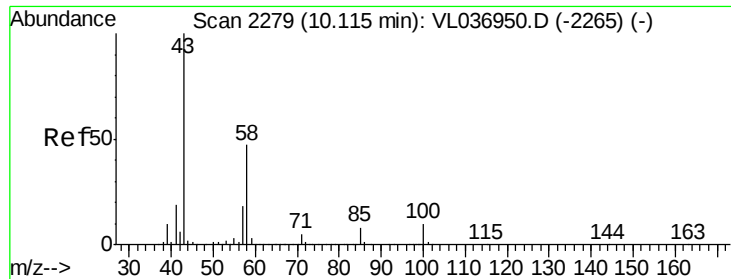
Tgt Ion: 43 Resp: 45234

Ion Ratio Lower Upper

43 100

58 46.5 29.4 44.2#

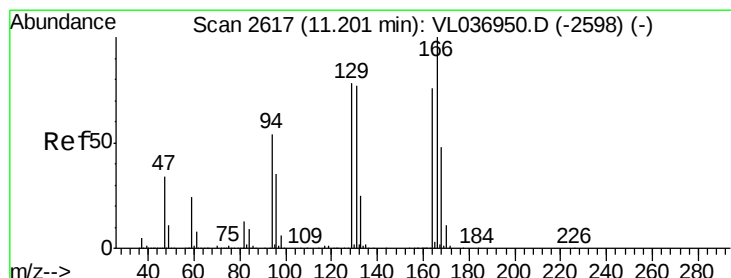
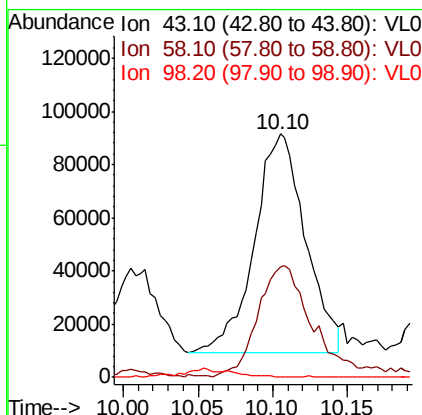
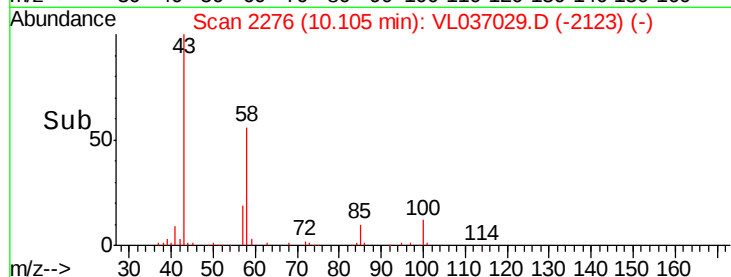
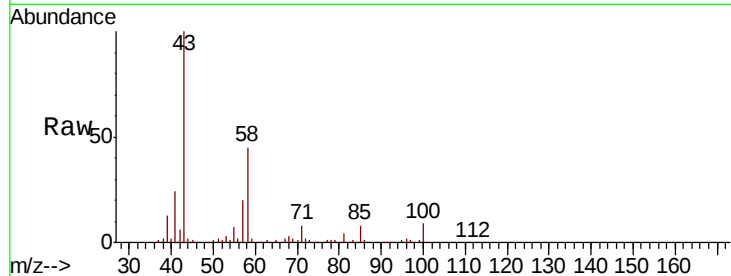




#51
2-Hexanone
Concen: 1.780 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.01 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

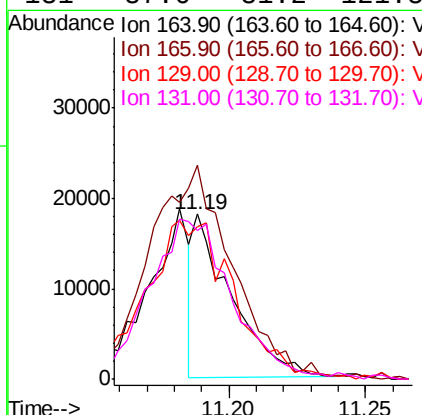
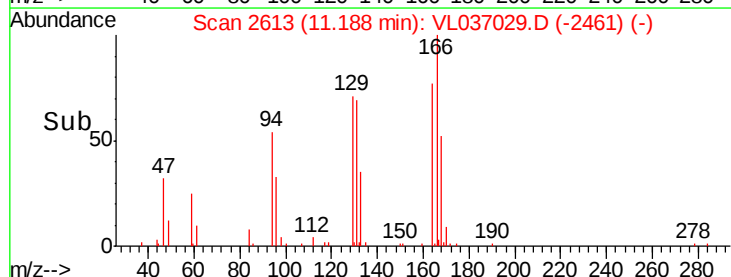
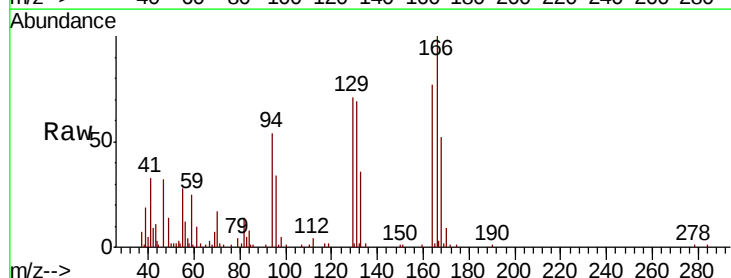
Instrument :
MSVOA_L
ClientSampleId :
KSV-02

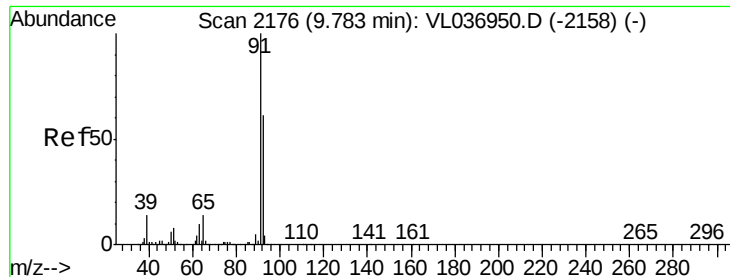
Tot Ion: 43 Resp: 193752
Ion Ratio Lower Upper
43 100
58 56.7 41.1 61.7
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.149 ppbv
RT: 11.19 min Scan# 2613
Delta R.T. -0.01 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion:164 Resp: 17486
Ion Ratio Lower Upper
164 100
166 129.4 105.5 158.3
129 91.7 81.8 122.8
131 87.6 81.2 121.8





#53

Toluene

Concen: 1.537 ppbv

RT: 9.76 min Scan# 2170

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampled :

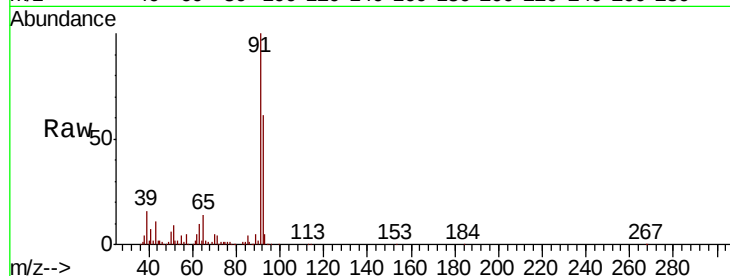
KSV-02

Tot Ion: 91 Resp: 539805

Ion Ratio Lower Upper

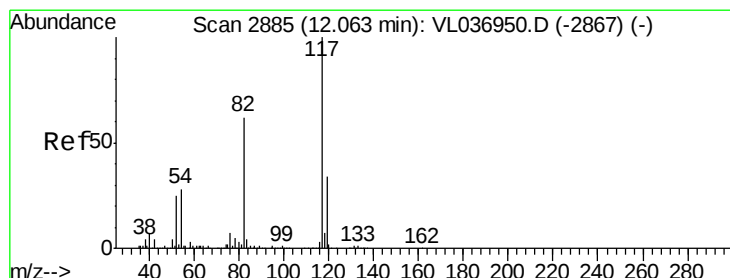
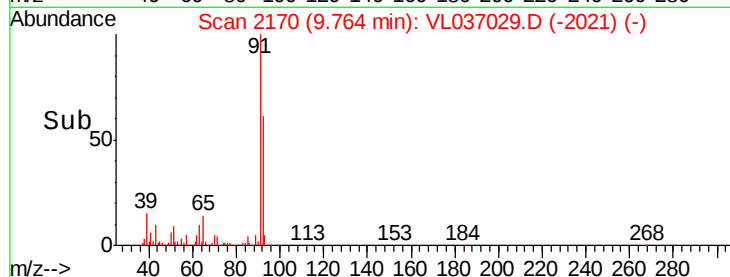
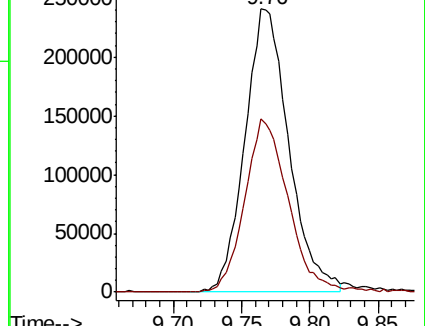
91 100

92 60.9 49.5 74.3



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: 12.05 min Scan# 2880

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

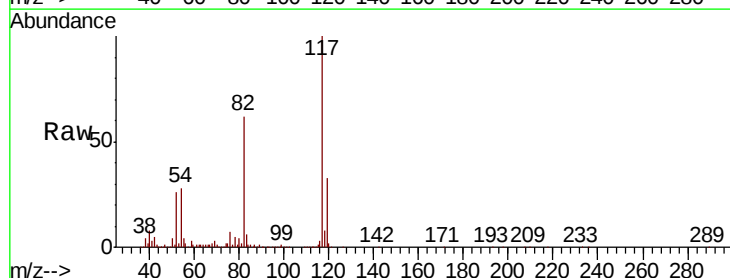
Tgt Ion: 117 Resp: 3115059

Ion Ratio Lower Upper

117 100

82 62.6 52.6 79.0

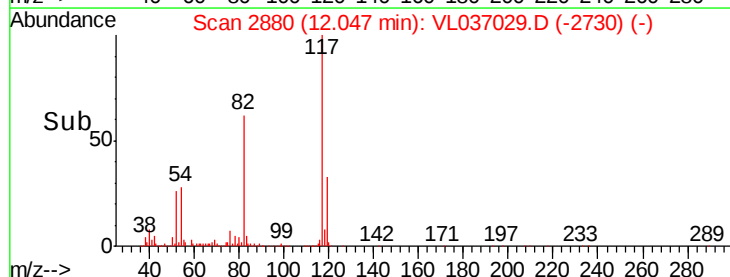
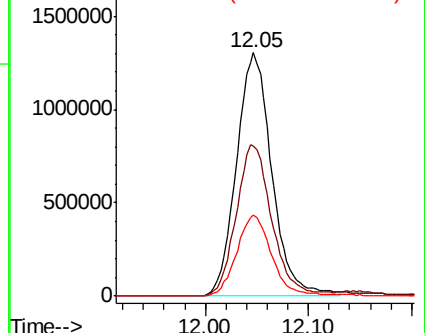
119 33.6 46.6 70.0#

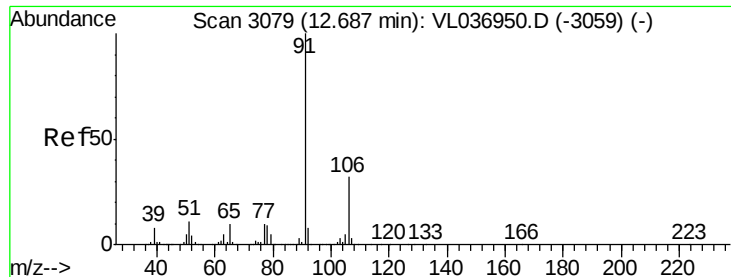


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

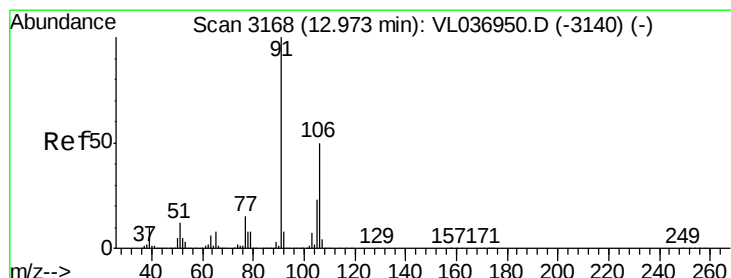
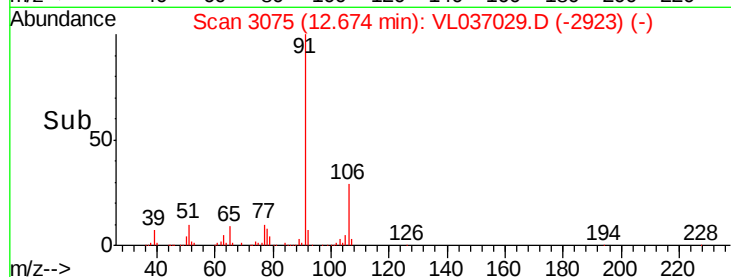
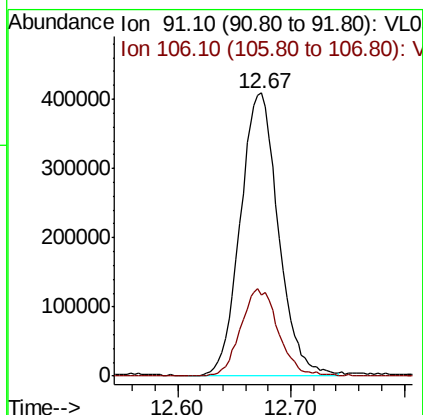
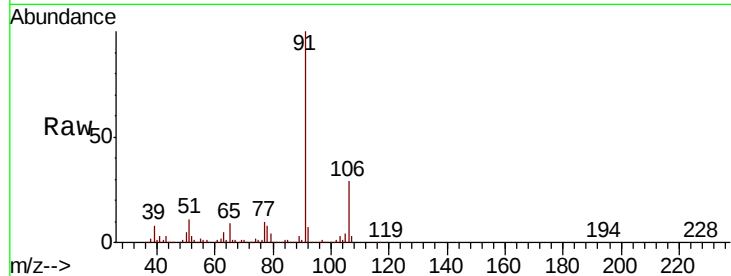




#58
Ethyl Benzene
Concen: 2.166 ppbv
RT: 12.67 min Scan# 3075
Delta R.T. -0.01 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

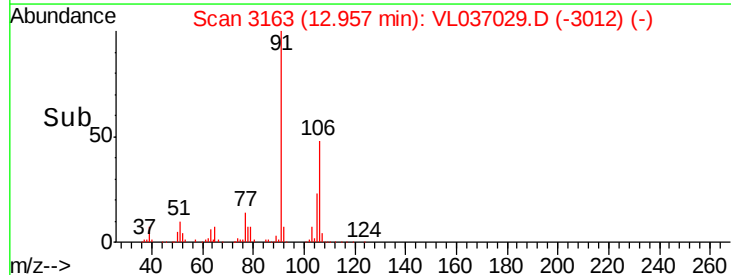
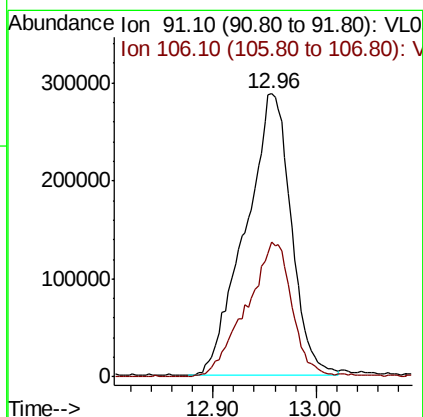
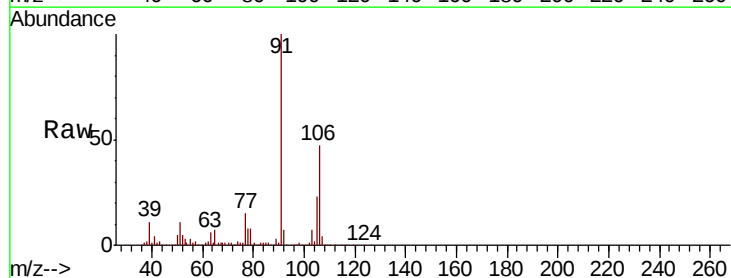
Instrument :
MSVOA_L
ClientSampleId :
KSV-02

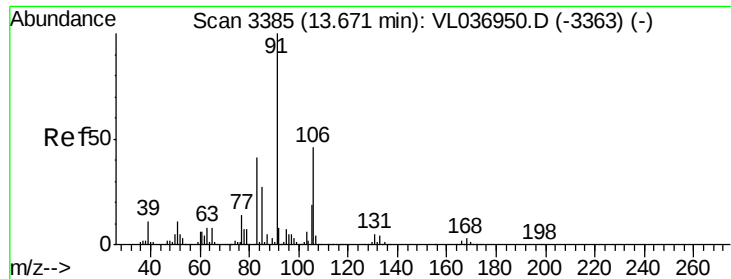
Tot Ion: 91 Resp: 952183
Ion Ratio Lower Upper
91 100
106 28.7 25.6 38.4



#59
m/p-Xylene
Concen: 2.434 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion: 91 Resp: 884715
Ion Ratio Lower Upper
91 100
106 48.0 37.4 56.2

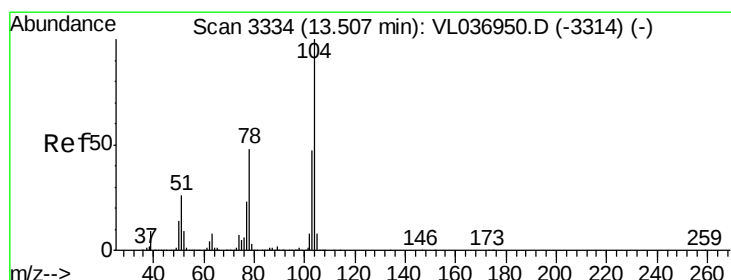
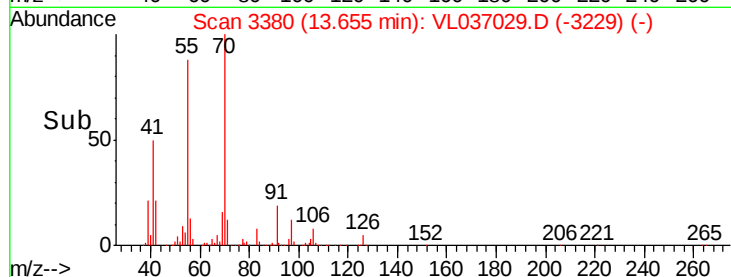
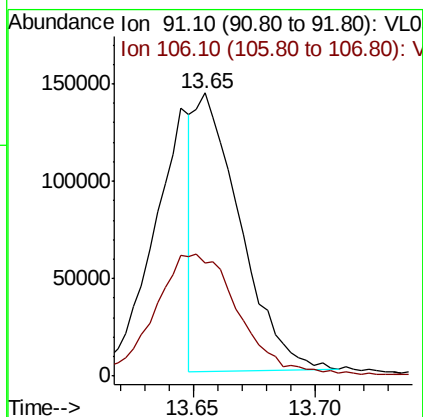
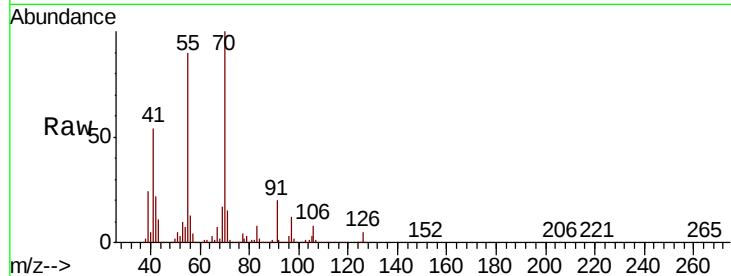




#60
o-Xylene
Concen: 0.536 ppbv
RT: 13.65 min Scan# 3380
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

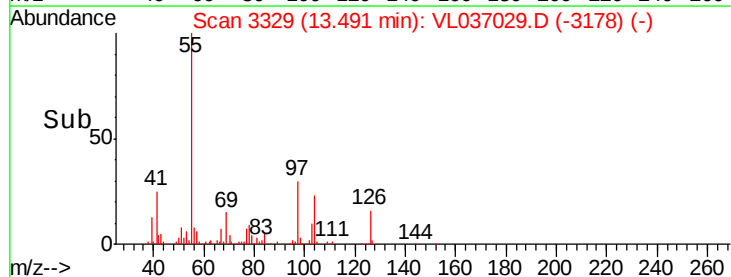
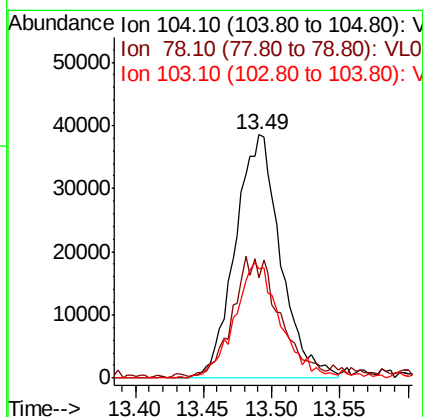
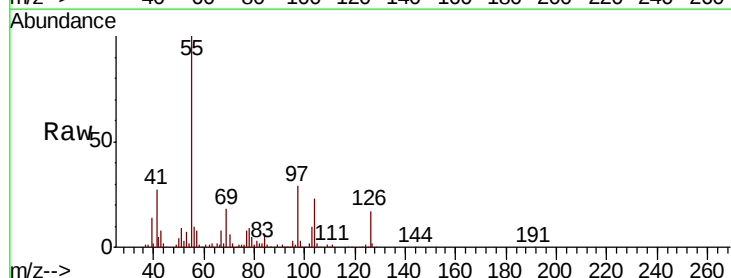
Instrument :
MSVOA_L
ClientSampled :
KSV-02

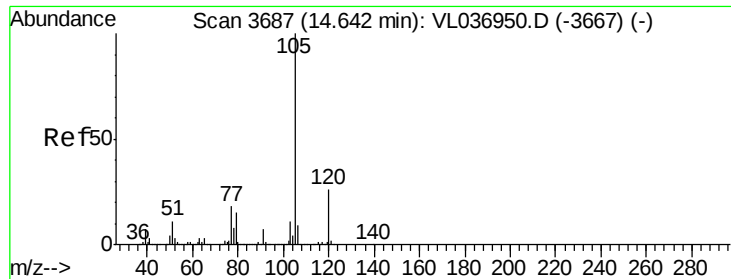
Tot Ion: 91 Resp: 185940
Ion Ratio Lower Upper
91 100
106 83.2 23.4 70.3#



#61
Styrene
Concen: 0.455 ppbv
RT: 13.49 min Scan# 3329
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion: 104 Resp: 88887
Ion Ratio Lower Upper
104 100
78 56.1 39.0 58.6
103 49.1 38.0 57.0





#62

Isopropylbenzene

Concen: 0.157 ppbv

RT: 14.63 min Scan# 3682

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

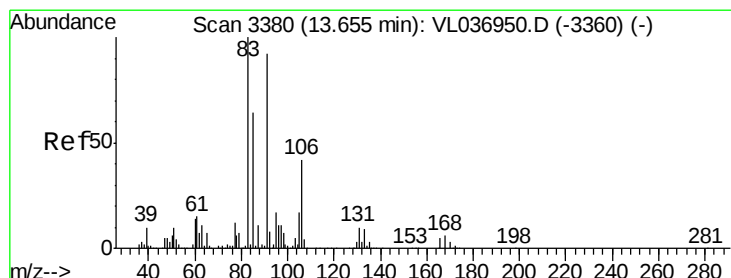
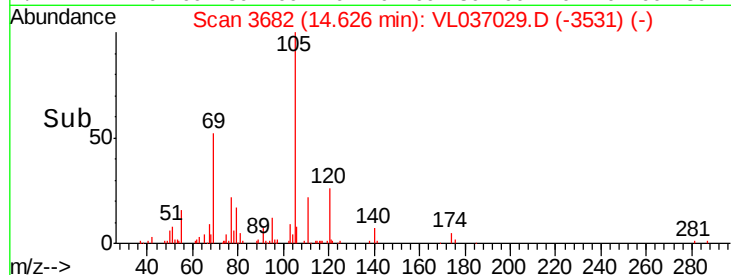
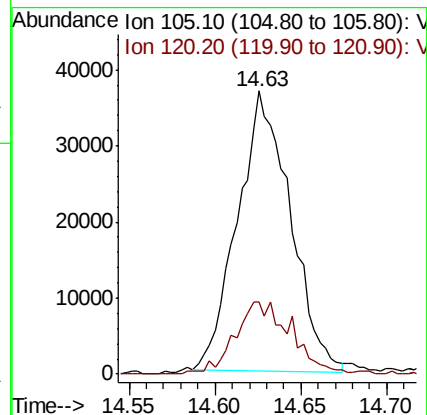
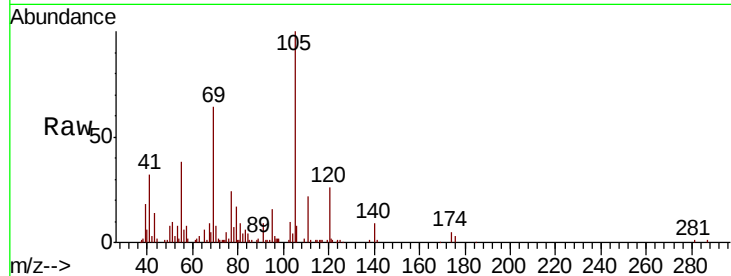
KSV-02

Tot Ion:105 Resp: 78258

Ion Ratio Lower Upper

105 100

120 28.0 21.7 32.5



#63

1,1,2,2-Tetrachloroethane

Concen: 0.486 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

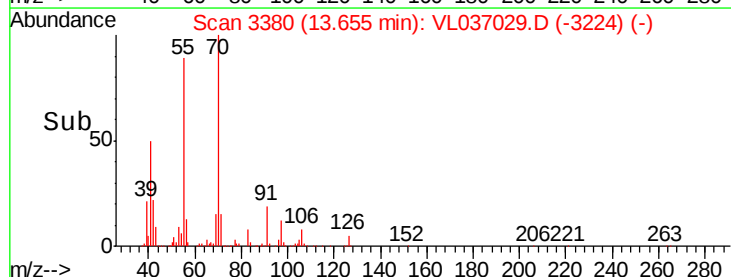
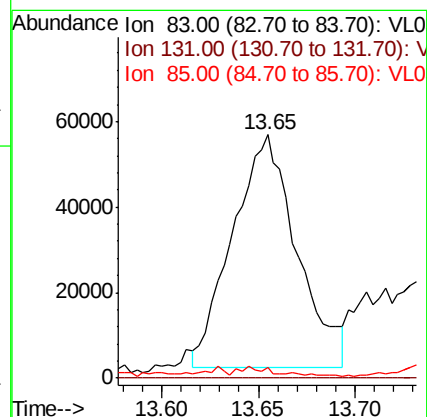
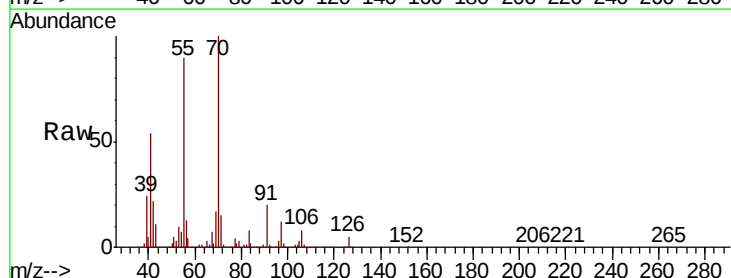
Tgt Ion: 83 Resp: 125728

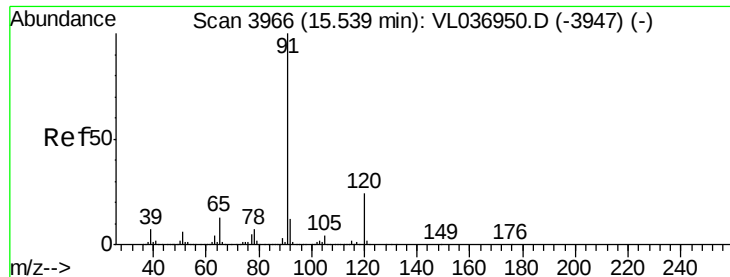
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 2.6 32.9 98.6#





#64

n-propylbenzene

Concen: 0.291 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

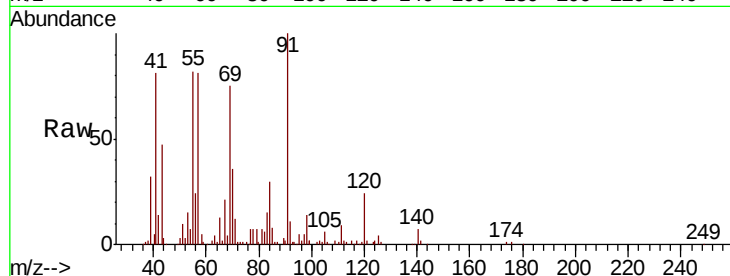
KSV-02

Tot Ion:120 Resp: 37440

Ion Ratio Lower Upper

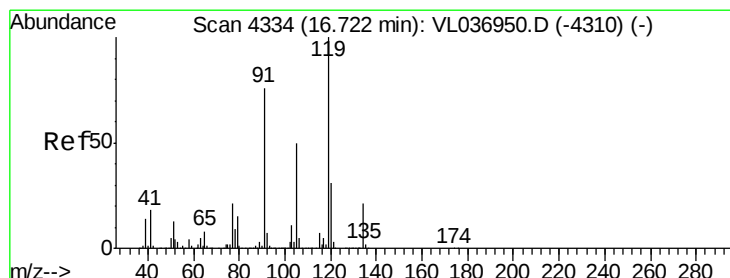
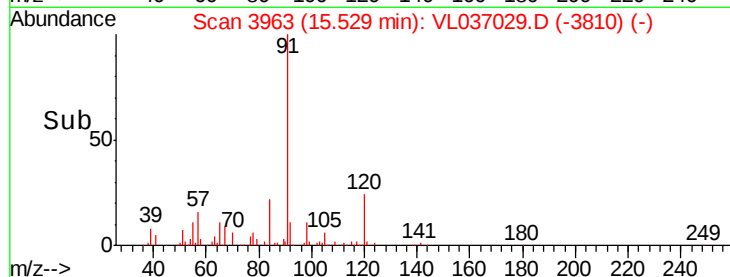
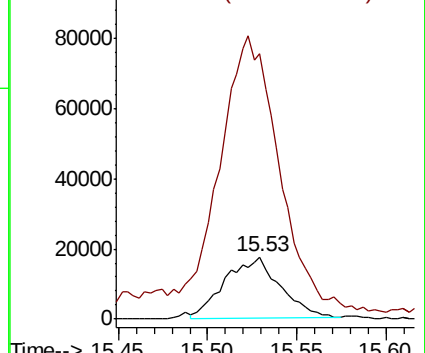
120 100

91 511.9 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.051 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. 0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

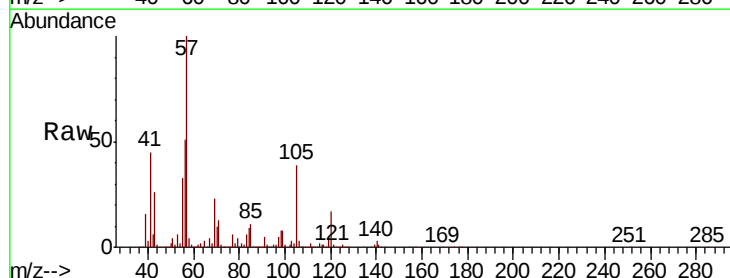
Tgt Ion:119 Resp: 22891

Ion Ratio Lower Upper

119 100

91 204.4 61.9 92.9#

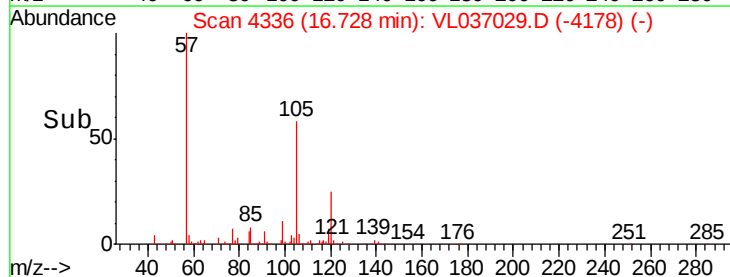
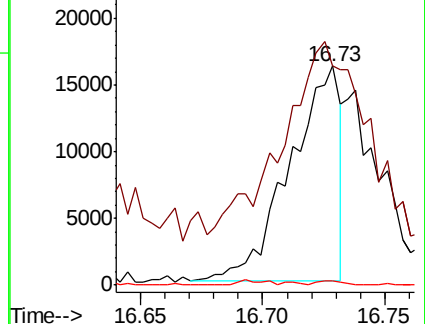
134 0.0 16.2 24.4#

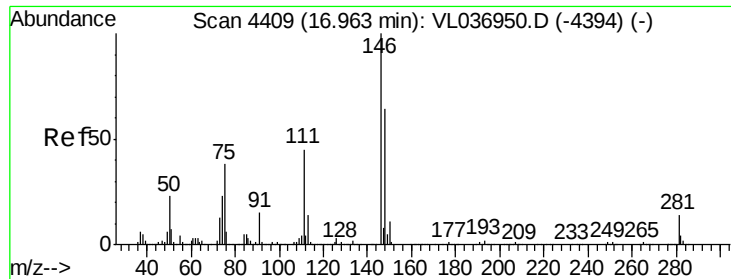


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

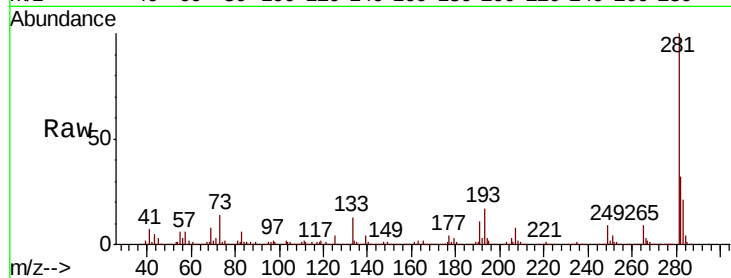




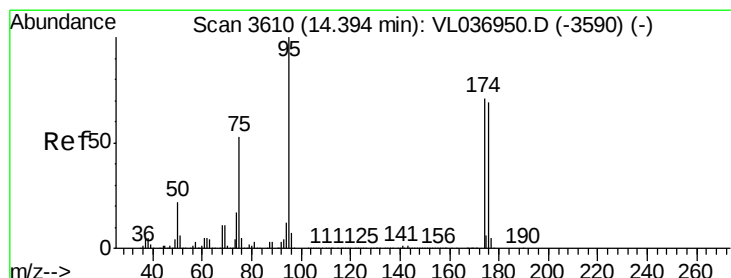
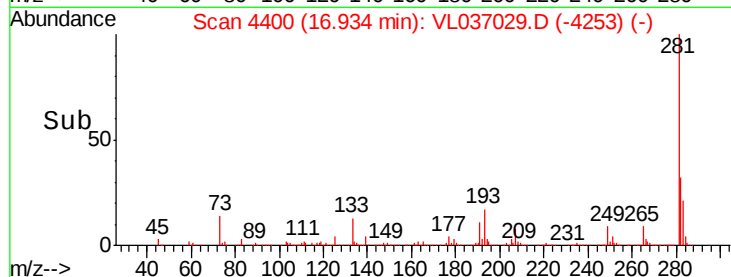
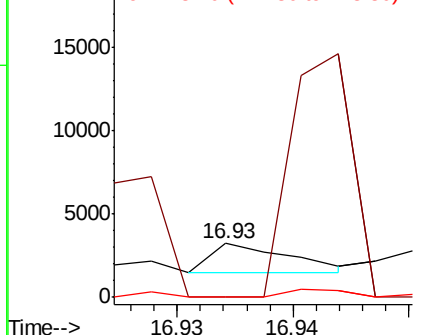
#66
Benzyl Chloride
Concen: 0.032 ppbv
RT: 16.93 min Scan# 4409
Delta R.T. -0.03 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Instrument :
MSVOA_L
ClientSampled :
KSV-02

Tot Ion: 91 Resp: 801
Ion Ratio Lower Upper
91 100
126 0.0 16.5 24.7#
128 0.0 5.5 8.3#

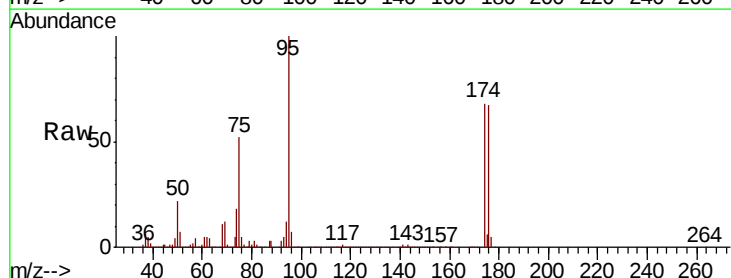


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

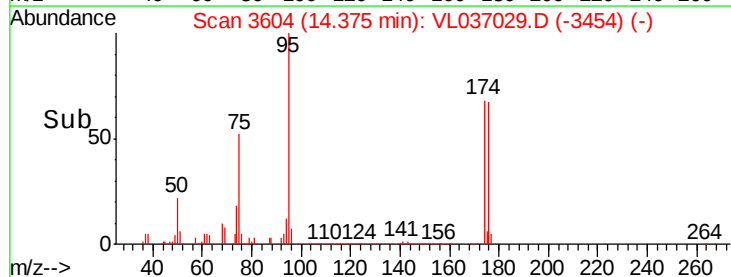
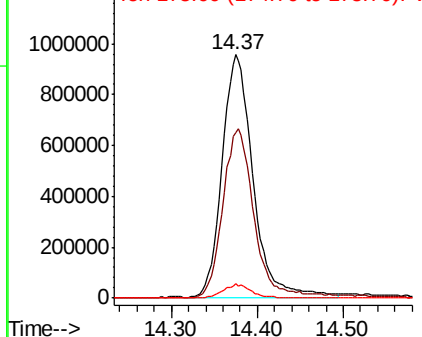


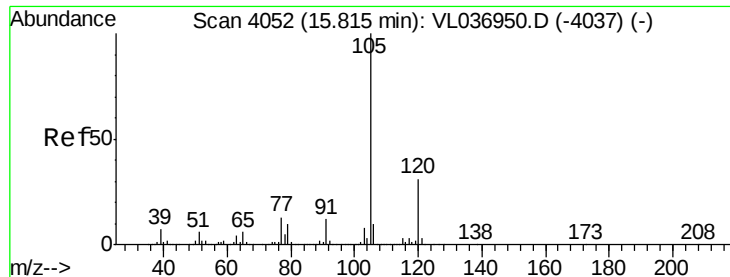
#68
1-Bromo-4-Fluorobenzene
Concen: 10.215 ppbv
RT: 14.37 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL037029.D
Acq: 20 May 2021 18:32

Tgt Ion: 95 Resp: 2390514
Ion Ratio Lower Upper
95 100
174 72.4 58.4 87.6
175 5.4 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.174 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. -0.02 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampled :

KSV-02

Tot Ion:105 Resp: 71450

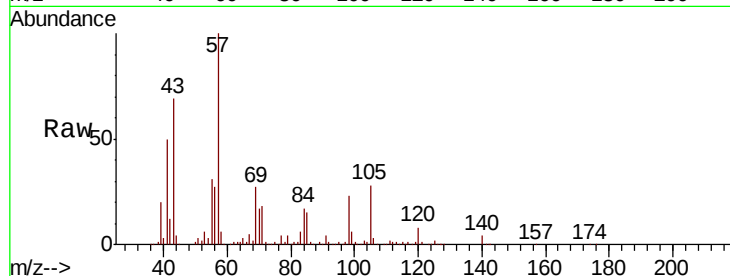
Ion Ratio Lower Upper

105 100

120 0.0 24.6 37.0#

91 29.9 9.8 14.6#

77 0.0 10.4 15.6#

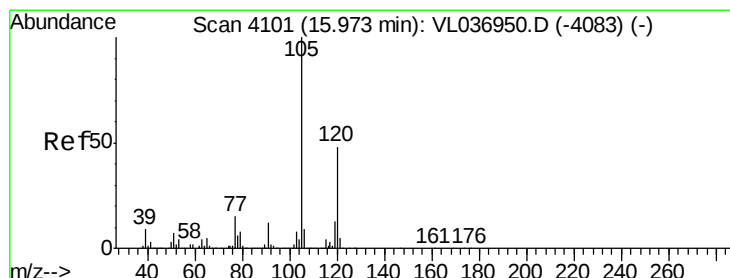
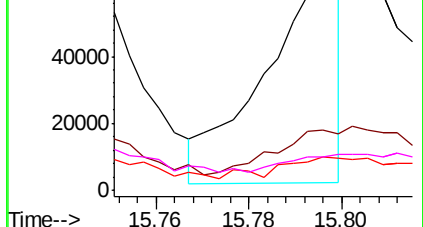
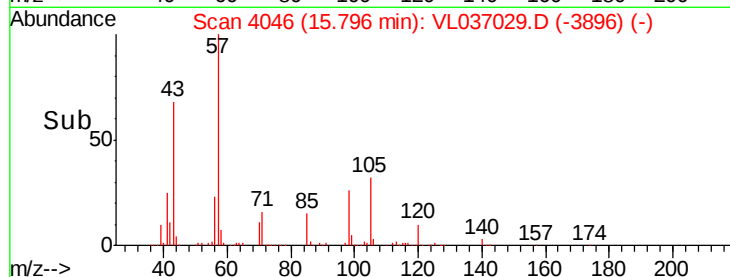


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.437 ppbv

RT: 15.96 min Scan# 4097

Delta R.T. -0.01 min

Lab File: VL037029.D

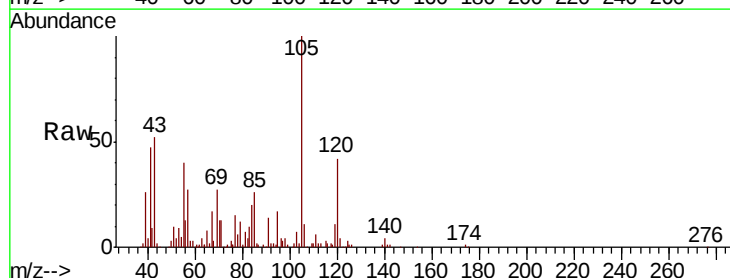
Acq: 20 May 2021 18:32

Tgt Ion:105 Resp: 168949

Ion Ratio Lower Upper

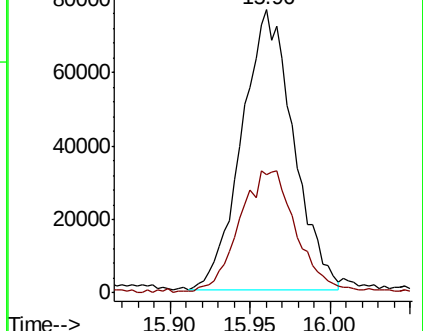
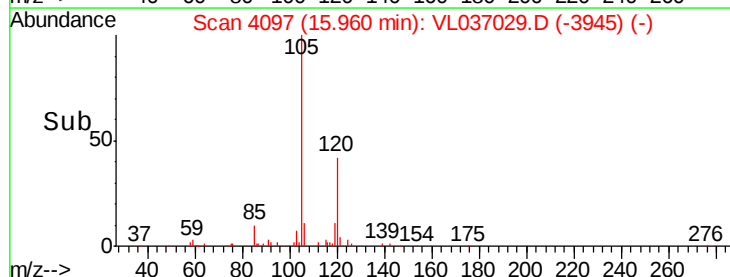
105 100

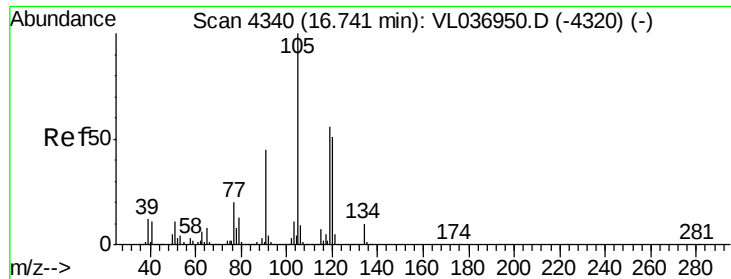
120 41.7 38.6 58.0



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: 0.445 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.01 min

Lab File: VL037029.D

Acq: 20 May 2021 18:32

Instrument :

MSVOA_L

ClientSampleId :

KSV-02

Tot Ion:105 Resp: 177793

Ion Ratio Lower Upper

105 100

120 42.2 40.6 61.0

91 9.4 37.4 56.0#

77 6.6 16.2 24.4#

