

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037006.D
 Acq On : 20 May 2021 00:29
 Operator : SY/AP
 Sample : M2424-10
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08

Quant Time: May 20 06:34:09 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	5.65	49	1126239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3465486	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3241922	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2546485	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	37936	0.199 ppbv	92
3) Chlorodifluoromethane	2.97	51	58126	0.282 ppbv #	88
4) Chloromethane	3.12	50	59620	0.849 ppbv	97
7) Chloroethane	3.54	64	1296	0.052 ppbv #	64
9) Propene	2.99	41	1287177	17.422 ppbv	93
10) Heptane	8.10	43	1296327	7.040 ppbv	96
11) Trichlorofluoromethane	3.93	101	42514	0.240 ppbv	99
13) Ethanol	3.60	45	691005	70.097 ppbv	93
15) Acetone	3.83	43	24748920	214.542 ppbv #	71
16) 1,3-Butadiene	3.34	39	644582	8.994 ppbv #	10
17) tert-Butyl alcohol	4.29	59	486680	4.606 ppbv	96
19) Isopropyl Alcohol	3.96	45	634732	10.236 ppbv #	30
20) Methylene Chloride	4.33	84	3610317	58.385 ppbv	95
21) Allyl Chloride	4.34	41	142923	1.642 ppbv #	76
23) Vinyl Acetate	5.03	43	451851	2.468 ppbv #	1
24) 1,1-Dichloroethane	5.00	63	205899	1.562 ppbv	100
25) Ethyl Acetate	5.66	43	3701400	13.353 ppbv #	83
26) Hexane	5.66	57	4540492	32.063 ppbv #	43
27) Carbon Disulfide	4.53	76	1622734	11.370 ppbv	98
29) Chloroform	5.74	83	85913	0.429 ppbv	99
30) Cyclohexane	7.11	84	420505	3.494 ppbv #	76
31) cis-1,2-Dichloroethene	5.65	61	70665	0.557 ppbv #	24
32) 1,1,1-Trichloroethane	6.49	97	28141	0.131 ppbv #	33
34) 2-Butanone	5.22	43	3954215	31.336 ppbv	100
36) Benzene	6.87	78	893938	2.995 ppbv	99
38) Trichloroethene	7.82	130	6405	0.050 ppbv #	83
39) 1,2-Dichloropropane	7.81	63	8349	0.073 ppbv #	1
40) 1,4-Dioxane	7.81	88	861	0.032 ppbv #	100
41) Tetrahydrofuran	5.95	42	33680	0.469 ppbv #	40
42) Bromodichloromethane	7.78	83	43401	0.194 ppbv #	26
43) Methyl Methacrylate	8.03	69	65840	0.640 ppbv #	1
44) 2,2,4-Trimethylpentane	7.79	57	29352	0.057 ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	167601	0.805 ppbv	97
51) 2-Hexanone	10.10	43	742638	6.746 ppbv #	73
52) Tetrachloroethene	11.20	164	36959	0.311 ppbv	96
53) Toluene	9.78	91	1082338	3.047 ppbv	98
57) Chlorobenzene	12.09	112	64148	0.255 ppbv #	46
58) Ethyl Benzene	12.68	91	271808	0.594 ppbv	95
59) m/p-Xylene	12.94	91	458520	1.212 ppbv	94
60) o-Xylene	13.66	91	204732	0.568 ppbv	96
61) Styrene	13.50	104	37178	0.183 ppbv #	20

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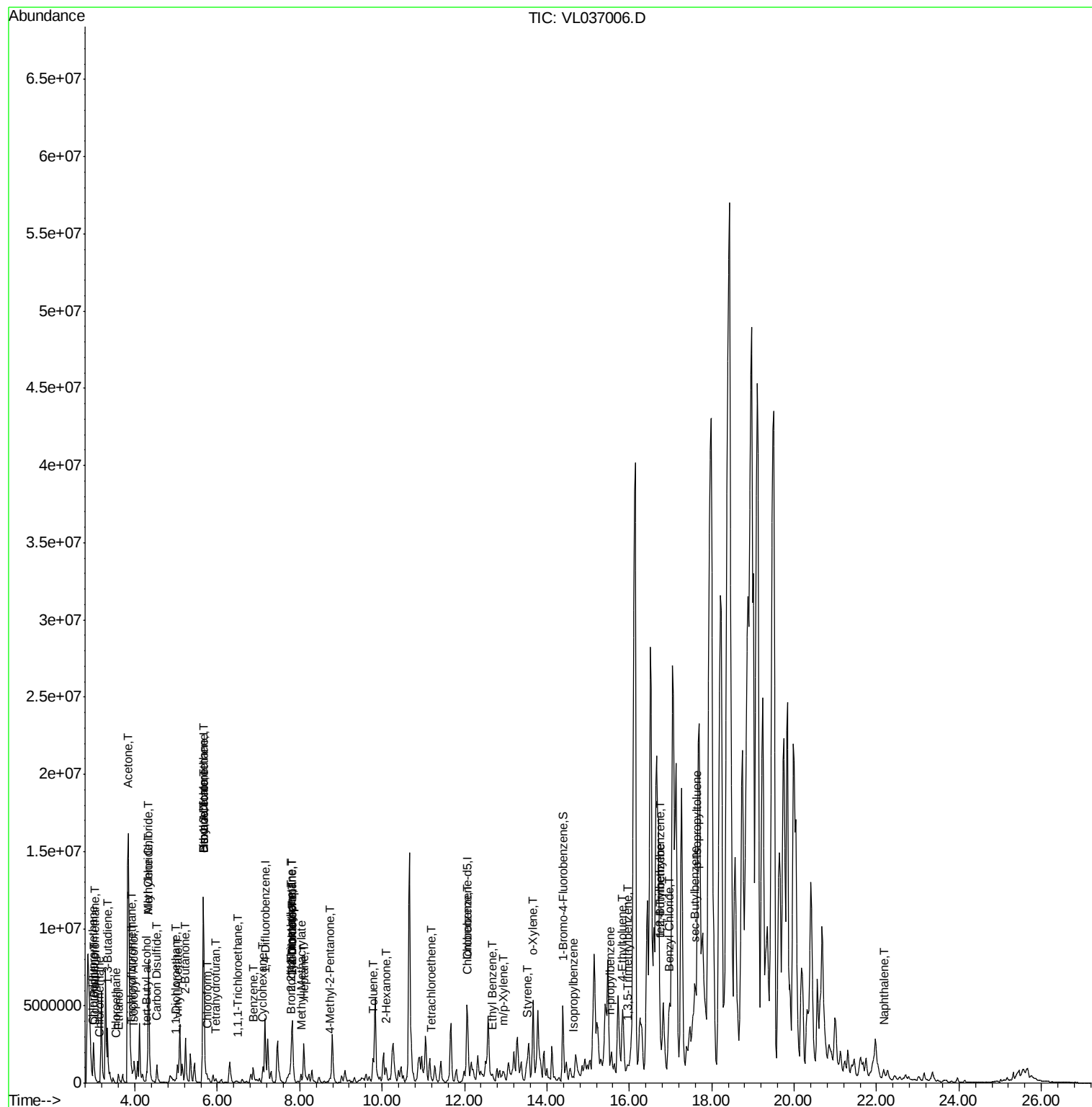
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Isopropylbenzene	14.64	105	99308	0.192	ppbv	99
64) n-propylbenzene	15.54	120	36554	0.273	ppbv #	54
65) tert-Butylbenzene	16.74	119	73695	0.158	ppbv #	67
66) Benzyl Chloride	16.95	91	1104	0.043	ppbv #	1
67) sec-Butylbenzene	17.58	105	73942	0.116	ppbv	96
69) p-Isopropyltoluene	17.64	119	17800	0.032	ppbv #	1
72) 4-Ethyltoluene	15.81	105	188965	0.441	ppbv #	89
73) 1,3,5-Trimethylbenzene	15.98	105	220780	0.549	ppbv	92
74) 1,2,4-Trimethylbenzene	16.74	105	584160	1.405	ppbv #	72
79) Naphthalene	22.18	128	21812	0.067	ppbv #	90

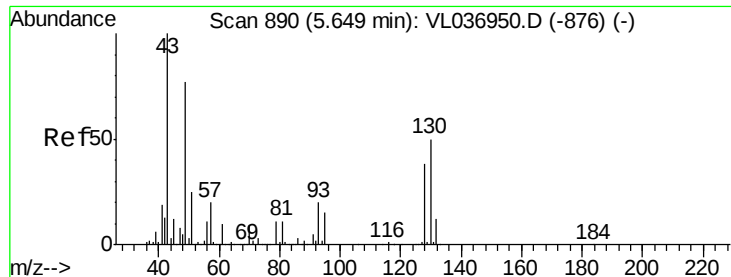
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037006.D

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MSVOA_L

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KSV-08

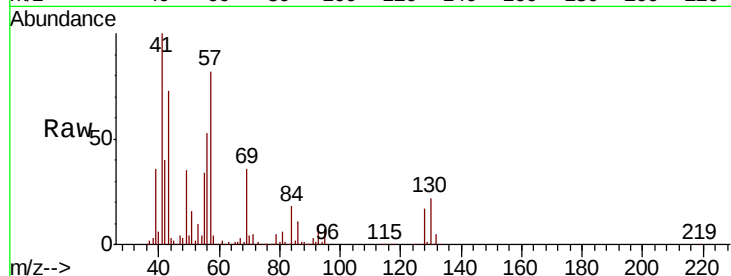
Tot Ion: 49 Resp: 1126239

Ion Ratio Lower Upper

49 100

128 50.5 26.9 80.7

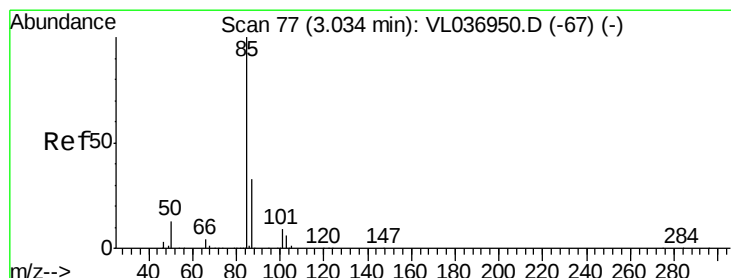
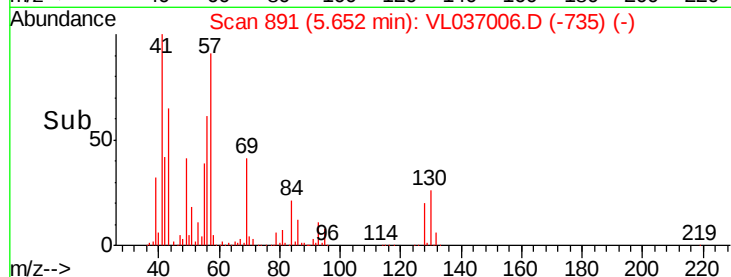
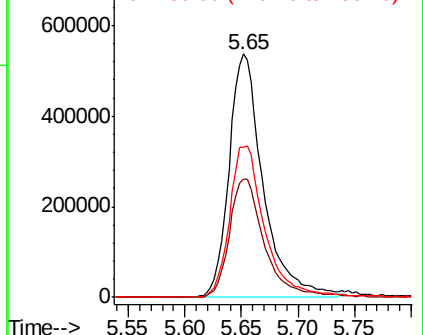
130 65.1 33.8 101.4



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: 0.199 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037006.D

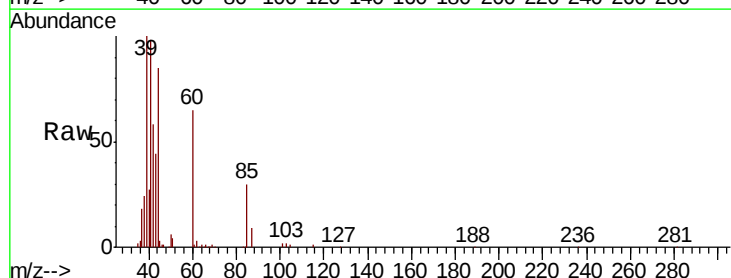
Acq: 20 May 2021 00:29

Tgt Ion: 85 Resp: 37936

Ion Ratio Lower Upper

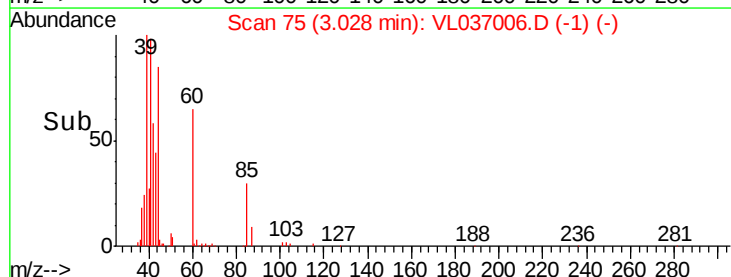
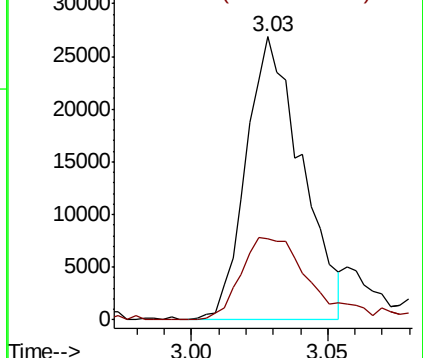
85 100

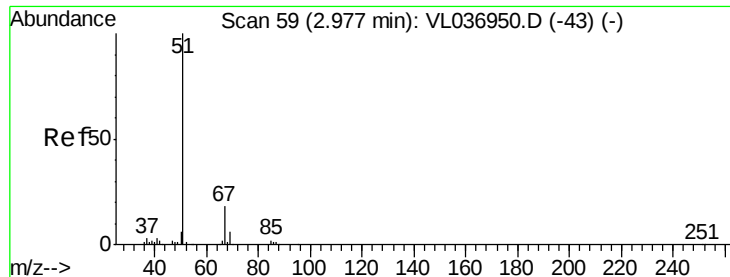
87 28.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.282 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

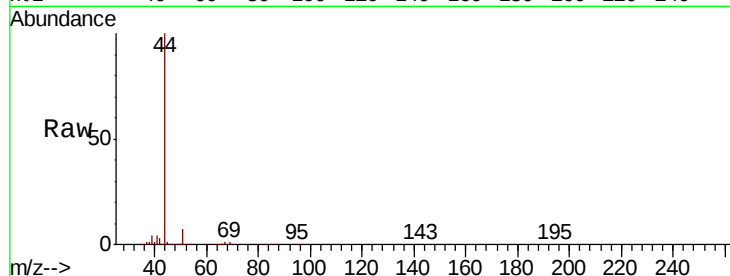
KSV-08

Tot Ion: 51 Resp: 58126

Ion Ratio Lower Upper

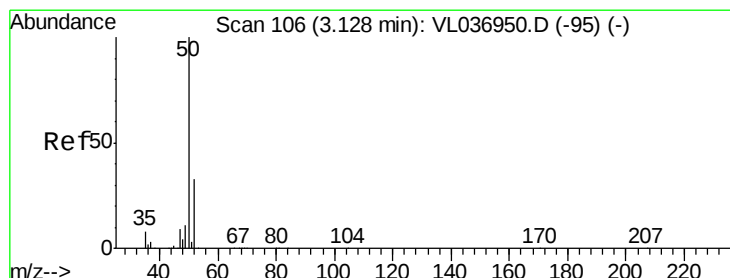
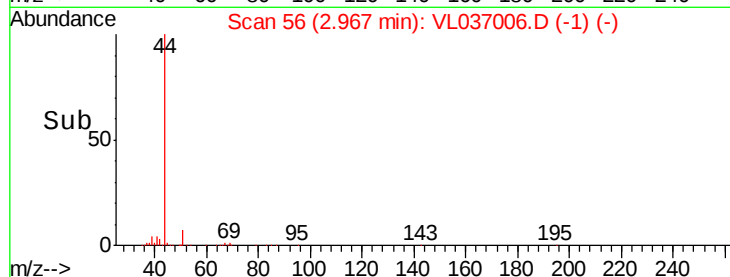
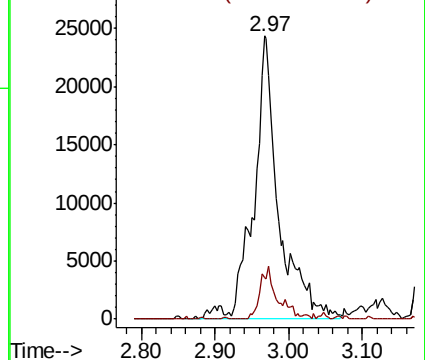
51 100

67 12.9 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.849 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037006.D

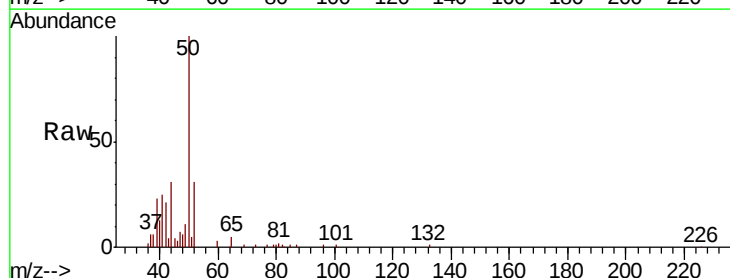
Acq: 20 May 2021 00:29

Tgt Ion: 50 Resp: 59620

Ion Ratio Lower Upper

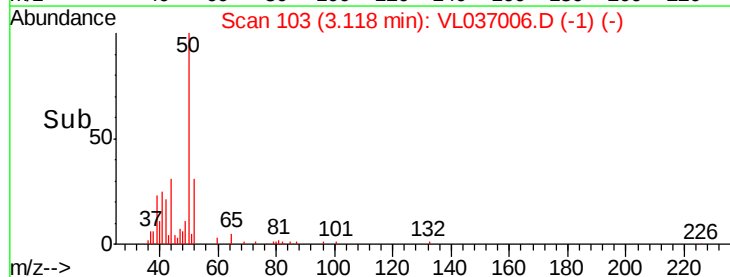
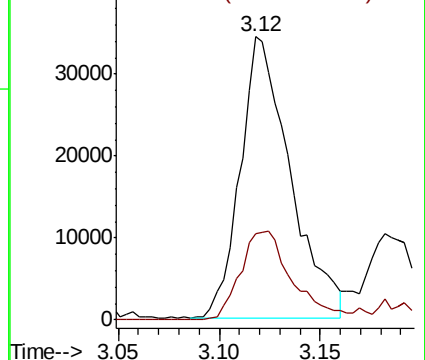
50 100

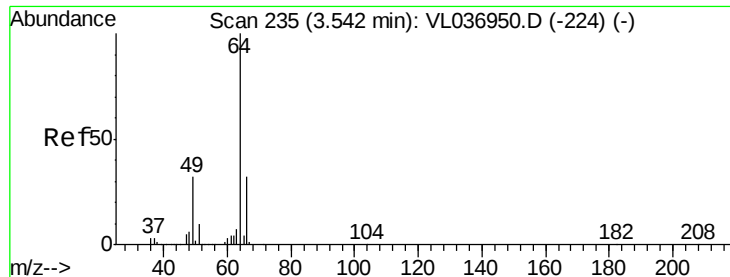
52 30.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.052 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

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ClientSampleId :

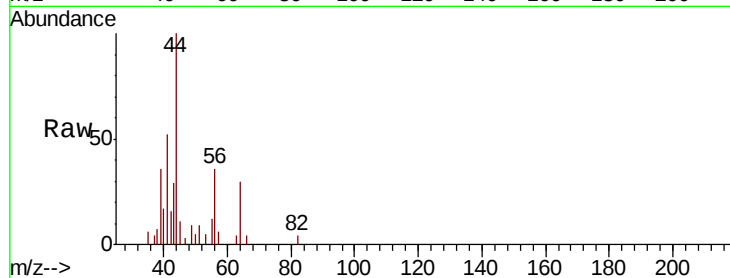
KSV-08

Tot Ion: 64 Resp: 1296

Ion Ratio Lower Upper

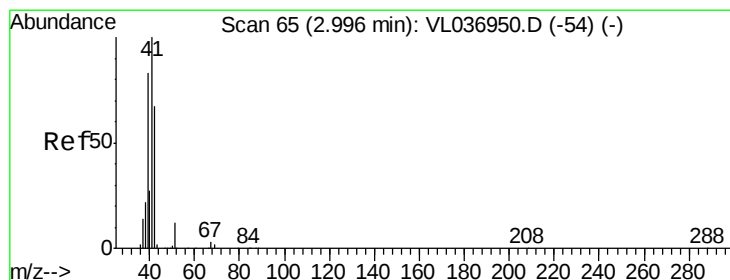
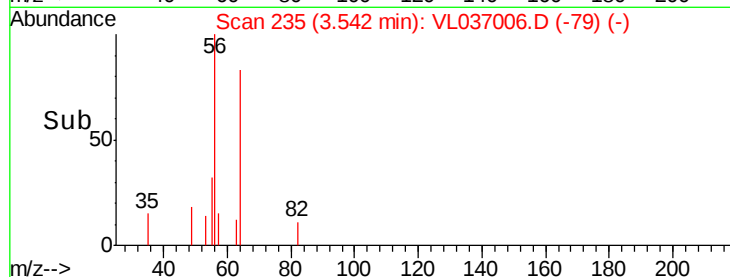
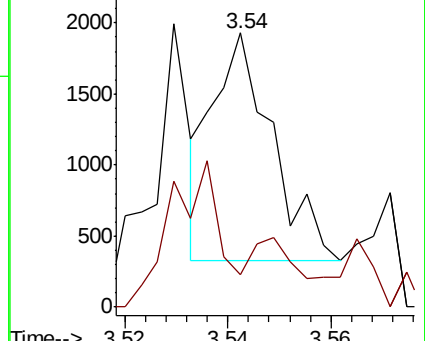
64 100

66 11.7 25.4 38.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 17.422 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037006.D

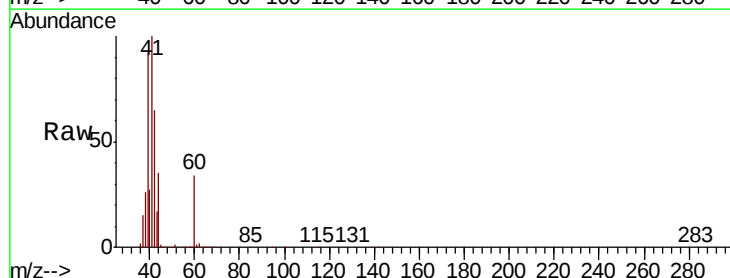
Acq: 20 May 2021 00:29

Tgt Ion: 41 Resp: 1287177

Ion Ratio Lower Upper

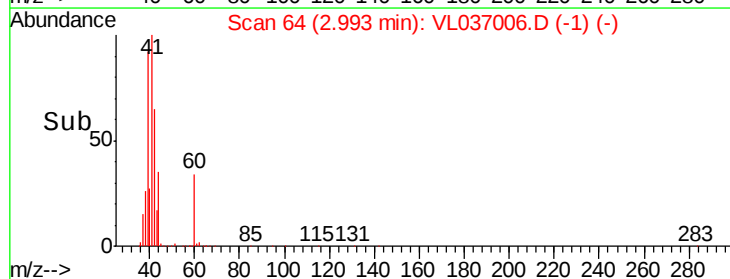
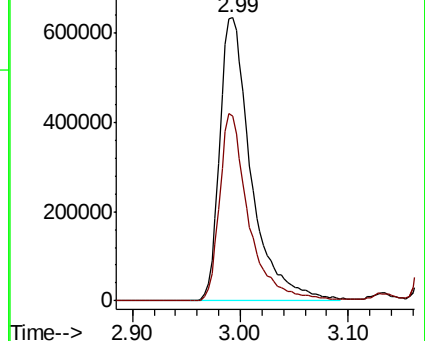
41 100

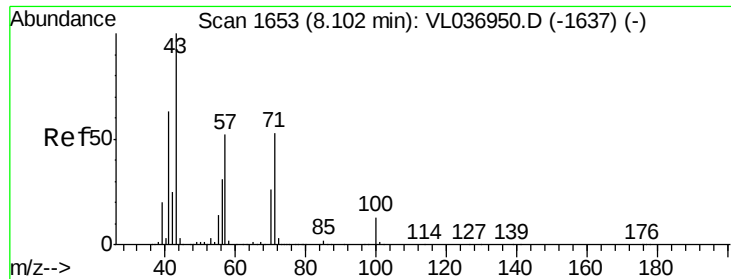
42 61.4 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

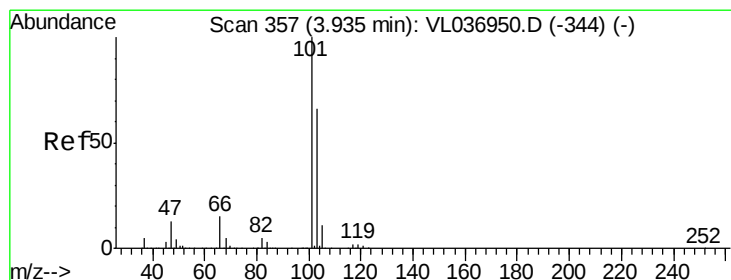
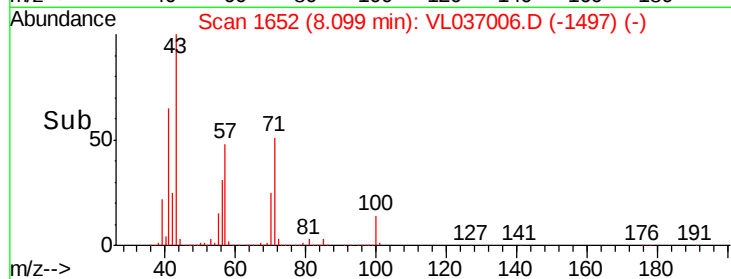
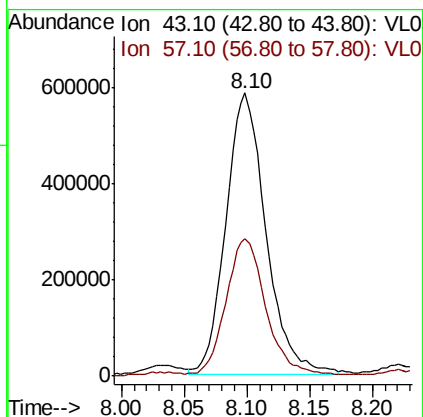
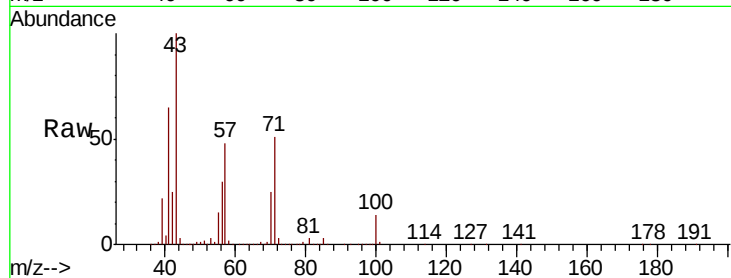




#10
 Heptane
 Concen: 7.040 ppbv
 RT: 8.10 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

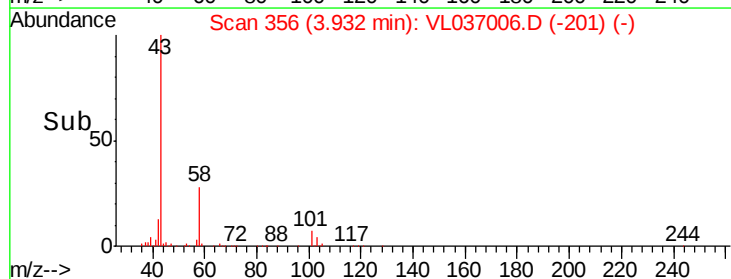
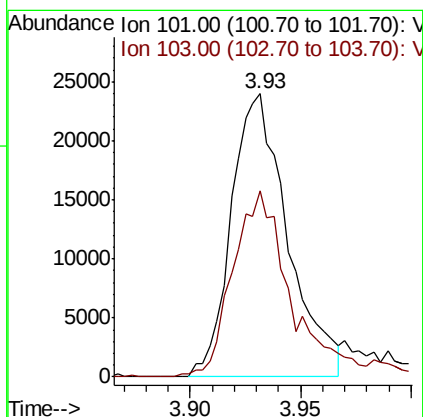
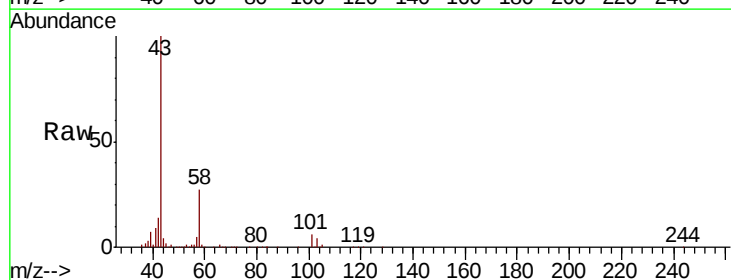
Instrument :
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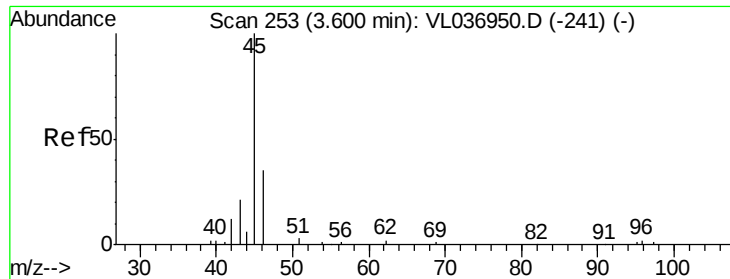
Tot Ion: 43 Resp: 1296327
 Ion Ratio Lower Upper
 43 100
 57 48.3 41.0 61.6



#11
 Trichlorofluoromethane
 Concen: 0.240 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Tgt Ion: 101 Resp: 42514
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 79.0

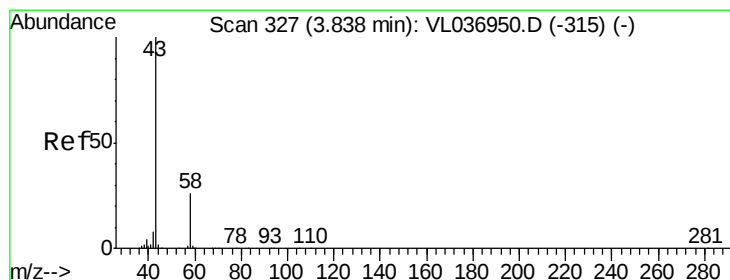
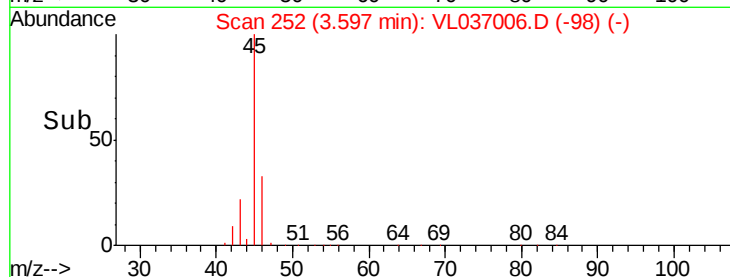
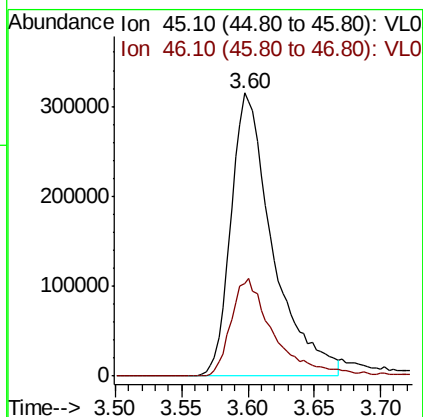
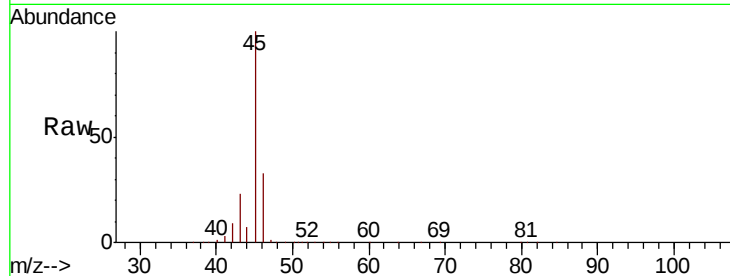




#13
Ethanol
Concen: 70.097 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

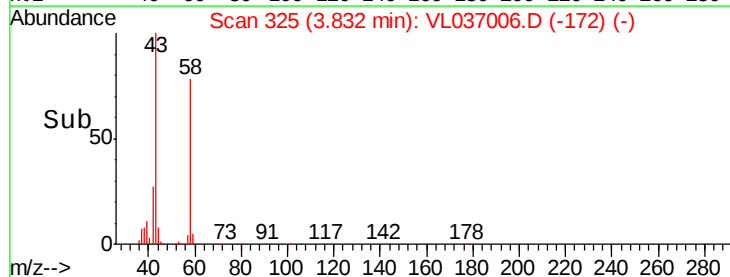
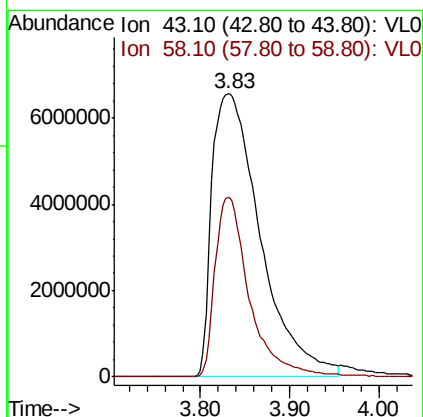
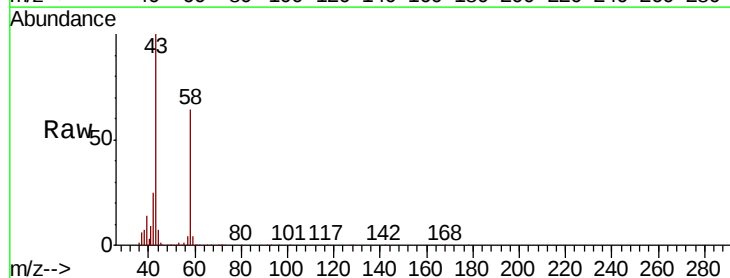
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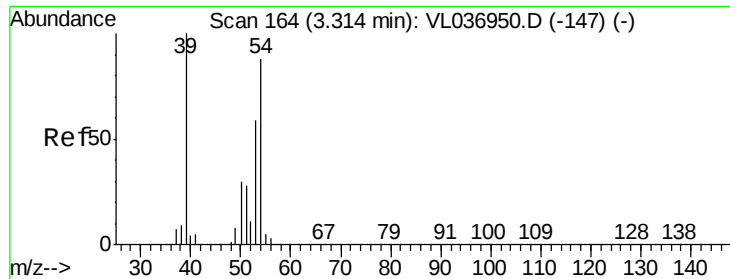
Tot Ion: 45 Resp: 691005
Ion Ratio Lower Upper
45 100
46 36.4 16.3 65.3



#15
Acetone
Concen: 214.542 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

Tgt Ion: 43 Resp: 24748920
Ion Ratio Lower Upper
43 100
58 45.5 24.0 36.0#





#16

1,3-Butadiene

Concen: 8.994 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

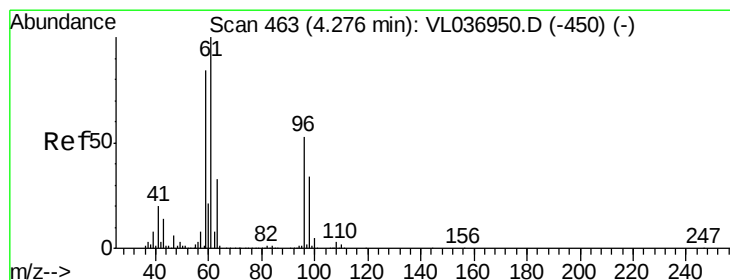
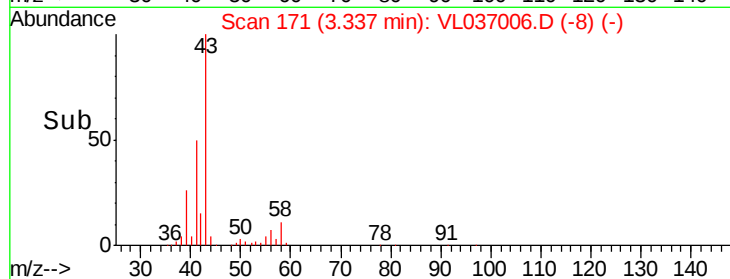
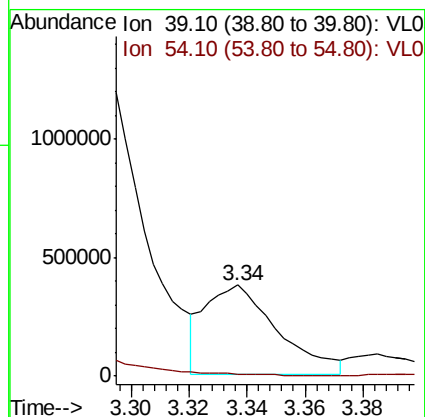
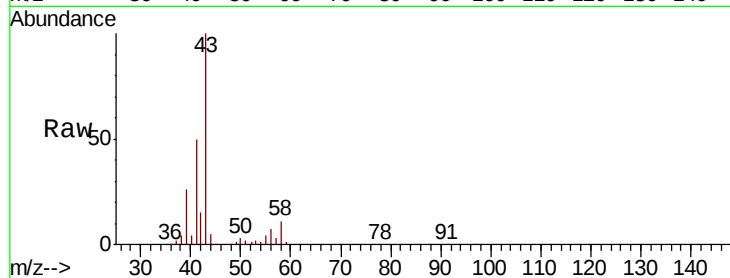
KSV-08

Tot Ion: 39 Resp: 644582

Ion Ratio Lower Upper

39 100

54 0.0 63.2 94.8#



#17

tert-Butyl alcohol

Concen: 4.606 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL037006.D

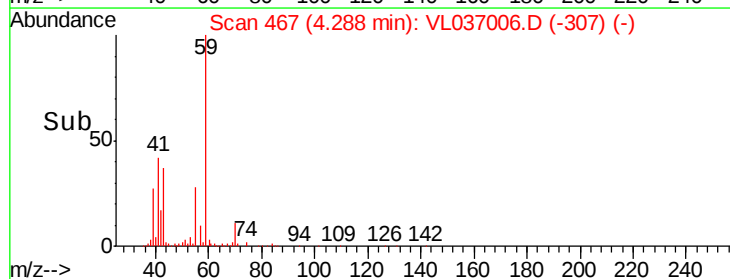
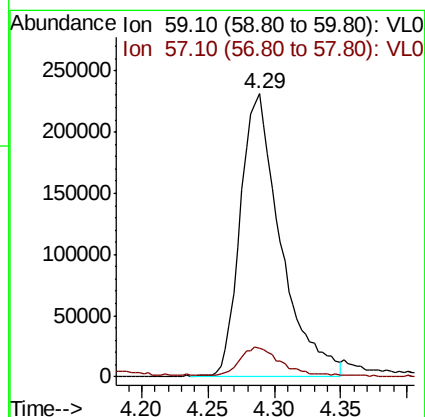
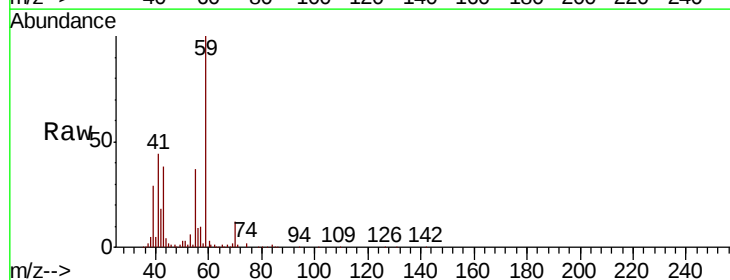
Acq: 20 May 2021 00:29

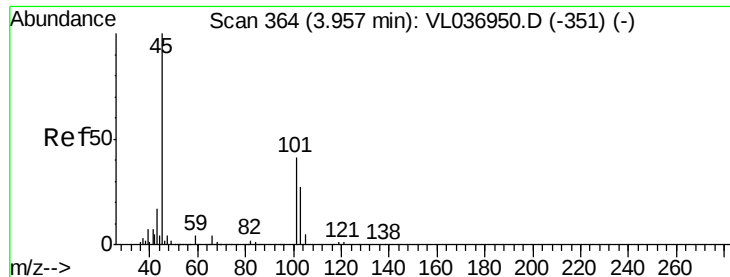
Tgt Ion: 59 Resp: 486680

Ion Ratio Lower Upper

59 100

57 11.8 8.3 12.5



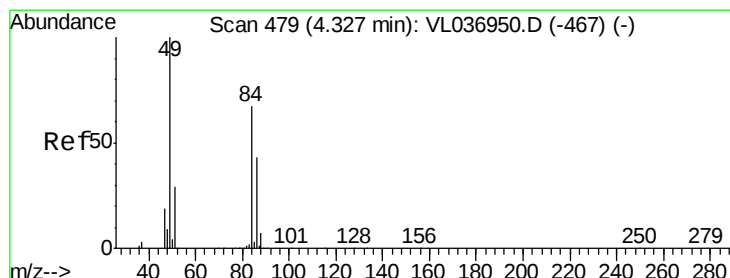
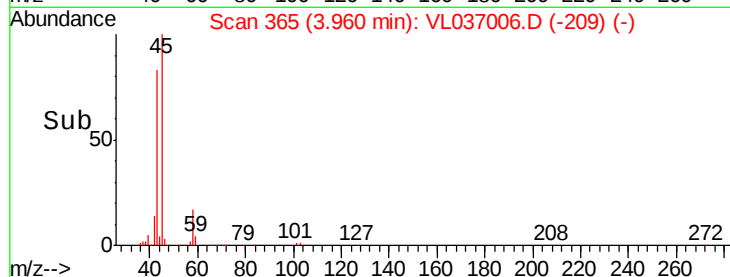
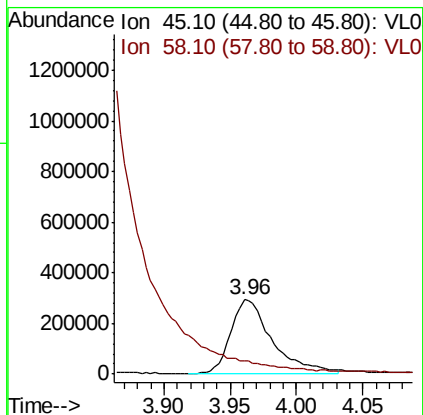
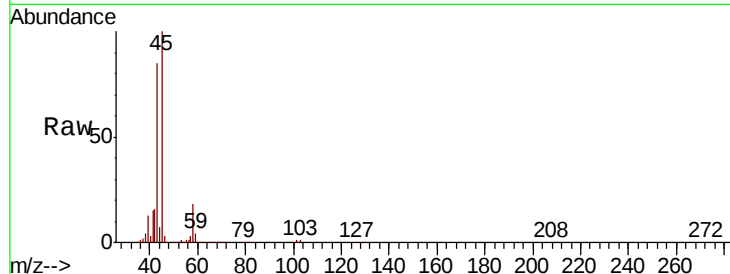


#19

Isopropyl Alcohol
 Concen: 10.236 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Instrument :
 MSVOA_L
 ClientSampleID :
 KSV-08

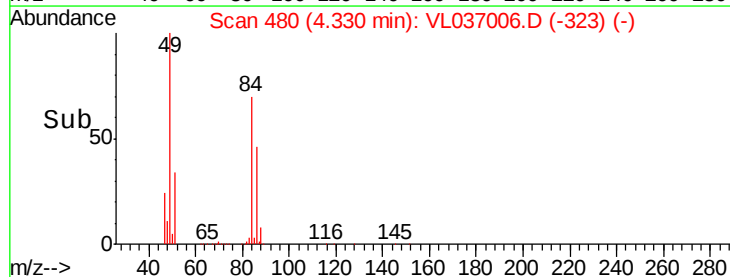
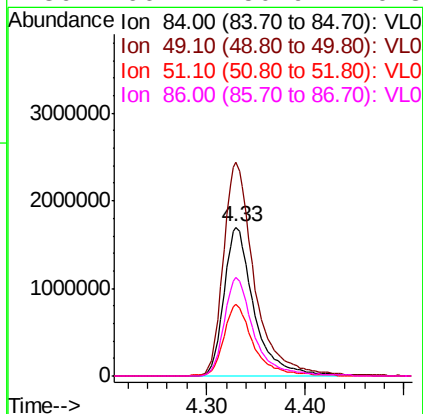
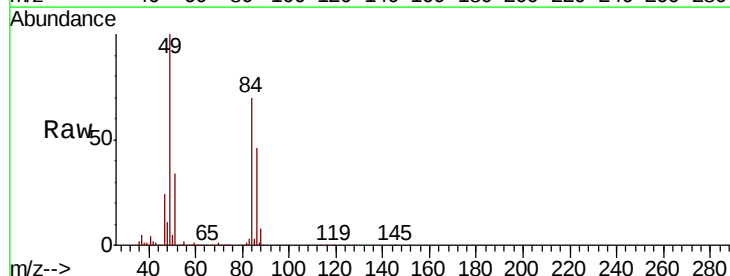
Tot Ion: 45 Resp: 634732
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#

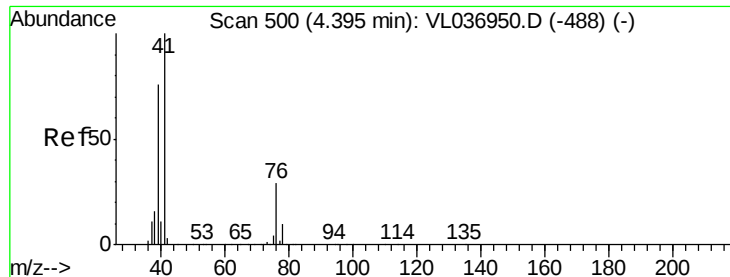


#20

Methylene Chloride
 Concen: 58.385 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Tgt Ion: 84 Resp: 3610317
 Ion Ratio Lower Upper
 84 100
 49 143.3 119.8 179.6
 51 47.9 35.1 52.7
 86 66.2 50.9 76.3





#21

Allvl Chloride

Concen: 1.642 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.05 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

KSV-08

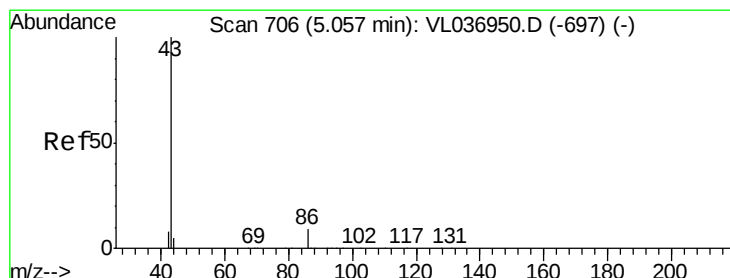
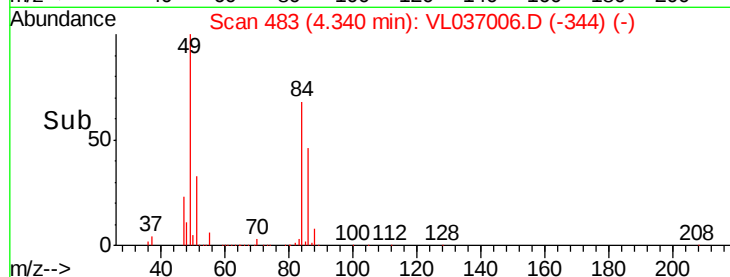
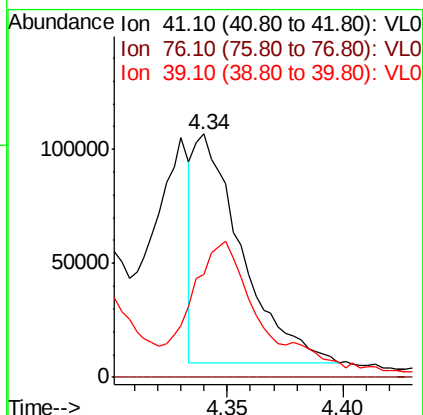
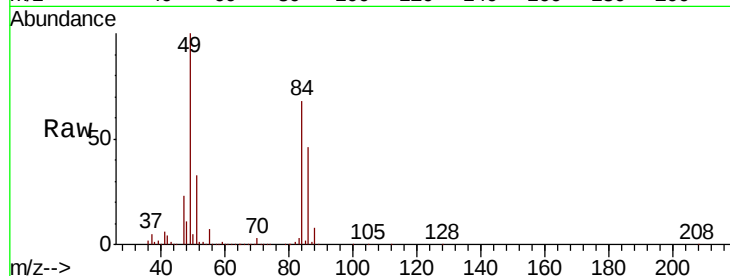
Tot Ion: 41 Resp: 142923

Ion Ratio Lower Upper

41 100

76 0.0 24.9 37.3#

39 89.7 63.7 95.5



#23

Vinyl Acetate

Concen: 2.468 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Tgt Ion: 43 Resp: 451851

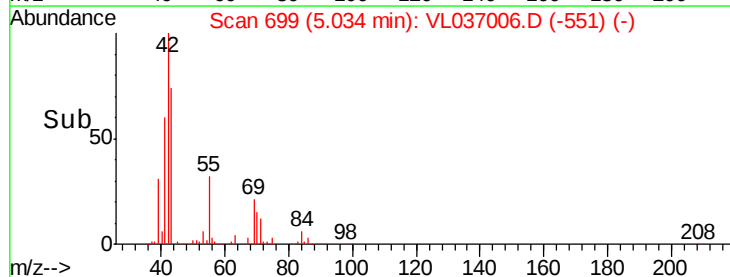
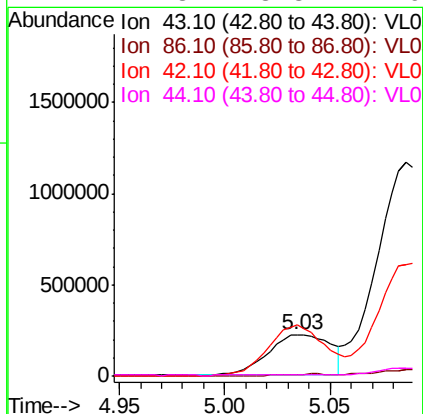
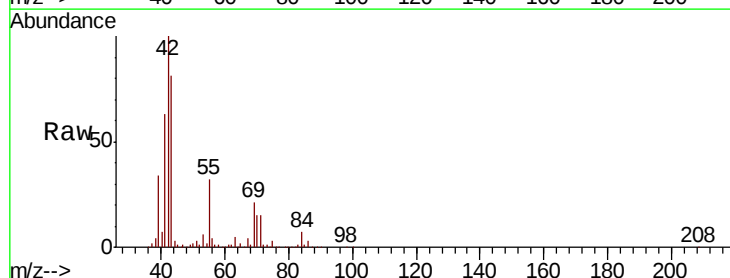
Ion Ratio Lower Upper

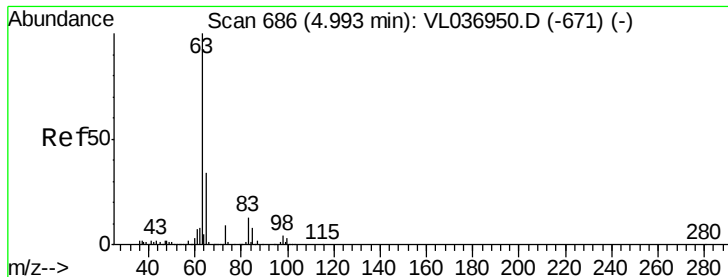
43 100

86 3.7 5.8 8.8#

42 126.0 7.4 11.2#

44 2.3 3.3 4.9#





#24

1,1-Dichloroethane

Concen: 1.562 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

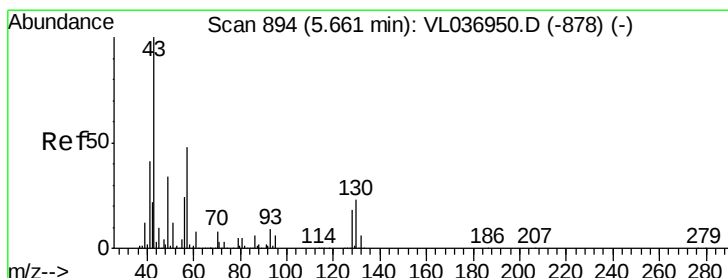
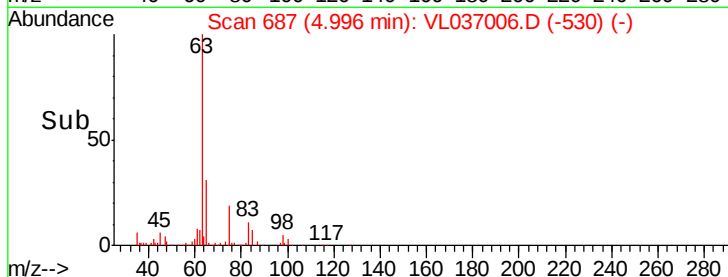
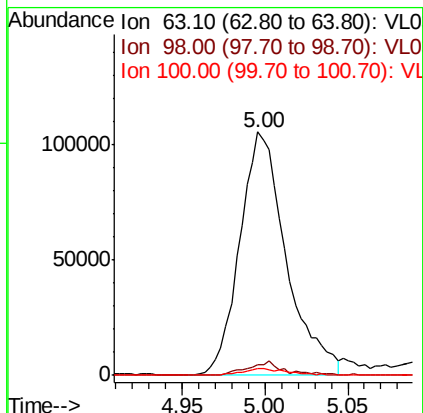
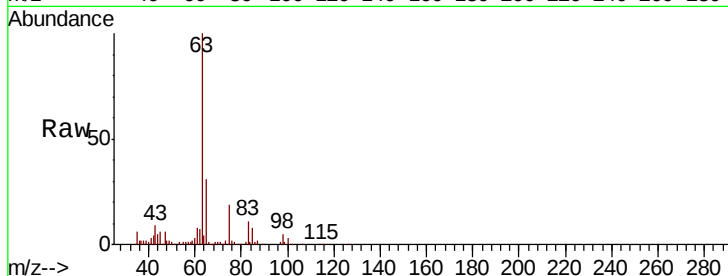
Instrument :

MSVOA_L

ClientSampled :

KSV-08

Tot Ion:	63	Resp:	205899
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.9	1.4	4.0



#25

Ethyl Acetate

Concen: 13.353 ppbv

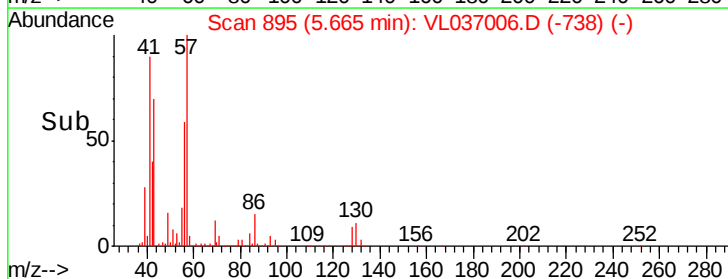
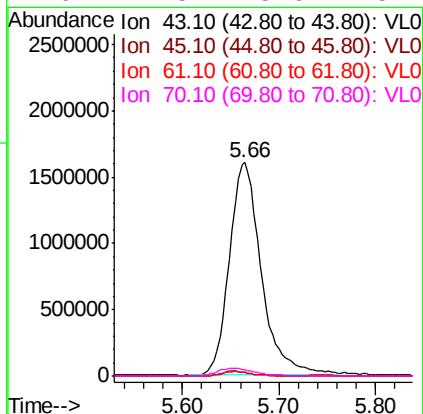
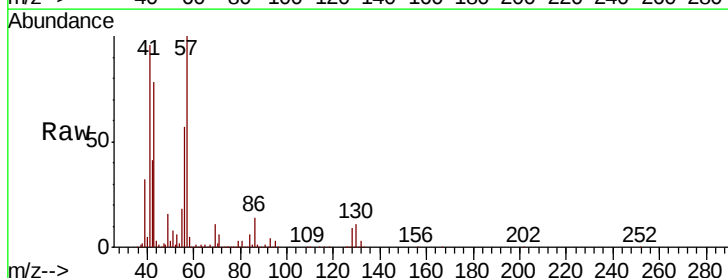
RT: 5.66 min Scan# 895

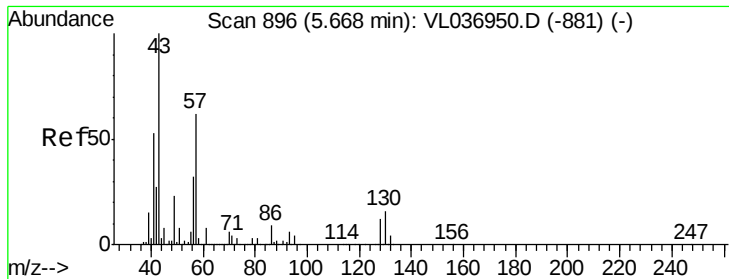
Delta R.T. 0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Tgt Ion:	43	Resp:	3701400
Ion	Ratio	Lower	Upper
43	100		
45	2.1	7.8	11.8#
61	2.0	7.8	11.8#
70	4.5	5.6	8.4#





#26

Hexane

Concen: 32.063 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

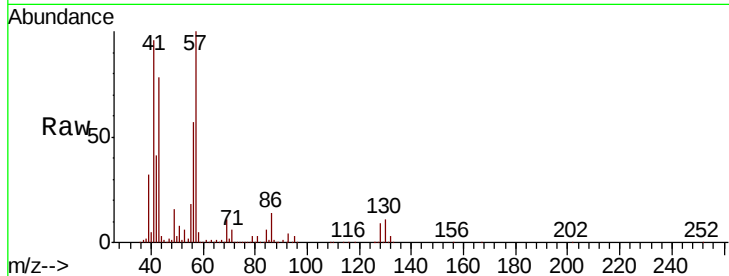
MSVOA_L

ClientSampleId :

KSV-08

Tot Ion: 57 Resp: 4540492

Ion	Ratio	Lower	Upper
57	100		
41	114.6	70.5	105.7#
43	82.9	165.8	248.8#
56	63.0	42.2	63.4



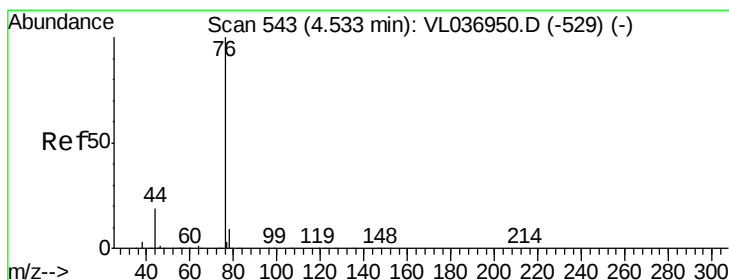
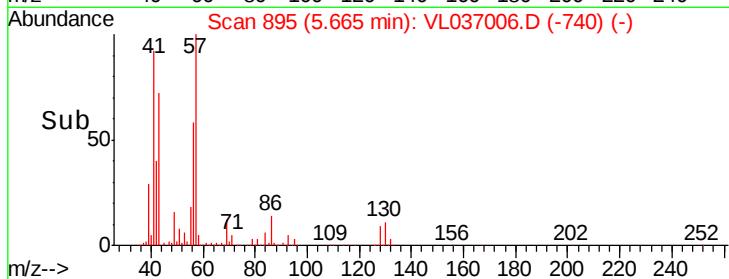
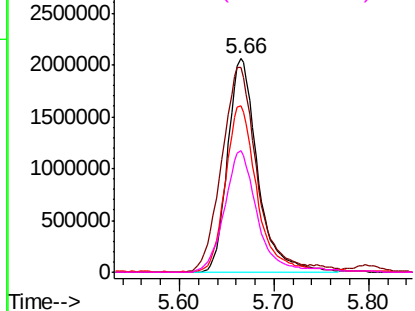
Abundance

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: 11.370 ppbv

RT: 4.53 min Scan# 542

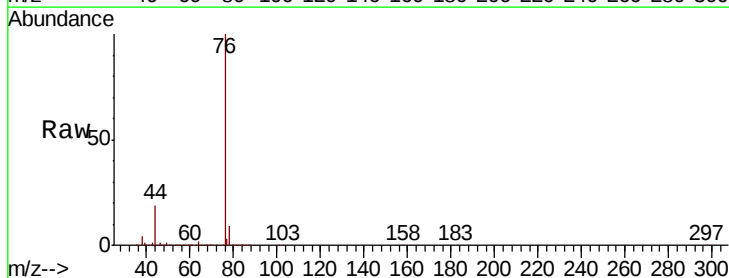
Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Tgt Ion: 76 Resp: 1622734

Ion	Ratio	Lower	Upper
76	100		
44	18.7	15.5	23.3
78	9.2	7.8	11.6

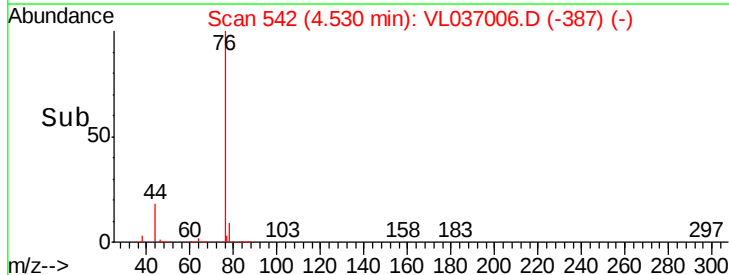
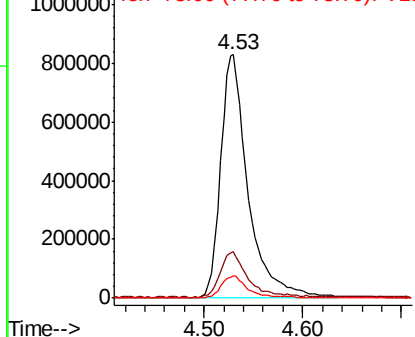


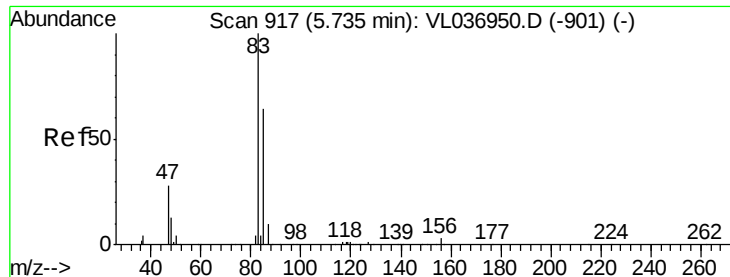
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.429 ppbv

RT: 5.74 min Scan# 919

Delta R.T. 0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

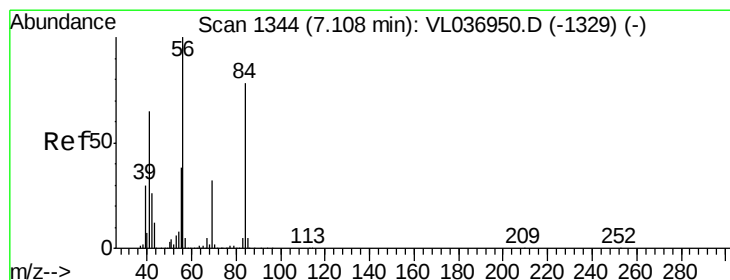
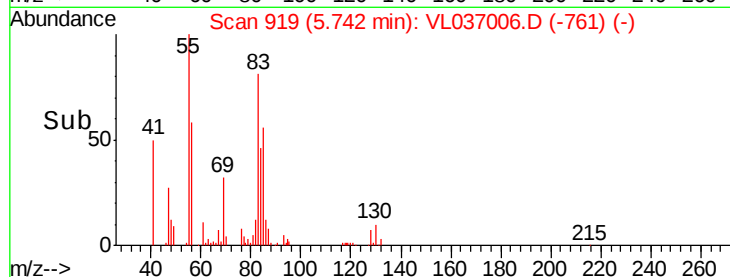
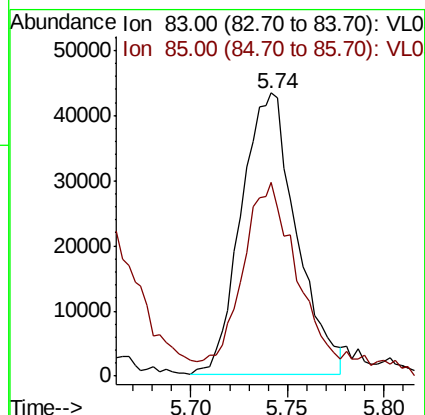
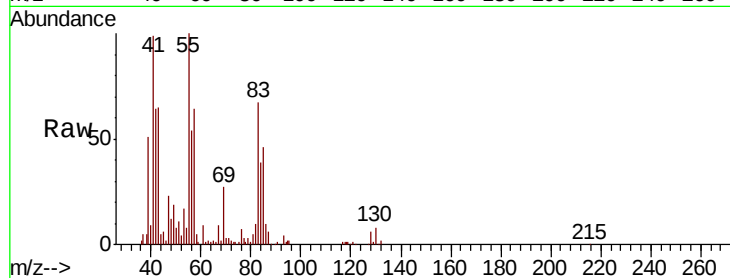
KSV-08

Tot Ion: 83 Resp: 85913

Ion Ratio Lower Upper

83 100

85 63.4 51.1 76.7



#30

Cyclohexane

Concen: 3.494 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

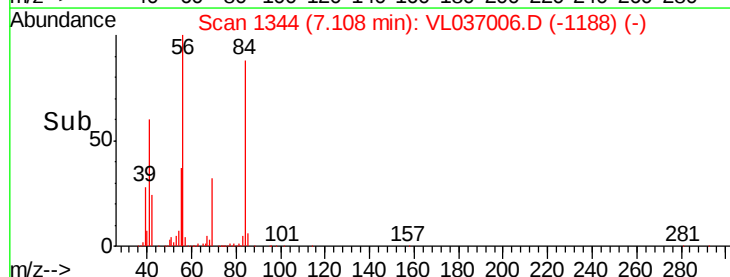
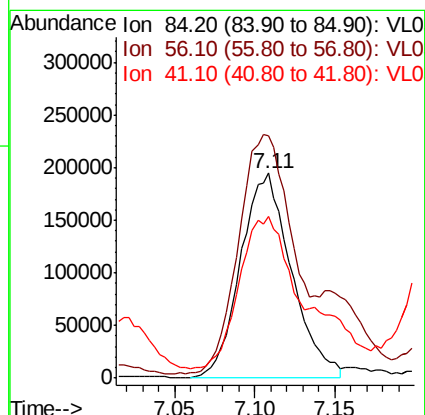
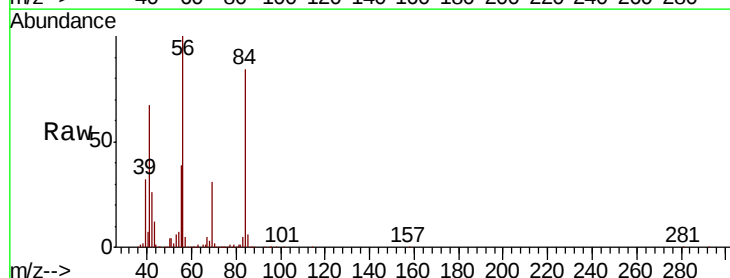
Tgt Ion: 84 Resp: 420505

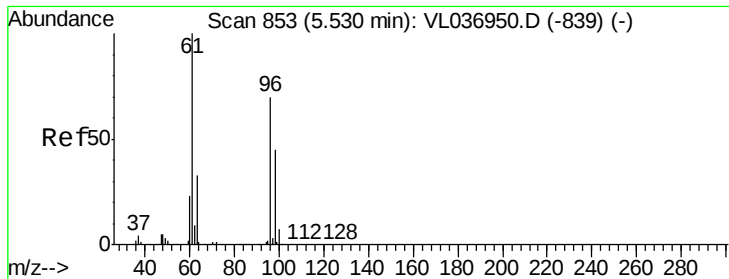
Ion Ratio Lower Upper

84 100

56 160.8 107.9 161.9

41 106.5 65.5 98.3#



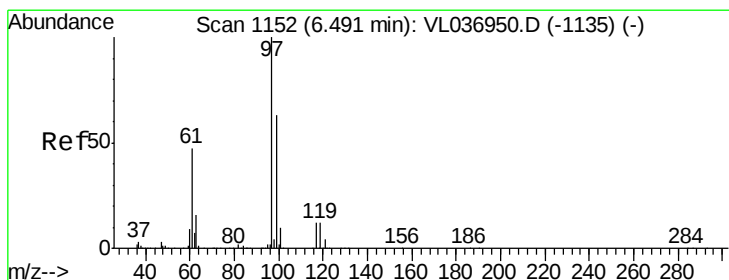
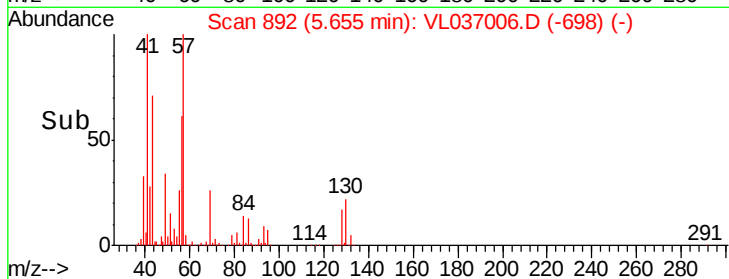
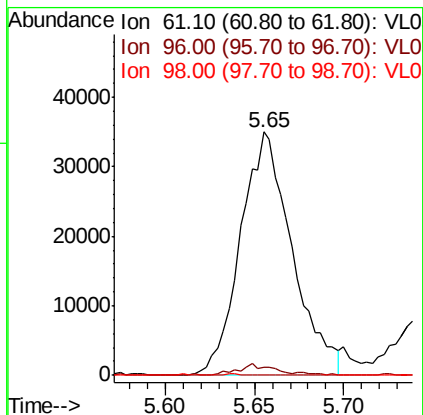
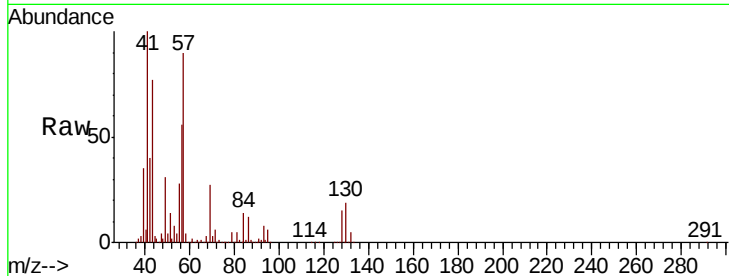


#31

cis-1,2-Dichloroethene
 Concen: 0.557 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.13 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08

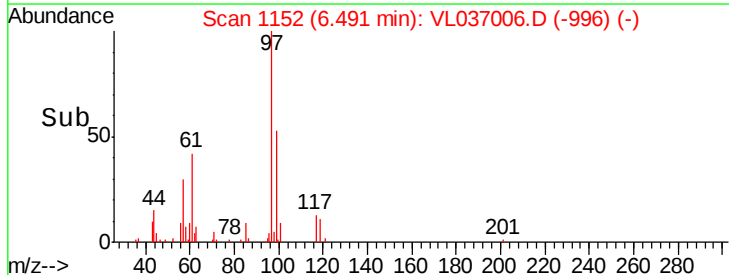
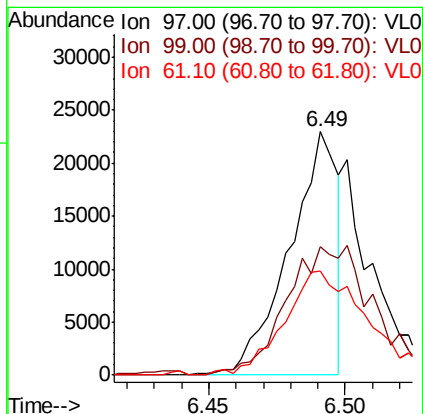
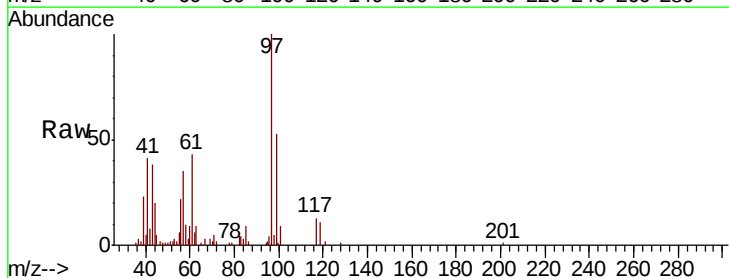
Tot Ion	Ratio	Lower	Upper
61	100		
96	3.1	55.9	83.9#
98	0.0	35.6	53.4#

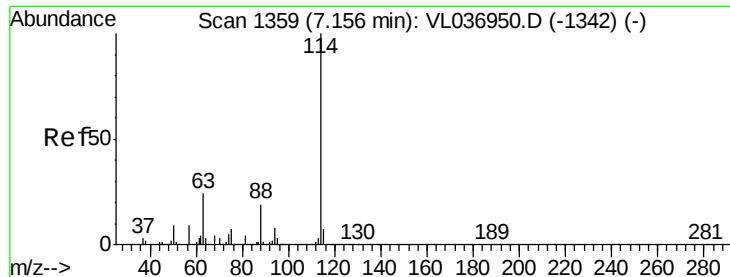


#32

1,1,1-Trichloroethane
 Concen: 0.131 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	77.3	37.6	56.4#



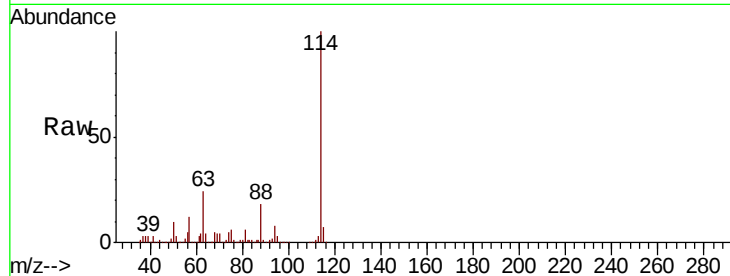


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

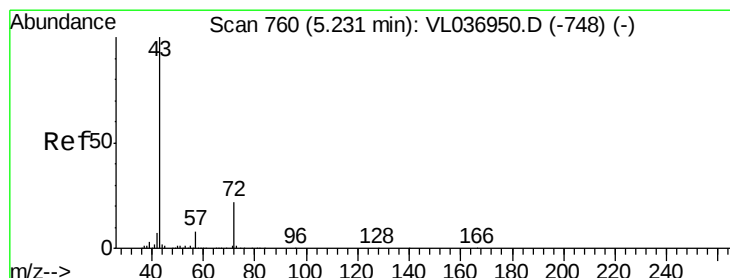
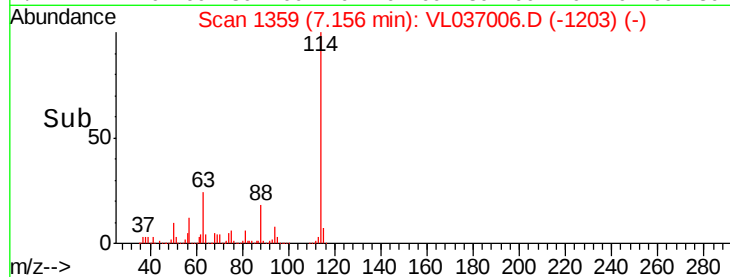
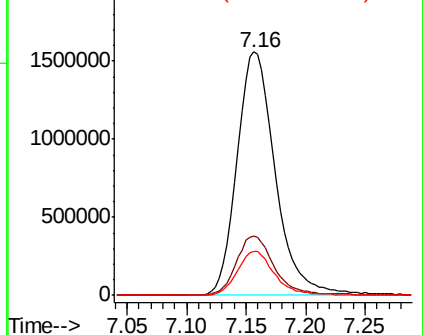
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08

Tot Ion:114 Resp: 3465486

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.8	14.6	21.8



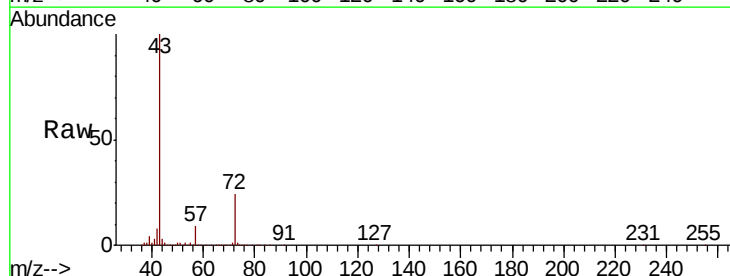
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



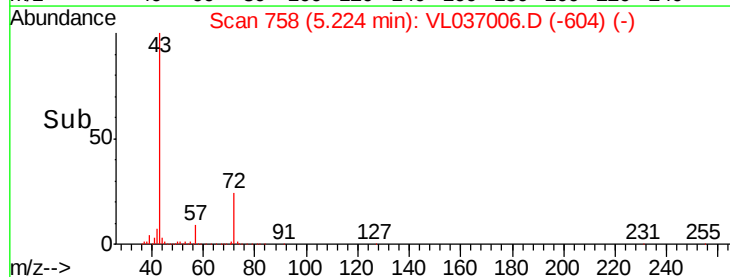
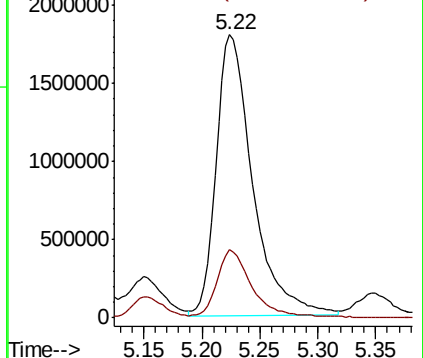
#34
 2-Butanone
 Concen: 31.336 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

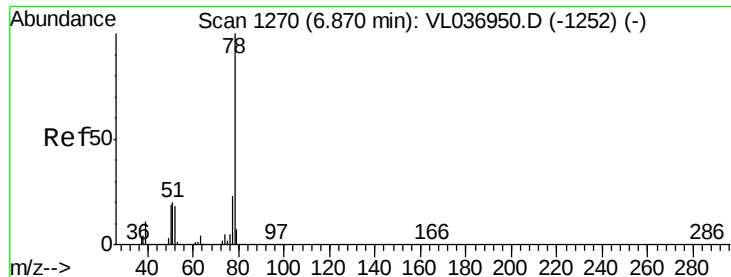
Tgt Ion: 43 Resp: 3954215

Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.0	28.4



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





#36

Benzene

Concen: 2.995 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

KSV-08

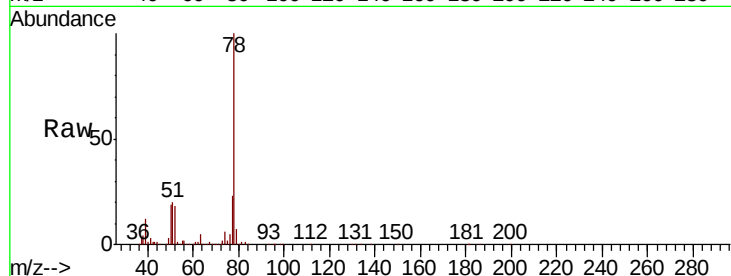
Tot Ion: 78 Resp: 893938

Ion Ratio Lower Upper

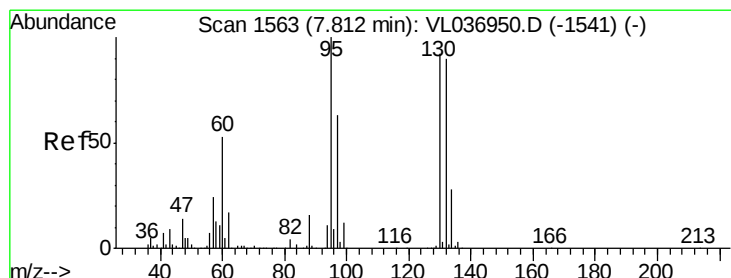
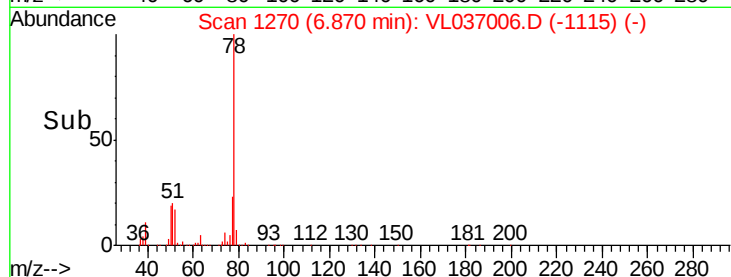
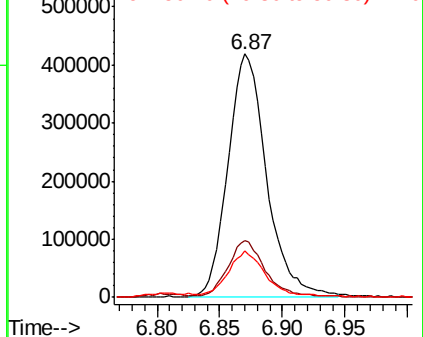
78 100

77 22.8 18.6 28.0

50 18.6 15.0 22.4



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



#38

Trichloroethene

Concen: 0.050 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Tgt Ion:130 Resp: 6405

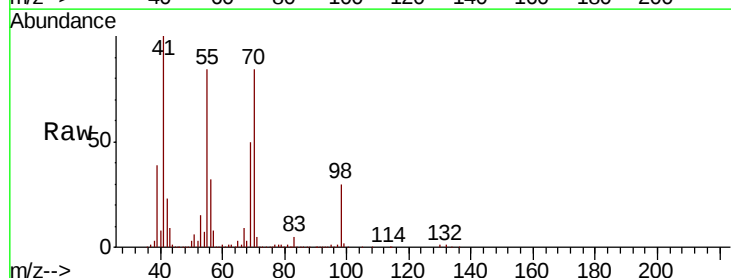
Ion Ratio Lower Upper

130 100

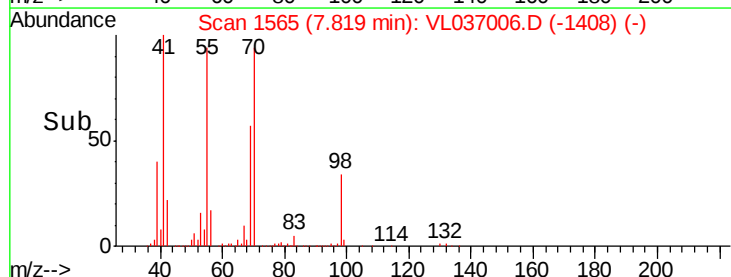
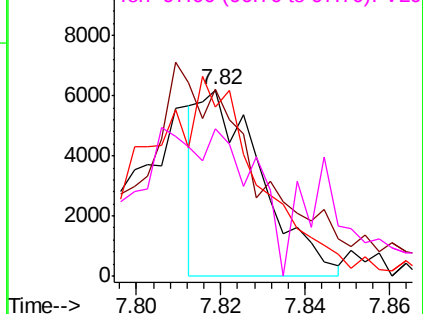
95 86.1 86.9 130.3#

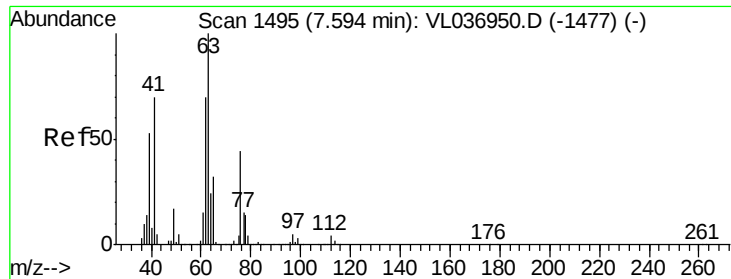
132 84.5 78.4 117.6

97 55.8 55.0 82.6



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

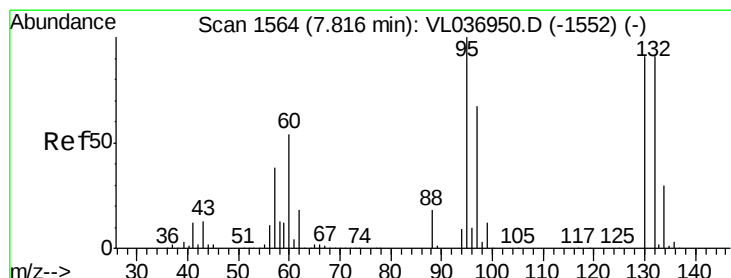
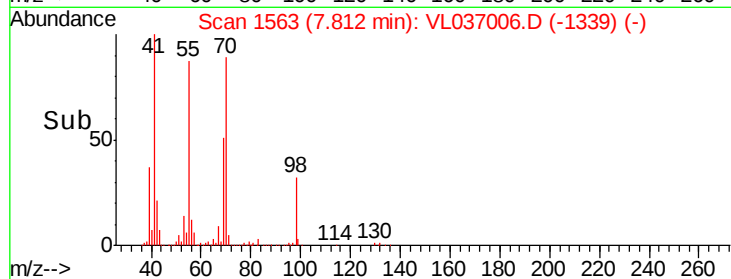
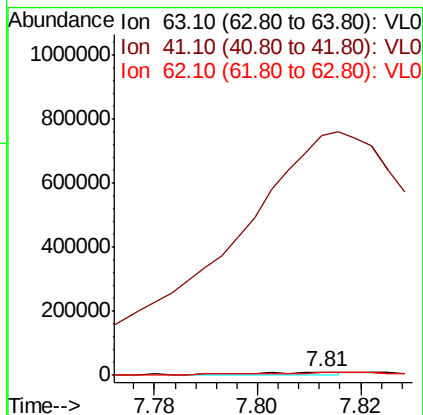
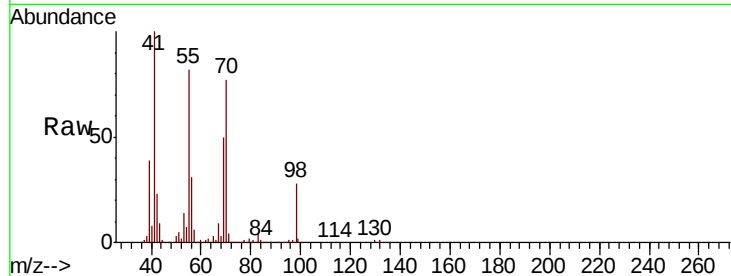




#39
 1,2-Dichloropropane
 Concen: 0.073 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. 0.22 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

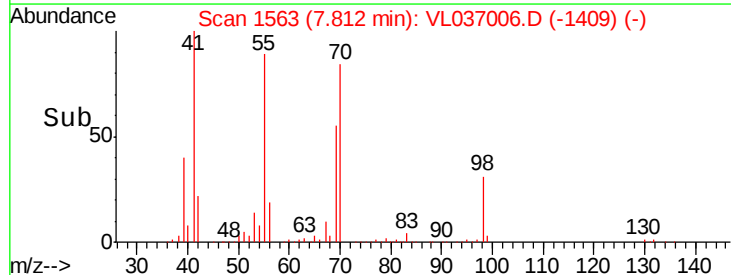
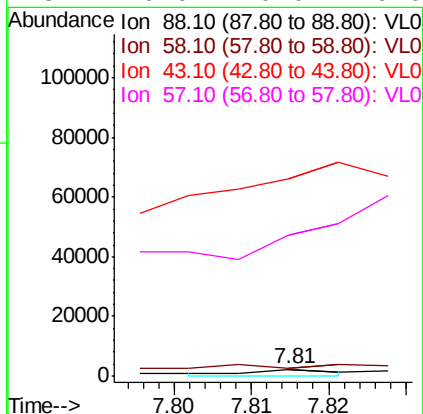
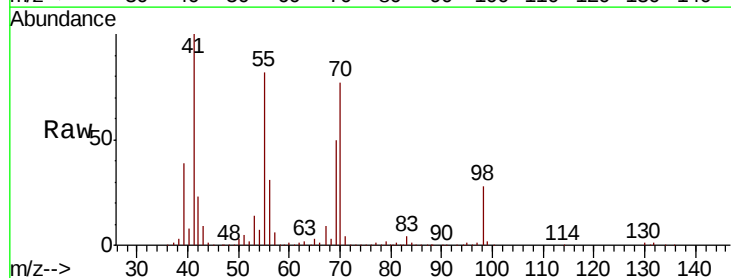
Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-08

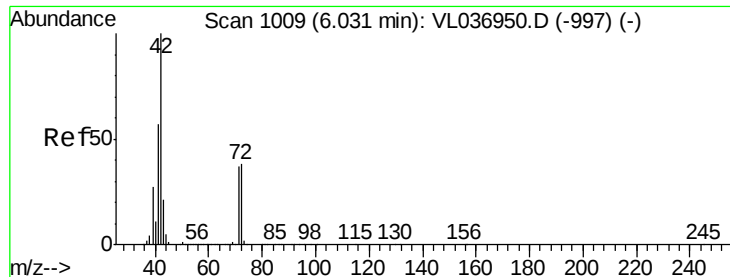
Tot Ion: 63 Resp: 8349
 Ion Ratio Lower Upper
 63 100
 41 5276.1 55.7 83.5#
 62 61.6 56.2 84.4



#40
 1,4-Dioxane
 Concen: 0.032 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Tgt Ion: 88 Resp: 861
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 26875.5 0.0 0.0#
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.469 ppbv

RT: 5.95 min Scan# 985

Delta R.T. -0.08 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampled :

KSV-08

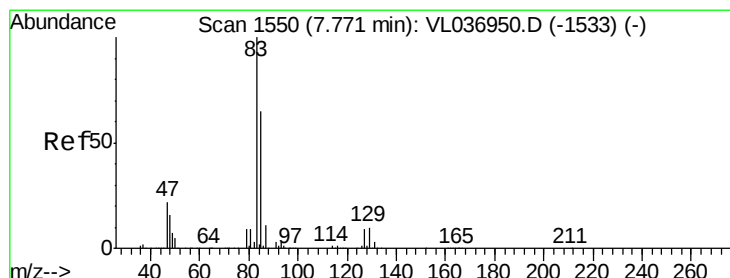
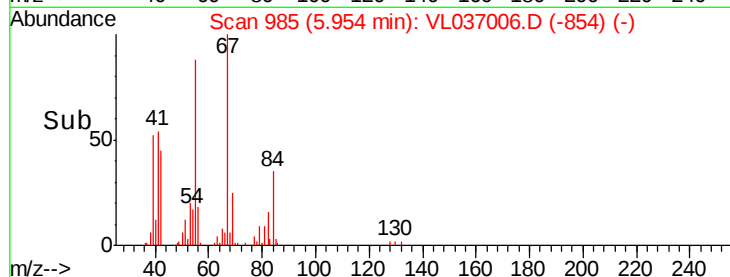
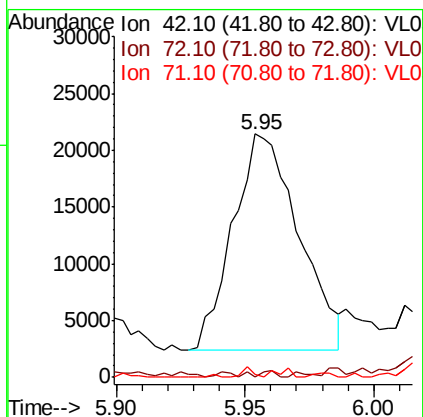
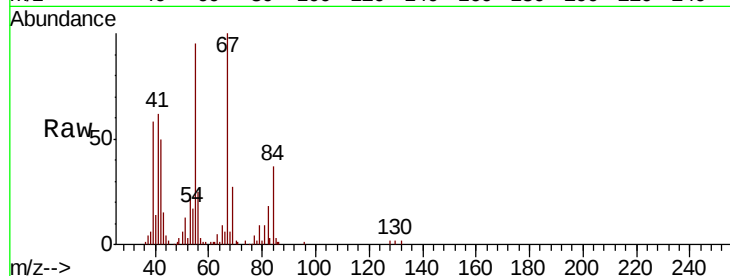
Tot Ion: 42 Resp: 33680

Ion Ratio Lower Upper

42 100

72 4.3 31.4 47.2#

71 0.0 30.4 45.6#



#42

Bromodichloromethane

Concen: 0.194 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

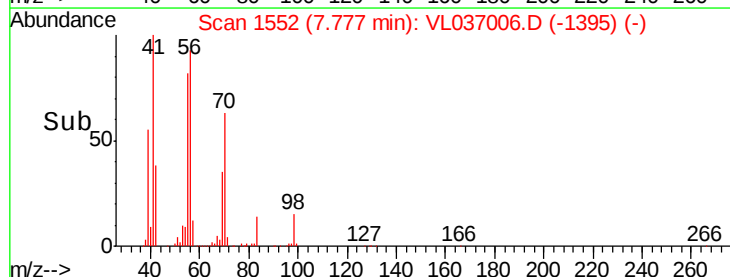
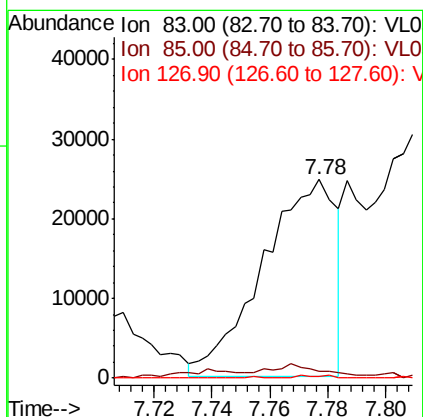
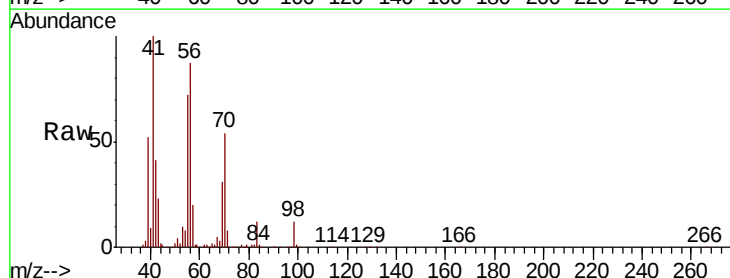
Tgt Ion: 83 Resp: 43401

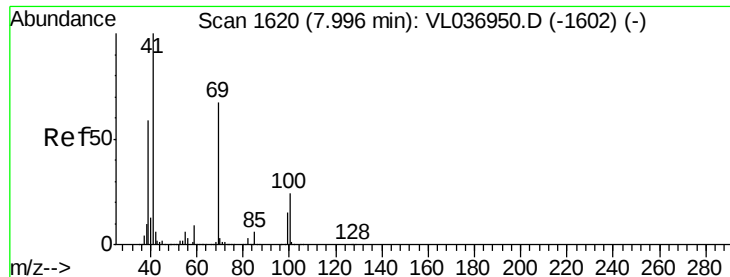
Ion Ratio Lower Upper

83 100

85 0.8 51.7 77.5#

127 0.7 6.9 10.3#

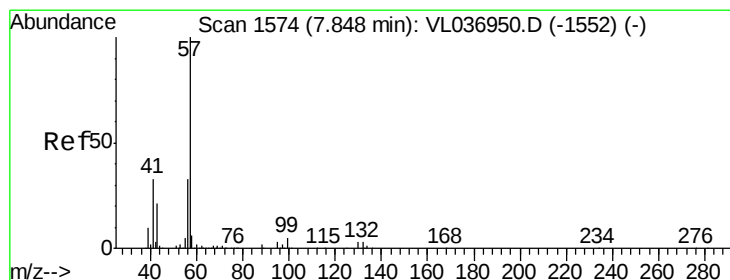
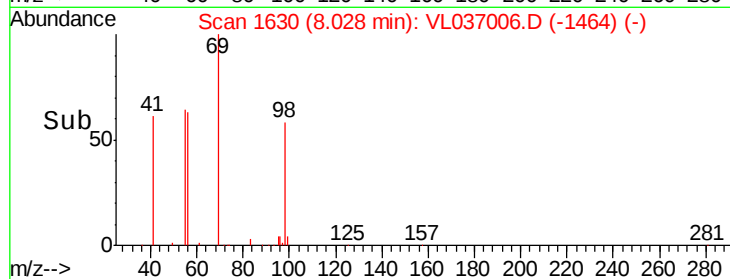
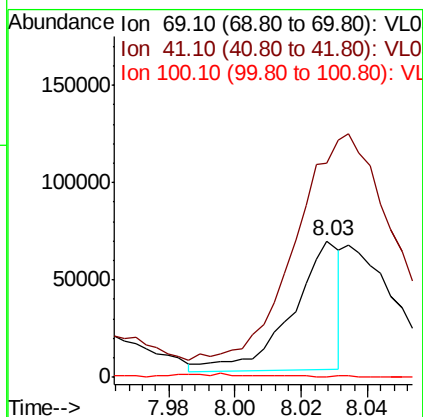
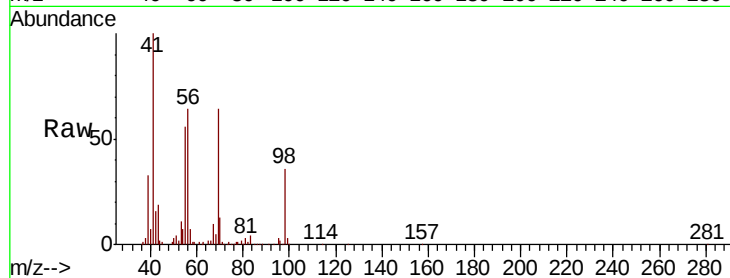




#43
Methyl Methacrylate
Concen: 0.640 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.03 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

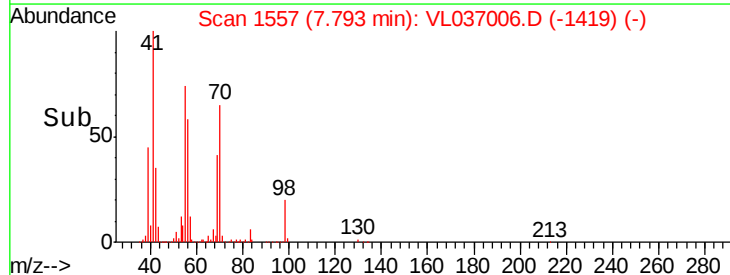
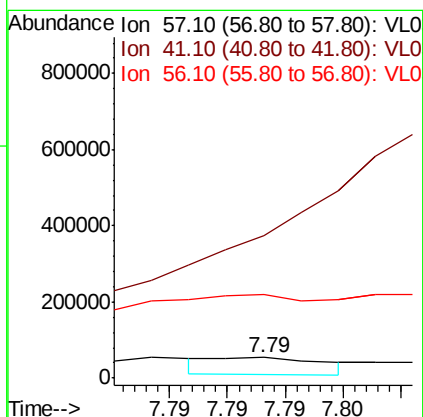
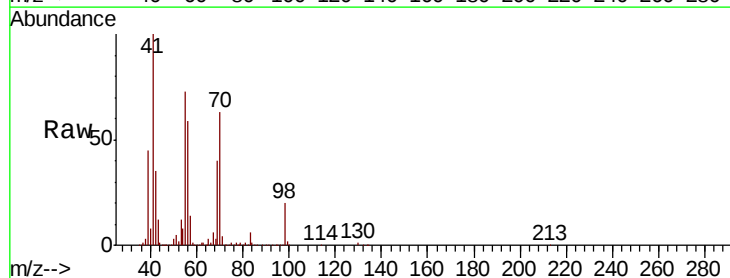
Instrument :
MSVOA_L
ClientSampleID :
KSV-08

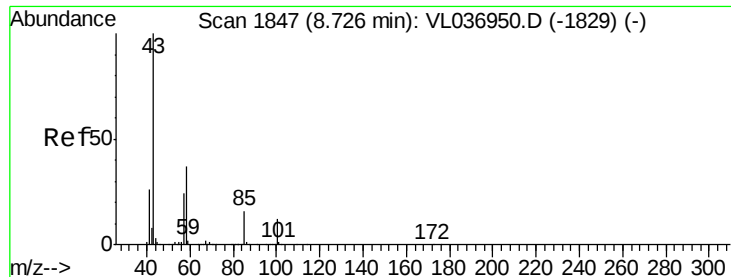
Tot Ion: 69 Resp: 65840
Ion Ratio Lower Upper
69 100
41 0.0 118.6 178.0#
100 0.0 28.2 42.4#



#44
2,2,4-Trimethylpentane
Concen: 0.057 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

Tgt Ion: 57 Resp: 29352
Ion Ratio Lower Upper
57 100
41 9046.6 27.0 40.4#
56 3836.8 25.4 38.2#

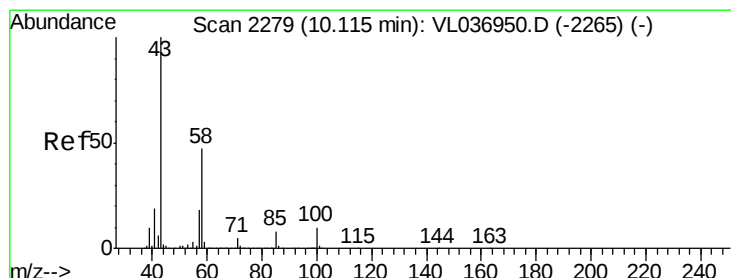
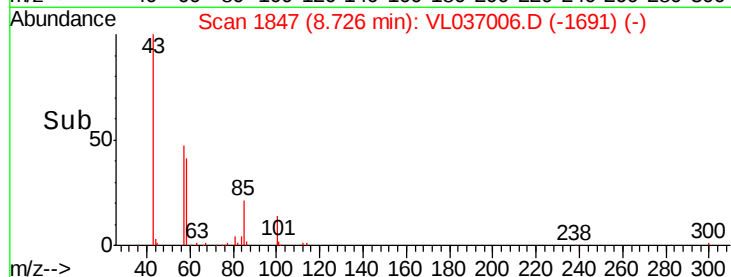
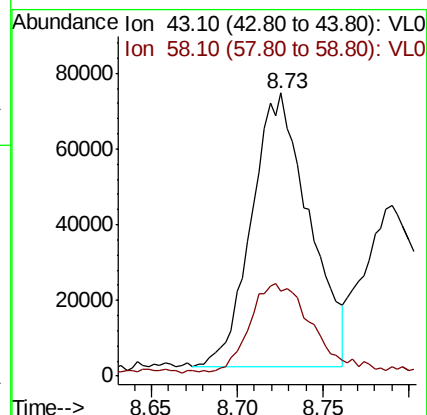
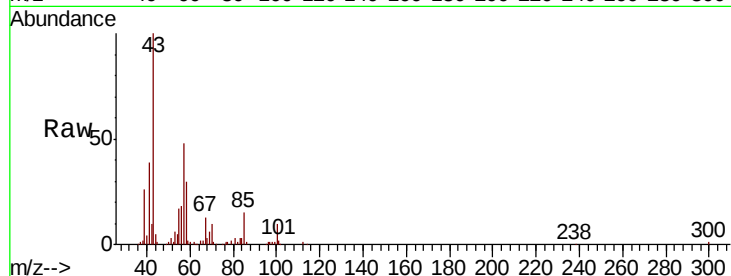




#50
4-Methyl-2-Pentanone
Concen: 0.805 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

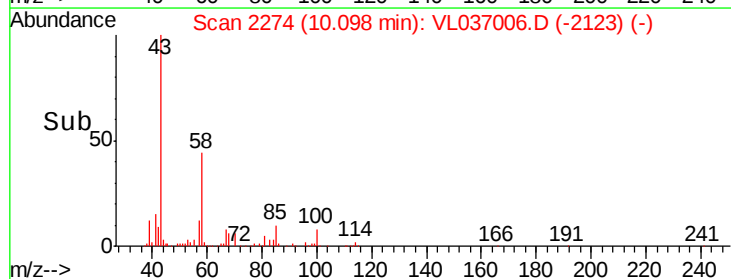
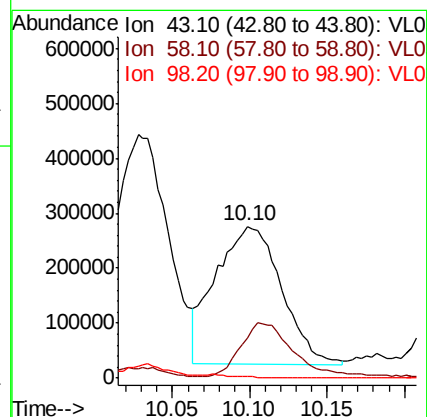
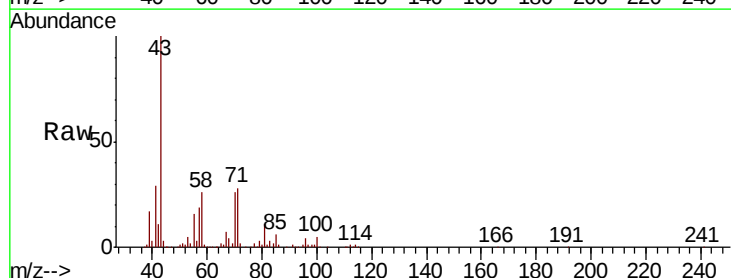
Instrument :
MSVOA_L
ClientSampleId :
KSV-08

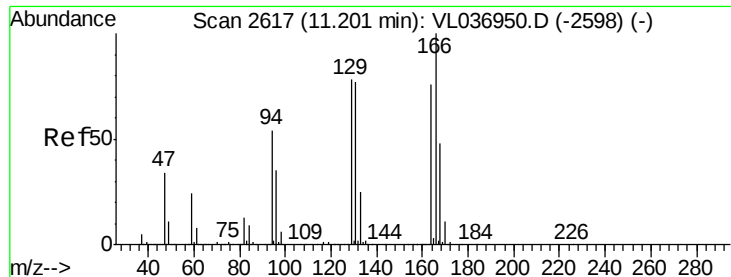
Tot Ion: 43 Resp: 167601
Ion Ratio Lower Upper
43 100
58 38.9 29.4 44.2



#51
2-Hexanone
Concen: 6.746 ppbv
RT: 10.10 min Scan# 2274
Delta R.T. -0.02 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

Tgt Ion: 43 Resp: 742638
Ion Ratio Lower Upper
43 100
58 32.8 41.1 61.7#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.311 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

KSV-08

Tot Ion:164 Resp: 36959

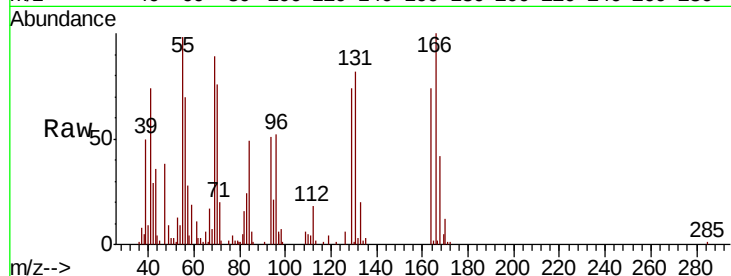
Ion Ratio Lower Upper

164 100

166 134.6 105.5 158.3

129 99.4 81.8 122.8

131 109.9 81.2 121.8

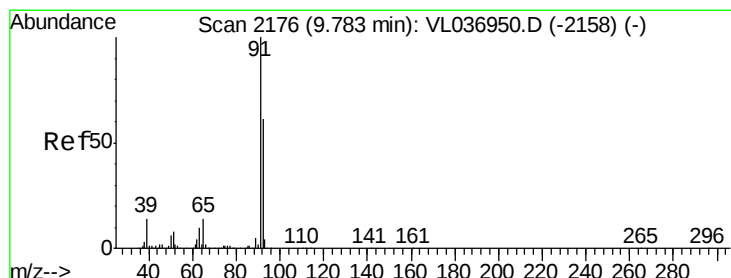
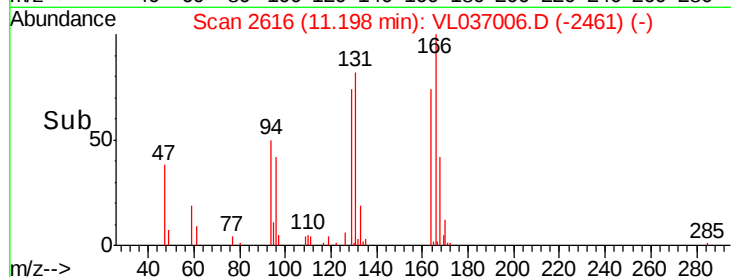
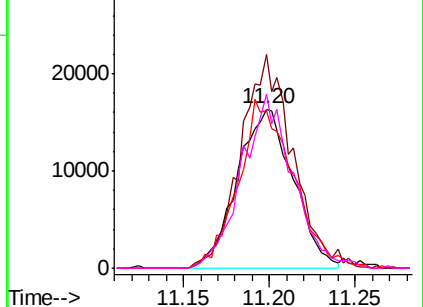


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 3.047 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL037006.D

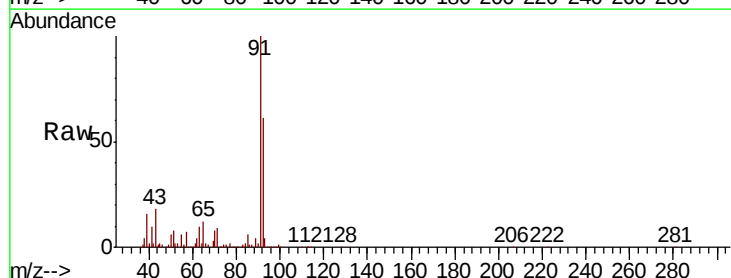
Acq: 20 May 2021 00:29

Tgt Ion: 91 Resp: 1082338

Ion Ratio Lower Upper

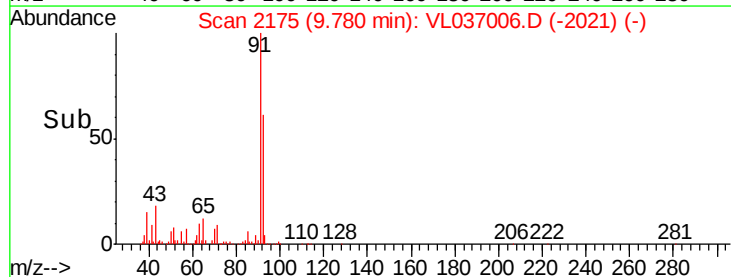
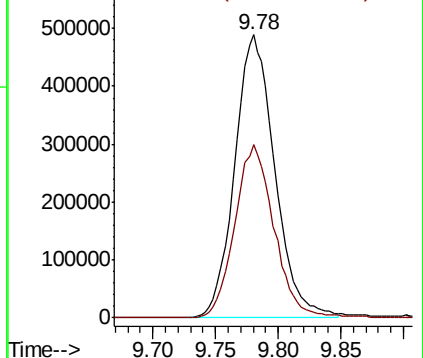
91 100

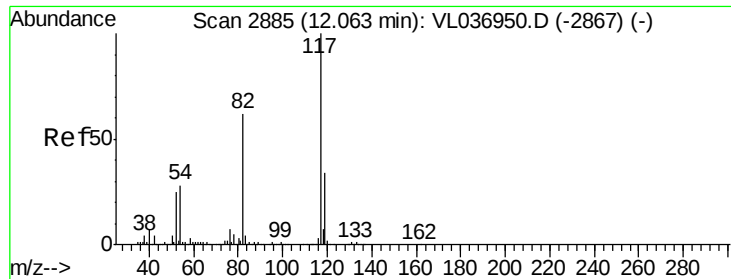
92 60.6 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

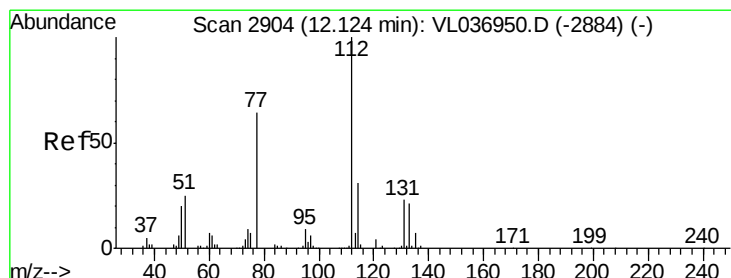
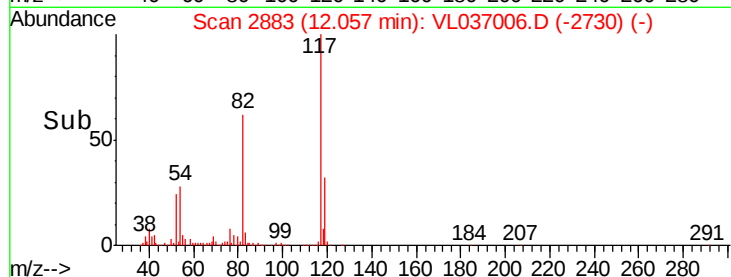
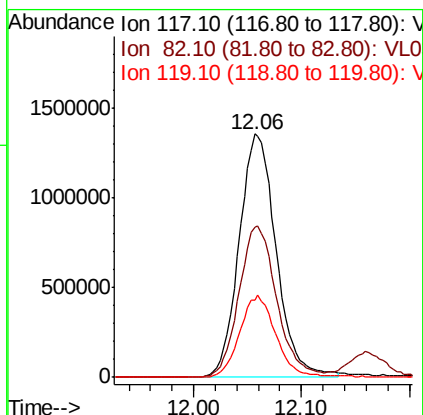
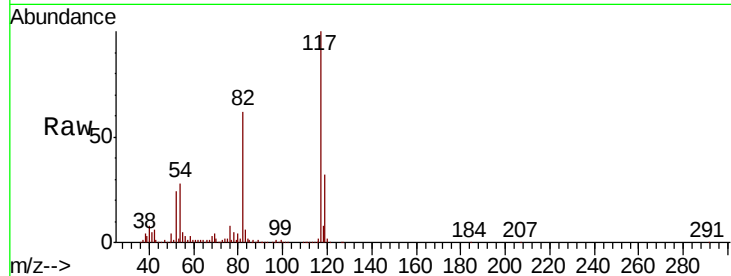




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

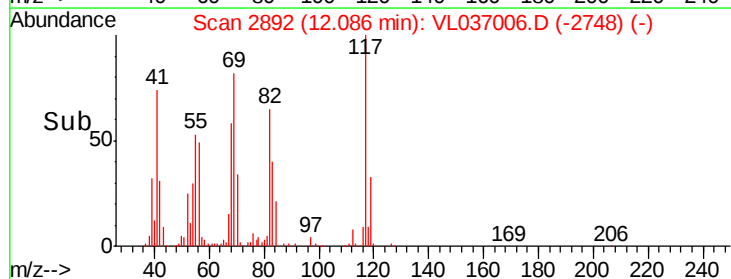
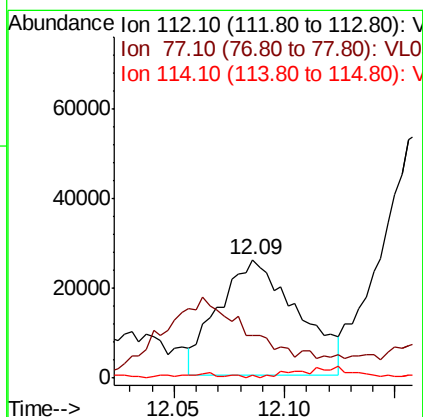
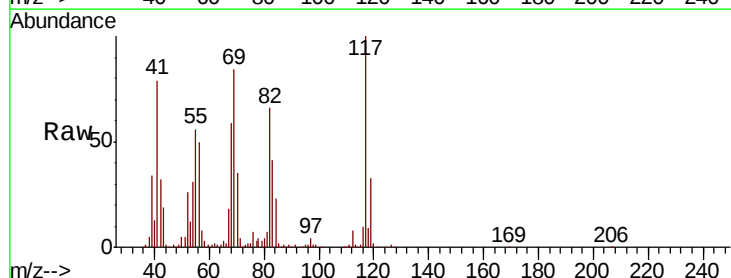
Instrument :
MSVOA_L
ClientSampleId :
KSV-08

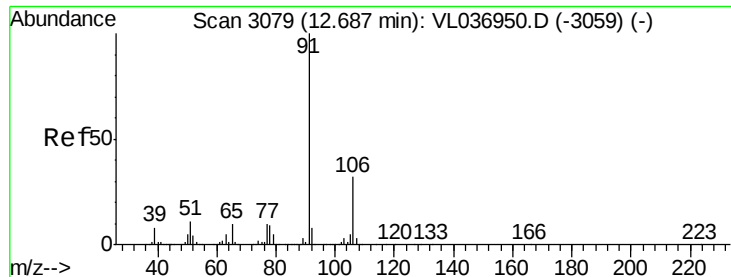
Tot Ion:117 Resp: 3241922
Ion Ratio Lower Upper
117 100
82 63.6 52.6 79.0
119 33.6 46.6 70.0#



#57
Chlorobenzene
Concen: 0.255 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.04 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

Tgt Ion:112 Resp: 64148
Ion Ratio Lower Upper
112 100
77 22.5 51.0 76.6#
114 0.2 28.3 34.5#





#58

Ethyl Benzene

Concen: 0.594 ppbv

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

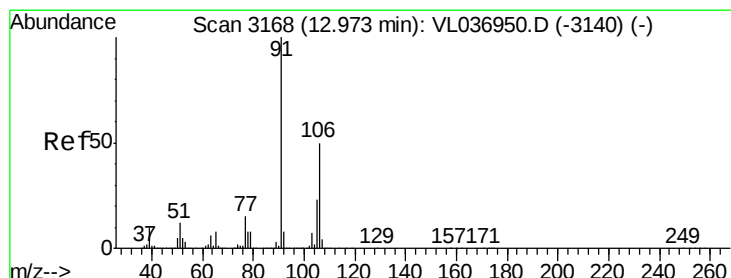
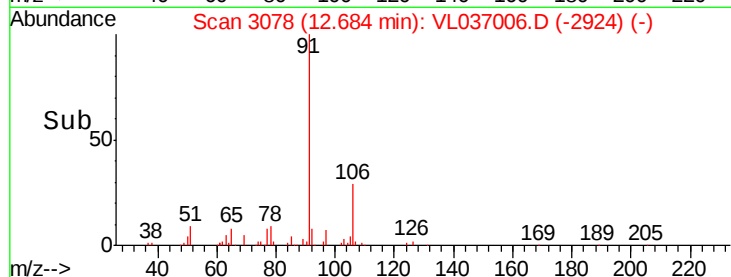
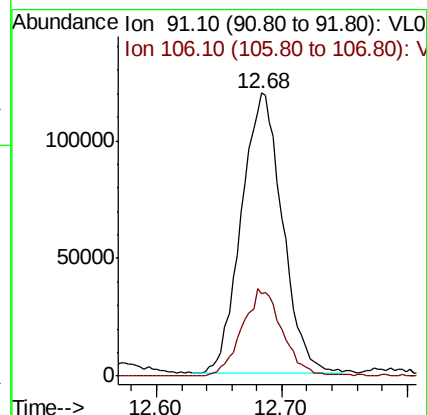
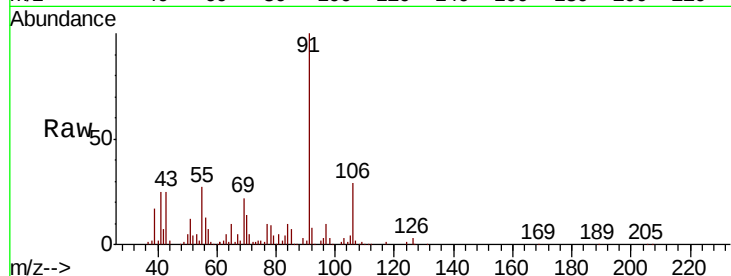
KSV-08

Tot Ion: 91 Resp: 271808

Ion Ratio Lower Upper

91 100

106 29.2 25.6 38.4



#59

m/p-Xylene

Concen: 1.212 ppbv

RT: 12.94 min Scan# 3157

Delta R.T. -0.04 min

Lab File: VL037006.D

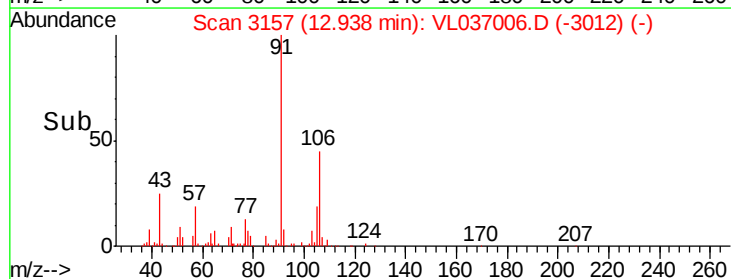
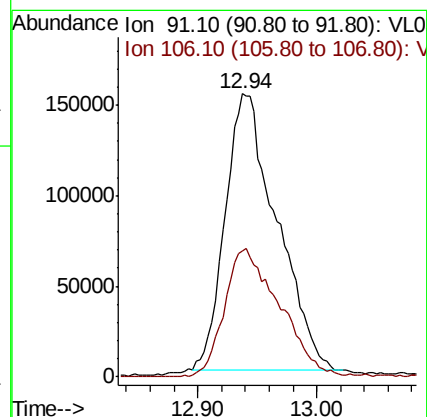
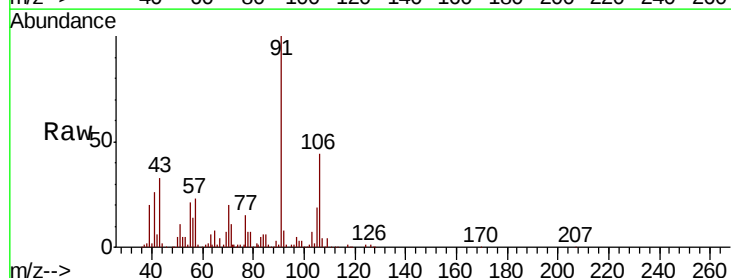
Acq: 20 May 2021 00:29

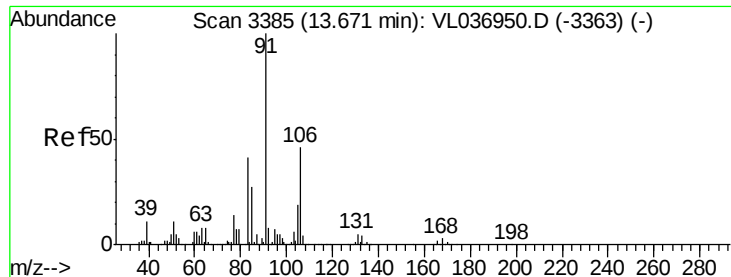
Tgt Ion: 91 Resp: 458520

Ion Ratio Lower Upper

91 100

106 50.5 37.4 56.2

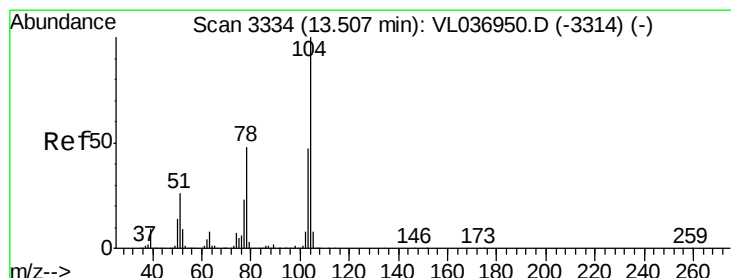
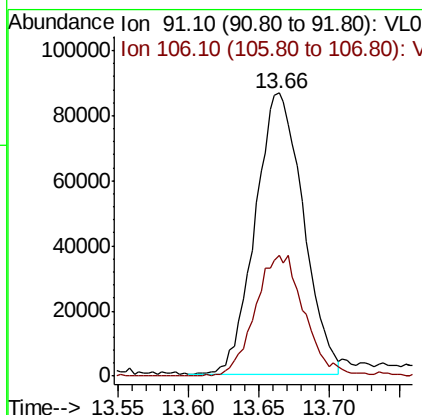
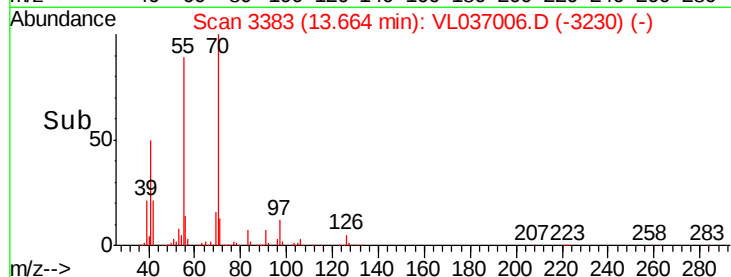
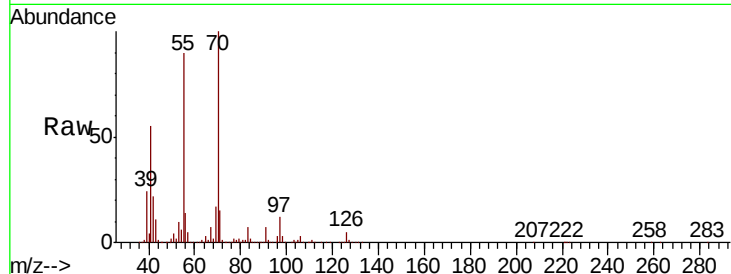




#60
o-Xylene
Concen: 0.568 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

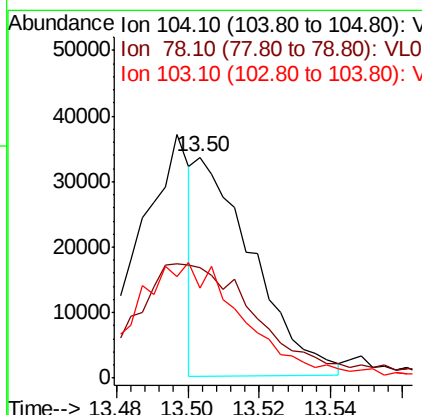
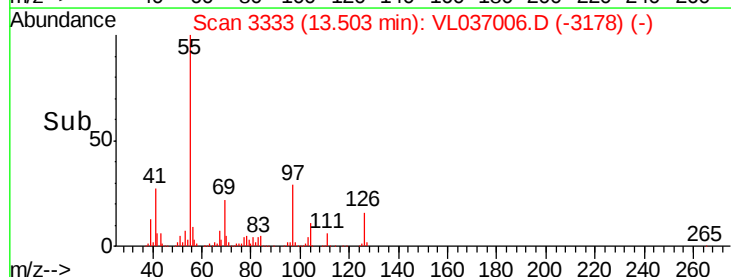
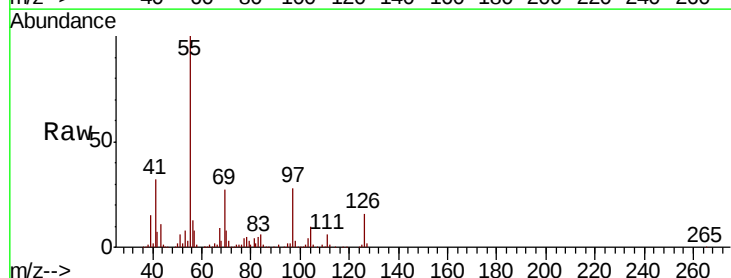
Instrument :
MSVOA_L
ClientSampleID :
KSV-08

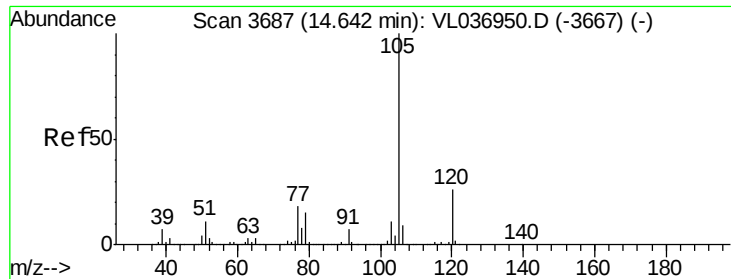
Tot Ion: 91 Resp: 204732
Ion Ratio Lower Upper
91 100
106 43.9 23.4 70.3



#61
Styrene
Concen: 0.183 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL037006.D
Acq: 20 May 2021 00:29

Tgt Ion: 104 Resp: 37178
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 106.8 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.192 ppbv

RT: 14.64 min Scan# 3685

Delta R.T. -0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

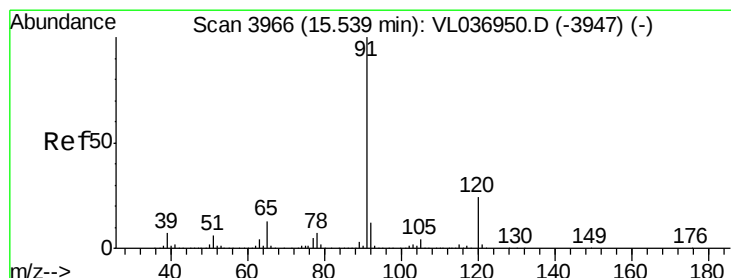
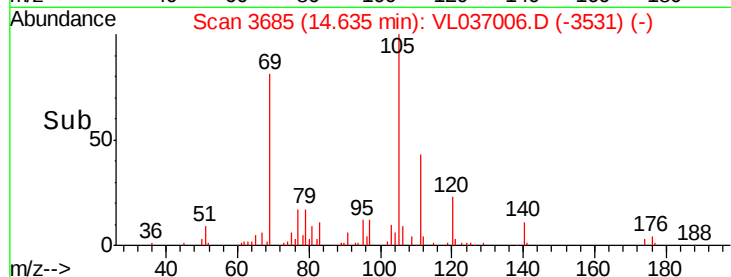
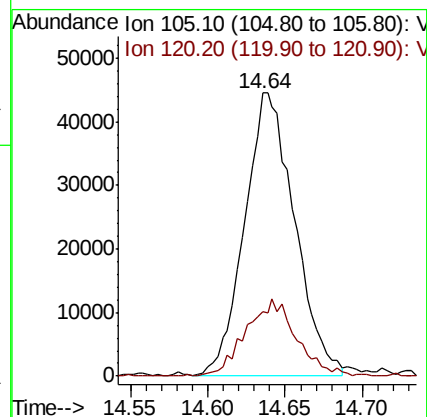
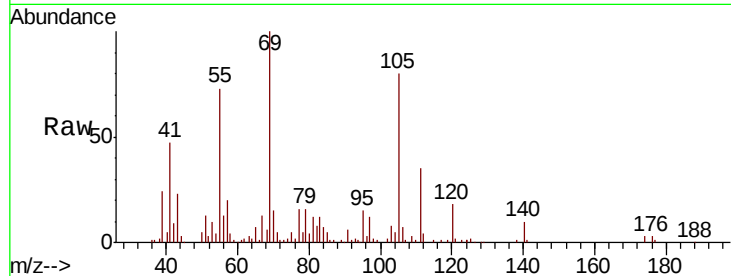
KSV-08

Tot Ion:105 Resp: 99308

Ion Ratio Lower Upper

105 100

120 27.7 21.7 32.5



#64

n-propylbenzene

Concen: 0.273 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037006.D

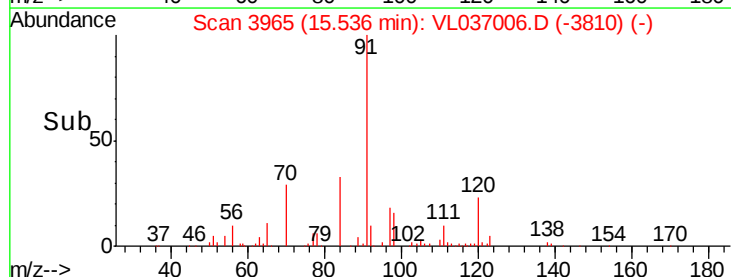
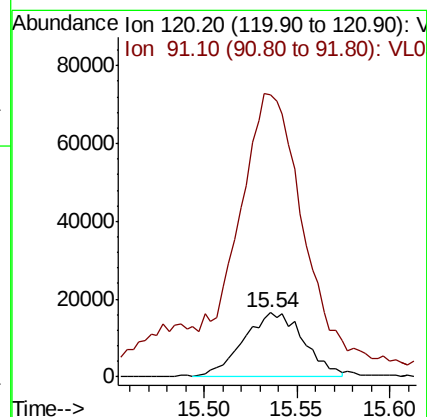
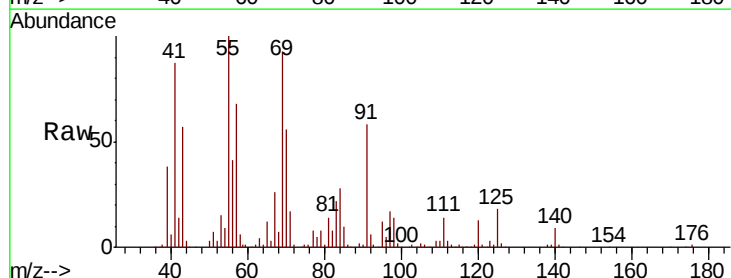
Acq: 20 May 2021 00:29

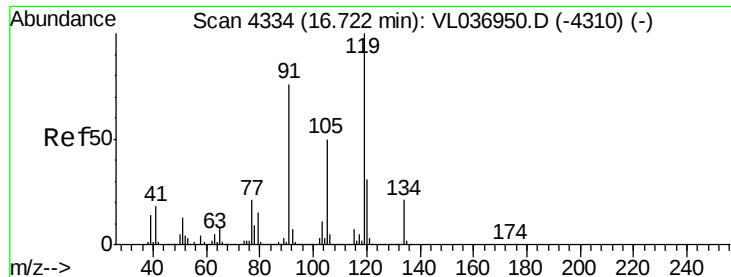
Tgt Ion:120 Resp: 36554

Ion Ratio Lower Upper

120 100

91 544.5 343.8 515.6#





#65

tert-Butylbenzene

Concen: 0.158 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.02 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

KSV-08

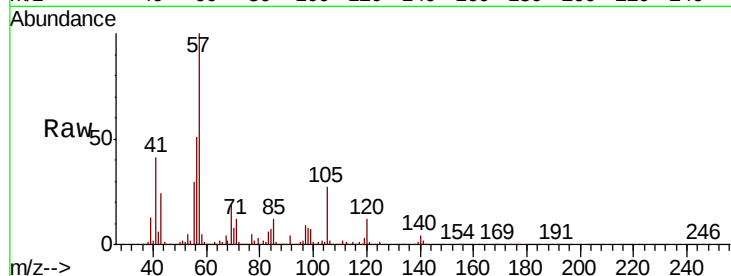
Tot Ion:119 Resp: 73695

Ion Ratio Lower Upper

119 100

91 105.0 61.9 92.9#

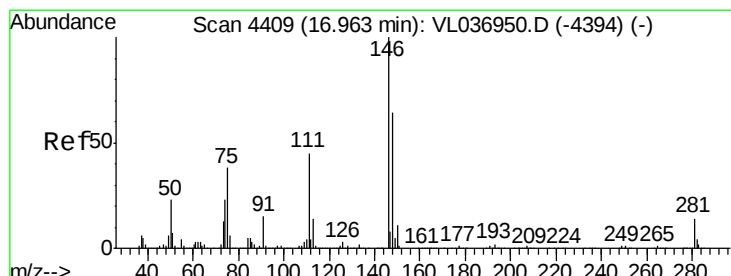
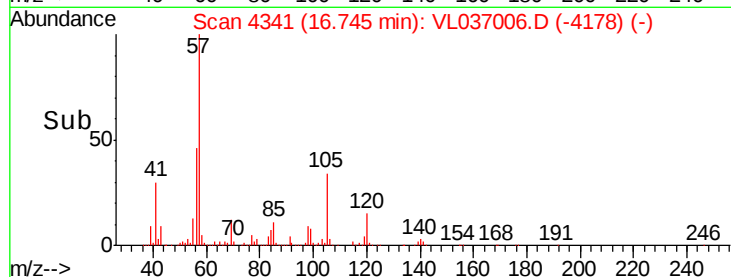
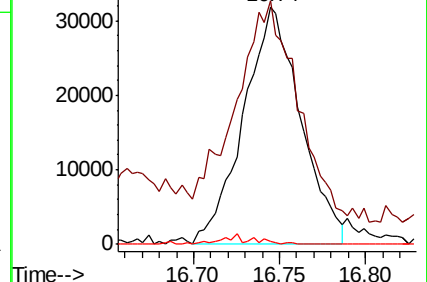
134 2.4 16.2 24.4#



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: 0.043 ppbv

RT: 16.95 min Scan# 4404

Delta R.T. -0.02 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

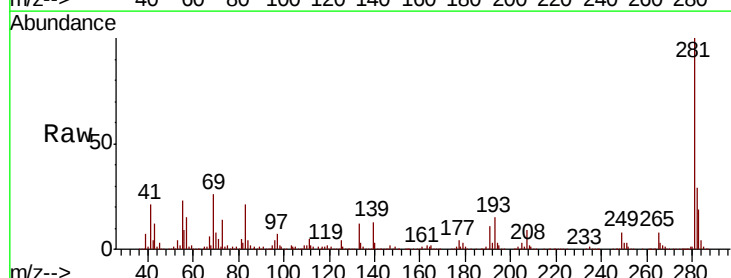
Tgt Ion: 91 Resp: 1104

Ion Ratio Lower Upper

91 100

126 1727.9 16.5 24.7#

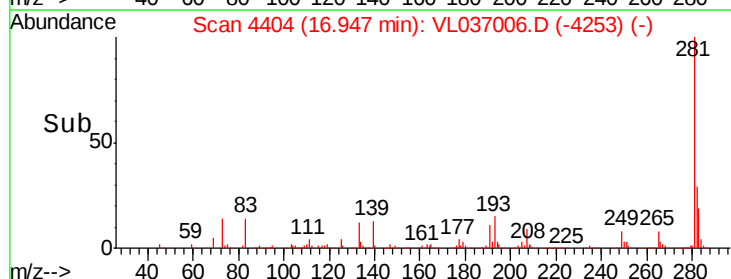
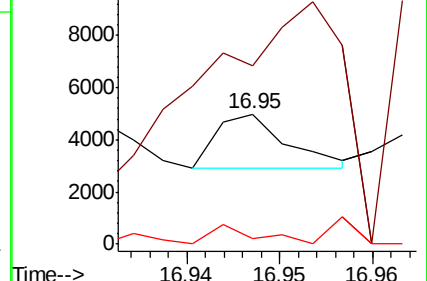
128 0.0 5.5 8.3#

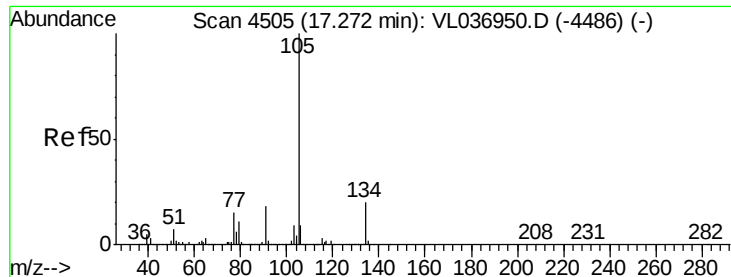


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.116 ppbv

RT: 17.58 min Scan# 4600

Delta R.T. 0.31 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

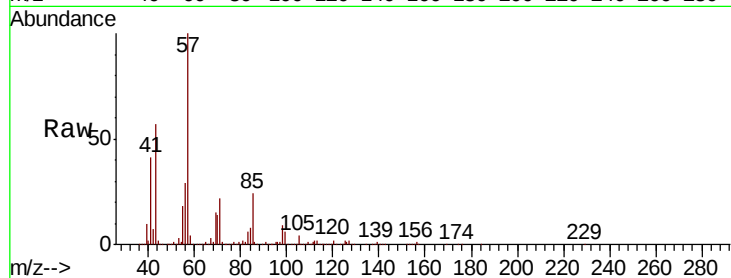
KSV-08

Tot Ion: 105 Resp: 73942

Ion Ratio Lower Upper

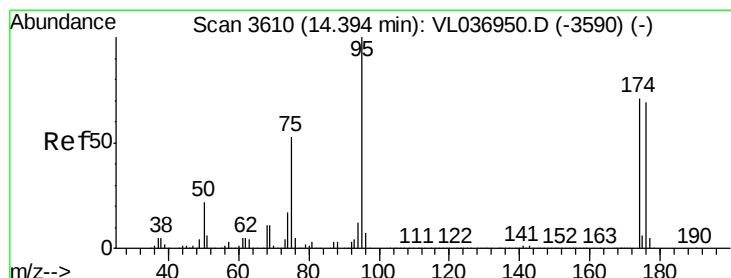
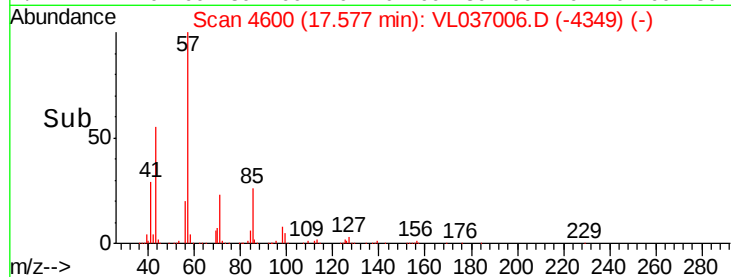
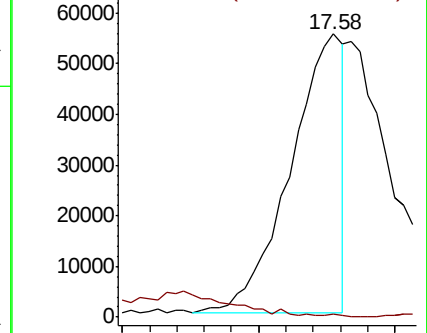
105 100

134 17.9 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.456 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

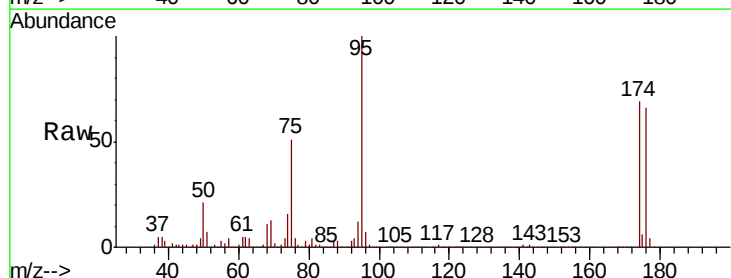
Tgt Ion: 95 Resp: 2546485

Ion Ratio Lower Upper

95 100

174 73.4 58.4 87.6

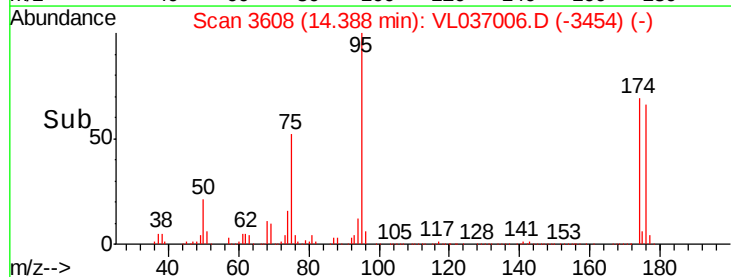
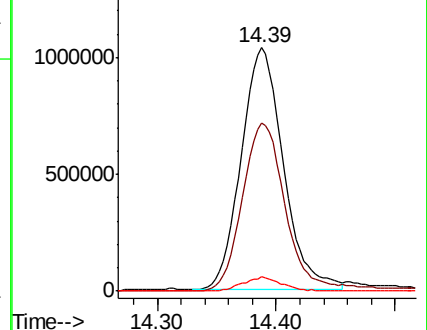
175 5.7 4.4 6.6

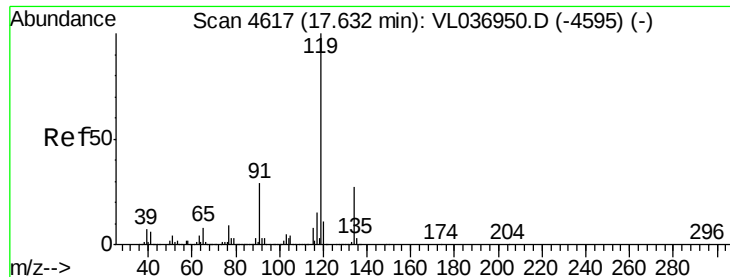


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.032 ppbv

RT: 17.64 min Scan# 4618

Delta R.T. 0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

KSV-08

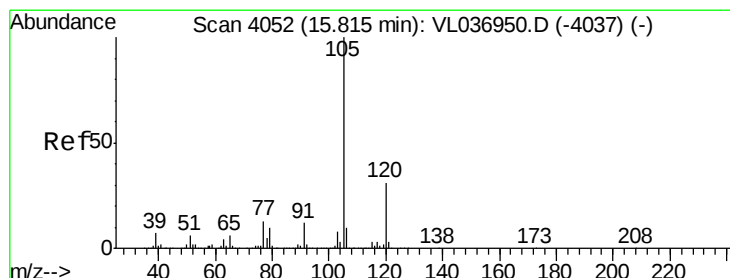
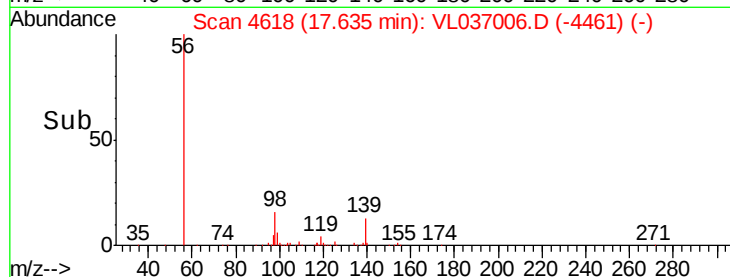
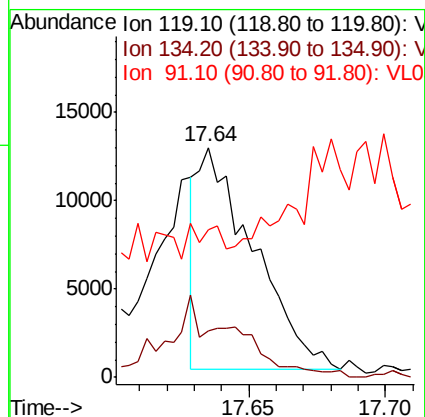
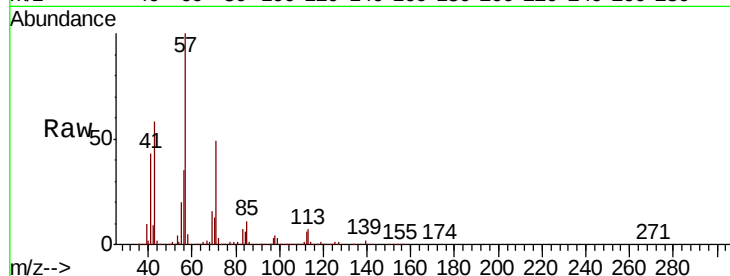
Tot Ion:119 Resp: 17800

Ion Ratio Lower Upper

119 100

134 46.9 21.2 31.8#

91 190.1 22.2 33.4#



#72

4-Ethyltoluene

Concen: 0.441 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Tgt Ion:105 Resp: 188965

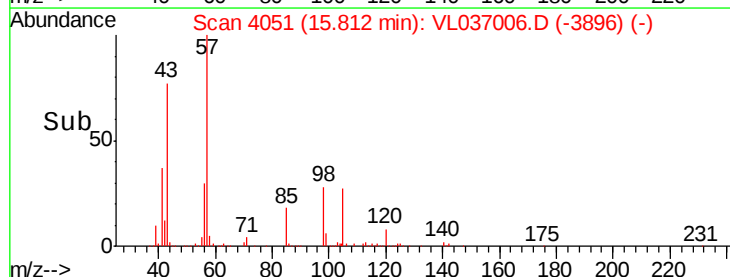
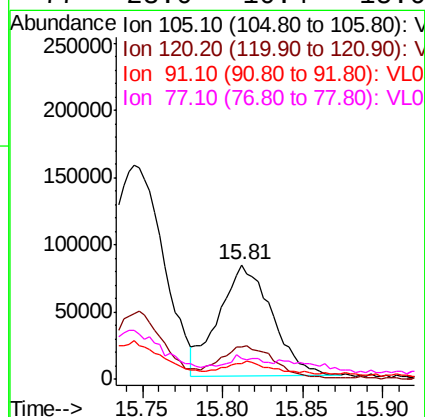
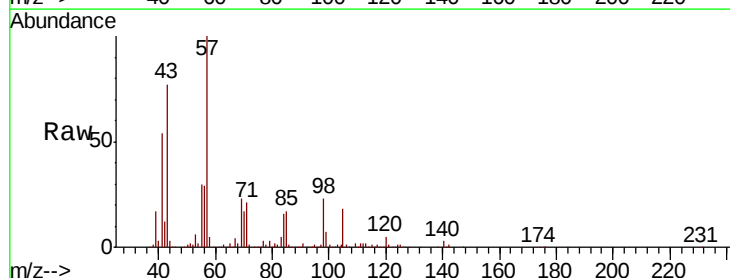
Ion Ratio Lower Upper

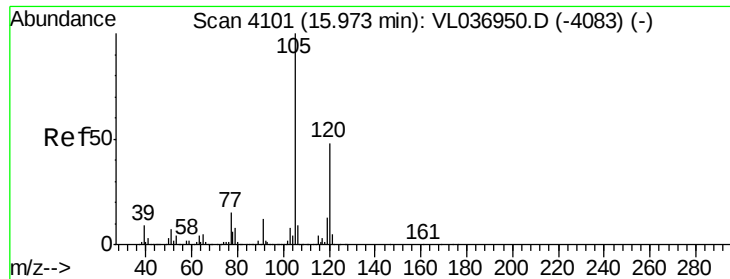
105 100

120 33.3 24.6 37.0

91 17.6 9.8 14.6#

77 23.0 10.4 15.6#

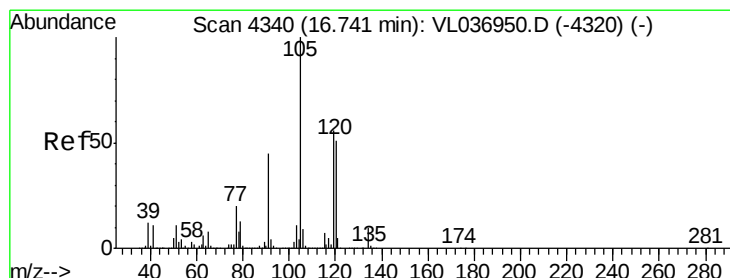
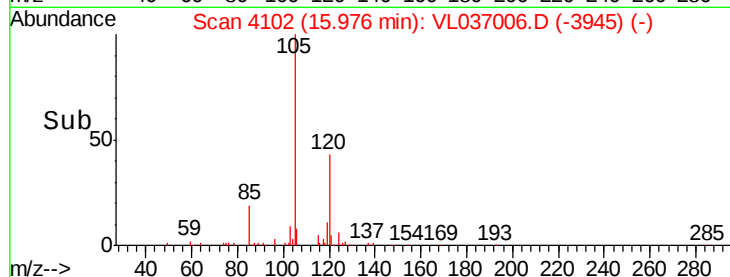
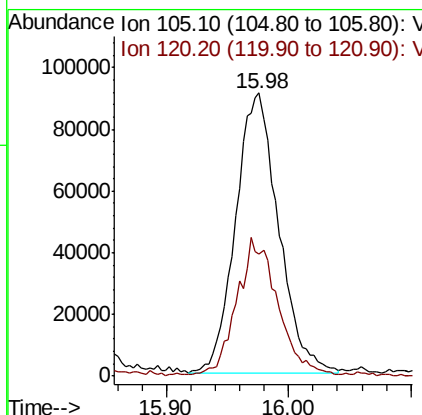
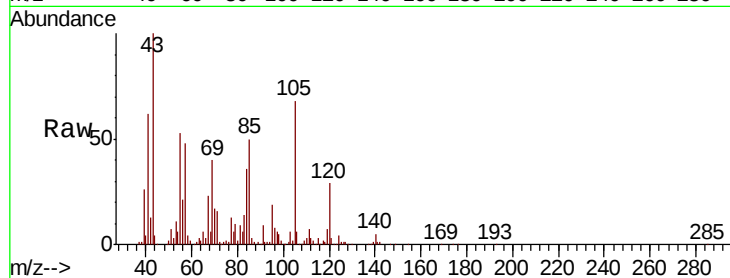




#73
 1,3,5-Trimethylbenzene
 Concen: 0.549 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

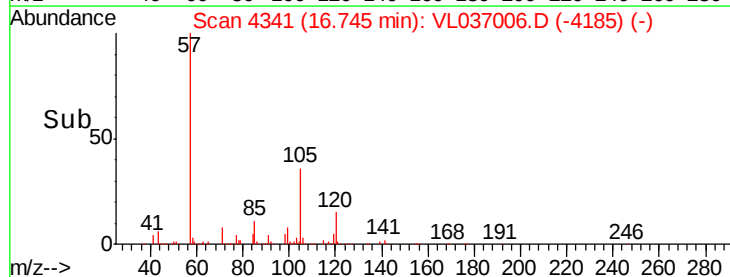
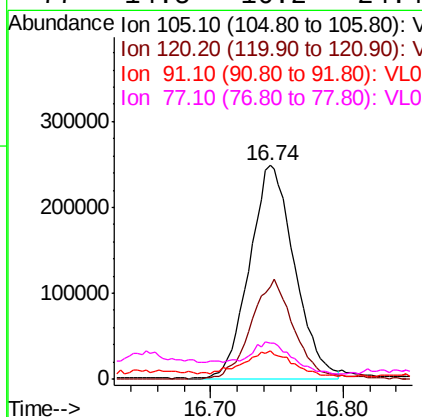
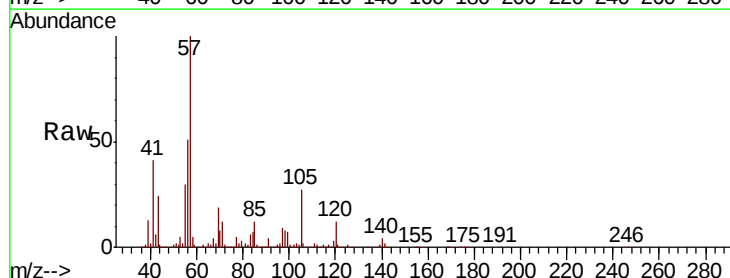
Instrument :
 MSVOA_L
 ClientSampled :
 KSV-08

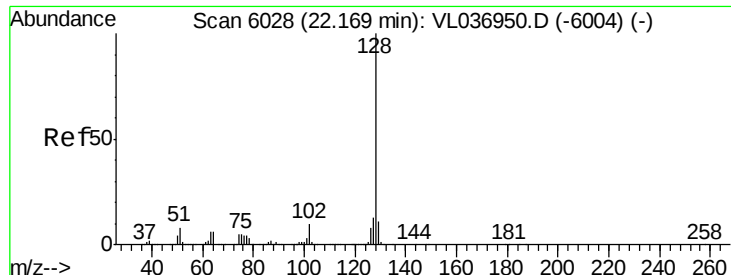
Tot Ion:105 Resp: 220780
 Ion Ratio Lower Upper
 105 100
 120 43.2 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 1.405 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037006.D
 Acq: 20 May 2021 00:29

Tgt Ion:105 Resp: 584160
 Ion Ratio Lower Upper
 105 100
 120 43.3 40.6 61.0
 91 11.7 37.4 56.0#
 77 14.5 16.2 24.4#





#79

Naphthalene

Concen: 0.067 ppbv

RT: 22.18 min Scan# 6030

Delta R.T. 0.01 min

Lab File: VL037006.D

Acq: 20 May 2021 00:29

Instrument :

MSVOA_L

ClientSampleId :

KSV-08

Tot Ion:128 Resp: 21812

Ion Ratio Lower Upper

128 100

127 10.1 10.4 15.6#

129 6.3 9.0 13.6#

