

Data File : VL033864.D
Acq On : 30 May 2019 10:19
Operator : SY/AP
Sample : K3007-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSG-2

Quant Time: May 31 07:05:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	800592	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1924036	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2091217	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1675695	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	19388	0.115	ppbv	91
3) Chlorodifluoromethane	3.01	51	30792	0.336	ppbv	98
4) Chloromethane	3.17	50	39747	0.758	ppbv	97
5) Vinyl Chloride	3.29	62	3278	0.061	ppbv #	82
6) Bromomethane	3.51	94	1396	0.043	ppbv	90
7) Chloroethane	3.59	64	2402	0.126	ppbv #	70
9) Propene	3.03	41	1474511	37.803	ppbv	87
10) Heptane	8.25	43	1981663	17.941	ppbv	99
11) Trichlorofluoromethane	4.00	101	45653	0.284	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.55	101	5374	0.048	ppbv #	40
13) Ethanol	3.66	45	3693630	292.978	ppbv	99
15) Acetone	3.89	43	12829483	115.500	ppbv	95
16) 1,3-Butadiene	3.34	39	829389	18.750	ppbv #	46
17) tert-Butyl alcohol	4.37	59	253626	2.824	ppbv #	72
19) Isopropyl Alcohol	4.03	45	1133987	15.833	ppbv #	1
20) Methylene Chloride	4.41	84	26574	0.621	ppbv #	60
21) Allyl Chloride	4.43	41	469965	6.783	ppbv #	46
23) Vinyl Acetate	5.14	43	1360354	9.288	ppbv #	9
25) Ethyl Acetate	5.78	43	1781900	9.132	ppbv #	77
26) Hexane	5.78	57	2574834	30.695	ppbv #	40
27) Carbon Disulfide	4.62	76	486400	4.226	ppbv	97
28) Methyl tert-Butyl Ether	5.11	73	956679	6.996	ppbv	99
29) Chloroform	5.85	83	46983	0.304	ppbv	100
30) Cyclohexane	7.24	84	289830	4.110	ppbv	92
32) 1,1,1-Trichloroethane	6.62	97	39544	0.256	ppbv	95
34) 2-Butanone	5.32	43	1003046	8.411	ppbv	99
36) Benzene	7.00	78	2060477	11.773	ppbv	99
38) Trichloroethene	7.95	130	9701	0.149	ppbv #	83
39) 1,2-Dichloropropane	7.61	63	10077	0.154	ppbv #	1
40) 1,4-Dioxane	7.96	88	1418	0.052	ppbv #	1
41) Tetrahydrofuran	6.21	42	52290	0.783	ppbv #	65
42) Bromodichloromethane	7.92	83	151488	0.980	ppbv #	23
43) Methyl Methacrylate	8.11	69	42092	0.653	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	17442663	58.968	ppbv #	89
50) 4-Methyl-2-Pentanone	8.88	43	104828	0.571	ppbv #	74
51) 2-Hexanone	10.25	43	1317530	9.203	ppbv #	32
52) Tetrachloroethene	11.37	164	439847	7.149	ppbv	97
53) Toluene	9.95	91	1888450	10.004	ppbv	98
58) Ethyl Benzene	12.86	91	286546	1.035	ppbv	96
59) m/p-Xylene	13.11	91	854339	3.529	ppbv	97
60) o-Xylene	13.84	91	296494	1.215	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\
Quantitation Report (Not Reviewed)

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Sample : K3007-02
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SSG-2

Quant Time: May 31 07:05:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Styrene	13.68	104	9481	0.058	ppbv #	1
62) Isopropylbenzene	14.82	105	32452	0.099	ppbv	96
64) n-propylbenzene	15.72	120	10766	0.127	ppbv #	1
65) tert-Butylbenzene	16.91	119	23635	0.079	ppbv #	18
70) n-Butylbenzene	18.70	91	17311	0.047	ppbv #	14
72) 4-Ethyltoluene	15.99	105	57893	0.207	ppbv #	64
73) 1,3,5-Trimethylbenzene	16.15	105	79532	0.292	ppbv	89
74) 1,2,4-Trimethylbenzene	16.91	105	340330	1.149	ppbv #	72
79) Naphthalene	22.40	128	293700	1.067	ppbv #	94
80) Naphthalene,2-methyl-	25.11	142	17988	0.172	ppbv #	82

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

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Operator : SY/AP

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Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSG-2

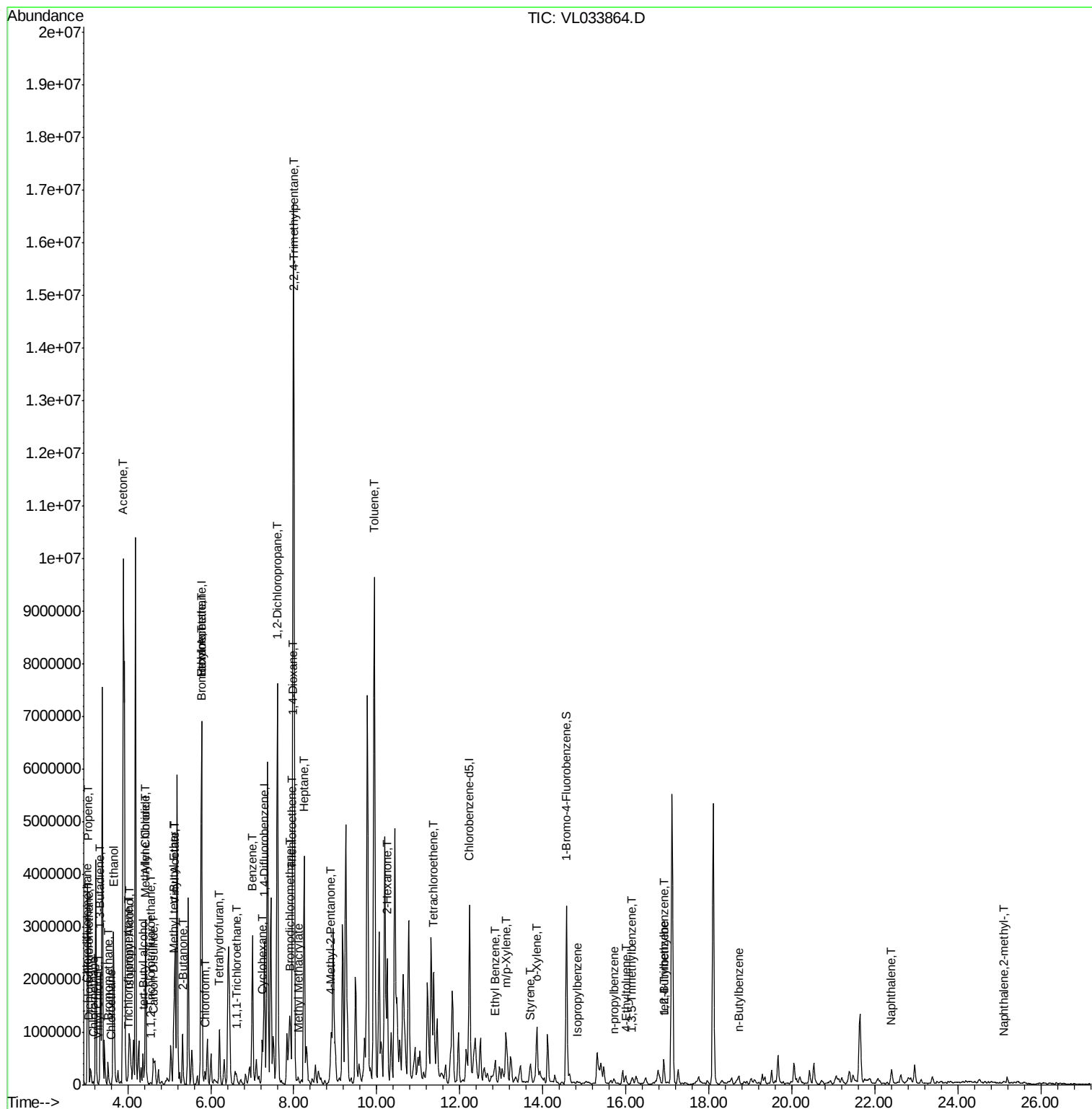
Quant Time: May 31 07:05:40 2019

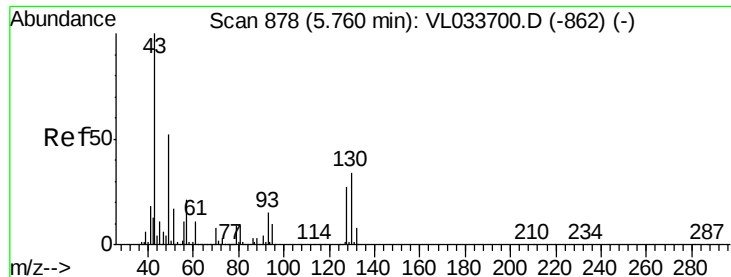
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

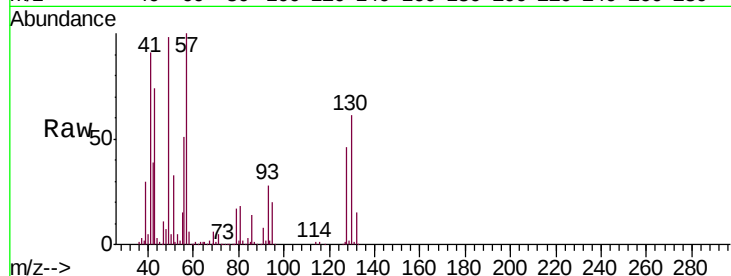
Tgt Ion: 49 Resp: 800592

Ion Ratio Lower Upper

49 100

128 49.0 25.2 75.6

130 63.7 32.5 97.5



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

600000

500000

400000

300000

200000

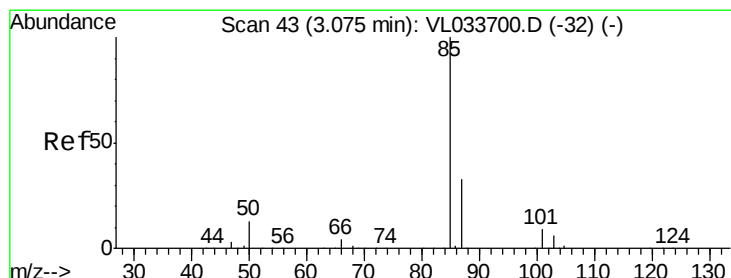
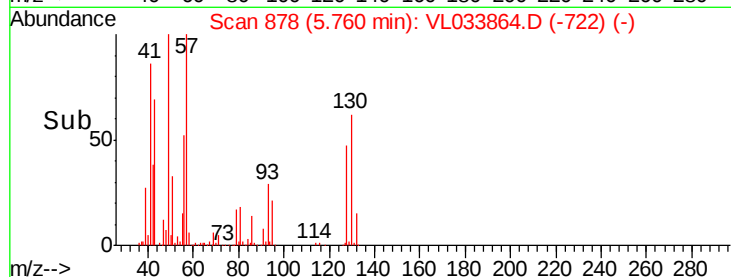
100000

0

5.76

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.115 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033864.D

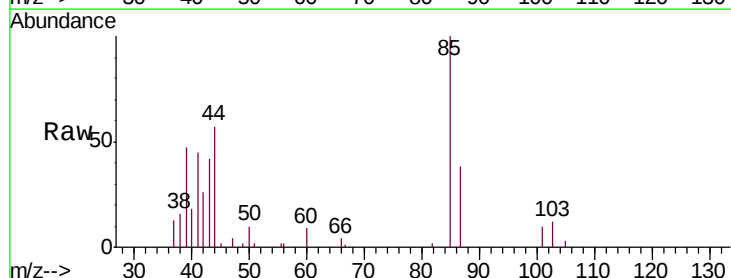
Acq: 30 May 2019 10:19

Tgt Ion: 85 Resp: 19388

Ion Ratio Lower Upper

85 100

87 38.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

15000

10000

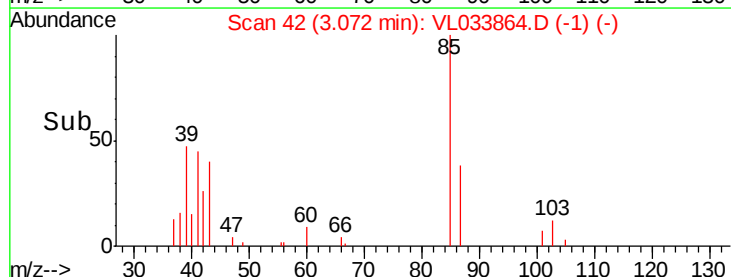
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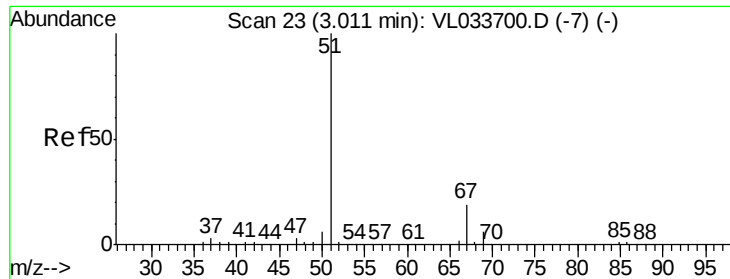
0

3.07

3.05 3.10

Time-->

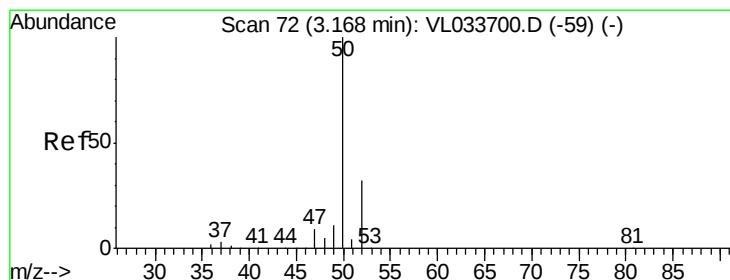
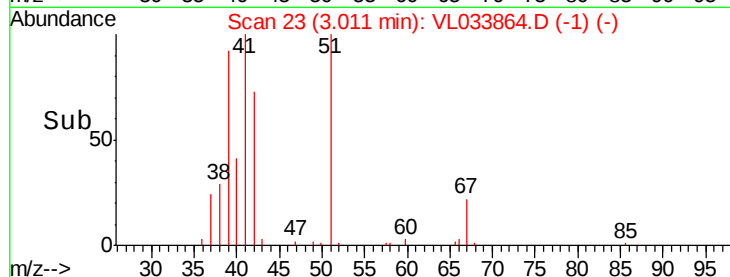
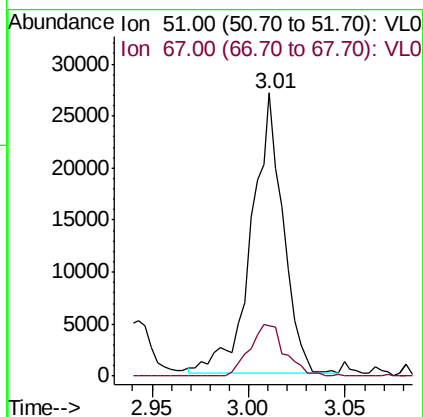
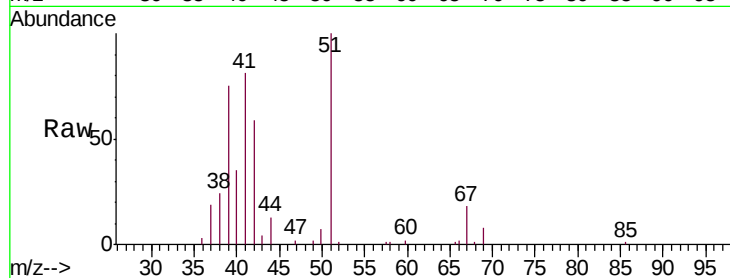




#3
 Chlorodifluoromethane
 Concen: 0.336 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

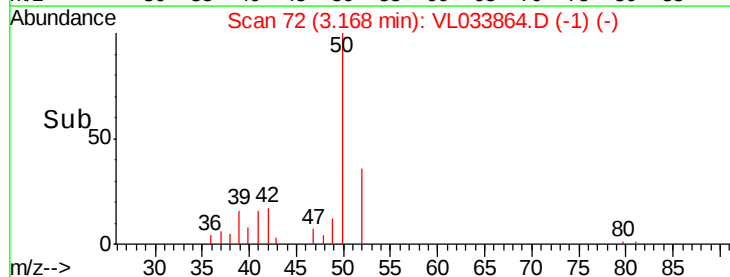
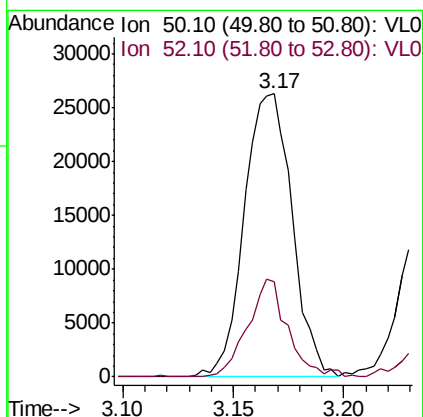
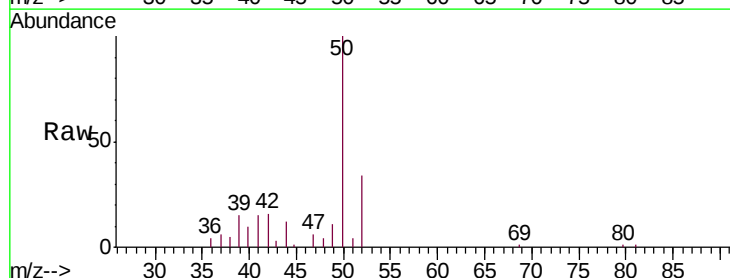
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2

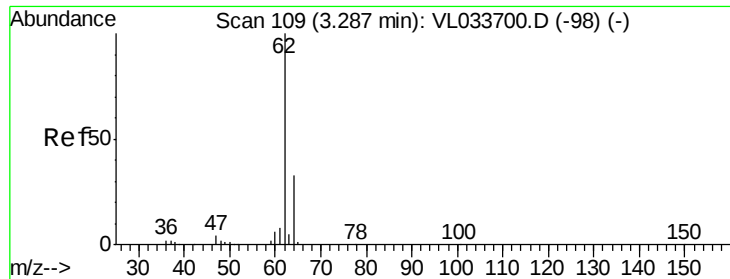
Tgt Ion: 51 Resp: 30792
 Ion Ratio Lower Upper
 51 100
 67 20.3 15.6 23.4



#4
 Chloromethane
 Concen: 0.758 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 50 Resp: 39747
 Ion Ratio Lower Upper
 50 100
 52 33.8 25.7 38.5





#5

Vinyl Chloride

Concen: 0.061 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

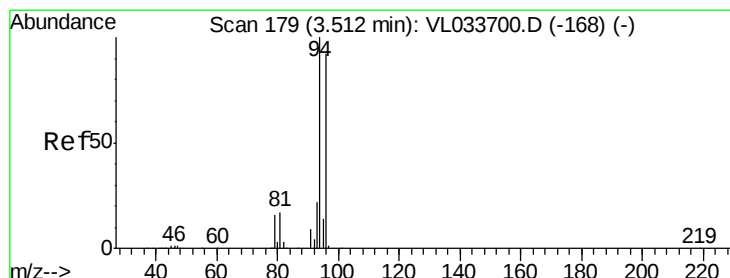
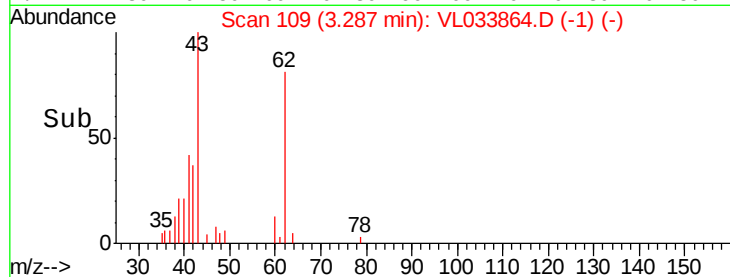
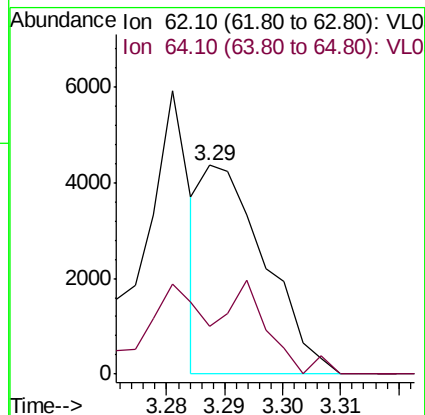
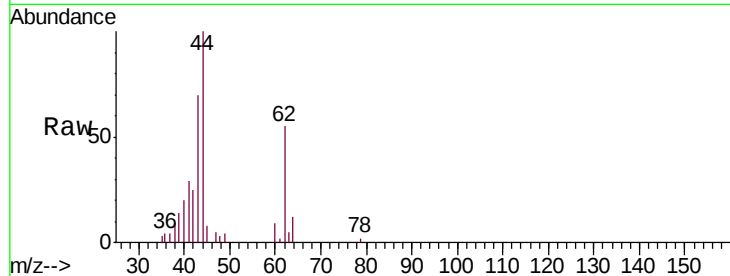
SSG-2

Tgt Ion: 62 Resp: 3278

Ion Ratio Lower Upper

62 100

64 22.8 26.4 39.6#



#6

Bromomethane

Concen: 0.043 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033864.D

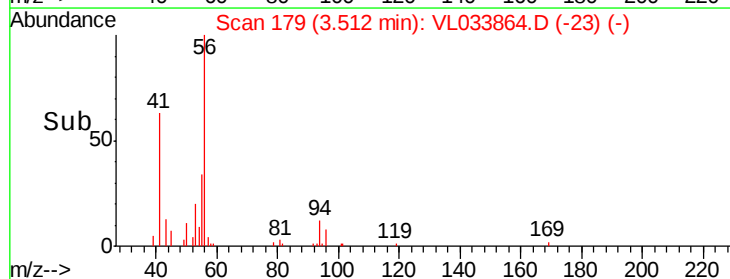
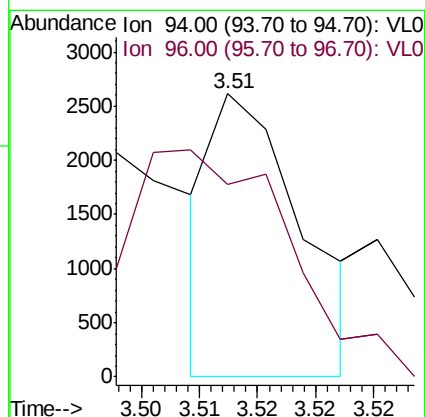
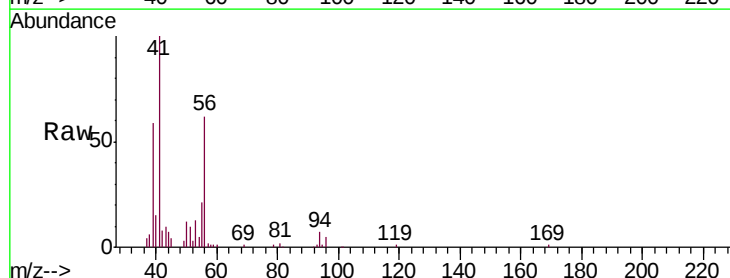
Acq: 30 May 2019 10:19

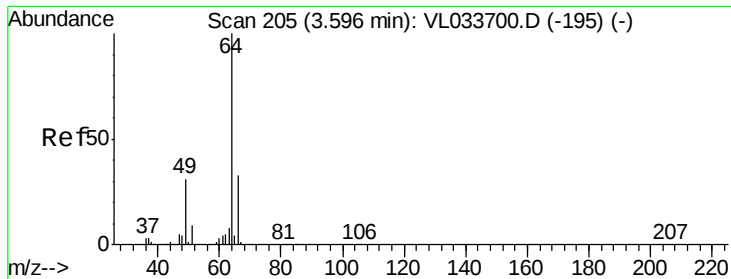
Tgt Ion: 94 Resp: 1396

Ion Ratio Lower Upper

94 100

96 82.1 73.6 110.4





#7

Chloroethane

Concen: 0.126 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

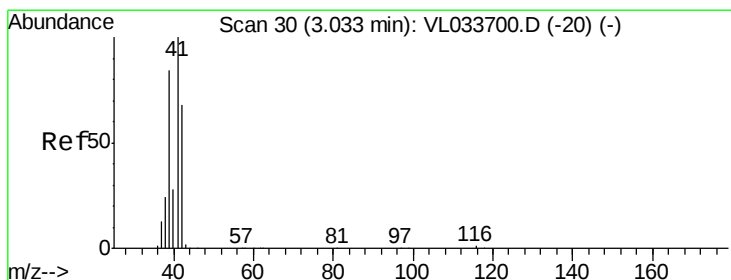
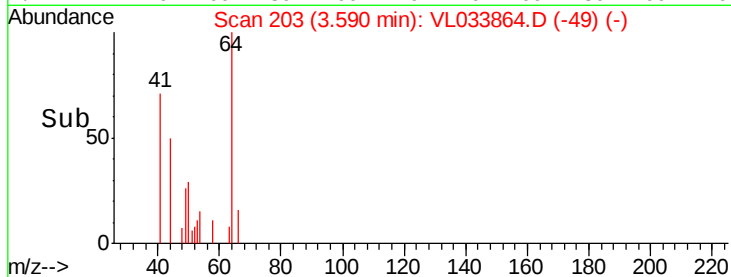
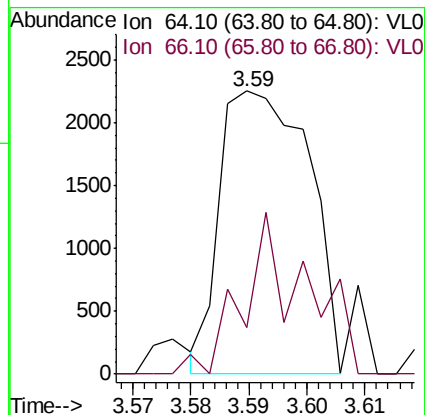
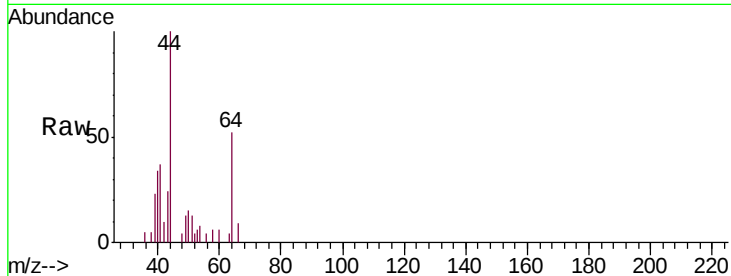
SSG-2

Tgt Ion: 64 Resp: 2402

Ion Ratio Lower Upper

64 100

66 16.3 26.6 40.0#



#9

Propene

Concen: 37.803 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033864.D

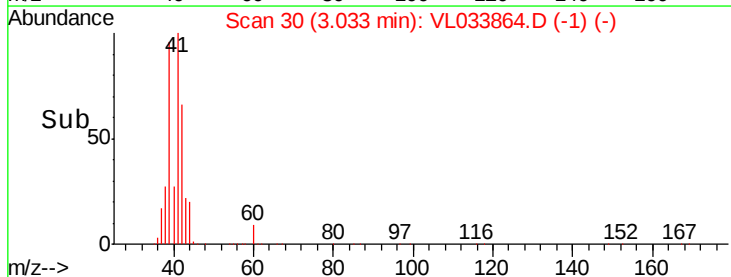
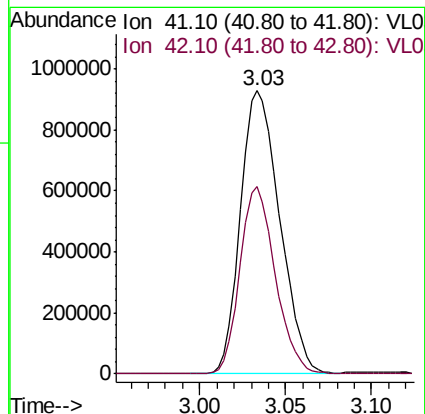
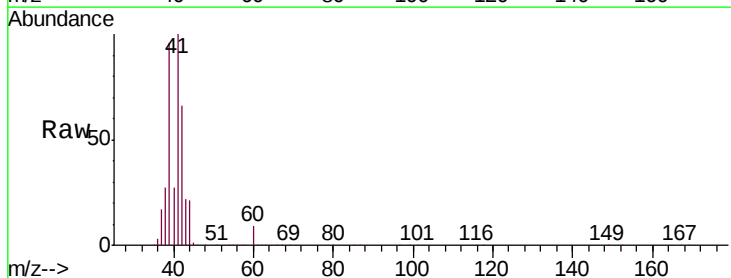
Acq: 30 May 2019 10:19

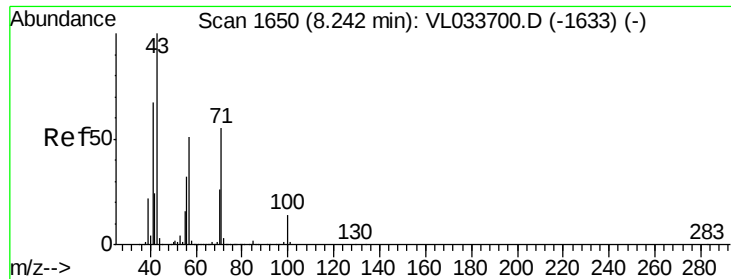
Tgt Ion: 41 Resp: 1474511

Ion Ratio Lower Upper

41 100

42 59.7 56.1 84.1

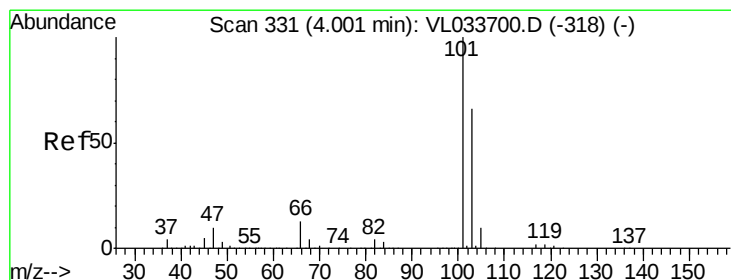
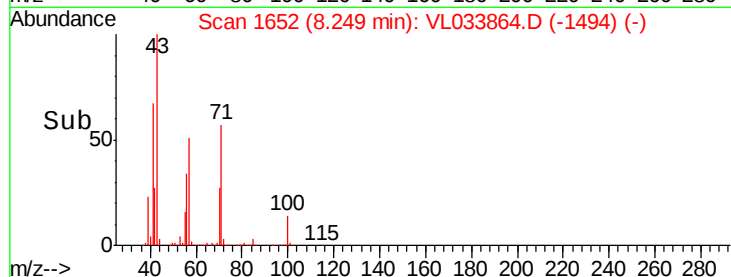
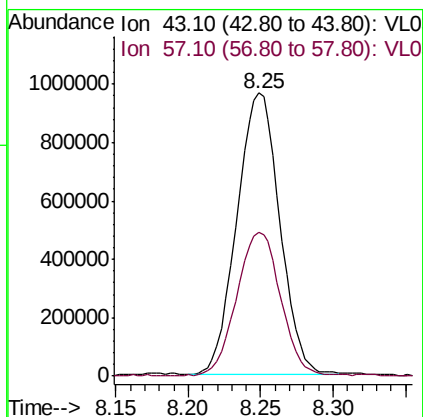
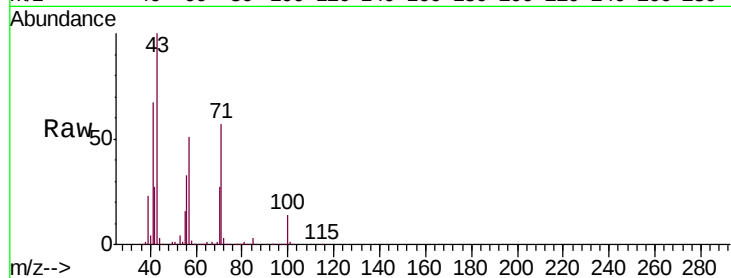




#10
 Heptane
 Concen: 17.941 ppbv
 RT: 8.25 min Scan# 1652
 Delta R.T. 0.01 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

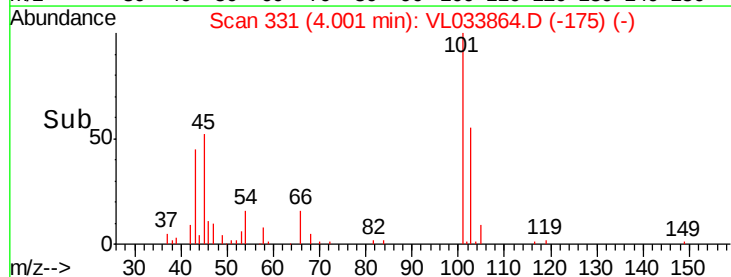
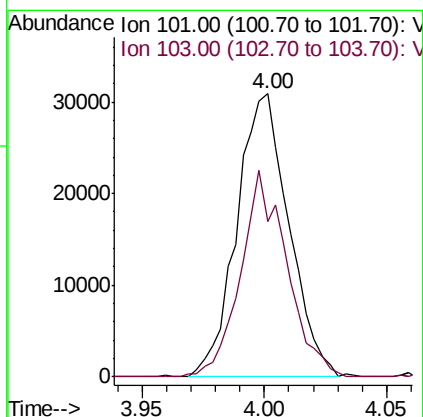
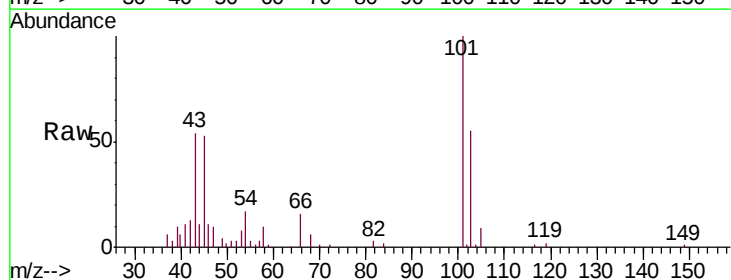
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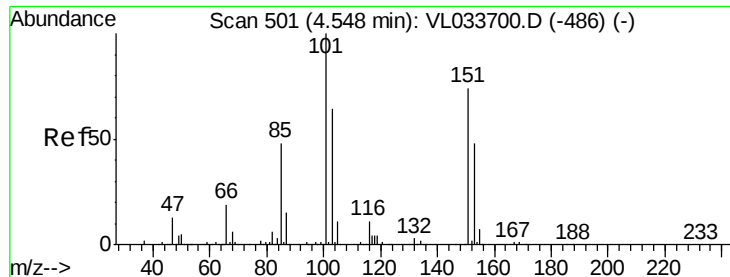
Tgt Ion: 43 Resp: 1981663
 Ion Ratio Lower Upper
 43 100
 57 52.4 41.4 62.0



#11
 Trichlorofluoromethane
 Concen: 0.284 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 101 Resp: 45653
 Ion Ratio Lower Upper
 101 100
 103 54.0 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.048 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

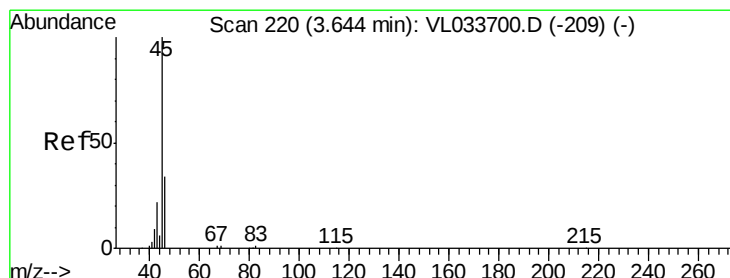
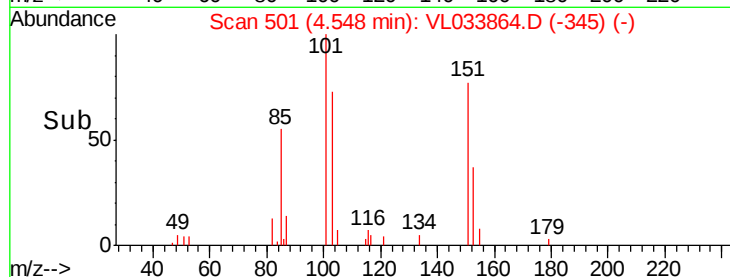
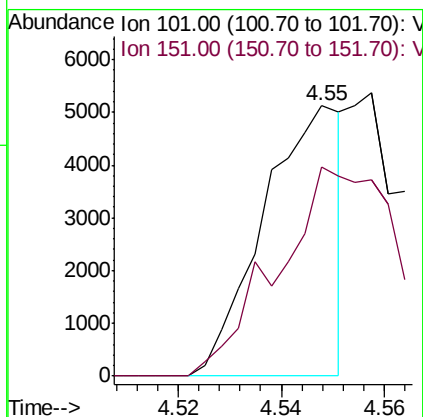
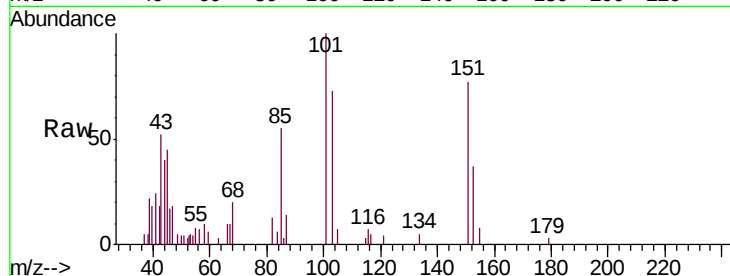
SSG-2

Tgt Ion:101 Resp: 5374

Ion Ratio Lower Upper

101 100

151 123.0 58.2 87.4#



#13

Ethanol

Concen: 292.978 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033864.D

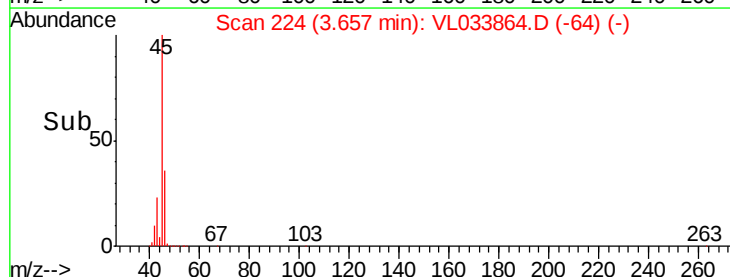
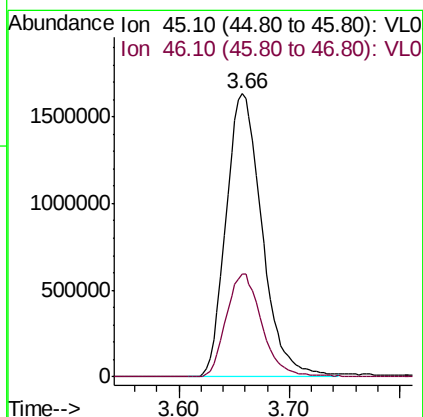
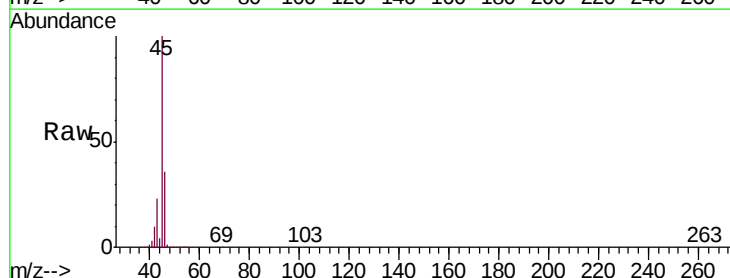
Acq: 30 May 2019 10:19

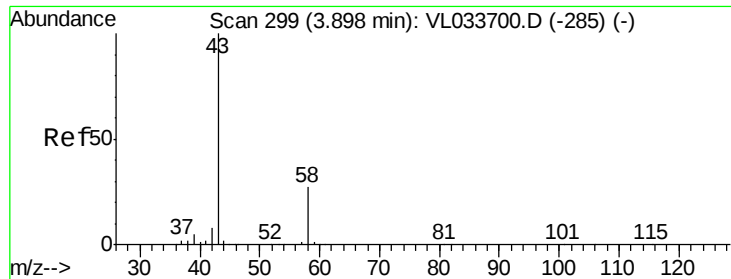
Tgt Ion: 45 Resp: 3693630

Ion Ratio Lower Upper

45 100

46 36.5 14.8 59.0





#15

Acetone

Concen: 115.500 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

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ClientSampleId :

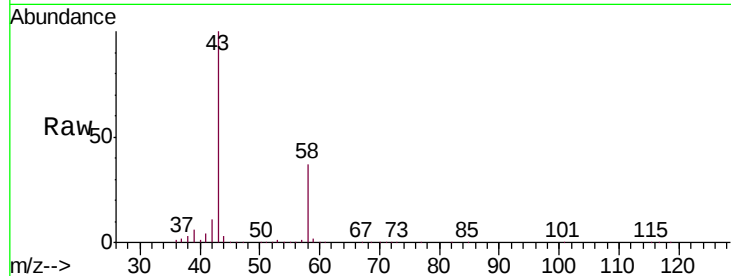
SSG-2

Tgt Ion: 43 Resp:12829483

Ion Ratio Lower Upper

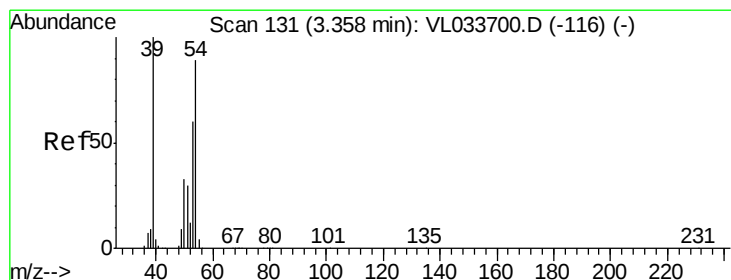
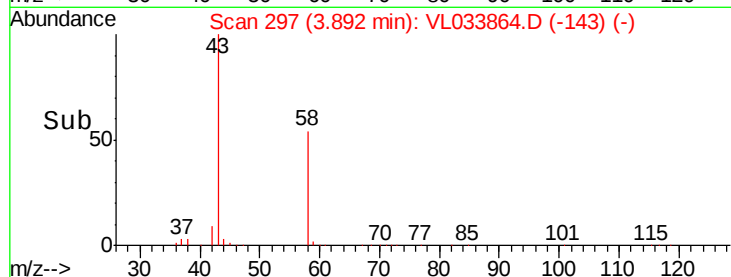
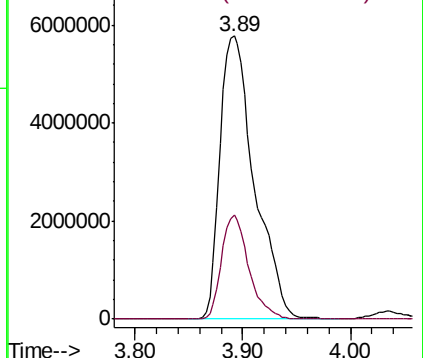
43 100

58 29.2 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 18.750 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.02 min

Lab File: VL033864.D

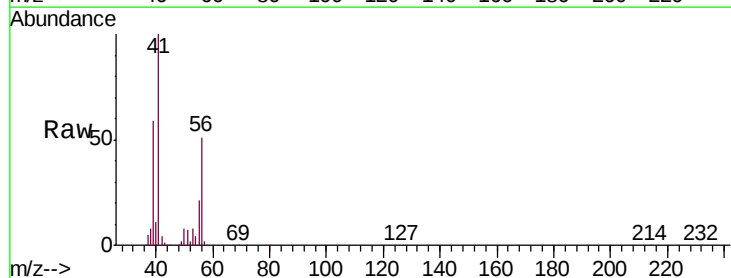
Acq: 30 May 2019 10:19

Tgt Ion: 39 Resp: 829389

Ion Ratio Lower Upper

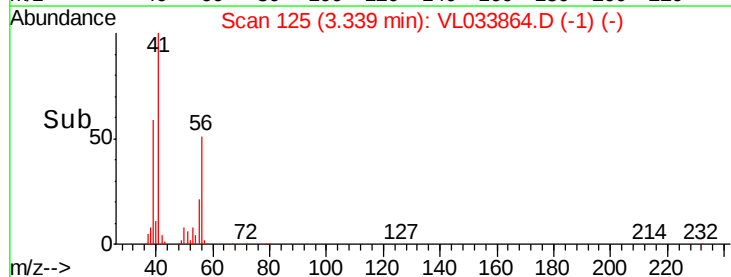
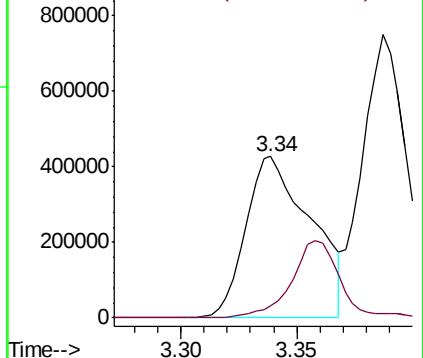
39 100

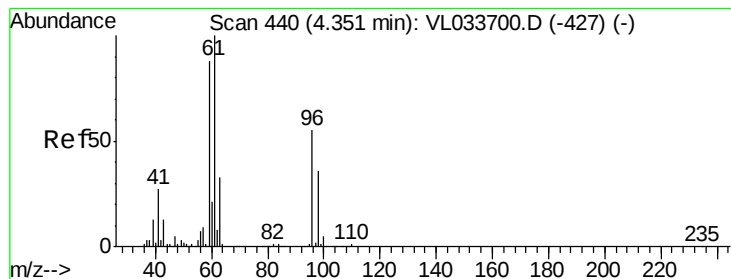
54 36.2 69.0 103.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



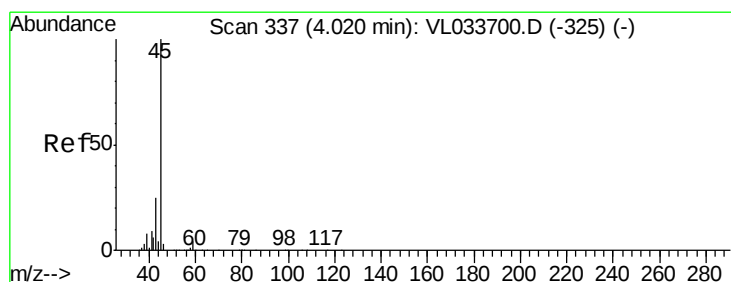
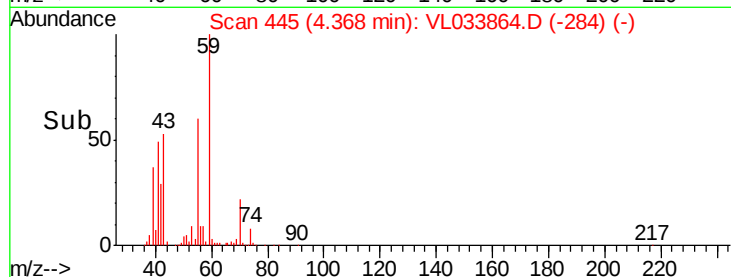
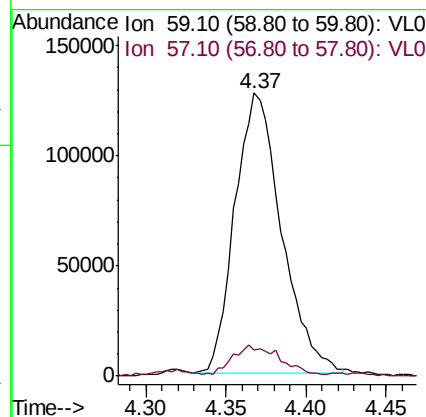
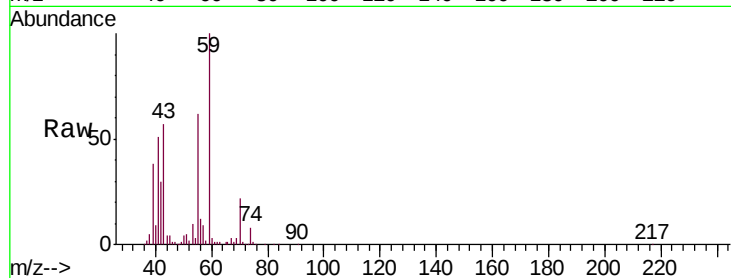


#17

tert-Butyl alcohol
 Concen: 2.824 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.02 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Instrument :
 MSVOA_L
 ClientSampled :
 SSG-2

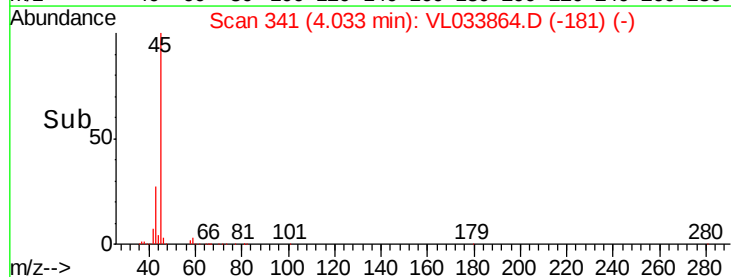
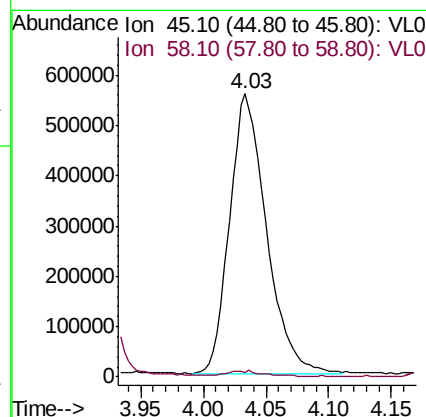
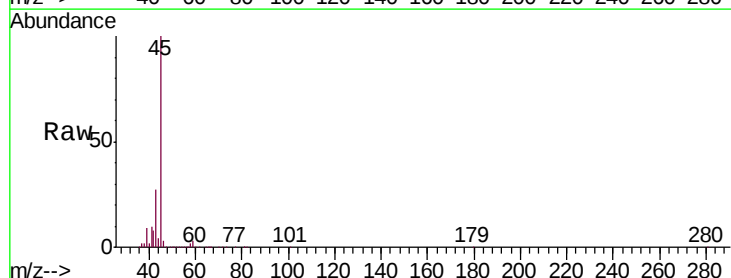
Tgt Ion: 59 Resp: 253626
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

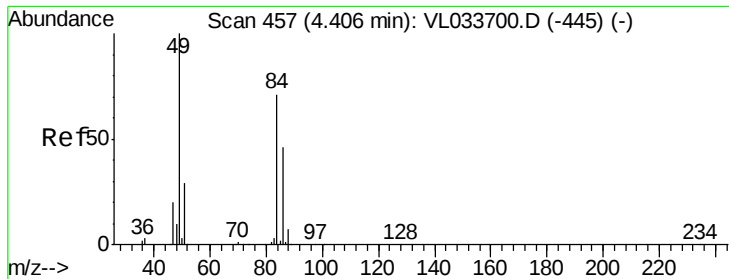


#19

Isopropyl Alcohol
 Concen: 15.833 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 45 Resp: 1133987
 Ion Ratio Lower Upper
 45 100
 58 330.9 1.6 2.4#





#20

Methylene Chloride

Concen: 0.621 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

Tgt Ion: 84 Resp: 26574

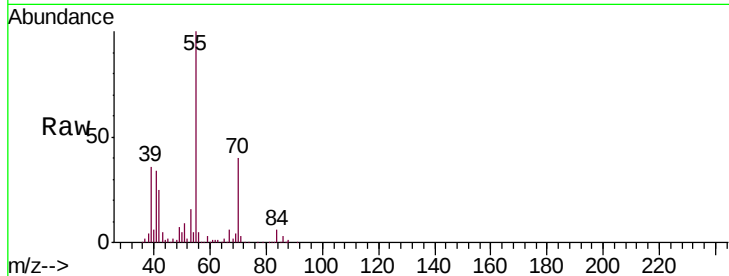
Ion Ratio Lower Upper

84 100

49 120.3 112.8 169.2

51 147.2 33.4 50.0#

86 59.3 51.7 77.5

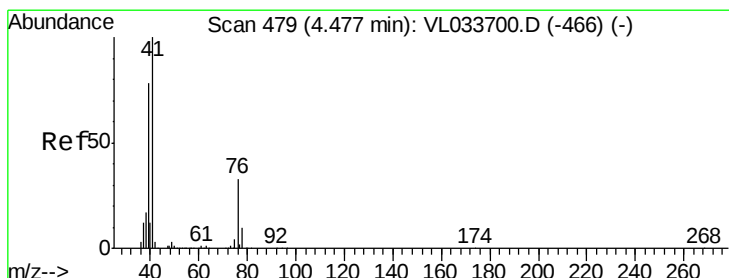
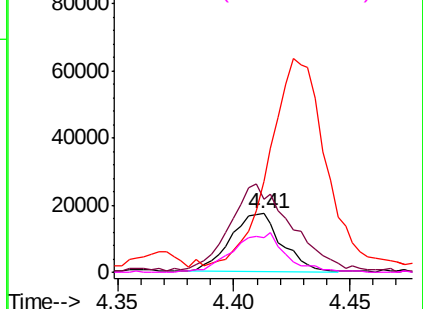
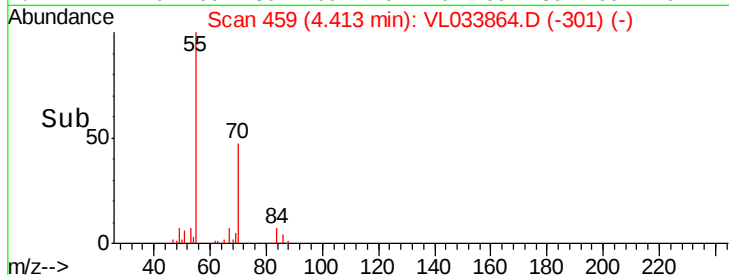


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 6.783 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.05 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

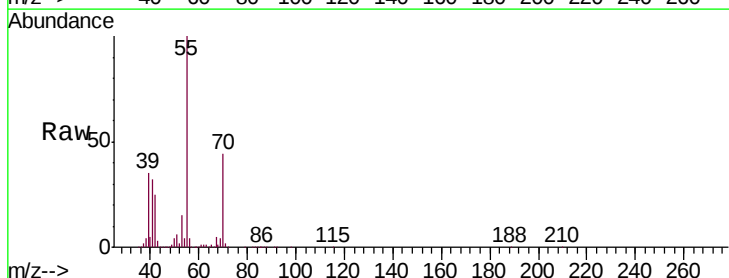
Tgt Ion: 41 Resp: 469965

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

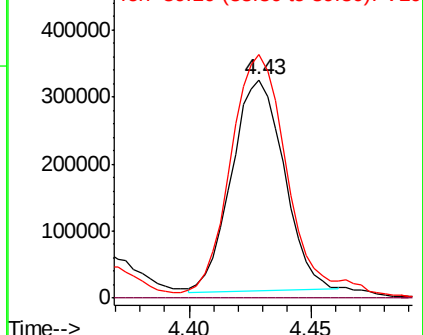
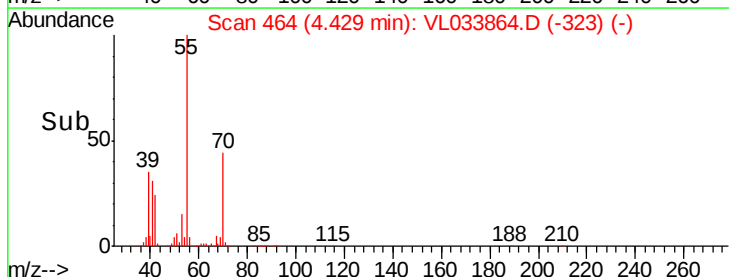
39 126.9 64.6 97.0#

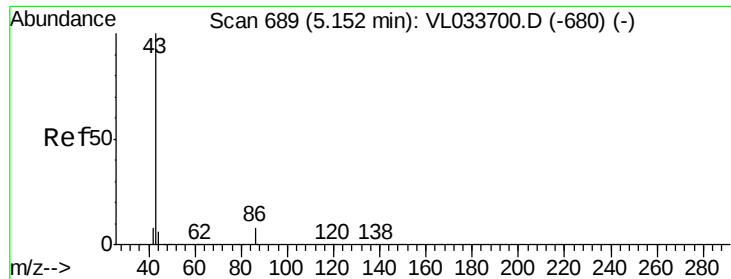


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 9.288 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

Tgt Ion: 43 Resp: 1360354

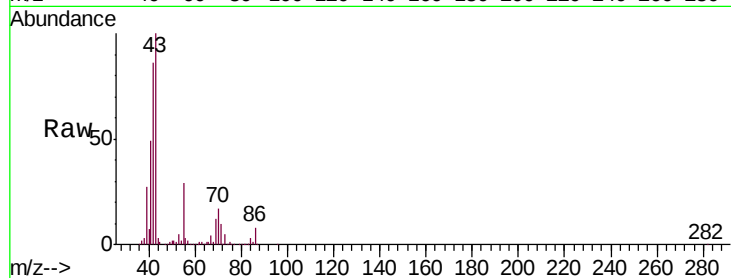
Ion Ratio Lower Upper

43 100

86 8.0 6.0 9.0

42 85.9 7.5 11.3#

44 2.4 4.4 6.6#

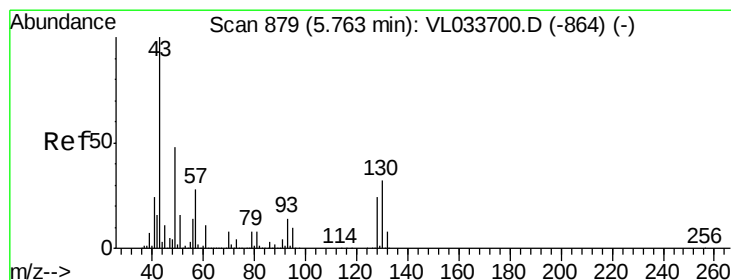
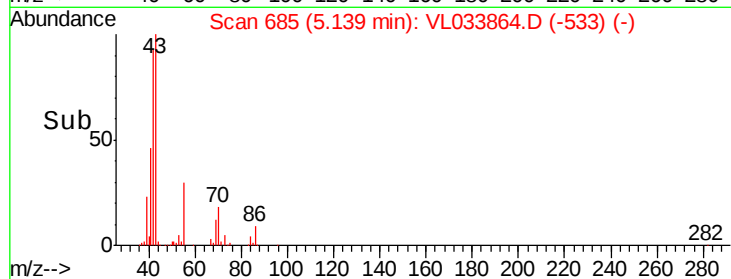
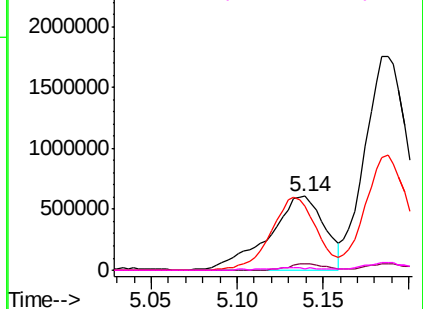


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 9.132 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.02 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Tgt Ion: 43 Resp: 1781900

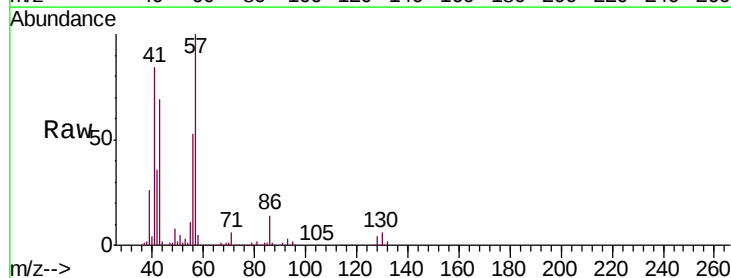
Ion Ratio Lower Upper

43 100

45 0.6 7.9 11.9#

61 0.5 7.7 11.5#

70 1.8 5.8 8.6#

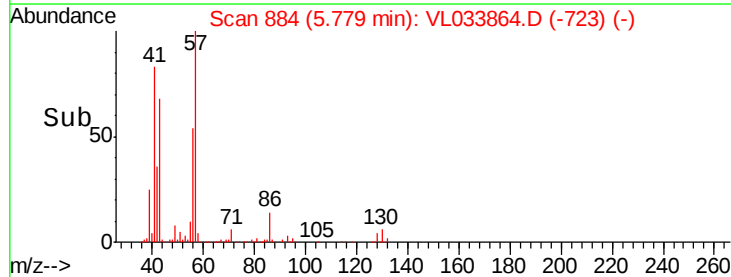
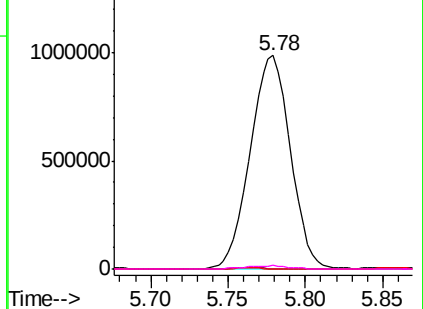


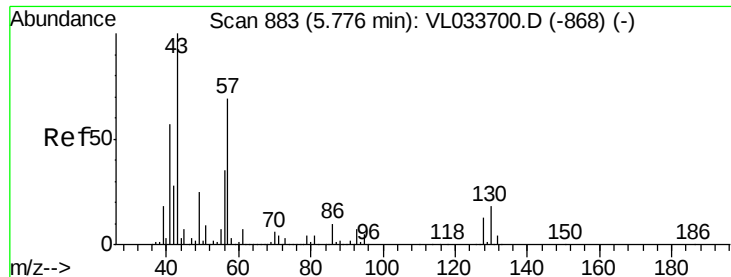
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 30.695 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

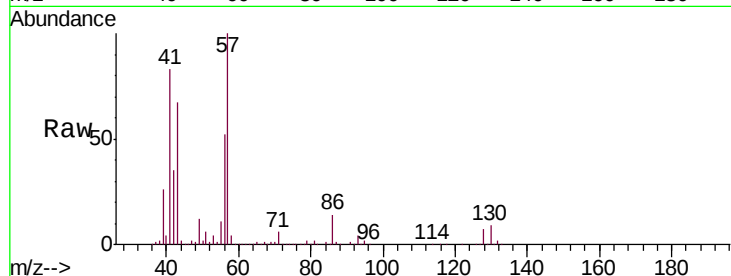
MSVOA_L

ClientSampleId :

SSG-2

Tgt Ion: 57 Resp: 2574834

Ion	Ratio	Lower	Upper
57	100		
41	87.3	69.8	104.6
43	69.2	181.8	272.6#
56	53.5	42.1	63.1



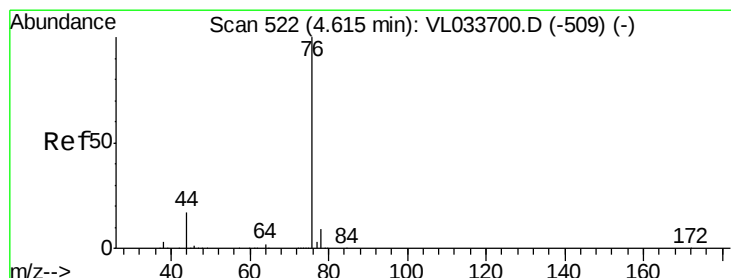
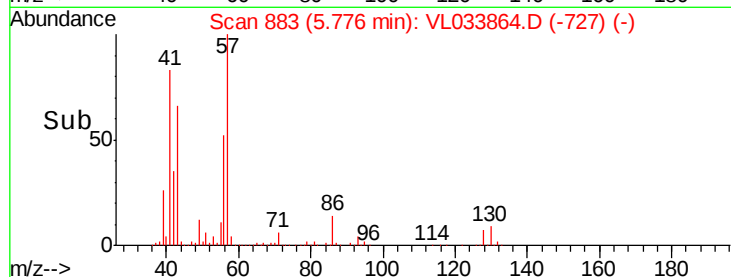
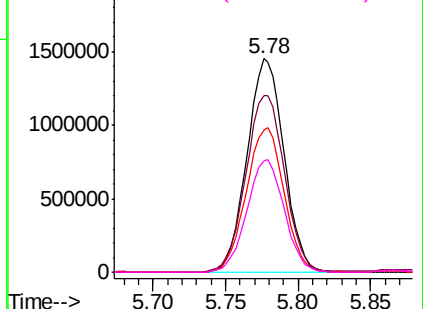
Abundance

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: 4.226 ppbv

RT: 4.62 min Scan# 522

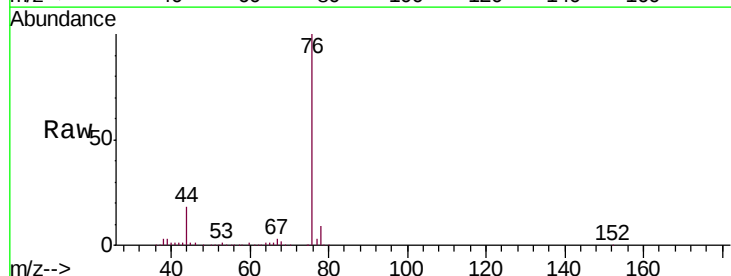
Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Tgt Ion: 76 Resp: 486400

Ion	Ratio	Lower	Upper
76	100		
44	18.8	13.8	20.8
78	8.9	7.4	11.0

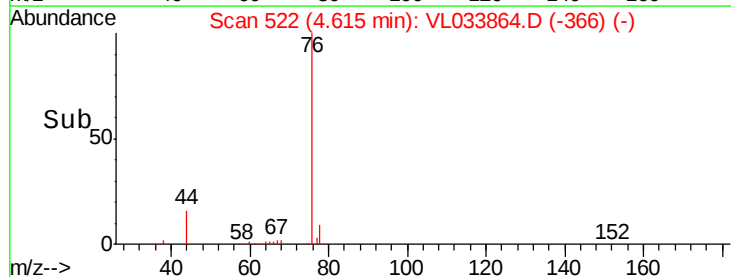
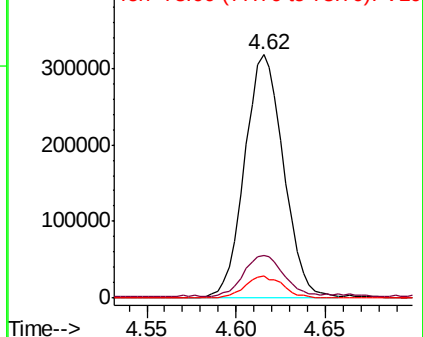


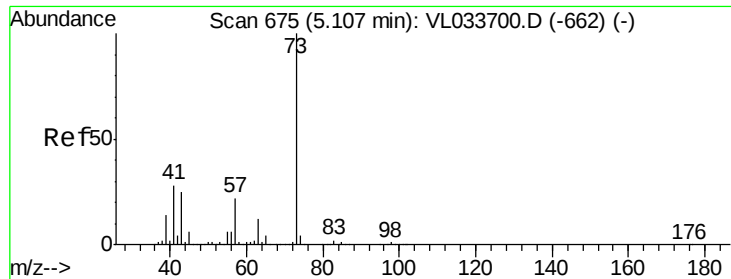
Abundance

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

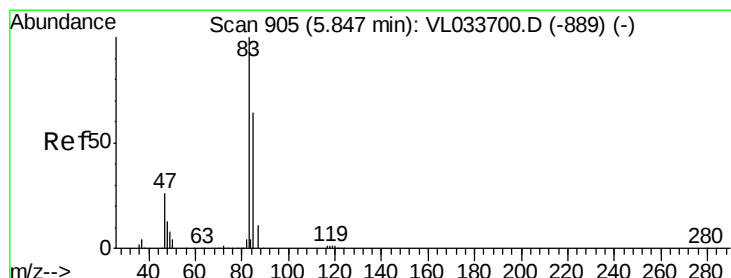
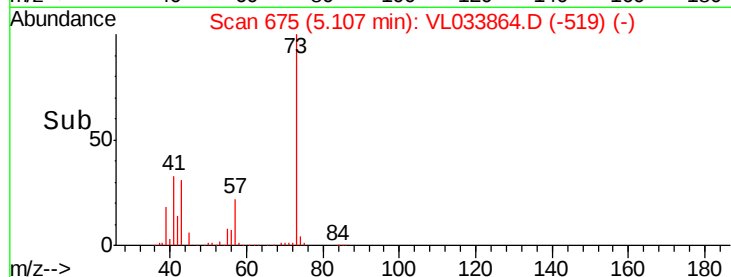
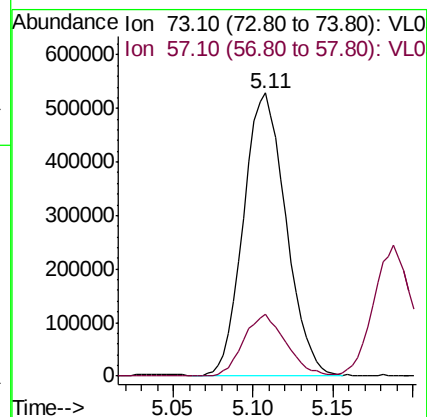
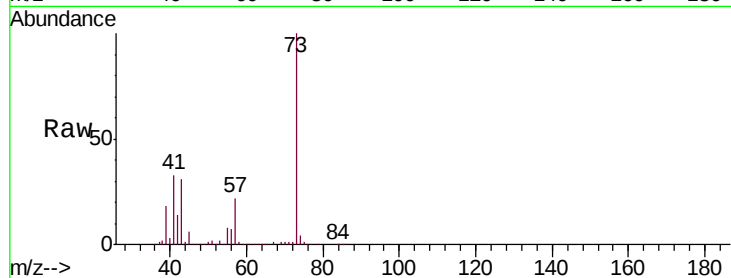




#28
Methyl tert-Butyl Ether
Concen: 6.996 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

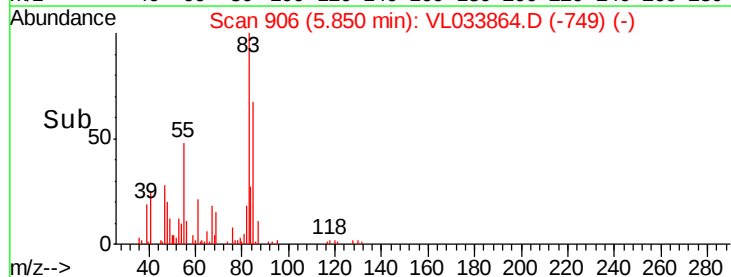
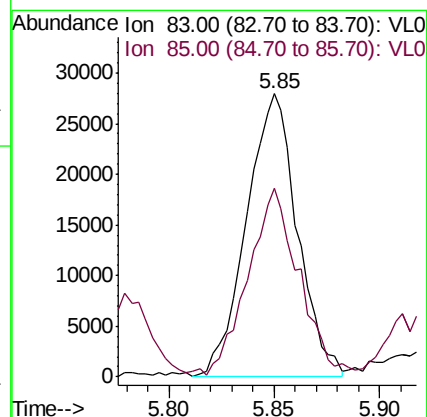
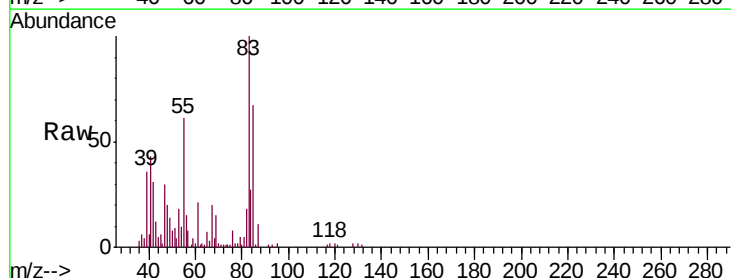
Instrument :
MSVOA_L
ClientSampleId :
SSG-2

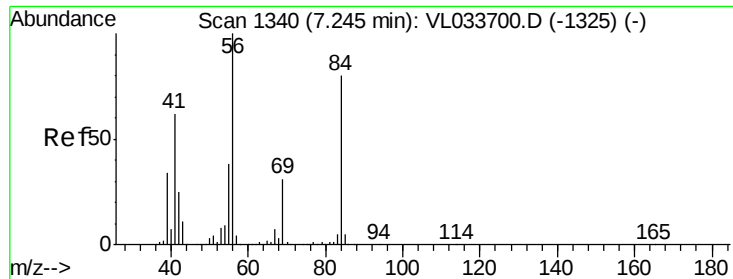
Tgt Ion: 73 Resp: 956679
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2



#29
Chloroform
Concen: 0.304 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

Tgt Ion: 83 Resp: 46983
Ion Ratio Lower Upper
83 100
85 64.5 51.5 77.3

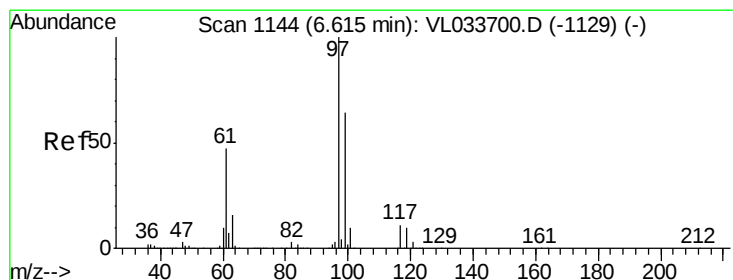
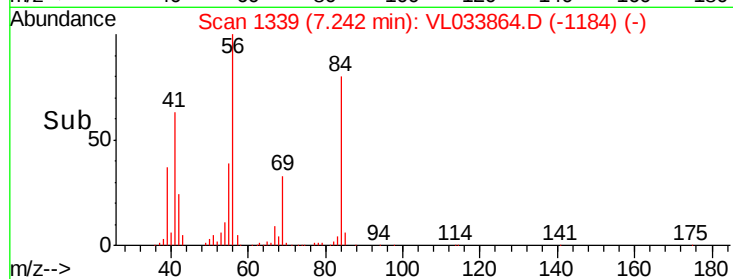
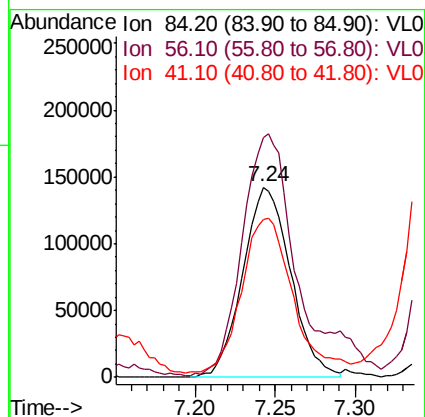
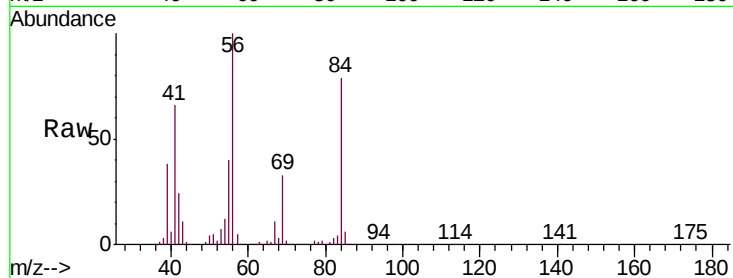




#30
Cyclohexane
Concen: 4.110 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

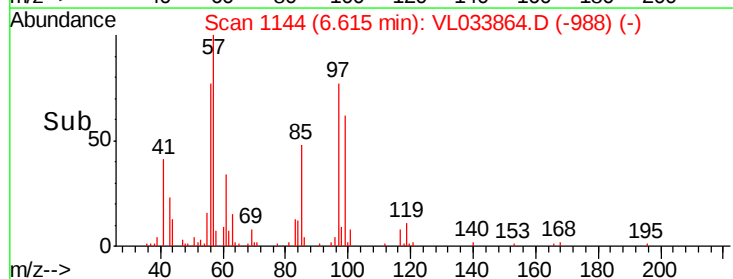
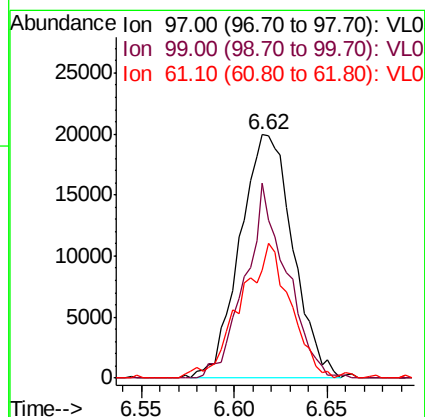
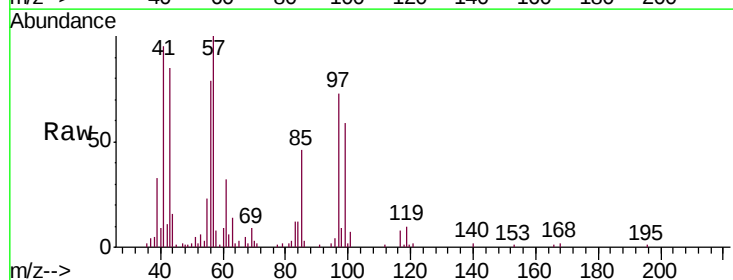
Instrument :
MSVOA_L
ClientSampleID :
SSG-2

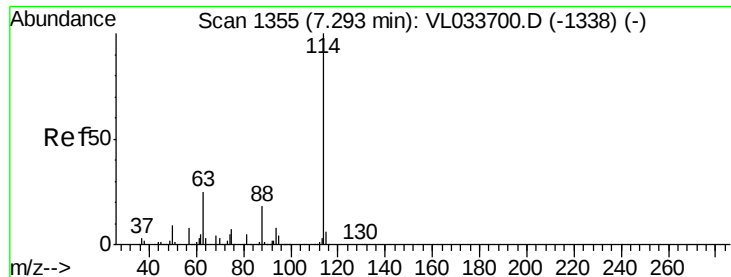
Tgt Ion: 84 Resp: 289830
Ion Ratio Lower Upper
84 100
56 147.3 107.7 161.5
41 86.5 66.0 99.0



#32
1,1,1-Trichloroethane
Concen: 0.256 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

Tgt Ion: 97 Resp: 39544
Ion Ratio Lower Upper
97 100
99 62.8 51.5 77.3
61 53.2 37.8 56.8

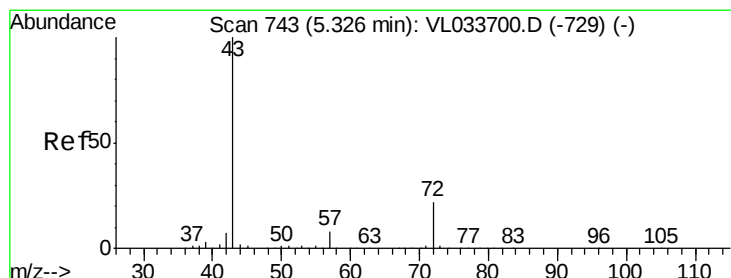
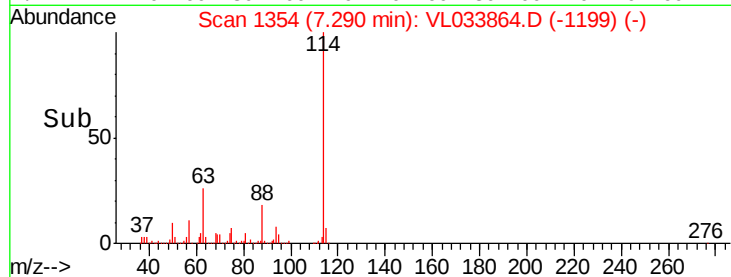
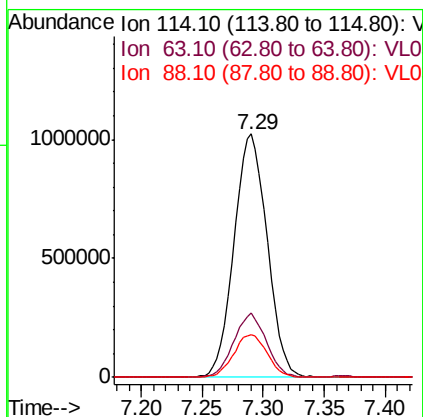
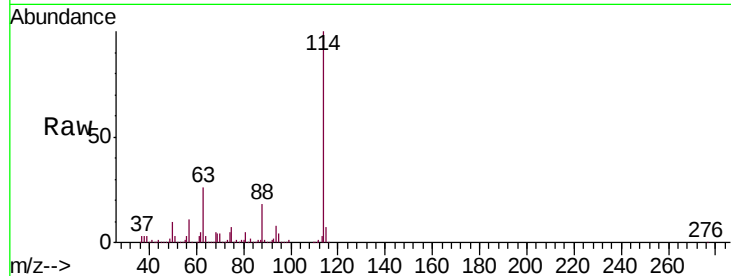




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

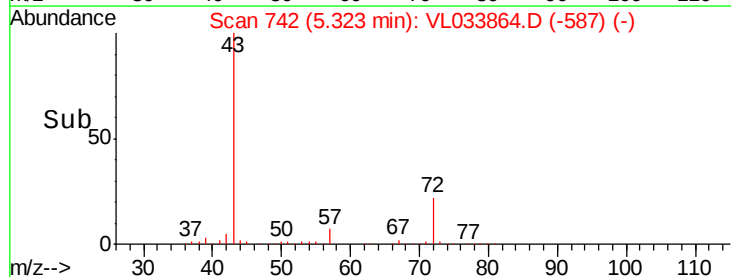
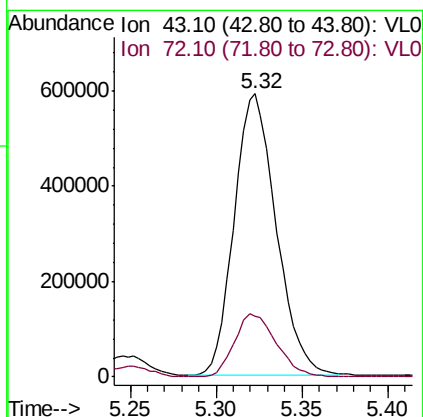
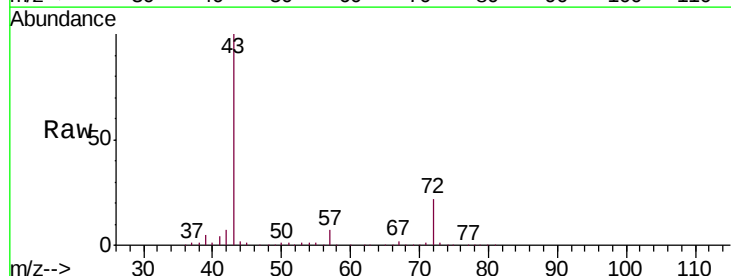
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2

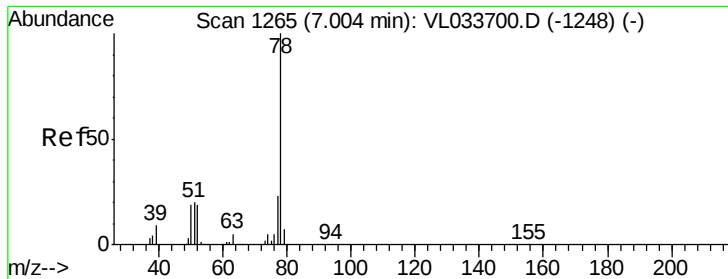
Tgt Ion:114 Resp: 1924036
 Ion Ratio Lower Upper
 114 100
 63 26.1 20.9 31.3
 88 17.8 14.3 21.5



#34
 2-Butanone
 Concen: 8.411 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 43 Resp: 1003046
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.8 26.6





#36

Benzene

Concen: 11.773 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

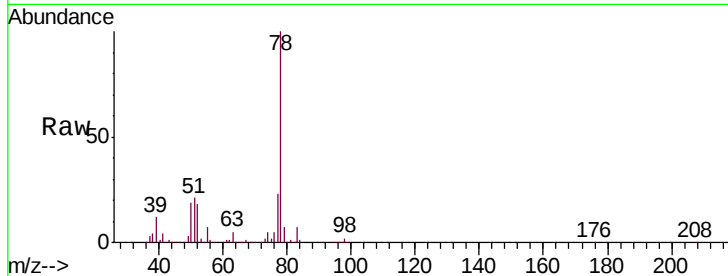
Tgt Ion: 78 Resp: 2060477

Ion Ratio Lower Upper

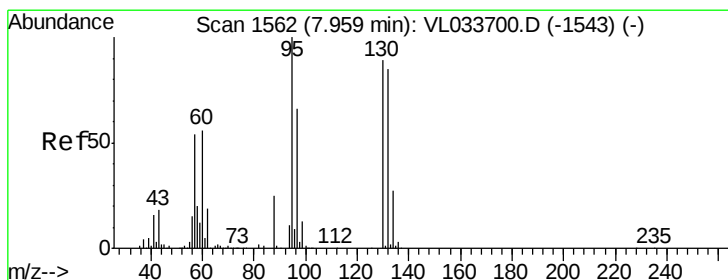
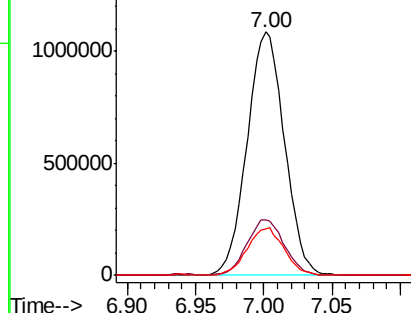
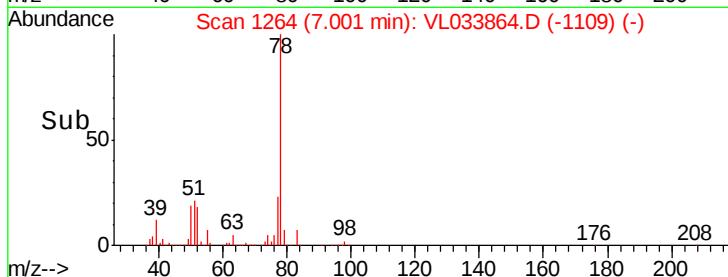
78 100

77 22.9 18.4 27.6

50 19.0 15.5 23.3



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: 0.149 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Tgt Ion: 130 Resp: 9701

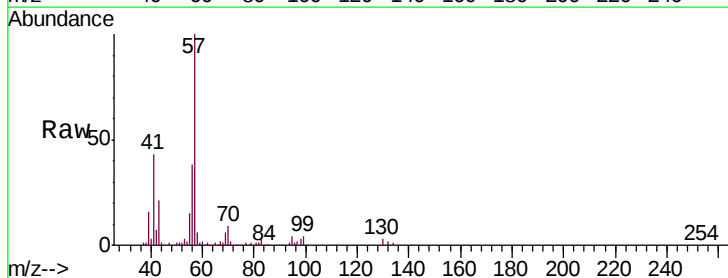
Ion Ratio Lower Upper

130 100

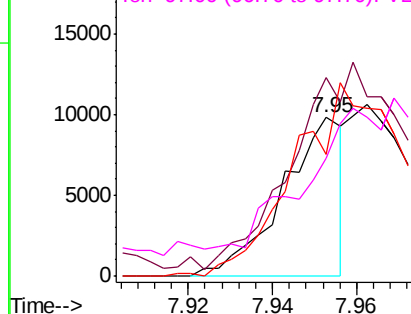
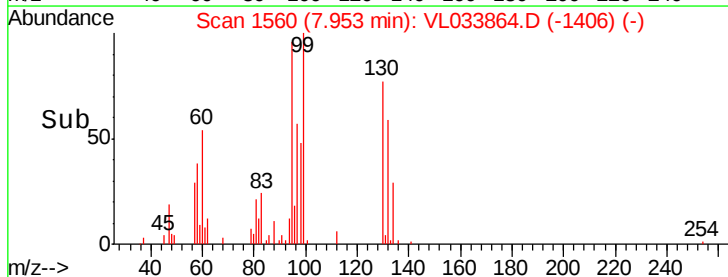
95 107.2 90.2 135.4

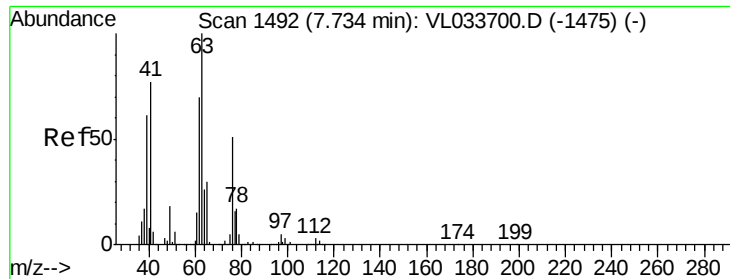
132 72.0 76.4 114.6#

97 51.9 59.8 89.6#



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

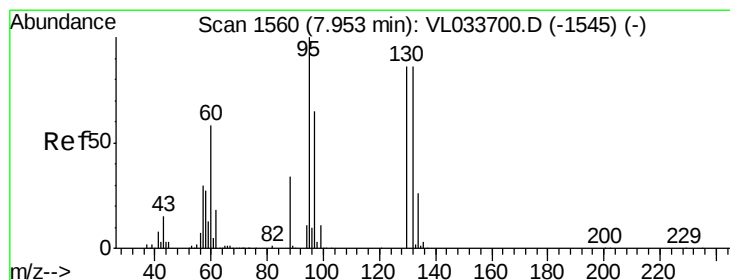
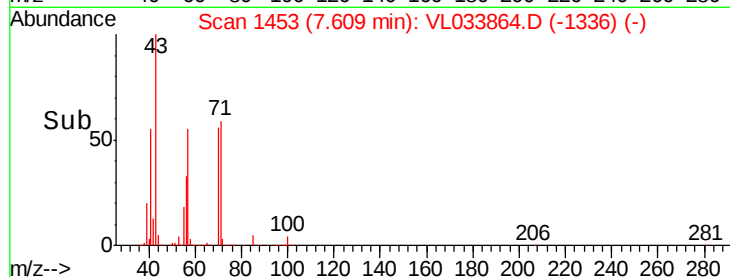
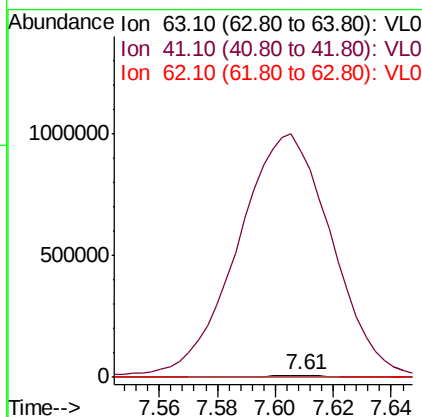
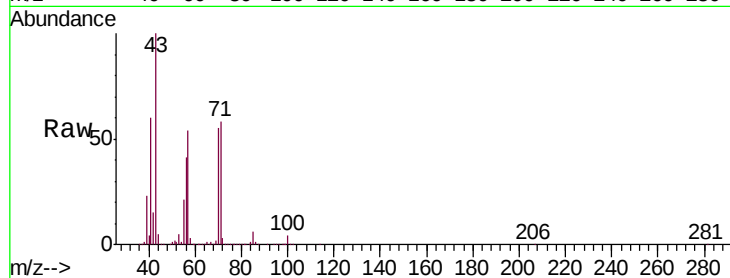




#39
 1,2-Dichloropropane
 Concen: 0.154 ppbv
 RT: 7.61 min Scan# 1453
 Delta R.T. -0.13 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

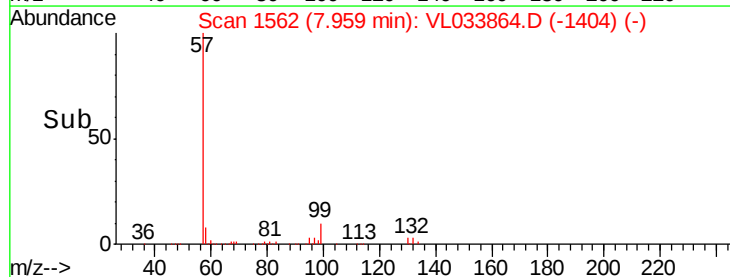
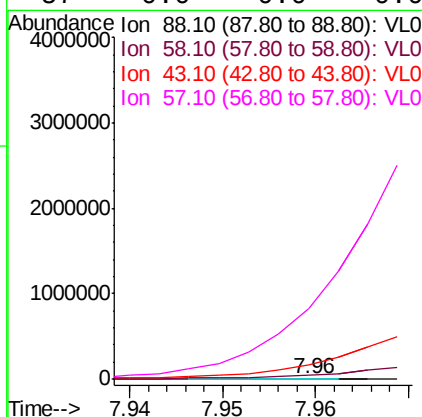
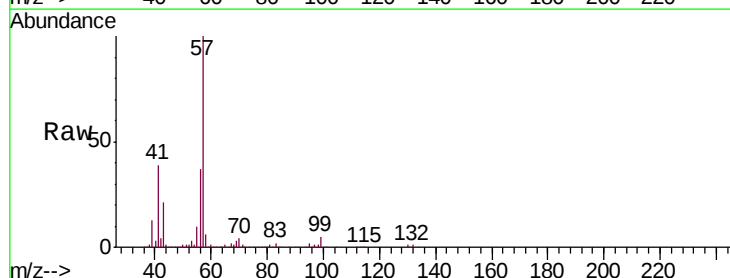
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2

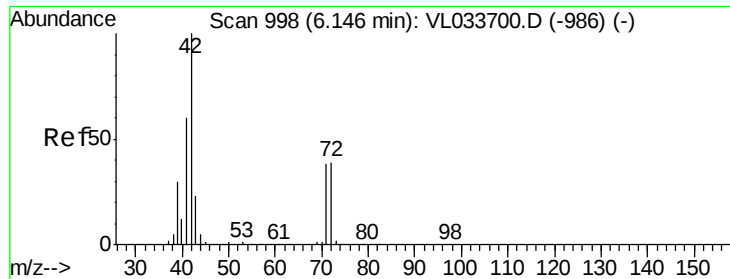
Tgt Ion: 63 Resp: 10077
 Ion Ratio Lower Upper
 63 100
 41 12507.8 61.5 92.3#
 62 29.3 56.2 84.4#



#40
 1,4-Dioxane
 Concen: 0.052 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 88 Resp: 1418
 Ion Ratio Lower Upper
 88 100
 58 0.0 101.8 152.6#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.783 ppbv

RT: 6.21 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampled :

SSG-2

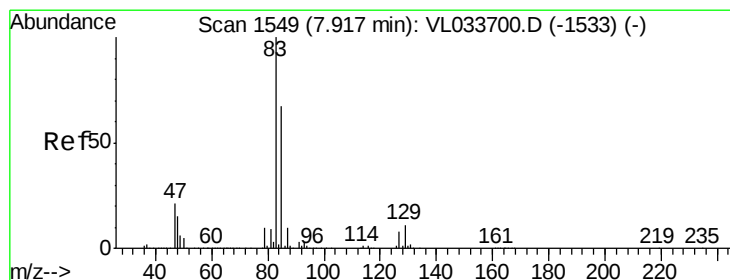
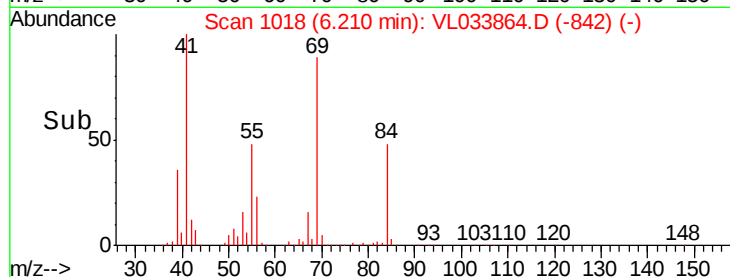
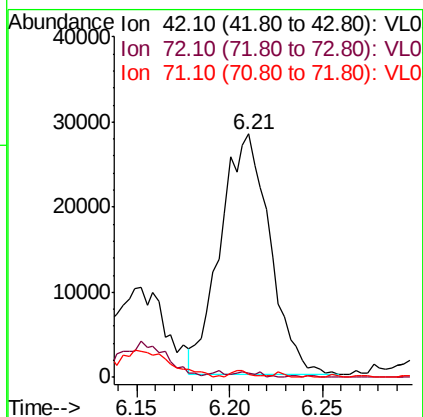
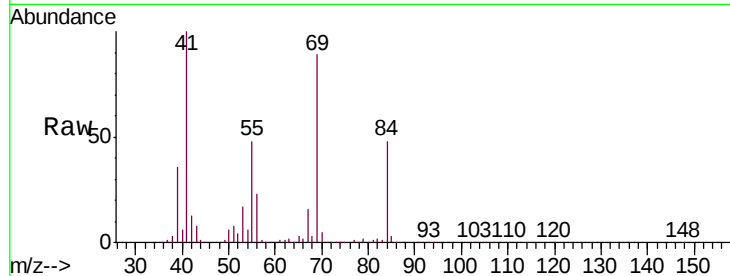
Tgt Ion: 42 Resp: 52290

Ion Ratio Lower Upper

42 100

72 22.3 32.0 48.0#

71 12.7 30.4 45.6#



#42

Bromodichloromethane

Concen: 0.980 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

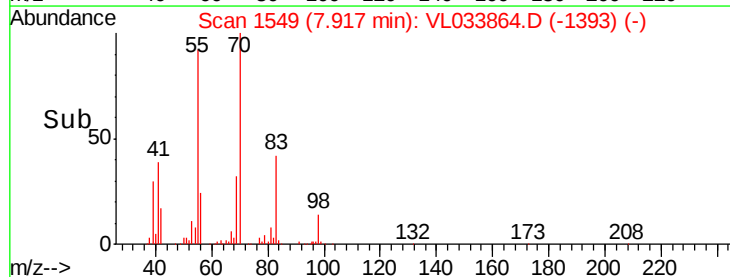
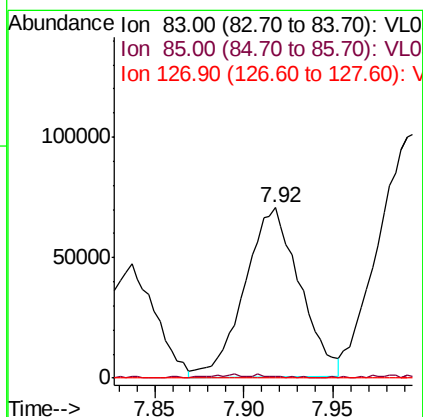
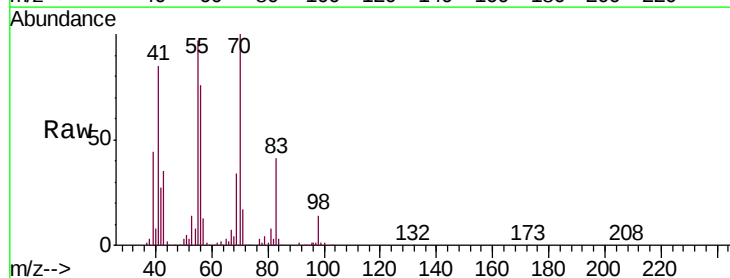
Tgt Ion: 83 Resp: 151488

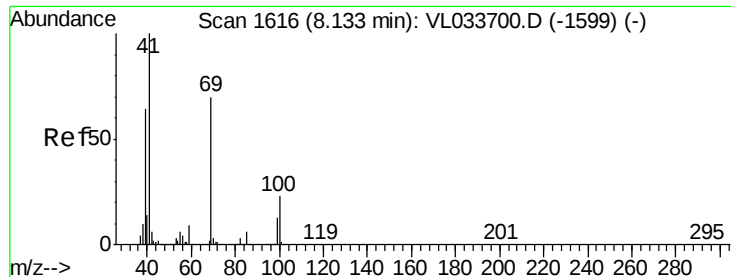
Ion Ratio Lower Upper

83 100

85 0.2 53.3 79.9#

127 0.0 6.5 9.7#

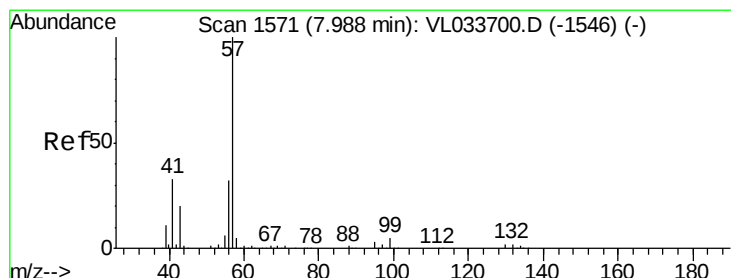
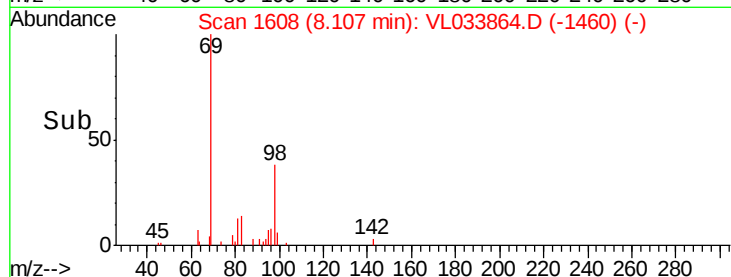
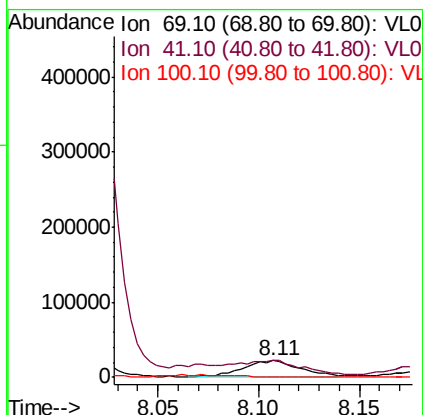
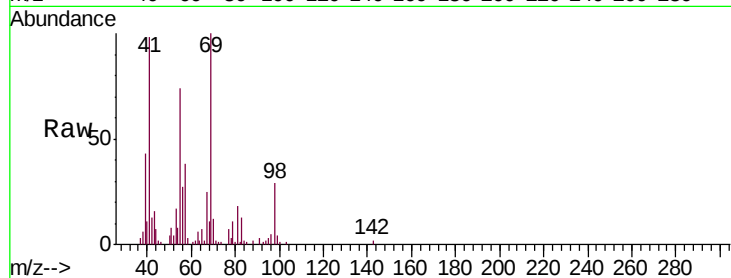




#43
Methyl Methacrylate
Concen: 0.653 ppbv
RT: 8.11 min Scan# 1608
Delta R.T. -0.03 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

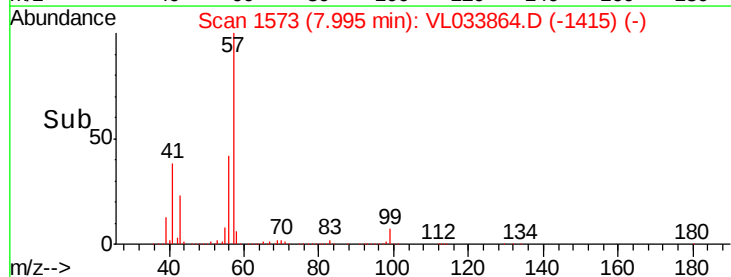
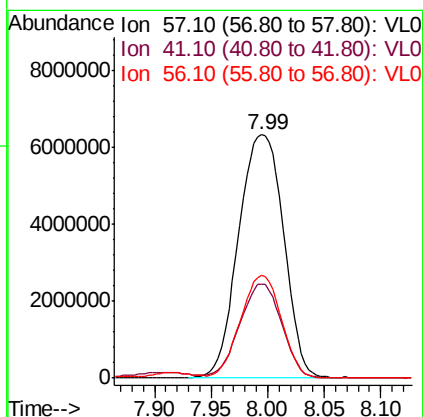
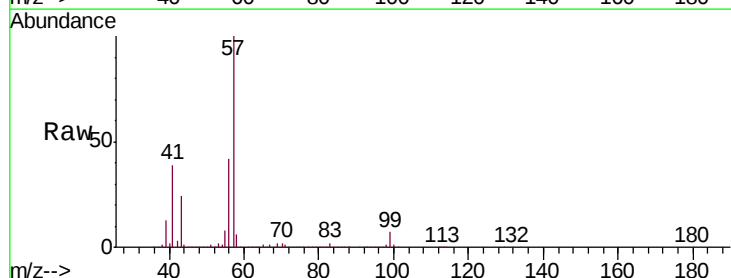
Instrument :
MSVOA_L
ClientSampleId :
SSG-2

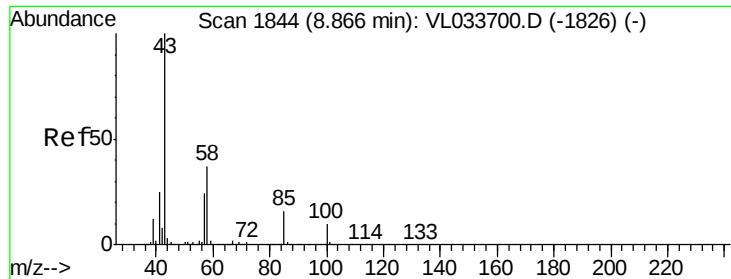
Tgt Ion: 69 Resp: 42092
Ion Ratio Lower Upper
69 100
41 0.0 116.3 174.5#
100 0.0 25.3 37.9#



#44
2,2,4-Trimethylpentane
Concen: 58.968 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

Tgt Ion: 57 Resp: 17442663
Ion Ratio Lower Upper
57 100
41 36.2 25.4 38.0
56 38.5 24.7 37.1#

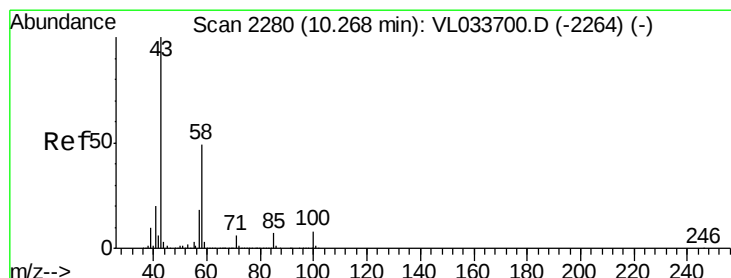
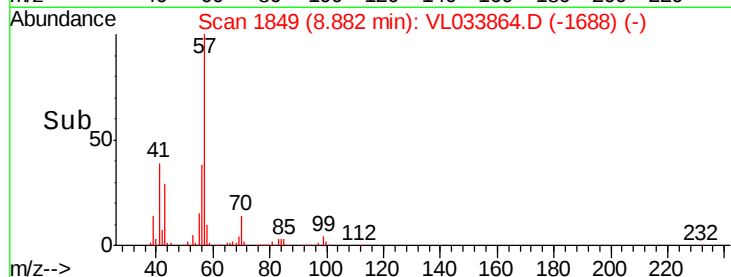
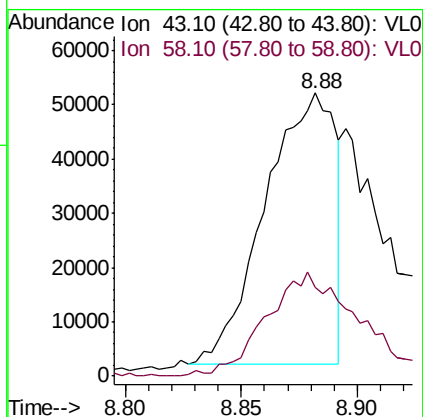
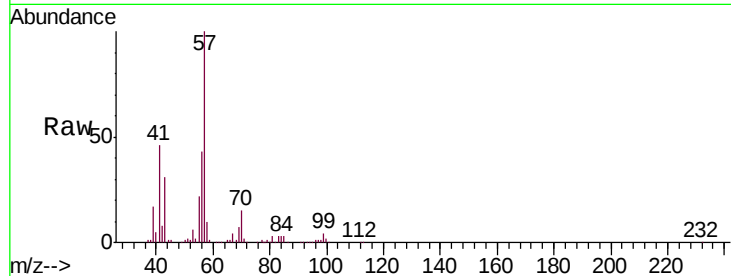




#50
 4-Methyl-2-Pentanone
 Concen: 0.571 ppbv
 RT: 8.88 min Scan# 1849
 Delta R.T. 0.02 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

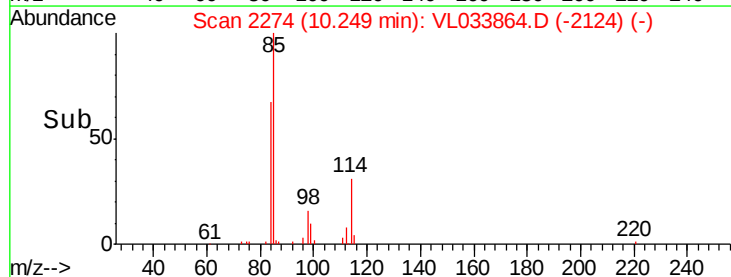
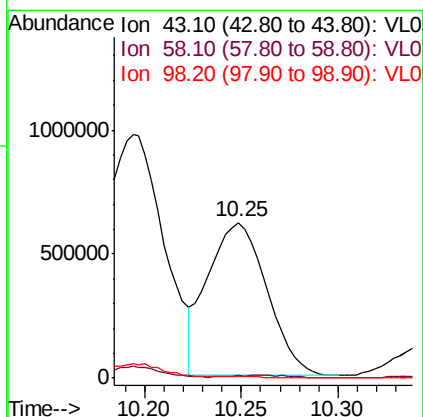
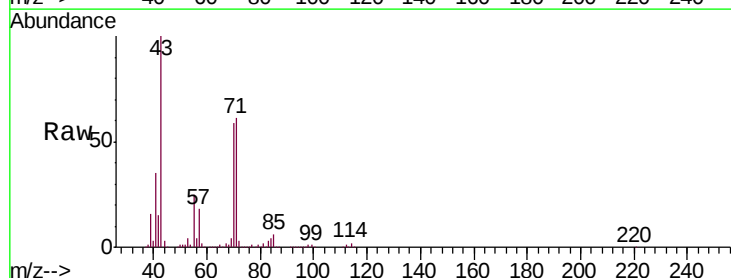
Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2

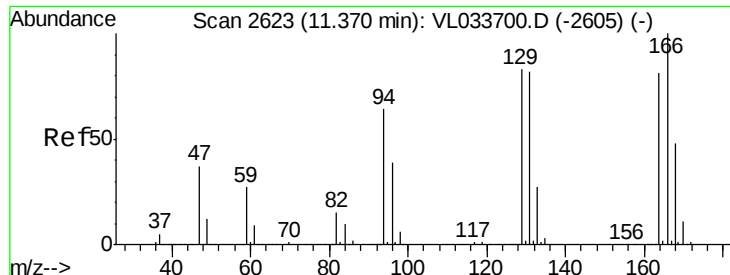
Tgt Ion: 43 Resp: 104828
 Ion Ratio Lower Upper
 43 100
 58 50.8 28.6 43.0#



#51
 2-Hexanone
 Concen: 9.203 ppbv
 RT: 10.25 min Scan# 2274
 Delta R.T. -0.02 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 43 Resp: 1317530
 Ion Ratio Lower Upper
 43 100
 58 1.9 38.7 58.1#
 98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 7.149 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

Tgt Ion:164 Resp: 439847

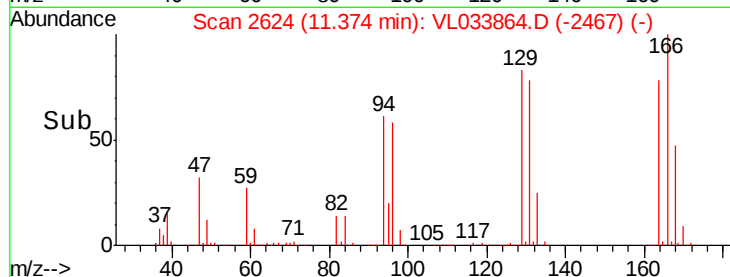
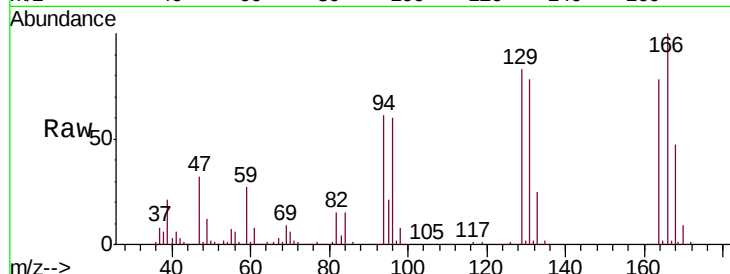
Ion Ratio Lower Upper

164 100

166 128.7 98.9 148.3

129 106.3 81.8 122.6

131 102.4 81.1 121.7

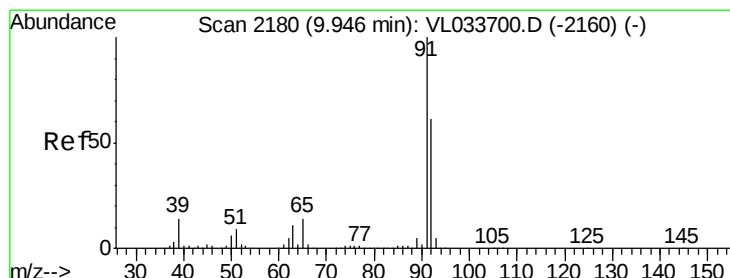
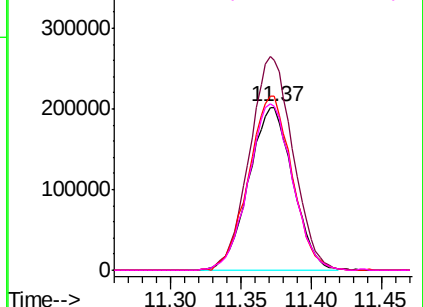


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 10.004 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033864.D

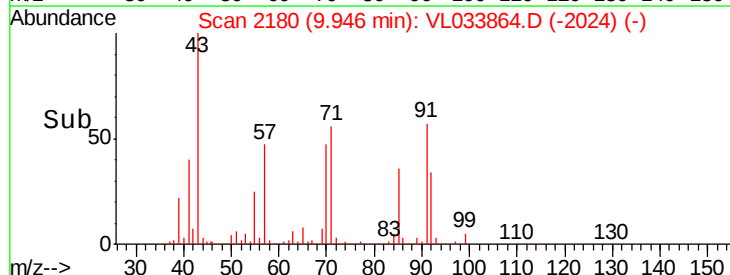
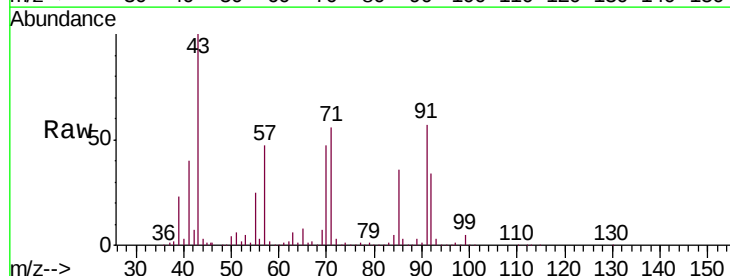
Acq: 30 May 2019 10:19

Tgt Ion: 91 Resp: 1888450

Ion Ratio Lower Upper

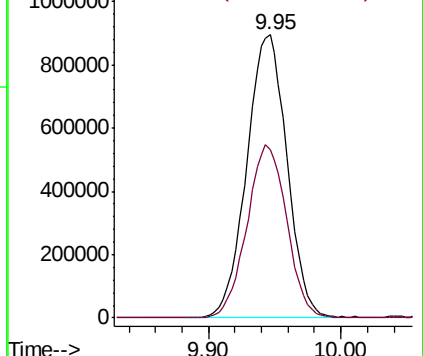
91 100

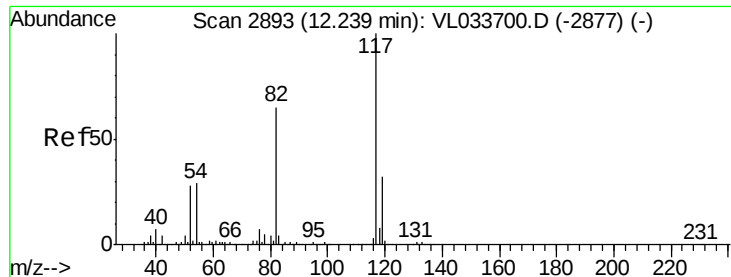
92 60.6 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

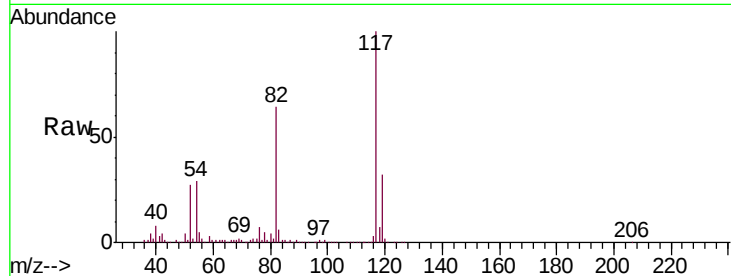




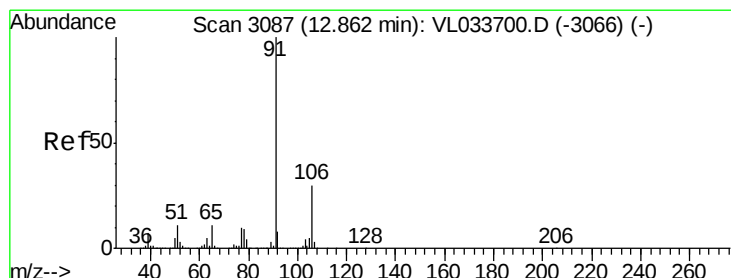
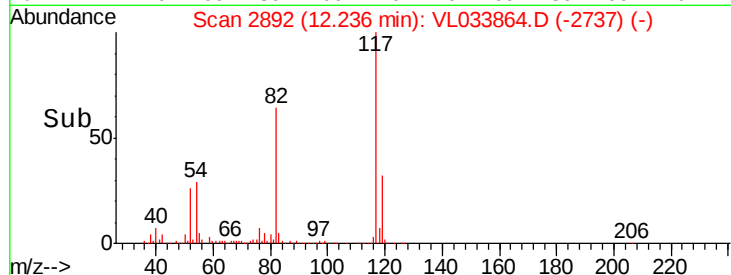
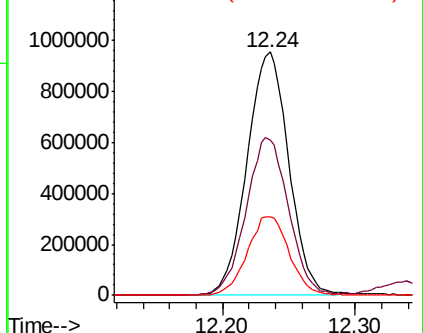
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

Instrument :
MSVOA_L
ClientSampleId :
SSG-2

Tgt Ion: 117 Resp: 2091217
Ion Ratio Lower Upper
117 100
82 66.3 49.4 74.0
119 32.9 24.9 37.3

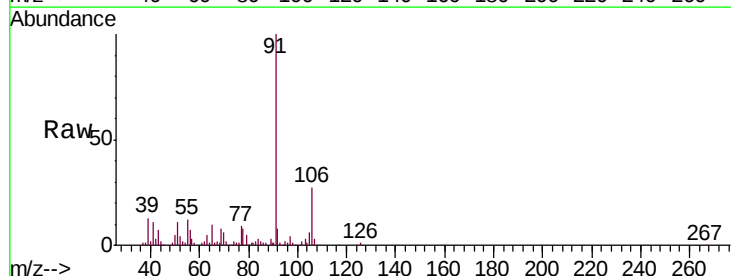


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

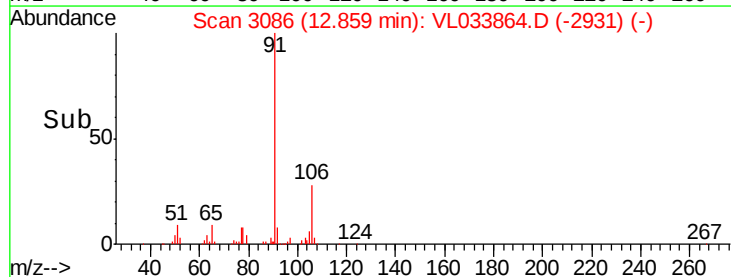
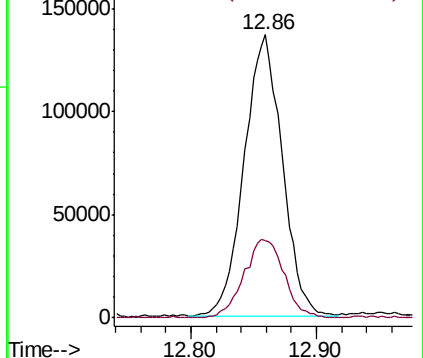


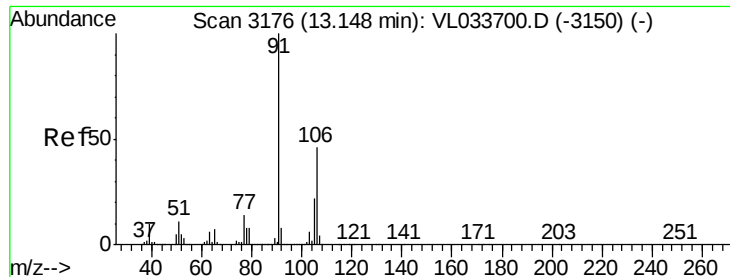
#58
Ethyl Benzene
Concen: 1.035 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033864.D
Acq: 30 May 2019 10:19

Tgt Ion: 91 Resp: 286546
Ion Ratio Lower Upper
91 100
106 27.6 23.9 35.9



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





#59

m/p-Xylene

Concen: 3.529 ppbv

RT: 13.11 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

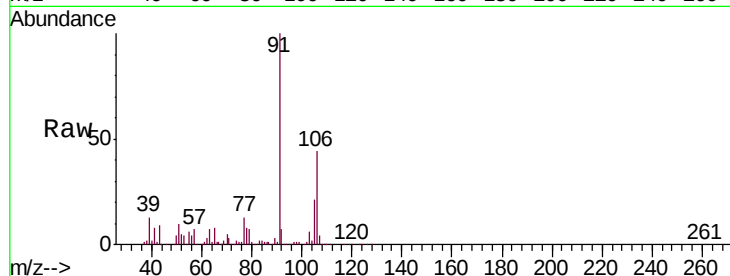
SSG-2

Tgt Ion: 91 Resp: 854339

Ion Ratio Lower Upper

91 100

106 46.3 35.8 53.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

300000

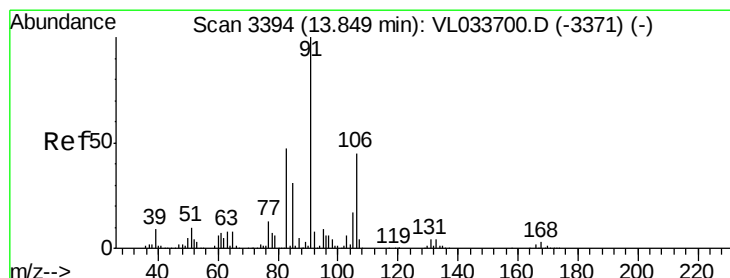
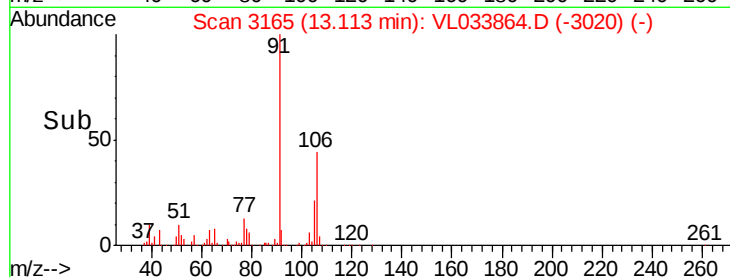
200000

100000

0

13.00 13.10 13.20

Time-->



#60

o-Xylene

Concen: 1.215 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL033864.D

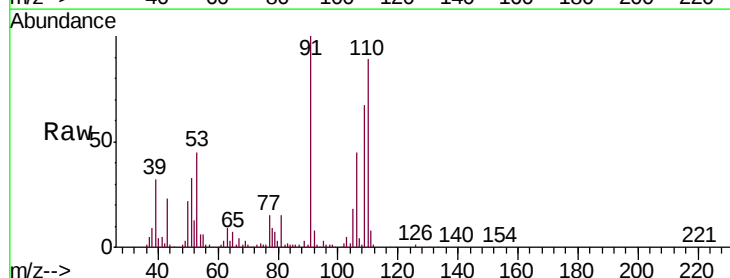
Acq: 30 May 2019 10:19

Tgt Ion: 91 Resp: 296494

Ion Ratio Lower Upper

91 100

106 44.6 21.6 64.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

150000

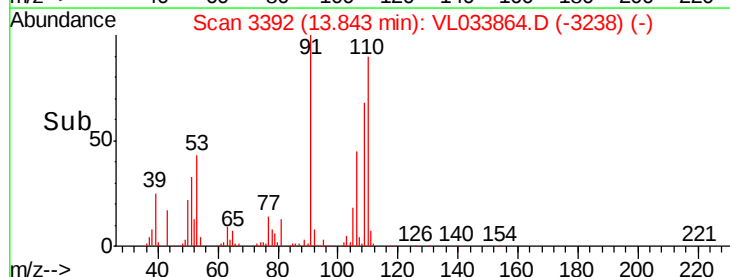
100000

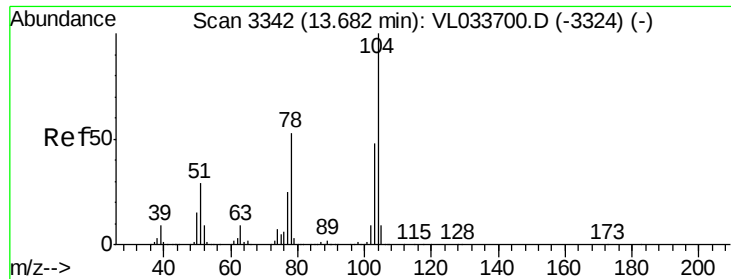
50000

0

13.75 13.80 13.85 13.90

Time-->





#61

Styrene

Concen: 0.058 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

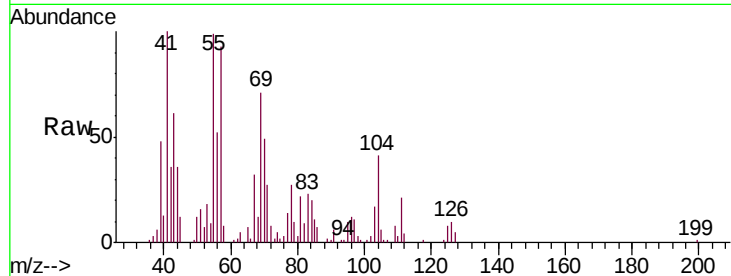
Tgt Ion:104 Resp: 9481

Ion Ratio Lower Upper

104 100

78 165.0 42.6 64.0#

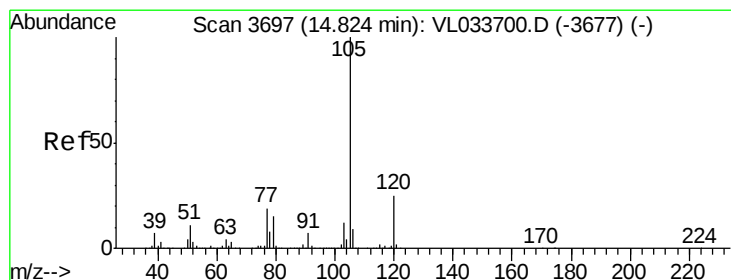
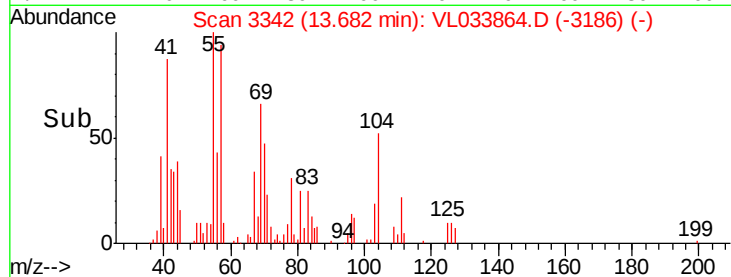
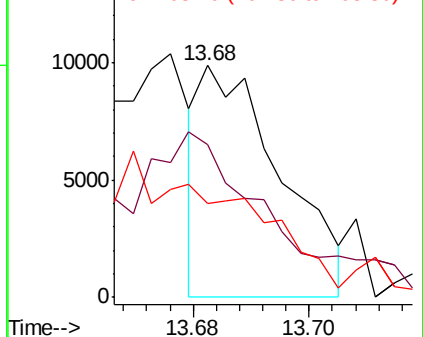
103 0.0 37.8 56.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.099 ppbv

RT: 14.82 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL033864.D

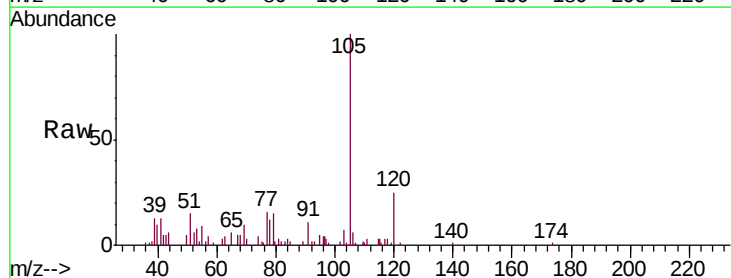
Acq: 30 May 2019 10:19

Tgt Ion:105 Resp: 32452

Ion Ratio Lower Upper

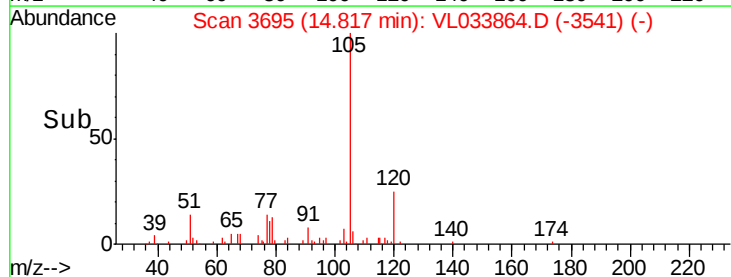
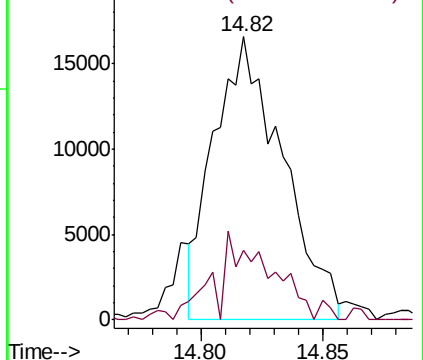
105 100

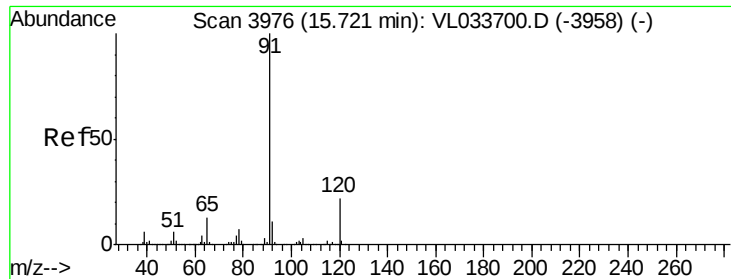
120 27.2 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.127 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

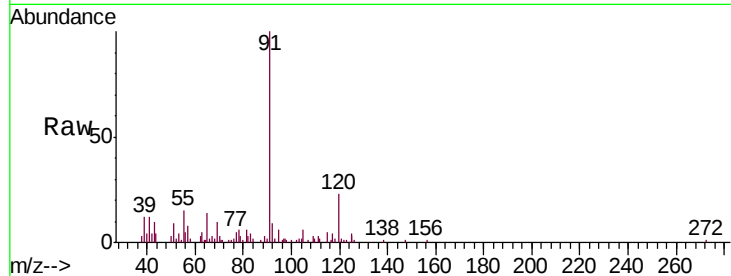
SSG-2

Tgt Ion:120 Resp: 10766

Ion Ratio Lower Upper

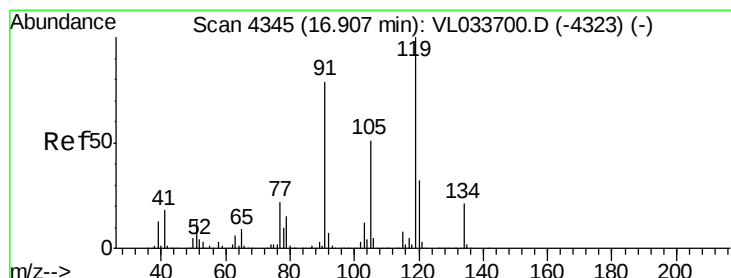
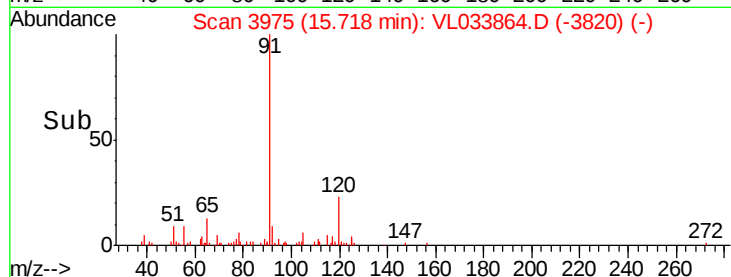
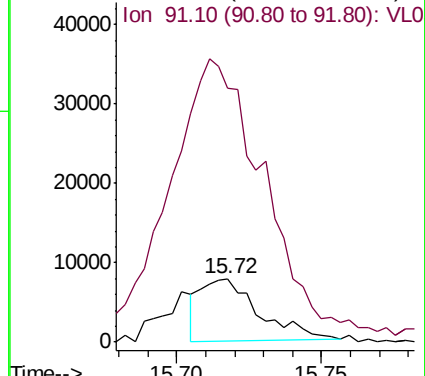
120 100

91 800.7 379.1 568.7#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.079 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

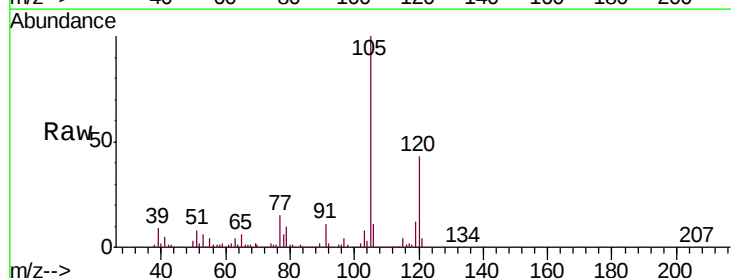
Tgt Ion:119 Resp: 23635

Ion Ratio Lower Upper

119 100

91 0.0 65.3 97.9#

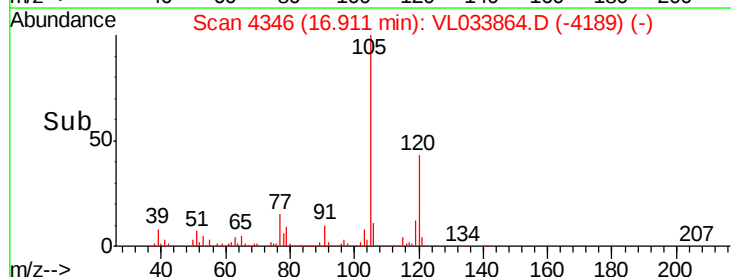
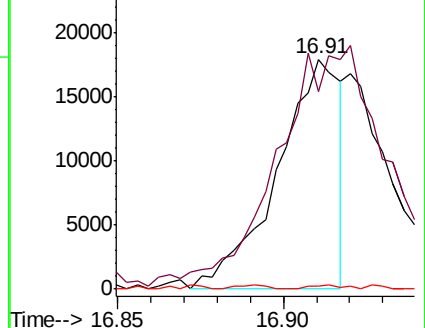
134 0.0 15.7 23.5#

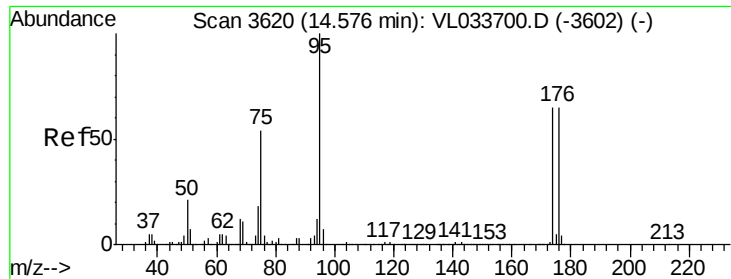


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

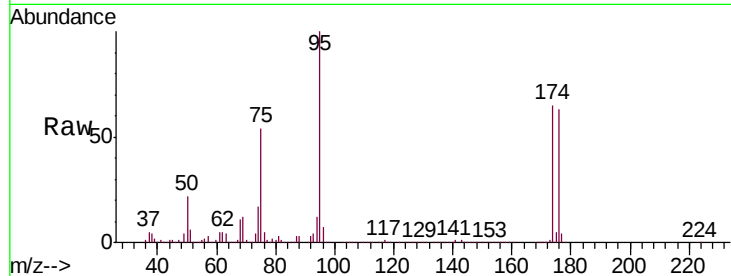




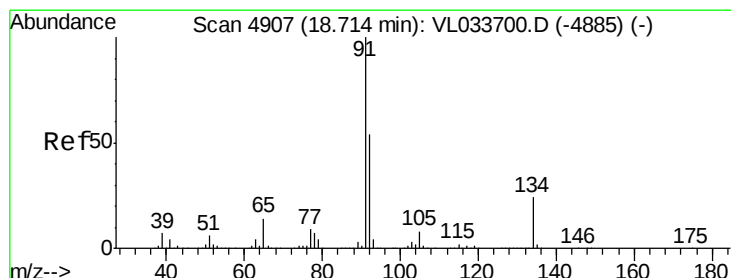
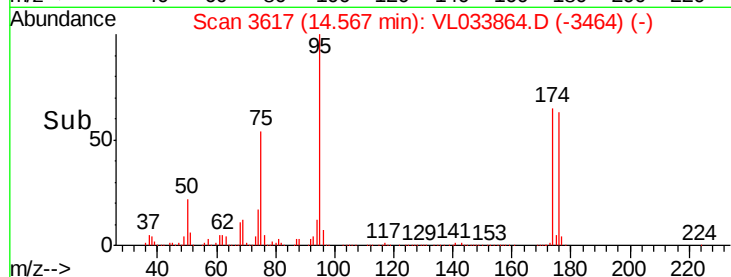
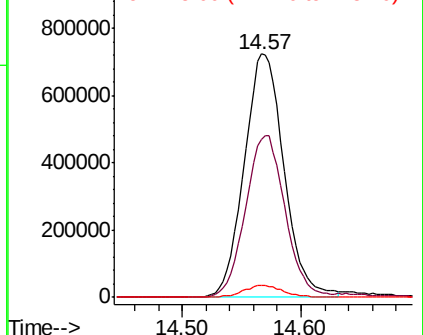
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.884 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Instrument :
 MSVOA_L
 ClientSampleID :
 SSG-2

Tgt Ion: 95 Resp: 1675695
 Ion Ratio Lower Upper
 95 100
 174 67.9 53.9 80.9
 175 4.9 3.8 5.8

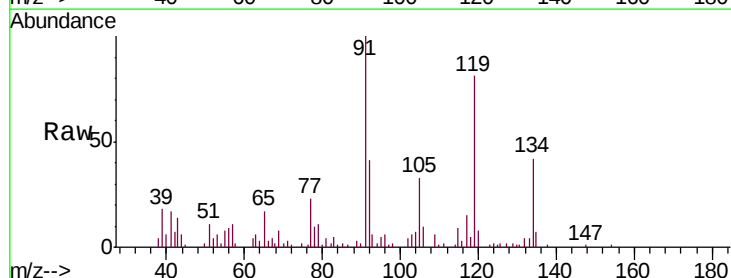


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

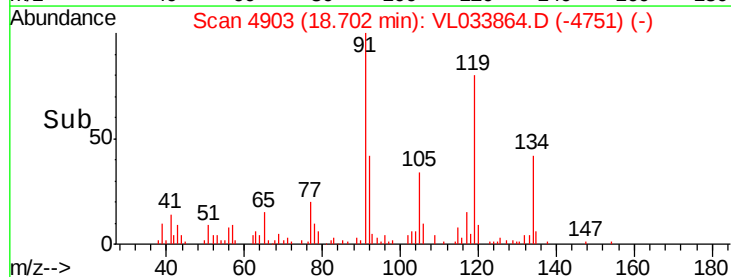
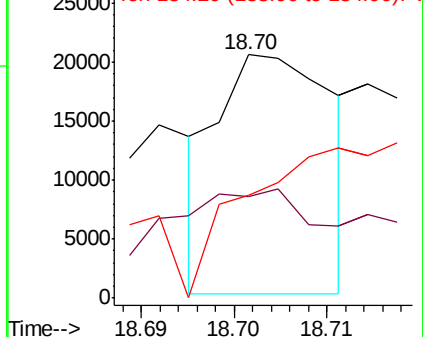


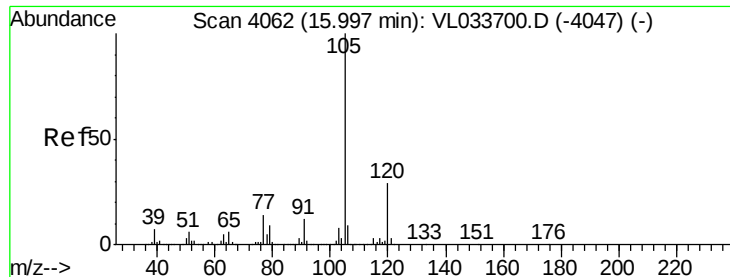
#70
 n-Butylbenzene
 Concen: 0.047 ppbv
 RT: 18.70 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Tgt Ion: 91 Resp: 17311
 Ion Ratio Lower Upper
 91 100
 92 125.7 42.6 63.8#
 134 0.0 18.1 27.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 0.207 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

Tgt Ion:105 Resp: 57893

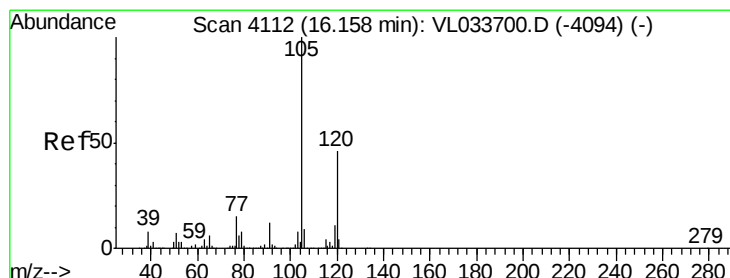
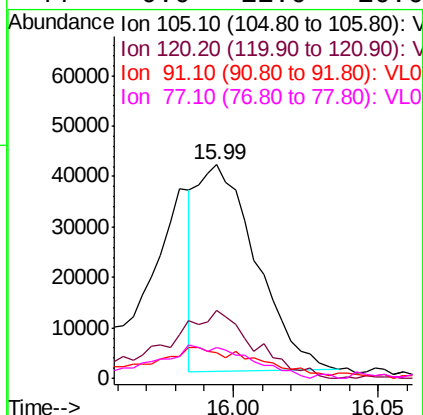
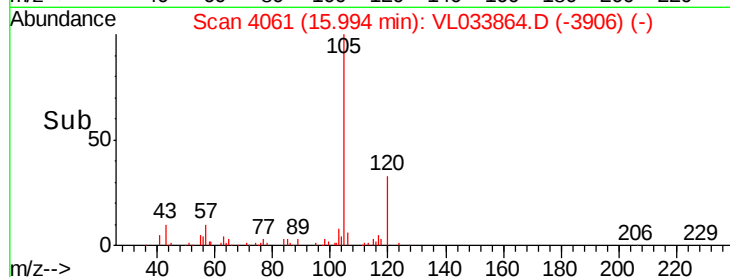
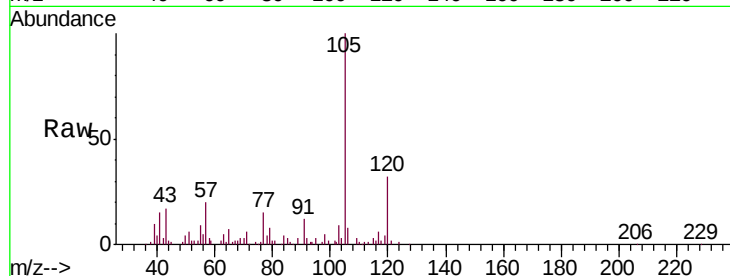
Ion Ratio Lower Upper

105 100

120 49.1 23.1 34.7#

91 0.0 10.4 15.6#

77 0.0 11.0 16.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.292 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033864.D

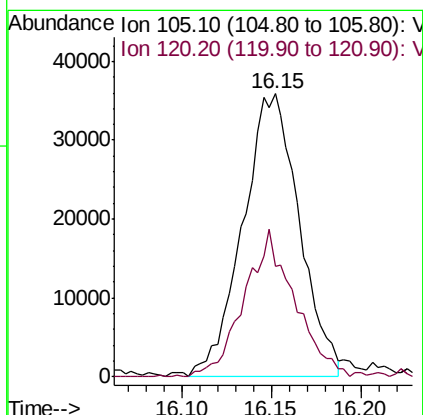
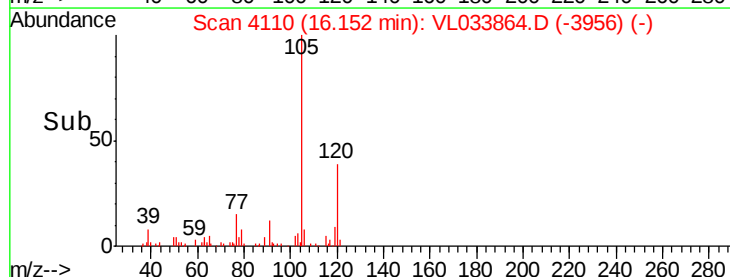
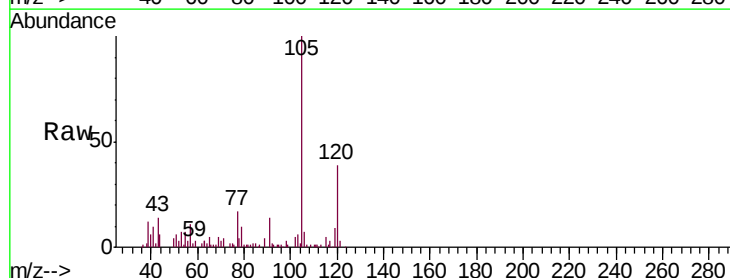
Acq: 30 May 2019 10:19

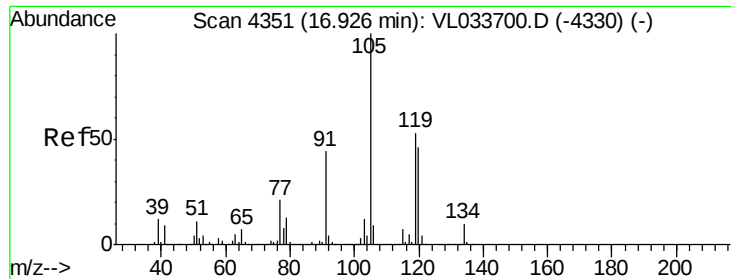
Tgt Ion:105 Resp: 79532

Ion Ratio Lower Upper

105 100

120 39.0 37.0 55.4





#74

1,2,4-Trimethylbenzene

Concen: 1.149 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

Instrument :

MSVOA_L

ClientSampleId :

SSG-2

Tgt Ion:105 Resp: 340330

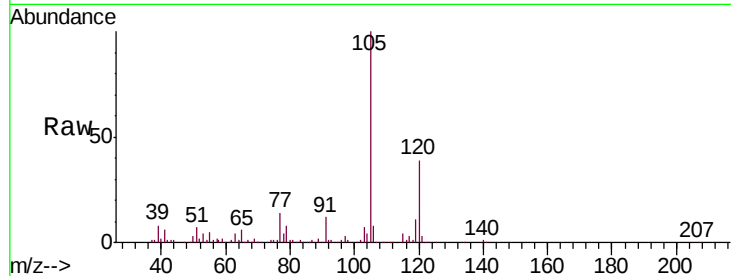
Ion Ratio Lower Upper

105 100

120 38.6 36.8 55.2

91 11.5 35.4 53.0#

77 13.3 16.8 25.2#



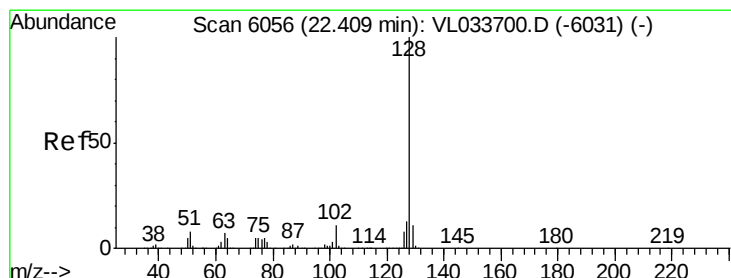
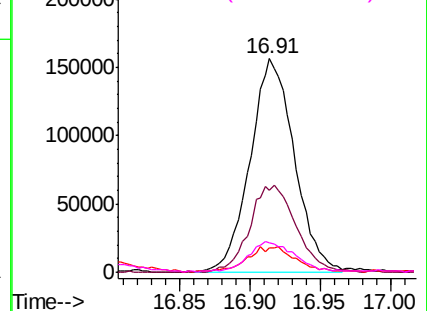
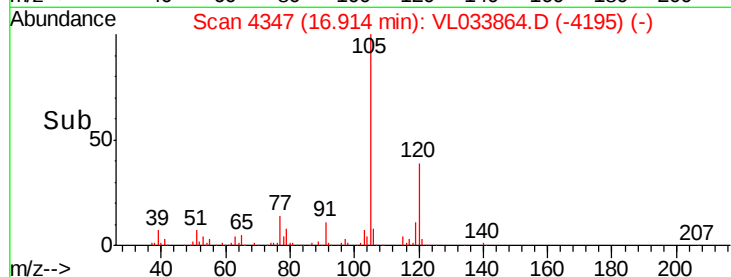
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 1.067 ppbv

RT: 22.40 min Scan# 6054

Delta R.T. -0.01 min

Lab File: VL033864.D

Acq: 30 May 2019 10:19

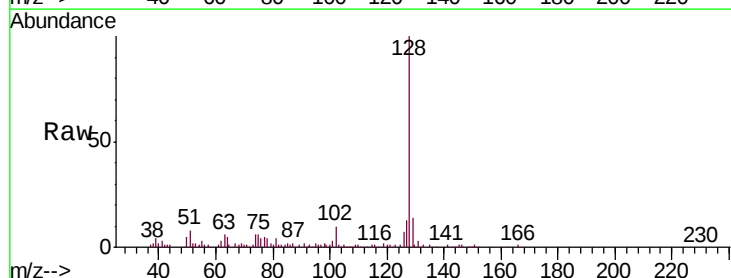
Tgt Ion:128 Resp: 293700

Ion Ratio Lower Upper

128 100

127 11.9 10.6 16.0

129 14.7 8.9 13.3#

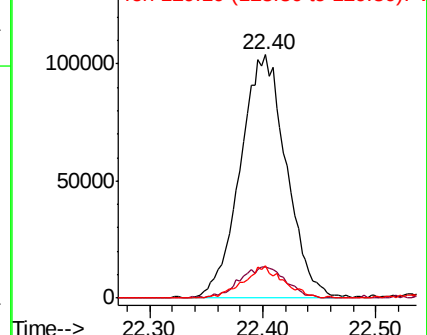
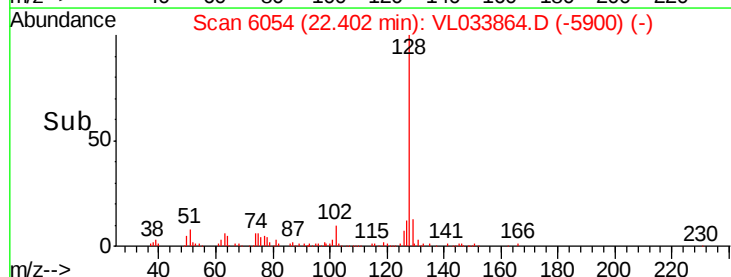


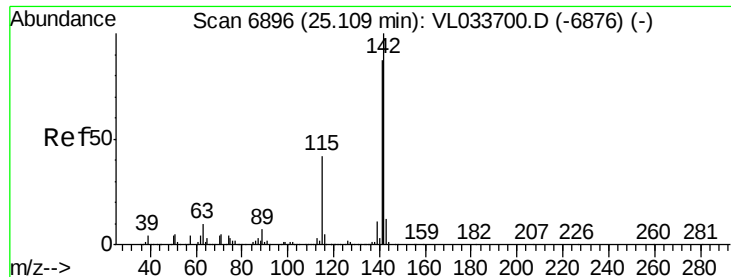
Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.172 ppbv
 RT: 25.11 min Scan# 6895
 Delta R.T. -0.00 min
 Lab File: VL033864.D
 Acq: 30 May 2019 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	67.2	100.8
115	65.1	34.1	51.1

