

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL040000.D
 Acq On : 13 Dec 2022 6:49
 Operator : SY/MD
 Sample : N5969-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3

Quant Time: Dec 13 07:58:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.173	49	852624	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.632	114	2476204	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2271040	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1825586	10.524	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	23319	0.191	ppbv #	80
3) Chlorodifluoromethane	2.655	51	11221	0.095	ppbv #	85
4) Chloromethane	2.790	50	17135	0.228	ppbv	94
7) Chloroethane	3.179	64	13151	0.566	ppbv #	83
9) Propene	2.674	41	192037	3.465	ppbv	88
10) Heptane	7.561	43	35090	0.262	ppbv #	53
11) Trichlorofluoromethane	3.546	101	47859	0.321	ppbv #	79
12) 1,1,2-Trichlorotri fluo...	4.047	101	7688	0.068	ppbv	97
13) Ethanol	3.221	45	114614	27.087	ppbv	94
15) Acetone	3.443	43	4055292	35.859	ppbv	95
16) 1,3-Butadiene	2.948	39	91452	1.623	ppbv #	22
17) tert-Butyl alcohol	3.870	59	95879	0.737	ppbv	97
19) Isopropyl Alcohol	3.562	45	101826	1.663	ppbv #	29
20) Methylene Chloride	3.912	84	477344	8.712	ppbv	98
23) Vinyl Acetate	4.591	43	50000	1.076	ppbv #	54
25) Ethyl Acetate	5.192	43	250674	1.207	ppbv #	78
26) Hexane	5.195	57	353117	3.893	ppbv #	38
27) Carbon Disulfide	4.105	76	22502	0.196	ppbv #	81
29) Chloroform	5.253	83	28787	0.239	ppbv	99
30) Cyclohexane	6.584	84	3838	0.043	ppbv #	1
34) 2-Butanone	4.767	43	674855	5.696	ppbv	98
36) Benzene	6.349	78	185962	0.884	ppbv	93
38) Trichloroethene	7.282	130	2727	0.023	ppbv	96
39) 1,2-Dichloropropane	6.632	63	612902	7.474	ppbv #	25
41) Tetrahydrofuran	5.800	42	4064	0.050	ppbv #	68
44) 2,2,4-Trimethylpentane	7.308	57	41792	0.119	ppbv #	40
50) 4-Methyl-2-Pentanone	8.176	43	22703	0.107	ppbv #	34
51) 2-Hexanone	9.536	43	132128	0.802	ppbv #	100
52) Tetrachloroethene	10.600	164	3486301	44.277	ppbv	97
53) Toluene	9.201	91	172340	0.719	ppbv	99
57) Chlorobenzene	11.510	112	49691	0.286	ppbv #	25
58) Ethyl Benzene	12.069	91	26704	0.087	ppbv	91
59) m/p-Xylene	12.327	91	112655	0.437	ppbv	94
60) o-Xylene	13.047	91	5788	0.024	ppbv #	30
61) Styrene	12.880	104	11289	0.077	ppbv #	1
62) Isopropylbenzene	14.018	105	16867	0.048	ppbv #	84
63) 1,1,2,2-Tetrachloroethane	13.028	83	1689	0.021	ppbv #	24
66) Benzyl Chloride	16.310	91	993	0.037	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.336	105	11205	0.044	ppbv #	70
74) 1,2,4-Trimethylbenzene	16.092	105	49908	0.186	ppbv #	63
79) Naphthalene	21.378	128	15633	0.098	ppbv #	85
80) Naphthalene,2-methyl-	24.368	142	7129	0.158	ppbv #	88

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Instrument :
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Quant Time: Dec 13 07:58:34 2022
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

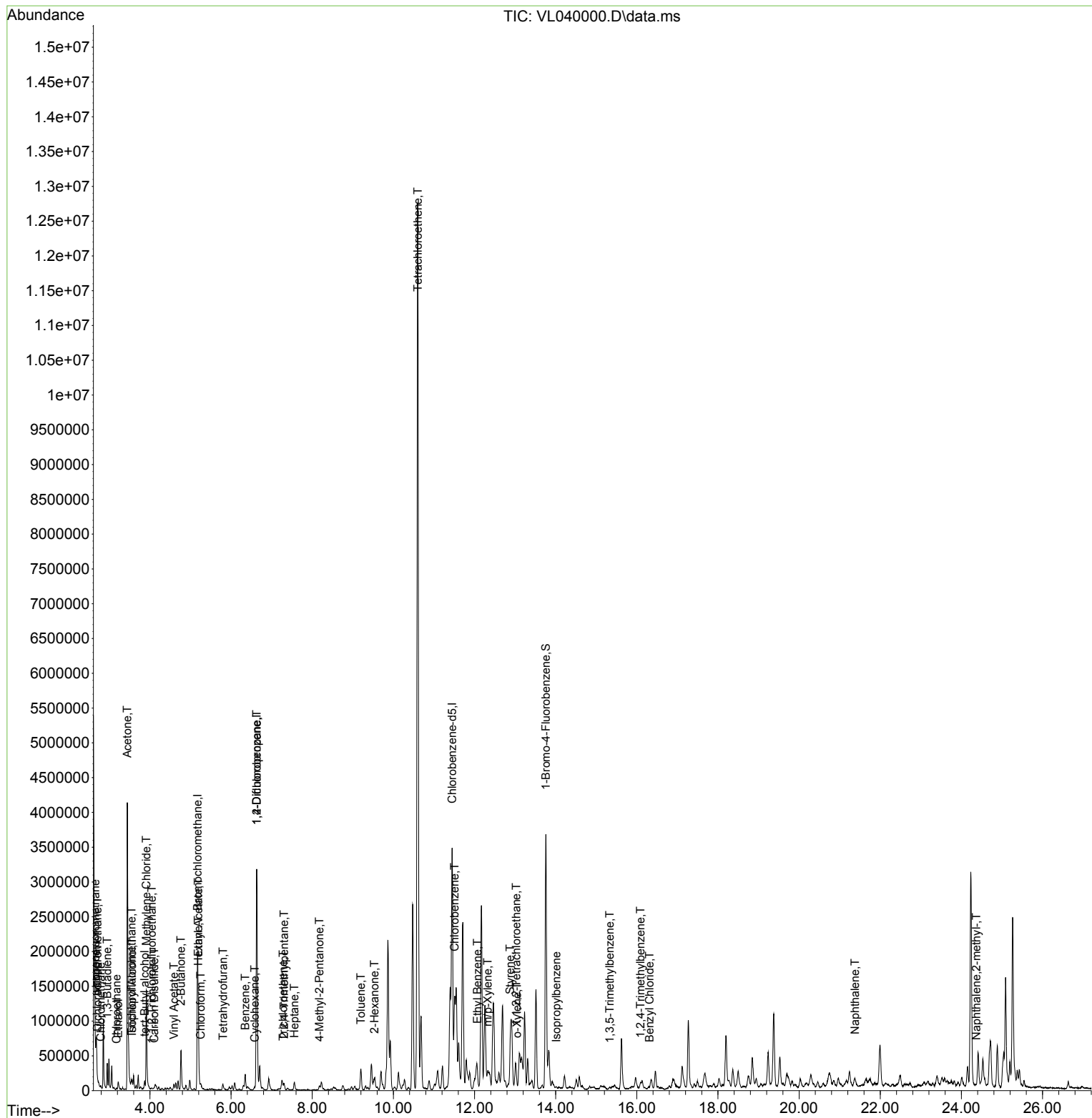
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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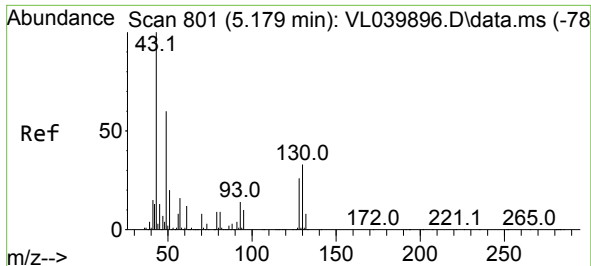
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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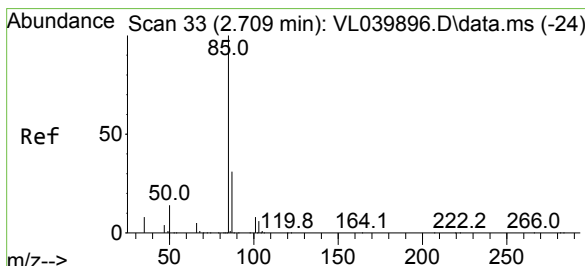
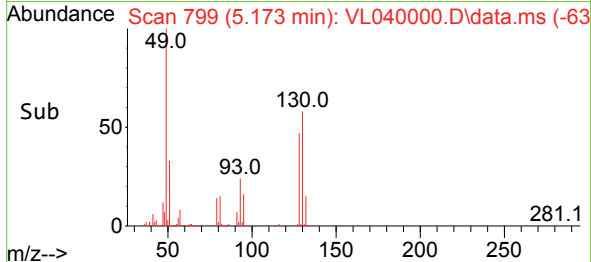
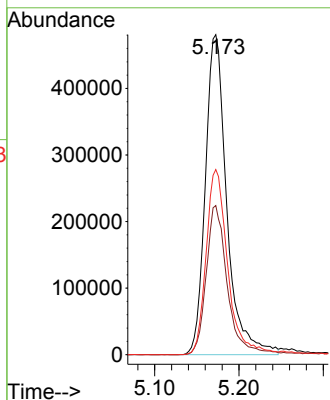
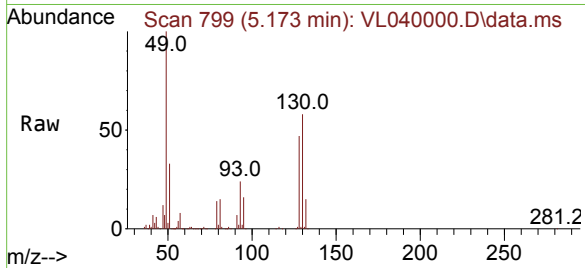




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. 0.017 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

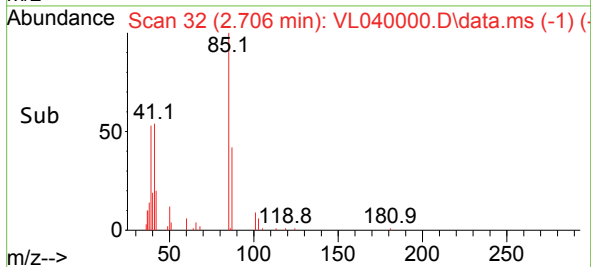
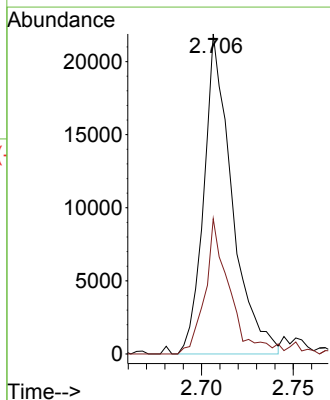
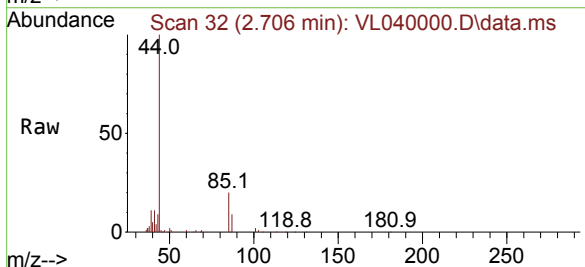
Instrument :
MSVOA_L
ClientSampleId :
SG-3

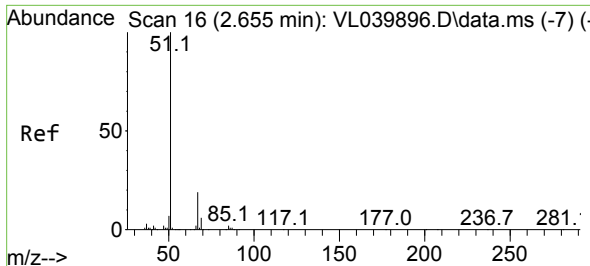
Tgt Ion: 49 Resp: 852624
Ion Ratio Lower Upper
49 100
128 46.5 22.1 66.3
130 60.1 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.191 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 85 Resp: 23319
Ion Ratio Lower Upper
85 100
87 42.2 25.0 37.4#

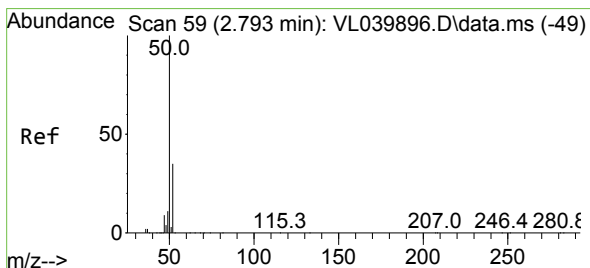
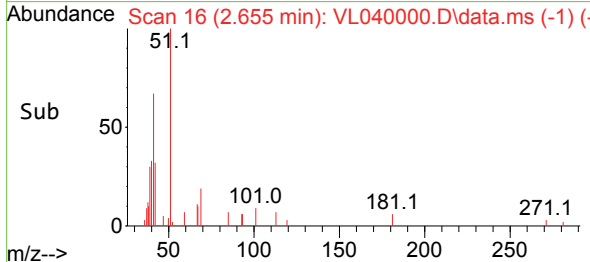
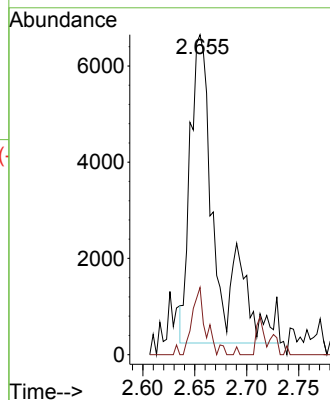
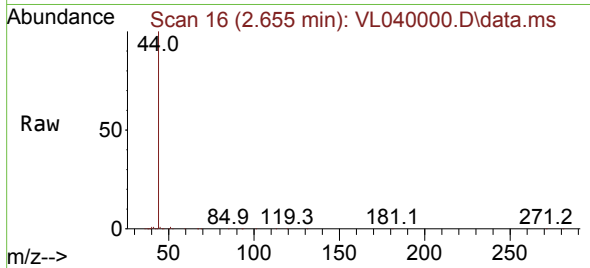




#3
Chlorodifluoromethane
Concen: 0.095 ppbv
RT: 2.655 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

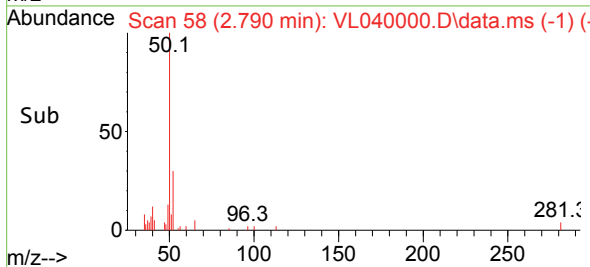
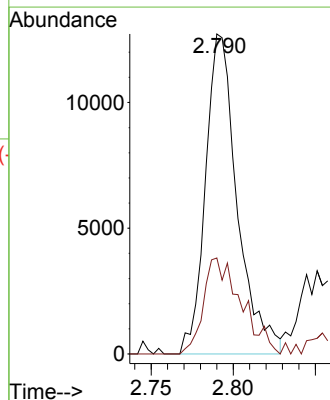
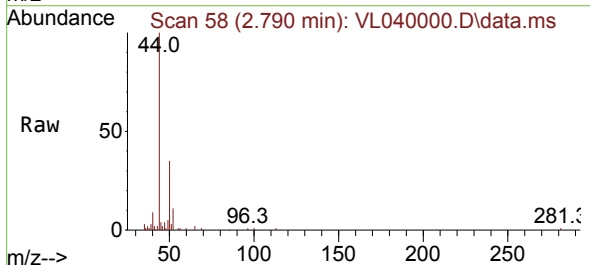
Instrument :
MSVOA_L
ClientSampleId :
SG-3

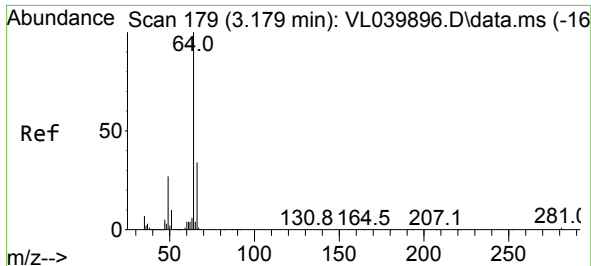
Tgt Ion: 51 Resp: 11221
Ion Ratio Lower Upper
51 100
67 11.3 14.2 21.4#



#4
Chloromethane
Concen: 0.228 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 50 Resp: 17135
Ion Ratio Lower Upper
50 100
52 31.0 27.8 41.8

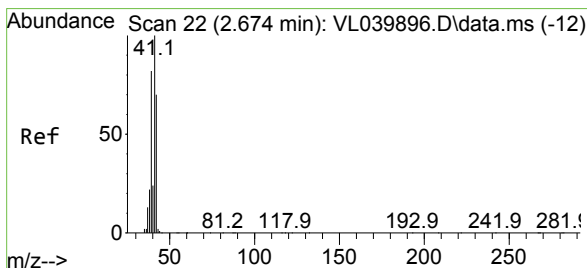
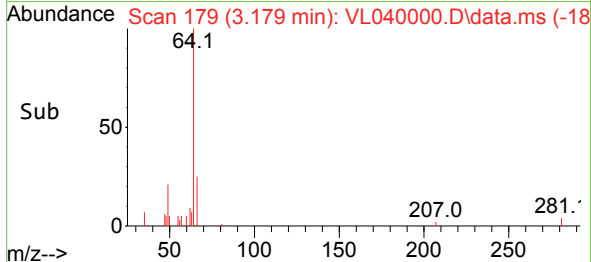
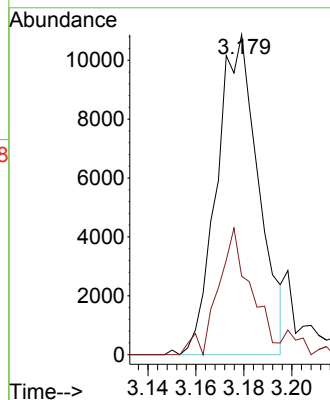
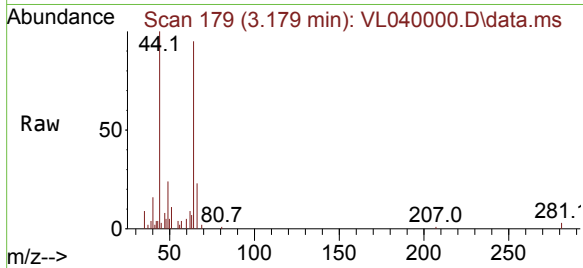




#7
Chloroethane
Concen: 0.566 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

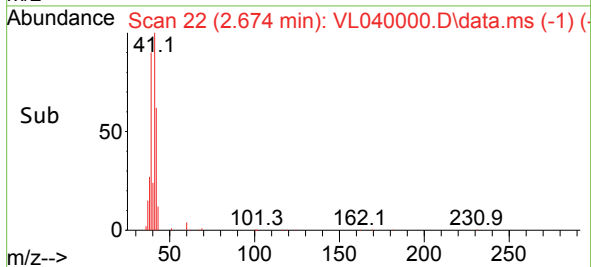
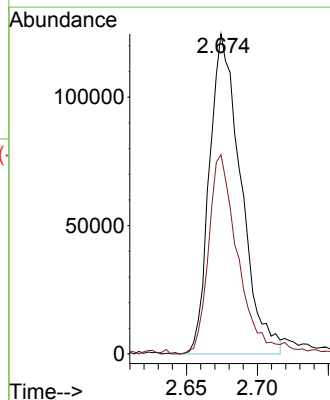
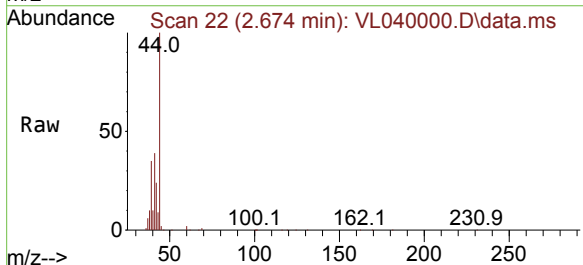
Instrument :
MSVOA_L
ClientSampleId :
SG-3

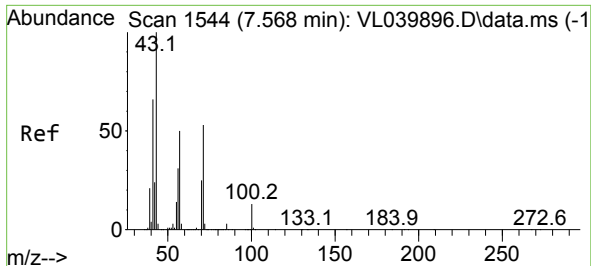
Tgt Ion: 64 Resp: 13151
Ion Ratio Lower Upper
64 100
66 24.5 27.3 40.9#



#9
Propene
Concen: 3.465 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.013 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 41 Resp: 192037
Ion Ratio Lower Upper
41 100
42 60.1 55.8 83.6

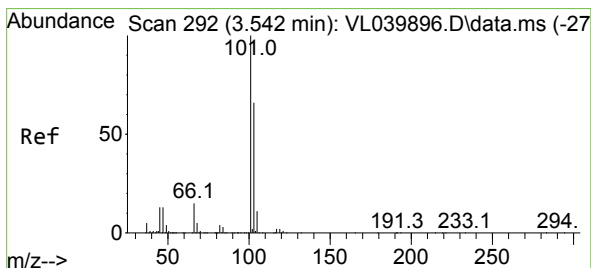
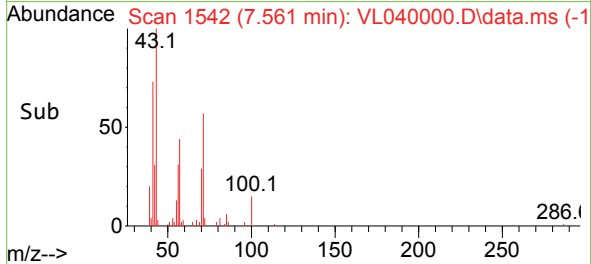
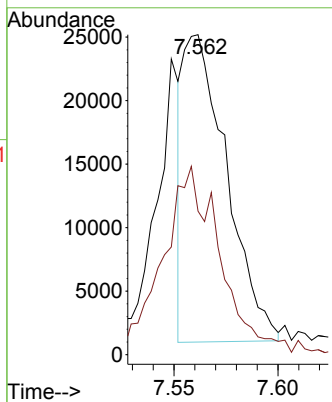
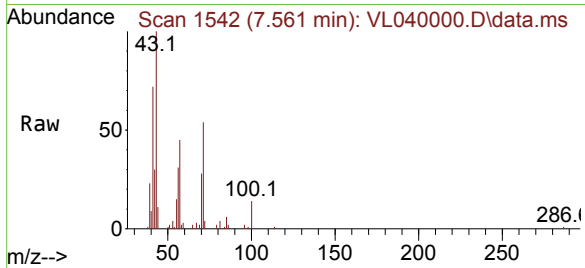




#10
 Heptane
 Concen: 0.262 ppbv
 RT: 7.561 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL040000.D
 Acq: 13 Dec 2022 6:49

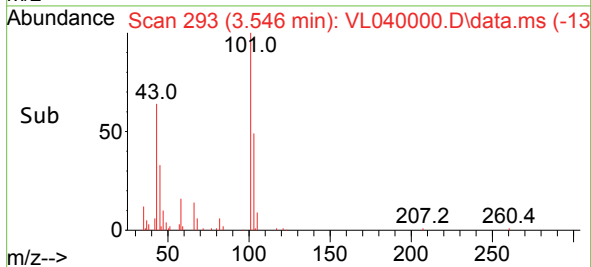
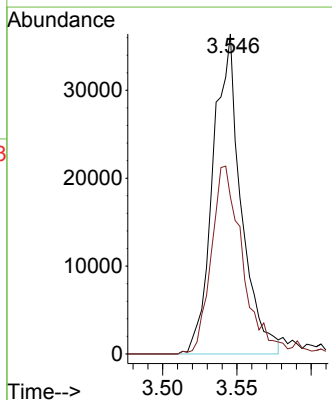
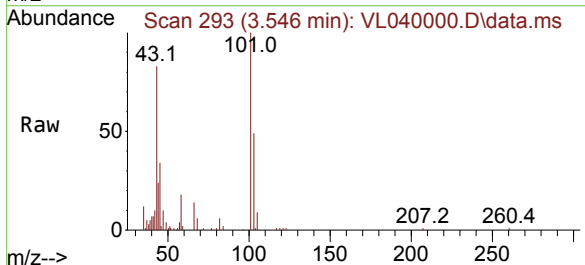
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3

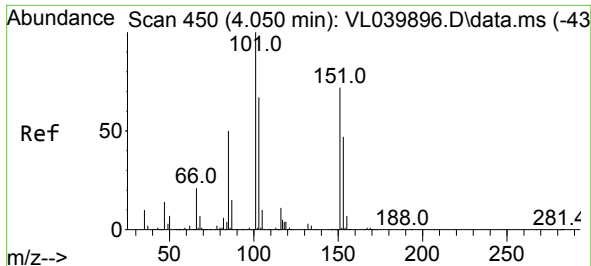
Tgt Ion: 43 Resp: 35090
 Ion Ratio Lower Upper
 43 100
 57 83.8 40.7 61.1#



#11
 Trichlorofluoromethane
 Concen: 0.321 ppbv
 RT: 3.546 min Scan# 293
 Delta R.T. 0.016 min
 Lab File: VL040000.D
 Acq: 13 Dec 2022 6:49

Tgt Ion: 101 Resp: 47859
 Ion Ratio Lower Upper
 101 100
 103 49.1 52.6 78.8#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.068 ppbv

RT: 4.047 min Scan# 449

Delta R.T. 0.016 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Instrument :

MSVOA_L

ClientSampleId :

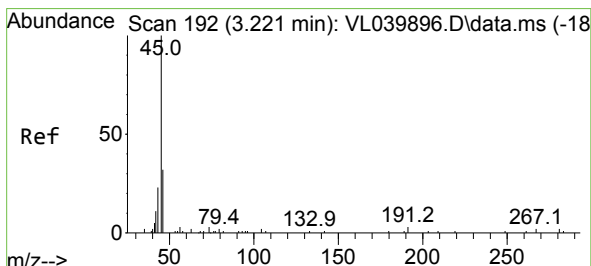
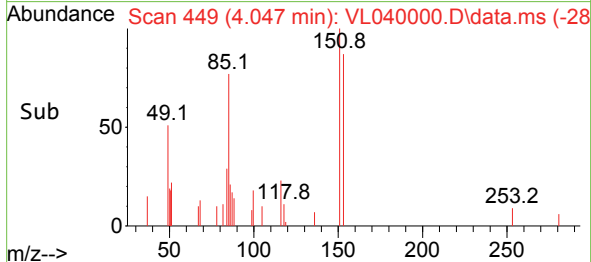
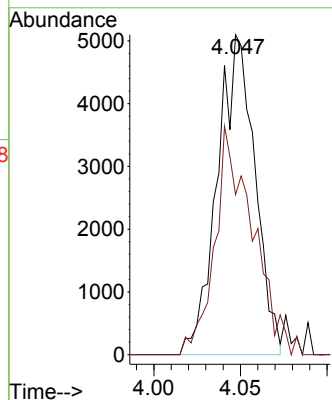
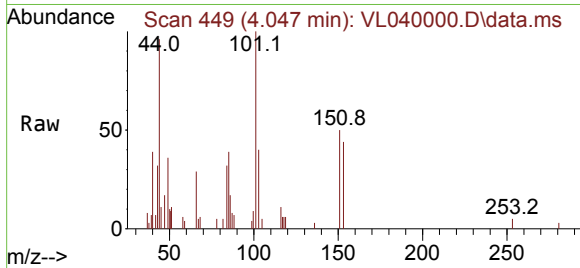
SG-3

Tgt Ion:101 Resp: 7688

Ion Ratio Lower Upper

101 100

151 72.1 59.6 89.4



#13

Ethanol

Concen: 27.087 ppbv

RT: 3.221 min Scan# 192

Delta R.T. 0.007 min

Lab File: VL040000.D

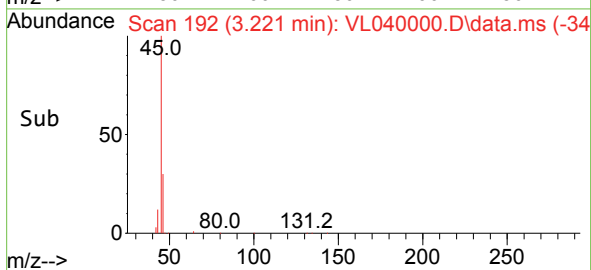
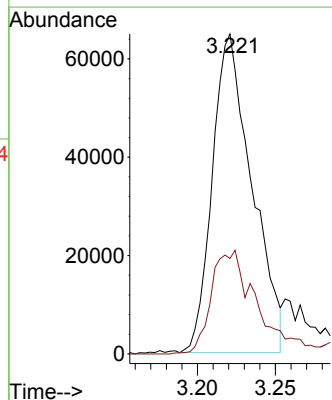
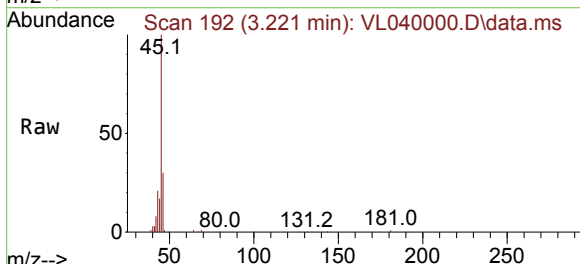
Acq: 13 Dec 2022 6:49

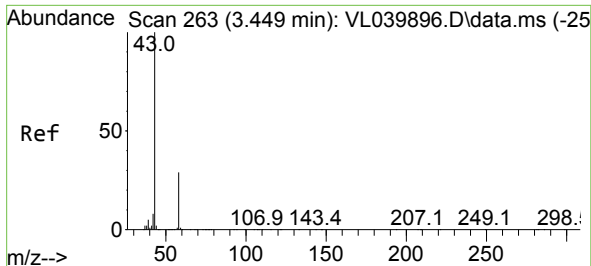
Tgt Ion: 45 Resp: 114614

Ion Ratio Lower Upper

45 100

46 39.7 14.6 58.2





#15

Acetone

Concen: 35.859 ppbv

RT: 3.443 min Scan# 2

Delta R.T. 0.010 min

Lab File: VL040000.D

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ClientSampleId :

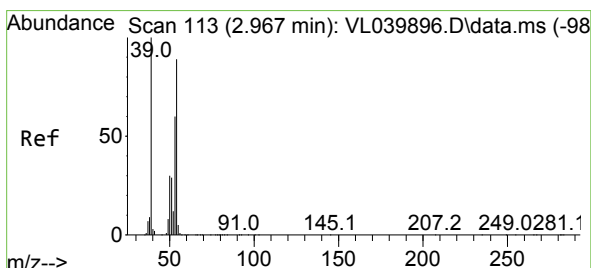
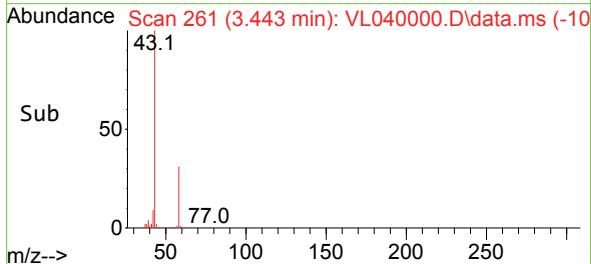
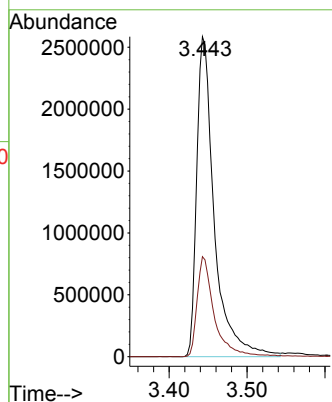
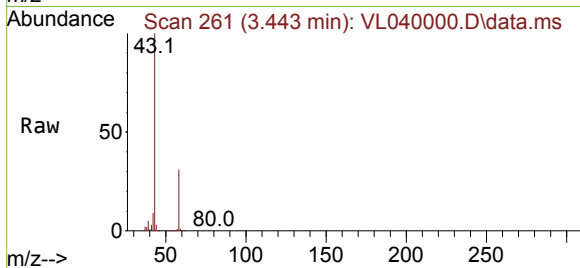
SG-3

Tgt Ion: 43 Resp: 4055292

Ion Ratio Lower Upper

43 100

58 31.1 22.9 34.3



#16

1,3-Butadiene

Concen: 1.623 ppbv

RT: 2.948 min Scan# 107

Delta R.T. -0.003 min

Lab File: VL040000.D

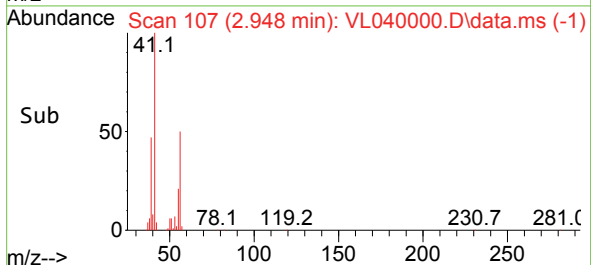
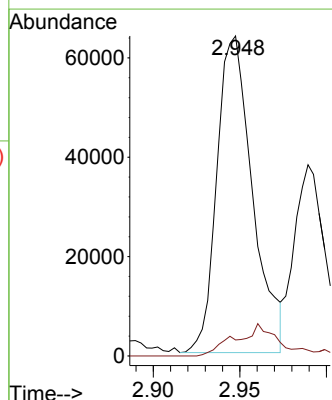
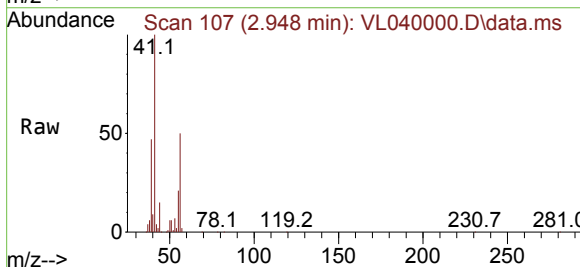
Acq: 13 Dec 2022 6:49

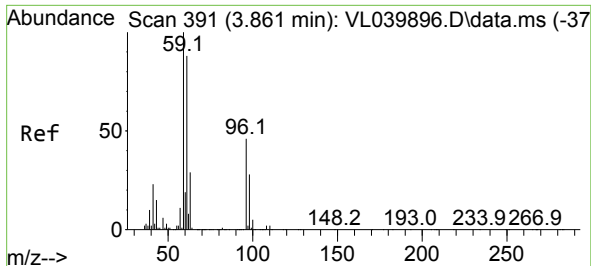
Tgt Ion: 39 Resp: 91452

Ion Ratio Lower Upper

39 100

54 12.9 66.6 99.8#

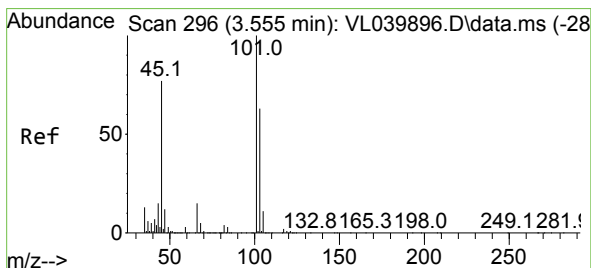
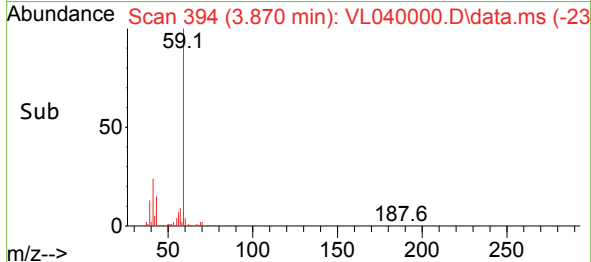
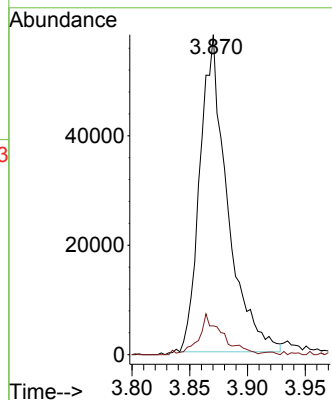
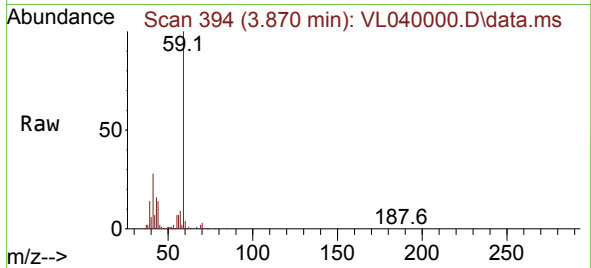




#17
tert-Butyl alcohol
Concen: 0.737 ppbv
RT: 3.870 min Scan# 391
Delta R.T. 0.026 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

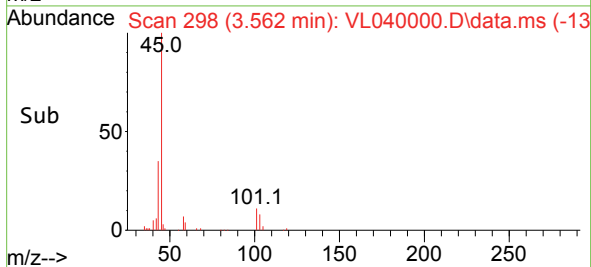
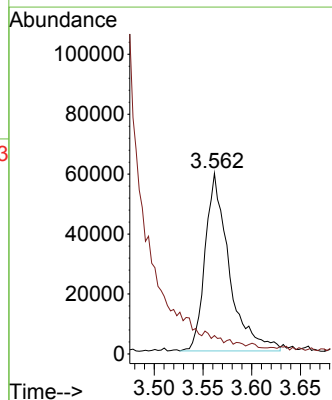
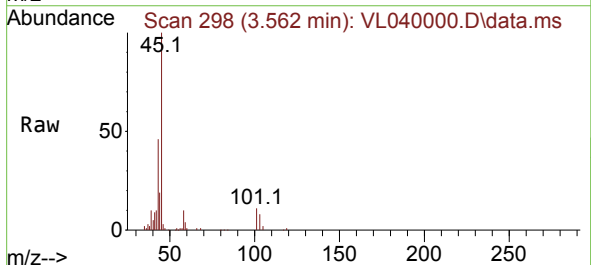
Instrument :
MSVOA_L
ClientSampleId :
SG-3

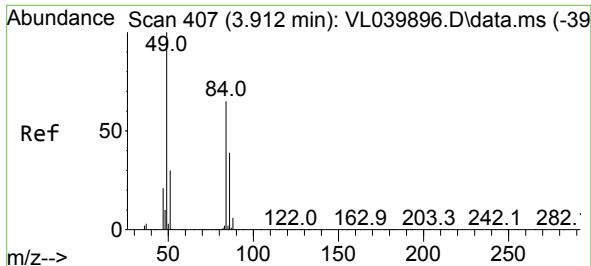
Tgt Ion: 59 Resp: 95879
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5



#19
Isopropyl Alcohol
Concen: 1.663 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 45 Resp: 101826
Ion Ratio Lower Upper
45 100
58 0.0 38.7 58.1#

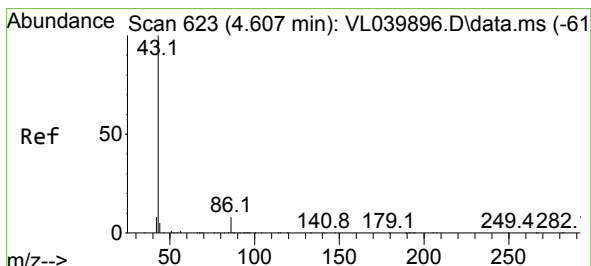
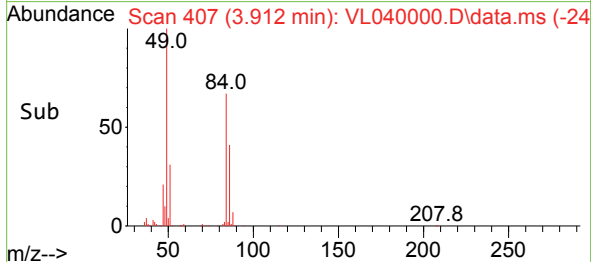
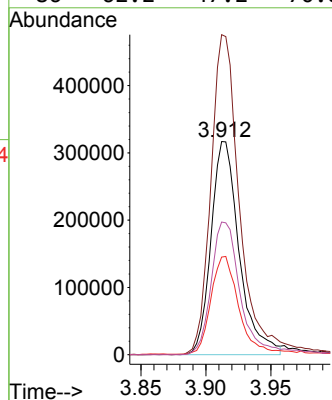
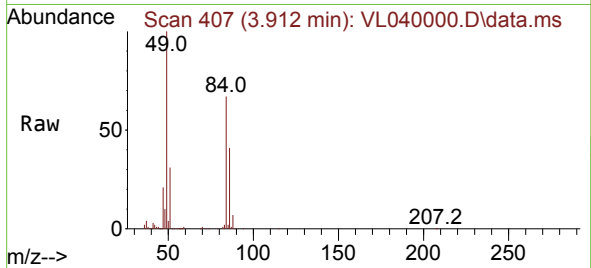




#20
Methylene Chloride
Concen: 8.712 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

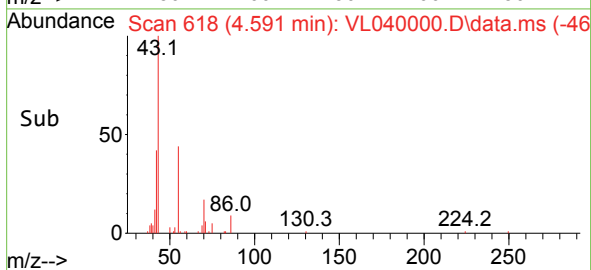
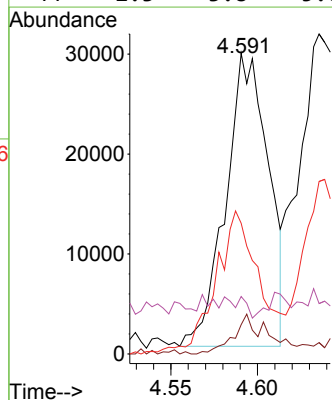
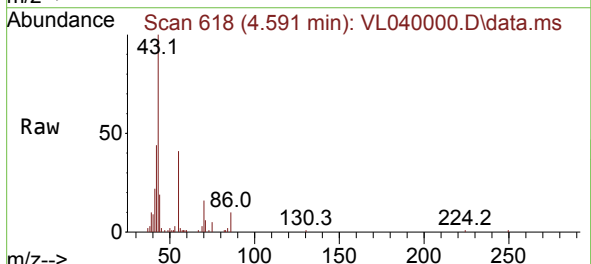
Instrument :
MSVOA_L
ClientSampleId :
SG-3

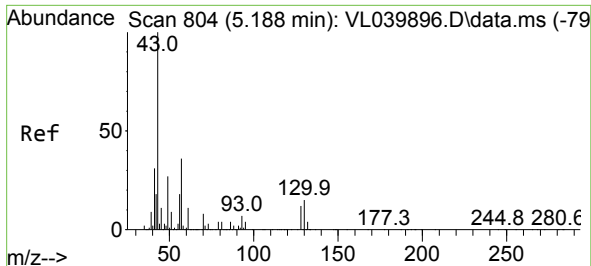
Tgt Ion: 84 Resp: 477344
Ion Ratio Lower Upper
84 100
49 150.0 122.2 183.4
51 45.6 36.3 54.5
86 62.2 47.2 70.8



#23
Vinyl Acetate
Concen: 1.076 ppbv
RT: 4.591 min Scan# 618
Delta R.T. -0.003 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 43 Resp: 50000
Ion Ratio Lower Upper
43 100
86 10.0 5.0 7.4#
42 42.0 7.6 11.4#
44 2.3 3.8 5.6#

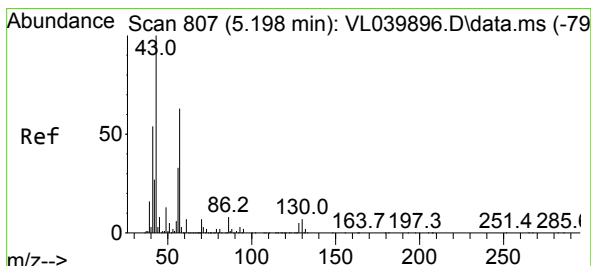
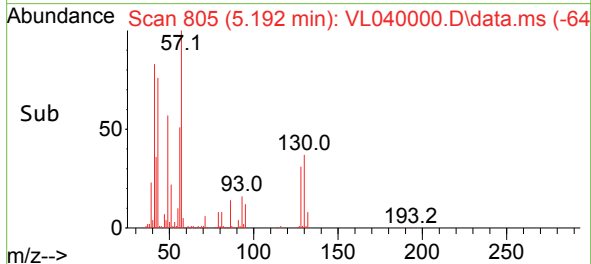
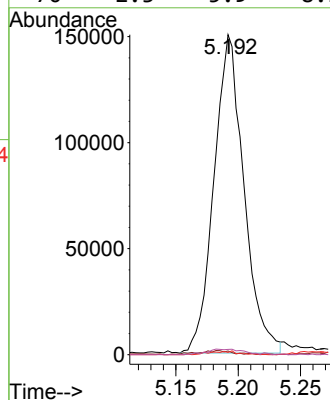
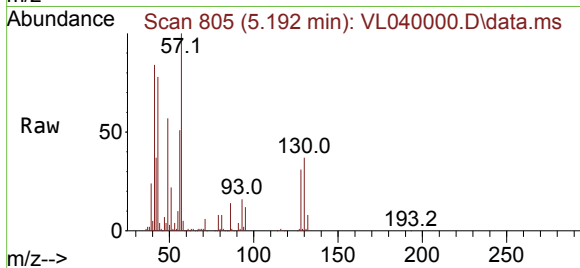




#25
Ethyl Acetate
Concen: 1.207 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.023 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

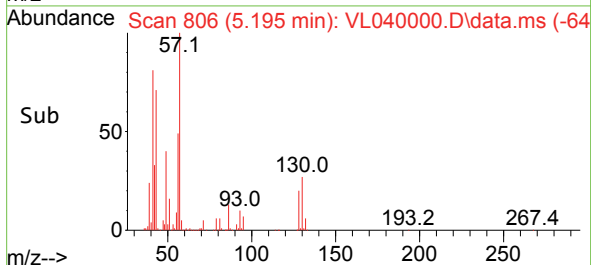
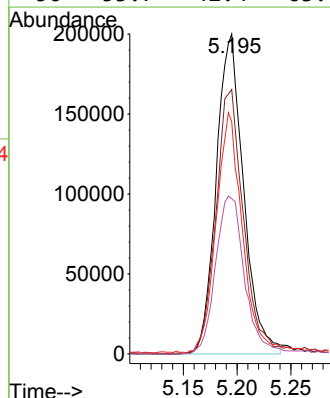
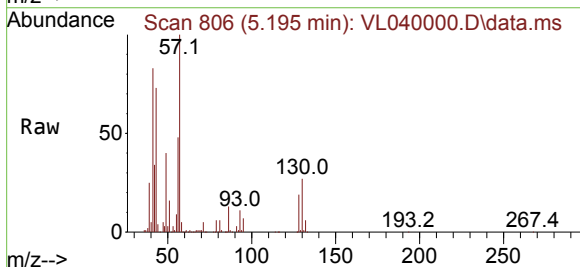
Instrument :
MSVOA_L
ClientSampleId :
SG-3

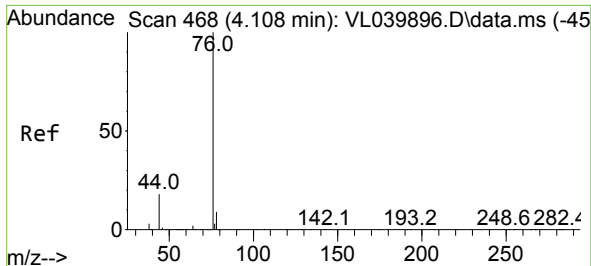
Tgt Ion:	43	Resp:	250674
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.4	12.6#
61	1.1	8.5	12.7#
70	2.3	5.9	8.9#



#26
Hexane
Concen: 3.893 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion:	57	Resp:	353117
Ion	Ratio	Lower	Upper
57	100		
41	85.3	72.3	108.5
43	73.0	188.7	283.1#
56	53.7	42.4	63.6

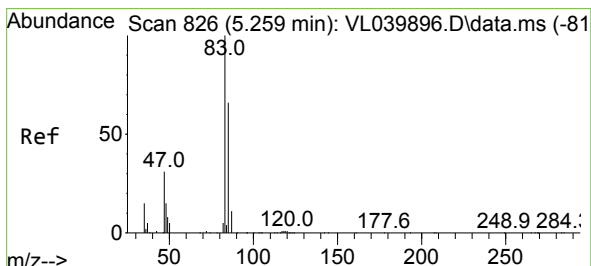
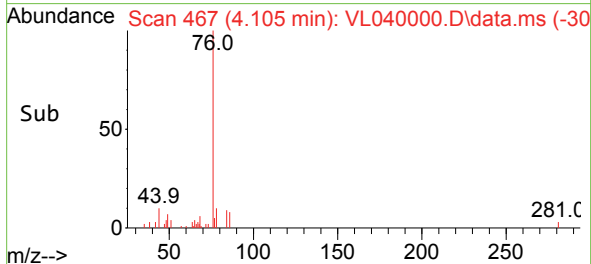
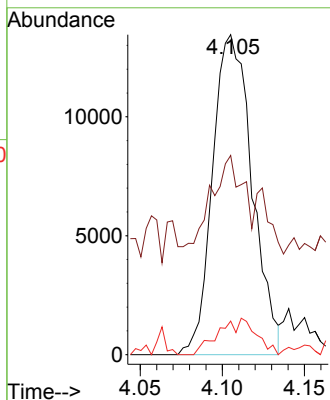
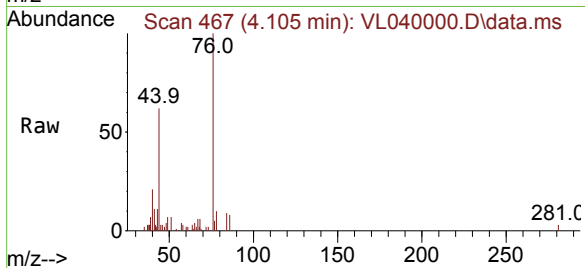




#27
Carbon Disulfide
Concen: 0.196 ppbv
RT: 4.105 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

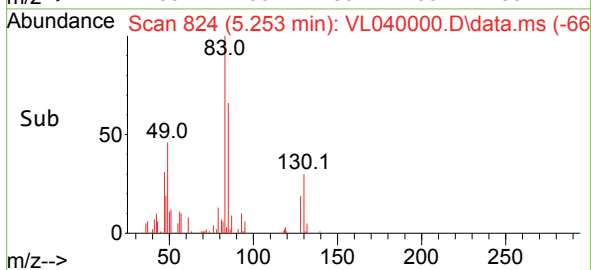
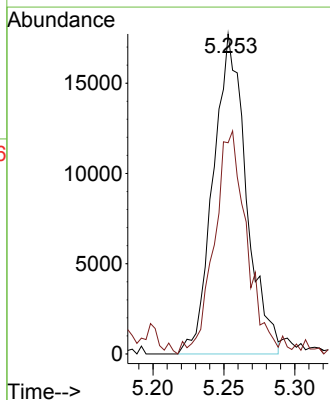
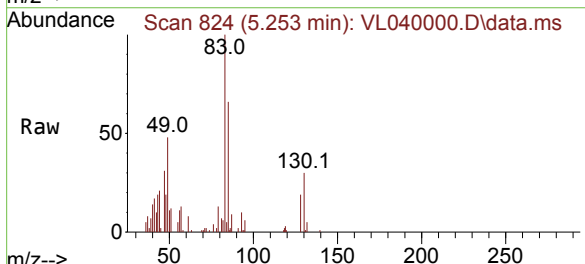
Instrument :
MSVOA_L
ClientSampleId :
SG-3

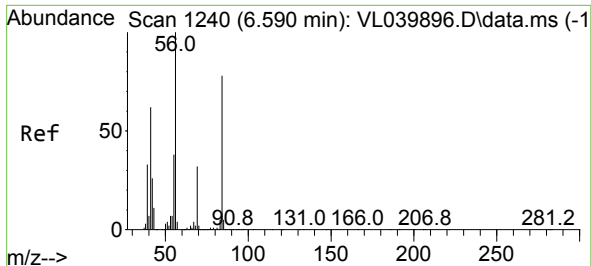
Tgt Ion: 76 Resp: 22502
Ion Ratio Lower Upper
76 100
44 30.8 14.7 22.1#
78 11.0 7.8 11.8



#29
Chloroform
Concen: 0.239 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 83 Resp: 28787
Ion Ratio Lower Upper
83 100
85 66.0 52.4 78.6

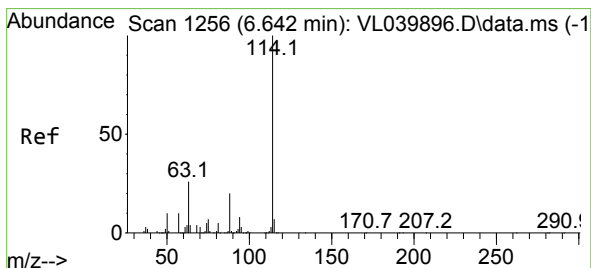
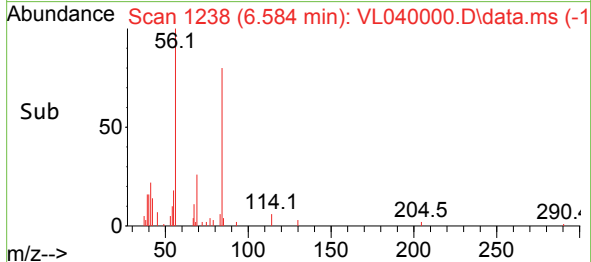
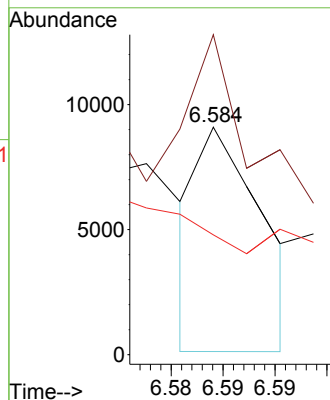
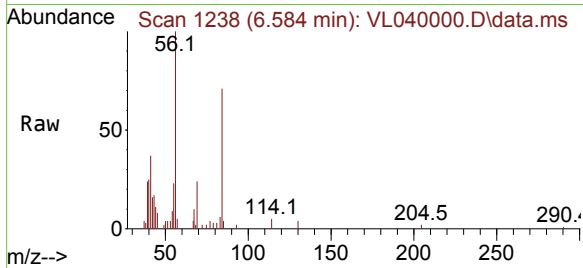




#30
Cyclohexane
Concen: 0.043 ppbv
RT: 6.584 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

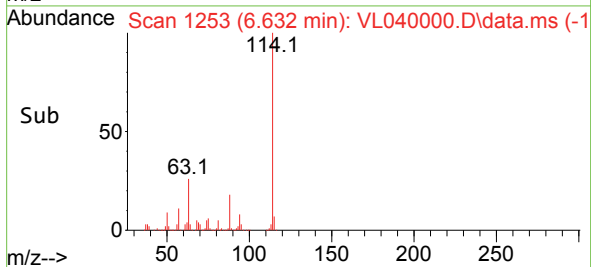
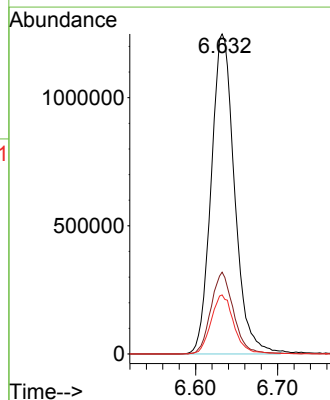
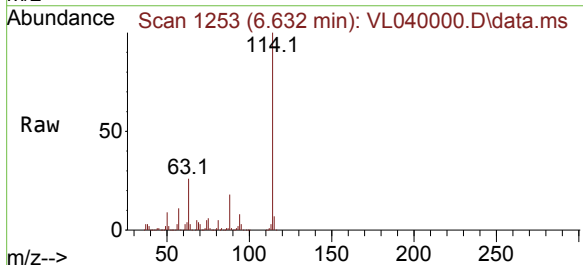
Instrument :
MSVOA_L
ClientSampleId :
SG-3

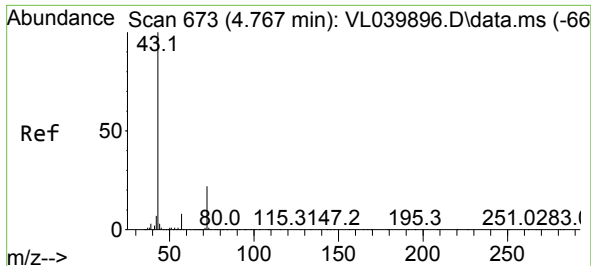
Tgt Ion: 84 Resp: 3838
Ion Ratio Lower Upper
84 100
56 585.6 112.5 168.7#
41 0.0 67.8 101.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.013 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 114 Resp: 2476204
Ion Ratio Lower Upper
114 100
63 25.0 21.4 32.0
88 18.2 15.3 22.9

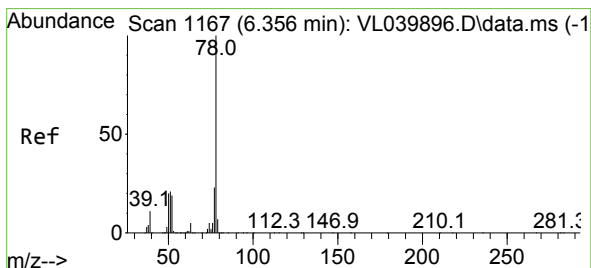
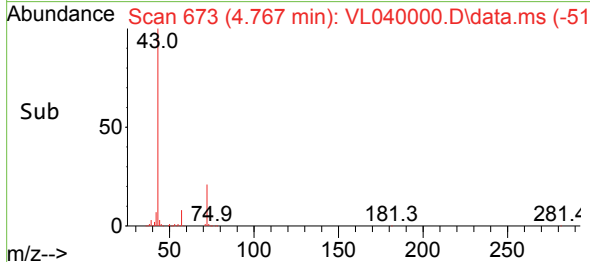
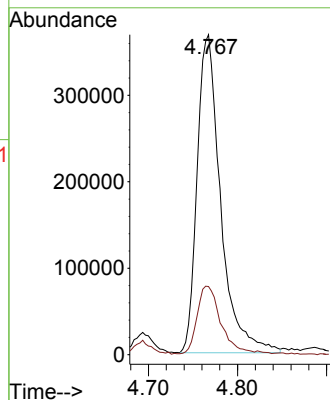
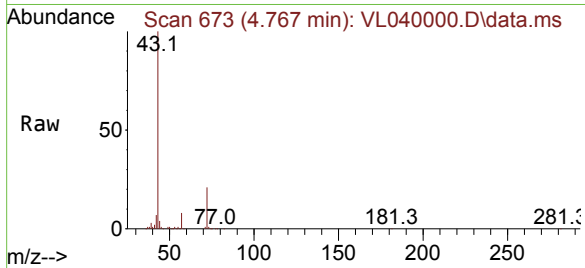




#34
2-Butanone
Concen: 5.696 ppbv
RT: 4.767 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

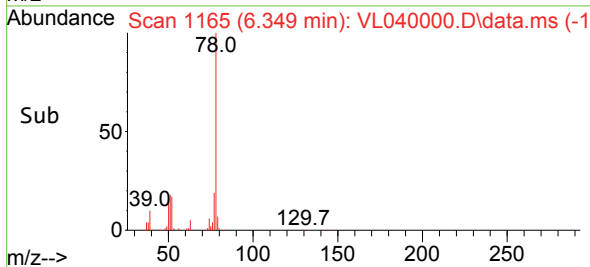
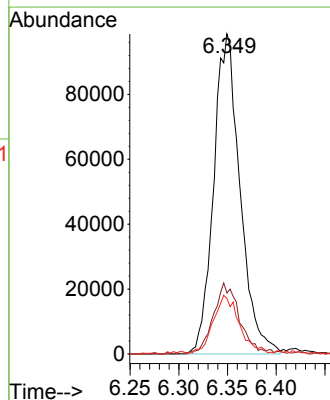
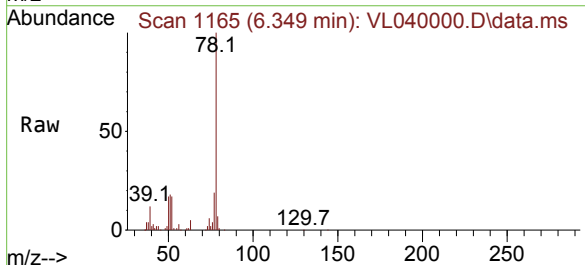
Instrument :
MSVOA_L
ClientSampleId :
SG-3

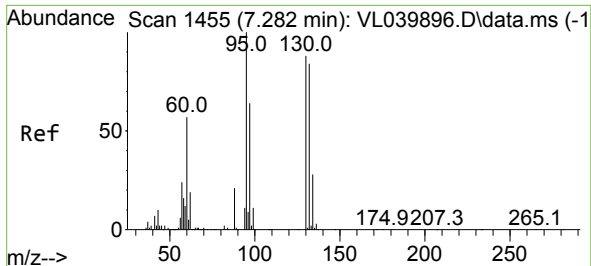
Tgt Ion: 43 Resp: 674855
Ion Ratio Lower Upper
43 100
72 22.7 17.4 26.2



#36
Benzene
Concen: 0.884 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 78 Resp: 185962
Ion Ratio Lower Upper
78 100
77 18.9 18.2 27.2
50 16.6 15.8 23.8

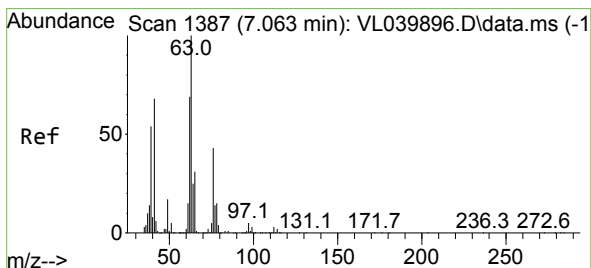
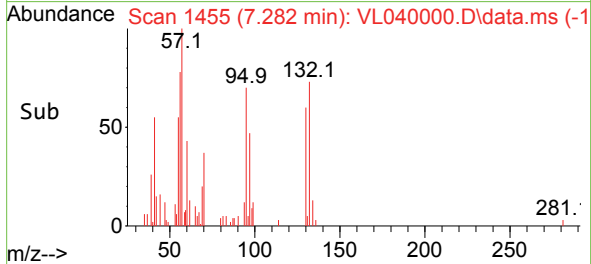
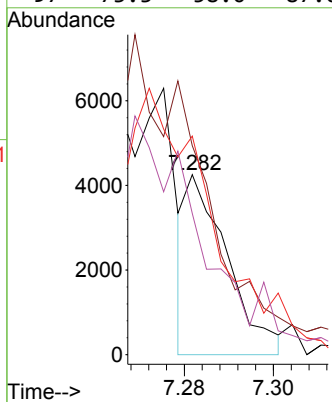
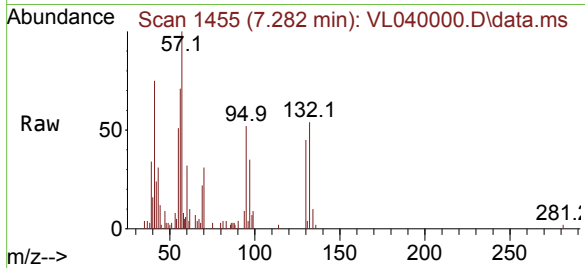




#38
 Trichloroethene
 Concen: 0.023 ppbv
 RT: 7.282 min Scan# 1455
 Delta R.T. 0.026 min
 Lab File: VL040000.D
 Acq: 13 Dec 2022 6:49

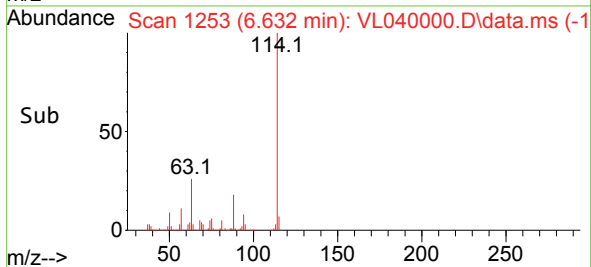
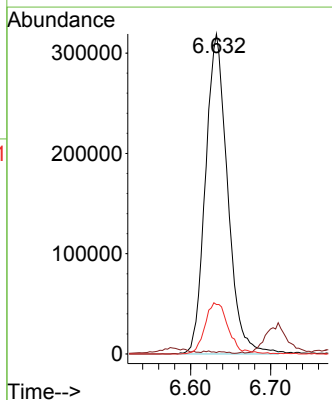
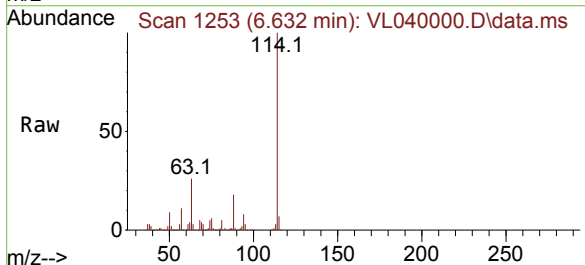
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3

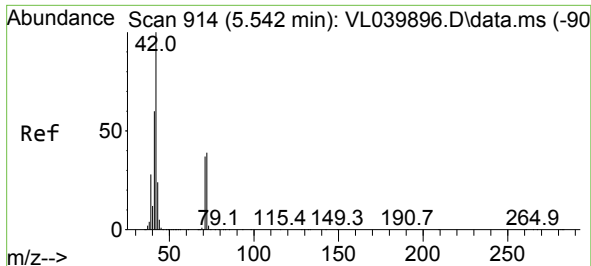
Tgt Ion:	130	Resp:	2727
Ion	Ratio	Lower	Upper
130	100		
95	107.0	90.6	135.8
132	97.9	76.2	114.4
97	73.3	58.0	87.0



#39
 1,2-Dichloropropane
 Concen: 7.474 ppbv
 RT: 6.632 min Scan# 1253
 Delta R.T. -0.402 min
 Lab File: VL040000.D
 Acq: 13 Dec 2022 6:49

Tgt Ion:	63	Resp:	612902
Ion	Ratio	Lower	Upper
63	100		
41	0.0	54.7	82.1#
62	15.4	55.0	82.6#





#41

Tetrahydrofuran

Concen: 0.050 ppbv

RT: 5.800 min Scan# 914

Delta R.T. 0.280 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Instrument :

MSVOA_L

ClientSampleId :

SG-3

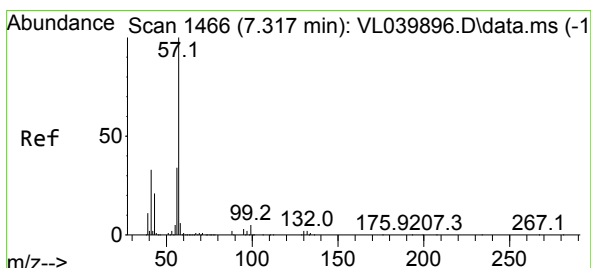
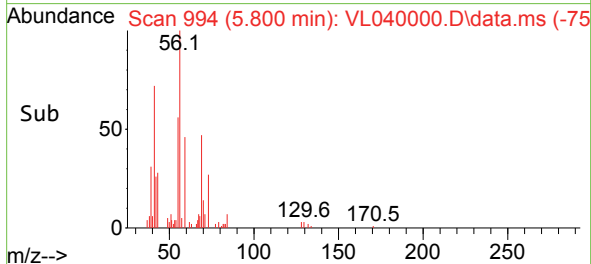
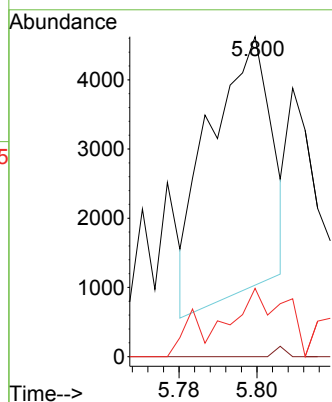
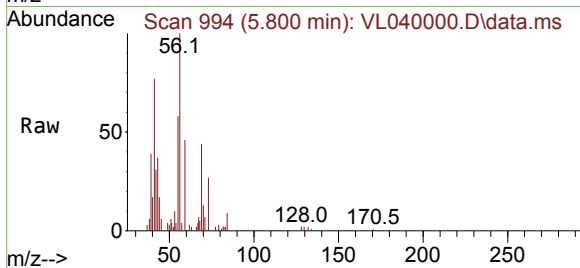
Tgt Ion: 42 Resp: 4064

Ion Ratio Lower Upper

42 100

72 4.9 31.6 47.4#

71 34.0 31.2 46.8



#44

2,2,4-Trimethylpentane

Concen: 0.119 ppbv

RT: 7.308 min Scan# 1463

Delta R.T. 0.016 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

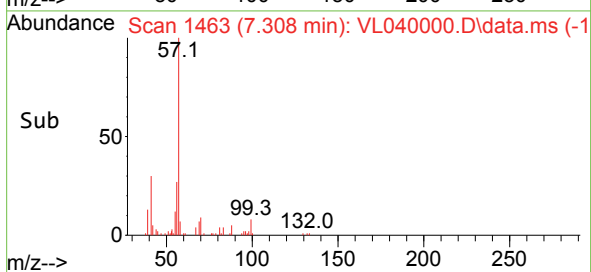
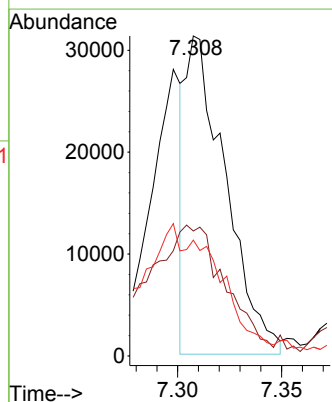
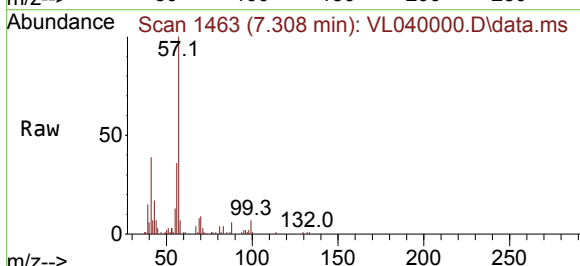
Tgt Ion: 57 Resp: 41792

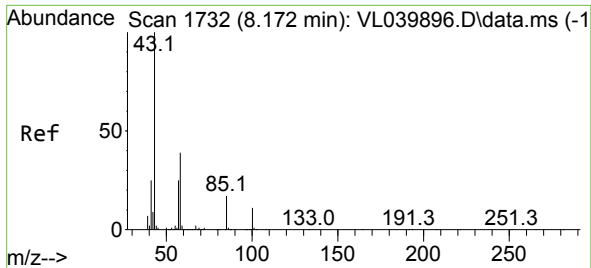
Ion Ratio Lower Upper

57 100

41 67.7 26.2 39.2#

56 0.0 25.5 38.3#

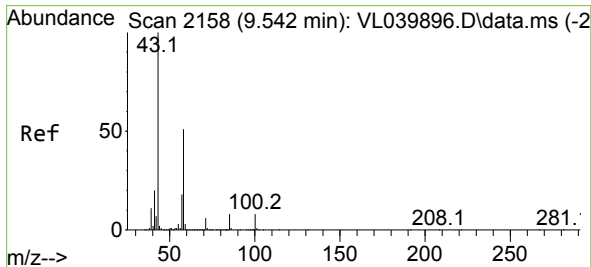
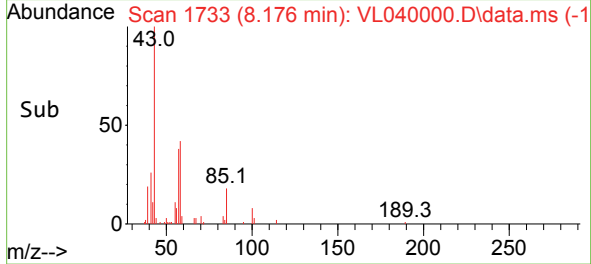
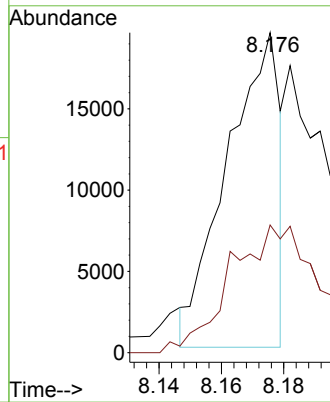
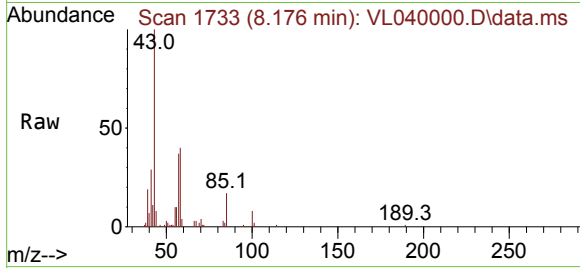




#50
4-Methyl-2-Pentanone
Concen: 0.107 ppbv
RT: 8.176 min Scan# 1733
Delta R.T. 0.029 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

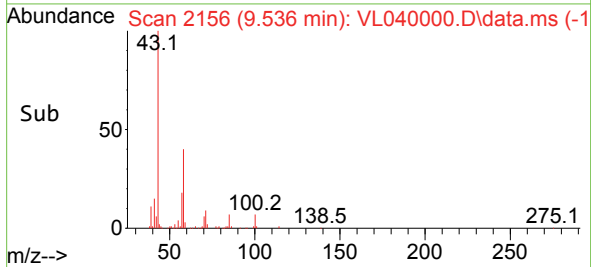
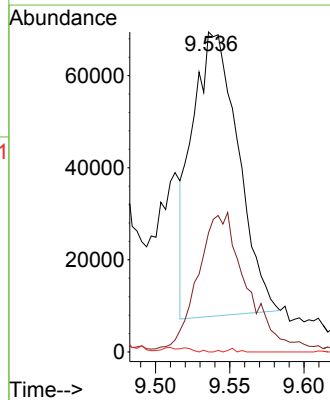
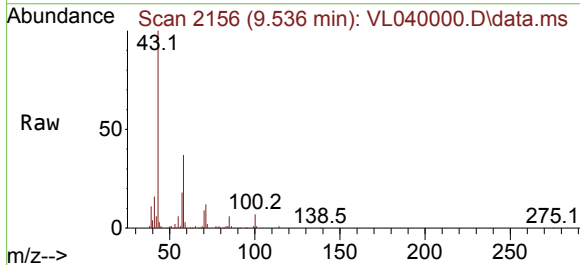
Instrument :
MSVOA_L
ClientSampleId :
SG-3

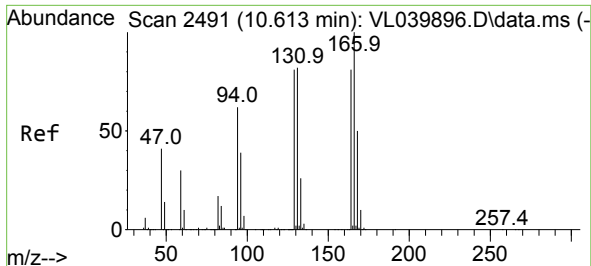
Tgt Ion: 43 Resp: 22703
Ion Ratio Lower Upper
43 100
58 76.9 29.8 44.6#



#51
2-Hexanone
Concen: 0.802 ppbv
RT: 9.536 min Scan# 2156
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 43 Resp: 132128
Ion Ratio Lower Upper
43 100
58 50.5 40.2 60.4
98 0.0 0.1 0.1#

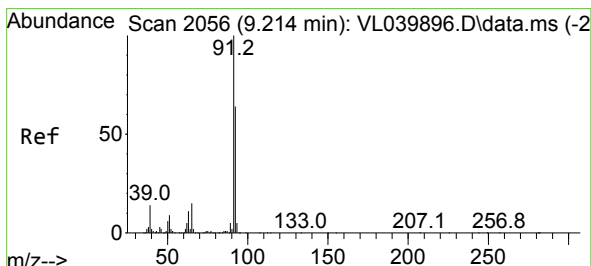
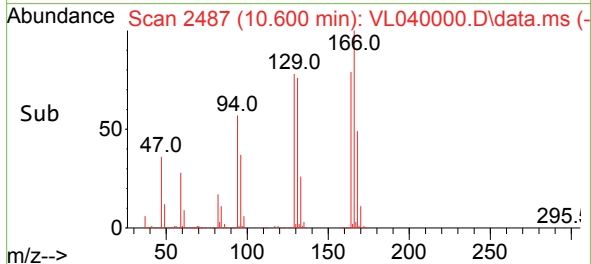
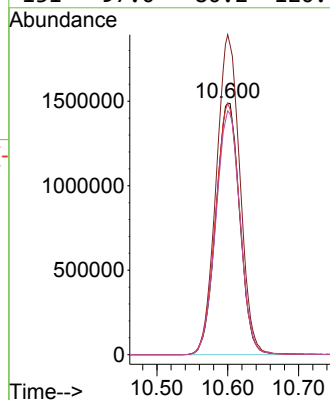
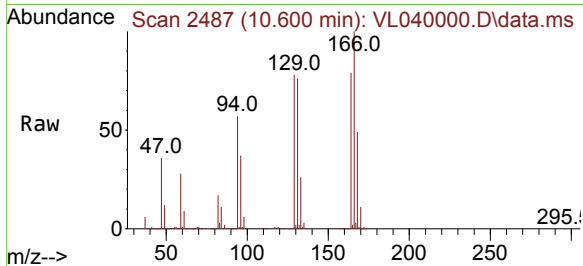




#52
Tetrachloroethene
Concen: 44.277 ppbv
RT: 10.600 min Scan# 2491
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

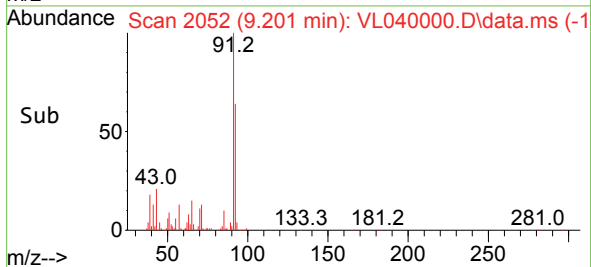
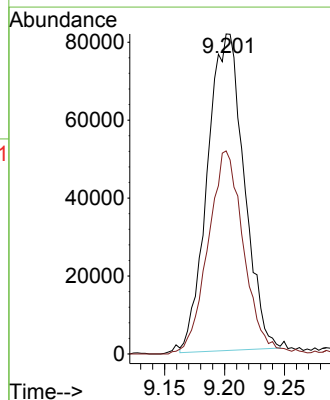
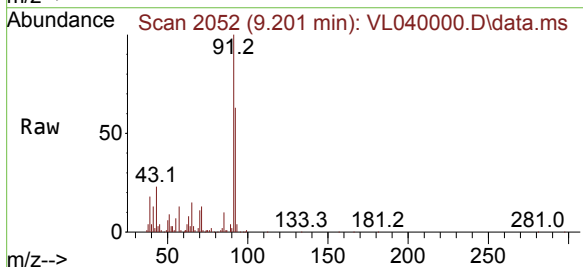
Instrument :
MSVOA_L
ClientSampleId :
SG-3

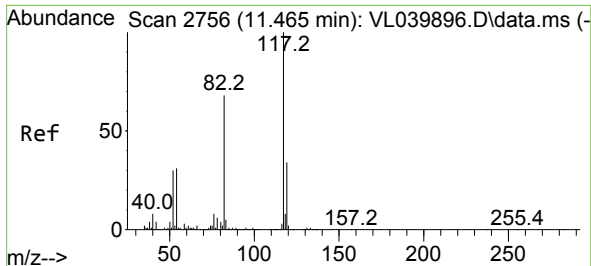
Tgt Ion:164 Resp: 3486301
Ion Ratio Lower Upper
164 100
166 127.2 98.3 147.5
129 99.9 79.7 119.5
131 97.0 80.2 120.4



#53
Toluene
Concen: 0.719 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 91 Resp: 172340
Ion Ratio Lower Upper
91 100
92 63.2 49.8 74.6

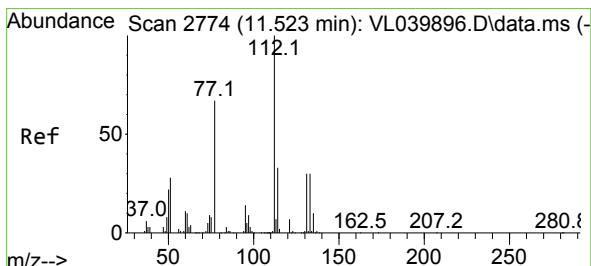
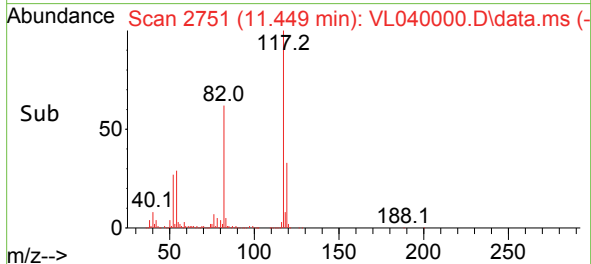
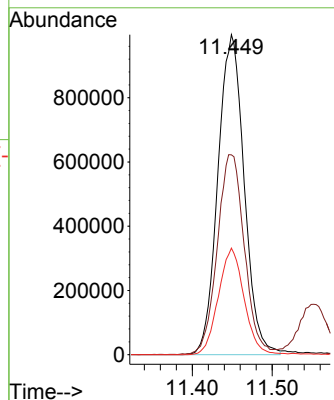
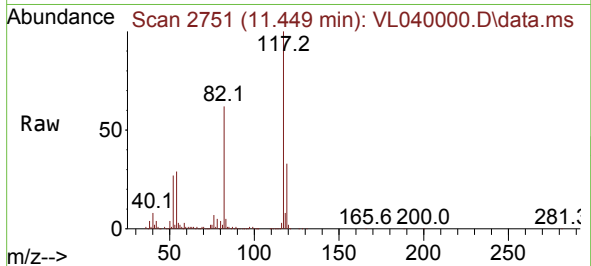




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

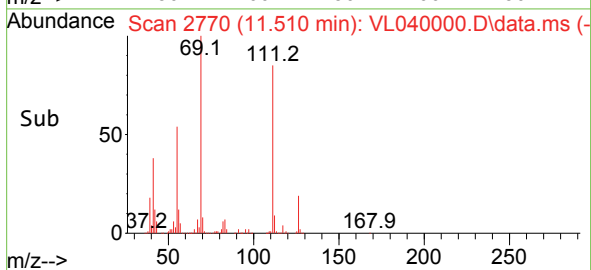
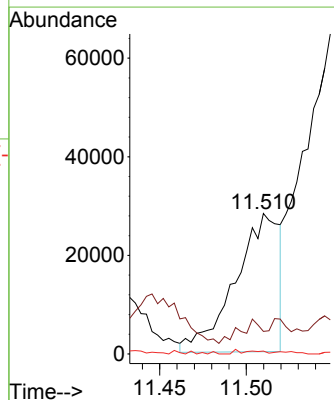
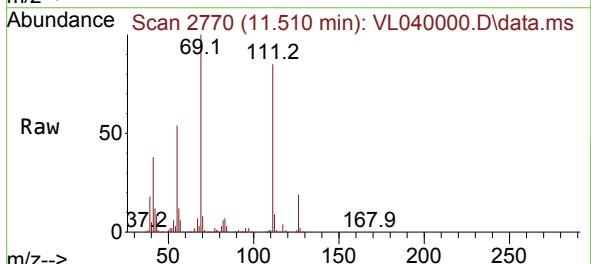
Instrument :
MSVOA_L
ClientSampleId :
SG-3

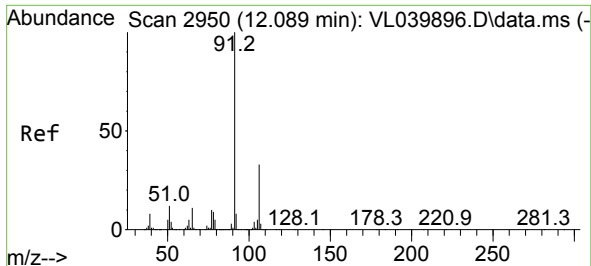
Tgt Ion:117 Resp: 2271040
Ion Ratio Lower Upper
117 100
82 64.5 52.3 78.5
119 32.8 25.7 38.5



#57
Chlorobenzene
Concen: 0.286 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion:112 Resp: 49691
Ion Ratio Lower Upper
112 100
77 0.0 54.6 81.8#
114 1.2 30.1 36.7#

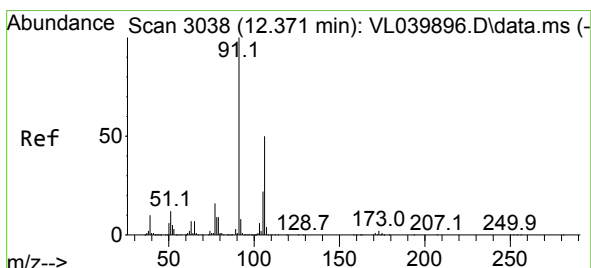
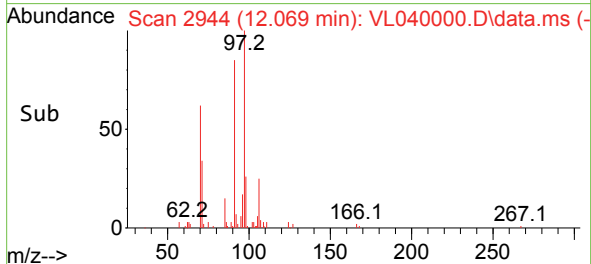
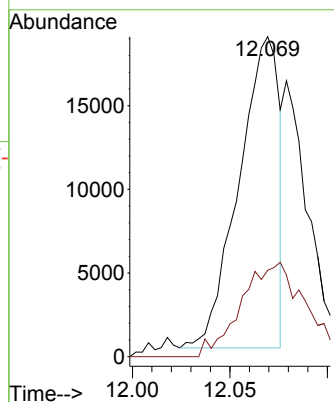
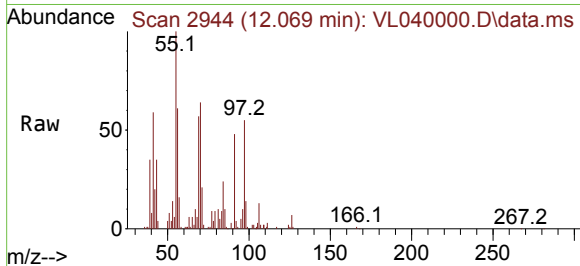




#58
Ethyl Benzene
Concen: 0.087 ppbv
RT: 12.069 min Scan# 2950
Delta R.T. 0.013 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

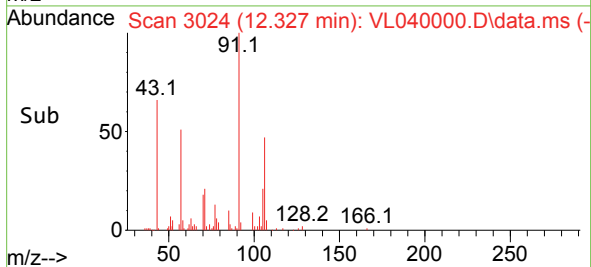
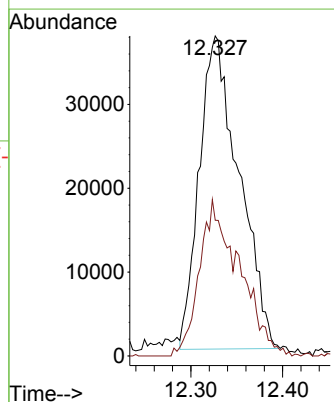
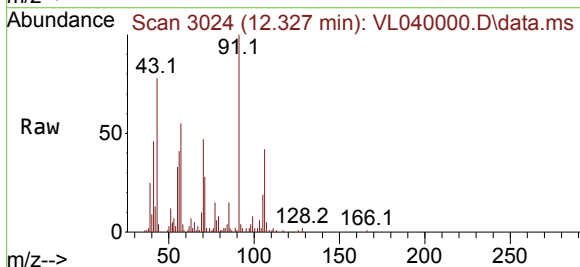
Instrument :
MSVOA_L
ClientSampleId :
SG-3

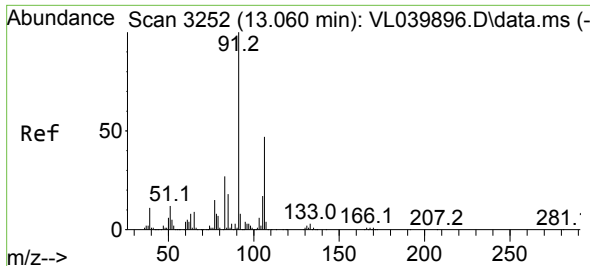
Tgt Ion: 91 Resp: 26704
Ion Ratio Lower Upper
91 100
106 27.8 26.1 39.1



#59
m/p-Xylene
Concen: 0.437 ppbv
RT: 12.327 min Scan# 3024
Delta R.T. -0.013 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 91 Resp: 112655
Ion Ratio Lower Upper
91 100
106 50.3 37.0 55.6

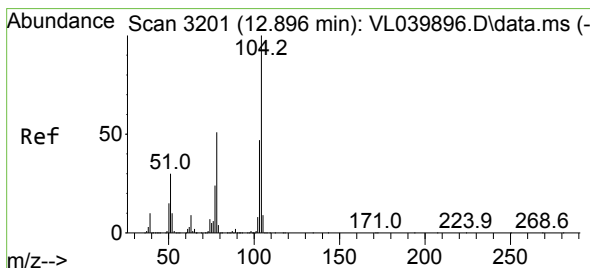
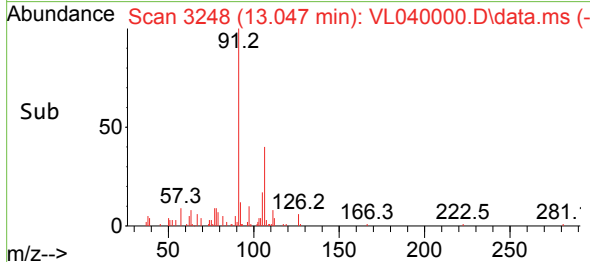
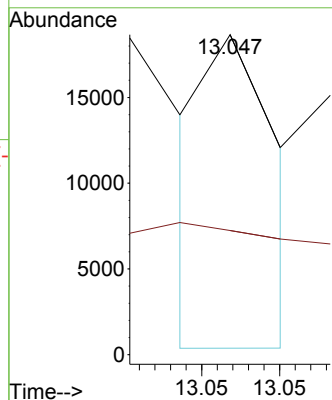
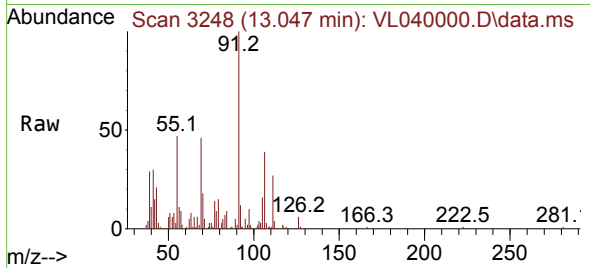




#60
o-Xylene
Concen: 0.024 ppbv
RT: 13.047 min Scan# 3196
Delta R.T. 0.019 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

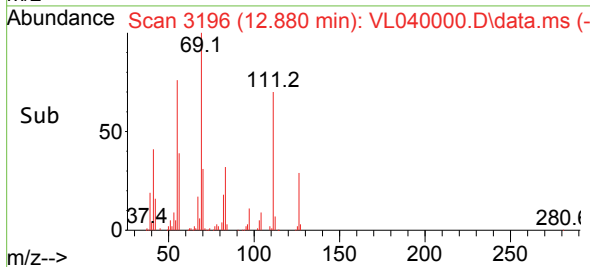
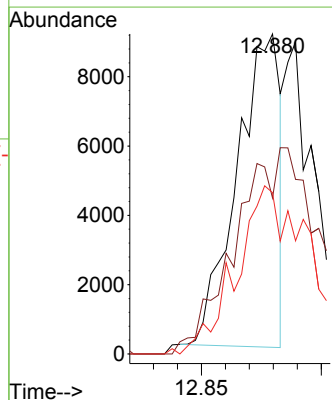
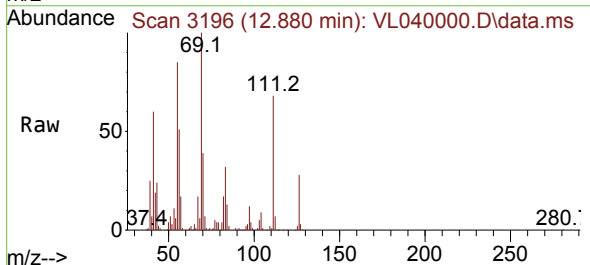
Instrument :
MSVOA_L
ClientSampleId :
SG-3

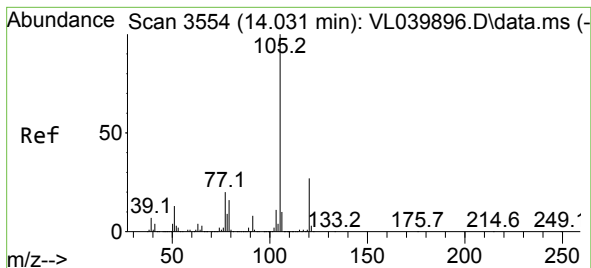
Tgt Ion: 91 Resp: 5788
Ion Ratio Lower Upper
91 100
106 0.0 23.2 69.6#



#61
Styrene
Concen: 0.077 ppbv
RT: 12.880 min Scan# 3196
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 104 Resp: 11289
Ion Ratio Lower Upper
104 100
78 142.5 41.8 62.8#
103 90.7 37.2 55.8#





#62

Isopropylbenzene

Concen: 0.048 ppbv

RT: 14.018 min Scan# 31

Delta R.T. 0.023 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Instrument :

MSVOA_L

ClientSampleId :

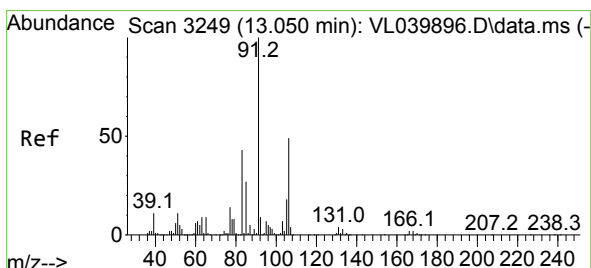
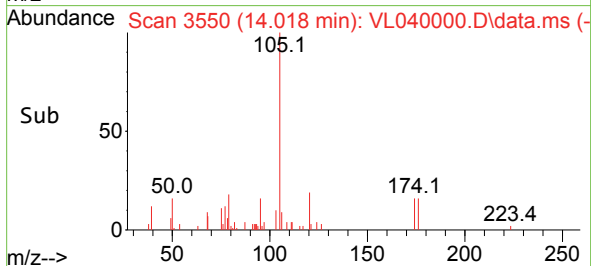
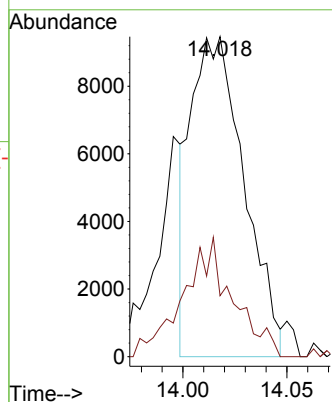
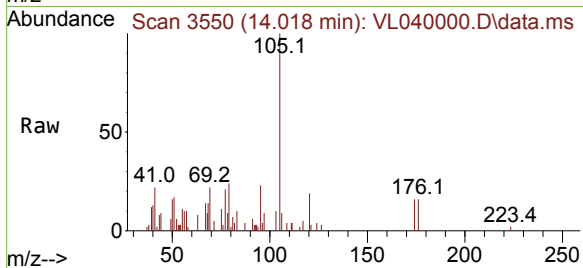
SG-3

Tgt Ion:105 Resp: 16867

Ion Ratio Lower Upper

105 100

120 35.1 21.4 32.2#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.021 ppbv

RT: 13.028 min Scan# 3242

Delta R.T. 0.016 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

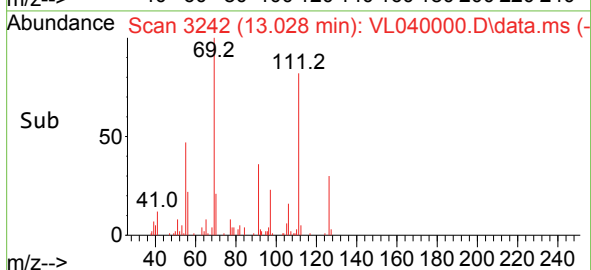
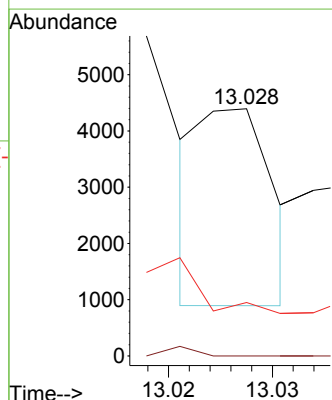
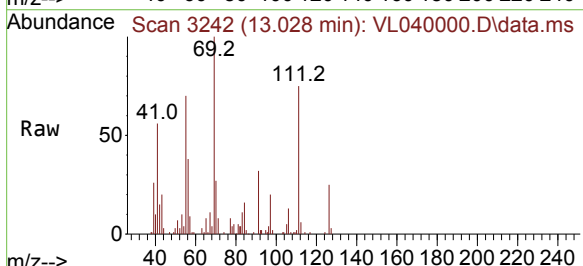
Tgt Ion: 83 Resp: 1689

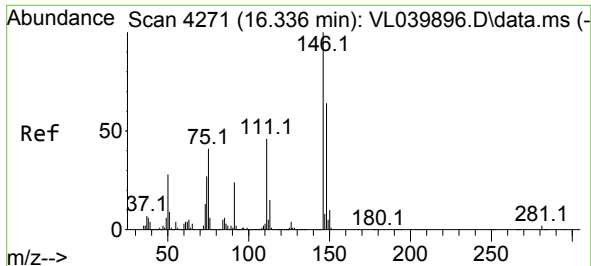
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 33.0 99.0#

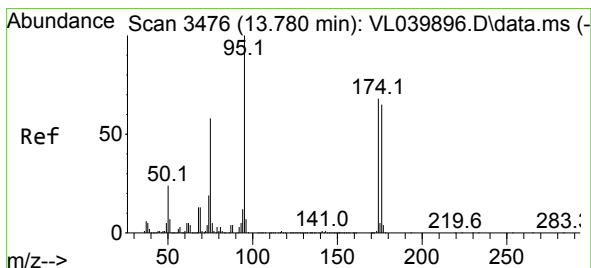
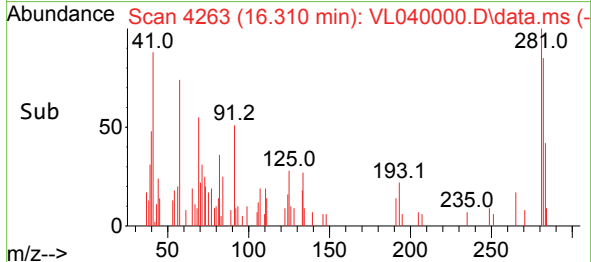
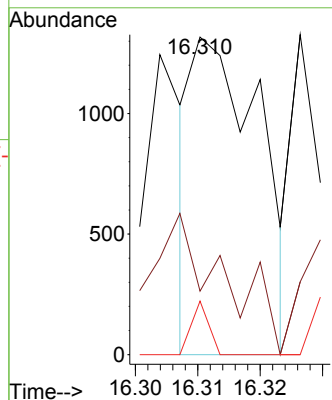
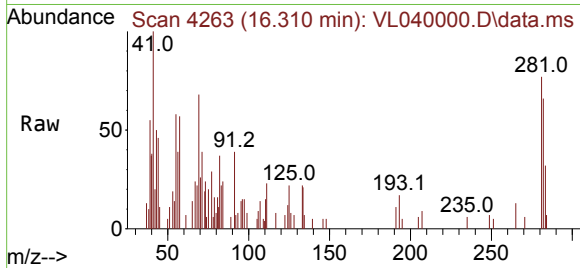




#66
Benzyl Chloride
Concen: 0.037 ppbv
RT: 16.310 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

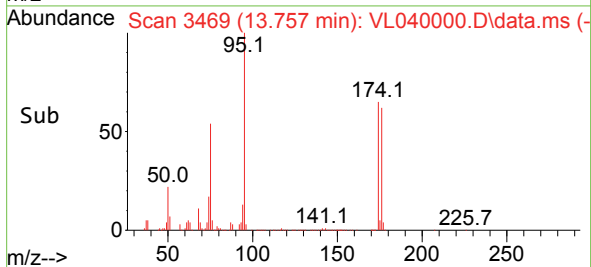
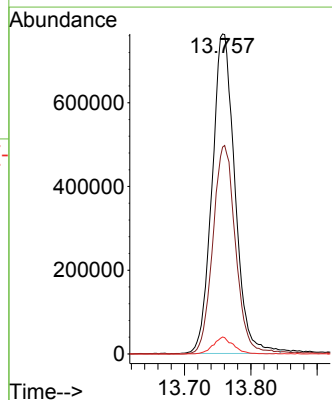
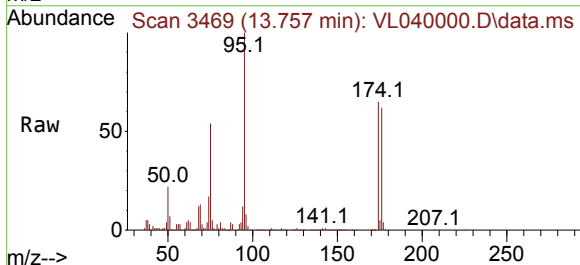
Instrument :
MSVOA_L
ClientSampleId :
SG-3

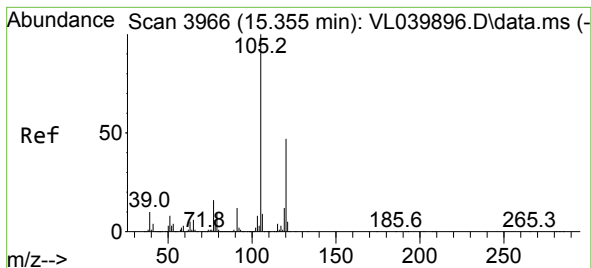
Tgt Ion: 91 Resp: 993
Ion Ratio Lower Upper
91 100
126 88.1 15.0 22.6#
128 0.0 4.6 7.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.524 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. 0.016 min
Lab File: VL040000.D
Acq: 13 Dec 2022 6:49

Tgt Ion: 95 Resp: 1825586
Ion Ratio Lower Upper
95 100
174 65.7 53.7 80.5
175 4.7 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 0.044 ppbv

RT: 15.336 min Scan# 3966

Delta R.T. 0.016 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Instrument :

MSVOA_L

ClientSampleId :

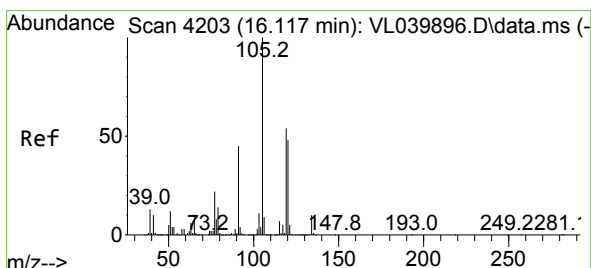
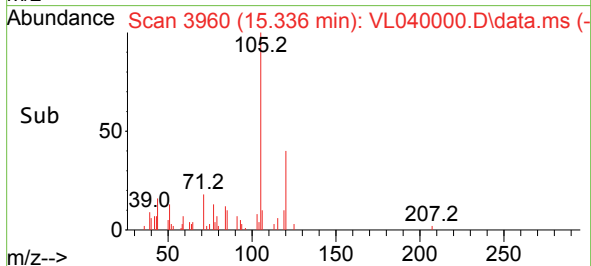
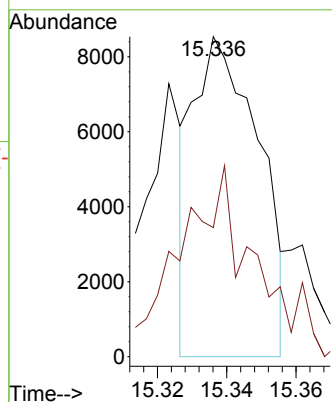
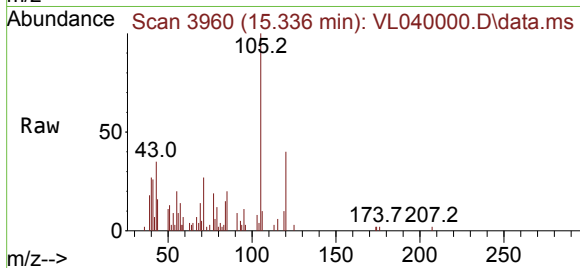
SG-3

Tgt Ion:105 Resp: 11205

Ion Ratio Lower Upper

105 100

120 27.5 37.9 56.9#



#74

1,2,4-Trimethylbenzene

Concen: 0.186 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.016 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Tgt Ion:105 Resp: 49908

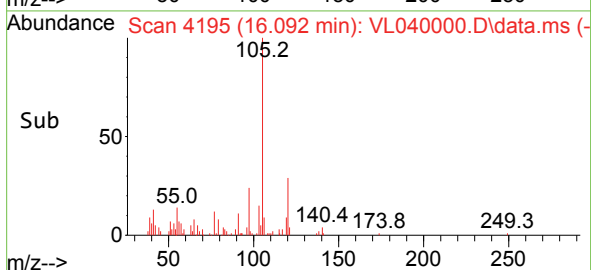
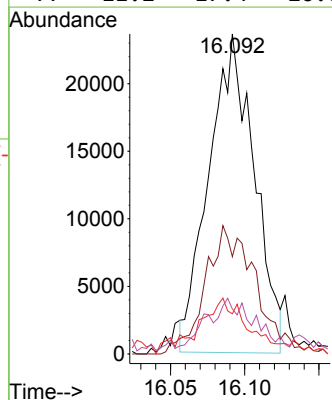
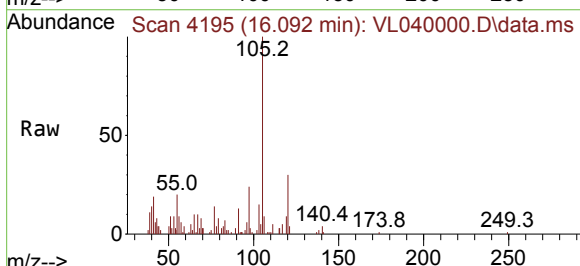
Ion Ratio Lower Upper

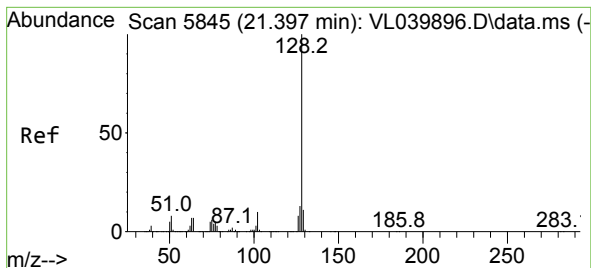
105 100

120 28.9 38.7 58.1#

91 10.5 36.4 54.6#

77 11.2 17.4 26.0#





#79

Naphthalene

Concen: 0.098 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.029 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Instrument :

MSVOA_L

ClientSampleId :

SG-3

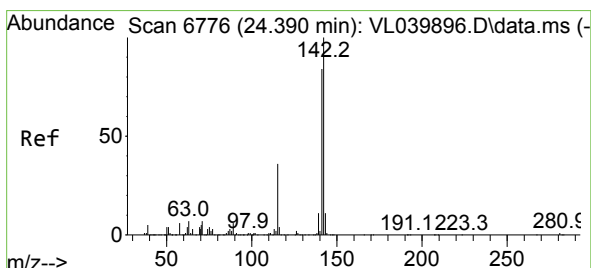
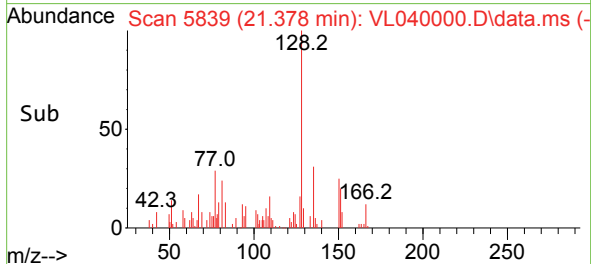
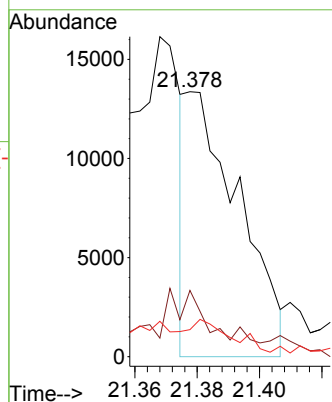
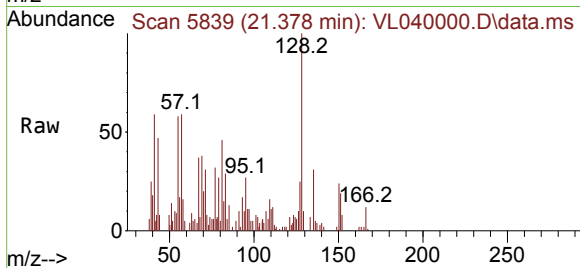
Tgt Ion:128 Resp: 15633

Ion Ratio Lower Upper

128 100

127 20.7 10.0 15.0#

129 7.7 8.8 13.2#



#80

Naphthalene,2-methyl-

Concen: 0.158 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. 0.019 min

Lab File: VL040000.D

Acq: 13 Dec 2022 6:49

Tgt Ion:142 Resp: 7129

Ion Ratio Lower Upper

142 100

141 84.6 69.1 103.7

115 57.4 29.6 44.4#

