

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040504.D
 Acq On : 23 Jun 2023 12:12
 Operator : SY/MD
 Sample : 03397-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Quant Time: Jun 26 02:16:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1025983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2721123	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2451097	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1908202	9.433	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	43538	0.195	ppbv	97
3) Chlorodifluoromethane	2.671	51	34694	0.206	ppbv #	90
4) Chloromethane	2.812	50	4824	0.074	ppbv #	79
9) Propene	2.697	41	67802	1.308	ppbv	94
10) Heptane	7.571	43	570360	4.863	ppbv	99
11) Trichlorofluoromethane	3.562	101	736452	4.050	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	6215	0.049	ppbv #	71
13) Ethanol	3.230	45	905792	84.410	ppbv	98
15) Acetone	3.465	43	4373366	35.341	ppbv	95
16) 1,3-Butadiene	2.964	39	156920	2.605	ppbv #	16
17) tert-Butyl alcohol	3.883	59	61145	0.601	ppbv #	71
19) Isopropyl Alcohol	3.574	45	30921	0.518	ppbv #	1
20) Methylene Chloride	3.935	84	160769	3.044	ppbv	97
21) Allyl Chloride	3.951	41	97606	1.396	ppbv #	50
23) Vinyl Acetate	4.603	43	214509	1.775	ppbv #	1
25) Ethyl Acetate	5.211	43	575039	2.564	ppbv #	77
26) Hexane	5.208	57	856101	8.063	ppbv #	41
27) Carbon Disulfide	4.121	76	389854	2.936	ppbv	97
28) Methyl tert-Butyl Ether	4.584	73	3741	0.046	ppbv #	52
29) Chloroform	5.272	83	34372	0.190	ppbv	88
30) Cyclohexane	6.600	84	92877	1.085	ppbv #	6
32) 1,1,1-Trichloroethane	5.999	97	9562	0.054	ppbv #	31
34) 2-Butanone	4.780	43	336535	2.565	ppbv	100
36) Benzene	6.365	78	823182	3.803	ppbv	96
38) Trichloroethene	7.285	130	5637	0.069	ppbv #	77
39) 1,2-Dichloropropane	6.648	63	652911	7.825	ppbv #	22
41) Tetrahydrofuran	5.494	42	9596	0.134	ppbv	92
42) Bromodichloromethane	7.246	83	36324	0.187	ppbv #	24
44) 2,2,4-Trimethylpentane	7.323	57	873070	2.468	ppbv #	85
50) 4-Methyl-2-Pentanone	8.192	43	9988	0.057	ppbv #	52
51) 2-Hexanone	9.536	43	105859	0.868	ppbv #	88
52) Tetrachloroethene	10.606	164	299483	4.407	ppbv	95
53) Toluene	9.214	91	6268754	27.498	ppbv	99
58) Ethyl Benzene	12.079	91	3237195	10.900	ppbv	99
59) m/p-Xylene	12.339	91	9551654	34.996	ppbv	92
60) o-Xylene	13.050	91	3758802	14.520	ppbv	98
61) Styrene	12.889	104	57067	0.512	ppbv	97
62) Isopropylbenzene	14.024	105	865026	2.248	ppbv	99
64) n-propylbenzene	14.908	120	186334	1.907	ppbv	96
65) tert-Butylbenzene	16.098	119	360959	1.093	ppbv #	72
66) Benzyl Chloride	16.098	91	393646	15.472	ppbv #	67
67) sec-Butylbenzene	16.629	105	34192	0.071	ppbv #	84
69) p-Isopropyltoluene	16.985	119	57176	0.149	ppbv #	65

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

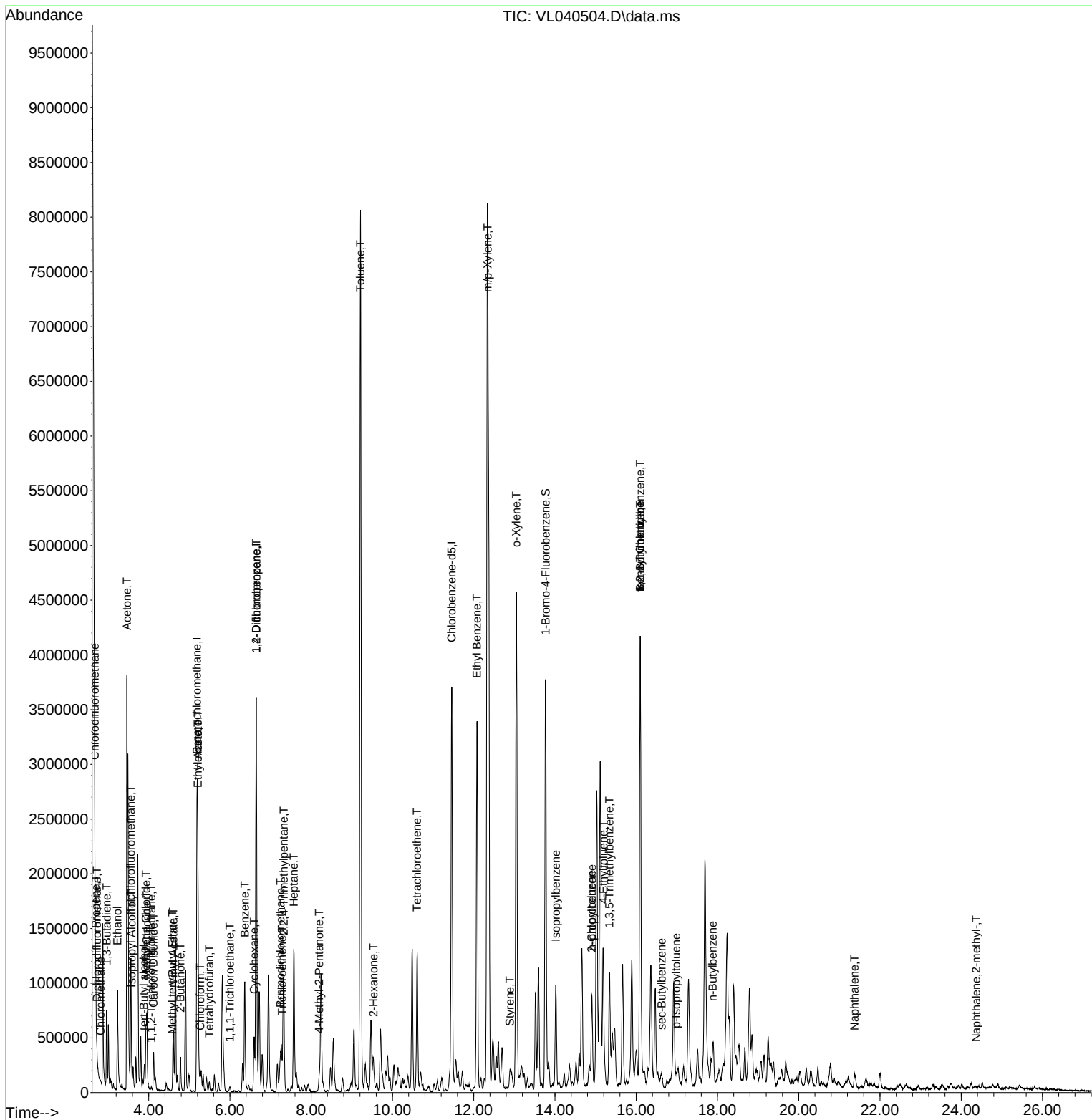
Instrument :
MSVOA_L
ClientSampleId :
SV-4

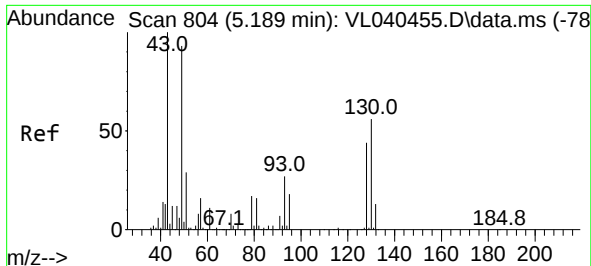
Quant Time: Jun 26 02:16:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	17.883	91	70310	0.165	ppbv #	1
71) 2-Chlorotoluene	14.905	91	913989	3.199	ppbv #	45
72) 4-Ethyltoluene	15.188	105	612919	2.102	ppbv #	68
73) 1,3,5-Trimethylbenzene	15.342	105	785600	3.048	ppbv	94
74) 1,2,4-Trimethylbenzene	16.098	105	3282051	10.826	ppbv #	72
79) Naphthalene	21.371	128	63213	0.362	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	7256	0.138	ppbv #	63

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

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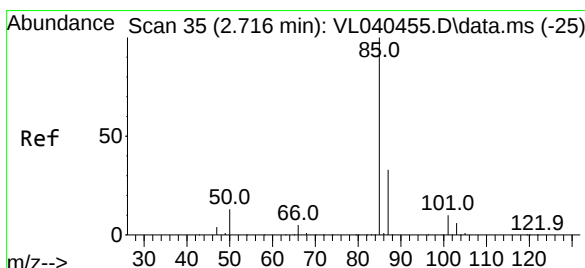
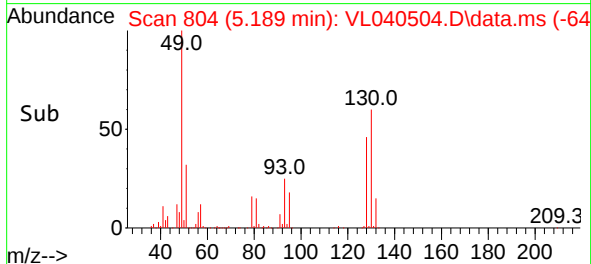
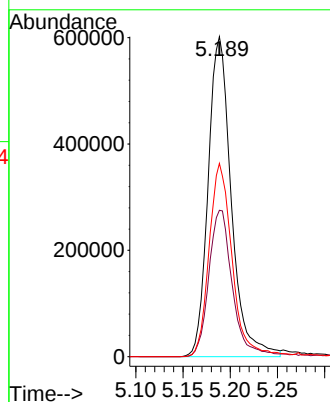
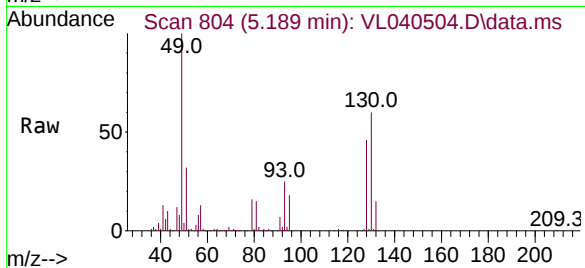




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

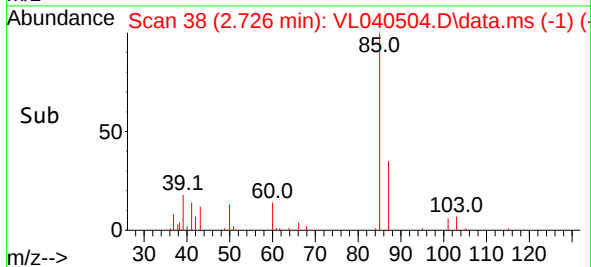
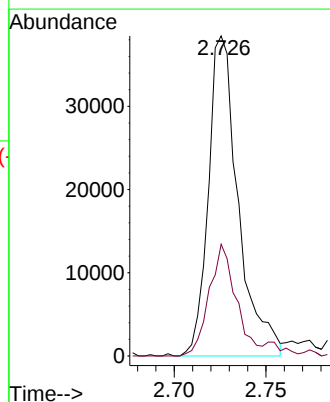
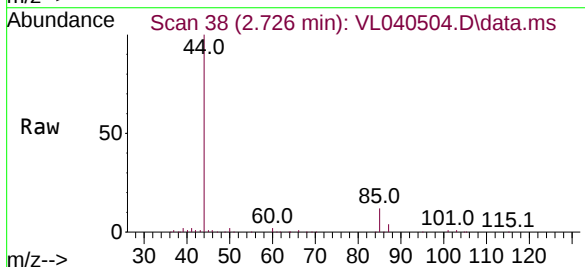
Instrument :
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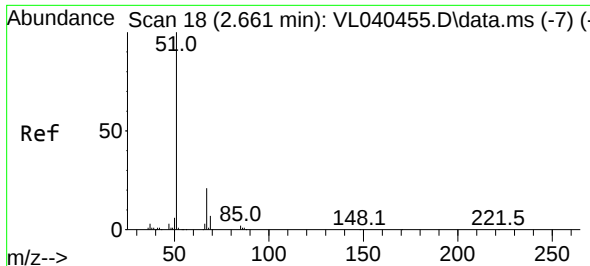
Tgt Ion: 49 Resp: 1025983
 Ion Ratio Lower Upper
 49 100
 128 47.6 24.7 74.1
 130 61.5 31.4 94.2



#2
 Dichlorodifluoromethane
 Concen: 0.195 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.010 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

Tgt Ion: 85 Resp: 43538
 Ion Ratio Lower Upper
 85 100
 87 34.9 26.6 39.8

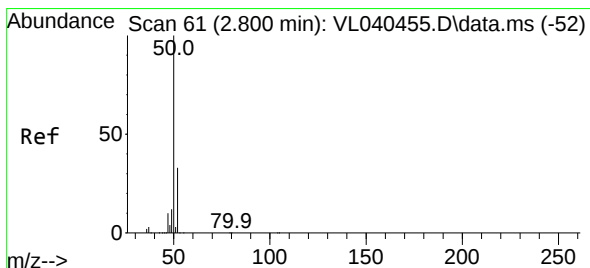
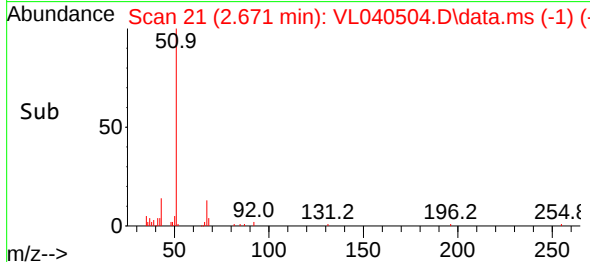
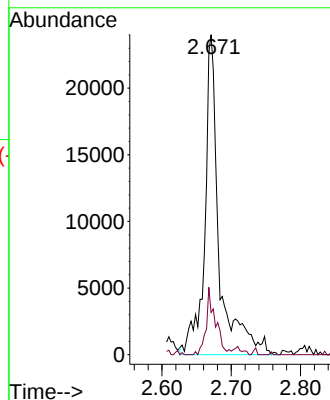
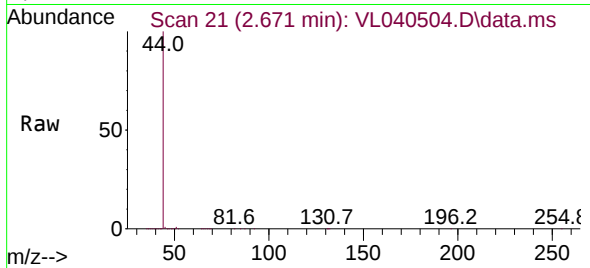




#3
Chlorodifluoromethane
Concen: 0.206 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

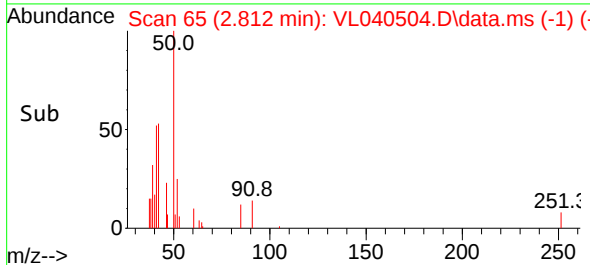
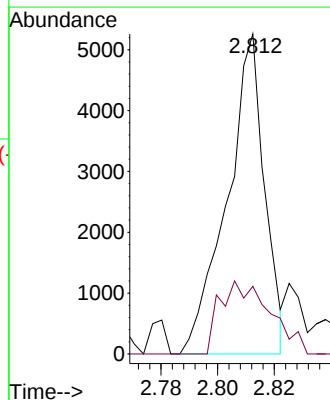
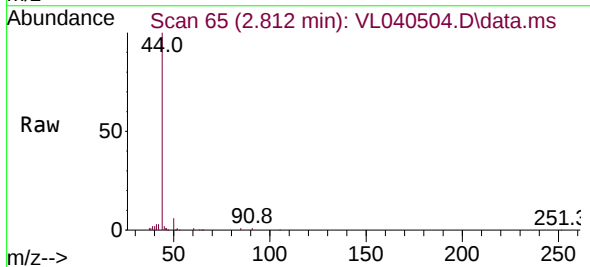
Instrument :
MSVOA_L
ClientSampleId :
SV-4

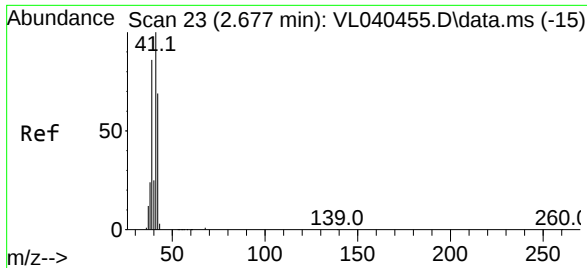
Tgt Ion: 51 Resp: 34694
Ion Ratio Lower Upper
51 100
67 15.7 16.3 24.5#



#4
Chloromethane
Concen: 0.074 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.013 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 50 Resp: 4824
Ion Ratio Lower Upper
50 100
52 21.2 26.3 39.5#





#9

Propene

Concen: 1.308 ppbv

RT: 2.697 min Scan# 24

Delta R.T. 0.019 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

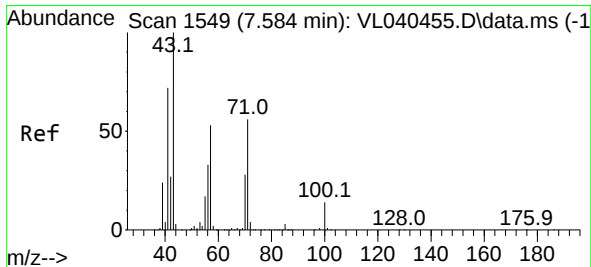
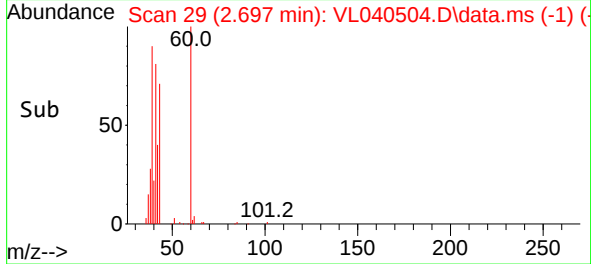
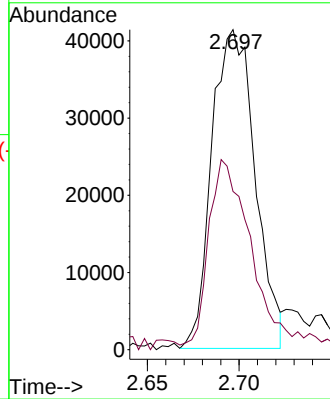
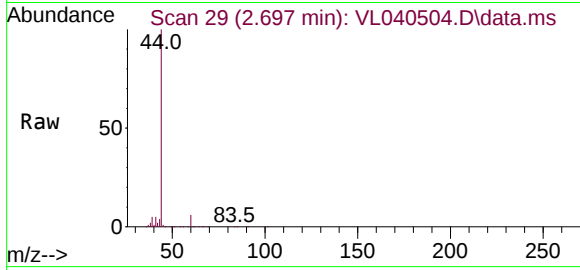
SV-4

Tgt Ion: 41 Resp: 67802

Ion Ratio Lower Upper

41 100

42 65.7 56.2 84.2



#10

Heptane

Concen: 4.863 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.013 min

Lab File: VL040504.D

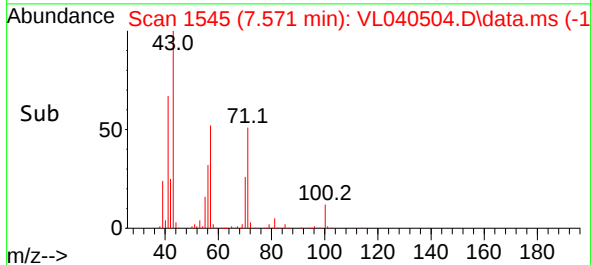
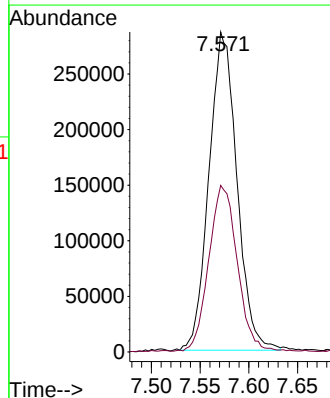
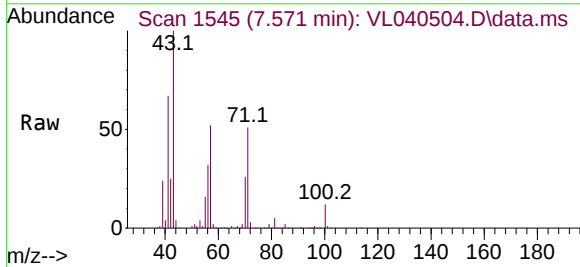
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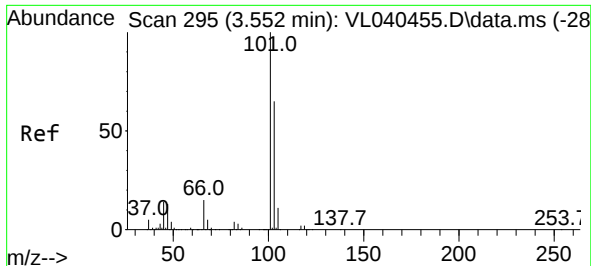
Tgt Ion: 43 Resp: 570360

Ion Ratio Lower Upper

43 100

57 54.0 42.5 63.7

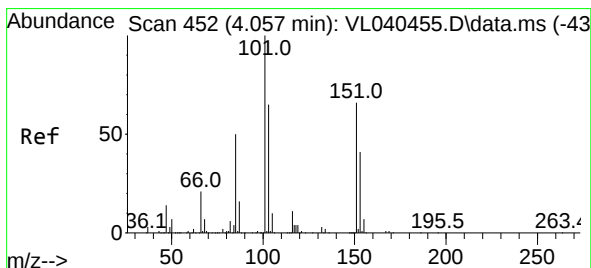
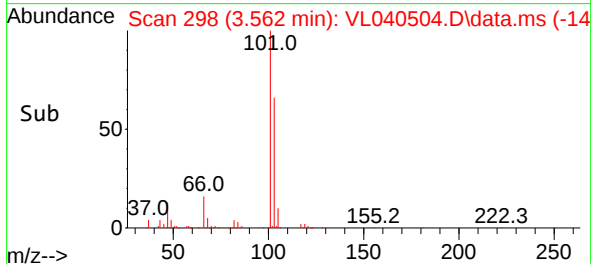
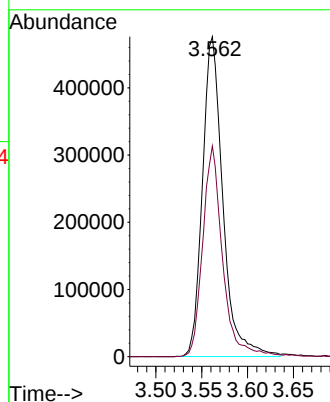
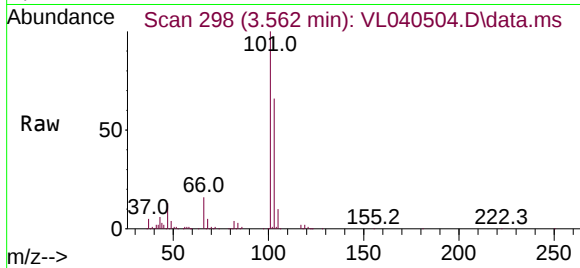




#11
 Trichlorofluoromethane
 Concen: 4.050 ppbv
 RT: 3.562 min Scan# 295
 Delta R.T. 0.010 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

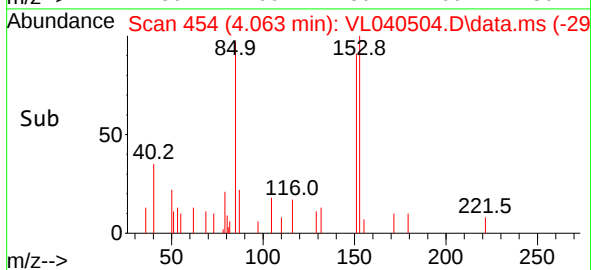
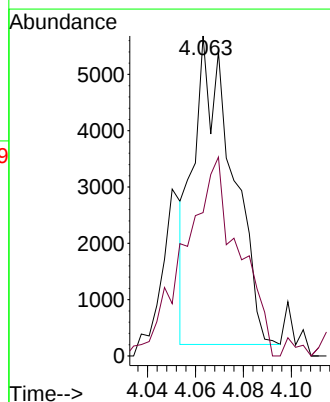
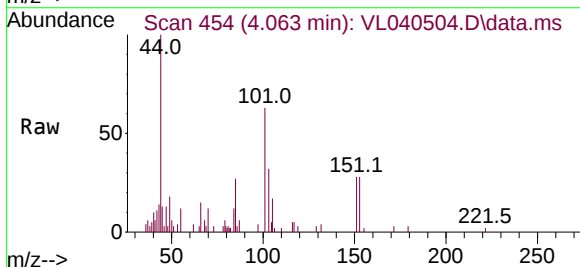
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

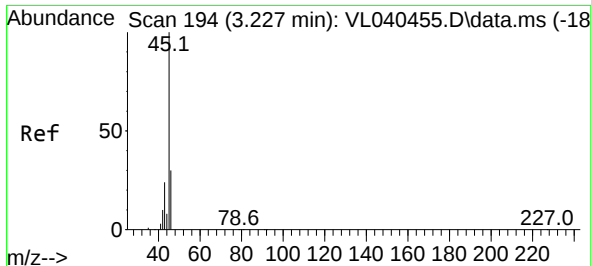
Tgt Ion:101 Resp: 736452
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.049 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.006 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

Tgt Ion:101 Resp: 6215
 Ion Ratio Lower Upper
 101 100
 151 91.0 54.3 81.5#

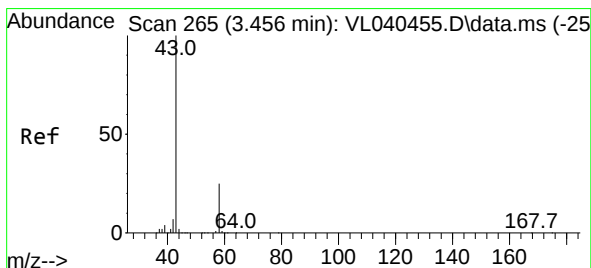
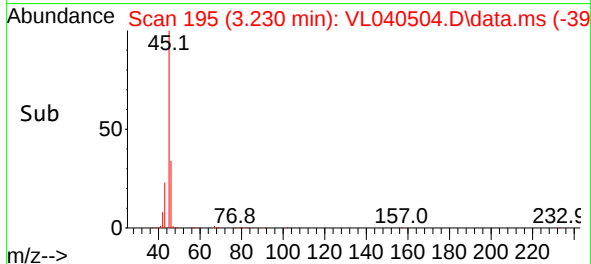
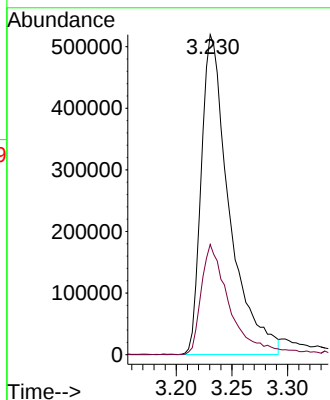
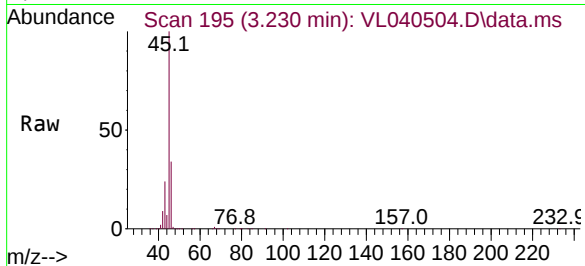




#13
 Ethanol
 Concen: 84.410 ppbv
 RT: 3.230 min Scan# 194
 Delta R.T. 0.003 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

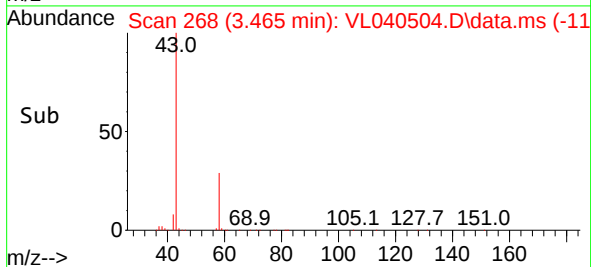
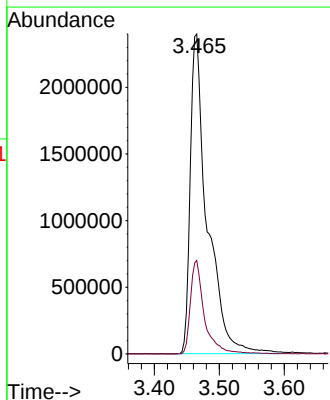
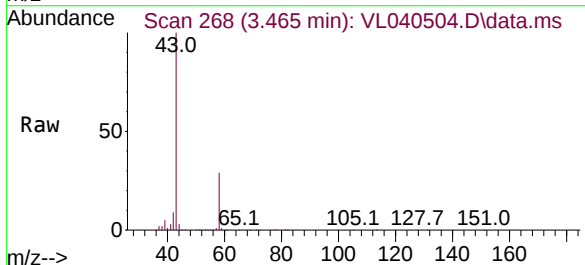
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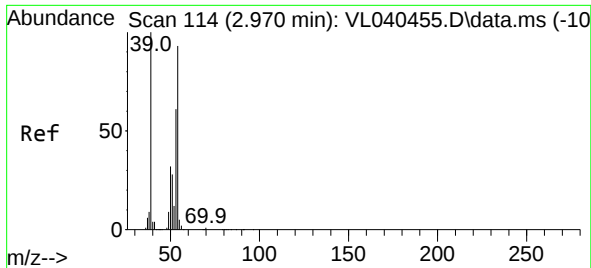
Tgt Ion: 45 Resp: 905792
 Ion Ratio Lower Upper
 45 100
 46 37.3 14.5 58.1



#15
 Acetone
 Concen: 35.341 ppbv
 RT: 3.465 min Scan# 268
 Delta R.T. 0.010 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

Tgt Ion: 43 Resp: 4373366
 Ion Ratio Lower Upper
 43 100
 58 24.3 21.6 32.4

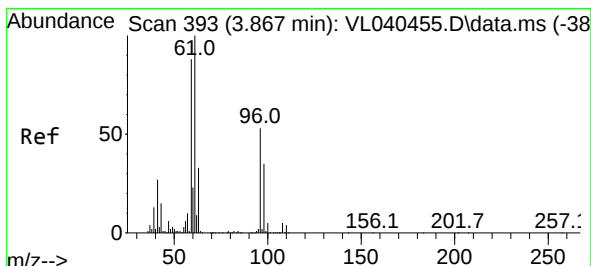
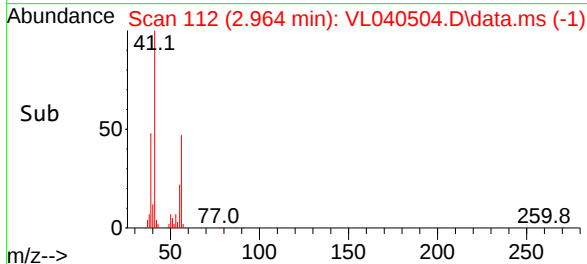
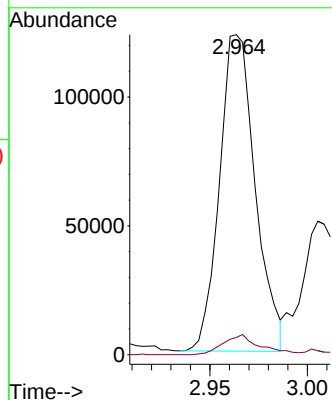
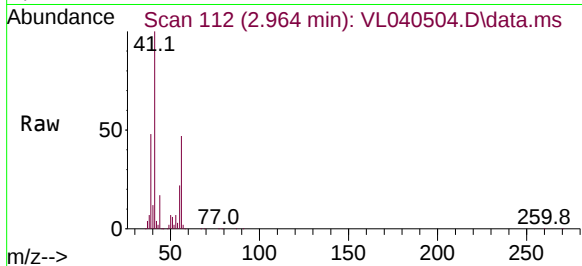




#16
1,3-Butadiene
Concen: 2.605 ppbv
RT: 2.964 min Scan# 114
Delta R.T. -0.006 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

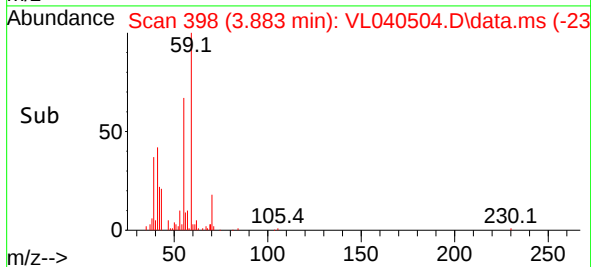
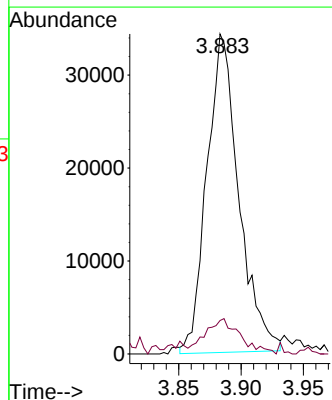
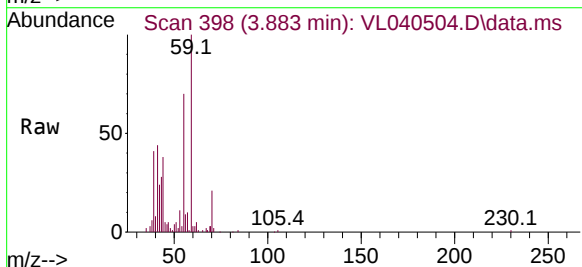
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ClientSampleId :
SV-4

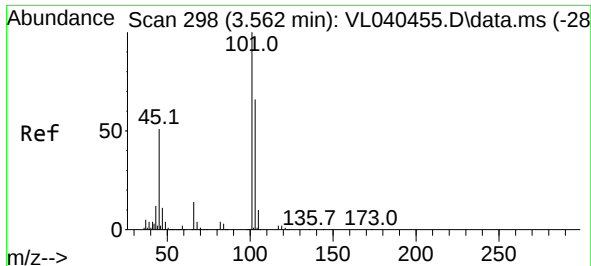
Tgt Ion: 39 Resp: 156920
Ion Ratio Lower Upper
39 100
54 7.7 66.9 100.3#



#17
tert-Butyl alcohol
Concen: 0.601 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 59 Resp: 61145
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

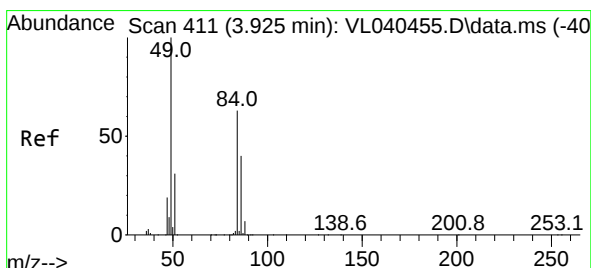
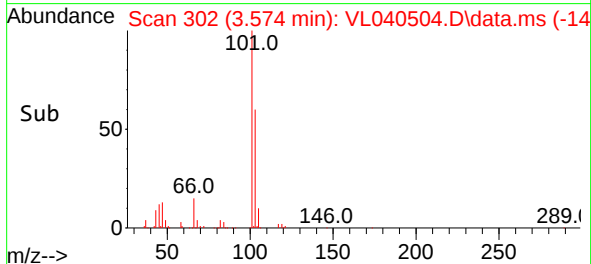
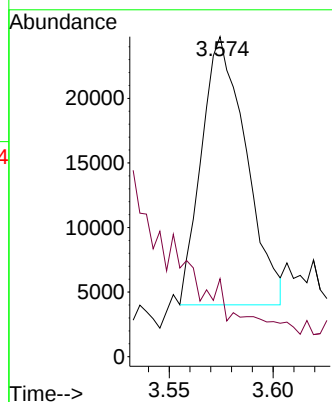
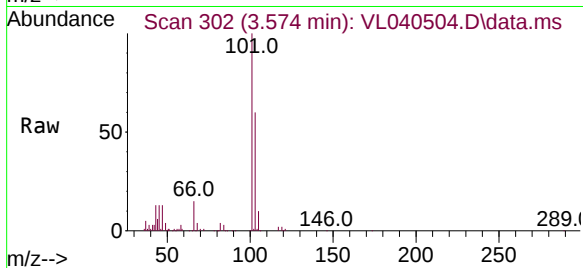




#19
Isopropyl Alcohol
Concen: 0.518 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.013 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

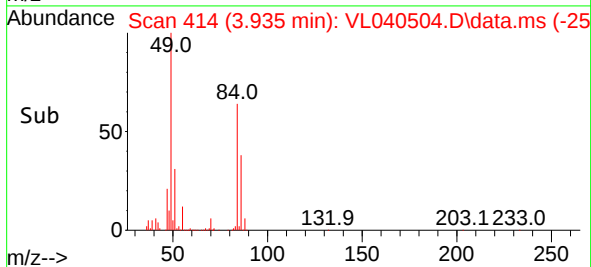
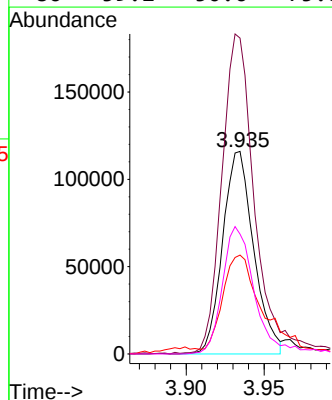
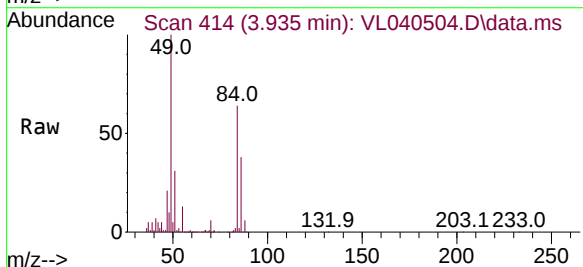
Instrument :
MSVOA_L
ClientSampleId :
SV-4

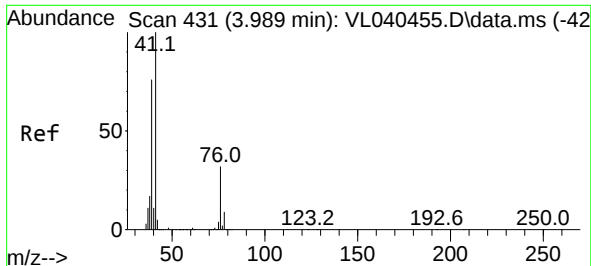
Tgt Ion: 45 Resp: 30921
Ion Ratio Lower Upper
45 100
58 3434.5 2.6 4.0#



#20
Methylene Chloride
Concen: 3.044 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.010 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 84 Resp: 160769
Ion Ratio Lower Upper
84 100
49 155.7 126.2 189.2
51 46.2 38.7 58.1
86 59.2 50.6 75.8





#21

Allyl Chloride

Concen: 1.396 ppbv

RT: 3.951 min Scan# 41

Delta R.T. -0.039 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

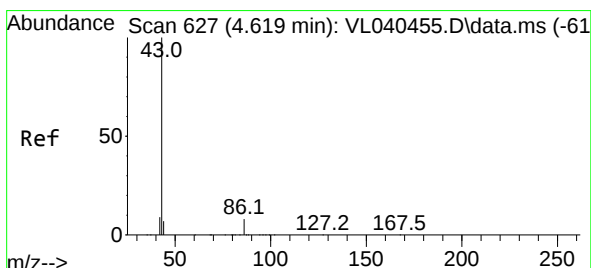
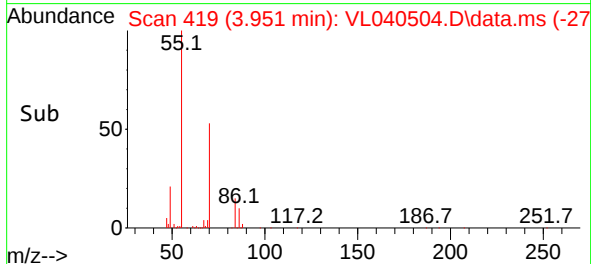
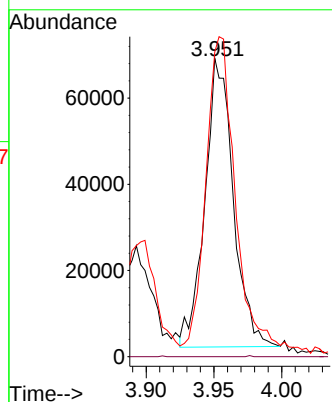
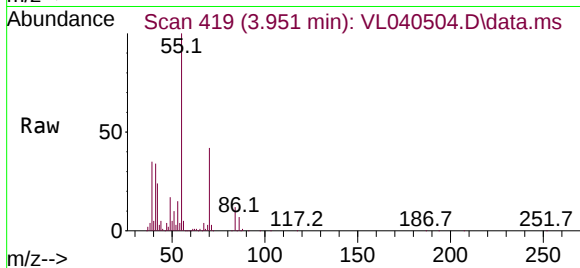
Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion:	41	Resp:	97606
Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.1	39.1#
39	120.6	63.9	95.9#



#23

Vinyl Acetate

Concen: 1.775 ppbv

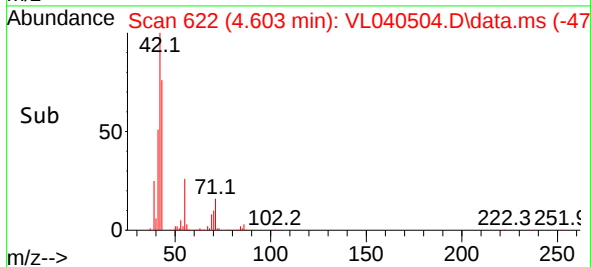
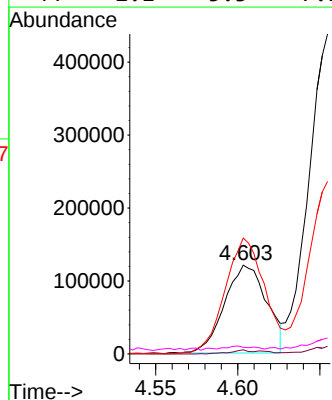
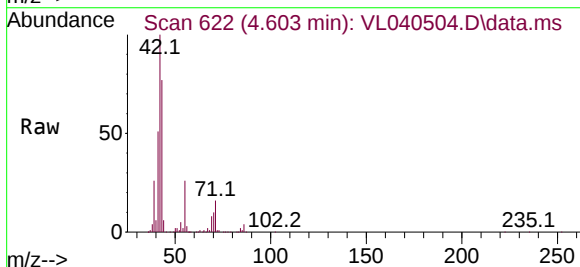
RT: 4.603 min Scan# 622

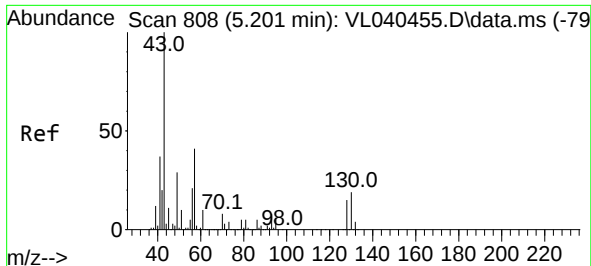
Delta R.T. -0.016 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

Tgt Ion:	43	Resp:	214509
Ion	Ratio	Lower	Upper
43	100		
86	4.7	5.8	8.6#
42	130.9	7.4	11.2#
44	2.1	5.3	7.9#

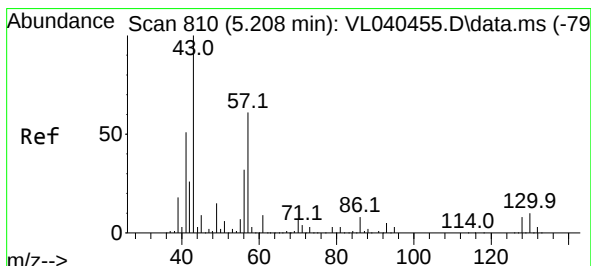
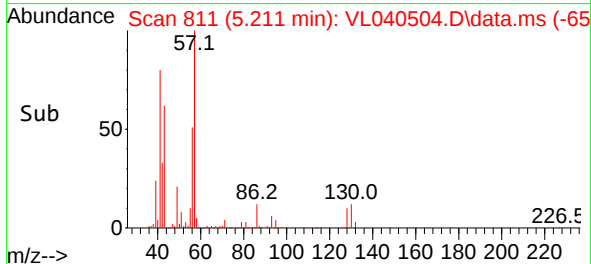
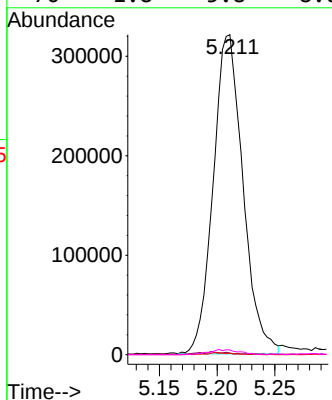
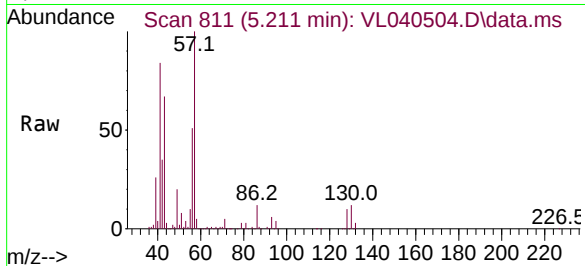




#25
Ethyl Acetate
Concen: 2.564 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

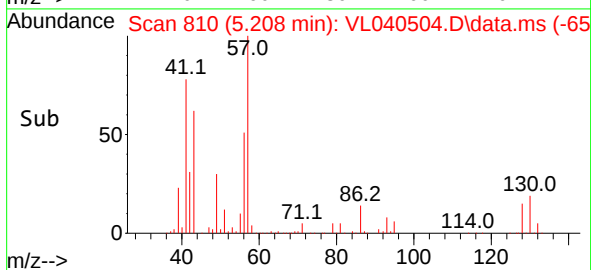
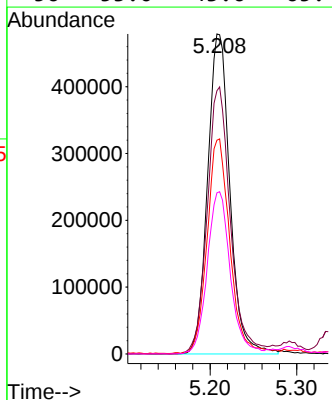
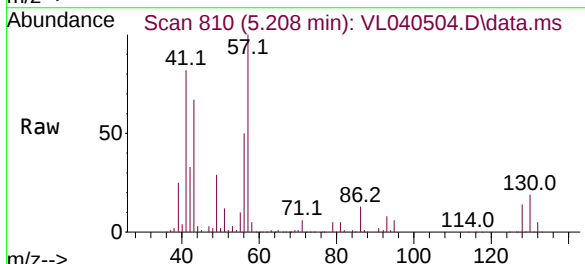
Instrument :
MSVOA_L
ClientSampleId :
SV-4

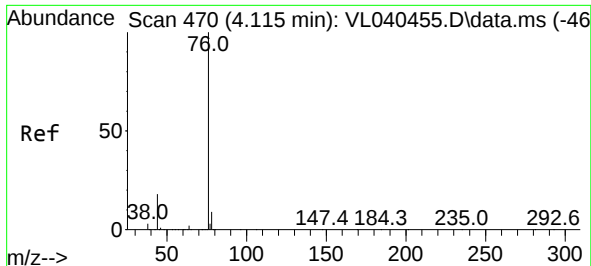
Tgt Ion: 43 Resp: 575039
Ion Ratio Lower Upper
43 100
45 0.8 8.0 12.0#
61 0.6 8.1 12.1#
70 1.8 5.8 8.6#



#26
Hexane
Concen: 8.063 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 57 Resp: 856101
Ion Ratio Lower Upper
57 100
41 86.7 73.0 109.6
43 68.3 177.5 266.3#
56 53.0 43.6 65.4

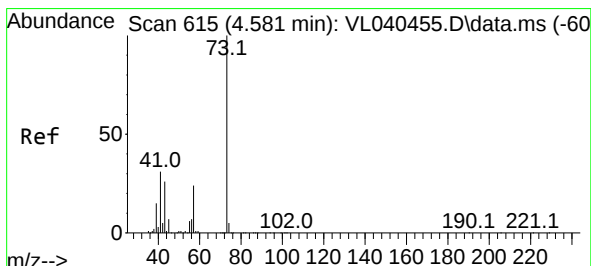
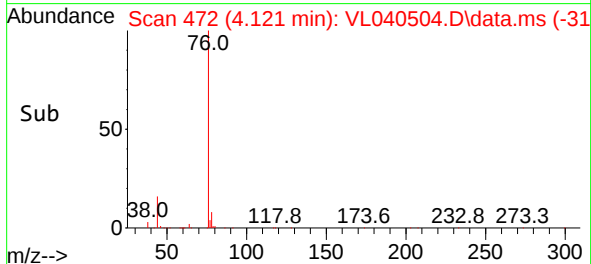
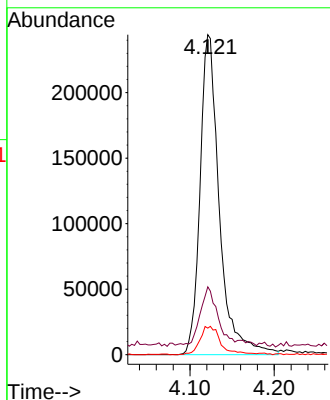
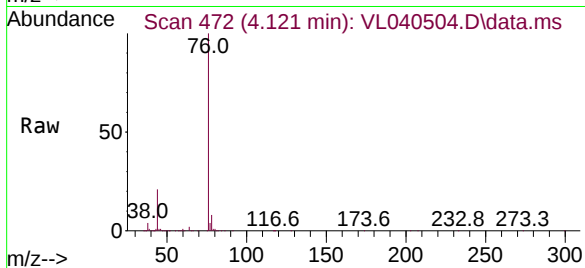




#27
Carbon Disulfide
Concen: 2.936 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

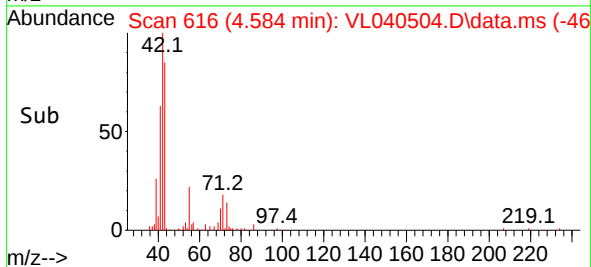
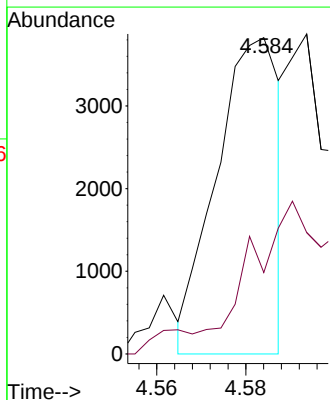
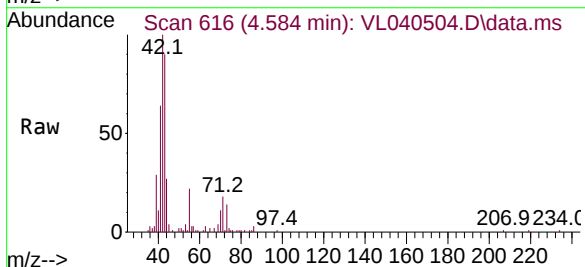
Instrument :
MSVOA_L
ClientSampleId :
SV-4

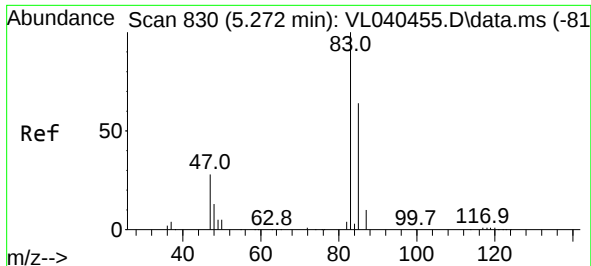
Tgt Ion: 76 Resp: 389854
Ion Ratio Lower Upper
76 100
44 20.4 14.6 22.0
78 9.8 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 0.046 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 73 Resp: 3741
Ion Ratio Lower Upper
73 100
57 0.0 19.0 28.4#





#29

Chloroform

Concen: 0.190 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

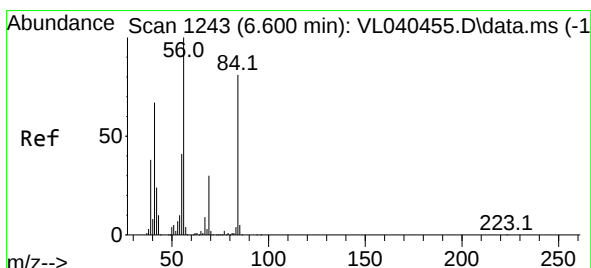
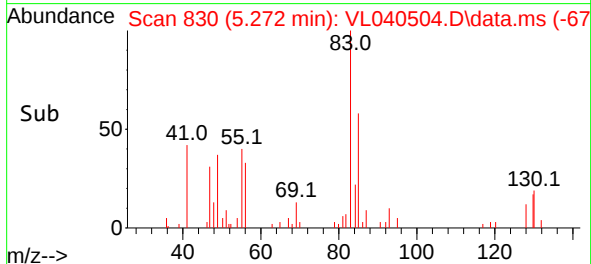
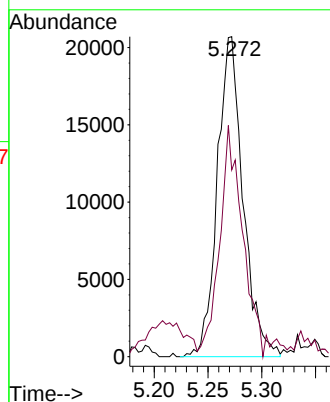
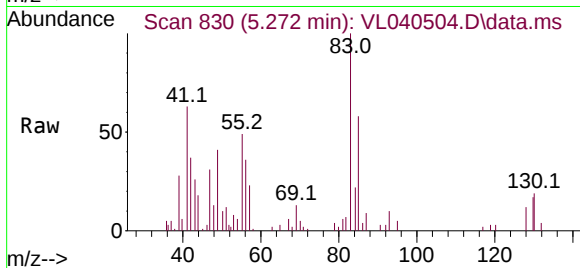
SV-4

Tgt Ion: 83 Resp: 34372

Ion Ratio Lower Upper

83 100

85 54.7 51.1 76.7



#30

Cyclohexane

Concen: 1.085 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

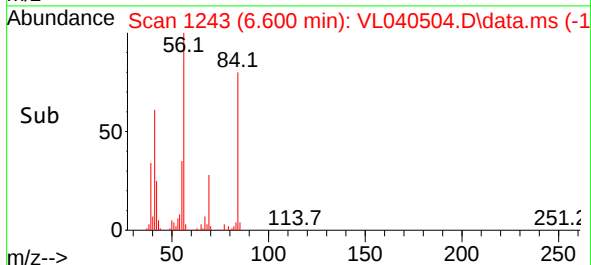
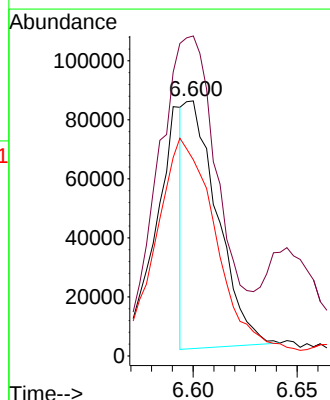
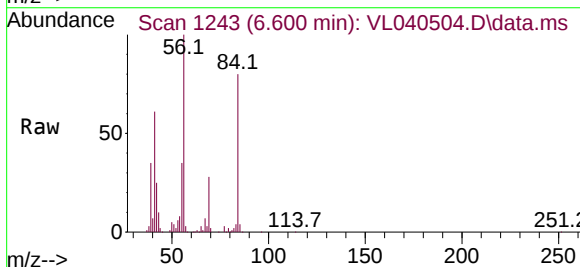
Tgt Ion: 84 Resp: 92877

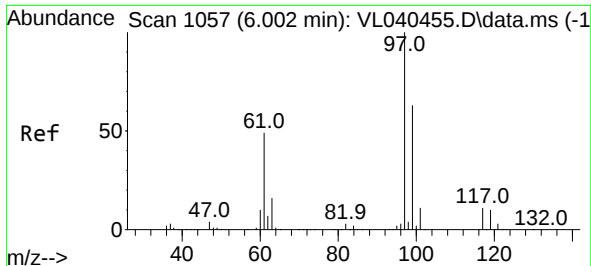
Ion Ratio Lower Upper

84 100

56 244.1 106.0 159.0#

41 0.0 66.8 100.2#

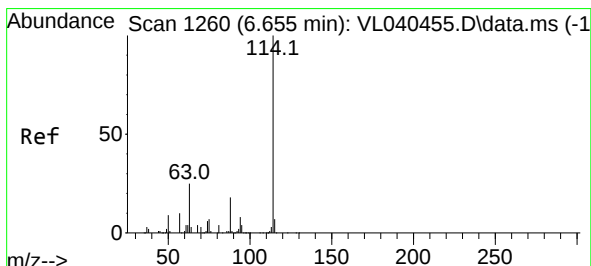
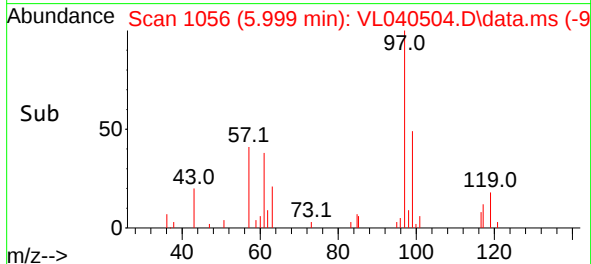
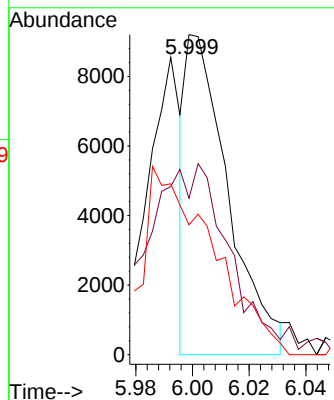
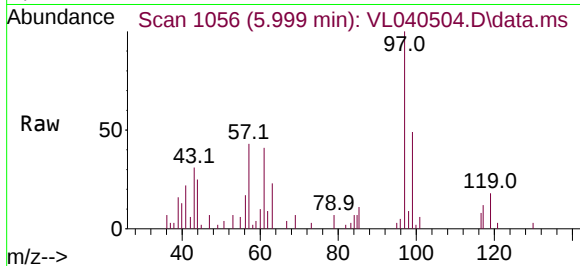




#32
 1,1,1-Trichloroethane
 Concen: 0.054 ppbv
 RT: 5.999 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

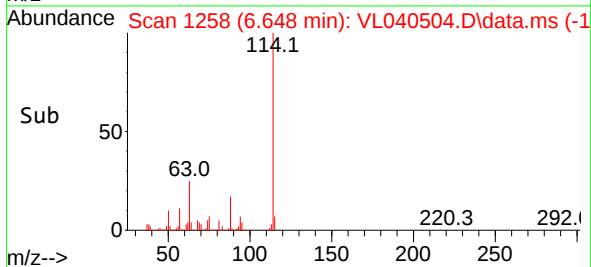
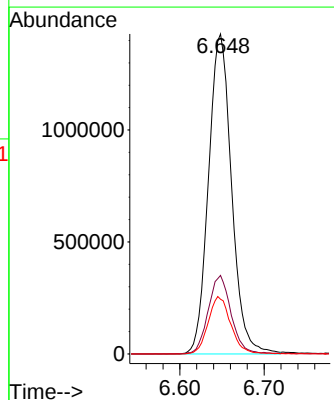
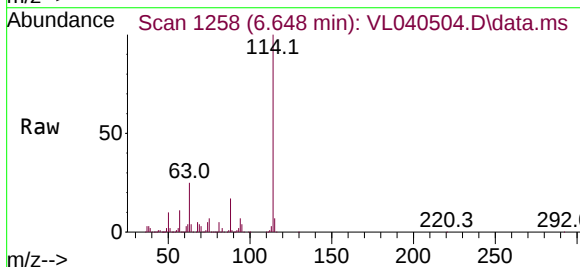
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

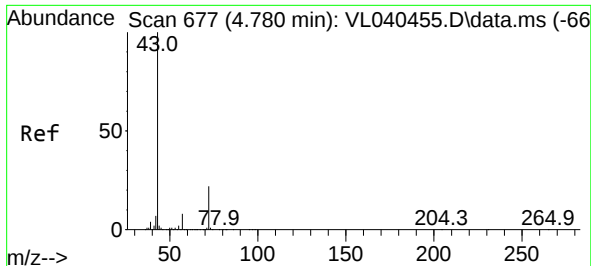
Tgt Ion: 97 Resp: 9562
 Ion Ratio Lower Upper
 97 100
 99 116.8 51.5 77.3#
 61 0.0 39.7 59.5#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.648 min Scan# 1258
 Delta R.T. -0.006 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

Tgt Ion: 114 Resp: 2721123
 Ion Ratio Lower Upper
 114 100
 63 24.7 21.0 31.6
 88 17.7 14.5 21.7

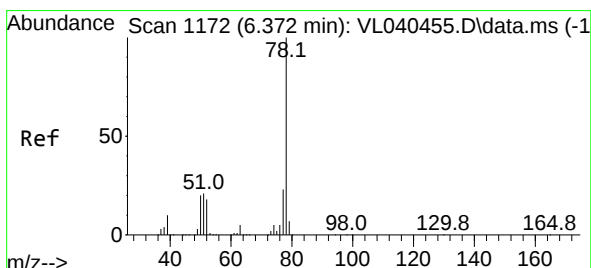
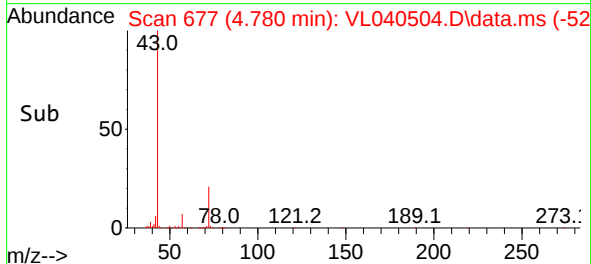
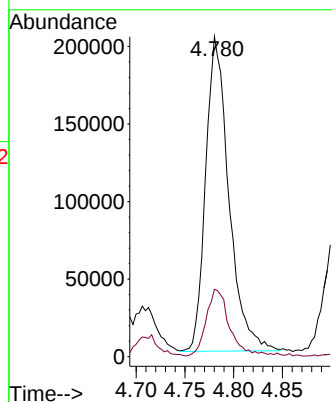
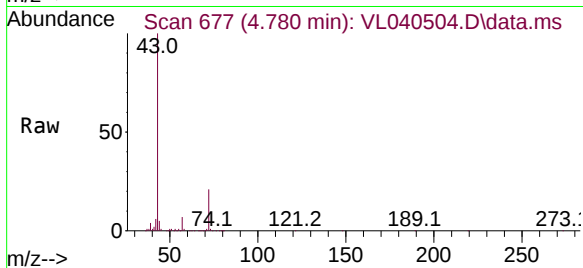




#34
2-Butanone
Concen: 2.565 ppbv
RT: 4.780 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

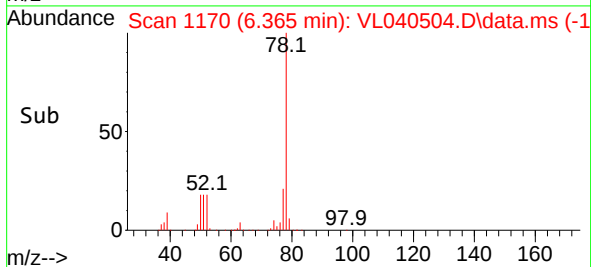
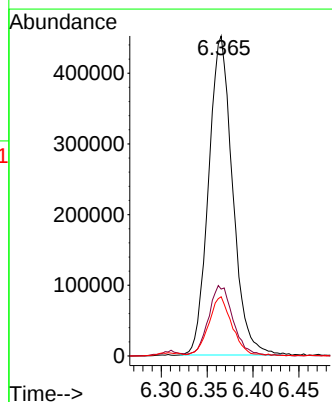
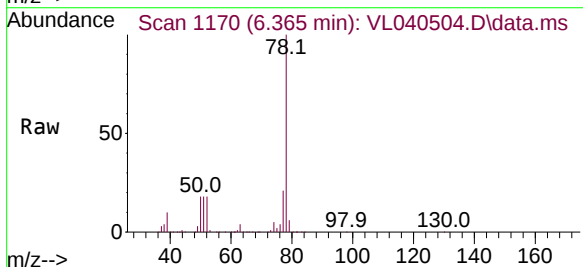
Instrument :
MSVOA_L
ClientSampleId :
SV-4

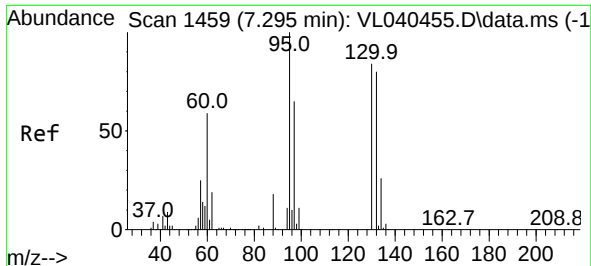
Tgt Ion: 43 Resp: 336535
Ion Ratio Lower Upper
43 100
72 22.5 18.1 27.1



#36
Benzene
Concen: 3.803 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.007 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 78 Resp: 823182
Ion Ratio Lower Upper
78 100
77 20.7 18.5 27.7
50 18.3 16.1 24.1

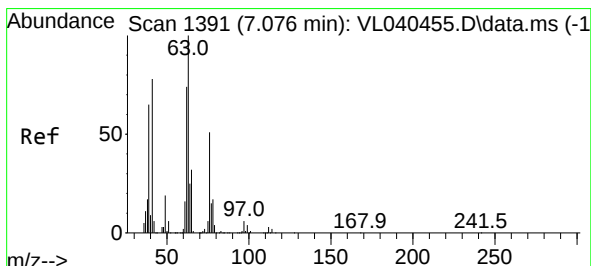
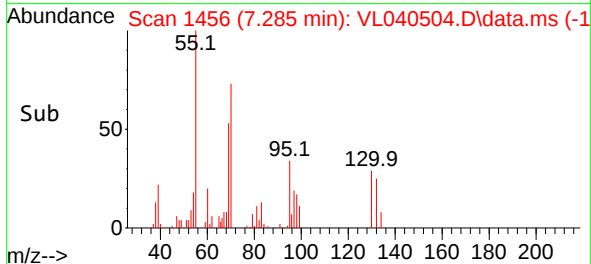
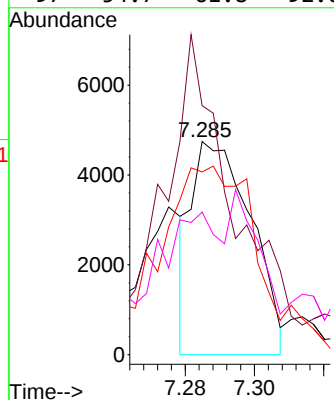
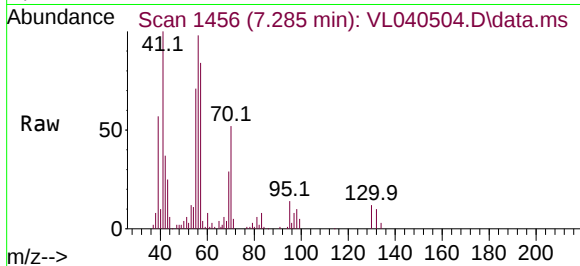




#38
 Trichloroethene
 Concen: 0.069 ppbv
 RT: 7.285 min Scan# 1459
 Delta R.T. -0.010 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

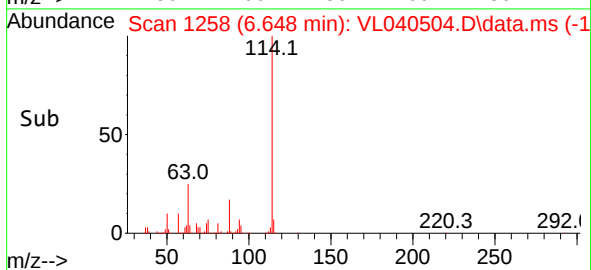
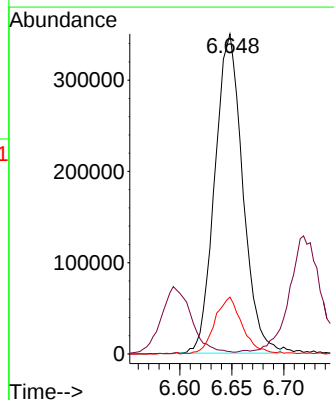
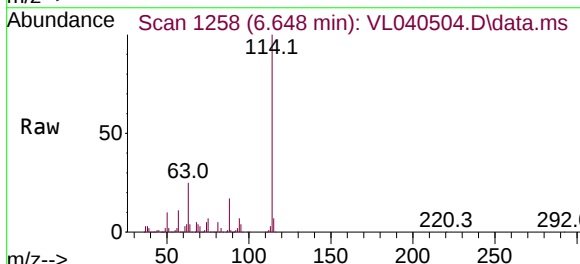
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

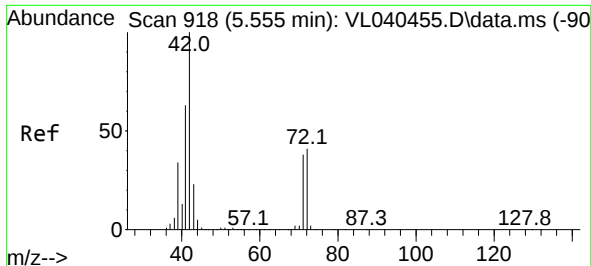
Tgt Ion:	130	Resp:	5637
Ion Ratio	Lower	Upper	
130	100		
95	88.5	95.4	143.0#
132	79.7	76.3	114.5
97	54.7	61.8	92.6#



#39
 1,2-Dichloropropane
 Concen: 7.825 ppbv
 RT: 6.648 min Scan# 1258
 Delta R.T. -0.428 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

Tgt Ion:	63	Resp:	652911
Ion Ratio	Lower	Upper	
63	100		
41	0.0	62.2	93.2#
62	17.8	59.0	88.4#

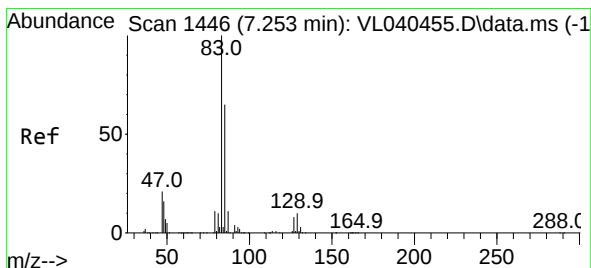
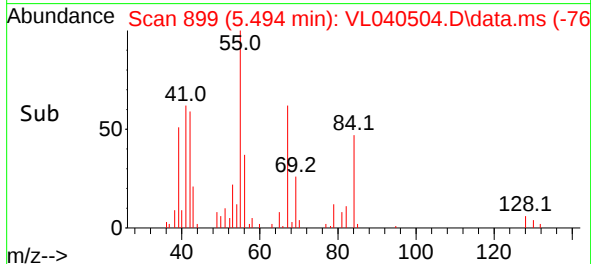
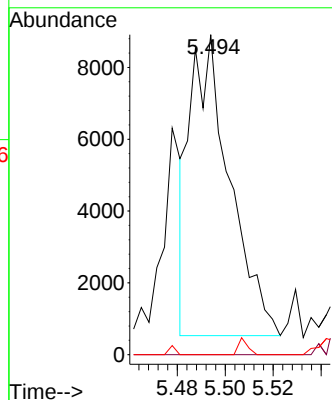
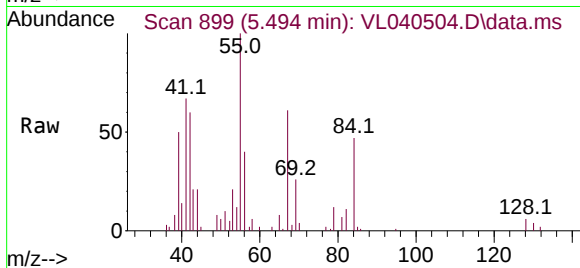




#41
Tetrahydrofuran
Concen: 0.134 ppbv
RT: 5.494 min Scan# 899
Delta R.T. -0.061 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

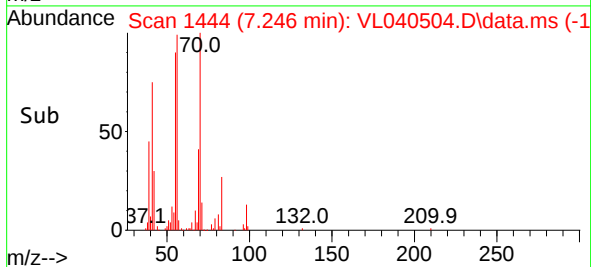
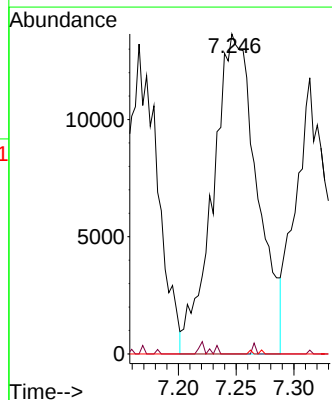
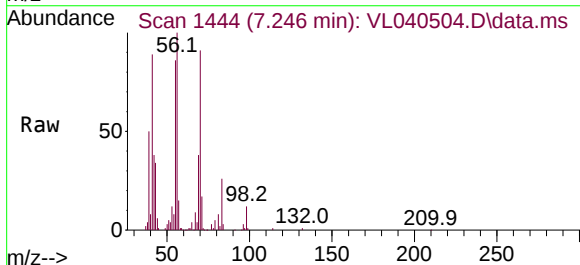
Instrument :
MSVOA_L
ClientSampleId :
SV-4

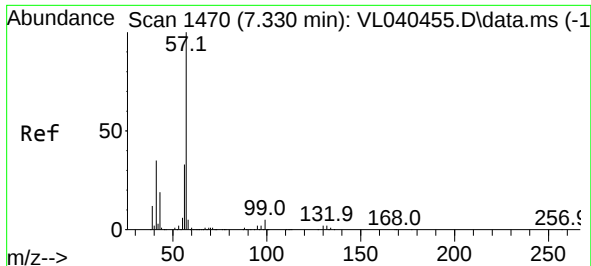
Tgt Ion: 42 Resp: 9596
Ion Ratio Lower Upper
42 100
72 37.0 33.8 50.8
71 36.1 32.3 48.5



#42
Bromodichloromethane
Concen: 0.187 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 83 Resp: 36324
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#
127 0.0 6.1 9.1#

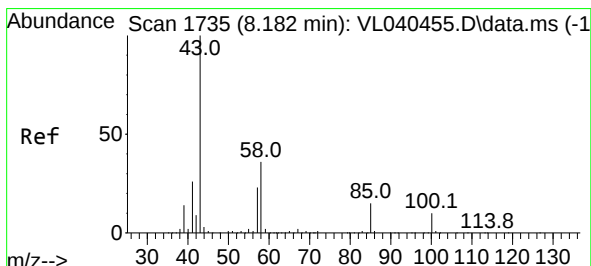
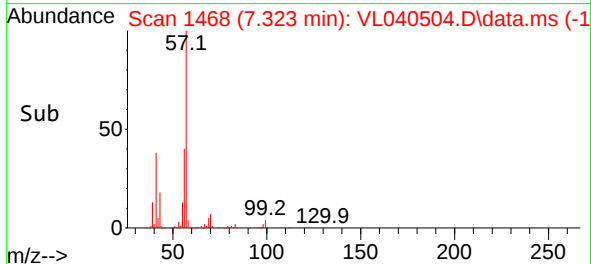
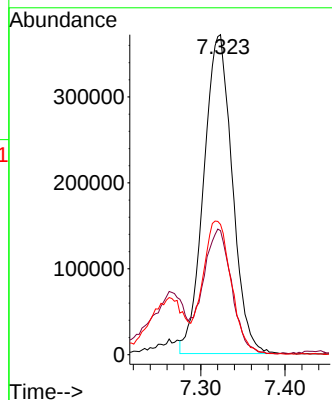
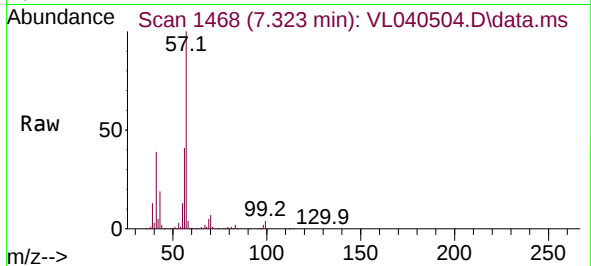




#44
2,2,4-Trimethylpentane
Concen: 2.468 ppbv
RT: 7.323 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

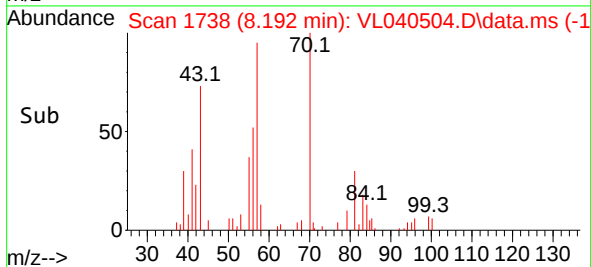
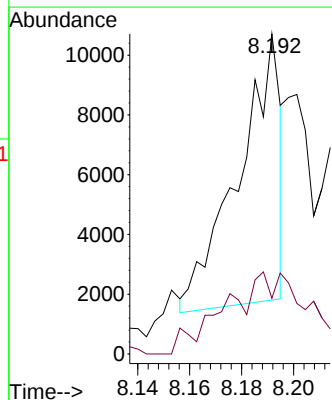
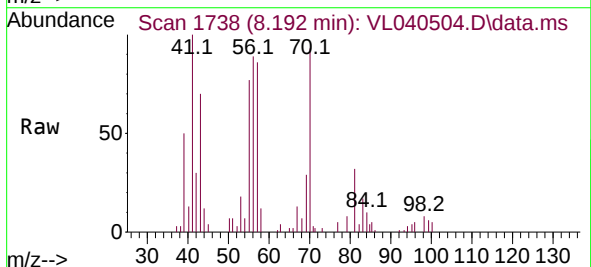
Instrument :
MSVOA_L
ClientSampleId :
SV-4

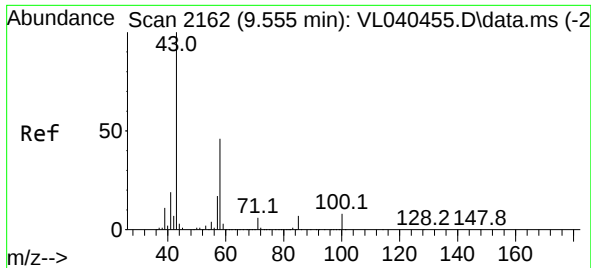
Tgt Ion: 57 Resp: 873070
Ion Ratio Lower Upper
57 100
41 40.3 27.8 41.8
56 42.8 25.3 37.9#



#50
4-Methyl-2-Pentanone
Concen: 0.057 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.010 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 43 Resp: 9988
Ion Ratio Lower Upper
43 100
58 63.4 28.2 42.4#

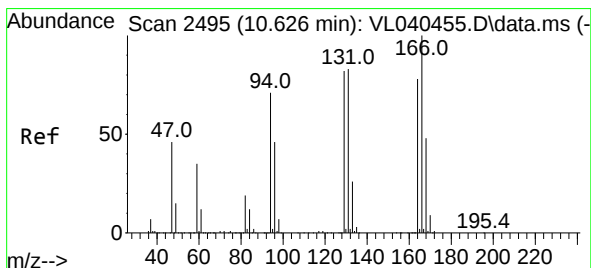
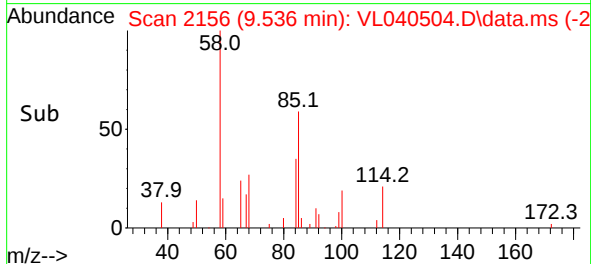
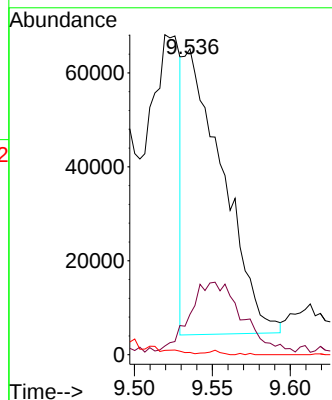
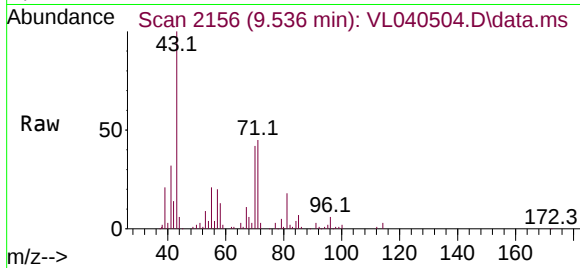




#51
2-Hexanone
Concen: 0.868 ppbv
RT: 9.536 min Scan# 2162
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

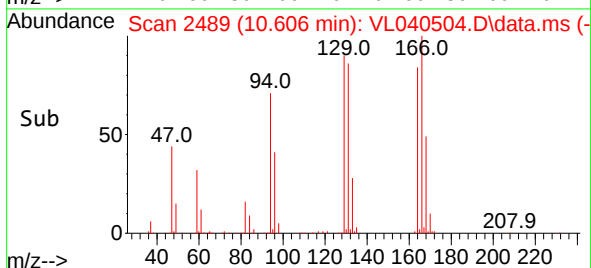
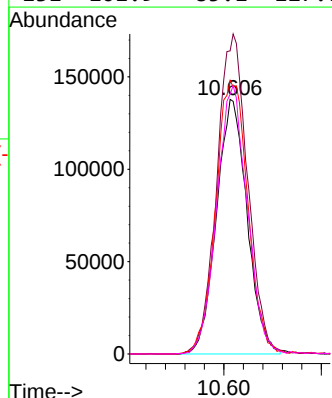
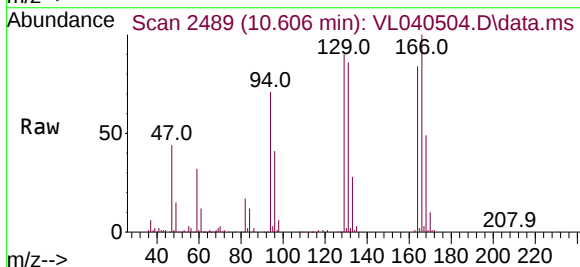
Instrument :
MSVOA_L
ClientSampleId :
SV-4

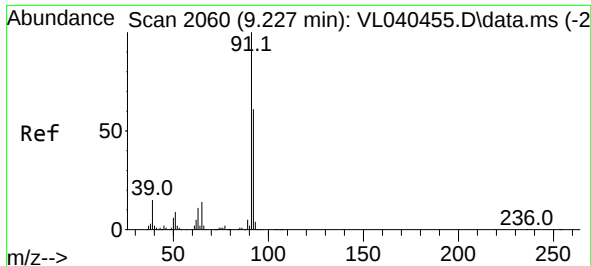
Tgt Ion: 43 Resp: 105859
Ion Ratio Lower Upper
43 100
58 38.6 37.1 55.7
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 4.407 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion:164 Resp: 299483
Ion Ratio Lower Upper
164 100
166 119.0 102.7 154.1
129 107.2 84.6 126.8
131 101.9 85.1 127.7

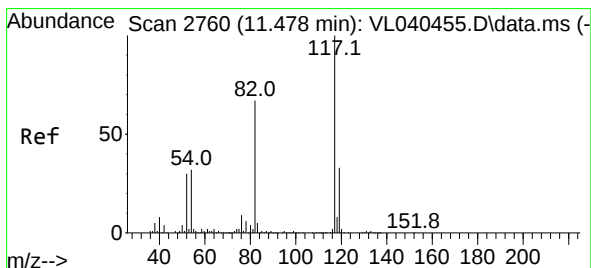
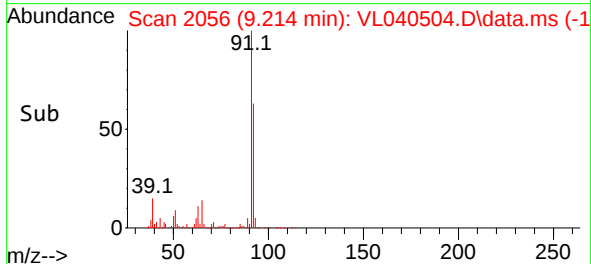
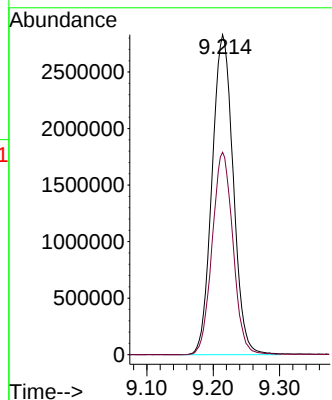
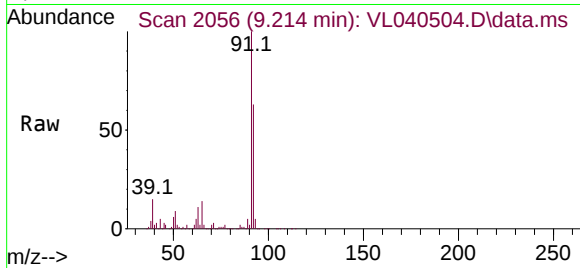




#53
Toluene
Concen: 27.498 ppbv
RT: 9.214 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

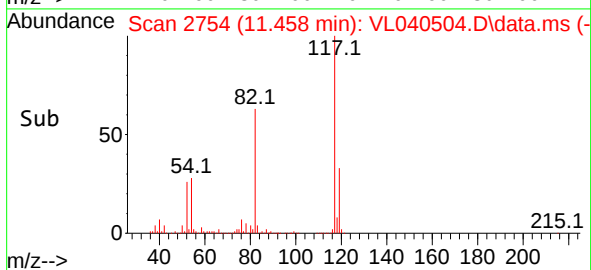
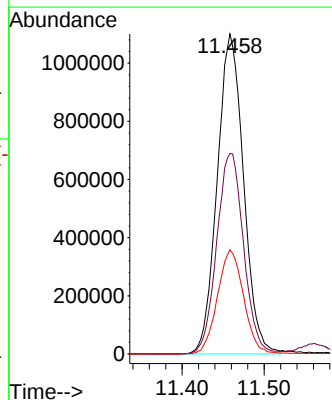
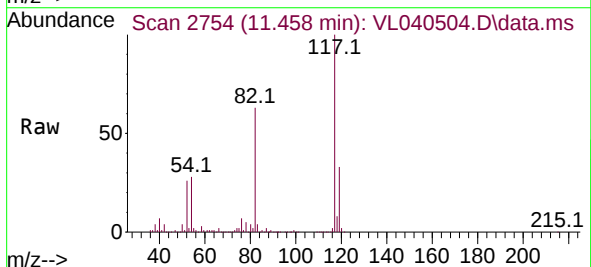
Instrument :
MSVOA_L
ClientSampleId :
SV-4

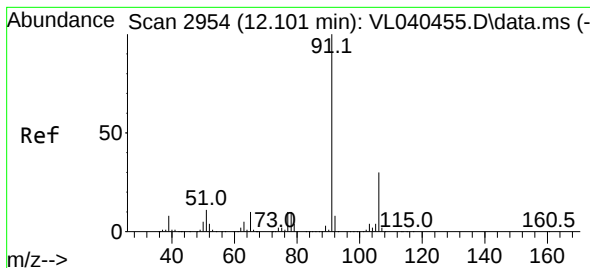
Tgt Ion: 91 Resp: 6268754
Ion Ratio Lower Upper
91 100
92 62.5 49.1 73.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 117 Resp: 2451097
Ion Ratio Lower Upper
117 100
82 64.2 53.0 79.4
119 32.7 24.4 36.6





#58

Ethyl Benzene

Concen: 10.900 ppbv

RT: 12.079 min Scan# 2954

Delta R.T. -0.023 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

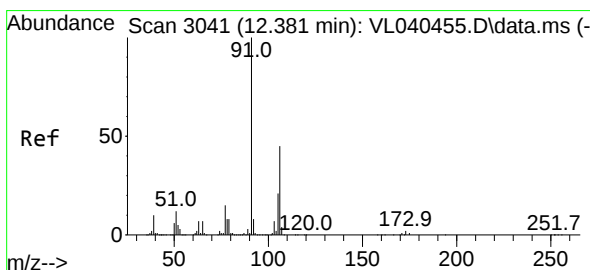
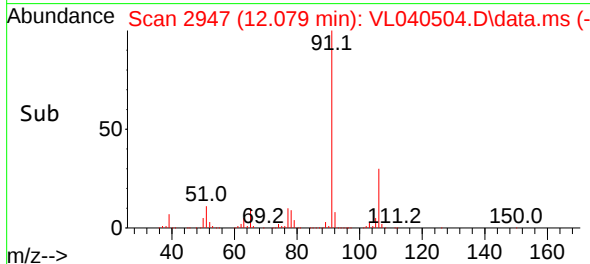
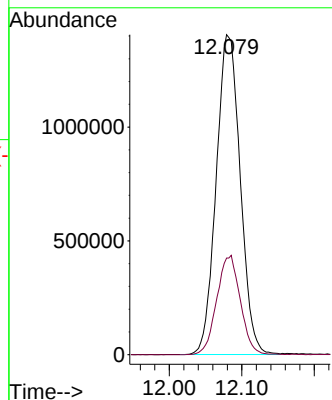
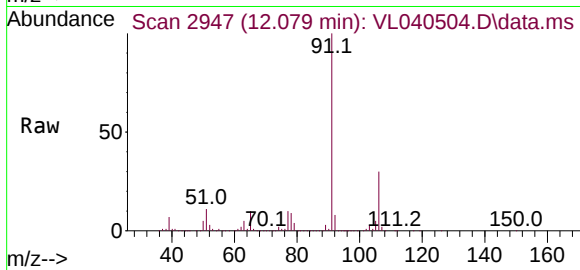
SV-4

Tgt Ion: 91 Resp: 3237195

Ion Ratio Lower Upper

91 100

106 30.2 23.7 35.5



#59

m/p-Xylene

Concen: 34.996 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. -0.042 min

Lab File: VL040504.D

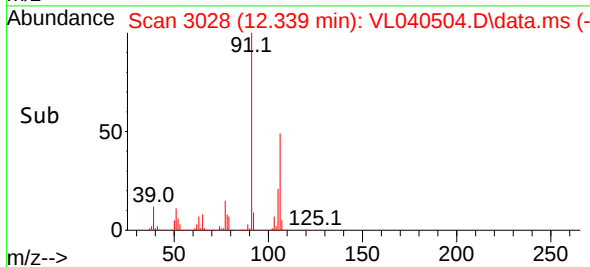
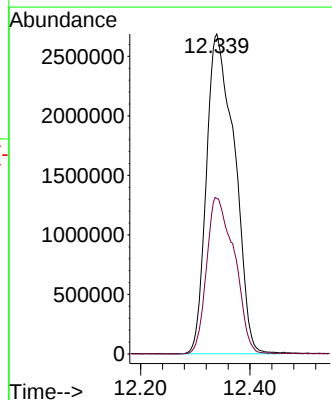
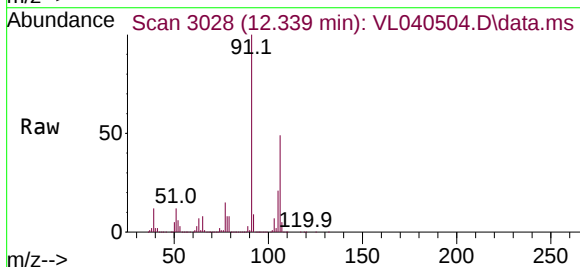
Acq: 23 Jun 2023 12:12

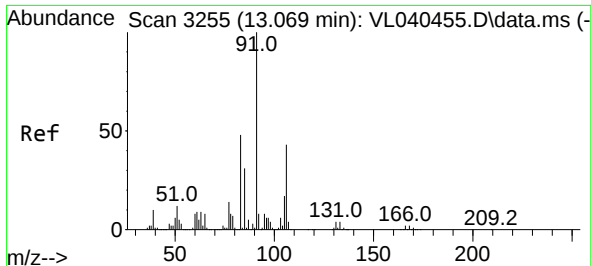
Tgt Ion: 91 Resp: 9551654

Ion Ratio Lower Upper

91 100

106 48.7 34.6 52.0

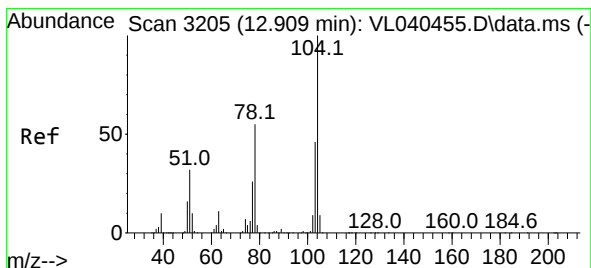
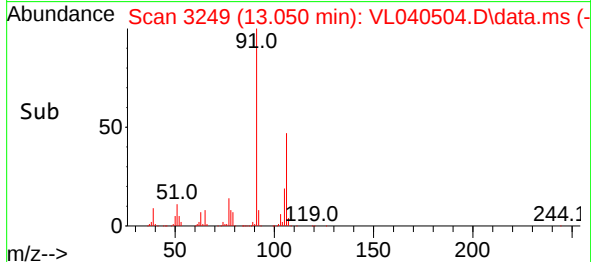
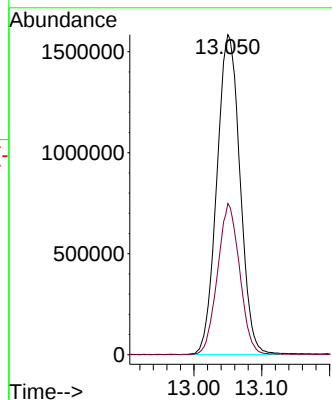
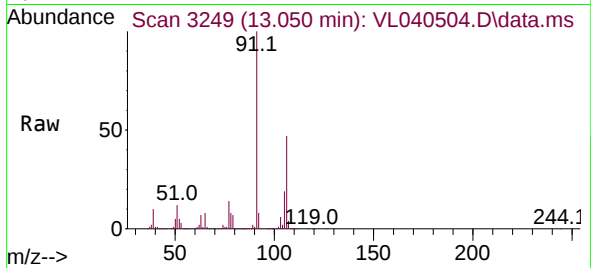




#60
o-Xylene
Concen: 14.520 ppbv
RT: 13.050 min Scan# 3199
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

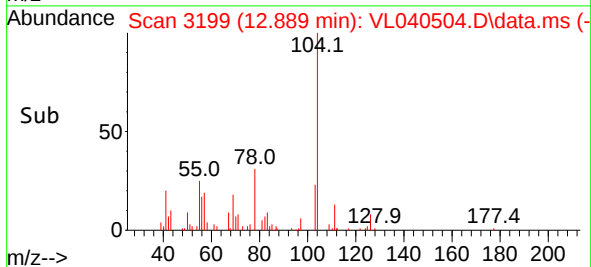
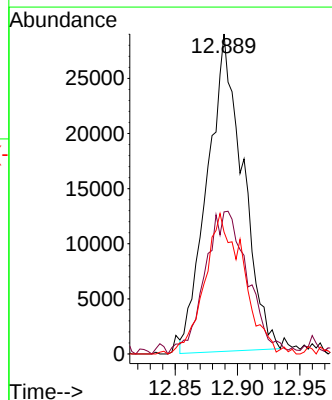
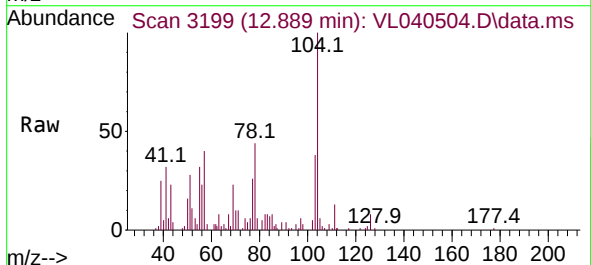
Instrument :
MSVOA_L
ClientSampleId :
SV-4

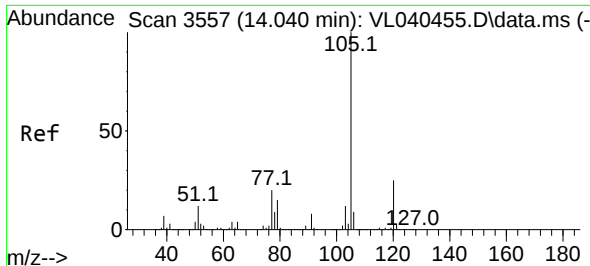
Tgt Ion: 91 Resp: 3758802
Ion Ratio Lower Upper
91 100
106 45.3 22.1 66.1



#61
Styrene
Concen: 0.512 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 104 Resp: 57067
Ion Ratio Lower Upper
104 100
78 55.4 43.1 64.7
103 48.7 37.1 55.7

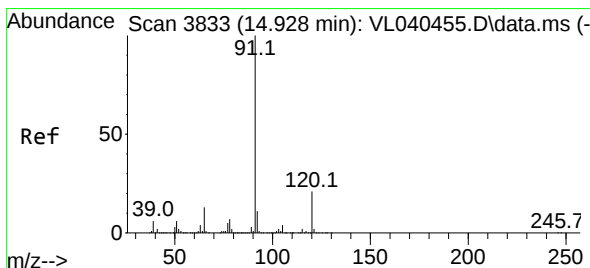
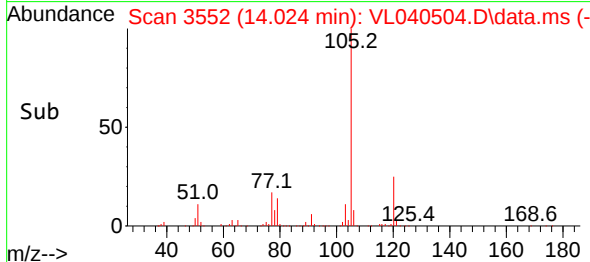
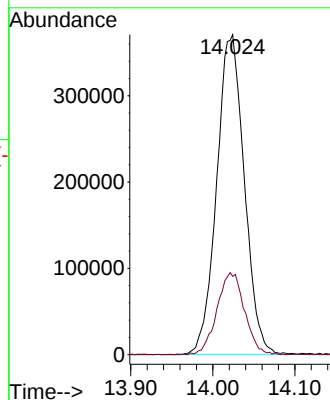
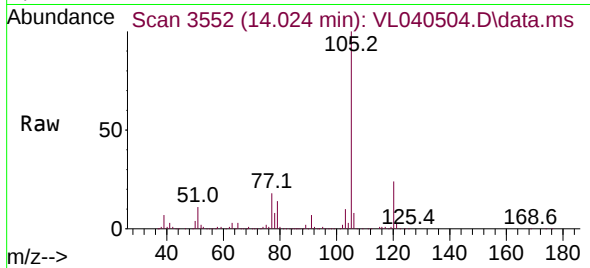




#62
Isopropylbenzene
Concen: 2.248 ppbv
RT: 14.024 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

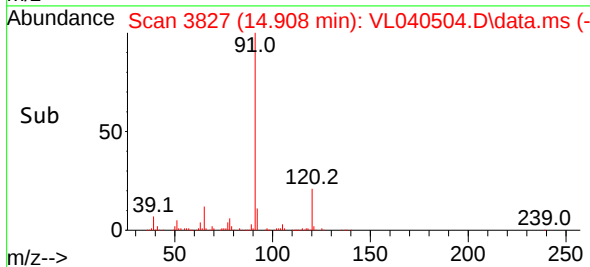
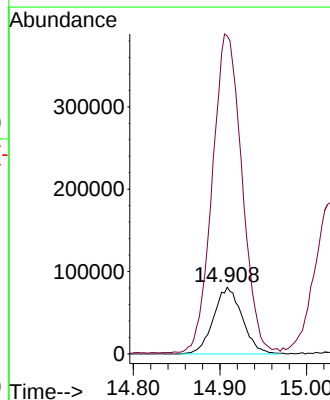
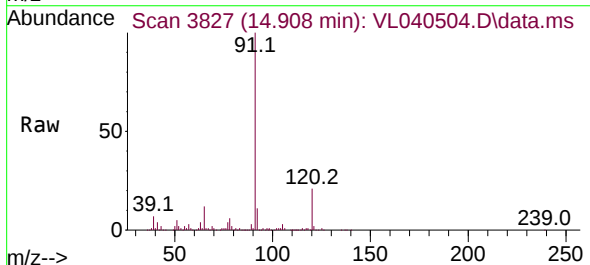
Instrument :
MSVOA_L
ClientSampleId :
SV-4

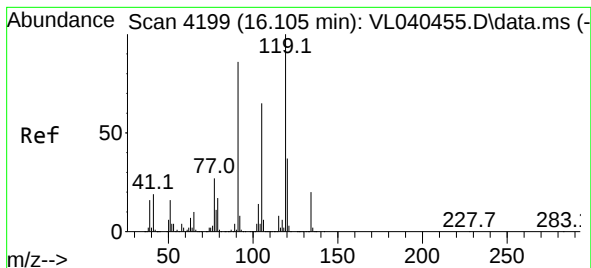
Tgt Ion:105 Resp: 865026
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.4



#64
n-propylbenzene
Concen: 1.907 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion:120 Resp: 186334
Ion Ratio Lower Upper
120 100
91 495.3 388.5 582.7

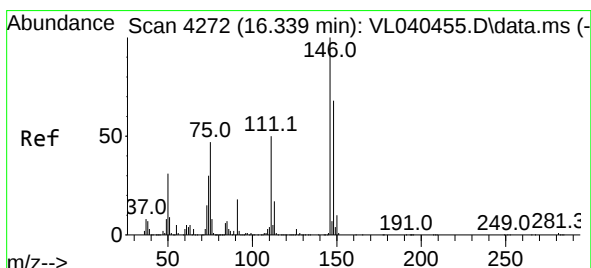
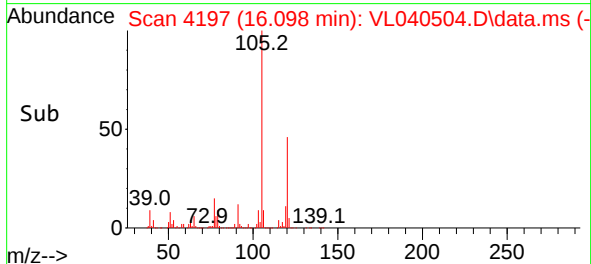
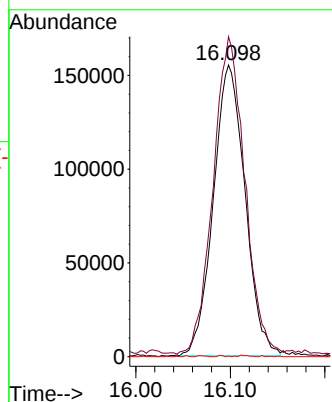
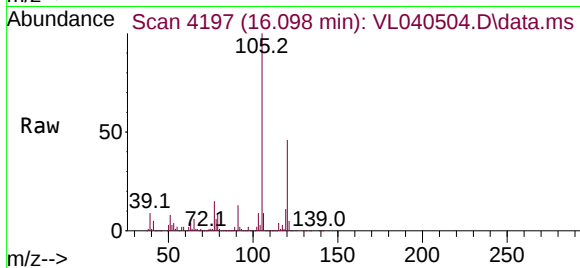




#65
tert-Butylbenzene
Concen: 1.093 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. -0.006 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

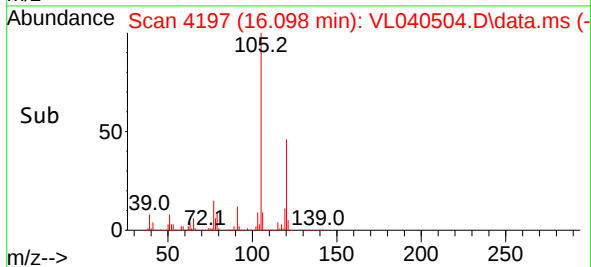
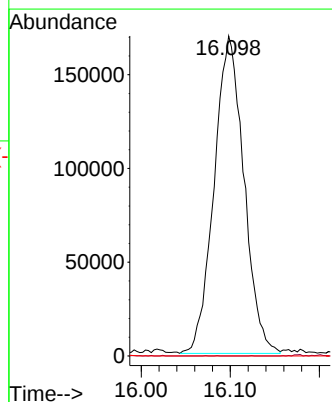
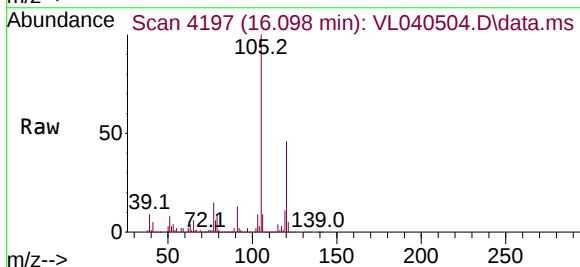
Instrument :
MSVOA_L
ClientSampleId :
SV-4

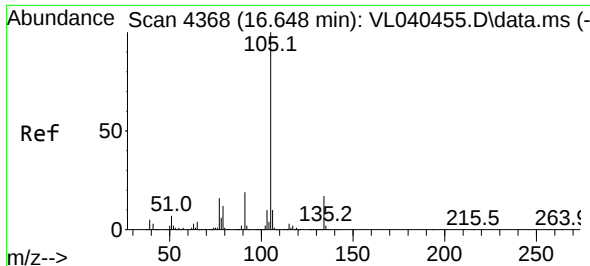
Tgt Ion:119 Resp: 360959
Ion Ratio Lower Upper
119 100
91 111.6 70.5 105.7#
134 0.2 15.6 23.4#



#66
Benzyl Chloride
Concen: 15.472 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. -0.241 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 91 Resp: 393646
Ion Ratio Lower Upper
91 100
126 0.2 13.2 19.8#
128 0.0 4.6 6.8#

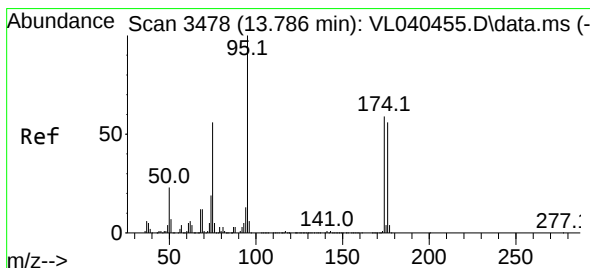
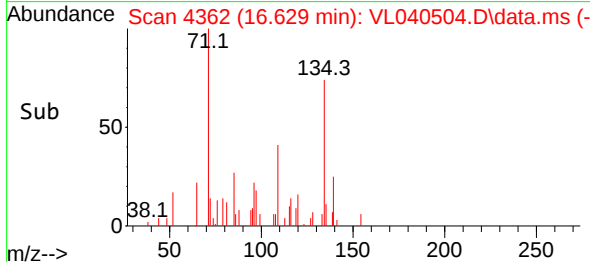
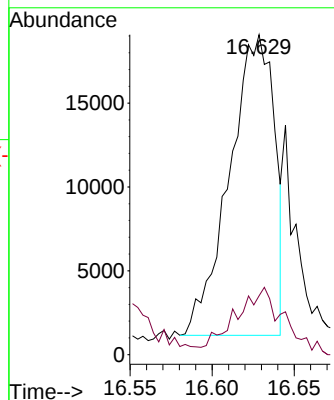
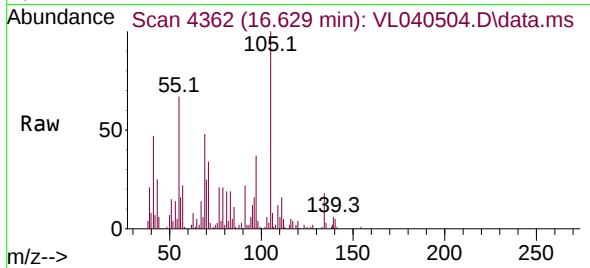




#67
 sec-Butylbenzene
 Concen: 0.071 ppbv
 RT: 16.629 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

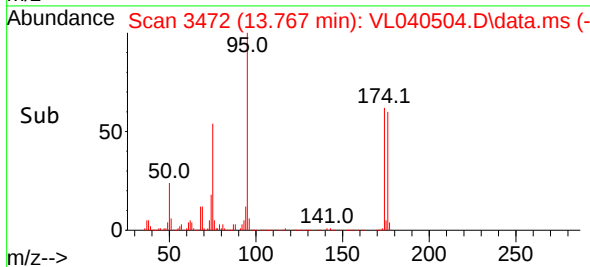
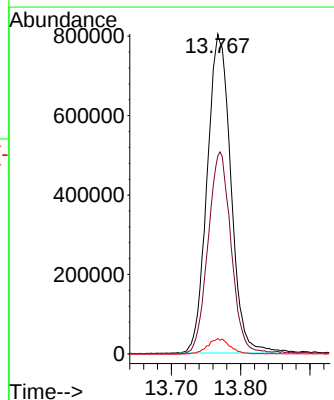
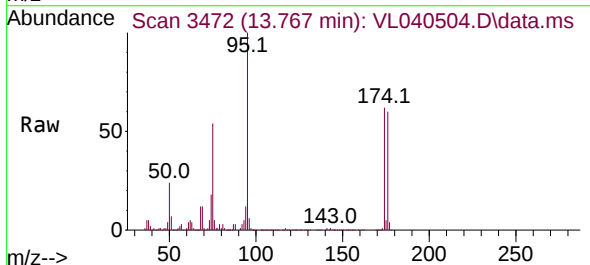
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

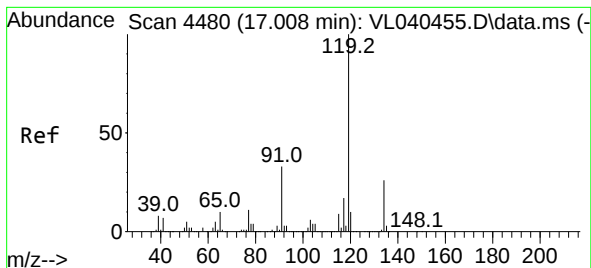
Tgt Ion:105 Resp: 34192
 Ion Ratio Lower Upper
 105 100
 134 24.6 14.0 21.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.433 ppbv
 RT: 13.767 min Scan# 3472
 Delta R.T. -0.019 min
 Lab File: VL040504.D
 Acq: 23 Jun 2023 12:12

Tgt Ion: 95 Resp: 1908202
 Ion Ratio Lower Upper
 95 100
 174 62.9 47.7 71.5
 175 4.6 3.5 5.3





#69

p-Isopropyltoluene

Concen: 0.149 ppbv

RT: 16.985 min Scan# 4480

Delta R.T. -0.023 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

SV-4

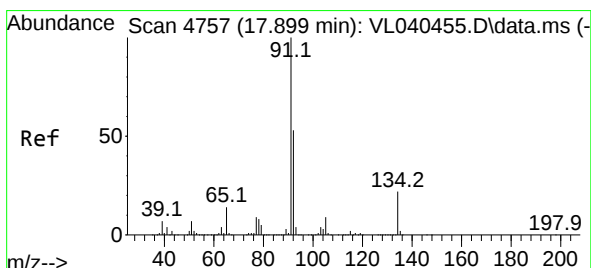
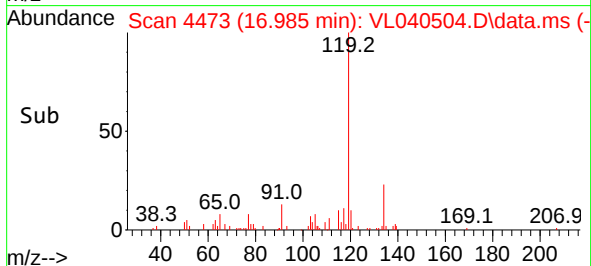
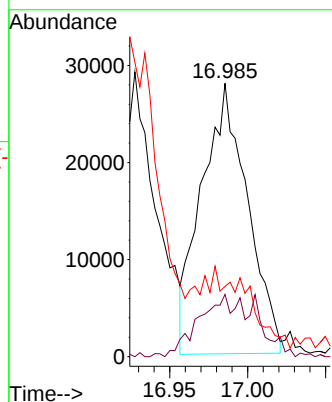
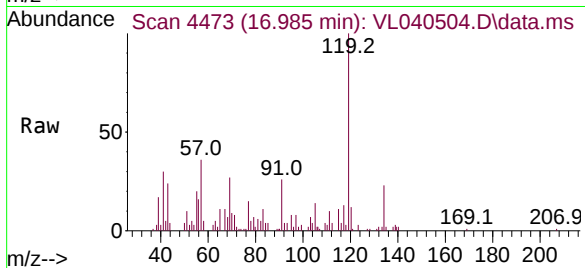
Tgt Ion:119 Resp: 57176

Ion Ratio Lower Upper

119 100

134 28.8 20.3 30.5

91 0.0 25.5 38.3#



#70

n-Butylbenzene

Concen: 0.165 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.016 min

Lab File: VL040504.D

Acq: 23 Jun 2023 12:12

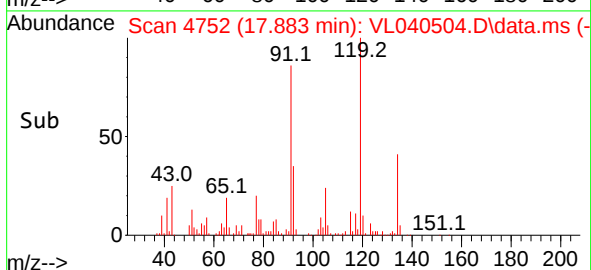
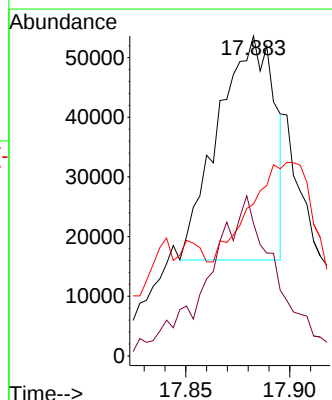
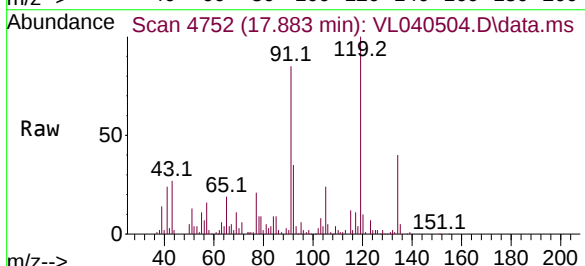
Tgt Ion: 91 Resp: 70310

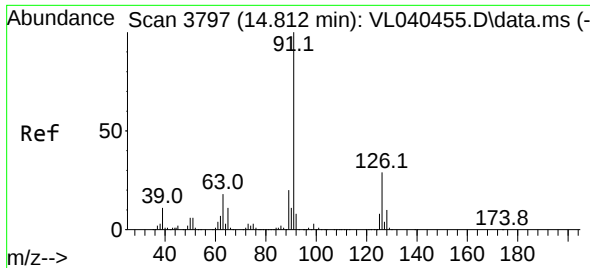
Ion Ratio Lower Upper

91 100

92 92.7 42.7 64.1#

134 135.8 16.9 25.3#

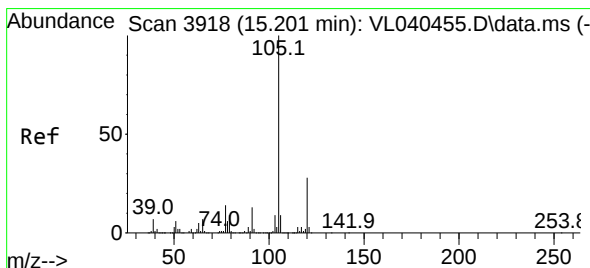
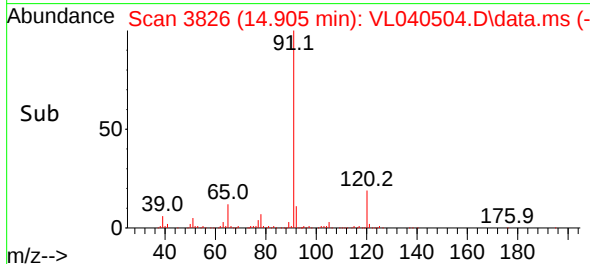
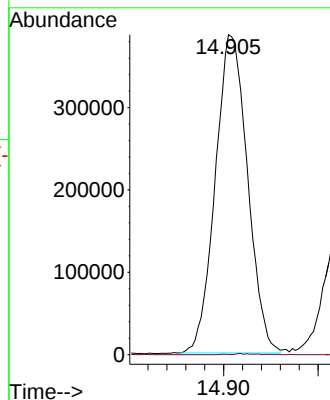
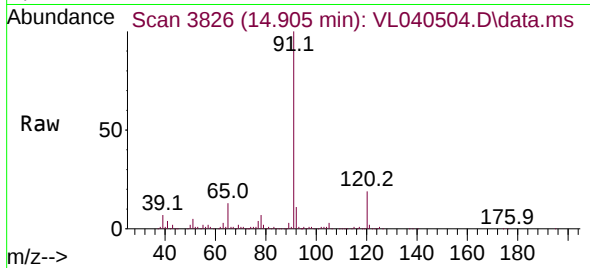




#71
2-Chlorotoluene
Concen: 3.199 ppbv
RT: 14.905 min Scan# 31
Delta R.T. 0.093 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

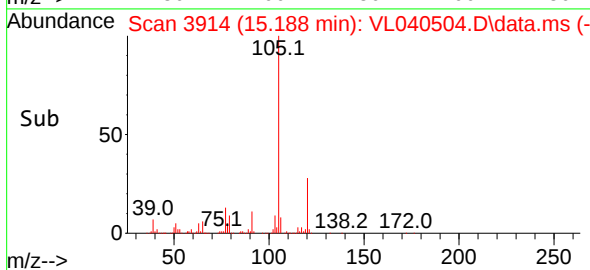
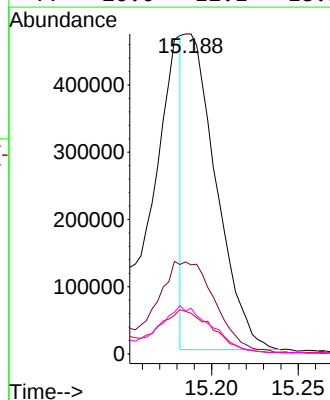
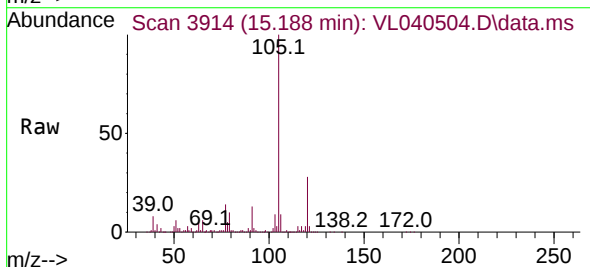
Instrument :
MSVOA_L
ClientSampleId :
SV-4

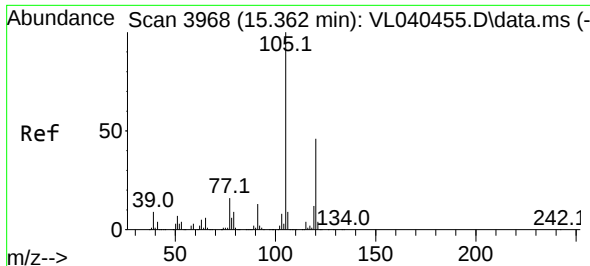
Tgt Ion: 91 Resp: 913989
Ion Ratio Lower Upper
91 100
126 0.3 12.0 48.2#



#72
4-Ethyltoluene
Concen: 2.102 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.013 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion: 105 Resp: 612919
Ion Ratio Lower Upper
105 100
120 50.8 23.4 35.0#
91 22.6 11.1 16.7#
77 26.0 12.1 18.1#

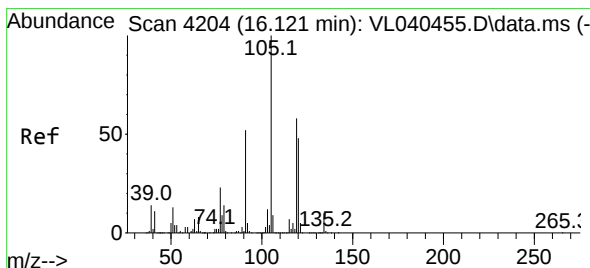
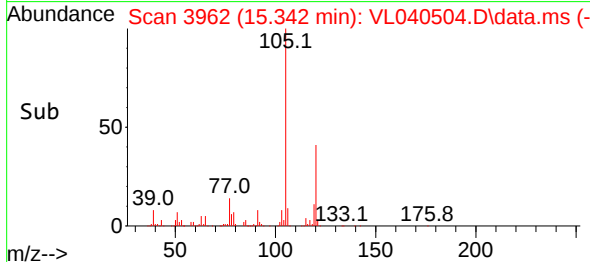
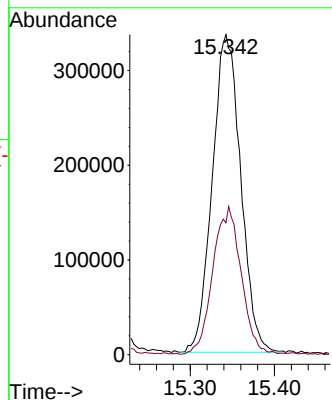
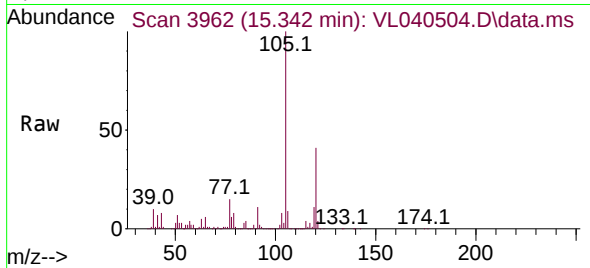




#73
1,3,5-Trimethylbenzene
Concen: 3.048 ppbv
RT: 15.342 min Scan# 3968
Delta R.T. -0.019 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

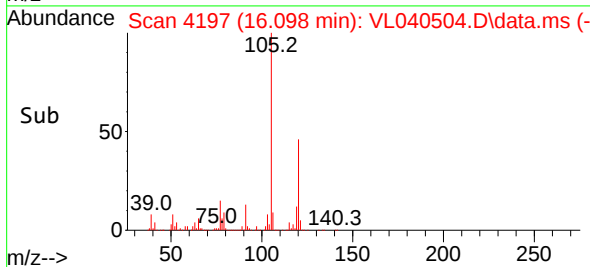
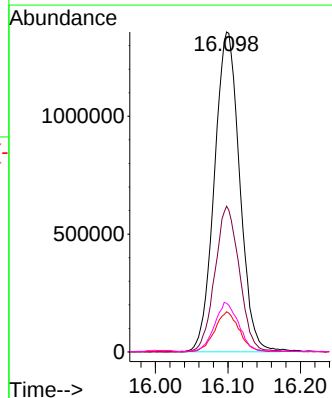
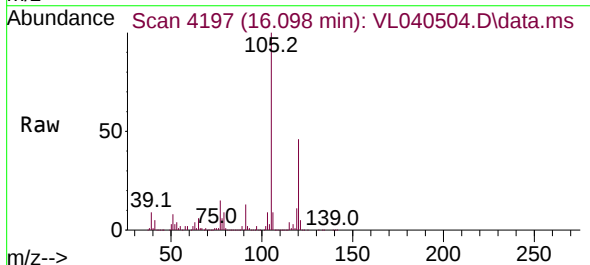
Instrument :
MSVOA_L
ClientSampleId :
SV-4

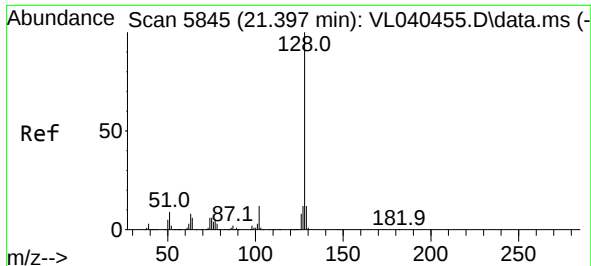
Tgt Ion:105 Resp: 785600
Ion Ratio Lower Upper
105 100
120 41.3 36.4 54.6



#74
1,2,4-Trimethylbenzene
Concen: 10.826 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. -0.023 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion:105 Resp: 3282051
Ion Ratio Lower Upper
105 100
120 45.5 38.4 57.6
91 12.4 41.3 61.9#
77 15.0 18.6 28.0#

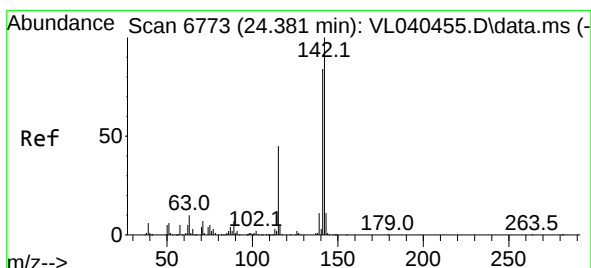
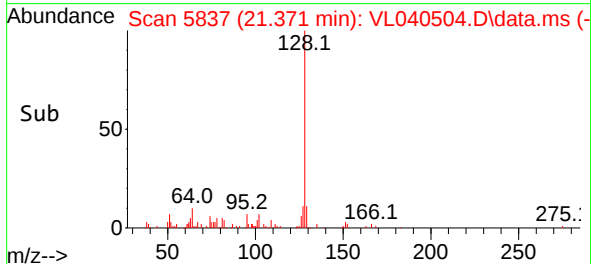
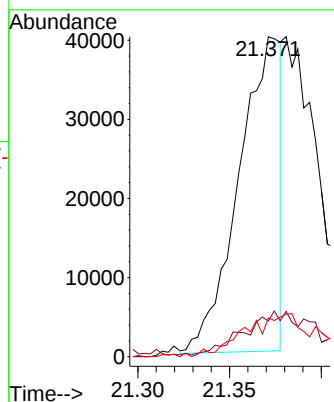
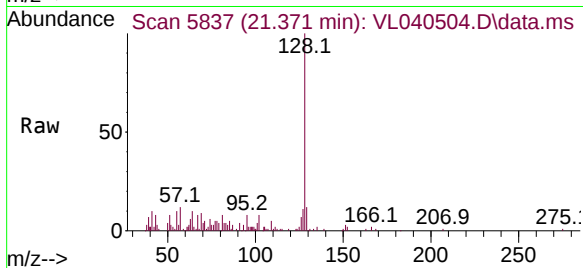




#79
Naphthalene
Concen: 0.362 ppbv
RT: 21.371 min Scan# 5837
Delta R.T. -0.026 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Tgt Ion:128 Resp: 63213
Ion Ratio Lower Upper
128 100
127 11.4 9.9 14.9
129 11.7 9.2 13.8



#80
Naphthalene,2-methyl-
Concen: 0.138 ppbv
RT: 24.368 min Scan# 6769
Delta R.T. -0.013 min
Lab File: VL040504.D
Acq: 23 Jun 2023 12:12

Tgt Ion:142 Resp: 7256
Ion Ratio Lower Upper
142 100
141 111.4 65.4 98.0#
115 75.4 36.6 55.0#

