

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041442.D
 Acq On : 29 Jul 2024 23:49
 Operator : SY/MD
 Sample : P3342-06DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:56:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1082784	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.658	114	2875417	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.468	117	2694025	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.777	95	2124478	10.247	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	105549	0.567	ppbv	93
3) Chlorodifluoromethane	2.655	51	82454	0.640	ppbv #	79
4) Chloromethane	2.819	50	53297	0.777	ppbv	95
7) Chloroethane	3.202	64	763	0.033	ppbv #	44
9) Propene	2.877	41	4804136	81.131	ppbv	98
10) Heptane	7.578	43	453144	3.406	ppbv	99
11) Trichlorofluoromethane	3.571	101	37327	0.226	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	6507	0.055	ppbv	84
13) Ethanol	3.250	45	2462622	465.312	ppbv	97
15) Acetone	3.472	43	1607741	13.068	ppbv #	43
16) 1,3-Butadiene	2.970	39	48954	0.745	ppbv #	10
17) tert-Butyl alcohol	3.899	59	80849	0.721	ppbv #	72
19) Isopropyl Alcohol	3.591	45	2664788	37.050	ppbv	99
20) Methylene Chloride	3.938	84	909107	19.816	ppbv	99
21) Allyl Chloride	3.960	41	268587	3.329	ppbv #	62
23) Vinyl Acetate	4.616	43	871302	9.273	ppbv #	1
25) Ethyl Acetate	5.214	43	2405163	9.841	ppbv #	91
26) Hexane	5.218	57	2280287	22.491	ppbv #	51
27) Carbon Disulfide	4.128	76	28759	0.242	ppbv #	67
30) Cyclohexane	6.607	84	181583	2.199	ppbv	91
31) cis-1,2-Dichloroethene	5.202	61	112437	1.123	ppbv #	24
34) 2-Butanone	4.790	43	388536	2.793	ppbv	95
35) Carbon Tetrachloride	6.494	117	6537	0.041	ppbv	91
36) Benzene	6.372	78	980012	4.664	ppbv	98
37) 1,2-Dichloroethane	5.806	62	24309	0.207	ppbv #	81
39) 1,2-Dichloropropane	6.655	63	704788	8.762	ppbv #	25
41) Tetrahydrofuran	5.562	42	127295	1.600	ppbv	93
42) Bromodichloromethane	7.253	83	21744	0.128	ppbv #	30
43) Methyl Methacrylate	7.478	69	27205	0.361	ppbv #	51
44) 2,2,4-Trimethylpentane	7.327	57	1210107	3.448	ppbv #	85
50) 4-Methyl-2-Pentanone	8.192	43	31528	0.144	ppbv #	40
51) 2-Hexanone	9.533	43	43055	0.259	ppbv #	55
53) Toluene	9.224	91	4673657	19.970	ppbv	99
58) Ethyl Benzene	12.089	91	944505	3.042	ppbv	100
59) m/p-Xylene	12.343	91	1819188	6.787	ppbv	97
60) o-Xylene	13.057	91	675630	2.664	ppbv	99
61) Styrene	12.896	104	488871	4.273	ppbv	99
62) Isopropylbenzene	14.031	105	22456	0.058	ppbv #	49
64) n-propylbenzene	14.925	120	6687	0.066	ppbv #	1
65) tert-Butylbenzene	16.105	119	16233	0.047	ppbv #	20
67) sec-Butylbenzene	16.928	105	57825	0.121	ppbv	97
69) p-Isopropyltoluene	16.999	119	15235	0.038	ppbv #	11
71) 2-Chlorotoluene	14.918	91	86676	0.305	ppbv #	43

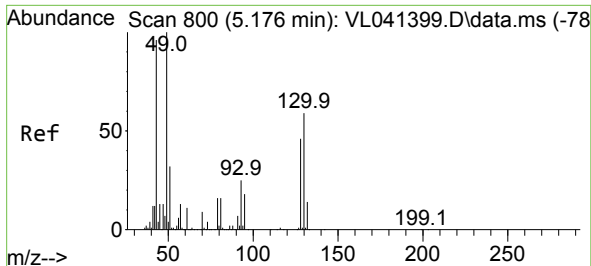
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041442.D
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Quant Time: Jul 30 02:56:14 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.195	105	49081	0.164	ppbv #	60
73) 1,3,5-Trimethylbenzene	15.355	105	27499	0.107	ppbv	91
74) 1,2,4-Trimethylbenzene	16.108	105	257902	0.863	ppbv #	70

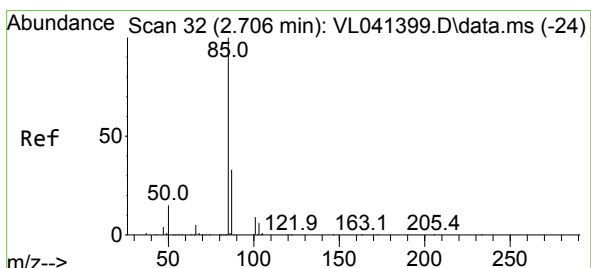
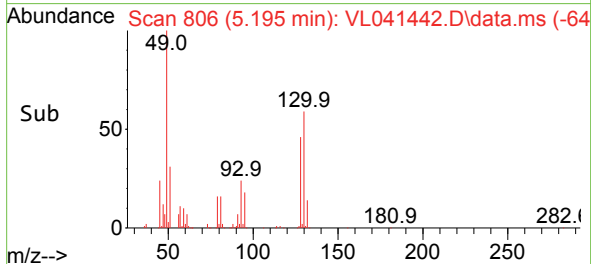
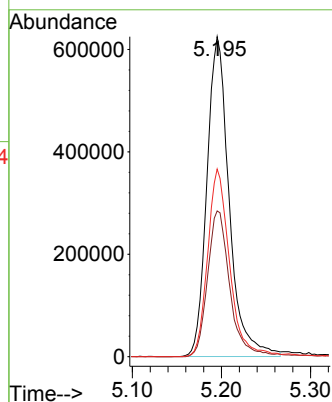
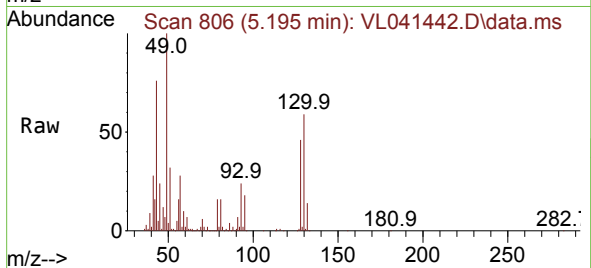
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

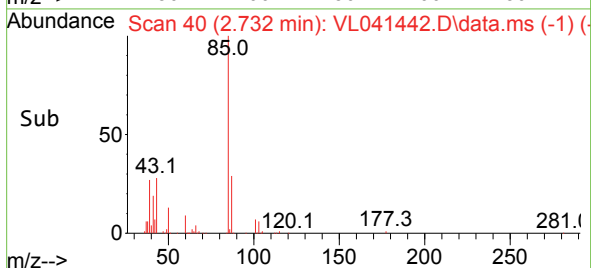
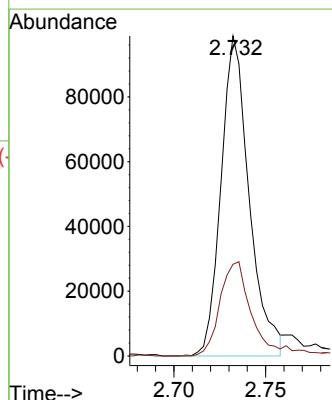
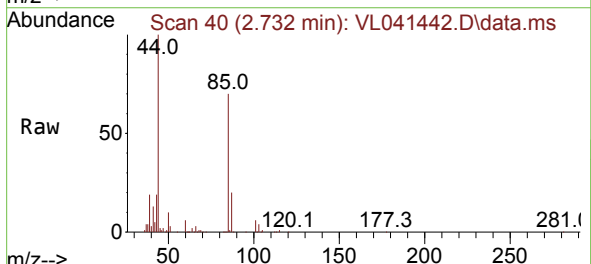
Instrument :
MSVOA_L
ClientSampleId :

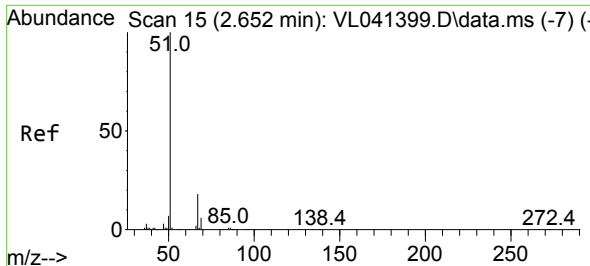
Tgt Ion: 49 Resp: 1082784
Ion Ratio Lower Upper
49 100
128 46.5 23.8 71.4
130 59.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.567 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.023 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 85 Resp: 105549
Ion Ratio Lower Upper
85 100
87 28.6 26.0 39.0

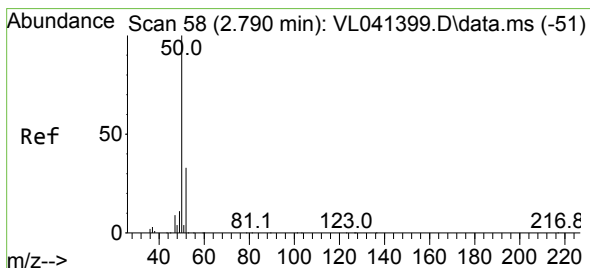
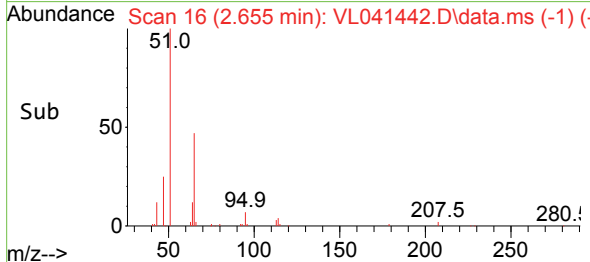
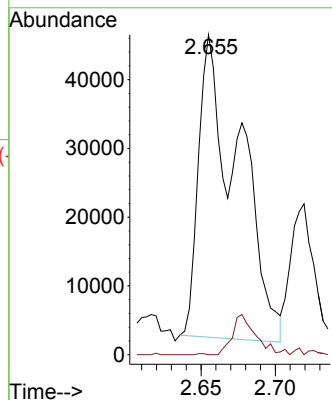
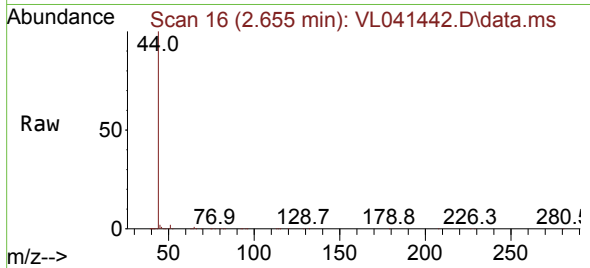




#3
Chlorodifluoromethane
Concen: 0.640 ppbv
RT: 2.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

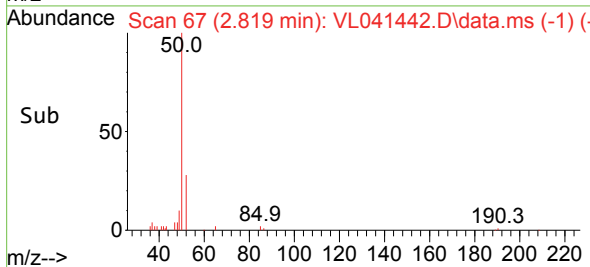
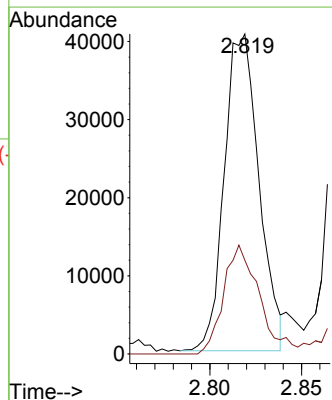
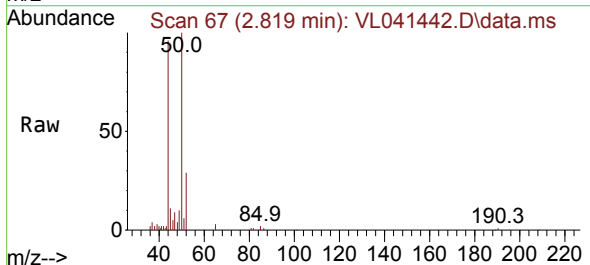
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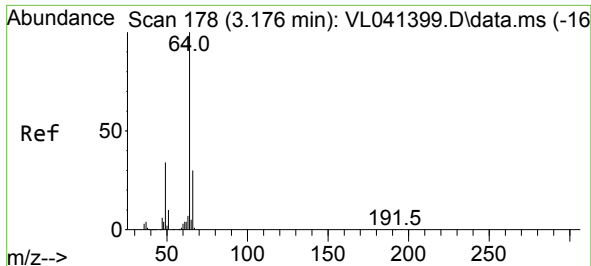
Tgt Ion: 51 Resp: 82454
Ion Ratio Lower Upper
51 100
67 8.9 14.5 21.7#



#4
Chloromethane
Concen: 0.777 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.026 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 50 Resp: 53297
Ion Ratio Lower Upper
50 100
52 29.6 26.1 39.1

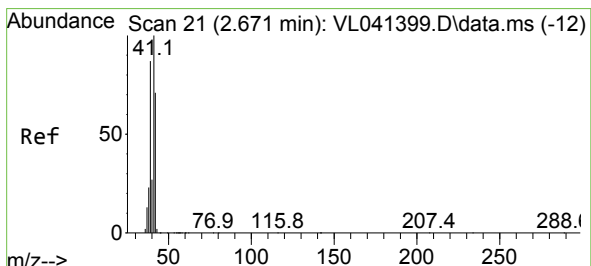
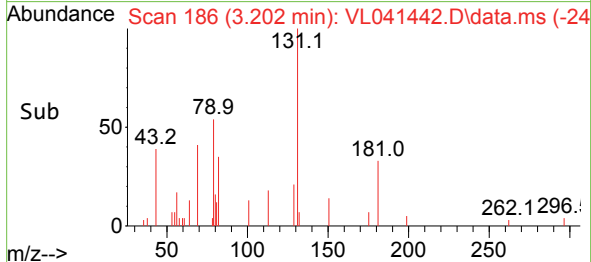
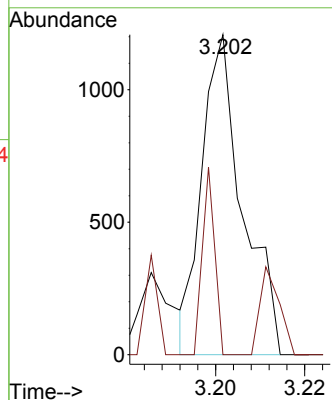
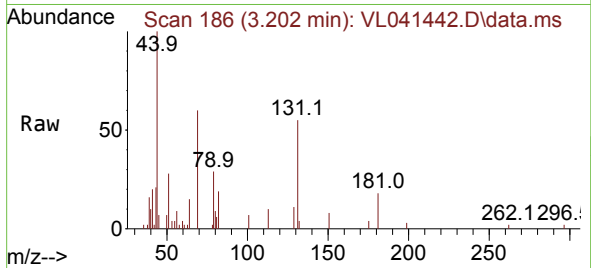




#7
Chloroethane
Concen: 0.033 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

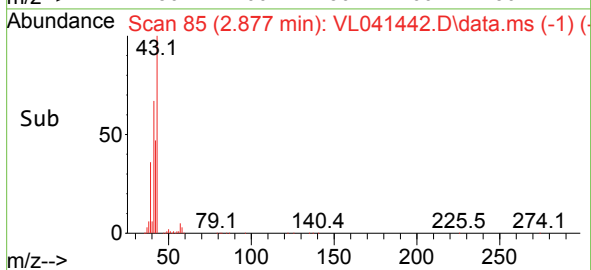
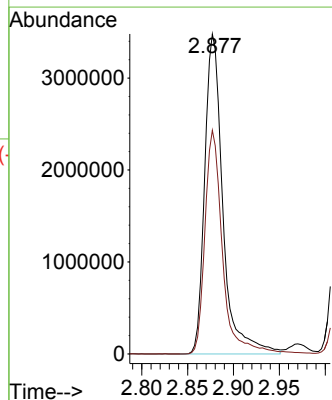
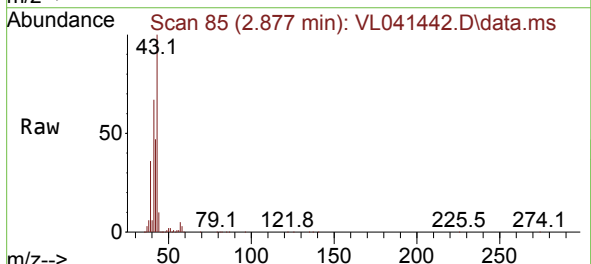
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MSVOA_L
ClientSampleId :

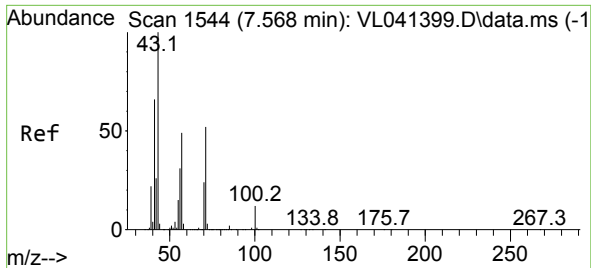
Tgt Ion: 64 Resp: 763
Ion Ratio Lower Upper
64 100
66 0.0 24.2 36.2#



#9
Propene
Concen: 81.131 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.206 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 41 Resp: 4804136
Ion Ratio Lower Upper
41 100
42 67.9 55.9 83.9

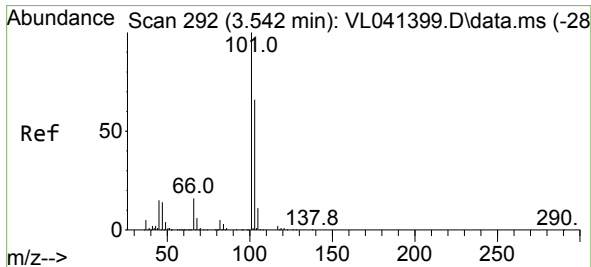
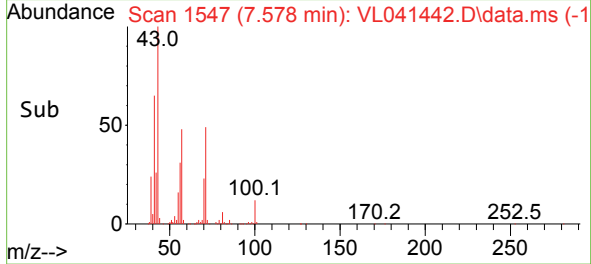
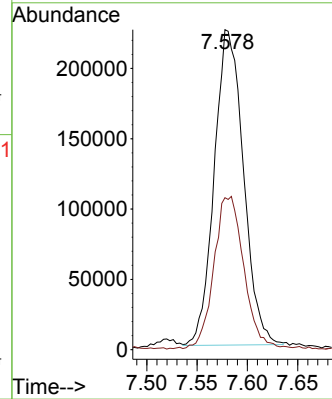
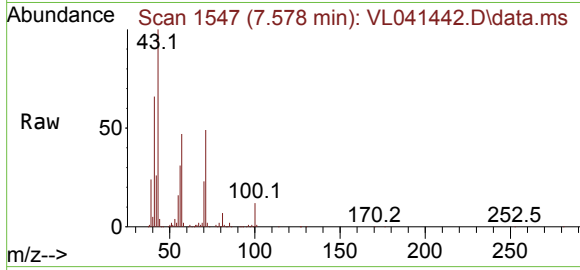




#10
 Heptane
 Concen: 3.406 ppbv
 RT: 7.578 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VL041442.D
 Acq: 29 Jul 2024 23:49

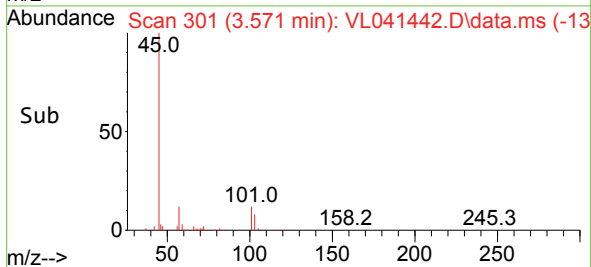
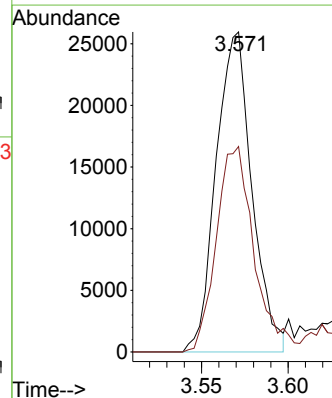
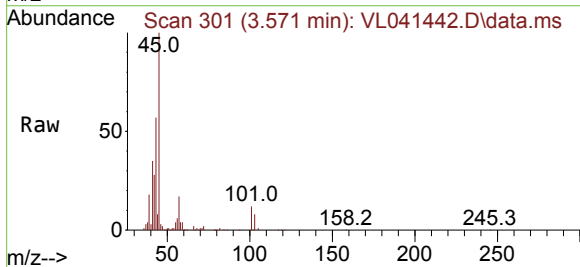
Instrument :
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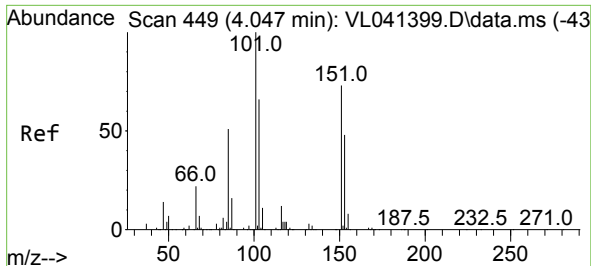
Tgt Ion: 43 Resp: 453144
 Ion Ratio Lower Upper
 43 100
 57 50.1 40.5 60.7



#11
 Trichlorofluoromethane
 Concen: 0.226 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. 0.026 min
 Lab File: VL041442.D
 Acq: 29 Jul 2024 23:49

Tgt Ion:101 Resp: 37327
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.6 79.0

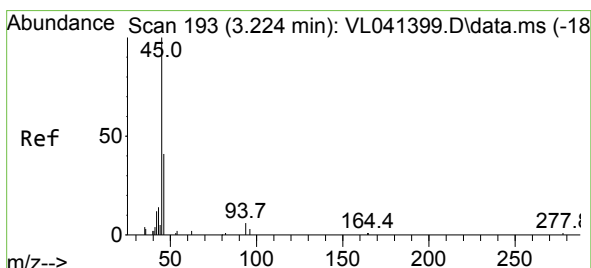
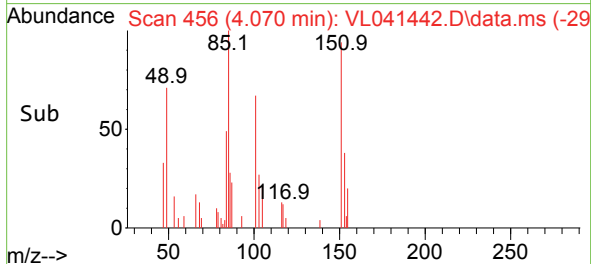
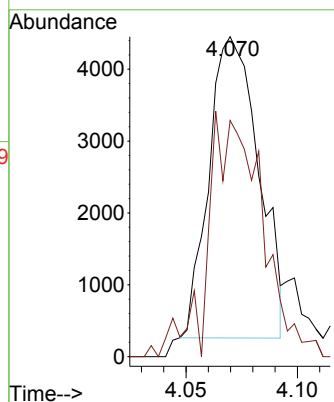
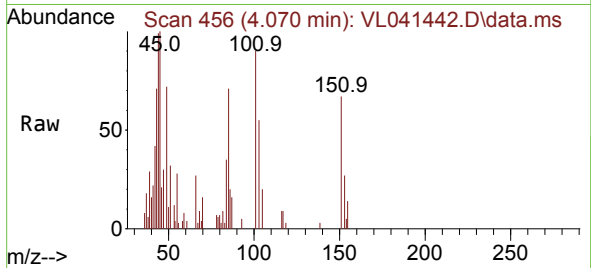




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.055 ppbv
RT: 4.070 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

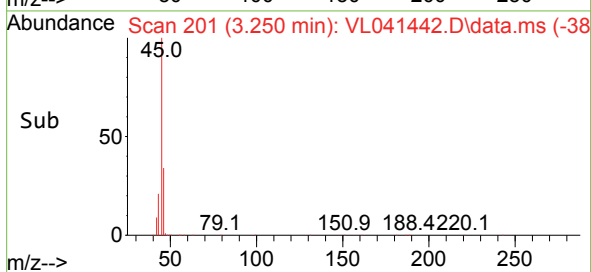
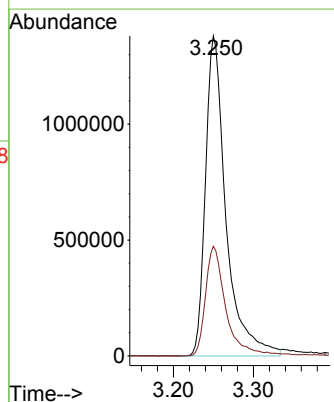
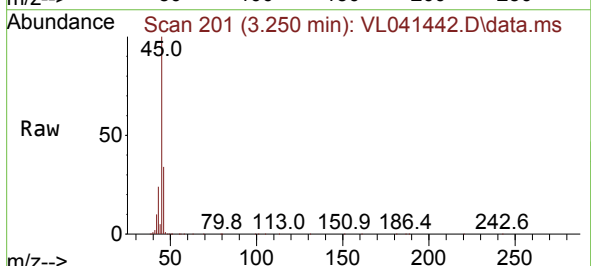
Instrument :
MSVOA_L
ClientSampleId :

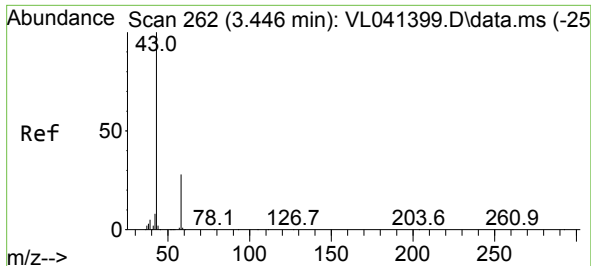
Tgt Ion:101 Resp: 6507
Ion Ratio Lower Upper
101 100
151 87.9 59.4 89.2



#13
Ethanol
Concen: 465.312 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.023 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 45 Resp: 2462622
Ion Ratio Lower Upper
45 100
46 35.4 13.4 53.4

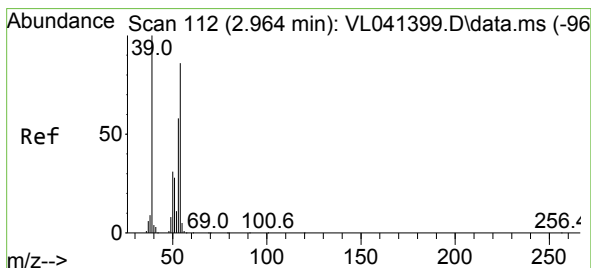
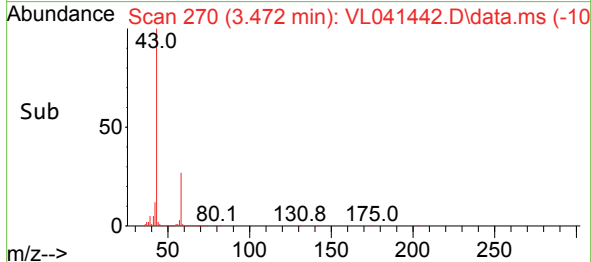
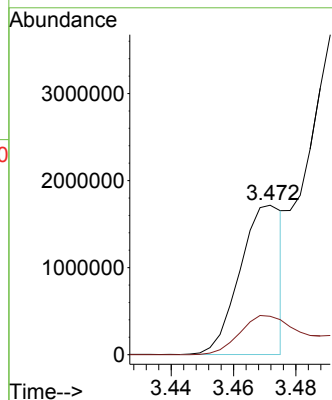
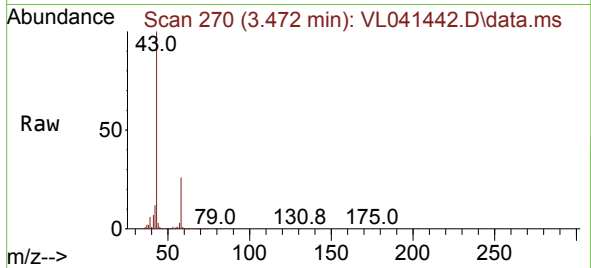




#15
Acetone
Concen: 13.068 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

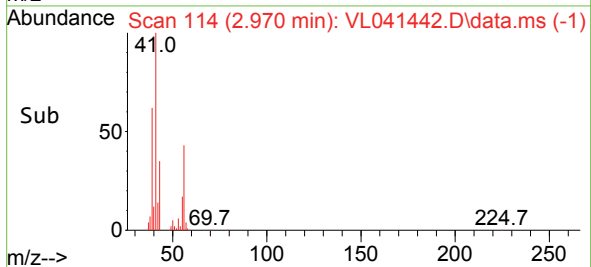
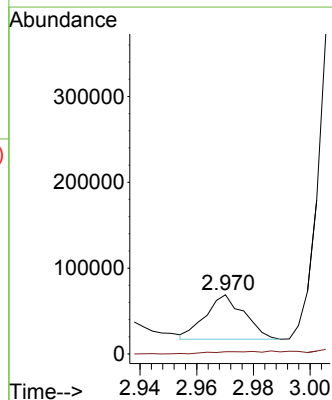
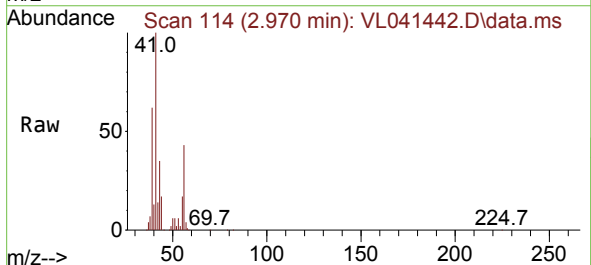
Instrument :
MSVOA_L
ClientSampleId :

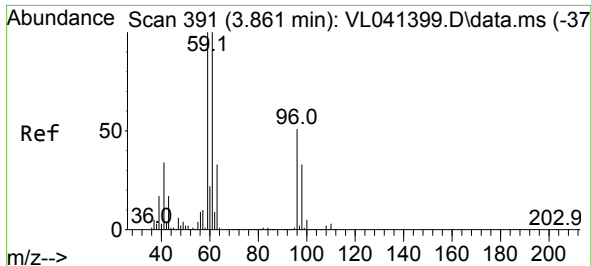
Tgt Ion: 43 Resp: 1607741
Ion Ratio Lower Upper
43 100
58 56.4 21.4 32.2#



#16
1,3-Butadiene
Concen: 0.745 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 39 Resp: 48954
Ion Ratio Lower Upper
39 100
54 0.0 62.5 93.7#

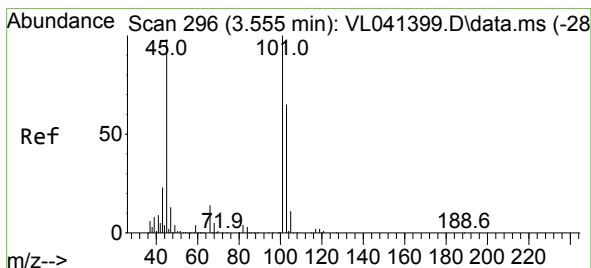
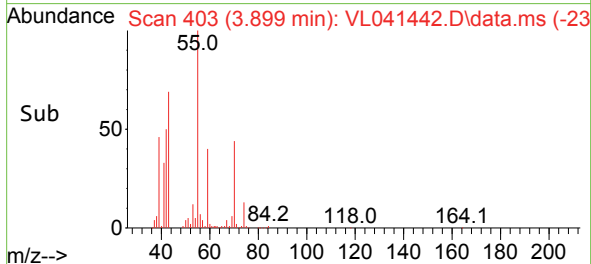
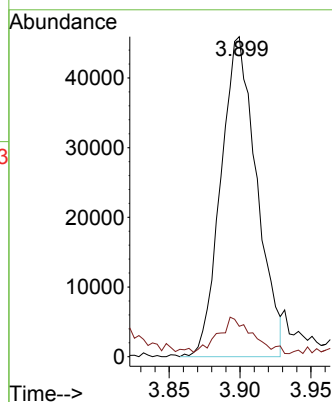
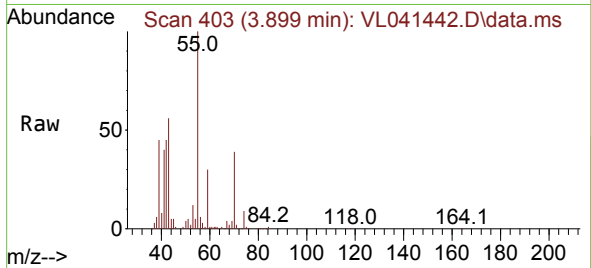




#17
tert-Butyl alcohol
Concen: 0.721 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.039 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

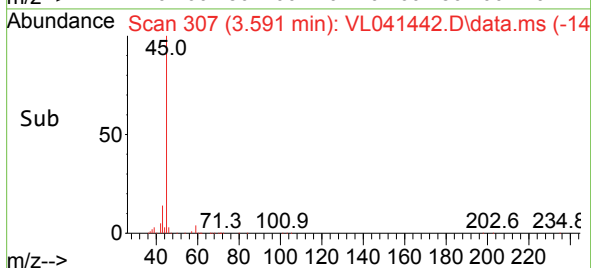
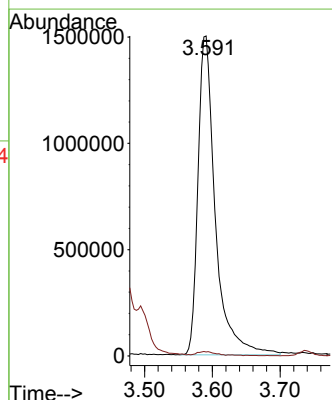
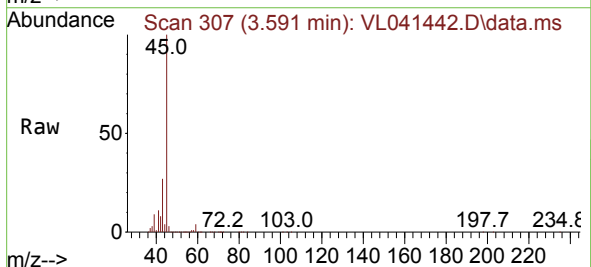
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ClientSampleId :

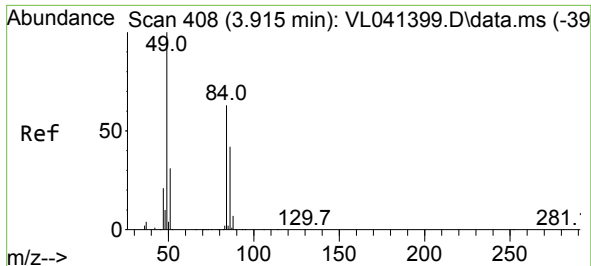
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Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 37.050 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.029 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

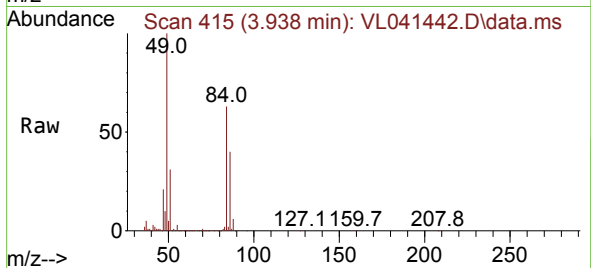
Tgt Ion: 45 Resp: 2664788
Ion Ratio Lower Upper
45 100
58 2.0 1.9 2.9



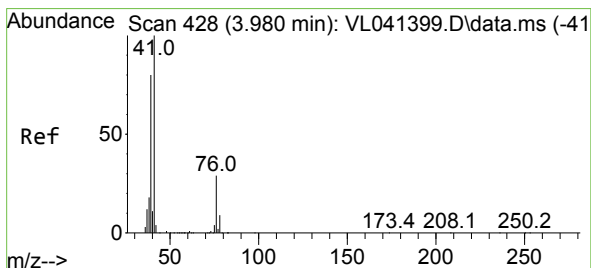
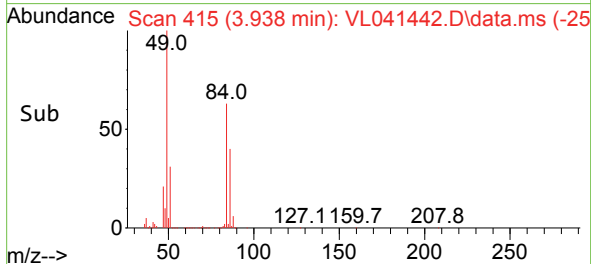
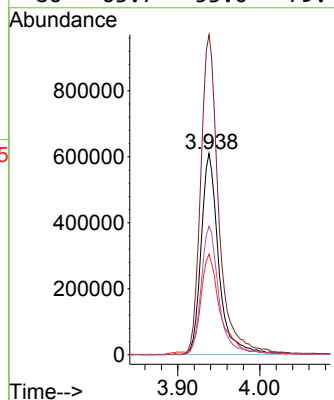


#20
Methylene Chloride
Concen: 19.816 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Instrument :
MSVOA_L
ClientSampleId :

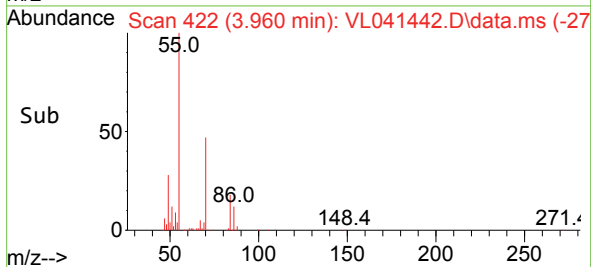
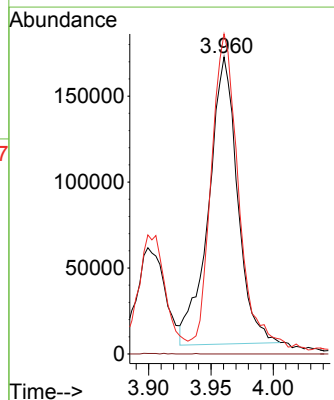
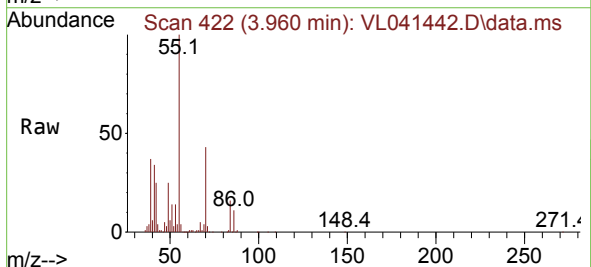


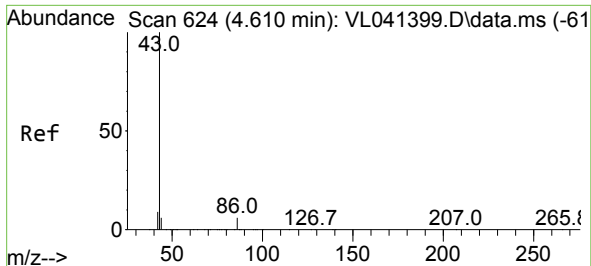
Tgt Ion: 84 Resp: 909107
Ion Ratio Lower Upper
84 100
49 158.9 126.6 190.0
51 49.5 38.6 58.0
86 63.7 53.0 79.4



#21
Allyl Chloride
Concen: 3.329 ppbv
RT: 3.960 min Scan# 422
Delta R.T. -0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

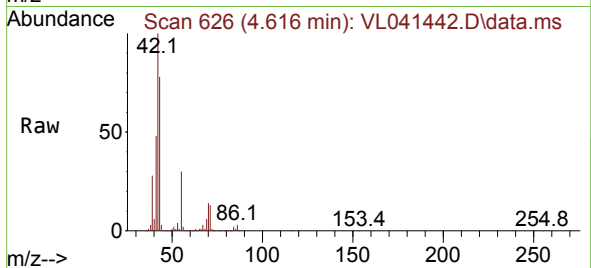
Tgt Ion: 41 Resp: 268587
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 108.4 64.3 96.5#





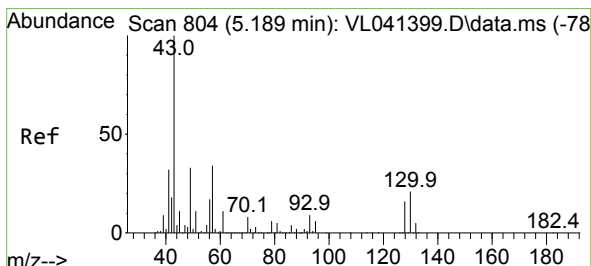
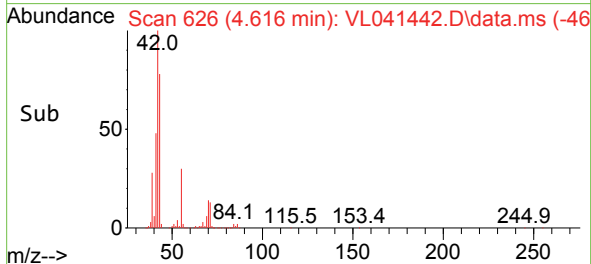
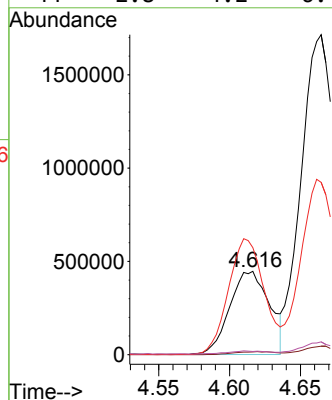
#23
 Vinyl Acetate
 Concen: 9.273 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041442.D
 Acq: 29 Jul 2024 23:49

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 871302

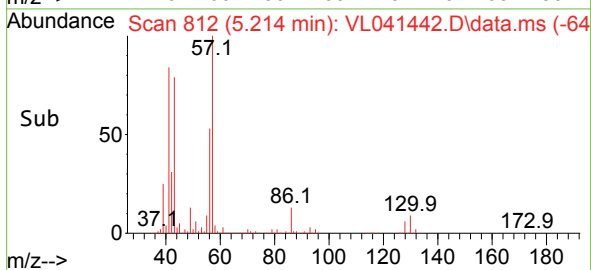
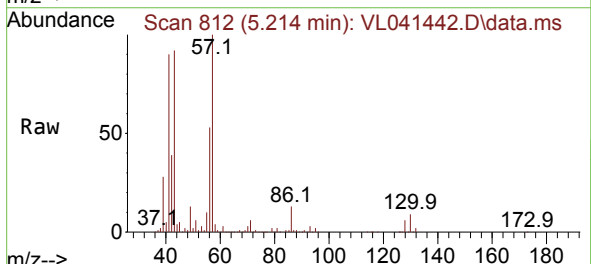
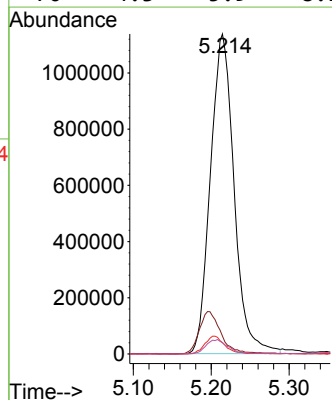
Ion	Ratio	Lower	Upper
43	100		
86	3.3	4.6	6.8#
42	128.7	7.9	11.9#
44	2.8	4.2	6.4#

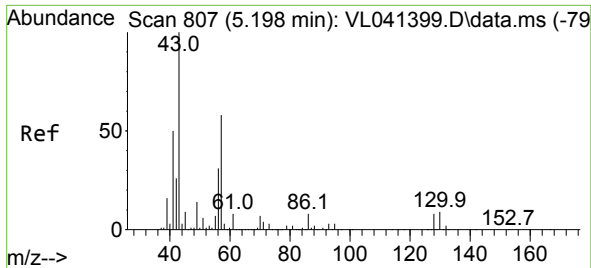


#25
 Ethyl Acetate
 Concen: 9.841 ppbv
 RT: 5.214 min Scan# 812
 Delta R.T. 0.023 min
 Lab File: VL041442.D
 Acq: 29 Jul 2024 23:49

Tgt Ion: 43 Resp: 2405163

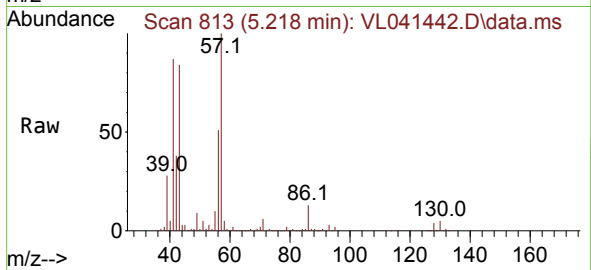
Ion	Ratio	Lower	Upper
43	100		
45	12.5	8.5	12.7
61	4.9	8.0	12.0#
70	4.3	5.9	8.9#





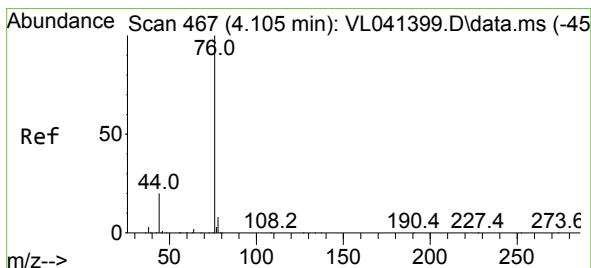
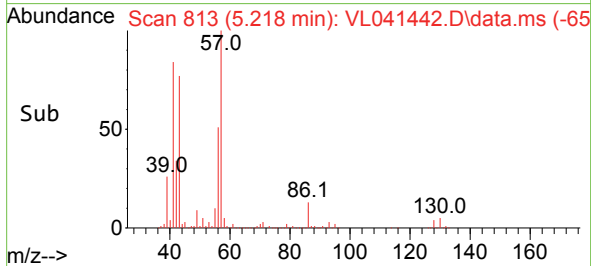
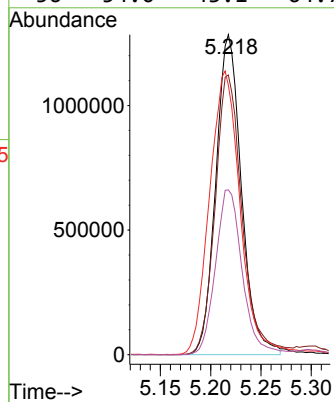
#26
Hexane
Concen: 22.491 ppbv
RT: 5.218 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 2280287

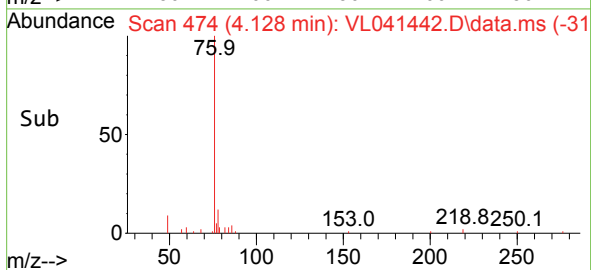
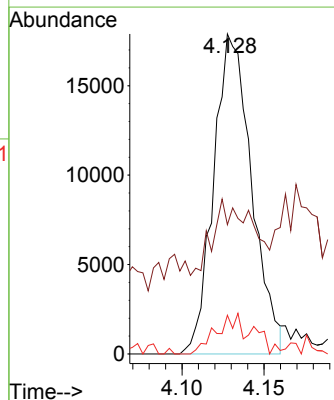
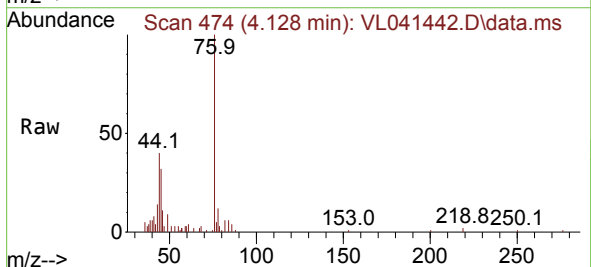
Ion	Ratio	Lower	Upper
57	100		
41	92.3	74.0	111.0
43	106.7	193.6	290.4#
56	54.0	43.1	64.7

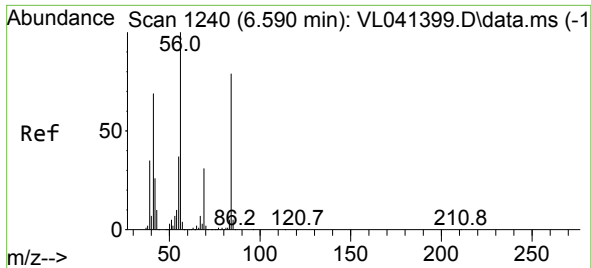


#27
Carbon Disulfide
Concen: 0.242 ppbv
RT: 4.128 min Scan# 474
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 76 Resp: 28759

Ion	Ratio	Lower	Upper
76	100		
44	38.9	15.6	23.4#
78	14.3	7.7	11.5#

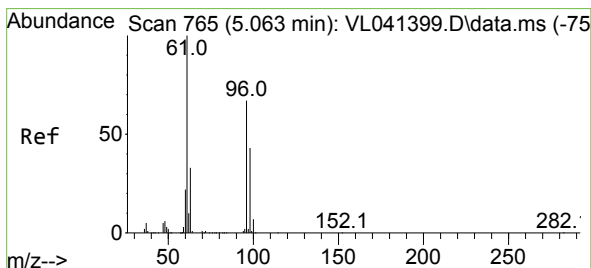
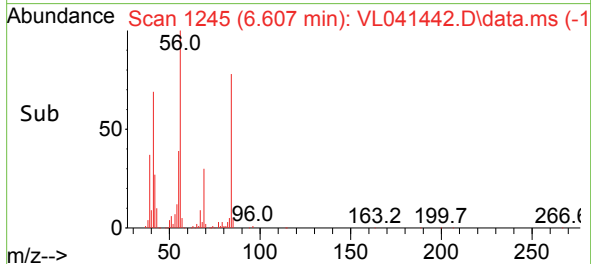
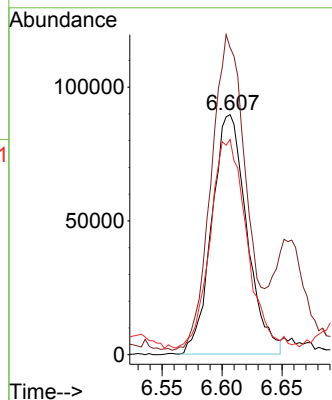
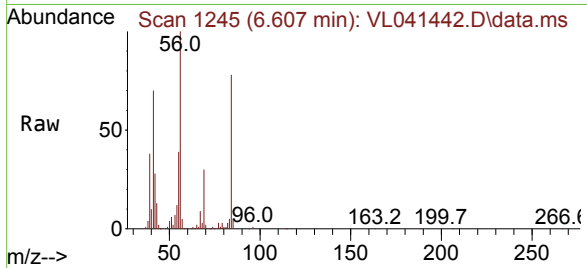




#30
Cyclohexane
Concen: 2.199 ppbv
RT: 6.607 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

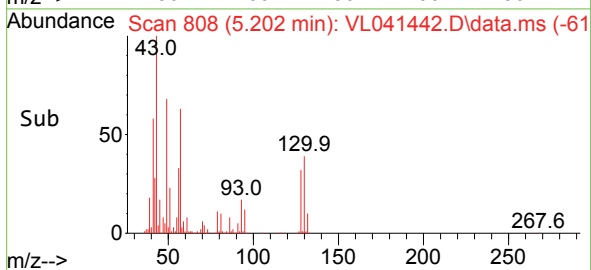
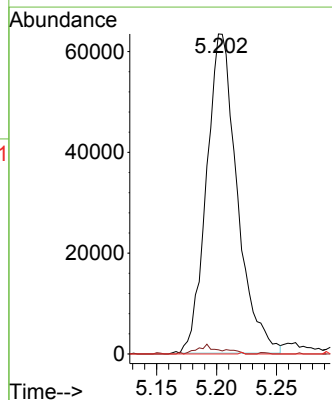
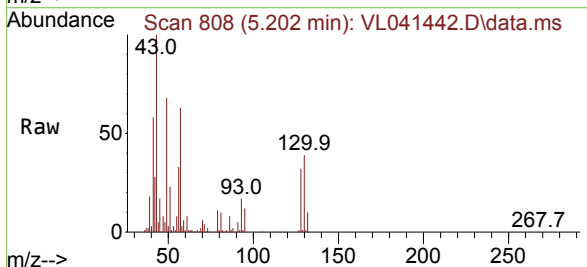
Instrument :
MSVOA_L
ClientSampleId :

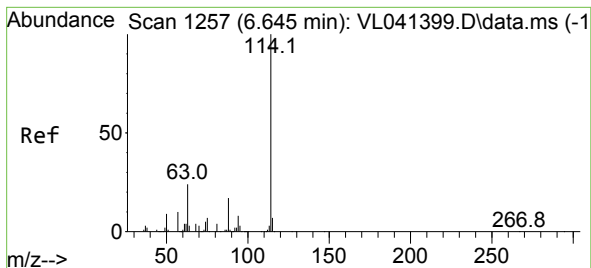
Tgt Ion: 84 Resp: 181583
Ion Ratio Lower Upper
84 100
56 126.8 111.2 166.8
41 94.7 70.3 105.5



#31
cis-1,2-Dichloroethene
Concen: 1.123 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.135 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 61 Resp: 112437
Ion Ratio Lower Upper
61 100
96 1.3 53.4 80.2#
98 0.0 34.4 51.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

Instrument :

MSVOA_L

ClientSampleId :

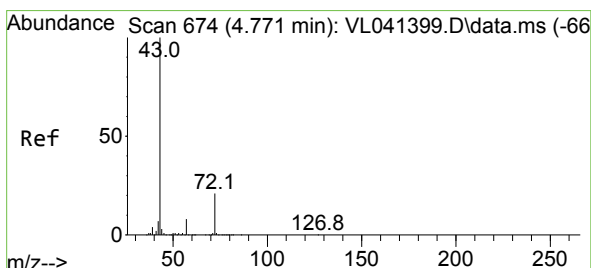
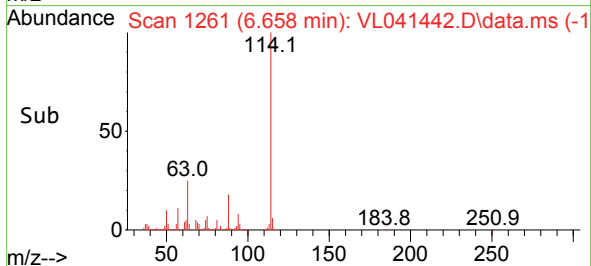
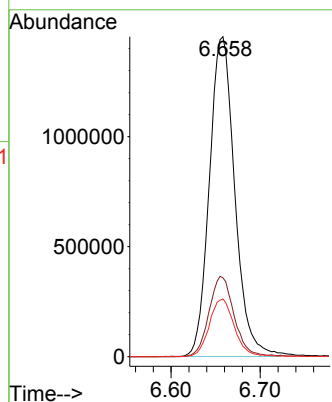
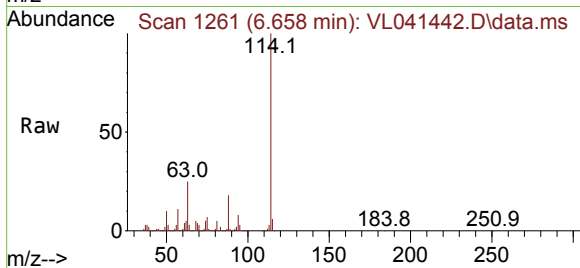
Tgt Ion:114 Resp: 2875417

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 2.793 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.016 min

Lab File: VL041442.D

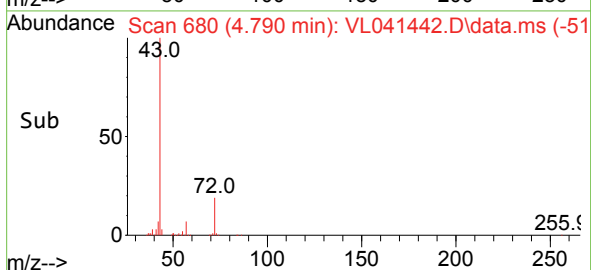
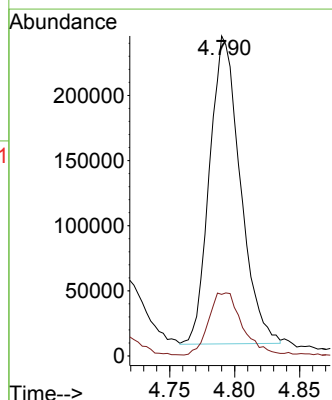
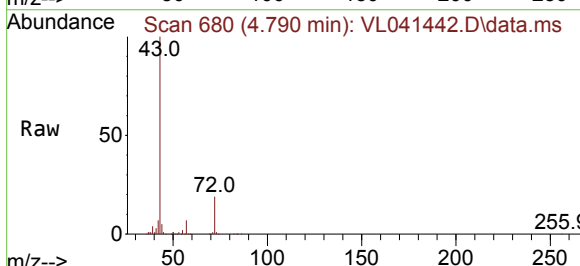
Acq: 29 Jul 2024 23:49

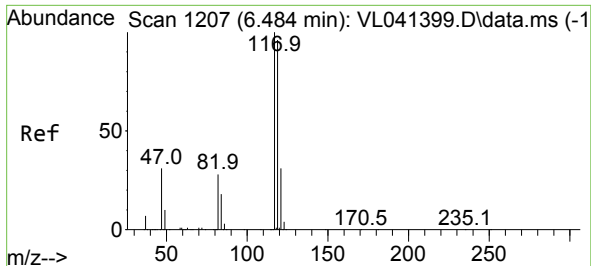
Tgt Ion: 43 Resp: 388536

Ion Ratio Lower Upper

43 100

72 23.8 17.3 25.9

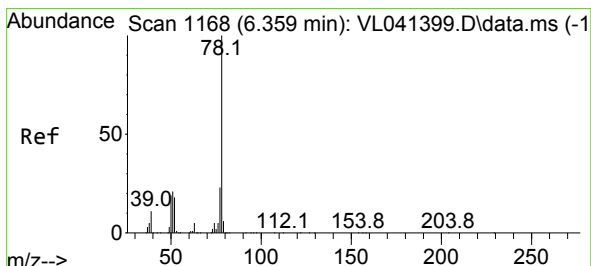
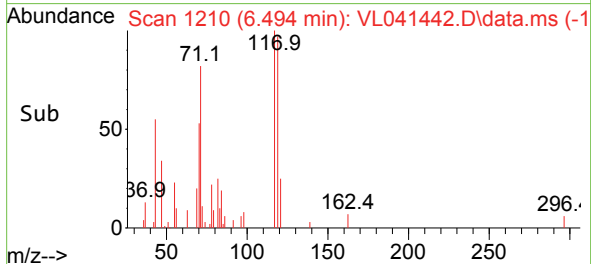
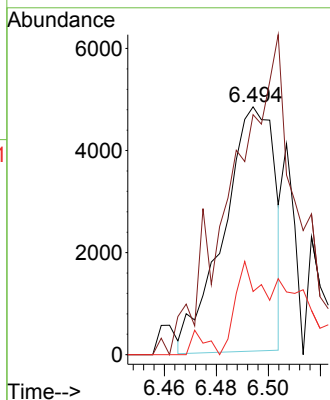
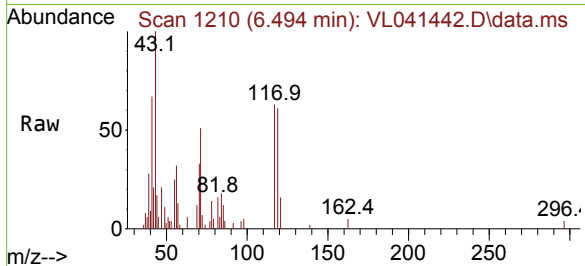




#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. 0.010 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

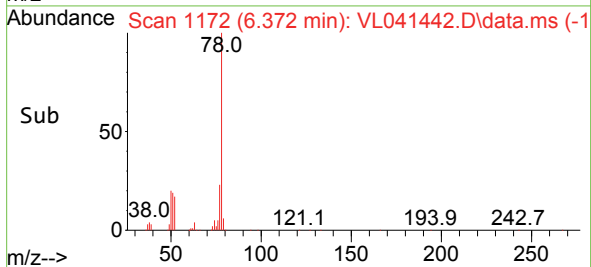
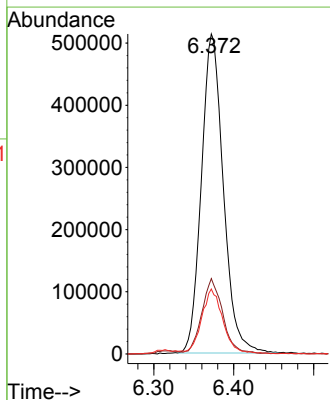
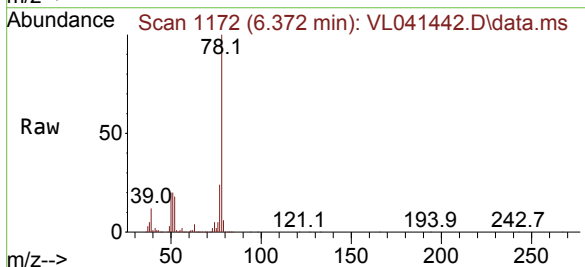
Instrument :
MSVOA_L
ClientSampleId :

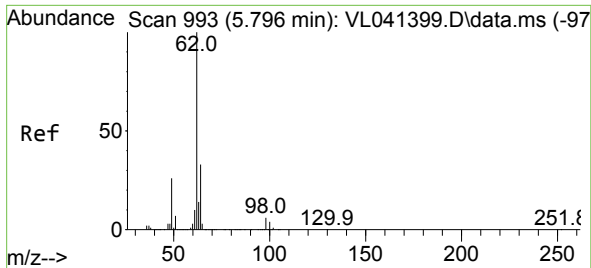
Tgt Ion:117 Resp: 6537
Ion Ratio Lower Upper
117 100
119 86.3 76.6 115.0
121 27.0 25.1 37.7



#36
Benzene
Concen: 4.664 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.013 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 78 Resp: 980012
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1
50 20.3 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.207 ppbv

RT: 5.806 min Scan# 993

Delta R.T. 0.010 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

Instrument :

MSVOA_L

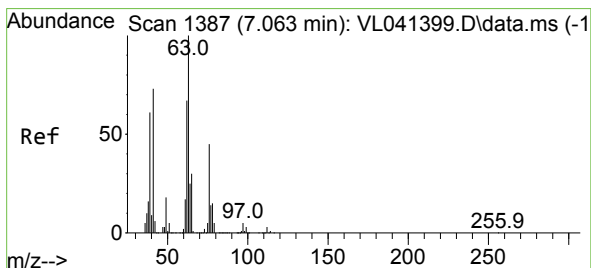
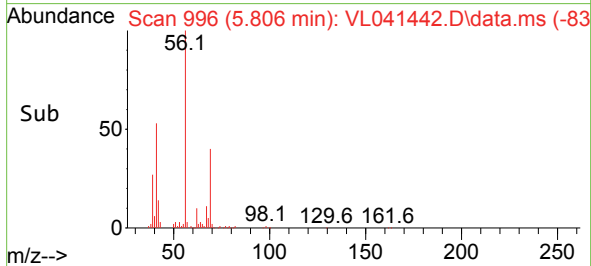
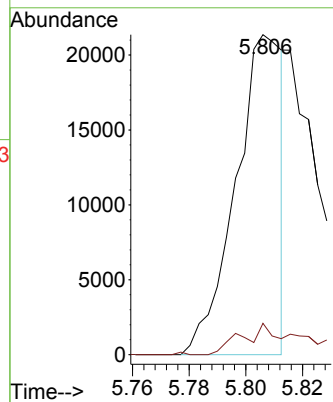
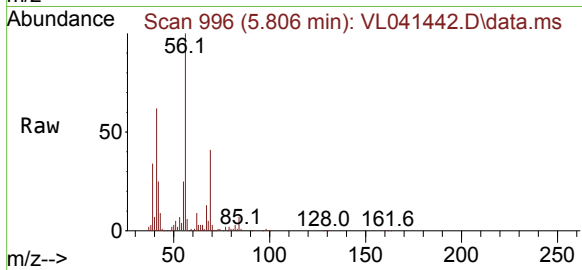
ClientSampleId :

Tgt Ion: 62 Resp: 24309

Ion Ratio Lower Upper

62 100

98 12.5 5.0 7.4#



#39

1,2-Dichloropropane

Concen: 8.762 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.408 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

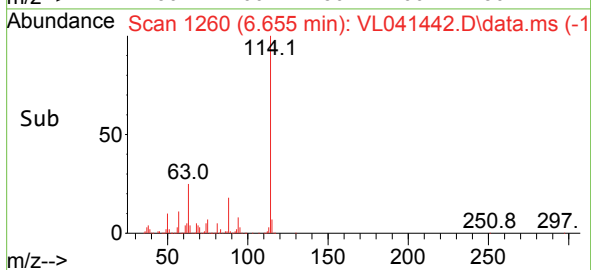
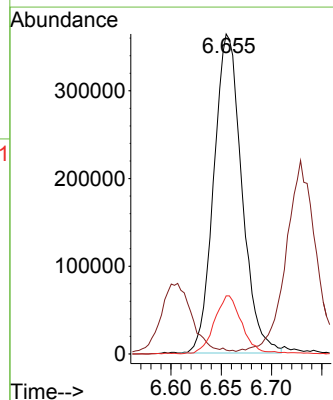
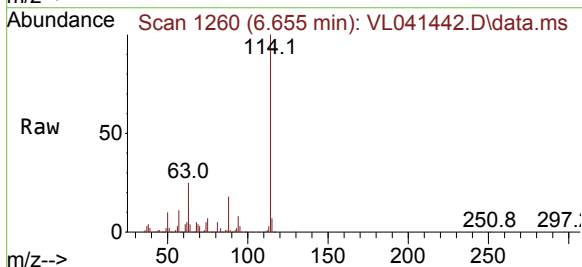
Tgt Ion: 63 Resp: 704788

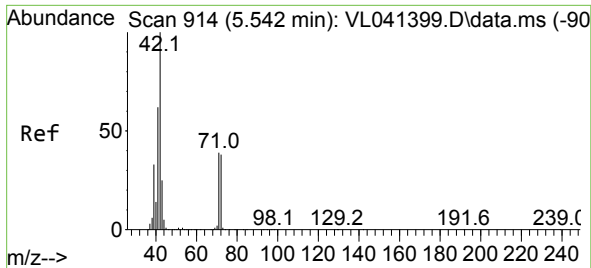
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

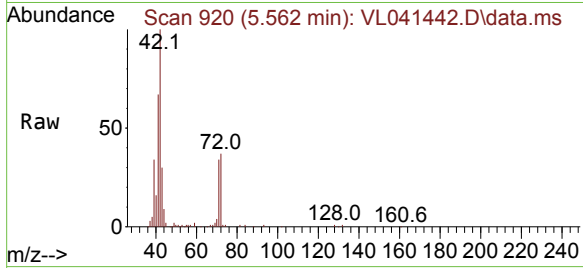
62 18.2 53.9 80.9#



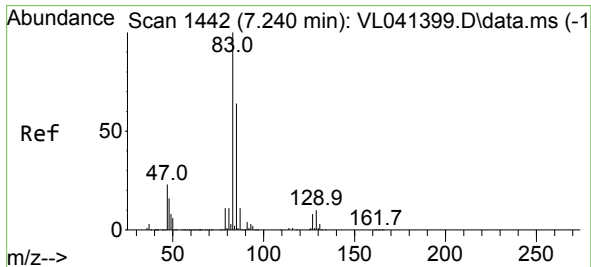
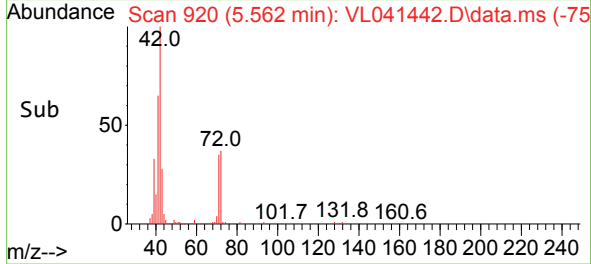
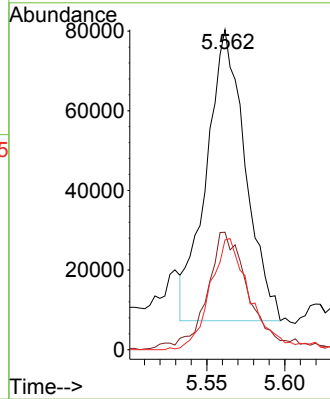


#41
Tetrahydrofuran
Concen: 1.600 ppbv
RT: 5.562 min Scan# 914
Delta R.T. 0.016 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Instrument :
MSVOA_L
ClientSampleId :

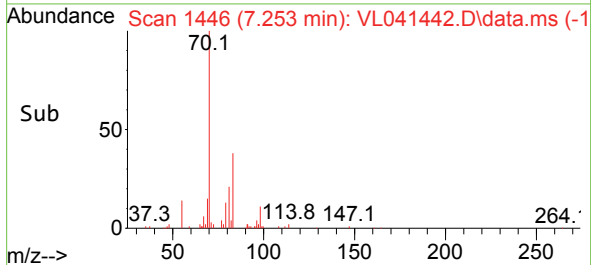
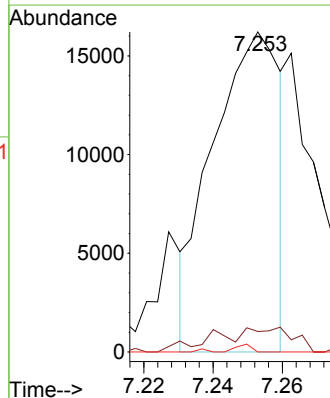
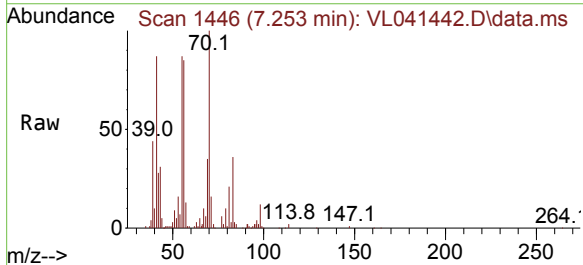


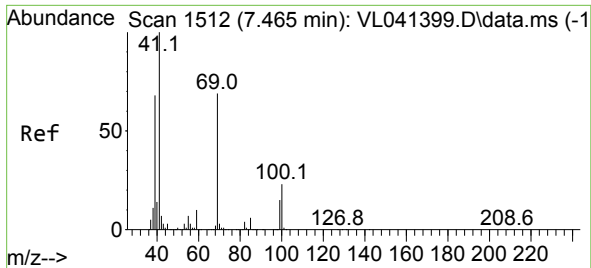
Tgt Ion: 42 Resp: 127295
Ion Ratio Lower Upper
42 100
72 45.8 31.2 46.8
71 40.0 30.5 45.7



#42
Bromodichloromethane
Concen: 0.128 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.013 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 83 Resp: 21744
Ion Ratio Lower Upper
83 100
85 4.4 51.4 77.0#
127 0.0 6.7 10.1#

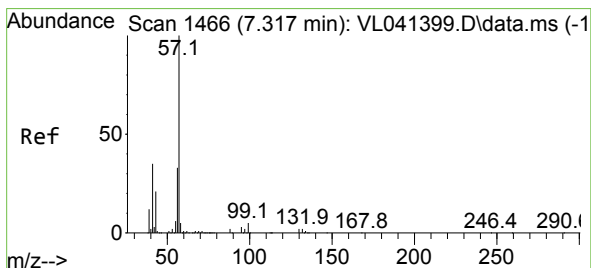
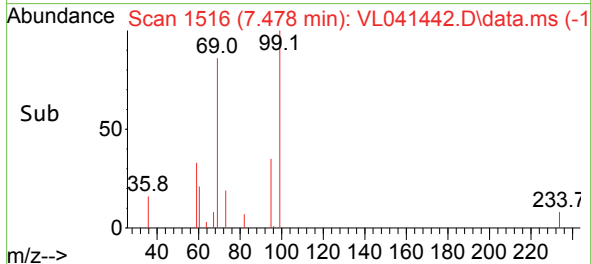
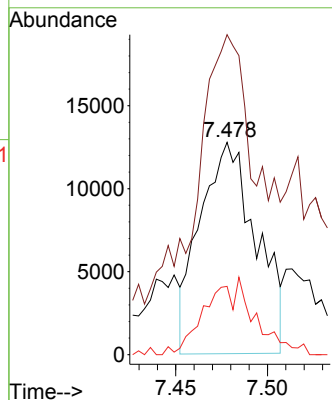
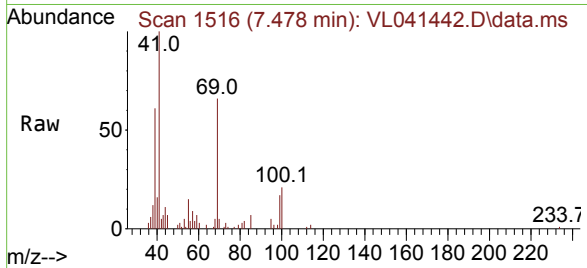




#43
Methyl Methacrylate
Concen: 0.361 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.013 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

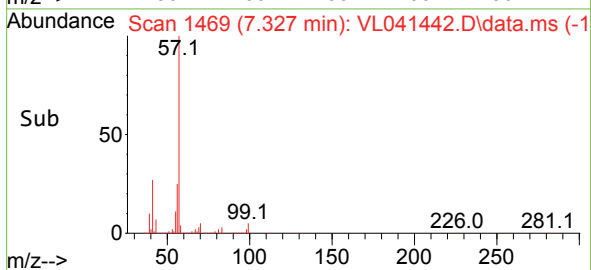
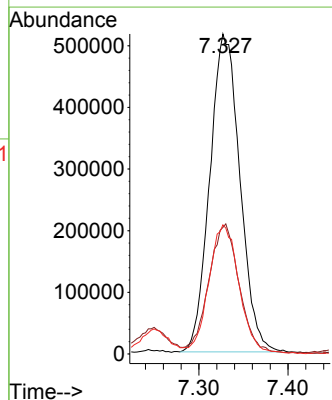
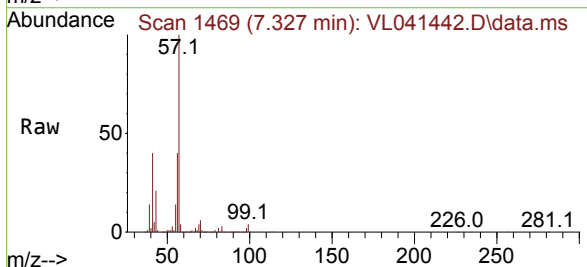
Instrument :
MSVOA_L
ClientSampleId :

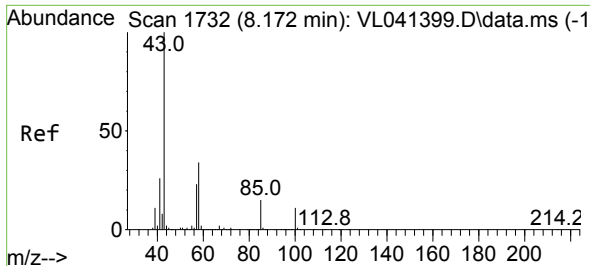
Tgt Ion: 69 Resp: 27205
Ion Ratio Lower Upper
69 100
41 222.5 118.7 178.1#
100 31.8 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 3.448 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.010 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 57 Resp: 1210107
Ion Ratio Lower Upper
57 100
41 41.3 27.0 40.6#
56 40.8 25.2 37.8#

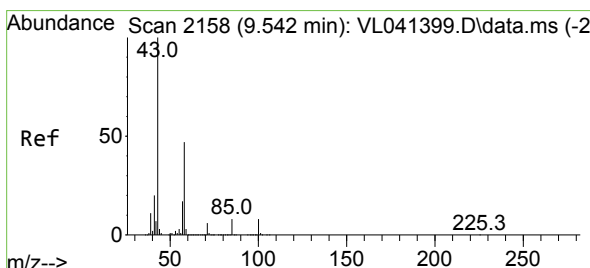
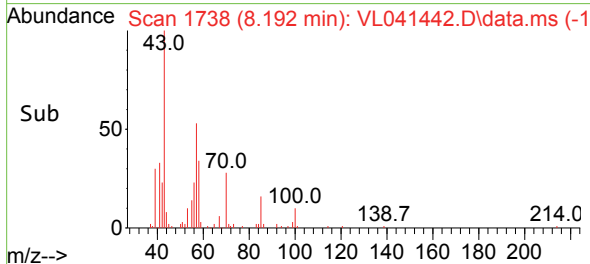
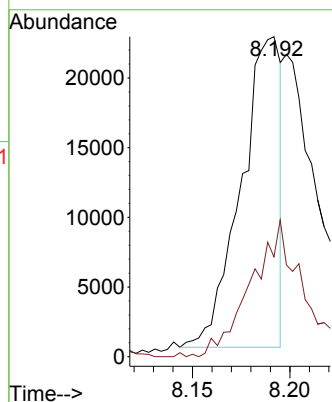
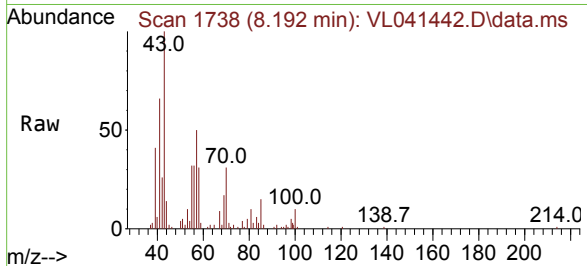




#50
4-Methyl-2-Pentanone
Concen: 0.144 ppbv
RT: 8.192 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

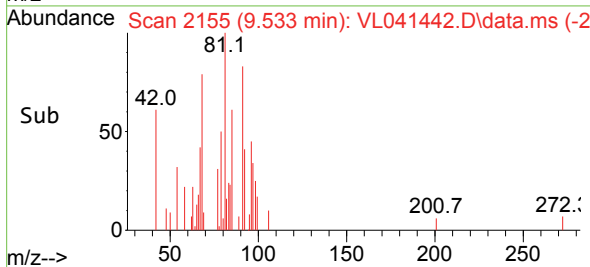
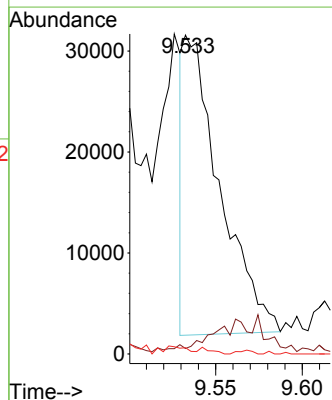
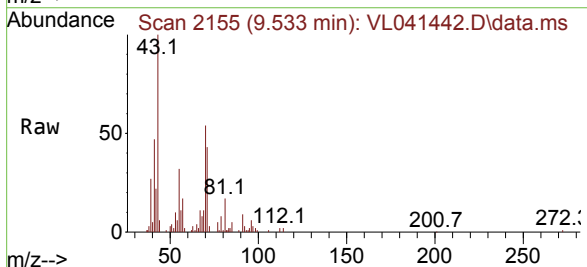
Instrument :
MSVOA_L
ClientSampleId :

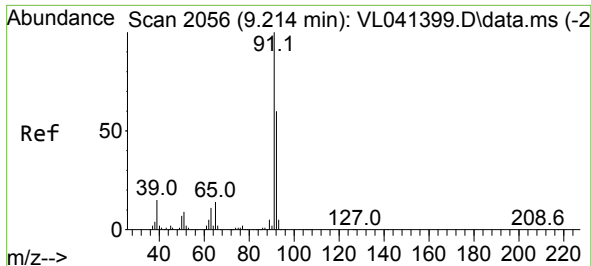
Tgt Ion: 43 Resp: 31528
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#51
2-Hexanone
Concen: 0.259 ppbv
RT: 9.533 min Scan# 2155
Delta R.T. -0.010 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 43 Resp: 43055
Ion Ratio Lower Upper
43 100
58 17.1 38.2 57.2#
98 0.0 0.3 0.5#

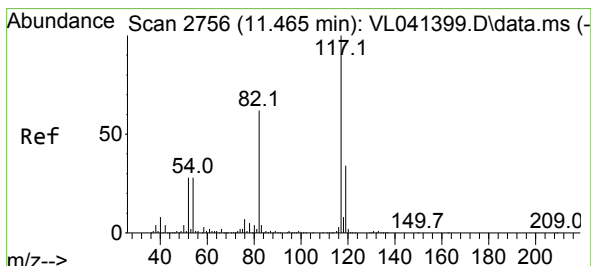
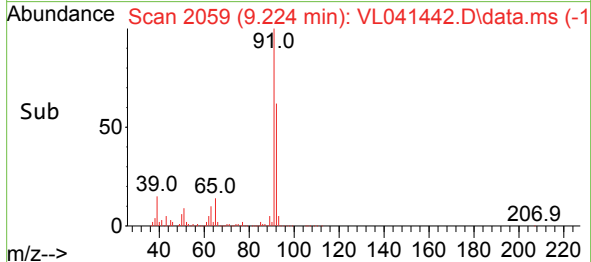
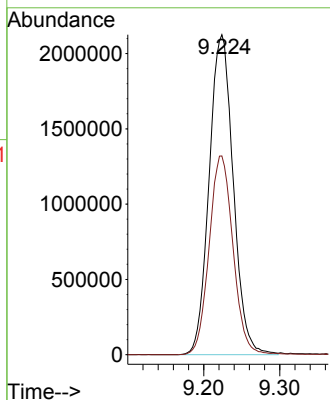
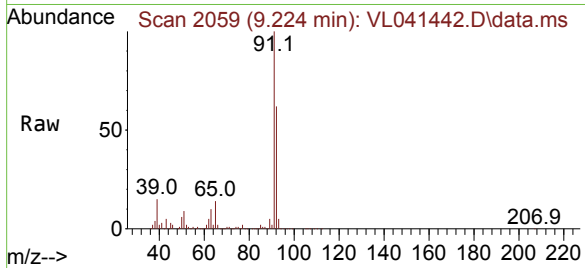




#53
Toluene
Concen: 19.970 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

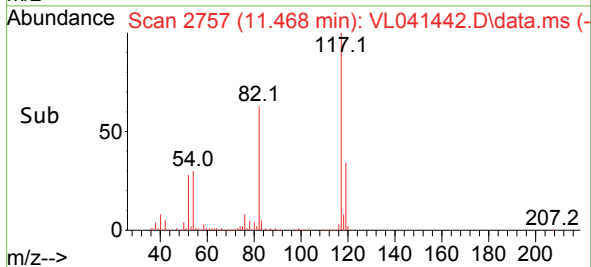
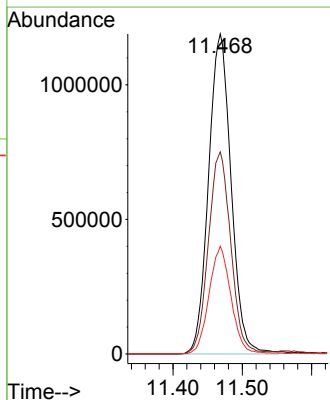
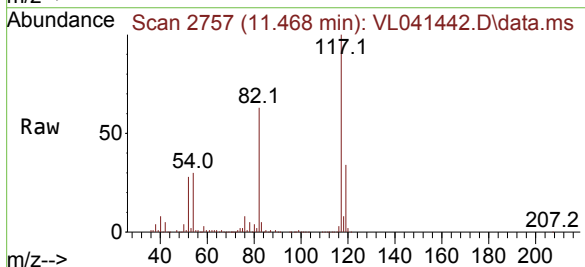
Instrument :
MSVOA_L
ClientSampleId :

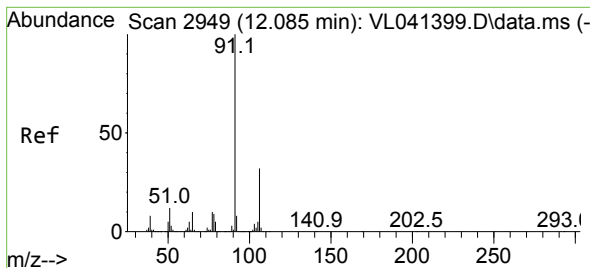
Tgt Ion: 91 Resp: 4673657
Ion Ratio Lower Upper
91 100
92 61.8 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 117 Resp: 2694025
Ion Ratio Lower Upper
117 100
82 62.7 51.0 76.6
119 32.8 45.2 67.8#





#58

Ethyl Benzene

Concen: 3.042 ppbv

RT: 12.089 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

Instrument :

MSVOA_L

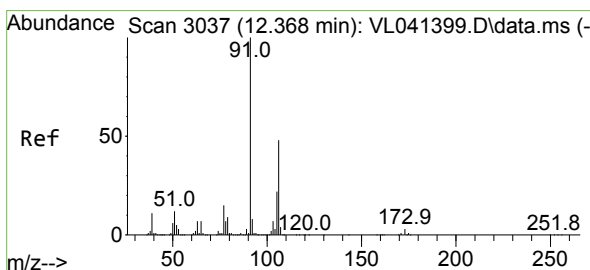
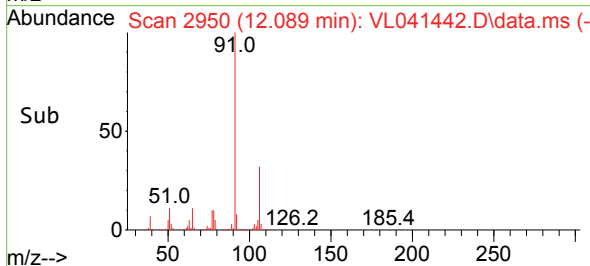
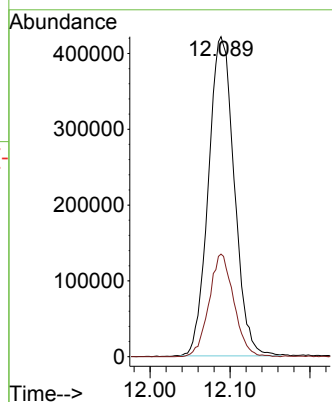
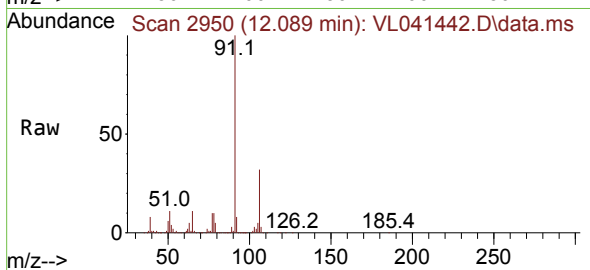
ClientSampleId :

Tgt Ion: 91 Resp: 944505

Ion Ratio Lower Upper

91 100

106 32.1 25.8 38.8



#59

m/p-Xylene

Concen: 6.787 ppbv

RT: 12.343 min Scan# 3029

Delta R.T. -0.026 min

Lab File: VL041442.D

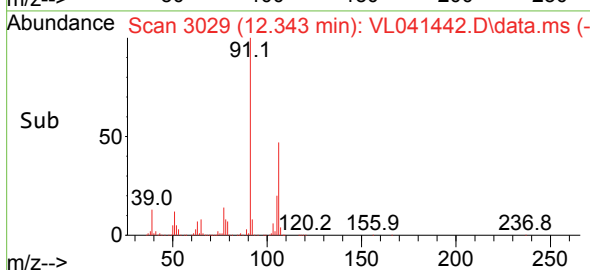
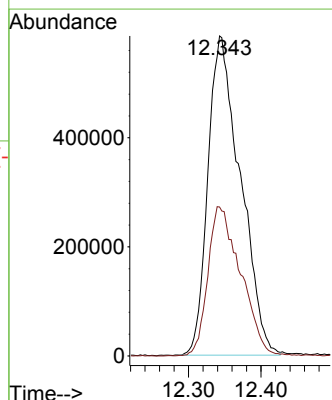
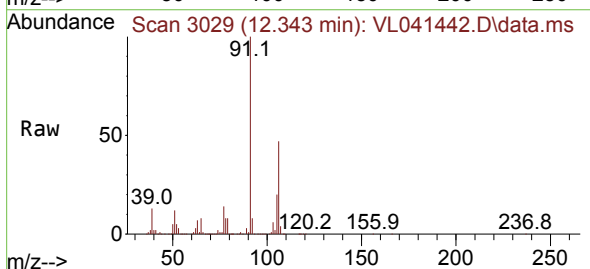
Acq: 29 Jul 2024 23:49

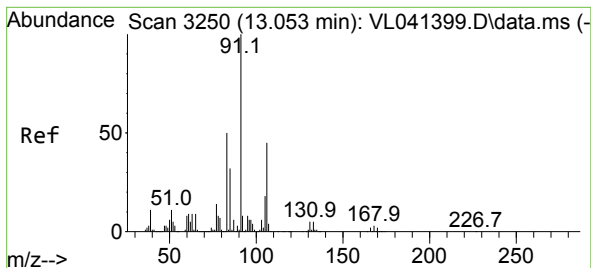
Tgt Ion: 91 Resp: 1819188

Ion Ratio Lower Upper

91 100

106 47.4 36.3 54.5





#60

o-Xylene

Concen: 2.664 ppbv

RT: 13.057 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

Instrument :

MSVOA_L

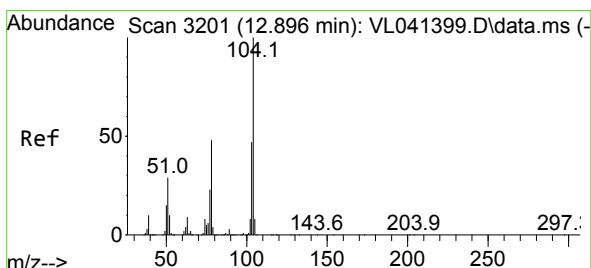
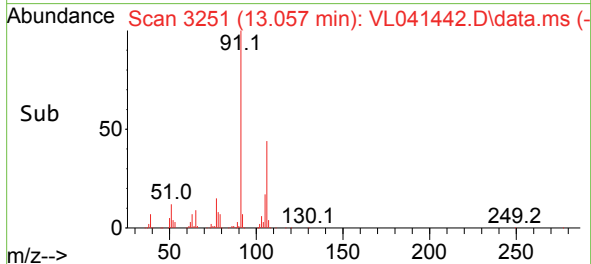
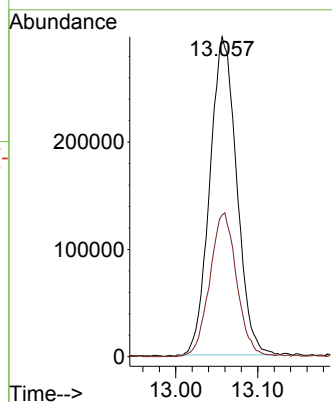
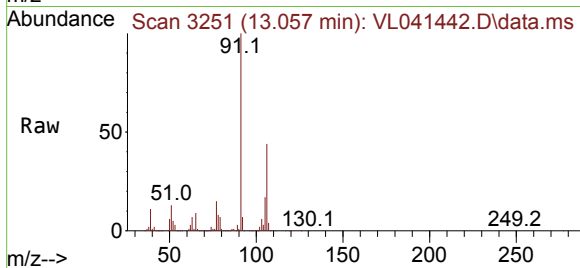
ClientSampleId :

Tgt Ion: 91 Resp: 675630

Ion Ratio Lower Upper

91 100

106 45.6 23.1 69.3



#61

Styrene

Concen: 4.273 ppbv

RT: 12.896 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

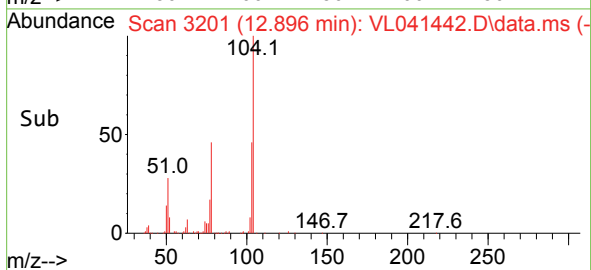
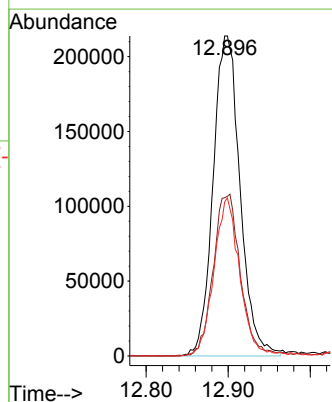
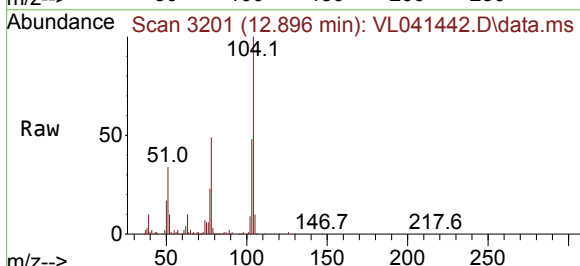
Tgt Ion: 104 Resp: 488871

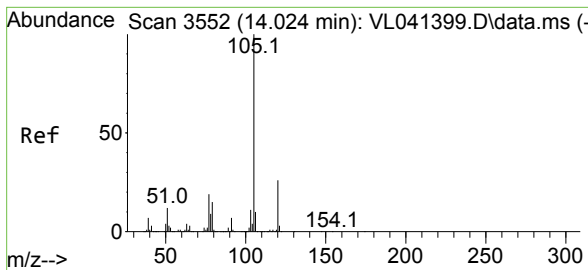
Ion Ratio Lower Upper

104 100

78 51.7 40.8 61.2

103 47.5 38.2 57.4

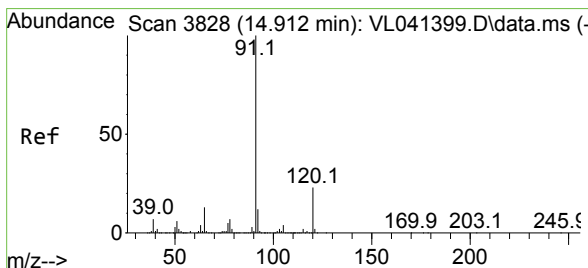
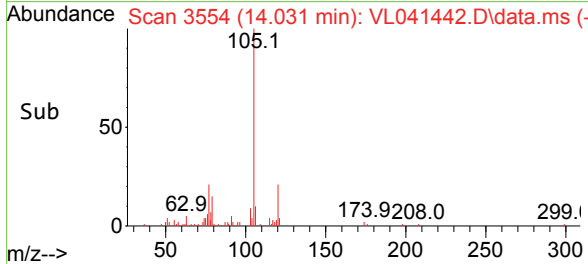
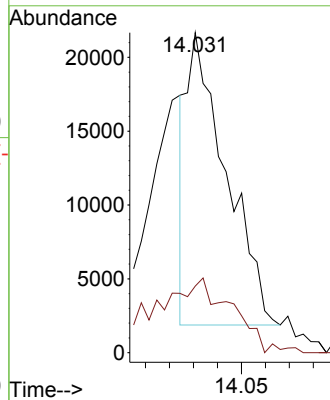
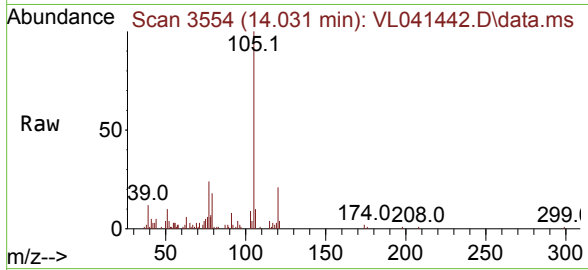




#62
Isopropylbenzene
Concen: 0.058 ppbv
RT: 14.031 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

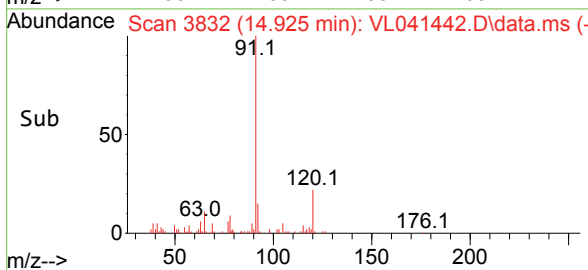
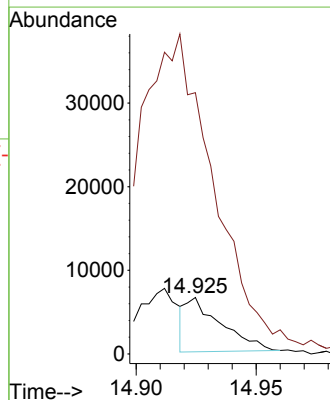
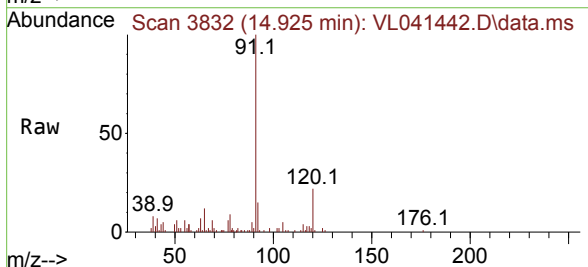
Instrument :
MSVOA_L
ClientSampleId :

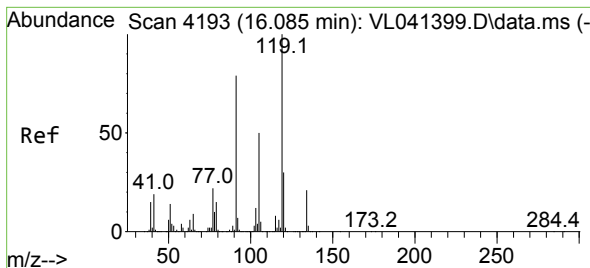
Tgt Ion:105 Resp: 22456
Ion Ratio Lower Upper
105 100
120 52.2 21.0 31.4#



#64
n-propylbenzene
Concen: 0.066 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. 0.010 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion:120 Resp: 6687
Ion Ratio Lower Upper
120 100
91 1305.4 361.4 542.0#

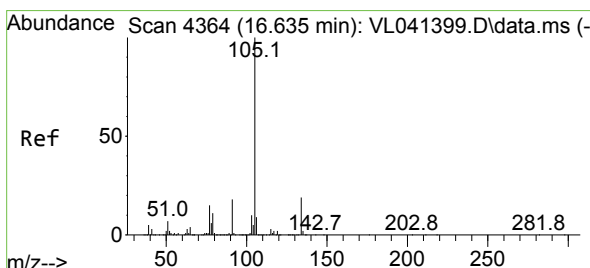
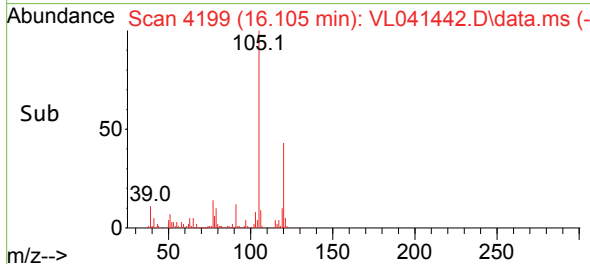
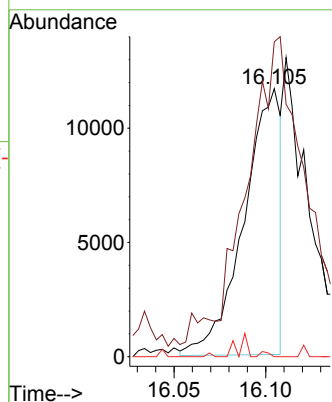
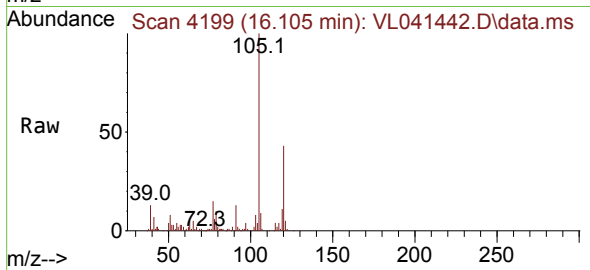




#65
tert-Butylbenzene
Concen: 0.047 ppbv
RT: 16.105 min Scan# 4193
Delta R.T. 0.013 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

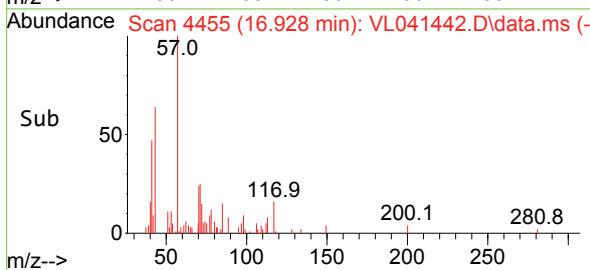
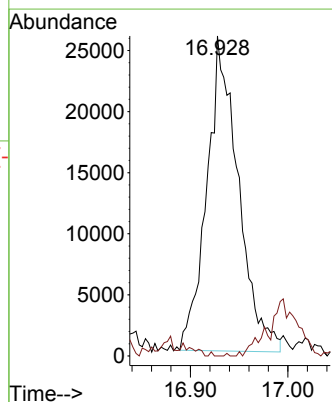
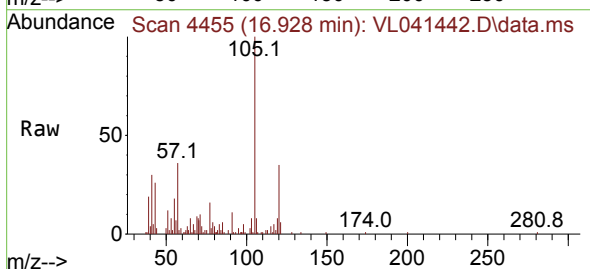
Instrument :
MSVOA_L
ClientSampleId :

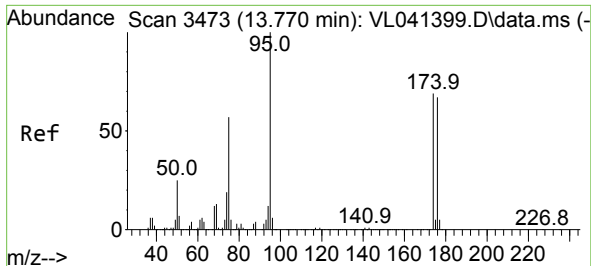
Tgt Ion:119 Resp: 16233
Ion Ratio Lower Upper
119 100
91 0.0 64.2 96.2#
134 2.7 15.7 23.5#



#67
sec-Butylbenzene
Concen: 0.121 ppbv
RT: 16.928 min Scan# 4455
Delta R.T. 0.293 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion:105 Resp: 57825
Ion Ratio Lower Upper
105 100
134 16.8 14.5 21.7

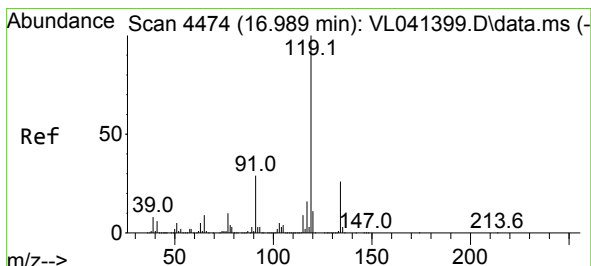
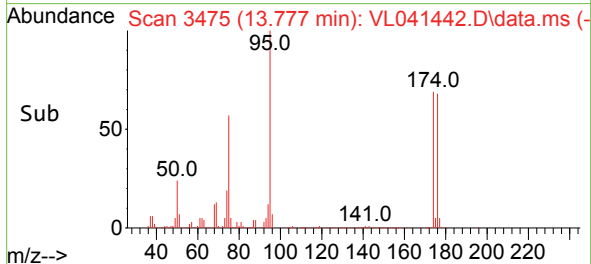
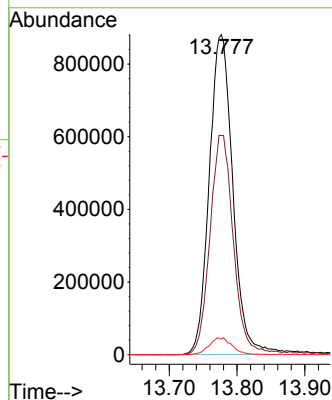
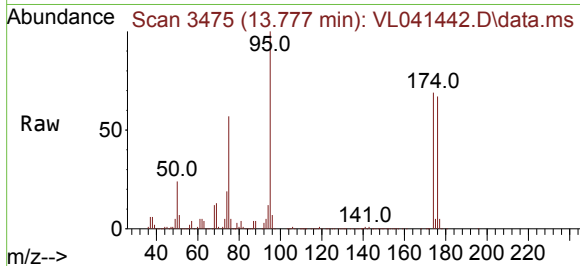




#68
1-Bromo-4-Fluorobenzene
Concen: 10.247 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

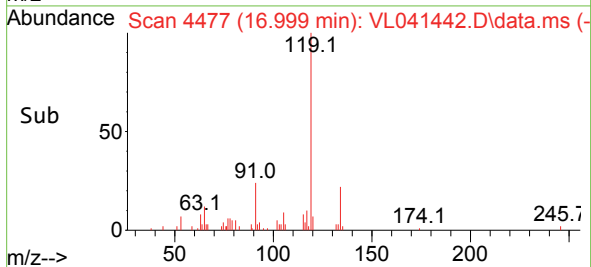
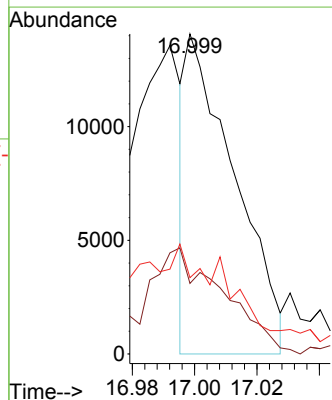
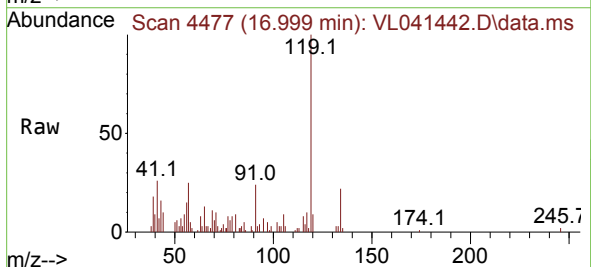
Instrument :
MSVOA_L
ClientSampleId :

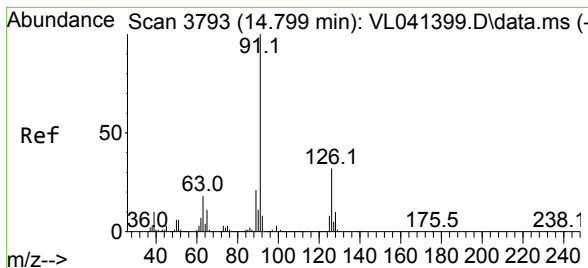
Tgt Ion: 95 Resp: 2124478
Ion Ratio Lower Upper
95 100
174 69.6 56.3 84.5
175 5.2 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.038 ppbv
RT: 16.999 min Scan# 4477
Delta R.T. 0.003 min
Lab File: VL041442.D
Acq: 29 Jul 2024 23:49

Tgt Ion: 119 Resp: 15235
Ion Ratio Lower Upper
119 100
134 63.7 20.5 30.7#
91 82.9 23.2 34.8#





#71

2-Chlorotoluene

Concen: 0.305 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.119 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

Instrument :

MSVOA_L

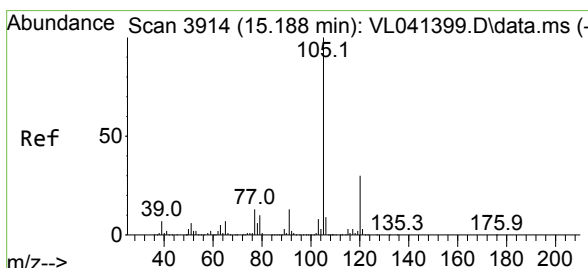
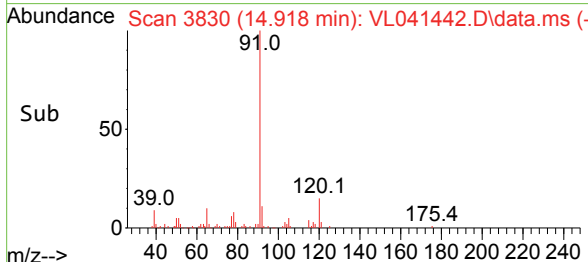
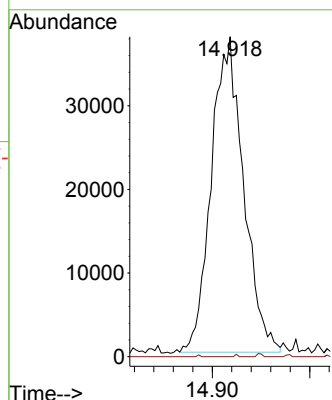
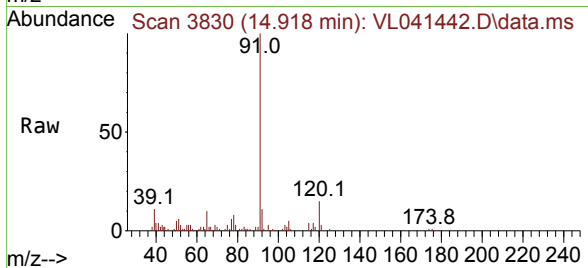
ClientSampleId :

Tgt Ion: 91 Resp: 86676

Ion Ratio Lower Upper

91 100

126 0.2 12.7 50.9#



#72

4-Ethyltoluene

Concen: 0.164 ppbv

RT: 15.195 min Scan# 3916

Delta R.T. 0.003 min

Lab File: VL041442.D

Acq: 29 Jul 2024 23:49

Tgt Ion: 105 Resp: 49081

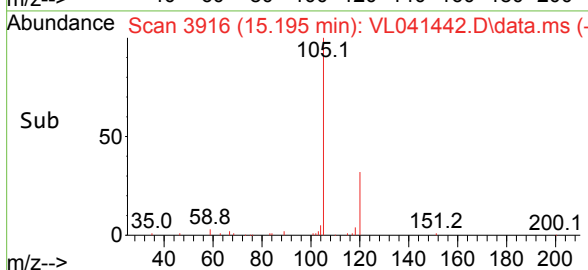
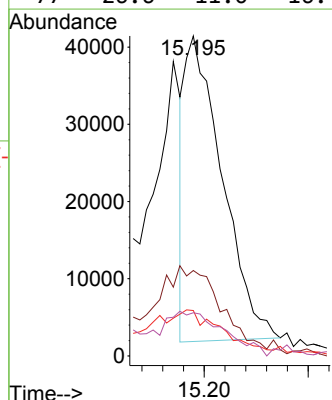
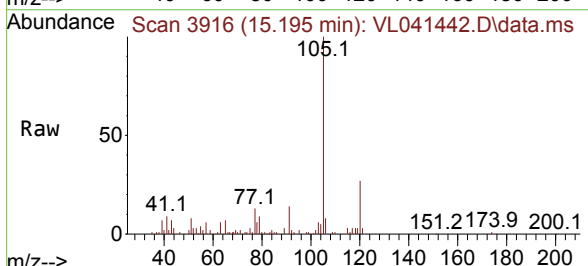
Ion Ratio Lower Upper

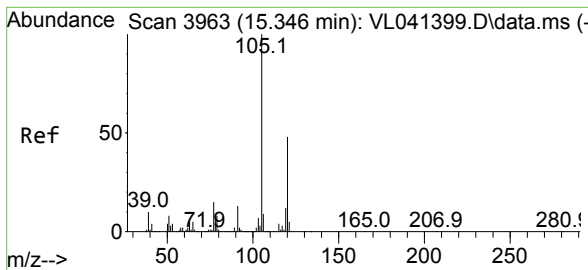
105 100

120 55.3 24.2 36.2#

91 27.0 10.4 15.6#

77 26.6 11.0 16.4#

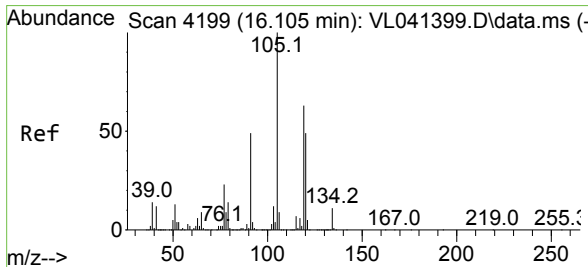
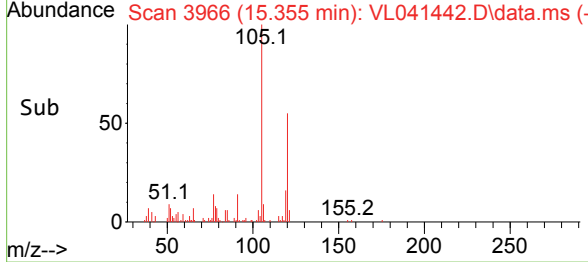
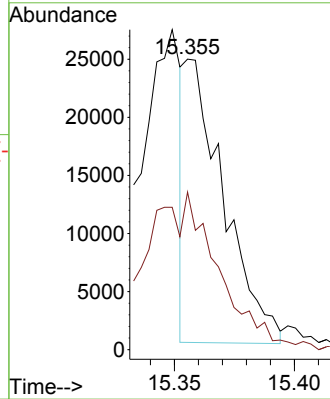
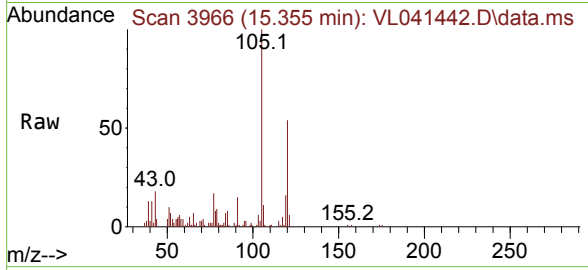




#73
 1,3,5-Trimethylbenzene
 Concen: 0.107 ppbv
 RT: 15.355 min Scan# 3966
 Delta R.T. 0.007 min
 Lab File: VL041442.D
 Acq: 29 Jul 2024 23:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:105 Resp: 27499
 Ion Ratio Lower Upper
 105 100
 120 54.4 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.863 ppbv
 RT: 16.108 min Scan# 4200
 Delta R.T. 0.000 min
 Lab File: VL041442.D
 Acq: 29 Jul 2024 23:49

Tgt Ion:105 Resp: 257902
 Ion Ratio Lower Upper
 105 100
 120 40.9 39.5 59.3
 91 12.4 39.8 59.8#
 77 14.6 18.2 27.4#

