

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
 Data File : VL041347.D
 Acq On : 11 Jun 2024 14:56
 Operator : SY/MD
 Sample : P2837-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 12 01:24:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 12 01:18:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1097291	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2964622	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2714803	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2113457	10.083	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.761	85	36300	0.207	ppbv	98
3) Chlorodifluoromethane	2.706	51	280274	1.616	ppbv #	84
4) Chloromethane	2.845	50	7801	0.120	ppbv	93
5) Vinyl Chloride	2.947	62	2589	0.039	ppbv #	63
6) Bromomethane	3.144	94	1100	0.047	ppbv #	55
7) Chloroethane	3.230	64	1605	0.071	ppbv #	53
8) Dichlorotetrafluoroethane	2.886	85	6128	0.038	ppbv #	81
9) Propene	2.729	41	96725	1.566	ppbv	90
10) Heptane	7.587	43	21663	0.148	ppbv #	66
11) Trichlorofluoromethane	3.587	101	37377	0.232	ppbv	100
13) Ethanol	3.269	45	40307	2.508	ppbv #	39
14) Bromoethene	3.394	108	1550	0.034	ppbv #	70
15) Acetone	3.494	43	767701	6.128	ppbv #	89
16) 1,3-Butadiene	2.999	39	70494	1.119	ppbv #	26
17) tert-Butyl alcohol	3.918	59	7814	0.068	ppbv #	39
19) Isopropyl Alcohol	3.600	45	6499	0.083	ppbv #	95
20) Methylene Chloride	3.957	84	749192	16.453	ppbv	97
21) Allyl Chloride	4.018	41	2831	0.036	ppbv #	63
22) trans-1,2-Dichloroethene	4.465	96	1765	0.035	ppbv #	15
23) Vinyl Acetate	4.636	43	10286	0.080	ppbv #	66
25) Ethyl Acetate	5.227	43	893716	3.606	ppbv #	77
26) Hexane	5.230	57	1266142	11.360	ppbv #	40
27) Carbon Disulfide	4.147	76	67021	0.543	ppbv #	91
29) Chloroform	5.291	83	16446	0.096	ppbv	90
30) Cyclohexane	6.613	84	9346	0.103	ppbv #	8
31) cis-1,2-Dichloroethene	5.092	61	3696	0.035	ppbv #	77
34) 2-Butanone	4.806	43	923920	6.505	ppbv	98
37) 1,2-Dichloroethane	5.825	62	17108	0.128	ppbv #	96
38) Trichloroethene	7.301	130	4626	0.050	ppbv #	80
39) 1,2-Dichloropropane	7.082	63	74868	0.818	ppbv	92
41) Tetrahydrofuran	5.279	42	6395	0.069	ppbv #	48
44) 2,2,4-Trimethylpentane	7.340	57	136245	0.345	ppbv #	83
51) 2-Hexanone	9.565	43	211734	1.267	ppbv #	98
52) Tetrachloroethene	10.626	164	1477568	17.632	ppbv	98
53) Toluene	9.227	91	88709	0.336	ppbv	96
57) Chlorobenzene	11.536	112	10291	0.051	ppbv #	27
59) m/p-Xylene	12.375	91	17049	0.057	ppbv #	31
60) o-Xylene	13.066	91	41317	0.145	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.044	83	14515	0.072	ppbv #	93
65) tert-Butylbenzene	16.101	119	14826	0.039	ppbv #	23
69) p-Isopropyltoluene	16.998	119	20187	0.045	ppbv	92
70) n-Butylbenzene	17.886	91	24256	0.053	ppbv #	42
73) 1,3,5-Trimethylbenzene	15.362	105	19755	0.069	ppbv	100

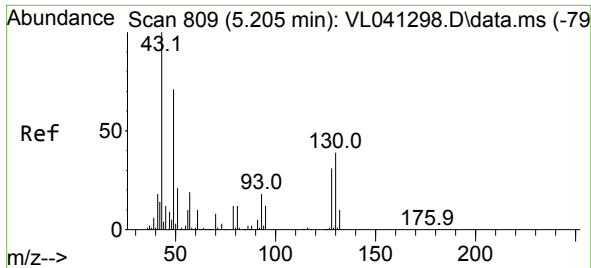
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
Data File : VL041347.D
Acq On : 11 Jun 2024 14:56
Operator : SY/MD
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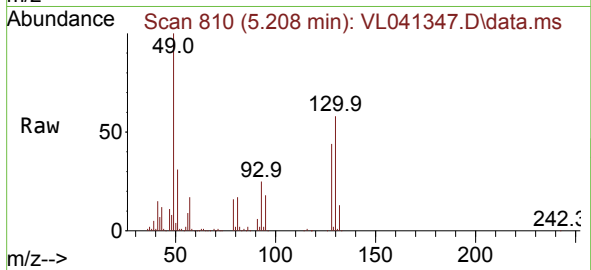
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.108	105	65545	0.202	ppbv	# 72

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

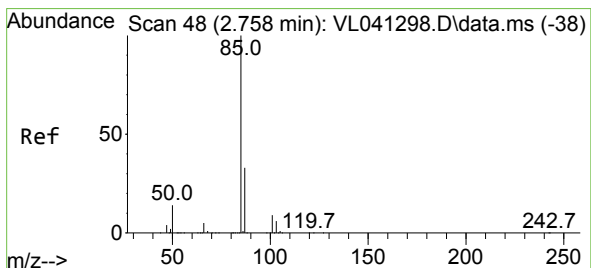
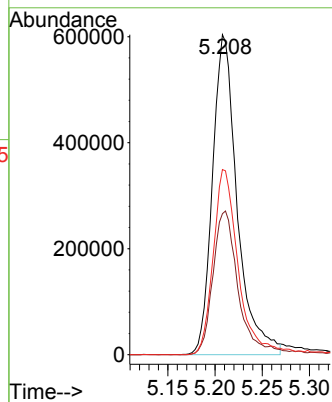
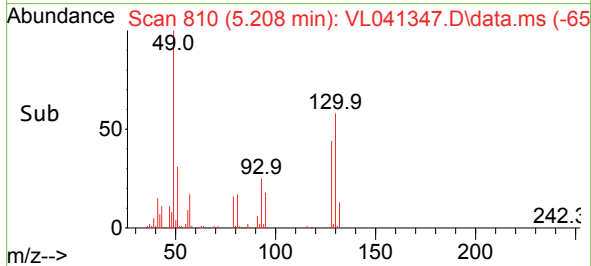


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :

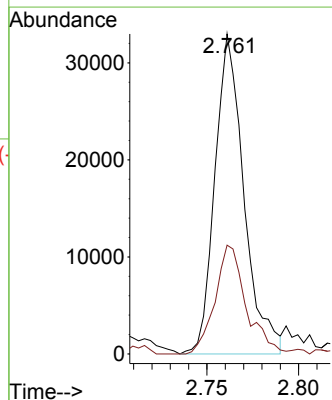
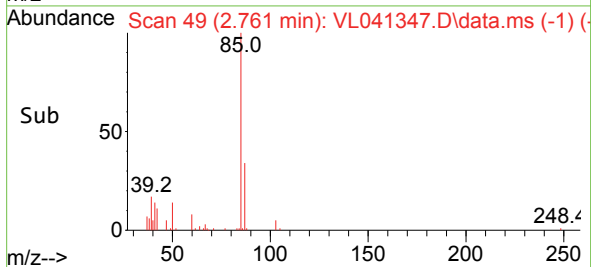
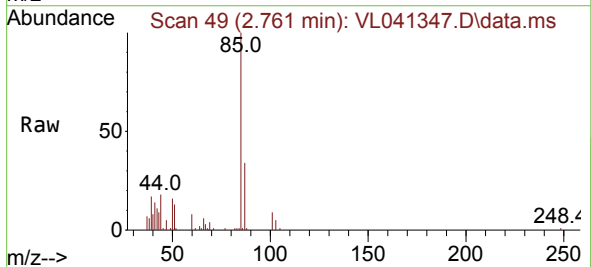


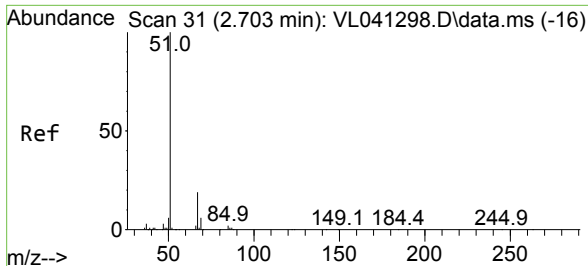
Tgt Ion: 49 Resp: 1097291
Ion Ratio Lower Upper
49 100
128 47.5 22.8 68.3
130 60.8 28.4 85.3



#2
Dichlorodifluoromethane
Concen: 0.207 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 85 Resp: 36300
Ion Ratio Lower Upper
85 100
87 34.0 26.5 39.7

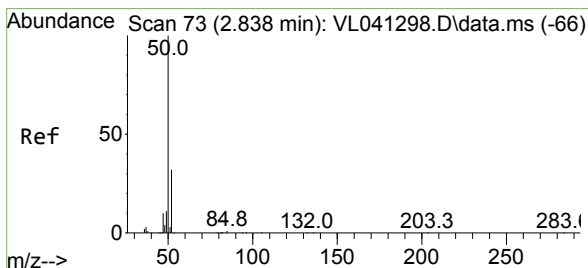
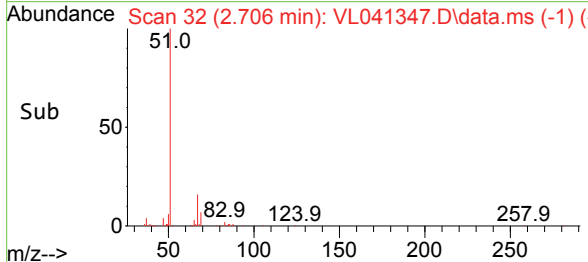
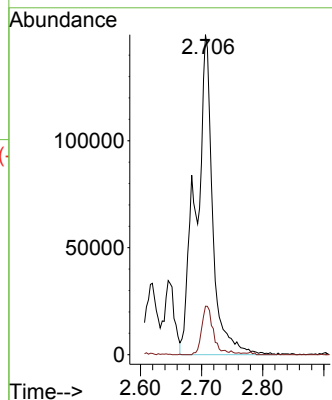
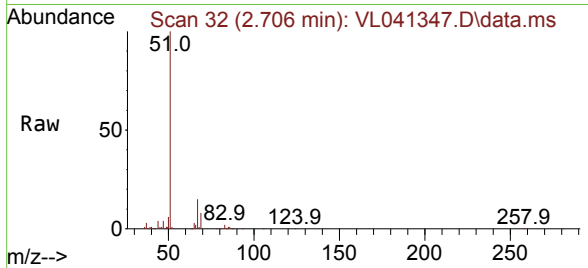




#3
 Chlorodifluoromethane
 Concen: 1.616 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

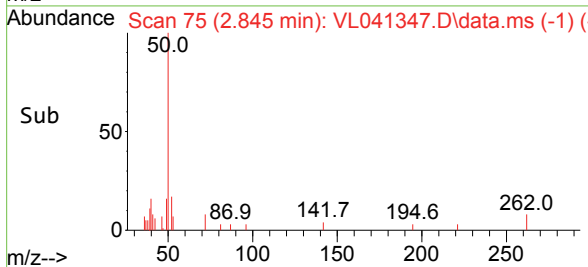
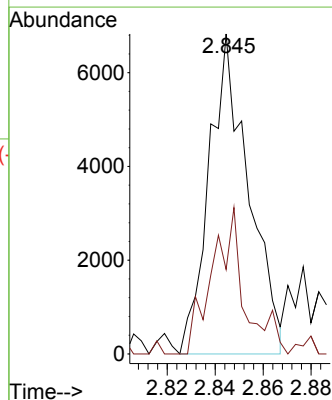
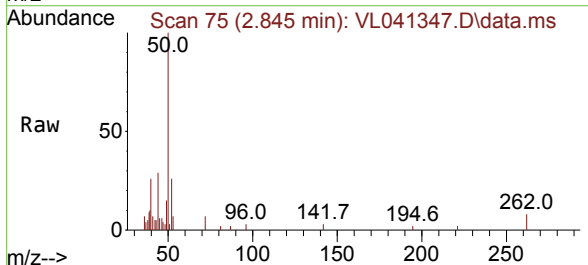
Instrument :
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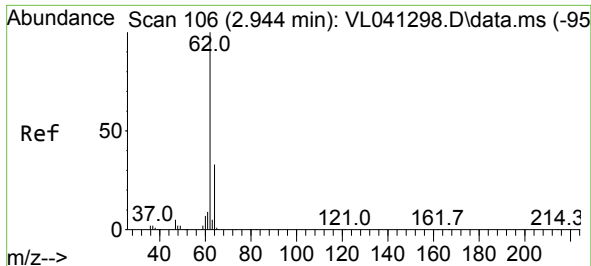
Tgt Ion: 51 Resp: 280274
 Ion Ratio Lower Upper
 51 100
 67 11.4 14.7 22.1#



#4
 Chloromethane
 Concen: 0.120 ppbv
 RT: 2.845 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

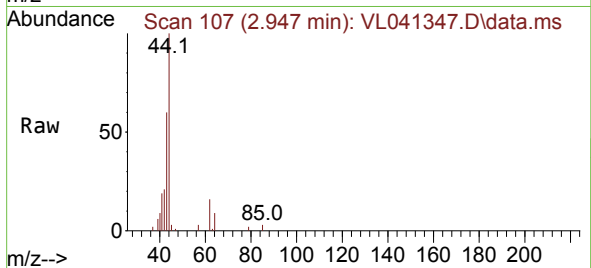
Tgt Ion: 50 Resp: 7801
 Ion Ratio Lower Upper
 50 100
 52 28.0 25.6 38.4



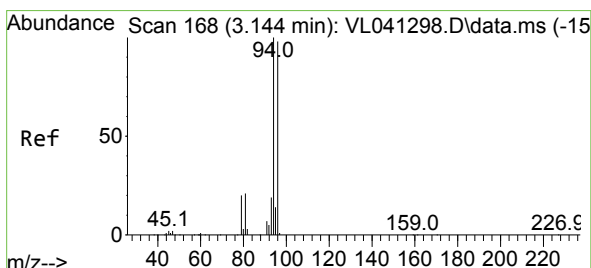
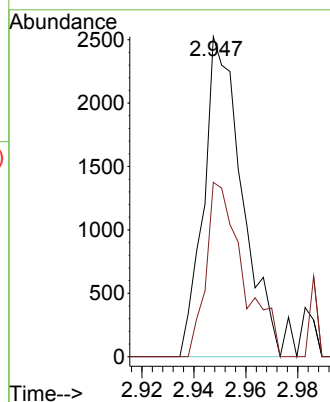
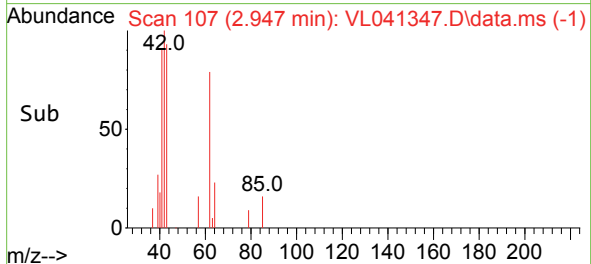


#5
 Vinyl Chloride
 Concen: 0.039 ppbv
 RT: 2.947 min Scan# 106
 Delta R.T. -0.003 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Instrument :
 MSVOA_L
 ClientSampleId :

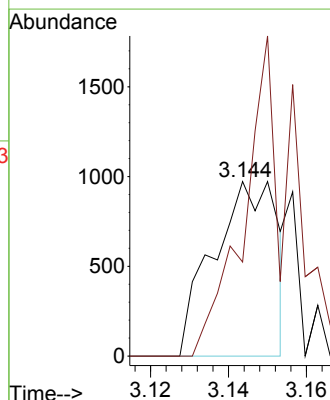
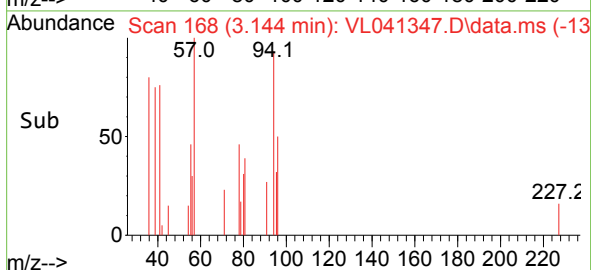
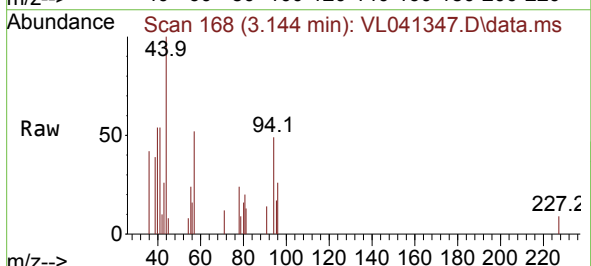


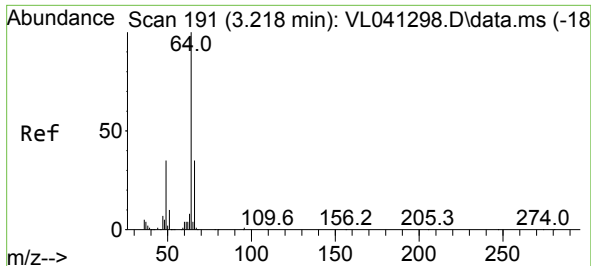
Tgt Ion: 62 Resp: 2589
 Ion Ratio Lower Upper
 62 100
 64 54.5 26.6 40.0#



#6
 Bromomethane
 Concen: 0.047 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. -0.003 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Tgt Ion: 94 Resp: 1100
 Ion Ratio Lower Upper
 94 100
 96 53.9 78.6 117.8#

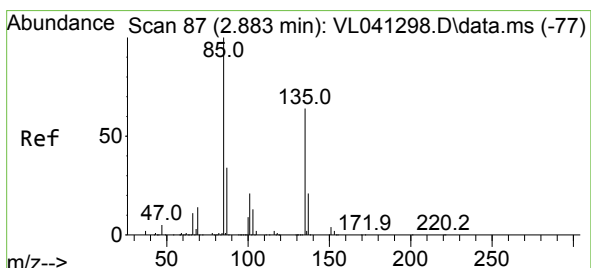
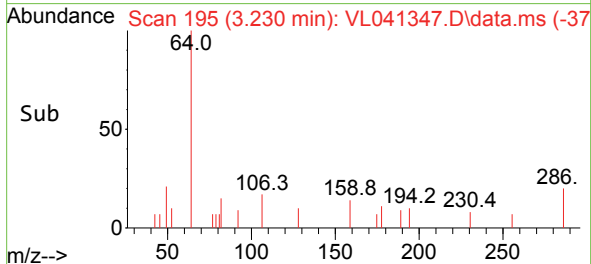
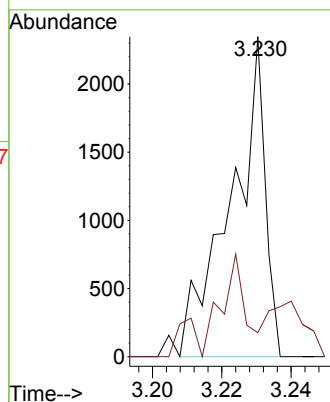
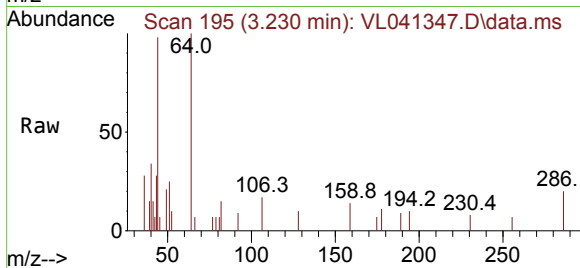




#7
Chloroethane
Concen: 0.071 ppbv
RT: 3.230 min Scan# 191
Delta R.T. 0.007 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

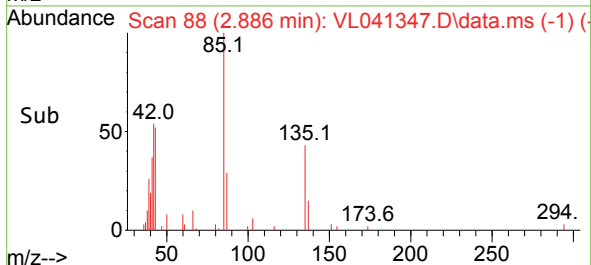
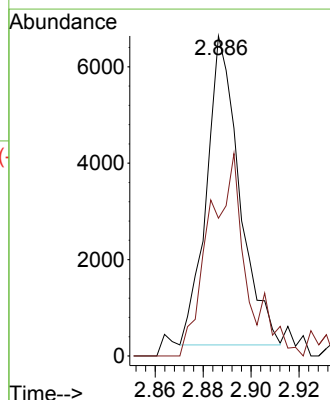
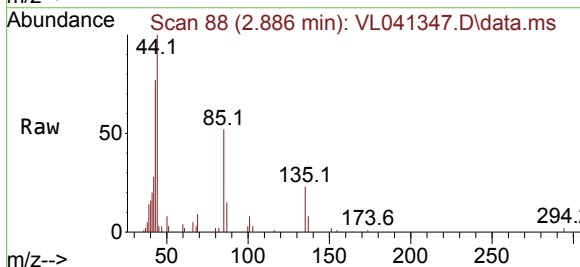
Instrument :
MSVOA_L
ClientSampleId :

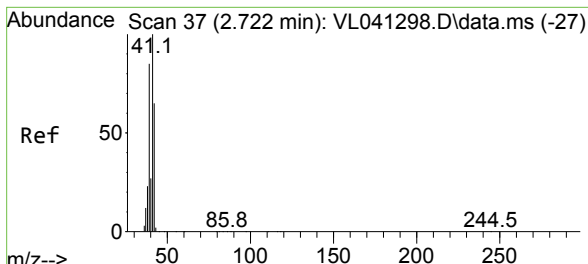
Tgt Ion: 64 Resp: 1605
Ion Ratio Lower Upper
64 100
66 7.5 28.1 42.1#



#8
Dichlorotetrafluoroethane
Concen: 0.038 ppbv
RT: 2.886 min Scan# 88
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 85 Resp: 6128
Ion Ratio Lower Upper
85 100
135 79.7 51.7 77.5#

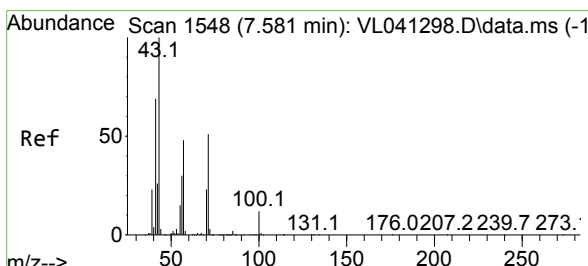
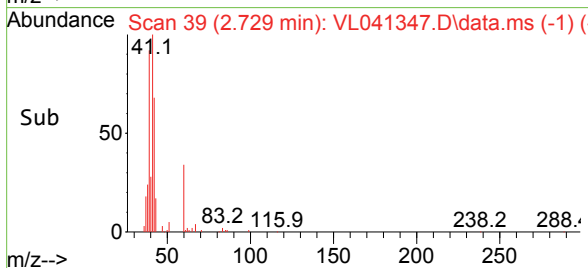
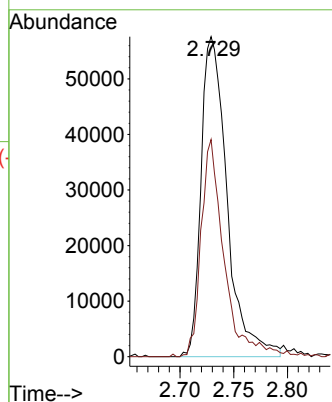
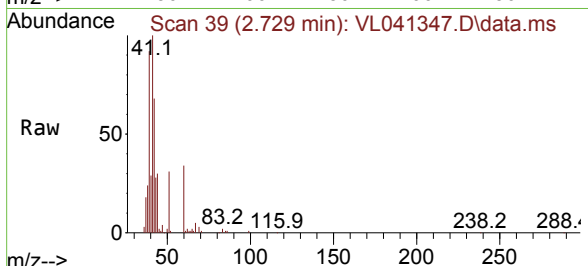




#9
 Propene
 Concen: 1.566 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.003 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

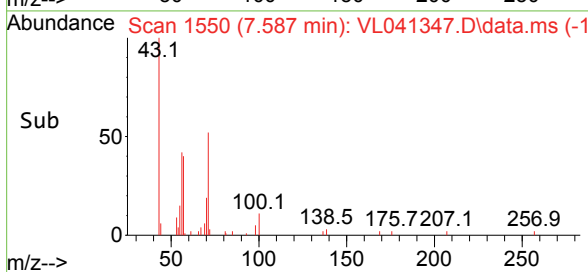
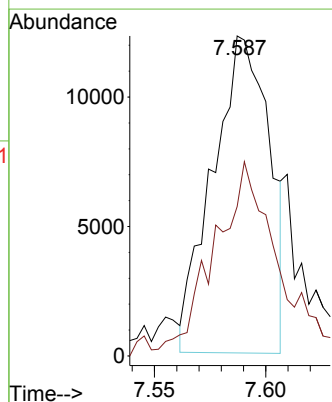
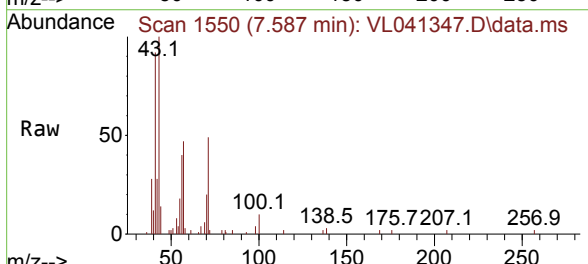
Instrument :
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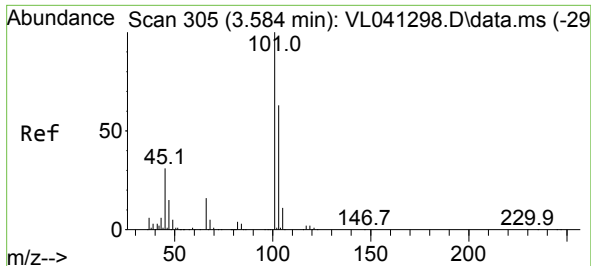
Tgt Ion: 41 Resp: 96725
 Ion Ratio Lower Upper
 41 100
 42 60.5 55.2 82.8



#10
 Heptane
 Concen: 0.148 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Tgt Ion: 43 Resp: 21663
 Ion Ratio Lower Upper
 43 100
 57 72.0 39.0 58.4#

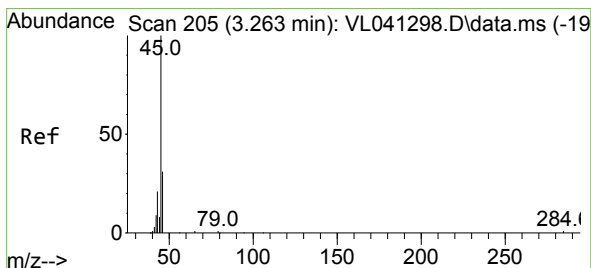
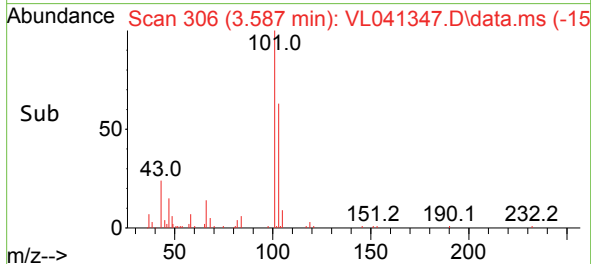
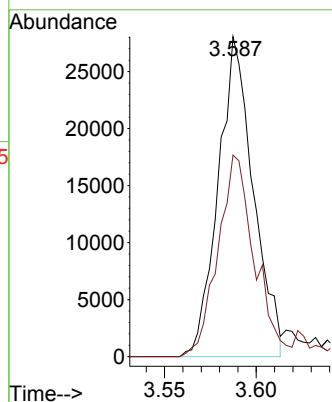
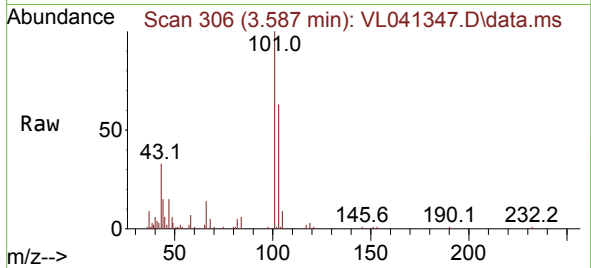




#11
 Trichlorofluoromethane
 Concen: 0.232 ppbv
 RT: 3.587 min Scan# 305
 Delta R.T. 0.000 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

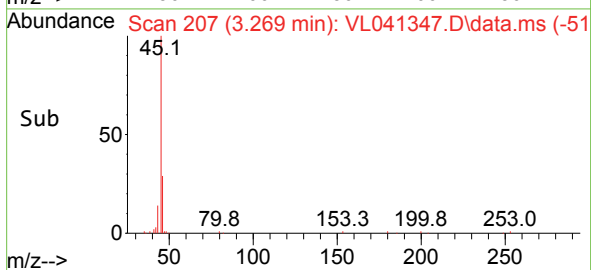
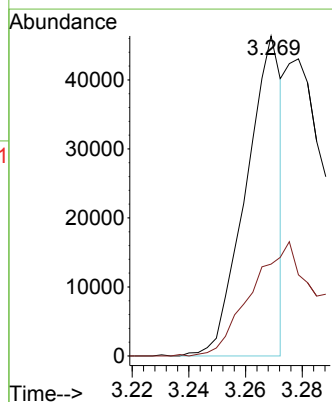
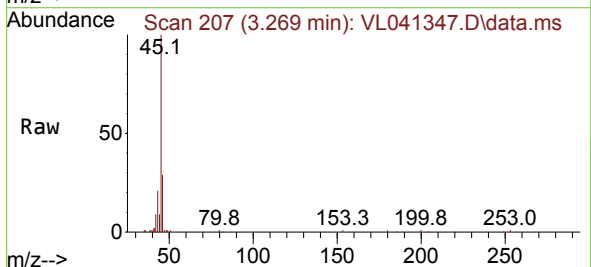
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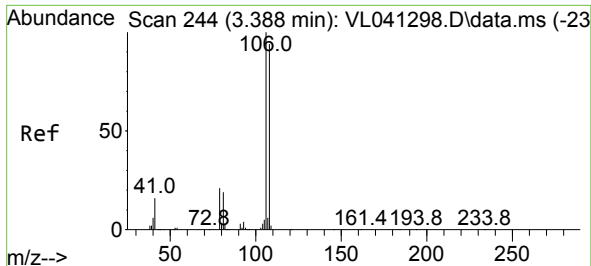
Tgt Ion:101 Resp: 37377
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.6 76.0



#13
 Ethanol
 Concen: 2.508 ppbv
 RT: 3.269 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Tgt Ion: 45 Resp: 40307
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.2 56.6#





#14

Bromoethene

Concen: 0.034 ppbv

RT: 3.394 min Scan# 244

Delta R.T. 0.003 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

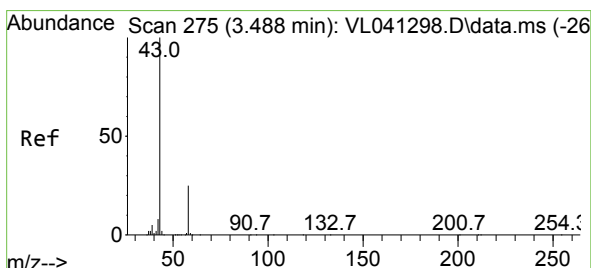
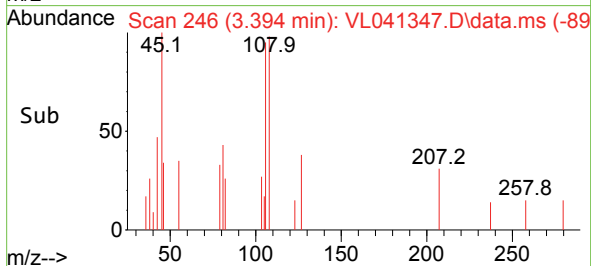
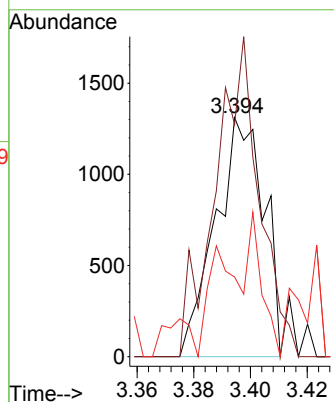
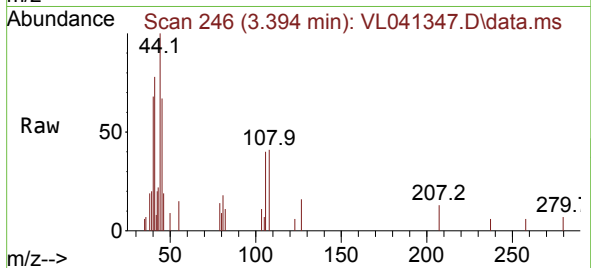
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:108 Resp: 1550

Ion	Ratio	Lower	Upper
108	100		
106	121.4	85.4	128.0
79	71.8	17.8	26.8



#15

Acetone

Concen: 6.128 ppbv

RT: 3.494 min Scan# 277

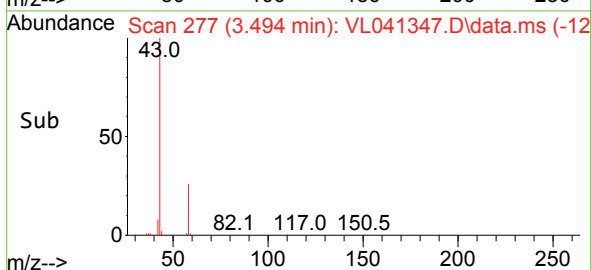
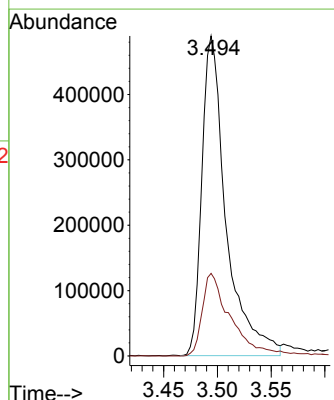
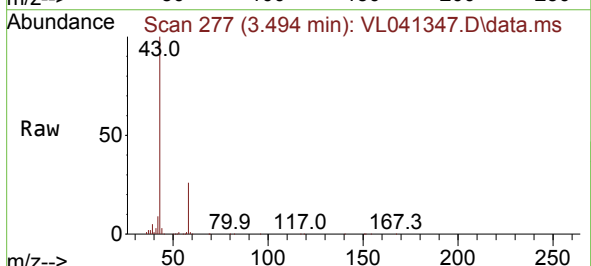
Delta R.T. 0.000 min

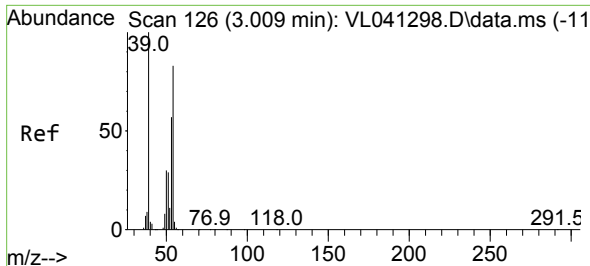
Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Tgt Ion: 43 Resp: 767701

Ion	Ratio	Lower	Upper
43	100		
58	31.3	20.6	31.0

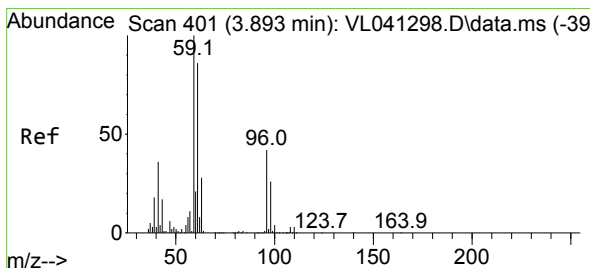
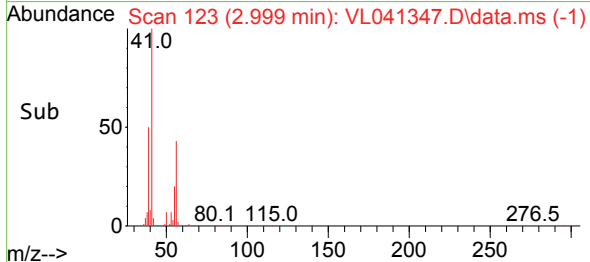
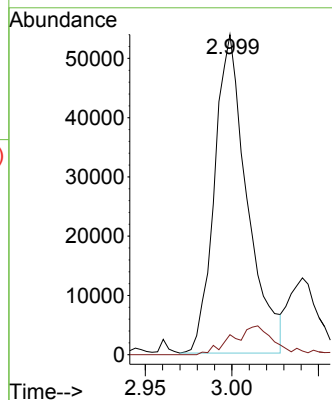
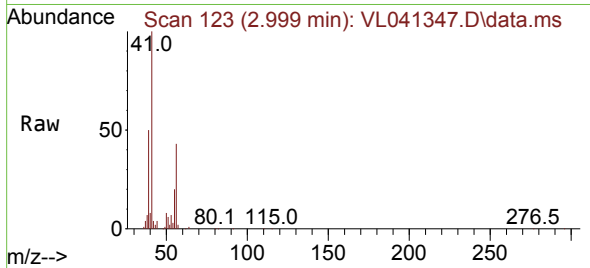




#16
1,3-Butadiene
Concen: 1.119 ppbv
RT: 2.999 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

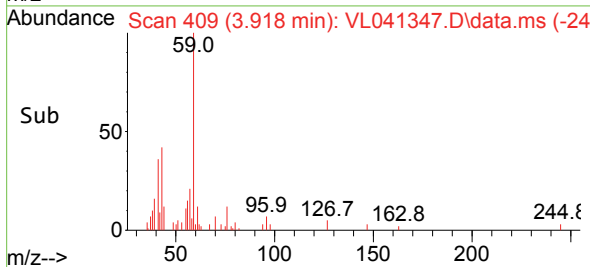
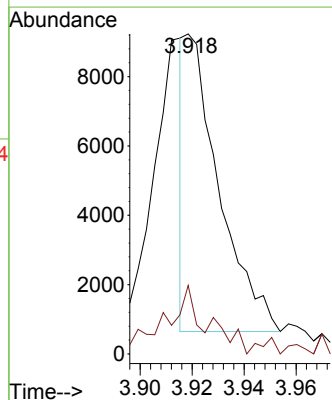
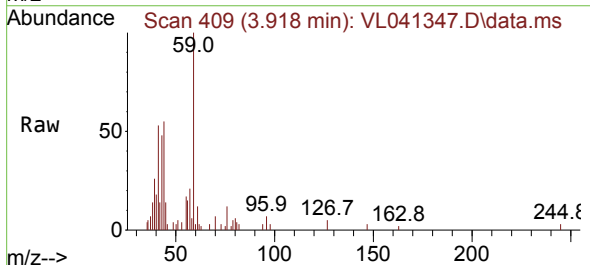
Instrument :
MSVOA_L
ClientSampleId :

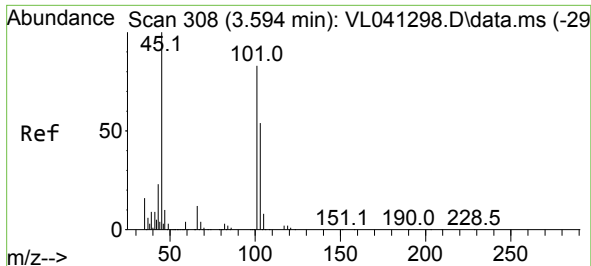
Tgt Ion: 39 Resp: 70494
Ion Ratio Lower Upper
39 100
54 12.2 60.5 90.7#



#17
tert-Butyl alcohol
Concen: 0.068 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.019 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 59 Resp: 7814
Ion Ratio Lower Upper
59 100
57 34.3 9.0 13.4#

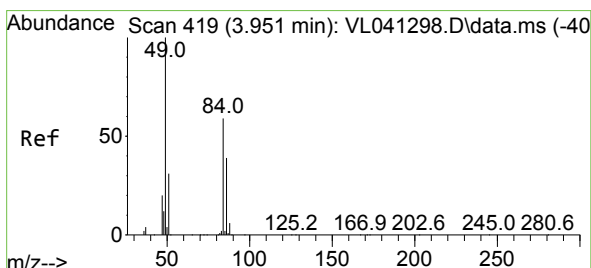
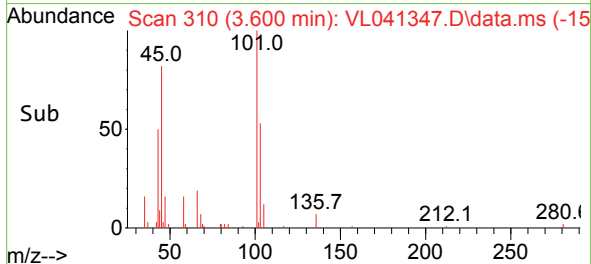
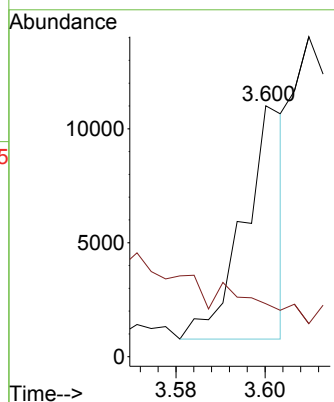
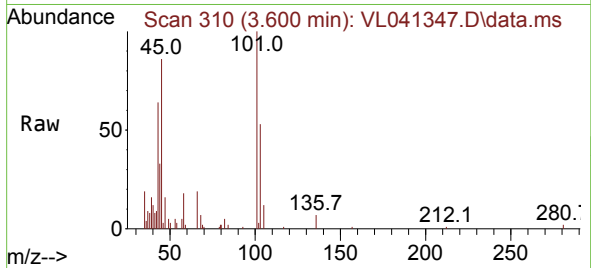




#19
Isopropyl Alcohol
Concen: 0.083 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

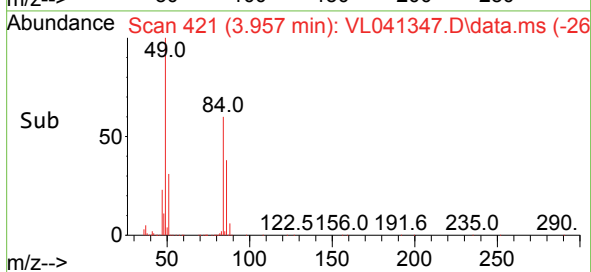
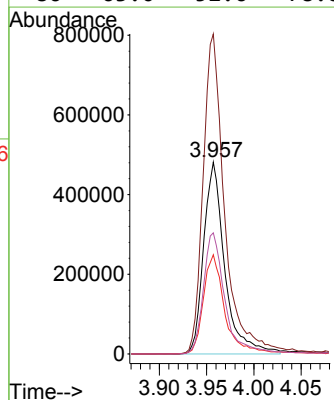
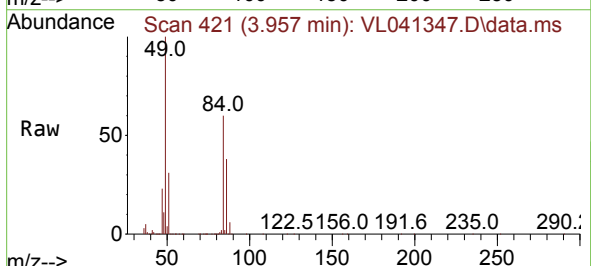
Instrument :
MSVOA_L
ClientSampleId :

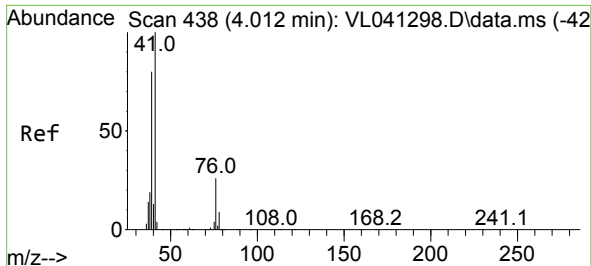
Tgt Ion: 45 Resp: 6499
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#



#20
Methylene Chloride
Concen: 16.453 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 84 Resp: 749192
Ion Ratio Lower Upper
84 100
49 166.7 136.2 204.2
51 51.5 41.9 62.9
86 63.0 52.6 78.8





#21

Allyl Chloride

Concen: 0.036 ppbv

RT: 4.018 min Scan# 440

Delta R.T. 0.000 min

Lab File: VL041347.D

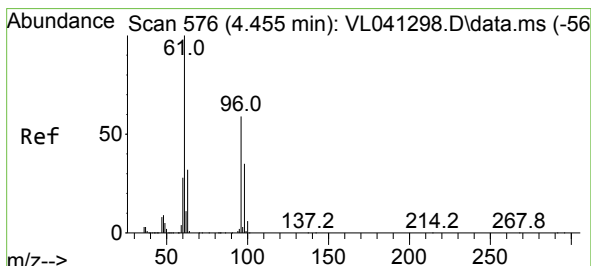
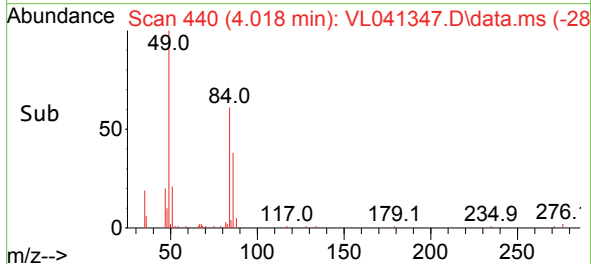
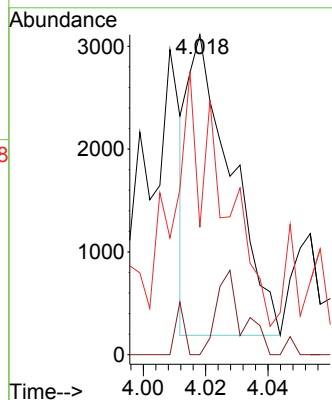
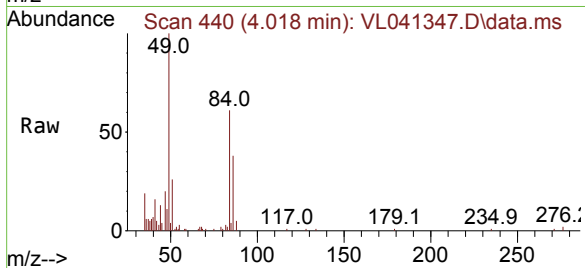
Acq: 11 Jun 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	41	Resp:	2831
Ion Ratio	Lower	Upper	
41	100		
76	0.0	22.3	33.5#
39	111.3	66.3	99.5#



#22

trans-1,2-Dichloroethene

Concen: 0.035 ppbv

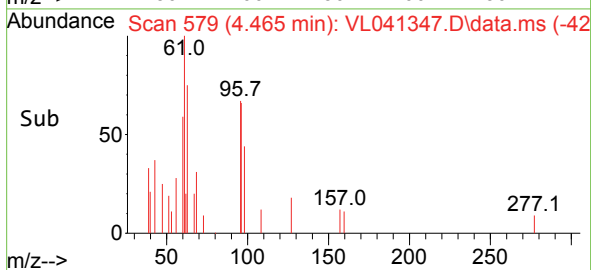
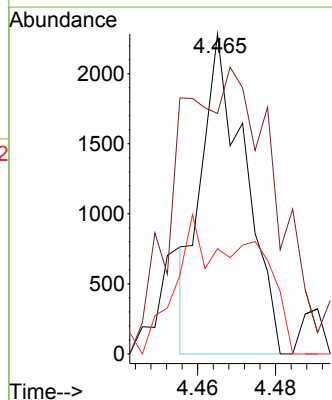
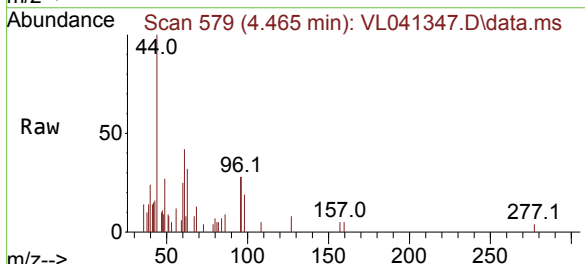
RT: 4.465 min Scan# 579

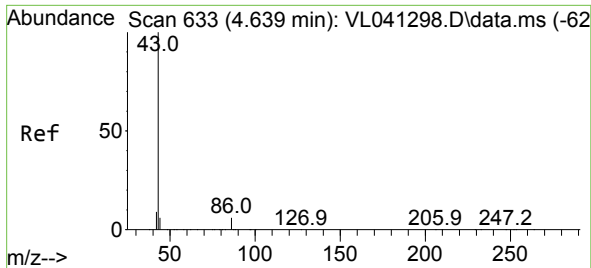
Delta R.T. 0.000 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

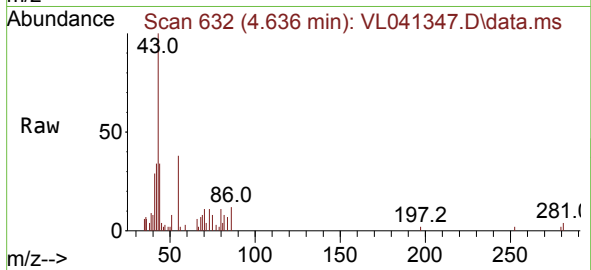
Tgt Ion:	96	Resp:	1765
Ion Ratio	Lower	Upper	
96	100		
61	42.6	135.5	203.3#
98	13.4	47.6	71.4#



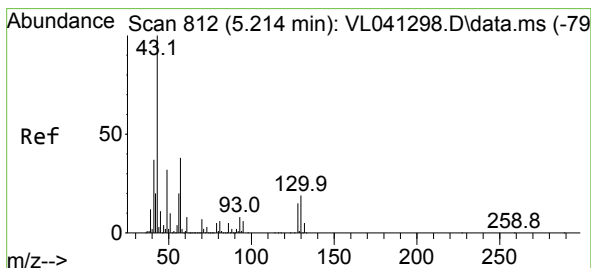
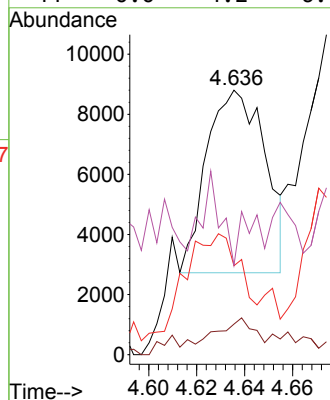
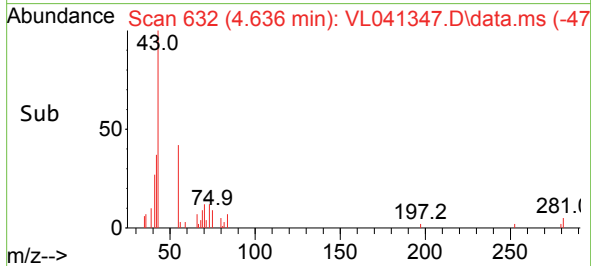


#23
 Vinyl Acetate
 Concen: 0.080 ppbv
 RT: 4.636 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Instrument :
 MSVOA_L
 ClientSampleId :

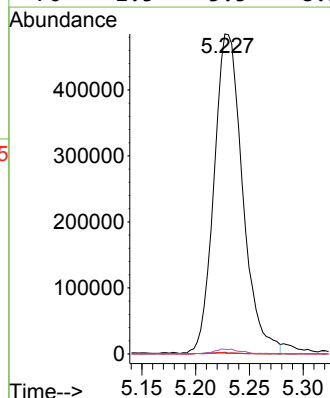
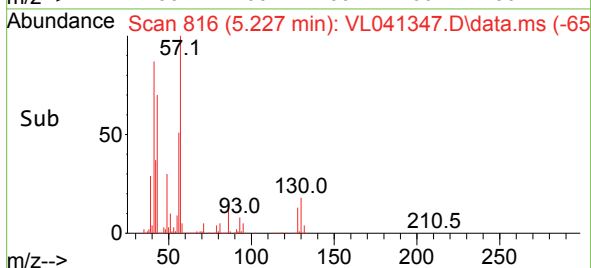
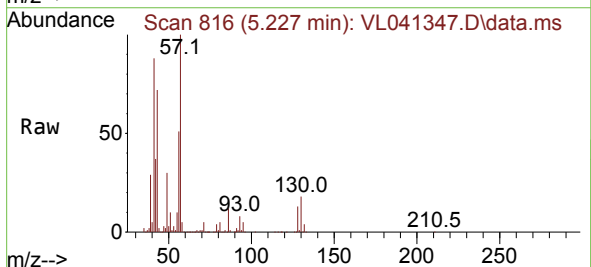


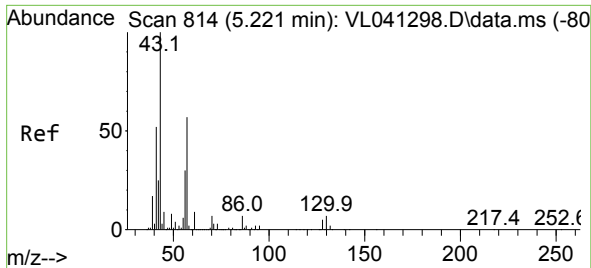
Tgt Ion:	43	Resp:	10286
Ion	Ratio	Lower	Upper
43	100		
86	12.6	4.7	7.1#
42	29.3	8.0	12.0#
44	0.0	4.2	6.4#



#25
 Ethyl Acetate
 Concen: 3.606 ppbv
 RT: 5.227 min Scan# 816
 Delta R.T. 0.007 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Tgt Ion:	43	Resp:	893716
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.1	12.1#
61	0.5	7.4	11.0#
70	1.5	5.5	8.3#

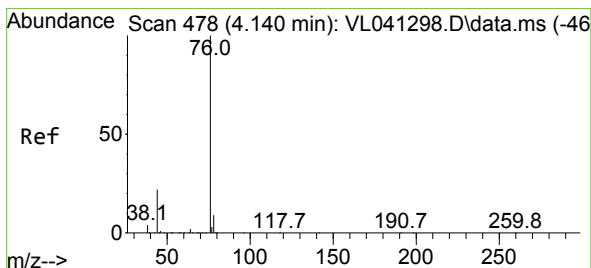
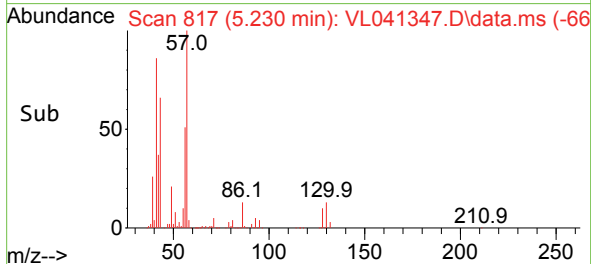
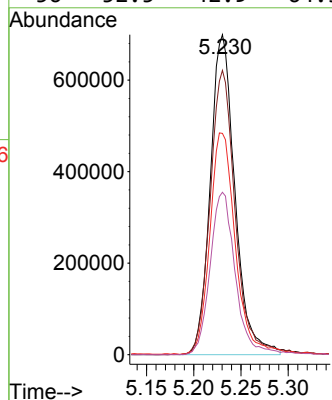
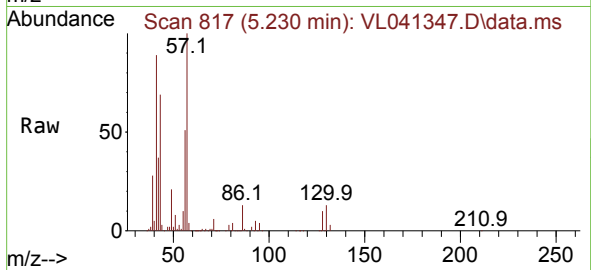




#26
Hexane
Concen: 11.360 ppbv
RT: 5.230 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

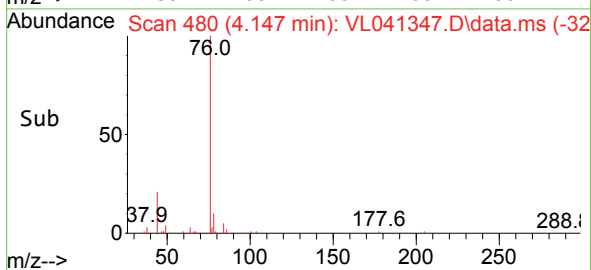
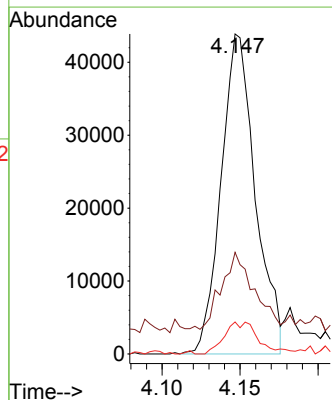
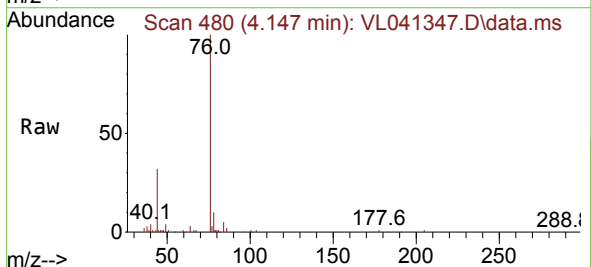
Instrument :
MSVOA_L
ClientSampleId :

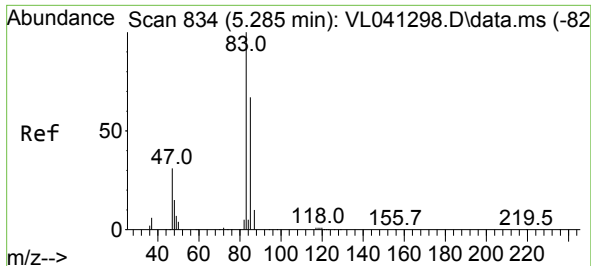
Tgt Ion: 57 Resp: 1266142
Ion Ratio Lower Upper
57 100
41 91.8 77.1 115.7
43 72.3 186.1 279.1#
56 52.5 42.9 64.3



#27
Carbon Disulfide
Concen: 0.543 ppbv
RT: 4.147 min Scan# 480
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 76 Resp: 67021
Ion Ratio Lower Upper
76 100
44 27.7 17.7 26.5#
78 10.2 7.8 11.6





#29

Chloroform

Concen: 0.096 ppbv

RT: 5.291 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Instrument :

MSVOA_L

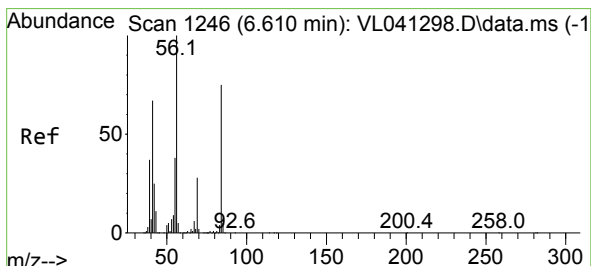
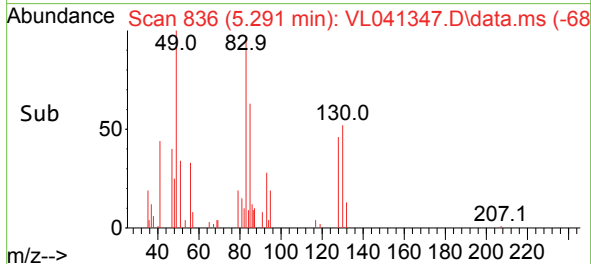
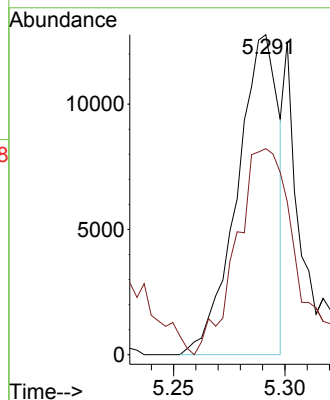
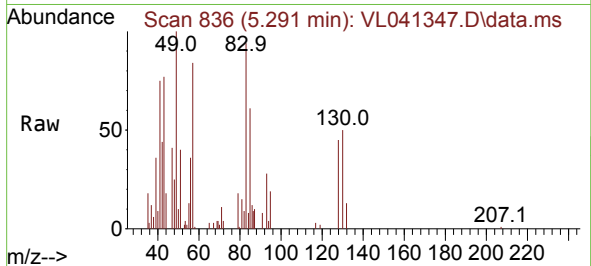
ClientSampleId :

Tgt Ion: 83 Resp: 16446

Ion Ratio Lower Upper

83 100

85 58.6 53.3 79.9



#30

Cyclohexane

Concen: 0.103 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

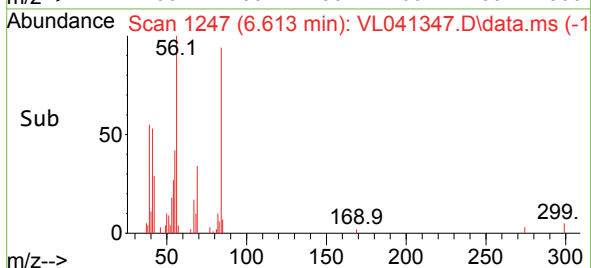
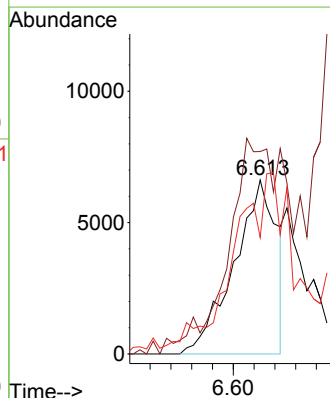
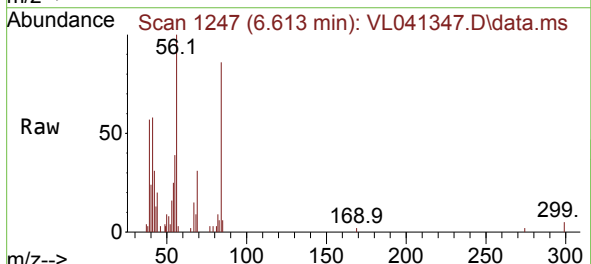
Tgt Ion: 84 Resp: 9346

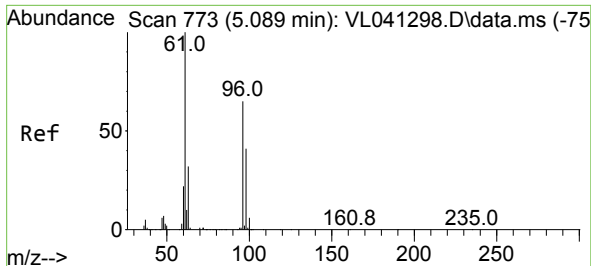
Ion Ratio Lower Upper

84 100

56 0.0 114.9 172.3#

41 146.6 74.4 111.6#





#31

cis-1,2-Dichloroethene

Concen: 0.035 ppbv

RT: 5.092 min Scan# 71

Delta R.T. -0.003 min

Lab File: VL041347.D

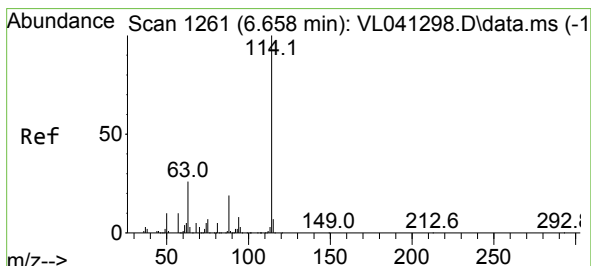
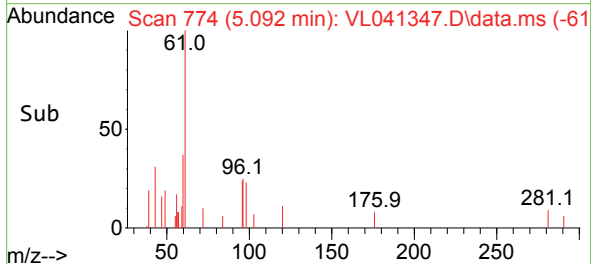
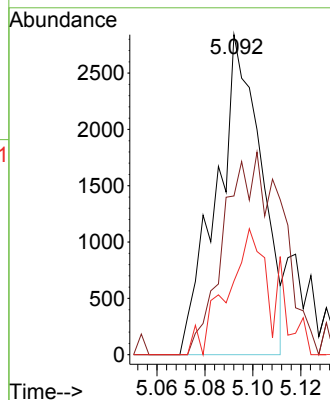
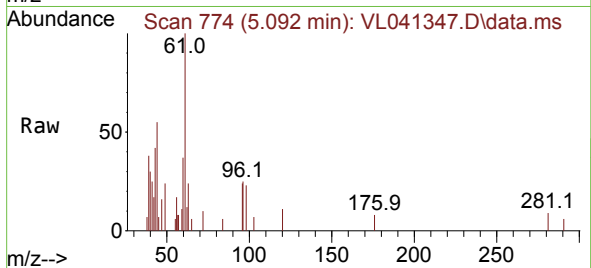
Acq: 11 Jun 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	61	Resp:	3696
Ion	Ratio	Lower	Upper
61	100		
96	49.6	52.1	78.1#
98	23.0	33.1	49.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

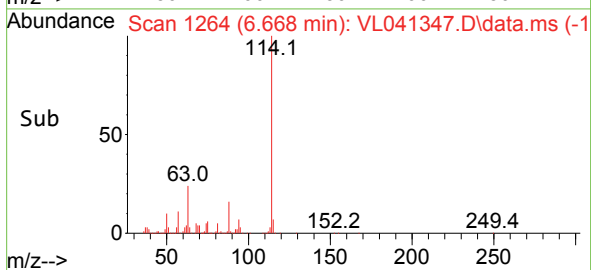
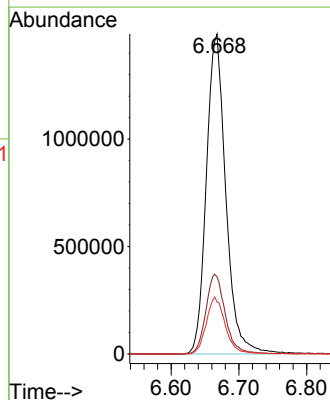
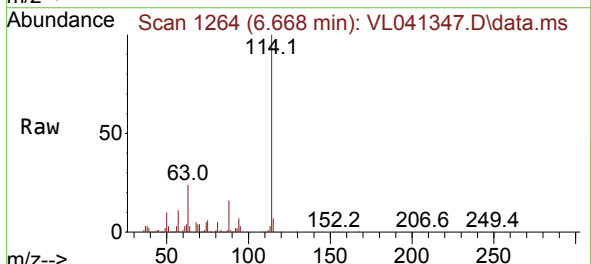
RT: 6.668 min Scan# 1264

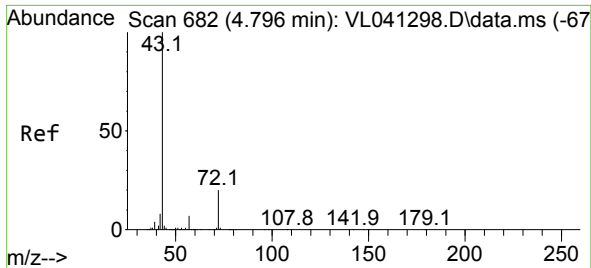
Delta R.T. 0.000 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Tgt Ion:	114	Resp:	2964622
Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.6	30.8
88	17.5	14.5	21.7

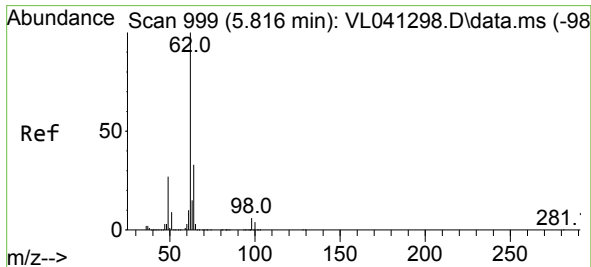
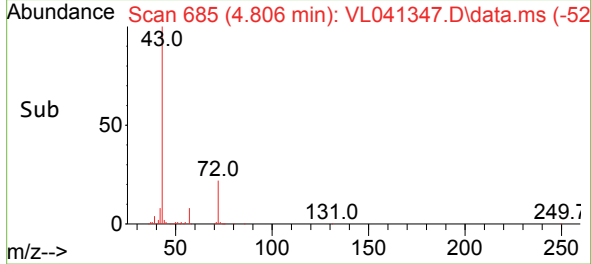
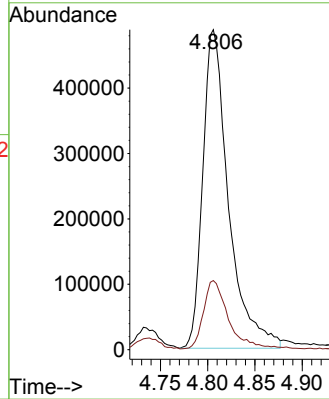
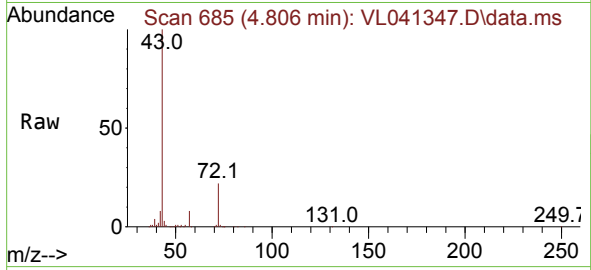




#34
2-Butanone
Concen: 6.505 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

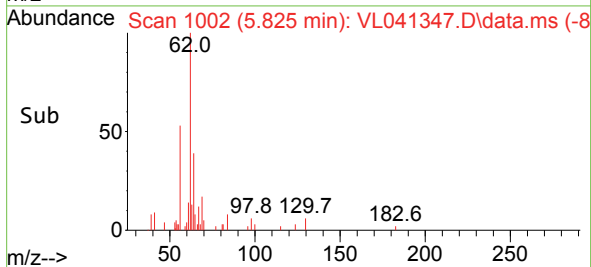
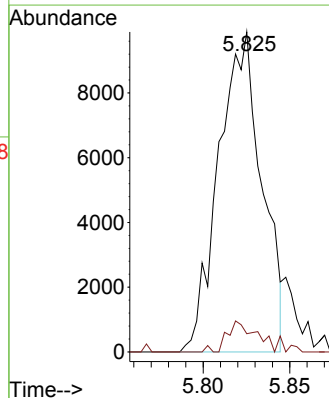
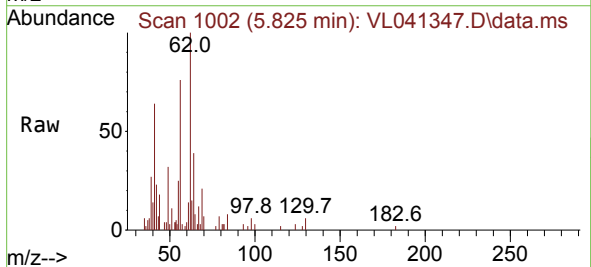
Instrument :
MSVOA_L
ClientSampleId :

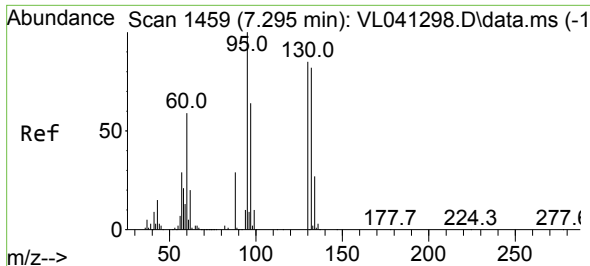
Tgt Ion: 43 Resp: 923920
Ion Ratio Lower Upper
43 100
72 20.8 17.4 26.0



#37
1,2-Dichloroethane
Concen: 0.128 ppbv
RT: 5.825 min Scan# 1002
Delta R.T. 0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

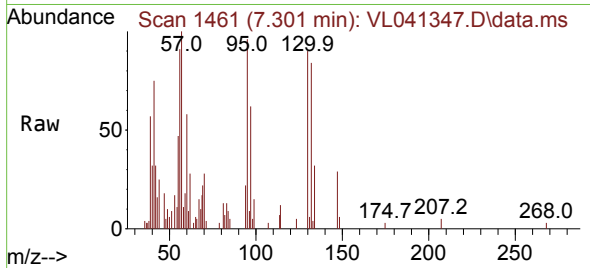
Tgt Ion: 62 Resp: 17108
Ion Ratio Lower Upper
62 100
98 7.4 4.8 7.2#



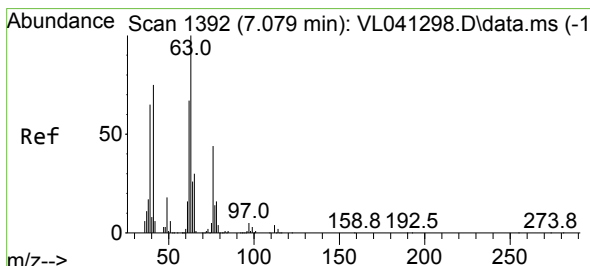
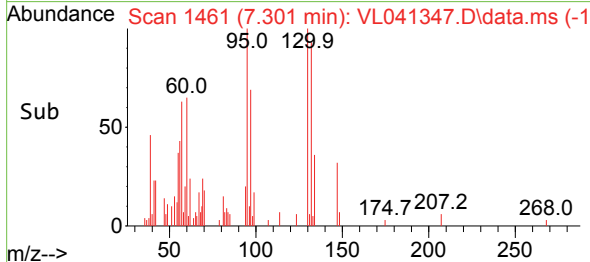
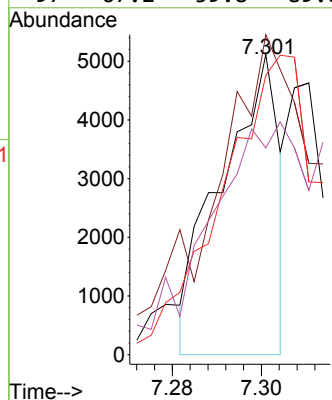


#38
 Trichloroethene
 Concen: 0.050 ppbv
 RT: 7.301 min Scan# 1459
 Delta R.T. -0.003 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Instrument :
 MSVOA_L
 ClientSampleId :

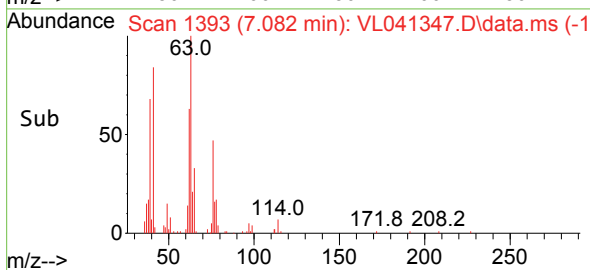
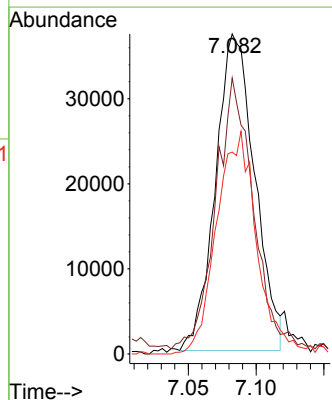
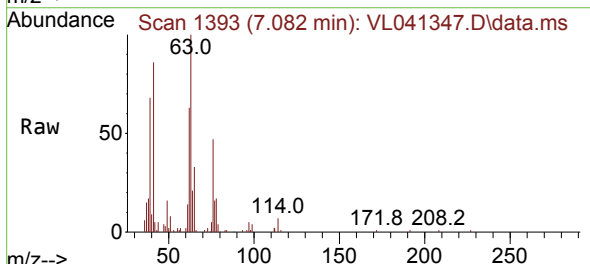


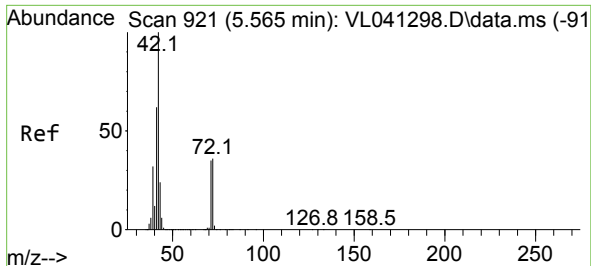
Tgt Ion:130 Resp: 4626
 Ion Ratio Lower Upper
 130 100
 95 77.8 94.0 141.0#
 132 86.6 76.7 115.1
 97 67.2 59.8 89.8



#39
 1,2-Dichloropropane
 Concen: 0.818 ppbv
 RT: 7.082 min Scan# 1393
 Delta R.T. -0.006 min
 Lab File: VL041347.D
 Acq: 11 Jun 2024 14:56

Tgt Ion: 63 Resp: 74868
 Ion Ratio Lower Upper
 63 100
 41 83.7 59.9 89.9
 62 63.3 53.8 80.6

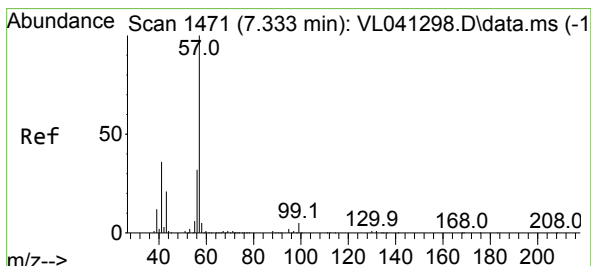
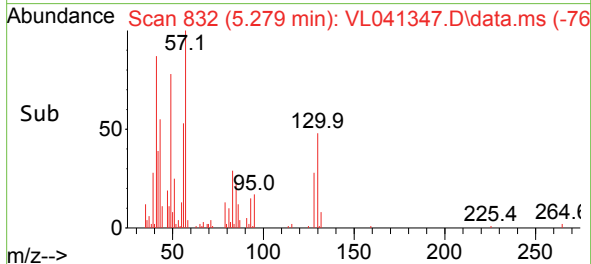
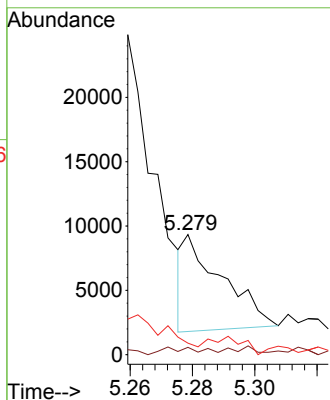
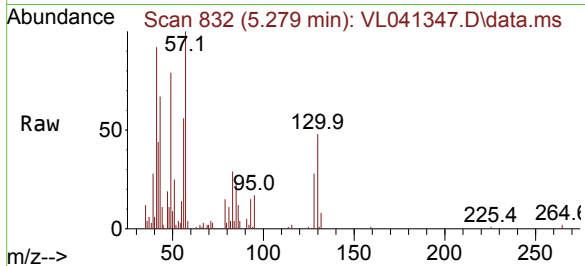




#41
Tetrahydrofuran
Concen: 0.069 ppbv
RT: 5.279 min Scan# 81
Delta R.T. -0.296 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

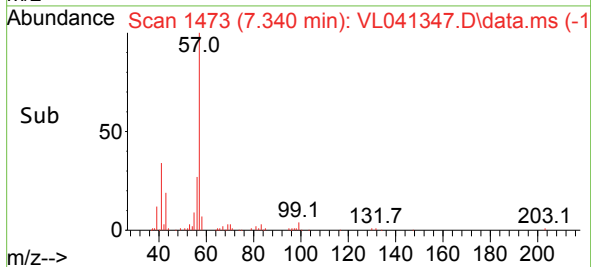
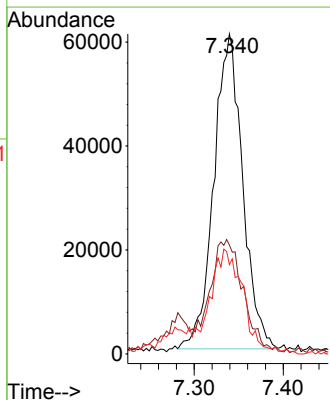
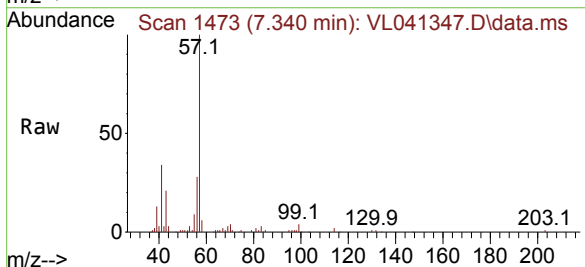
Instrument :
MSVOA_L
ClientSampleId :

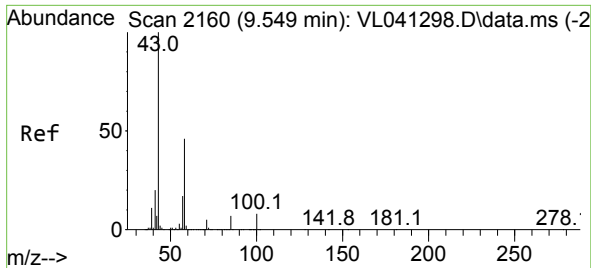
Tgt Ion: 42 Resp: 6395
Ion Ratio Lower Upper
42 100
72 13.1 30.2 45.4#
71 0.0 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.345 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 57 Resp: 136245
Ion Ratio Lower Upper
57 100
41 41.3 29.4 44.2
56 47.0 25.0 37.4#

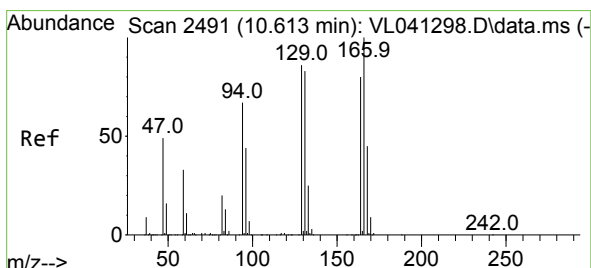
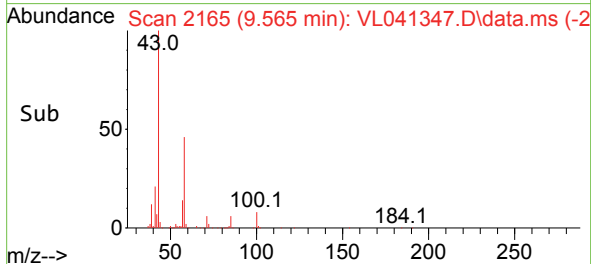
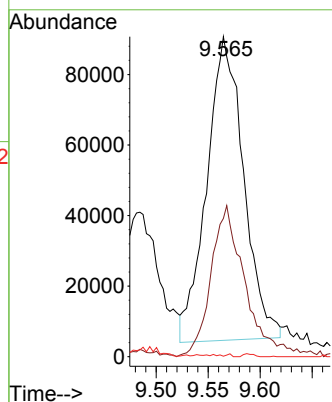
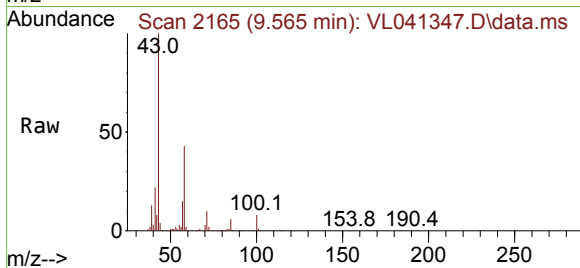




#51
2-Hexanone
Concen: 1.267 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.007 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

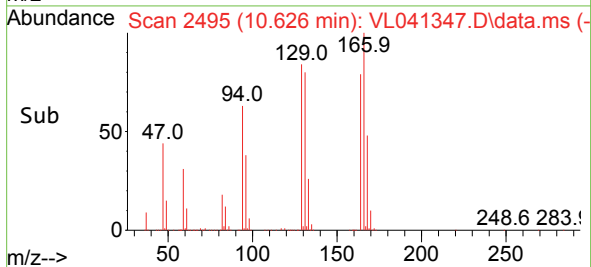
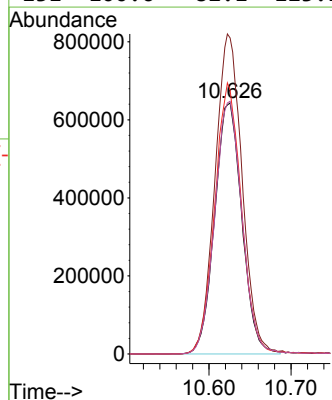
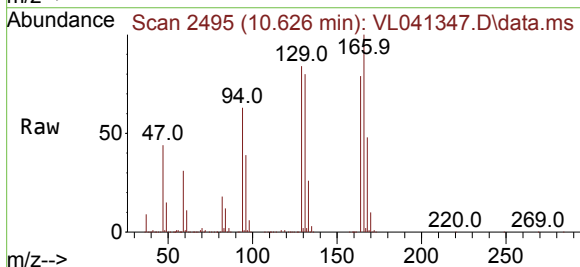
Instrument :
MSVOA_L
ClientSampleId :

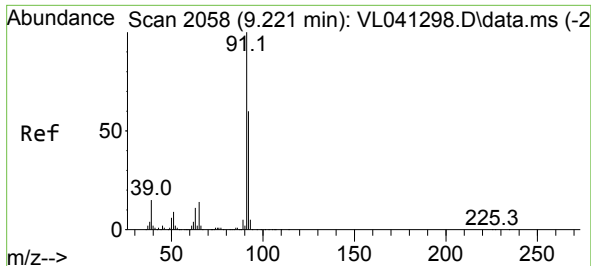
Tgt Ion: 43 Resp: 211734
Ion Ratio Lower Upper
43 100
58 45.4 37.4 56.0
98 0.7 0.2 0.4#



#52
Tetrachloroethene
Concen: 17.632 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion:164 Resp: 1477568
Ion Ratio Lower Upper
164 100
166 125.8 99.4 149.0
129 105.1 85.4 128.2
131 100.6 82.1 123.1

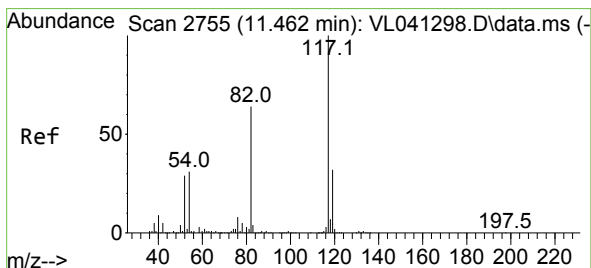
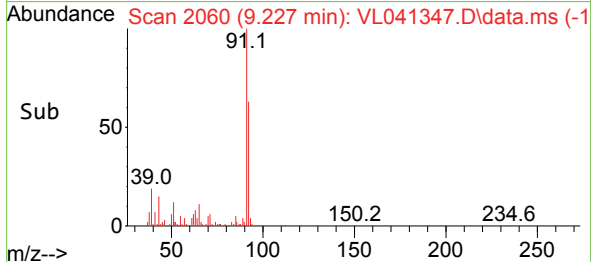
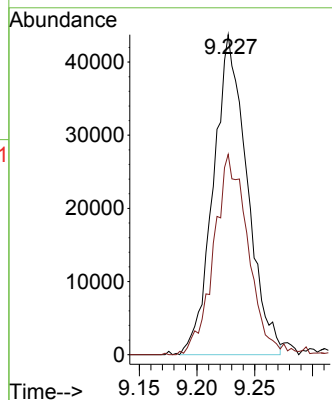
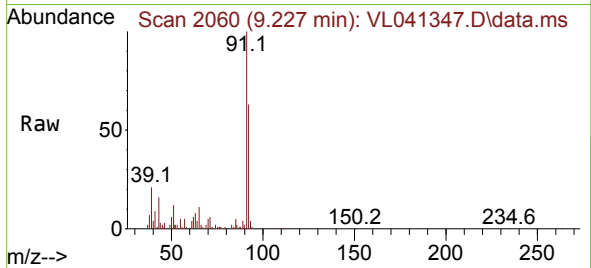




#53
Toluene
Concen: 0.336 ppbv
RT: 9.227 min Scan# 2058
Delta R.T. -0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

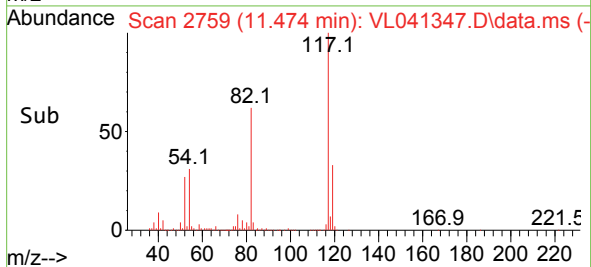
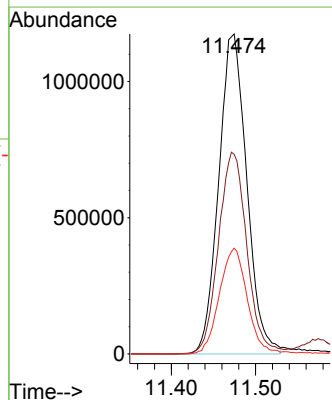
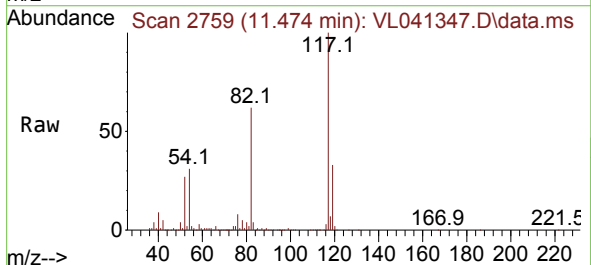
Instrument :
MSVOA_L
ClientSampleId :

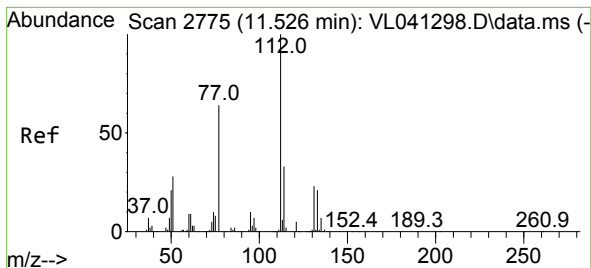
Tgt Ion: 91 Resp: 88709
Ion Ratio Lower Upper
91 100
92 64.4 49.2 73.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 117 Resp: 2714803
Ion Ratio Lower Upper
117 100
82 63.9 52.3 78.5
119 33.3 26.2 39.2





#57

Chlorobenzene

Concen: 0.051 ppbv

RT: 11.536 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

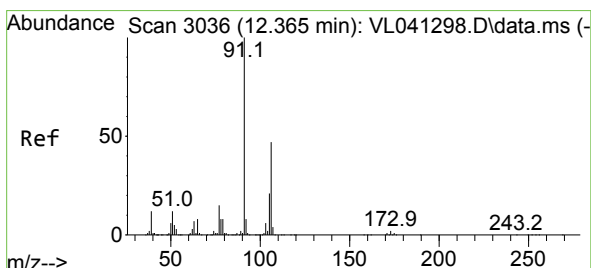
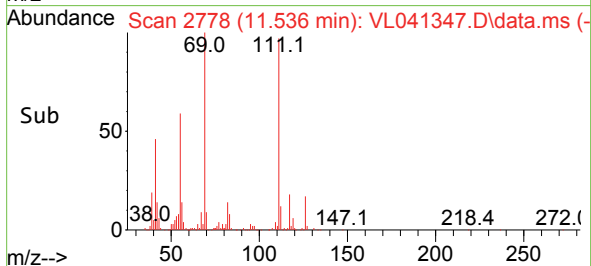
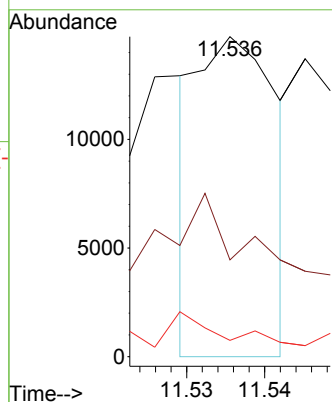
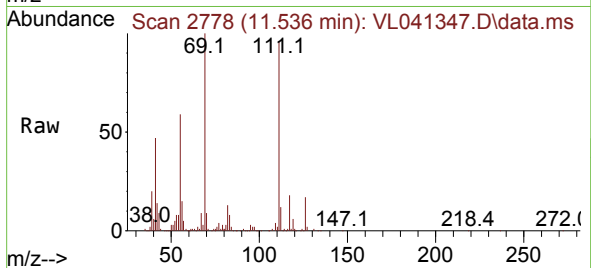
Tgt Ion:112 Resp: 10291

Ion Ratio Lower Upper

112 100

77 0.0 52.0 78.0#

114 2.9 29.8 36.4#



#59

m/p-Xylene

Concen: 0.057 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. -0.003 min

Lab File: VL041347.D

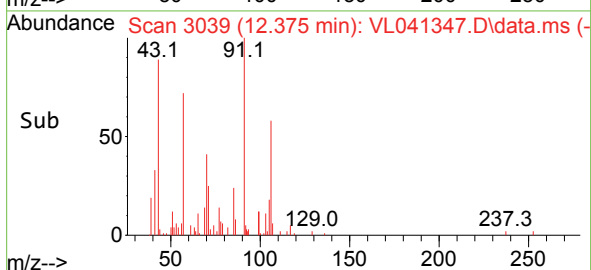
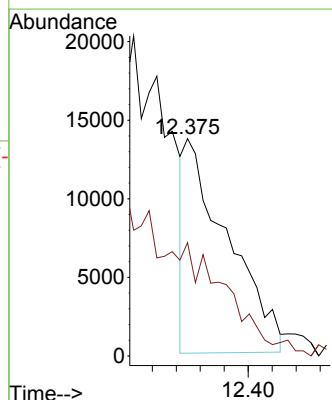
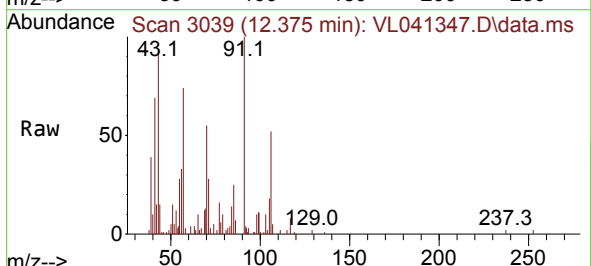
Acq: 11 Jun 2024 14:56

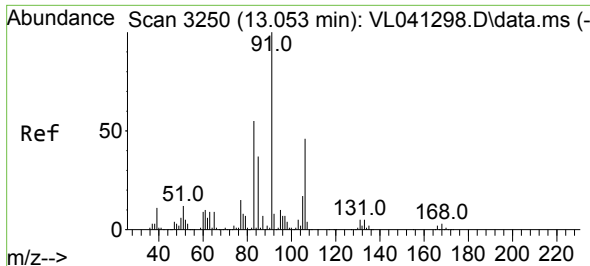
Tgt Ion: 91 Resp: 17049

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#

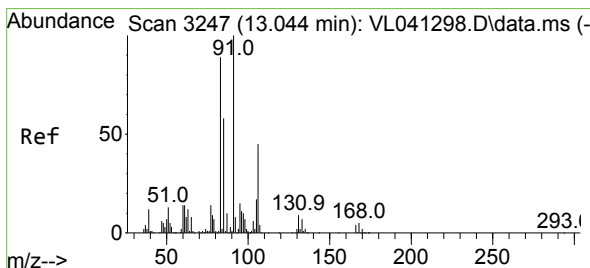
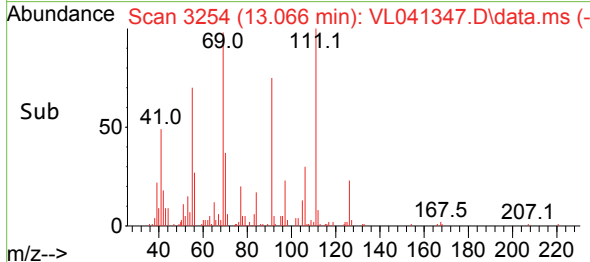
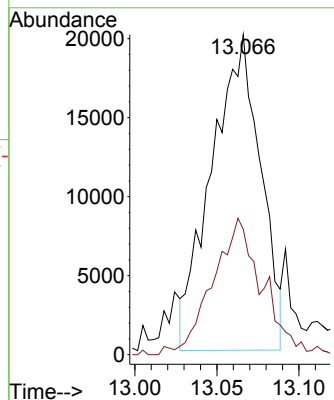
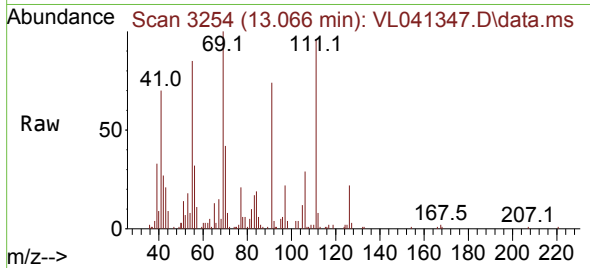




#60
o-Xylene
Concen: 0.145 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

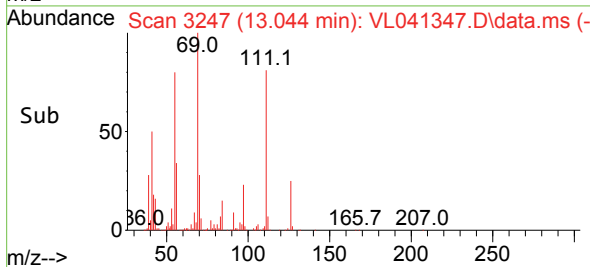
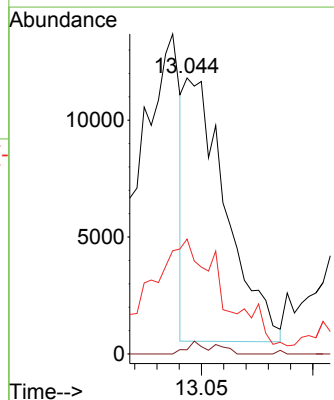
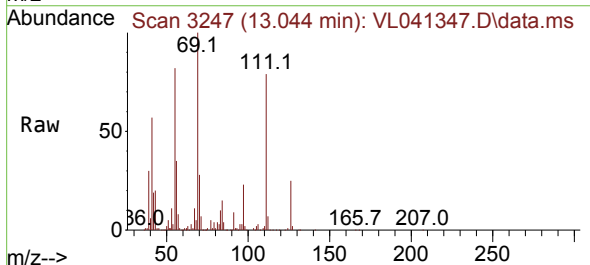
Instrument :
MSVOA_L
ClientSampleId :

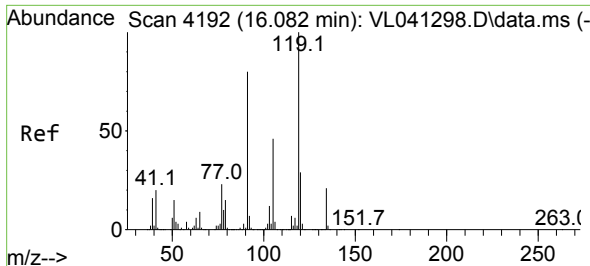
Tgt Ion: 91 Resp: 41317
Ion Ratio Lower Upper
91 100
106 44.2 22.8 68.4



#63
1,1,2,2-Tetrachloroethane
Concen: 0.072 ppbv
RT: 13.044 min Scan# 3247
Delta R.T. -0.010 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 83 Resp: 14515
Ion Ratio Lower Upper
83 100
131 3.1 4.7 14.1#
85 69.8 32.6 97.7

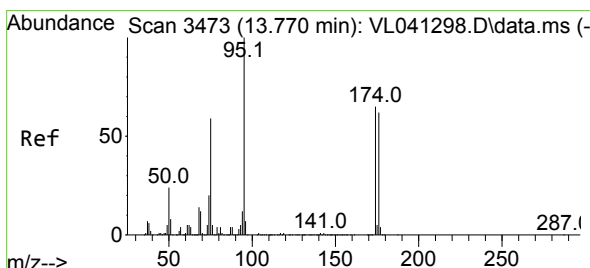
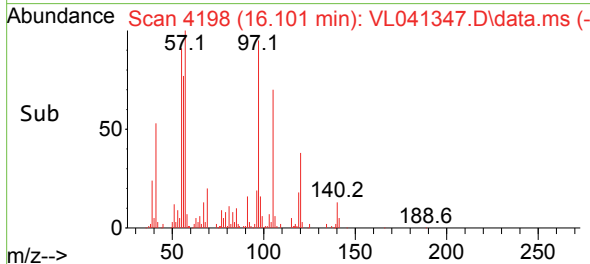
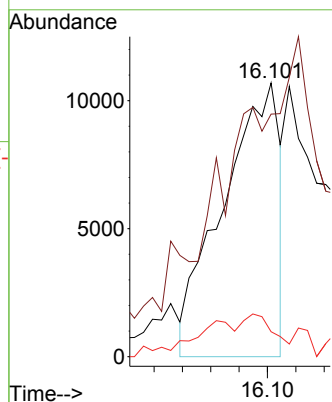
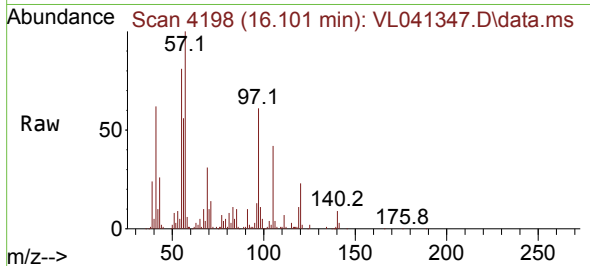




#65
tert-Butylbenzene
Concen: 0.039 ppbv
RT: 16.101 min Scan# 4192
Delta R.T. 0.007 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

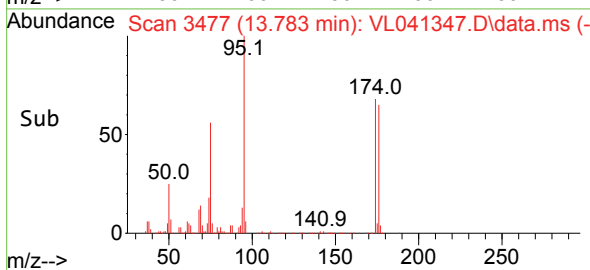
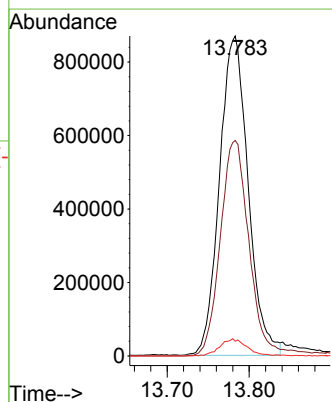
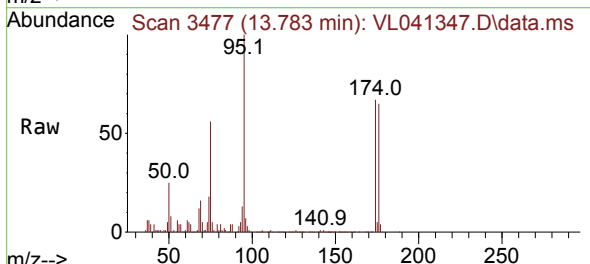
Instrument :
MSVOA_L
ClientSampleId :

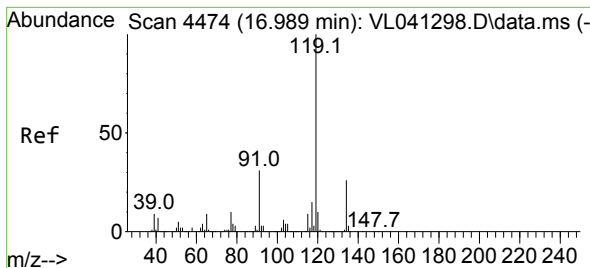
Tgt Ion:119 Resp: 14826
Ion Ratio Lower Upper
119 100
91 0.0 66.5 99.7#
134 25.6 15.7 23.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.083 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.003 min
Lab File: VL041347.D
Acq: 11 Jun 2024 14:56

Tgt Ion: 95 Resp: 2113457
Ion Ratio Lower Upper
95 100
174 69.5 52.2 78.2
175 5.2 4.1 6.1





#69

p-Isopropyltoluene

Concen: 0.045 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

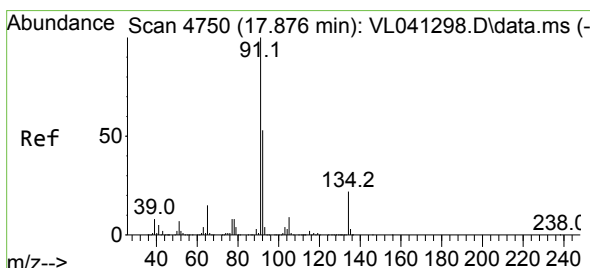
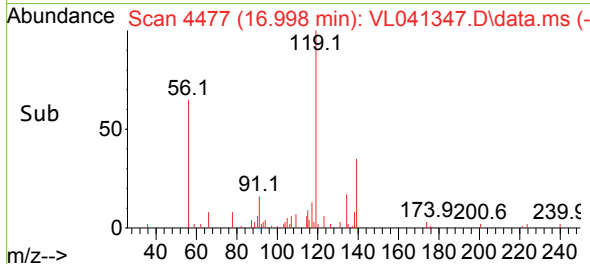
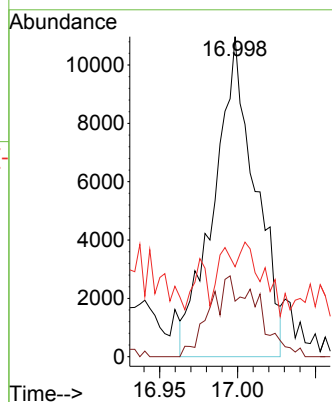
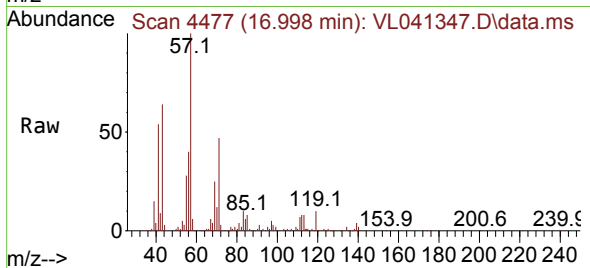
Tgt Ion:119 Resp: 20187

Ion Ratio Lower Upper

119 100

134 28.9 20.1 30.1

91 34.3 24.1 36.1



#70

n-Butylbenzene

Concen: 0.053 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. -0.006 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

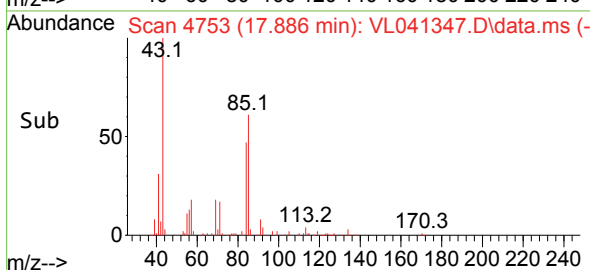
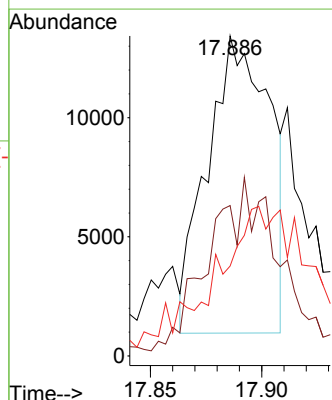
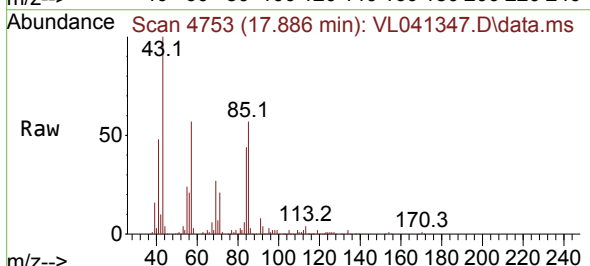
Tgt Ion: 91 Resp: 24256

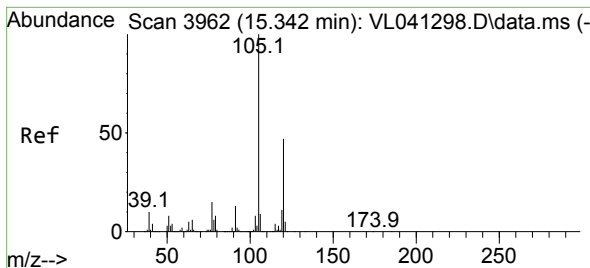
Ion Ratio Lower Upper

91 100

92 74.6 42.9 64.3#

134 82.8 17.9 26.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.069 ppbv

RT: 15.362 min Scan# 3962

Delta R.T. 0.003 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Instrument :

MSVOA_L

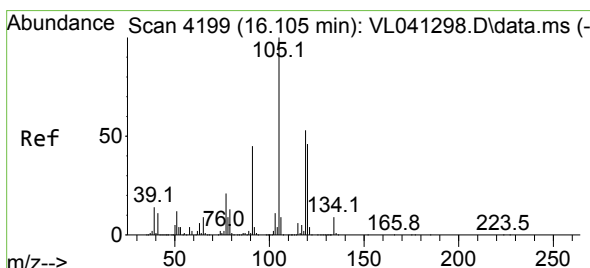
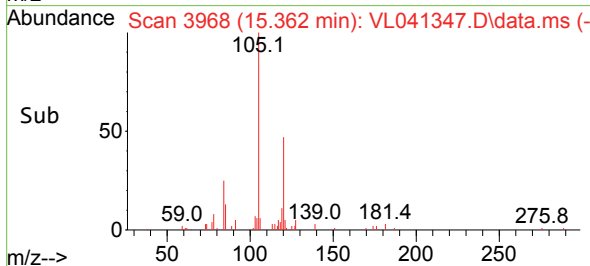
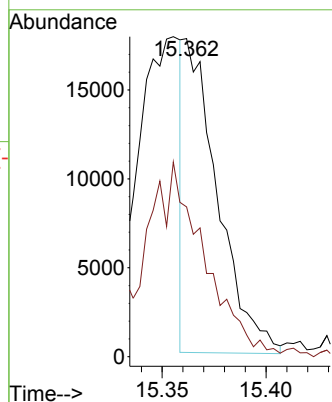
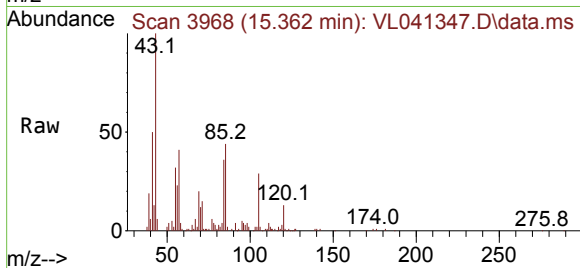
ClientSampleId :

Tgt Ion:105 Resp: 19755

Ion Ratio Lower Upper

105 100

120 47.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.202 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.003 min

Lab File: VL041347.D

Acq: 11 Jun 2024 14:56

Tgt Ion:105 Resp: 65545

Ion Ratio Lower Upper

105 100

120 33.8 37.0 55.6#

91 16.7 36.2 54.4#

77 12.8 16.6 24.8#

