

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041447.D
 Acq On : 30 Jul 2024 3:13
 Operator : SY/MD
 Sample : P3356-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 06:47:30 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	5.201	49	1100150	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.658	114	2931106	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.468	117	2721567	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2123718	10.140	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	92332	0.488	ppbv	97
3) Chlorodifluoromethane	2.655	51	540384	4.126	ppbv #	62
4) Chloromethane	2.816	50	47245	0.678	ppbv	98
7) Chloroethane	3.095	64	2698	0.114	ppbv #	44
9) Propene	2.877	41	882989	14.676	ppbv	97
10) Heptane	7.584	43	458179	3.389	ppbv	100
11) Trichlorofluoromethane	3.571	101	33863	0.201	ppbv	98
12) 1,1,2-Trichlorotri fluo...	4.079	101	5936	0.049	ppbv #	76
13) Ethanol	3.259	45	7137393	1327.321	ppbv	94
15) Acetone	3.475	43	4130551	33.044	ppbv	93
16) 1,3-Butadiene	2.973	39	17734	0.266	ppbv #	44
17) tert-Butyl alcohol	3.912	59	26285	0.231	ppbv #	72
19) Isopropyl Alcohol	3.600	45	469894	6.430	ppbv #	1
20) Methylene Chloride	3.944	84	2521547	54.095	ppbv	97
21) Allyl Chloride	3.944	41	162362	1.981	ppbv #	51
23) Vinyl Acetate	4.616	43	350521	3.672	ppbv #	1
25) Ethyl Acetate	5.221	43	2104951	8.476	ppbv #	86
26) Hexane	5.221	57	2847934	27.646	ppbv #	38
27) Carbon Disulfide	4.134	76	4430	0.037	ppbv #	1
29) Chloroform	5.288	83	24935	0.148	ppbv	89
30) Cyclohexane	6.607	84	32171	0.383	ppbv #	43
31) cis-1,2-Dichloroethene	5.198	61	11830	0.116	ppbv #	31
34) 2-Butanone	4.796	43	131522	0.928	ppbv	98
35) Carbon Tetrachloride	6.497	117	8932	0.055	ppbv #	92
36) Benzene	6.378	78	506427	2.365	ppbv	98
39) 1,2-Dichloropropane	6.658	63	725440	8.847	ppbv #	26
41) Tetrahydrofuran	5.304	42	19140	0.236	ppbv #	37
42) Bromodichloromethane	7.259	83	20969	0.121	ppbv #	33
44) 2,2,4-Trimethylpentane	7.330	57	1238872	3.463	ppbv #	89
50) 4-Methyl-2-Pentanone	8.185	43	8093	0.036	ppbv #	40
51) 2-Hexanone	9.539	43	36184	0.214	ppbv #	49
52) Tetrachloroethene	10.613	164	8438	0.102	ppbv	91
53) Toluene	9.224	91	3442544	14.430	ppbv	99
58) Ethyl Benzene	12.092	91	637755	2.033	ppbv	98
59) m/p-Xylene	12.346	91	1300849	4.804	ppbv	97
60) o-Xylene	13.056	91	465569	1.817	ppbv	99
61) Styrene	12.899	104	129070	1.117	ppbv	99
62) Isopropylbenzene	14.031	105	21149	0.054	ppbv #	46
64) n-propylbenzene	14.918	120	5440	0.053	ppbv #	1
65) tert-Butylbenzene	16.105	119	16063	0.046	ppbv #	32
69) p-Isopropyltoluene	16.998	119	38338	0.095	ppbv	100
72) 4-Ethyltoluene	15.191	105	49773	0.165	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.355	105	16790	0.065	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041447.D
Acq On : 30 Jul 2024 3:13
Operator : SY/MD
Sample : P3356-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 30 06:47:30 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

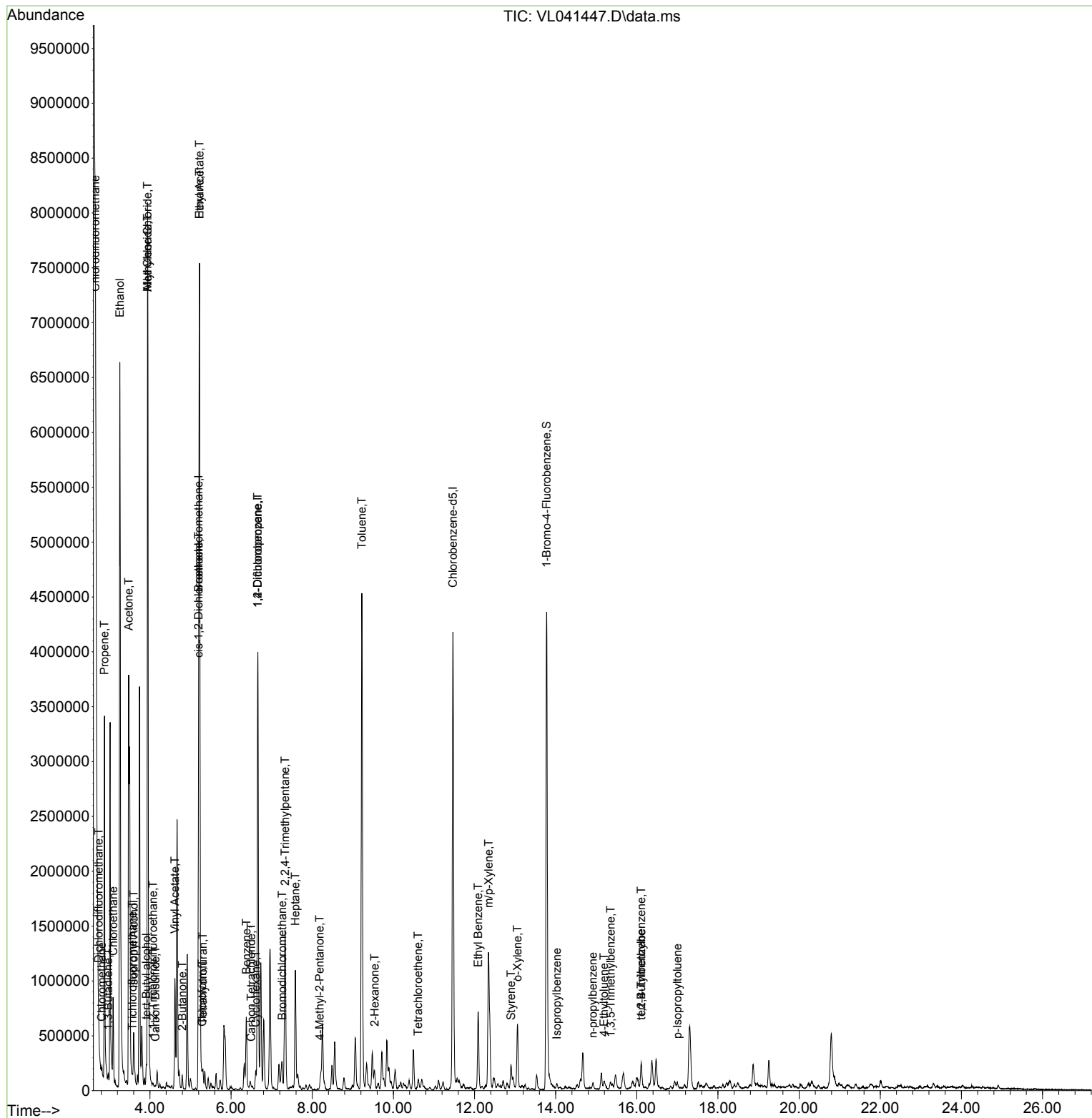
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.108	105	160419	0.531	ppbv	# 72

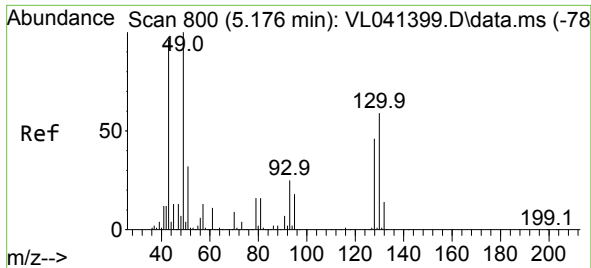
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041447.D
Acq On : 30 Jul 2024 3:13
Operator : SY/MD
Sample : P3356-02DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 30 06:47:30 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

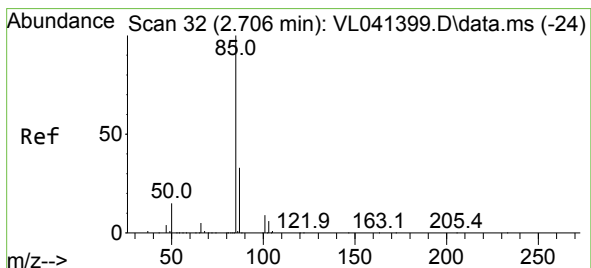
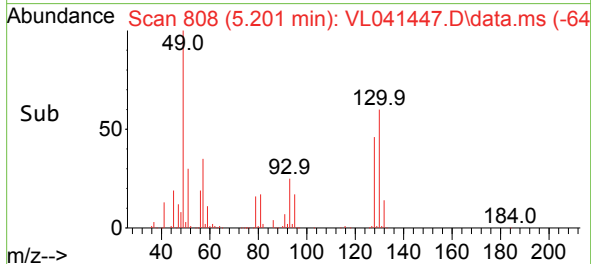
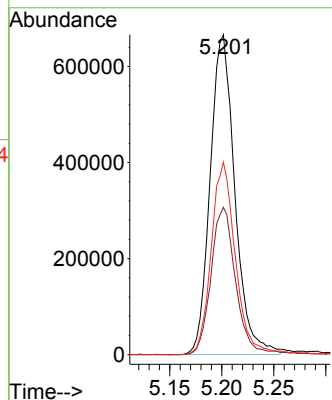
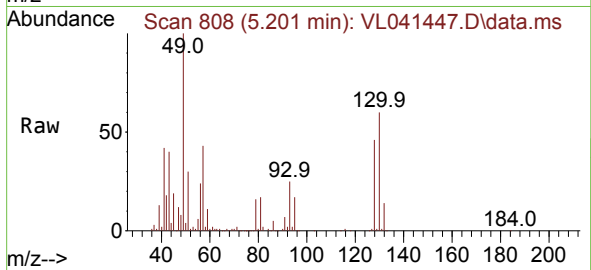




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.022 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

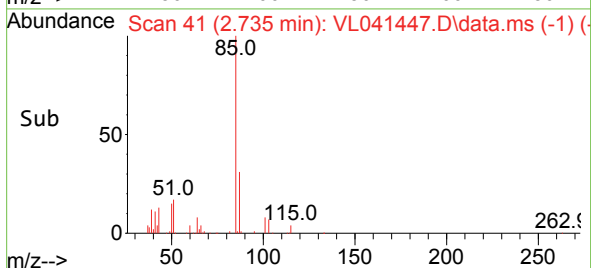
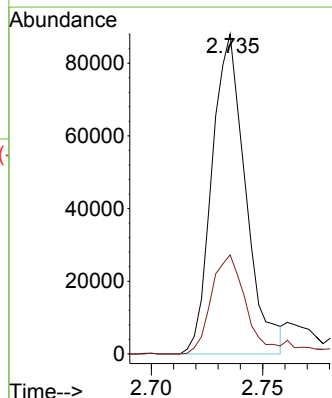
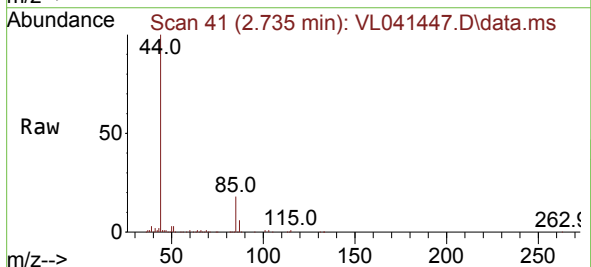
Instrument :
MSVOA_L
ClientSampleId :

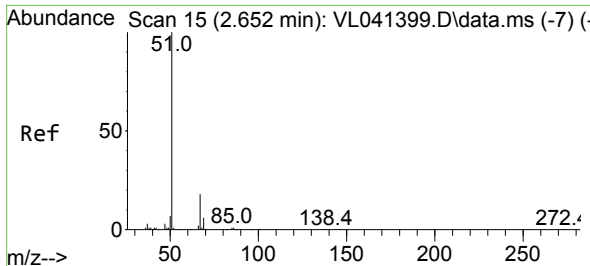
Tgt Ion: 49 Resp: 1100150
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.4
130 59.8 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.488 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 85 Resp: 92332
Ion Ratio Lower Upper
85 100
87 30.9 26.0 39.0

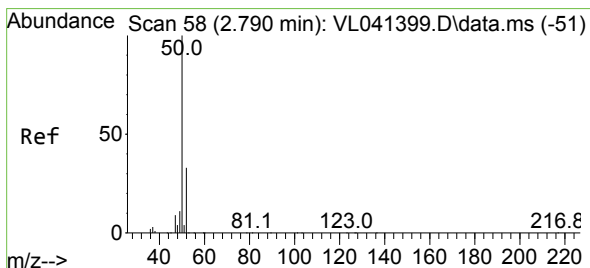
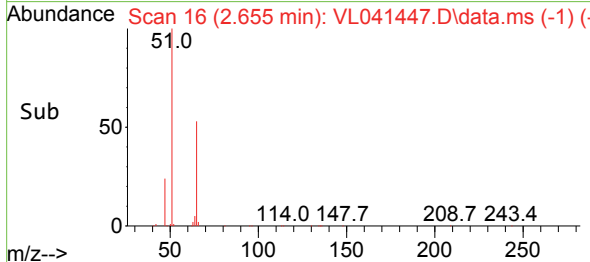
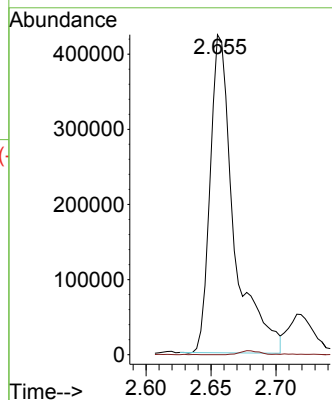
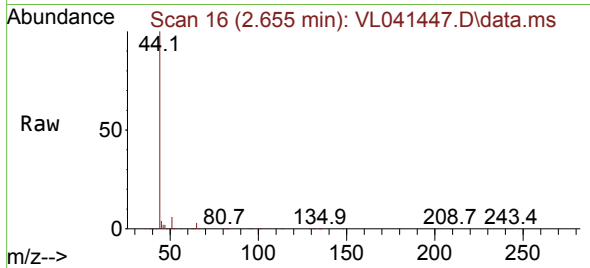




#3
Chlorodifluoromethane
Concen: 4.126 ppbv
RT: 2.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

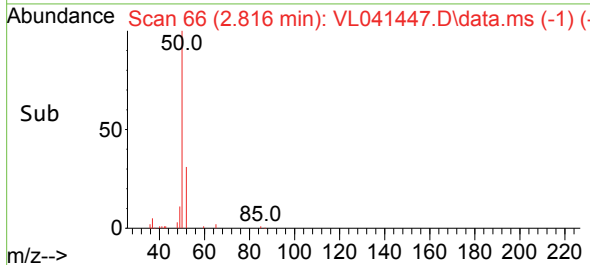
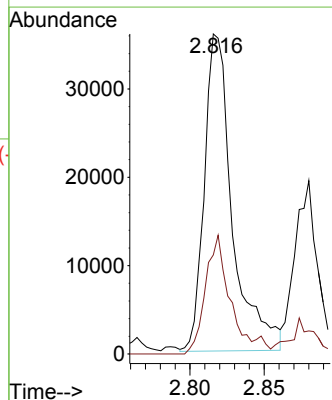
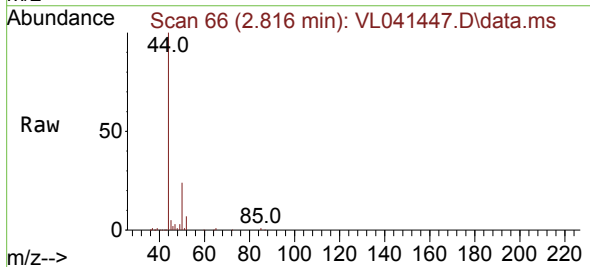
Instrument :
MSVOA_L
ClientSampleId :

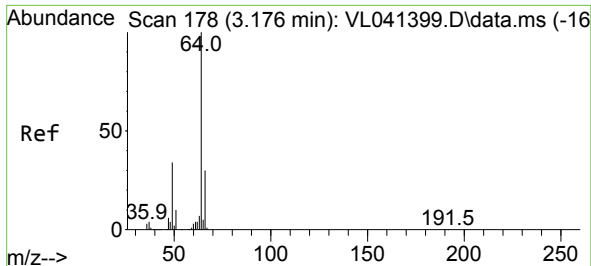
Tgt Ion: 51 Resp: 540384
Ion Ratio Lower Upper
51 100
67 1.1 14.5 21.7#



#4
Chloromethane
Concen: 0.678 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.023 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 50 Resp: 47245
Ion Ratio Lower Upper
50 100
52 31.4 26.1 39.1

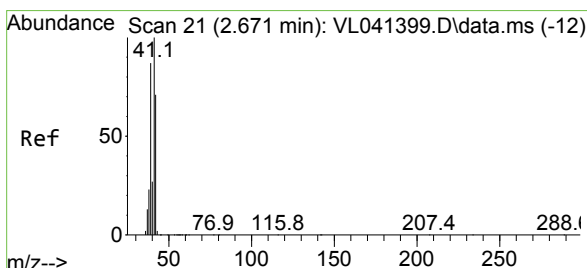
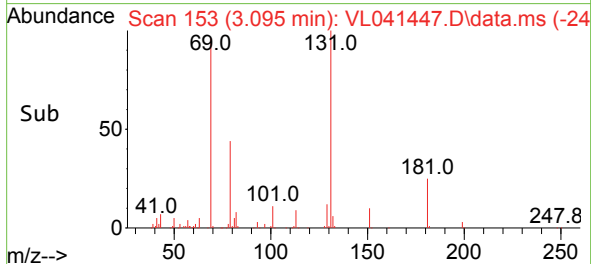
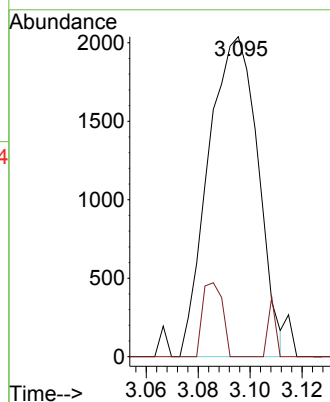
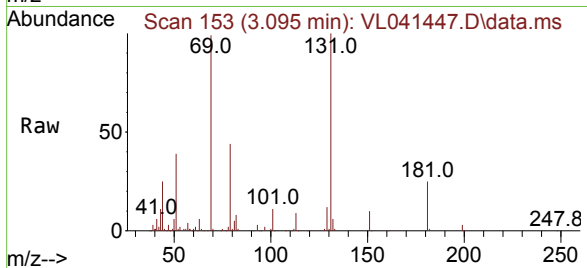




#7
Chloroethane
Concen: 0.114 ppbv
RT: 3.095 min Scan# 11
Delta R.T. -0.087 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

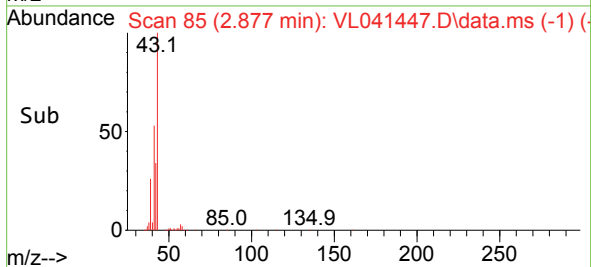
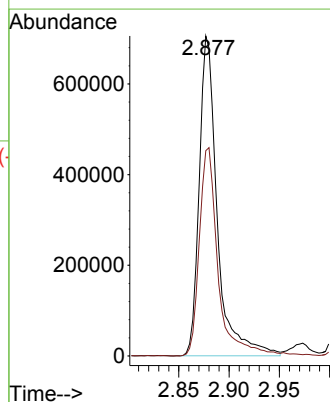
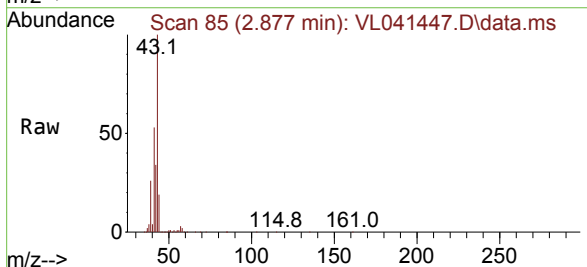
Instrument :
MSVOA_L
ClientSampleId :

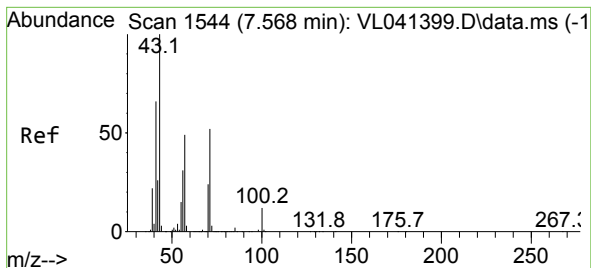
Tgt Ion: 64 Resp: 2698
Ion Ratio Lower Upper
64 100
66 0.0 24.2 36.2#



#9
Propene
Concen: 14.676 ppbv
RT: 2.877 min Scan# 85
Delta R.T. 0.206 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 41 Resp: 882989
Ion Ratio Lower Upper
41 100
42 67.7 55.9 83.9





#10

Heptane

Concen: 3.389 ppbv

RT: 7.584 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

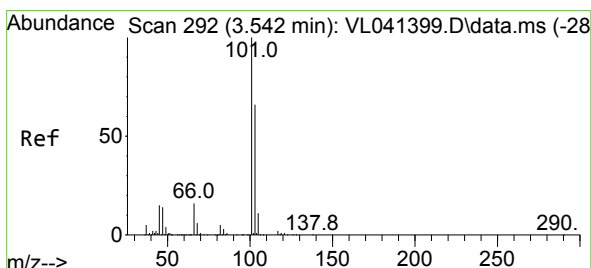
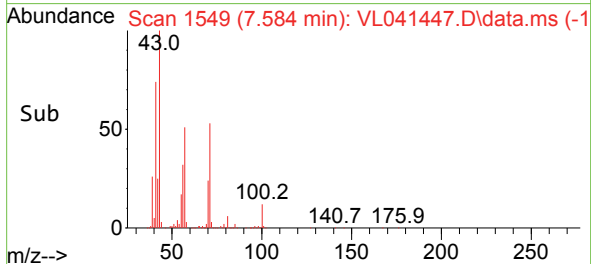
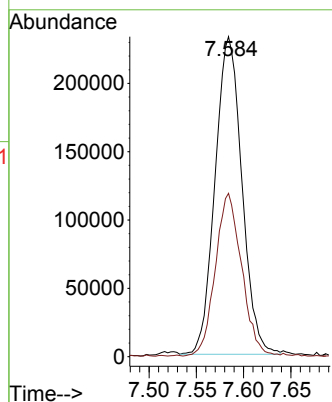
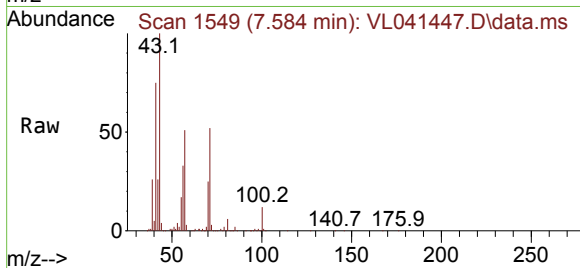
ClientSampleId :

Tgt Ion: 43 Resp: 458179

Ion Ratio Lower Upper

43 100

57 50.5 40.5 60.7



#11

Trichlorofluoromethane

Concen: 0.201 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.026 min

Lab File: VL041447.D

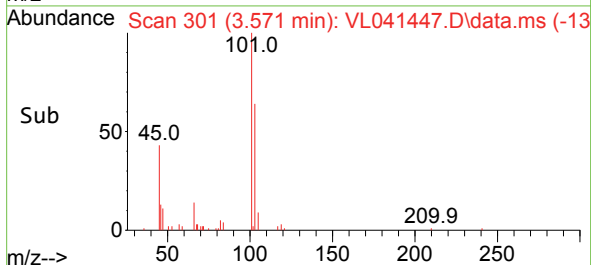
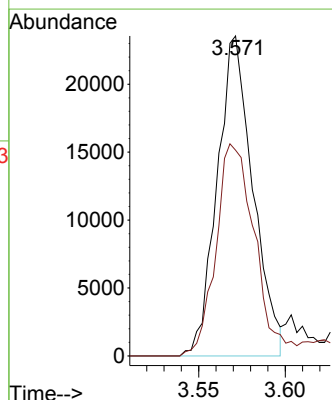
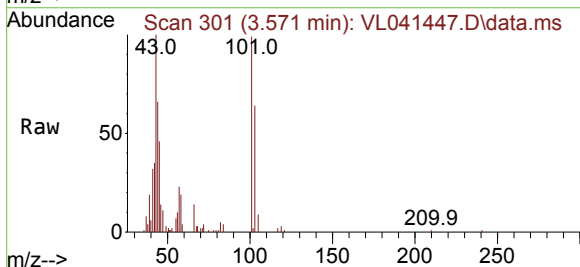
Acq: 30 Jul 2024 3:13

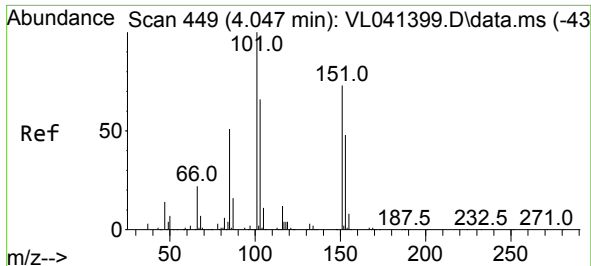
Tgt Ion:101 Resp: 33863

Ion Ratio Lower Upper

101 100

103 64.3 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.049 ppbv

RT: 4.079 min Scan# 4

Delta R.T. 0.029 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

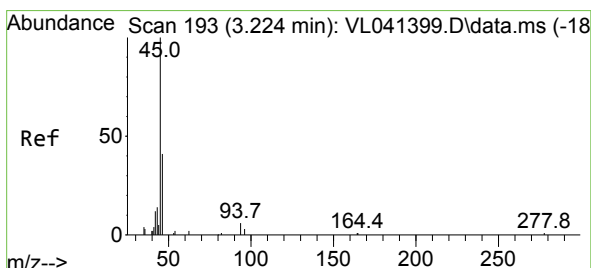
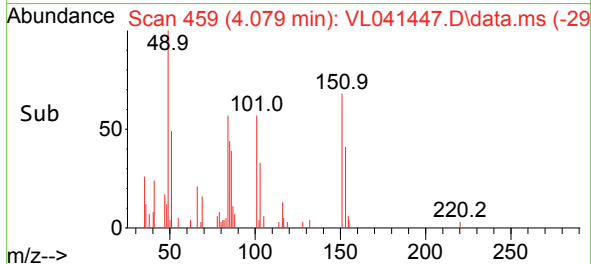
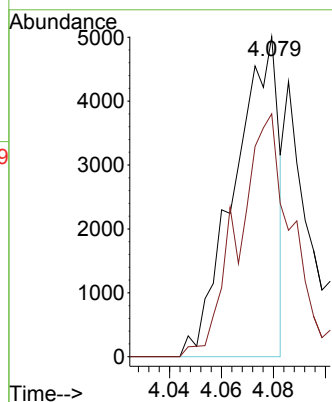
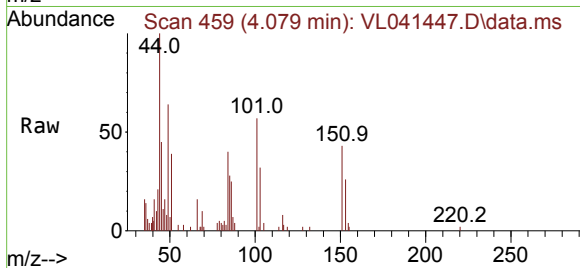
ClientSampleId :

Tgt Ion:101 Resp: 5936

Ion Ratio Lower Upper

101 100

151 94.5 59.4 89.2#



#13

Ethanol

Concen: 1327.321 ppbv

RT: 3.259 min Scan# 204

Delta R.T. 0.032 min

Lab File: VL041447.D

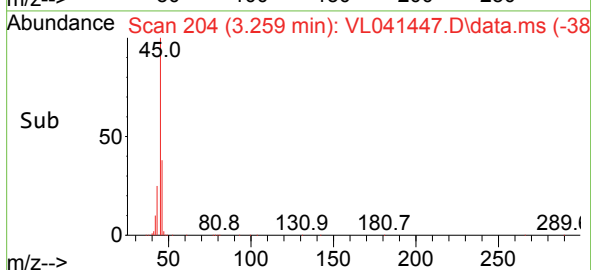
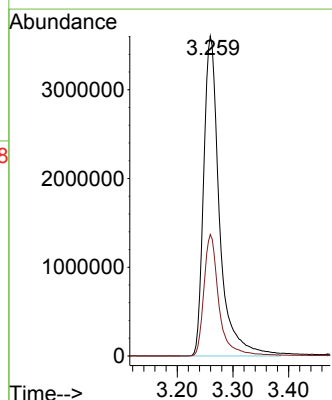
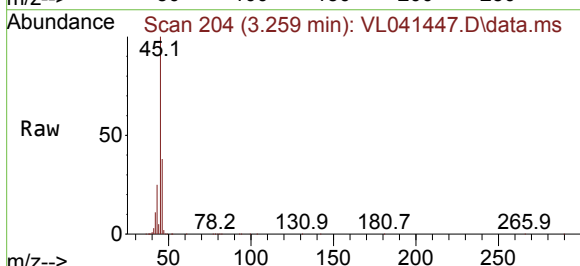
Acq: 30 Jul 2024 3:13

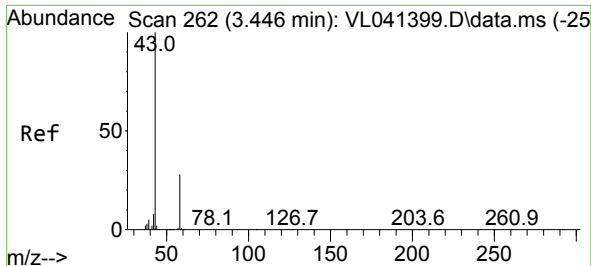
Tgt Ion: 45 Resp: 7137393

Ion Ratio Lower Upper

45 100

46 36.5 13.4 53.4

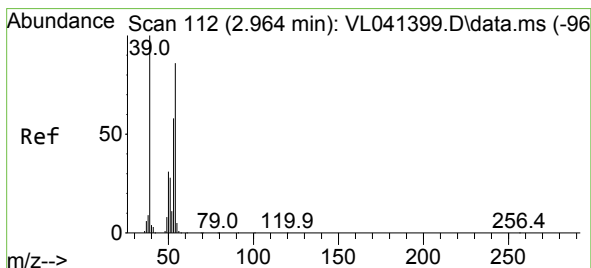
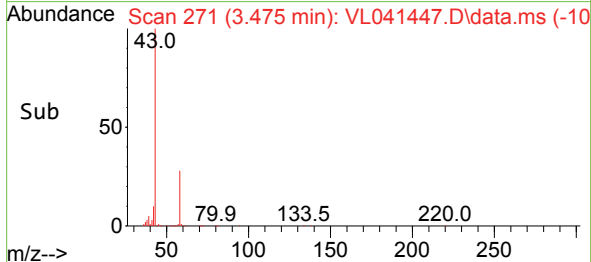
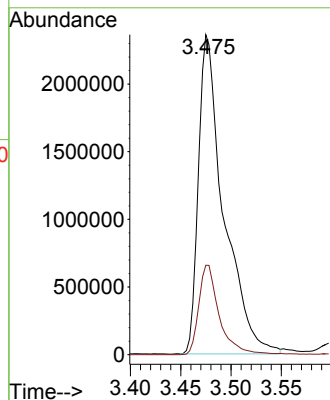
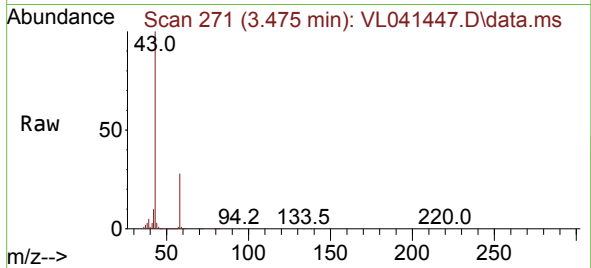




#15
Acetone
Concen: 33.044 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

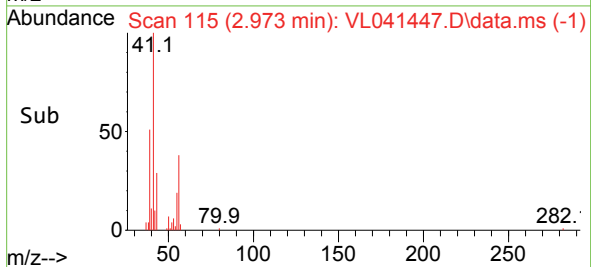
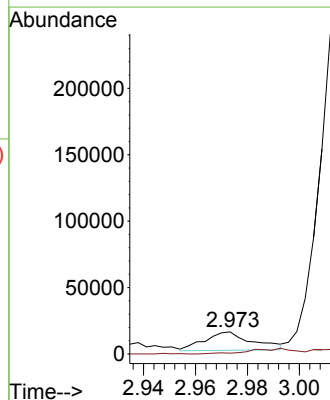
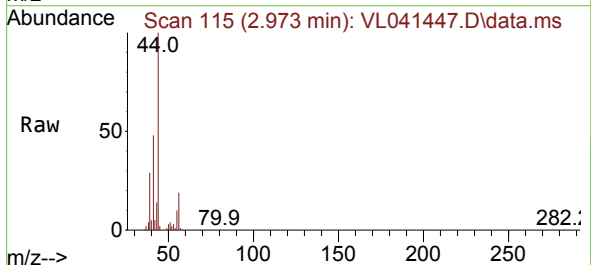
Instrument :
MSVOA_L
ClientSampleId :

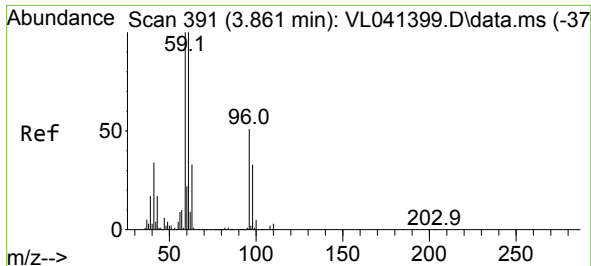
Tgt Ion: 43 Resp: 4130551
Ion Ratio Lower Upper
43 100
58 23.0 21.4 32.2



#16
1,3-Butadiene
Concen: 0.266 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.007 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 39 Resp: 17734
Ion Ratio Lower Upper
39 100
54 28.9 62.5 93.7#

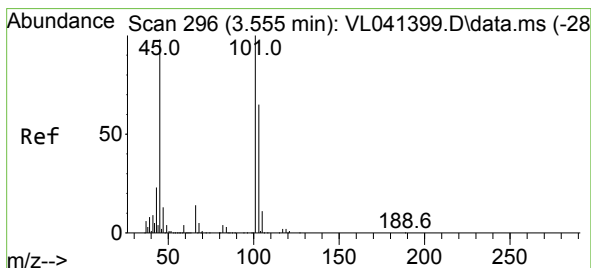
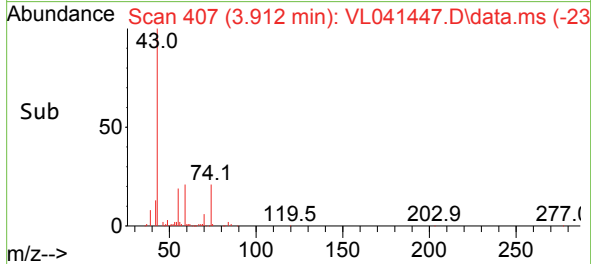
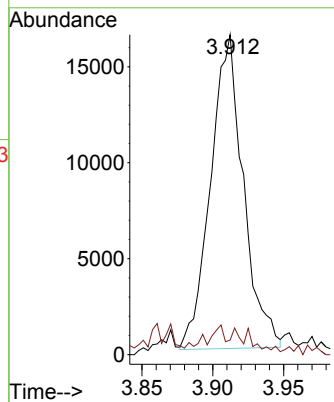
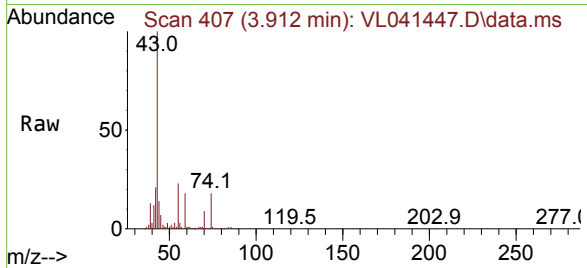




#17
tert-Butyl alcohol
Concen: 0.231 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.052 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

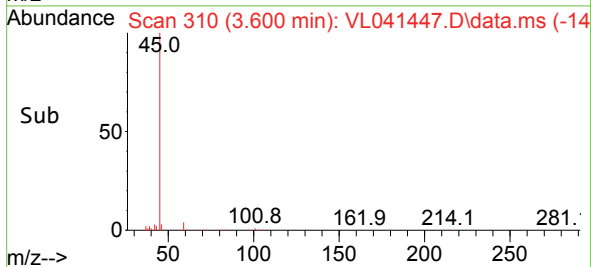
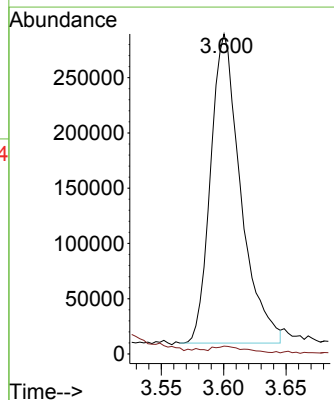
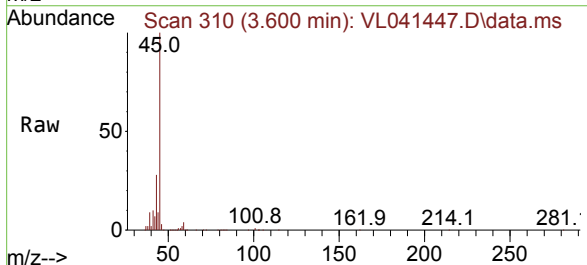
Instrument :
MSVOA_L
ClientSampleId :

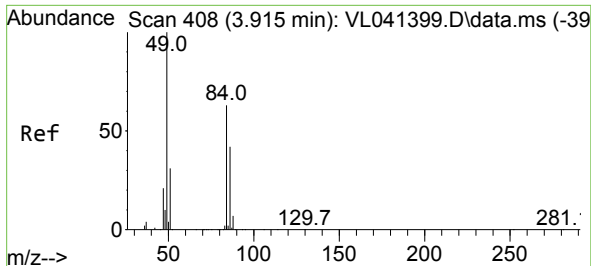
Tgt Ion: 59 Resp: 26285
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 6.430 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.039 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 45 Resp: 469894
Ion Ratio Lower Upper
45 100
58 202.6 1.9 2.9#





#20

Methylene Chloride

Concen: 54.095 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.026 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 84 Resp: 2521547

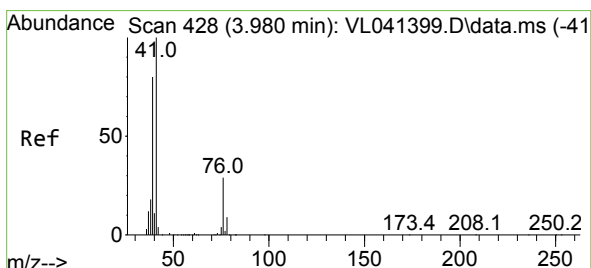
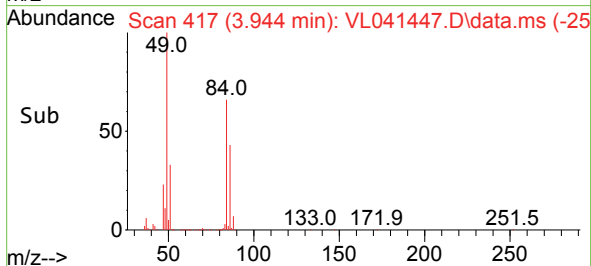
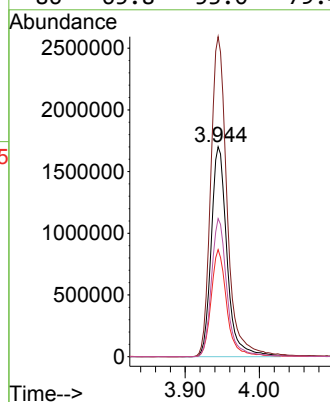
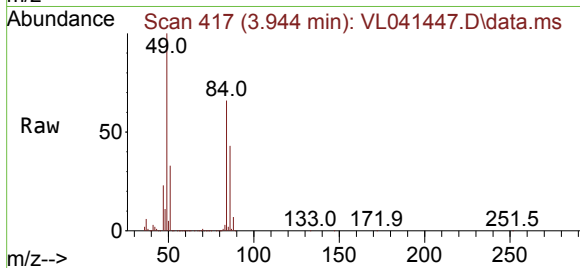
Ion Ratio Lower Upper

84 100

49 152.4 126.6 190.0

51 51.0 38.6 58.0

86 65.8 53.0 79.4



#21

Allyl Chloride

Concen: 1.981 ppbv

RT: 3.944 min Scan# 417

Delta R.T. -0.035 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

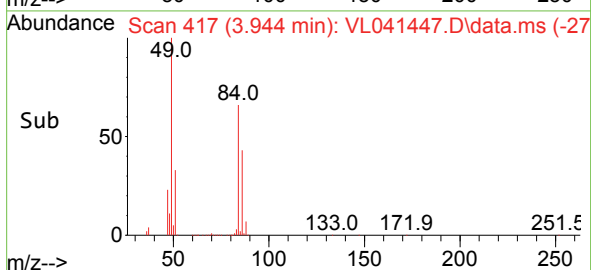
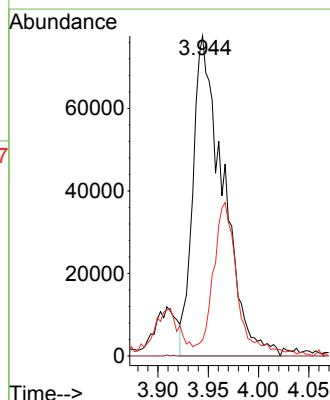
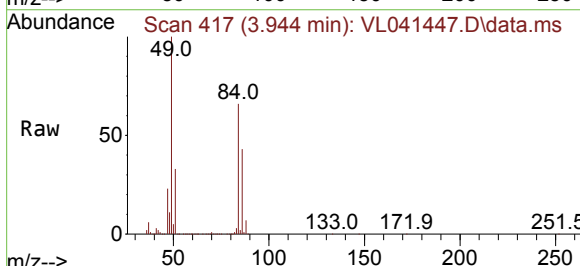
Tgt Ion: 41 Resp: 162362

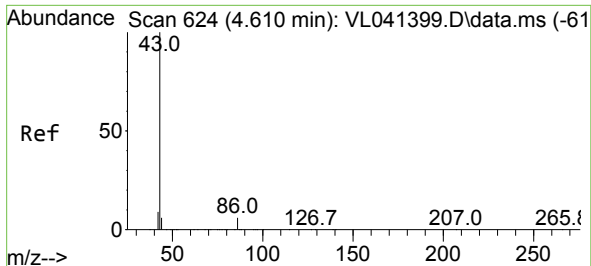
Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

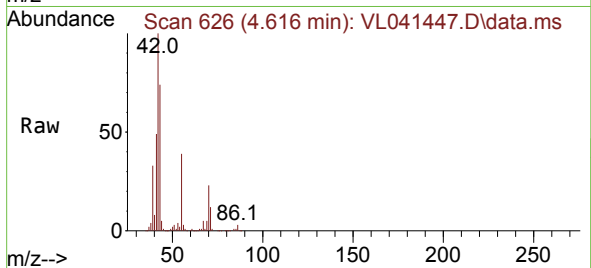
39 39.0 64.3 96.5#



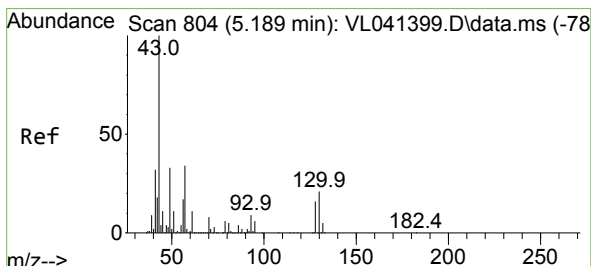
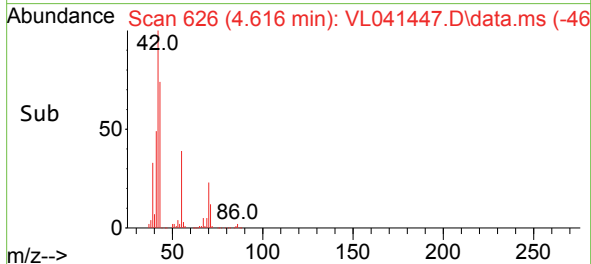
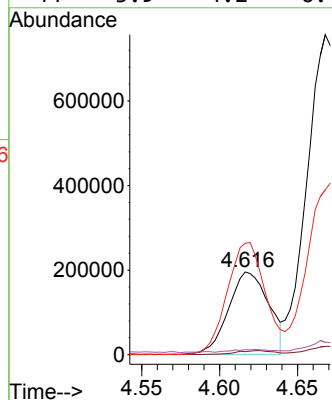


#23
Vinyl Acetate
Concen: 3.672 ppbv
RT: 4.616 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Instrument :
MSVOA_L
ClientSampleId :

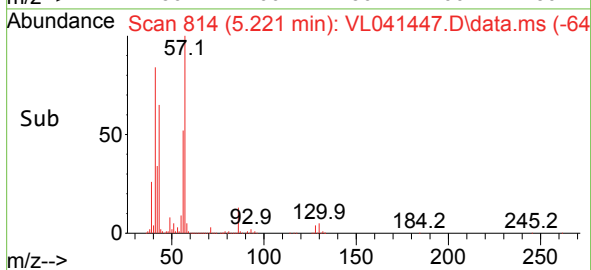
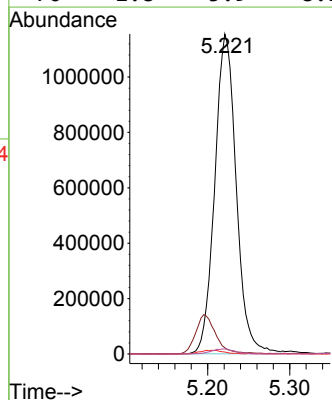
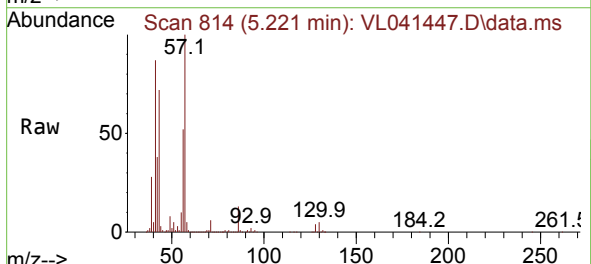


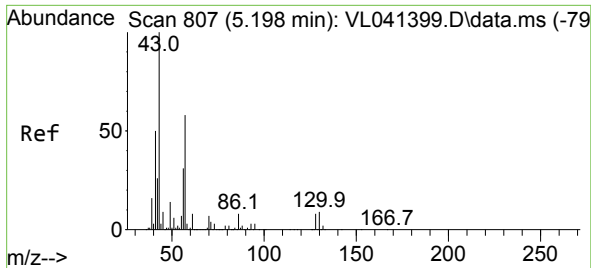
Tgt	Ion: 43	Resp:	350521
Ion	Ratio	Lower	Upper
43	100		
86	3.6	4.6	6.8#
42	134.3	7.9	11.9#
44	3.9	4.2	6.4#



#25
Ethyl Acetate
Concen: 8.476 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.029 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 43	Resp: 2104951		
Ion	Ratio	Lower	Upper
43	100		
45	11.6	8.5	12.7
61	1.4	8.0	12.0#
70	1.8	5.9	8.9#

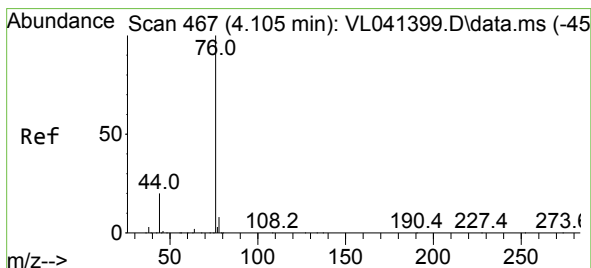
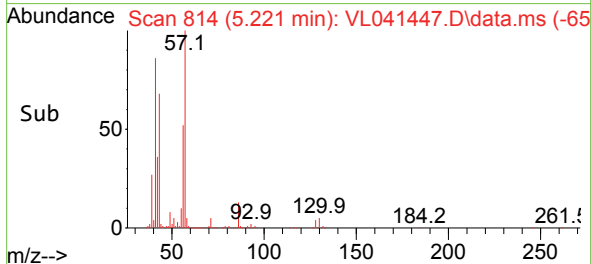
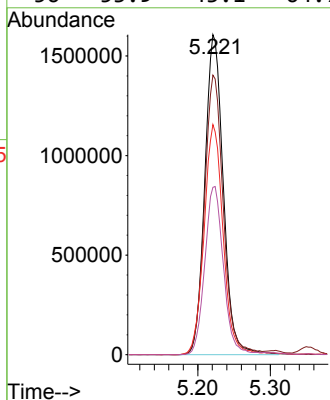
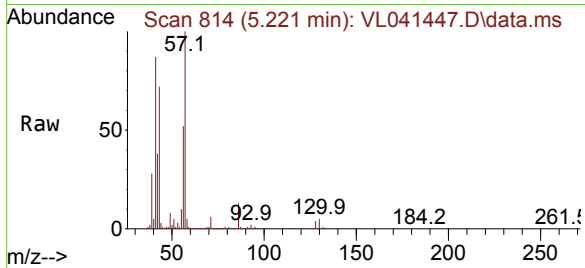




#26
Hexane
Concen: 27.646 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.023 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

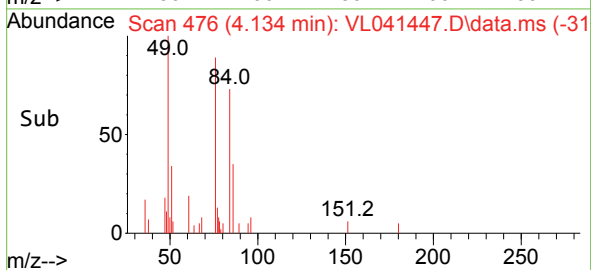
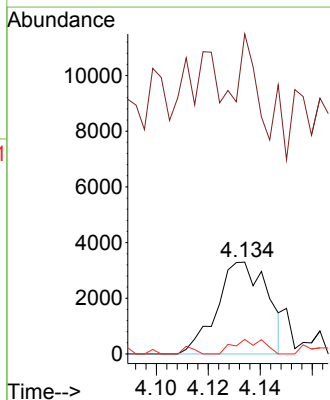
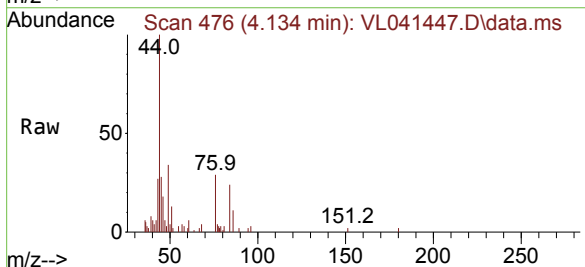
Instrument :
MSVOA_L
ClientSampleId :

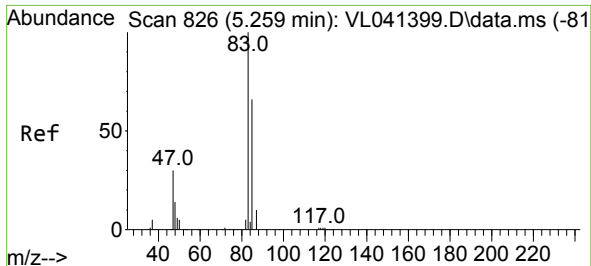
Tgt Ion: 57 Resp: 2847934
Ion Ratio Lower Upper
57 100
41 90.6 74.0 111.0
43 74.5 193.6 290.4#
56 53.9 43.1 64.7



#27
Carbon Disulfide
Concen: 0.037 ppbv
RT: 4.134 min Scan# 476
Delta R.T. 0.026 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 76 Resp: 4430
Ion Ratio Lower Upper
76 100
44 104.0 15.6 23.4#
78 16.6 7.7 11.5#





#29

Chloroform

Concen: 0.148 ppbv

RT: 5.288 min Scan# 81

Delta R.T. 0.026 min

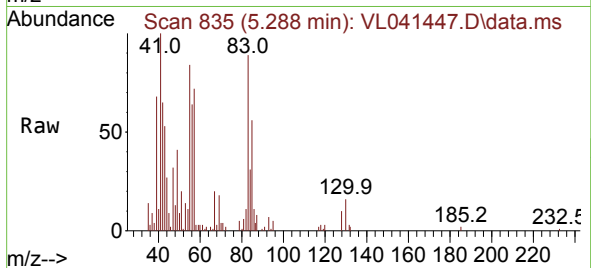
Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

ClientSampleId :

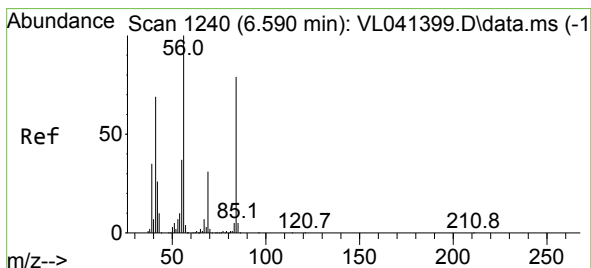
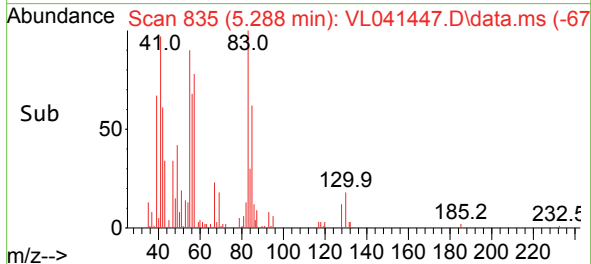
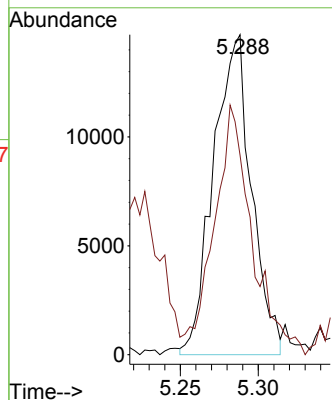


Tgt Ion: 83 Resp: 24935

Ion Ratio Lower Upper

83 100

85 58.0 53.1 79.7



#30

Cyclohexane

Concen: 0.383 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. 0.013 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

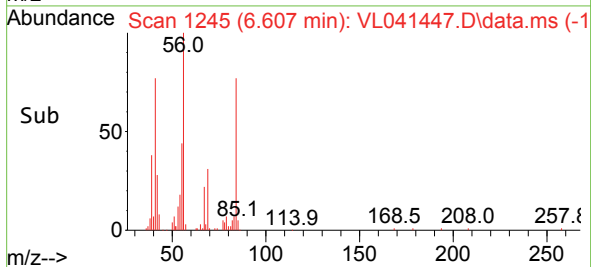
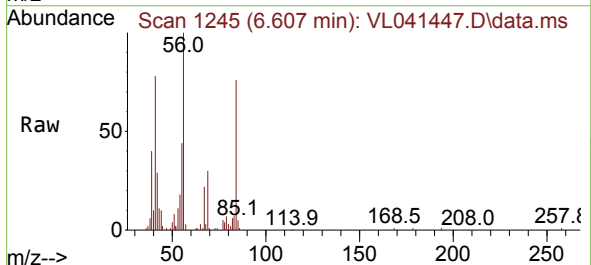
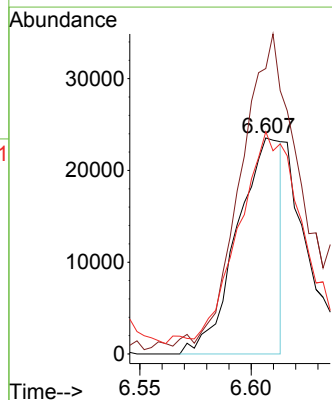
Tgt Ion: 84 Resp: 32171

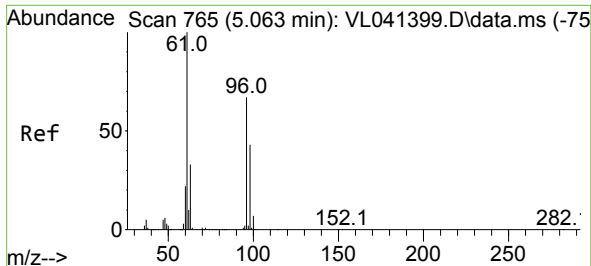
Ion Ratio Lower Upper

84 100

56 191.2 111.2 166.8#

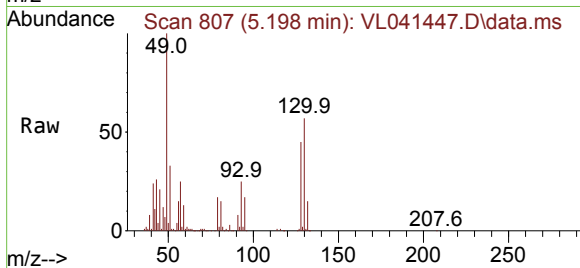
41 161.6 70.3 105.5#



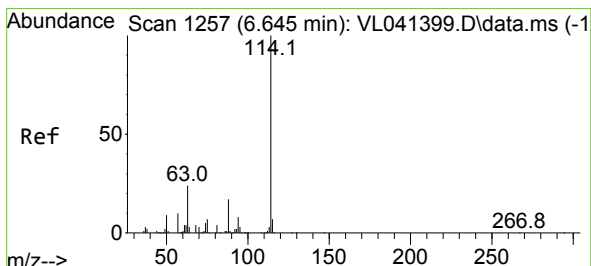
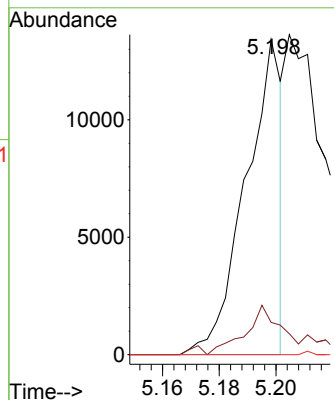
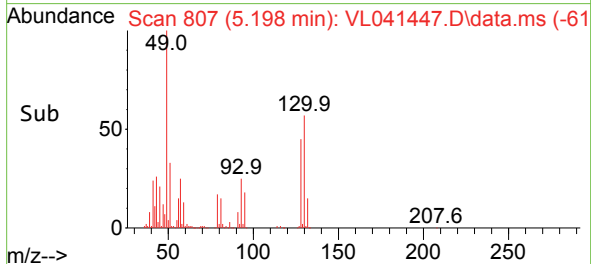


#31
 cis-1,2-Dichloroethene
 Concen: 0.116 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.132 min
 Lab File: VL041447.D
 Acq: 30 Jul 2024 3:13

Instrument :
 MSVOA_L
 ClientSampleId :

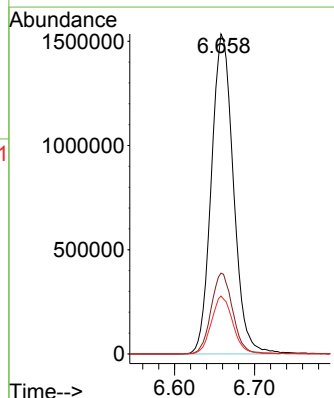
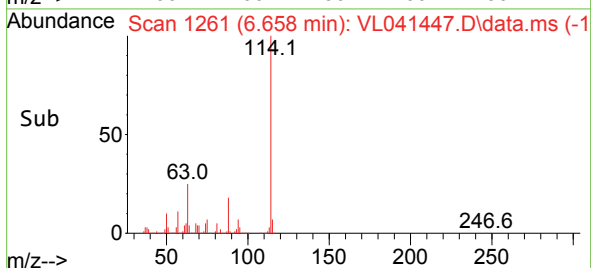
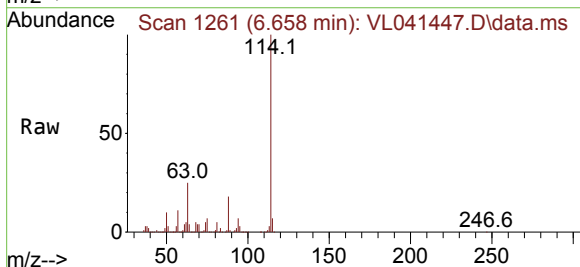


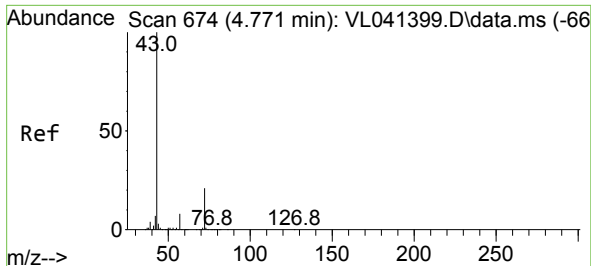
Tgt Ion: 61 Resp: 11830
 Ion Ratio Lower Upper
 61 100
 96 10.2 53.4 80.2#
 98 0.0 34.4 51.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.658 min Scan# 1261
 Delta R.T. 0.013 min
 Lab File: VL041447.D
 Acq: 30 Jul 2024 3:13

Tgt Ion: 114 Resp: 2931106
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.3 30.5
 88 17.8 14.3 21.5

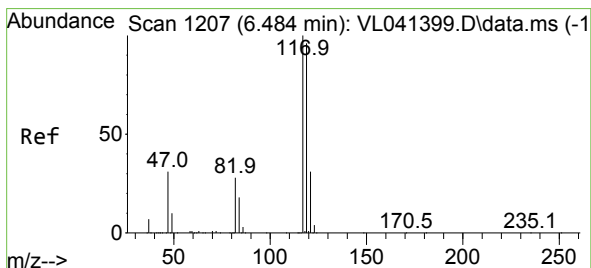
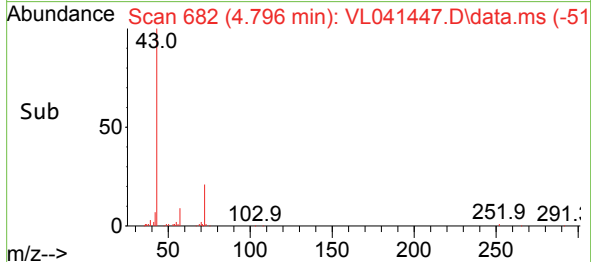
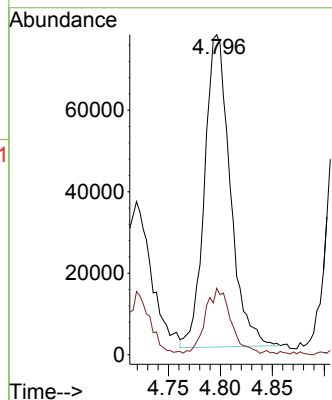
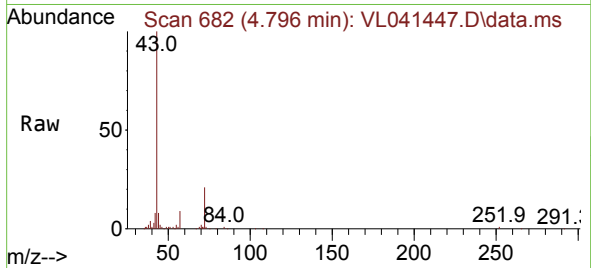




#34
2-Butanone
Concen: 0.928 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

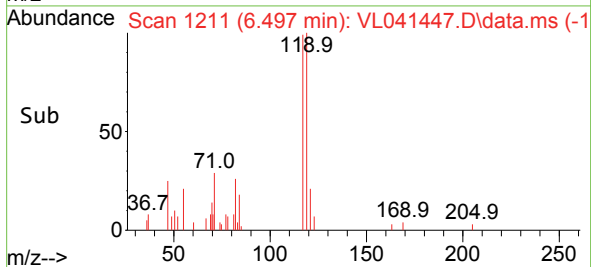
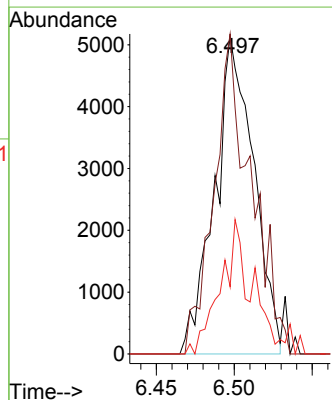
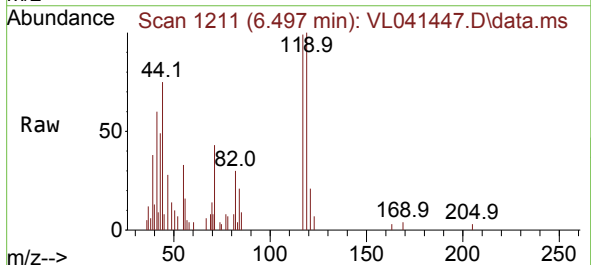
Instrument :
MSVOA_L
ClientSampleId :

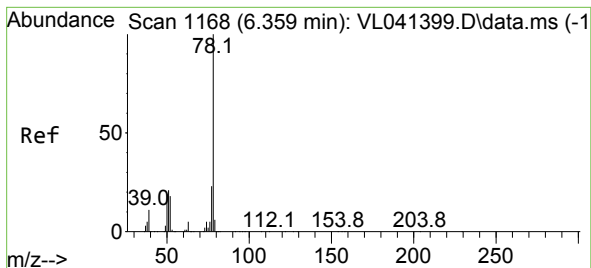
Tgt Ion: 43 Resp: 131522
Ion Ratio Lower Upper
43 100
72 22.6 17.3 25.9



#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 6.497 min Scan# 1211
Delta R.T. 0.013 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 117 Resp: 8932
Ion Ratio Lower Upper
117 100
119 100.8 76.6 115.0
121 21.2 25.1 37.7#





#36

Benzene

Concen: 2.365 ppbv

RT: 6.378 min Scan# 1168

Delta R.T. 0.019 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

ClientSampleId :

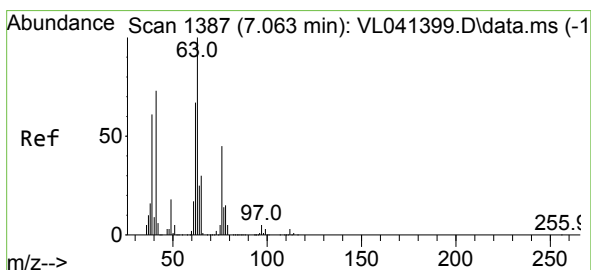
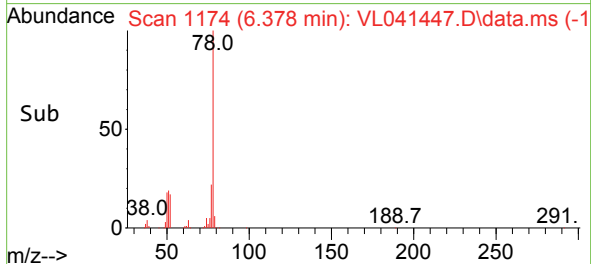
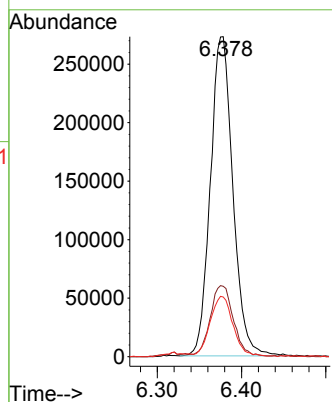
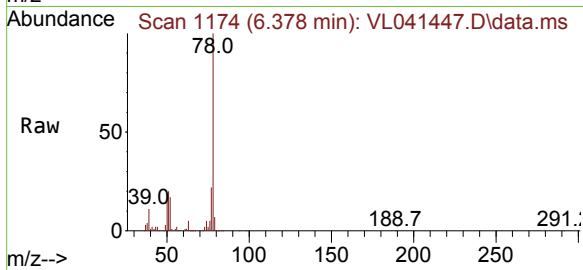
Tgt Ion: 78 Resp: 506427

Ion Ratio Lower Upper

78 100

77 21.7 18.1 27.1

50 18.4 15.5 23.3



#39

1,2-Dichloropropane

Concen: 8.847 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.405 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

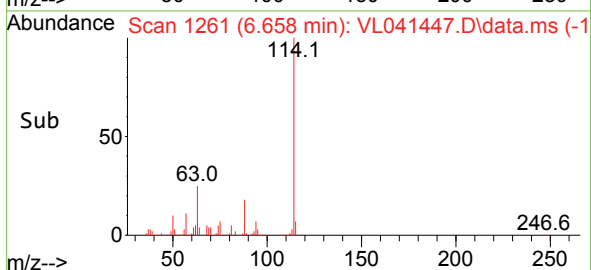
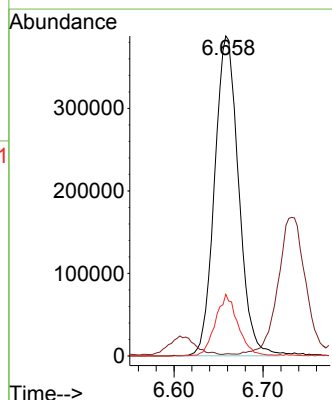
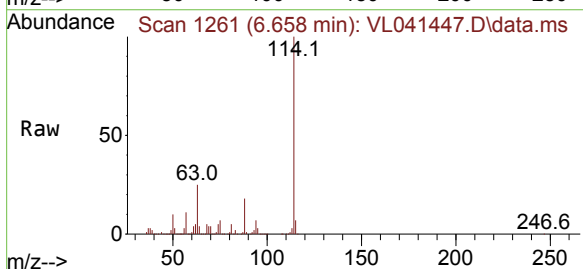
Tgt Ion: 63 Resp: 725440

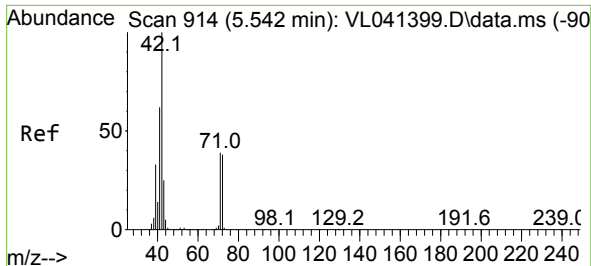
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 19.2 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.236 ppbv

RT: 5.304 min Scan# 841

Delta R.T. -0.241 min

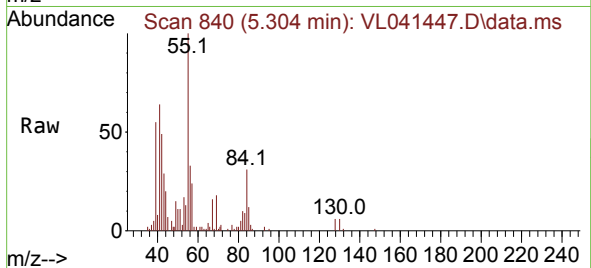
Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

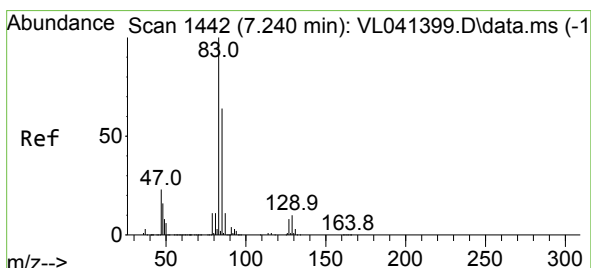
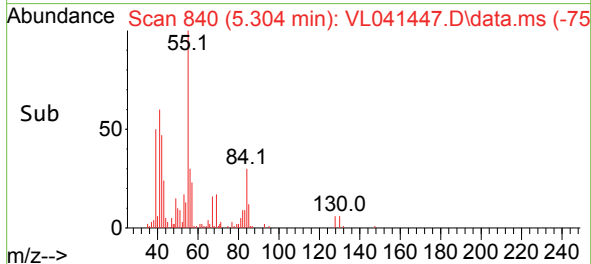
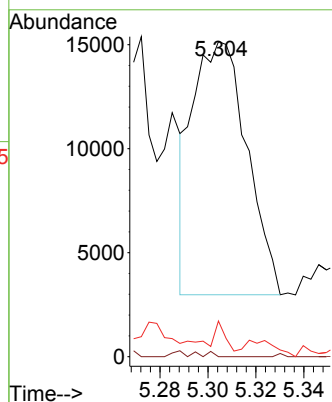
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	42	Resp:	19140
Ion Ratio	Lower	Upper	
42	100		
72	0.0	31.2	46.8#
71	0.0	30.5	45.7#



#42

Bromodichloromethane

Concen: 0.121 ppbv

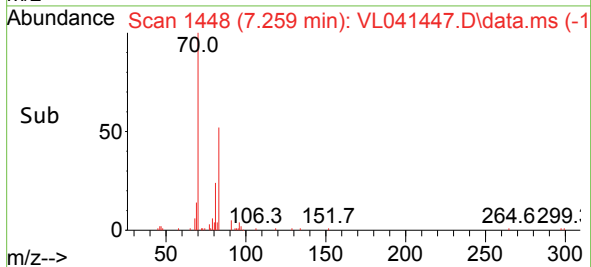
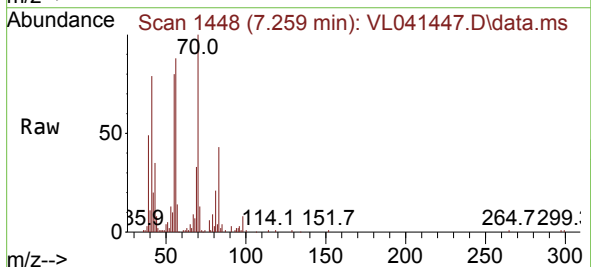
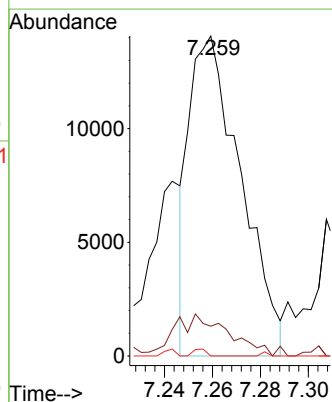
RT: 7.259 min Scan# 1448

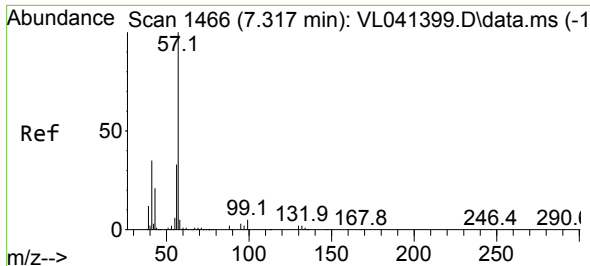
Delta R.T. 0.019 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Tgt Ion:	83	Resp:	20969
Ion Ratio	Lower	Upper	
83	100		
85	7.0	51.4	77.0#
127	0.0	6.7	10.1#

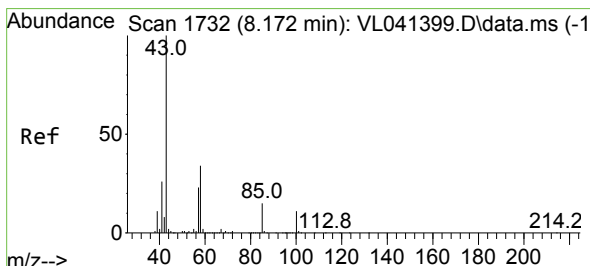
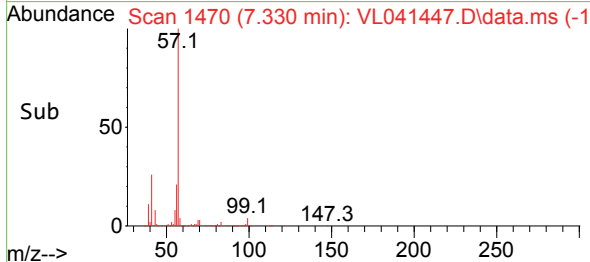
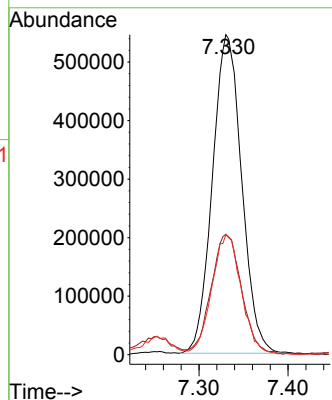
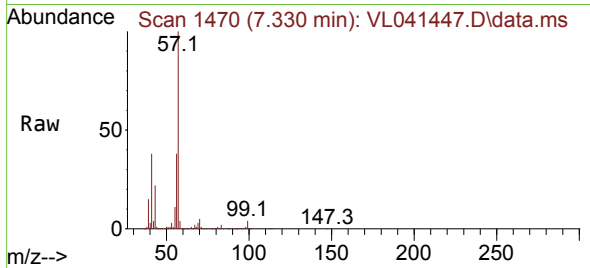




#44
2,2,4-Trimethylpentane
Concen: 3.463 ppbv
RT: 7.330 min Scan# 1466
Delta R.T. 0.013 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

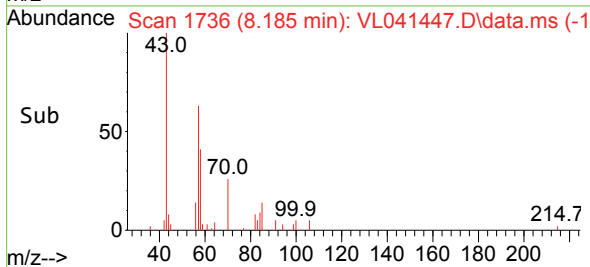
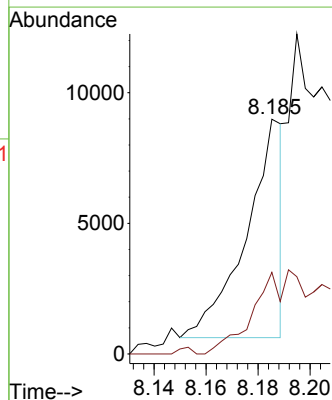
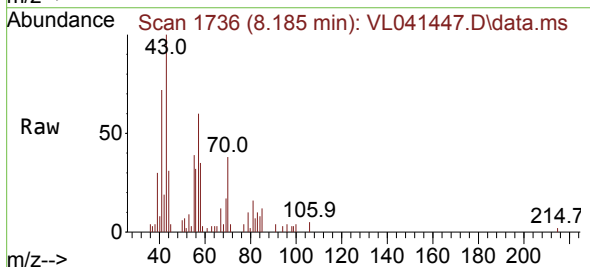
Instrument :
MSVOA_L
ClientSampleId :

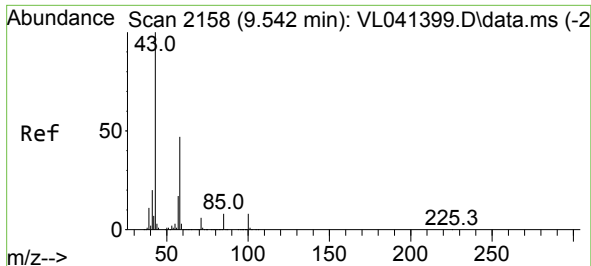
Tgt Ion: 57 Resp: 1238872
Ion Ratio Lower Upper
57 100
41 39.6 27.0 40.6
56 38.1 25.2 37.8#



#50
4-Methyl-2-Pentanone
Concen: 0.036 ppbv
RT: 8.185 min Scan# 1736
Delta R.T. 0.013 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 43 Resp: 8093
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#

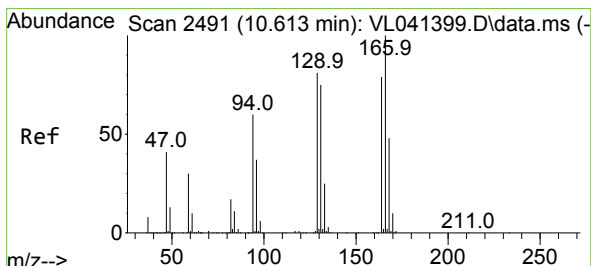
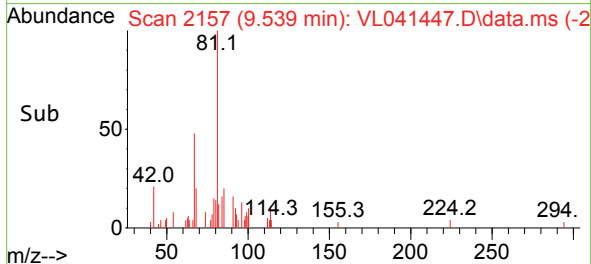
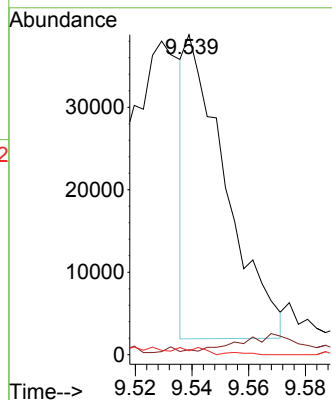
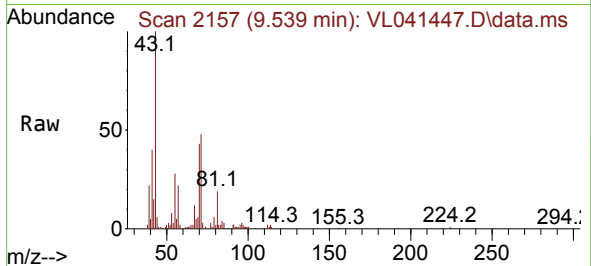




#51
2-Hexanone
Concen: 0.214 ppbv
RT: 9.539 min Scan# 2158
Delta R.T. -0.003 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

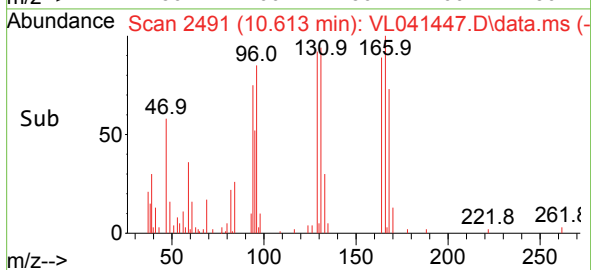
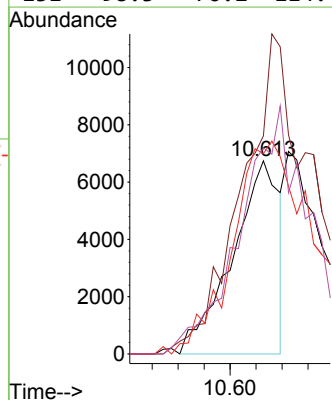
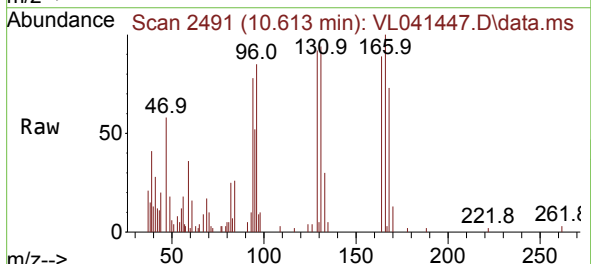
Instrument :
MSVOA_L
ClientSampleId :

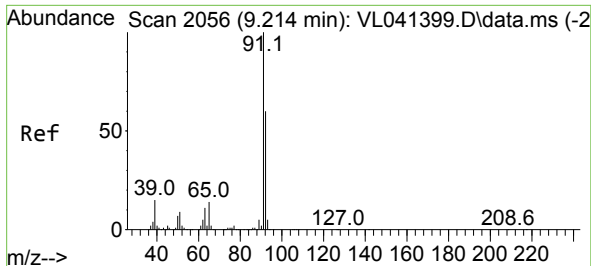
Tgt Ion: 43 Resp: 36184
Ion Ratio Lower Upper
43 100
58 13.0 38.2 57.2#
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.102 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. 0.003 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 164 Resp: 8438
Ion Ratio Lower Upper
164 100
166 106.4 101.1 151.7
129 98.5 81.7 122.5
131 98.3 76.2 114.4

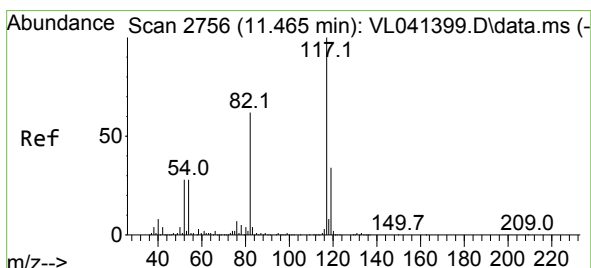
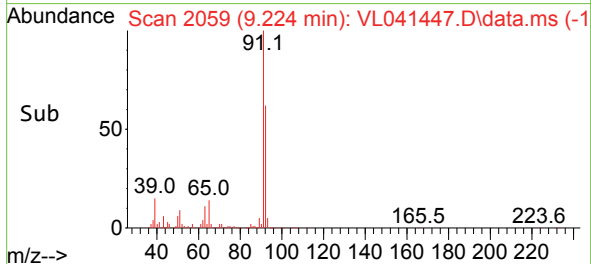
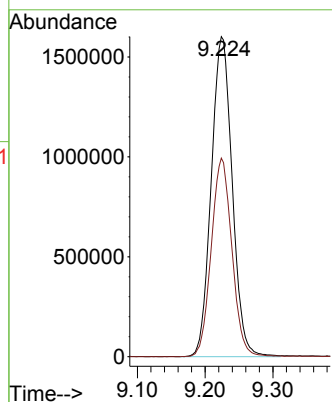
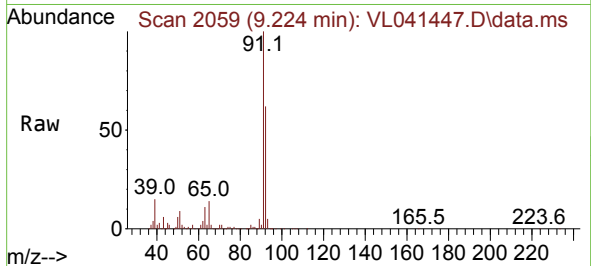




#53
Toluene
Concen: 14.430 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

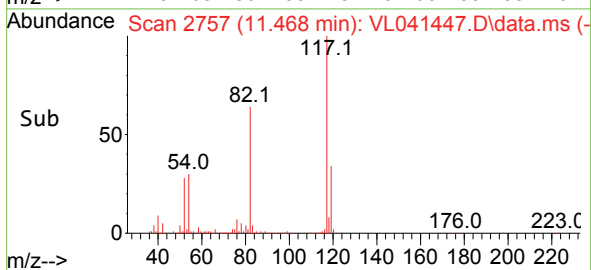
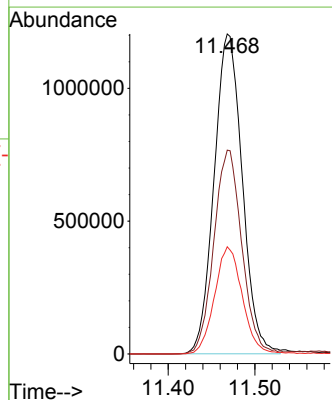
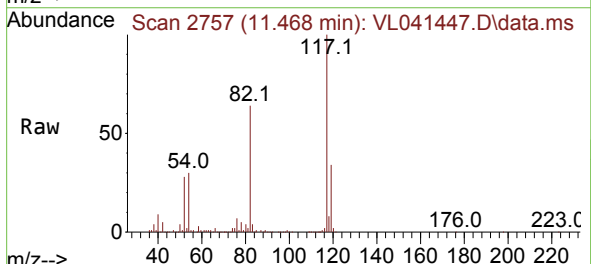
Instrument :
MSVOA_L
ClientSampleId :

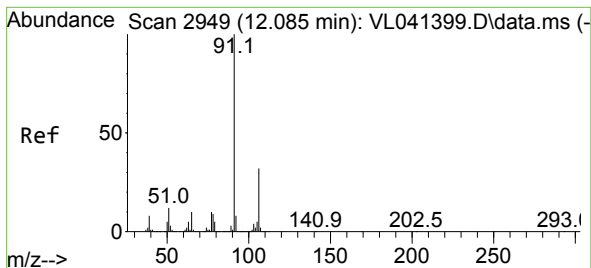
Tgt Ion: 91 Resp: 3442544
Ion Ratio Lower Upper
91 100
92 61.4 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 117 Resp: 2721567
Ion Ratio Lower Upper
117 100
82 63.3 51.0 76.6
119 33.4 45.2 67.8#





#58

Ethyl Benzene

Concen: 2.033 ppbv

RT: 12.092 min Scan# 2949

Delta R.T. 0.007 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

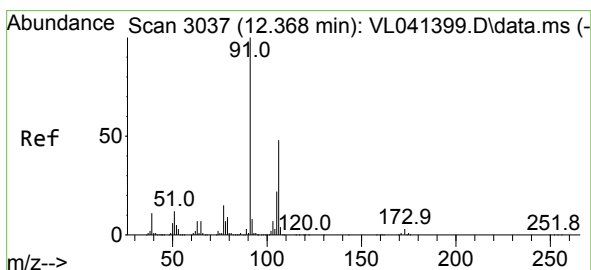
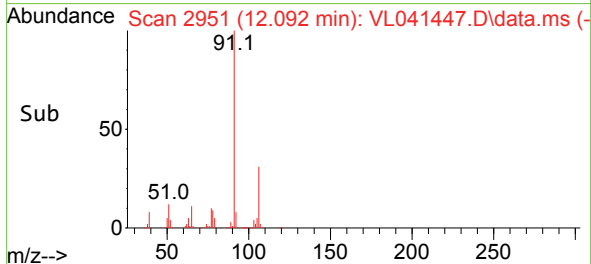
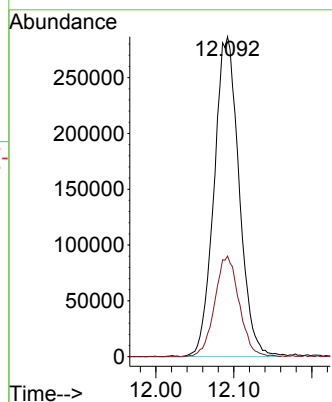
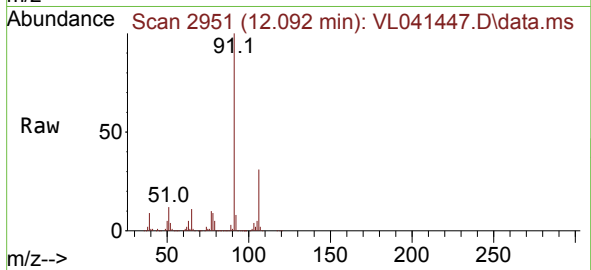
ClientSampleId :

Tgt Ion: 91 Resp: 637755

Ion Ratio Lower Upper

91 100

106 31.4 25.8 38.8



#59

m/p-Xylene

Concen: 4.804 ppbv

RT: 12.346 min Scan# 3030

Delta R.T. -0.022 min

Lab File: VL041447.D

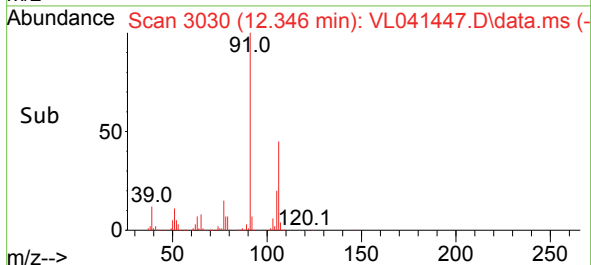
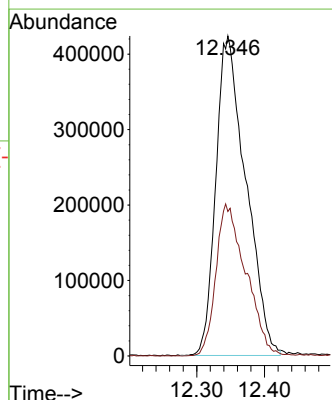
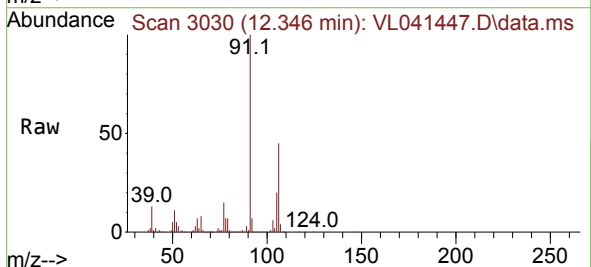
Acq: 30 Jul 2024 3:13

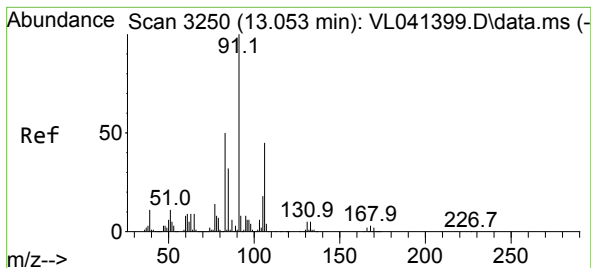
Tgt Ion: 91 Resp: 1300849

Ion Ratio Lower Upper

91 100

106 47.6 36.3 54.5

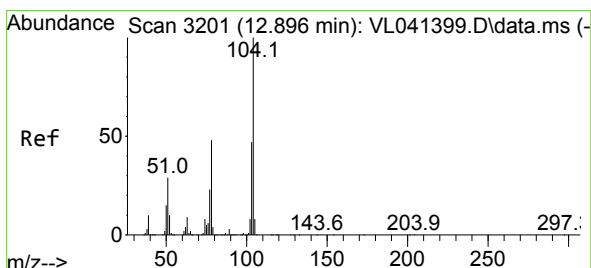
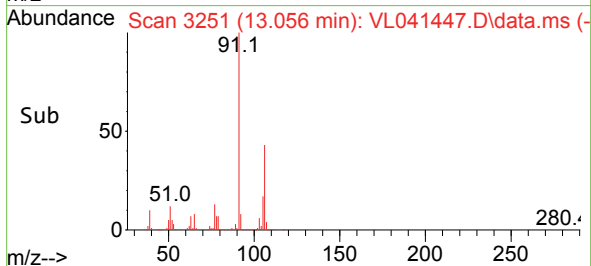
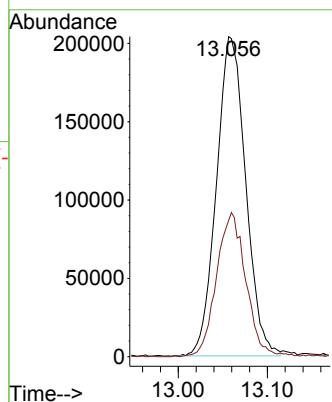
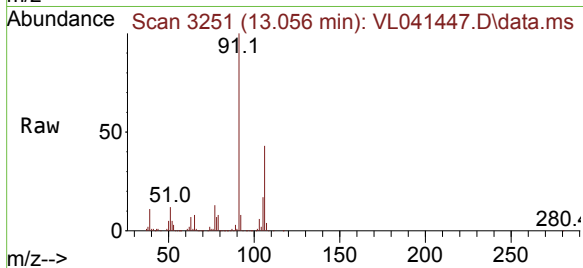




#60
o-Xylene
Concen: 1.817 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

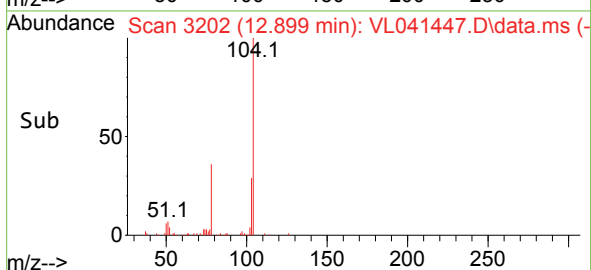
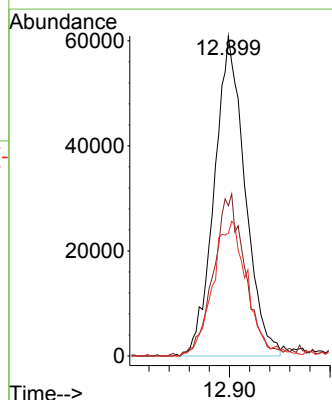
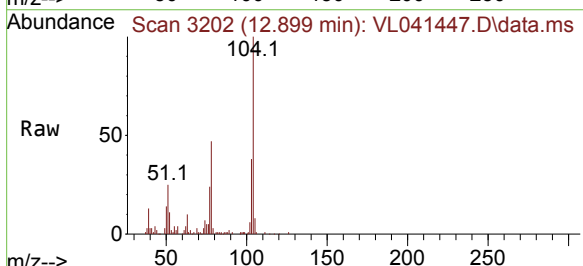
Instrument :
MSVOA_L
ClientSampleId :

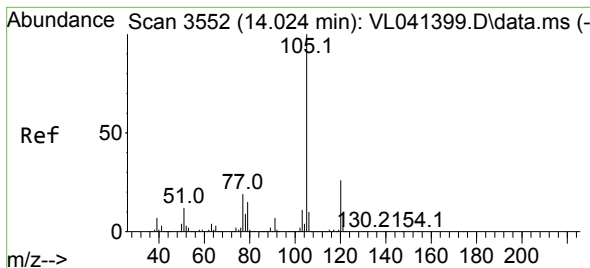
Tgt Ion: 91 Resp: 465569
Ion Ratio Lower Upper
91 100
106 45.7 23.1 69.3



#61
Styrene
Concen: 1.117 ppbv
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 104 Resp: 129070
Ion Ratio Lower Upper
104 100
78 52.1 40.8 61.2
103 47.4 38.2 57.4





#62

Isopropylbenzene

Concen: 0.054 ppbv

RT: 14.031 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

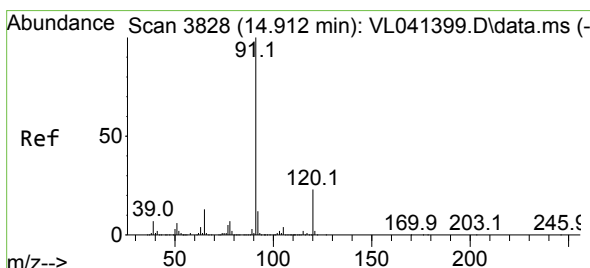
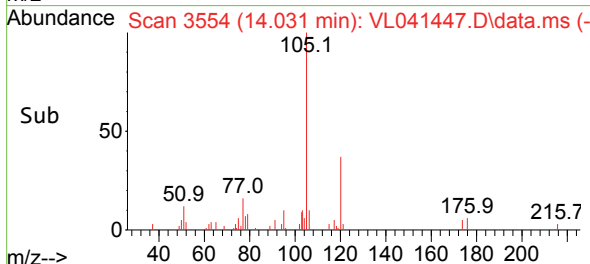
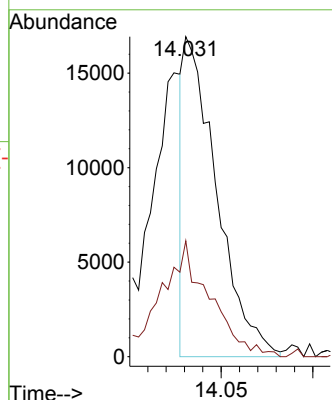
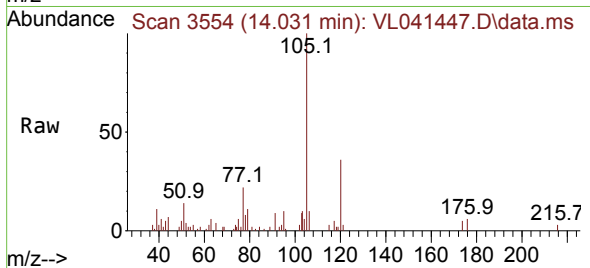
ClientSampleId :

Tgt Ion:105 Resp: 21149

Ion Ratio Lower Upper

105 100

120 54.1 21.0 31.4#



#64

n-propylbenzene

Concen: 0.053 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.003 min

Lab File: VL041447.D

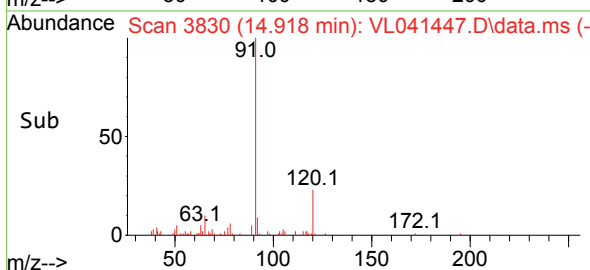
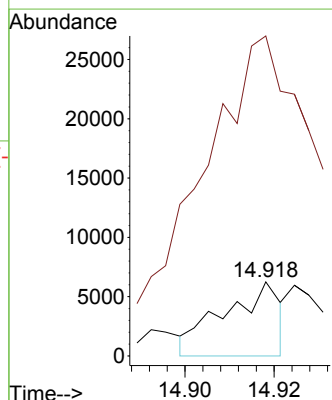
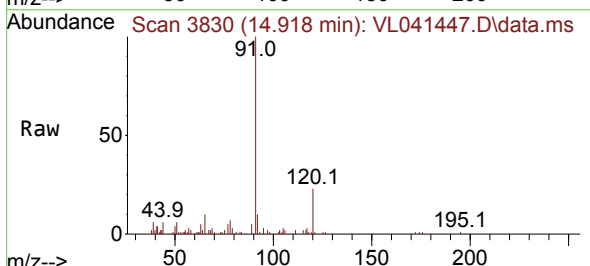
Acq: 30 Jul 2024 3:13

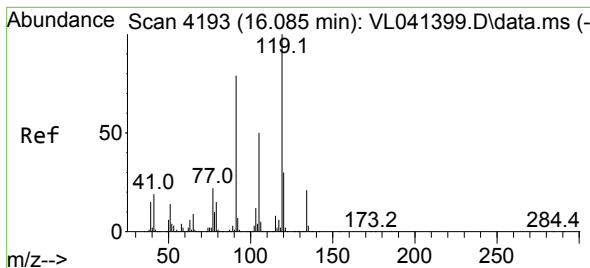
Tgt Ion:120 Resp: 5440

Ion Ratio Lower Upper

120 100

91 1085.5 361.4 542.0#

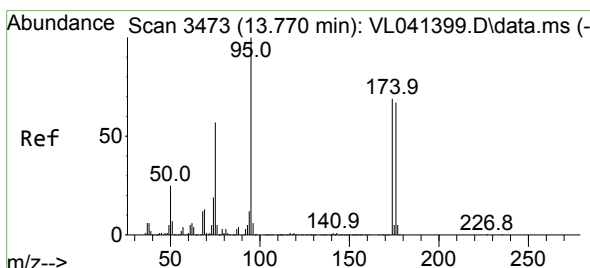
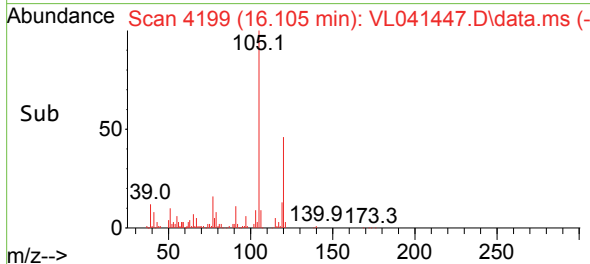
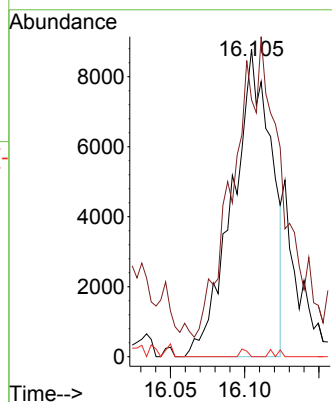
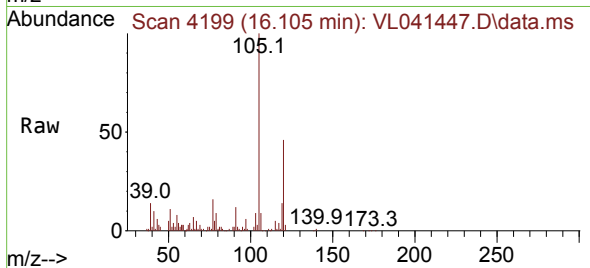




#65
tert-Butylbenzene
Concen: 0.046 ppbv
RT: 16.105 min Scan# 4193
Delta R.T. 0.013 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

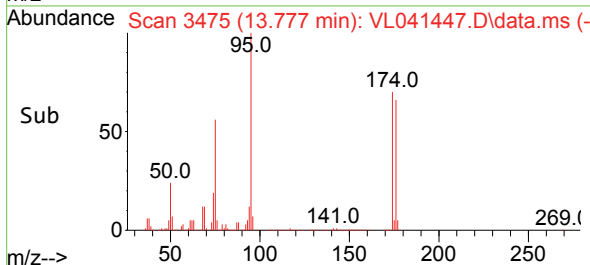
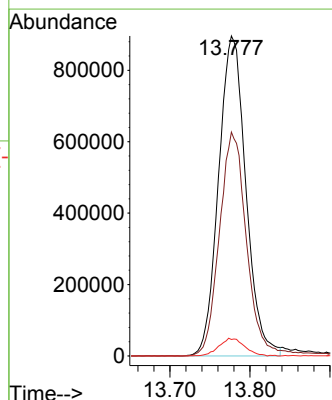
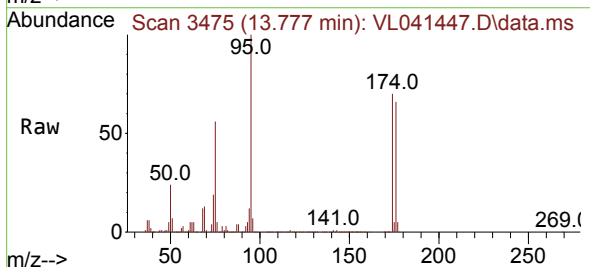
Instrument :
MSVOA_L
ClientSampleId :

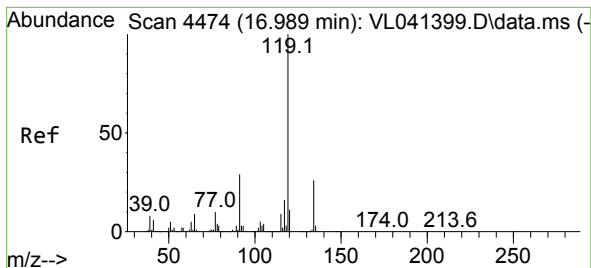
Tgt Ion:119 Resp: 16063
Ion Ratio Lower Upper
119 100
91 146.7 64.2 96.2#
134 0.9 15.7 23.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.140 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041447.D
Acq: 30 Jul 2024 3:13

Tgt Ion: 95 Resp: 2123718
Ion Ratio Lower Upper
95 100
174 71.0 56.3 84.5
175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.095 ppbv

RT: 16.998 min Scan# 4477

Delta R.T. 0.003 min

Lab File: VL041447.D

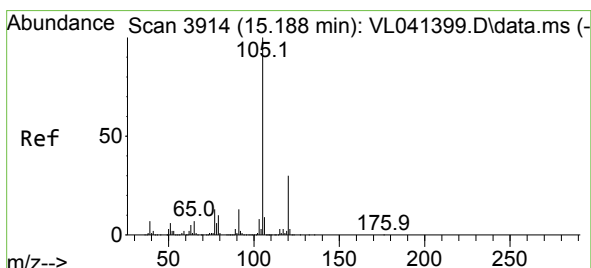
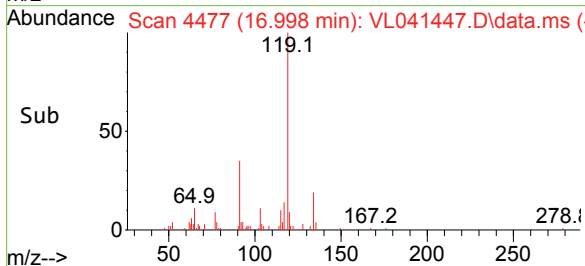
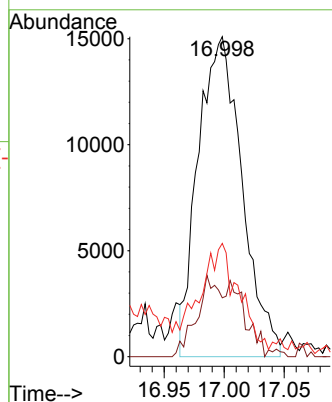
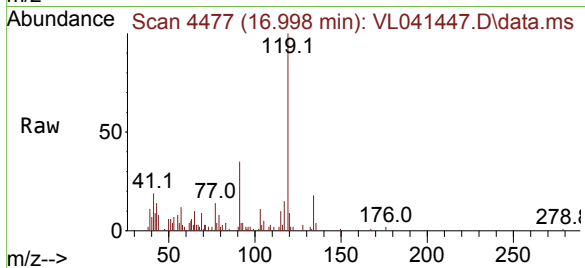
Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:119	Resp:	38338
Ion Ratio	Lower	Upper
119	100	
134	25.6	20.5 30.7
91	29.1	23.2 34.8



#72

4-Ethyltoluene

Concen: 0.165 ppbv

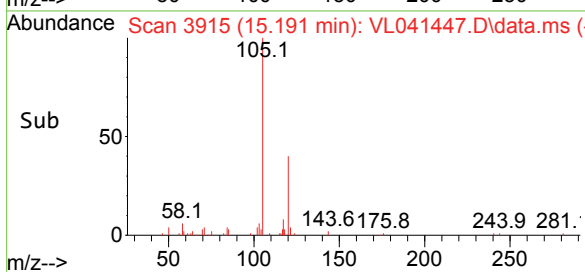
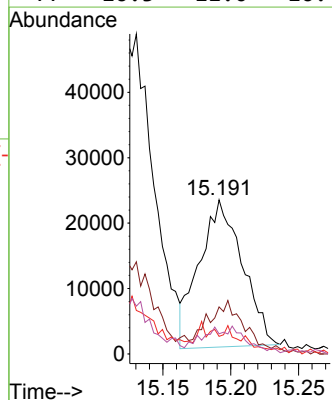
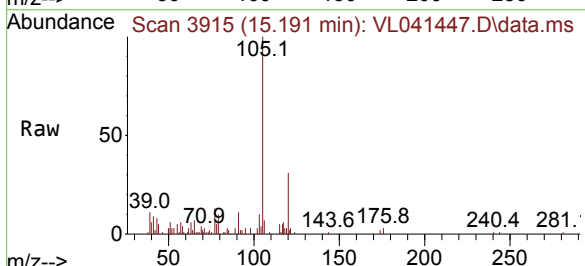
RT: 15.191 min Scan# 3915

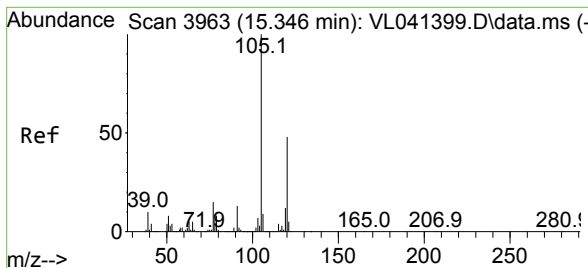
Delta R.T. 0.000 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Tgt Ion:105	Resp:	49773
Ion Ratio	Lower	Upper
105	100	
120	33.1	24.2 36.2
91	17.1	10.4 15.6#
77	16.3	11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.065 ppbv

RT: 15.355 min Scan# 3963

Delta R.T. 0.007 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Instrument :

MSVOA_L

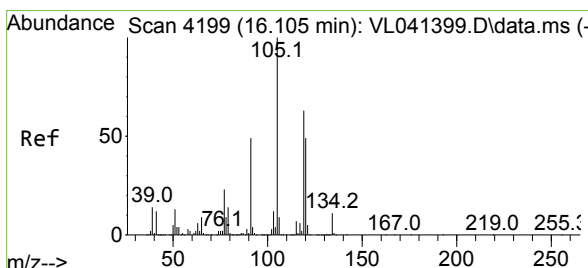
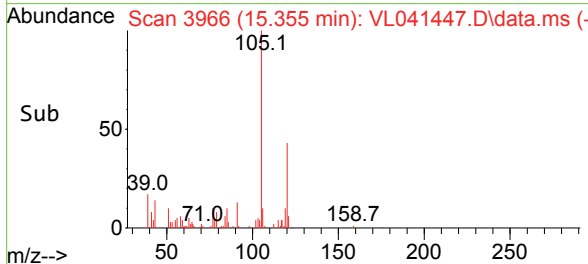
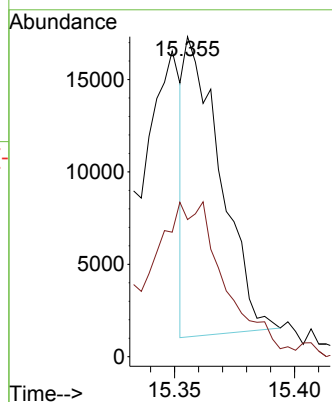
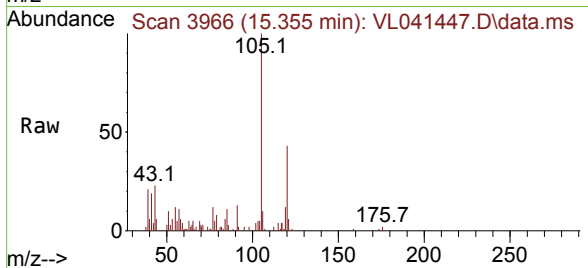
ClientSampleId :

Tgt Ion:105 Resp: 16790

Ion Ratio Lower Upper

105 100

120 44.3 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.531 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.000 min

Lab File: VL041447.D

Acq: 30 Jul 2024 3:13

Tgt Ion:105 Resp: 160419

Ion Ratio Lower Upper

105 100

120 46.3 39.5 59.3

91 10.3 39.8 59.8#

77 16.6 18.2 27.4#

