

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041554.D
 Acq On : 19 Aug 2024 19:24
 Operator : SY/MD
 Sample : P3658-05 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Quant Time: Aug 20 02:21:46 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 Aug 20 02:10:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1054218	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2772046	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2565571	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	3459501	17.522	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	175.200%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.816	85	456103	2.515	ppbv	99
3) Chlorodifluoromethane	2.693	51	189433	1.509	ppbv	96
4) Chloromethane	2.816	50	76562	1.147	ppbv #	45
5) Vinyl Chloride	2.938	62	2667	0.041	ppbv	99
6) Bromomethane	3.140	94	1090	0.032	ppbv #	10
7) Chloroethane	2.851	64	10615	0.467	ppbv	93
8) Dichlorotetrafluoroethane	2.870	85	8256	0.051	ppbv #	29
9) Propene	2.890	41	11324141	196.422	ppbv	91
10) Heptane	7.603	43	214704	1.657	ppbv	98
13) Ethanol	3.253	45	244511	47.452	ppbv	96
15) Acetone	3.478	43	5177995	43.229	ppbv #	63
16) 1,3-Butadiene	2.983	39	798275	12.474	ppbv #	16
19) Isopropyl Alcohol	3.594	45	297039	4.242	ppbv #	93
20) Methylene Chloride	3.951	84	60076	1.345	ppbv	97
21) Allyl Chloride	3.976	41	87835	1.118	ppbv #	47
23) Vinyl Acetate	4.626	43	4410839	48.216	ppbv #	1
25) Ethyl Acetate	5.234	43	1111897	4.673	ppbv #	77
26) Hexane	5.234	57	1576904	15.974	ppbv #	38
27) Carbon Disulfide	4.144	76	193046	1.672	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	19100	0.307	ppbv #	52
29) Chloroform	5.288	83	5633	0.035	ppbv #	77
30) Cyclohexane	6.623	84	474877	5.907	ppbv	94
31) cis-1,2-Dichloroethene	5.099	61	4421	0.045	ppbv #	83
34) 2-Butanone	4.799	43	2614625	19.499	ppbv	98
36) Benzene	6.391	78	322976	1.595	ppbv	96
38) Trichloroethene	7.314	130	9179	0.099	ppbv #	69
39) 1,2-Dichloropropane	6.931	63	12962	0.167	ppbv #	1
40) 1,4-Dioxane	7.317	88	1243	0.040	ppbv #	1
41) Tetrahydrofuran	5.742	42	95112	1.240	ppbv #	56
42) Bromodichloromethane	7.278	83	180204	1.101	ppbv #	27
43) Methyl Methacrylate	7.468	69	12783	0.176	ppbv #	1
44) 2,2,4-Trimethylpentane	7.352	57	1511853	4.469	ppbv #	56
47) 1,1,2-Trichloroethane	8.918	97	7962	0.093	ppbv #	1
50) 4-Methyl-2-Pentanone	8.233	43	928247	4.388	ppbv	94
51) 2-Hexanone	9.565	43	394178	2.464	ppbv #	98
53) Toluene	9.243	91	1327435	5.884	ppbv	99
57) Chlorobenzene	11.552	112	112993	0.619	ppbv #	37
58) Ethyl Benzene	12.114	91	1408976	4.765	ppbv	97
59) m/p-Xylene	12.368	91	1829110	7.165	ppbv	96
60) o-Xylene	13.082	91	1041141	4.311	ppbv	98
61) Styrene	12.912	104	5909	0.054	ppbv #	15
62) Isopropylbenzene	14.050	105	432177	1.177	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	88947	0.583	ppbv #	55

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

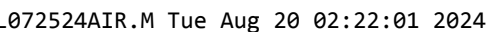
Instrument :
MSVOA_L
ClientSampleId :
SV3

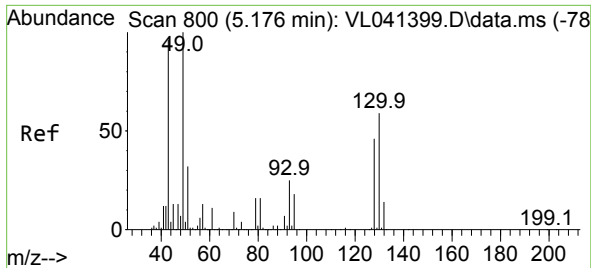
Quant Time: Aug 20 02:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	14.937	120	21736	0.226	ppbv #	1
65) tert-Butylbenzene	16.124	119	99718	0.301	ppbv #	30
66) Benzyl Chloride	16.368	91	64976	3.055	ppbv #	94
67) sec-Butylbenzene	16.371	105	65458	0.143	ppbv	97
69) p-Isopropyltoluene	17.018	119	66577	0.176	ppbv #	21
70) n-Butylbenzene	17.899	91	17794	0.046	ppbv #	33
71) 2-Chlorotoluene	14.941	91	181002	0.669	ppbv	89
72) 4-Ethyltoluene	15.217	105	291129	1.024	ppbv #	88
73) 1,3,5-Trimethylbenzene	15.368	105	285931	1.167	ppbv	97
74) 1,2,4-Trimethylbenzene	16.127	105	757999	2.662	ppbv #	74
79) Naphthalene	21.410	128	25942	0.103	ppbv #	89

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

Quant Time: Aug 20 02:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration

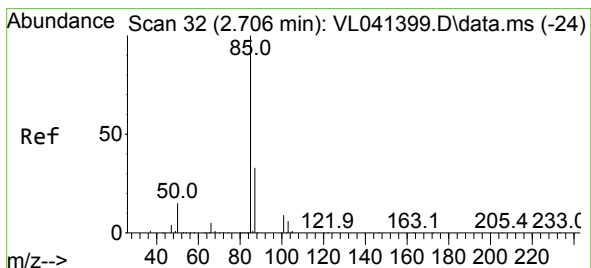
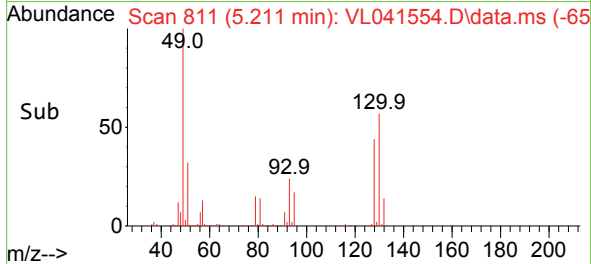
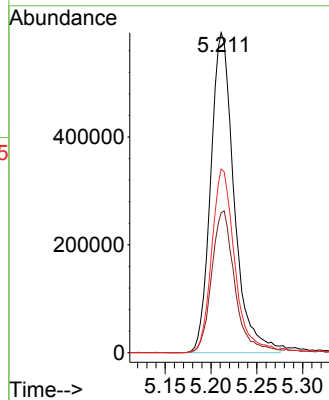
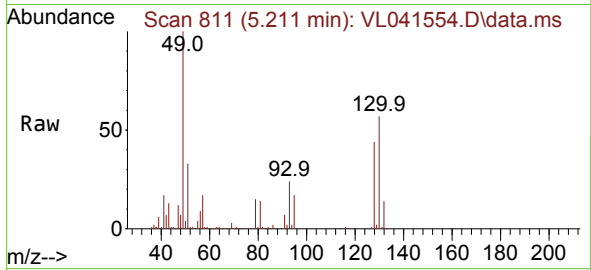




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

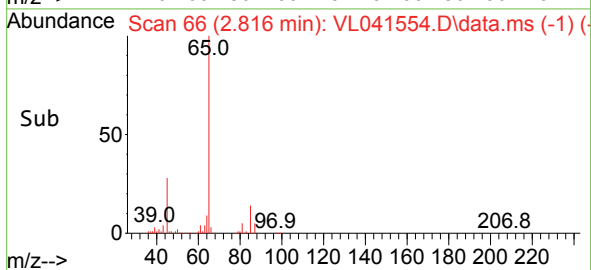
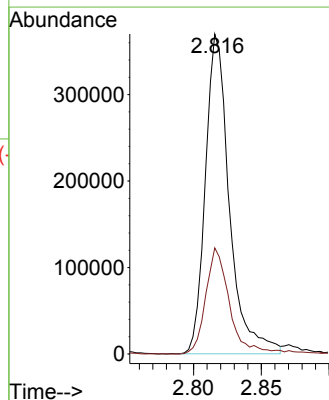
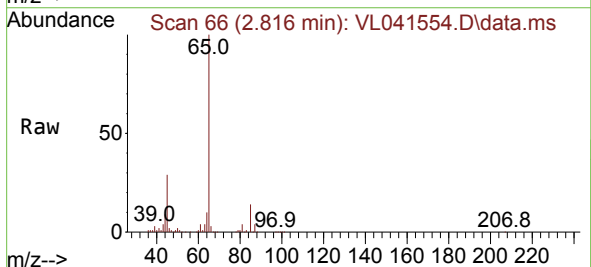
Instrument :
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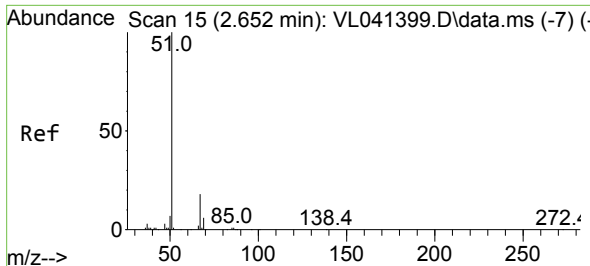
Tgt Ion: 49 Resp: 1054218
Ion Ratio Lower Upper
49 100
128 45.3 23.8 71.4
130 58.1 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 2.515 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.068 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 85 Resp: 456103
Ion Ratio Lower Upper
85 100
87 33.2 26.0 39.0

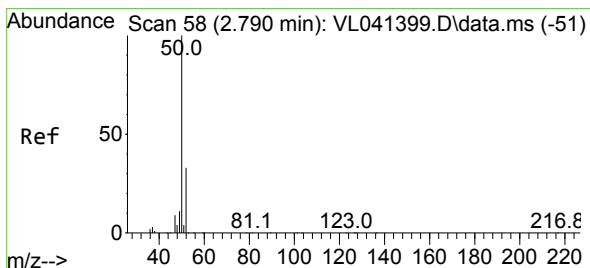
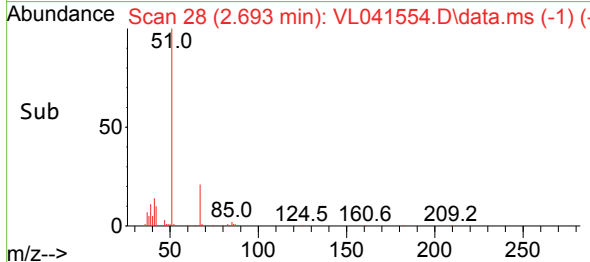
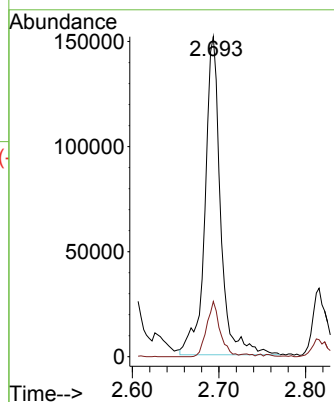
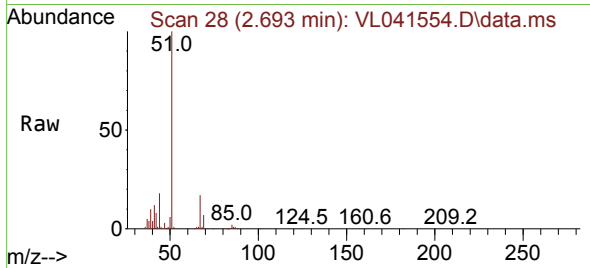




#3
Chlorodifluoromethane
Concen: 1.509 ppbv
RT: 2.693 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

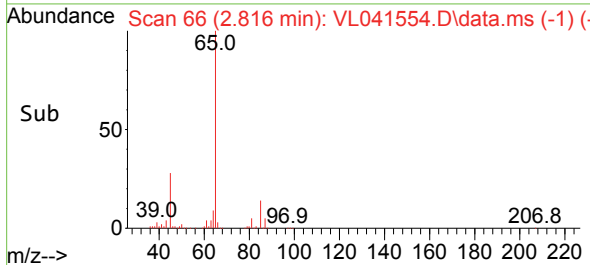
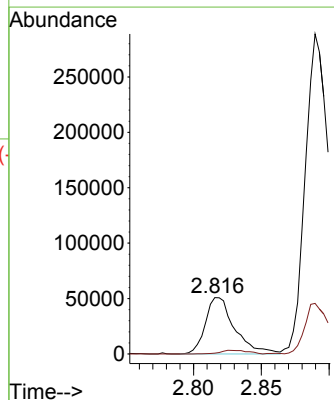
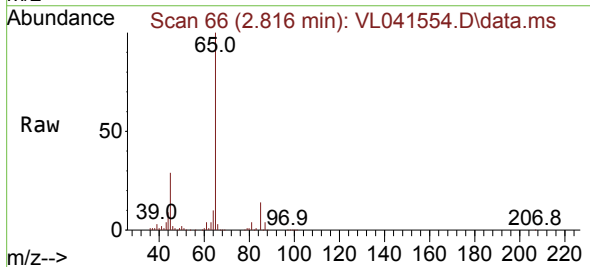
Instrument :
MSVOA_L
ClientSampleId :
SV3

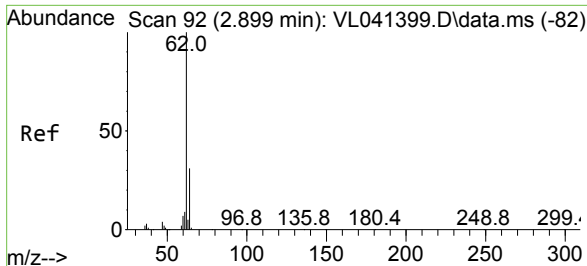
Tgt Ion: 51 Resp: 189433
Ion Ratio Lower Upper
51 100
67 16.3 14.5 21.7



#4
Chloromethane
Concen: 1.147 ppbv
RT: 2.816 min Scan# 66
Delta R.T. -0.016 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 50 Resp: 76562
Ion Ratio Lower Upper
50 100
52 1.4 26.1 39.1#

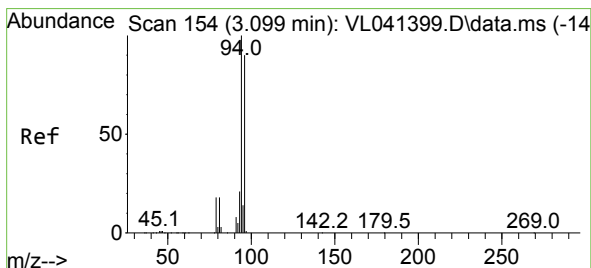
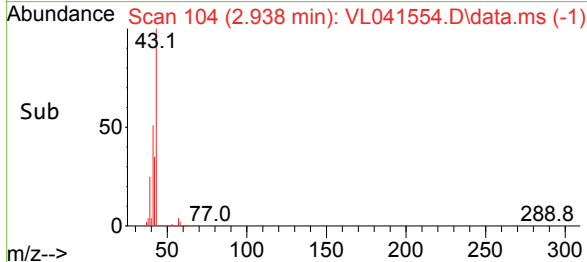
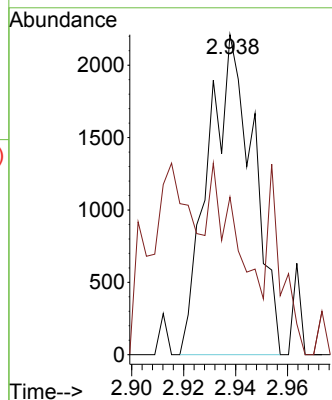
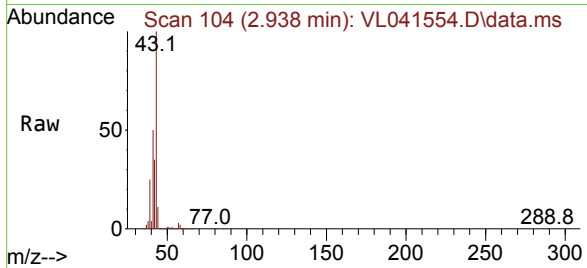




#5
 Vinyl Chloride
 Concen: 0.041 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. -0.000 min
 Lab File: VL041554.D
 Acq: 19 Aug 2024 19:24

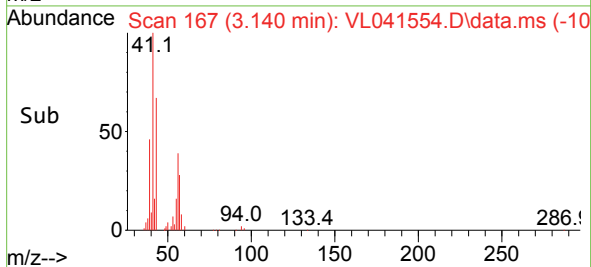
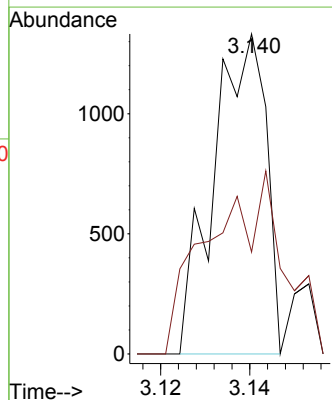
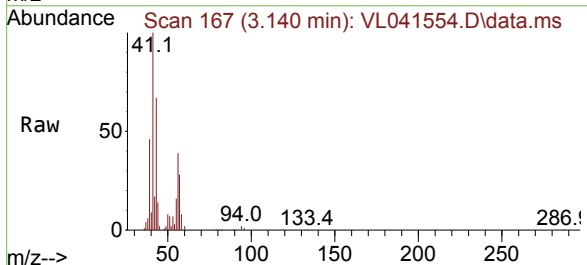
Instrument :
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 ClientSampleId :
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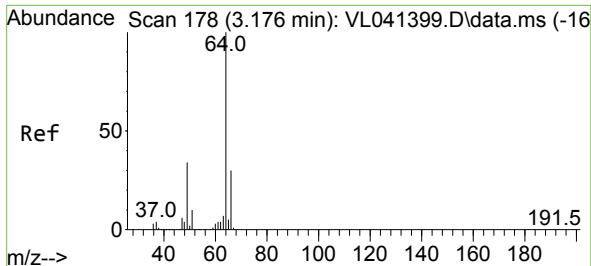
Tgt Ion: 62 Resp: 2667
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.0 37.4



#6
 Bromomethane
 Concen: 0.032 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. 0.003 min
 Lab File: VL041554.D
 Acq: 19 Aug 2024 19:24

Tgt Ion: 94 Resp: 1090
 Ion Ratio Lower Upper
 94 100
 96 5.3 72.3 108.5#

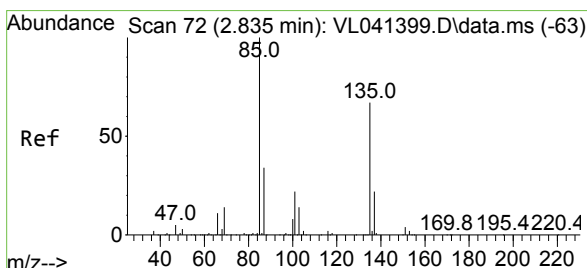
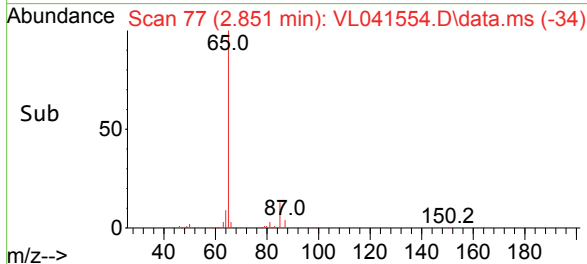
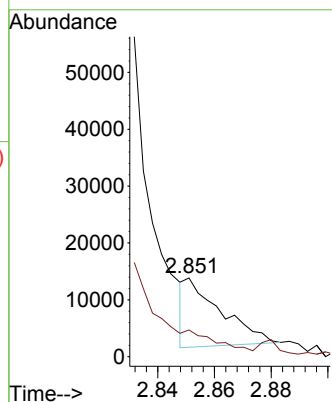
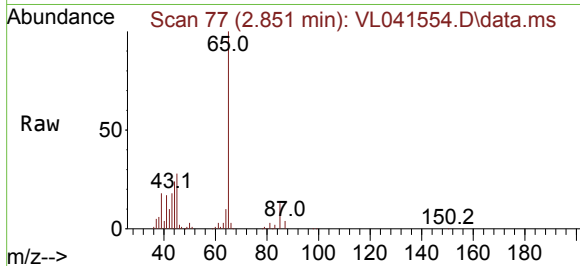




#7
Chloroethane
Concen: 0.467 ppbv
RT: 2.851 min Scan# 71
Delta R.T. -0.363 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

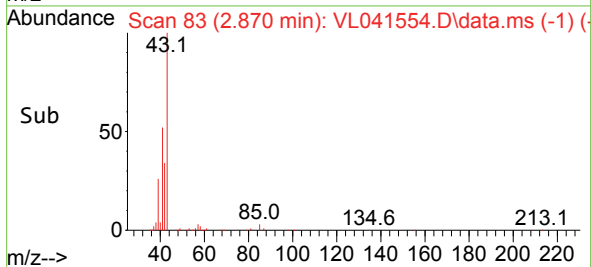
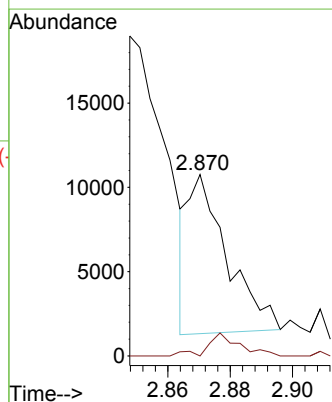
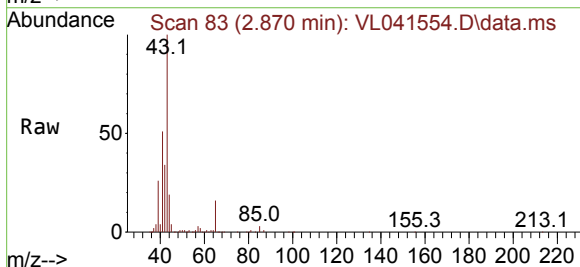
Instrument :
MSVOA_L
ClientSampleId :
SV3

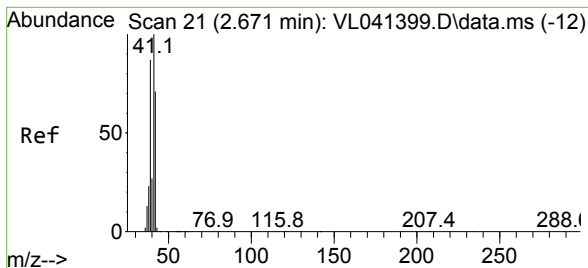
Tgt Ion: 64 Resp: 10615
Ion Ratio Lower Upper
64 100
66 34.0 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 0.051 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 85 Resp: 8256
Ion Ratio Lower Upper
85 100
135 11.7 55.4 83.0#





#9

Propene

Concen: 196.422 ppbv

RT: 2.890 min Scan# 89

Delta R.T. 0.177 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

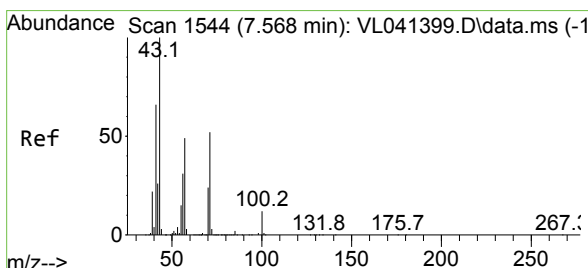
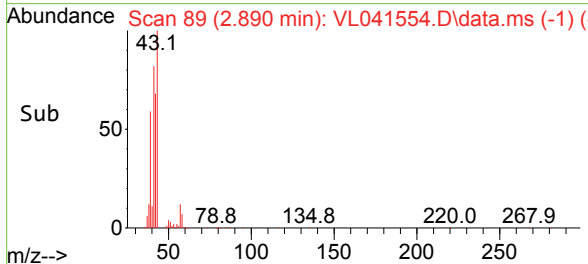
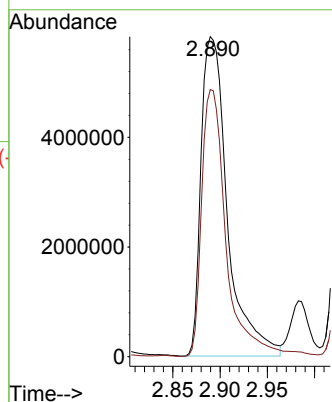
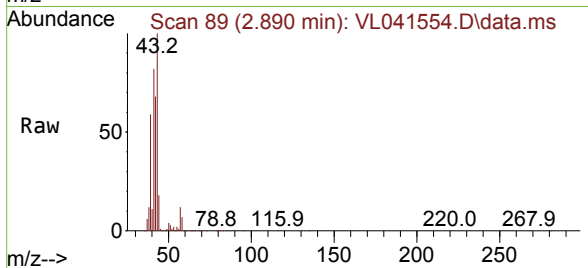
SV3

Tgt Ion: 41 Resp:11324141

Ion Ratio Lower Upper

41 100

42 77.5 55.9 83.9



#10

Heptane

Concen: 1.657 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VL041554.D

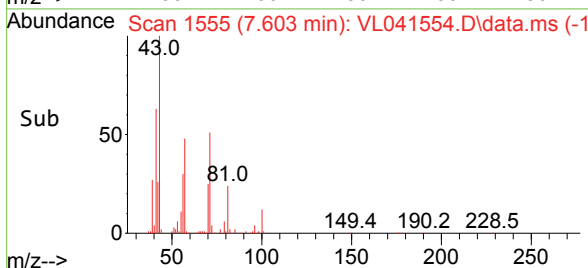
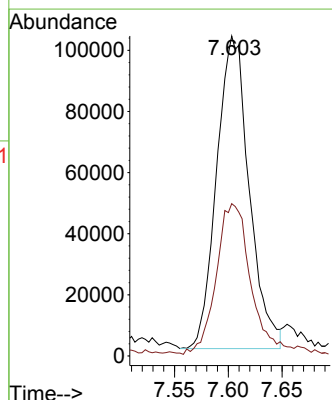
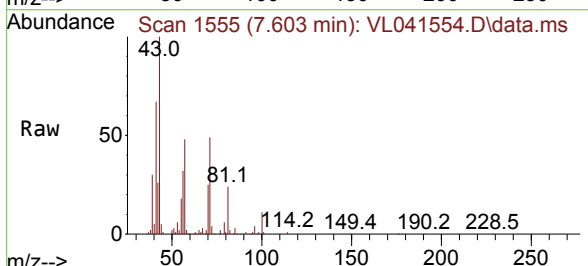
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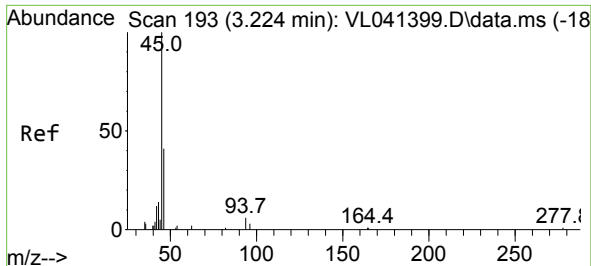
Tgt Ion: 43 Resp: 214704

Ion Ratio Lower Upper

43 100

57 52.1 40.5 60.7

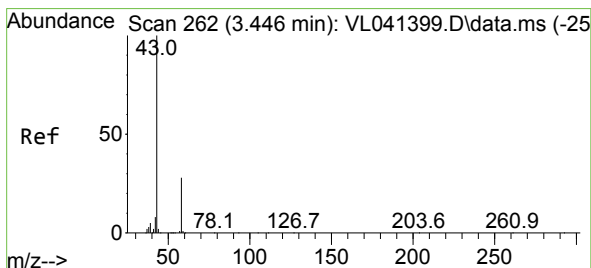
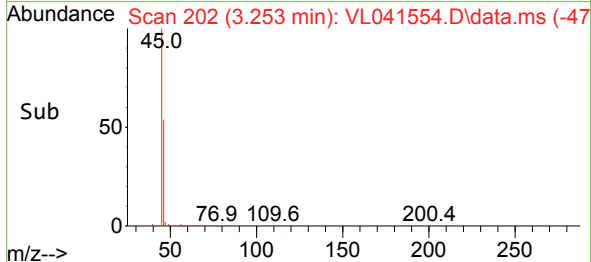
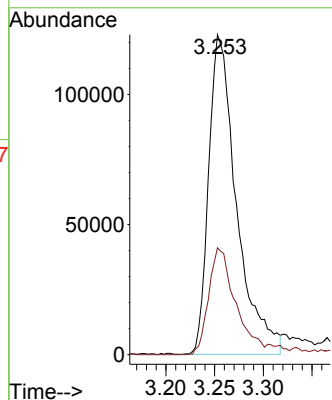
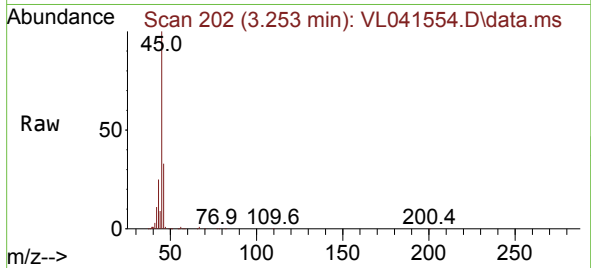




#13
Ethanol
Concen: 47.452 ppbv
RT: 3.253 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

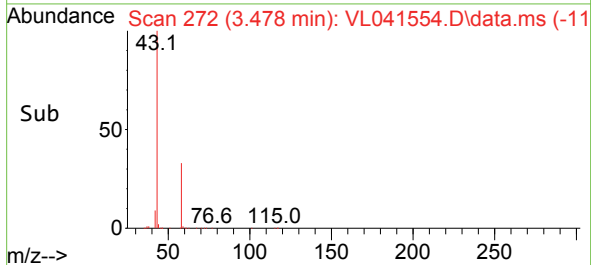
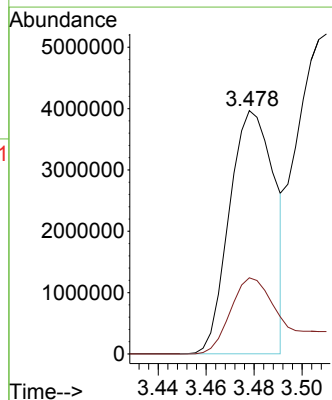
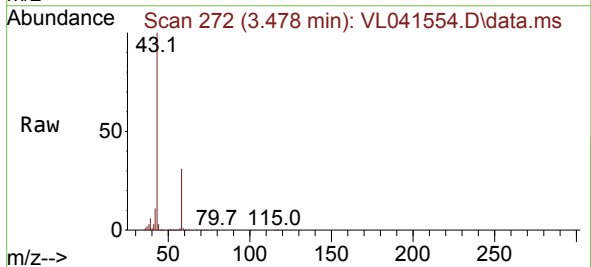
Instrument :
MSVOA_L
ClientSampleId :
SV3

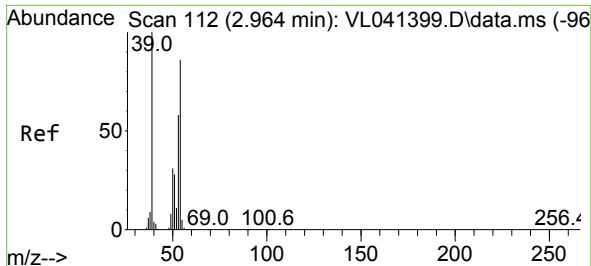
Tgt Ion: 45 Resp: 244511
Ion Ratio Lower Upper
45 100
46 35.4 13.4 53.4



#15
Acetone
Concen: 43.229 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 43 Resp: 5177995
Ion Ratio Lower Upper
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58 45.8 21.4 32.2#

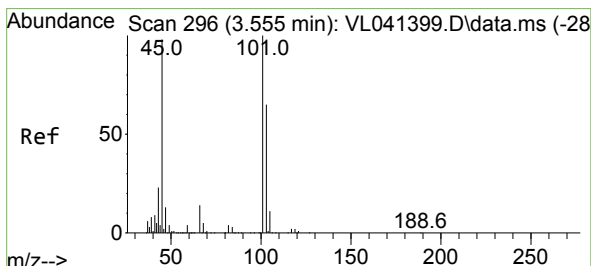
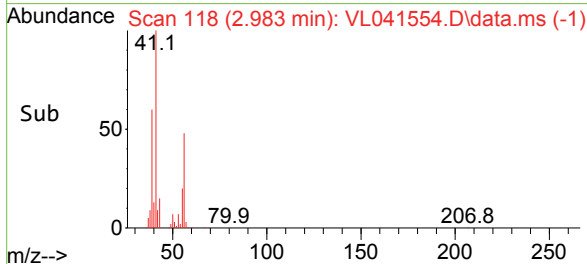
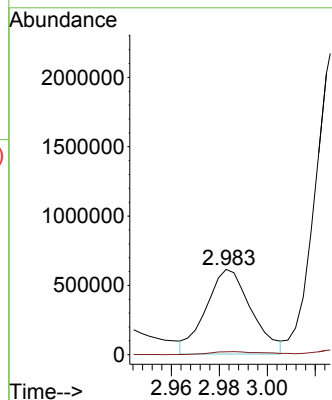
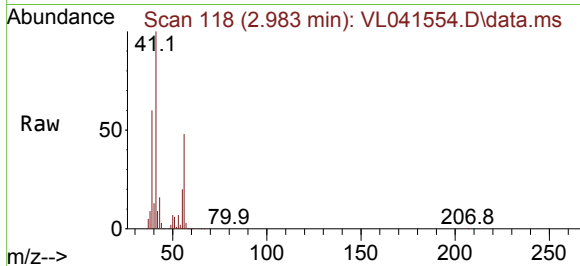




#16
1,3-Butadiene
Concen: 12.474 ppbv
RT: 2.983 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

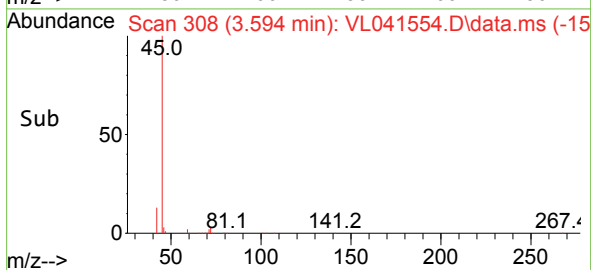
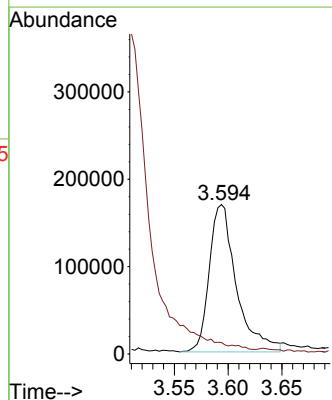
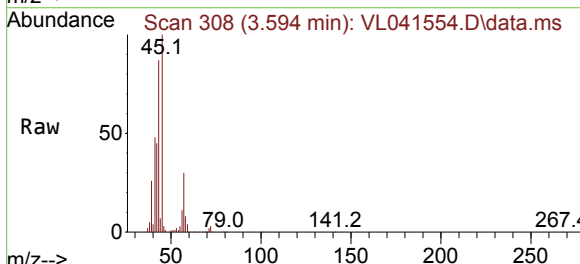
Instrument :
MSVOA_L
ClientSampleId :
SV3

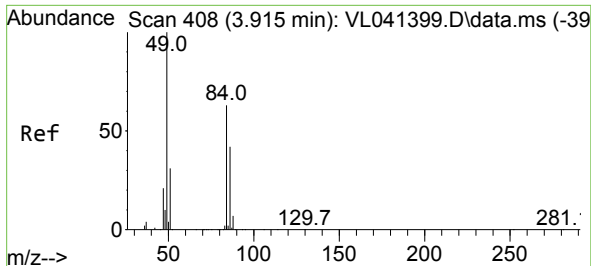
Tgt Ion: 39 Resp: 798275
Ion Ratio Lower Upper
39 100
54 4.8 62.5 93.7#



#19
Isopropyl Alcohol
Concen: 4.242 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 45 Resp: 297039
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#





#20

Methylene Chloride

Concen: 1.345 ppbv

RT: 3.951 min Scan# 419

Delta R.T. -0.000 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 84 Resp: 60076

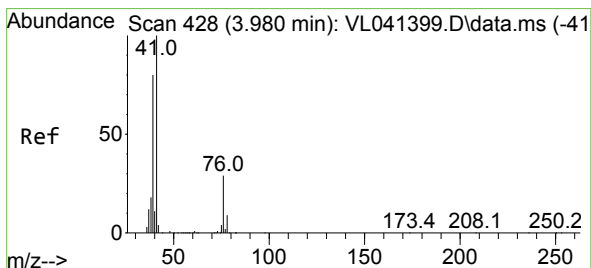
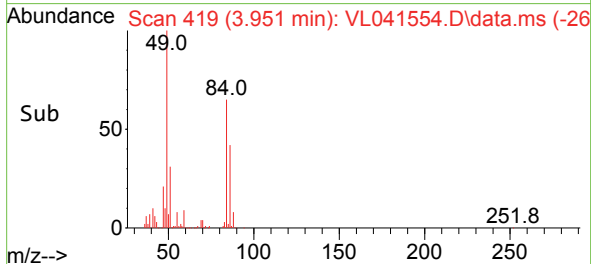
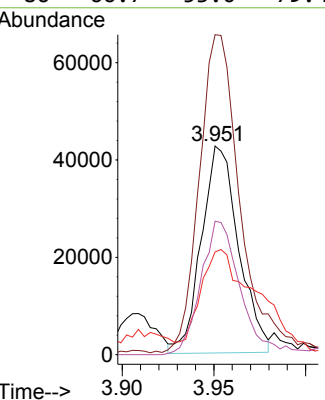
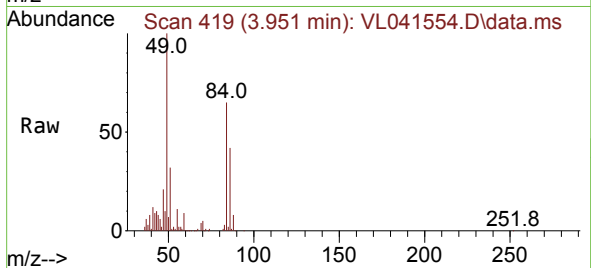
Ion Ratio Lower Upper

84 100

49 155.5 126.6 190.0

51 43.6 38.6 58.0

86 66.7 53.0 79.4



#21

Allyl Chloride

Concen: 1.118 ppbv

RT: 3.976 min Scan# 427

Delta R.T. -0.035 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

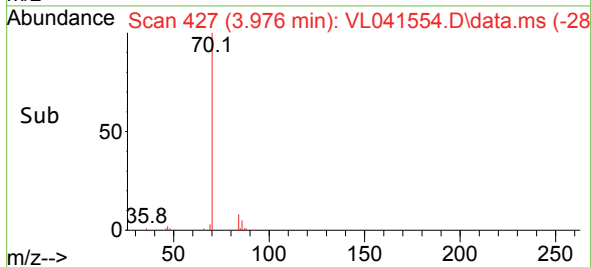
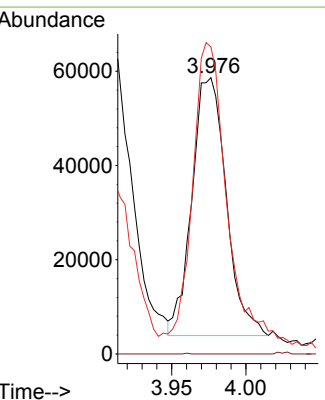
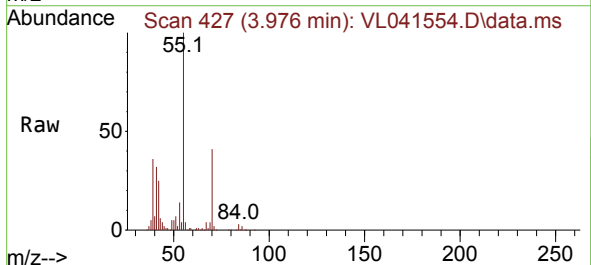
Tgt Ion: 41 Resp: 87835

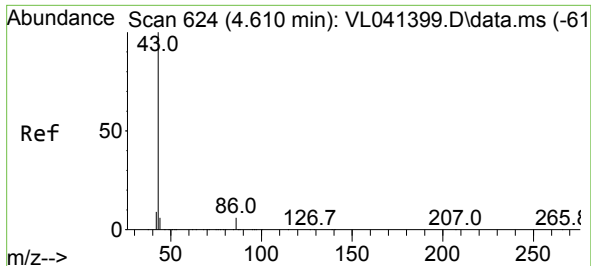
Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

39 126.5 64.3 96.5#

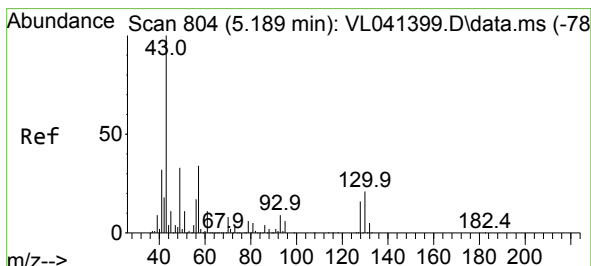
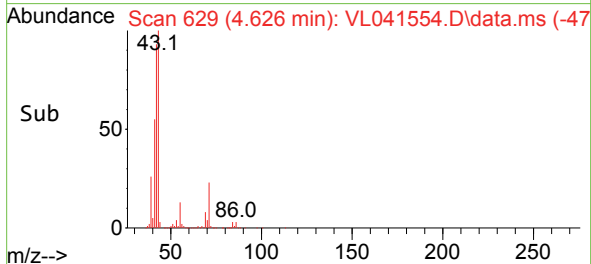
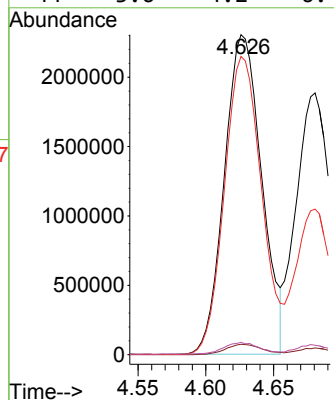
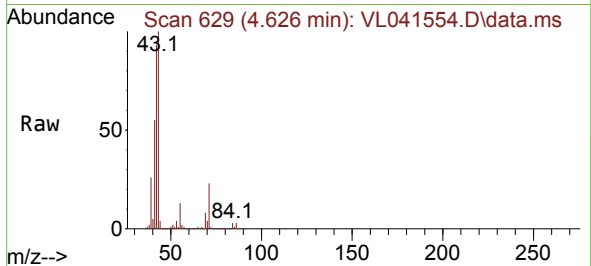




#23
 Vinyl Acetate
 Concen: 48.216 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL041554.D
 Acq: 19 Aug 2024 19:24

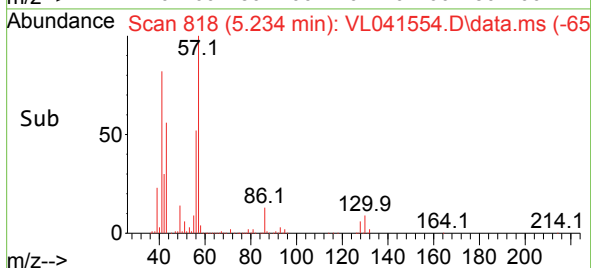
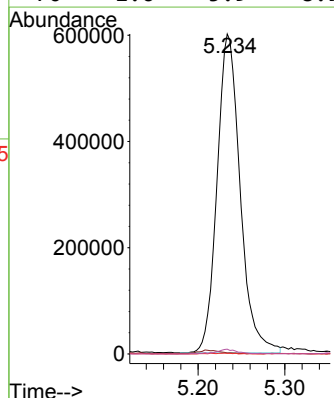
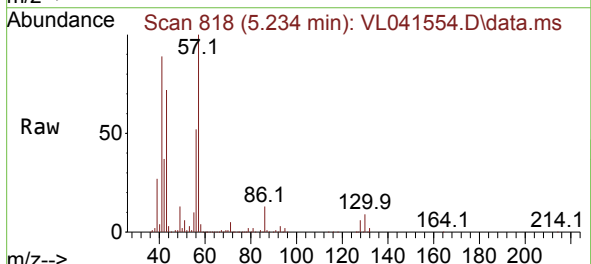
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

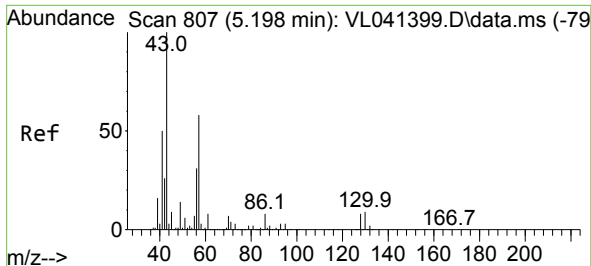
Tgt Ion: 43 Resp: 4410839
 Ion Ratio Lower Upper
 43 100
 86 3.2 4.6 6.8#
 42 93.3 7.9 11.9#
 44 3.6 4.2 6.4#



#25
 Ethyl Acetate
 Concen: 4.673 ppbv
 RT: 5.234 min Scan# 818
 Delta R.T. 0.013 min
 Lab File: VL041554.D
 Acq: 19 Aug 2024 19:24

Tgt Ion: 43 Resp: 1111897
 Ion Ratio Lower Upper
 43 100
 45 1.4 8.5 12.7#
 61 0.3 8.0 12.0#
 70 1.6 5.9 8.9#

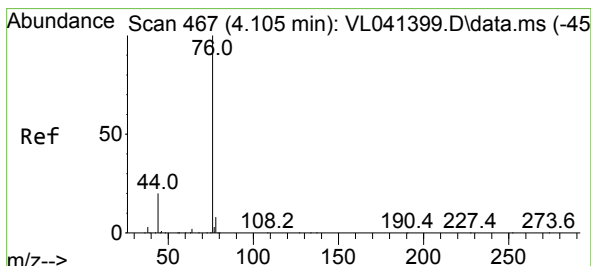
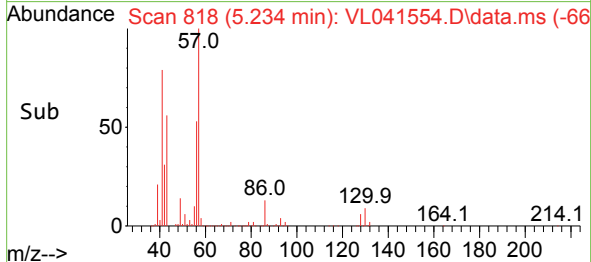
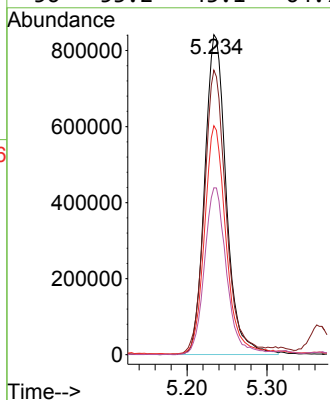
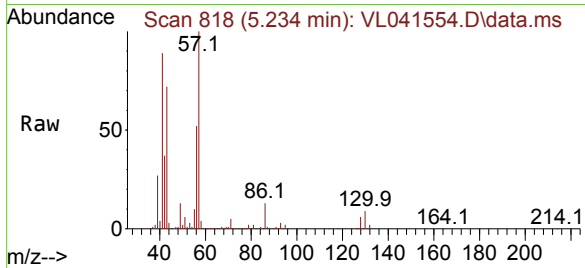




#26
Hexane
Concen: 15.974 ppbv
RT: 5.234 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

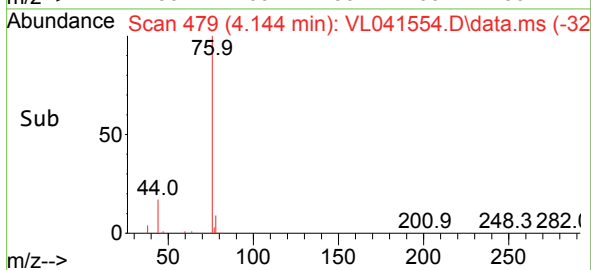
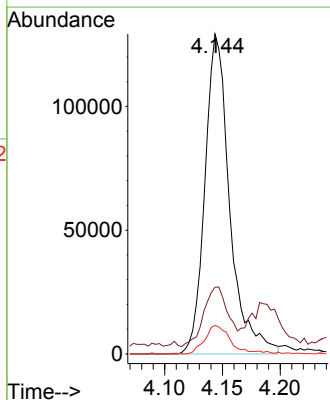
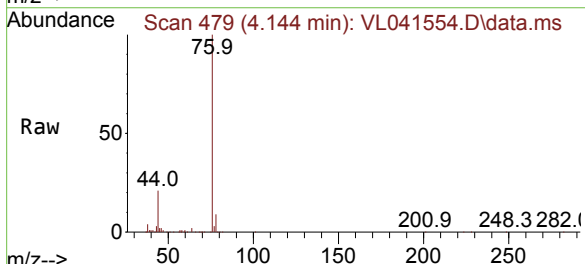
Instrument :
MSVOA_L
ClientSampleId :
SV3

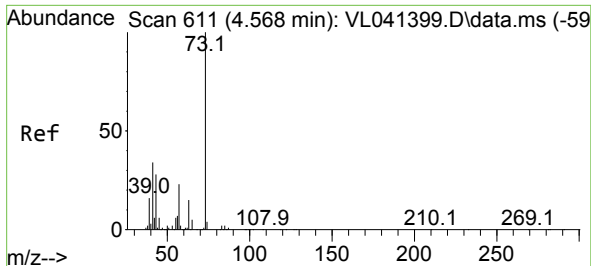
Tgt Ion: 57 Resp: 1576904
Ion Ratio Lower Upper
57 100
41 92.1 74.0 111.0
43 71.5 193.6 290.4#
56 53.2 43.1 64.7



#27
Carbon Disulfide
Concen: 1.672 ppbv
RT: 4.144 min Scan# 479
Delta R.T. -0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 76 Resp: 193046
Ion Ratio Lower Upper
76 100
44 19.0 15.6 23.4
78 9.9 7.7 11.5





#28

Methyl tert-Butyl Ether

Concen: 0.307 ppbv

RT: 4.607 min Scan# 611

Delta R.T. 0.003 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

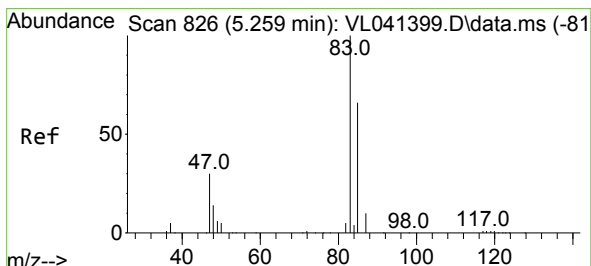
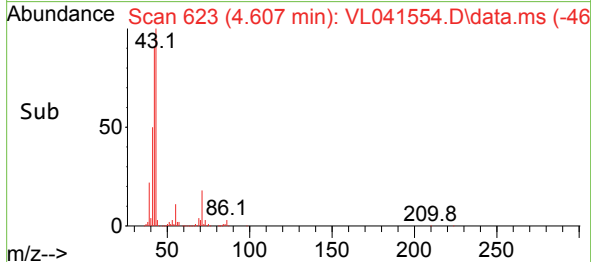
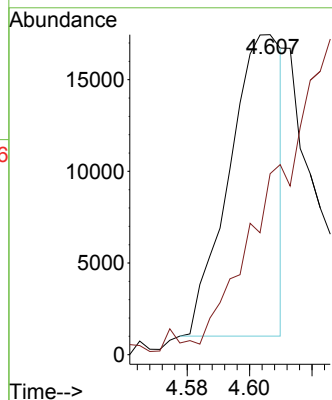
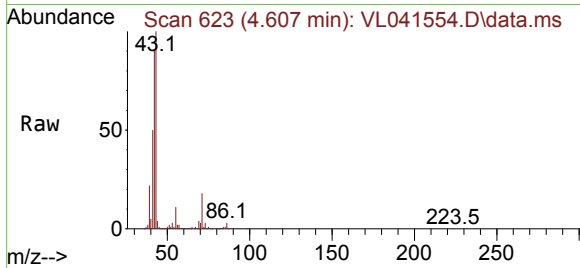
SV3

Tgt Ion: 73 Resp: 19100

Ion Ratio Lower Upper

73 100

57 0.0 18.9 28.3#



#29

Chloroform

Concen: 0.035 ppbv

RT: 5.288 min Scan# 835

Delta R.T. -0.006 min

Lab File: VL041554.D

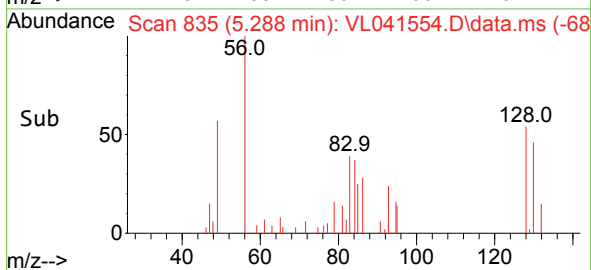
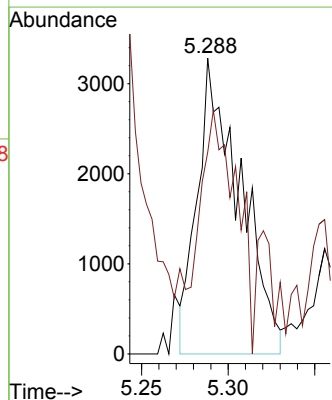
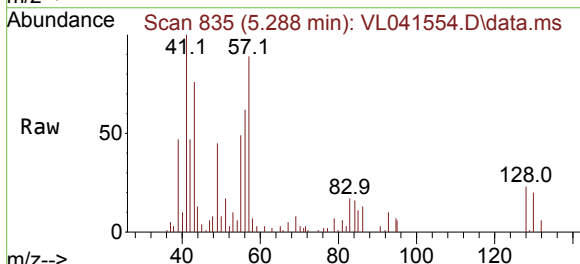
Acq: 19 Aug 2024 19:24

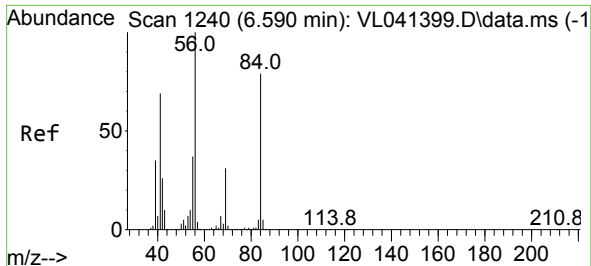
Tgt Ion: 83 Resp: 5633

Ion Ratio Lower Upper

83 100

85 47.8 53.1 79.7#





#30

Cyclohexane

Concen: 5.907 ppbv

RT: 6.623 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

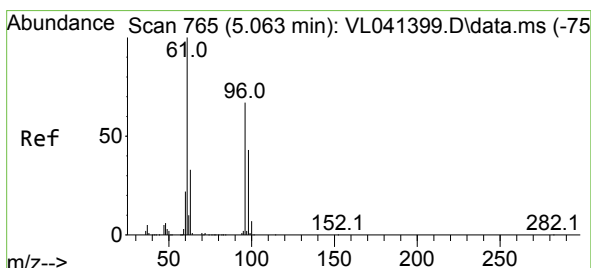
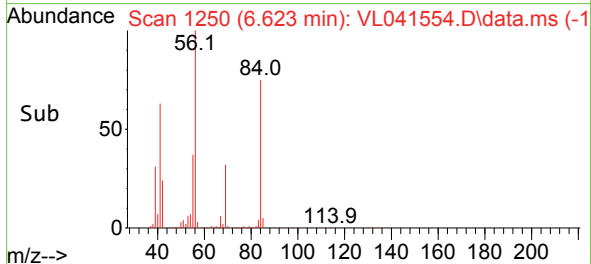
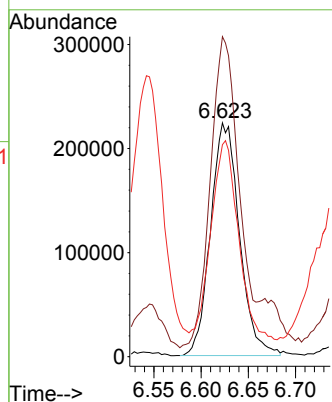
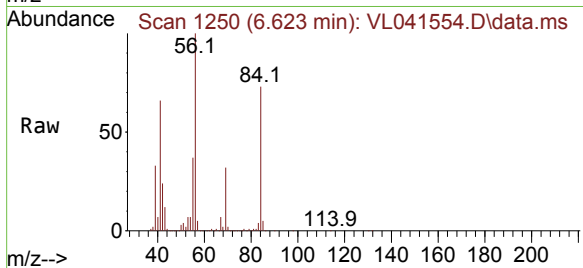
Tgt Ion: 84 Resp: 474877

Ion Ratio Lower Upper

84 100

56 149.7 111.2 166.8

41 86.5 70.3 105.5



#31

cis-1,2-Dichloroethene

Concen: 0.045 ppbv

RT: 5.099 min Scan# 776

Delta R.T. 0.003 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

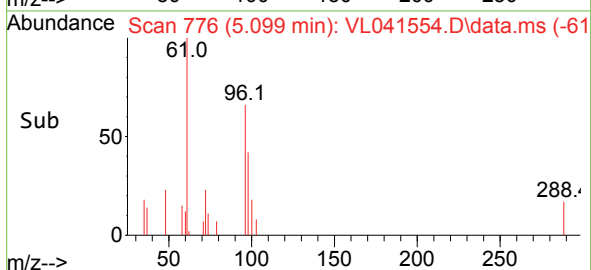
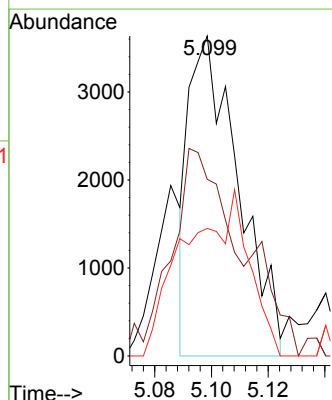
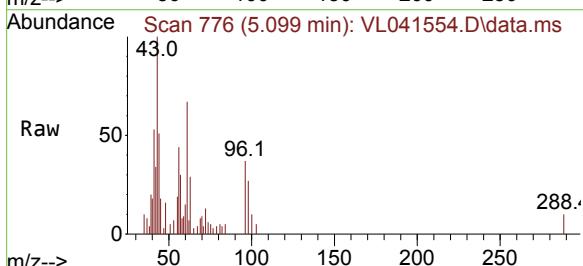
Tgt Ion: 61 Resp: 4421

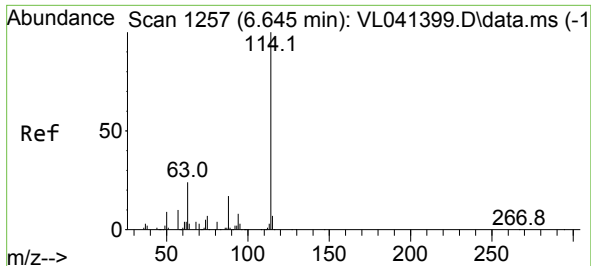
Ion Ratio Lower Upper

61 100

96 44.8 53.4 80.2#

98 42.1 34.4 51.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

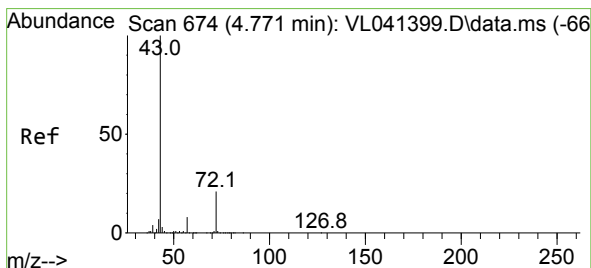
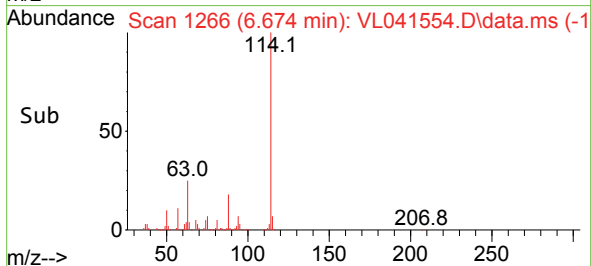
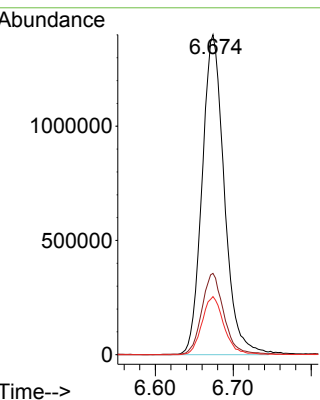
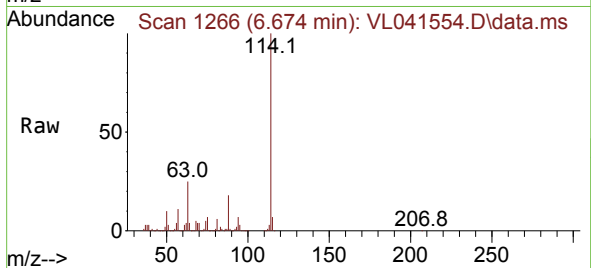
Tgt Ion:114 Resp: 2772046

Ion Ratio Lower Upper

114 100

63 25.7 20.3 30.5

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 19.499 ppbv

RT: 4.799 min Scan# 683

Delta R.T. -0.003 min

Lab File: VL041554.D

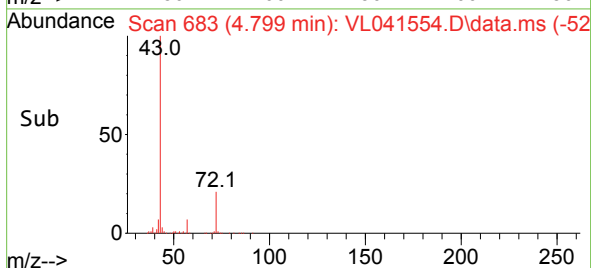
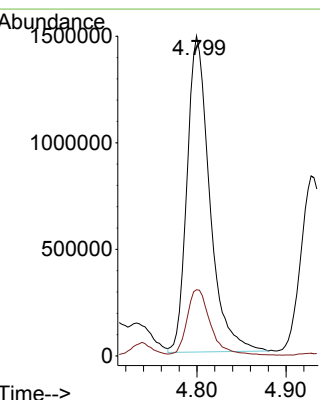
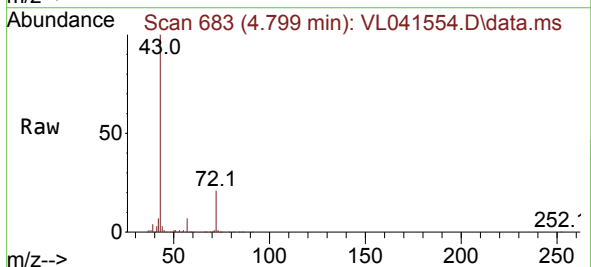
Acq: 19 Aug 2024 19:24

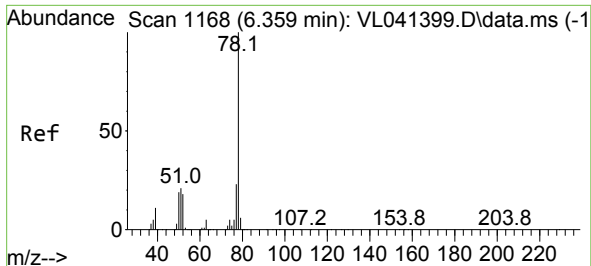
Tgt Ion: 43 Resp: 2614625

Ion Ratio Lower Upper

43 100

72 22.4 17.3 25.9

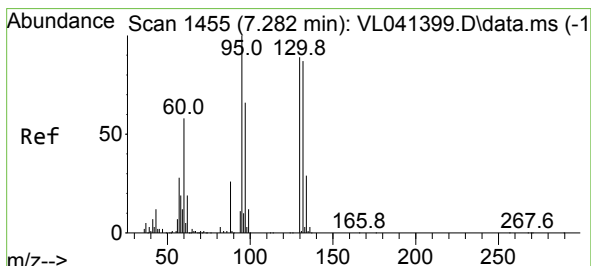
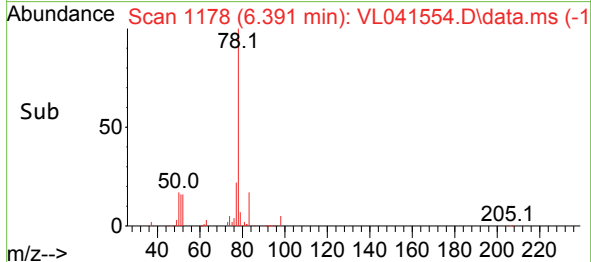
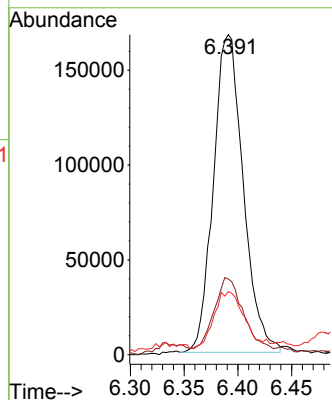
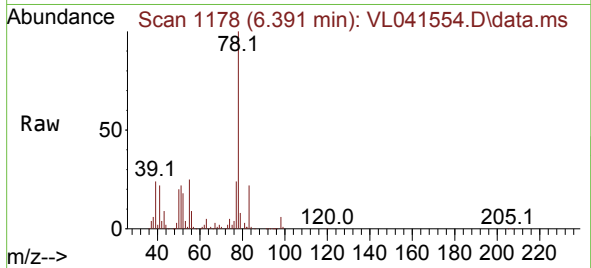




#36
Benzene
Concen: 1.595 ppbv
RT: 6.391 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

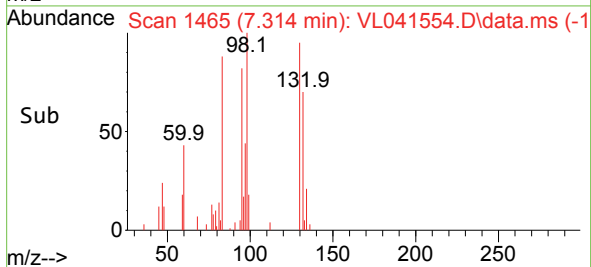
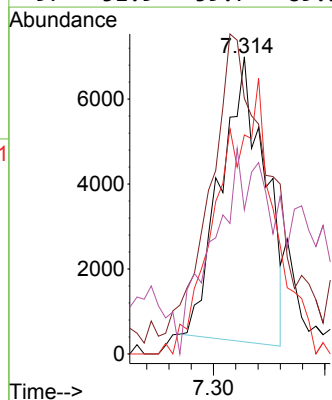
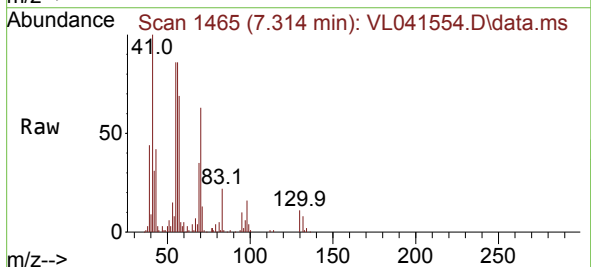
Instrument :
MSVOA_L
ClientSampleId :
SV3

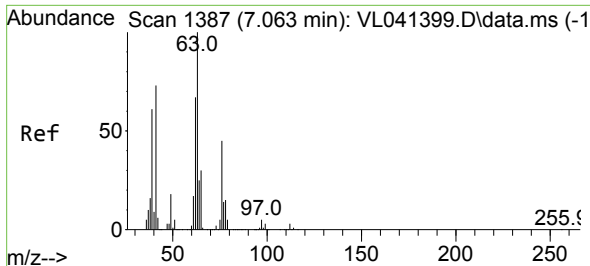
Tgt Ion: 78 Resp: 322976
Ion Ratio Lower Upper
78 100
77 21.4 18.1 27.1
50 16.8 15.5 23.3



#38
Trichloroethene
Concen: 0.099 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion:130 Resp: 9179
Ion Ratio Lower Upper
130 100
95 74.5 90.2 135.2#
132 68.3 78.1 117.1#
97 51.9 59.7 89.5#

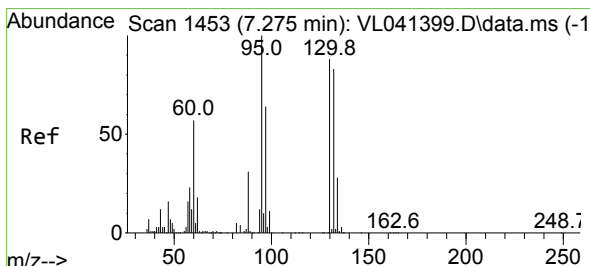
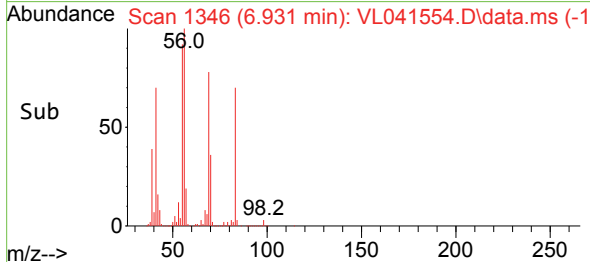
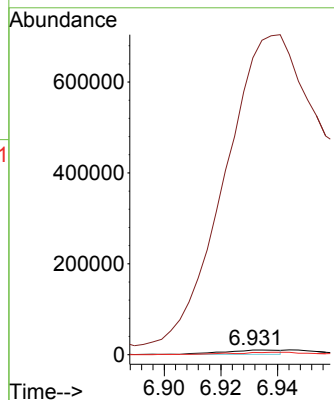
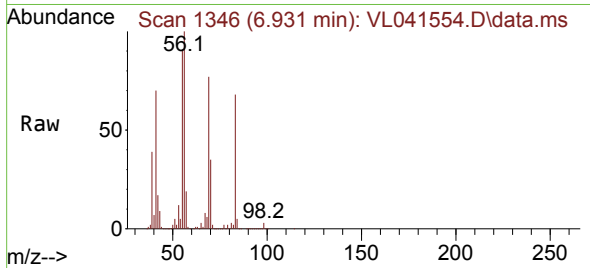




#39
1,2-Dichloropropane
Concen: 0.167 ppbv
RT: 6.931 min Scan# 11
Delta R.T. -0.164 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

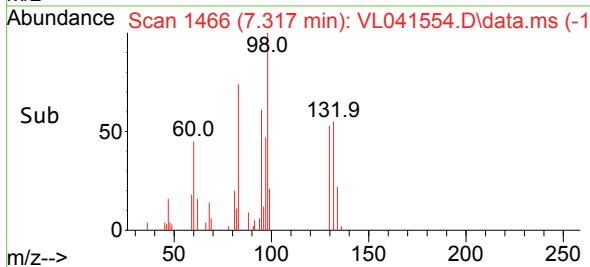
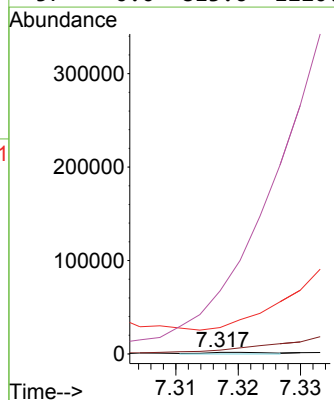
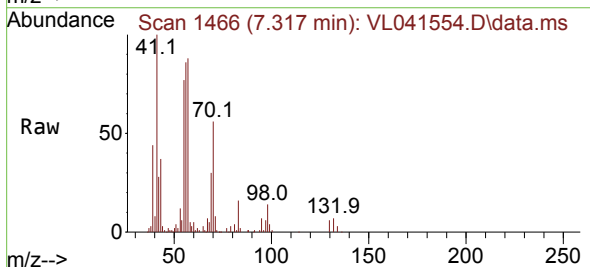
Instrument :
MSVOA_L
ClientSampleId :
SV3

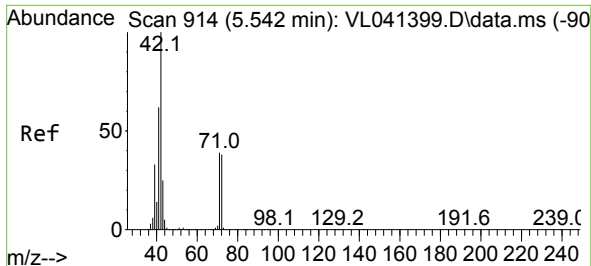
Tgt Ion: 63 Resp: 12962
Ion Ratio Lower Upper
63 100
41 6115.6 58.3 87.5#
62 45.2 53.9 80.9#



#40
1,4-Dioxane
Concen: 0.040 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.010 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 88 Resp: 1243
Ion Ratio Lower Upper
88 100
58 0.0 95.8 143.6#
43 0.0 188.2 282.2#
57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 1.240 ppbv

RT: 5.742 min Scan# 914

Delta R.T. 0.167 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

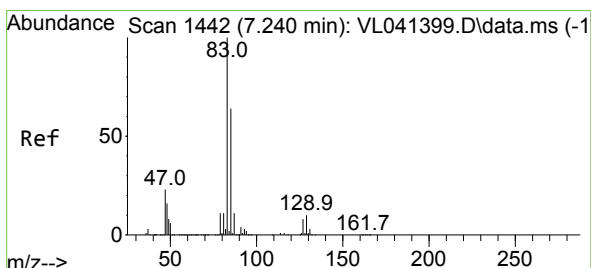
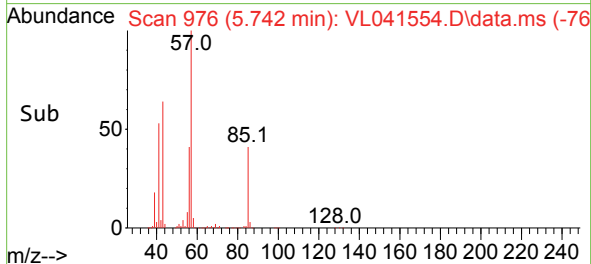
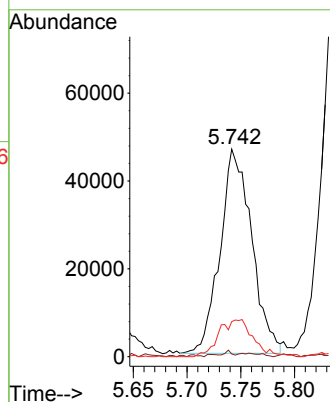
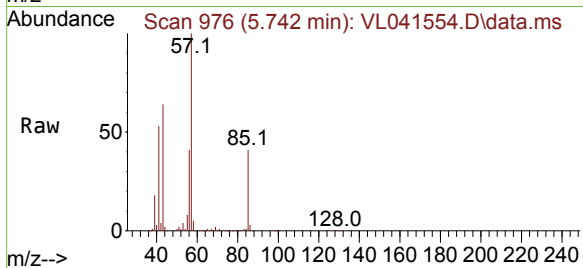
Tgt Ion: 42 Resp: 95112

Ion Ratio Lower Upper

42 100

72 3.2 31.2 46.8#

71 20.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 1.101 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. 0.010 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

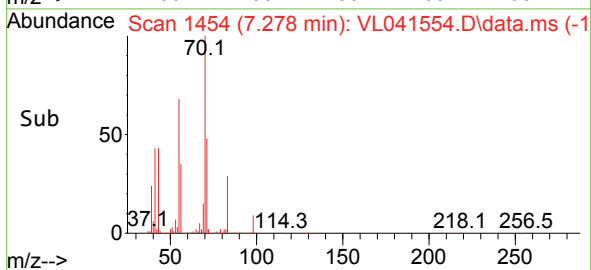
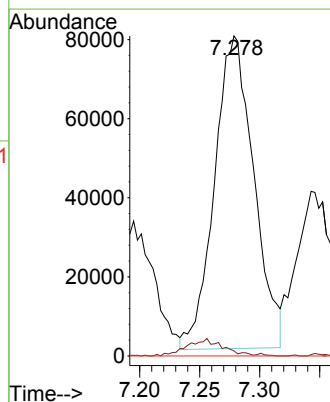
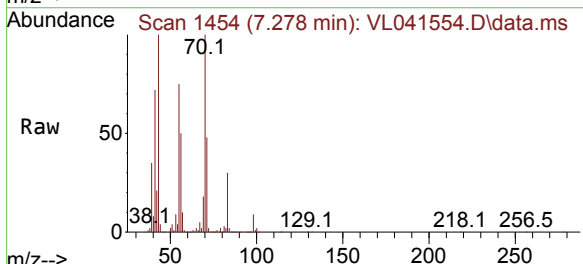
Tgt Ion: 83 Resp: 180204

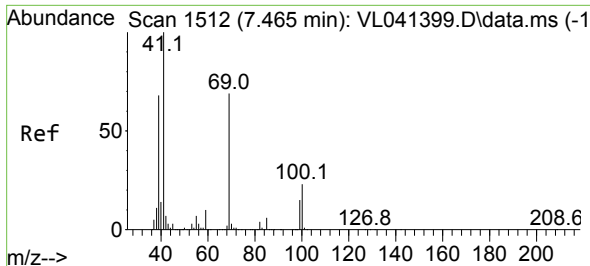
Ion Ratio Lower Upper

83 100

85 1.7 51.4 77.0#

127 0.0 6.7 10.1#

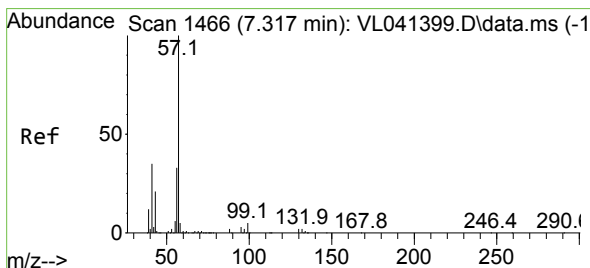
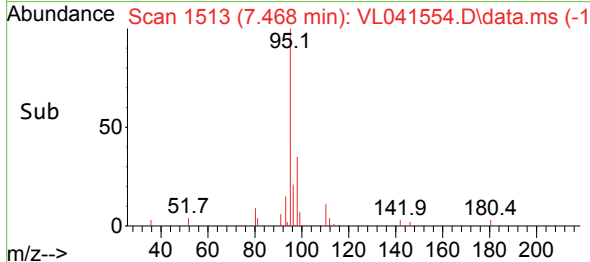
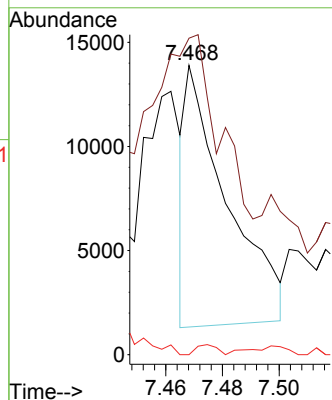
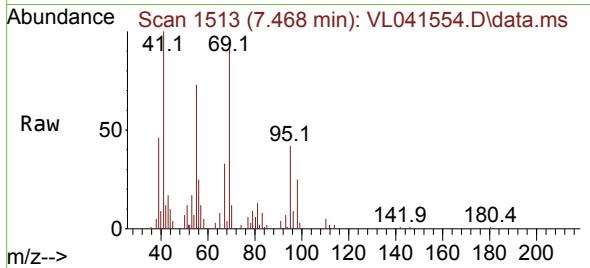




#43
Methyl Methacrylate
Concen: 0.176 ppbv
RT: 7.468 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

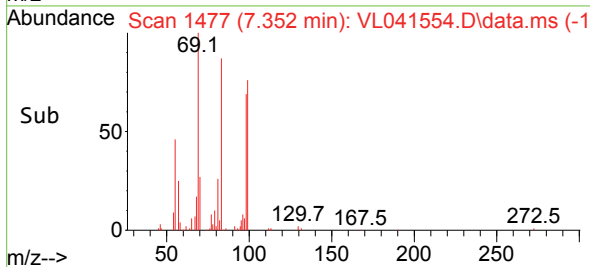
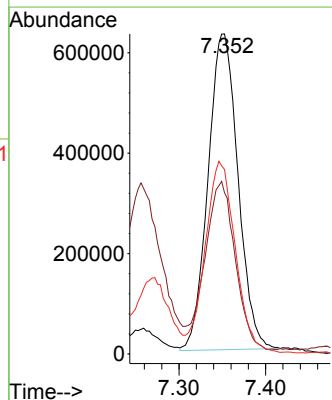
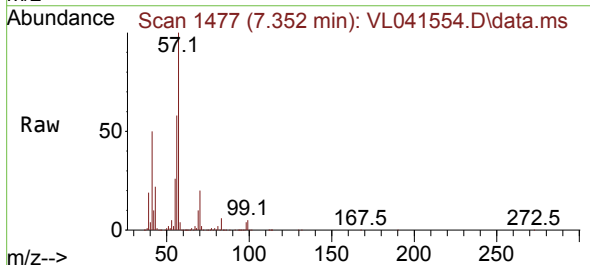
Instrument :
MSVOA_L
ClientSampleId :
SV3

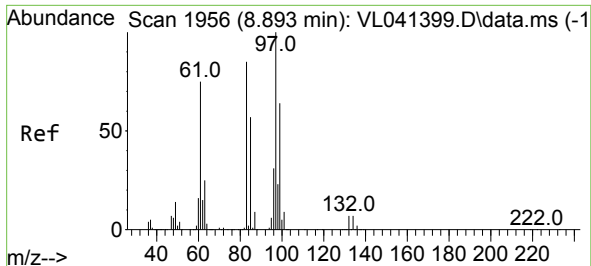
Tgt Ion: 69 Resp: 12783
Ion Ratio Lower Upper
69 100
41 0.0 118.7 178.1#
100 0.0 27.0 40.4#



#44
2,2,4-Trimethylpentane
Concen: 4.469 ppbv
RT: 7.352 min Scan# 1477
Delta R.T. 0.010 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 57 Resp: 1511853
Ion Ratio Lower Upper
57 100
41 53.8 27.0 40.6#
56 60.9 25.2 37.8#





#47

1,1,2-Trichloroethane

Concen: 0.093 ppbv

RT: 8.918 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 97 Resp: 7962

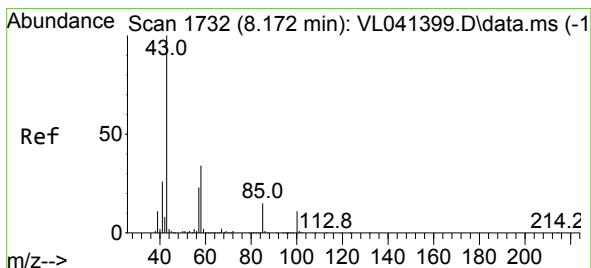
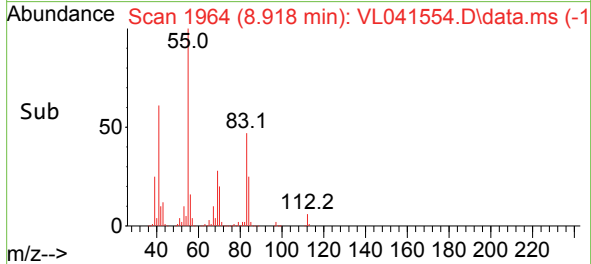
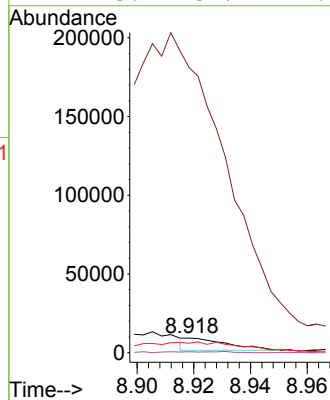
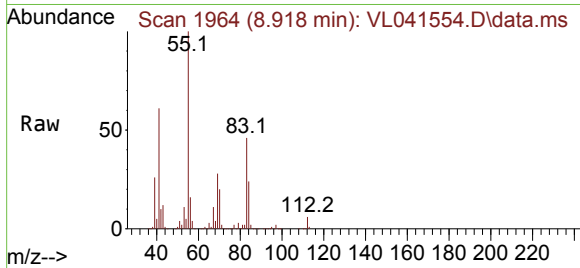
Ion Ratio Lower Upper

97 100

83 1927.9 67.6 101.4#

85 48.9 45.9 68.9

99 5.1 51.4 77.0#



#50

4-Methyl-2-Pentanone

Concen: 4.388 ppbv

RT: 8.233 min Scan# 1751

Delta R.T. 0.035 min

Lab File: VL041554.D

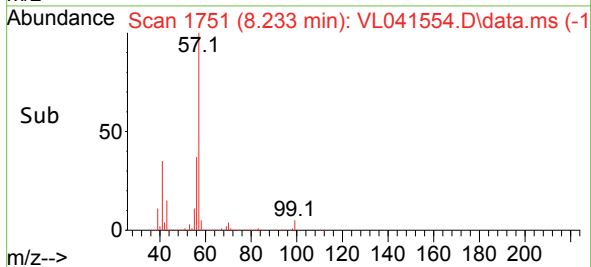
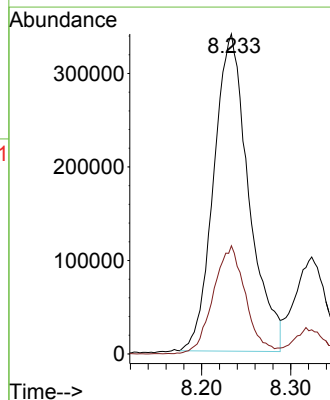
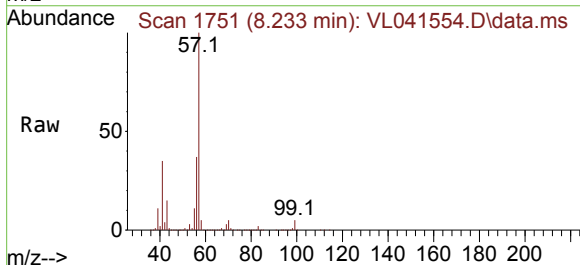
Acq: 19 Aug 2024 19:24

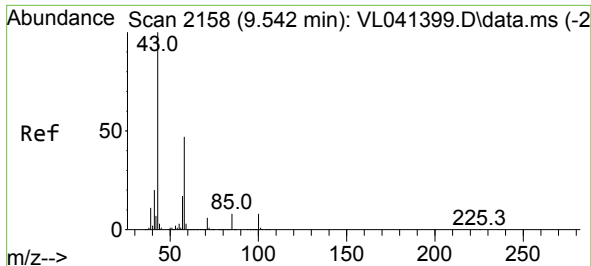
Tgt Ion: 43 Resp: 928247

Ion Ratio Lower Upper

43 100

58 31.4 27.9 41.9

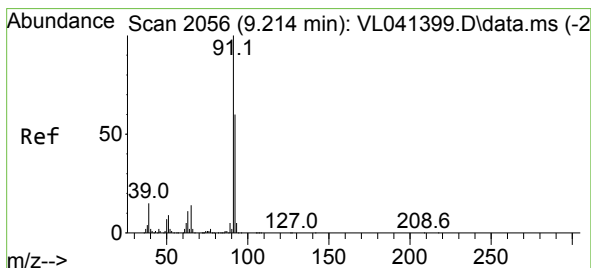
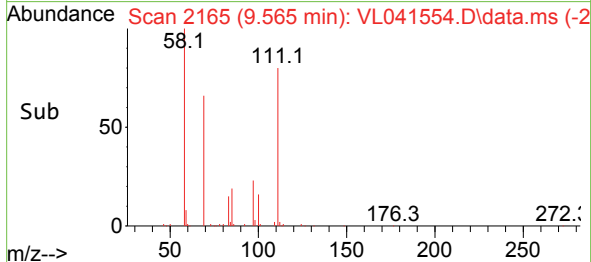
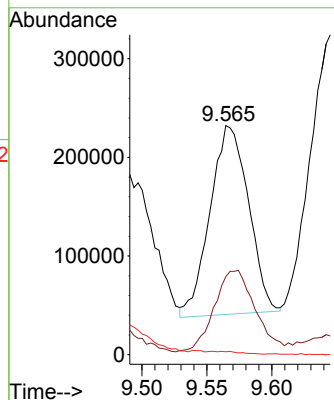
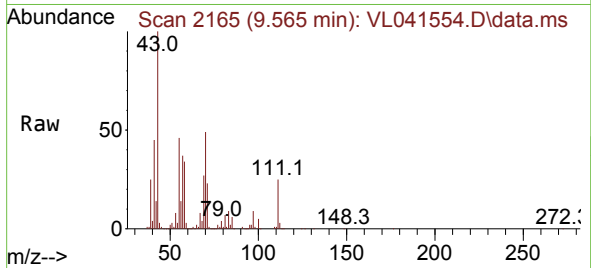




#51
2-Hexanone
Concen: 2.464 ppbv
RT: 9.565 min Scan# 2158
Delta R.T. -0.006 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

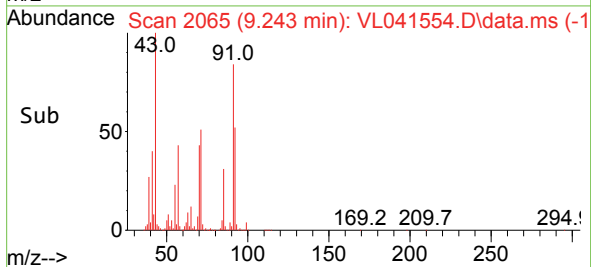
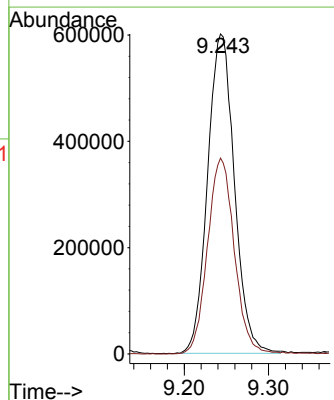
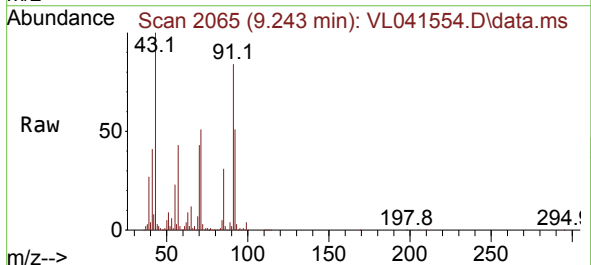
Instrument :
MSVOA_L
ClientSampleId :
SV3

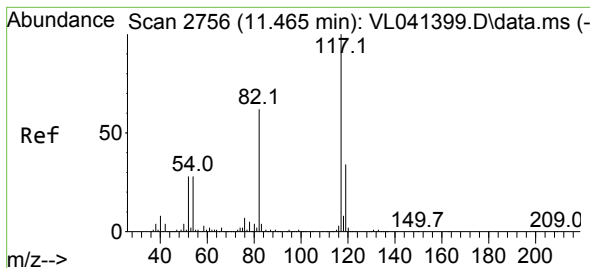
Tgt Ion: 43 Resp: 394178
Ion Ratio Lower Upper
43 100
58 48.8 38.2 57.2
98 0.0 0.3 0.5#



#53
Toluene
Concen: 5.884 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. 0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 91 Resp: 1327435
Ion Ratio Lower Upper
91 100
92 61.8 48.7 73.1

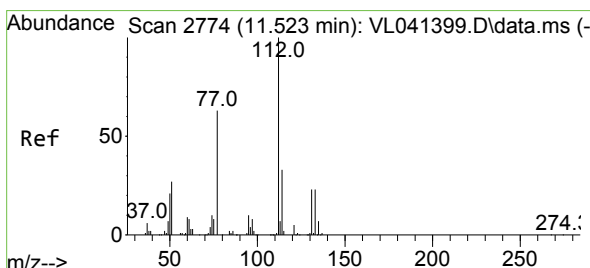
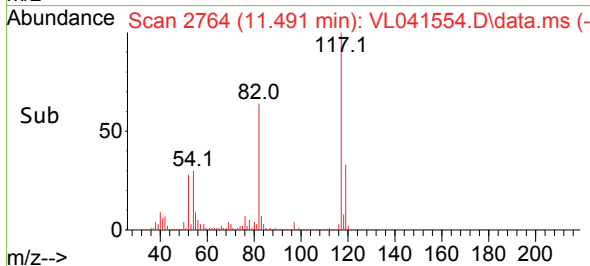
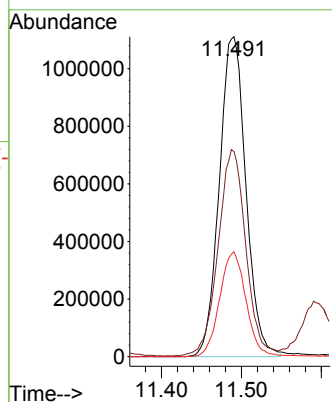
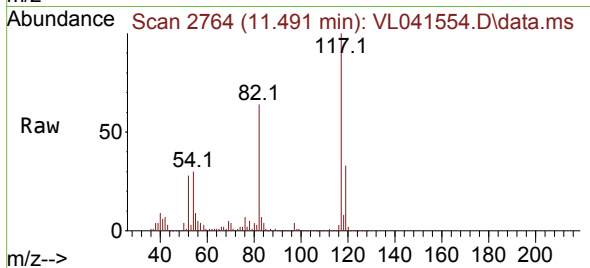




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

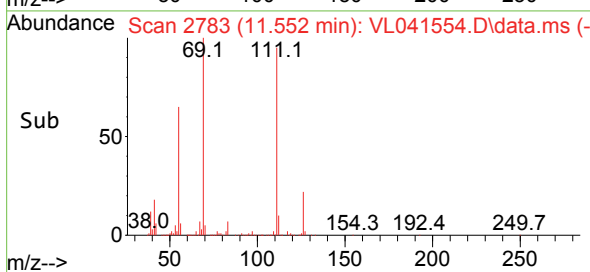
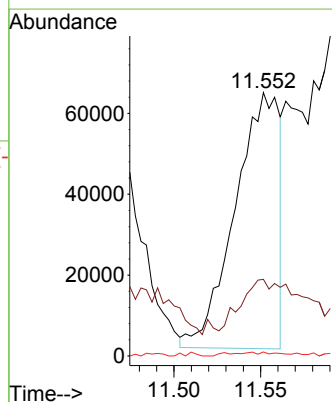
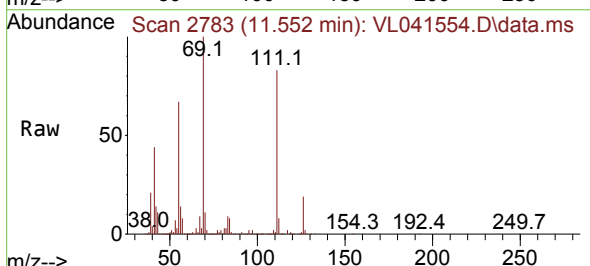
Instrument :
MSVOA_L
ClientSampleId :
SV3

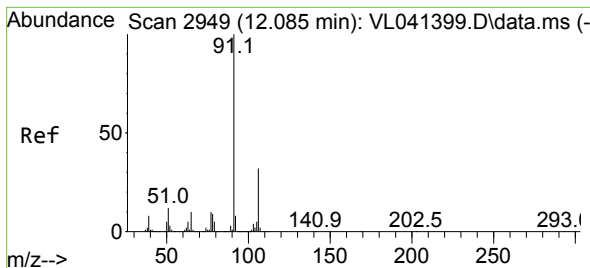
Tgt Ion:117 Resp: 2565571
Ion Ratio Lower Upper
117 100
82 66.7 51.0 76.6
119 32.9 45.2 67.8#



#57
Chlorobenzene
Concen: 0.619 ppbv
RT: 11.552 min Scan# 2783
Delta R.T. 0.006 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion:112 Resp: 112993
Ion Ratio Lower Upper
112 100
77 11.9 51.1 76.7#
114 0.6 29.5 36.1#





#58

Ethyl Benzene

Concen: 4.765 ppbv

RT: 12.114 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

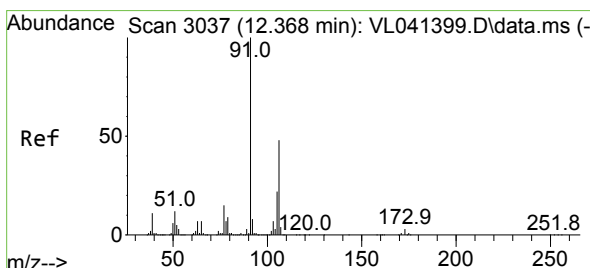
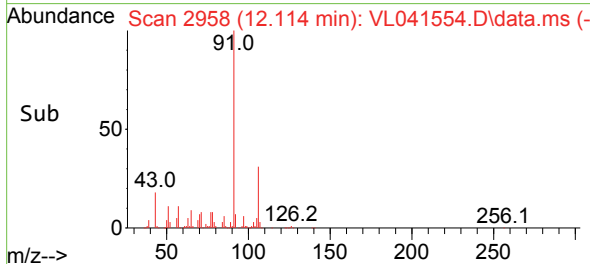
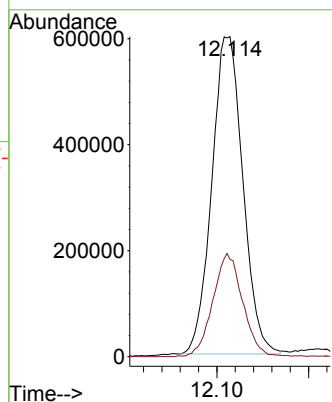
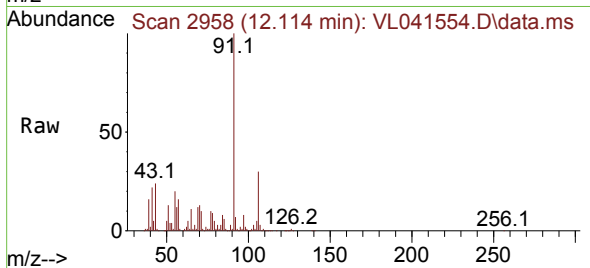
SV3

Tgt Ion: 91 Resp: 1408976

Ion Ratio Lower Upper

91 100

106 30.4 25.8 38.8



#59

m/p-Xylene

Concen: 7.165 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.026 min

Lab File: VL041554.D

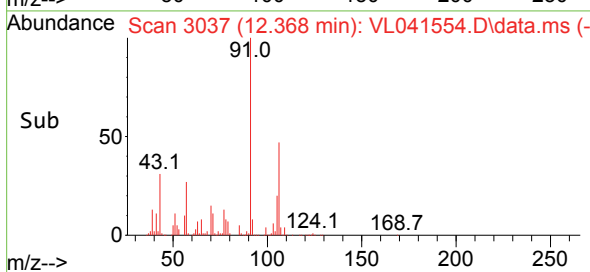
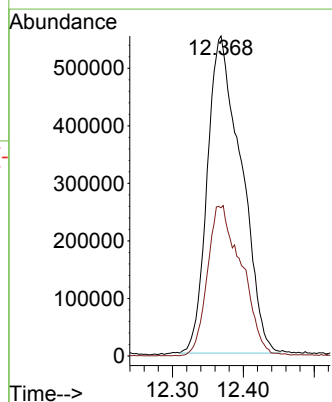
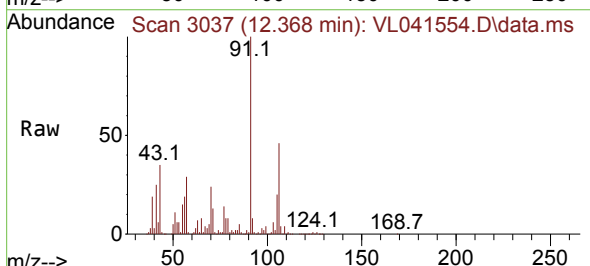
Acq: 19 Aug 2024 19:24

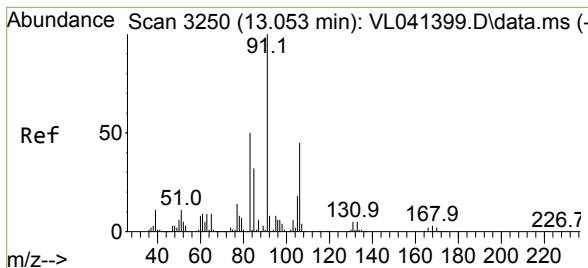
Tgt Ion: 91 Resp: 1829110

Ion Ratio Lower Upper

91 100

106 48.2 36.3 54.5

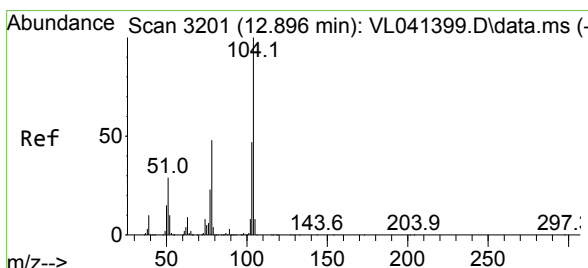
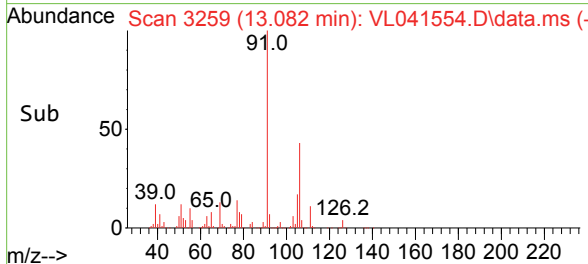
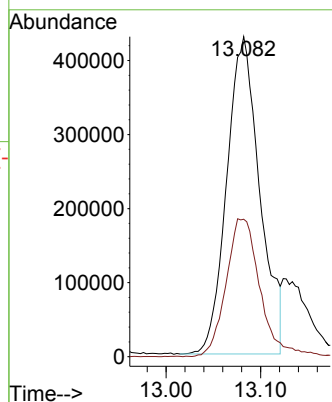
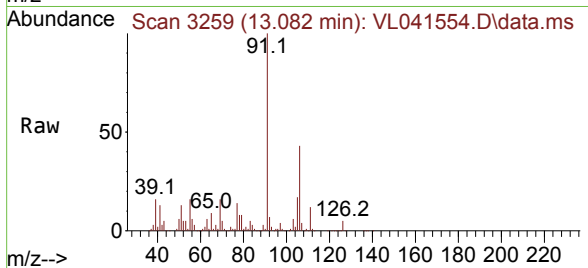




#60
o-Xylene
Concen: 4.311 ppbv
RT: 13.082 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

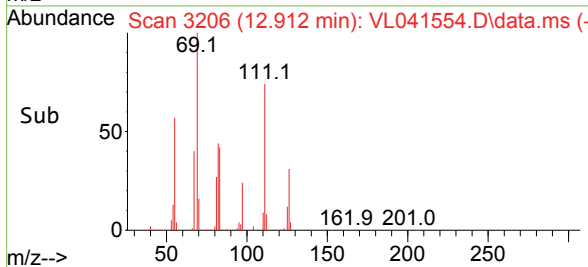
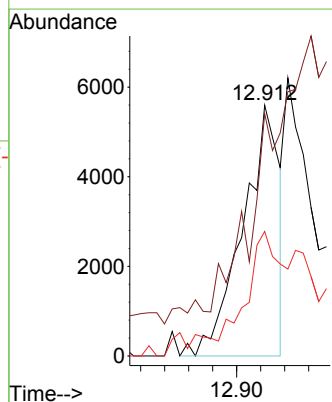
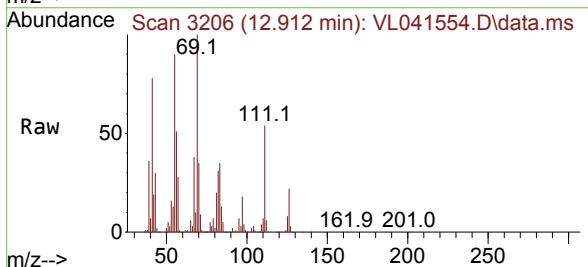
Instrument :
MSVOA_L
ClientSampleId :
SV3

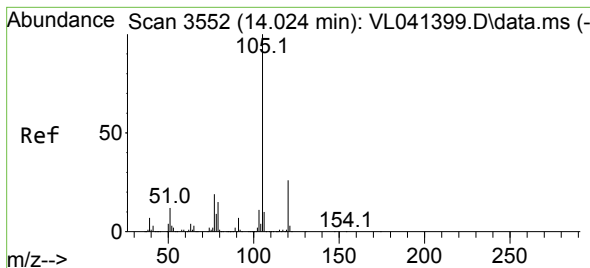
Tgt Ion: 91 Resp: 1041141
Ion Ratio Lower Upper
91 100
106 45.1 23.1 69.3



#61
Styrene
Concen: 0.054 ppbv
RT: 12.912 min Scan# 3206
Delta R.T. -0.006 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 104 Resp: 5909
Ion Ratio Lower Upper
104 100
78 0.0 40.8 61.2#
103 112.8 38.2 57.4#





#62

Isopropylbenzene

Concen: 1.177 ppbv

RT: 14.050 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

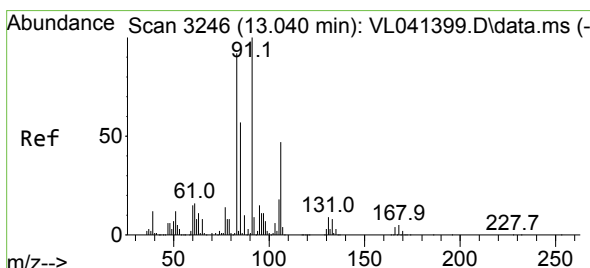
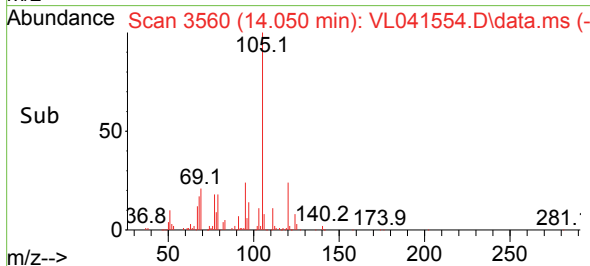
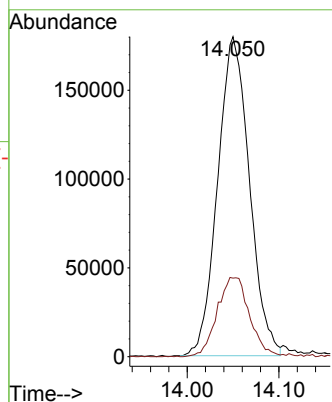
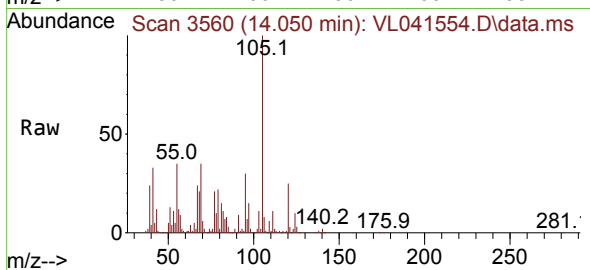
SV3

Tgt Ion:105 Resp: 432177

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4



#63

1,1,2,2-Tetrachloroethane

Concen: 0.583 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.016 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

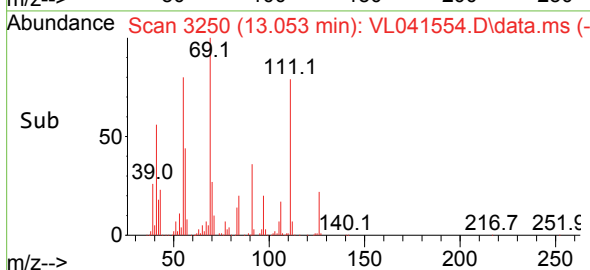
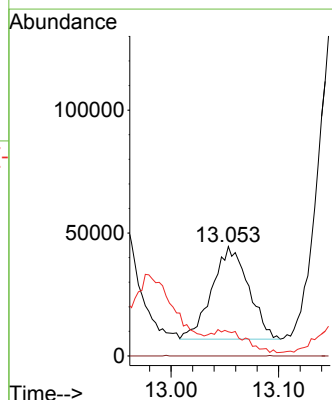
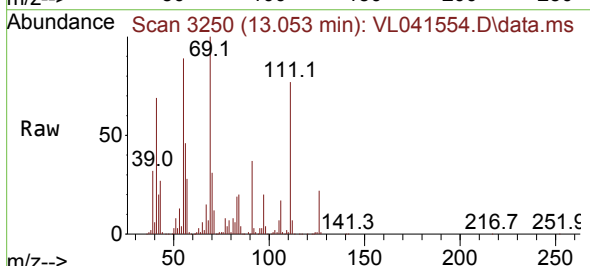
Tgt Ion: 83 Resp: 88947

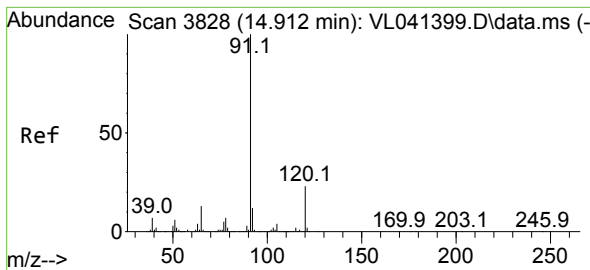
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 27.6 32.6 98.0#

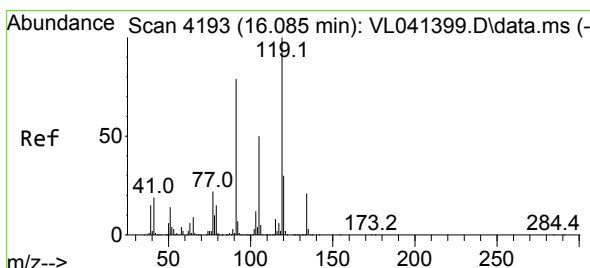
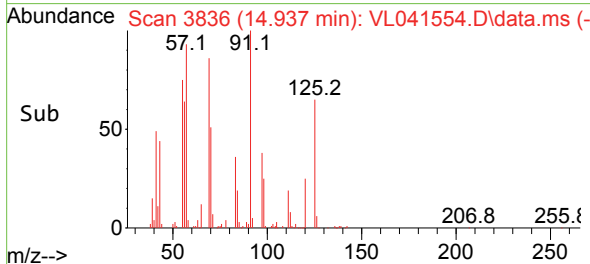
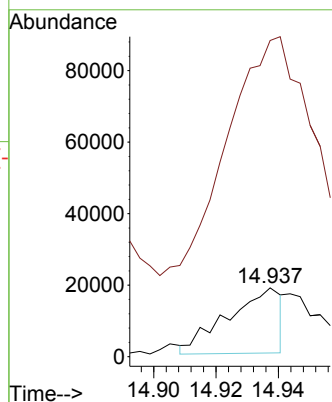
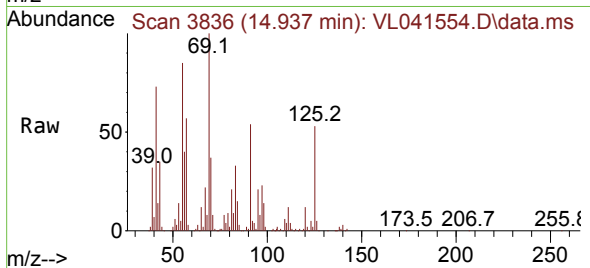




#64
n-propylbenzene
Concen: 0.226 ppbv
RT: 14.937 min Scan# 3836
Delta R.T. 0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

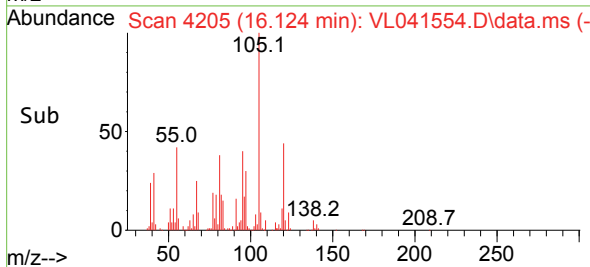
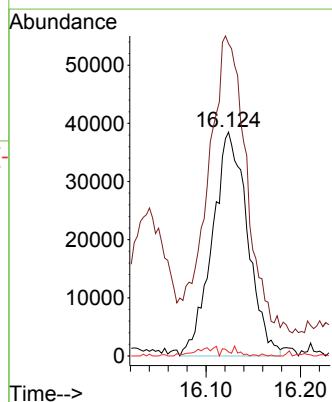
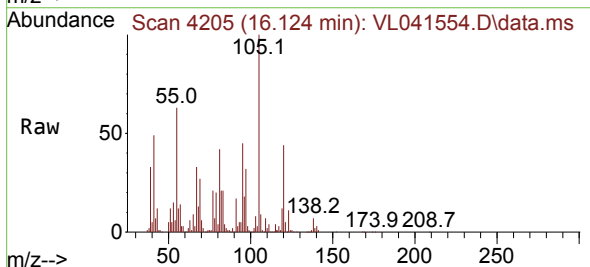
Instrument :
MSVOA_L
ClientSampleId :
SV3

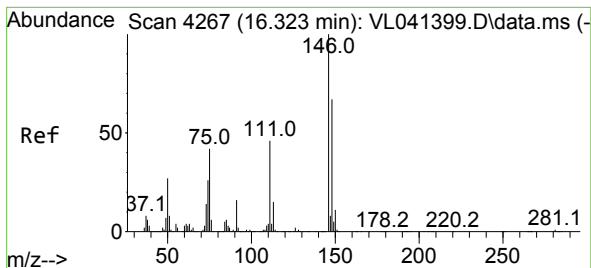
Tgt Ion:120 Resp: 21736
Ion Ratio Lower Upper
120 100
91 0.0 361.4 542.0#



#65
tert-Butylbenzene
Concen: 0.301 ppbv
RT: 16.124 min Scan# 4205
Delta R.T. 0.013 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion:119 Resp: 99718
Ion Ratio Lower Upper
119 100
91 150.0 64.2 96.2#
134 3.8 15.7 23.5#





#66

Benzyl Chloride

Concen: 3.055 ppbv

RT: 16.368 min Scan# 41

Delta R.T. 0.022 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

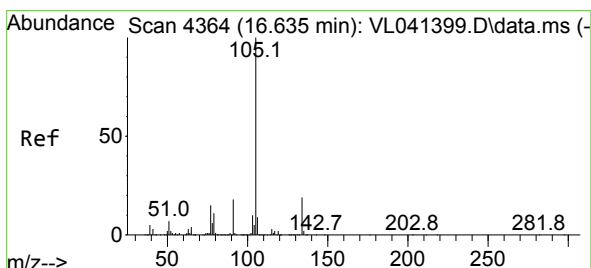
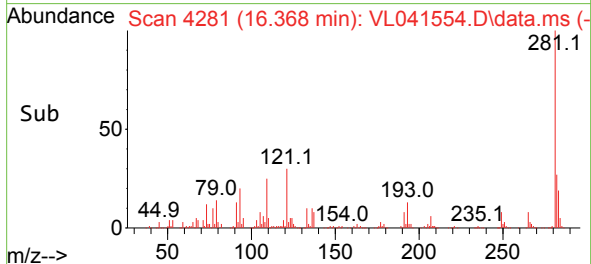
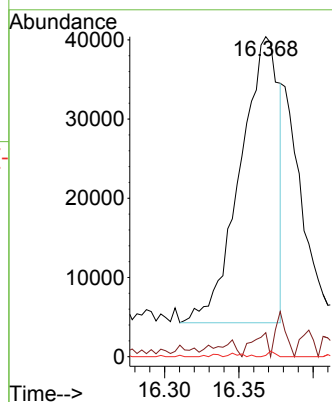
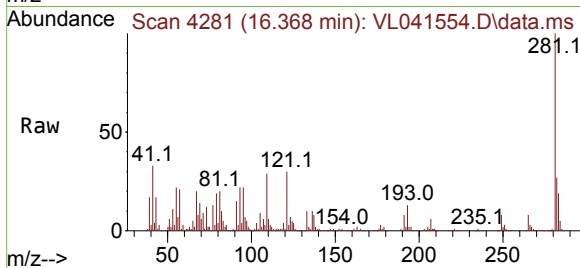
Tgt Ion: 91 Resp: 64976

Ion Ratio Lower Upper

91 100

126 16.2 13.8 20.8

128 0.4 4.4 6.6#



#67

sec-Butylbenzene

Concen: 0.143 ppbv

RT: 16.371 min Scan# 4282

Delta R.T. -0.286 min

Lab File: VL041554.D

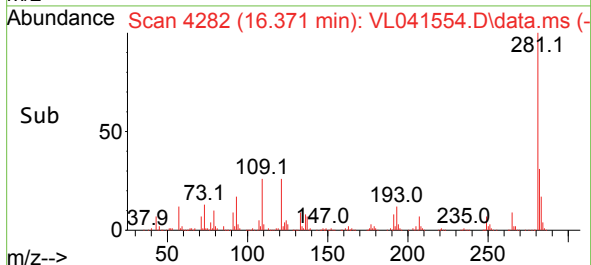
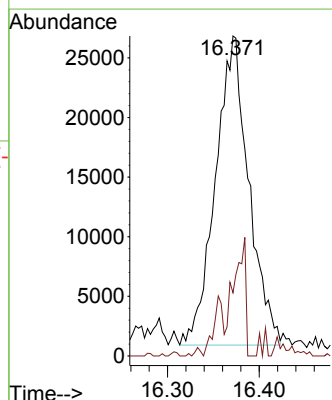
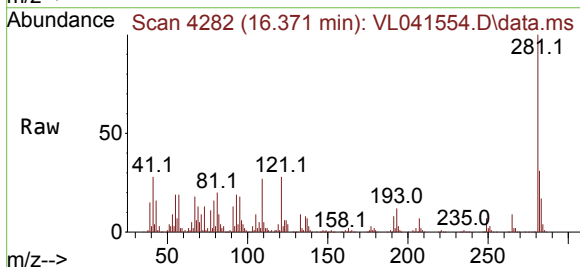
Acq: 19 Aug 2024 19:24

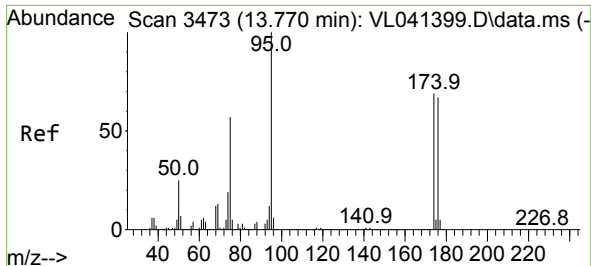
Tgt Ion: 105 Resp: 65458

Ion Ratio Lower Upper

105 100

134 19.5 14.5 21.7

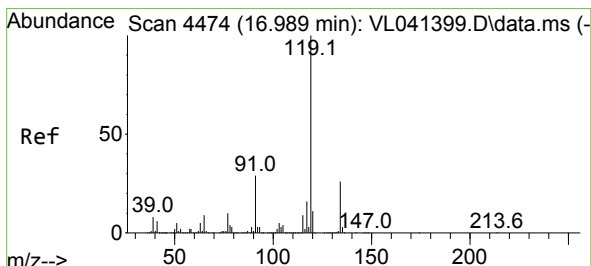
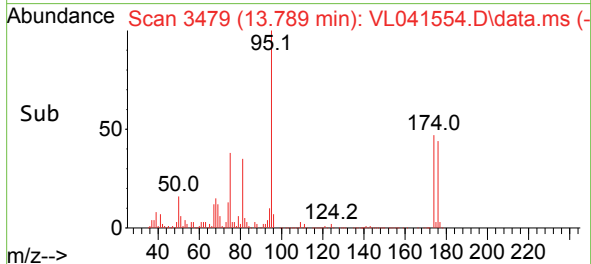
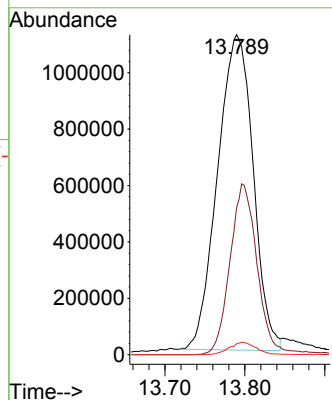
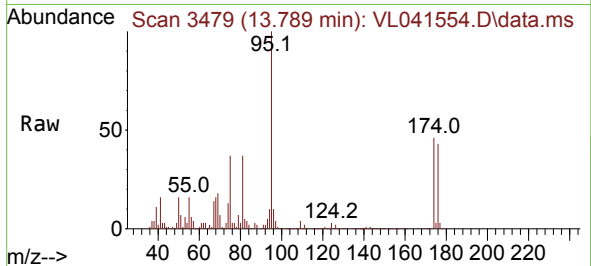




#68
1-Bromo-4-Fluorobenzene
Concen: 17.522 ppbv
RT: 13.789 min Scan# 3473
Delta R.T. -0.010 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

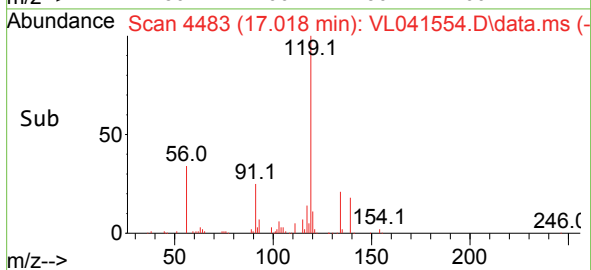
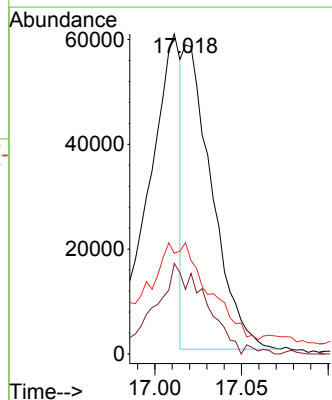
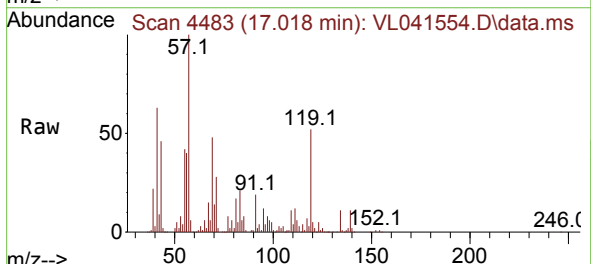
Instrument :
MSVOA_L
ClientSampleId :
SV3

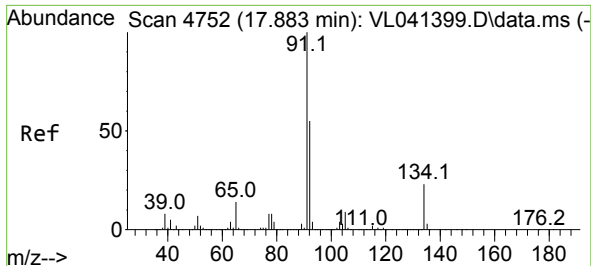
Tgt Ion: 95 Resp: 3459501
Ion Ratio Lower Upper
95 100
174 42.4 56.3 84.5#
175 3.0 4.0 6.0#



#69
p-Isopropyltoluene
Concen: 0.176 ppbv
RT: 17.018 min Scan# 4483
Delta R.T. -0.000 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 119 Resp: 66577
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7#
91 84.4 23.2 34.8#

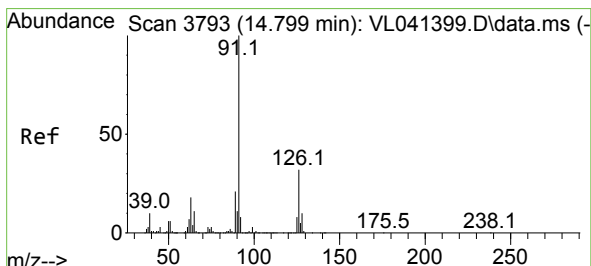
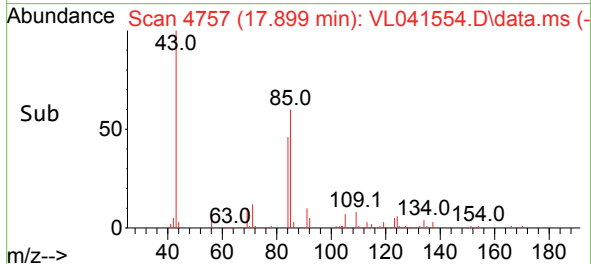
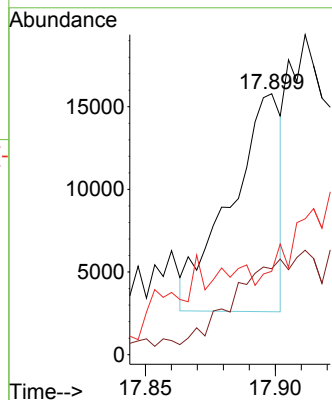
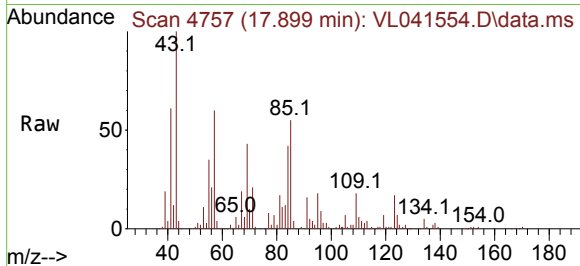




#70
n-Butylbenzene
Concen: 0.046 ppbv
RT: 17.899 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

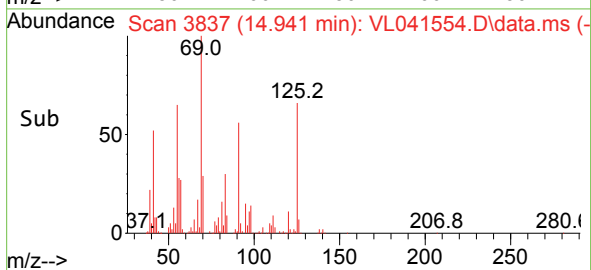
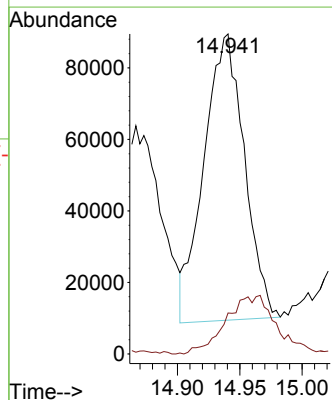
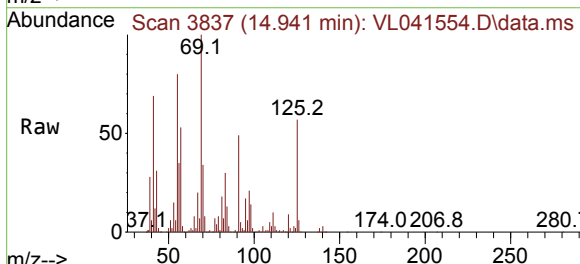
Instrument :
MSVOA_L
ClientSampleId :
SV3

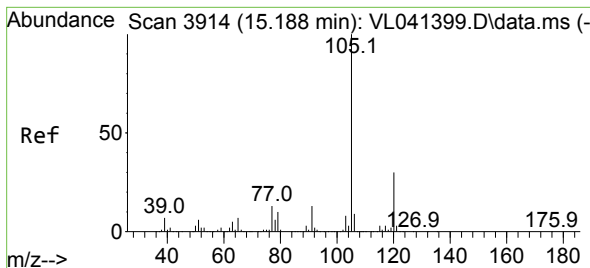
Tgt Ion: 91 Resp: 17794
Ion Ratio Lower Upper
91 100
92 0.0 43.2 64.8#
134 0.0 18.5 27.7#



#71
2-Chlorotoluene
Concen: 0.669 ppbv
RT: 14.941 min Scan# 3837
Delta R.T. 0.119 min
Lab File: VL041554.D
Acq: 19 Aug 2024 19:24

Tgt Ion: 91 Resp: 181002
Ion Ratio Lower Upper
91 100
126 25.6 12.7 50.9





#72

4-Ethyltoluene

Concen: 1.024 ppbv

RT: 15.217 min Scan# 3914

Delta R.T. 0.003 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:105 Resp: 291129

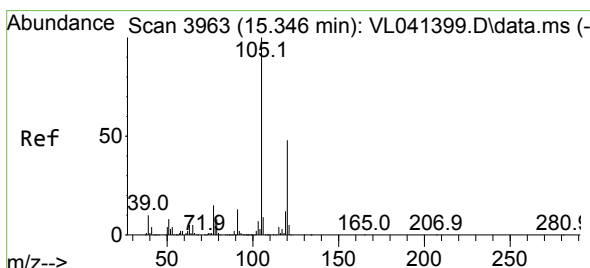
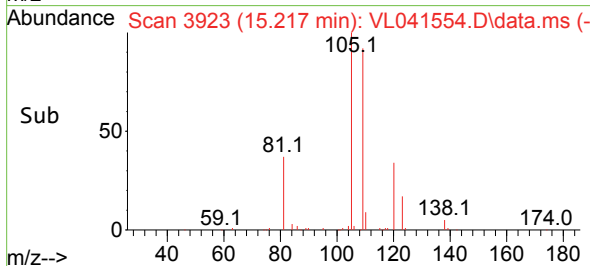
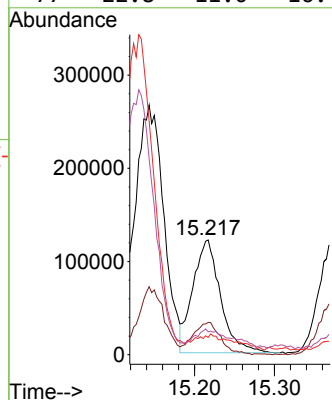
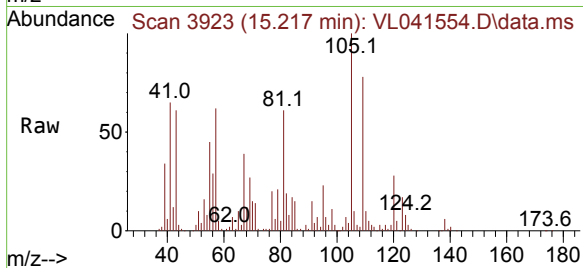
Ion Ratio Lower Upper

105 100

120 27.8 24.2 36.2

91 20.5 10.4 15.6#

77 22.8 11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 1.167 ppbv

RT: 15.368 min Scan# 3970

Delta R.T. -0.003 min

Lab File: VL041554.D

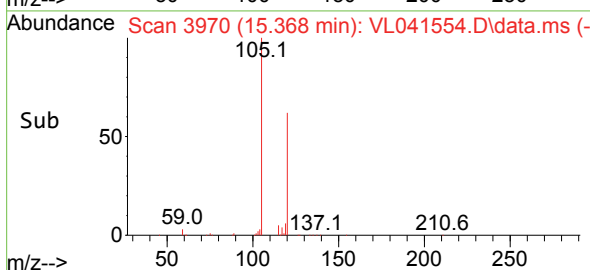
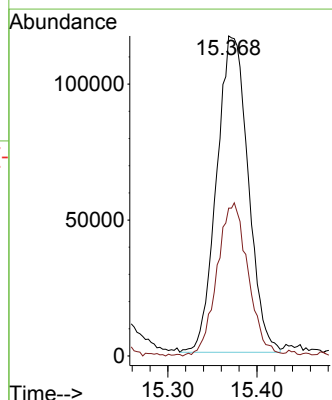
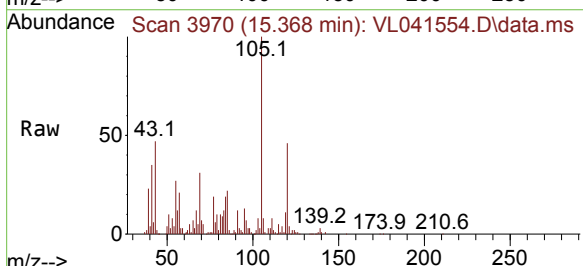
Acq: 19 Aug 2024 19:24

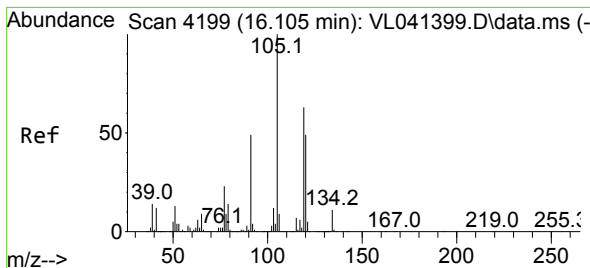
Tgt Ion:105 Resp: 285931

Ion Ratio Lower Upper

105 100

120 46.3 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 2.662 ppbv

RT: 16.127 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041554.D

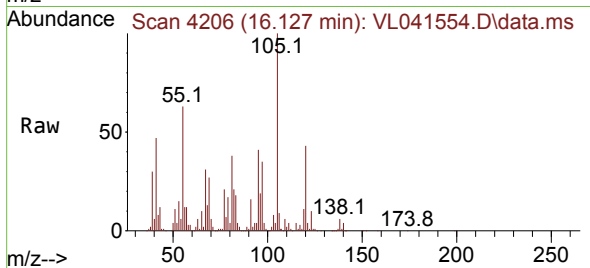
Acq: 19 Aug 2024 19:24

Instrument :

MSVOA_L

ClientSampleId :

SV3



Tgt Ion:105 Resp: 757999

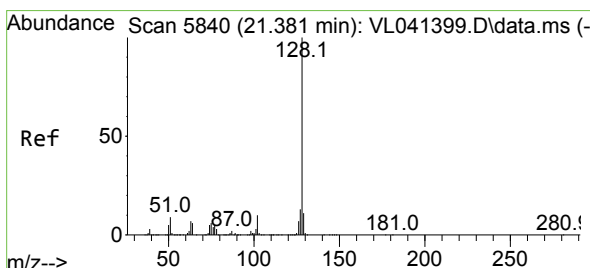
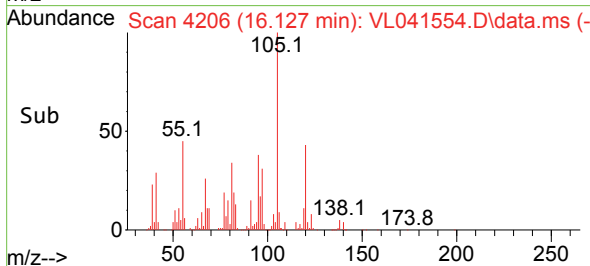
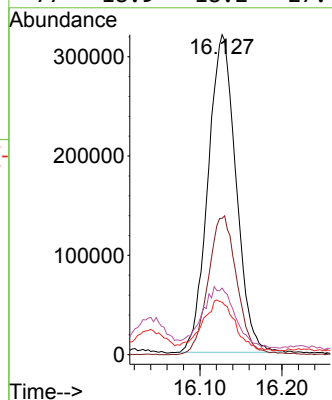
Ion Ratio Lower Upper

105 100

120 42.7 39.5 59.3

91 15.3 39.8 59.8#

77 18.9 18.2 27.4



#79

Naphthalene

Concen: 0.103 ppbv

RT: 21.410 min Scan# 5849

Delta R.T. -0.000 min

Lab File: VL041554.D

Acq: 19 Aug 2024 19:24

Tgt Ion:128 Resp: 25942

Ion Ratio Lower Upper

128 100

127 6.7 10.3 15.5#

129 8.9 9.0 13.4#

