

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041028.D
 Acq On : 25 Jan 2024 14:01
 Operator : SY/MD
 Sample : P1187-15 MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 26 00:27:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1098929	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2698657	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2327918	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1790933	10.186	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	105053	0.433	ppbv	99
3) Chlorodifluoromethane	2.661	51	77523	0.419	ppbv	99
4) Chloromethane	2.803	50	27305	0.394	ppbv #	87
5) Vinyl Chloride	2.909	62	28665	0.422	ppbv	92
6) Bromomethane	3.108	94	12940	0.438	ppbv #	77
7) Chloroethane	3.192	64	10391	0.425	ppbv	97
8) Dichlorotetrafluoroethane	2.845	85	77783	0.429	ppbv	100
9) Propene	2.684	41	23186	0.382	ppbv	89
10) Heptane	7.568	43	50930	0.341	ppbv	94
11) Trichlorofluoromethane	3.549	101	80461	0.411	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	30709	0.217	ppbv #	23
13) Ethanol	3.243	45	2040	0.141	ppbv #	35
14) Bromoethene	3.362	108	6914	0.127	ppbv #	1
15) Acetone	3.472	43	70088	0.499	ppbv	98
16) 1,3-Butadiene	2.973	39	22567	0.336	ppbv	84
17) tert-Butyl alcohol	3.886	59	37110	0.322	ppbv #	84
18) 1,1-Dichloroethene	3.864	96	11738	0.193	ppbv #	91
19) Isopropyl Alcohol	3.587	45	19283	0.237	ppbv #	76
20) Methylene Chloride	3.922	84	14435	0.267	ppbv #	83
21) Allyl Chloride	3.983	41	33392	0.391	ppbv	97
22) trans-1,2-Dichloroethene	4.433	96	15958	0.255	ppbv #	78
23) Vinyl Acetate	4.616	43	16707	0.115	ppbv #	79
24) 1,1-Dichloroethane	4.555	63	23572	0.183	ppbv	96
25) Ethyl Acetate	5.205	43	95678	0.375	ppbv #	96
26) Hexane	5.198	57	39060	0.360	ppbv #	85
27) Carbon Disulfide	4.108	76	21457	0.152	ppbv #	1
28) Methyl tert-Butyl Ether	4.591	73	31542	0.350	ppbv	94
29) Chloroform	5.259	83	78465	0.407	ppbv	99
30) Cyclohexane	6.587	84	9388	0.103	ppbv #	1
31) cis-1,2-Dichloroethene	5.070	61	21765	0.214	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	34618	0.188	ppbv #	22
34) 2-Butanone	4.790	43	52694	0.410	ppbv	100
35) Carbon Tetrachloride	6.478	117	39346	0.219	ppbv	97
36) Benzene	6.353	78	44268	0.199	ppbv	92
37) 1,2-Dichloroethane	5.793	62	54257	0.399	ppbv	100
38) Trichloroethene	7.282	130	28873	0.323	ppbv #	89
39) 1,2-Dichloropropane	7.063	63	37739	0.430	ppbv	93
41) Tetrahydrofuran	5.568	42	16660	0.191	ppbv #	38
42) Bromodichloromethane	7.234	83	79224	0.407	ppbv	87
43) Methyl Methacrylate	7.478	69	26685	0.310	ppbv	84
44) 2,2,4-Trimethylpentane	7.314	57	140331	0.374	ppbv	91
45) t-1,3-Dichloropropene	8.709	75	4248	0.072	ppbv	96
46) cis-1,3-Dichloropropene	8.131	75	5945	0.081	ppbv #	53

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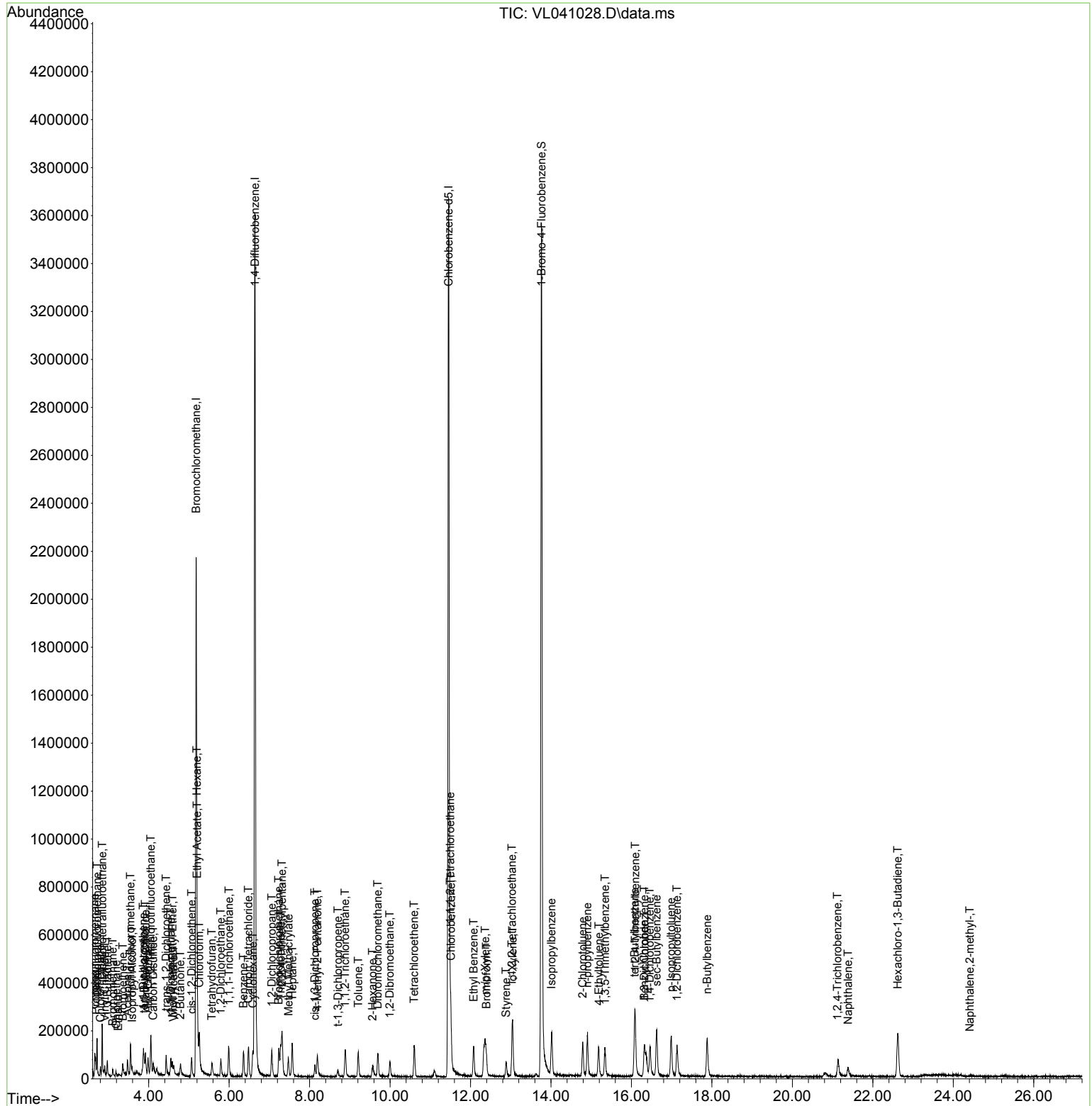
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 26 00:23:09 2024
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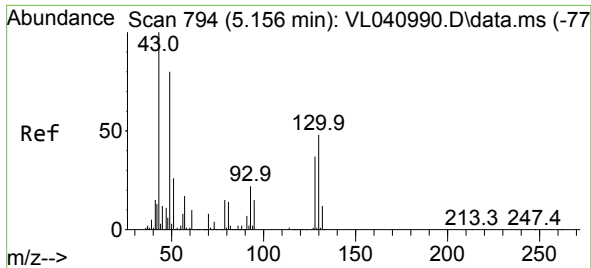
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.883	97	35500	0.375	ppbv #	89
48) Dibromochloromethane	9.696	129	36436	0.228	ppbv #	46
49) Bromoform	12.394	173	41884	0.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.195	43	74953	0.331	ppbv	94
51) 2-Hexanone	9.565	43	37319	0.229	ppbv #	84
52) Tetrachloroethene	10.597	164	15111	0.204	ppbv	91
53) Toluene	9.211	91	78200	0.320	ppbv	98
54) 1,2-Dibromoethane	9.992	107	34235	0.267	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.494	131	48098	0.431	ppbv #	1
57) Chlorobenzene	11.513	112	81536	0.435	ppbv	94
58) Ethyl Benzene	12.076	91	105172	0.336	ppbv	97
59) m/p-Xylene	12.362	91	74371	0.273	ppbv #	32
60) o-Xylene	13.050	91	90928	0.348	ppbv	99
61) Styrene	12.883	104	15016	0.125	ppbv #	22
62) Isopropylbenzene	14.015	105	146245	0.378	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.031	83	47747	0.235	ppbv #	34
64) n-propylbenzene	14.908	120	32245	0.330	ppbv	70
65) tert-Butylbenzene	16.076	119	53772	0.159	ppbv #	17
66) Benzyl Chloride	16.317	91	2964	0.134	ppbv #	6
67) sec-Butylbenzene	16.625	105	176143	0.358	ppbv	100
69) p-Isopropyltoluene	16.986	119	67249	0.176	ppbv #	52
70) n-Butylbenzene	17.883	91	128645	0.312	ppbv	99
71) 2-Chlorotoluene	14.786	91	63360	0.212	ppbv #	44
72) 4-Ethyltoluene	15.191	105	33567	0.115	ppbv #	18
73) 1,3,5-Trimethylbenzene	15.346	105	60668	0.234	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.095	105	57147	0.194	ppbv	89
75) 1,3-Dichlorobenzene	16.320	146	42462	0.254	ppbv #	55
76) 1,4-Dichlorobenzene	16.458	146	27633	0.167	ppbv #	22
77) 1,2-Dichlorobenzene	17.133	146	39549	0.238	ppbv #	38
78) Hexachloro-1,3-Butadiene	22.619	225	18254	0.170	ppbv #	1
79) Naphthalene	21.381	128	18149	0.108	ppbv	97
80) Naphthalene,2-methyl-	24.410	142	2033	0.069	ppbv #	74
81) 1,2,4-Trichlorobenzene	21.124	180	3790	0.039	ppbv #	11

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

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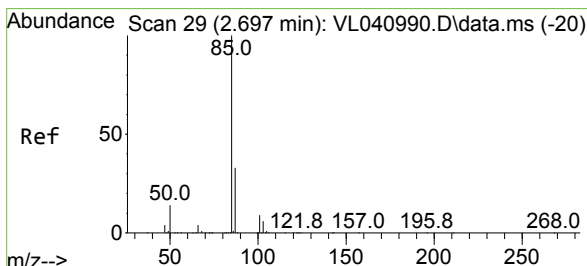
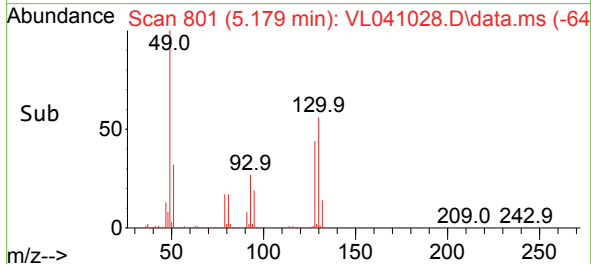
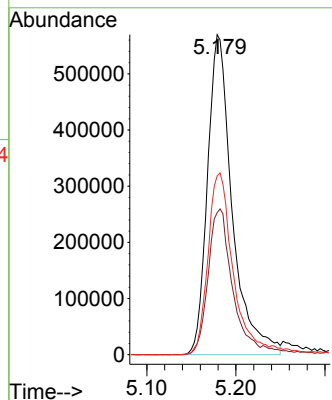
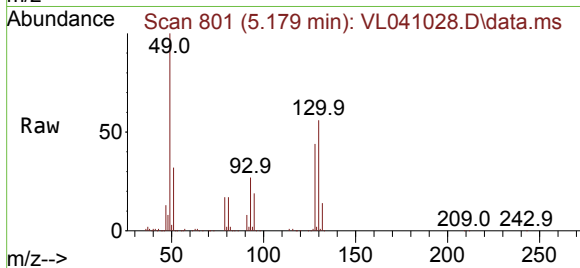




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

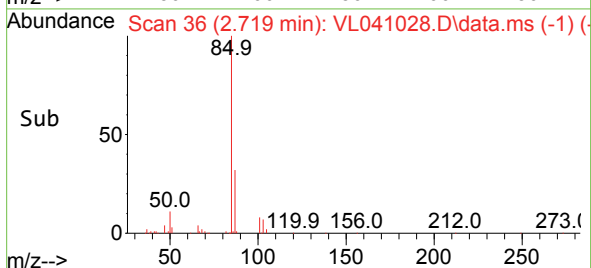
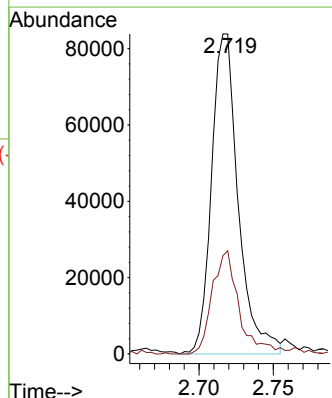
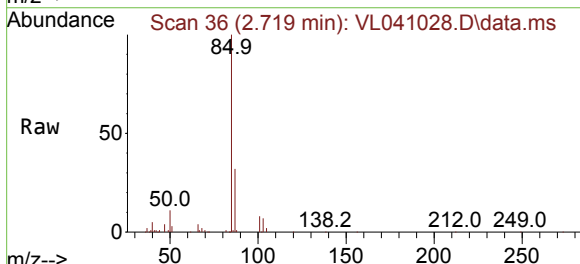
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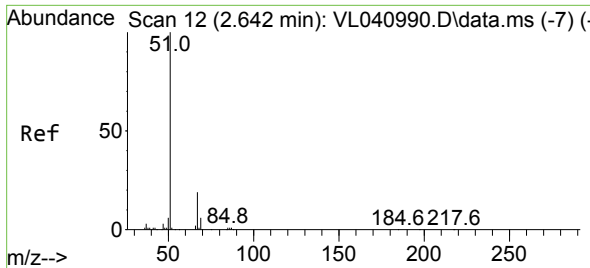
Tgt Ion: 49 Resp: 1098929
 Ion Ratio Lower Upper
 49 100
 128 46.8 23.9 71.7
 130 60.3 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.433 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 85 Resp: 105053
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.3 39.5

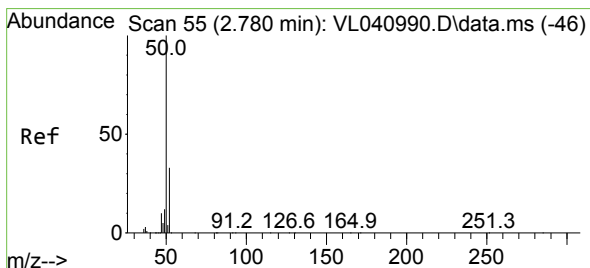
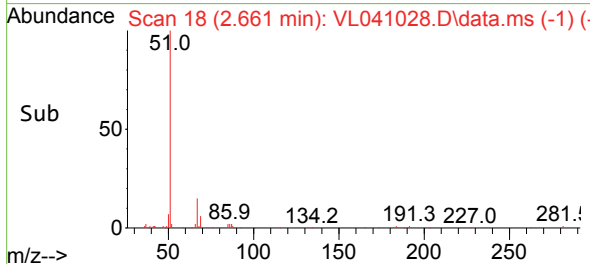
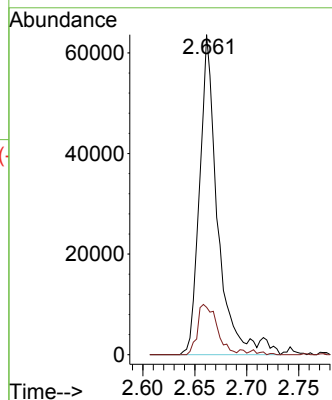
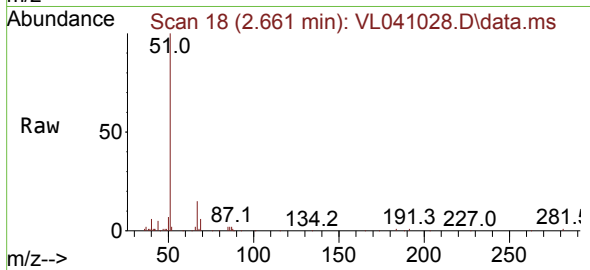




#3
Chlorodifluoromethane
Concen: 0.419 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

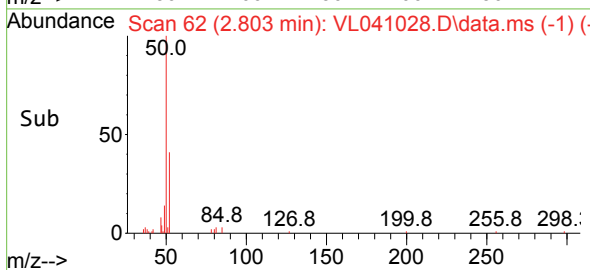
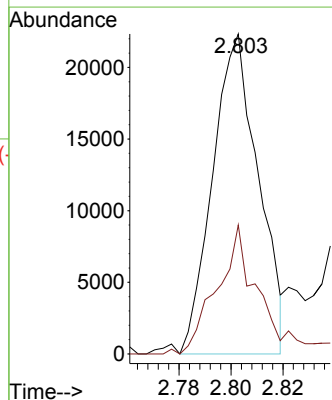
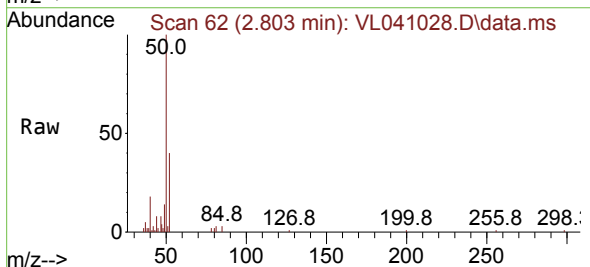
Instrument :
MSVOA_L
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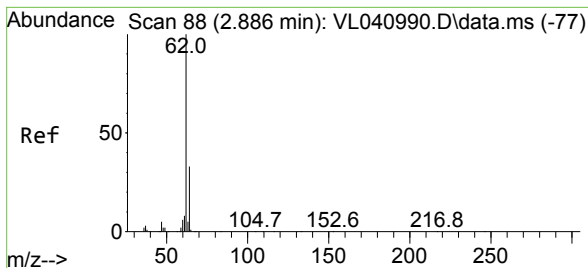
Tgt Ion: 51 Resp: 77523
Ion Ratio Lower Upper
51 100
67 18.1 14.8 22.2



#4
Chloromethane
Concen: 0.394 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 50 Resp: 27305
Ion Ratio Lower Upper
50 100
52 40.3 26.2 39.4#

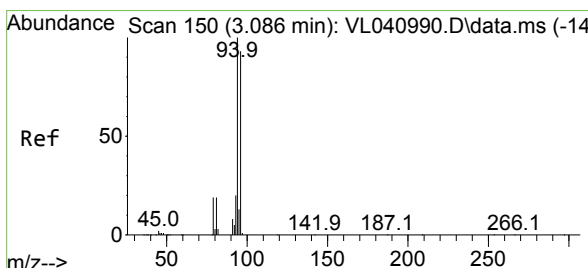
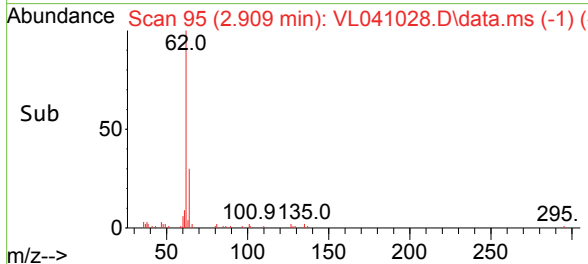
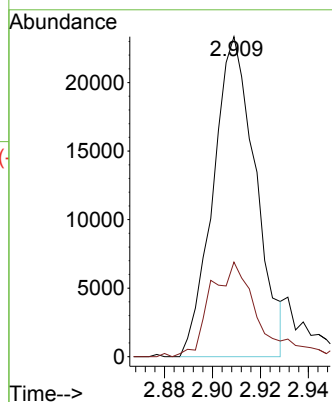
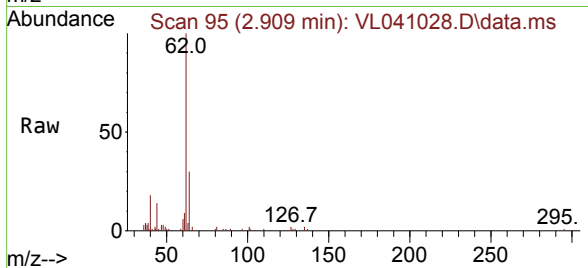




#5
 Vinyl Chloride
 Concen: 0.422 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

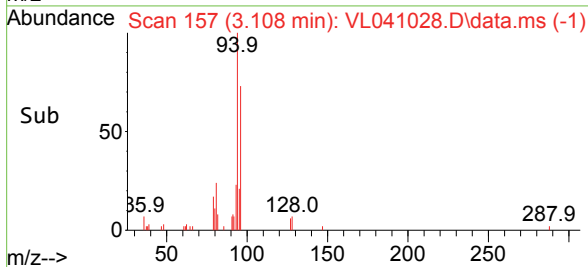
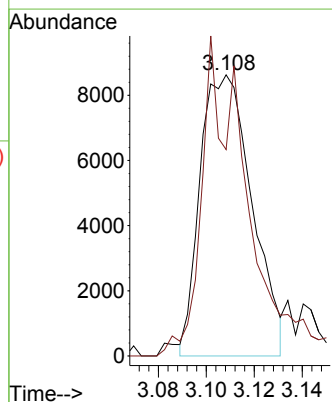
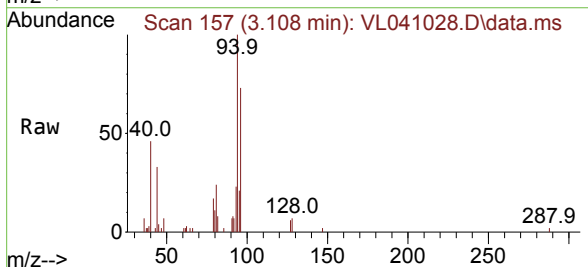
Instrument :
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 ClientSampleId :

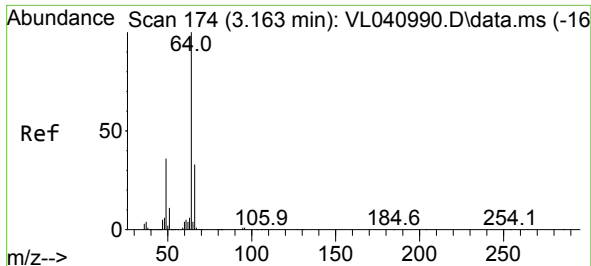
Tgt Ion: 62 Resp: 28665
 Ion Ratio Lower Upper
 62 100
 64 28.6 26.6 40.0



#6
 Bromomethane
 Concen: 0.438 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 94 Resp: 12940
 Ion Ratio Lower Upper
 94 100
 96 71.0 74.2 111.4#

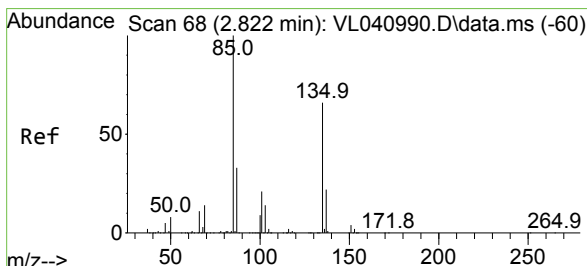
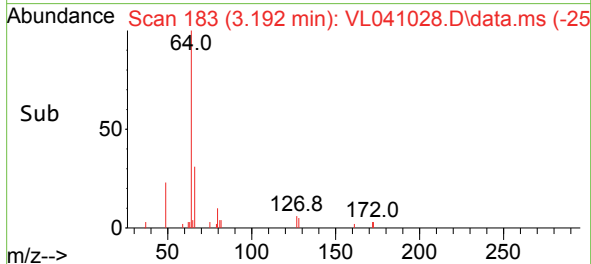
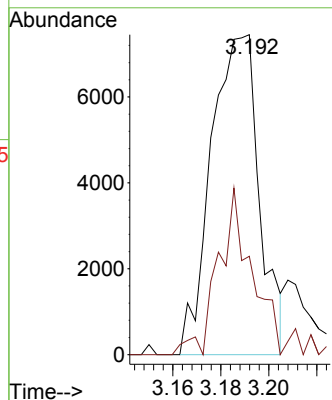
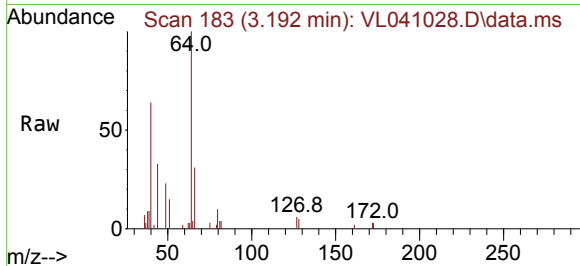




#7
Chloroethane
Concen: 0.425 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

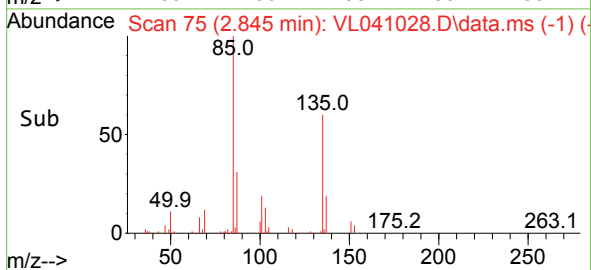
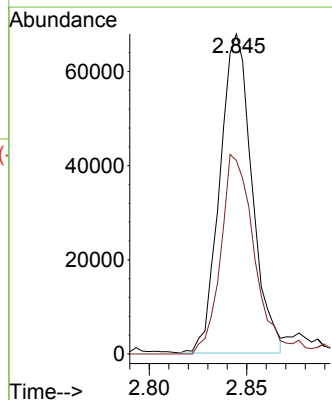
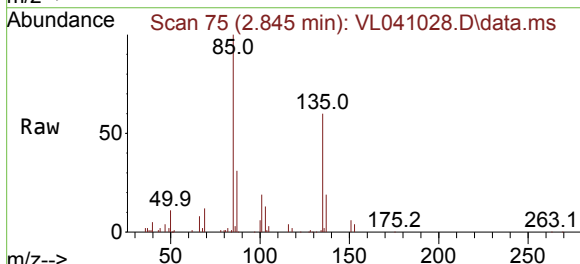
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ClientSampleId :

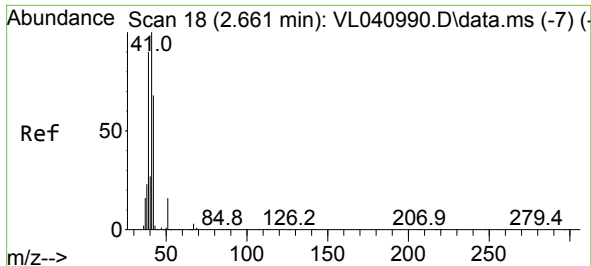
Tgt Ion: 64 Resp: 10391
Ion Ratio Lower Upper
64 100
66 30.7 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 0.429 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 85 Resp: 77783
Ion Ratio Lower Upper
85 100
135 68.8 55.0 82.6

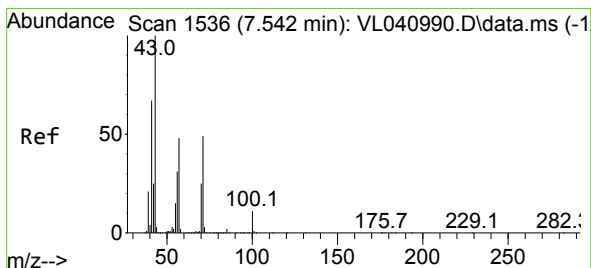
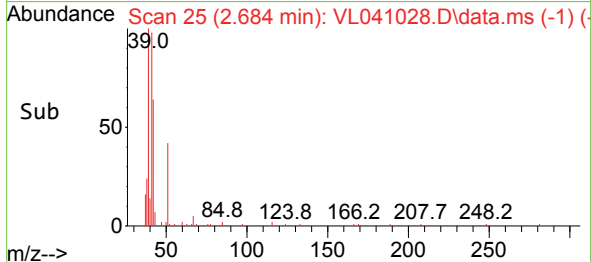
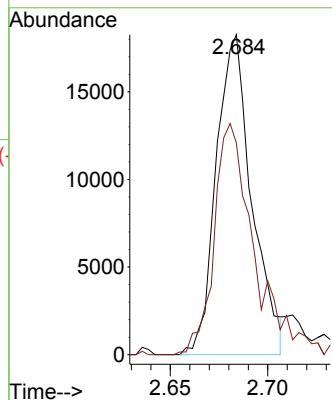
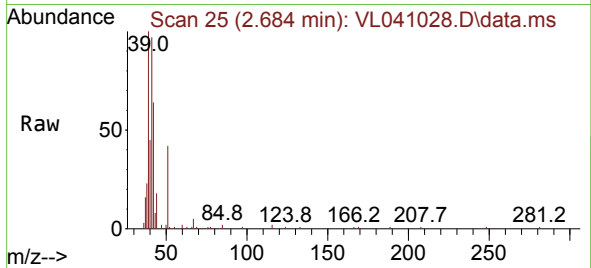




#9
 Propene
 Concen: 0.382 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

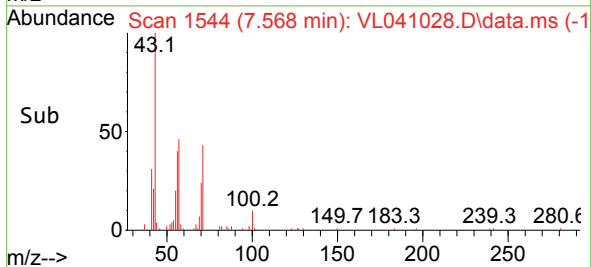
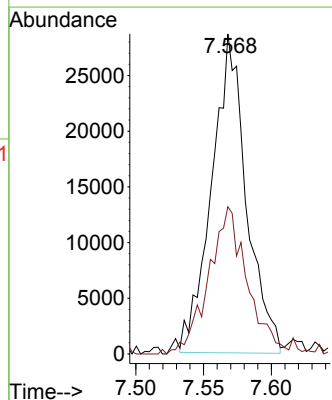
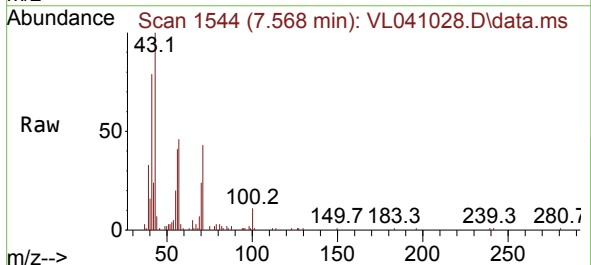
Instrument :
 MSVOA_L
 ClientSampleId :

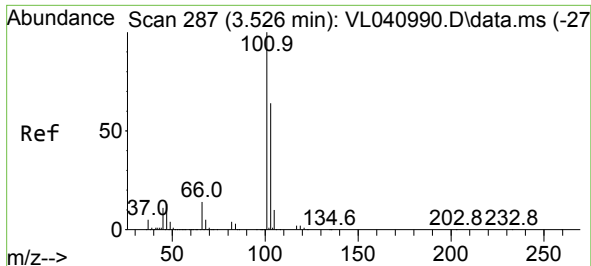
Tgt Ion: 41 Resp: 23186
 Ion Ratio Lower Upper
 41 100
 42 83.0 59.0 88.4



#10
 Heptane
 Concen: 0.341 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 43 Resp: 50930
 Ion Ratio Lower Upper
 43 100
 57 53.2 39.4 59.2

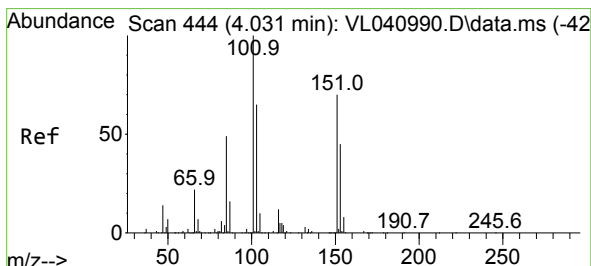
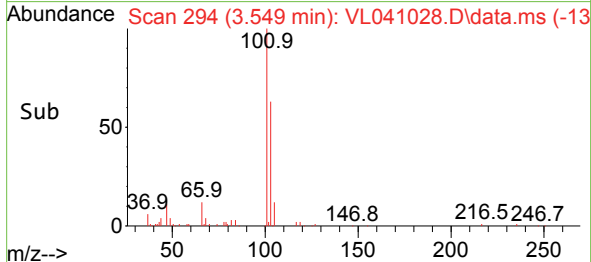
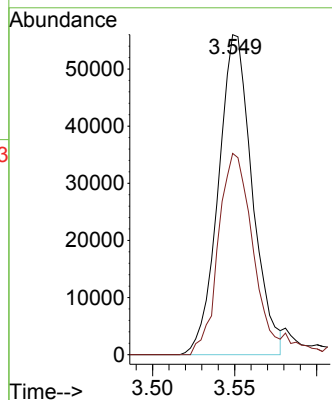
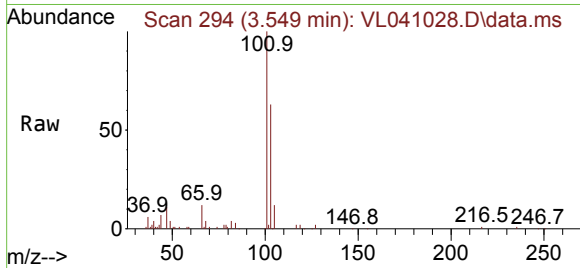




#11
 Trichlorofluoromethane
 Concen: 0.411 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. -0.000 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

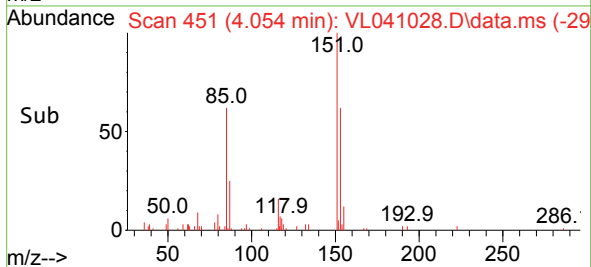
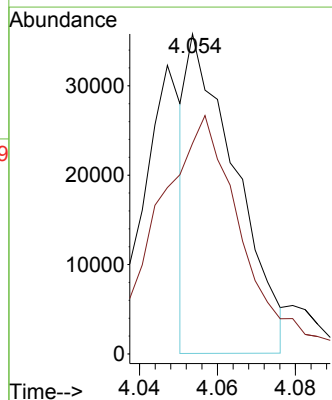
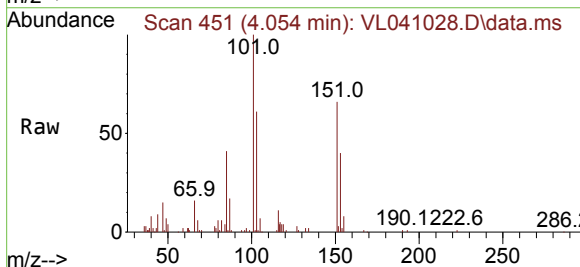
Instrument :
 MSVOA_L
 ClientSampleId :

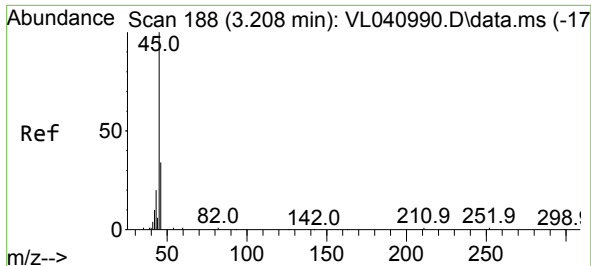
Tgt Ion:101 Resp: 80461
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.217 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. -0.000 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion:101 Resp: 30709
 Ion Ratio Lower Upper
 101 100
 151 134.6 56.6 85.0#

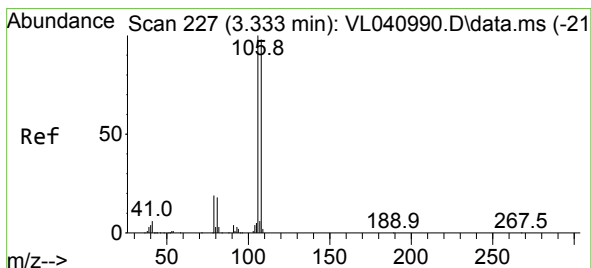
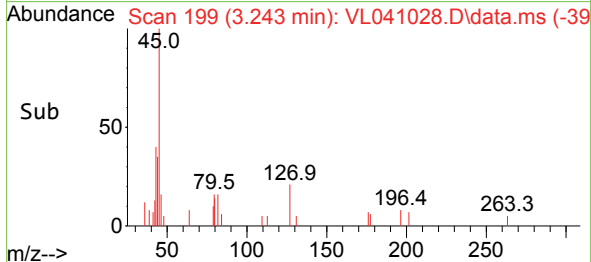
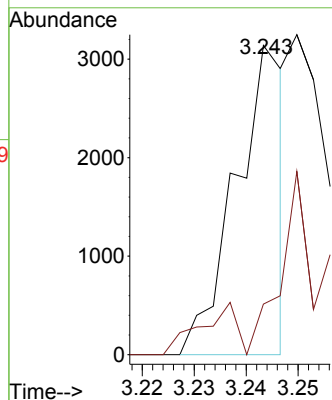
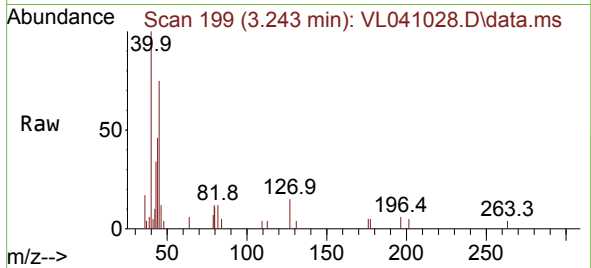




#13
Ethanol
Concen: 0.141 ppbv
RT: 3.243 min Scan# 199
Delta R.T. 0.016 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

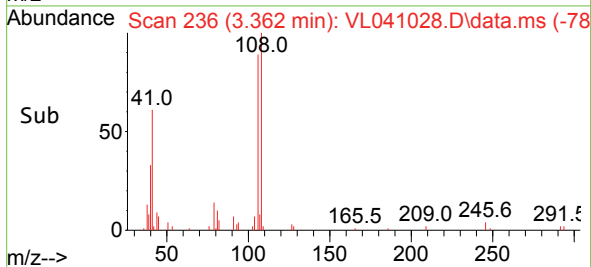
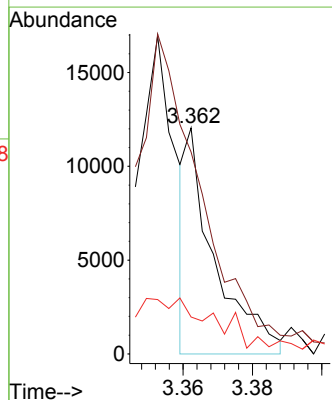
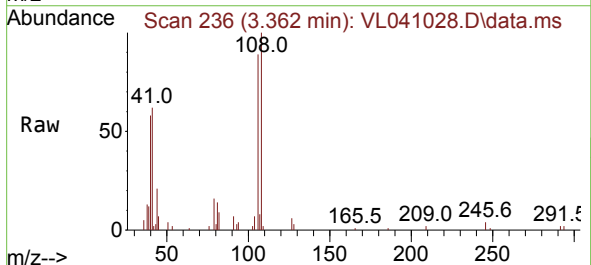
Instrument :
MSVOA_L
ClientSampleId :

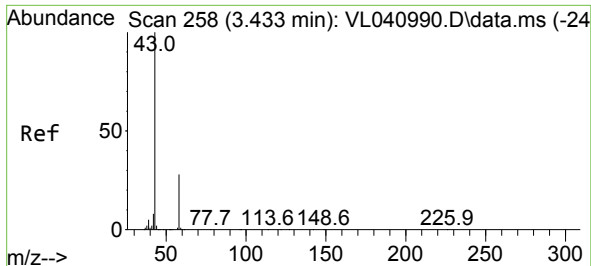
Tgt Ion: 45 Resp: 2040
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8#



#14
Bromoethene
Concen: 0.127 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.010 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 108 Resp: 6914
Ion Ratio Lower Upper
108 100
106 0.0 86.4 129.6#
79 92.1 16.2 24.4#

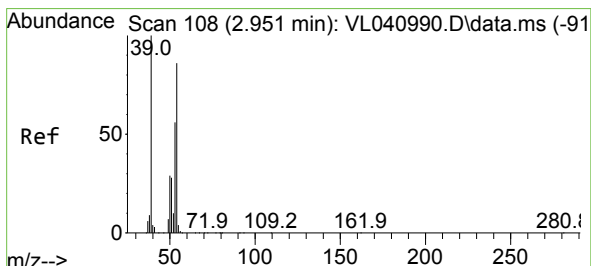
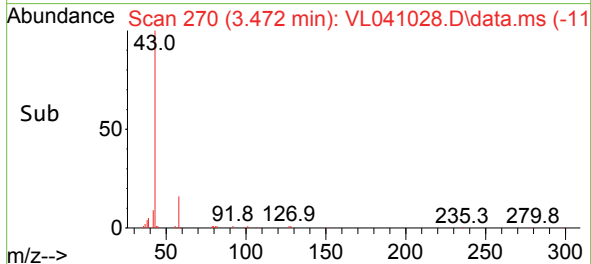
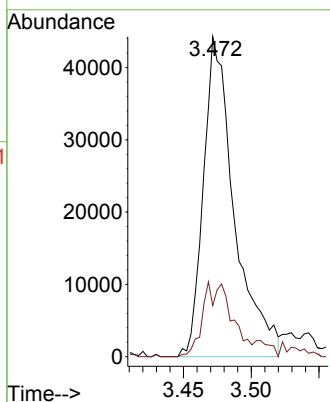
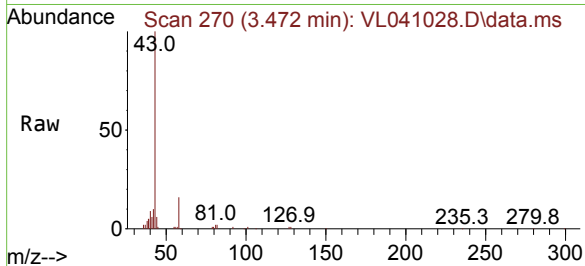




#15
Acetone
Concen: 0.499 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

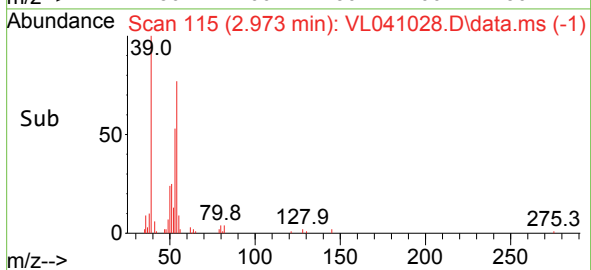
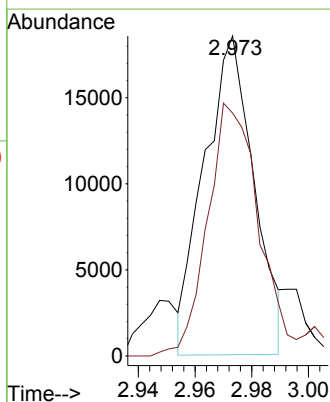
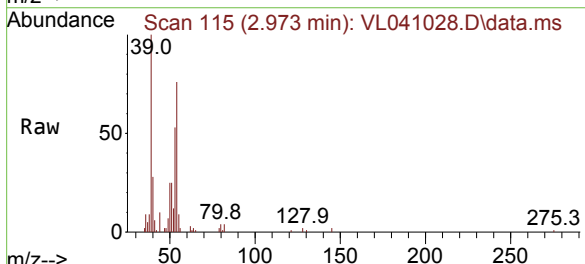
Instrument :
MSVOA_L
ClientSampleId :

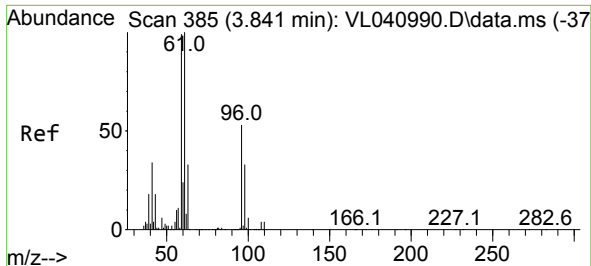
Tgt Ion: 43 Resp: 70088
Ion Ratio Lower Upper
43 100
58 26.9 22.2 33.2



#16
1,3-Butadiene
Concen: 0.336 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 39 Resp: 22567
Ion Ratio Lower Upper
39 100
54 92.1 62.7 94.1





#17

tert-Butyl alcohol

Concen: 0.322 ppbv

RT: 3.886 min Scan# 391

Delta R.T. 0.022 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

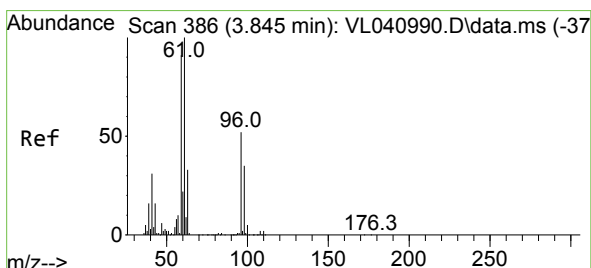
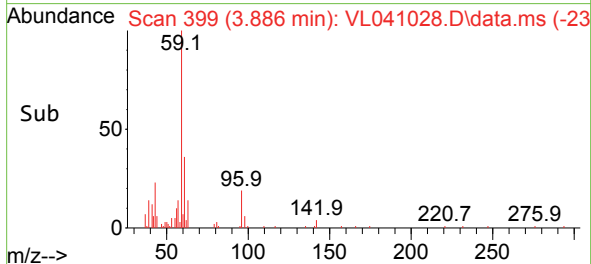
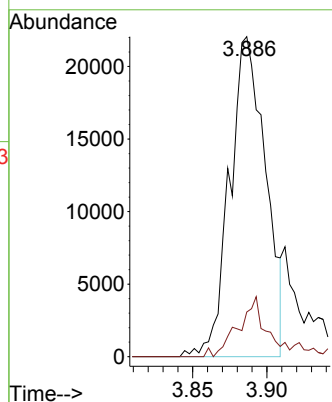
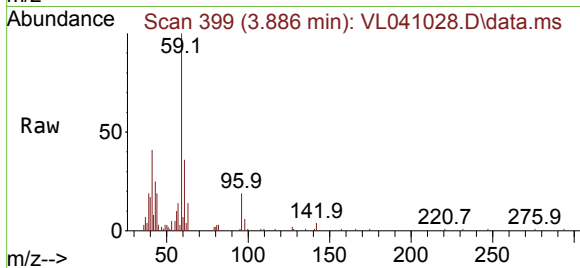
ClientSampleId :

Tgt Ion: 59 Resp: 37110

Ion Ratio Lower Upper

59 100

57 16.8 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.193 ppbv

RT: 3.864 min Scan# 392

Delta R.T. -0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

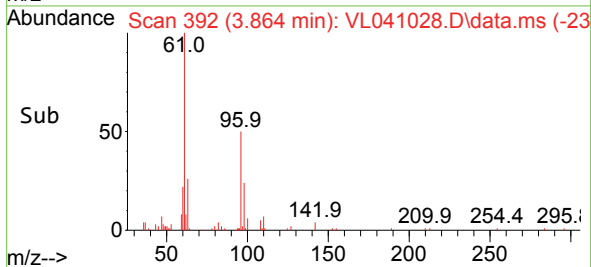
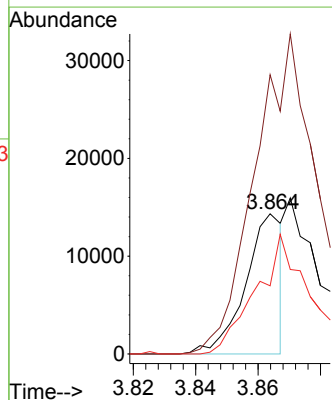
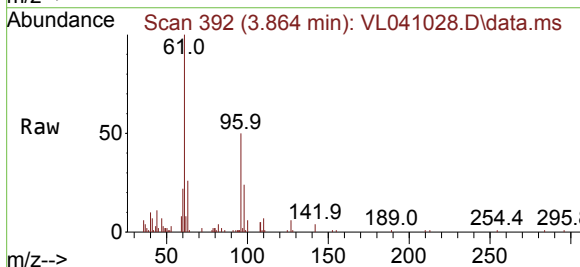
Tgt Ion: 96 Resp: 11738

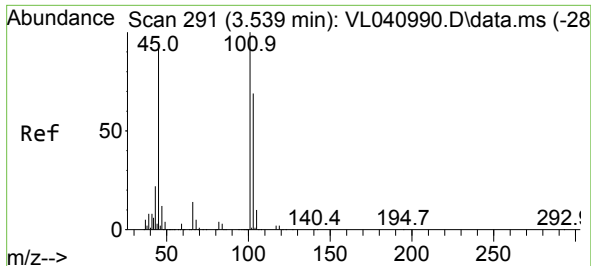
Ion Ratio Lower Upper

96 100

61 199.1 153.8 230.8

98 48.7 53.7 80.5#





#19

Isopropyl Alcohol

Concen: 0.237 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.026 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

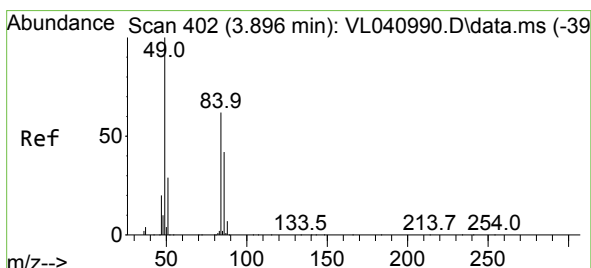
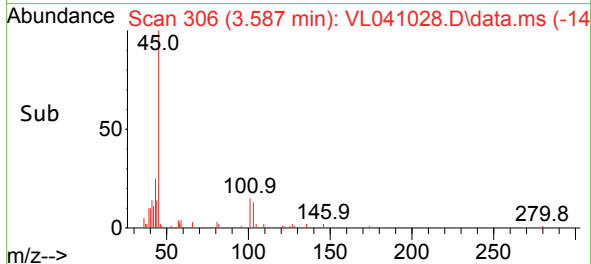
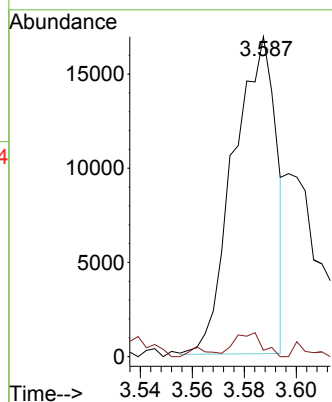
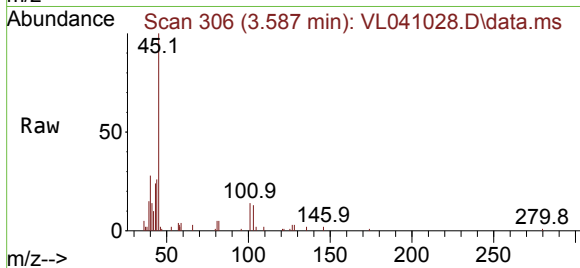
ClientSampleId :

Tgt Ion: 45 Resp: 19283

Ion Ratio Lower Upper

45 100

58 10.7 2.2 3.4#



#20

Methylene Chloride

Concen: 0.267 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Tgt Ion: 84 Resp: 14435

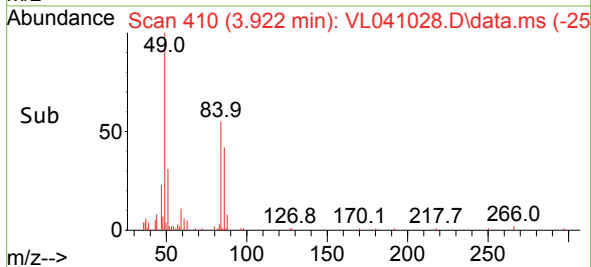
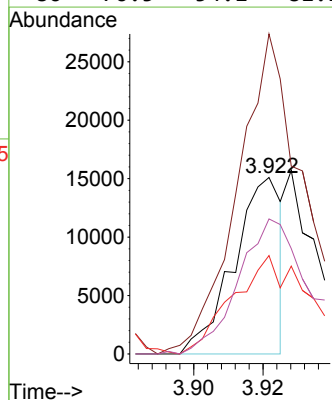
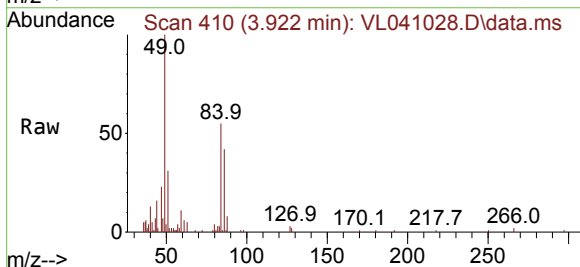
Ion Ratio Lower Upper

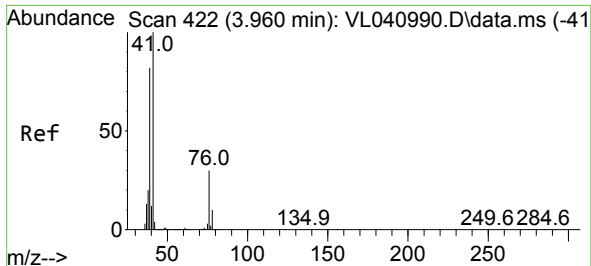
84 100

49 184.2 128.1 192.1

51 59.0 36.5 54.7#

86 76.5 54.1 81.1

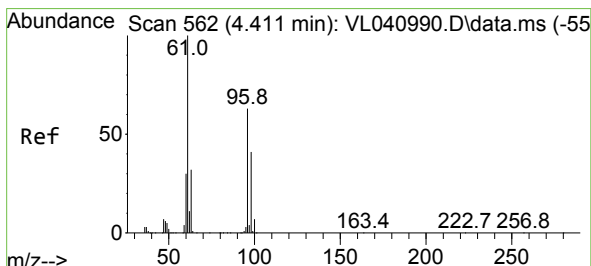
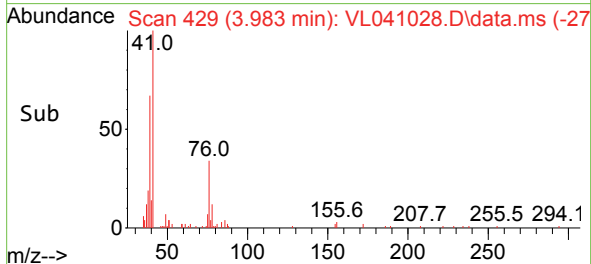
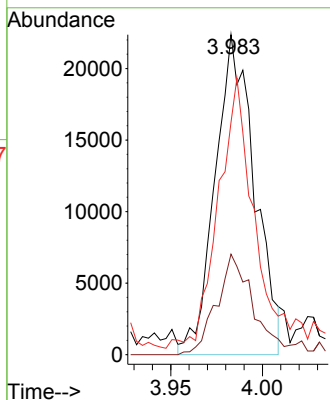
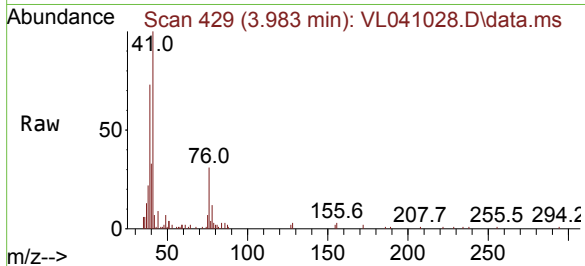




#21
 Allyl Chloride
 Concen: 0.391 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

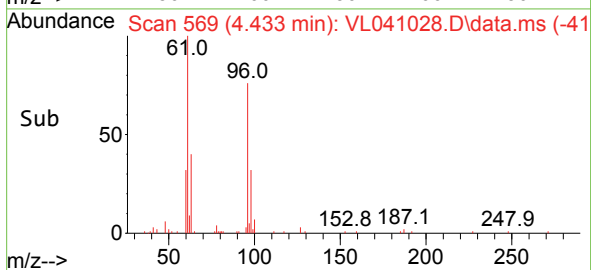
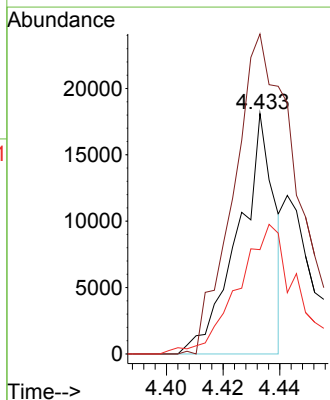
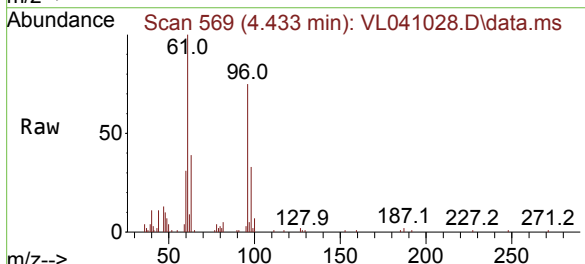
Instrument :
 MSVOA_L
 ClientSampleId :

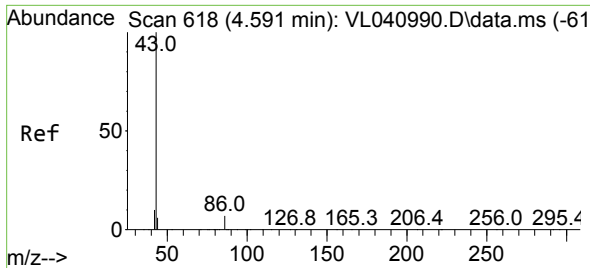
Tgt Ion: 41 Resp: 33392
 Ion Ratio Lower Upper
 41 100
 76 31.7 25.0 37.4
 39 87.6 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.255 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. -0.000 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

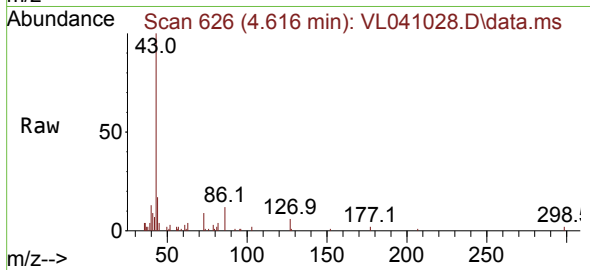
Tgt Ion: 96 Resp: 15958
 Ion Ratio Lower Upper
 96 100
 61 133.0 126.0 189.0
 98 40.8 51.2 76.8#





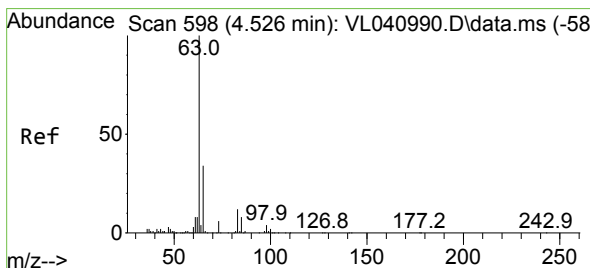
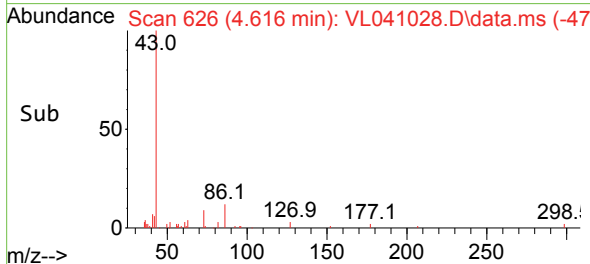
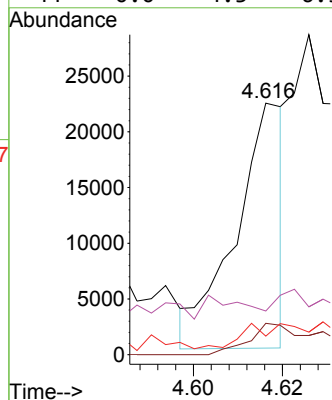
#23
 Vinyl Acetate
 Concen: 0.115 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 16707

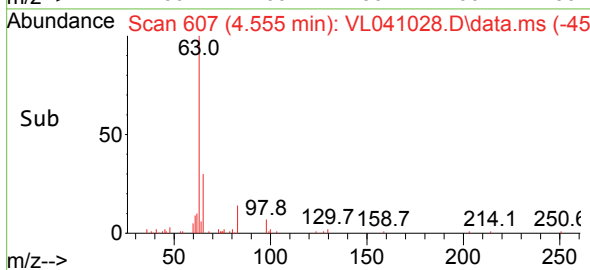
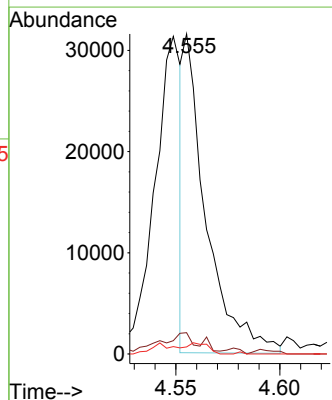
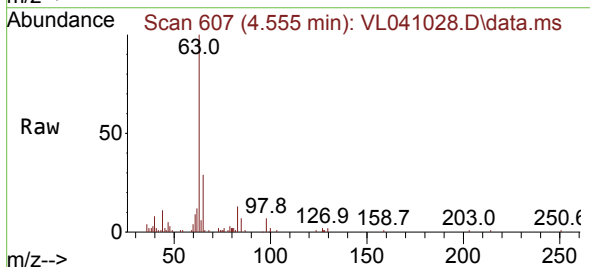
Ion	Ratio	Lower	Upper
43	100		
86	15.3	5.4	8.0#
42	3.1	8.6	13.0#
44	0.0	4.3	6.5#

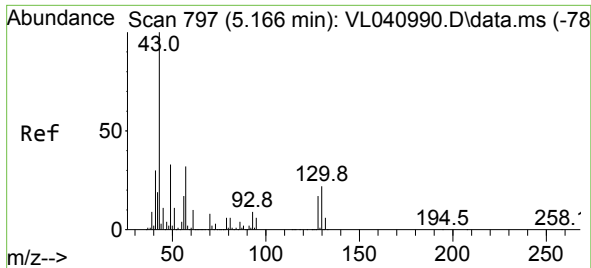


#24
 1,1-Dichloroethane
 Concen: 0.183 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 63 Resp: 23572

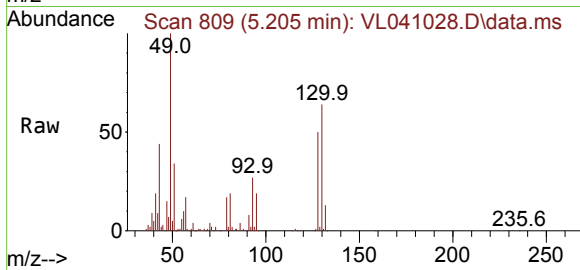
Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.1	6.3
100	2.2	1.3	3.9



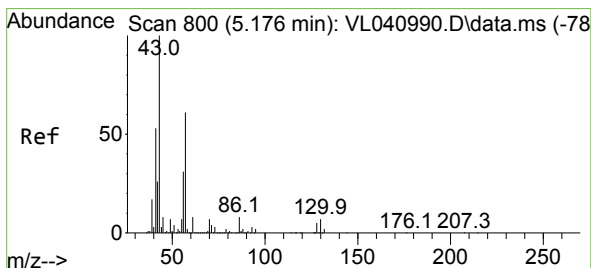
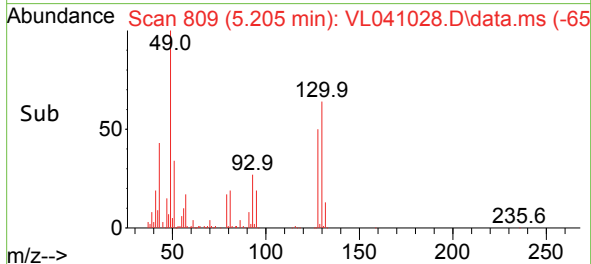
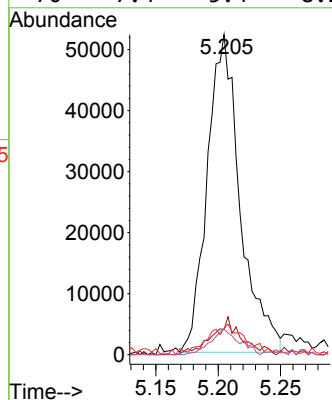


#25
Ethyl Acetate
Concen: 0.375 ppbv
RT: 5.205 min Scan# 801
Delta R.T. 0.013 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Instrument :
MSVOA_L
ClientSampleId :

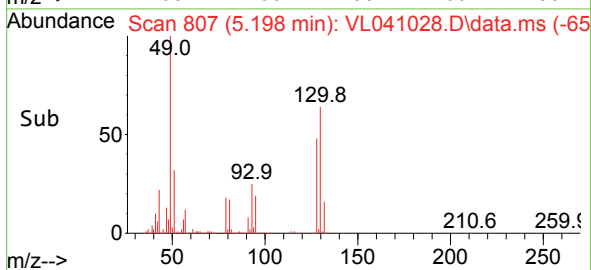
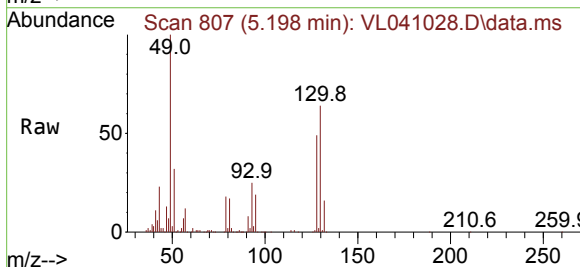
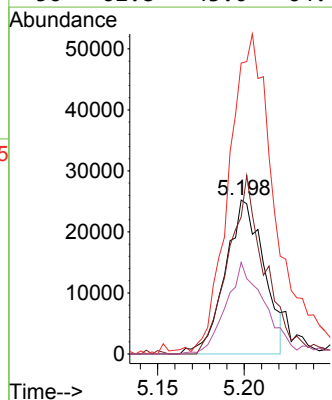


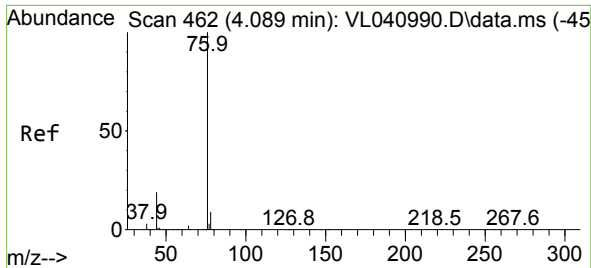
Tgt Ion: 43 Resp: 95678
Ion Ratio Lower Upper
43 100
45 11.5 8.2 12.4
61 12.2 7.9 11.9#
70 7.4 5.4 8.2



#26
Hexane
Concen: 0.360 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 57 Resp: 39060
Ion Ratio Lower Upper
57 100
41 114.6 74.4 111.6#
43 260.4 190.6 285.8
56 62.8 43.0 64.4

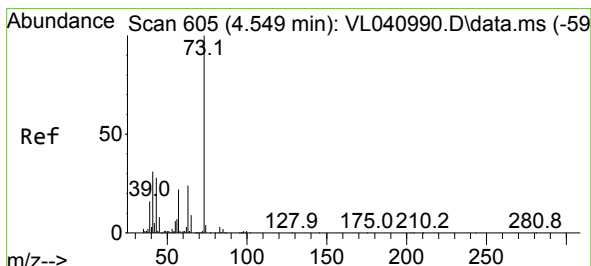
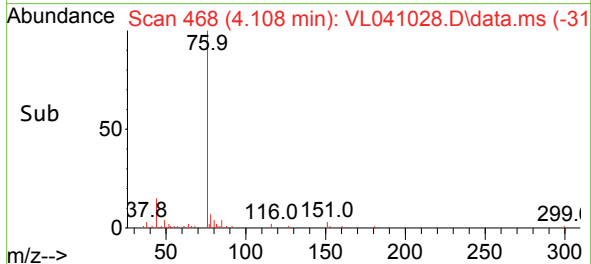
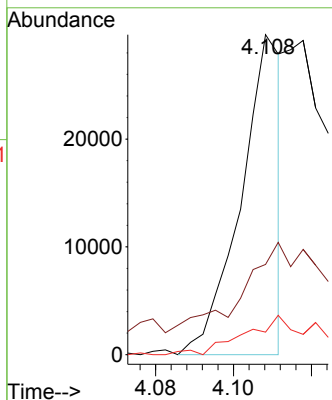
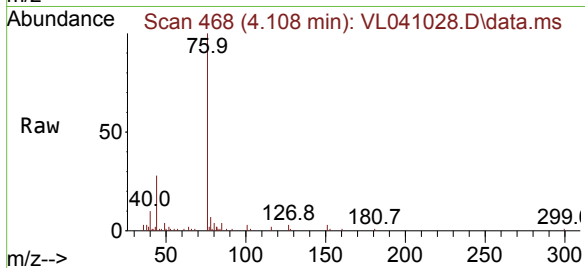




#27
Carbon Disulfide
Concen: 0.152 ppbv
RT: 4.108 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

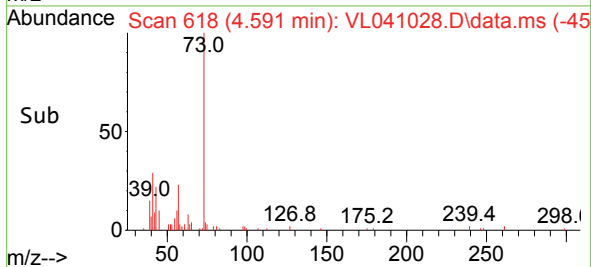
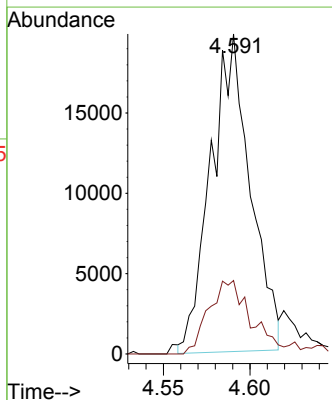
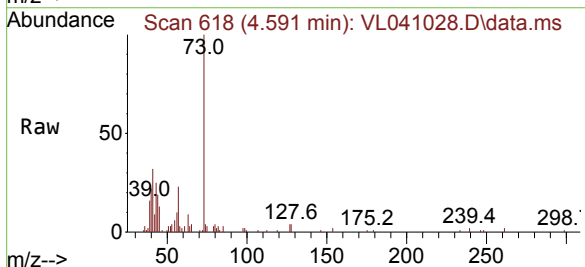
Instrument :
MSVOA_L
ClientSampleId :

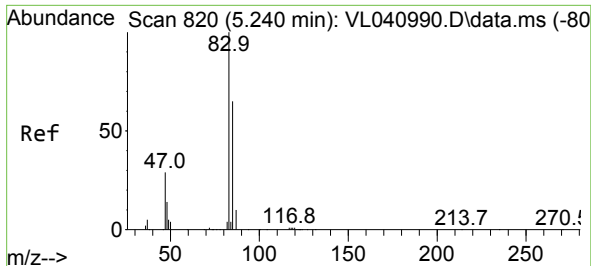
Tgt Ion: 76 Resp: 21457
Ion Ratio Lower Upper
76 100
44 83.7 16.0 24.0#
78 28.0 7.8 11.8#



#28
Methyl tert-Butyl Ether
Concen: 0.350 ppbv
RT: 4.591 min Scan# 618
Delta R.T. 0.019 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 73 Resp: 31542
Ion Ratio Lower Upper
73 100
57 25.4 18.0 27.0





#29

Chloroform

Concen: 0.407 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.000 min

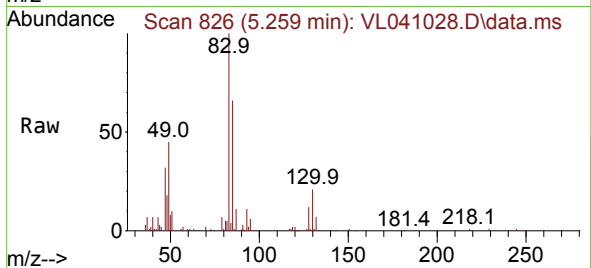
Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

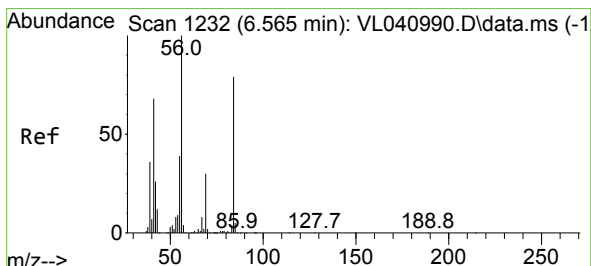
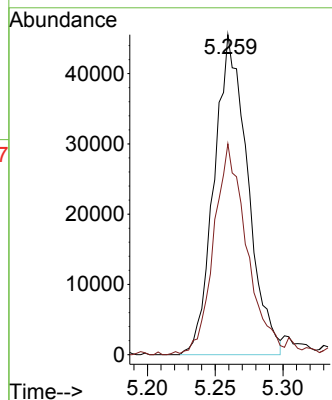
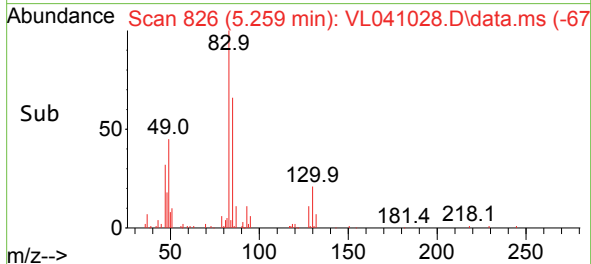


Tgt Ion: 83 Resp: 78465

Ion Ratio Lower Upper

83 100

85 65.5 51.6 77.4



#30

Cyclohexane

Concen: 0.103 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

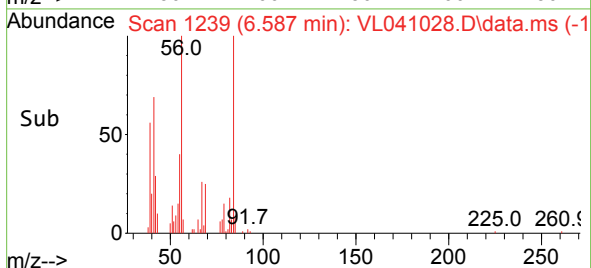
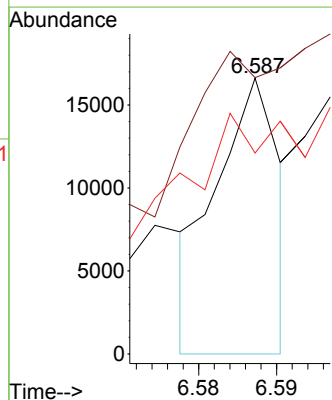
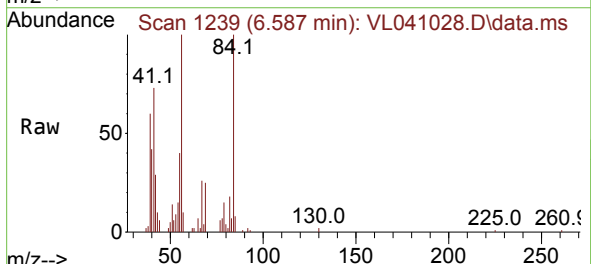
Tgt Ion: 84 Resp: 9388

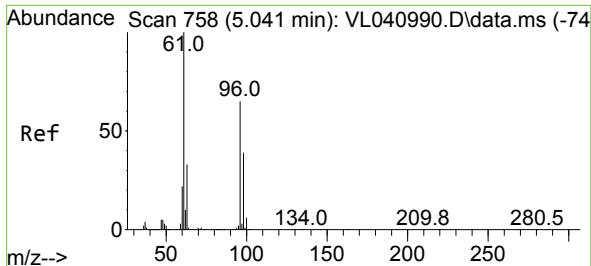
Ion Ratio Lower Upper

84 100

56 0.0 111.7 167.5#

41 0.0 71.0 106.6#

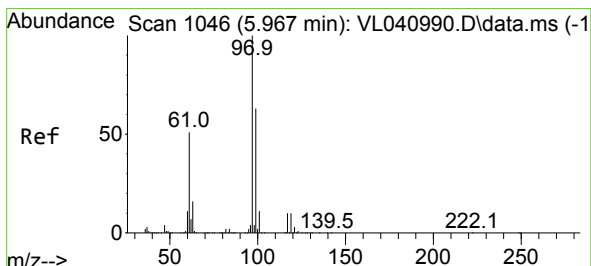
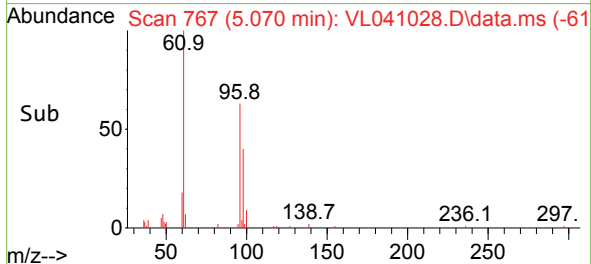
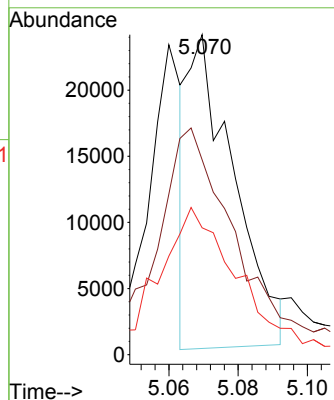
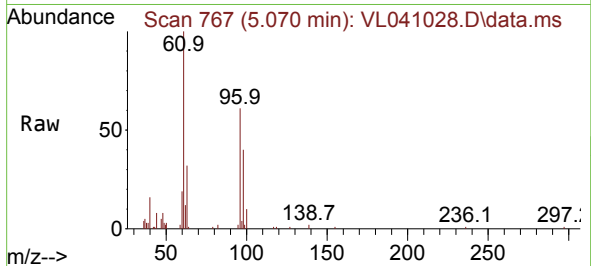




#31
 cis-1,2-Dichloroethene
 Concen: 0.214 ppbv
 RT: 5.070 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

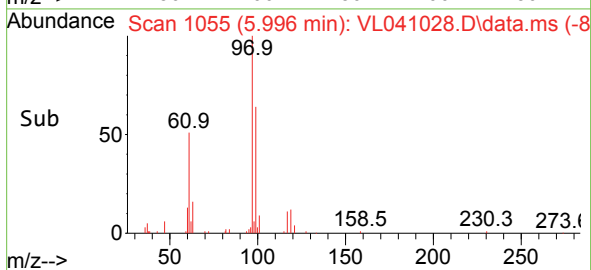
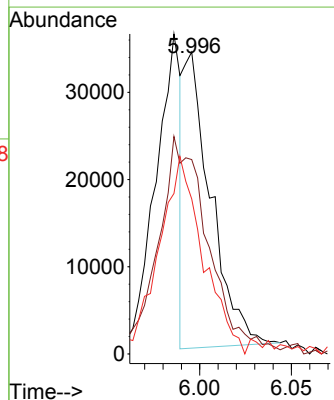
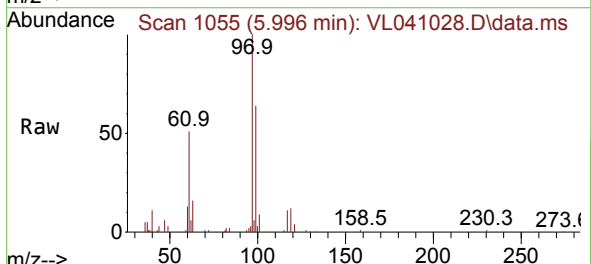
Instrument :
 MSVOA_L
 ClientSampleId :

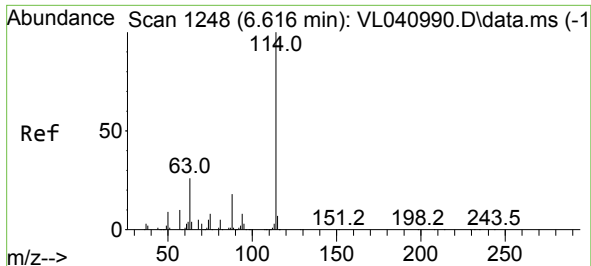
Tgt Ion: 61 Resp: 21765
 Ion Ratio Lower Upper
 61 100
 96 59.7 51.9 77.9
 98 40.6 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 0.188 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 97 Resp: 34618
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.5 77.3#
 61 0.0 40.3 60.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

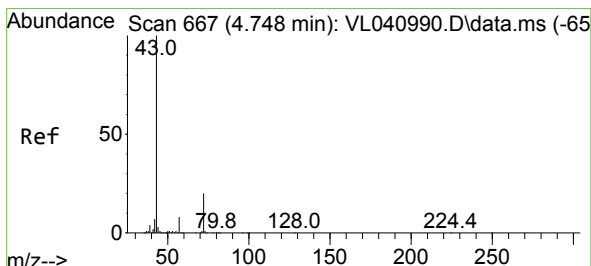
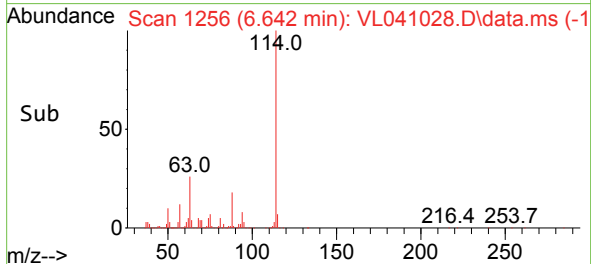
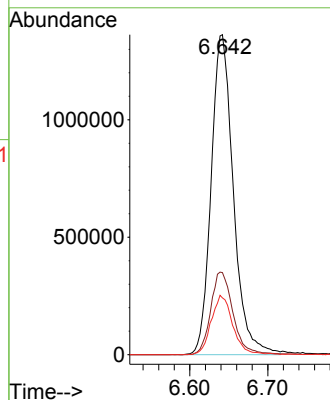
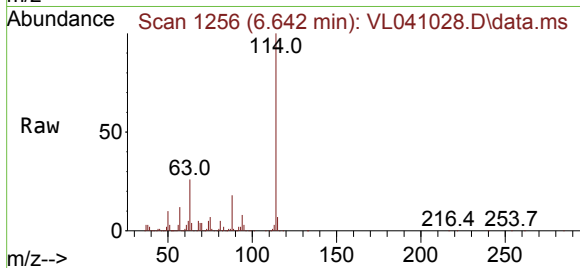
Tgt Ion:114 Resp: 2698657

Ion Ratio Lower Upper

114 100

63 26.2 20.8 31.2

88 18.2 14.3 21.5



#34

2-Butanone

Concen: 0.410 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.019 min

Lab File: VL041028.D

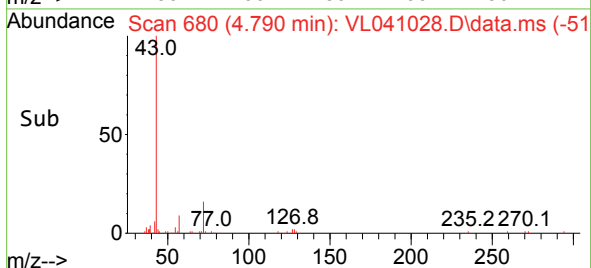
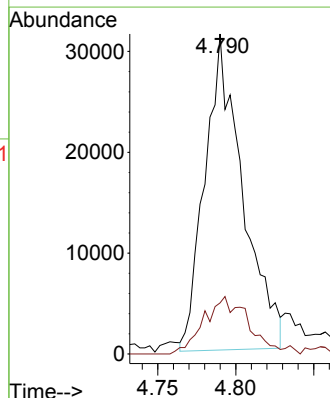
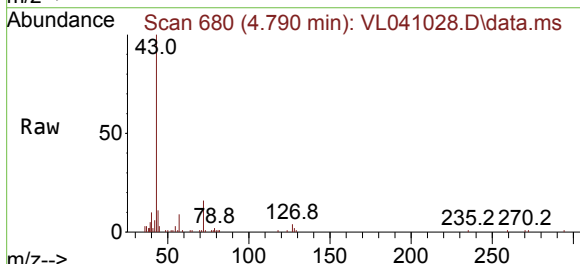
Acq: 25 Jan 2024 14:01

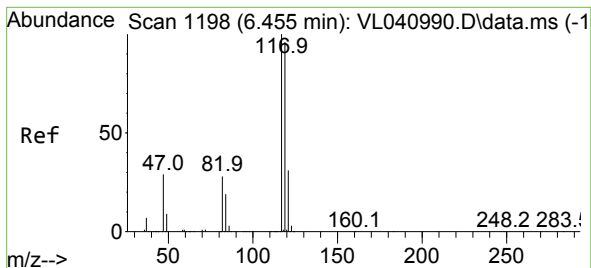
Tgt Ion: 43 Resp: 52694

Ion Ratio Lower Upper

43 100

72 21.7 17.5 26.3





#35

Carbon Tetrachloride

Concen: 0.219 ppbv

RT: 6.478 min Scan# 1198

Delta R.T. -0.003 min

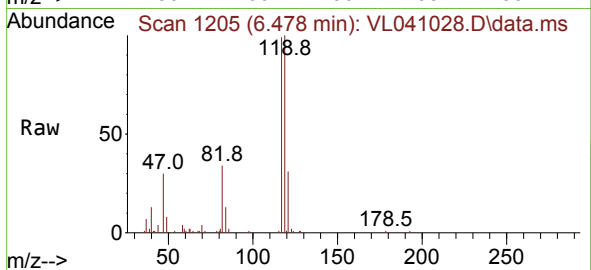
Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :



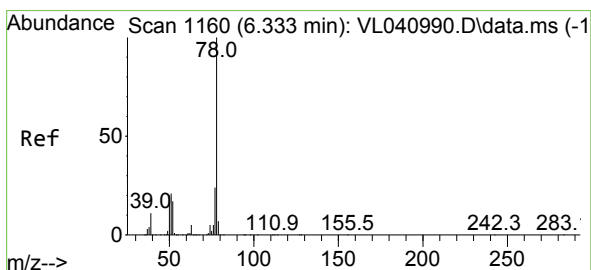
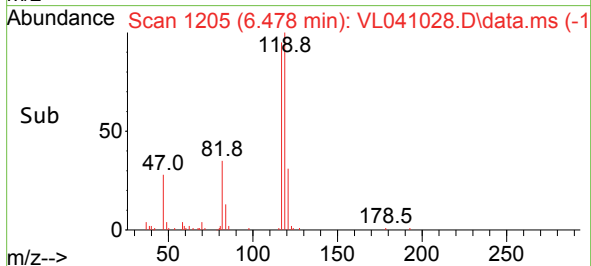
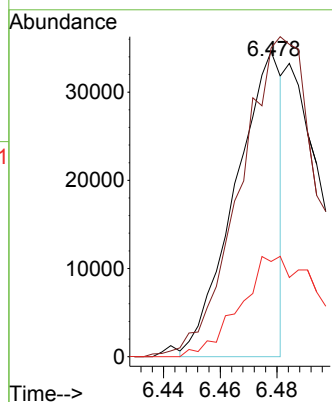
Tgt Ion:117 Resp: 39346

Ion Ratio Lower Upper

117 100

119 100.1 76.9 115.3

121 31.8 24.7 37.1



#36

Benzene

Concen: 0.199 ppbv

RT: 6.353 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

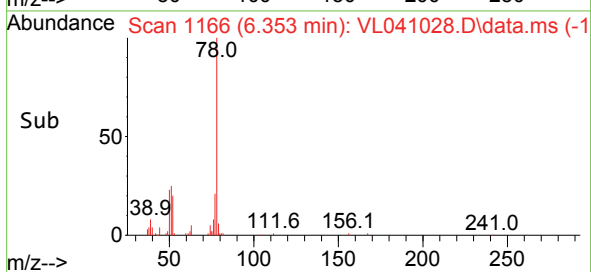
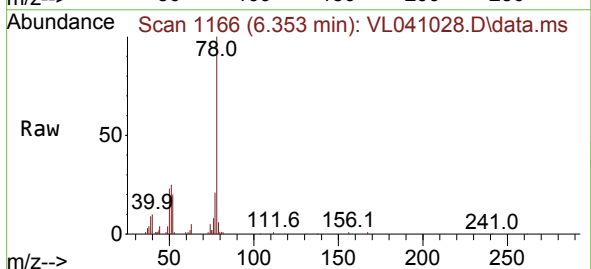
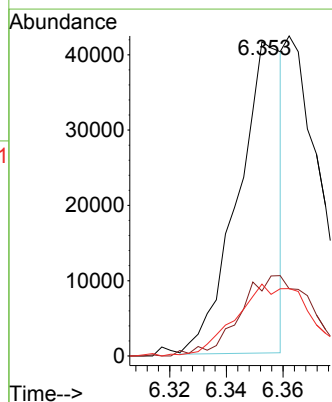
Tgt Ion: 78 Resp: 44268

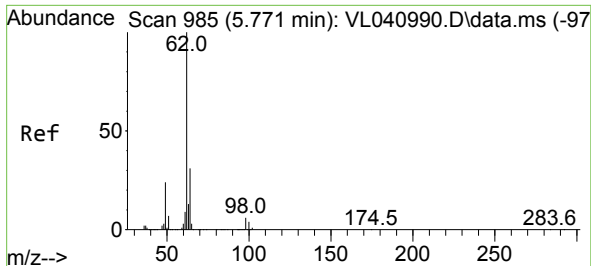
Ion Ratio Lower Upper

78 100

77 19.1 19.0 28.4

50 22.7 15.8 23.6

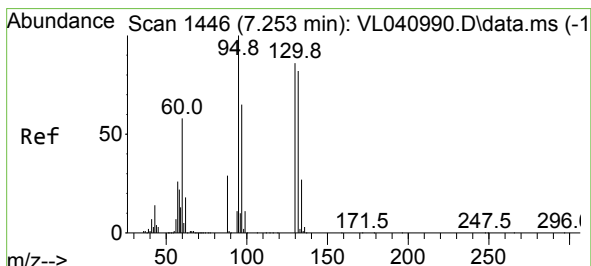
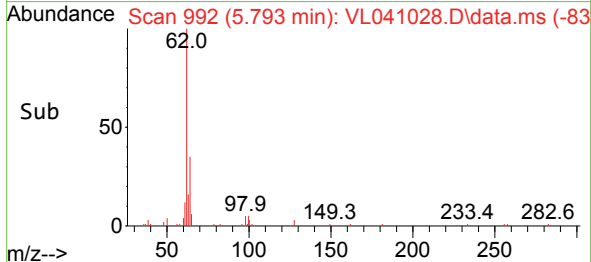
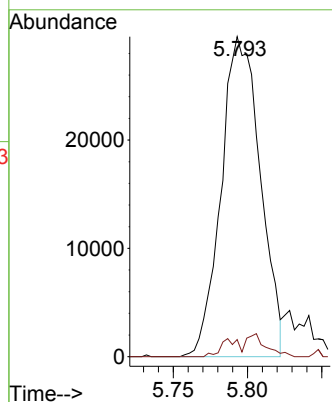
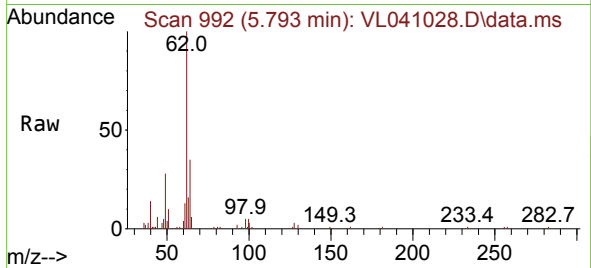




#37
1,2-Dichloroethane
Concen: 0.399 ppbv
RT: 5.793 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

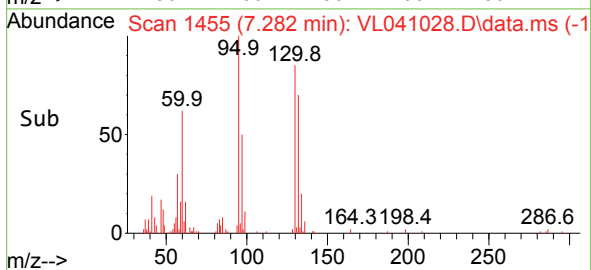
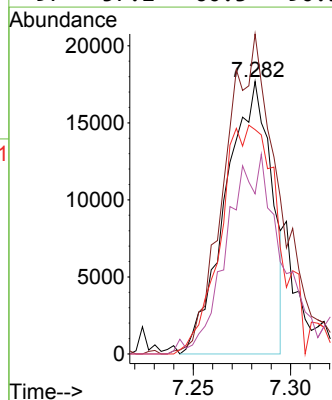
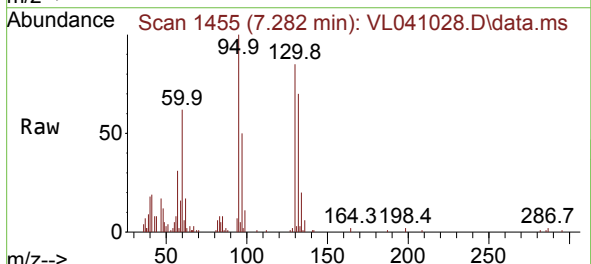
Instrument :
MSVOA_L
ClientSampleId :

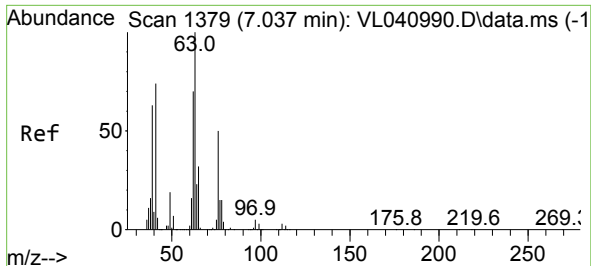
Tgt Ion: 62 Resp: 54257
Ion Ratio Lower Upper
62 100
98 6.0 4.7 7.1



#38
Trichloroethene
Concen: 0.323 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion:130 Resp: 28873
Ion Ratio Lower Upper
130 100
95 118.5 92.9 139.3
132 82.6 76.2 114.2
97 57.2 60.3 90.5#





#39

1,2-Dichloropropane

Concen: 0.430 ppbv

RT: 7.063 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

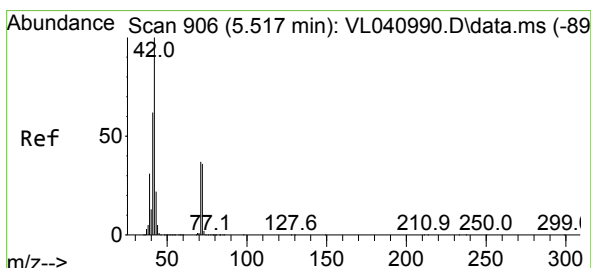
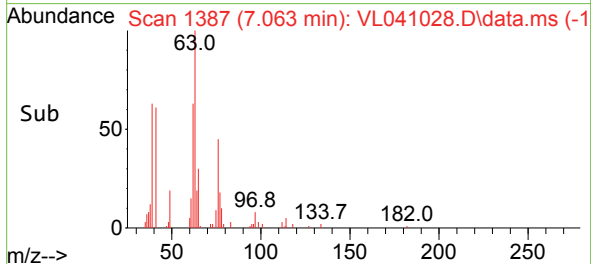
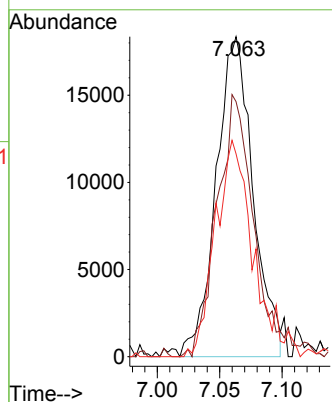
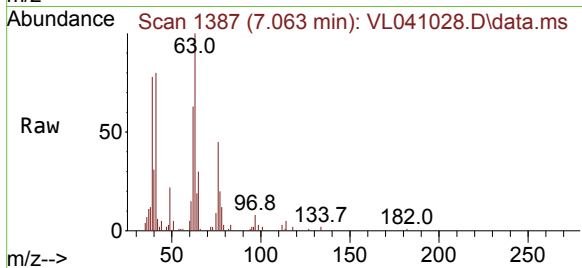
Tgt Ion: 63 Resp: 37739

Ion Ratio Lower Upper

63 100

41 79.7 59.6 89.4

62 63.4 55.6 83.4



#41

Tetrahydrofuran

Concen: 0.191 ppbv

RT: 5.568 min Scan# 922

Delta R.T. 0.026 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

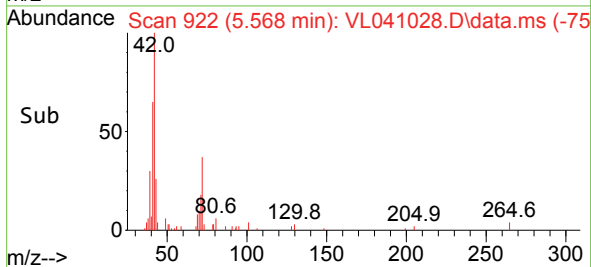
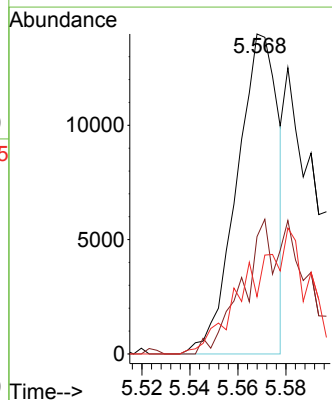
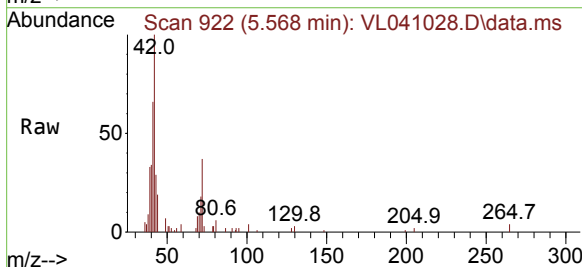
Tgt Ion: 42 Resp: 16660

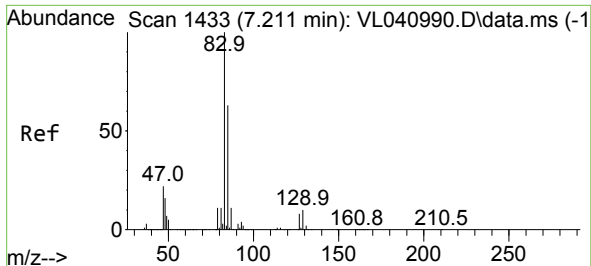
Ion Ratio Lower Upper

42 100

72 74.8 30.0 45.0#

71 0.0 29.5 44.3#

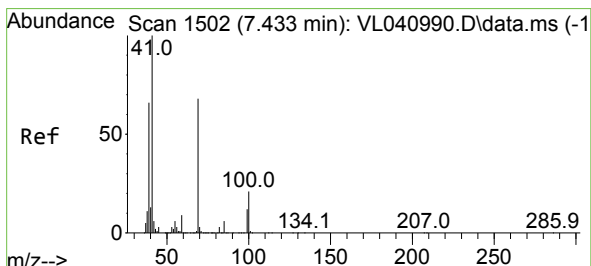
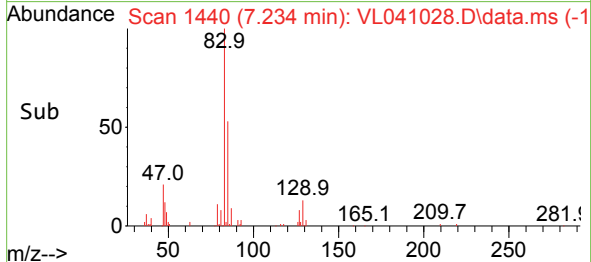
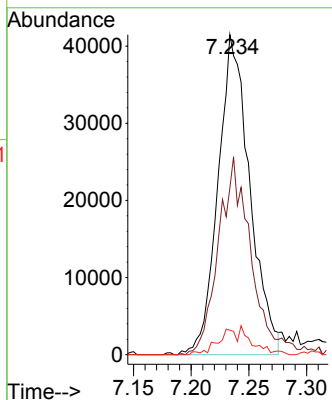
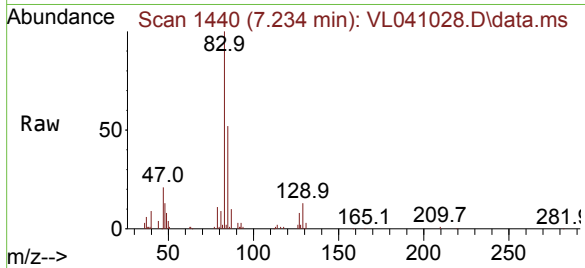




#42
 Bromodichloromethane
 Concen: 0.407 ppbv
 RT: 7.234 min Scan# 14
 Delta R.T. -0.003 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

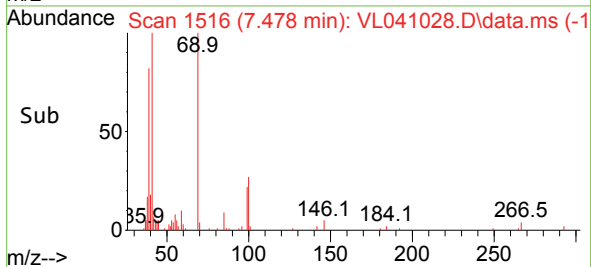
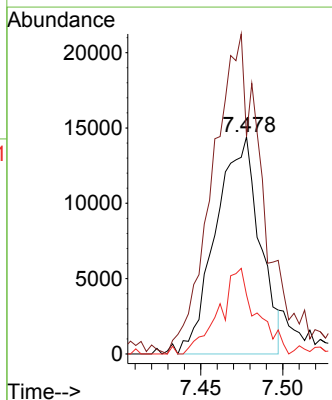
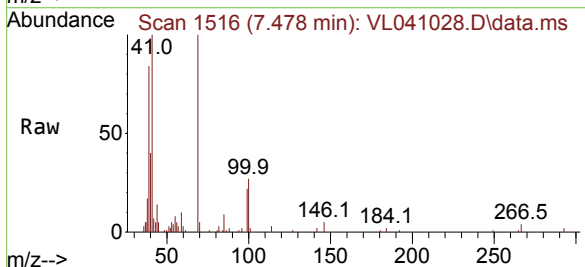
Instrument :
 MSVOA_L
 ClientSampleId :

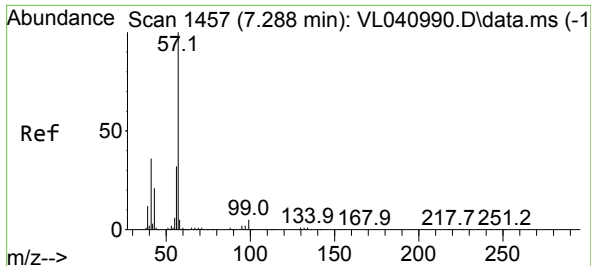
Tgt Ion: 83 Resp: 79224
 Ion Ratio Lower Upper
 83 100
 85 52.1 50.5 75.7
 127 9.4 6.4 9.6



#43
 Methyl Methacrylate
 Concen: 0.310 ppbv
 RT: 7.478 min Scan# 1516
 Delta R.T. 0.016 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 69 Resp: 26685
 Ion Ratio Lower Upper
 69 100
 41 172.6 120.2 180.2
 100 35.8 24.6 36.8

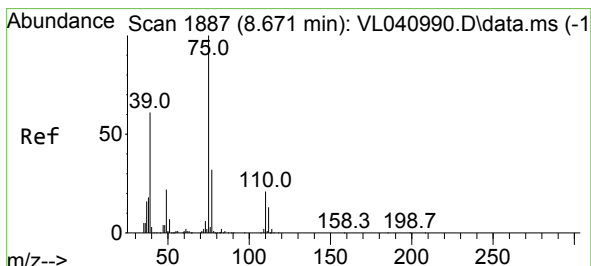
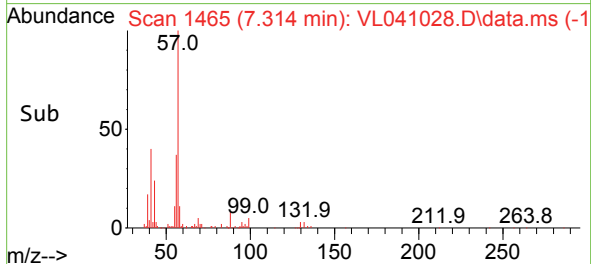
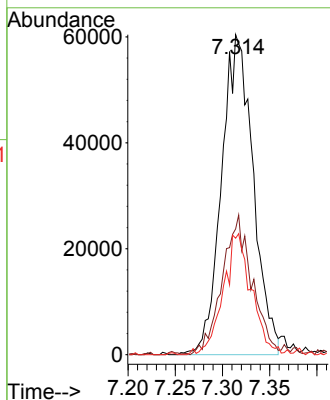
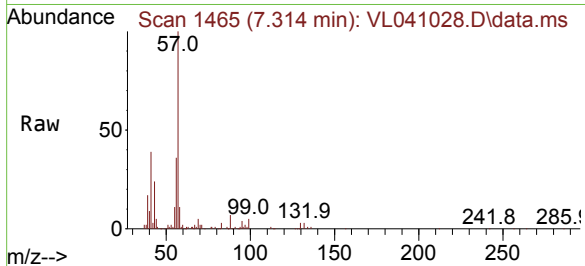




#44
2,2,4-Trimethylpentane
Concen: 0.374 ppbv
RT: 7.314 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

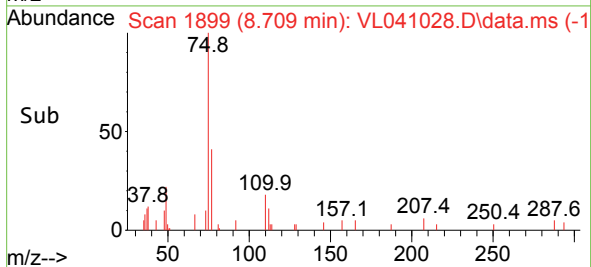
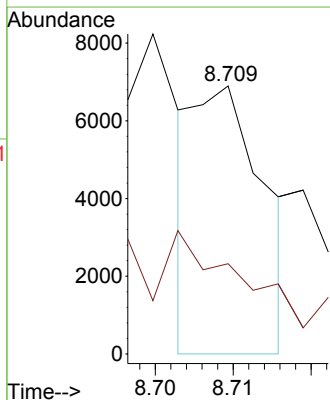
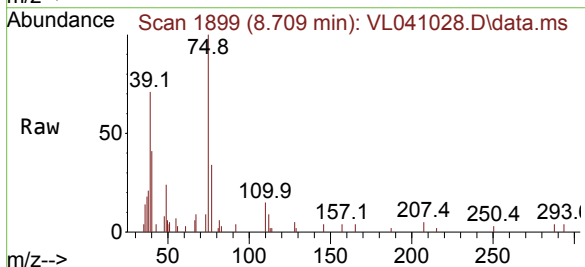
Instrument :
MSVOA_L
ClientSampleId :

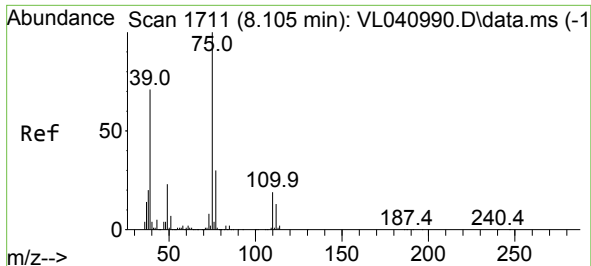
Tgt Ion: 57 Resp: 140331
Ion Ratio Lower Upper
57 100
41 42.9 28.6 43.0
56 34.2 25.2 37.8



#45
t-1,3-Dichloropropene
Concen: 0.072 ppbv
RT: 8.709 min Scan# 1899
Delta R.T. 0.013 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 75 Resp: 4248
Ion Ratio Lower Upper
75 100
77 33.7 25.3 37.9

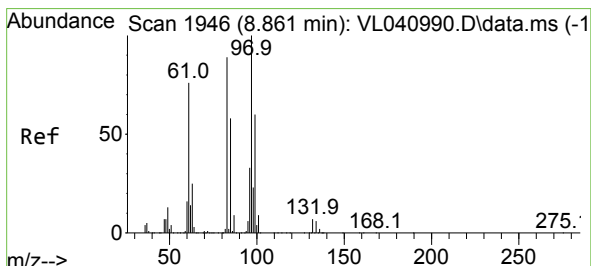
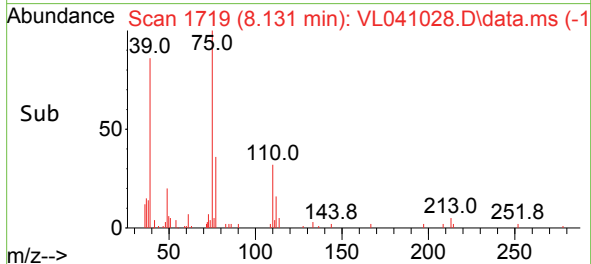
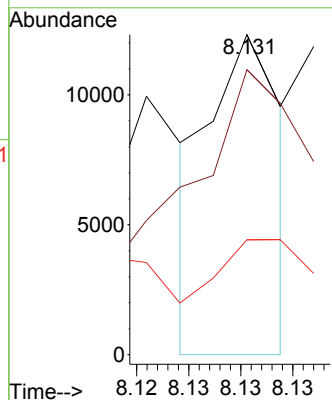
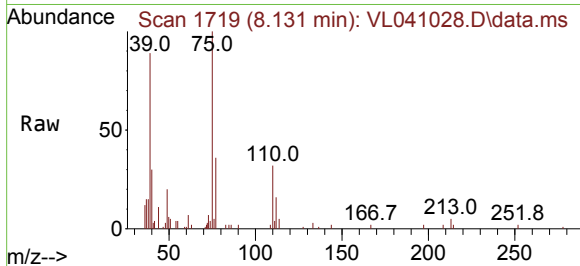




#46
 cis-1,3-Dichloropropene
 Concen: 0.081 ppbv
 RT: 8.131 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

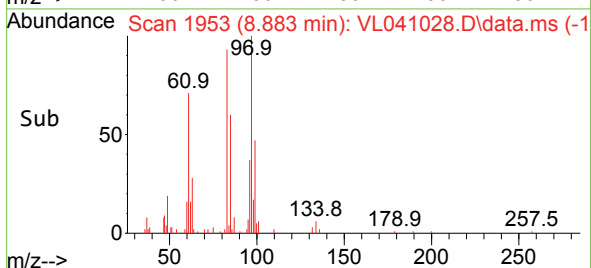
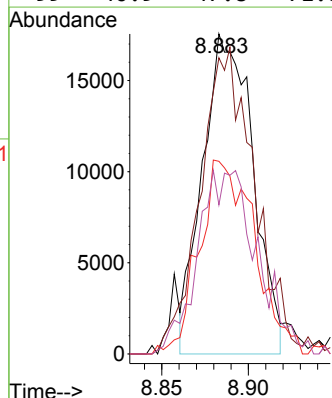
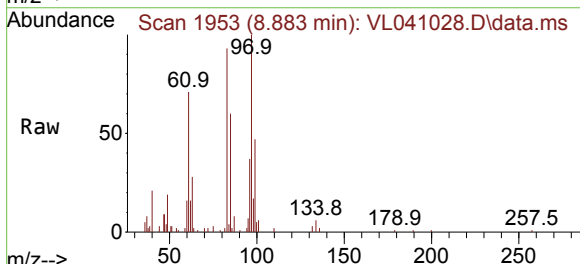
Instrument :
 MSVOA_L
 ClientSampleId :

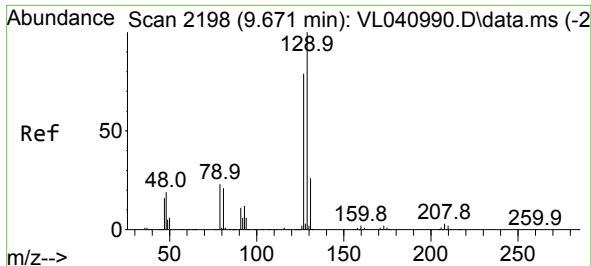
Tgt Ion: 75 Resp: 5945
 Ion Ratio Lower Upper
 75 100
 39 108.7 57.3 85.9#
 77 58.5 24.3 36.5#



#47
 1,1,2-Trichloroethane
 Concen: 0.375 ppbv
 RT: 8.883 min Scan# 1953
 Delta R.T. -0.006 min
 Lab File: VL041028.D
 Acq: 25 Jan 2024 14:01

Tgt Ion: 97 Resp: 35500
 Ion Ratio Lower Upper
 97 100
 83 84.6 71.5 107.3
 85 62.7 46.1 69.1
 99 40.9 47.8 71.8#

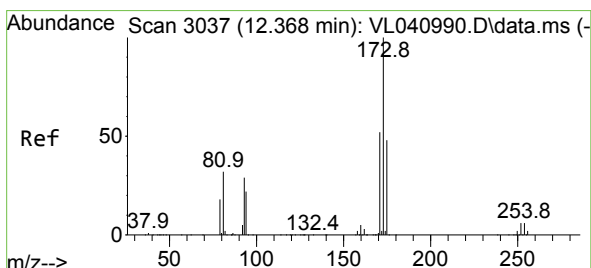
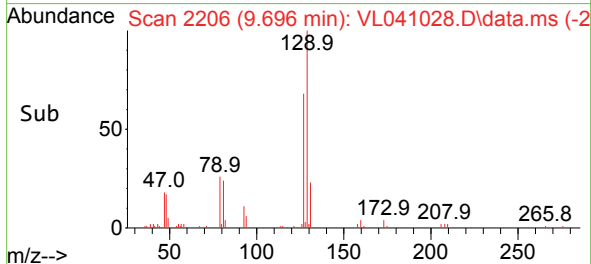
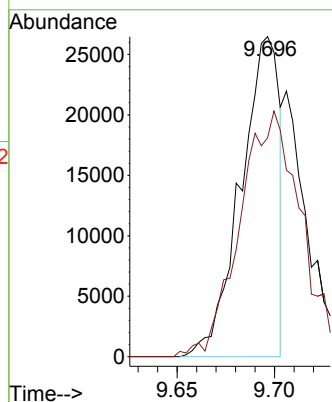
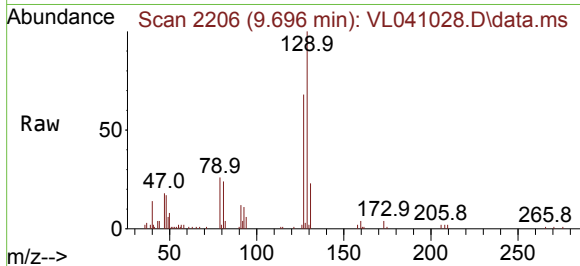




#48
Dibromochloromethane
Concen: 0.228 ppbv
RT: 9.696 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

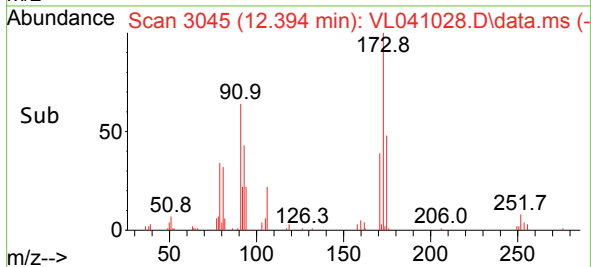
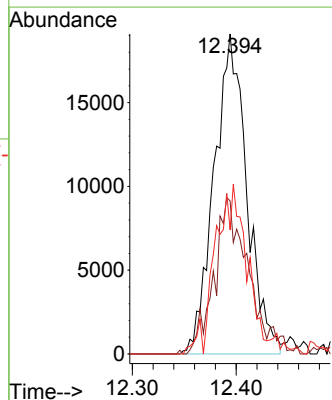
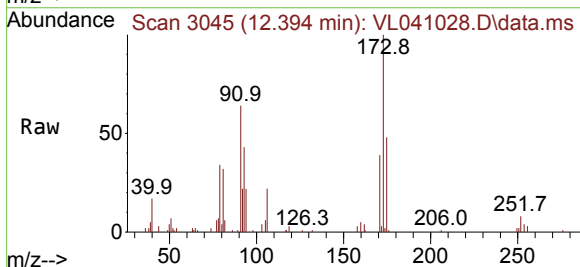
Instrument :
MSVOA_L
ClientSampleId :

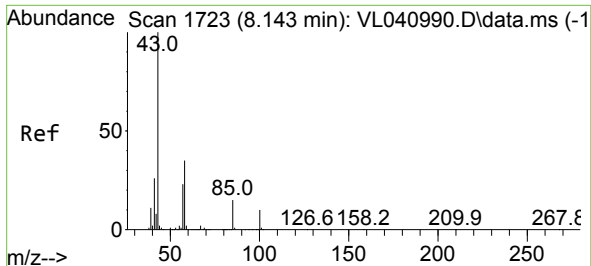
Tgt Ion:129 Resp: 36436
Ion Ratio Lower Upper
129 100
127 126.5 39.6 119.0#



#49
Bromoform
Concen: 0.334 ppbv
RT: 12.394 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion:173 Resp: 41884
Ion Ratio Lower Upper
173 100
175 51.2 39.0 58.4
171 53.1 42.0 63.0





#50

4-Methyl-2-Pentanone

Concen: 0.331 ppbv

RT: 8.195 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

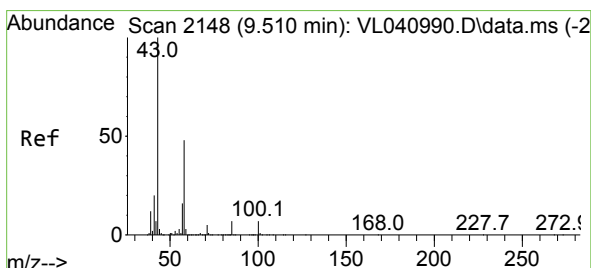
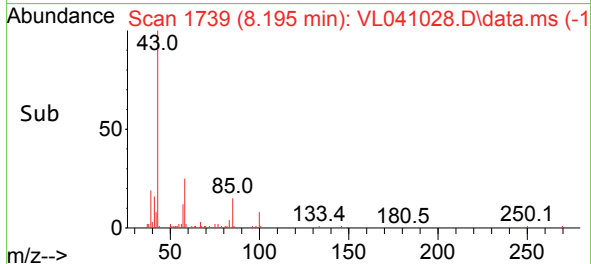
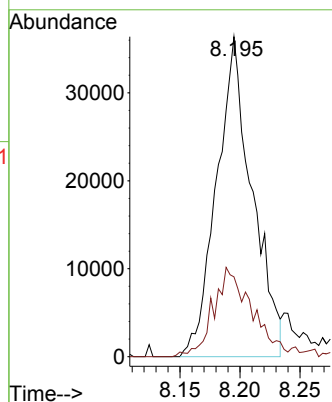
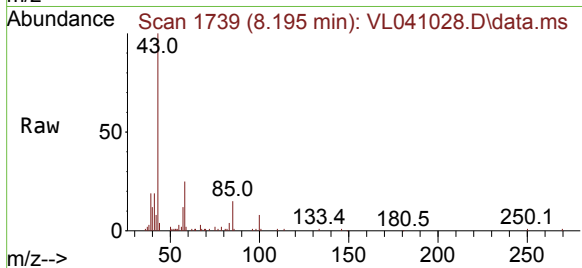
ClientSampleId :

Tgt Ion: 43 Resp: 74953

Ion Ratio Lower Upper

43 100

58 31.3 27.8 41.8



#51

2-Hexanone

Concen: 0.229 ppbv

RT: 9.565 min Scan# 2165

Delta R.T. 0.029 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

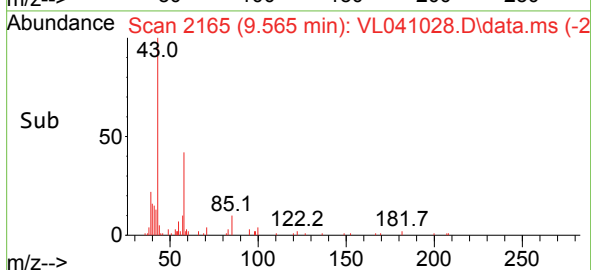
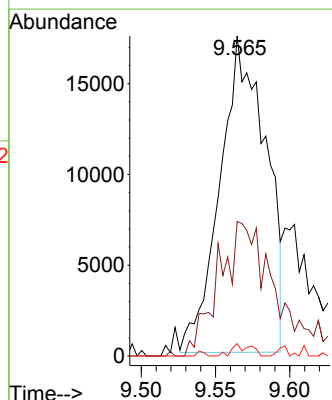
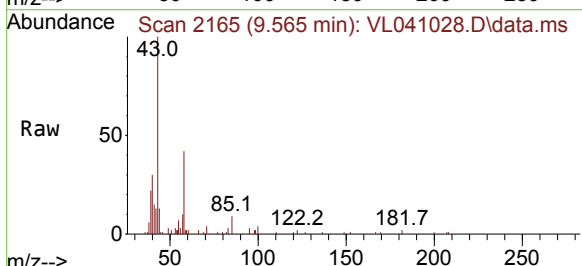
Tgt Ion: 43 Resp: 37319

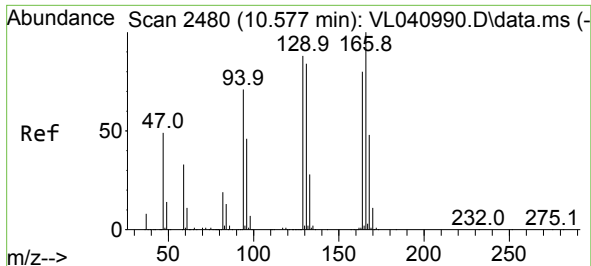
Ion Ratio Lower Upper

43 100

58 56.4 36.8 55.2#

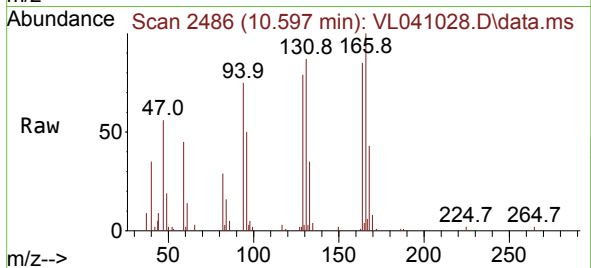
98 3.0 0.3 0.5#



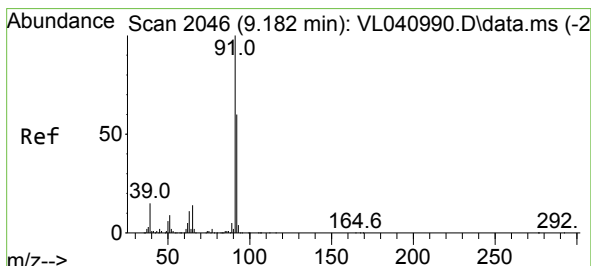
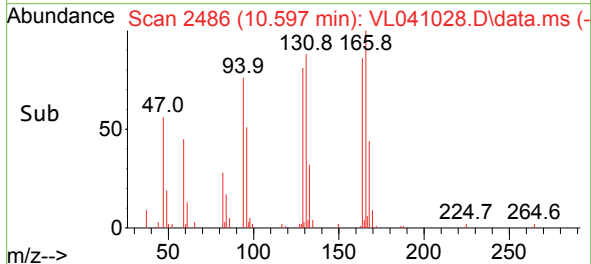
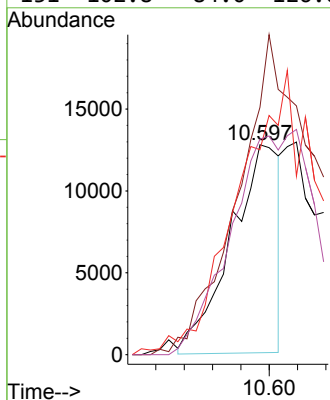


#52
Tetrachloroethene
Concen: 0.204 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. -0.006 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Instrument :
MSVOA_L
ClientSampleId :

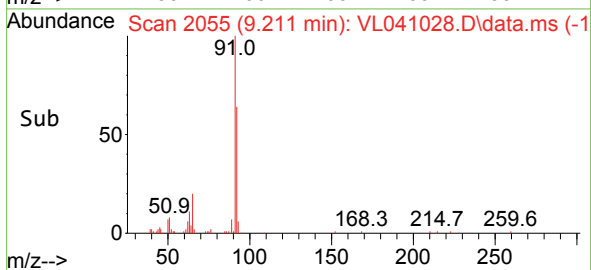
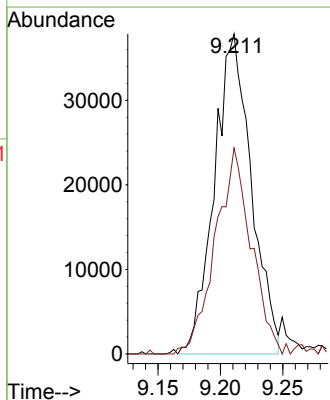
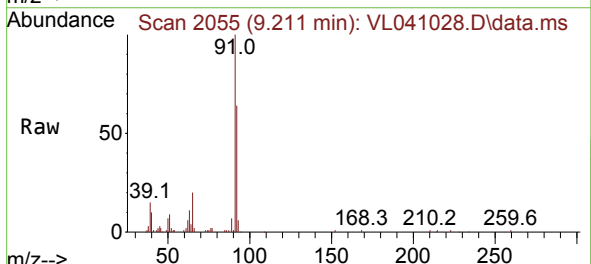


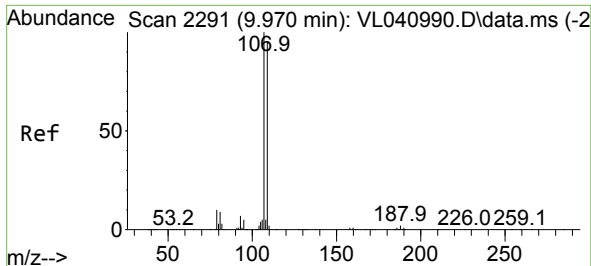
Tgt Ion:164 Resp: 15111
Ion Ratio Lower Upper
164 100
166 112.9 100.2 150.2
129 94.2 87.9 131.9
131 102.8 84.0 126.0



#53
Toluene
Concen: 0.320 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. 0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 91 Resp: 78200
Ion Ratio Lower Upper
91 100
92 62.3 48.6 72.8

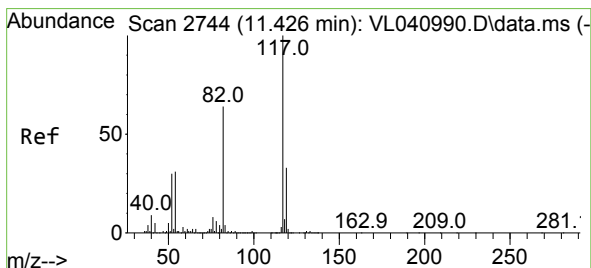
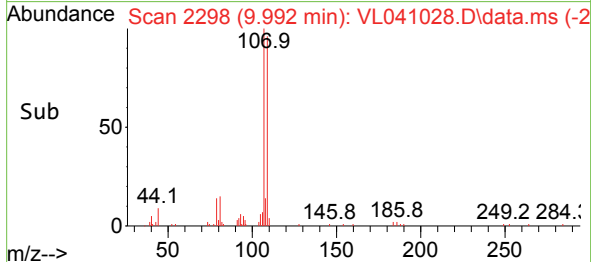
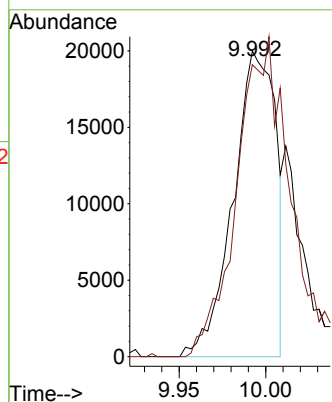
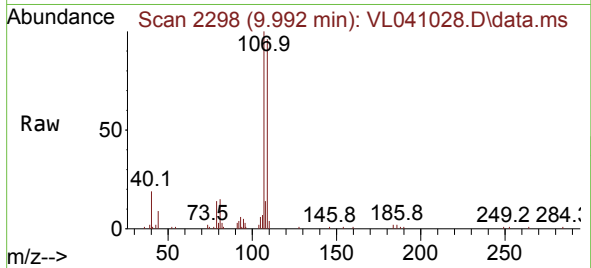




#54
1,2-Dibromoethane
Concen: 0.267 ppbv
RT: 9.992 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

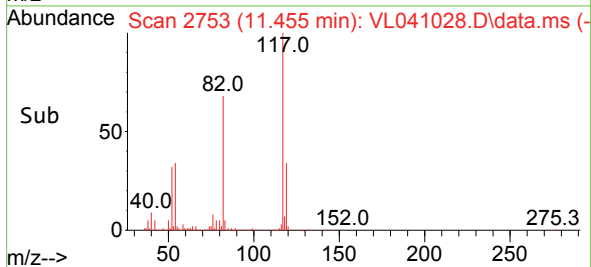
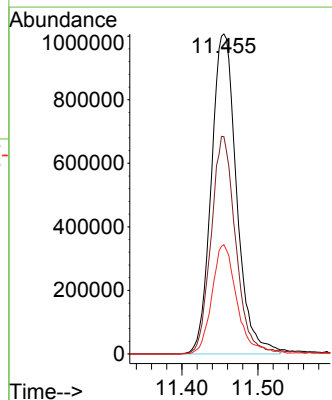
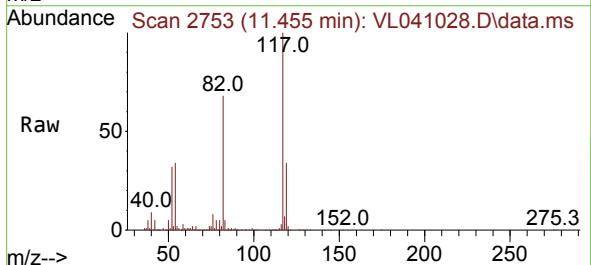
Instrument :
MSVOA_L
ClientSampleId :

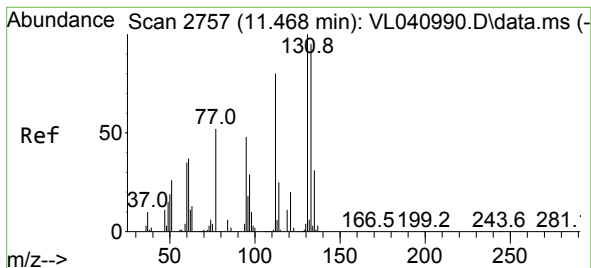
Tgt Ion:107 Resp: 34235
Ion Ratio Lower Upper
107 100
109 95.5 76.1 114.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion:117 Resp: 2327918
Ion Ratio Lower Upper
117 100
82 67.1 51.7 77.5
119 34.2 23.8 35.6

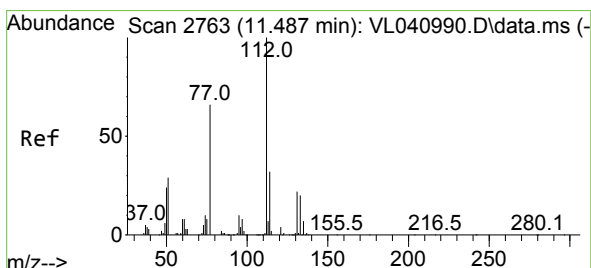
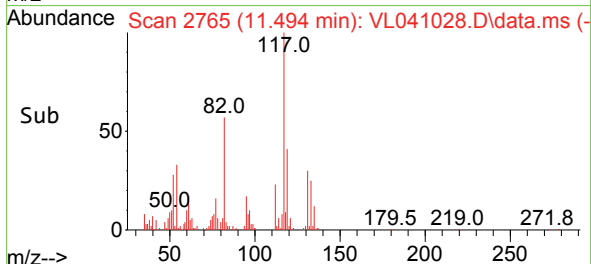
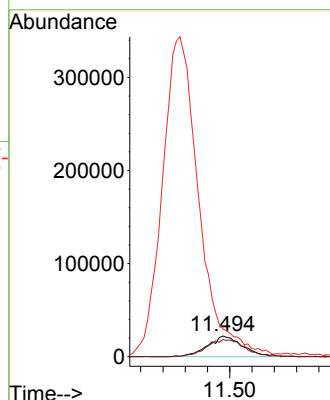
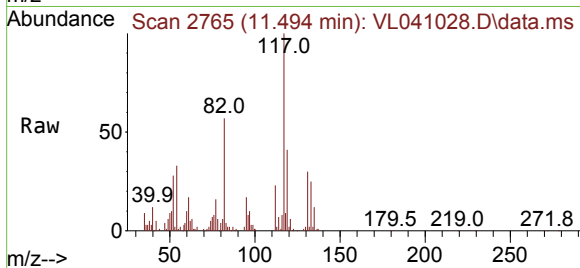




#56
1,1,1,2-Tetrachloroethane
Concen: 0.431 ppbv
RT: 11.494 min Scan# 211
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

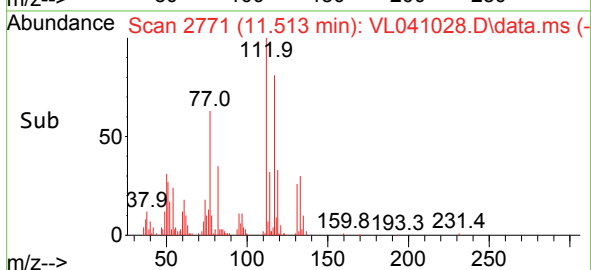
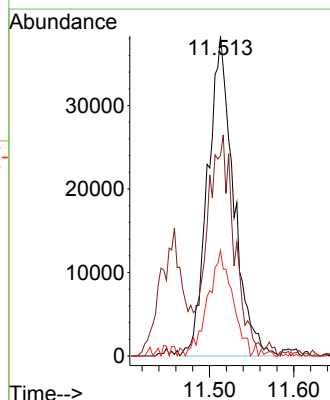
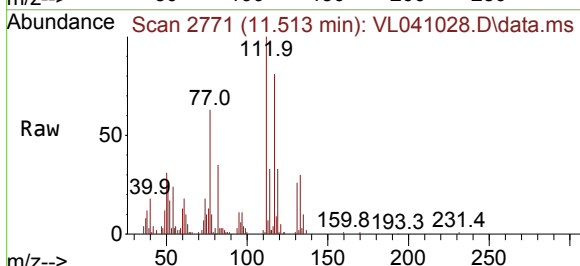
Instrument :
MSVOA_L
ClientSampleId :

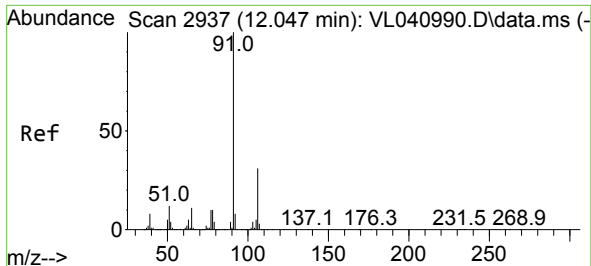
Tgt Ion:131 Resp: 48098
Ion Ratio Lower Upper
131 100
133 91.3 75.9 113.9
119 1654.7 49.2 73.8#



#57
Chlorobenzene
Concen: 0.435 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion:112 Resp: 81536
Ion Ratio Lower Upper
112 100
77 61.3 53.4 80.0
114 34.4 29.1 35.5

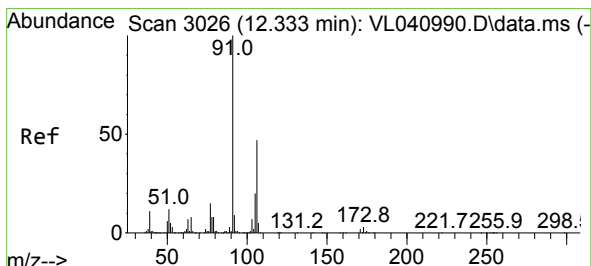
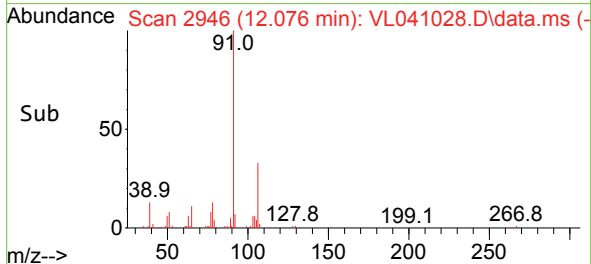
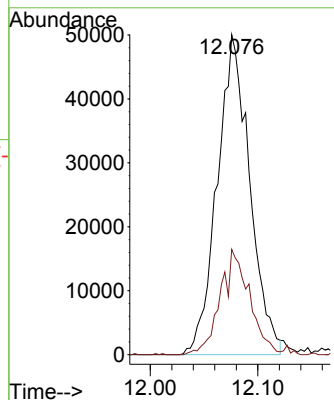
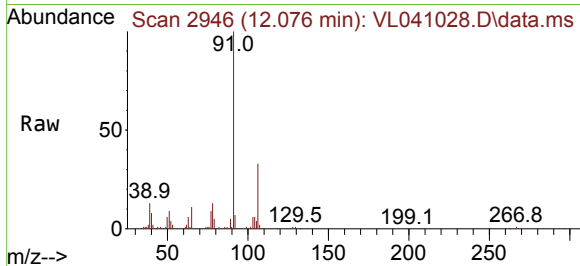




#58
Ethyl Benzene
Concen: 0.336 ppbv
RT: 12.076 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

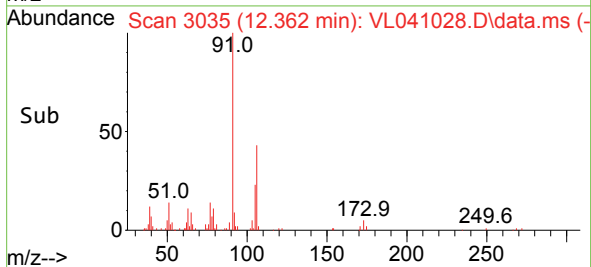
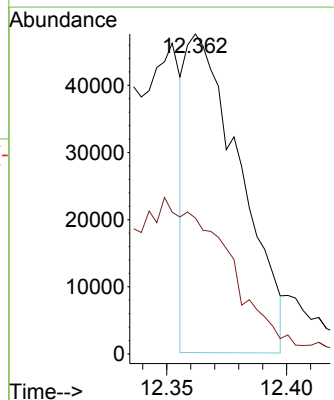
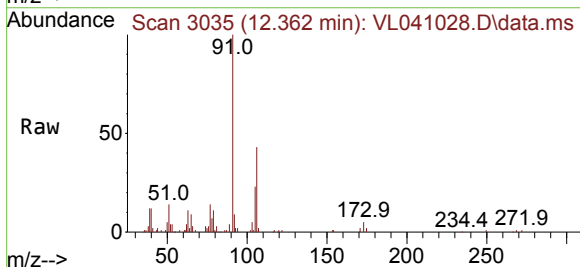
Instrument :
MSVOA_L
ClientSampleId :

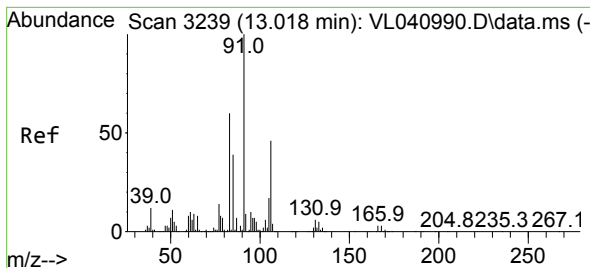
Tgt Ion: 91 Resp: 105172
Ion Ratio Lower Upper
91 100
106 32.9 24.8 37.2



#59
m/p-Xylene
Concen: 0.273 ppbv
RT: 12.362 min Scan# 3035
Delta R.T. 0.003 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 91 Resp: 74371
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#





#60

o-Xylene

Concen: 0.348 ppbv

RT: 13.050 min Scan# 3197

Delta R.T. 0.006 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

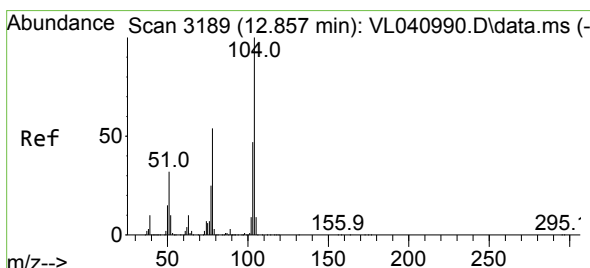
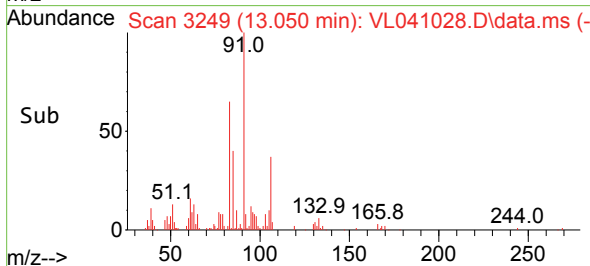
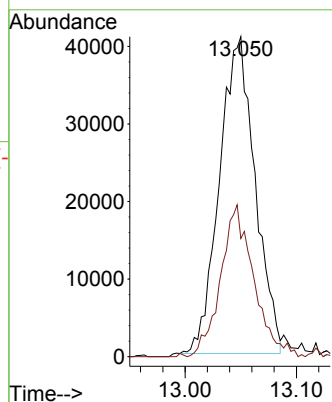
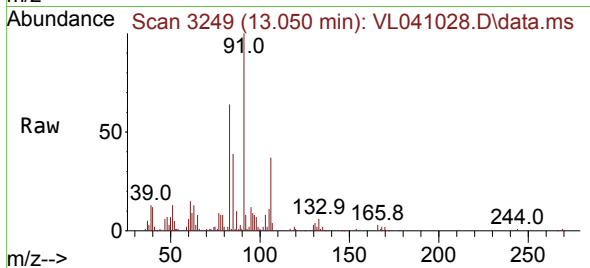
ClientSampleId :

Tgt Ion: 91 Resp: 90928

Ion Ratio Lower Upper

91 100

106 44.6 22.6 67.7



#61

Styrene

Concen: 0.125 ppbv

RT: 12.883 min Scan# 3197

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

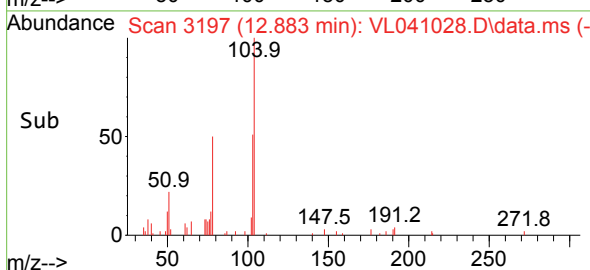
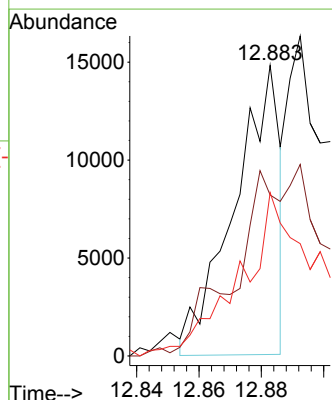
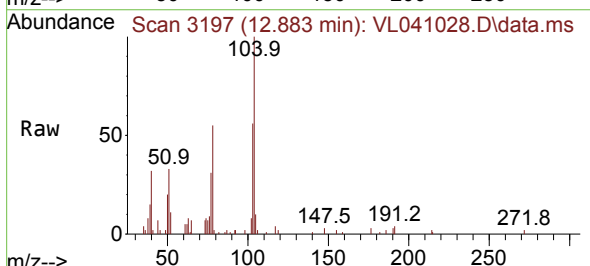
Tgt Ion: 104 Resp: 15016

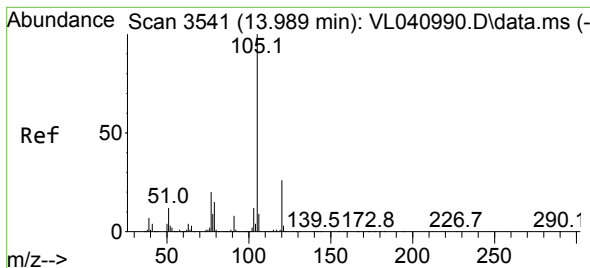
Ion Ratio Lower Upper

104 100

78 0.0 42.7 64.1#

103 100.9 37.6 56.4#





#62

Isopropylbenzene

Concen: 0.378 ppbv

RT: 14.015 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

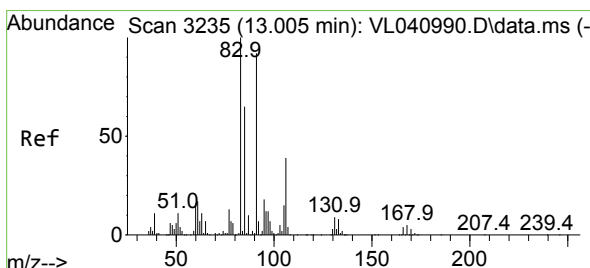
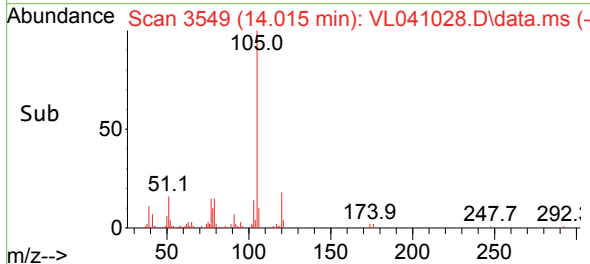
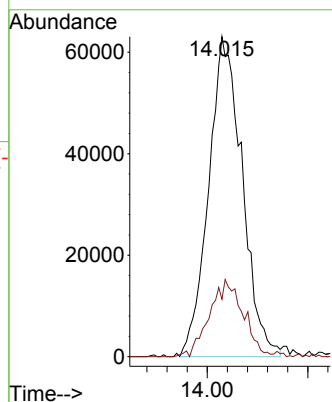
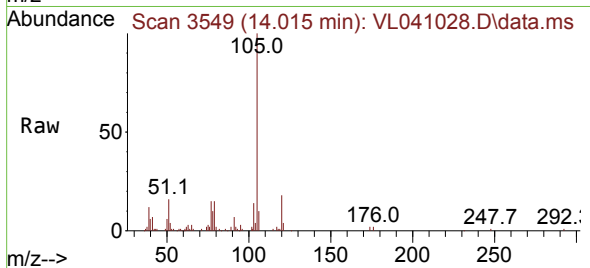
ClientSampleId :

Tgt Ion:105 Resp: 146245

Ion Ratio Lower Upper

105 100

120 24.7 20.9 31.3



#63

1,1,2,2-Tetrachloroethane

Concen: 0.235 ppbv

RT: 13.031 min Scan# 3243

Delta R.T. -0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

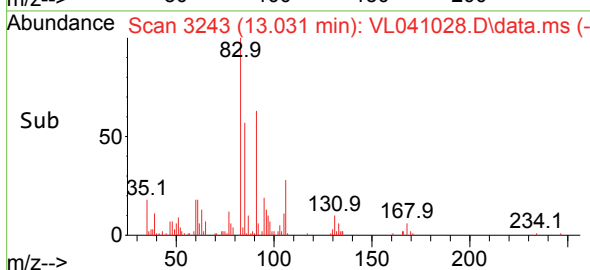
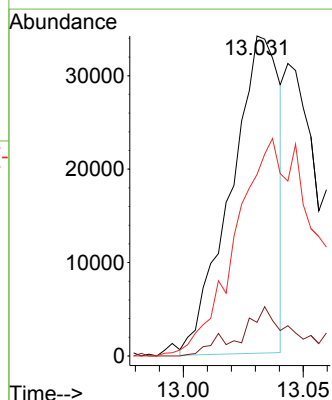
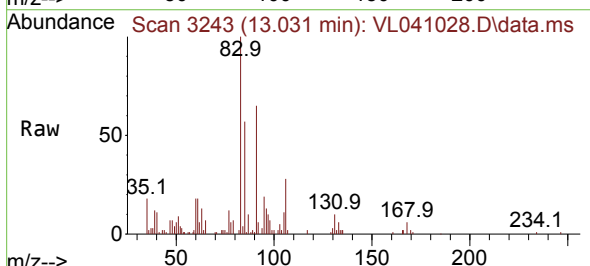
Tgt Ion: 83 Resp: 47747

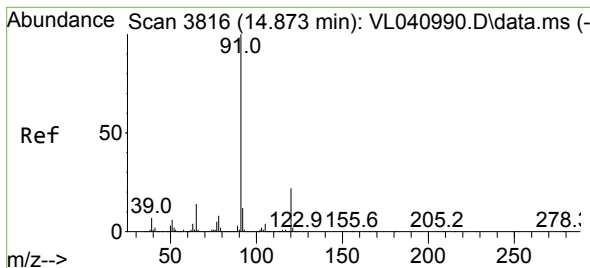
Ion Ratio Lower Upper

83 100

131 21.4 4.6 13.8#

85 121.6 33.0 99.0#





#64

n-propylbenzene

Concen: 0.330 ppbv

RT: 14.908 min Scan# 3816

Delta R.T. 0.006 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

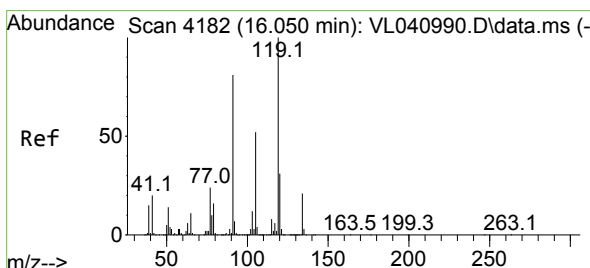
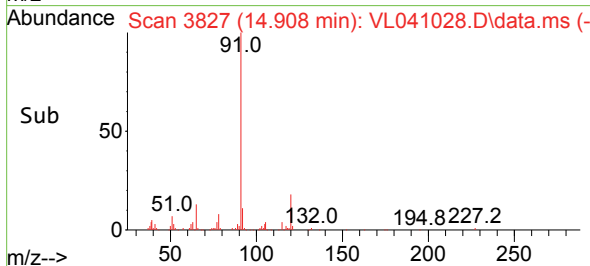
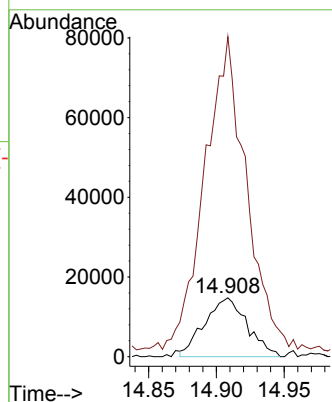
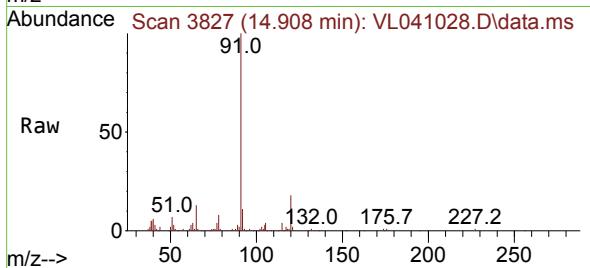
ClientSampleId :

Tgt Ion:120 Resp: 32245

Ion Ratio Lower Upper

120 100

91 570.2 390.6 585.8



#65

tert-Butylbenzene

Concen: 0.159 ppbv

RT: 16.076 min Scan# 4190

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

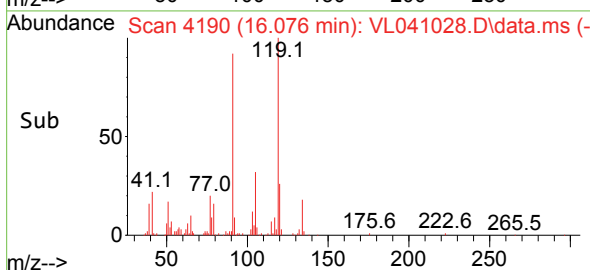
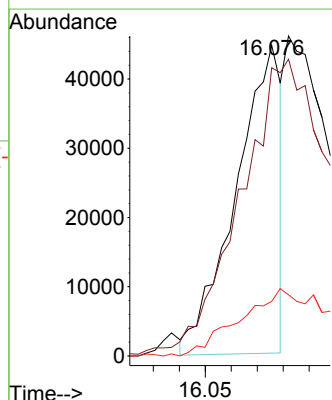
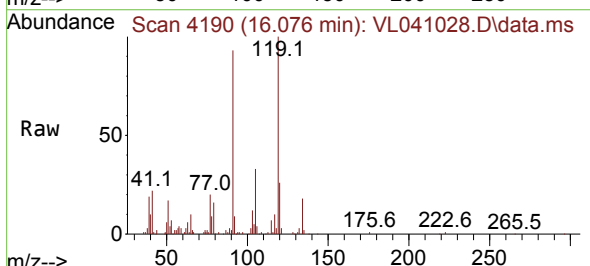
Tgt Ion:119 Resp: 53772

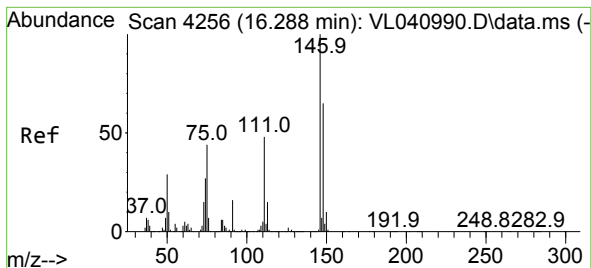
Ion Ratio Lower Upper

119 100

91 0.0 67.6 101.4#

134 0.0 16.1 24.1#





#66

Benzyl Chloride

Concen: 0.134 ppbv

RT: 16.317 min Scan# 4361

Delta R.T. 0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

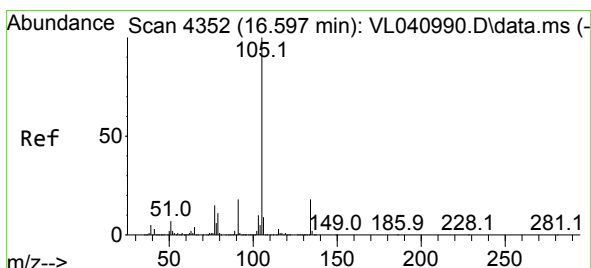
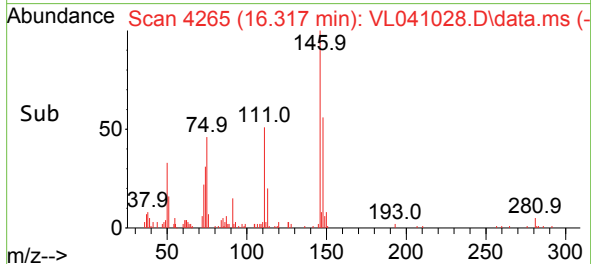
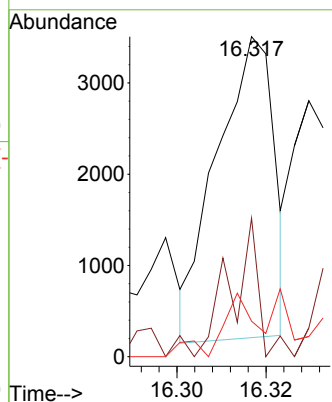
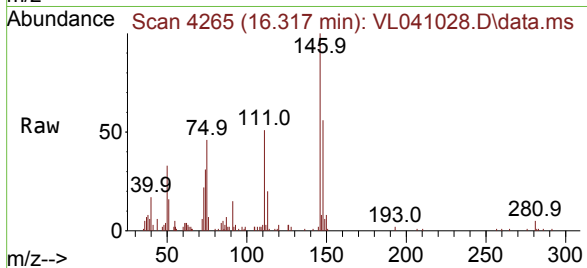
Tgt Ion: 91 Resp: 2964

Ion Ratio Lower Upper

91 100

126 60.7 13.6 20.4#

128 28.6 4.2 6.2#



#67

sec-Butylbenzene

Concen: 0.358 ppbv

RT: 16.625 min Scan# 4361

Delta R.T. 0.006 min

Lab File: VL041028.D

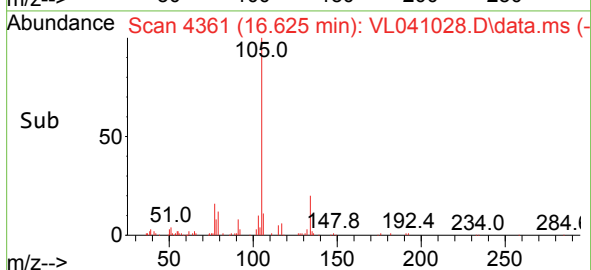
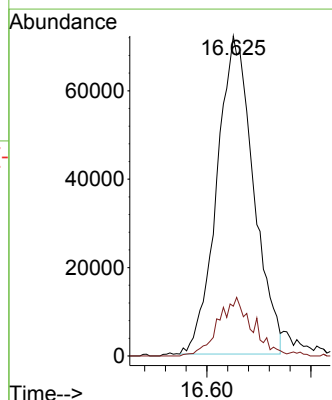
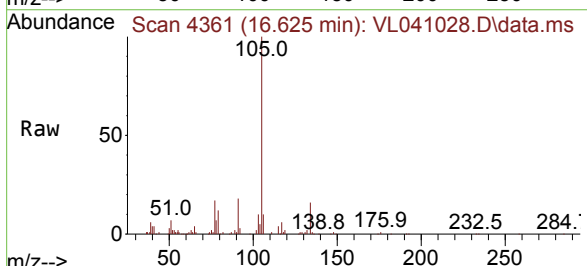
Acq: 25 Jan 2024 14:01

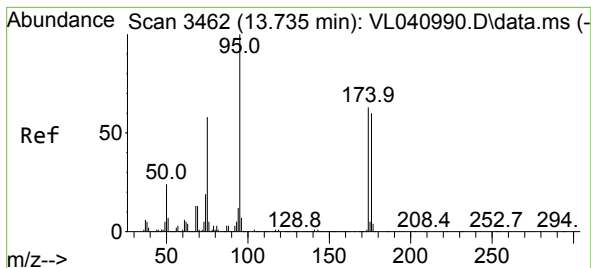
Tgt Ion: 105 Resp: 176143

Ion Ratio Lower Upper

105 100

134 17.7 14.2 21.4

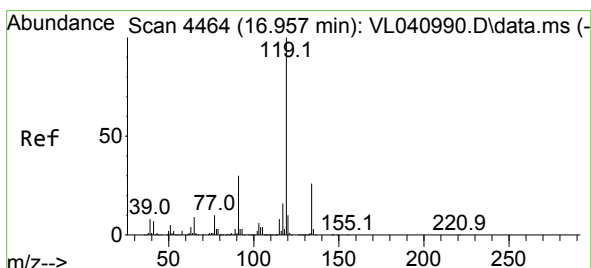
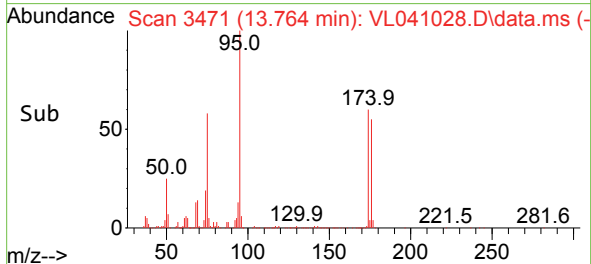
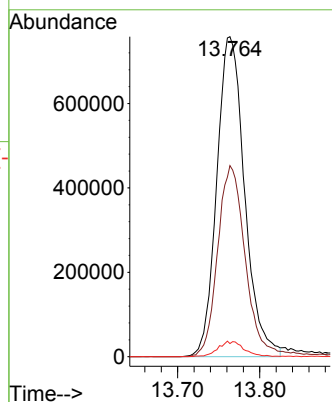
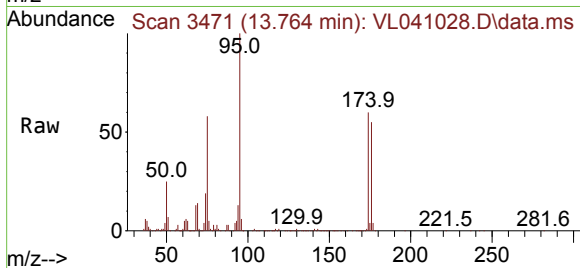




#68
1-Bromo-4-Fluorobenzene
Concen: 10.186 ppbv
RT: 13.764 min Scan# 3462
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

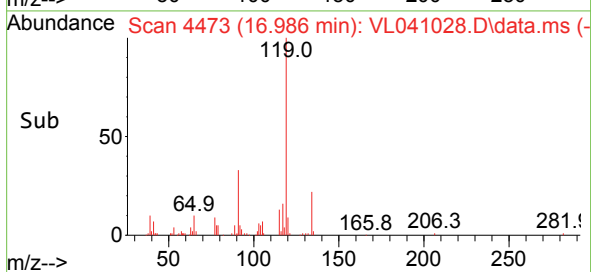
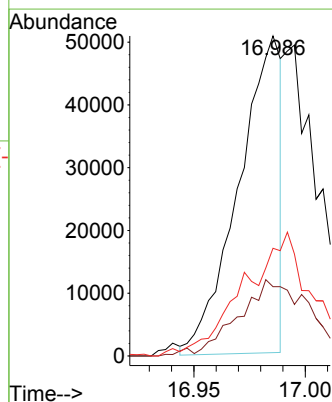
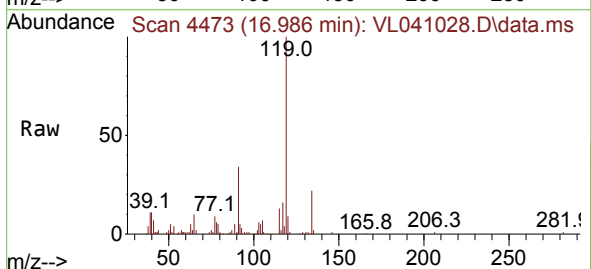
Instrument :
MSVOA_L
ClientSampleId :

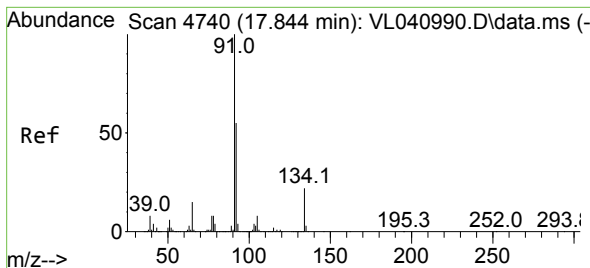
Tgt Ion: 95 Resp: 1790933
Ion Ratio Lower Upper
95 100
174 61.1 49.1 73.7
175 4.6 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.176 ppbv
RT: 16.986 min Scan# 4473
Delta R.T. 0.006 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

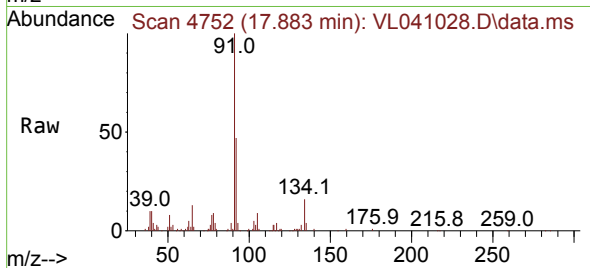
Tgt Ion: 119 Resp: 67249
Ion Ratio Lower Upper
119 100
134 45.2 20.6 30.8#
91 0.0 24.5 36.7#



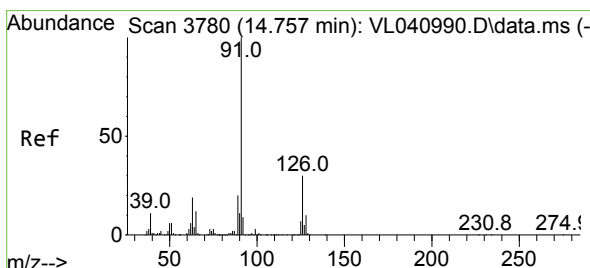
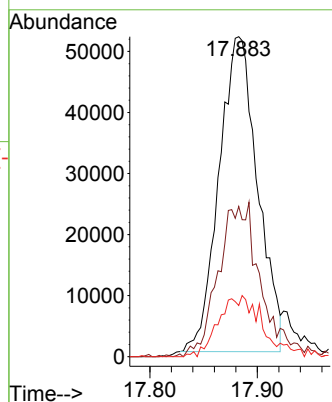
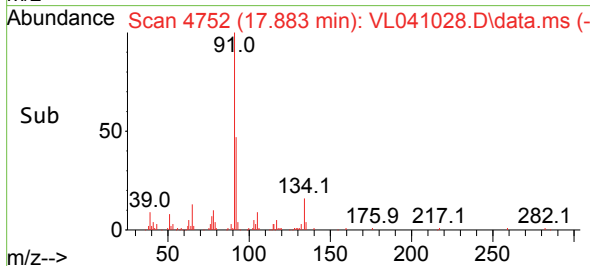


#70
n-Butylbenzene
Concen: 0.312 ppbv
RT: 17.883 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Instrument :
MSVOA_L
ClientSampleId :

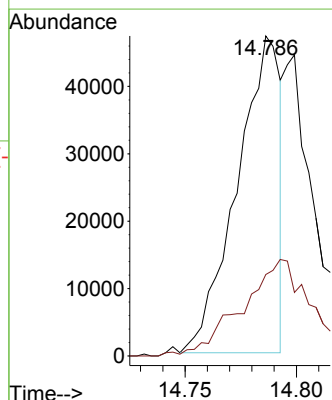
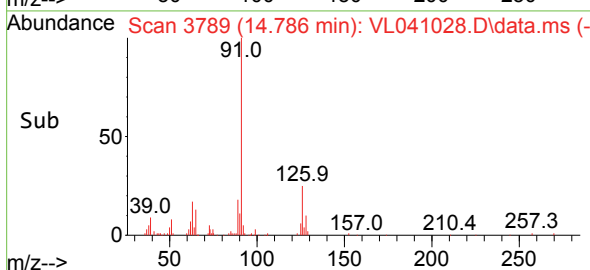
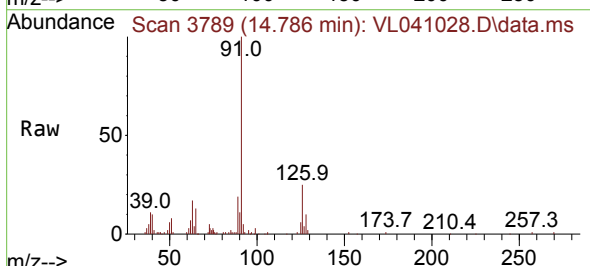


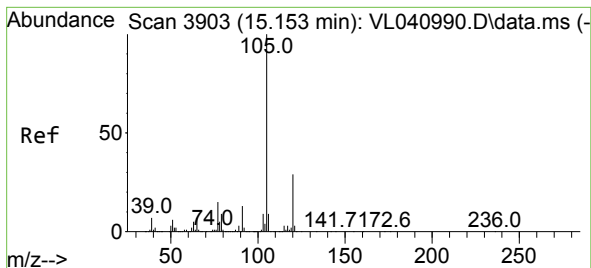
Tgt Ion: 91 Resp: 128645
Ion Ratio Lower Upper
91 100
92 54.0 43.4 65.0
134 22.4 17.4 26.0



#71
2-Chlorotoluene
Concen: 0.212 ppbv
RT: 14.786 min Scan# 3789
Delta R.T. -0.000 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion: 91 Resp: 63360
Ion Ratio Lower Upper
91 100
126 0.0 12.3 49.1#

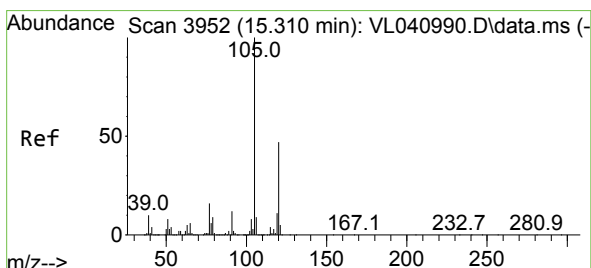
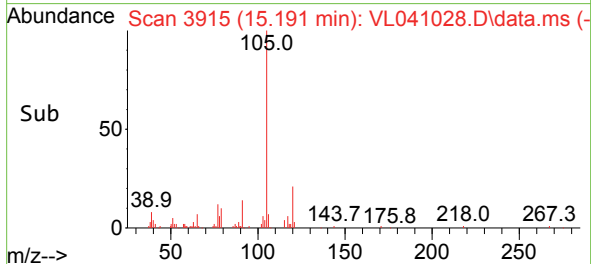
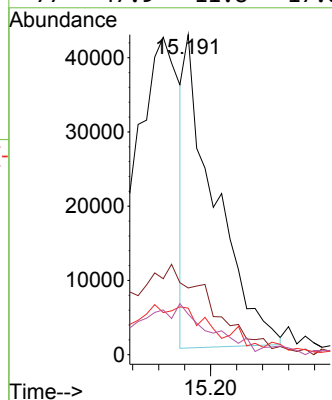
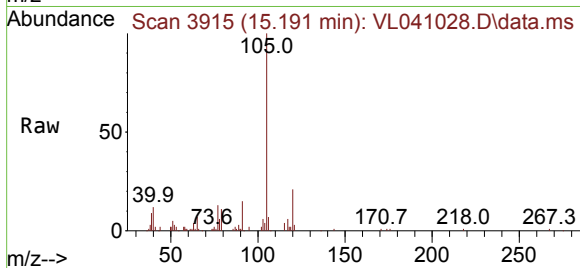




#72
4-Ethyltoluene
Concen: 0.115 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.016 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

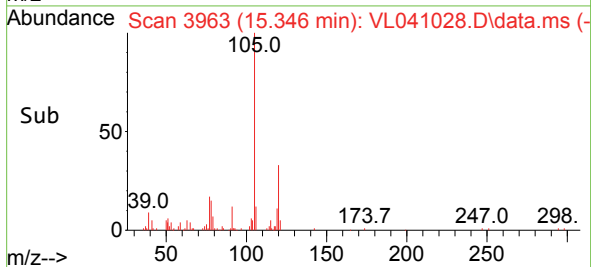
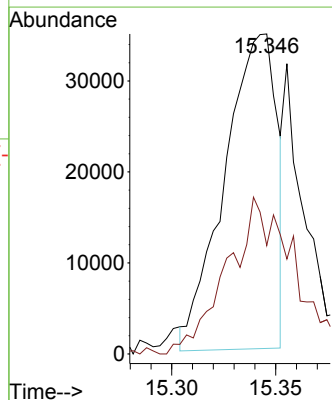
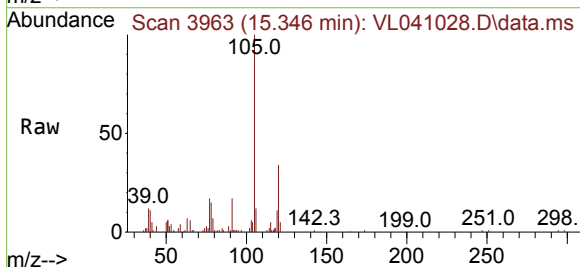
Instrument :
MSVOA_L
ClientSampleId :

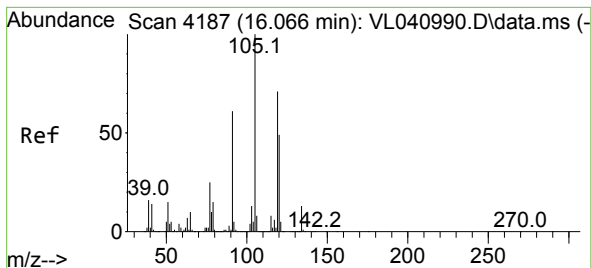
Tgt Ion:	105	Resp:	33567
Ion Ratio	Lower	Upper	
105	100		
120	86.9	24.3	36.5#
91	0.0	11.0	16.4#
77	47.9	11.8	17.8#



#73
1,3,5-Trimethylbenzene
Concen: 0.234 ppbv
RT: 15.346 min Scan# 3963
Delta R.T. 0.006 min
Lab File: VL041028.D
Acq: 25 Jan 2024 14:01

Tgt Ion:	105	Resp:	60668
Ion Ratio	Lower	Upper	
105	100		
120	34.0	37.2	55.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.194 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.000 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 57147

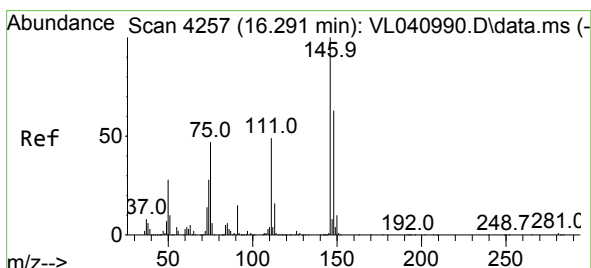
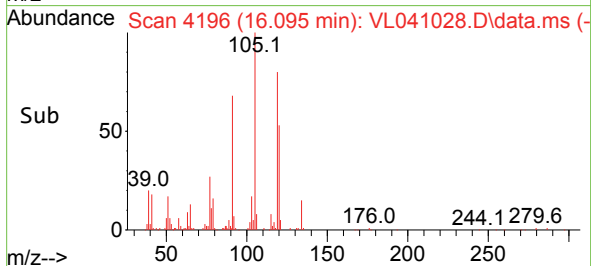
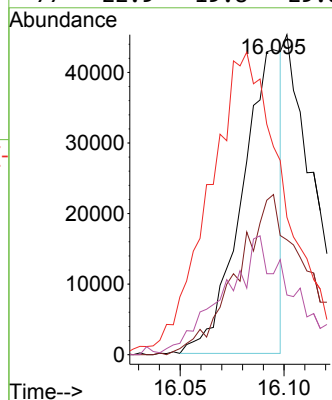
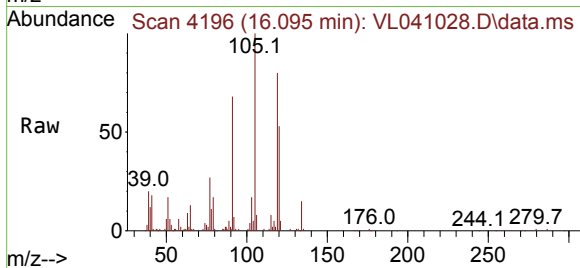
Ion Ratio Lower Upper

105 100

120 56.2 39.3 58.9

91 49.5 48.7 73.1

77 22.9 19.8 29.8



#75

1,3-Dichlorobenzene

Concen: 0.254 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. 0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

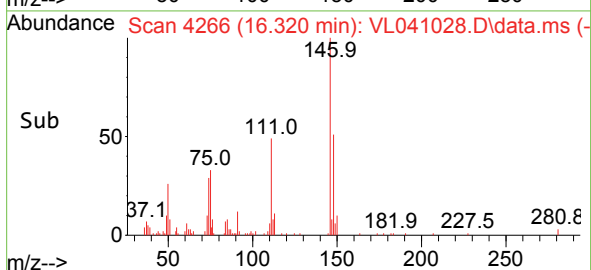
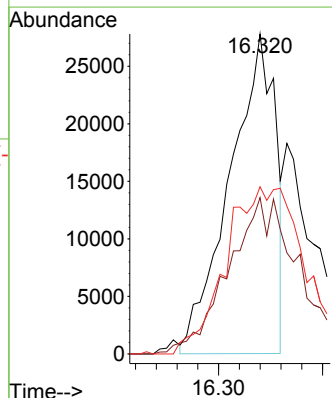
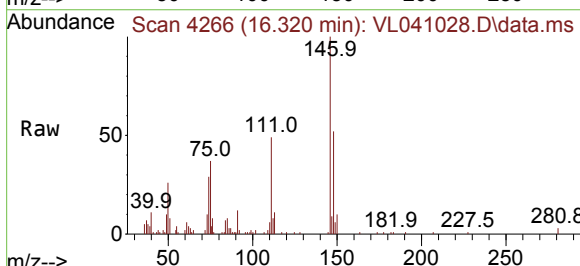
Tgt Ion:146 Resp: 42462

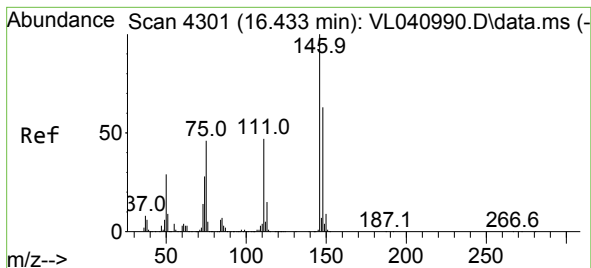
Ion Ratio Lower Upper

146 100

111 80.5 24.4 73.2#

148 100.0 32.5 97.4#





#76

1,4-Dichlorobenzene

Concen: 0.167 ppbv

RT: 16.458 min Scan# 41

Delta R.T. -0.000 min

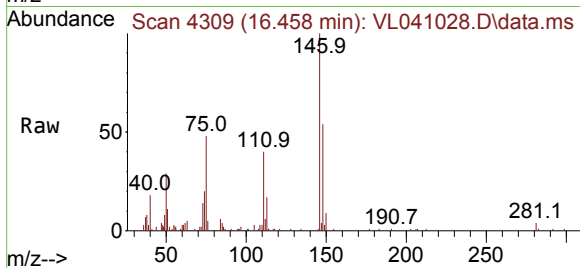
Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

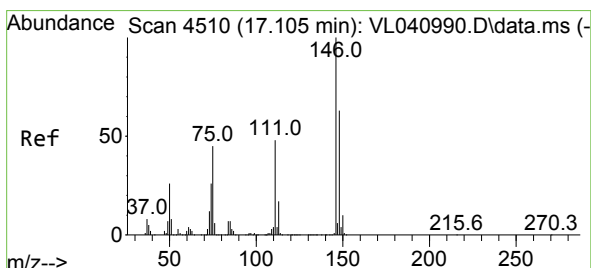
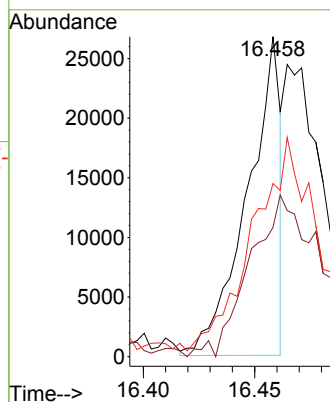
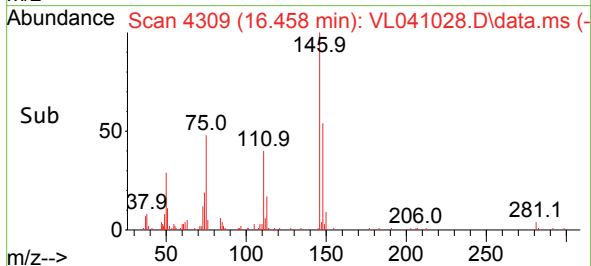
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	146	Resp:	27633
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.0	72.0#
148	0.0	32.9	98.7#



#77

1,2-Dichlorobenzene

Concen: 0.238 ppbv

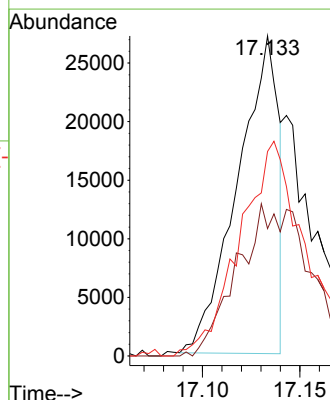
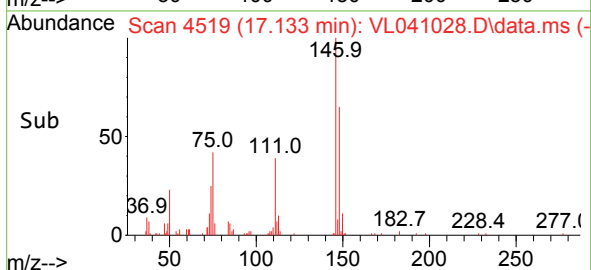
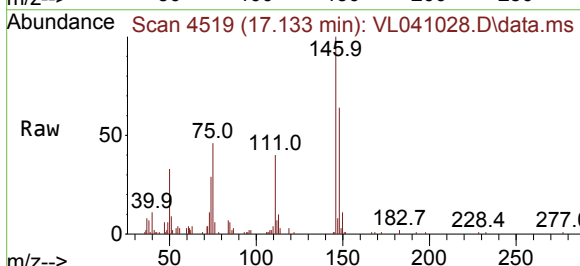
RT: 17.133 min Scan# 4519

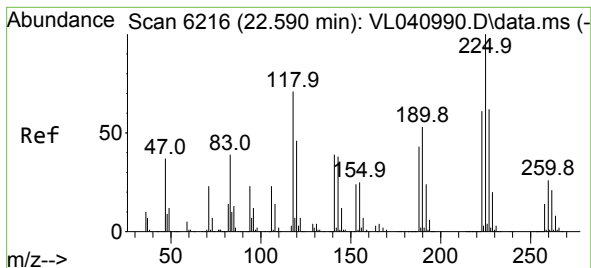
Delta R.T. 0.006 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Tgt Ion:	146	Resp:	39549
Ion Ratio	Lower	Upper	
146	100		
111	90.6	24.8	74.3#
148	112.6	31.8	95.3#





#78

Hexachloro-1,3-Butadiene

Concen: 0.170 ppbv

RT: 22.619 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

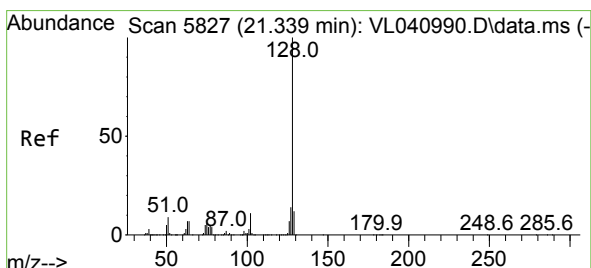
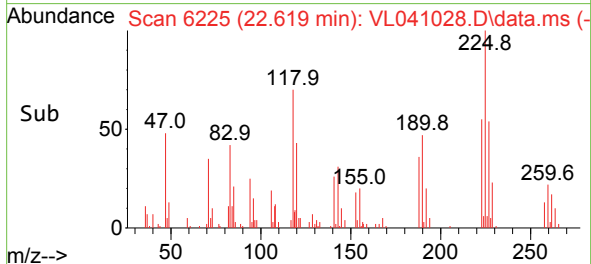
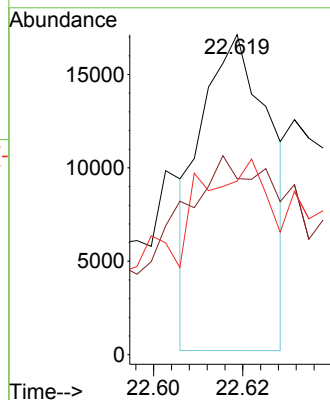
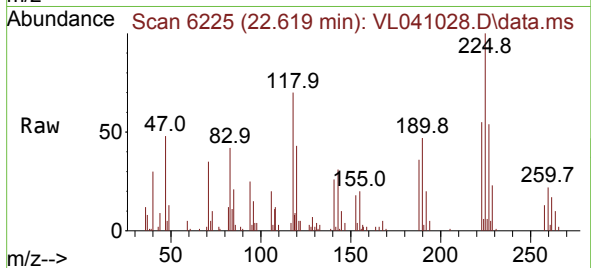
Tgt Ion:225 Resp: 18254

Ion Ratio Lower Upper

225 100

223 170.1 51.1 76.7#

227 170.8 51.0 76.4#



#79

Naphthalene

Concen: 0.108 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.016 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

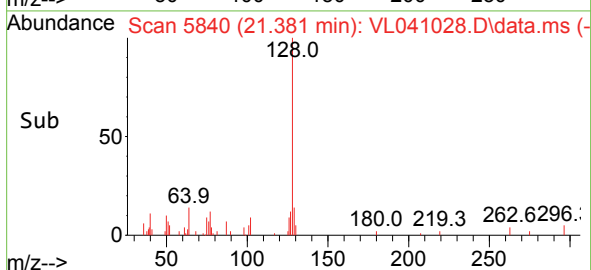
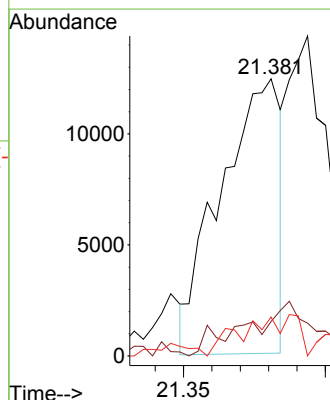
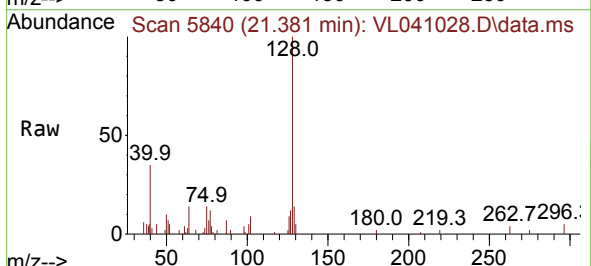
Tgt Ion:128 Resp: 18149

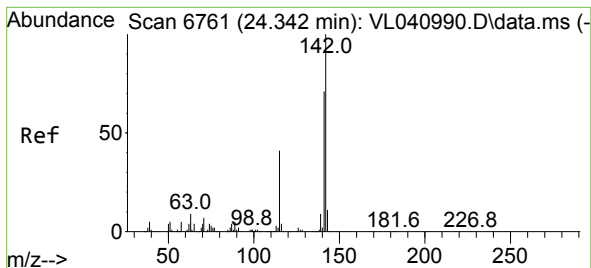
Ion Ratio Lower Upper

128 100

127 14.1 10.9 16.3

129 13.6 9.3 13.9





#80

Naphthalene, 2-methyl-

Concen: 0.069 ppbv

RT: 24.410 min Scan# 61

Delta R.T. 0.048 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Instrument :

MSVOA_L

ClientSampleId :

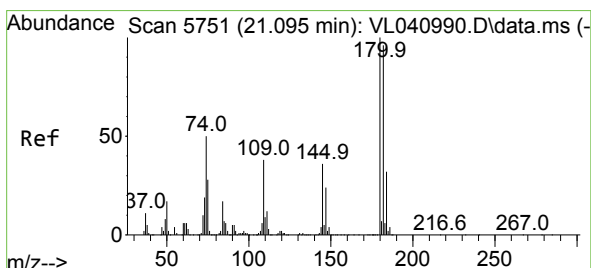
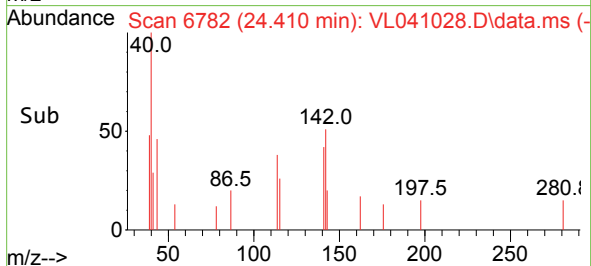
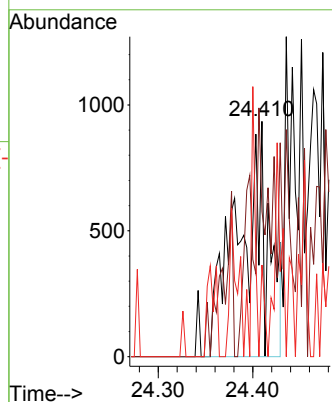
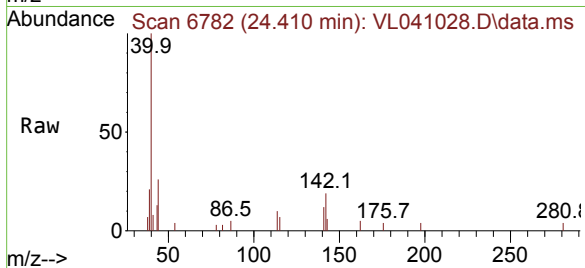
Tgt Ion:142 Resp: 2033

Ion Ratio Lower Upper

142 100

141 111.8 62.7 94.1#

115 40.0 34.0 51.0



#81

1,2,4-Trichlorobenzene

Concen: 0.039 ppbv

RT: 21.124 min Scan# 5760

Delta R.T. 0.003 min

Lab File: VL041028.D

Acq: 25 Jan 2024 14:01

Tgt Ion:180 Resp: 3790

Ion Ratio Lower Upper

180 100

182 0.0 78.6 118.0#

184 0.0 24.4 36.6#

