

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041451.D
 Acq On : 30 Jul 2024 5:53
 Operator : SY/MD
 Sample : P3342-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 06:50:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1087417	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.658	114	2933912	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.468	117	3497093	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2224908	8.267	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.739	85	1662419	8.886	ppbv	99
3) Chlorodifluoromethane	2.684	51	1324820	10.234	ppbv	99
4) Chloromethane	2.822	50	678091	9.848	ppbv	96
5) Vinyl Chloride	2.928	62	692298	10.201	ppbv	99
6) Bromomethane	3.128	94	374301	10.731	ppbv	100
7) Chloroethane	3.208	64	233985	9.990	ppbv	98
8) Dichlorotetrafluoroethane	2.867	85	1658238	10.004	ppbv	99
9) Propene	2.703	41	569717	9.580	ppbv	96
10) Heptane	7.584	43	1445417	10.818	ppbv	99
11) Trichlorofluoromethane	3.568	101	1643874	9.895	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1172144	9.798	ppbv	99
13) Ethanol	3.247	45	102785	19.338	ppbv	95
14) Bromoethene	3.372	108	487521	10.453	ppbv	99
15) Acetone	3.475	43	1248471	10.105	ppbv	100
16) 1,3-Butadiene	2.993	39	676568	10.249	ppbv	99
17) tert-Butyl alcohol	3.883	59	1226932	10.888	ppbv	100
18) 1,1-Dichloroethene	3.886	96	541579	10.583	ppbv	98
19) Isopropyl Alcohol	3.578	45	792774	10.975	ppbv	# 98
20) Methylene Chloride	3.938	84	424327	9.210	ppbv	97
21) Allyl Chloride	4.002	41	842641	10.399	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	537023	10.495	ppbv	99
23) Vinyl Acetate	4.629	43	1201242	12.730	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1124344	10.120	ppbv	99
25) Ethyl Acetate	5.208	43	2583995	10.527	ppbv	99
26) Hexane	5.218	57	1081565	10.622	ppbv	99
27) Carbon Disulfide	4.131	76	1248403	10.480	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	666333	10.377	ppbv	99
29) Chloroform	5.279	83	1658023	9.983	ppbv	98
30) Cyclohexane	6.607	84	922089	11.121	ppbv	99
31) cis-1,2-Dichloroethene	5.082	61	1083458	10.771	ppbv	97
32) 1,1,1-Trichloroethane	6.008	97	1630801	10.087	ppbv	100
34) 2-Butanone	4.790	43	1573071	11.084	ppbv	100
35) Carbon Tetrachloride	6.497	117	1699996	10.505	ppbv	99
36) Benzene	6.375	78	2291201	10.687	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1278729	10.657	ppbv	100
38) Trichloroethene	7.295	130	918161	9.349	ppbv	99
39) 1,2-Dichloropropane	7.076	63	883077	10.759	ppbv	98
40) 1,4-Dioxane	7.288	88	360687	10.940	ppbv	# 1
41) Tetrahydrofuran	5.558	42	942496	11.611	ppbv	98
42) Bromodichloromethane	7.253	83	1813213	10.465	ppbv	100
43) Methyl Methacrylate	7.478	69	931397	12.116	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3820922	10.671	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	969920	13.707	ppbv	97

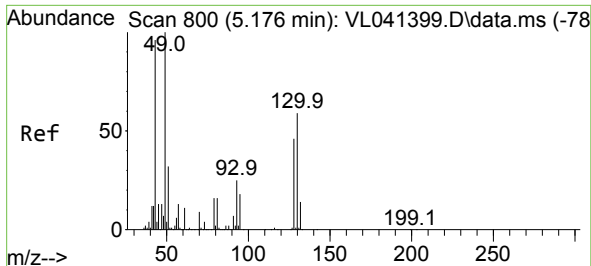
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
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 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1278187	12.509	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	946404	10.461	ppbv	97
48) Dibromochloromethane	9.713	129	1546200	10.609	ppbv	100
49) Bromoform	12.410	173	1345365	10.928	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2513869	11.227	ppbv	100
51) 2-Hexanone	9.552	43	2068628	12.218	ppbv	99
52) Tetrachloroethene	10.619	164	866465	10.460	ppbv	98
53) Toluene	9.224	91	2677820	11.214	ppbv	99
54) 1,2-Dibromoethane	10.012	107	1365337	11.338	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	1147986	8.465	ppbv #	57
57) Chlorobenzene	11.529	112	2045170	8.214	ppbv	99
58) Ethyl Benzene	12.089	91	3556161	8.823	ppbv	98
59) m/p-Xylene	12.372	91	3227703	9.276	ppbv #	41
60) o-Xylene	13.060	91	2869292	8.717	ppbv	100
61) Styrene	12.896	104	1434805	9.662	ppbv	99
62) Isopropylbenzene	14.031	105	4254832	8.503	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1969599	9.476	ppbv	100
64) n-propylbenzene	14.915	120	1141368	8.725	ppbv	98
65) tert-Butylbenzene	16.092	119	3795661	8.398	ppbv	100
66) Benzyl Chloride	16.330	91	398798	13.757	ppbv	99
67) sec-Butylbenzene	16.635	105	5294473	8.502	ppbv	100
69) p-Isopropyltoluene	16.995	119	4472637	8.656	ppbv	100
70) n-Butylbenzene	17.886	91	4600232	8.684	ppbv	99
71) 2-Chlorotoluene	14.802	91	3203497	8.681	ppbv	99
72) 4-Ethyltoluene	15.195	105	3451450	8.907	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2931715	8.782	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	3240681	8.350	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	2016144	8.264	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1990201	8.424	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1948658	8.057	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1583638	7.678	ppbv	100
79) Naphthalene	21.381	128	3554648	10.376	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1675218	5.834	ppbv	99
81) 1,2,4-Trichlorobenzene	21.136	180	1866215	9.154	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.195 min Scan# 80

Delta R.T. 0.016 min

Lab File: VL041451.D

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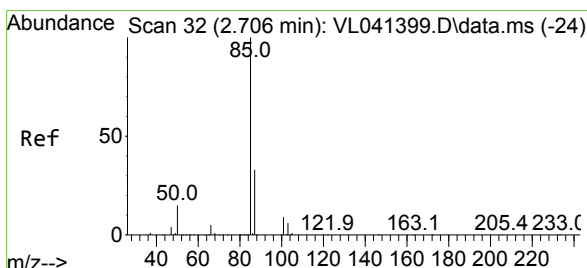
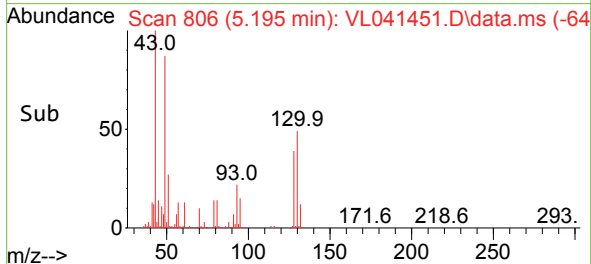
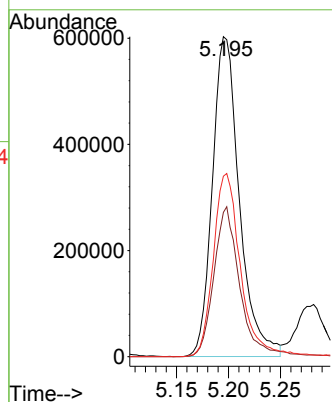
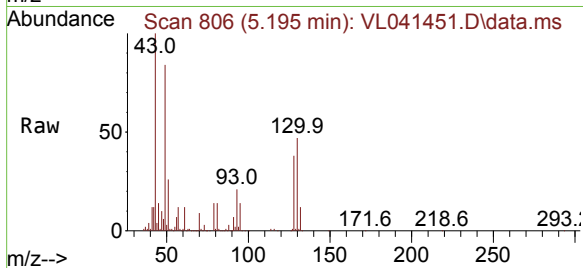
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 49 Resp: 1087417

Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.8	71.4
130	58.7	30.8	92.4



#2

Dichlorodifluoromethane

Concen: 8.886 ppbv

RT: 2.739 min Scan# 42

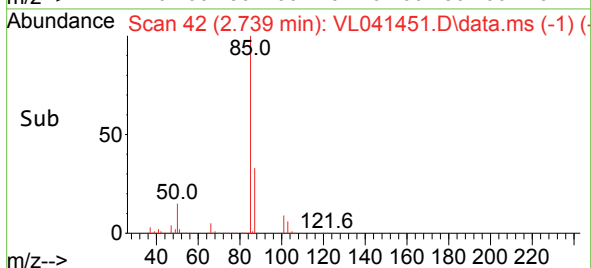
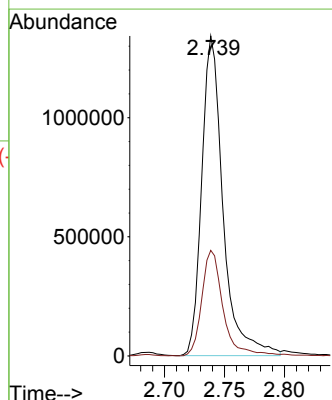
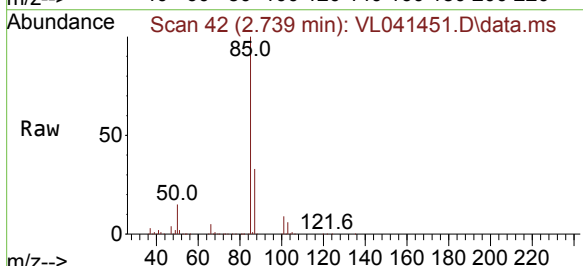
Delta R.T. 0.029 min

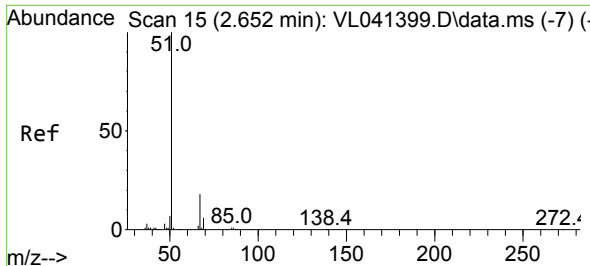
Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Tgt Ion: 85 Resp: 1662419

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.0	39.0

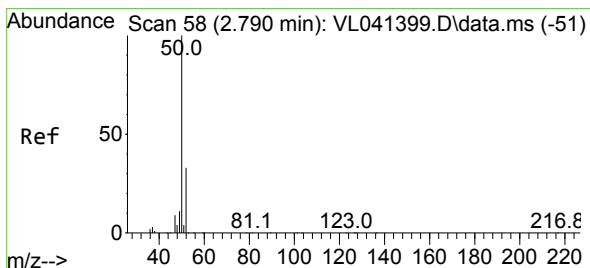
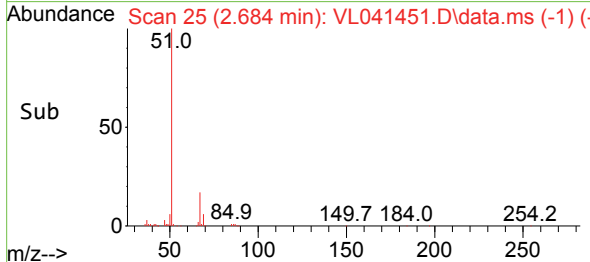
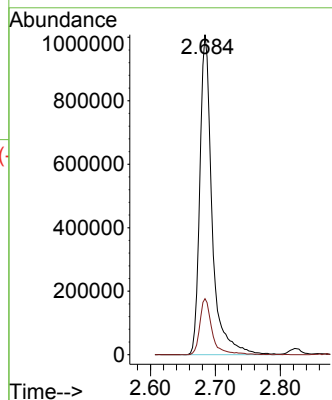
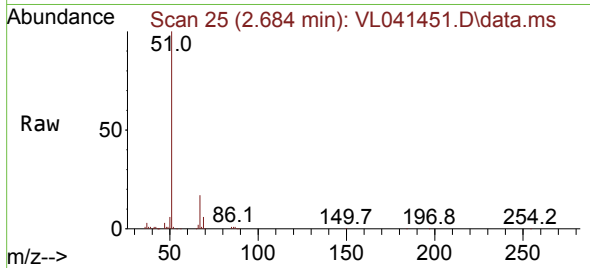




#3
Chlorodifluoromethane
Concen: 10.234 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

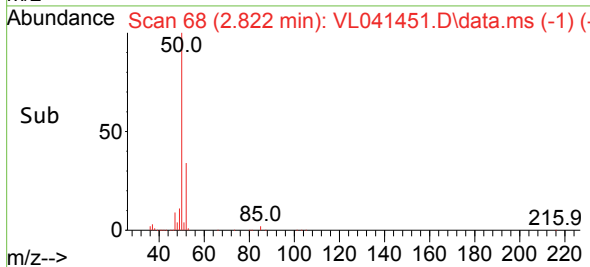
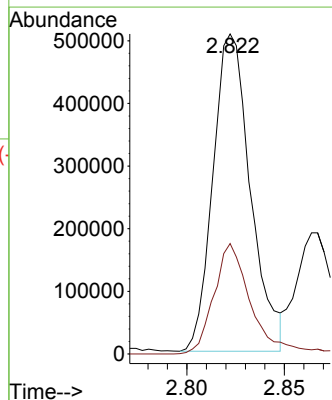
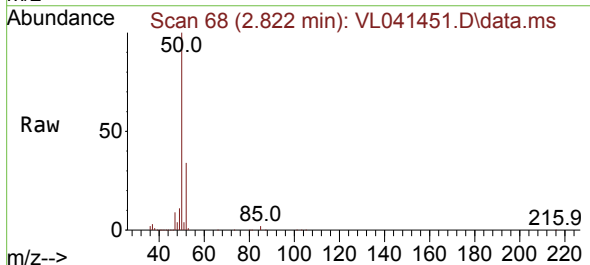
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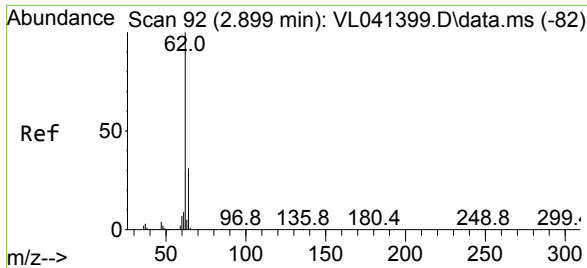
Tgt Ion: 51 Resp: 1324820
Ion Ratio Lower Upper
51 100
67 17.7 14.5 21.7



#4
Chloromethane
Concen: 9.848 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.029 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 50 Resp: 678091
Ion Ratio Lower Upper
50 100
52 34.7 26.1 39.1

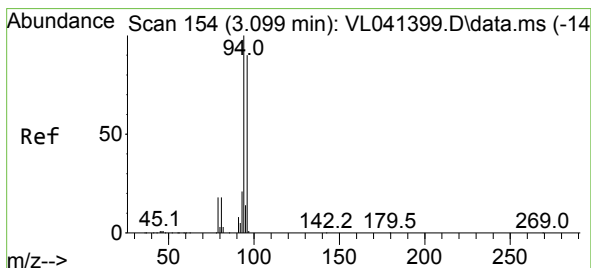
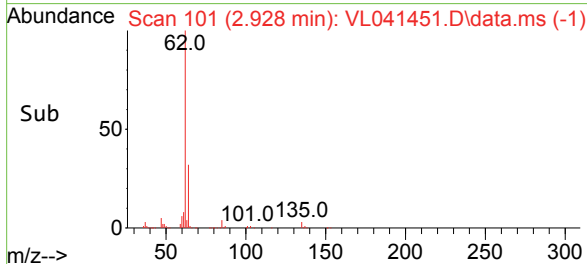
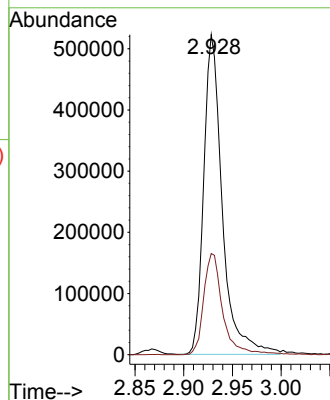
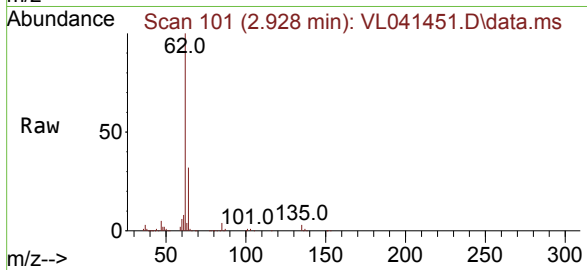




#5
 Vinyl Chloride
 Concen: 10.201 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.026 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

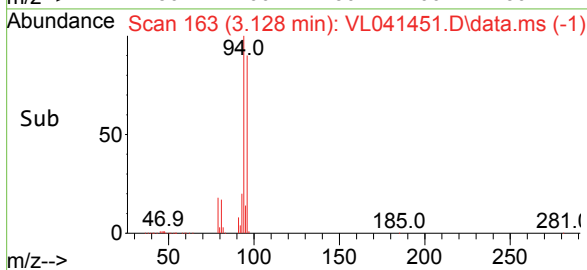
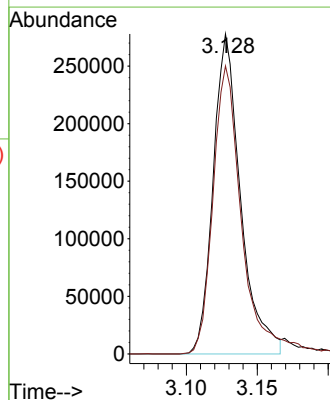
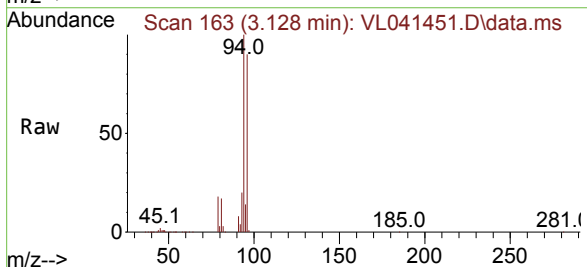
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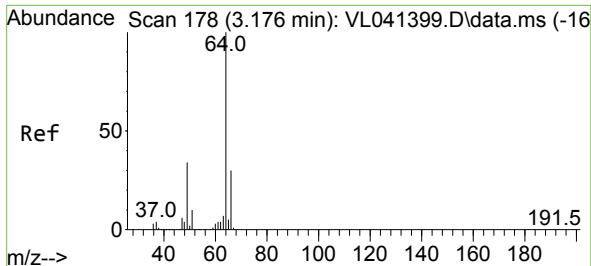
Tgt Ion: 62 Resp: 692298
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.0 37.4



#6
 Bromomethane
 Concen: 10.731 ppbv
 RT: 3.128 min Scan# 163
 Delta R.T. 0.026 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion: 94 Resp: 374301
 Ion Ratio Lower Upper
 94 100
 96 90.0 72.3 108.5

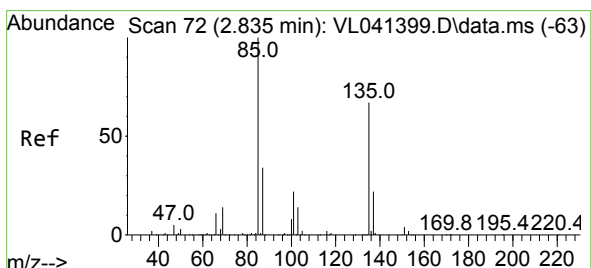
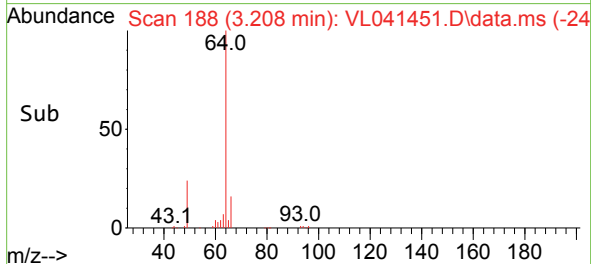
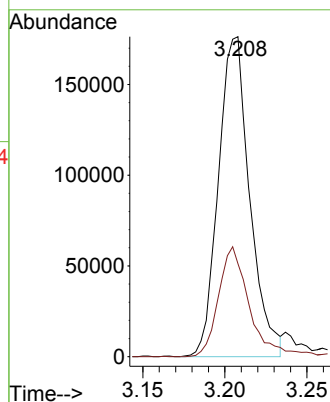
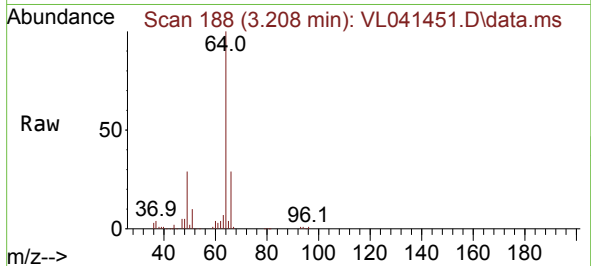




#7
Chloroethane
Concen: 9.990 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

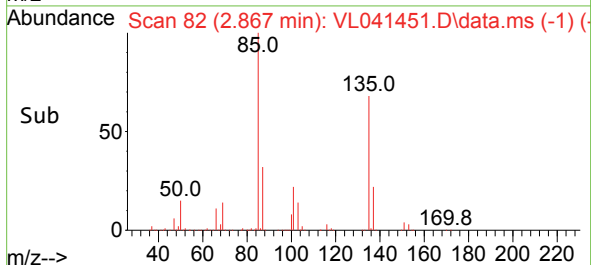
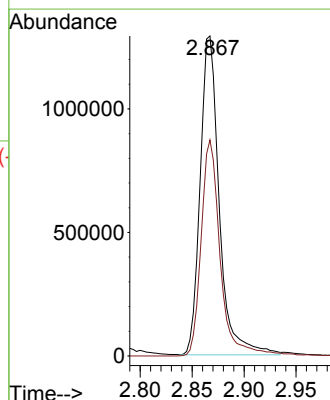
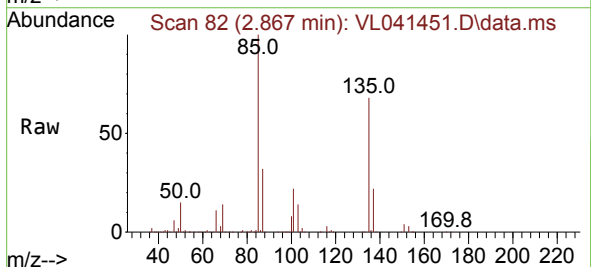
Instrument :
MSVOA_L
ClientSampleId :

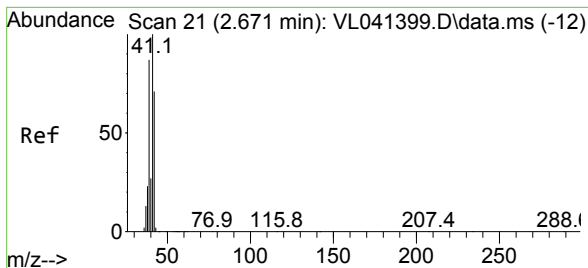
Tgt Ion: 64 Resp: 233985
Ion Ratio Lower Upper
64 100
66 29.1 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 10.004 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.029 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 85 Resp: 1658238
Ion Ratio Lower Upper
85 100
135 68.1 55.4 83.0





#9

Propene

Concen: 9.580 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.032 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

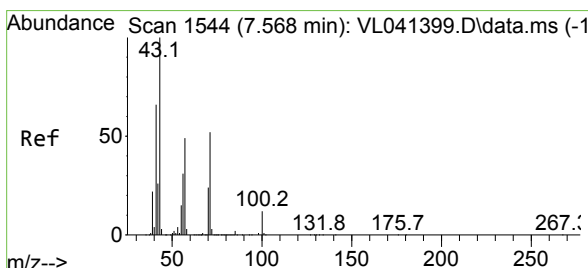
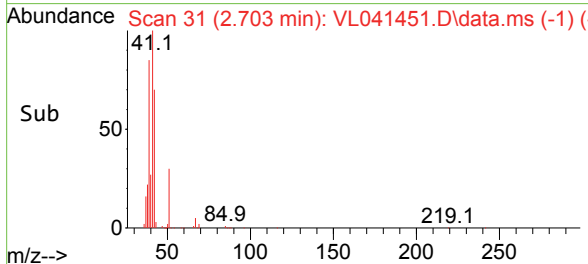
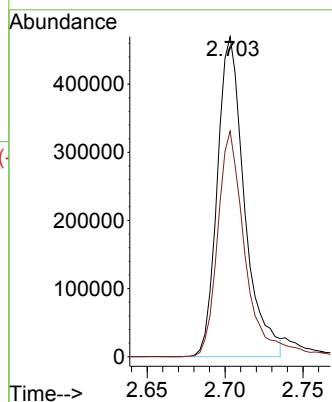
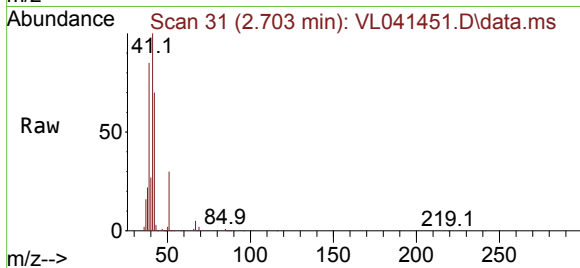
ClientSampleId :

Tgt Ion: 41 Resp: 569717

Ion Ratio Lower Upper

41 100

42 72.9 55.9 83.9



#10

Heptane

Concen: 10.818 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.013 min

Lab File: VL041451.D

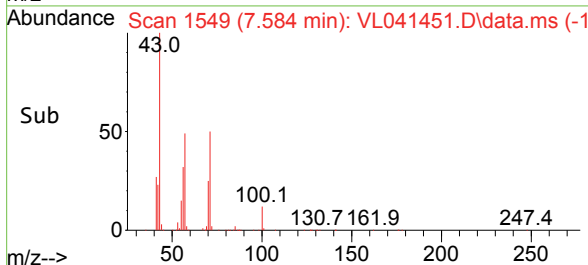
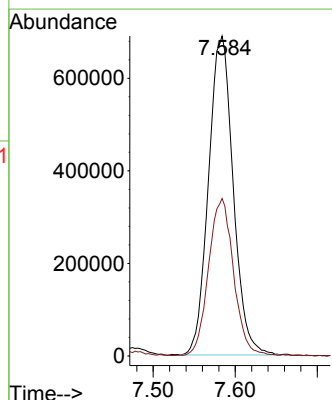
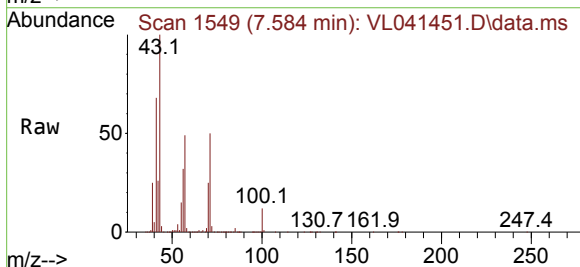
Acq: 30 Jul 2024 5:53

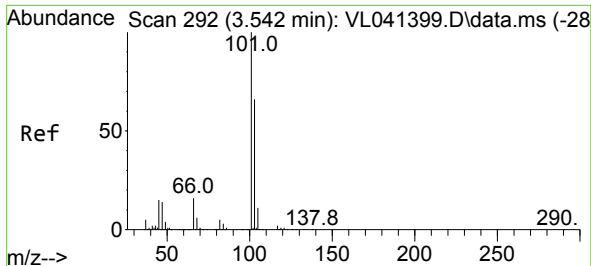
Tgt Ion: 43 Resp: 1445417

Ion Ratio Lower Upper

43 100

57 50.2 40.5 60.7

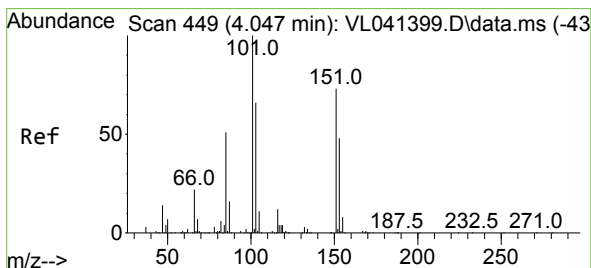
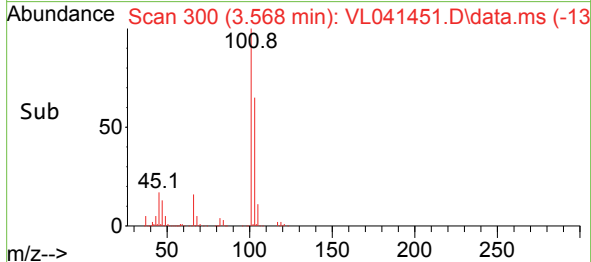
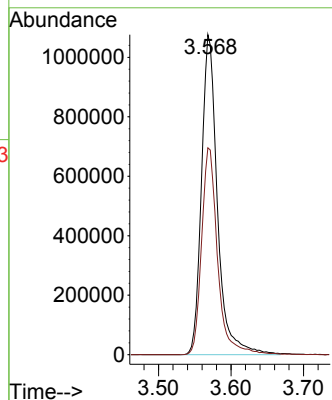
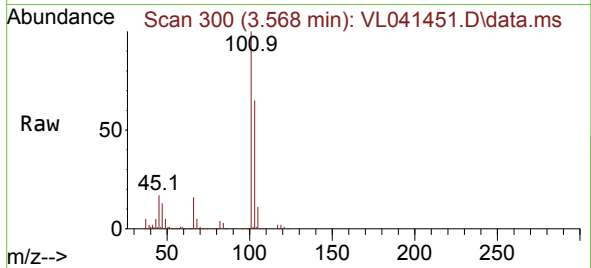




#11
 Trichlorofluoromethane
 Concen: 9.895 ppbv
 RT: 3.568 min Scan# 30
 Delta R.T. 0.023 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

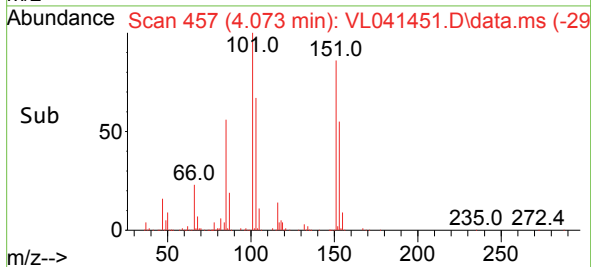
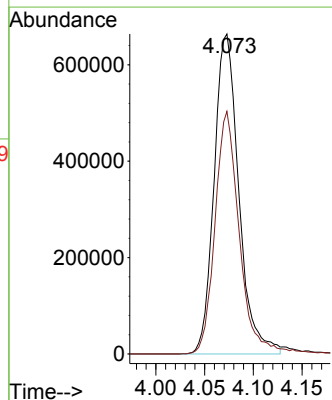
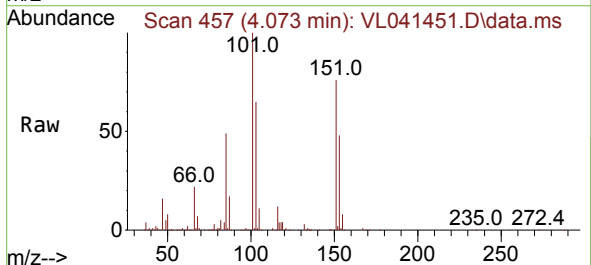
Instrument :
 MSVOA_L
 ClientSampleId :

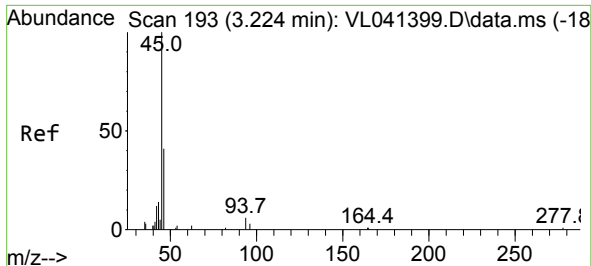
Tgt Ion:101 Resp: 1643874
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.798 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.023 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion:101 Resp: 1172144
 Ion Ratio Lower Upper
 101 100
 151 75.1 59.4 89.2

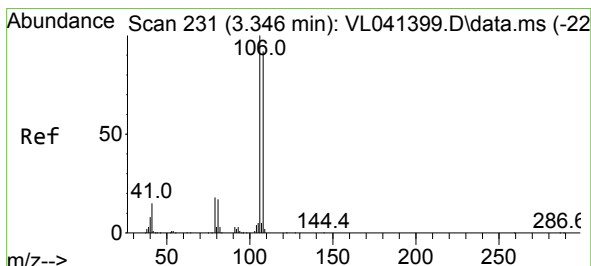
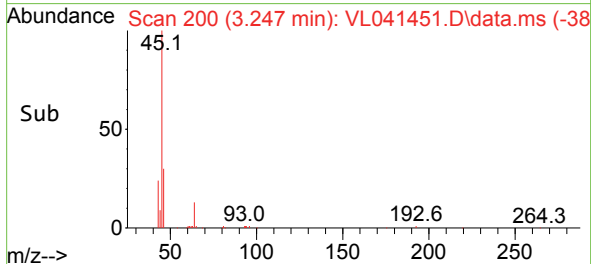
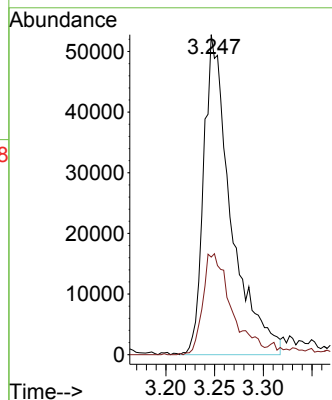
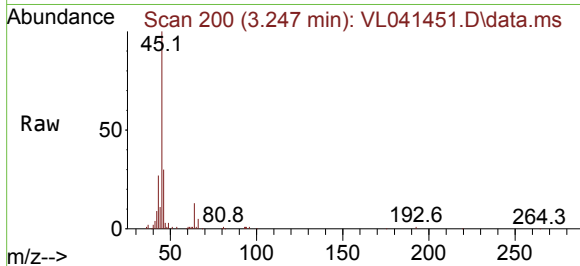




#13
Ethanol
Concen: 19.338 ppbv
RT: 3.247 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

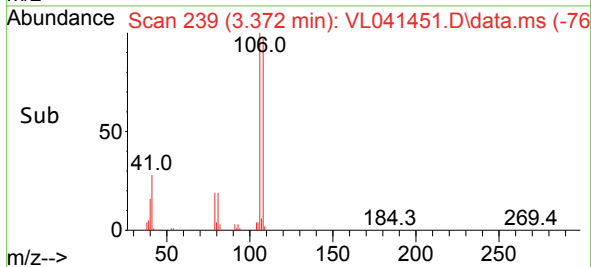
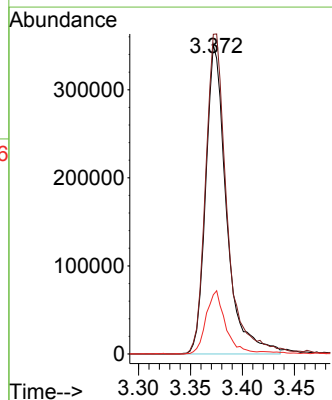
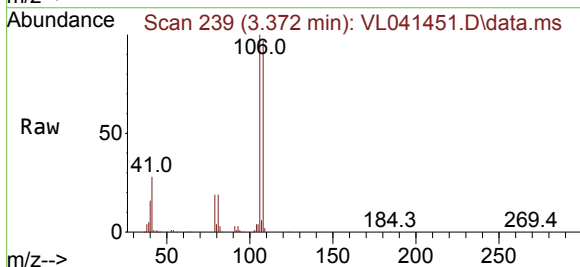
Instrument :
MSVOA_L
ClientSampleId :

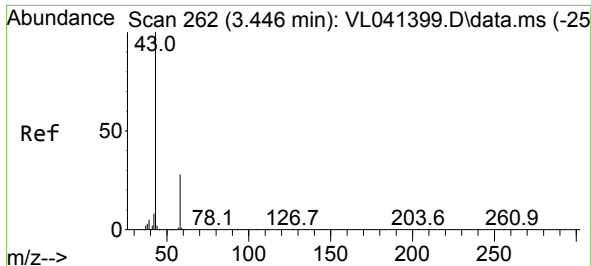
Tgt Ion: 45 Resp: 102785
Ion Ratio Lower Upper
45 100
46 36.0 13.4 53.4



#14
Bromoethene
Concen: 10.453 ppbv
RT: 3.372 min Scan# 239
Delta R.T. 0.023 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion:108 Resp: 487521
Ion Ratio Lower Upper
108 100
106 107.7 86.9 130.3
79 20.5 16.2 24.4





#15

Acetone

Concen: 10.105 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

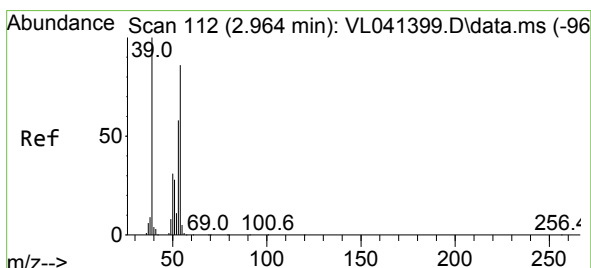
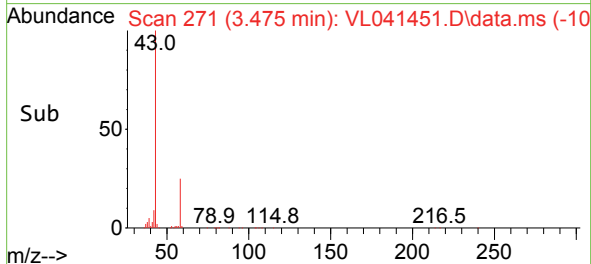
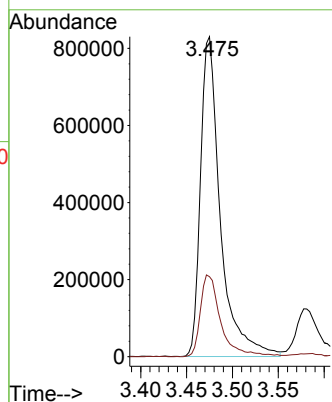
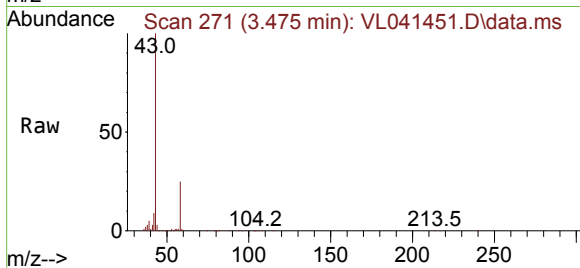
ClientSampleId :

Tgt Ion: 43 Resp: 1248471

Ion Ratio Lower Upper

43 100

58 26.5 21.4 32.2



#16

1,3-Butadiene

Concen: 10.249 ppbv

RT: 2.993 min Scan# 121

Delta R.T. 0.026 min

Lab File: VL041451.D

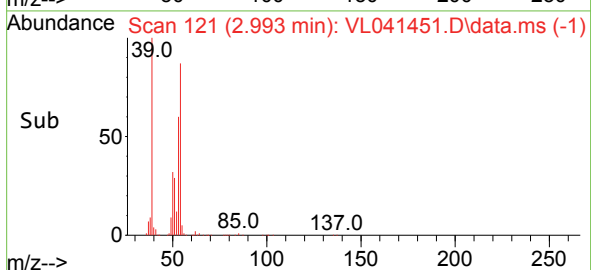
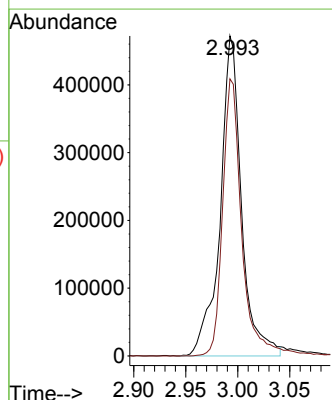
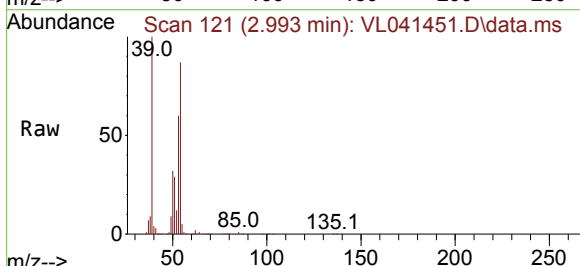
Acq: 30 Jul 2024 5:53

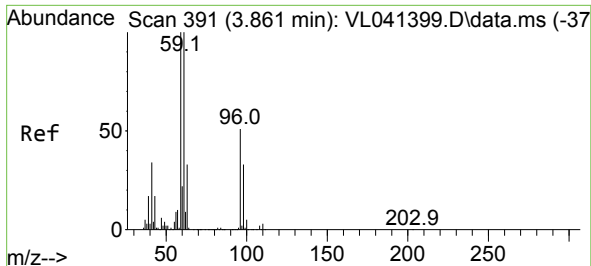
Tgt Ion: 39 Resp: 676568

Ion Ratio Lower Upper

39 100

54 78.7 62.5 93.7





#17

tert-Butyl alcohol

Concen: 10.888 ppbv

RT: 3.883 min Scan# 391

Delta R.T. 0.023 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

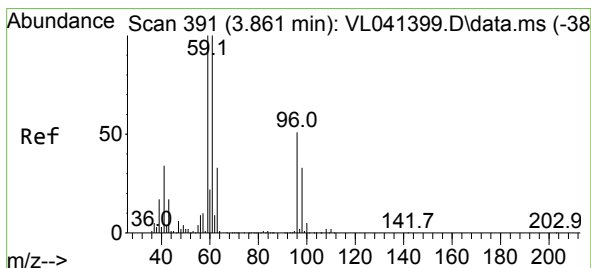
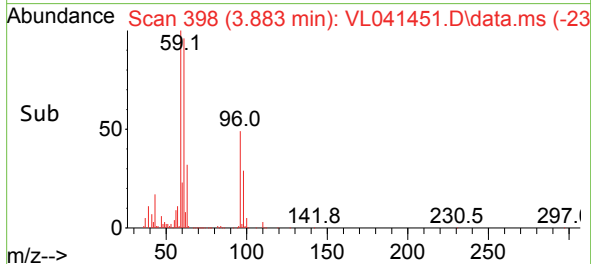
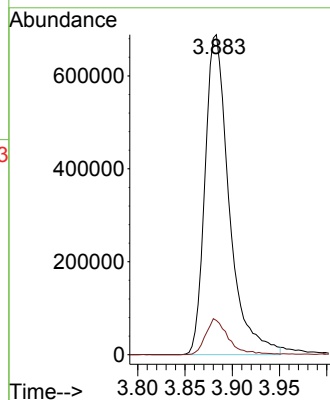
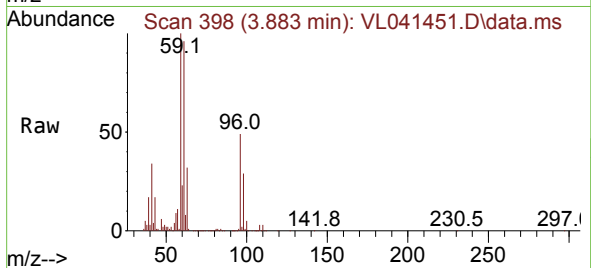
ClientSampleId :

Tgt Ion: 59 Resp: 1226932

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 10.583 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.019 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

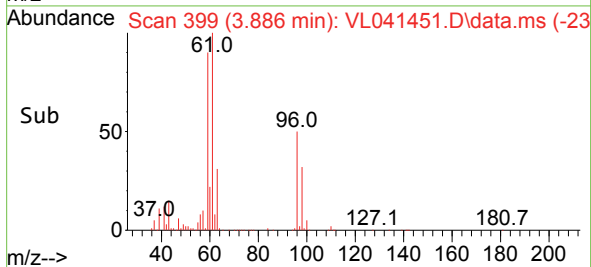
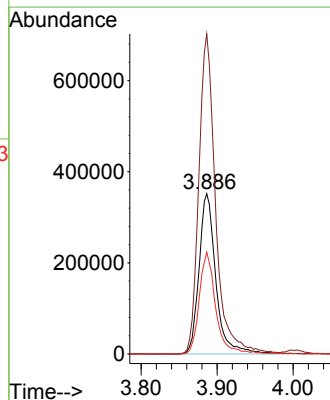
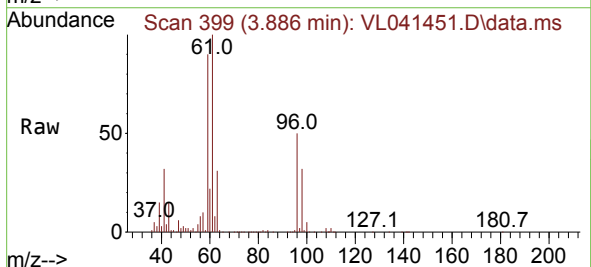
Tgt Ion: 96 Resp: 541579

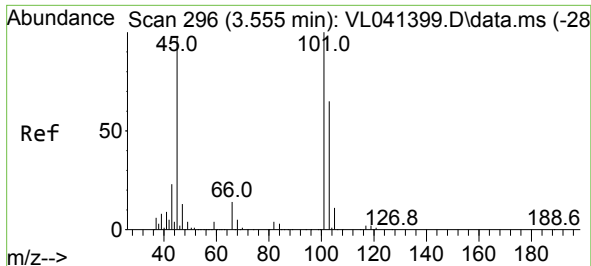
Ion Ratio Lower Upper

96 100

61 199.7 157.5 236.3

98 63.5 51.2 76.8





#19

Isopropyl Alcohol

Concen: 10.975 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.016 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

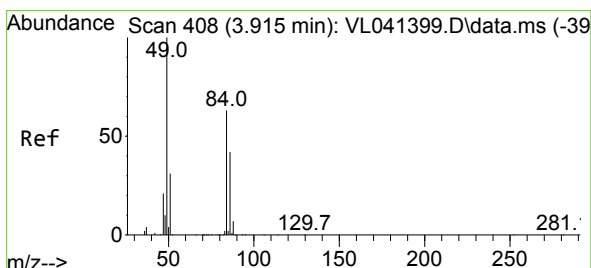
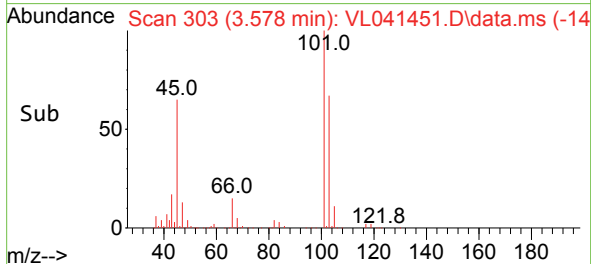
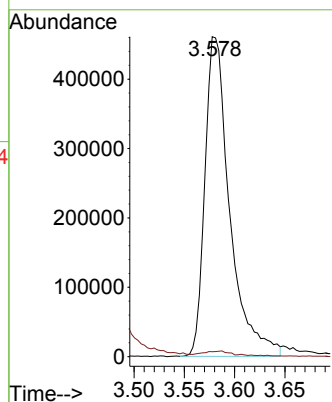
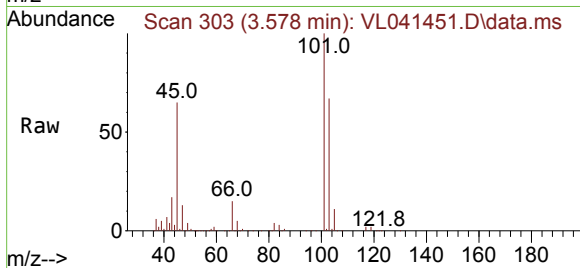
ClientSampleId :

Tgt Ion: 45 Resp: 792774

Ion Ratio Lower Upper

45 100

58 3.1 1.9 2.9#



#20

Methylene Chloride

Concen: 9.210 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.019 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Tgt Ion: 84 Resp: 424327

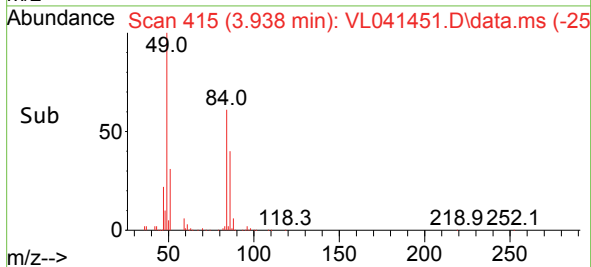
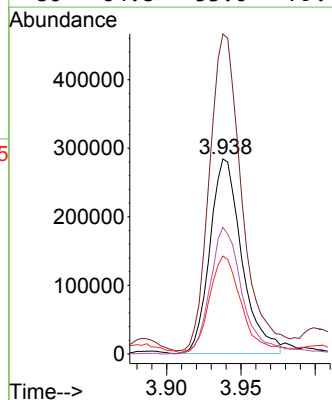
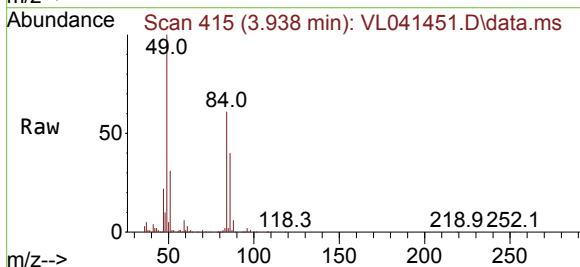
Ion Ratio Lower Upper

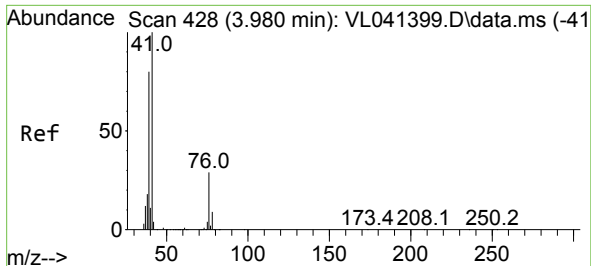
84 100

49 162.7 126.6 190.0

51 49.7 38.6 58.0

86 64.8 53.0 79.4

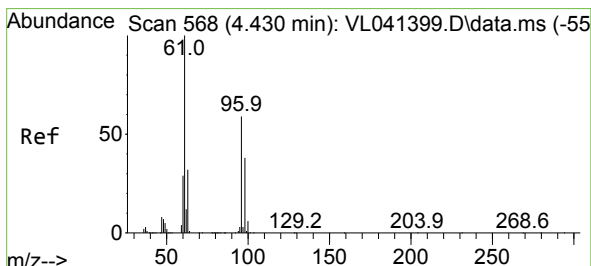
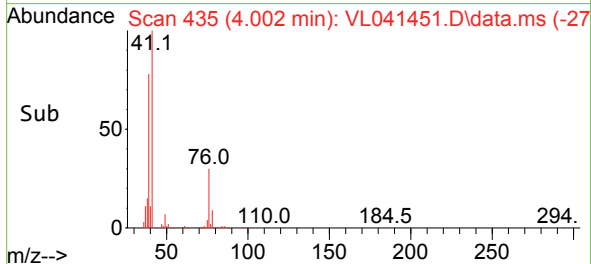
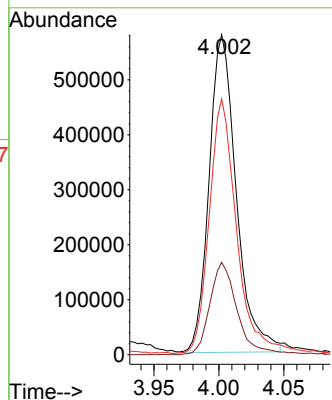
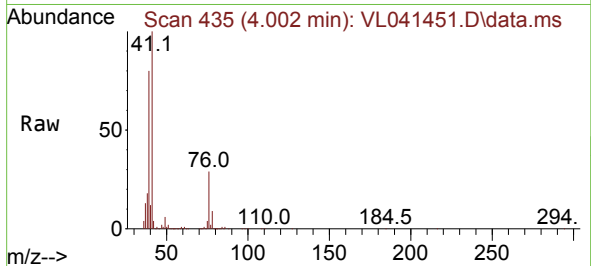




#21
 Allyl Chloride
 Concen: 10.399 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

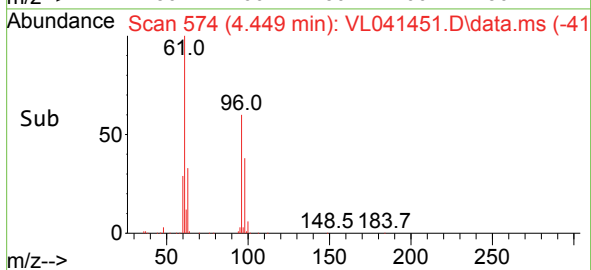
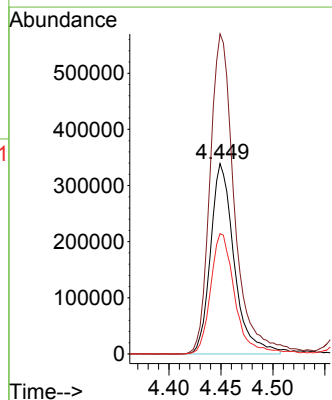
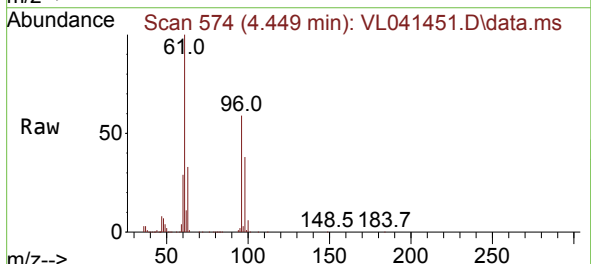
Instrument :
 MSVOA_L
 ClientSampleId :

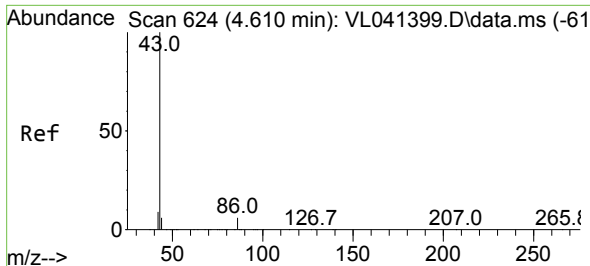
Tgt Ion: 41 Resp: 842641
 Ion Ratio Lower Upper
 41 100
 76 29.4 23.7 35.5
 39 81.0 64.3 96.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.495 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. 0.019 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

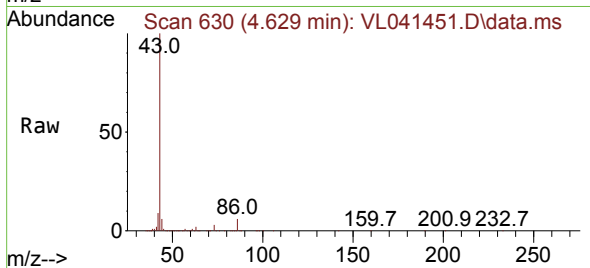
Tgt Ion: 96 Resp: 537023
 Ion Ratio Lower Upper
 96 100
 61 168.1 135.4 203.2
 98 63.2 51.0 76.4





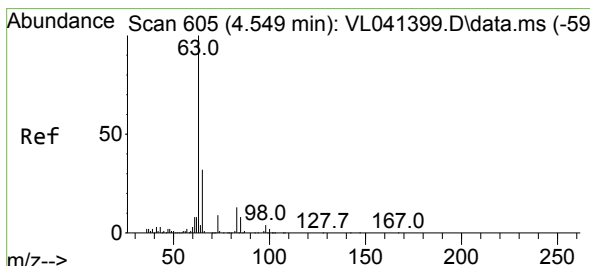
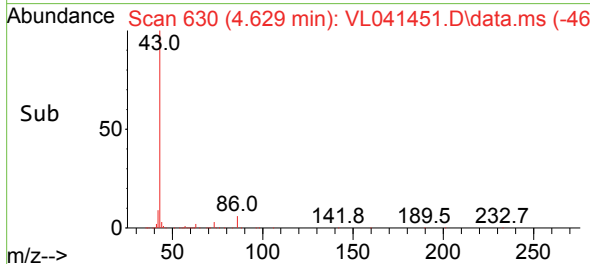
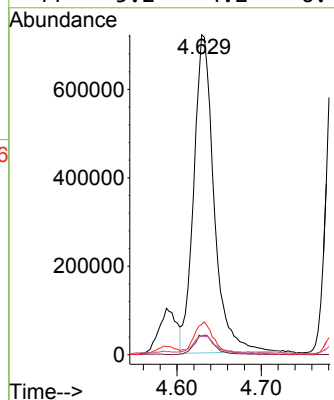
#23
 Vinyl Acetate
 Concen: 12.730 ppbv
 RT: 4.629 min Scan# 611
 Delta R.T. 0.016 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1201242

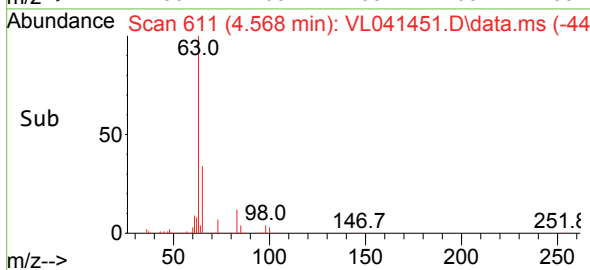
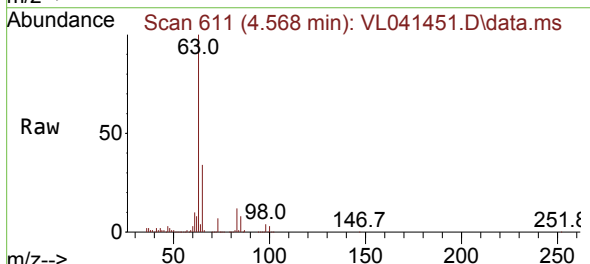
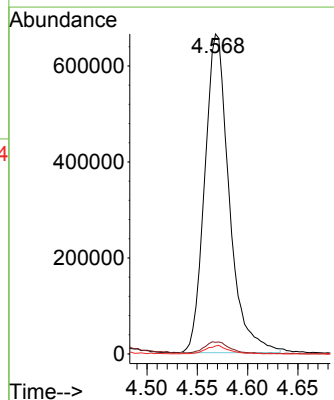
Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.6	6.8
42	9.4	7.9	11.9
44	5.2	4.2	6.4

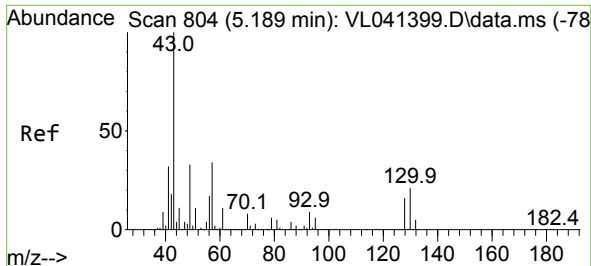


#24
 1,1-Dichloroethane
 Concen: 10.120 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.019 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion: 63 Resp: 1124344

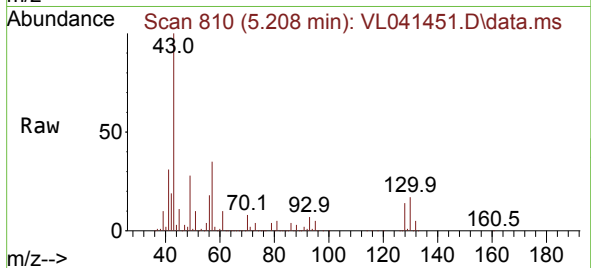
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.0	6.0
100	2.5	1.2	3.6





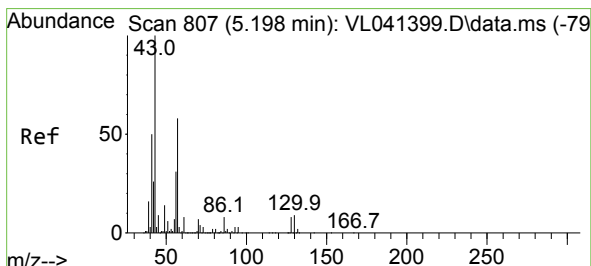
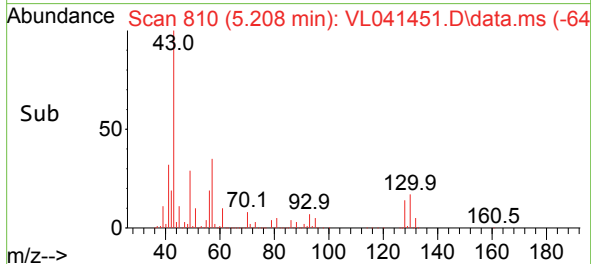
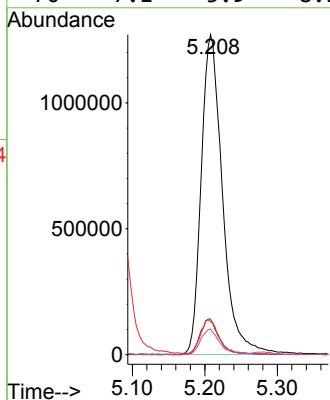
#25
Ethyl Acetate
Concen: 10.527 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.016 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 2583995

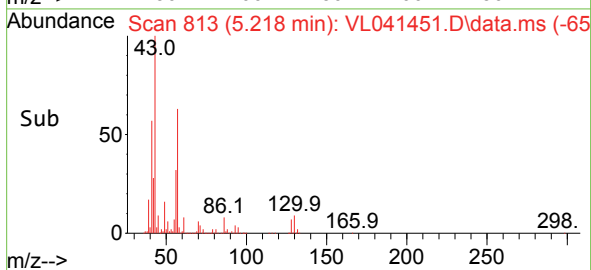
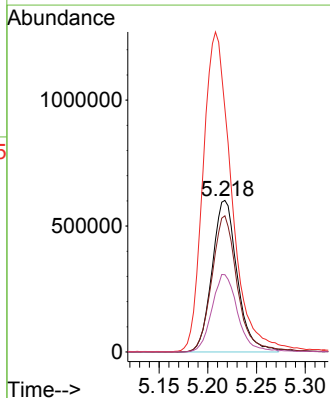
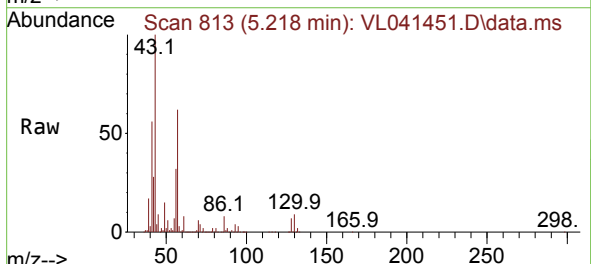
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	9.8	8.0	12.0
70	7.1	5.9	8.9

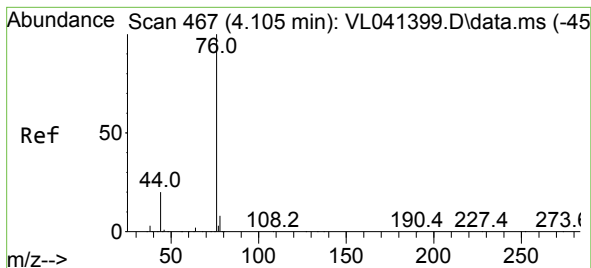


#26
Hexane
Concen: 10.622 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.019 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 57 Resp: 1081565

Ion	Ratio	Lower	Upper
57	100		
41	91.7	74.0	111.0
43	240.6	193.6	290.4
56	53.1	43.1	64.7





#27

Carbon Disulfide

Concen: 10.480 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.023 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

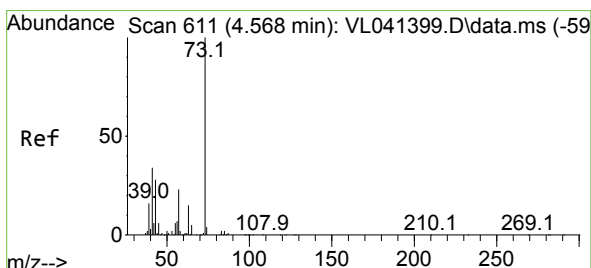
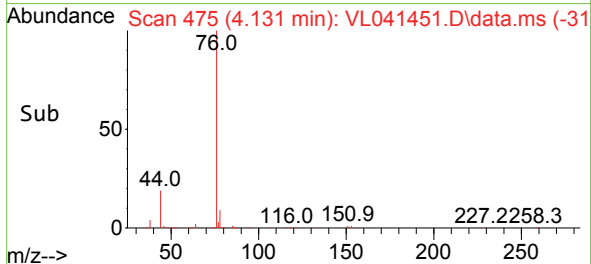
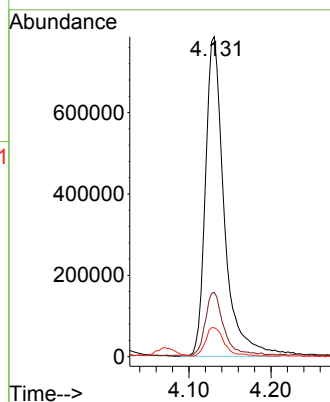
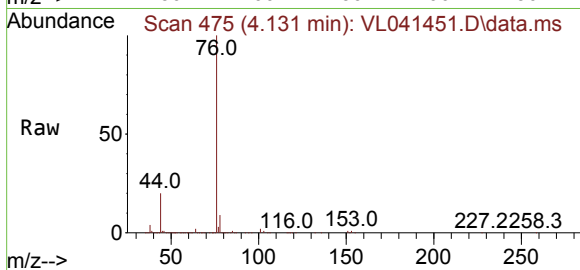
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76 Resp: 1248403

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.6	23.4
78	10.0	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 10.377 ppbv

RT: 4.591 min Scan# 618

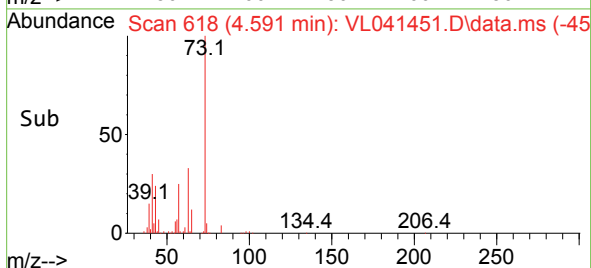
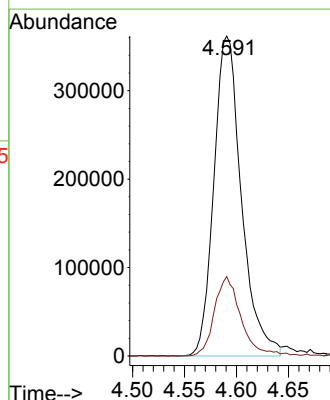
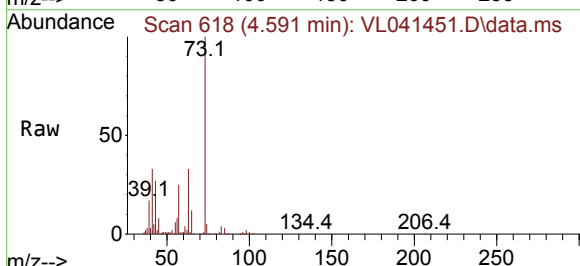
Delta R.T. 0.019 min

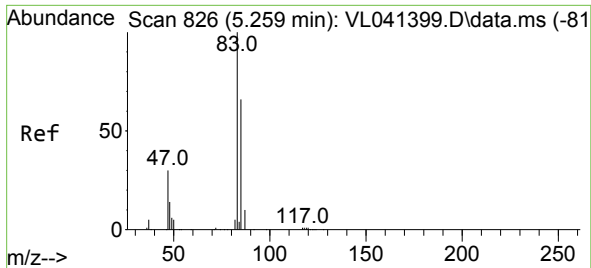
Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Tgt Ion: 73 Resp: 666333

Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.9	28.3

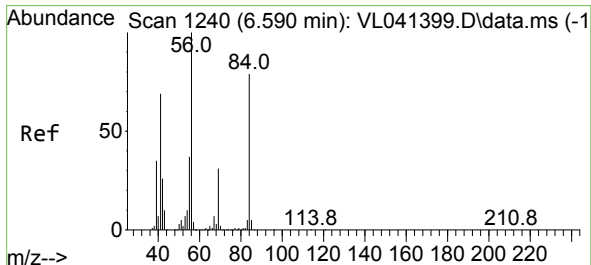
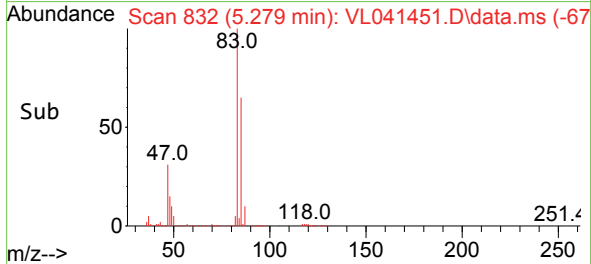
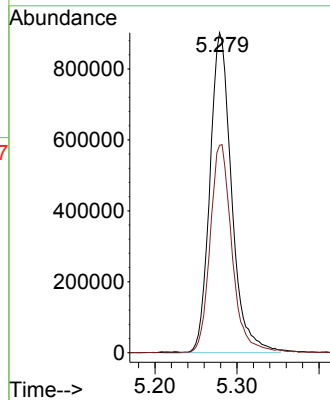
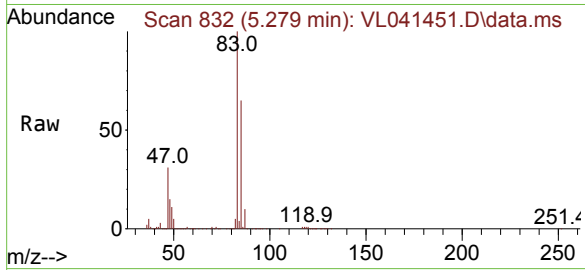




#29
Chloroform
Concen: 9.983 ppbv
RT: 5.279 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

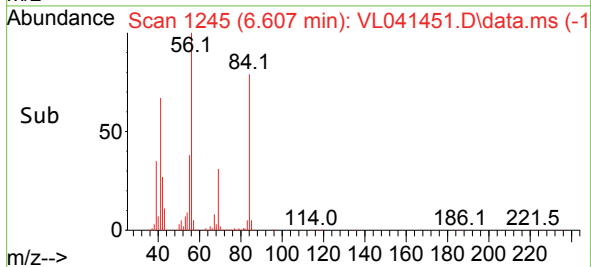
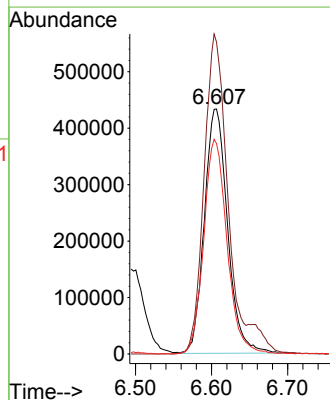
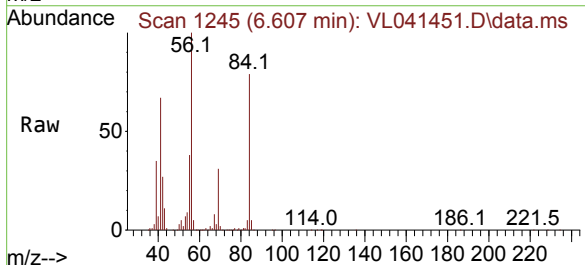
Instrument :
MSVOA_L
ClientSampleId :

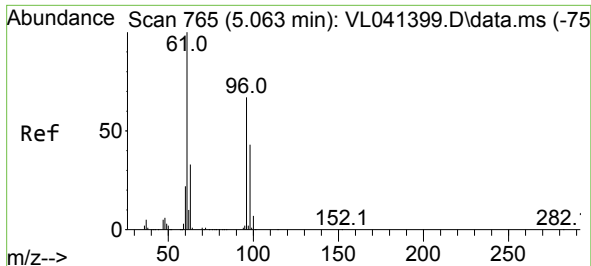
Tgt Ion: 83 Resp: 1658023
Ion Ratio Lower Upper
83 100
85 64.7 53.1 79.7



#30
Cyclohexane
Concen: 11.121 ppbv
RT: 6.607 min Scan# 1245
Delta R.T. 0.013 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 84 Resp: 922089
Ion Ratio Lower Upper
84 100
56 137.6 111.2 166.8
41 88.0 70.3 105.5



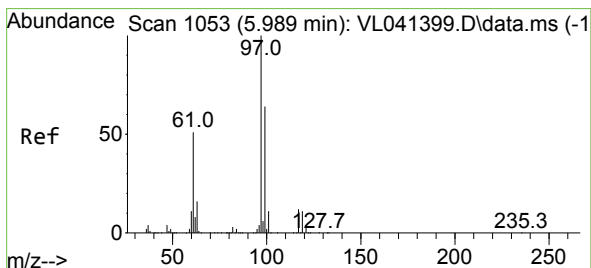
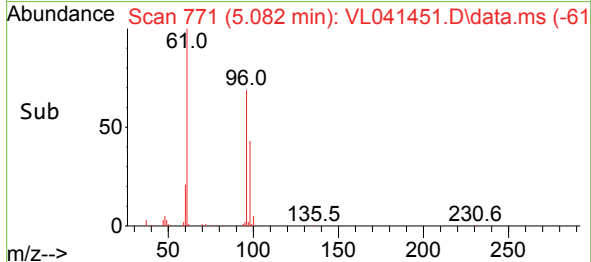
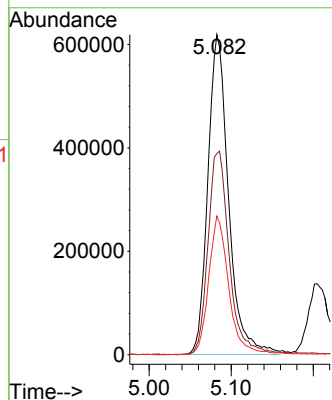
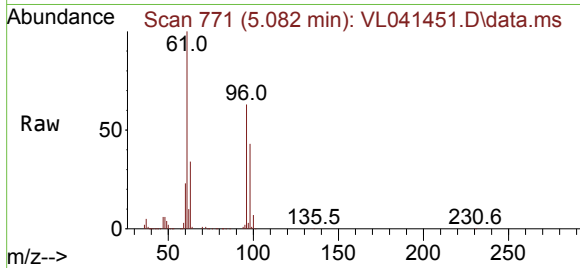


#31
 cis-1,2-Dichloroethene
 Concen: 10.771 ppbv
 RT: 5.082 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 61 Resp: 1083458

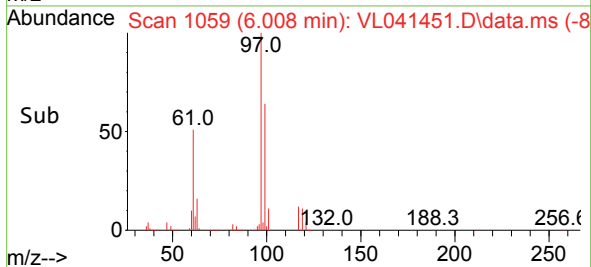
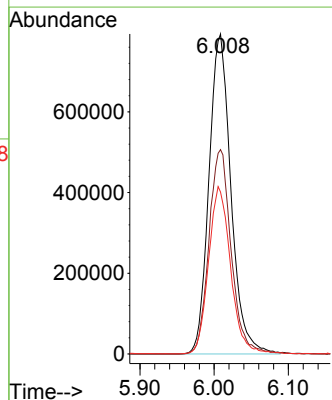
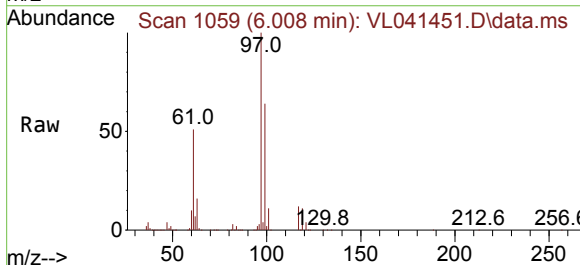
Ion	Ratio	Lower	Upper
61	100		
96	62.8	53.4	80.2
98	43.3	34.4	51.6

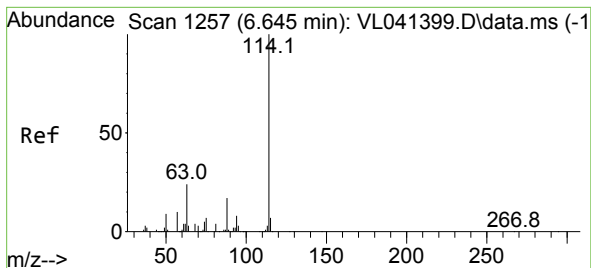


#32
 1,1,1-Trichloroethane
 Concen: 10.087 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. 0.016 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion: 97 Resp: 1630801

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	52.5	41.8	62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

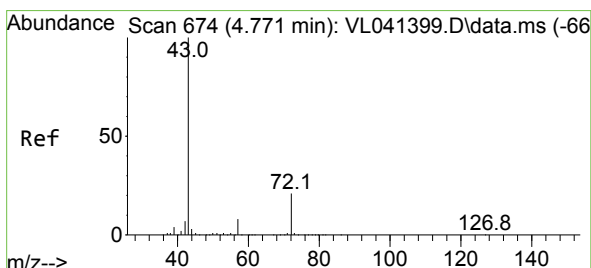
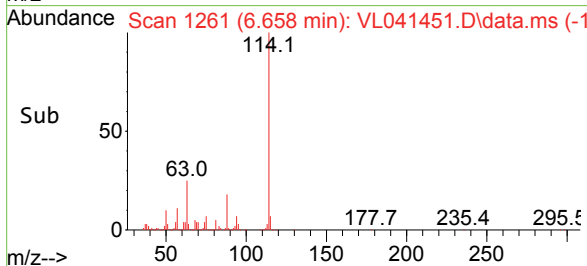
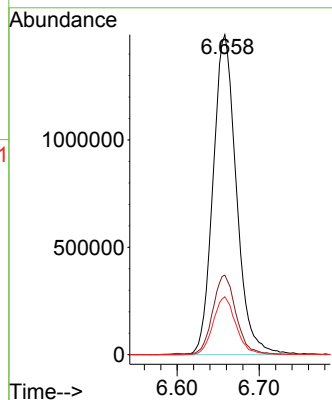
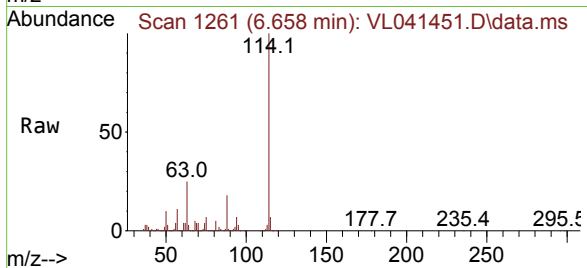
Tgt Ion:114 Resp: 2933912

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 11.084 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.016 min

Lab File: VL041451.D

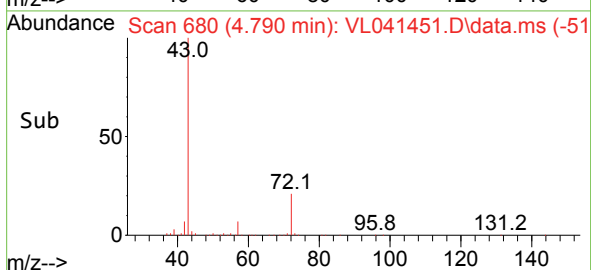
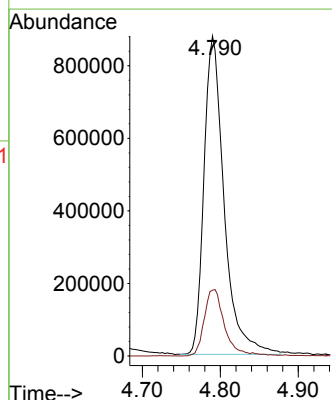
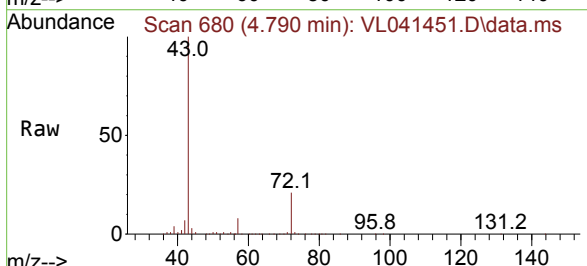
Acq: 30 Jul 2024 5:53

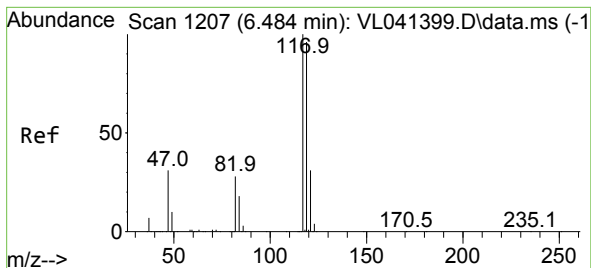
Tgt Ion: 43 Resp: 1573071

Ion Ratio Lower Upper

43 100

72 21.4 17.3 25.9





#35

Carbon Tetrachloride

Concen: 10.505 ppbv

RT: 6.497 min Scan# 1173

Delta R.T. 0.013 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

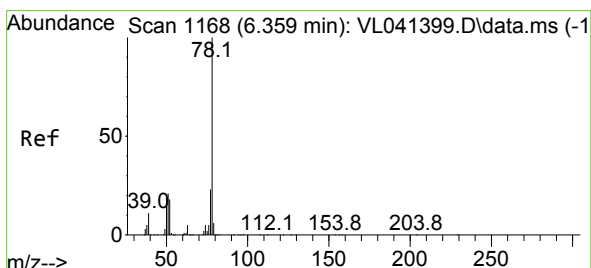
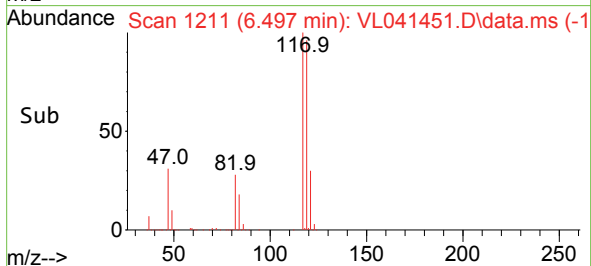
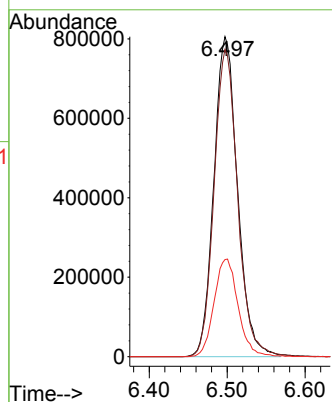
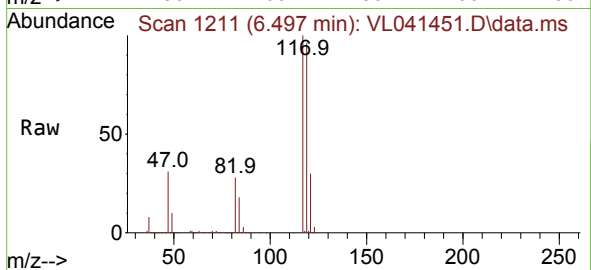
Tgt Ion:117 Resp: 1699996

Ion Ratio Lower Upper

117 100

119 96.0 76.6 115.0

121 30.4 25.1 37.7



#36

Benzene

Concen: 10.687 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. 0.016 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

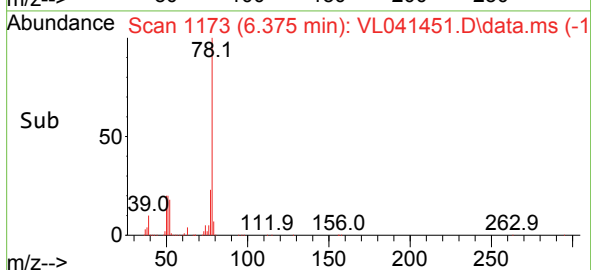
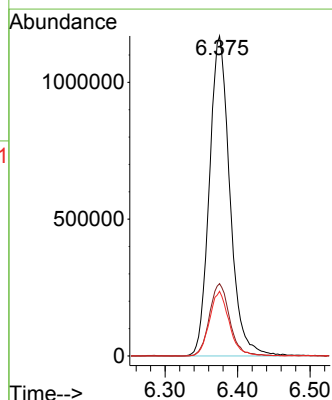
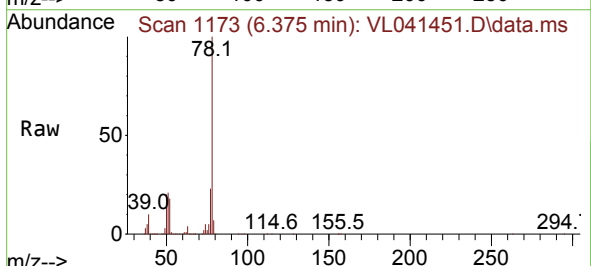
Tgt Ion: 78 Resp: 2291201

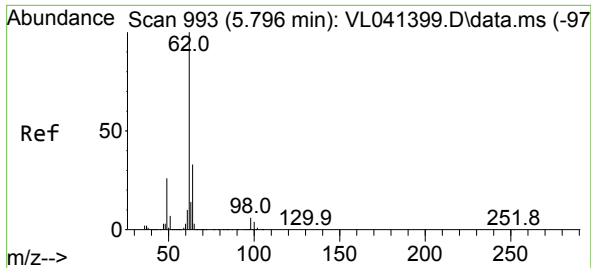
Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

50 20.2 15.5 23.3

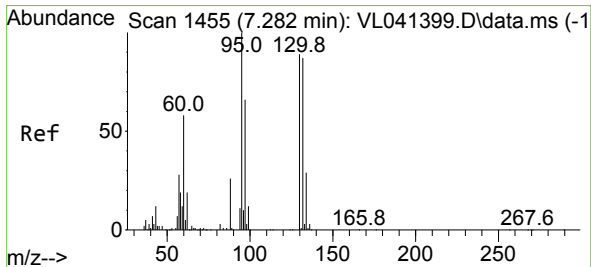
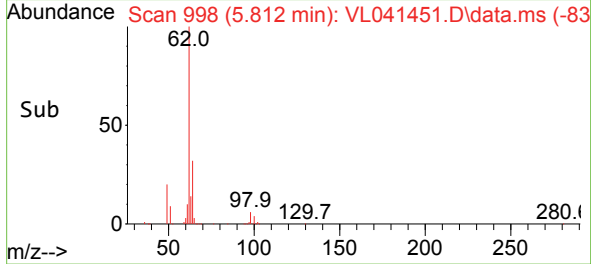
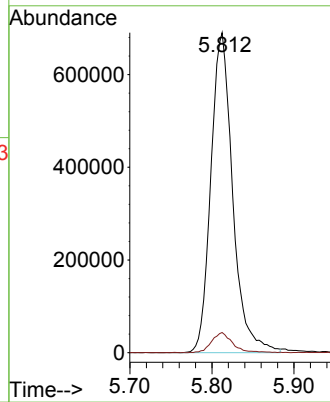
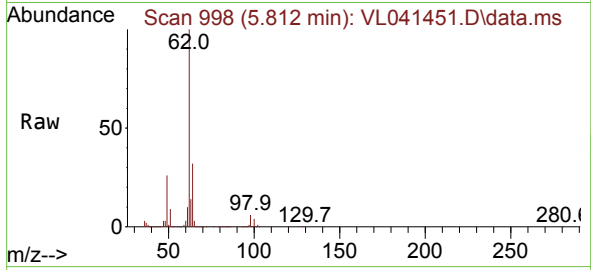




#37
1,2-Dichloroethane
Concen: 10.657 ppbv
RT: 5.812 min Scan# 993
Delta R.T. 0.016 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

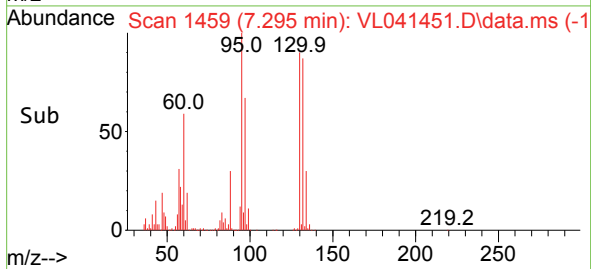
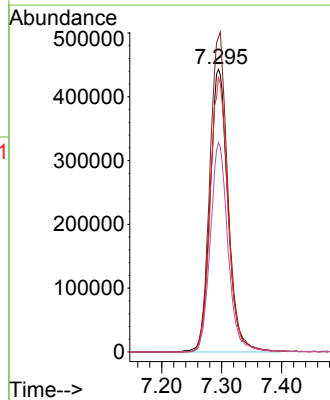
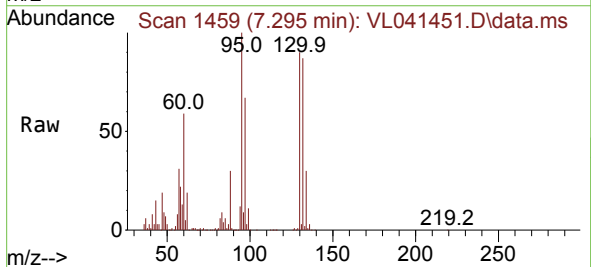
Instrument :
MSVOA_L
ClientSampleId :

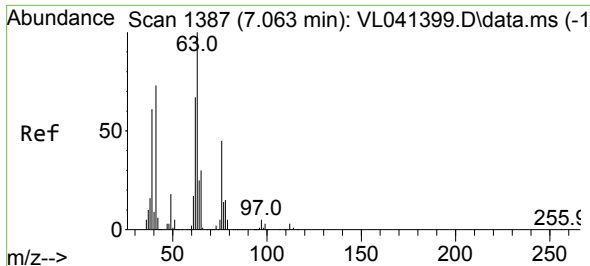
Tgt Ion: 62 Resp: 1278729
Ion Ratio Lower Upper
62 100
98 6.2 5.0 7.4



#38
Trichloroethene
Concen: 9.349 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.013 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion:130 Resp: 918161
Ion Ratio Lower Upper
130 100
95 111.3 90.2 135.2
132 97.0 78.1 117.1
97 74.1 59.7 89.5

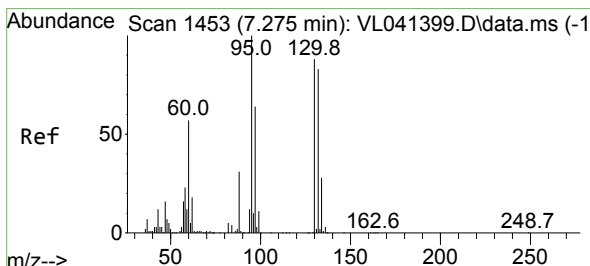
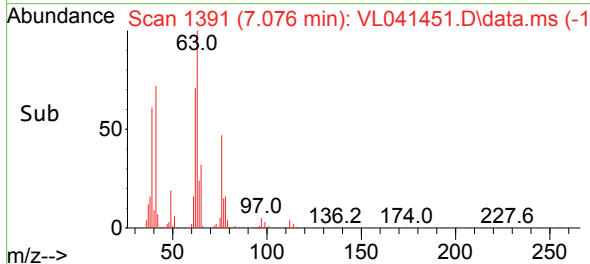
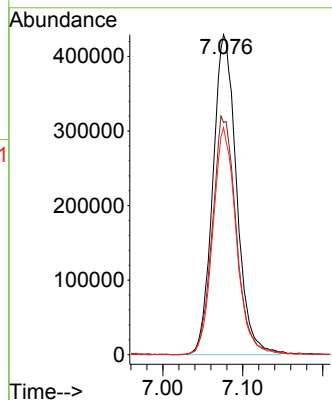
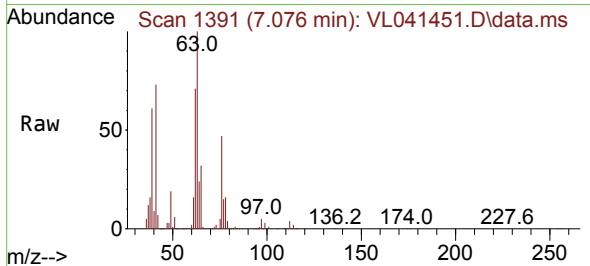




#39
 1,2-Dichloropropane
 Concen: 10.759 ppbv
 RT: 7.076 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

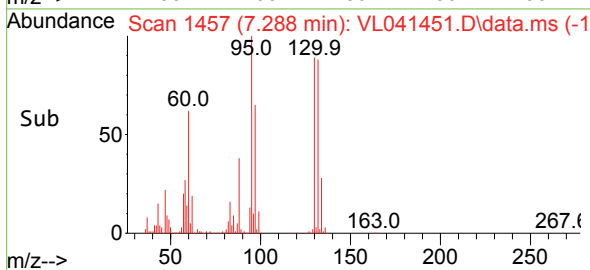
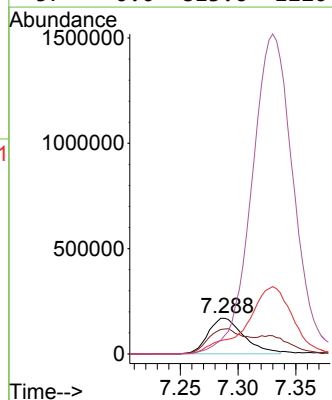
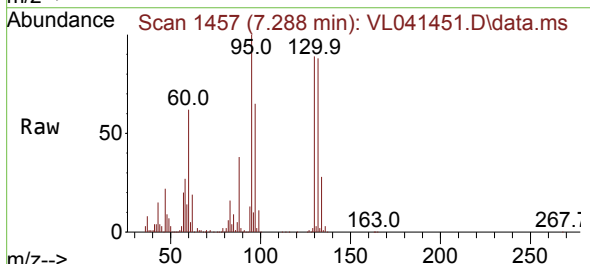
Instrument :
 MSVOA_L
 ClientSampleId :

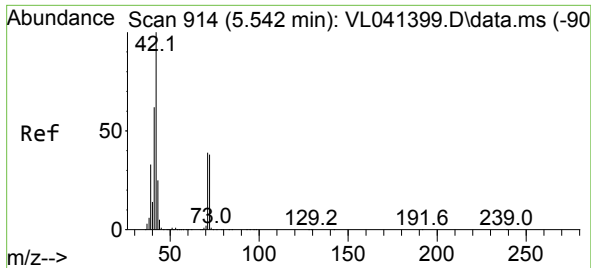
Tgt Ion: 63 Resp: 883077
 Ion Ratio Lower Upper
 63 100
 41 72.5 58.3 87.5
 62 71.0 53.9 80.9



#40
 1,4-Dioxane
 Concen: 10.940 ppbv
 RT: 7.288 min Scan# 1457
 Delta R.T. 0.013 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion: 88 Resp: 360687
 Ion Ratio Lower Upper
 88 100
 58 124.4 95.8 143.6
 43 0.0 188.2 282.2#
 57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 11.611 ppbv

RT: 5.558 min Scan# 914

Delta R.T. 0.013 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

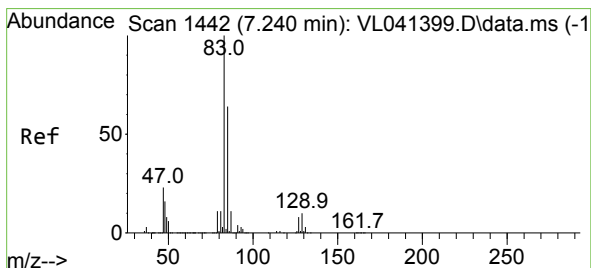
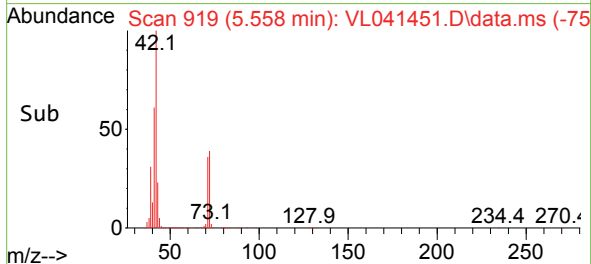
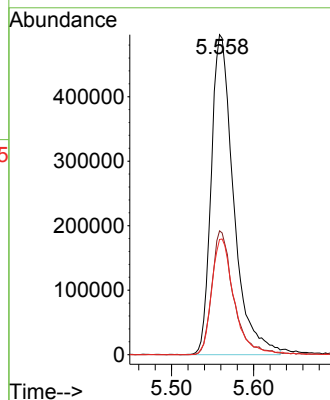
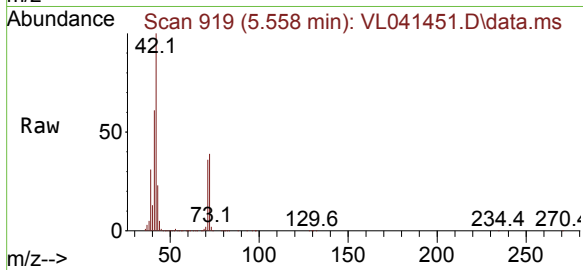
Tgt Ion: 42 Resp: 942496

Ion Ratio Lower Upper

42 100

72 37.8 31.2 46.8

71 36.5 30.5 45.7



#42

Bromodichloromethane

Concen: 10.465 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.013 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

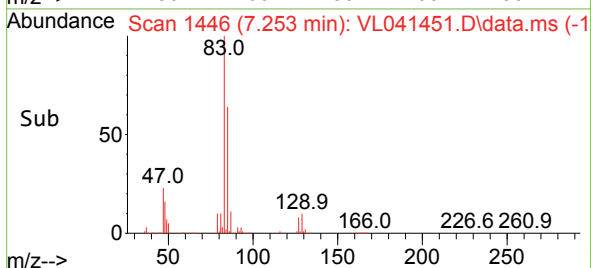
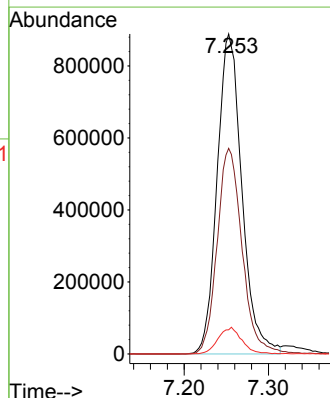
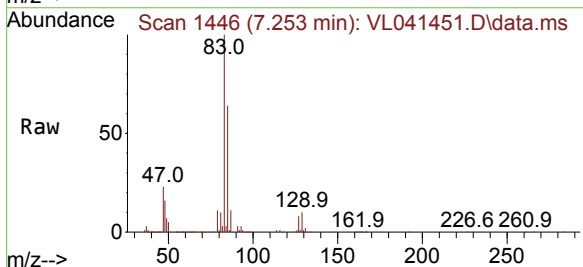
Tgt Ion: 83 Resp: 1813213

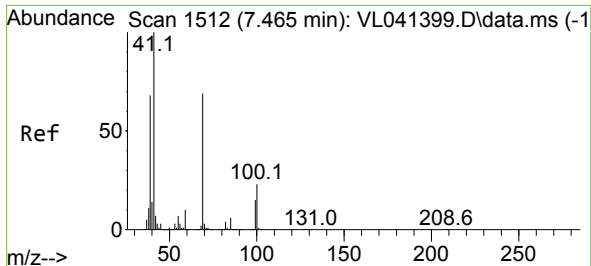
Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

127 7.6 6.7 10.1

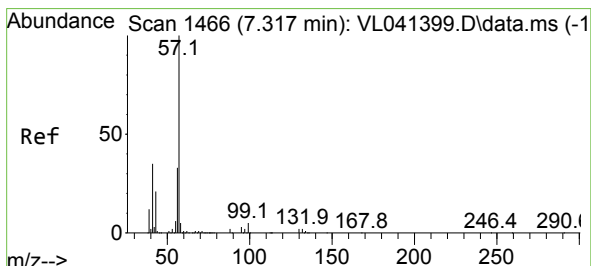
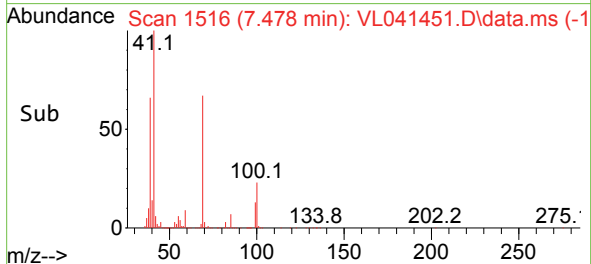
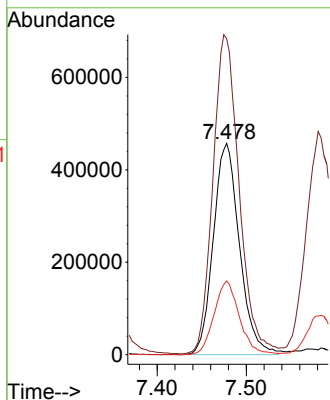
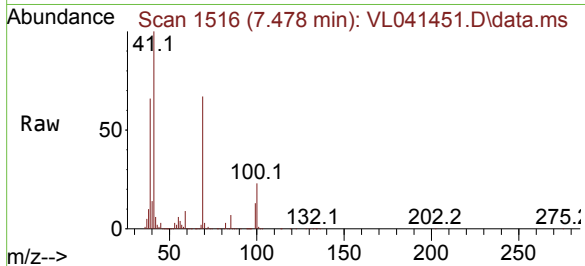




#43
Methyl Methacrylate
Concen: 12.116 ppbv
RT: 7.478 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

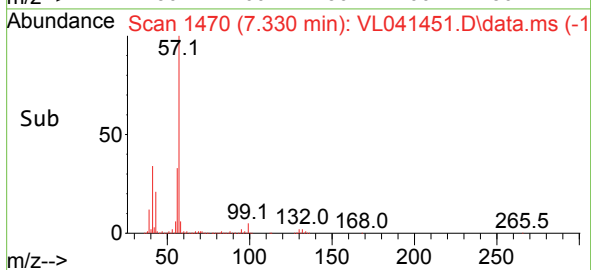
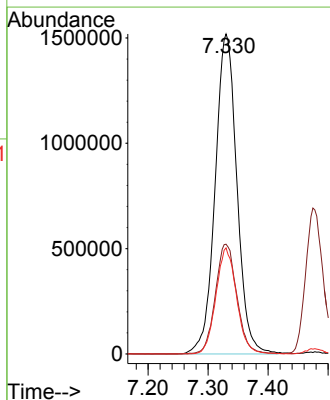
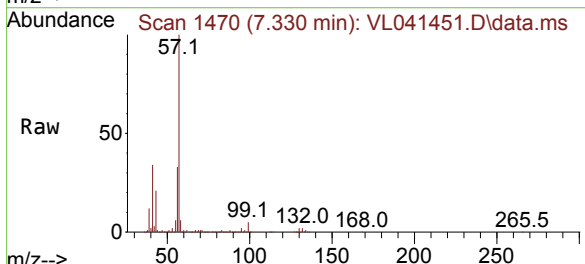
Instrument :
MSVOA_L
ClientSampleId :

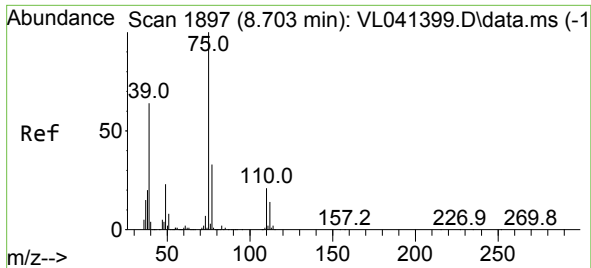
Tgt Ion: 69 Resp: 931397
Ion Ratio Lower Upper
69 100
41 152.1 118.7 178.1
100 33.9 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 10.671 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.013 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 57 Resp: 3820922
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.6
56 31.6 25.2 37.8

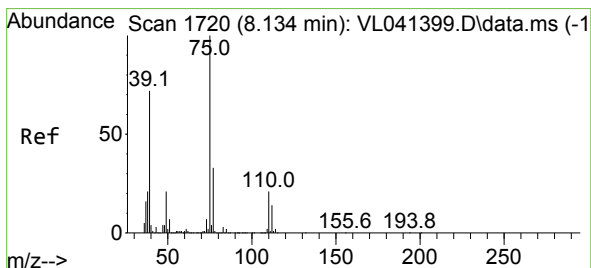
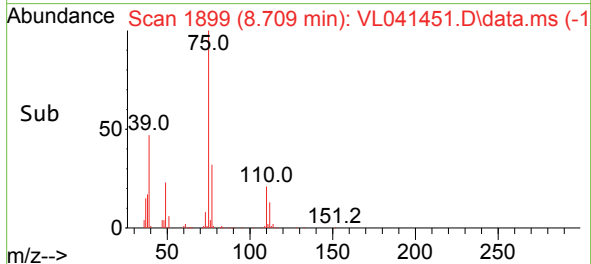
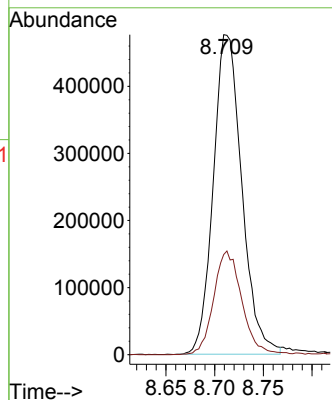
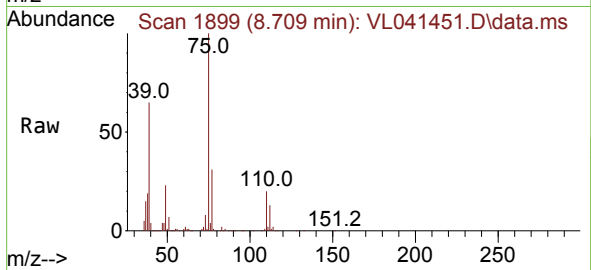




#45
t-1,3-Dichloropropene
Concen: 13.707 ppbv
RT: 8.709 min Scan# 1897
Delta R.T. 0.006 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

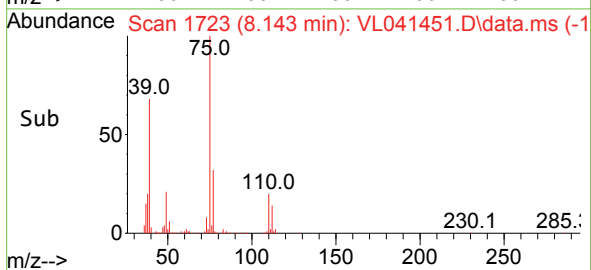
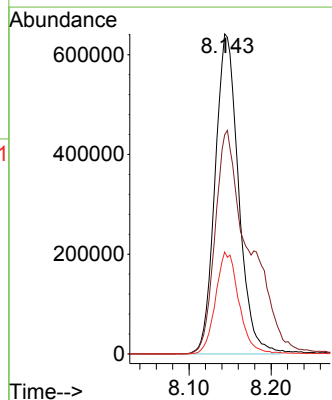
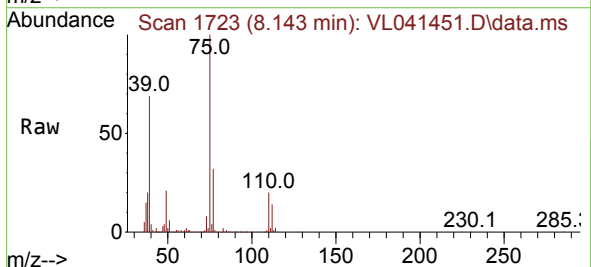
Instrument :
MSVOA_L
ClientSampleId :

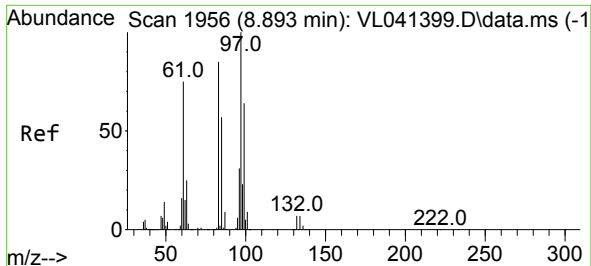
Tgt Ion: 75 Resp: 969920
Ion Ratio Lower Upper
75 100
77 31.3 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 12.509 ppbv
RT: 8.143 min Scan# 1723
Delta R.T. 0.010 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 75 Resp: 1278187
Ion Ratio Lower Upper
75 100
39 68.4 57.3 85.9
77 31.9 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 10.461 ppbv

RT: 8.899 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 946404

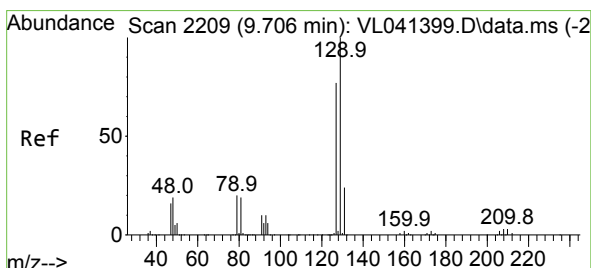
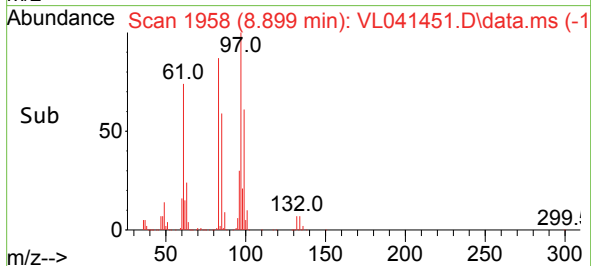
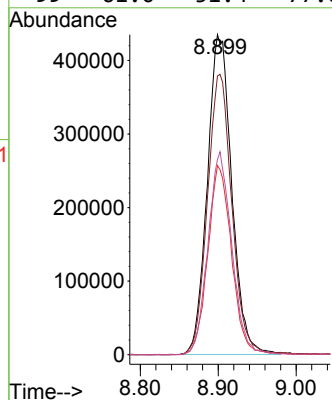
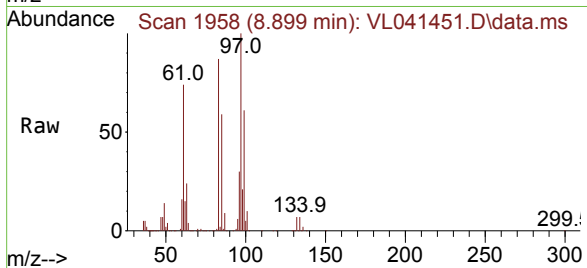
Ion Ratio Lower Upper

97 100

83 87.1 67.6 101.4

85 59.1 45.9 68.9

99 61.0 51.4 77.0



#48

Dibromochloromethane

Concen: 10.609 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. 0.010 min

Lab File: VL041451.D

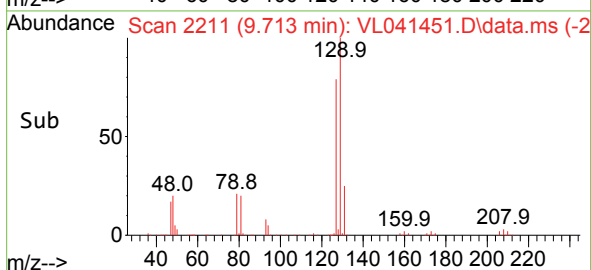
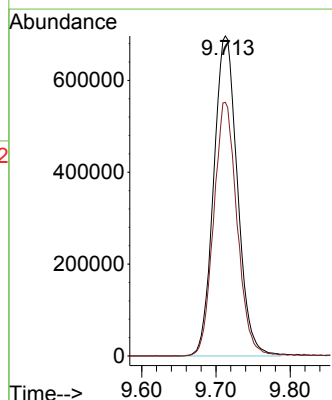
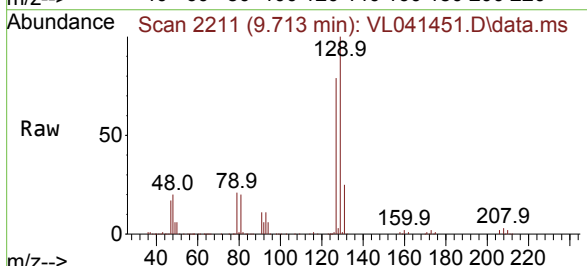
Acq: 30 Jul 2024 5:53

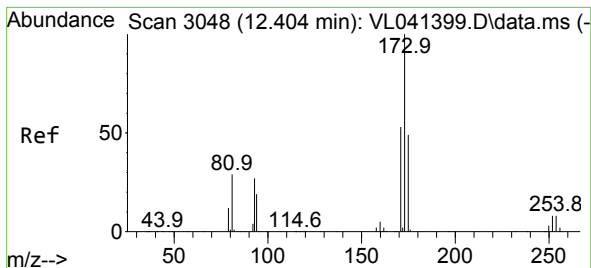
Tgt Ion: 129 Resp: 1546200

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





#49

Bromoform

Concen: 10.928 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

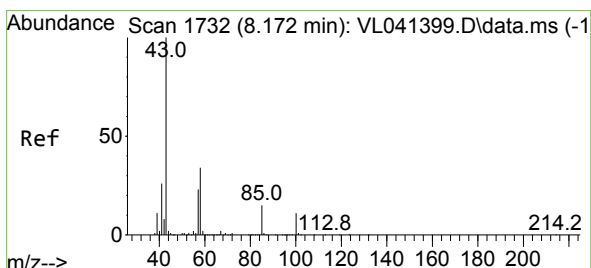
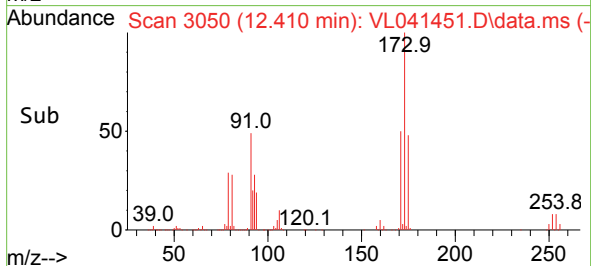
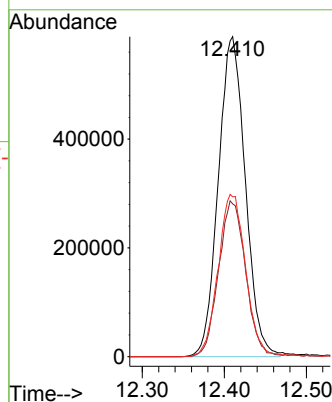
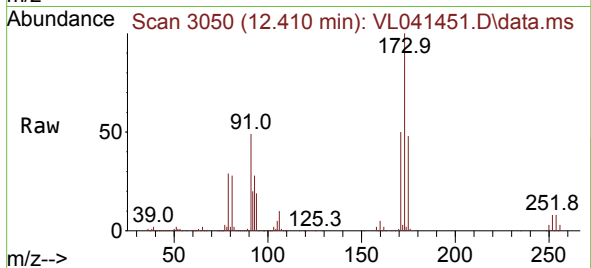
Tgt Ion:173 Resp: 1345365

Ion Ratio Lower Upper

173 100

175 49.1 39.9 59.9

171 52.5 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 11.227 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.010 min

Lab File: VL041451.D

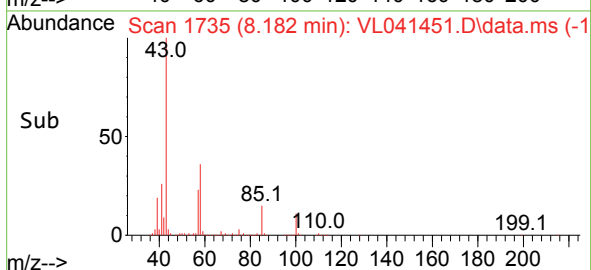
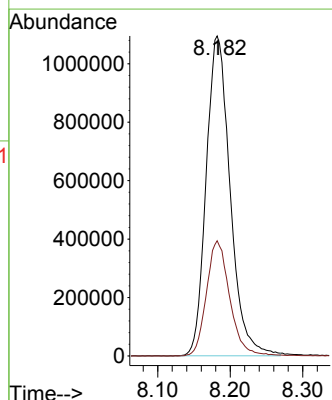
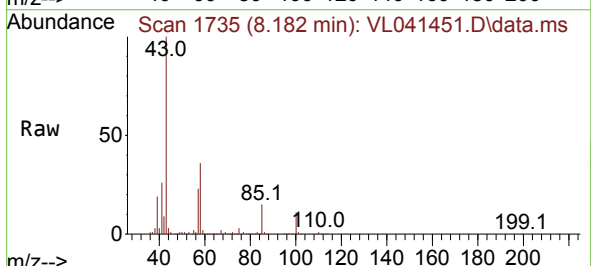
Acq: 30 Jul 2024 5:53

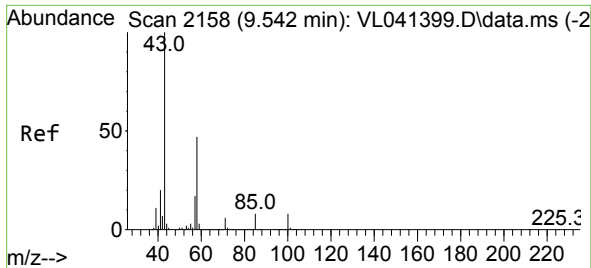
Tgt Ion: 43 Resp: 2513869

Ion Ratio Lower Upper

43 100

58 35.1 27.9 41.9

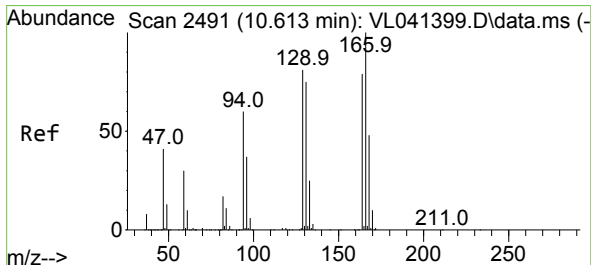
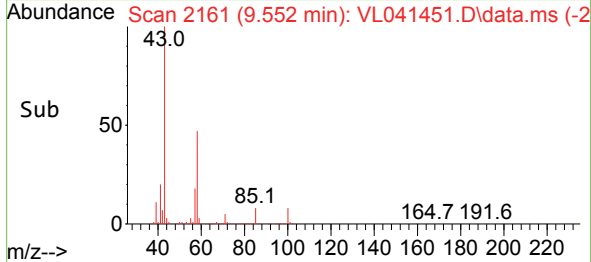
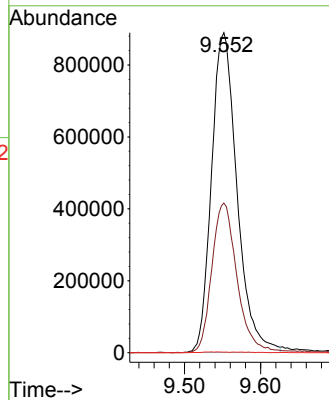
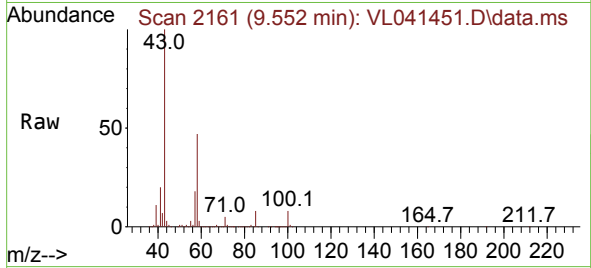




#51
2-Hexanone
Concen: 12.218 ppbv
RT: 9.552 min Scan# 2158
Delta R.T. 0.010 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

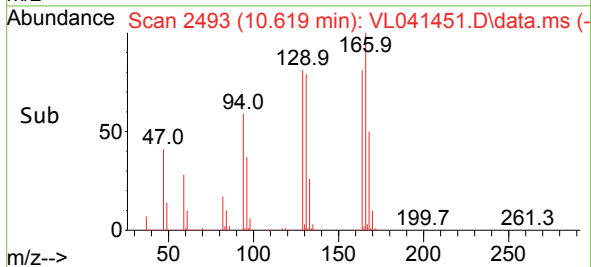
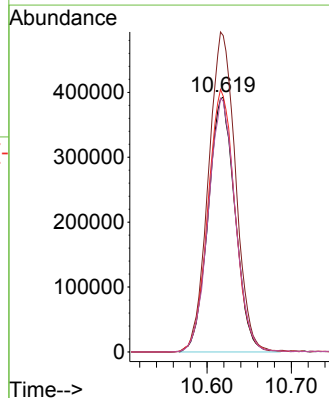
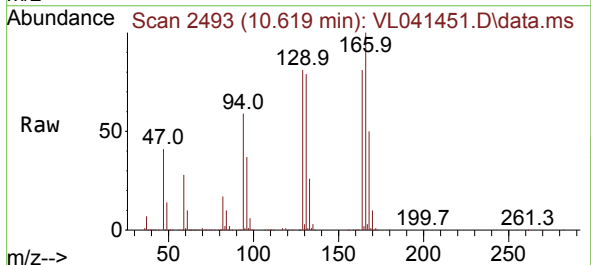
Instrument :
MSVOA_L
ClientSampleId :

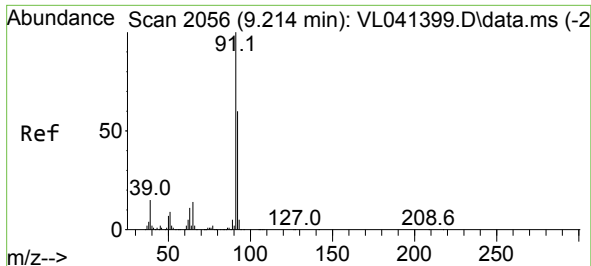
Tgt Ion: 43 Resp: 2068628
Ion Ratio Lower Upper
43 100
58 46.9 38.2 57.2
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.460 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.010 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 164 Resp: 866465
Ion Ratio Lower Upper
164 100
166 123.8 101.1 151.7
129 100.0 81.7 122.5
131 98.1 76.2 114.4

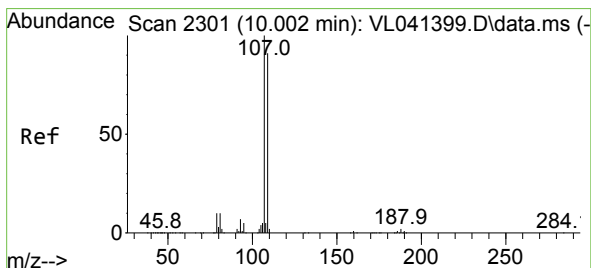
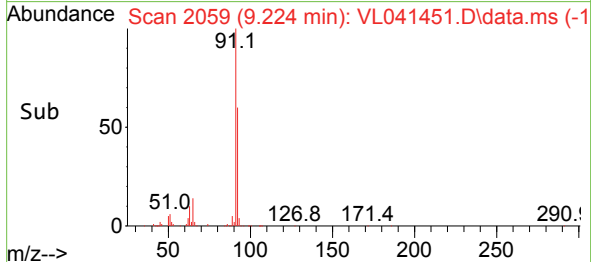
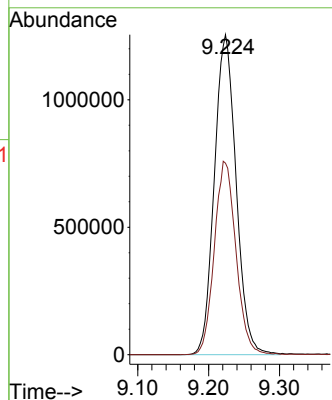
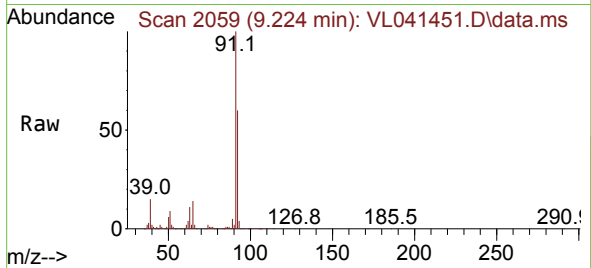




#53
Toluene
Concen: 11.214 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

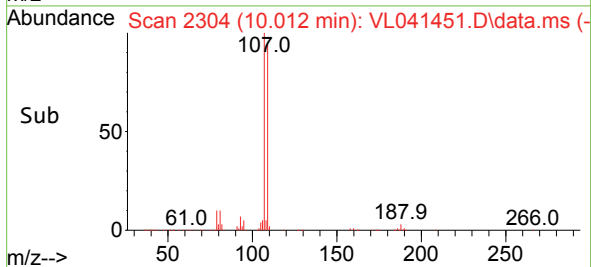
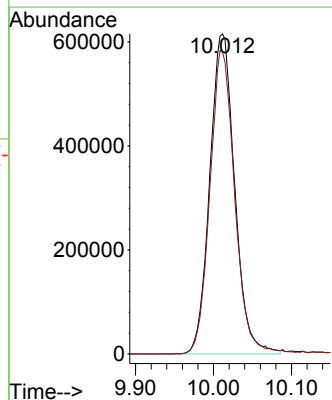
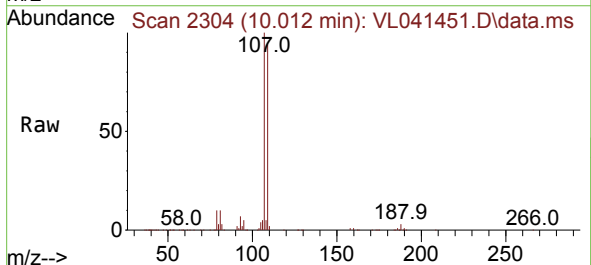
Instrument :
MSVOA_L
ClientSampleId :

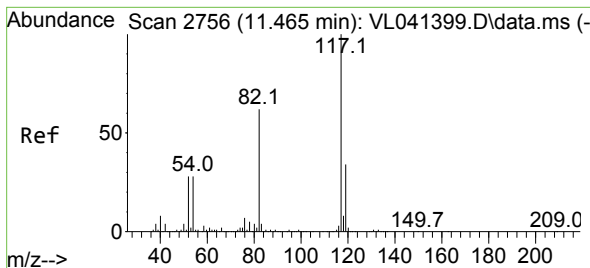
Tgt Ion: 91 Resp: 2677820
Ion Ratio Lower Upper
91 100
92 60.4 48.7 73.1



#54
1,2-Dibromoethane
Concen: 11.338 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.010 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 107 Resp: 1365337
Ion Ratio Lower Upper
107 100
109 94.2 72.7 109.1

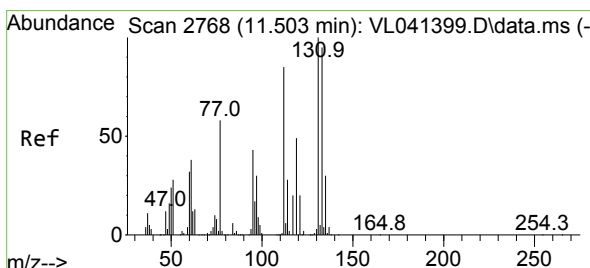
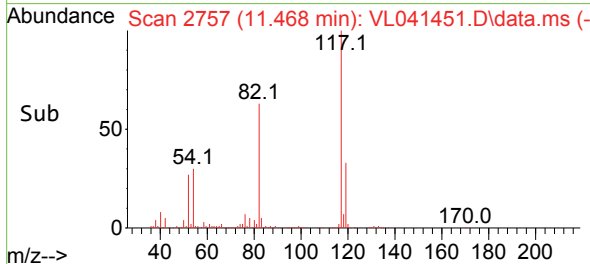
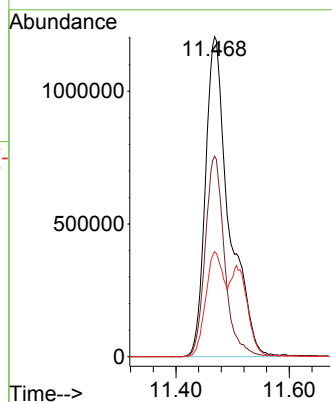
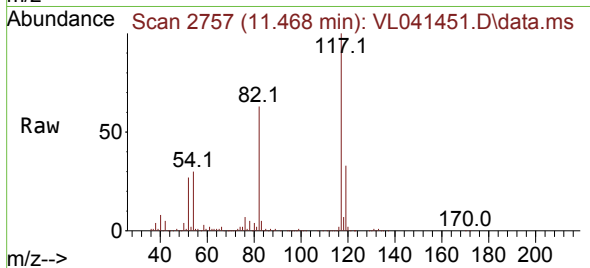




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

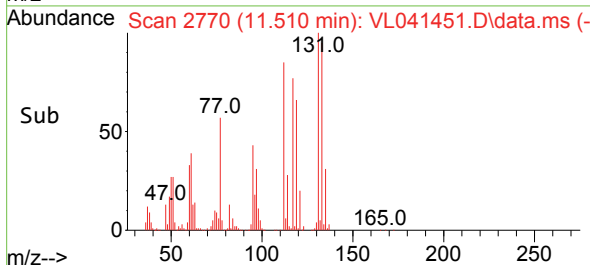
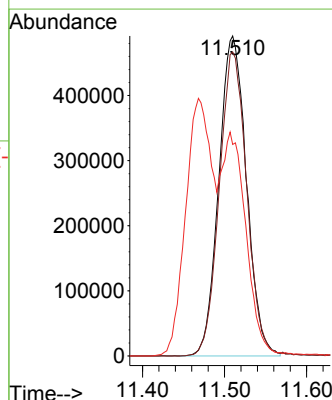
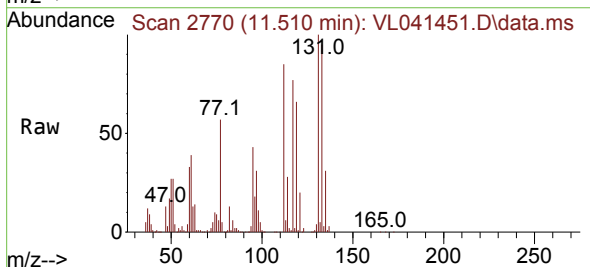
Instrument :
MSVOA_L
ClientSampleId :

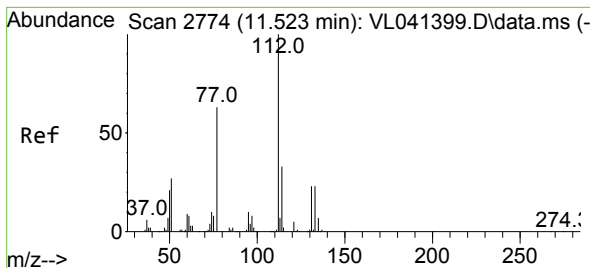
Tgt Ion:117 Resp: 3497093
Ion Ratio Lower Upper
117 100
82 51.9 51.0 76.6
119 24.4 45.2 67.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.465 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.003 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion:131 Resp: 1147986
Ion Ratio Lower Upper
131 100
133 95.4 77.0 115.4
119 63.7 121.5 182.3#





#57

Chlorobenzene

Concen: 8.214 ppbv

RT: 11.529 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

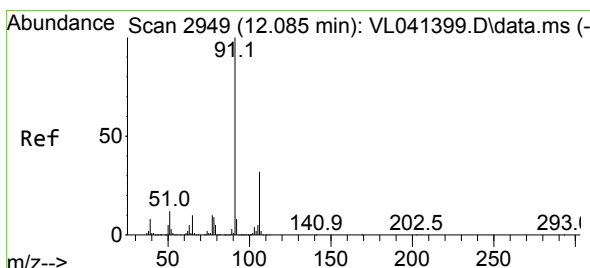
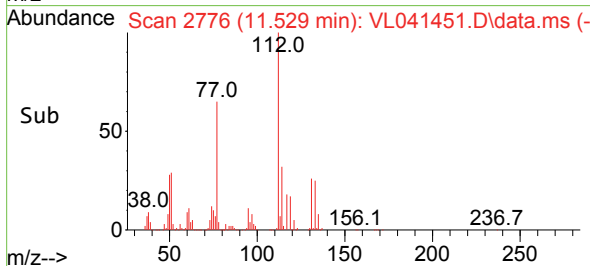
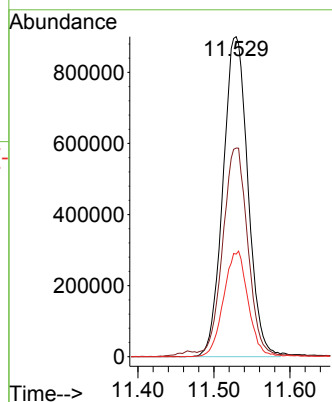
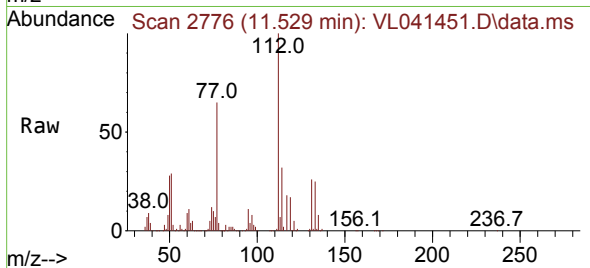
Tgt Ion:112 Resp: 2045170

Ion Ratio Lower Upper

112 100

77 64.5 51.1 76.7

114 32.0 29.5 36.1



#58

Ethyl Benzene

Concen: 8.823 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041451.D

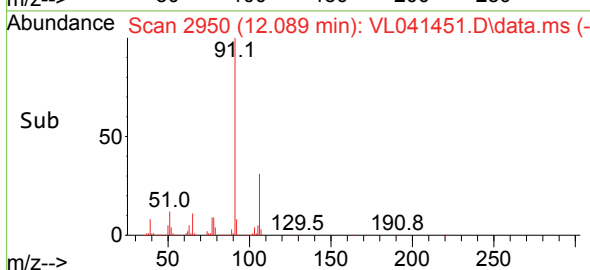
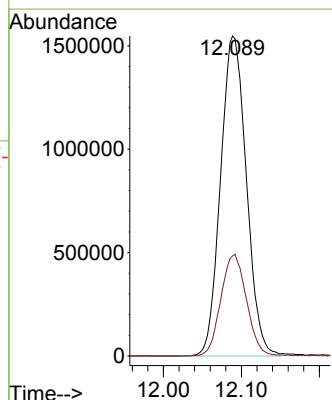
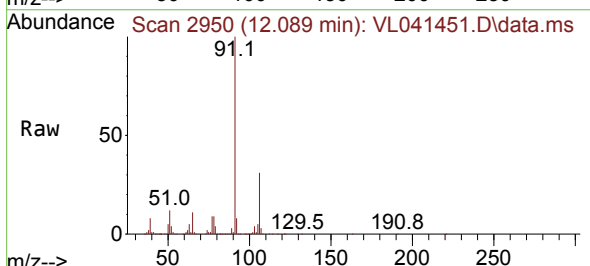
Acq: 30 Jul 2024 5:53

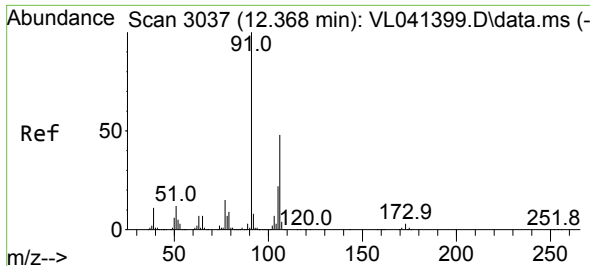
Tgt Ion: 91 Resp: 3556161

Ion Ratio Lower Upper

91 100

106 31.2 25.8 38.8





#59

m/p-Xylene

Concen: 9.276 ppbv

RT: 12.372 min Scan# 3038

Delta R.T. 0.003 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

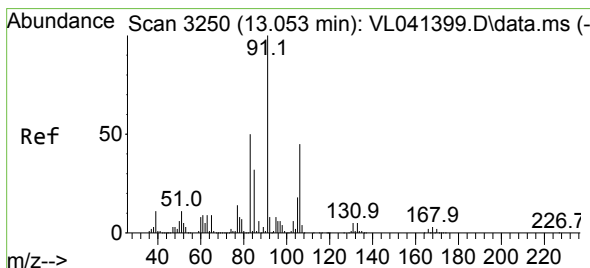
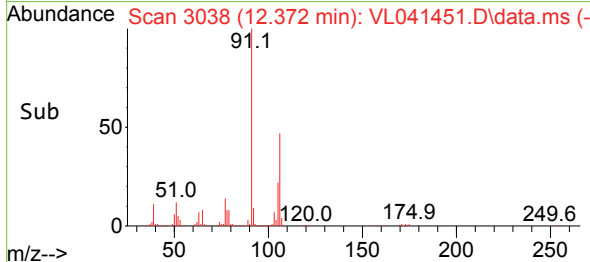
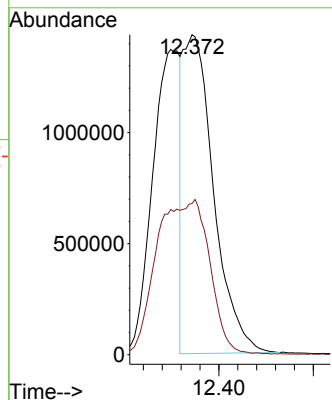
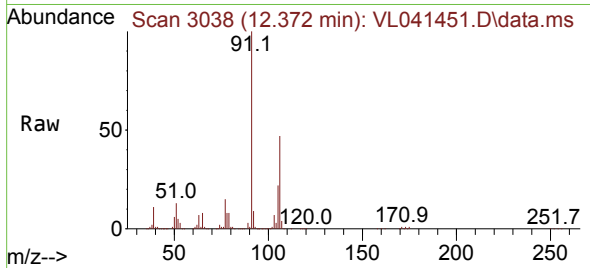
ClientSampleId :

Tgt Ion: 91 Resp: 3227703

Ion Ratio Lower Upper

91 100

106 84.5 36.3 54.5#



#60

o-Xylene

Concen: 8.717 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VL041451.D

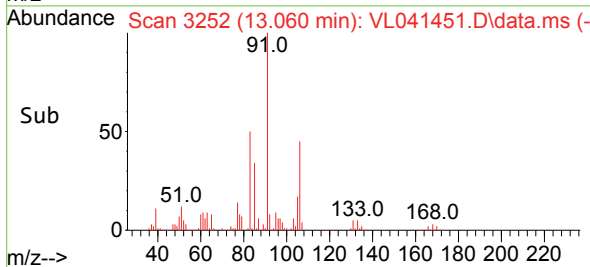
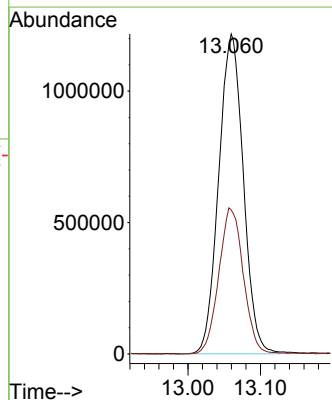
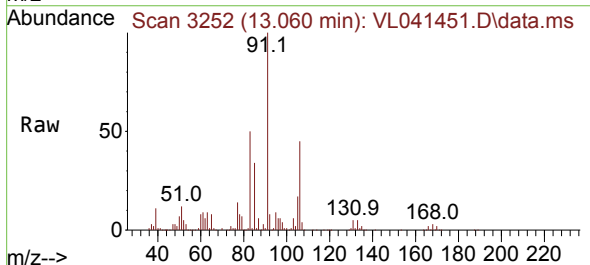
Acq: 30 Jul 2024 5:53

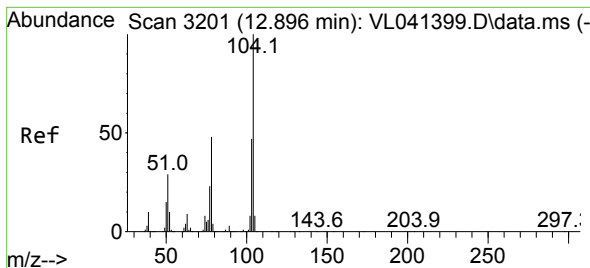
Tgt Ion: 91 Resp: 2869292

Ion Ratio Lower Upper

91 100

106 45.9 23.1 69.3





#61

Styrene

Concen: 9.662 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

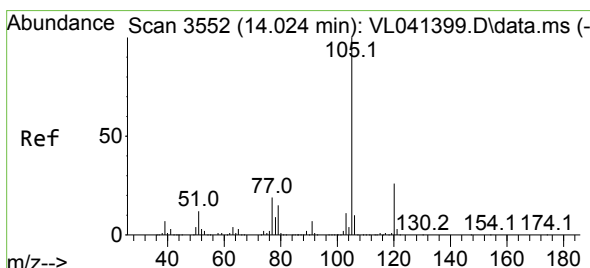
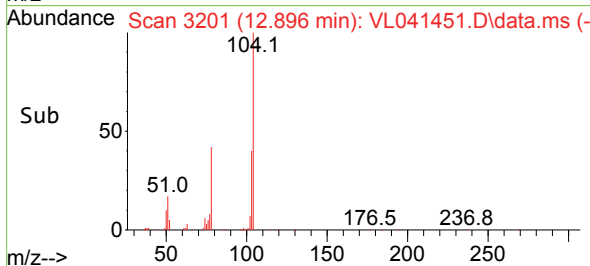
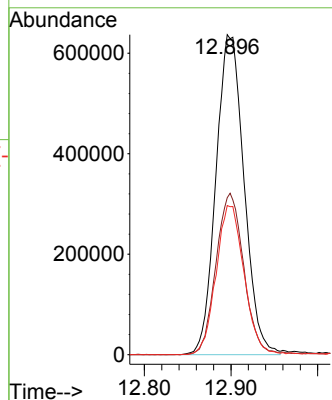
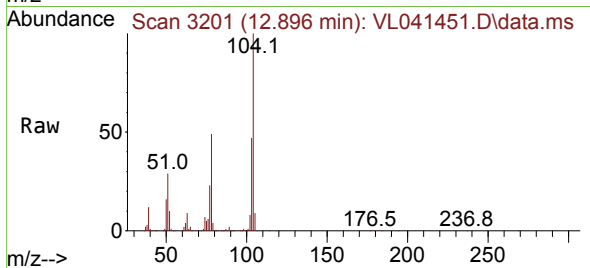
Tgt Ion:104 Resp: 1434805

Ion Ratio Lower Upper

104 100

78 50.2 40.8 61.2

103 46.9 38.2 57.4



#62

Isopropylbenzene

Concen: 8.503 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041451.D

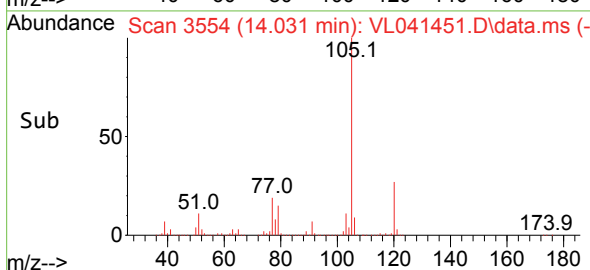
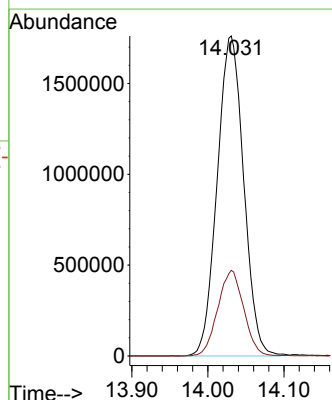
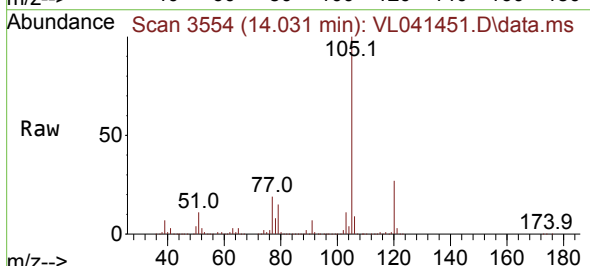
Acq: 30 Jul 2024 5:53

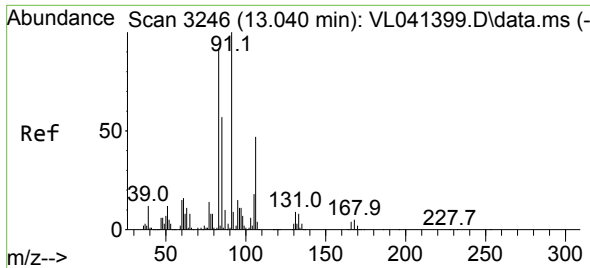
Tgt Ion:105 Resp: 4254832

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

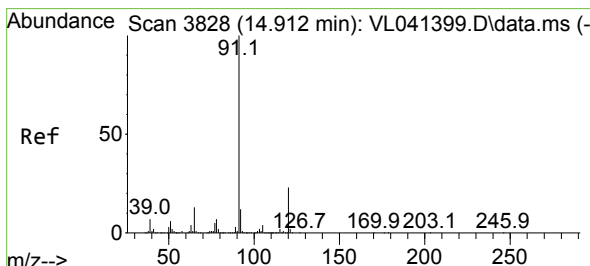
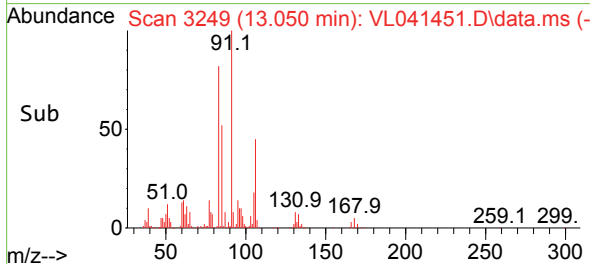
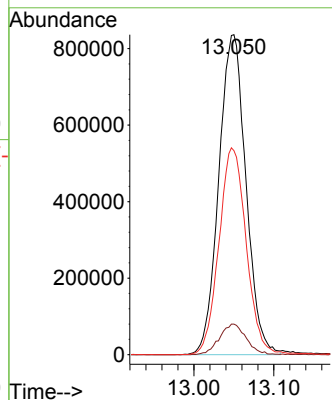
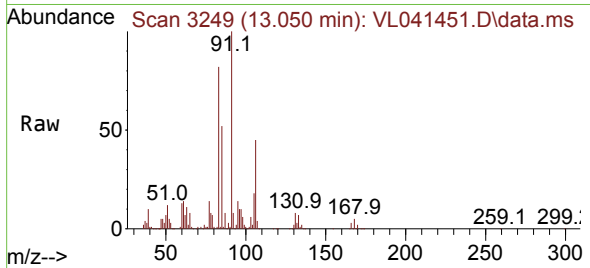




#63
1,1,2,2-Tetrachloroethane
Concen: 9.476 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

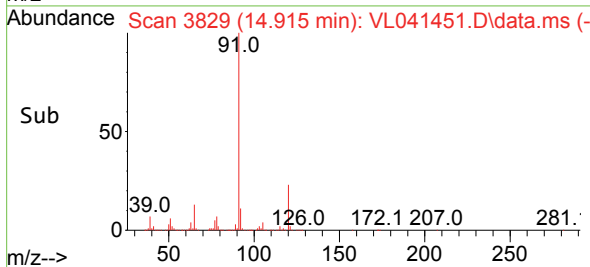
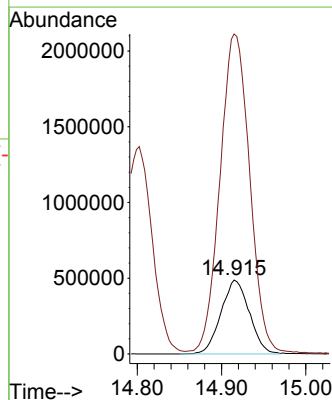
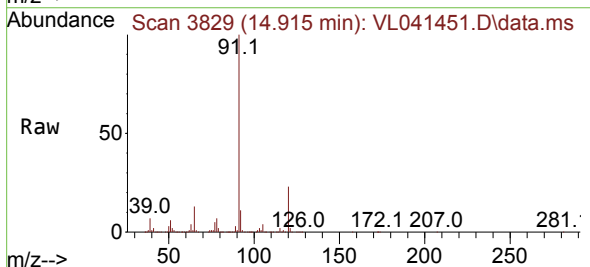
Instrument :
MSVOA_L
ClientSampleId :

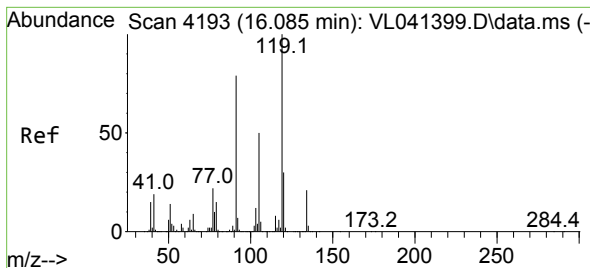
Tgt Ion: 83 Resp: 1969599
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 65.3 32.6 98.0



#64
n-propylbenzene
Concen: 8.725 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.000 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion:120 Resp: 1141368
Ion Ratio Lower Upper
120 100
91 455.9 361.4 542.0

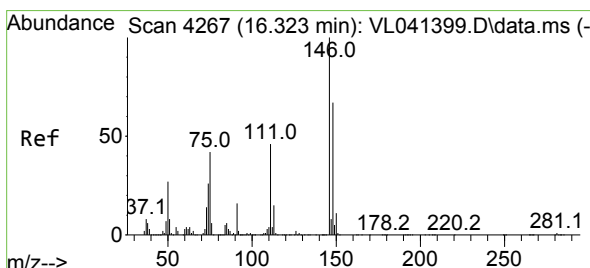
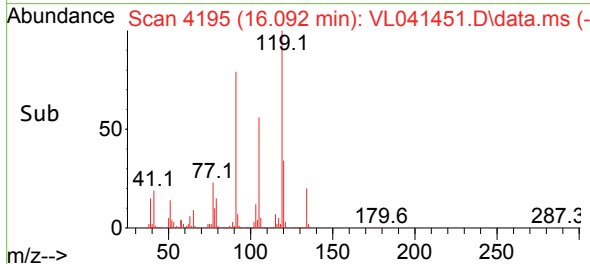
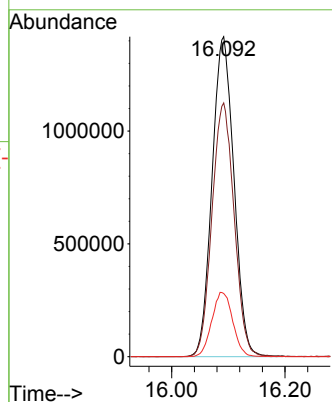
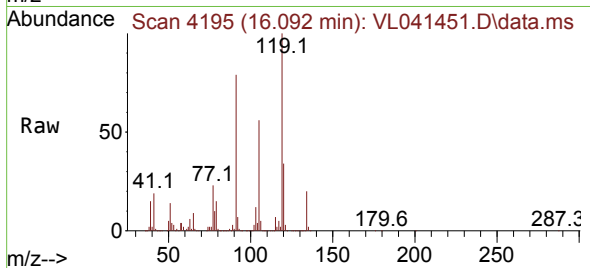




#65
tert-Butylbenzene
Concen: 8.398 ppbv
RT: 16.092 min Scan# 4193
Delta R.T. 0.000 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

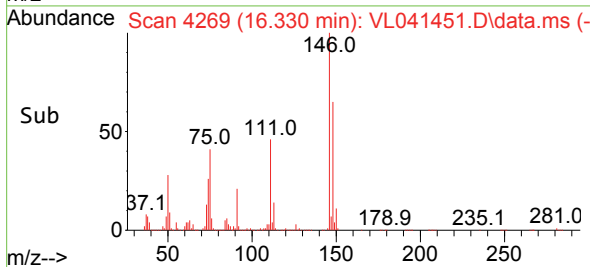
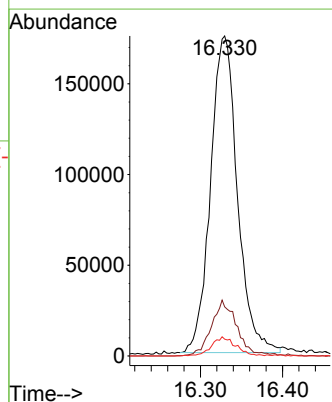
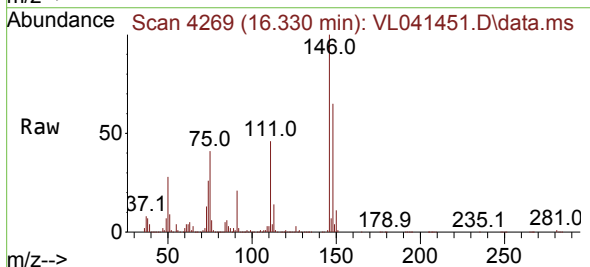
Instrument :
MSVOA_L
ClientSampleId :

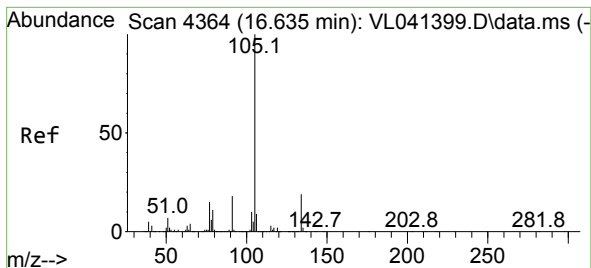
Tgt Ion:119 Resp: 3795661
Ion Ratio Lower Upper
119 100
91 80.4 64.2 96.2
134 19.3 15.7 23.5



#66
Benzyl Chloride
Concen: 13.757 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.003 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion: 91 Resp: 398798
Ion Ratio Lower Upper
91 100
126 16.9 13.8 20.8
128 5.6 4.4 6.6





#67

sec-Butylbenzene

Concen: 8.502 ppbv

RT: 16.635 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

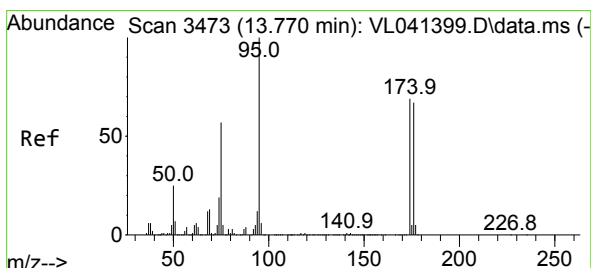
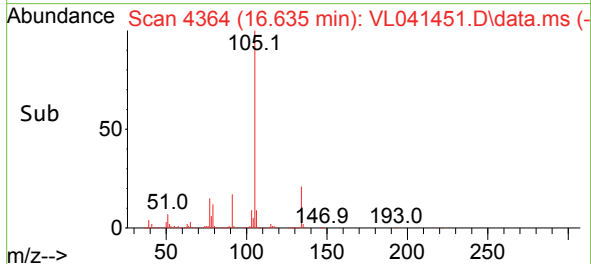
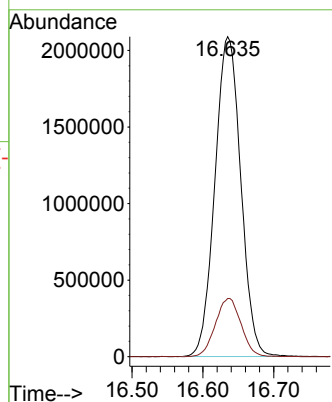
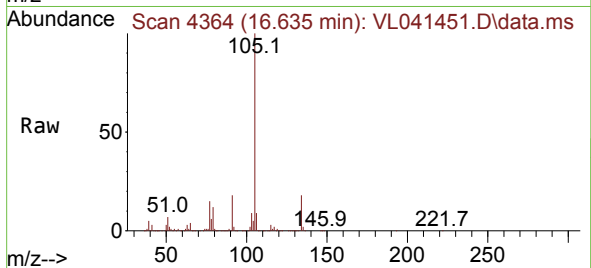
ClientSampleId :

Tgt Ion:105 Resp: 5294473

Ion Ratio Lower Upper

105 100

134 18.2 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 8.267 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

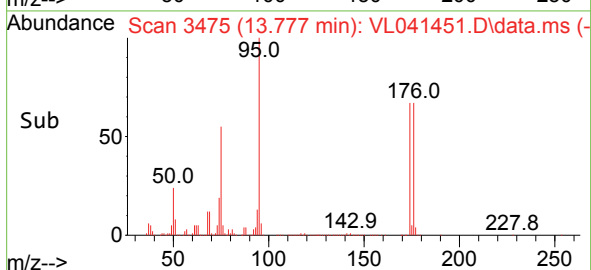
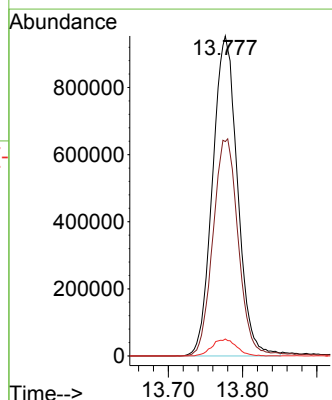
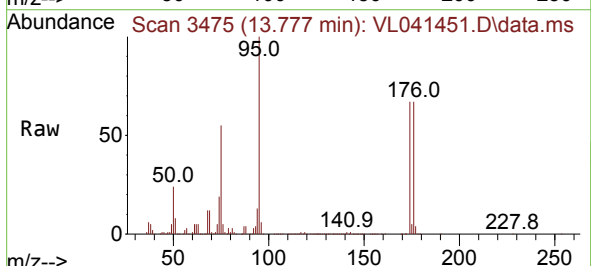
Tgt Ion: 95 Resp: 2224908

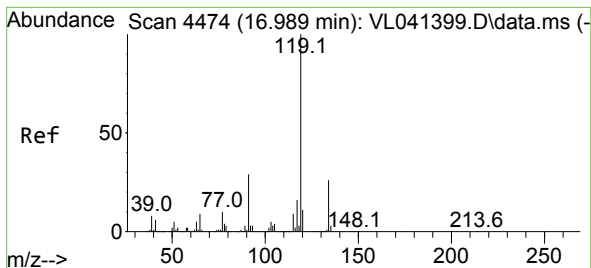
Ion Ratio Lower Upper

95 100

174 69.7 56.3 84.5

175 5.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 8.656 ppbv

RT: 16.995 min Scan# 4476

Delta R.T. 0.000 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

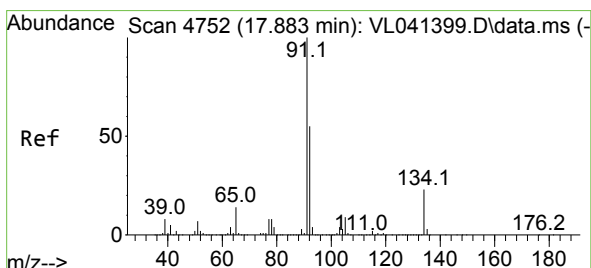
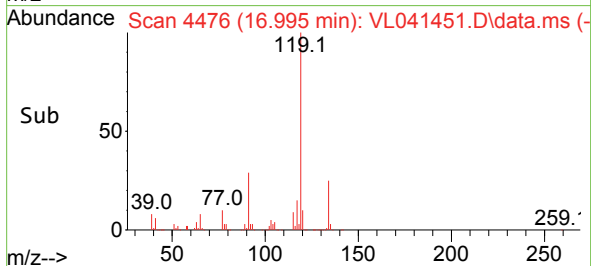
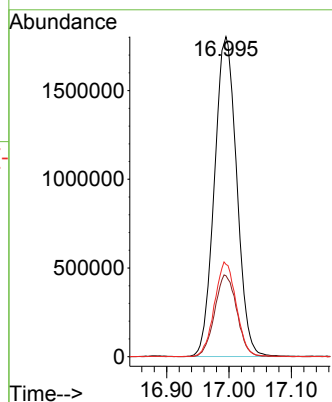
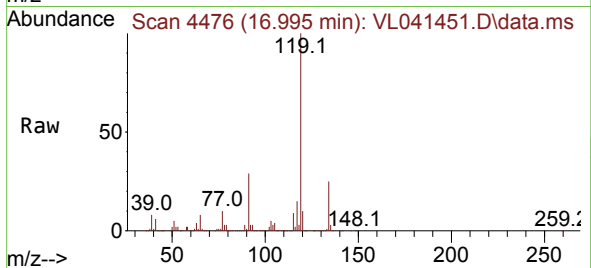
Tgt Ion:119 Resp: 4472637

Ion Ratio Lower Upper

119 100

134 25.5 20.5 30.7

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 8.684 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

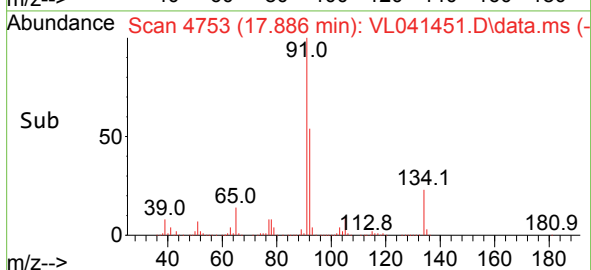
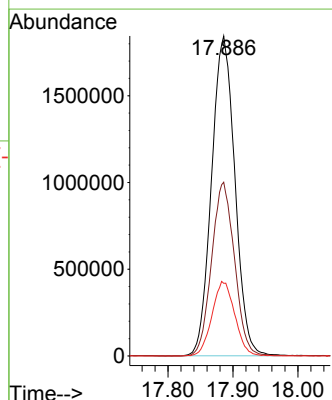
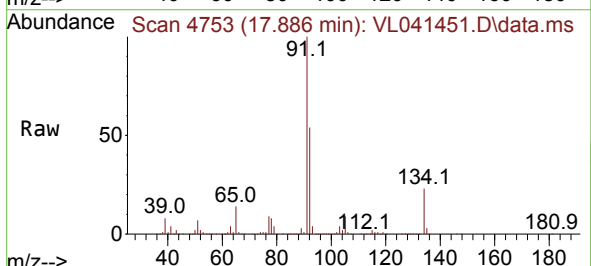
Tgt Ion: 91 Resp: 4600232

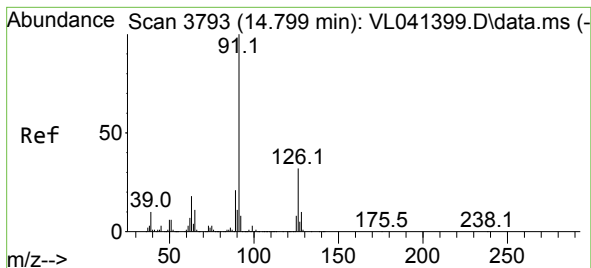
Ion Ratio Lower Upper

91 100

92 53.5 43.2 64.8

134 22.8 18.5 27.7

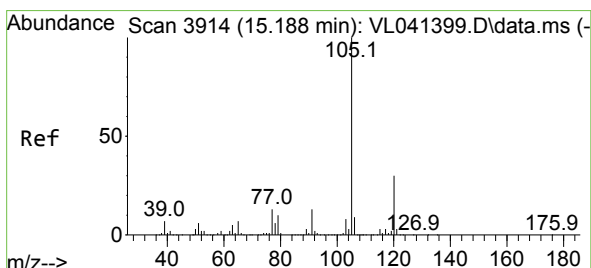
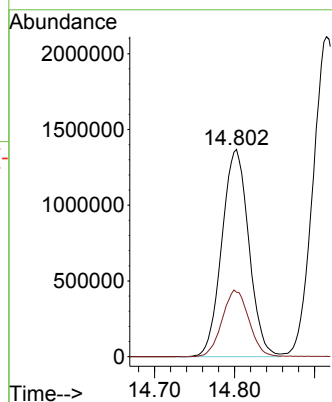
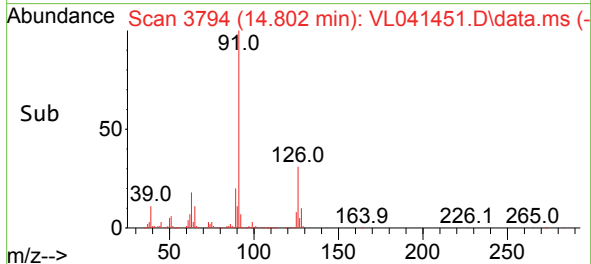
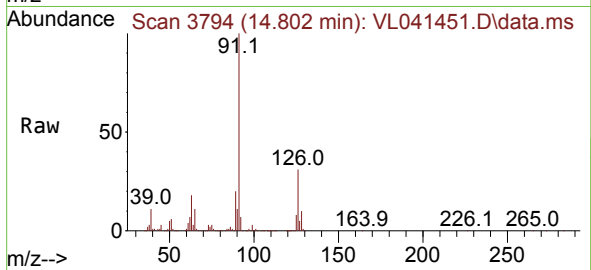




#71
2-Chlorotoluene
Concen: 8.681 ppbv
RT: 14.802 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

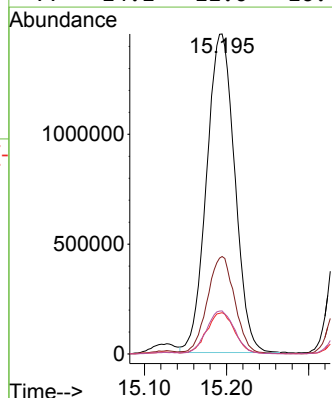
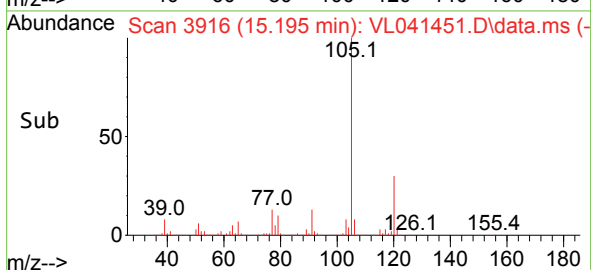
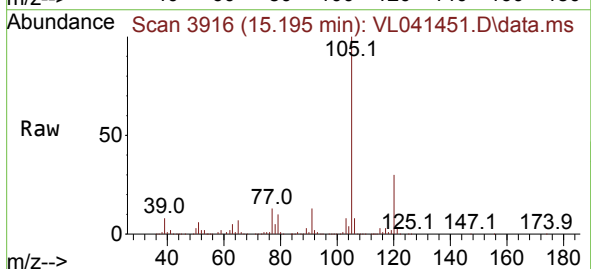
Instrument :
MSVOA_L
ClientSampleId :

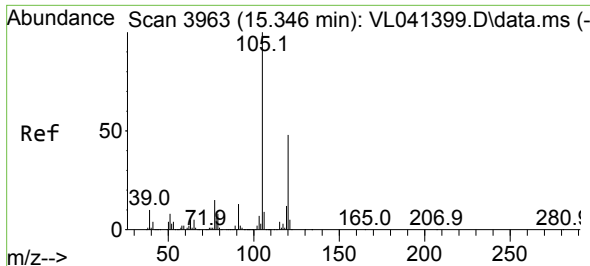
Tgt Ion: 91 Resp: 3203497
Ion Ratio Lower Upper
91 100
126 32.1 12.7 50.9



#72
4-Ethyltoluene
Concen: 8.907 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion:105 Resp: 3451450
Ion Ratio Lower Upper
105 100
120 30.8 24.2 36.2
91 12.8 10.4 15.6
77 14.1 11.0 16.4

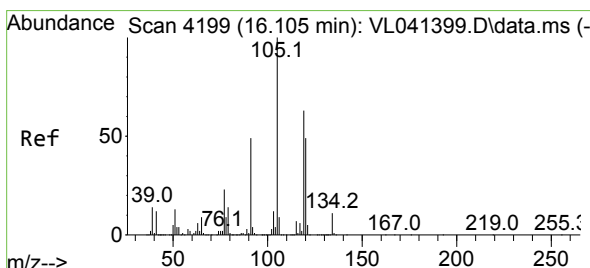
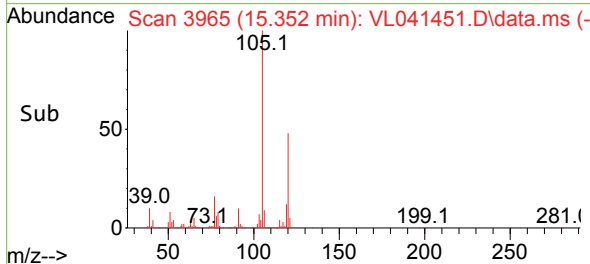
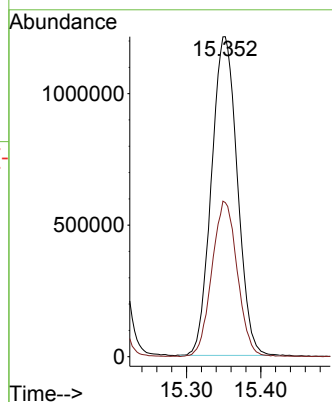
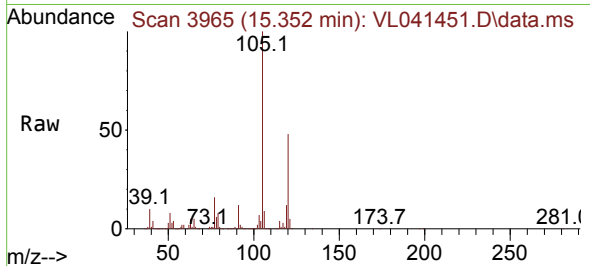




#73
 1,3,5-Trimethylbenzene
 Concen: 8.782 ppbv
 RT: 15.352 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

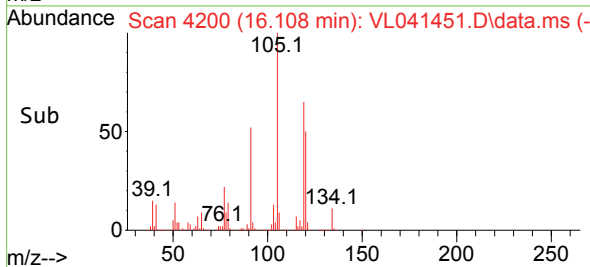
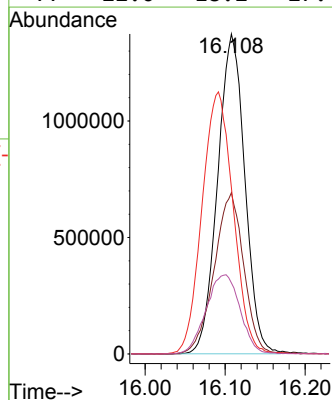
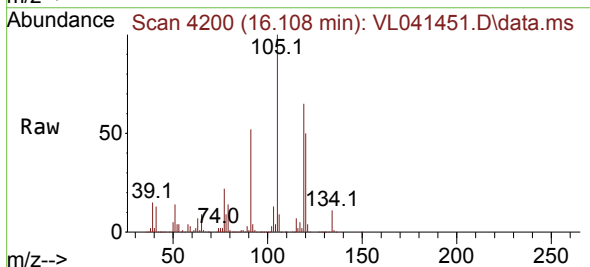
Instrument :
 MSVOA_L
 ClientSampleId :

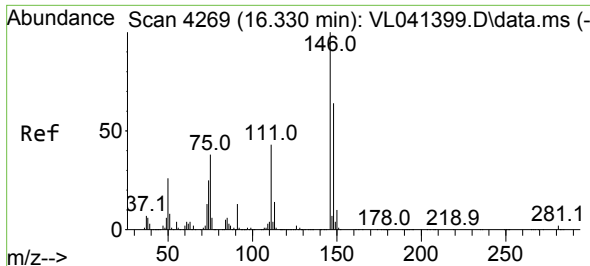
Tgt Ion:105 Resp: 2931715
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 8.350 ppbv
 RT: 16.108 min Scan# 4200
 Delta R.T. 0.000 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion:105 Resp: 3240681
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.5 59.3
 91 51.6 39.8 59.8
 77 22.0 18.2 27.4

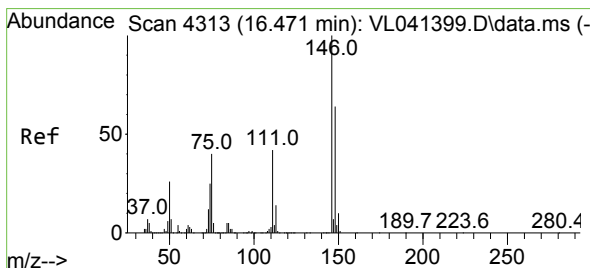
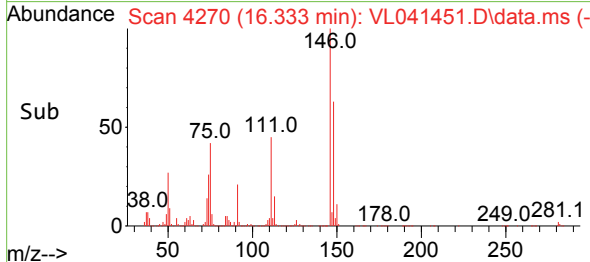
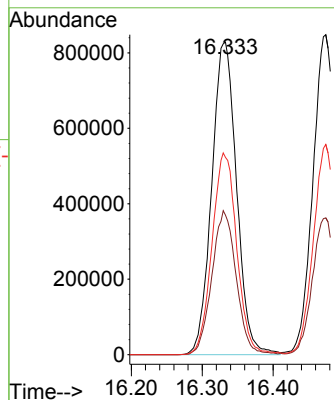
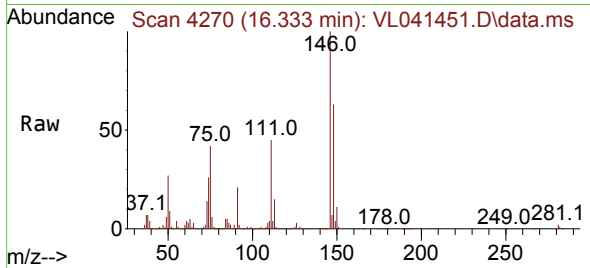




#75
1,3-Dichlorobenzene
Concen: 8.264 ppbv
RT: 16.333 min Scan# 4270
Delta R.T. 0.003 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

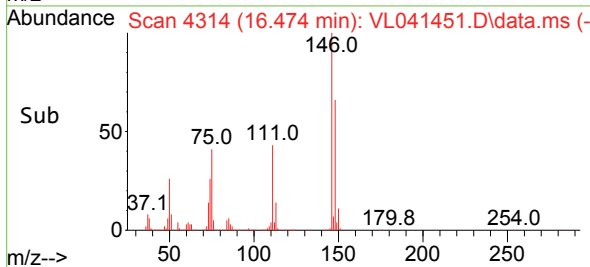
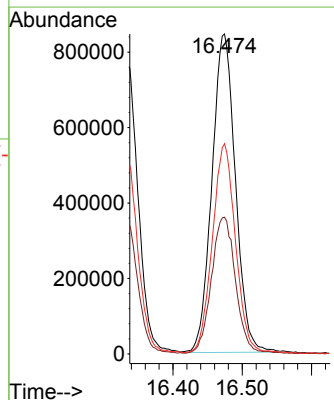
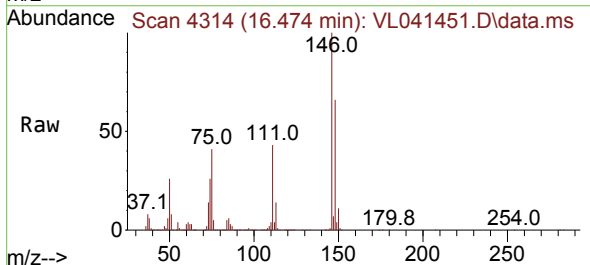
Instrument :
MSVOA_L
ClientSampleId :

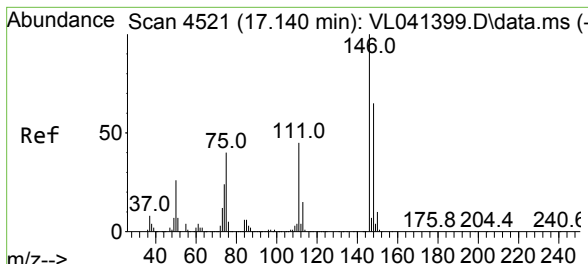
Tgt Ion:146 Resp: 2016144
Ion Ratio Lower Upper
146 100
111 45.2 22.6 67.8
148 64.4 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 8.424 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. 0.000 min
Lab File: VL041451.D
Acq: 30 Jul 2024 5:53

Tgt Ion:146 Resp: 1990201
Ion Ratio Lower Upper
146 100
111 44.5 22.4 67.0
148 66.2 33.1 99.5

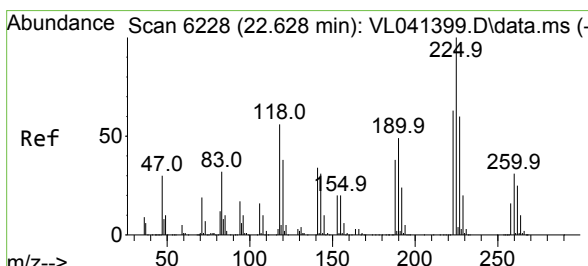
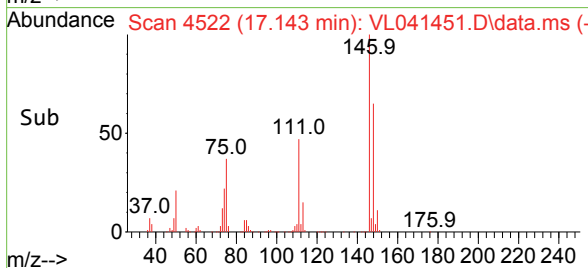
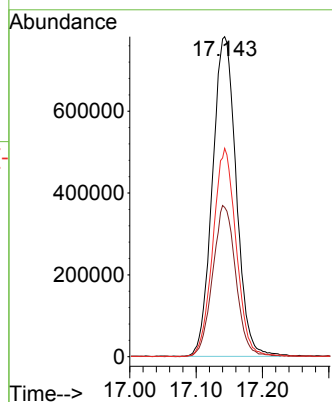
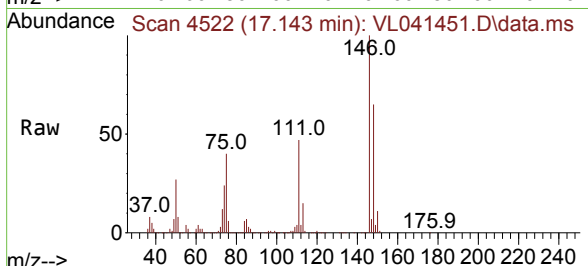




#77
 1,2-Dichlorobenzene
 Concen: 8.057 ppbv
 RT: 17.143 min Scan# 4521
 Delta R.T. 0.000 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

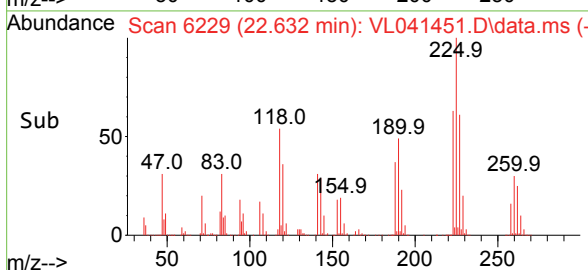
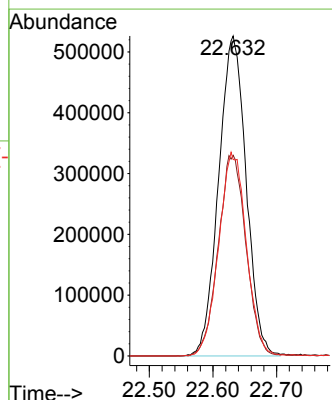
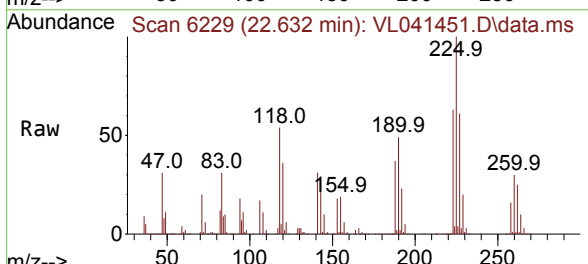
Instrument :
 MSVOA_L
 ClientSampleId :

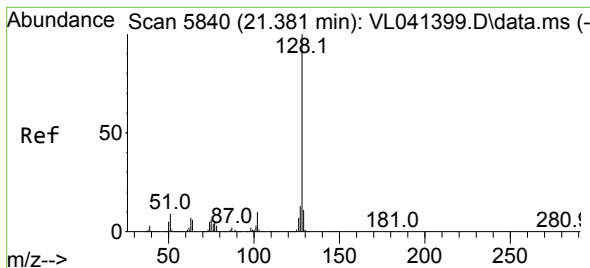
Tgt Ion:146 Resp: 1948658
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.4 70.0
 148 63.6 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.678 ppbv
 RT: 22.632 min Scan# 6229
 Delta R.T. 0.000 min
 Lab File: VL041451.D
 Acq: 30 Jul 2024 5:53

Tgt Ion:225 Resp: 1583638
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.6 76.0
 227 64.3 50.8 76.2





#79

Naphthalene

Concen: 10.376 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.000 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :

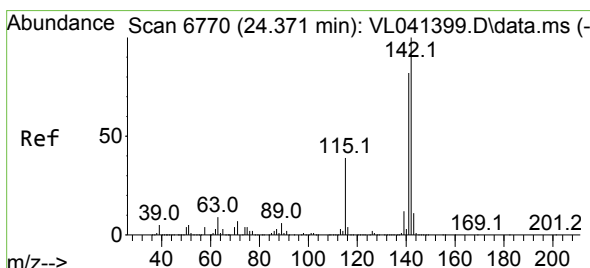
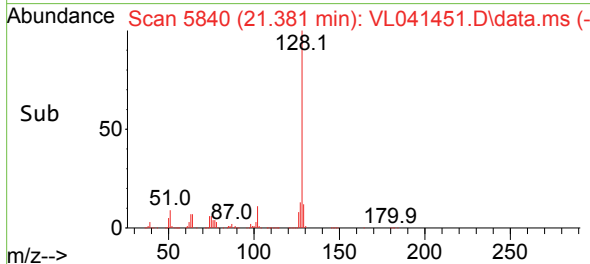
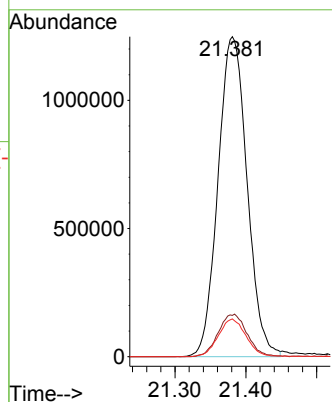
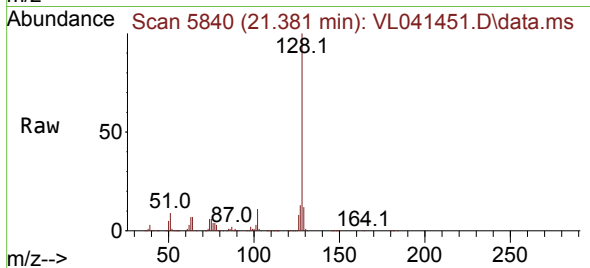
Tgt Ion:128 Resp: 3554648

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.8 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 5.834 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.003 min

Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

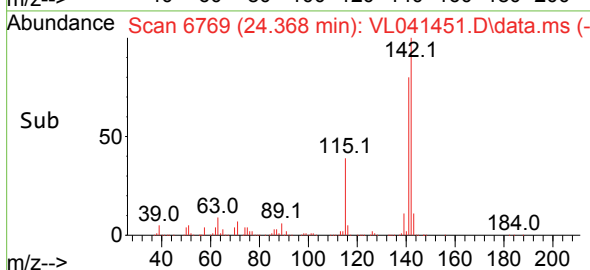
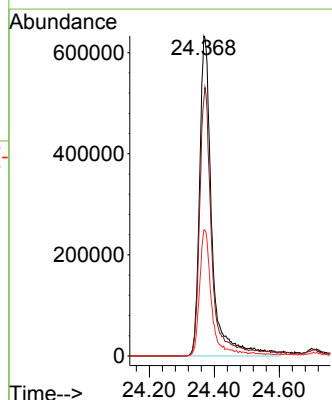
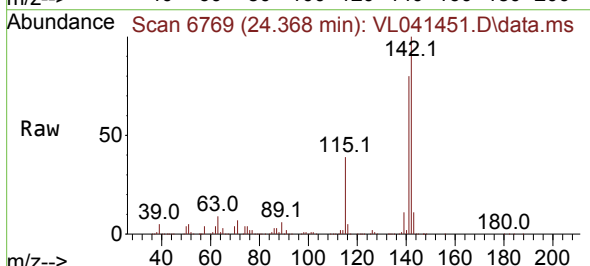
Tgt Ion:142 Resp: 1675218

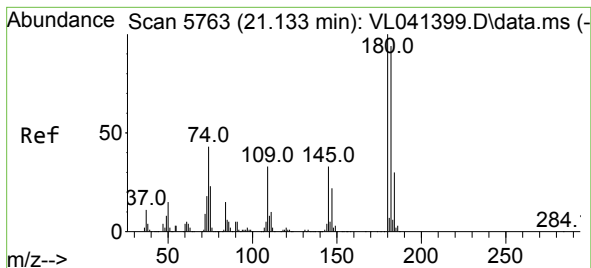
Ion Ratio Lower Upper

142 100

141 84.6 67.0 100.4

115 40.0 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 9.154 ppbv

RT: 21.136 min Scan# 51

Delta R.T. 0.000 min

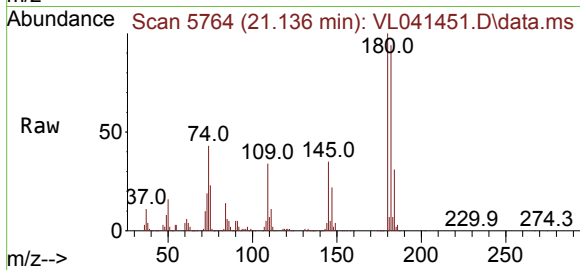
Lab File: VL041451.D

Acq: 30 Jul 2024 5:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1866215

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

184 30.4 24.5 36.7

