

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041457.D
 Acq On : 31 Jul 2024 10:54
 Operator : SY/MD
 Sample : P3390-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 01 03:52:51 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 : Thu Aug 01 02:36:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	978040	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2740064	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2548367	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2002089	10.209	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	106844	0.635	ppbv	96
3) Chlorodifluoromethane	2.677	51	67151	0.577	ppbv	100
4) Chloromethane	2.816	50	33786	0.546	ppbv	95
5) Vinyl Chloride	2.922	62	30625	0.502	ppbv #	87
6) Bromomethane	3.121	94	17010	0.542	ppbv	96
7) Chloroethane	3.201	64	11501	0.546	ppbv #	86
8) Dichlorotetrafluoroethane	2.861	85	84591	0.567	ppbv	97
9) Propene	2.700	41	29472	0.551	ppbv	99
10) Heptane	7.587	43	23462	0.195	ppbv #	27
11) Trichlorofluoromethane	3.565	101	77609	0.519	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	60200	0.559	ppbv	98
13) Ethanol	3.259	45	1521	0.318	ppbv #	36
14) Bromoethene	3.372	108	21295	0.508	ppbv	94
15) Acetone	3.484	43	61573	0.554	ppbv #	87
16) 1,3-Butadiene	2.989	39	28349	0.477	ppbv	87
17) tert-Butyl alcohol	3.899	59	51191	0.505	ppbv	94
18) 1,1-Dichloroethene	3.883	96	25029	0.544	ppbv	95
19) Isopropyl Alcohol	3.594	45	31599	0.486	ppbv #	86
20) Methylene Chloride	3.938	84	24867	0.600	ppbv	98
21) Allyl Chloride	3.999	41	33007	0.453	ppbv #	84
22) trans-1,2-Dichloroethene	4.449	96	23263	0.505	ppbv	96
23) Vinyl Acetate	4.635	43	36518	0.430	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	53728	0.538	ppbv	98
25) Ethyl Acetate	5.214	43	109904	0.498	ppbv	97
26) Hexane	5.214	57	45674	0.499	ppbv	89
27) Carbon Disulfide	4.131	76	40824	0.381	ppbv #	76
28) Methyl tert-Butyl Ether	4.600	73	29334	0.508	ppbv	94
29) Chloroform	5.275	83	82107	0.550	ppbv	96
30) Cyclohexane	6.606	84	34385	0.461	ppbv	87
31) cis-1,2-Dichloroethene	5.082	61	37701	0.417	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	73923	0.508	ppbv	97
34) 2-Butanone	4.803	43	64599	0.487	ppbv	99
35) Carbon Tetrachloride	6.497	117	72282	0.478	ppbv	93
36) Benzene	6.372	78	59349	0.296	ppbv	95
37) 1,2-Dichloroethane	5.812	62	55951	0.499	ppbv	100
38) Trichloroethene	7.291	130	42581	0.464	ppbv	99
39) 1,2-Dichloropropane	7.073	63	39573	0.516	ppbv	90
40) 1,4-Dioxane	7.307	88	1548	0.050	ppbv #	1
41) Tetrahydrofuran	5.584	42	35294	0.466	ppbv	93
42) Bromodichloromethane	7.246	83	75793	0.468	ppbv #	84
43) Methyl Methacrylate	7.481	69	30158	0.420	ppbv	95
44) 2,2,4-Trimethylpentane	7.330	57	83820	0.251	ppbv #	30
45) t-1,3-Dichloropropene	8.712	75	1981	0.030	ppbv	93

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Quant Time: Aug 01 03:52:51 2024
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 01 02:36:30 2024
 Response via : Initial Calibration

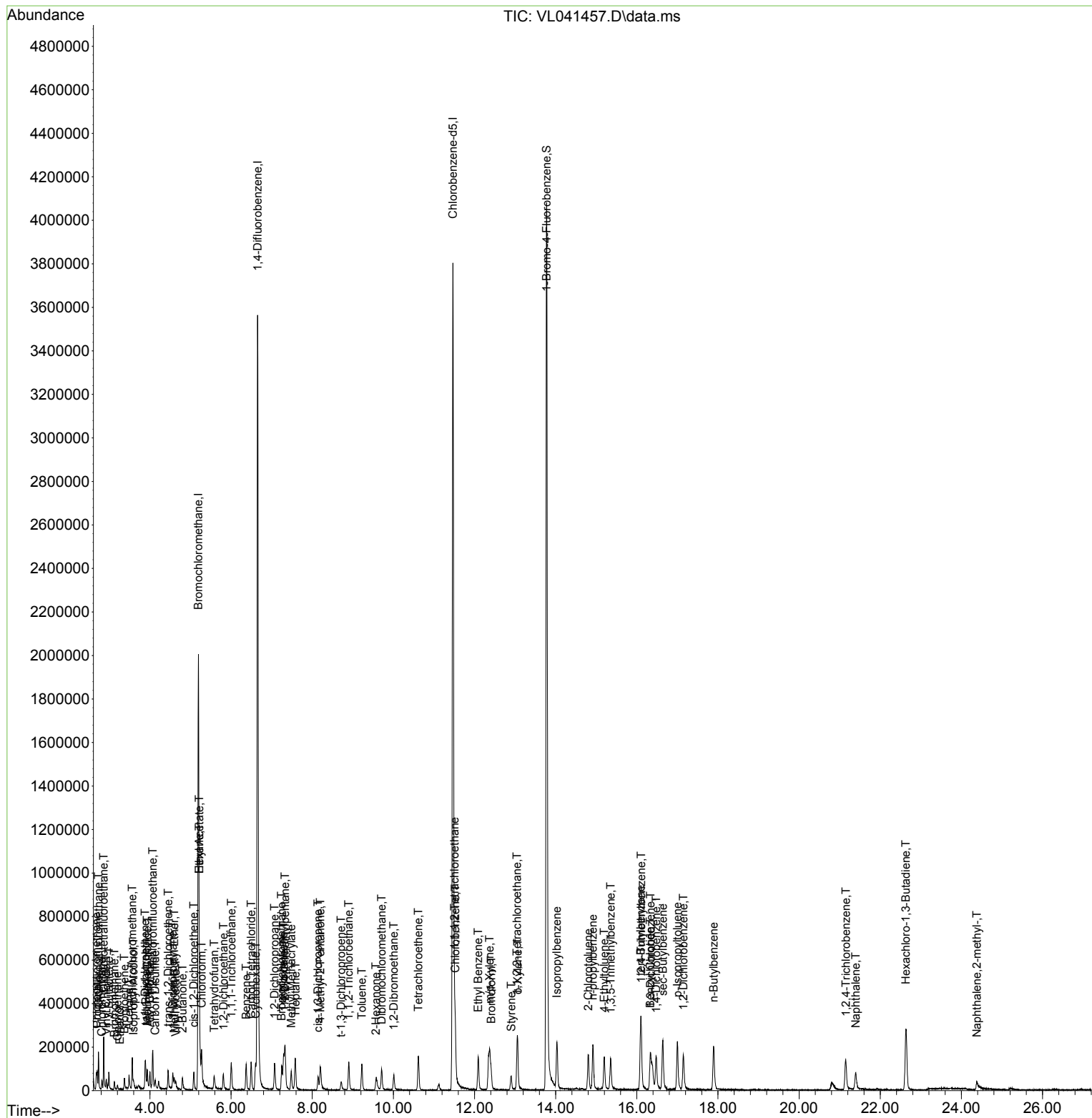
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	32053	0.336	ppbv #	94
47) 1,1,2-Trichloroethane	8.899	97	42115	0.498	ppbv #	92
48) Dibromochloromethane	9.709	129	55526	0.408	ppbv	98
49) Bromoform	12.410	173	26916	0.234	ppbv #	39
50) 4-Methyl-2-Pentanone	8.198	43	39547	0.189	ppbv #	40
51) 2-Hexanone	9.568	43	18639	0.118	ppbv #	30
52) Tetrachloroethene	10.616	164	36832	0.476	ppbv	98
53) Toluene	9.224	91	94287	0.423	ppbv	97
54) 1,2-Dibromoethane	10.011	107	54705	0.486	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.510	131	50027	0.506	ppbv #	1
57) Chlorobenzene	11.526	112	101240	0.558	ppbv #	94
58) Ethyl Benzene	12.092	91	126271	0.430	ppbv	96
59) m/p-Xylene	12.371	91	5495	0.022	ppbv #	1
60) o-Xylene	13.063	91	110722	0.462	ppbv	100
61) Styrene	12.905	104	20252	0.187	ppbv #	26
62) Isopropylbenzene	14.031	105	120027	0.329	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.050	83	82646	0.546	ppbv	97
64) n-propylbenzene	14.918	120	42032	0.441	ppbv	68
65) tert-Butylbenzene	16.095	119	112988	0.343	ppbv #	64
66) Benzyl Chloride	16.333	91	1717	0.081	ppbv #	50
67) sec-Butylbenzene	16.641	105	218935	0.482	ppbv	99
69) p-Isopropyltoluene	17.001	119	164235	0.436	ppbv	95
70) n-Butylbenzene	17.895	91	174958	0.453	ppbv	96
71) 2-Chlorotoluene	14.802	91	124256	0.462	ppbv	98
72) 4-Ethyltoluene	15.198	105	119775	0.424	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.355	105	107738	0.443	ppbv	95
74) 1,2,4-Trimethylbenzene	16.111	105	136021	0.481	ppbv #	93
75) 1,3-Dichlorobenzene	16.339	146	84277	0.474	ppbv	93
76) 1,4-Dichlorobenzene	16.481	146	35274	0.205	ppbv #	8
77) 1,2-Dichlorobenzene	17.146	146	86198	0.489	ppbv	95
78) Hexachloro-1,3-Butadiene	22.631	225	81325	0.541	ppbv	97
79) Naphthalene	21.397	128	99161	0.397	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	29272	0.140	ppbv #	78
81) 1,2,4-Trichlorobenzene	21.152	180	43655	0.294	ppbv #	56

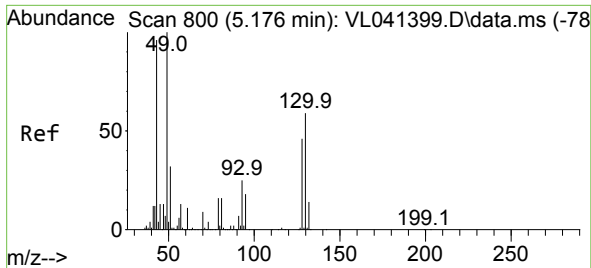
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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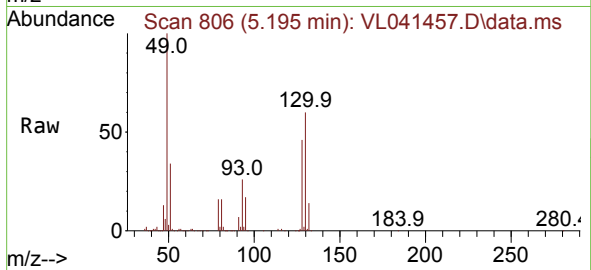
Quant Time: Aug 01 03:52:51 2024
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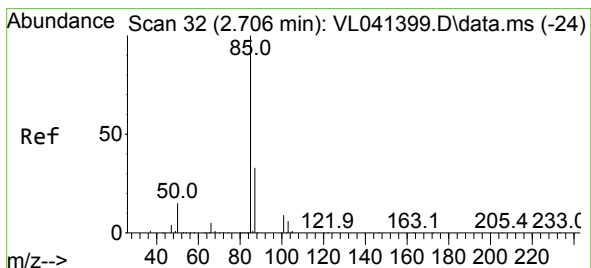
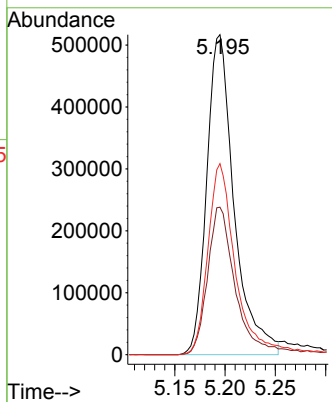
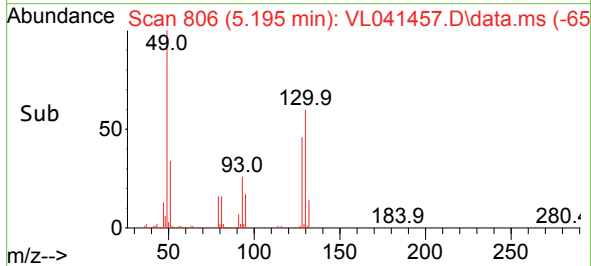


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

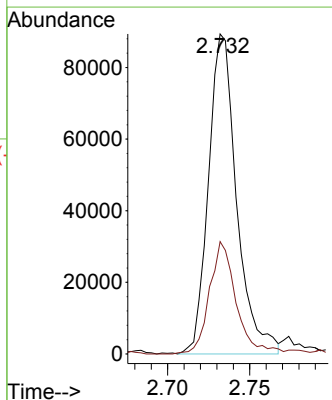
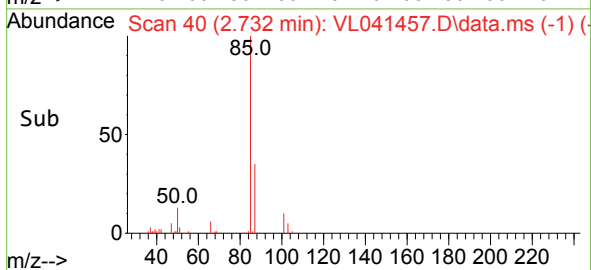
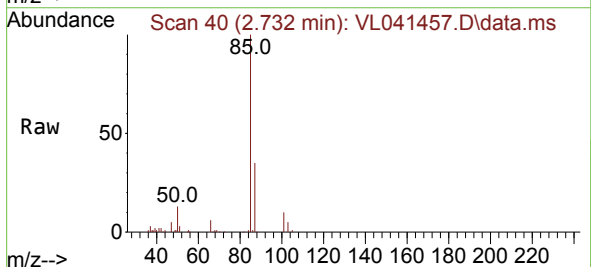


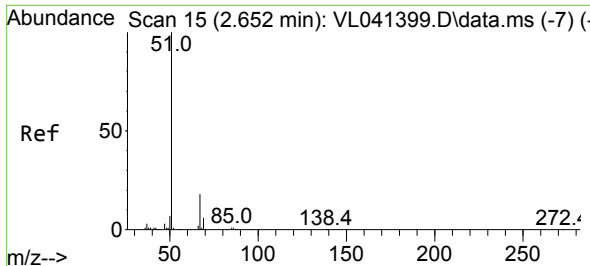
Tgt Ion: 49 Resp: 978040
Ion Ratio Lower Upper
49 100
128 48.9 23.8 71.4
130 62.2 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.635 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

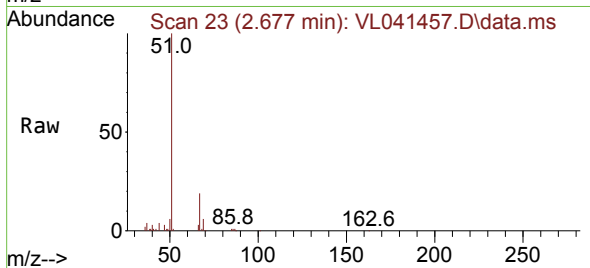
Tgt Ion: 85 Resp: 106844
Ion Ratio Lower Upper
85 100
87 34.7 26.0 39.0



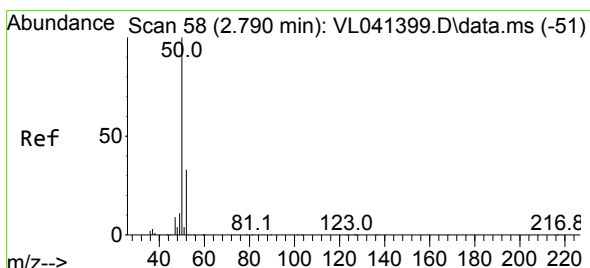
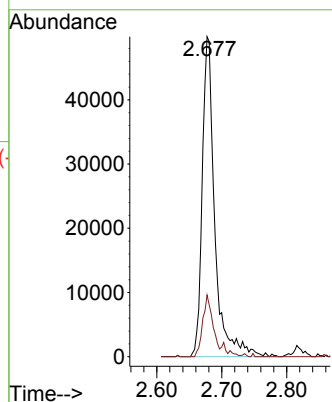
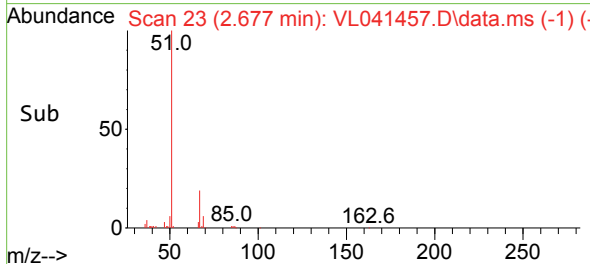


#3
Chlorodifluoromethane
Concen: 0.577 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

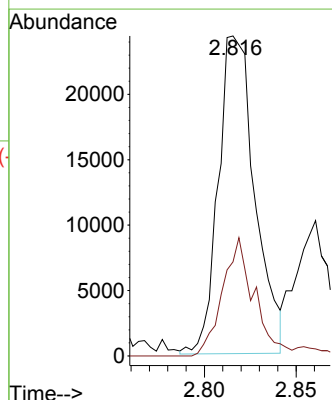
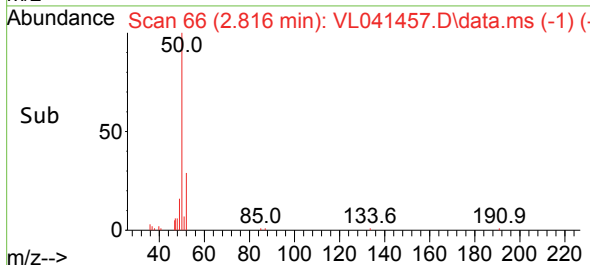
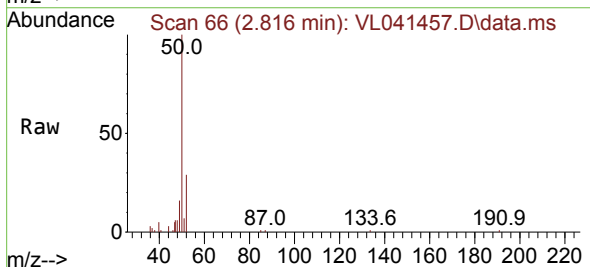


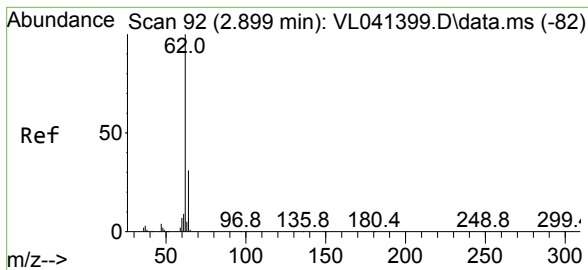
Tgt Ion: 51 Resp: 67151
Ion Ratio Lower Upper
51 100
67 18.2 14.5 21.7



#4
Chloromethane
Concen: 0.546 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 50 Resp: 33786
Ion Ratio Lower Upper
50 100
52 29.9 26.1 39.1

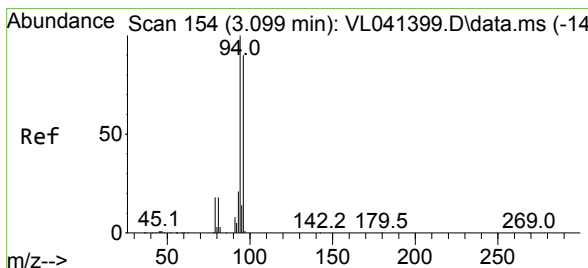
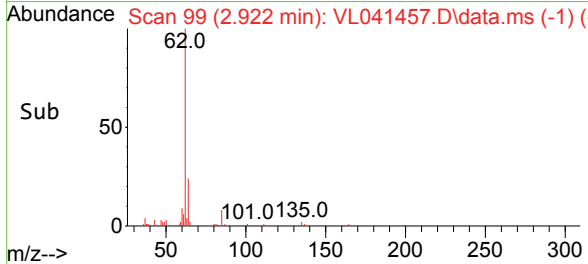
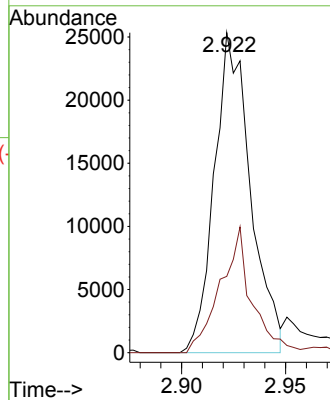
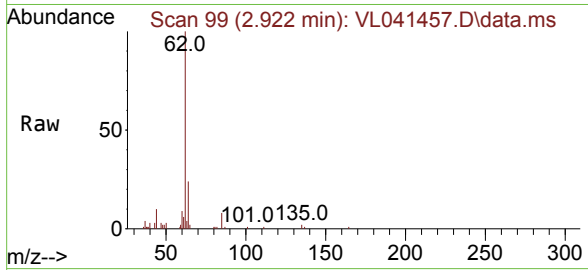




#5
 Vinyl Chloride
 Concen: 0.502 ppbv
 RT: 2.922 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

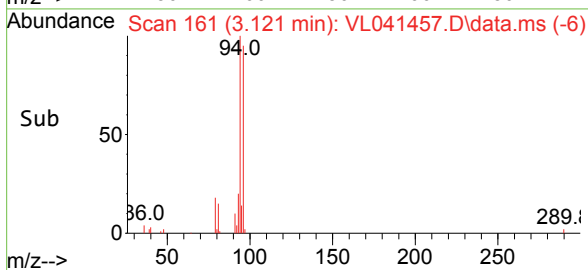
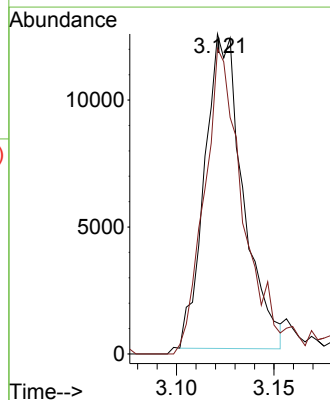
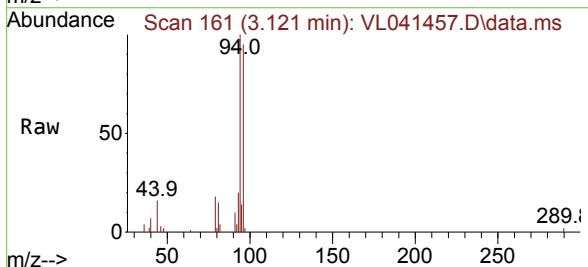
Instrument :
 MSVOA_L
 ClientSampleId :

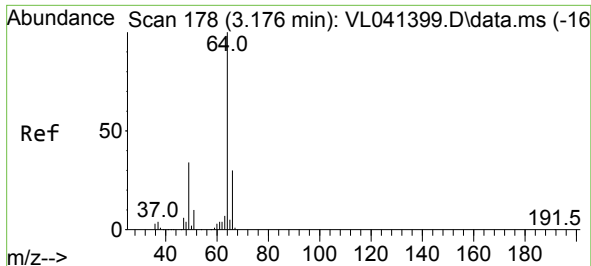
Tgt Ion: 62 Resp: 30625
 Ion Ratio Lower Upper
 62 100
 64 23.8 25.0 37.4#



#6
 Bromomethane
 Concen: 0.542 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

Tgt Ion: 94 Resp: 17010
 Ion Ratio Lower Upper
 94 100
 96 94.2 72.3 108.5

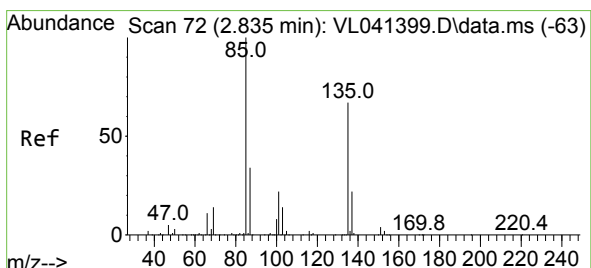
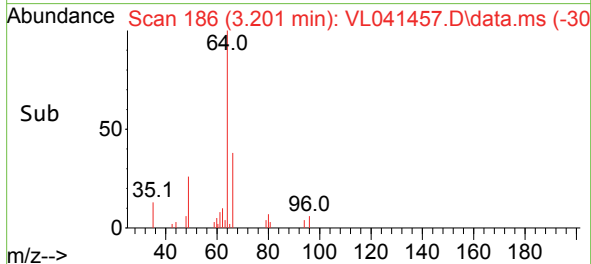
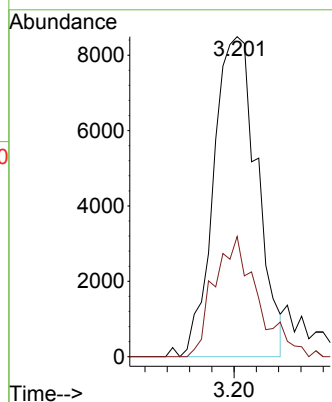
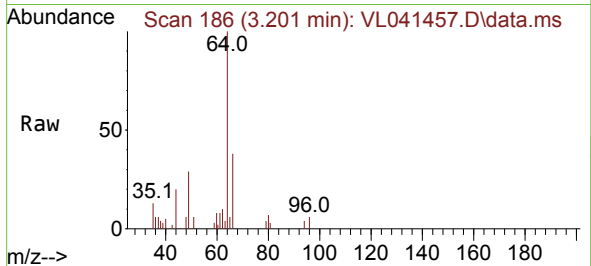




#7
Chloroethane
Concen: 0.546 ppbv
RT: 3.201 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

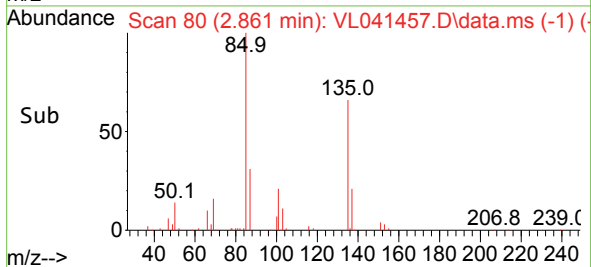
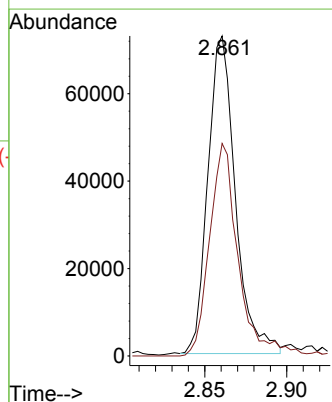
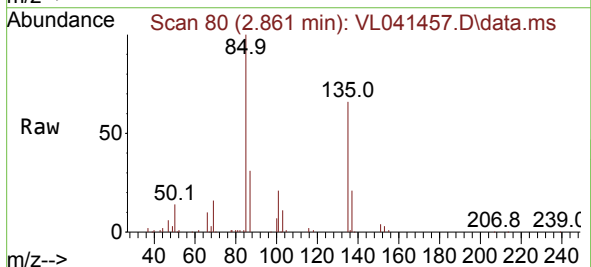
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MSVOA_L
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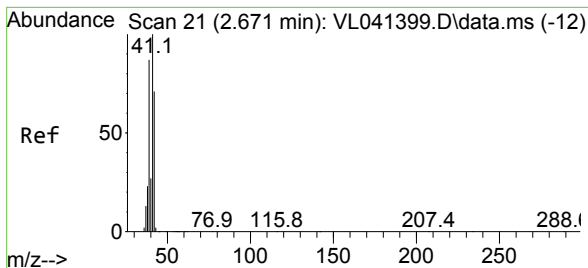
Tgt Ion: 64 Resp: 11501
Ion Ratio Lower Upper
64 100
66 37.6 24.2 36.2#



#8
Dichlorotetrafluoroethane
Concen: 0.567 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 85 Resp: 84591
Ion Ratio Lower Upper
85 100
135 71.3 55.4 83.0





#9

Propene

Concen: 0.551 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

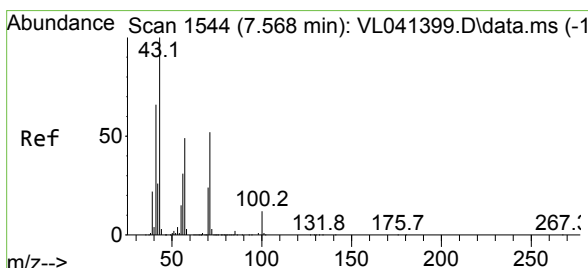
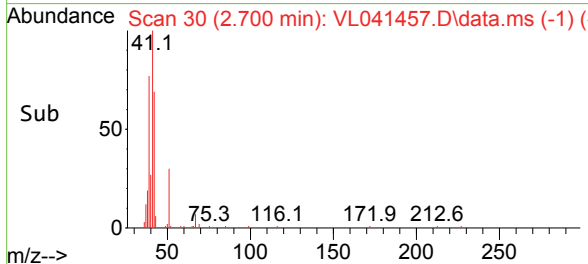
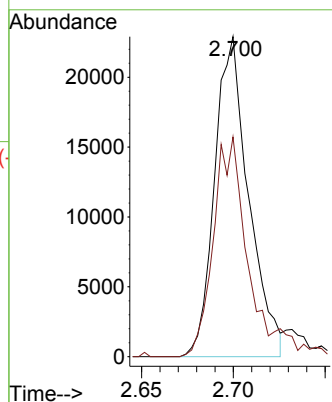
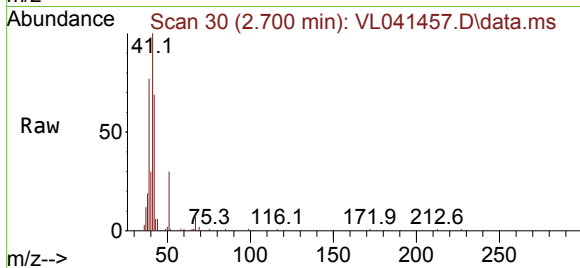
ClientSampleId :

Tgt Ion: 41 Resp: 29472

Ion Ratio Lower Upper

41 100

42 70.9 55.9 83.9



#10

Heptane

Concen: 0.195 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.003 min

Lab File: VL041457.D

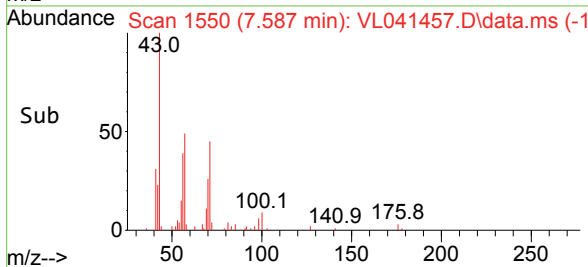
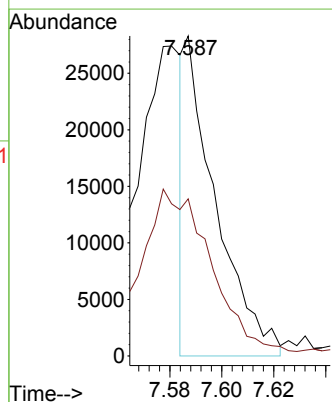
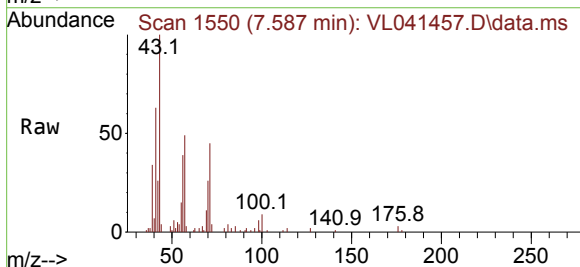
Acq: 31 Jul 2024 10:54

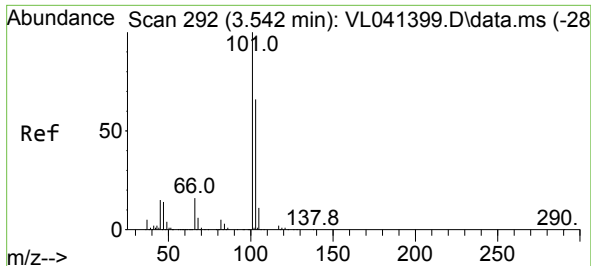
Tgt Ion: 43 Resp: 23462

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#

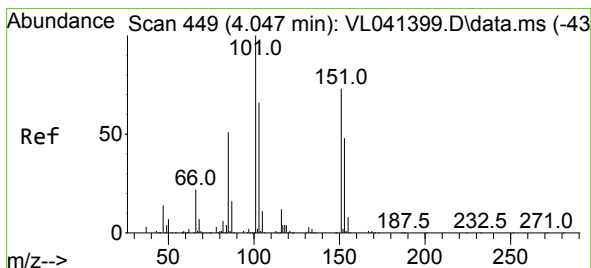
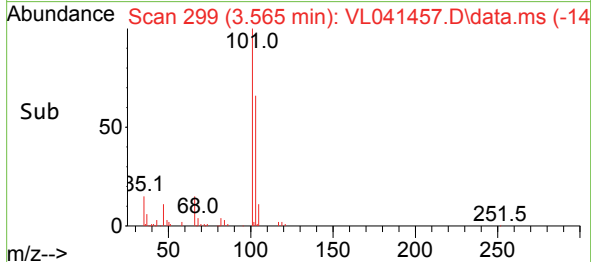
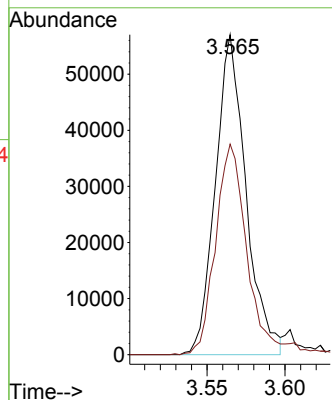
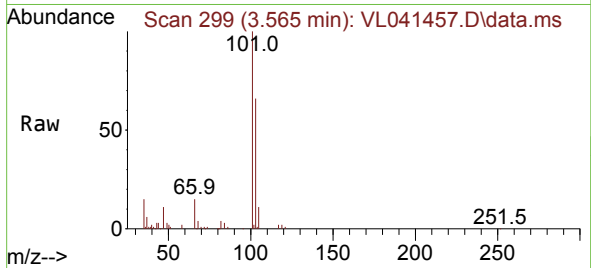




#11
 Trichlorofluoromethane
 Concen: 0.519 ppbv
 RT: 3.565 min Scan# 292
 Delta R.T. -0.000 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

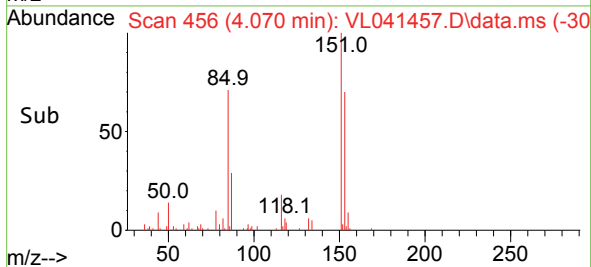
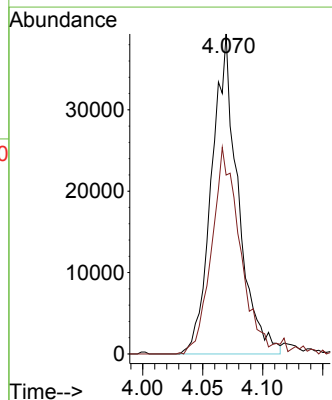
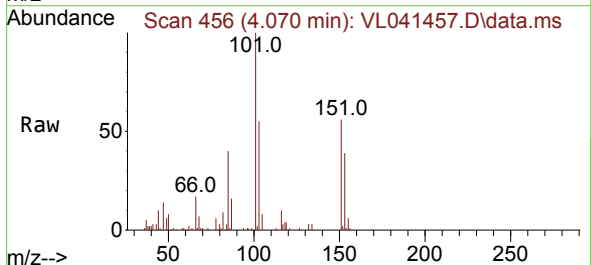
Instrument :
 MSVOA_L
 ClientSampleId :

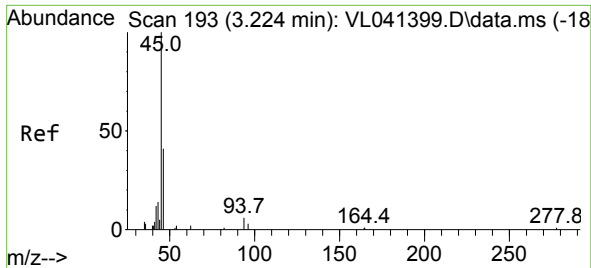
Tgt Ion:101 Resp: 77609
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.559 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.003 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

Tgt Ion:101 Resp: 60200
 Ion Ratio Lower Upper
 101 100
 151 72.4 59.4 89.2

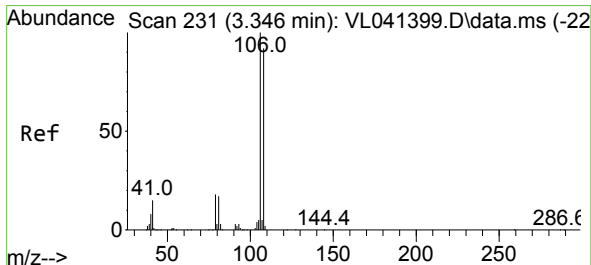
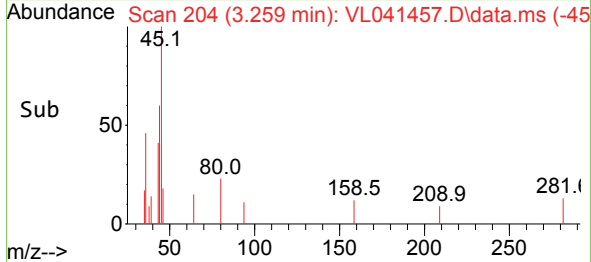
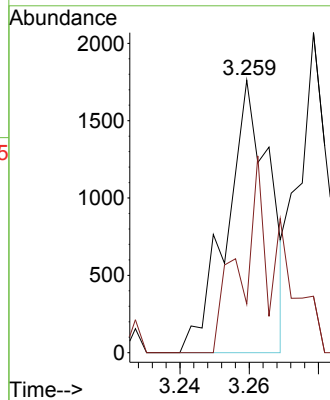
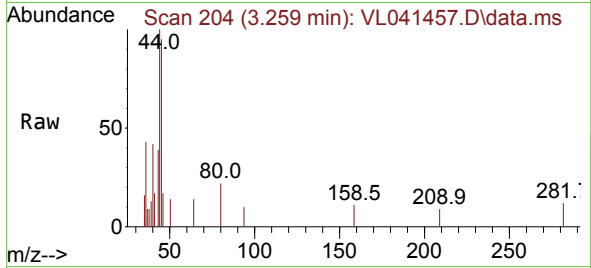




#13
Ethanol
Concen: 0.318 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.013 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

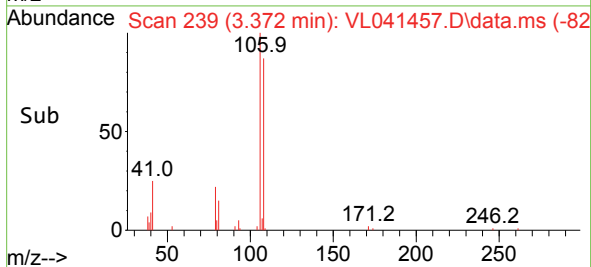
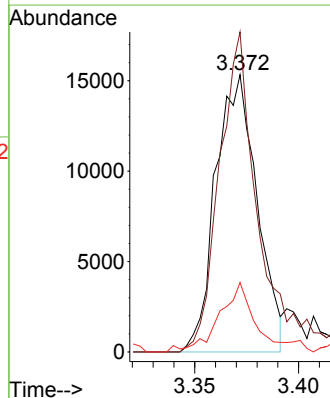
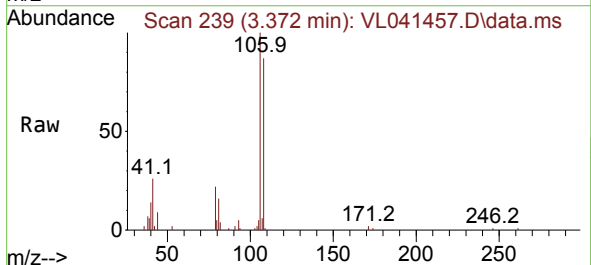
Instrument :
MSVOA_L
ClientSampleId :

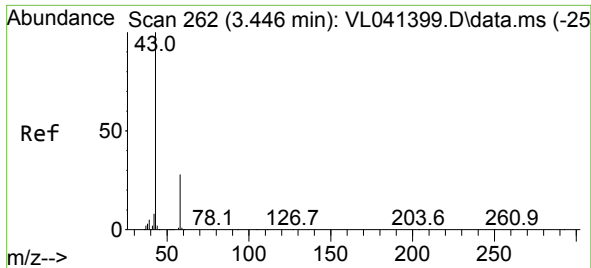
Tgt Ion: 45 Resp: 1521
Ion Ratio Lower Upper
45 100
46 69.9 13.4 53.4#



#14
Bromoethene
Concen: 0.508 ppbv
RT: 3.372 min Scan# 239
Delta R.T. 0.006 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion:108 Resp: 21295
Ion Ratio Lower Upper
108 100
106 114.6 86.9 130.3
79 22.5 16.2 24.4





#15

Acetone

Concen: 0.554 ppbv

RT: 3.484 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

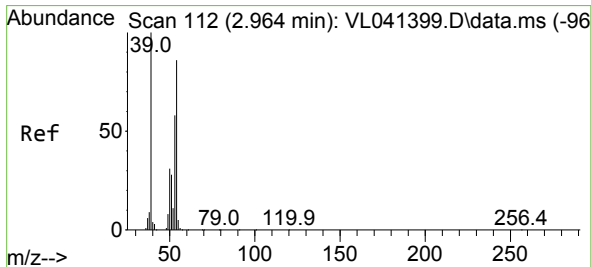
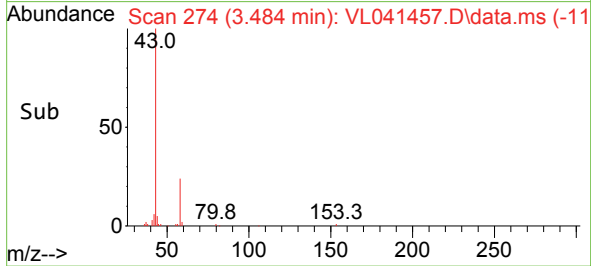
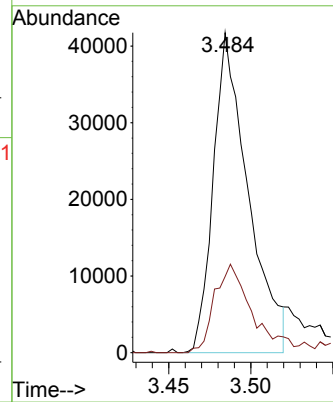
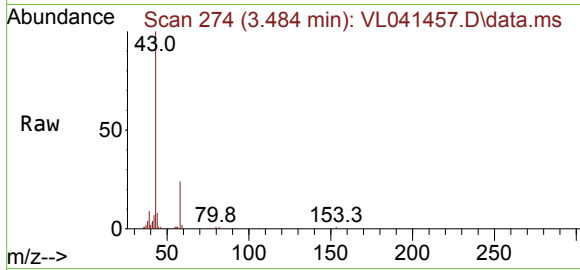
ClientSampleId :

Tgt Ion: 43 Resp: 61573

Ion Ratio Lower Upper

43 100

58 33.4 21.4 32.2#



#16

1,3-Butadiene

Concen: 0.477 ppbv

RT: 2.989 min Scan# 120

Delta R.T. 0.003 min

Lab File: VL041457.D

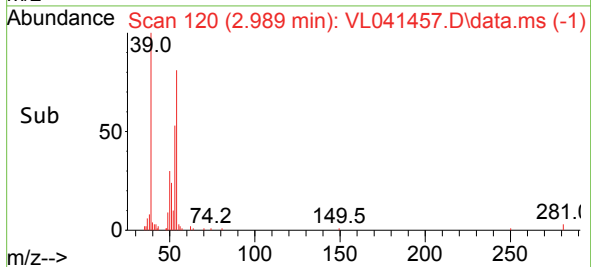
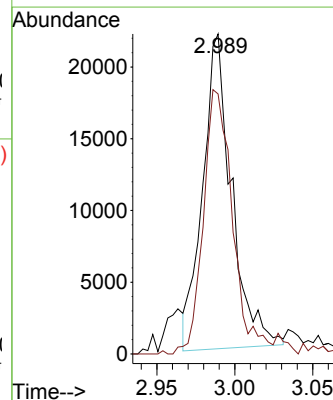
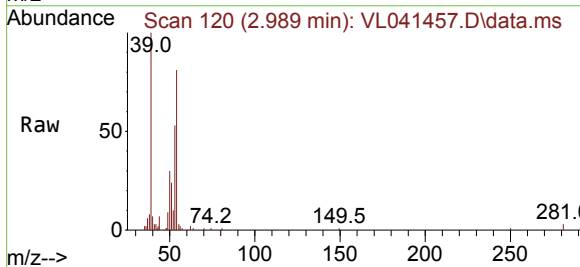
Acq: 31 Jul 2024 10:54

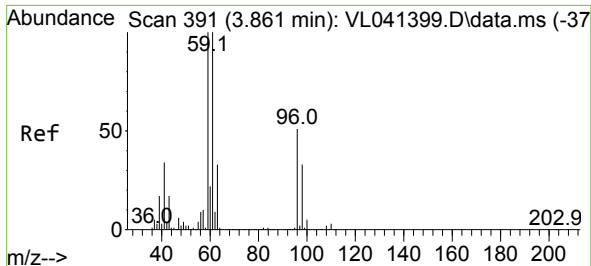
Tgt Ion: 39 Resp: 28349

Ion Ratio Lower Upper

39 100

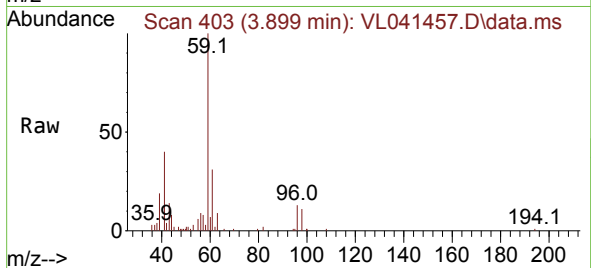
54 89.7 62.5 93.7



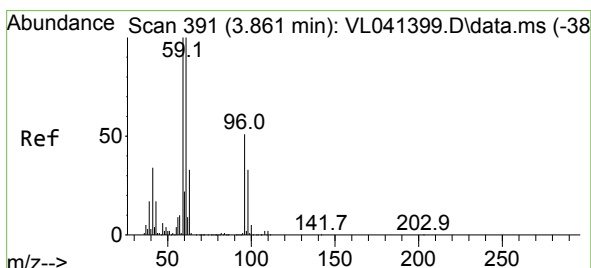
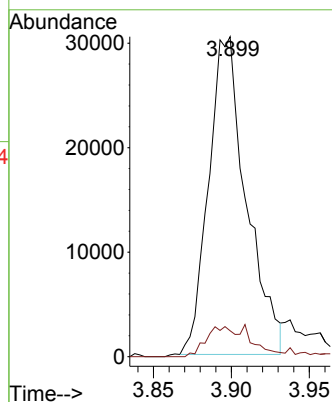
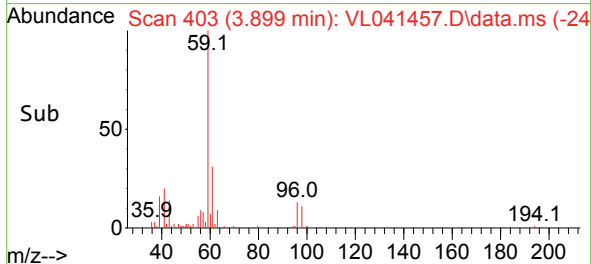


#17
 tert-Butyl alcohol
 Concen: 0.505 ppbv
 RT: 3.899 min Scan# 403
 Delta R.T. 0.022 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

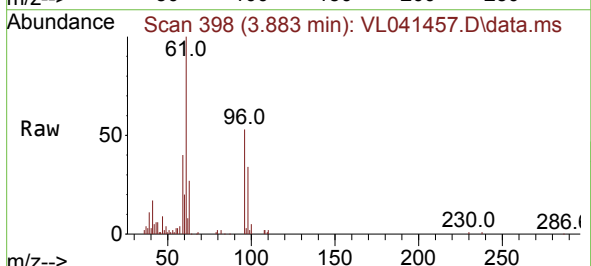
Instrument :
 MSVOA_L
 ClientSampleId :



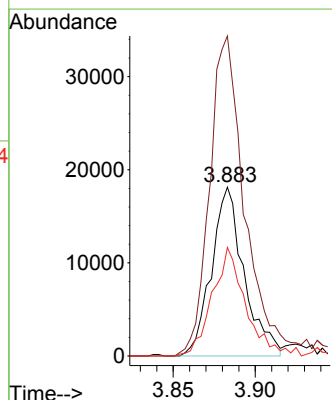
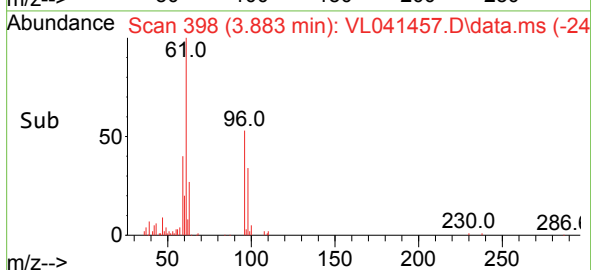
Tgt Ion: 59 Resp: 51191
 Ion Ratio Lower Upper
 59 100
 57 12.8 8.6 12.8

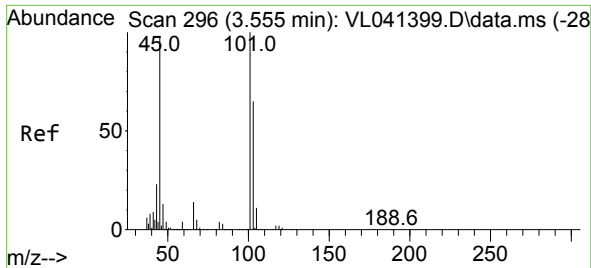


#18
 1,1-Dichloroethene
 Concen: 0.544 ppbv
 RT: 3.883 min Scan# 398
 Delta R.T. 0.003 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54



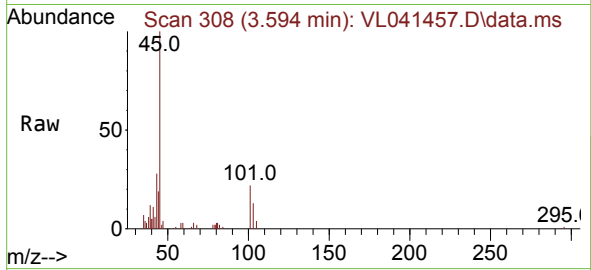
Tgt Ion: 96 Resp: 25029
 Ion Ratio Lower Upper
 96 100
 61 187.4 157.5 236.3
 98 63.1 51.2 76.8



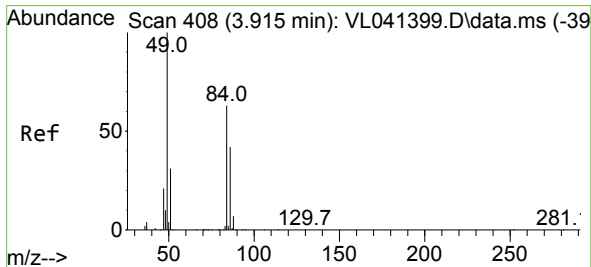
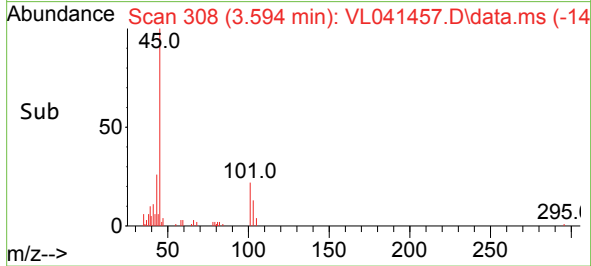
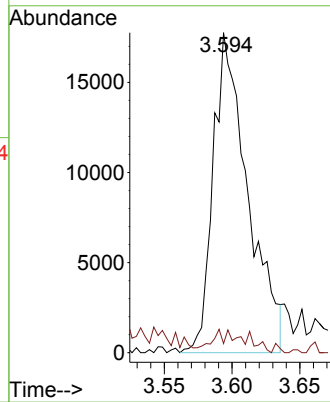


#19
Isopropyl Alcohol
Concen: 0.486 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.019 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

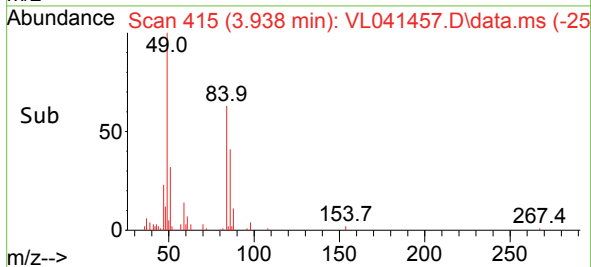
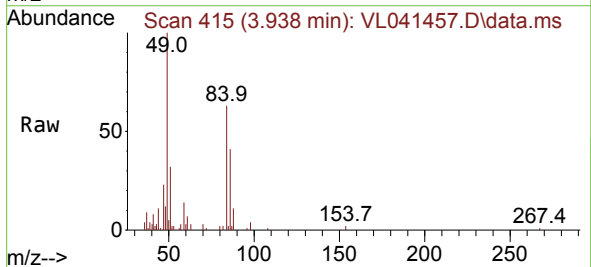
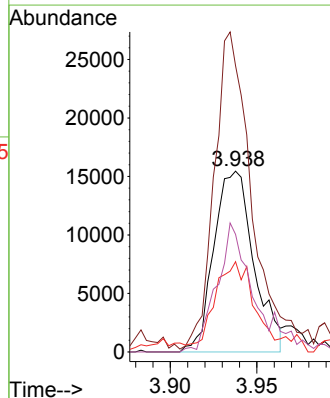


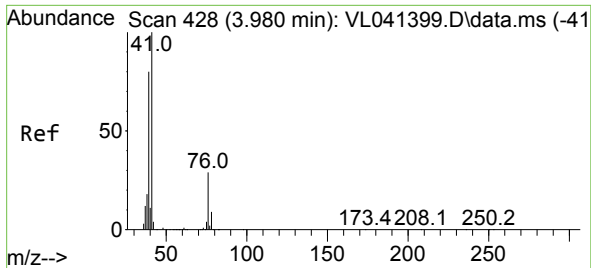
Tgt Ion: 45 Resp: 31599
Ion Ratio Lower Upper
45 100
58 7.0 1.9 2.9#



#20
Methylene Chloride
Concen: 0.600 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 84 Resp: 24867
Ion Ratio Lower Upper
84 100
49 156.6 126.6 190.0
51 44.9 38.6 58.0
86 65.0 53.0 79.4

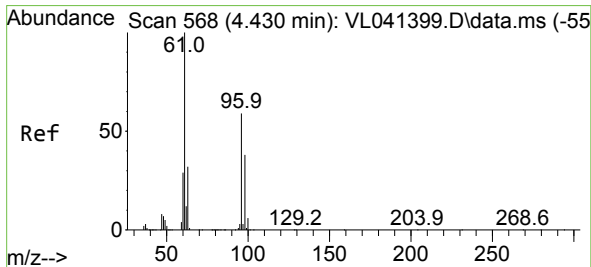
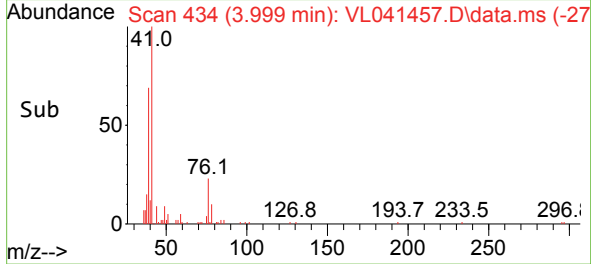
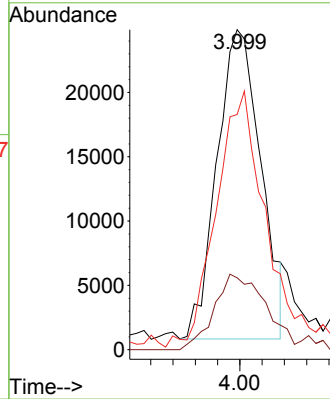
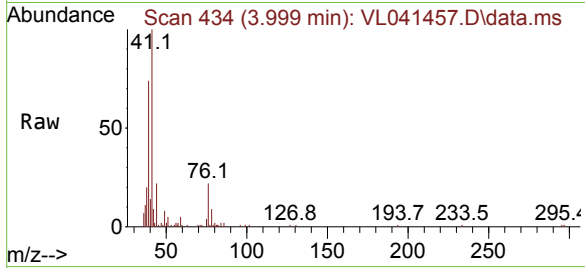




#21
 Allyl Chloride
 Concen: 0.453 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

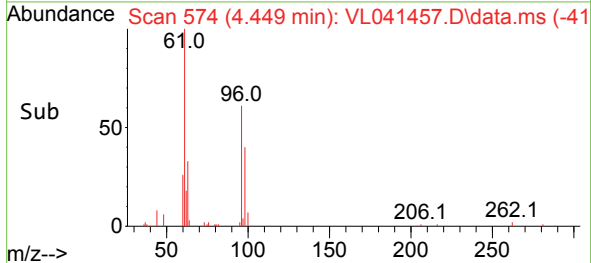
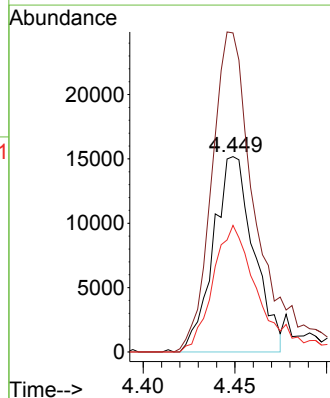
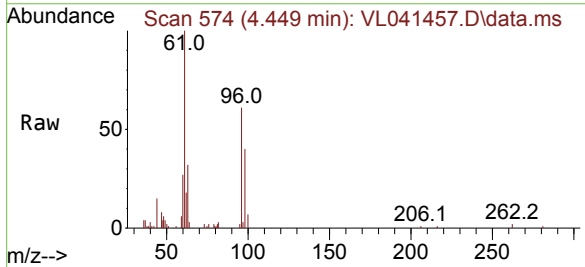
Instrument :
 MSVOA_L
 ClientSampleId :

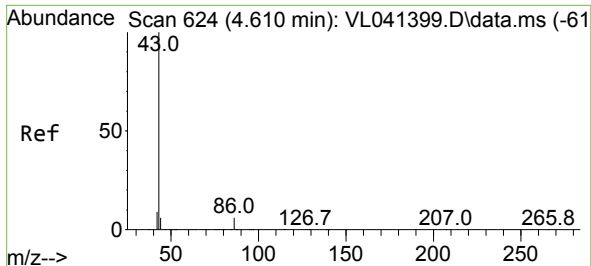
Tgt Ion: 41 Resp: 33007
 Ion Ratio Lower Upper
 41 100
 76 31.4 23.7 35.5
 39 99.1 64.3 96.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.505 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. 0.003 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

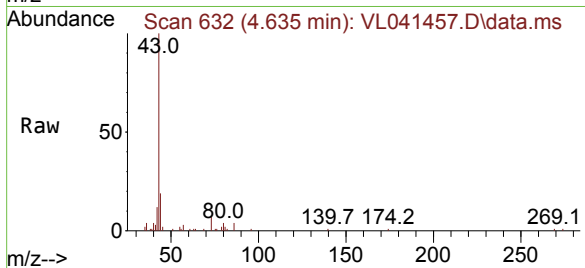
Tgt Ion: 96 Resp: 23263
 Ion Ratio Lower Upper
 96 100
 61 161.7 135.4 203.2
 98 64.8 51.0 76.4



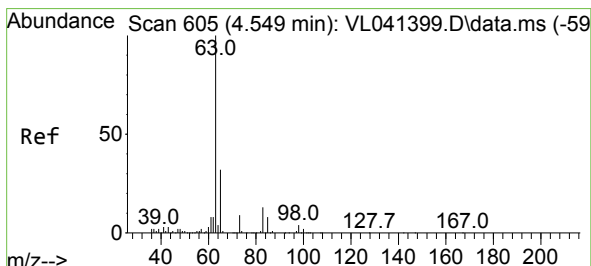
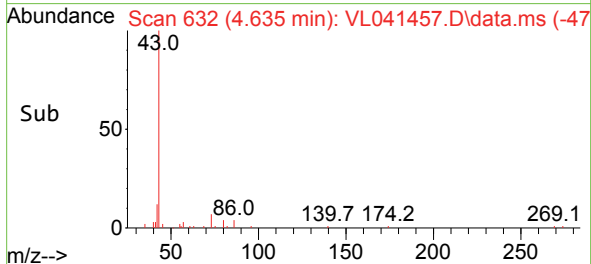
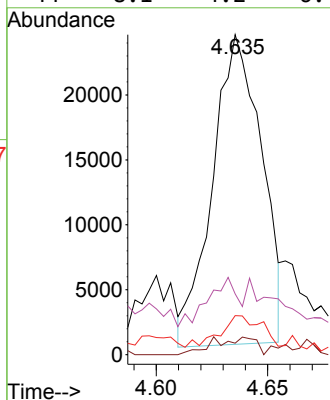


#23
Vinyl Acetate
Concen: 0.430 ppbv
RT: 4.635 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

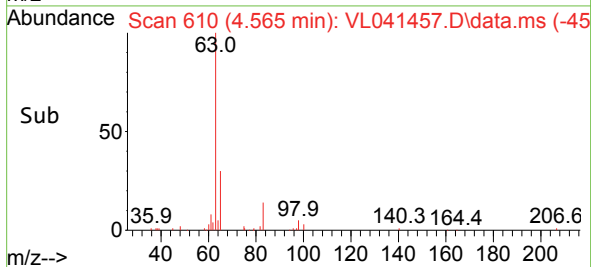
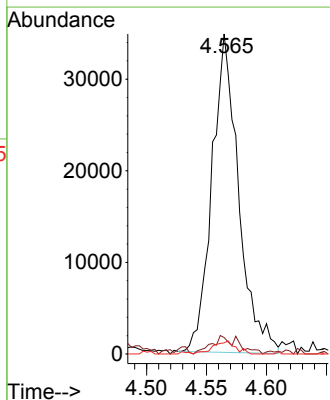
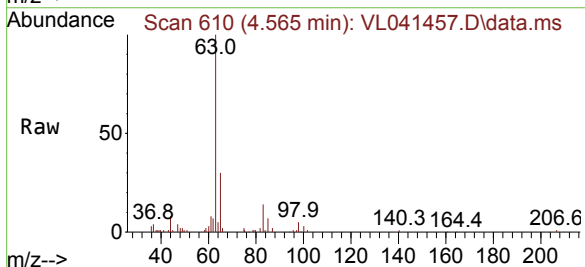


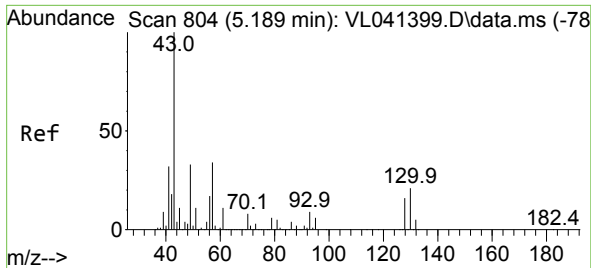
Tgt Ion: 43	Resp: 36518
Ion Ratio	Lower Upper
43	100
86	4.1 4.6 6.8#
42	10.9 7.9 11.9
44	8.1 4.2 6.4#



#24
1,1-Dichloroethane
Concen: 0.538 ppbv
RT: 4.565 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

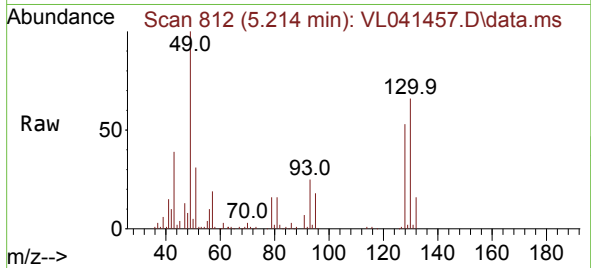
Tgt Ion: 63	Resp: 53728
Ion Ratio	Lower Upper
63	100
98	4.3 2.0 6.0
100	3.5 1.2 3.6



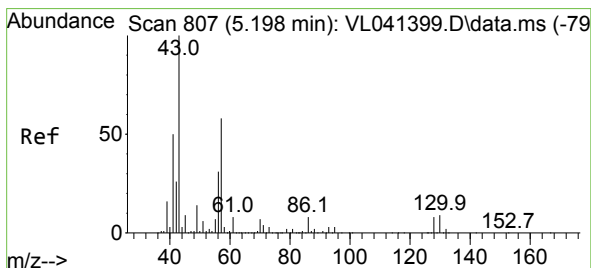
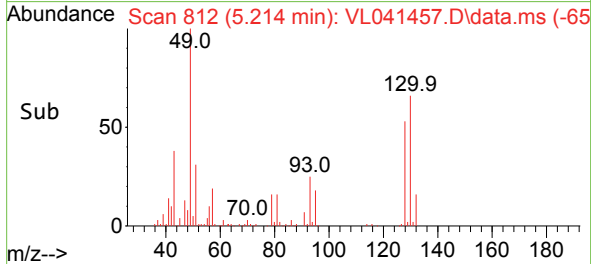
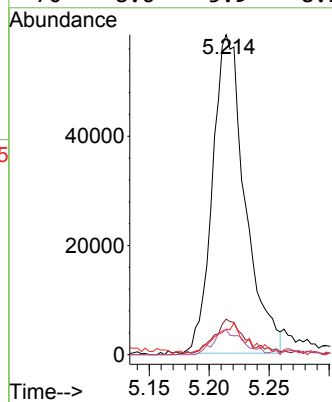


#25
Ethyl Acetate
Concen: 0.498 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

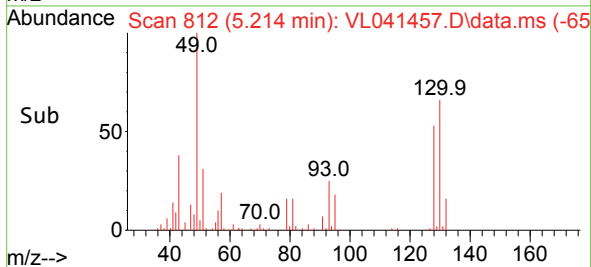
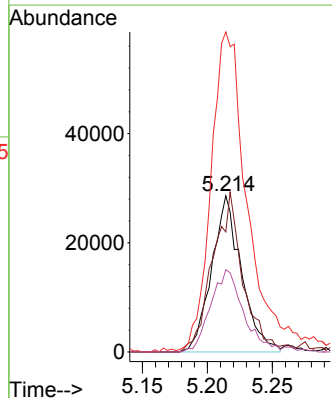
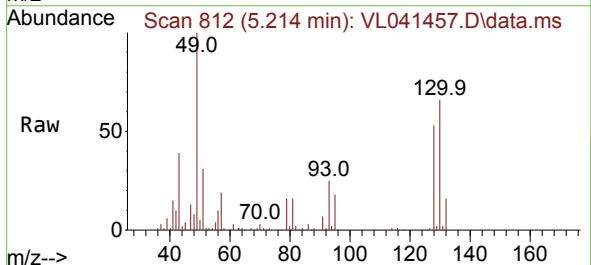


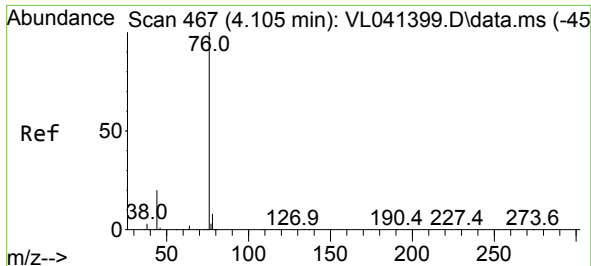
Tgt Ion: 43	Resp: 109904
Ion Ratio	Lower Upper
43 100	
45 12.2	8.5 12.7
61 10.4	8.0 12.0
70 8.6	5.9 8.9



#26
Hexane
Concen: 0.499 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 57	Resp: 45674		
Ion	Ratio	Lower	Upper
57	100		
41	108.4	74.0	111.0
43	257.9	193.6	290.4
56	60.0	43.1	64.7





#27

Carbon Disulfide

Concen: 0.381 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

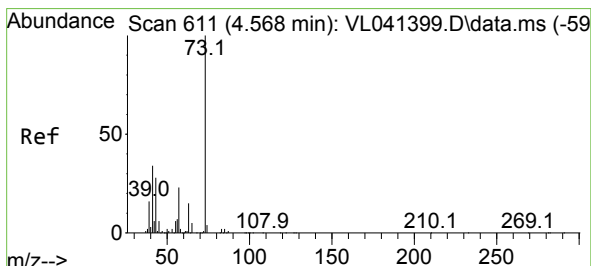
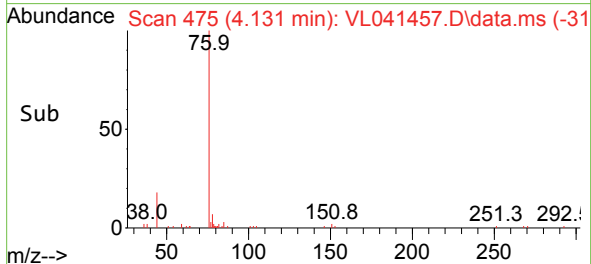
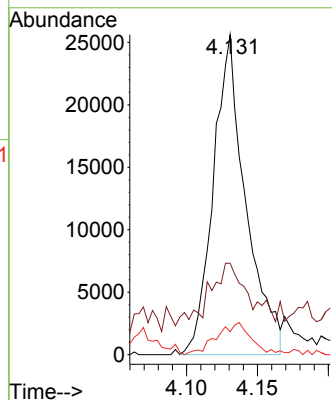
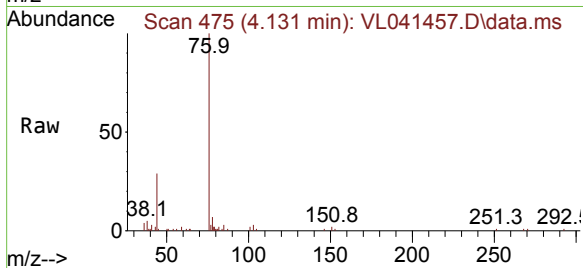
Tgt Ion: 76 Resp: 40824

Ion Ratio Lower Upper

76 100

44 35.1 15.6 23.4#

78 11.3 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 0.508 ppbv

RT: 4.600 min Scan# 621

Delta R.T. 0.013 min

Lab File: VL041457.D

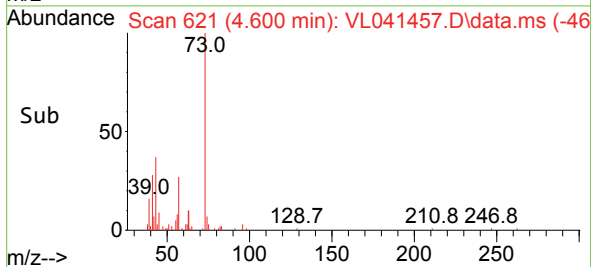
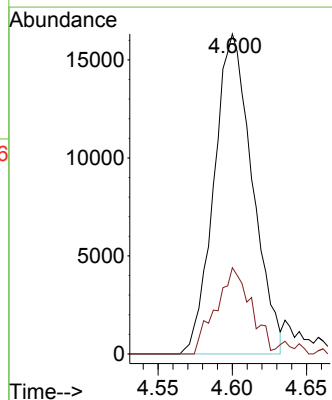
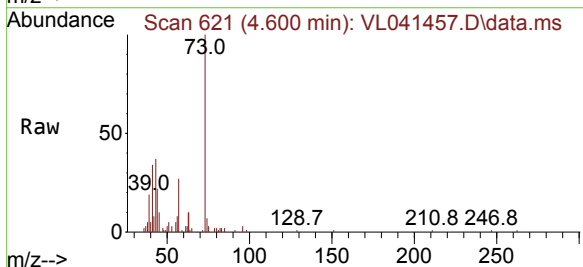
Acq: 31 Jul 2024 10:54

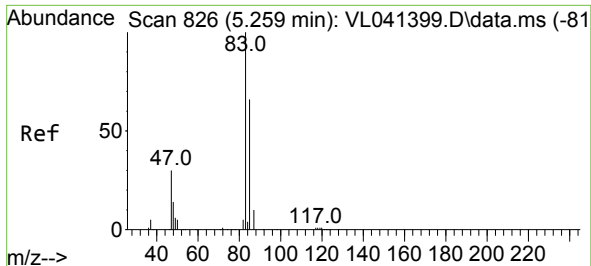
Tgt Ion: 73 Resp: 29334

Ion Ratio Lower Upper

73 100

57 26.7 18.9 28.3





#29

Chloroform

Concen: 0.550 ppbv

RT: 5.275 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

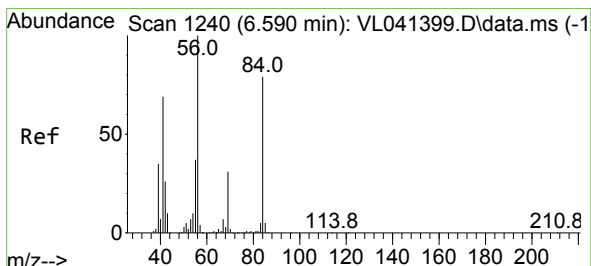
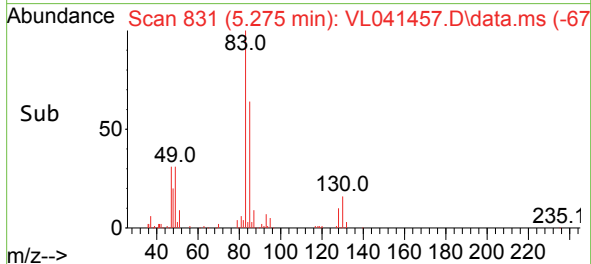
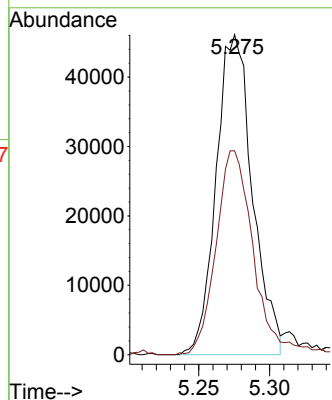
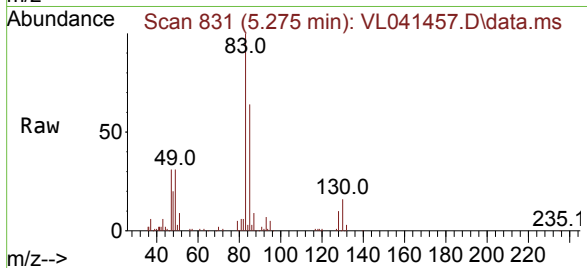
ClientSampleId :

Tgt Ion: 83 Resp: 82107

Ion Ratio Lower Upper

83 100

85 63.1 53.1 79.7



#30

Cyclohexane

Concen: 0.461 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

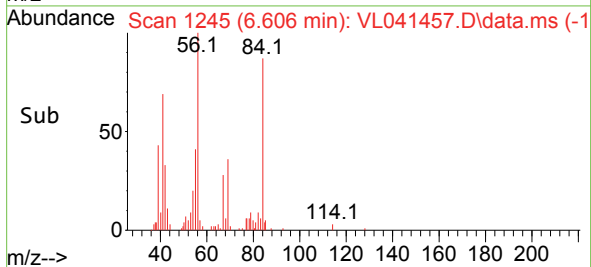
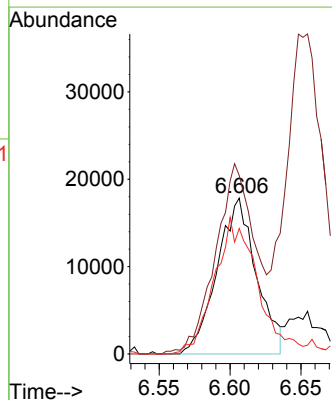
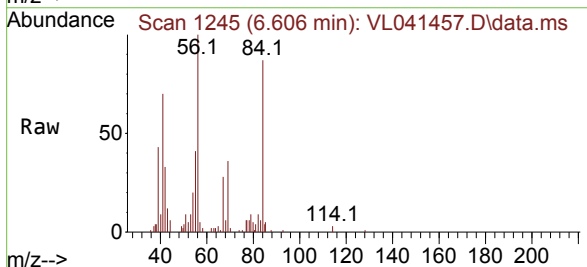
Tgt Ion: 84 Resp: 34385

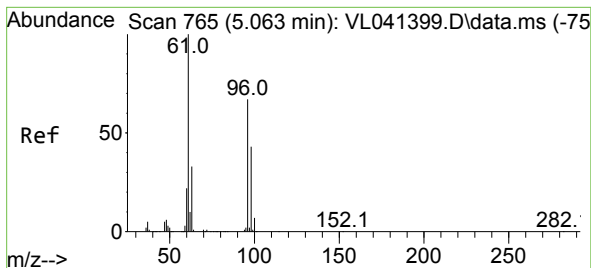
Ion Ratio Lower Upper

84 100

56 121.5 111.2 166.8

41 98.3 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 0.417 ppbv

RT: 5.082 min Scan# 7

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

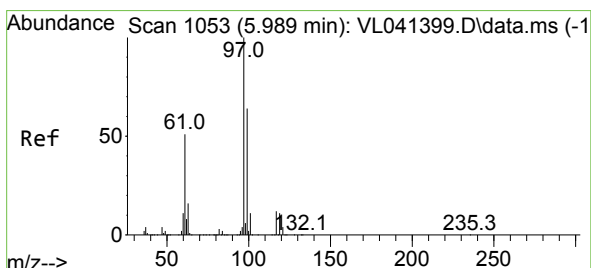
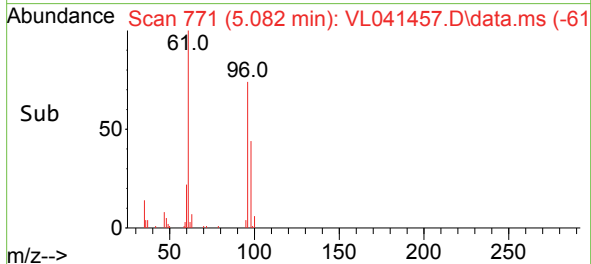
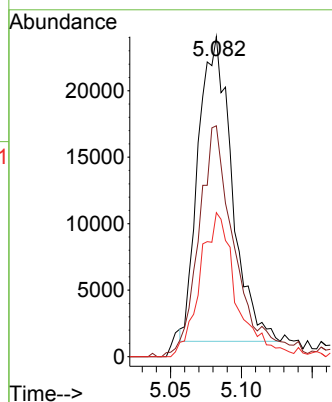
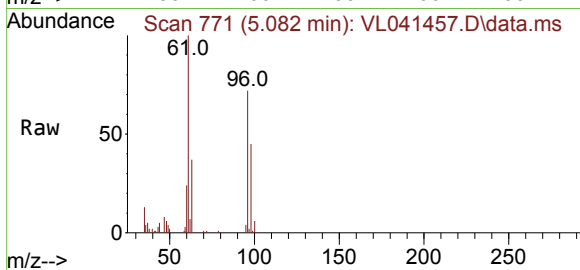
Tgt Ion: 61 Resp: 37701

Ion Ratio Lower Upper

61 100

96 70.8 53.4 80.2

98 44.4 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 0.508 ppbv

RT: 6.005 min Scan# 1058

Delta R.T. -0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

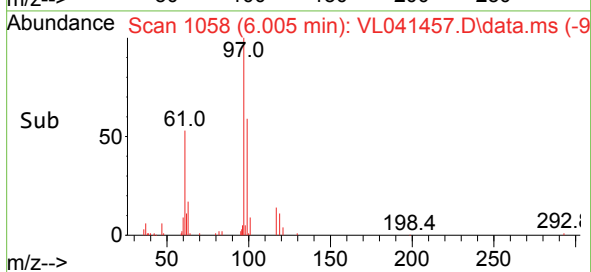
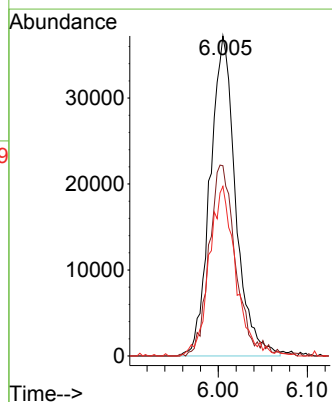
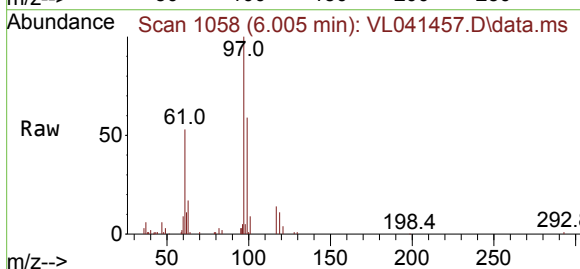
Tgt Ion: 97 Resp: 73923

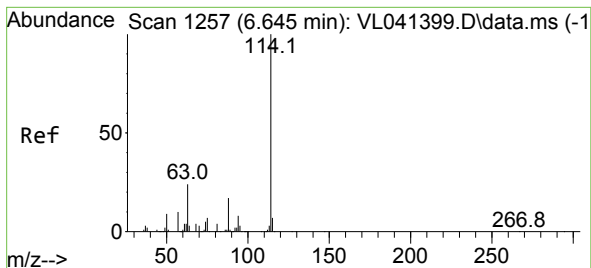
Ion Ratio Lower Upper

97 100

99 62.9 52.0 78.0

61 55.4 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

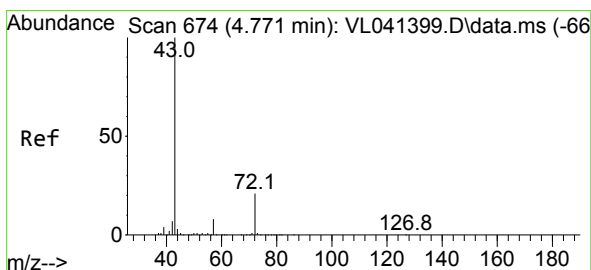
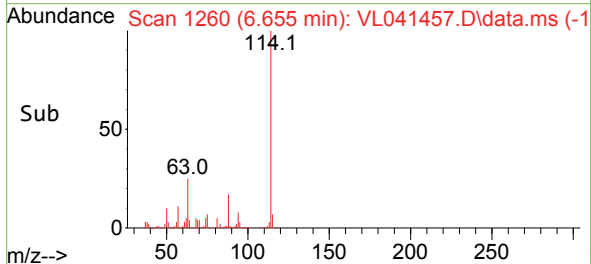
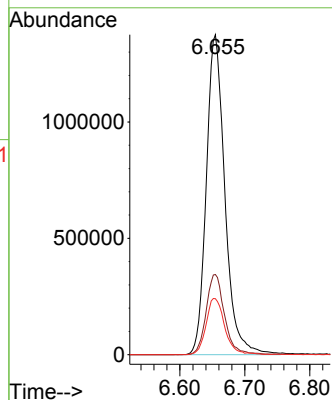
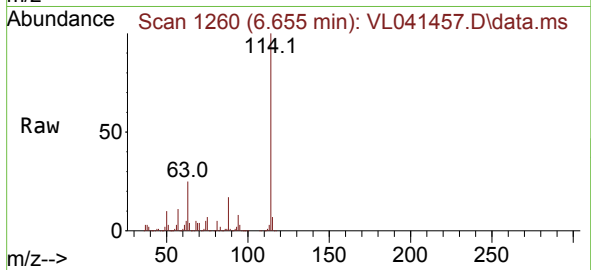
Tgt Ion:114 Resp: 2740064

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 0.487 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.016 min

Lab File: VL041457.D

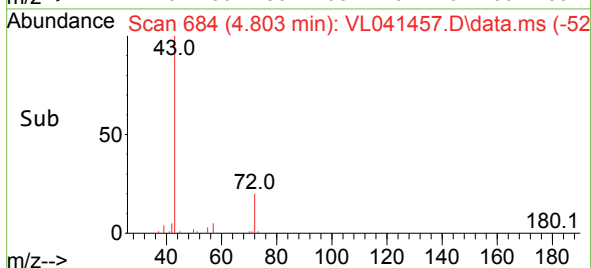
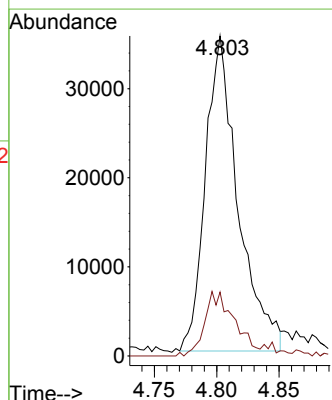
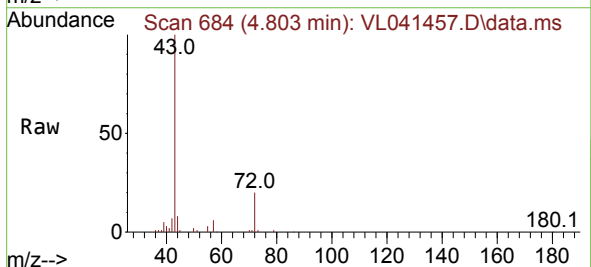
Acq: 31 Jul 2024 10:54

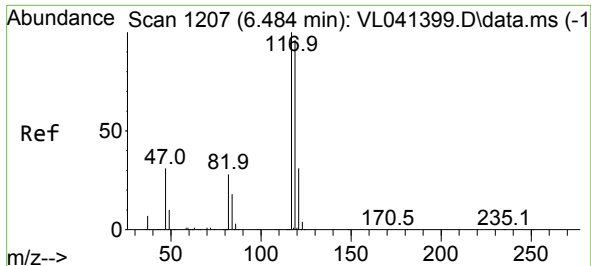
Tgt Ion: 43 Resp: 64599

Ion Ratio Lower Upper

43 100

72 21.1 17.3 25.9

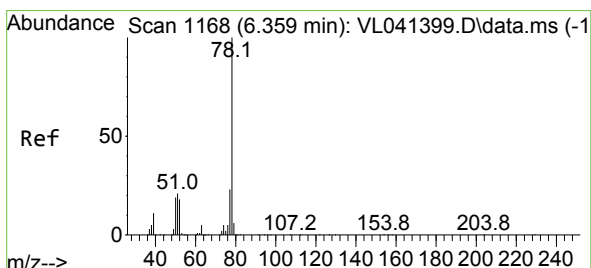
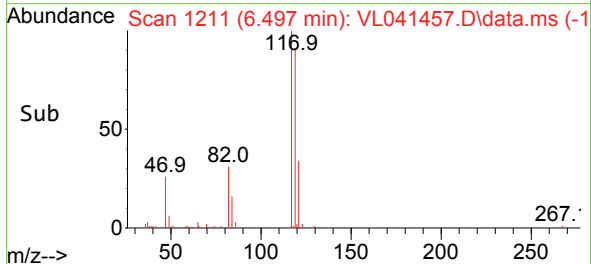
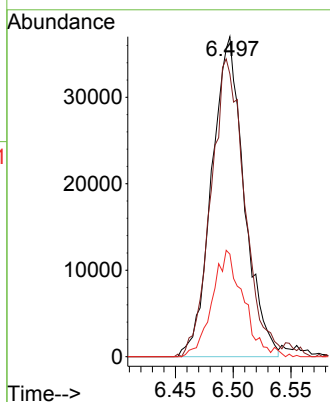
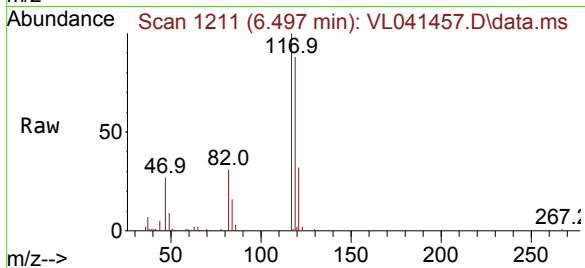




#35
Carbon Tetrachloride
Concen: 0.478 ppbv
RT: 6.497 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

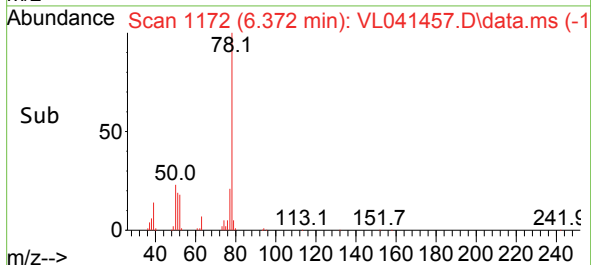
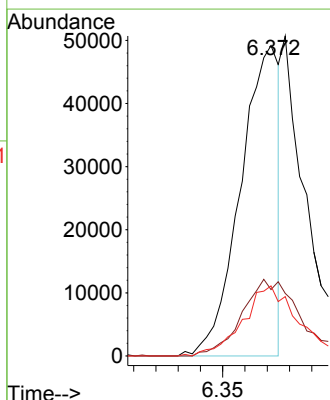
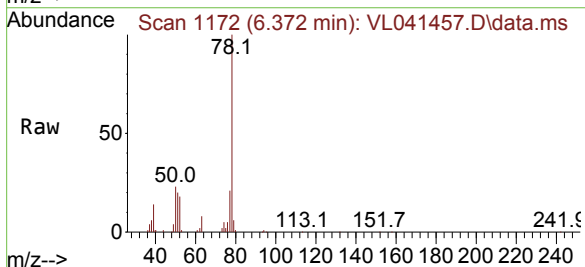
Instrument :
MSVOA_L
ClientSampleId :

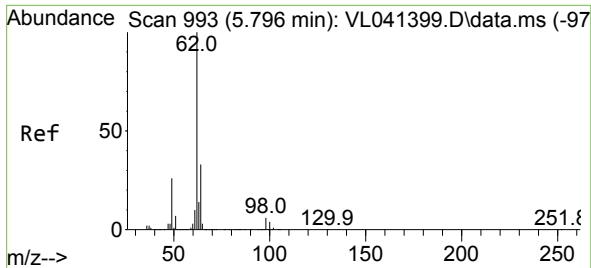
Tgt Ion:117 Resp: 72282
Ion Ratio Lower Upper
117 100
119 87.5 76.6 115.0
121 32.1 25.1 37.7



#36
Benzene
Concen: 0.296 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 78 Resp: 59349
Ion Ratio Lower Upper
78 100
77 21.4 18.1 27.1
50 22.6 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.499 ppbv

RT: 5.812 min Scan# 993

Delta R.T. 0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

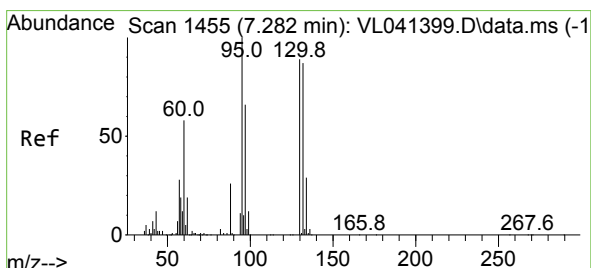
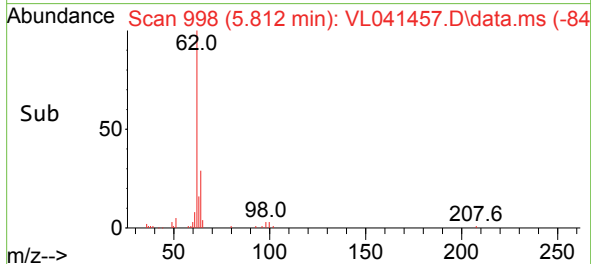
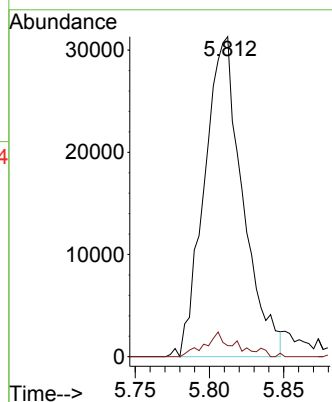
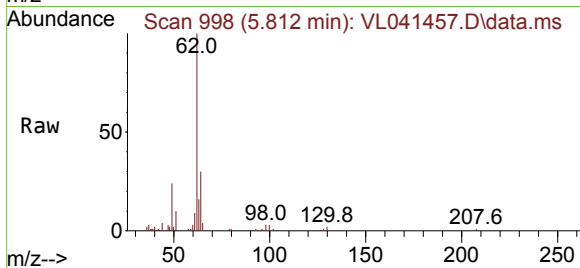
ClientSampleId :

Tgt Ion: 62 Resp: 55951

Ion Ratio Lower Upper

62 100

98 6.3 5.0 7.4



#38

Trichloroethene

Concen: 0.464 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. -0.007 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Tgt Ion: 130 Resp: 42581

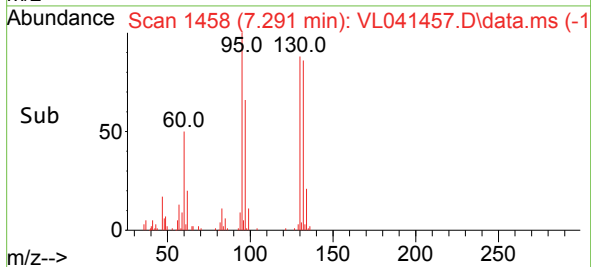
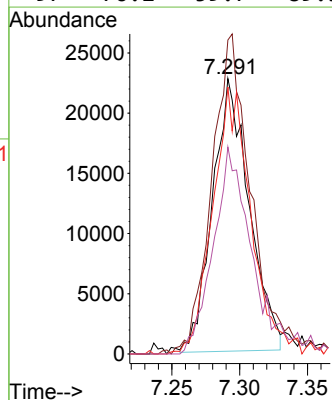
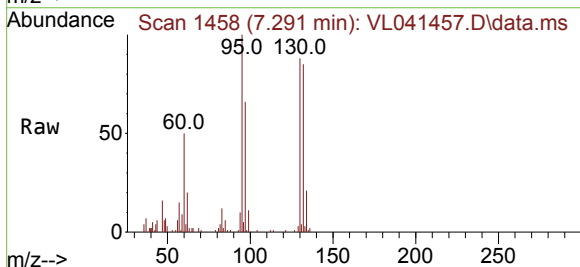
Ion Ratio Lower Upper

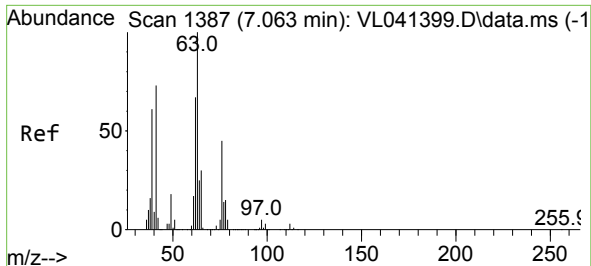
130 100

95 112.9 90.2 135.2

132 97.5 78.1 117.1

97 76.2 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.516 ppbv

RT: 7.073 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

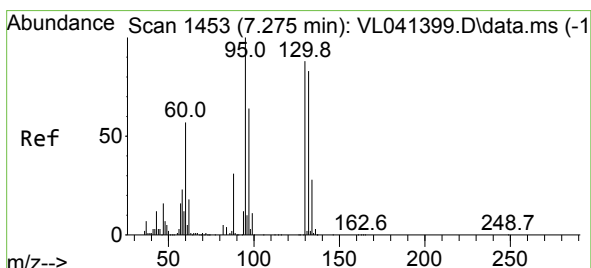
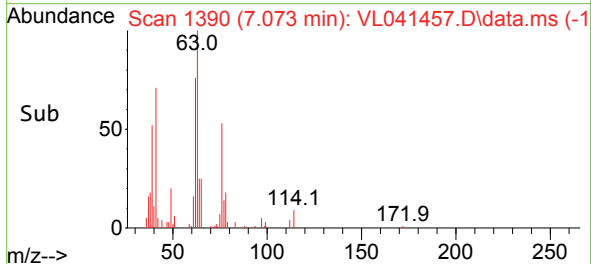
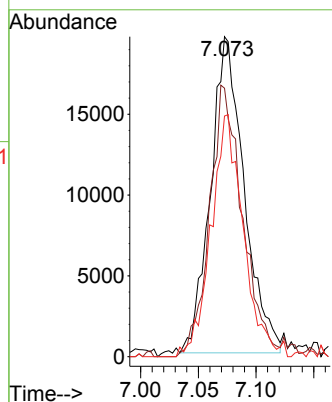
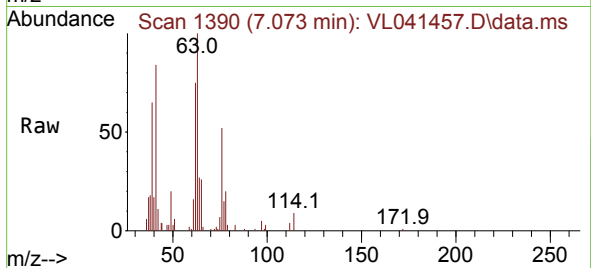
Tgt Ion: 63 Resp: 39573

Ion Ratio Lower Upper

63 100

41 83.7 58.3 87.5

62 73.1 53.9 80.9



#40

1,4-Dioxane

Concen: 0.050 ppbv

RT: 7.307 min Scan# 1463

Delta R.T. 0.016 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Tgt Ion: 88 Resp: 1548

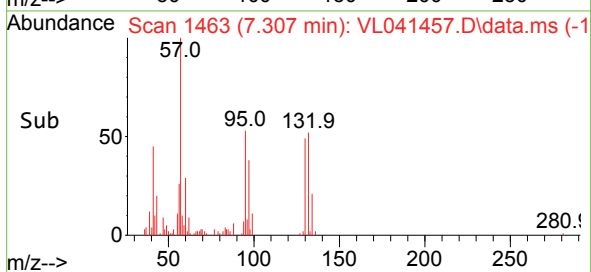
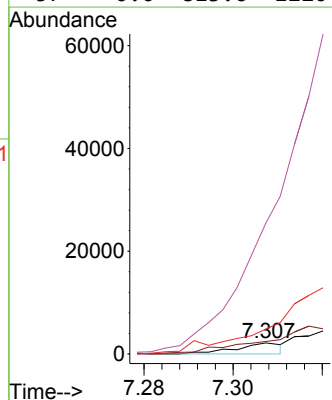
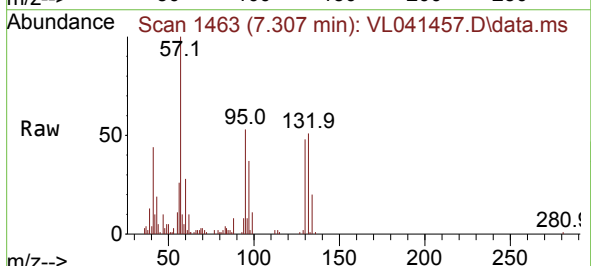
Ion Ratio Lower Upper

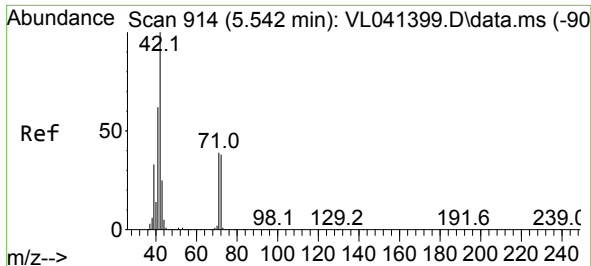
88 100

58 0.0 95.8 143.6#

43 0.0 188.2 282.2#

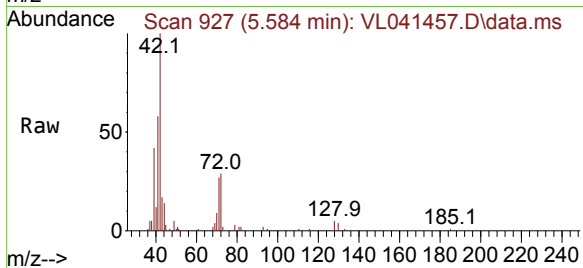
57 0.0 813.6 1220.4#



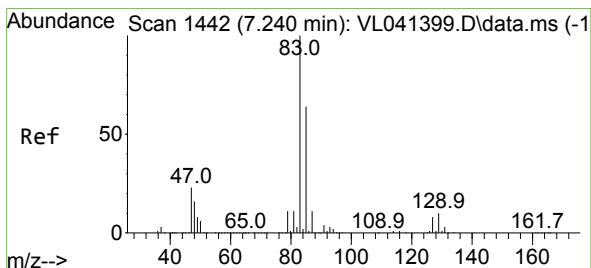
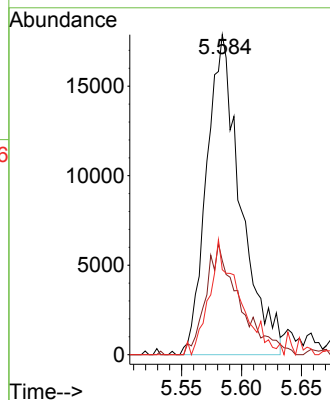
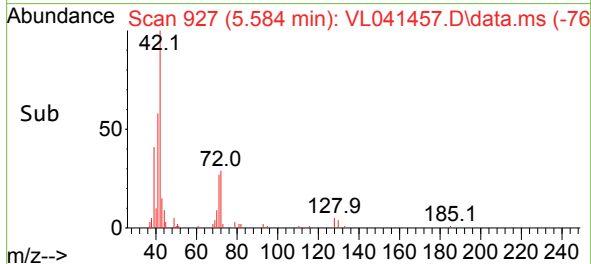


#41
Tetrahydrofuran
Concen: 0.466 ppbv
RT: 5.584 min Scan# 914
Delta R.T. 0.026 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

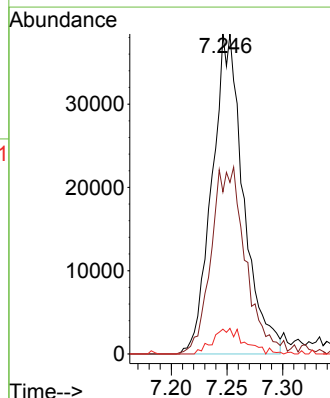
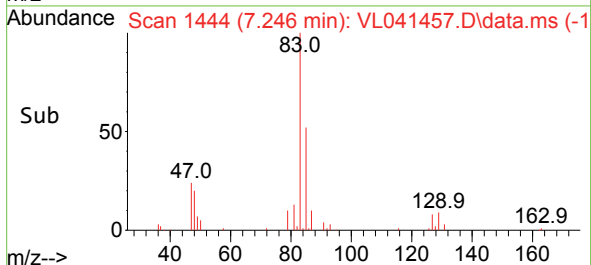
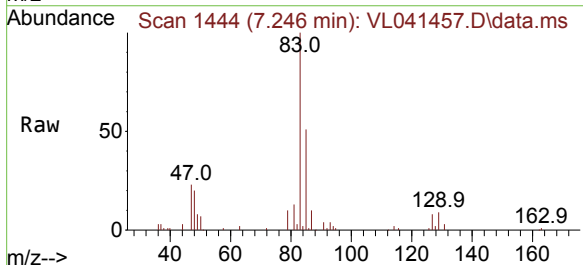


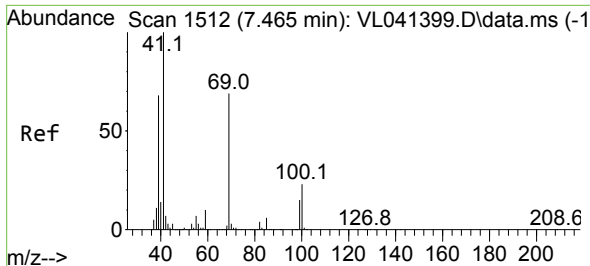
Tgt Ion: 42 Resp: 35294
Ion Ratio Lower Upper
42 100
72 35.6 31.2 46.8
71 32.7 30.5 45.7



#42
Bromodichloromethane
Concen: 0.468 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. -0.010 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

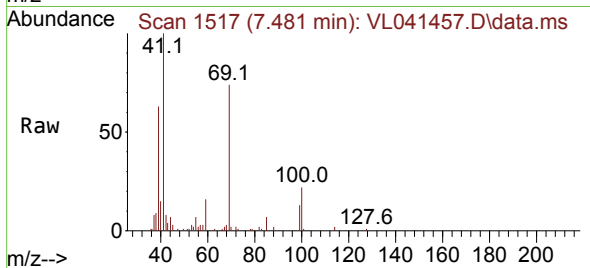
Tgt Ion: 83 Resp: 75793
Ion Ratio Lower Upper
83 100
85 50.2 51.4 77.0#
127 7.8 6.7 10.1



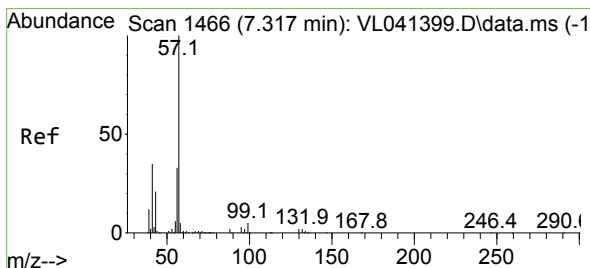
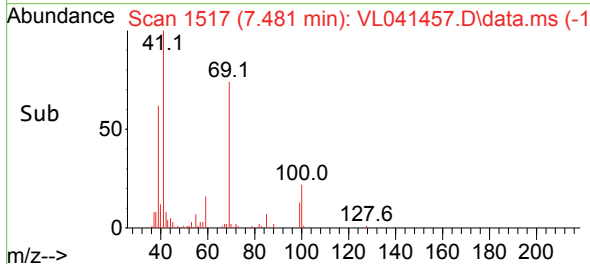
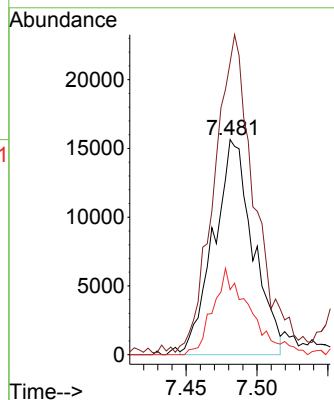


#43
Methyl Methacrylate
Concen: 0.420 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

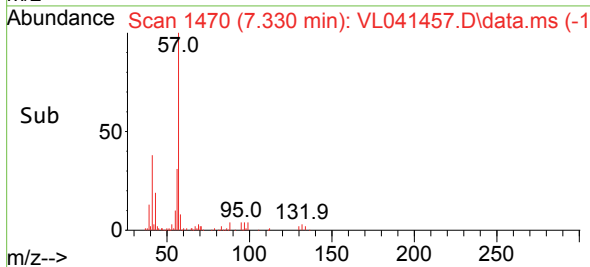
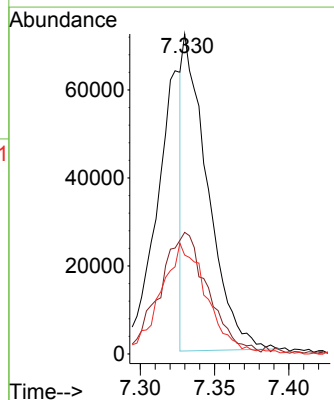
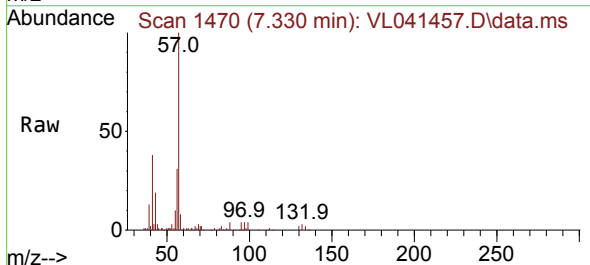


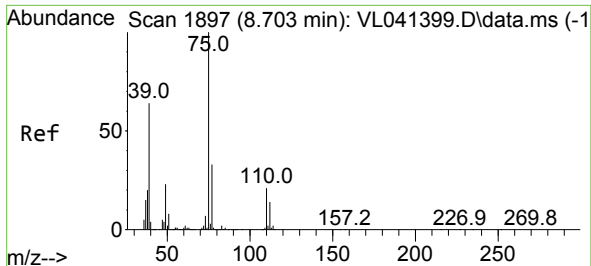
Tgt Ion: 69 Resp: 30158
Ion Ratio Lower Upper
69 100
41 153.9 118.7 178.1
100 38.2 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 0.251 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 57 Resp: 83820
Ion Ratio Lower Upper
57 100
41 77.9 27.0 40.6#
56 66.1 25.2 37.8#

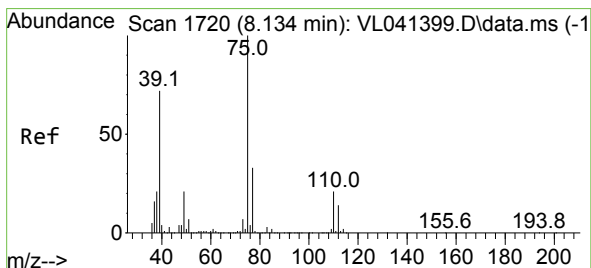
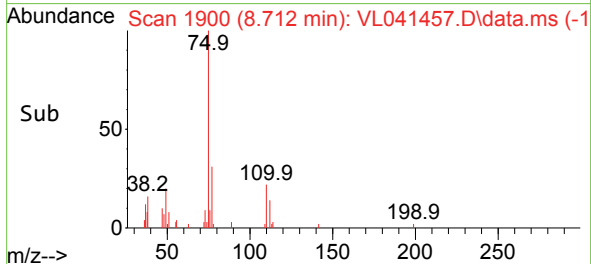
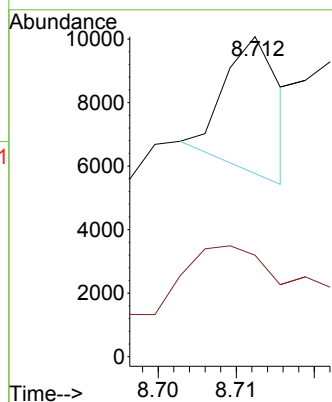
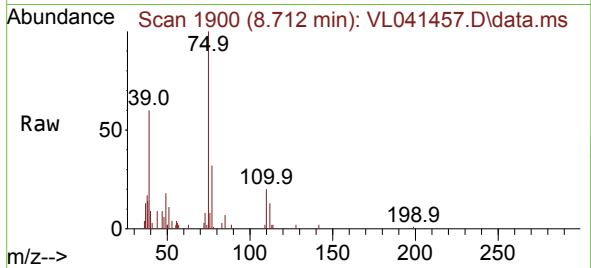




#45
 t-1,3-Dichloropropene
 Concen: 0.030 ppbv
 RT: 8.712 min Scan# 1900
 Delta R.T. -0.000 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

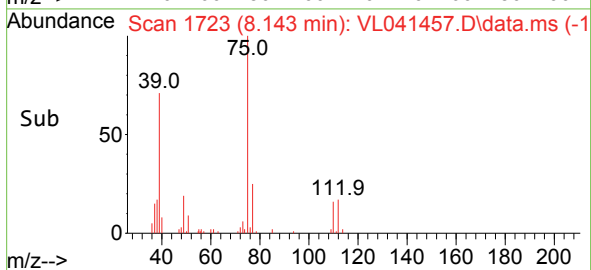
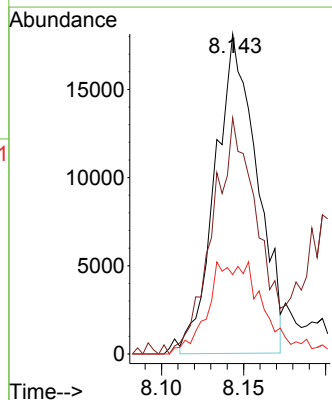
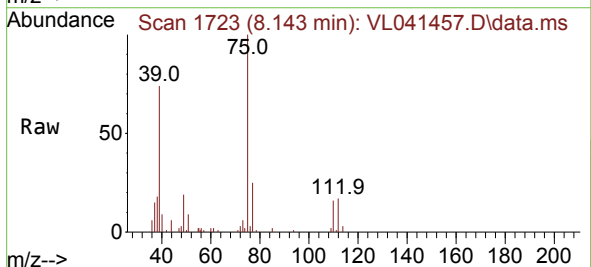
Instrument :
 MSVOA_L
 ClientSampleId :

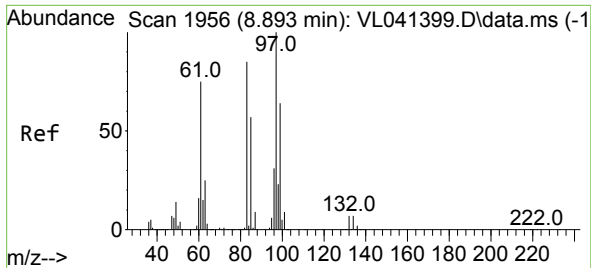
Tgt Ion: 75 Resp: 1981
 Ion Ratio Lower Upper
 75 100
 77 29.4 26.5 39.7



#46
 cis-1,3-Dichloropropene
 Concen: 0.336 ppbv
 RT: 8.143 min Scan# 1723
 Delta R.T. -0.007 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

Tgt Ion: 75 Resp: 32053
 Ion Ratio Lower Upper
 75 100
 39 72.1 57.3 85.9
 77 23.3 26.2 39.2#

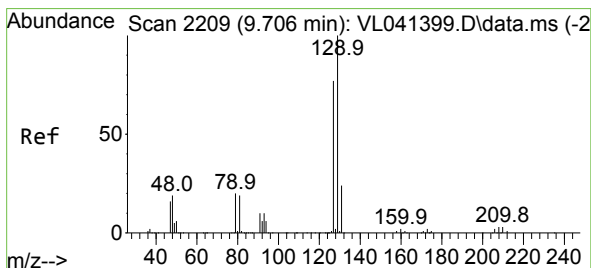
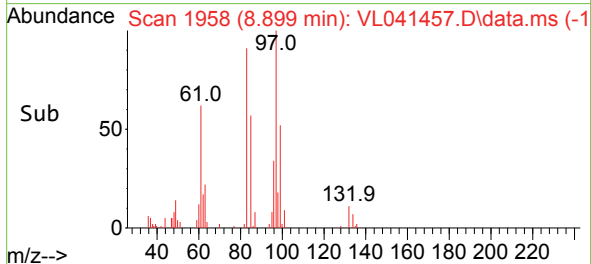
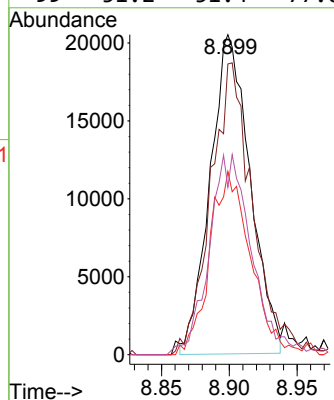
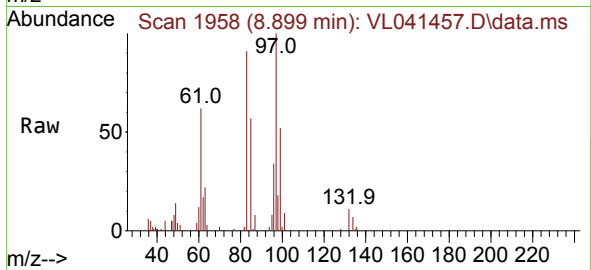




#47
1,1,2-Trichloroethane
Concen: 0.498 ppbv
RT: 8.899 min Scan# 1956
Delta R.T. -0.007 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

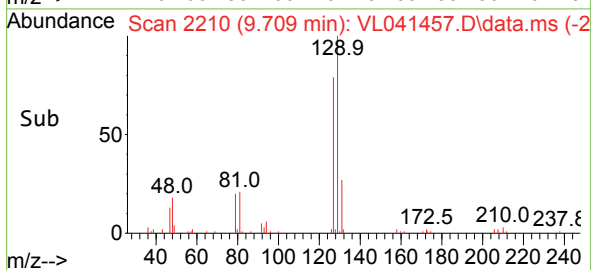
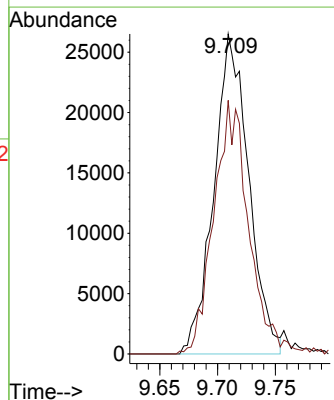
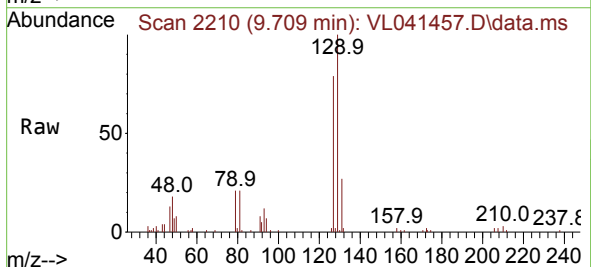
Instrument :
MSVOA_L
ClientSampleId :

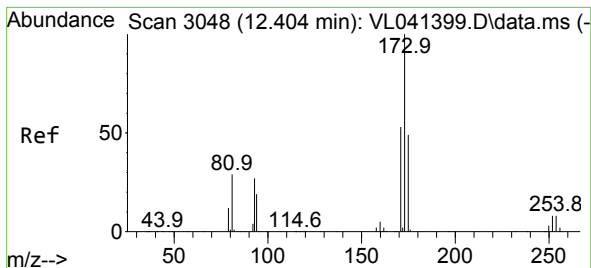
Tgt Ion: 97	Resp: 42115
Ion Ratio	Lower Upper
97 100	
83 88.8	67.6 101.4
85 56.1	45.9 68.9
99 51.2	51.4 77.0#



#48
Dibromochloromethane
Concen: 0.408 ppbv
RT: 9.709 min Scan# 2210
Delta R.T. -0.010 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion:129	Resp: 55526		
Ion Ratio	Lower	Upper	
129 100			
127 80.3	39.3	117.8	





#49

Bromoform

Concen: 0.234 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. -0.003 min

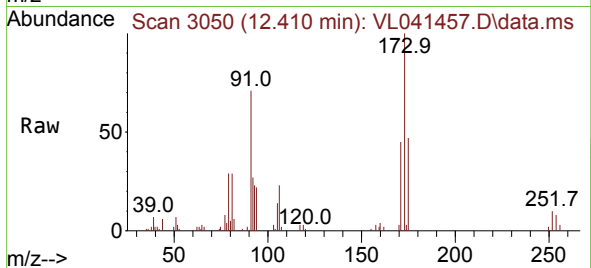
Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :



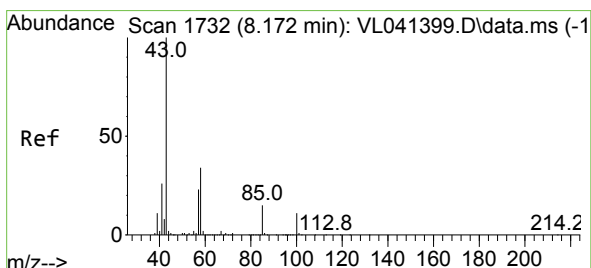
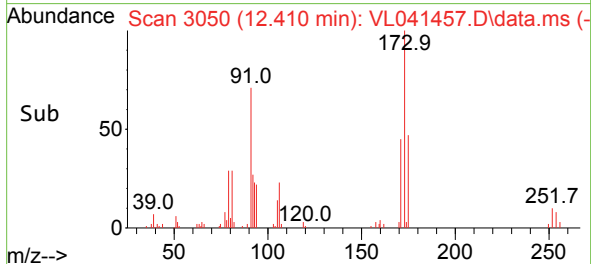
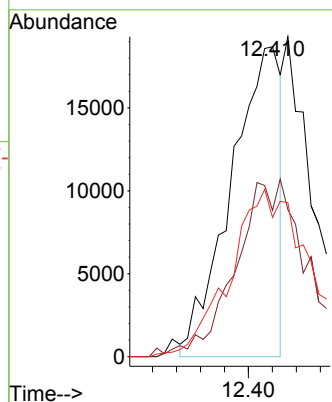
Tgt Ion:173 Resp: 26916

Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

171 87.6 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.189 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.013 min

Lab File: VL041457.D

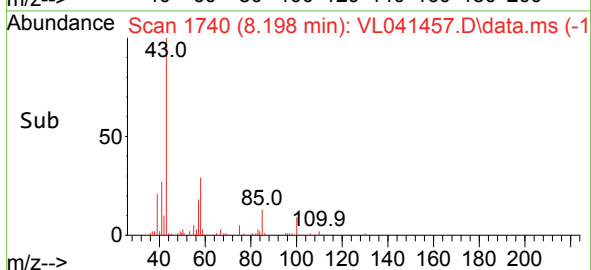
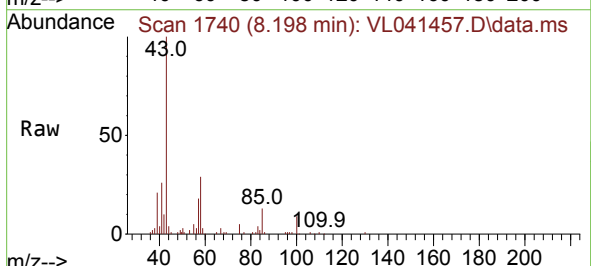
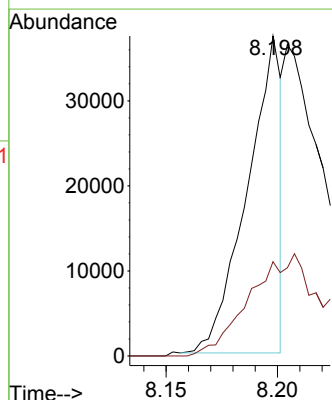
Acq: 31 Jul 2024 10:54

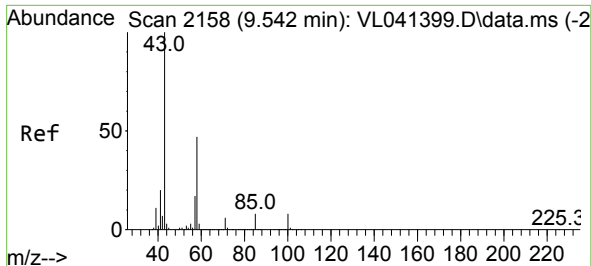
Tgt Ion: 43 Resp: 39547

Ion Ratio Lower Upper

43 100

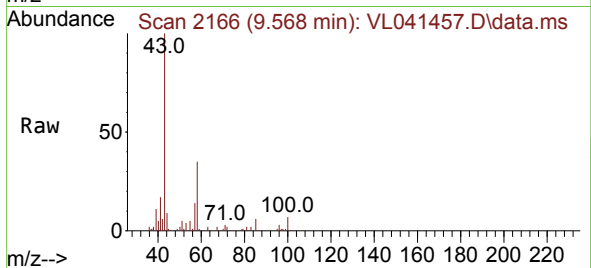
58 0.0 27.9 41.9#



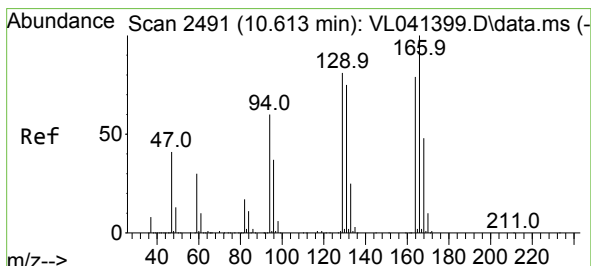
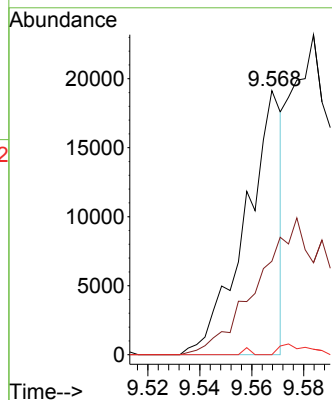
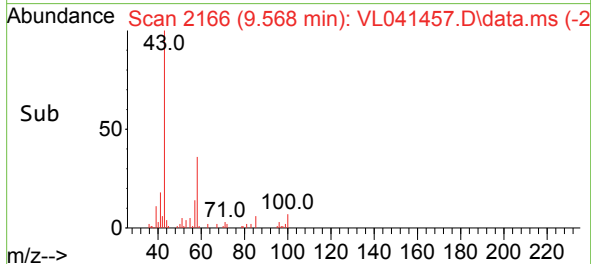


#51
2-Hexanone
Concen: 0.118 ppbv
RT: 9.568 min Scan# 2158
Delta R.T. 0.016 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Instrument :
MSVOA_L
ClientSampleId :

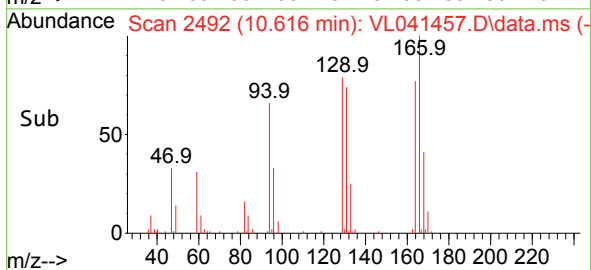
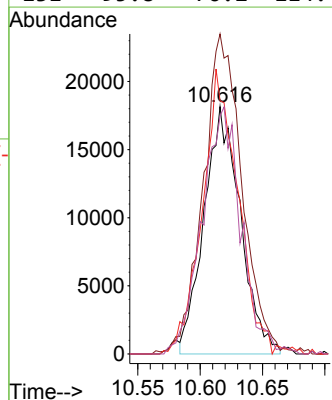
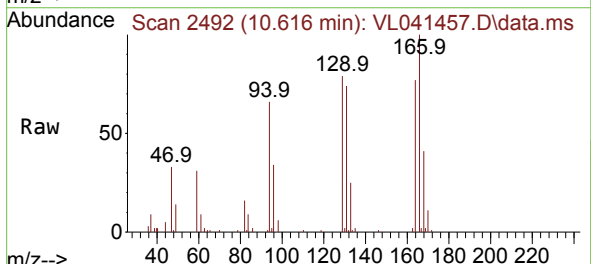


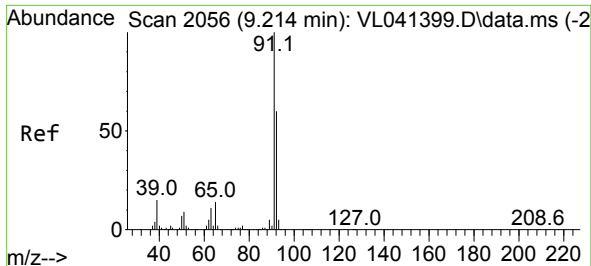
Tgt Ion: 43 Resp: 18639
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.476 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.007 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 164 Resp: 36832
Ion Ratio Lower Upper
164 100
166 130.3 101.1 151.7
129 101.3 81.7 122.5
131 95.8 76.2 114.4

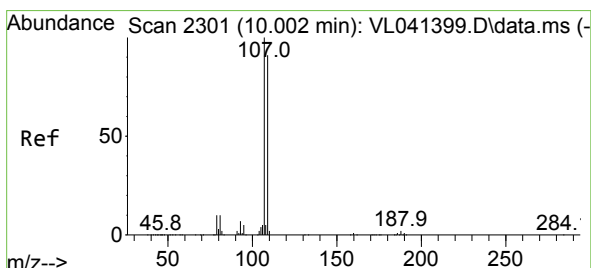
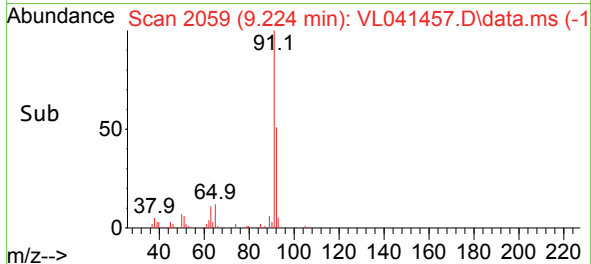
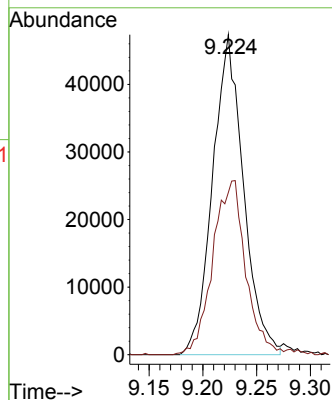
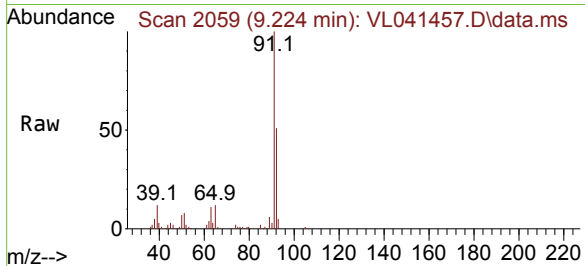




#53
Toluene
Concen: 0.423 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

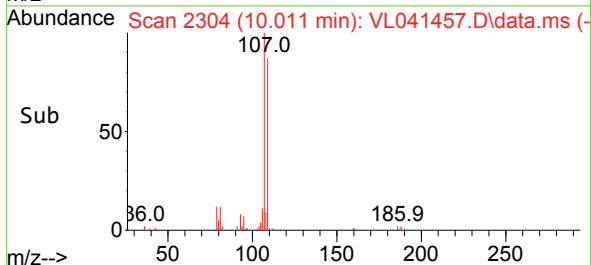
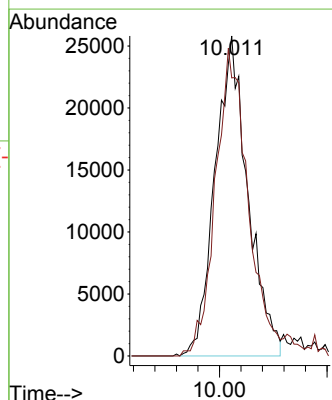
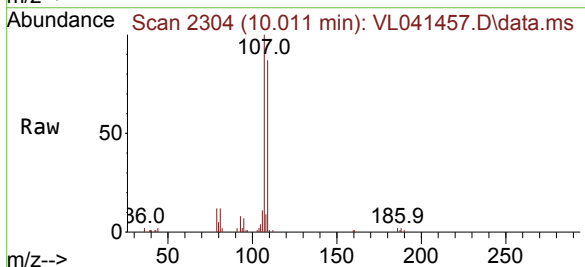
Instrument :
MSVOA_L
ClientSampleId :

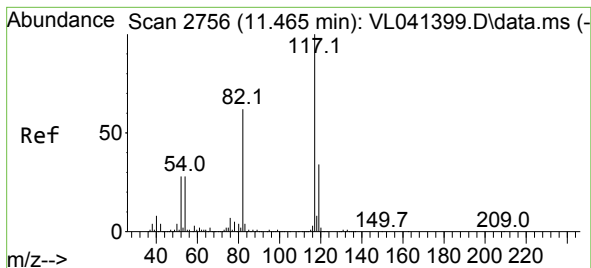
Tgt Ion: 91 Resp: 94287
Ion Ratio Lower Upper
91 100
92 59.0 48.7 73.1



#54
1,2-Dibromoethane
Concen: 0.486 ppbv
RT: 10.011 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

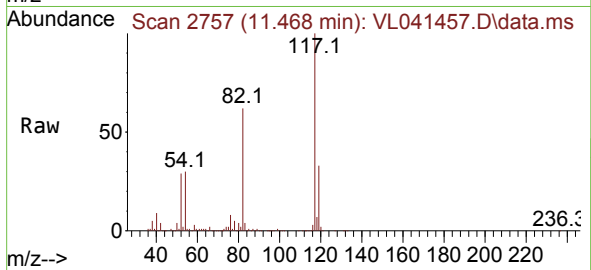
Tgt Ion: 107 Resp: 54705
Ion Ratio Lower Upper
107 100
109 86.9 72.7 109.1



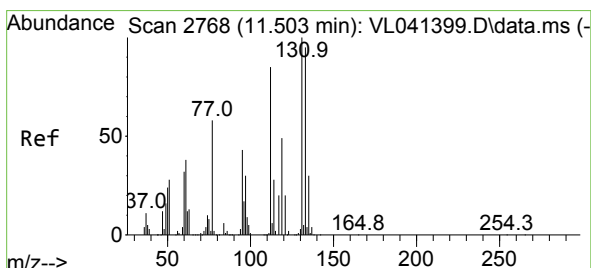
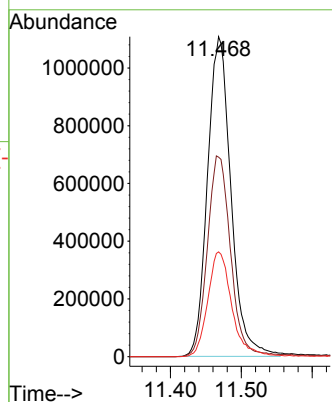
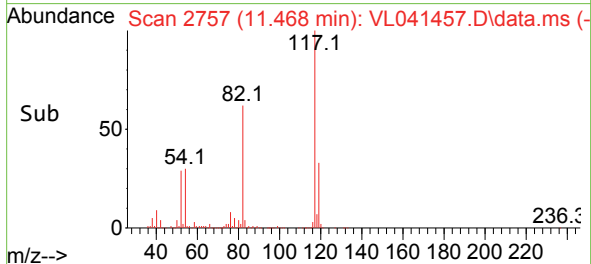


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

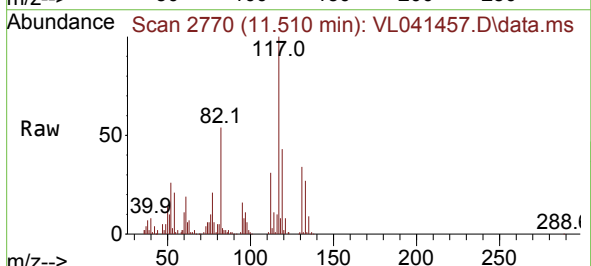
Instrument :
MSVOA_L
ClientSampleId :



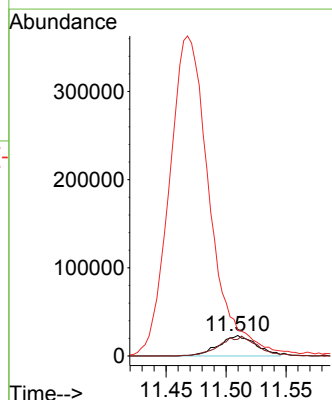
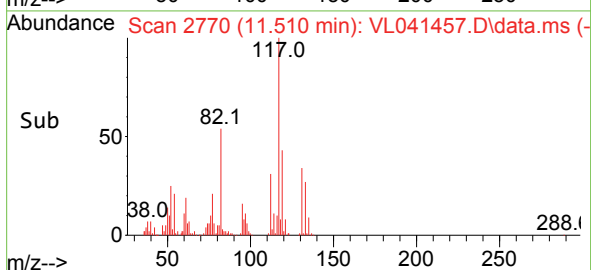
Tgt Ion:117 Resp: 2548367
Ion Ratio Lower Upper
117 100
82 62.7 51.0 76.6
119 33.8 45.2 67.8#

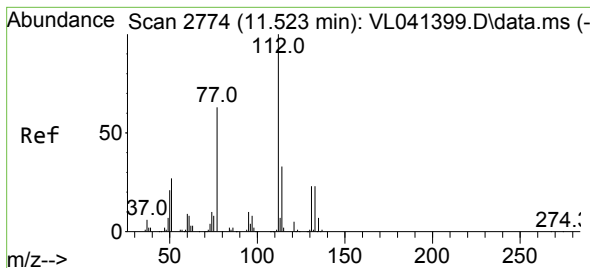


#56
1,1,1,2-Tetrachloroethane
Concen: 0.506 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.007 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54



Tgt Ion:131 Resp: 50027
Ion Ratio Lower Upper
131 100
133 97.1 77.0 115.4
119 1721.0 121.5 182.3#





#57

Chlorobenzene

Concen: 0.558 ppbv

RT: 11.526 min Scan# 21

Delta R.T. -0.010 min

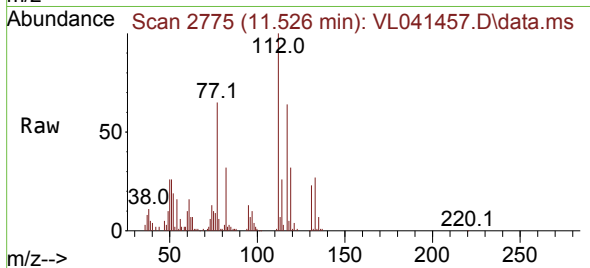
Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :



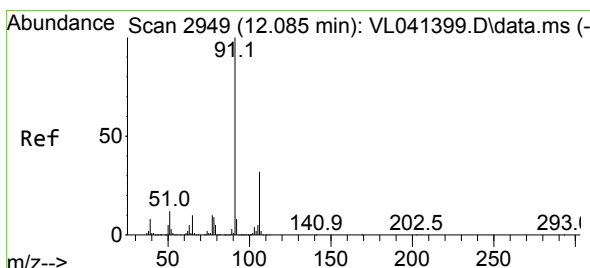
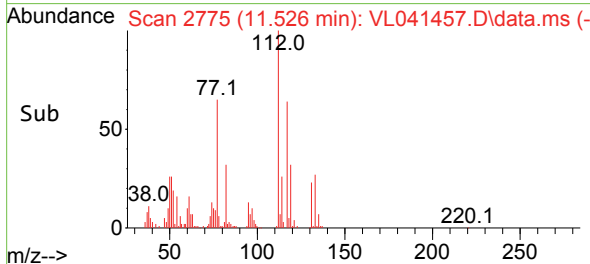
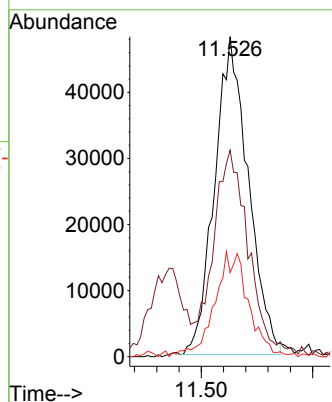
Tgt Ion:112 Resp: 101240

Ion Ratio Lower Upper

112 100

77 60.3 51.1 76.7

114 28.1 29.5 36.1#



#58

Ethyl Benzene

Concen: 0.430 ppbv

RT: 12.092 min Scan# 2951

Delta R.T. -0.007 min

Lab File: VL041457.D

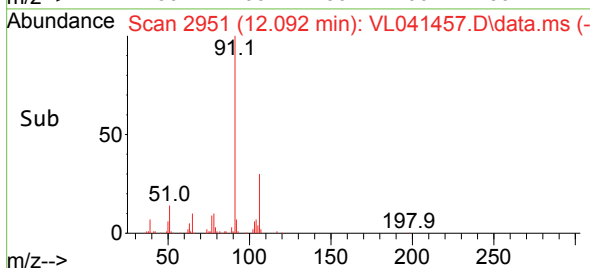
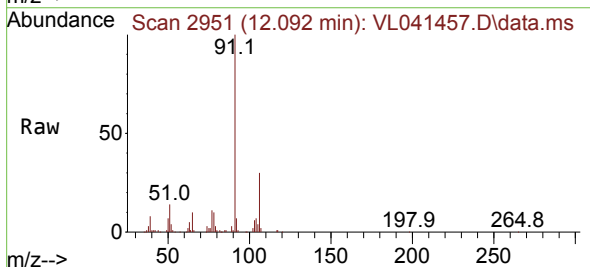
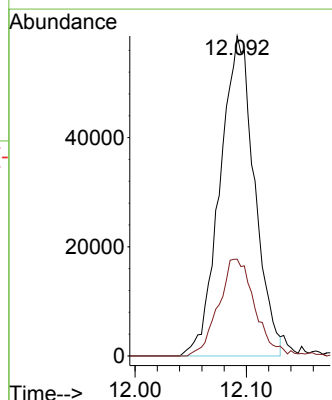
Acq: 31 Jul 2024 10:54

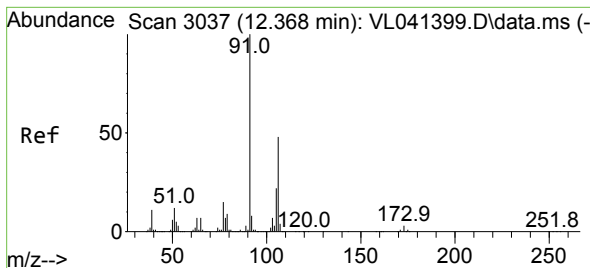
Tgt Ion: 91 Resp: 126271

Ion Ratio Lower Upper

91 100

106 30.2 25.8 38.8





#59

m/p-Xylene

Concen: 0.022 ppbv

RT: 12.371 min Scan# 3038

Delta R.T. -0.007 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

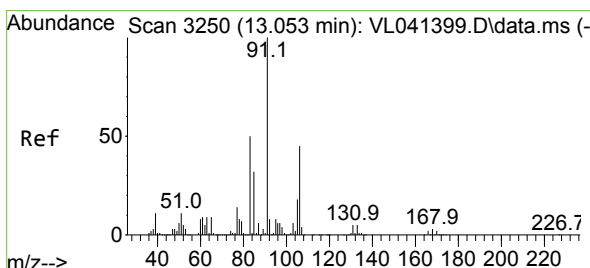
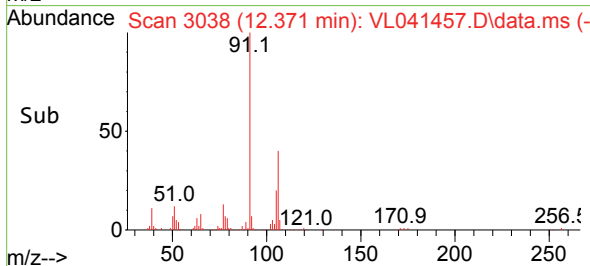
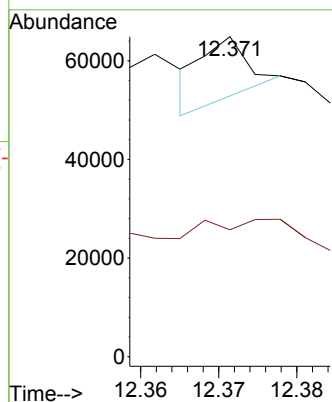
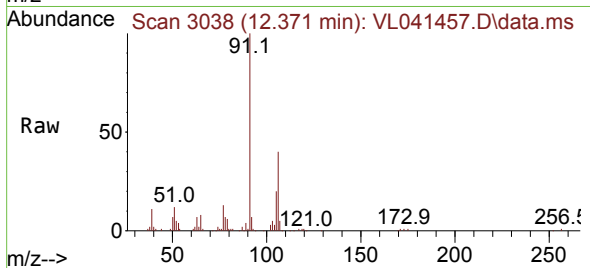
ClientSampleId :

Tgt Ion: 91 Resp: 5495

Ion Ratio Lower Upper

91 100

106 1866.8 36.3 54.5#



#60

o-Xylene

Concen: 0.462 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. -0.003 min

Lab File: VL041457.D

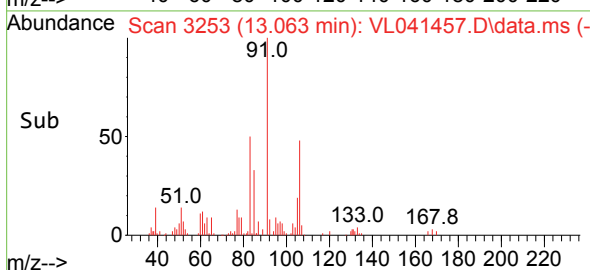
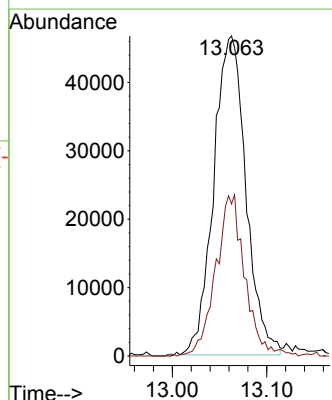
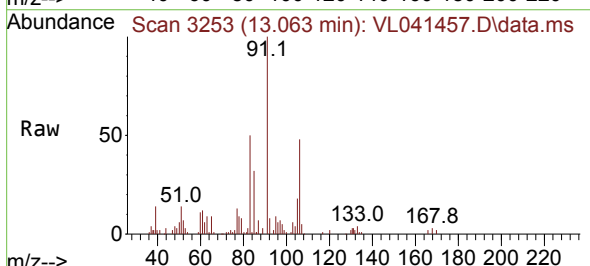
Acq: 31 Jul 2024 10:54

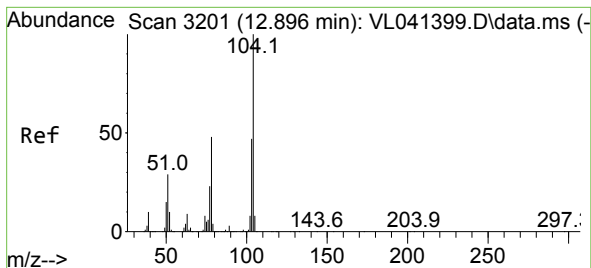
Tgt Ion: 91 Resp: 110722

Ion Ratio Lower Upper

91 100

106 46.0 23.1 69.3





#61

Styrene

Concen: 0.187 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.000 min

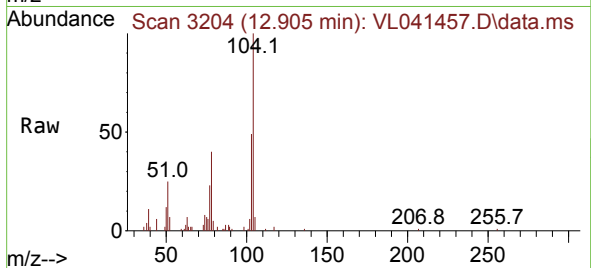
Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :



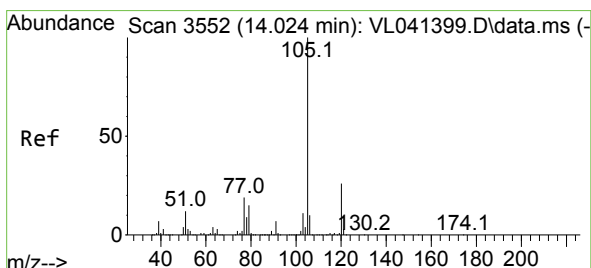
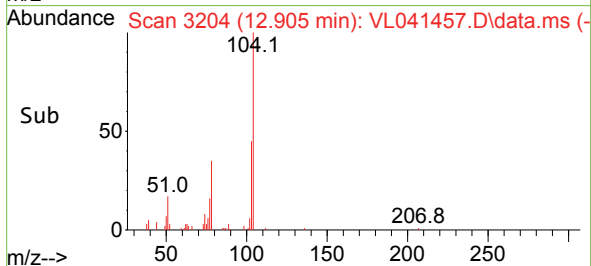
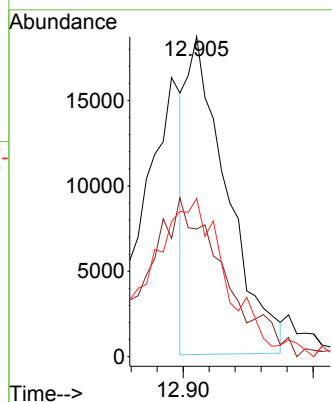
Tgt Ion:104 Resp: 20252

Ion Ratio Lower Upper

104 100

78 0.0 40.8 61.2#

103 98.3 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.329 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. -0.007 min

Lab File: VL041457.D

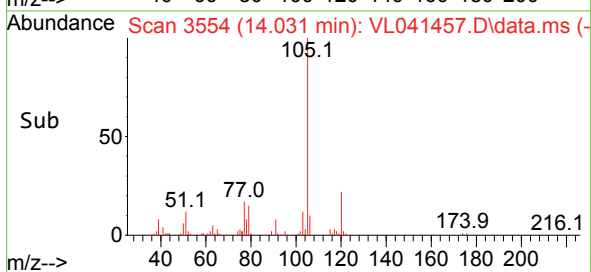
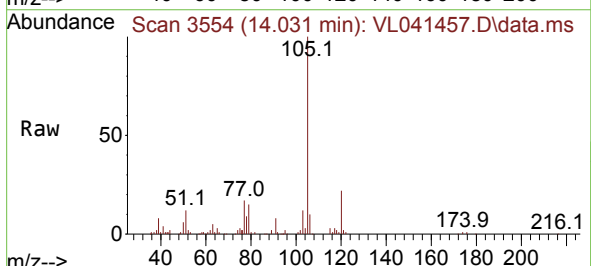
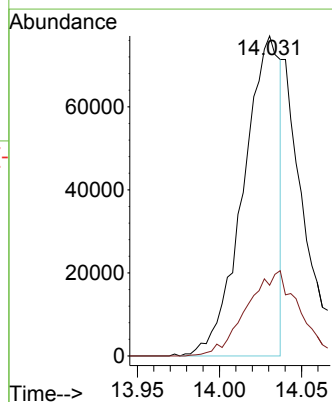
Acq: 31 Jul 2024 10:54

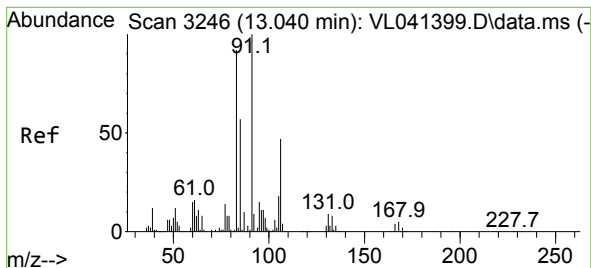
Tgt Ion:105 Resp: 120027

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#

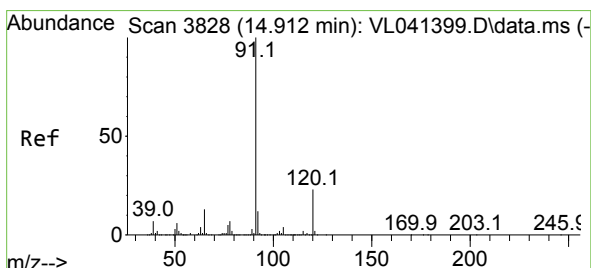
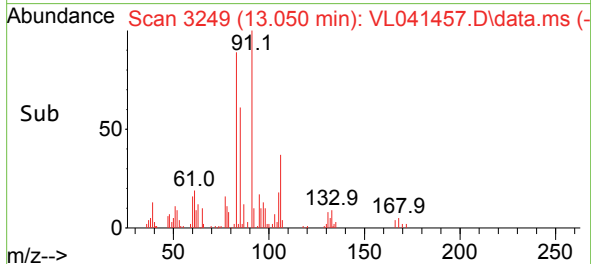
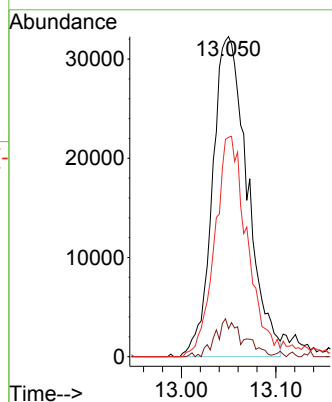
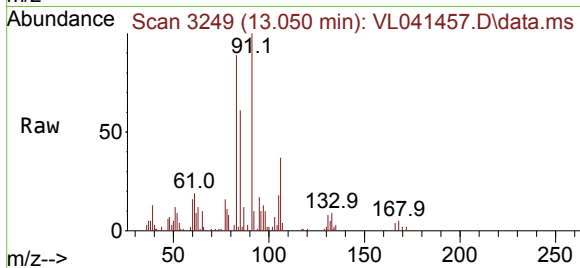




#63
1,1,2,2-Tetrachloroethane
Concen: 0.546 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

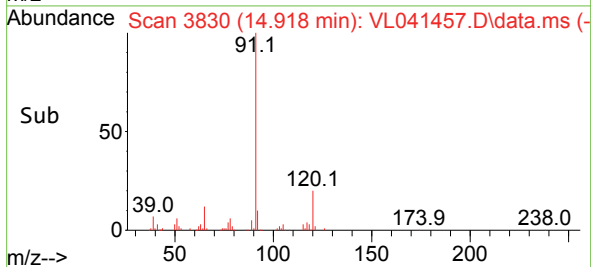
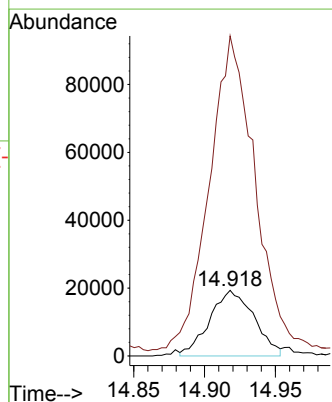
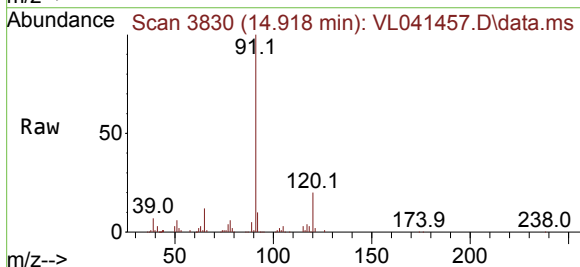
Instrument :
MSVOA_L
ClientSampleId :

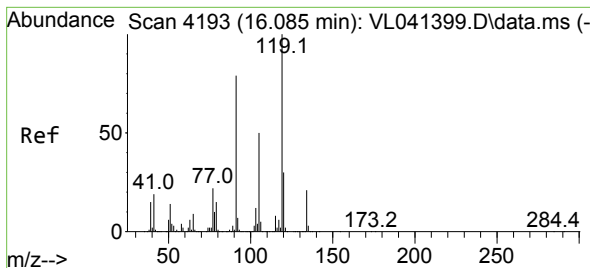
Tgt Ion: 83 Resp: 82646
Ion Ratio Lower Upper
83 100
131 9.9 4.8 14.4
85 68.3 32.6 98.0



#64
n-propylbenzene
Concen: 0.441 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 120 Resp: 42032
Ion Ratio Lower Upper
120 100
91 533.6 361.4 542.0





#65

tert-Butylbenzene

Concen: 0.343 ppbv

RT: 16.095 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

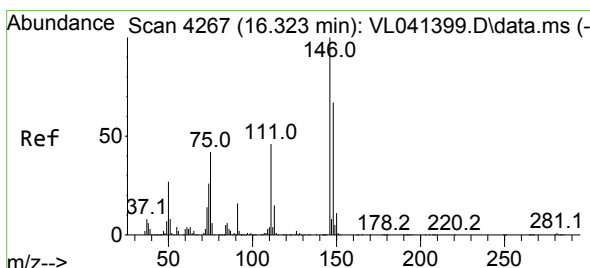
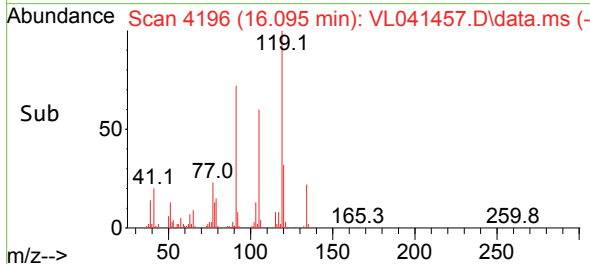
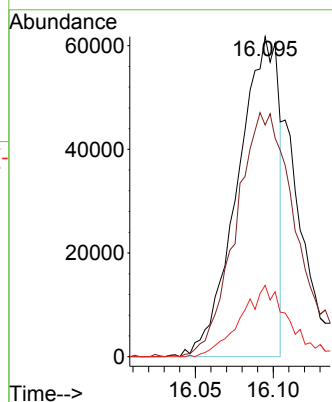
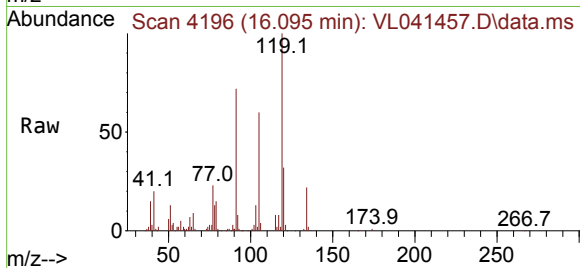
Tgt Ion:119 Resp: 112988

Ion Ratio Lower Upper

119 100

91 116.4 64.2 96.2#

134 26.6 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.081 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. -0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

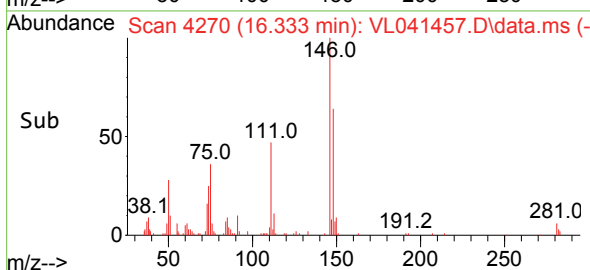
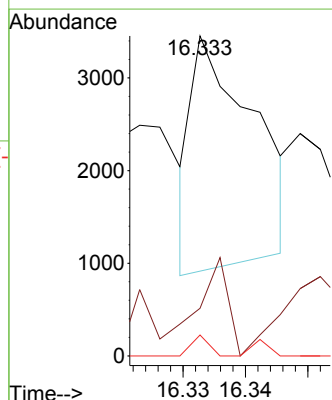
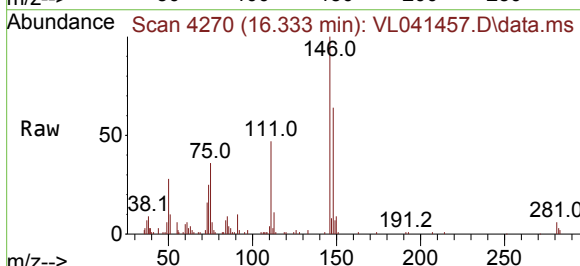
Tgt Ion: 91 Resp: 1717

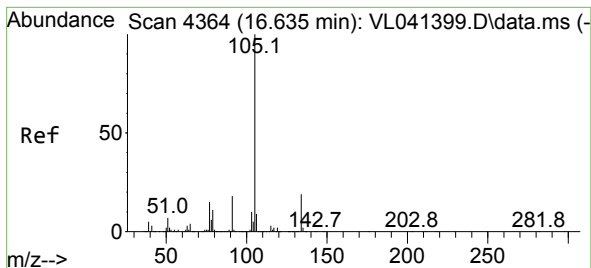
Ion Ratio Lower Upper

91 100

126 45.7 13.8 20.8#

128 4.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 0.482 ppbv

RT: 16.641 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

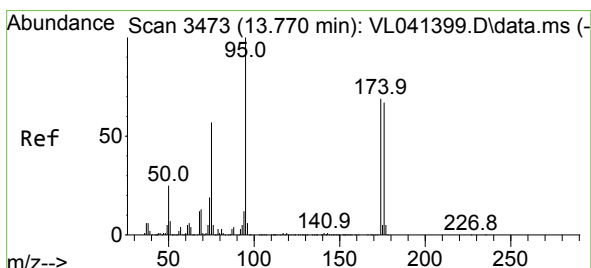
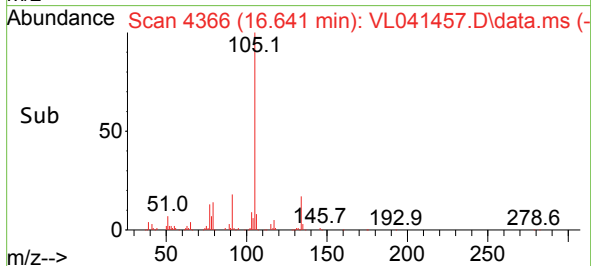
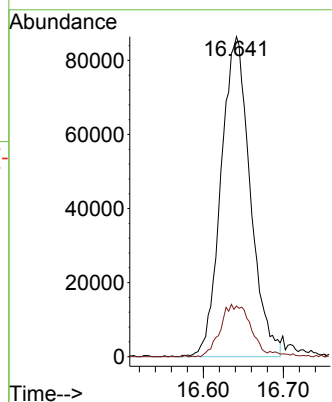
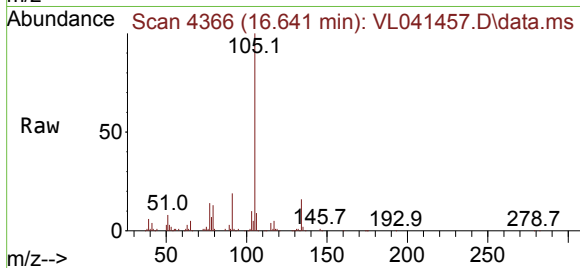
ClientSampleId :

Tgt Ion:105 Resp: 218935

Ion Ratio Lower Upper

105 100

134 17.6 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.209 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. -0.007 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

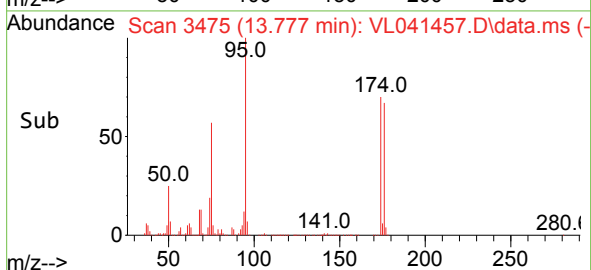
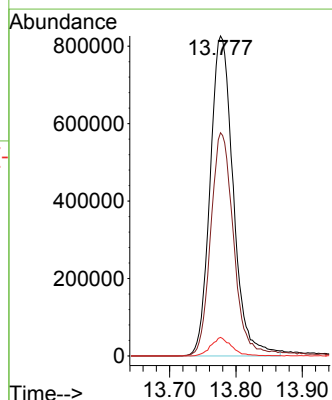
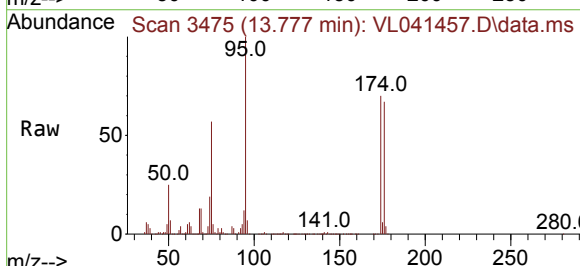
Tgt Ion: 95 Resp: 2002089

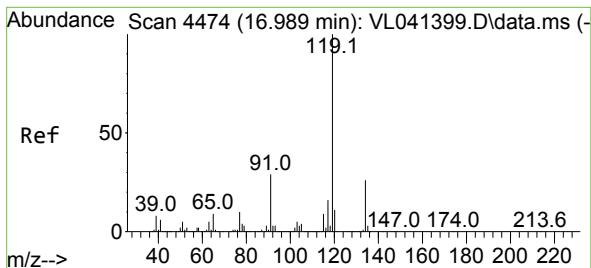
Ion Ratio Lower Upper

95 100

174 70.9 56.3 84.5

175 5.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.436 ppbv

RT: 17.001 min Scan# 4474

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

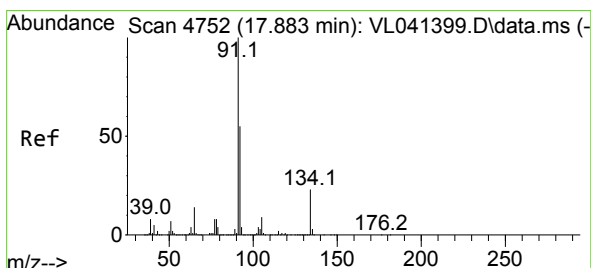
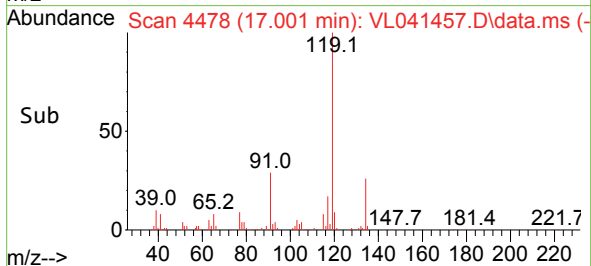
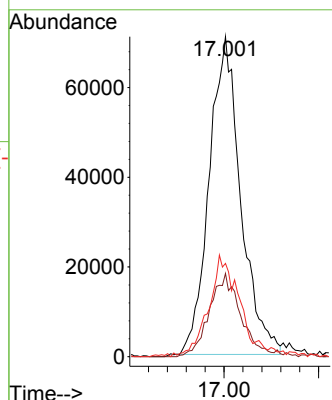
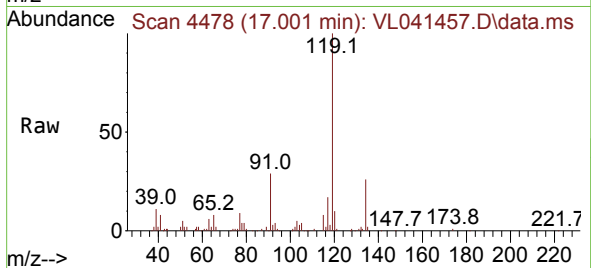
Tgt Ion:119 Resp: 164235

Ion Ratio Lower Upper

119 100

134 26.6 20.5 30.7

91 32.9 23.2 34.8



#70

n-Butylbenzene

Concen: 0.453 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. 0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

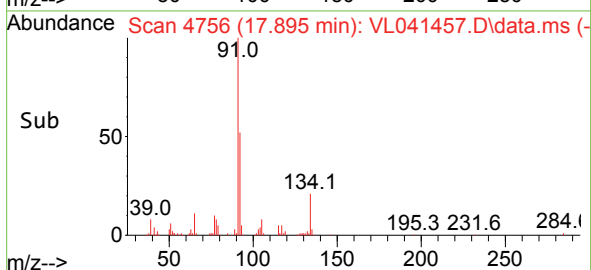
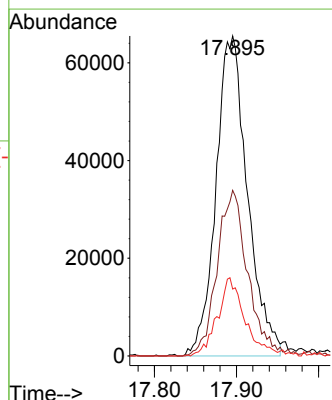
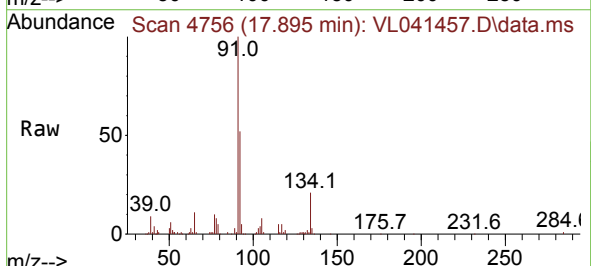
Tgt Ion: 91 Resp: 174958

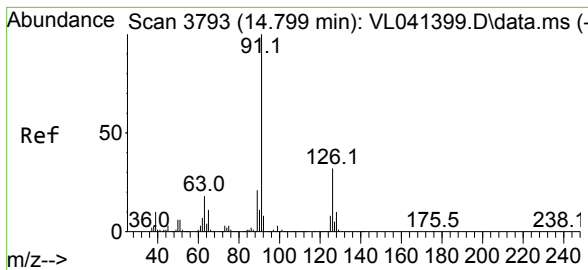
Ion Ratio Lower Upper

91 100

92 50.5 43.2 64.8

134 21.7 18.5 27.7

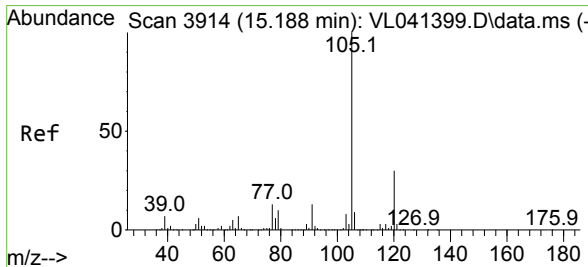
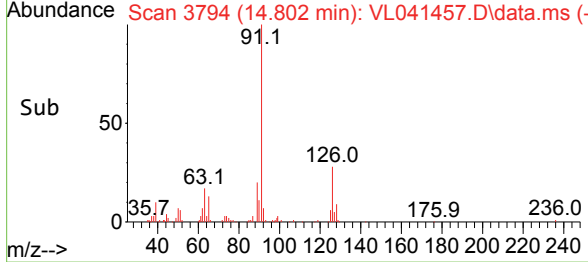
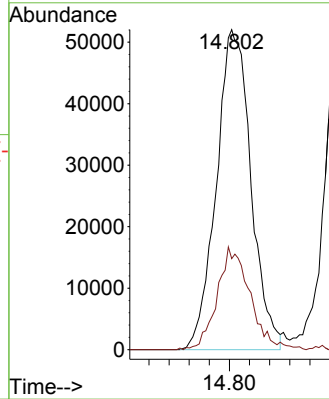
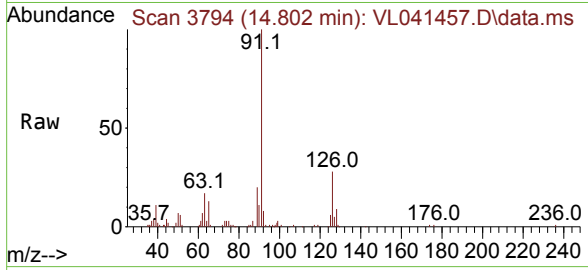




#71
2-Chlorotoluene
Concen: 0.462 ppbv
RT: 14.802 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

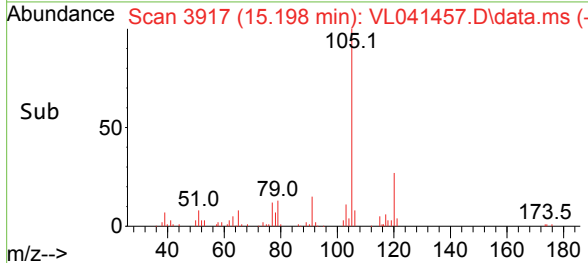
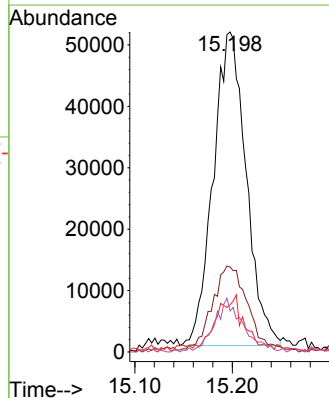
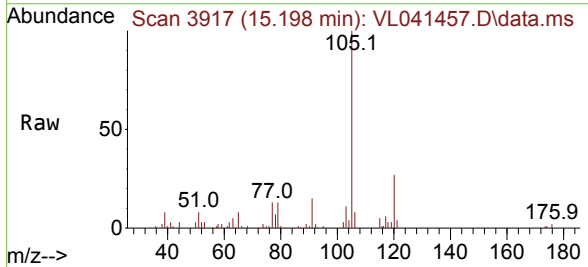
Instrument :
MSVOA_L
ClientSampleId :

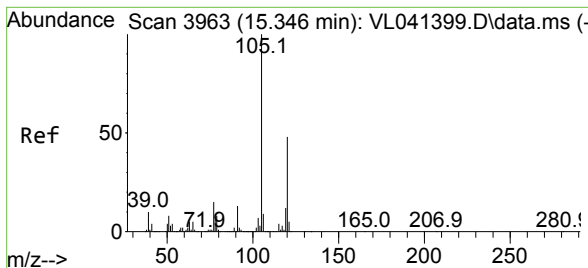
Tgt Ion: 91 Resp: 124256
Ion Ratio Lower Upper
91 100
126 30.8 12.7 50.9



#72
4-Ethyltoluene
Concen: 0.424 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.000 min
Lab File: VL041457.D
Acq: 31 Jul 2024 10:54

Tgt Ion: 105 Resp: 119775
Ion Ratio Lower Upper
105 100
120 31.4 24.2 36.2
91 16.5 10.4 15.6#
77 15.5 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.443 ppbv

RT: 15.355 min Scan# 3963

Delta R.T. -0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

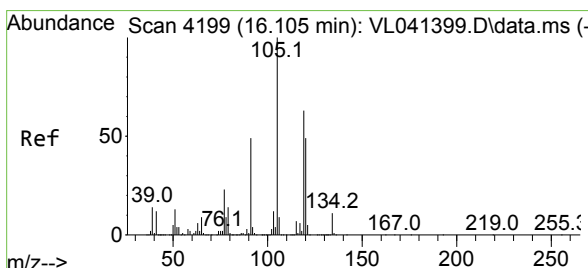
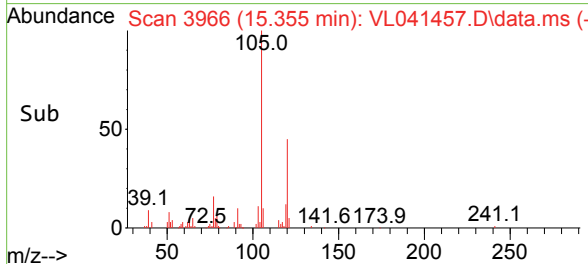
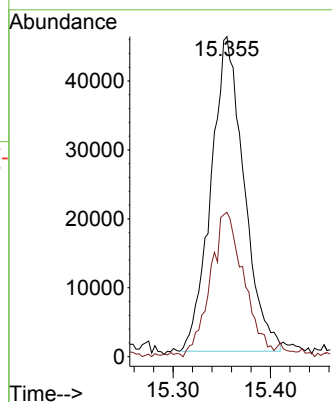
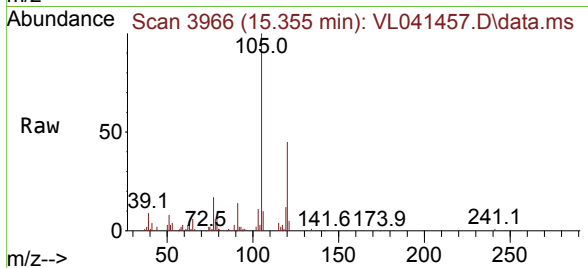
ClientSampleId :

Tgt Ion:105 Resp: 107738

Ion Ratio Lower Upper

105 100

120 45.1 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.481 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. -0.007 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Tgt Ion:105 Resp: 136021

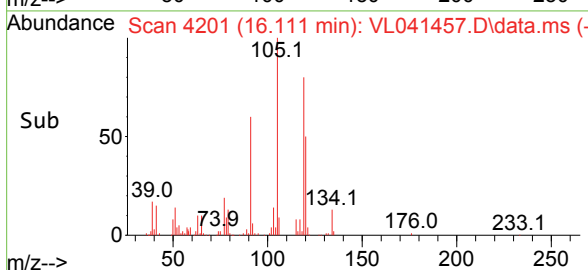
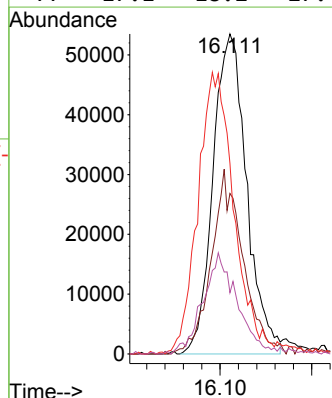
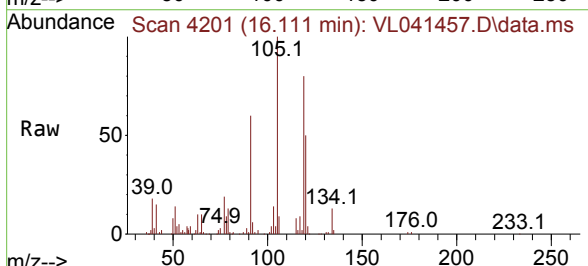
Ion Ratio Lower Upper

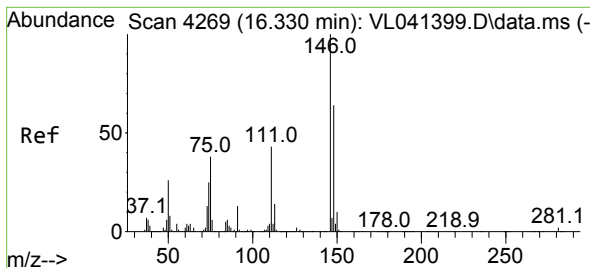
105 100

120 48.5 39.5 59.3

91 56.6 39.8 59.8

77 17.1 18.2 27.4#





#75

1,3-Dichlorobenzene

Concen: 0.474 ppbv

RT: 16.339 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

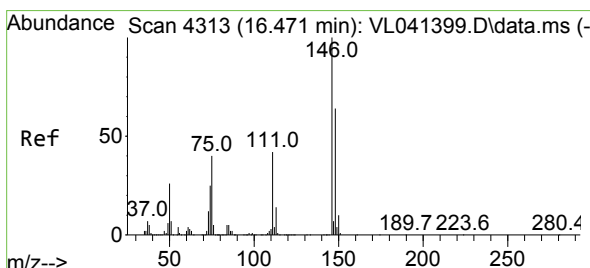
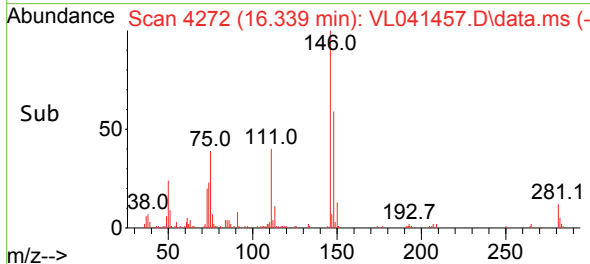
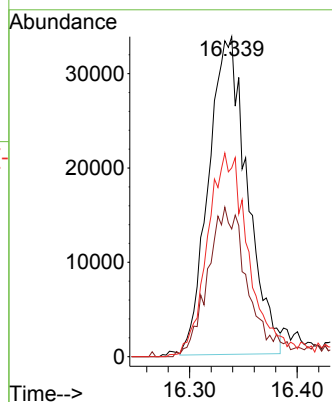
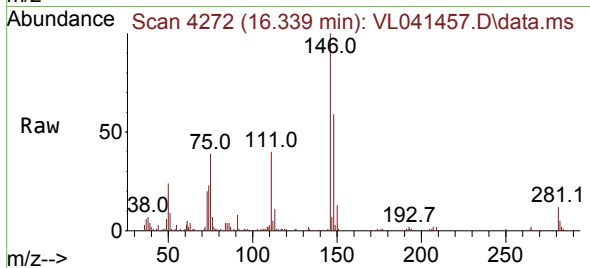
Tgt Ion:146 Resp: 84277

Ion Ratio Lower Upper

146 100

111 50.3 22.6 67.8

148 69.9 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 0.205 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. -0.000 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

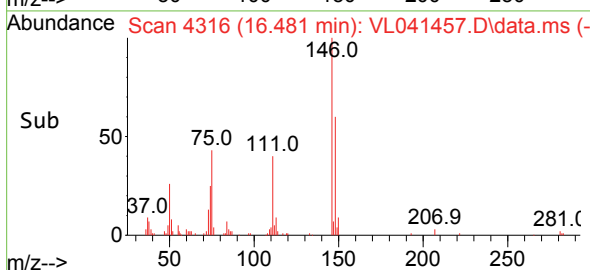
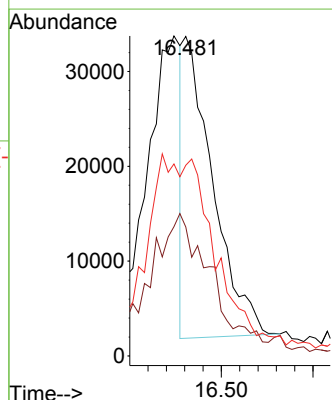
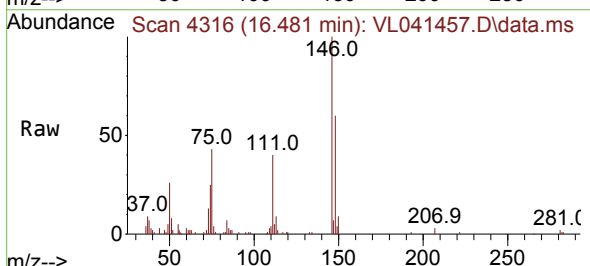
Tgt Ion:146 Resp: 35274

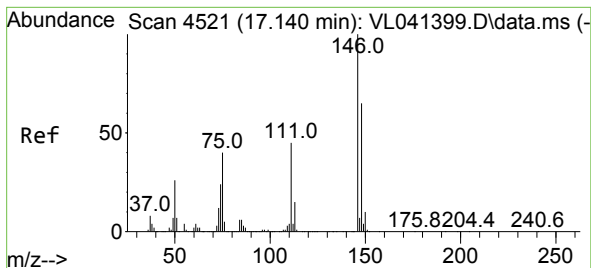
Ion Ratio Lower Upper

146 100

111 113.0 22.4 67.0#

148 0.0 33.1 99.5#





#77

1,2-Dichlorobenzene

Concen: 0.489 ppbv

RT: 17.146 min Scan# 4521

Delta R.T. -0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

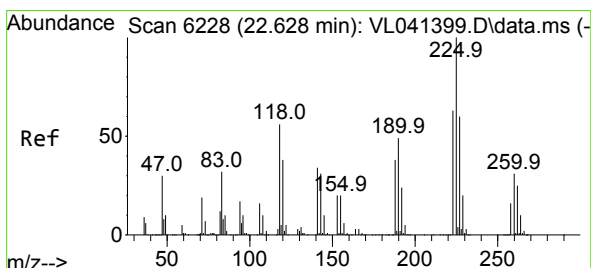
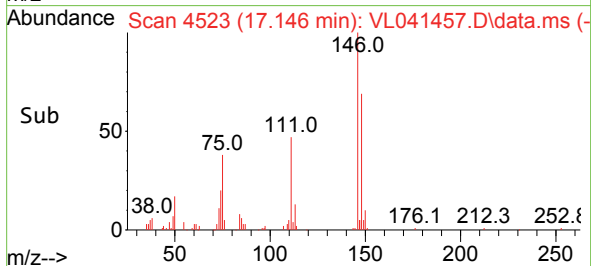
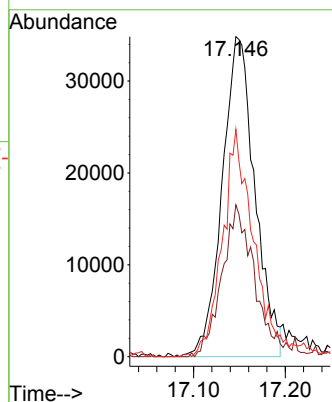
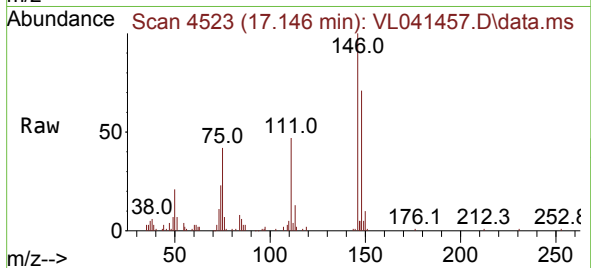
Tgt Ion:146 Resp: 86198

Ion Ratio Lower Upper

146 100

111 48.4 23.4 70.0

148 70.0 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 0.541 ppbv

RT: 22.631 min Scan# 6229

Delta R.T. -0.007 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

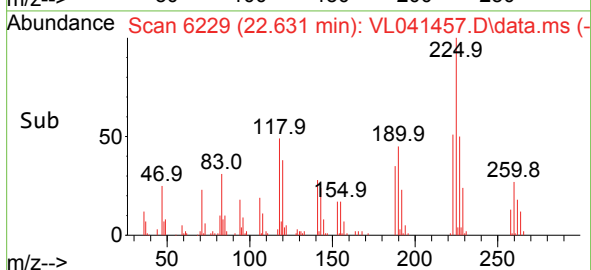
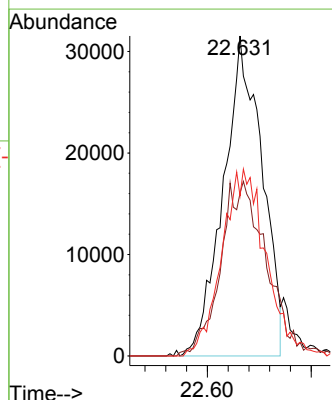
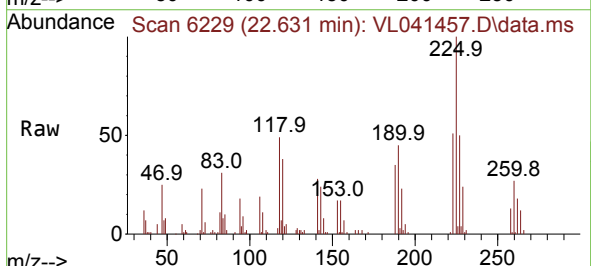
Tgt Ion:225 Resp: 81325

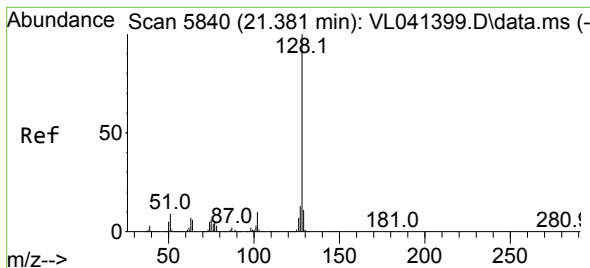
Ion Ratio Lower Upper

225 100

223 64.8 50.6 76.0

227 67.1 50.8 76.2





#79

Naphthalene

Concen: 0.397 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. 0.006 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

Instrument :

MSVOA_L

ClientSampleId :

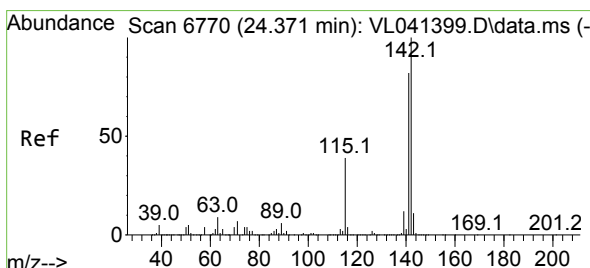
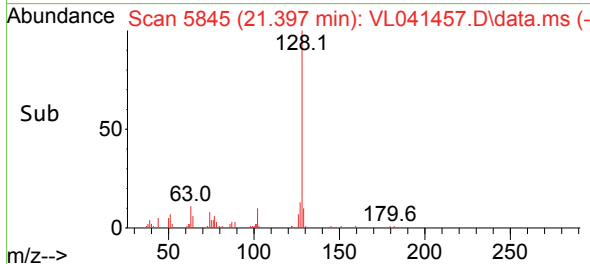
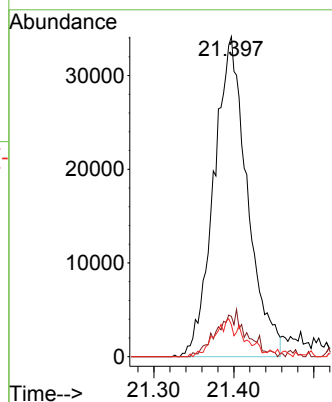
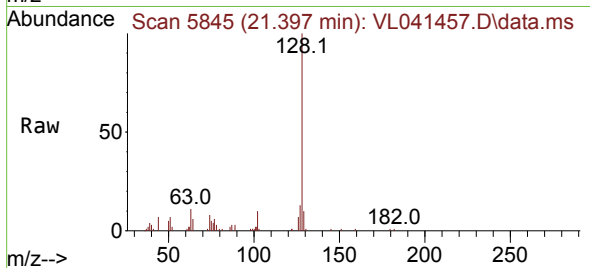
Tgt Ion:128 Resp: 99161

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 9.9 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 0.140 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.003 min

Lab File: VL041457.D

Acq: 31 Jul 2024 10:54

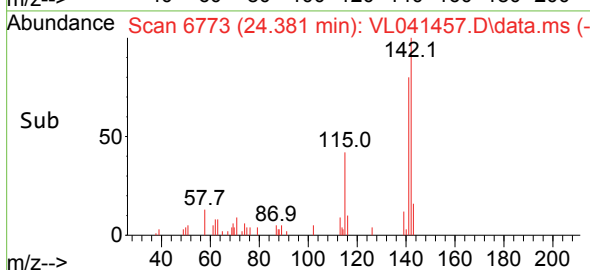
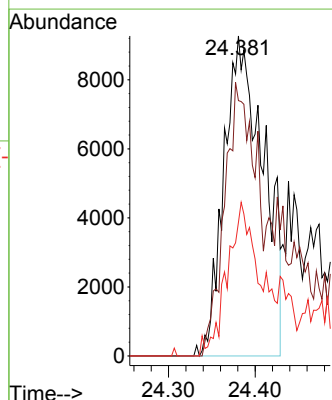
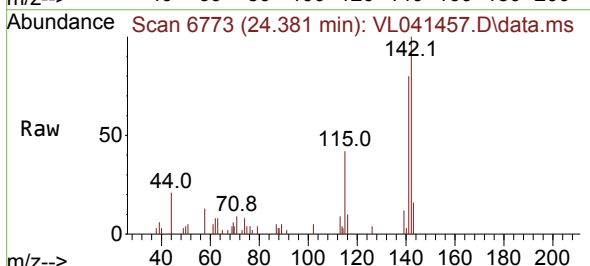
Tgt Ion:142 Resp: 29272

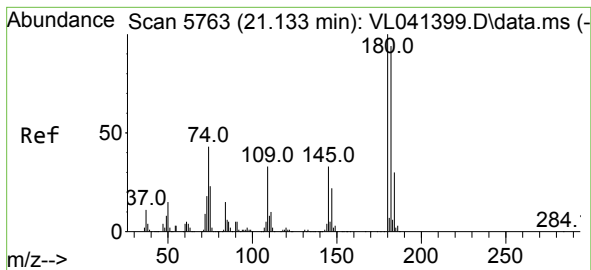
Ion Ratio Lower Upper

142 100

141 108.0 67.0 100.4

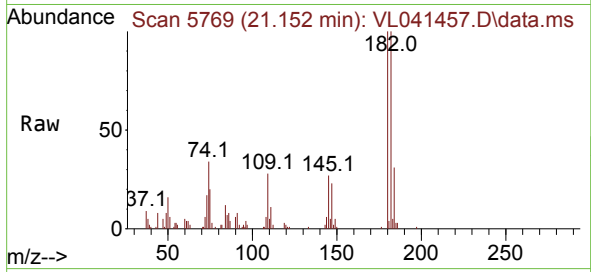
115 47.7 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 0.294 ppbv
 RT: 21.152 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041457.D
 Acq: 31 Jul 2024 10:54

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 43655
 Ion Ratio Lower Upper
 180 100
 182 143.7 76.7 115.1#
 184 46.0 24.5 36.7#

