

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041496.D
 Acq On : 5 Aug 2024 11:05
 Operator : SY/MD
 Sample : P3390-15 0.45 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 06 02:12:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1077173	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2979247	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2727370	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2134379	10.169	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	91818	0.495	ppbv	99
3) Chlorodifluoromethane	2.684	51	59766	0.466	ppbv	99
4) Chloromethane	2.819	50	32544	0.477	ppbv	89
5) Vinyl Chloride	2.928	62	26329	0.392	ppbv	96
6) Bromomethane	3.124	94	16240	0.470	ppbv	91
7) Chloroethane	3.205	64	9855	0.425	ppbv #	87
8) Dichlorotetrafluoroethane	2.861	85	74657	0.455	ppbv	100
9) Propene	2.703	41	24287	0.412	ppbv	84
10) Heptane	7.581	43	48474	0.366	ppbv	94
11) Trichlorofluoromethane	3.565	101	75034	0.456	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.070	101	52537	0.443	ppbv	97
13) Ethanol	3.253	45	683	0.130	ppbv	96
14) Bromoethene	3.369	108	19265	0.417	ppbv #	91
15) Acetone	3.488	43	62706	0.512	ppbv	98
16) 1,3-Butadiene	2.993	39	22142	0.339	ppbv #	74
17) tert-Butyl alcohol	3.903	59	44136	0.395	ppbv	95
18) 1,1-Dichloroethene	3.886	96	24153	0.476	ppbv	85
19) Isopropyl Alcohol	3.597	45	26195	0.366	ppbv #	87
20) Methylene Chloride	3.935	84	21226	0.465	ppbv #	82
21) Allyl Chloride	3.999	41	30796	0.384	ppbv	86
22) trans-1,2-Dichloroethene	4.449	96	13512	0.267	ppbv	94
23) Vinyl Acetate	4.632	43	31877	0.341	ppbv #	93
24) 1,1-Dichloroethane	4.565	63	47877	0.435	ppbv	98
25) Ethyl Acetate	5.214	43	98865	0.407	ppbv	98
26) Hexane	5.214	57	38376	0.380	ppbv	82
27) Carbon Disulfide	4.128	76	36484	0.309	ppbv #	79
28) Methyl tert-Butyl Ether	4.603	73	27246	0.428	ppbv	98
29) Chloroform	5.272	83	74367	0.452	ppbv	94
30) Cyclohexane	6.603	84	13836	0.168	ppbv #	1
31) cis-1,2-Dichloroethene	5.079	61	38456	0.386	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	67525	0.422	ppbv	98
34) 2-Butanone	4.803	43	56732	0.394	ppbv	99
35) Carbon Tetrachloride	6.494	117	66810	0.407	ppbv	98
36) Benzene	6.369	78	83481	0.383	ppbv	97
37) 1,2-Dichloroethane	5.806	62	50533	0.415	ppbv	99
38) Trichloroethene	7.295	130	17252	0.173	ppbv	94
39) 1,2-Dichloropropane	7.070	63	33371	0.400	ppbv	88
40) 1,4-Dioxane	7.291	88	322	0.010	ppbv #	1
41) Tetrahydrofuran	5.581	42	26578	0.322	ppbv	94
42) Bromodichloromethane	7.246	83	67982	0.386	ppbv #	98
43) Methyl Methacrylate	7.478	69	16981	0.218	ppbv #	32
44) 2,2,4-Trimethylpentane	7.327	57	135868	0.374	ppbv #	89
45) t-1,3-Dichloropropene	8.713	75	6992	0.097	ppbv	96

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

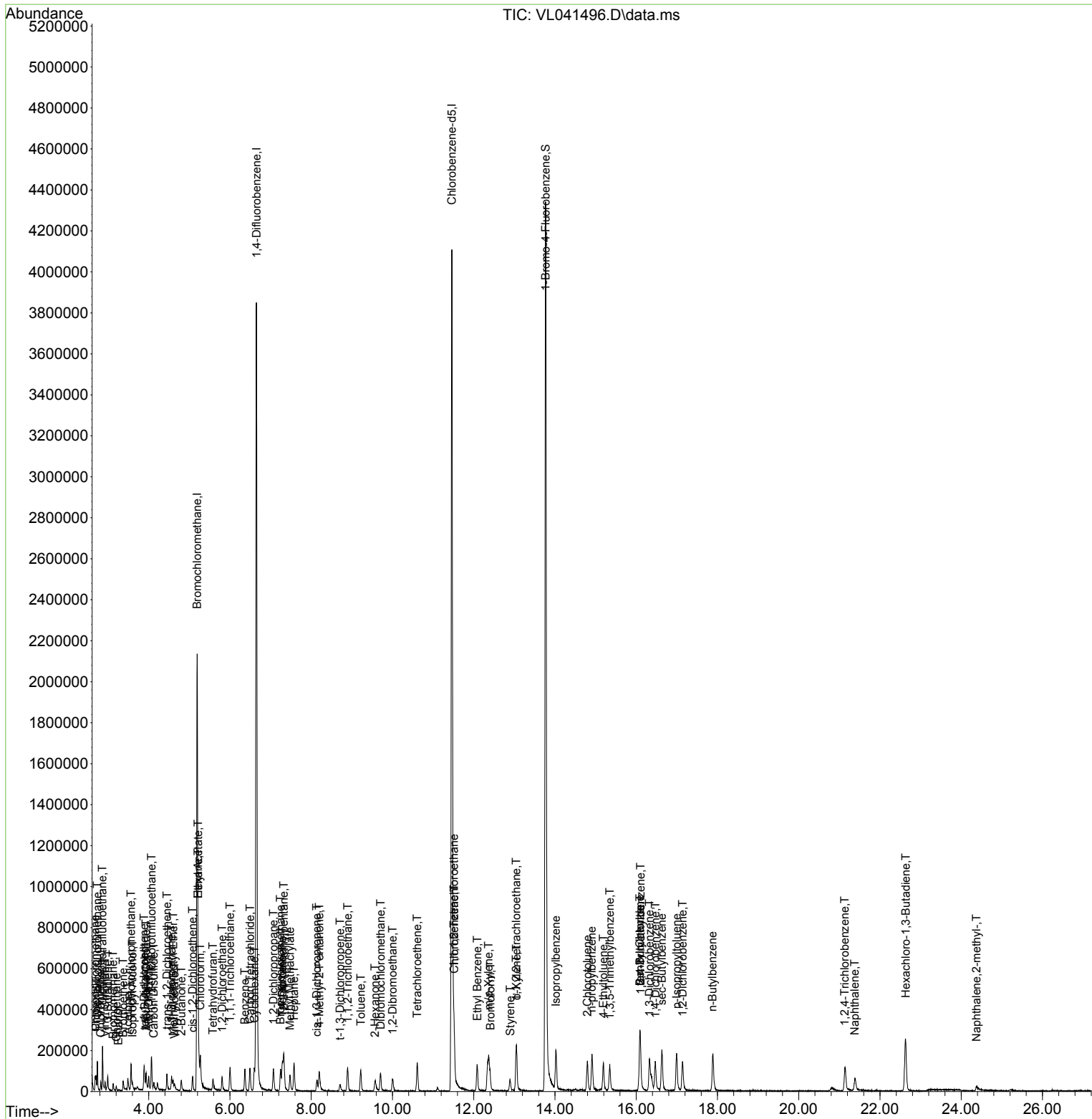
Instrument :
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 ClientSampleId :

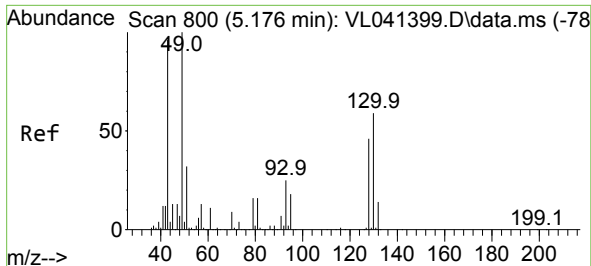
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	18940	0.183	ppbv	91
47) 1,1,2-Trichloroethane	8.896	97	37213	0.405	ppbv	90
48) Dibromochloromethane	9.713	129	20581	0.139	ppbv #	1
49) Bromoform	12.410	173	14420	0.115	ppbv #	1
50) 4-Methyl-2-Pentanone	8.198	43	77159	0.339	ppbv	98
51) 2-Hexanone	9.568	43	23868	0.139	ppbv #	30
52) Tetrachloroethene	10.610	164	33686	0.400	ppbv	96
53) Toluene	9.221	91	78413	0.323	ppbv	98
54) 1,2-Dibromoethane	10.005	107	47660	0.390	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	14703	0.139	ppbv #	1
57) Chlorobenzene	11.516	112	85828	0.442	ppbv #	89
58) Ethyl Benzene	12.089	91	110006	0.350	ppbv	96
59) m/p-Xylene	12.368	91	127022	0.468	ppbv #	61
60) o-Xylene	13.053	91	91506	0.356	ppbv	97
61) Styrene	12.899	104	14403	0.124	ppbv #	2
62) Isopropylbenzene	14.021	105	78909	0.202	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.047	83	63769	0.393	ppbv	82
64) n-propylbenzene	14.909	120	21435	0.210	ppbv #	1
65) tert-Butylbenzene	16.092	119	131089	0.372	ppbv	93
66) Benzyl Chloride	16.092	91	110326	4.880	ppbv #	67
67) sec-Butylbenzene	16.632	105	184979	0.381	ppbv	100
69) p-Isopropyltoluene	16.995	119	86559	0.215	ppbv #	52
70) n-Butylbenzene	17.879	91	60568	0.147	ppbv #	28
71) 2-Chlorotoluene	14.796	91	106763	0.371	ppbv	97
72) 4-Ethyltoluene	15.191	105	101203	0.335	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.349	105	90701	0.348	ppbv	87
74) 1,2,4-Trimethylbenzene	16.105	105	120984	0.400	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	76620	0.403	ppbv	95
76) 1,4-Dichlorobenzene	16.474	146	70868	0.385	ppbv	92
77) 1,2-Dichlorobenzene	17.140	146	74674	0.396	ppbv	93
78) Hexachloro-1,3-Butadiene	22.635	225	75145	0.467	ppbv	99
79) Naphthalene	21.378	128	28223	0.106	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	20686	0.092	ppbv #	85
81) 1,2,4-Trichlorobenzene	21.133	180	20677	0.130	ppbv #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

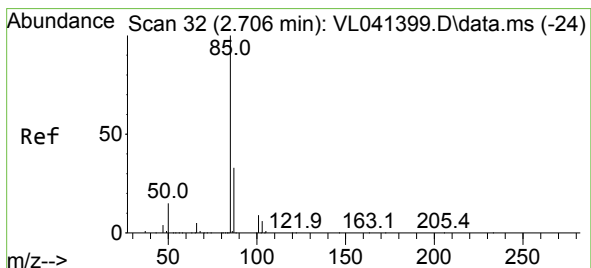
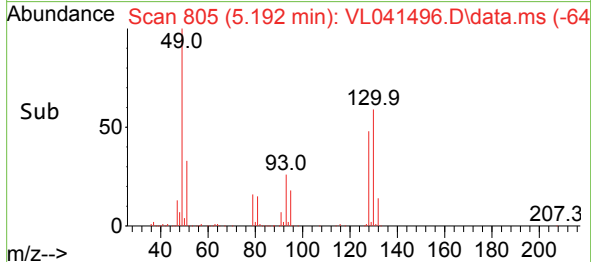
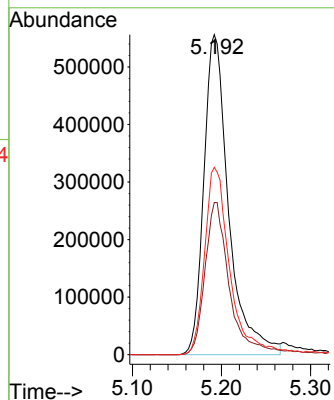
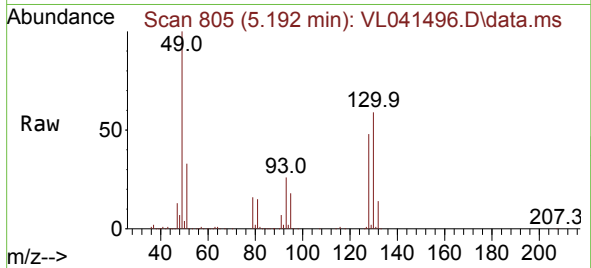




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

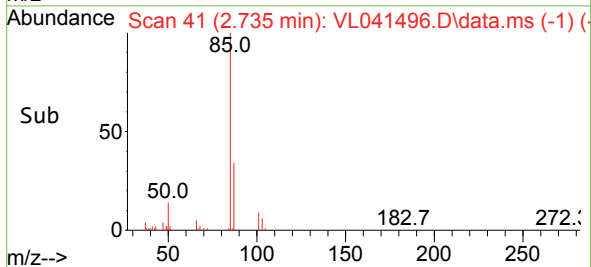
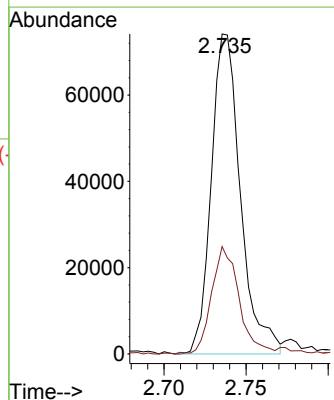
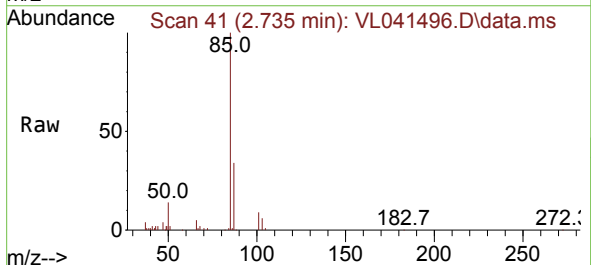
Instrument :
MSVOA_L
ClientSampleId :

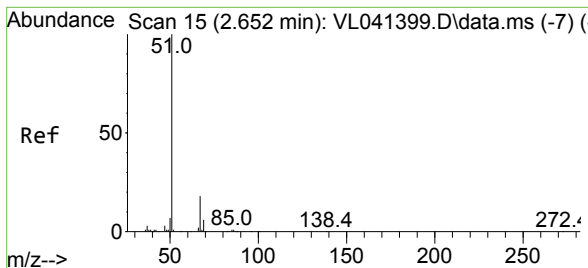
Tgt Ion: 49 Resp: 1077173
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.4
130 61.8 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.495 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 85 Resp: 91818
Ion Ratio Lower Upper
85 100
87 33.1 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.466 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

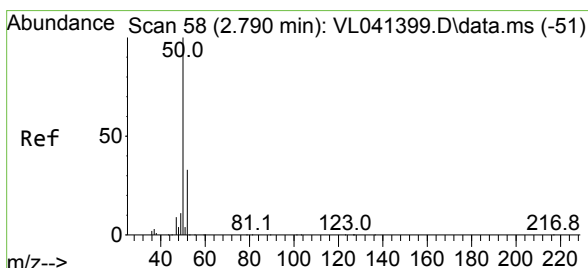
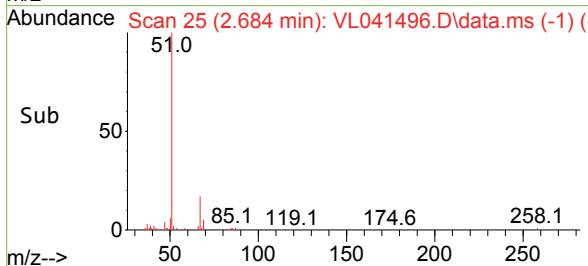
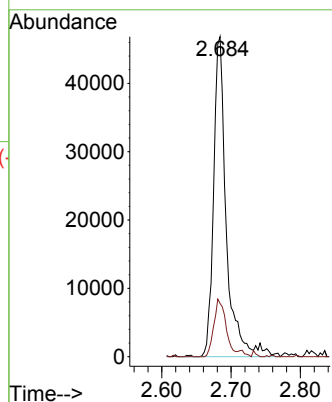
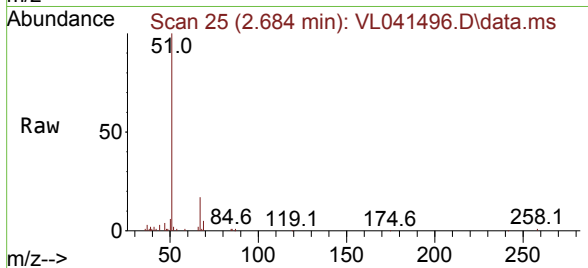
ClientSampleId :

Tgt Ion: 51 Resp: 59766

Ion Ratio Lower Upper

51 100

67 18.8 14.5 21.7



#4

Chloromethane

Concen: 0.477 ppbv

RT: 2.819 min Scan# 67

Delta R.T. 0.003 min

Lab File: VL041496.D

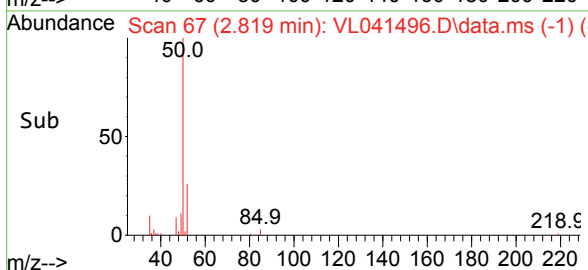
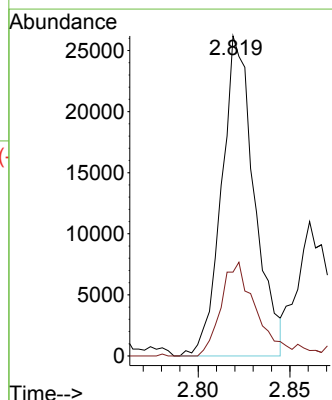
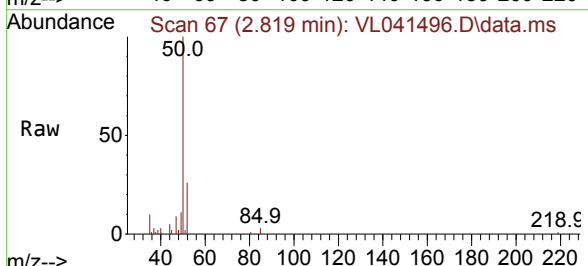
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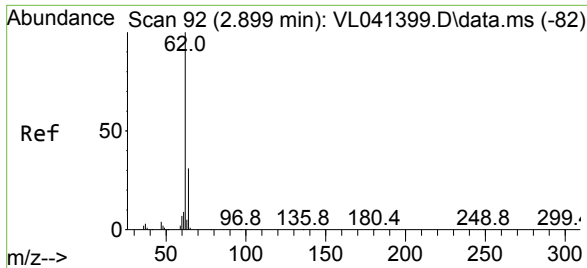
Tgt Ion: 50 Resp: 32544

Ion Ratio Lower Upper

50 100

52 26.5 26.1 39.1

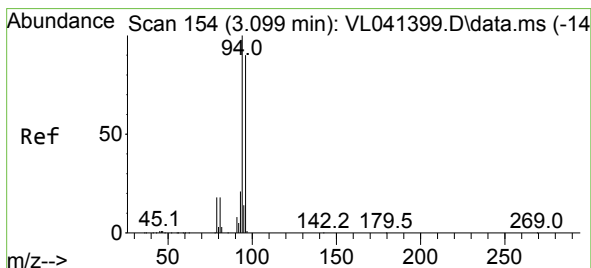
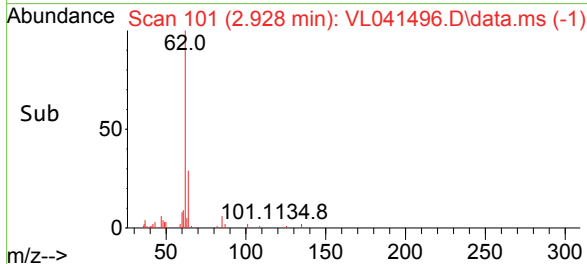
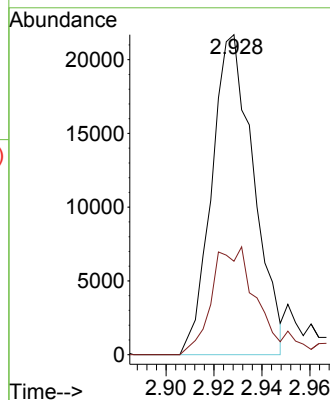
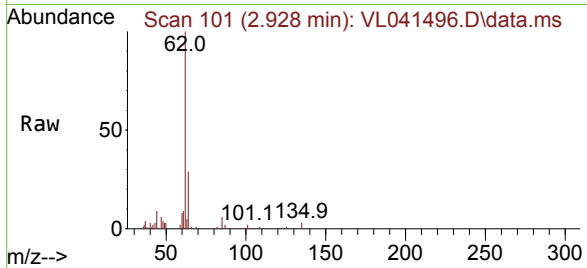




#5
 Vinyl Chloride
 Concen: 0.392 ppbv
 RT: 2.928 min Scan# 110
 Delta R.T. 0.007 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

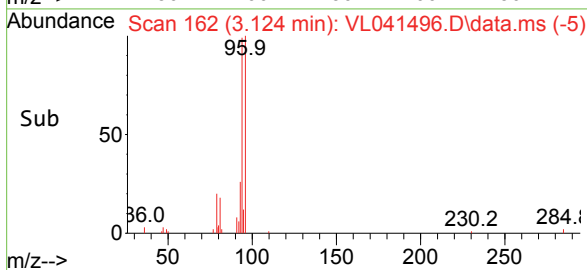
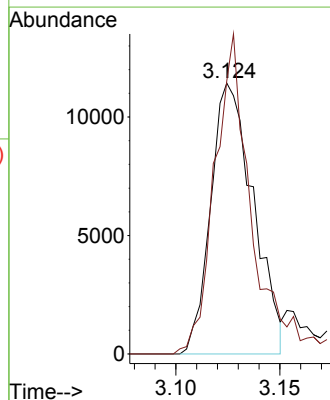
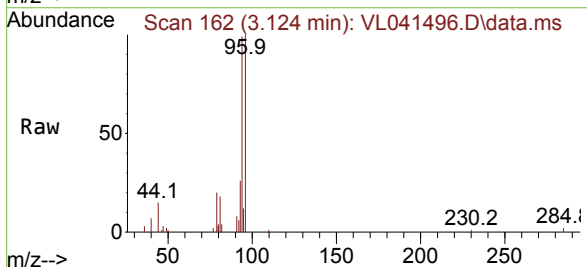
Instrument :
 MSVOA_L
 ClientSampleId :

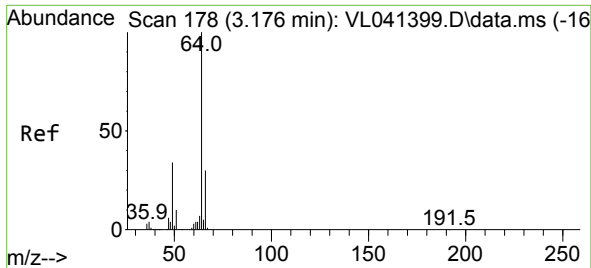
Tgt Ion: 62 Resp: 26329
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.0 37.4



#6
 Bromomethane
 Concen: 0.470 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Tgt Ion: 94 Resp: 16240
 Ion Ratio Lower Upper
 94 100
 96 98.9 72.3 108.5

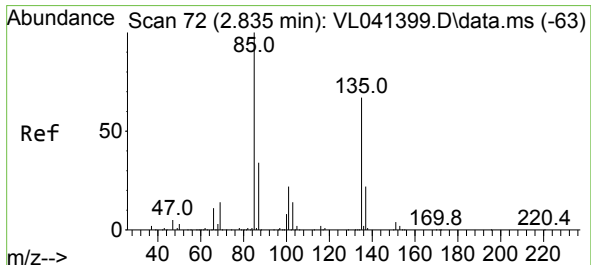
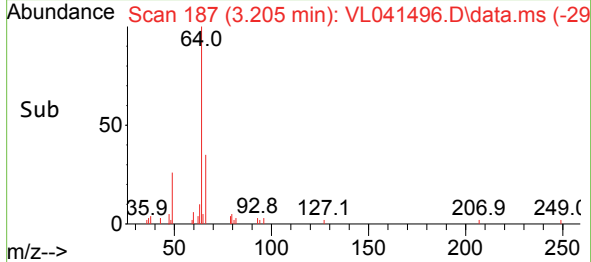
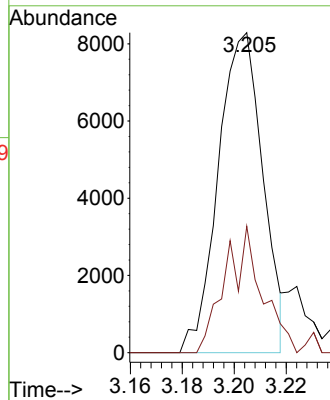
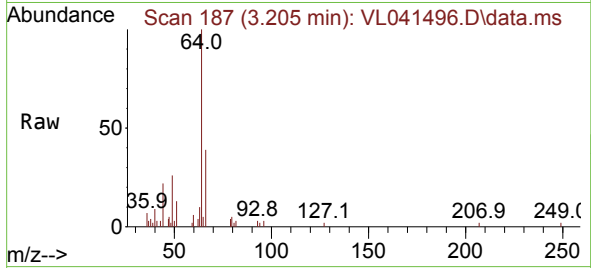




#7
Chloroethane
Concen: 0.425 ppbv
RT: 3.205 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

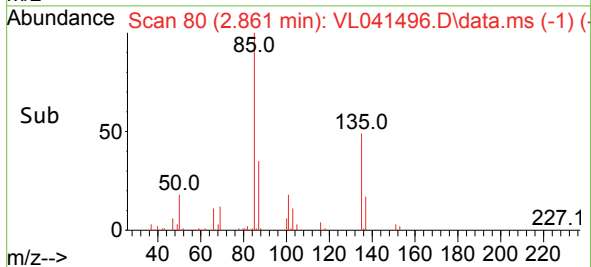
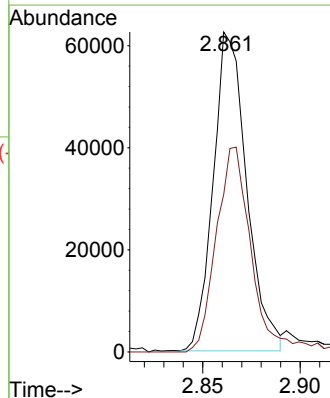
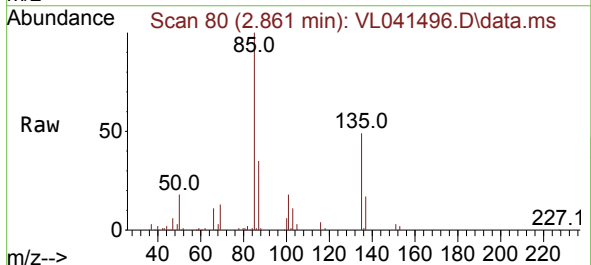
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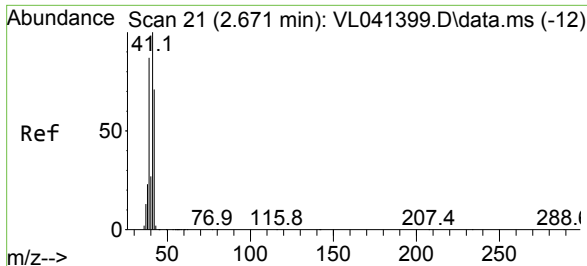
Tgt Ion: 64 Resp: 9855
Ion Ratio Lower Upper
64 100
66 37.5 24.2 36.2#



#8
Dichlorotetrafluoroethane
Concen: 0.455 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 85 Resp: 74657
Ion Ratio Lower Upper
85 100
135 69.4 55.4 83.0

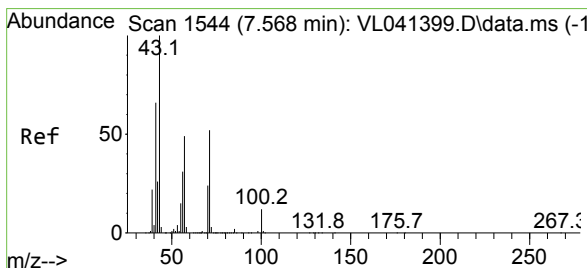
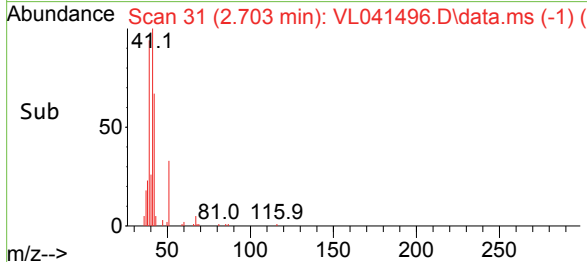
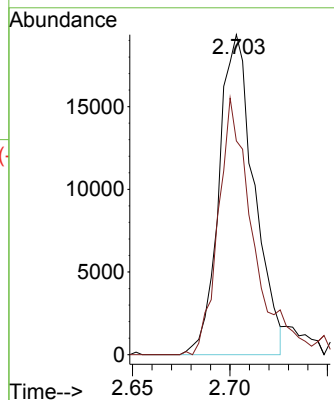
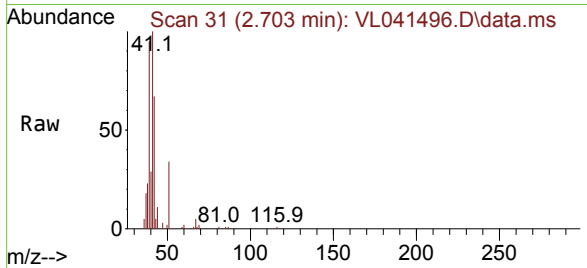




#9
Propene
Concen: 0.412 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

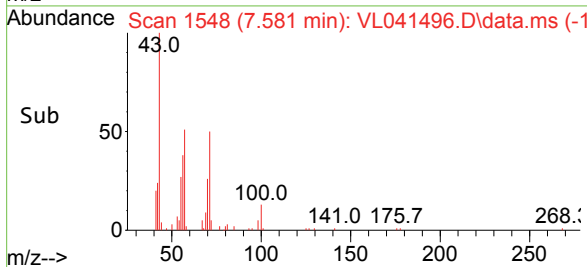
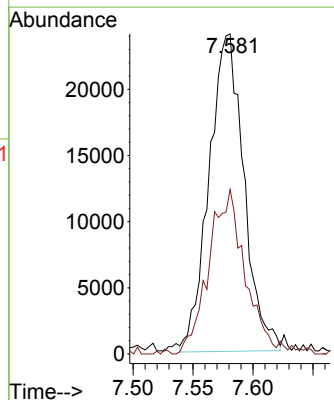
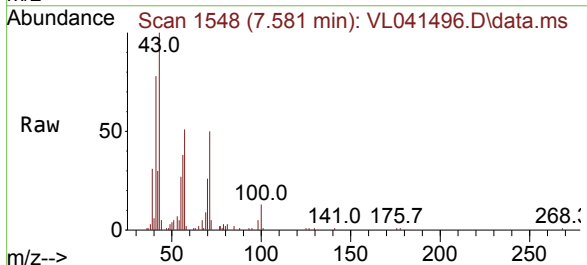
Instrument :
MSVOA_L
ClientSampleId :

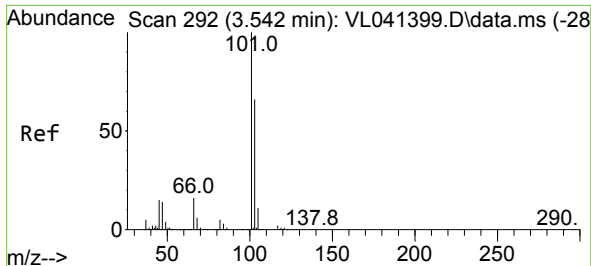
Tgt Ion: 41 Resp: 24287
Ion Ratio Lower Upper
41 100
42 83.2 55.9 83.9



#10
Heptane
Concen: 0.366 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 43 Resp: 48474
Ion Ratio Lower Upper
43 100
57 55.0 40.5 60.7

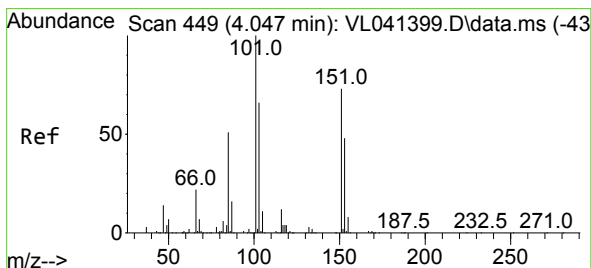
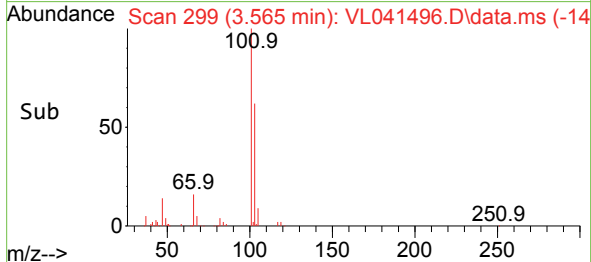
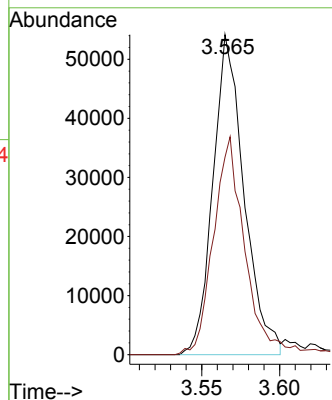
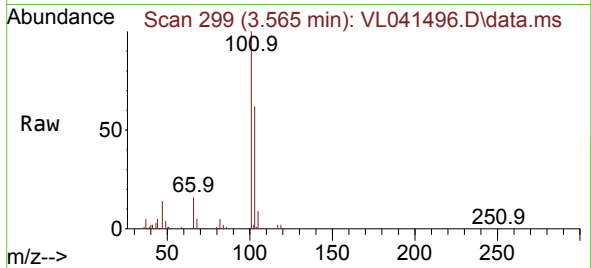




#11
 Trichlorofluoromethane
 Concen: 0.456 ppbv
 RT: 3.565 min Scan# 292
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

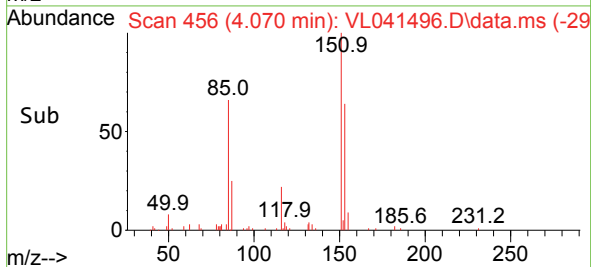
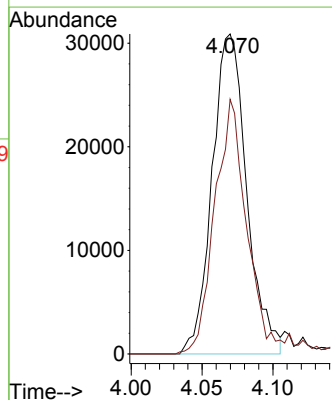
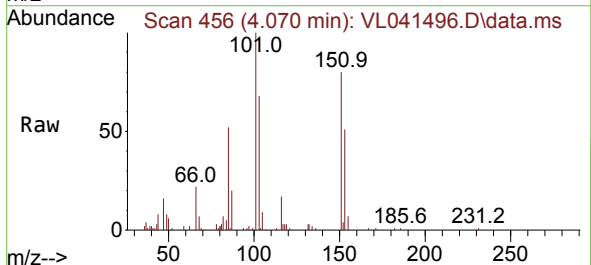
Instrument :
 MSVOA_L
 ClientSampleId :

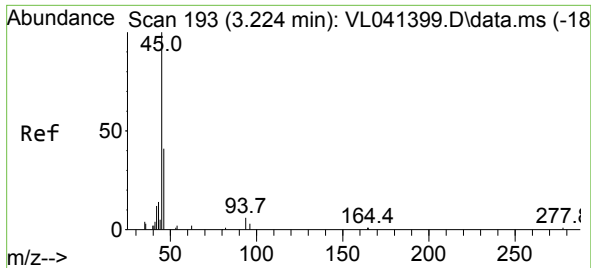
Tgt Ion:101 Resp: 75034
 Ion Ratio Lower Upper
 101 100
 103 61.2 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.443 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.007 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Tgt Ion:101 Resp: 52537
 Ion Ratio Lower Upper
 101 100
 151 77.0 59.4 89.2

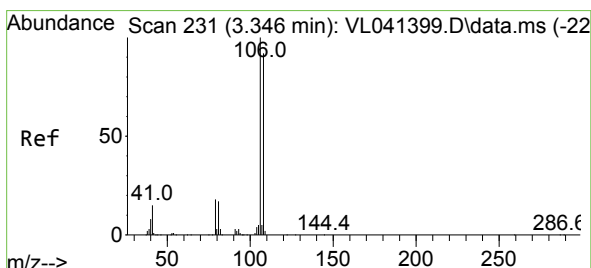
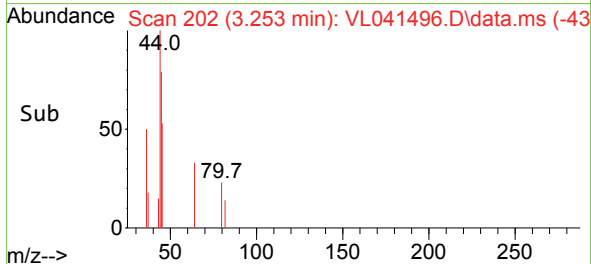
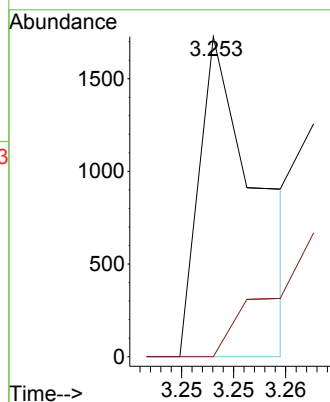
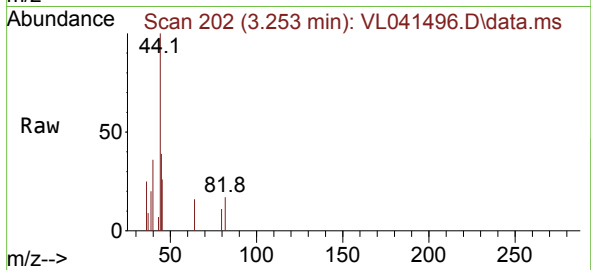




#13
Ethanol
Concen: 0.130 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

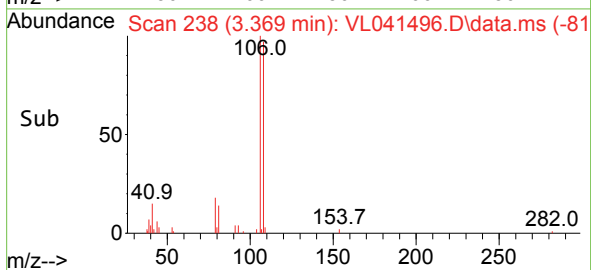
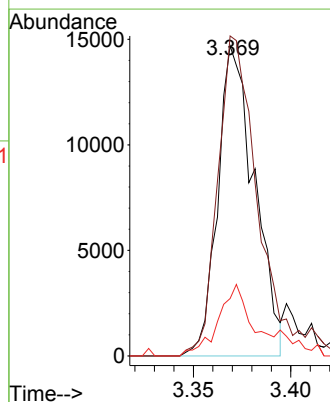
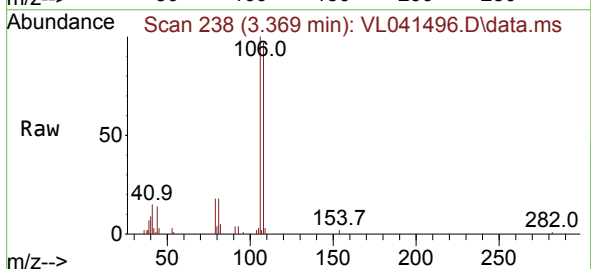
Instrument :
MSVOA_L
ClientSampleId :

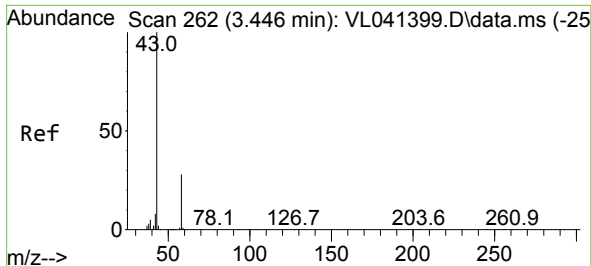
Tgt Ion: 45 Resp: 683
Ion Ratio Lower Upper
45 100
46 35.4 13.4 53.4



#14
Bromoethene
Concen: 0.417 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion:108 Resp: 19265
Ion Ratio Lower Upper
108 100
106 117.9 86.9 130.3
79 25.8 16.2 24.4#





#15

Acetone

Concen: 0.512 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

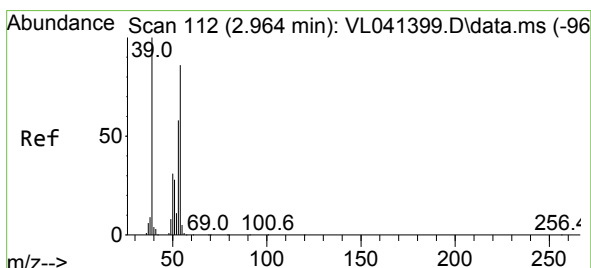
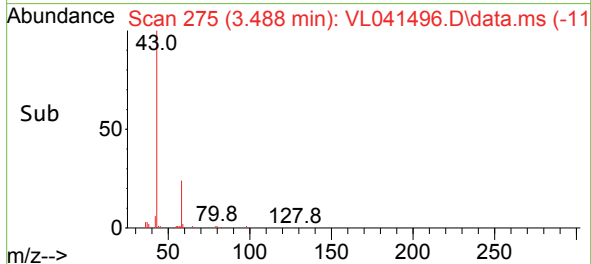
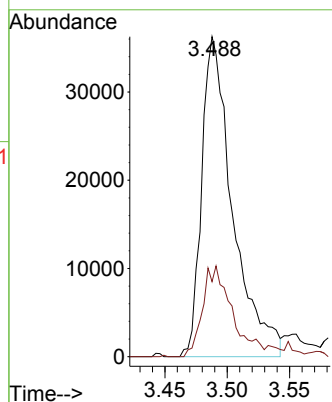
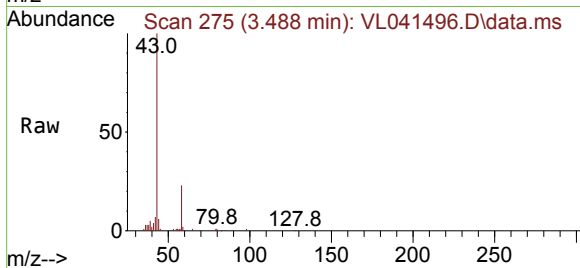
ClientSampleId :

Tgt Ion: 43 Resp: 62706

Ion Ratio Lower Upper

43 100

58 27.9 21.4 32.2



#16

1,3-Butadiene

Concen: 0.339 ppbv

RT: 2.993 min Scan# 121

Delta R.T. 0.007 min

Lab File: VL041496.D

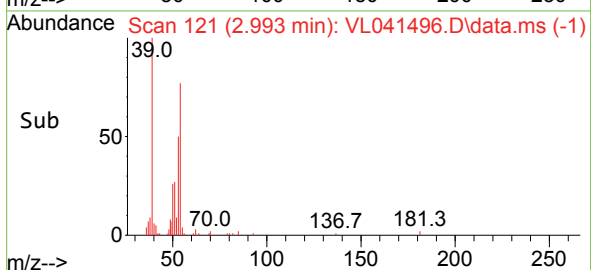
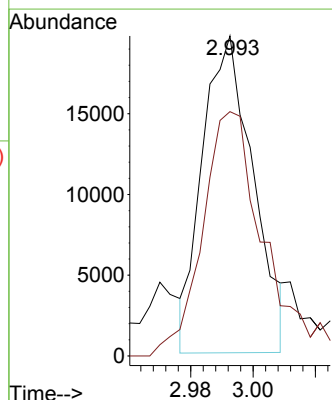
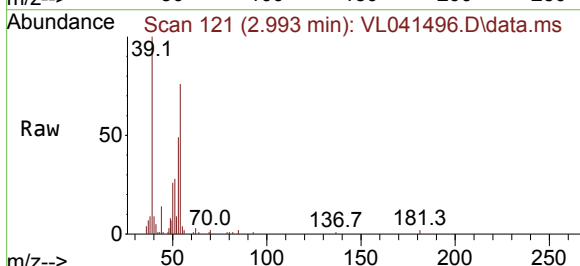
Acq: 5 Aug 2024 11:05

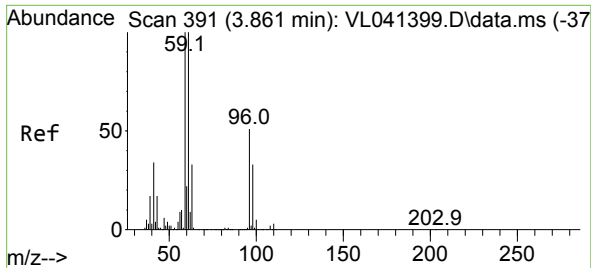
Tgt Ion: 39 Resp: 22142

Ion Ratio Lower Upper

39 100

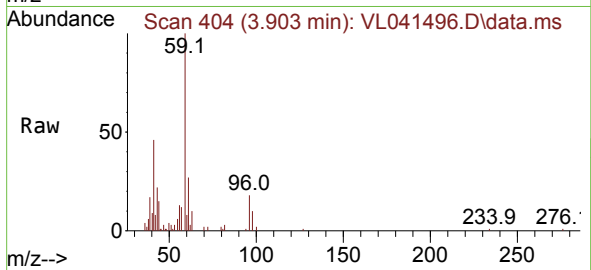
54 100.6 62.5 93.7#



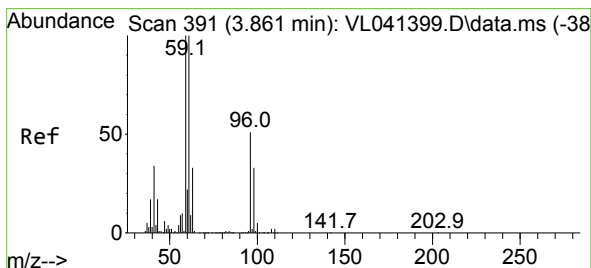
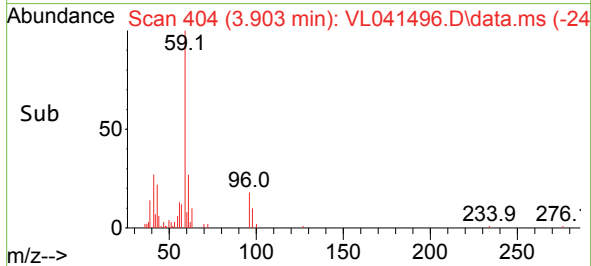
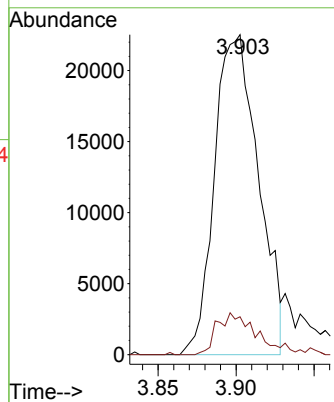


#17
tert-Butyl alcohol
Concen: 0.395 ppbv
RT: 3.903 min Scan# 404
Delta R.T. 0.026 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Instrument :
MSVOA_L
ClientSampleId :

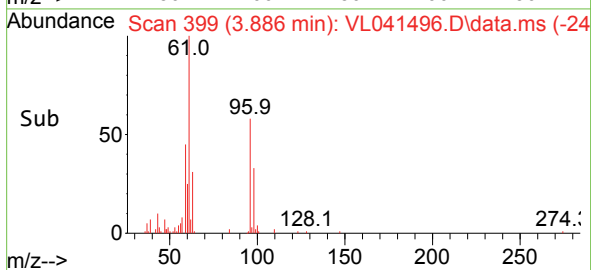
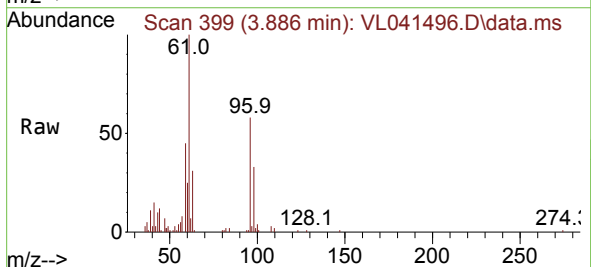
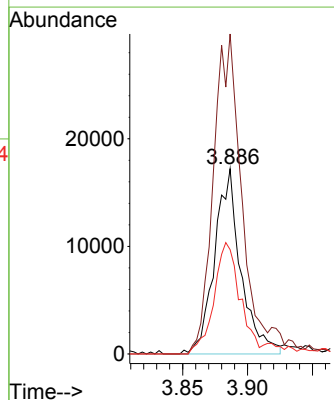


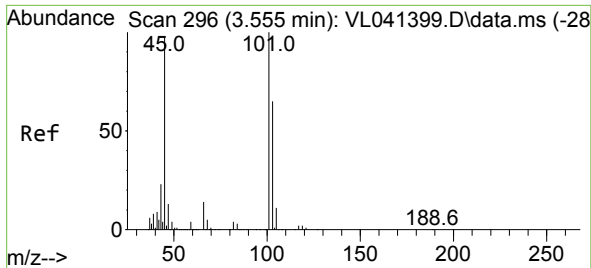
Tgt Ion: 59 Resp: 44136
Ion Ratio Lower Upper
59 100
57 12.4 8.6 12.8



#18
1,1-Dichloroethene
Concen: 0.476 ppbv
RT: 3.886 min Scan# 399
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 96 Resp: 24153
Ion Ratio Lower Upper
96 100
61 172.8 157.5 236.3
98 56.3 51.2 76.8





#19

Isopropyl Alcohol

Concen: 0.366 ppbv

RT: 3.597 min Scan# 309

Delta R.T. 0.023 min

Lab File: VL041496.D

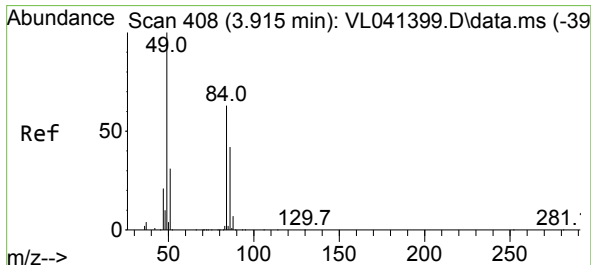
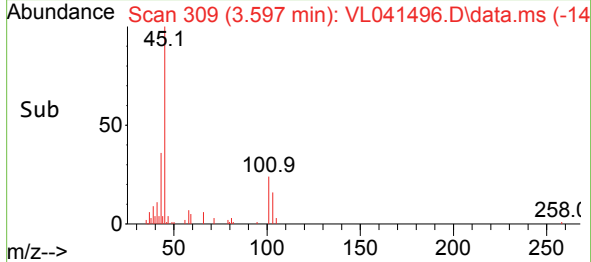
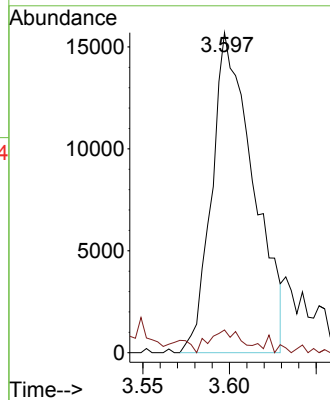
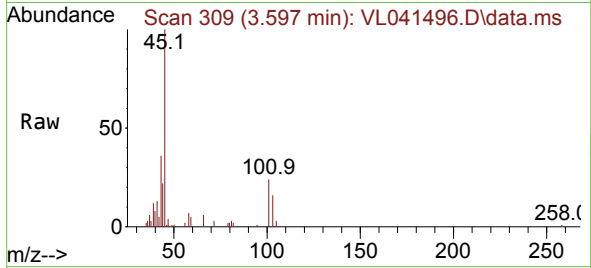
Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 45 Resp: 26195
 Ion Ratio Lower Upper
 45 100
 58 6.8 1.9 2.9#



#20

Methylene Chloride

Concen: 0.465 ppbv

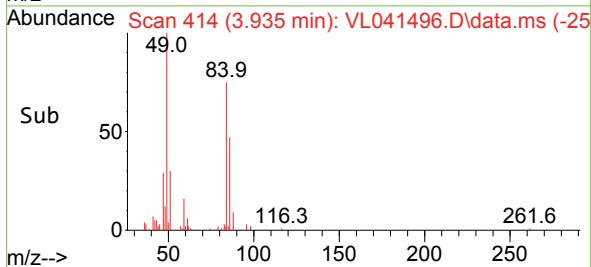
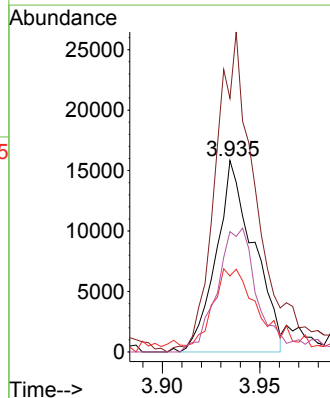
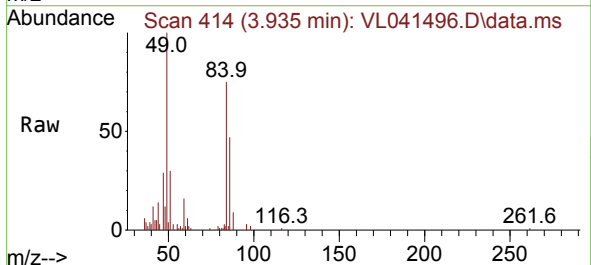
RT: 3.935 min Scan# 414

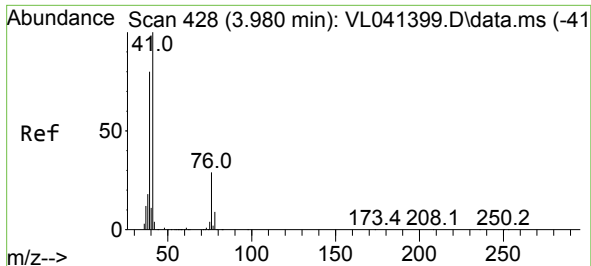
Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Tgt Ion: 84 Resp: 21226
 Ion Ratio Lower Upper
 84 100
 49 126.6 126.6 190.0
 51 36.1 38.6 58.0#
 86 62.9 53.0 79.4

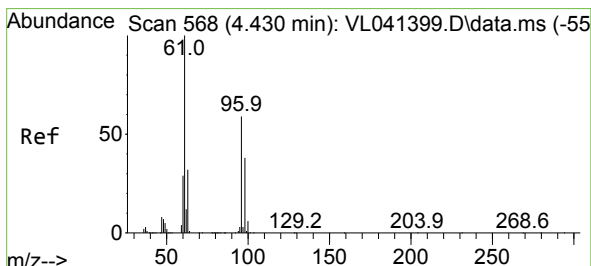
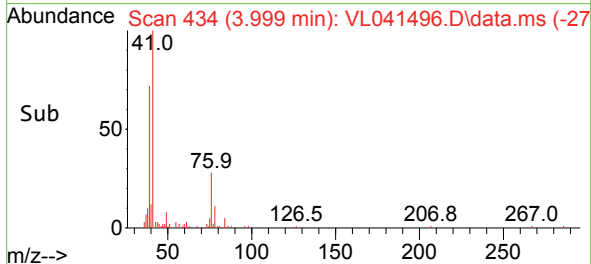
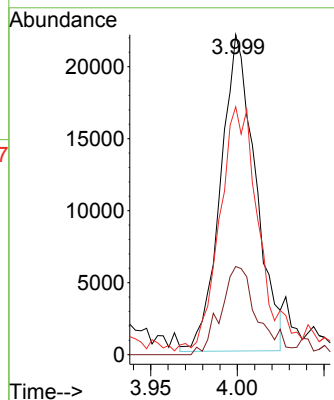
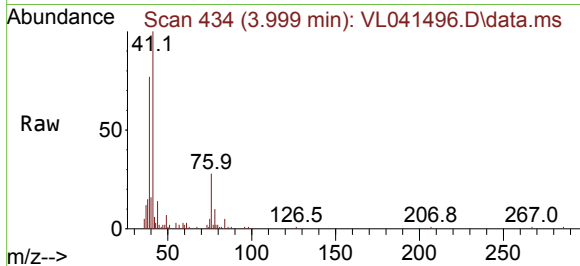




#21
 Allyl Chloride
 Concen: 0.384 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

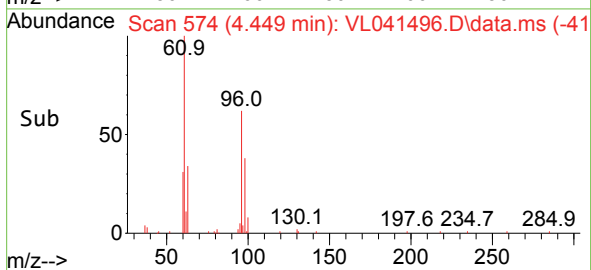
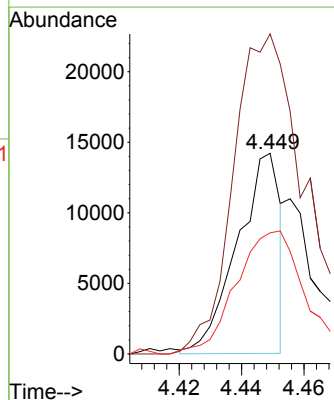
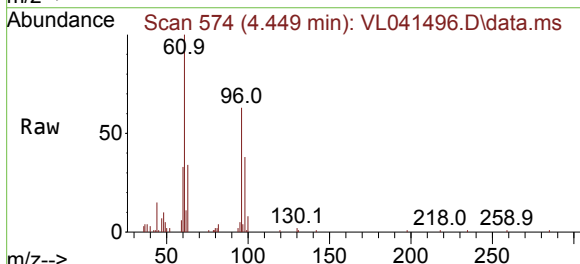
Instrument :
 MSVOA_L
 ClientSampleId :

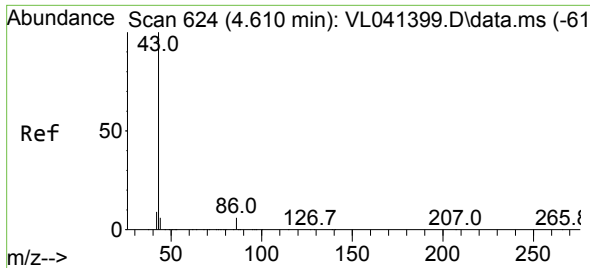
Tgt Ion: 41 Resp: 30796
 Ion Ratio Lower Upper
 41 100
 76 31.9 23.7 35.5
 39 95.7 64.3 96.5



#22
 trans-1,2-Dichloroethene
 Concen: 0.267 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. 0.007 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

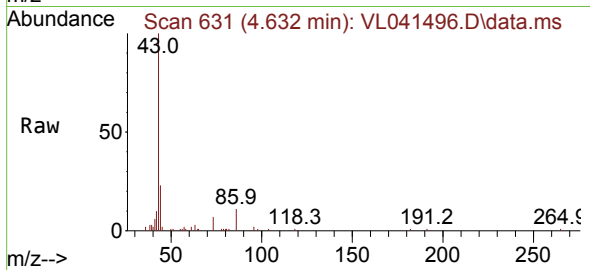
Tgt Ion: 96 Resp: 13512
 Ion Ratio Lower Upper
 96 100
 61 161.3 135.4 203.2
 98 59.8 51.0 76.4





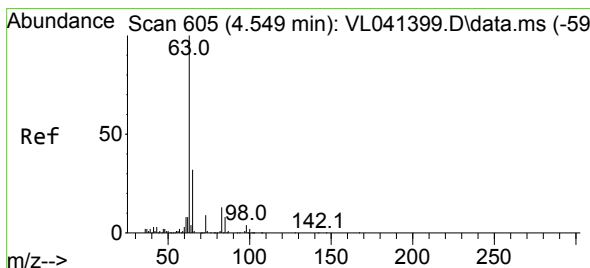
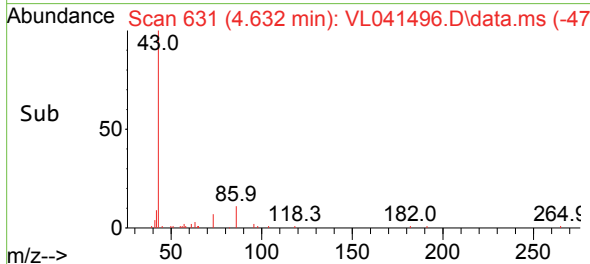
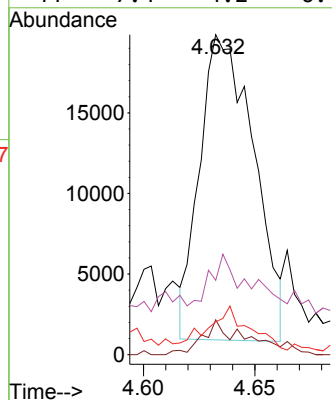
#23
 Vinyl Acetate
 Concen: 0.341 ppbv
 RT: 4.632 min Scan# 610
 Delta R.T. 0.007 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 31877

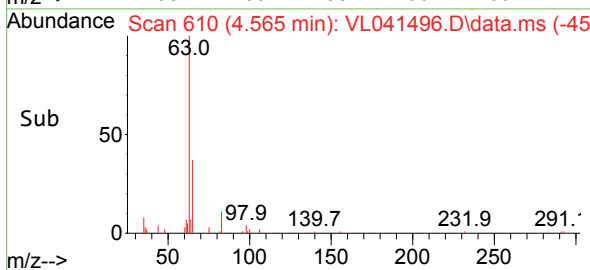
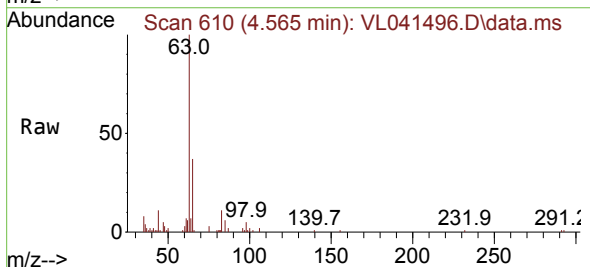
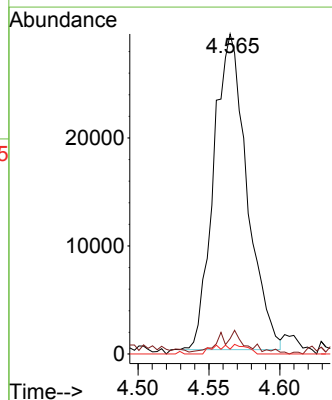
Ion	Ratio	Lower	Upper
43	100		
86	12.1	4.6	6.8#
42	10.2	7.9	11.9
44	7.4	4.2	6.4#

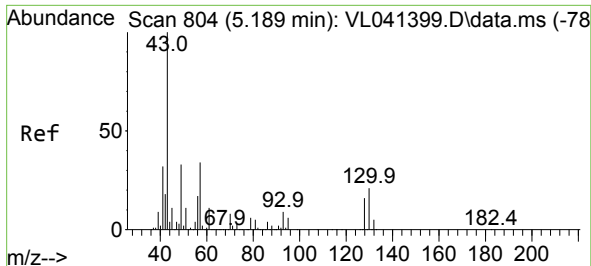


#24
 1,1-Dichloroethane
 Concen: 0.435 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Tgt Ion: 63 Resp: 47877

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	1.5	1.2	3.6

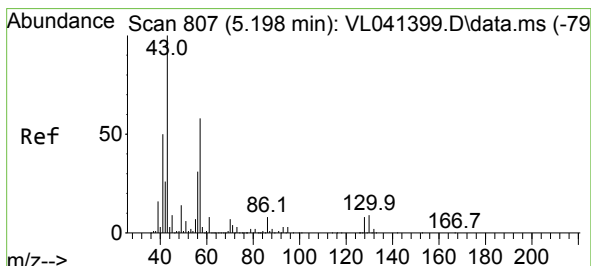
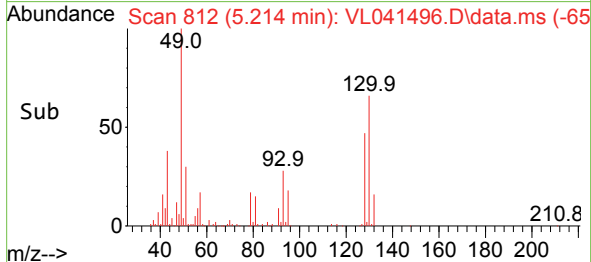
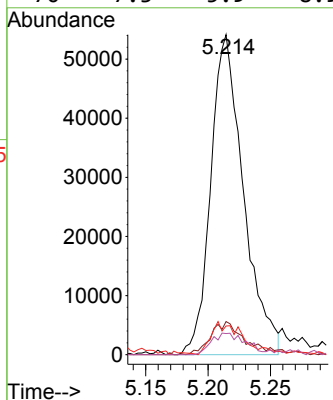
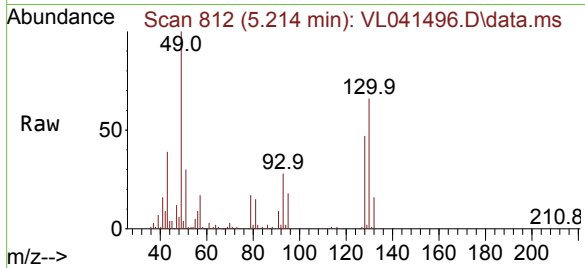




#25
Ethyl Acetate
Concen: 0.407 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

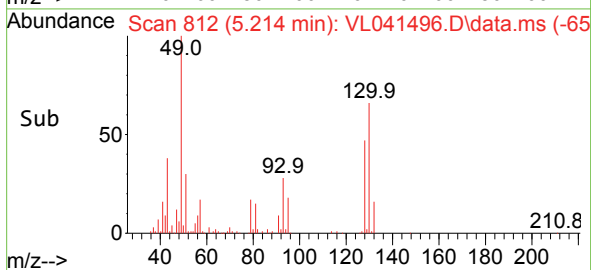
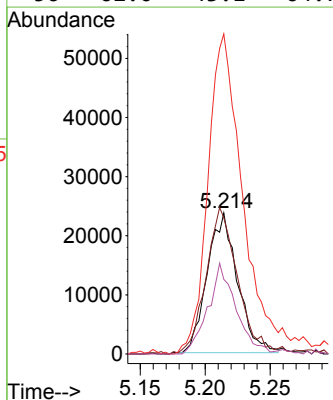
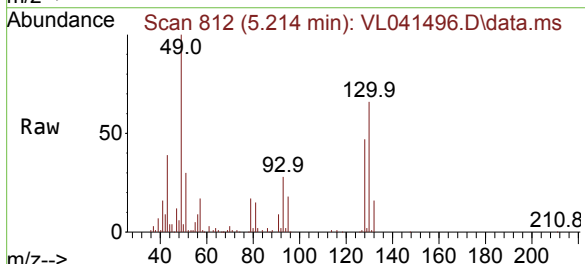
Instrument :
MSVOA_L
ClientSampleId :

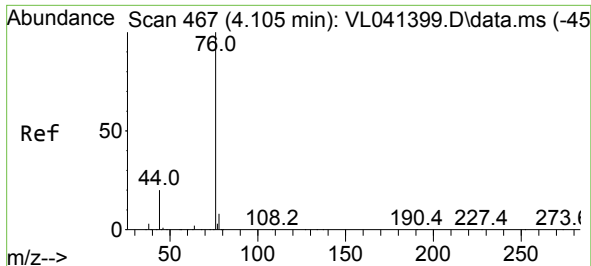
Tgt Ion: 43	Resp: 98865
Ion Ratio	Lower Upper
43 100	
45 11.4	8.5 12.7
61 9.4	8.0 12.0
70 7.3	5.9 8.9



#26
Hexane
Concen: 0.380 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 57	Resp: 38376
Ion Ratio	Lower Upper
57 100	
41 110.2	74.0 111.0
43 276.3	193.6 290.4
56 62.0	43.1 64.7





#27

Carbon Disulfide

Concen: 0.309 ppbv

RT: 4.128 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

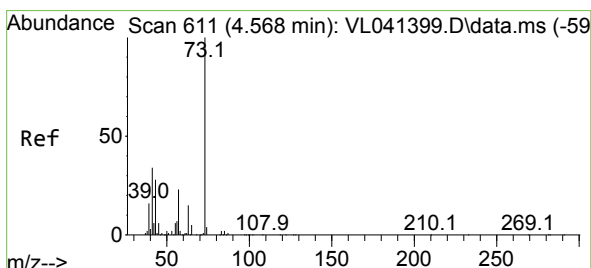
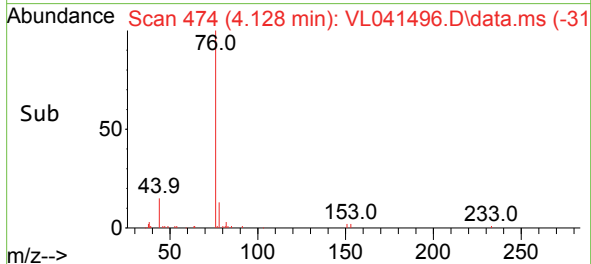
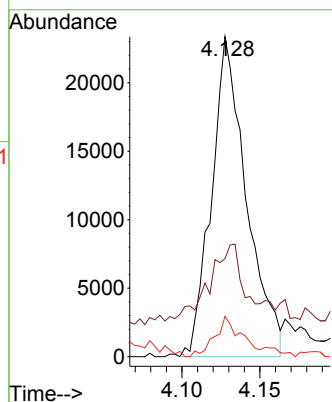
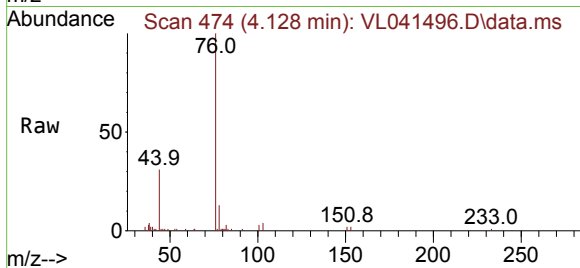
Tgt Ion: 76 Resp: 36484

Ion Ratio Lower Upper

76 100

44 32.4 15.6 23.4#

78 11.8 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.428 ppbv

RT: 4.603 min Scan# 622

Delta R.T. 0.023 min

Lab File: VL041496.D

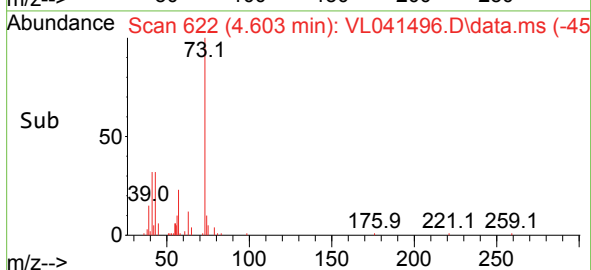
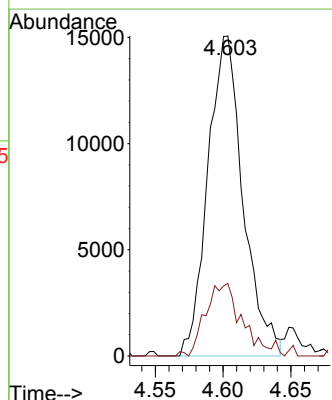
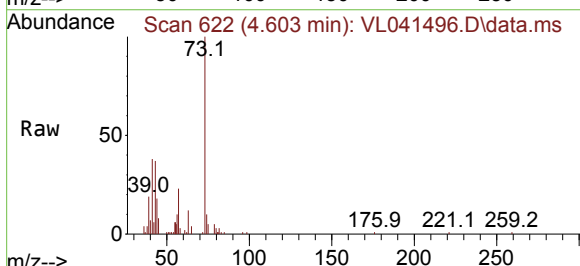
Acq: 5 Aug 2024 11:05

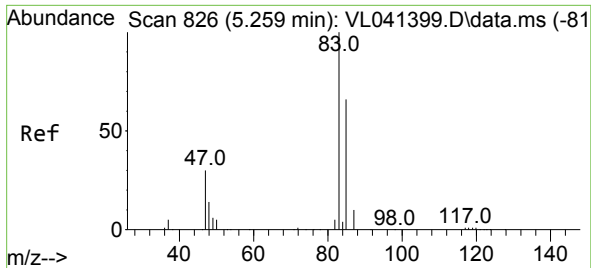
Tgt Ion: 73 Resp: 27246

Ion Ratio Lower Upper

73 100

57 24.4 18.9 28.3





#29

Chloroform

Concen: 0.452 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

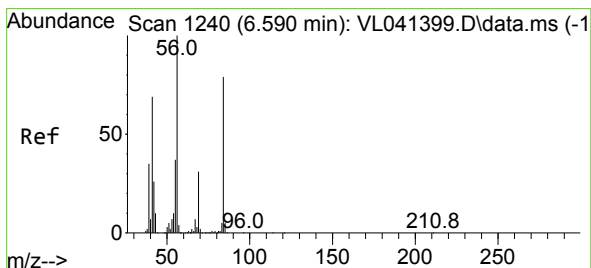
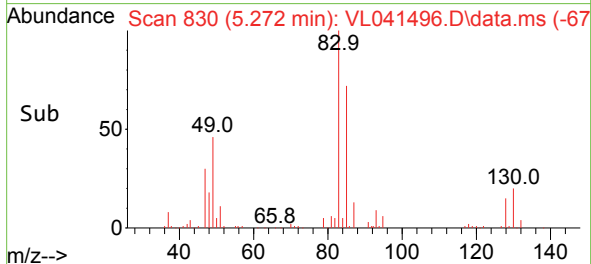
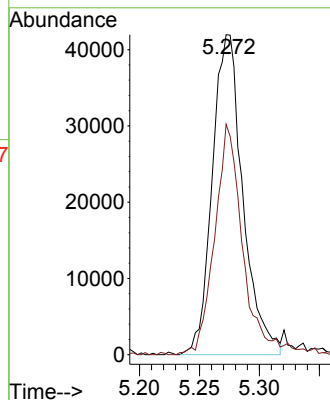
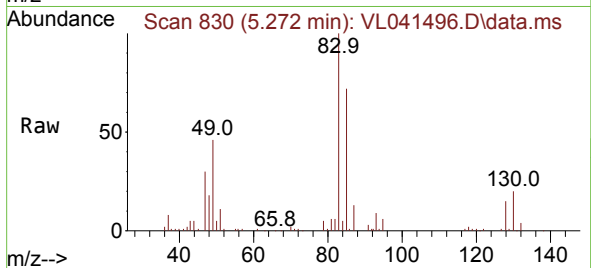
ClientSampleId :

Tgt Ion: 83 Resp: 74367

Ion Ratio Lower Upper

83 100

85 71.4 53.1 79.7



#30

Cyclohexane

Concen: 0.168 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.007 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

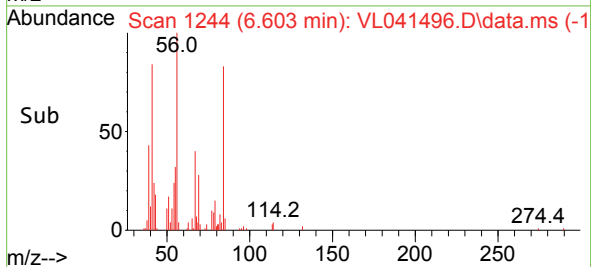
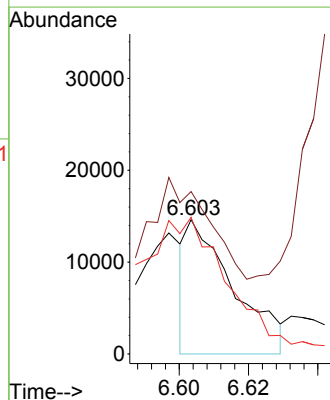
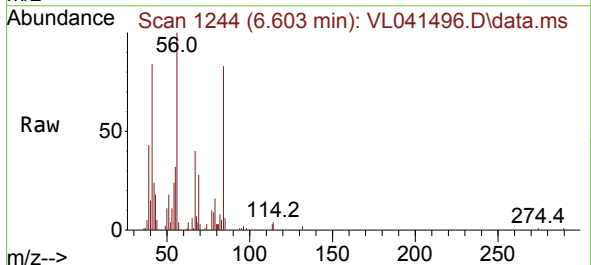
Tgt Ion: 84 Resp: 13836

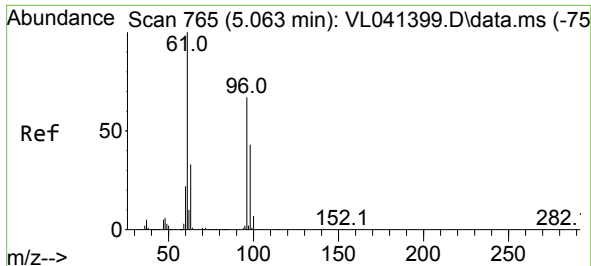
Ion Ratio Lower Upper

84 100

56 0.0 111.2 166.8#

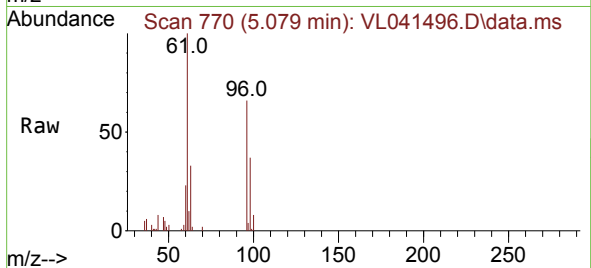
41 214.7 70.3 105.5#



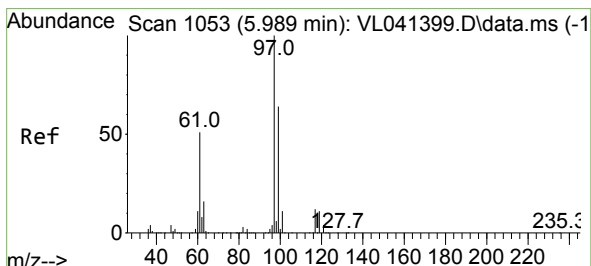
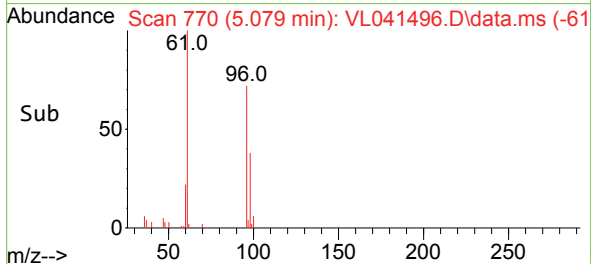
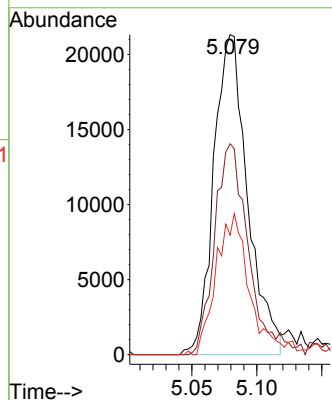


#31
 cis-1,2-Dichloroethene
 Concen: 0.386 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

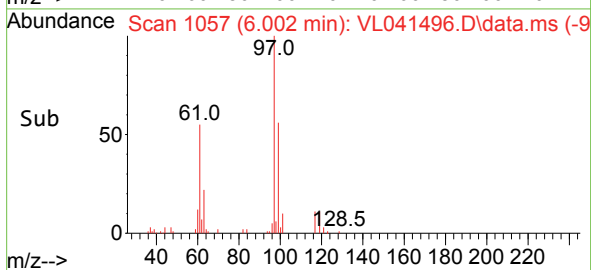
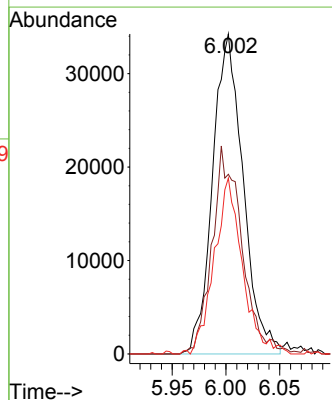
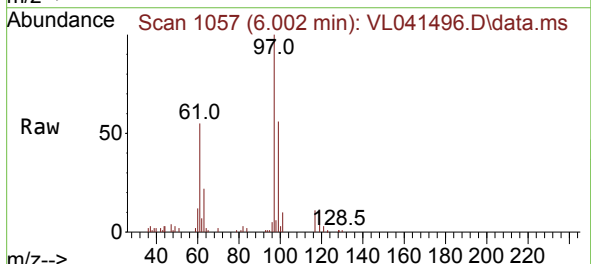


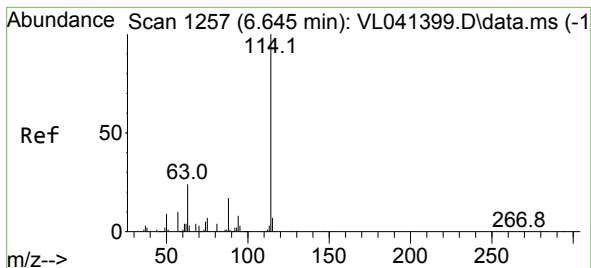
Tgt Ion: 61 Resp: 38456
 Ion Ratio Lower Upper
 61 100
 96 65.9 53.4 80.2
 98 37.4 34.4 51.6



#32
 1,1,1-Trichloroethane
 Concen: 0.422 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Tgt Ion: 97 Resp: 67525
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 51.2 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

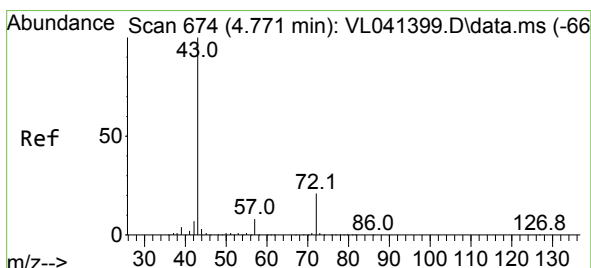
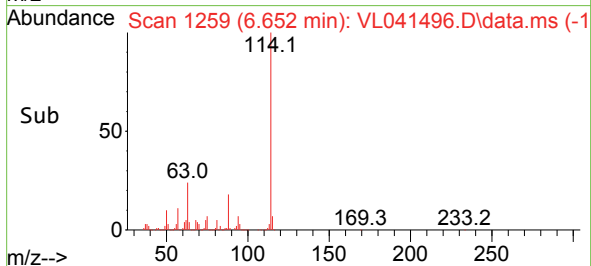
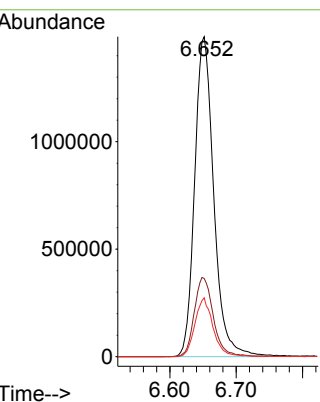
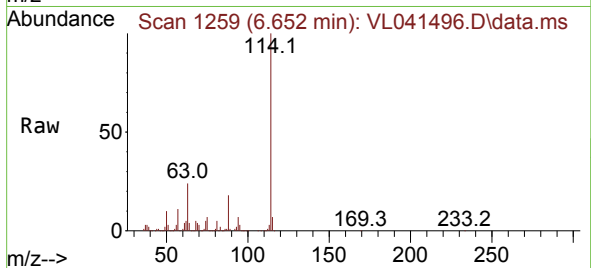
Tgt Ion:114 Resp: 2979247

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.7 14.3 21.5



#34

2-Butanone

Concen: 0.394 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.019 min

Lab File: VL041496.D

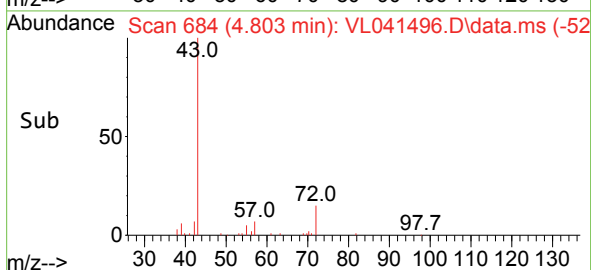
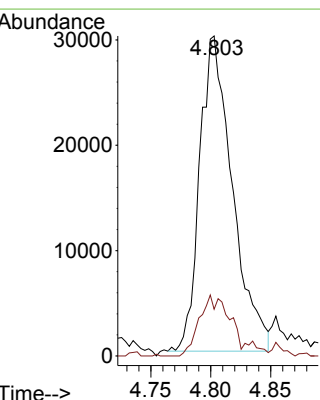
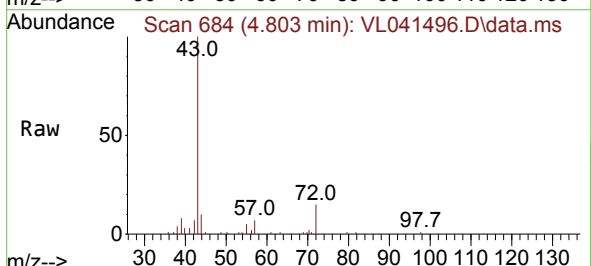
Acq: 5 Aug 2024 11:05

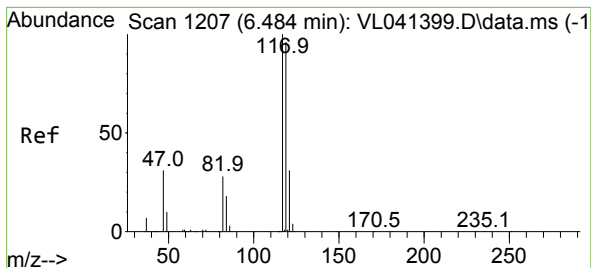
Tgt Ion: 43 Resp: 56732

Ion Ratio Lower Upper

43 100

72 21.3 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.407 ppbv

RT: 6.494 min Scan# 1171

Delta R.T. 0.003 min

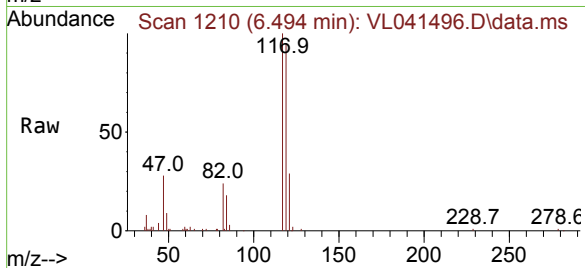
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :



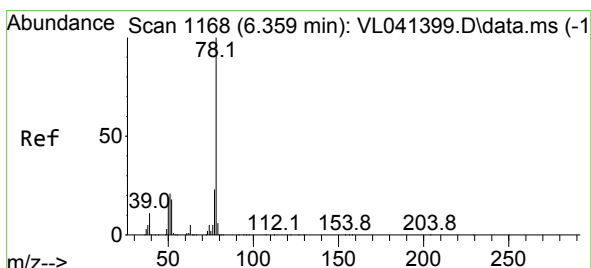
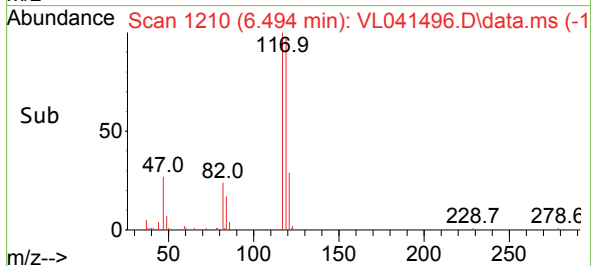
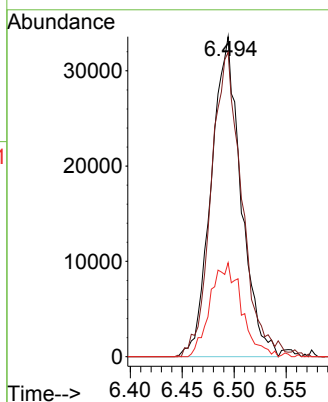
Tgt Ion:117 Resp: 66810

Ion Ratio Lower Upper

117 100

119 94.6 76.6 115.0

121 29.4 25.1 37.7



#36

Benzene

Concen: 0.383 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

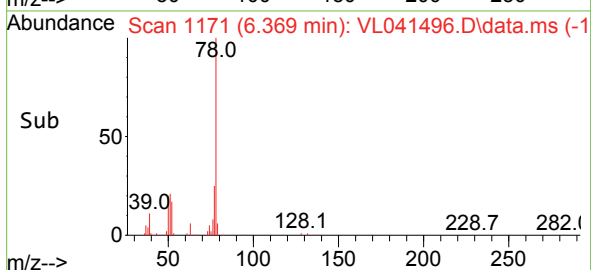
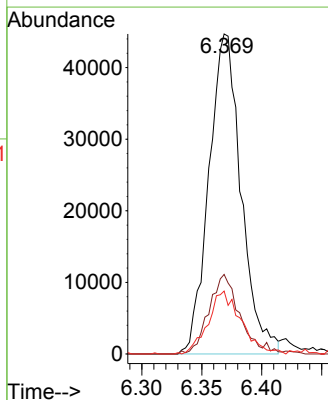
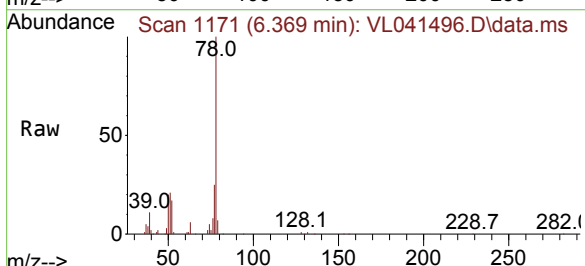
Tgt Ion: 78 Resp: 83481

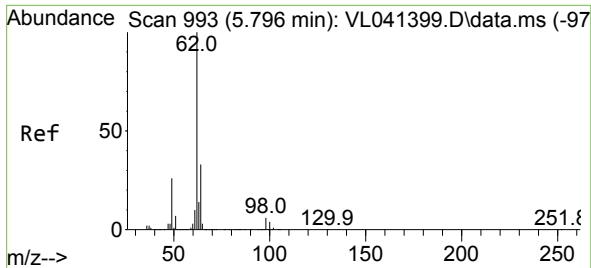
Ion Ratio Lower Upper

78 100

77 24.8 18.1 27.1

50 19.3 15.5 23.3

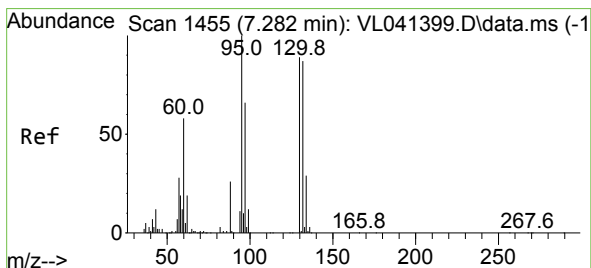
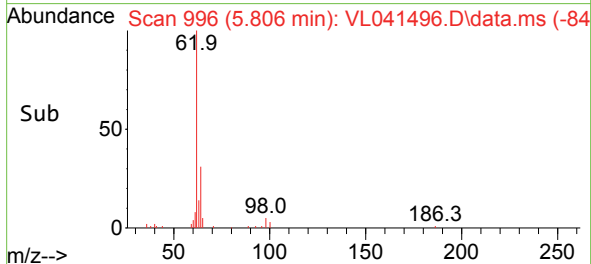
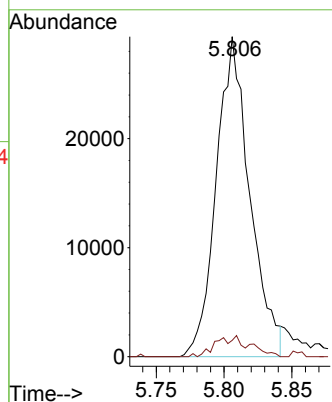
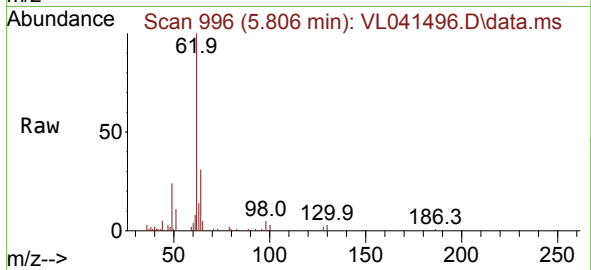




#37
1,2-Dichloroethane
Concen: 0.415 ppbv
RT: 5.806 min Scan# 996
Delta R.T. 0.000 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

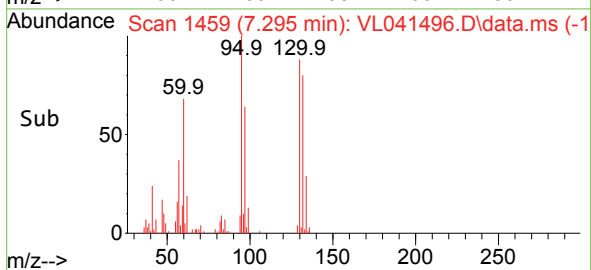
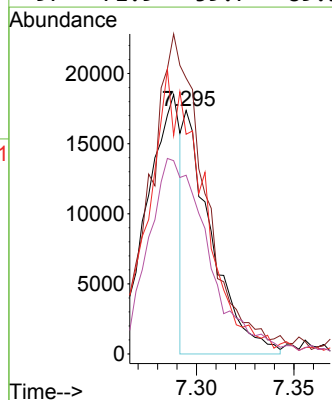
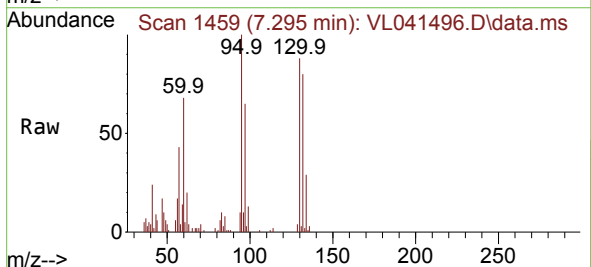
Instrument :
MSVOA_L
ClientSampleId :

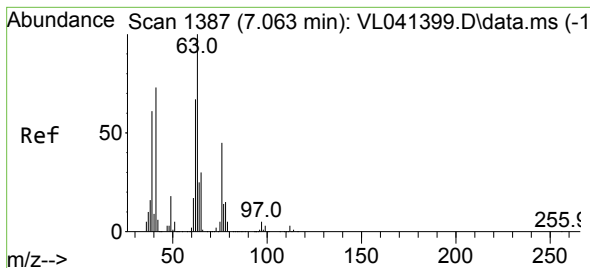
Tgt Ion: 62 Resp: 50533
Ion Ratio Lower Upper
62 100
98 6.6 5.0 7.4



#38
Trichloroethene
Concen: 0.173 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion:130 Resp: 17252
Ion Ratio Lower Upper
130 100
95 107.7 90.2 135.2
132 87.7 78.1 117.1
97 71.9 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.400 ppbv

RT: 7.070 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

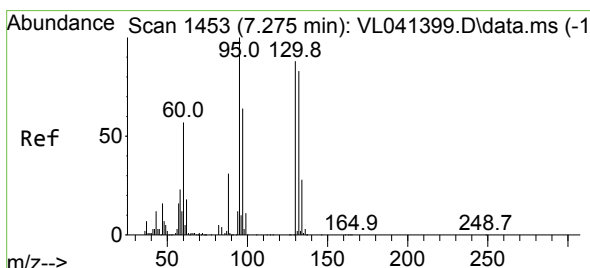
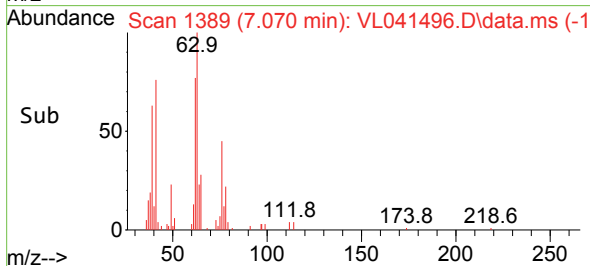
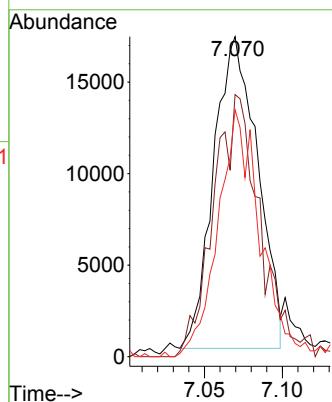
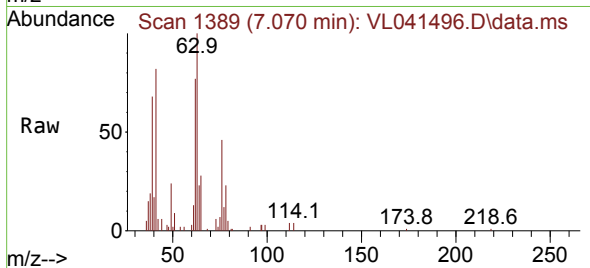
Tgt Ion: 63 Resp: 33371

Ion Ratio Lower Upper

63 100

41 82.3 58.3 87.5

62 78.2 53.9 80.9



#40

1,4-Dioxane

Concen: 0.010 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.013 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Tgt Ion: 88 Resp: 322

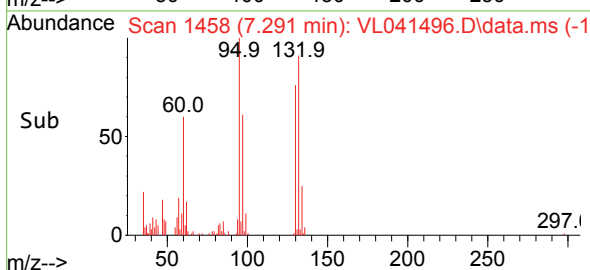
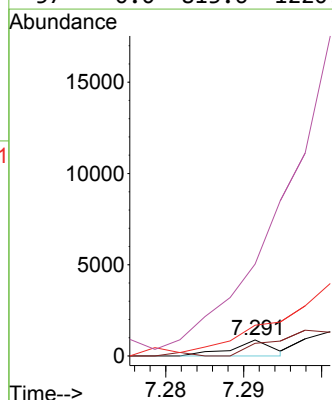
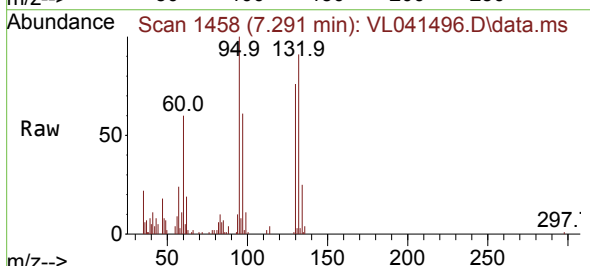
Ion Ratio Lower Upper

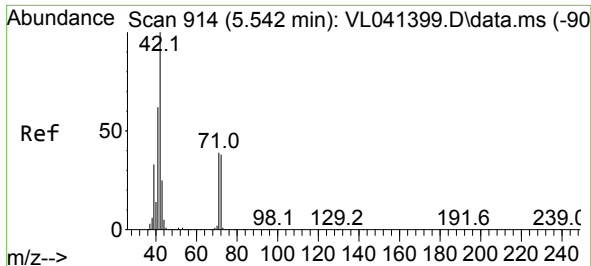
88 100

58 0.0 95.8 143.6#

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 0.322 ppbv

RT: 5.581 min Scan# 91

Delta R.T. 0.029 min

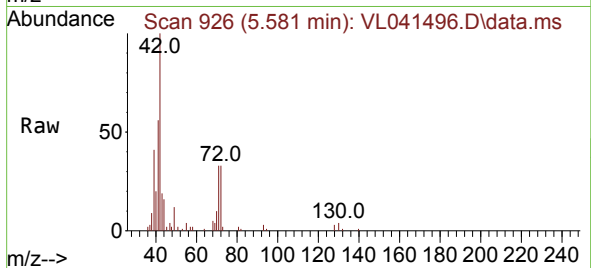
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

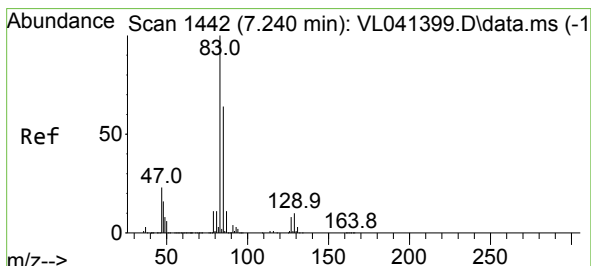
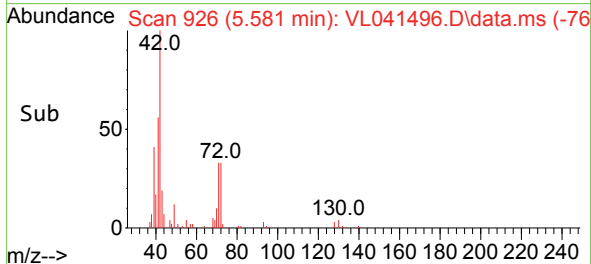
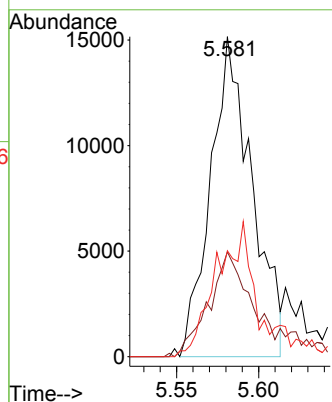
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	42	Resp:	26578
Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.2	46.8
71	44.1	30.5	45.7



#42

Bromodichloromethane

Concen: 0.386 ppbv

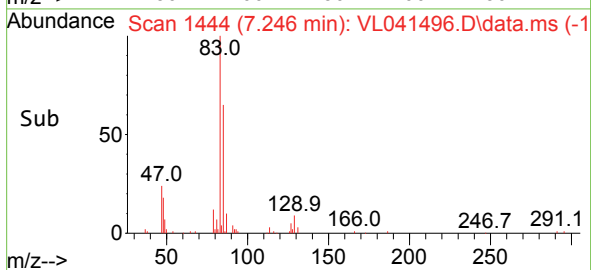
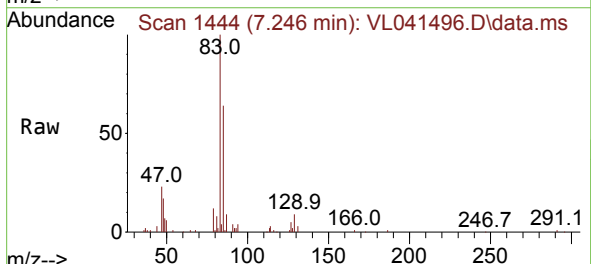
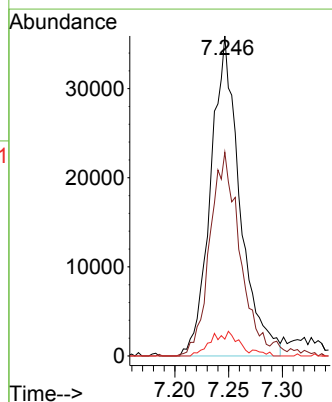
RT: 7.246 min Scan# 1444

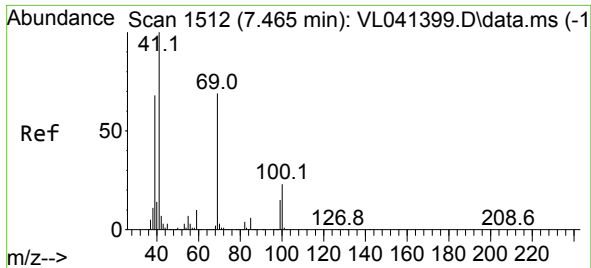
Delta R.T. 0.000 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Tgt Ion:	83	Resp:	67982
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.0
127	5.3	6.7	10.1

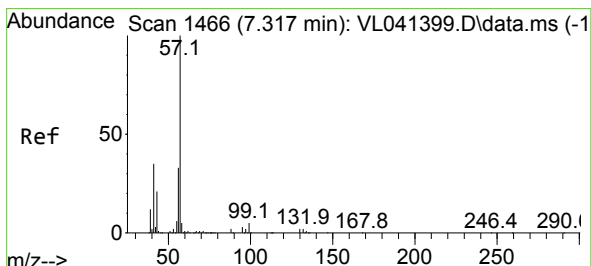
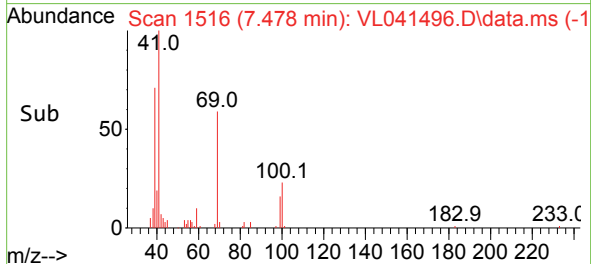
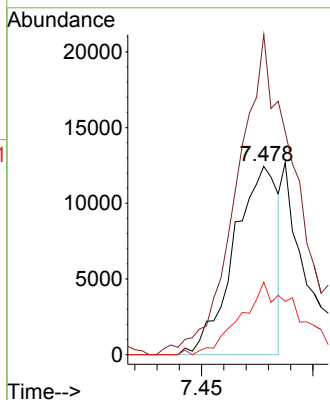
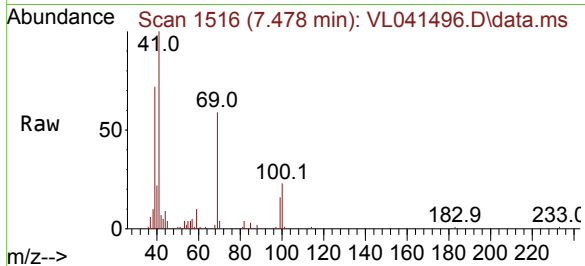




#43
Methyl Methacrylate
Concen: 0.218 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. 0.010 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

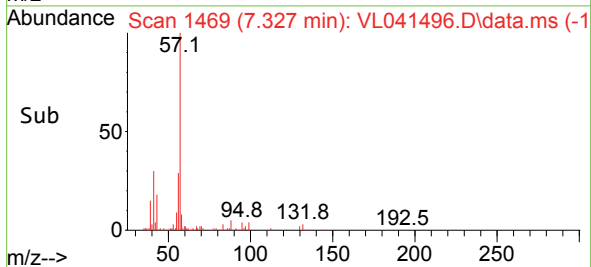
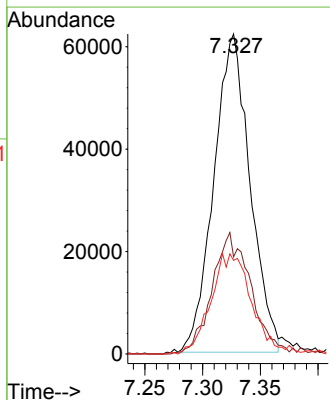
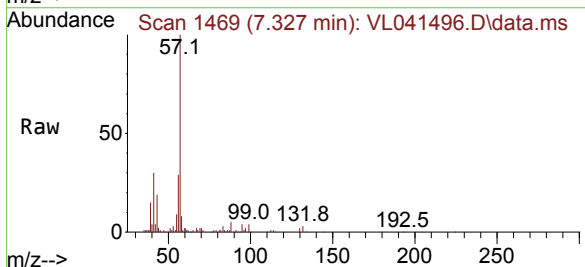
Instrument :
MSVOA_L
ClientSampleId :

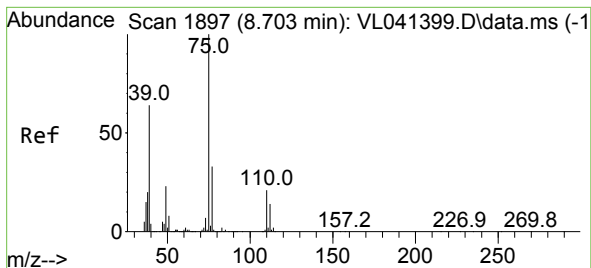
Tgt Ion: 69 Resp: 16981
Ion Ratio Lower Upper
69 100
41 242.9 118.7 178.1#
100 54.4 27.0 40.4#



#44
2,2,4-Trimethylpentane
Concen: 0.374 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 57 Resp: 135868
Ion Ratio Lower Upper
57 100
41 41.4 27.0 40.6#
56 35.9 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 0.097 ppbv

RT: 8.713 min Scan# 1897

Delta R.T. 0.007 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

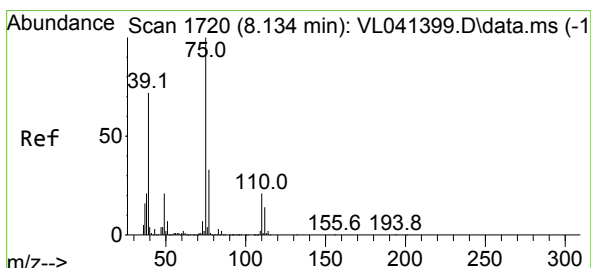
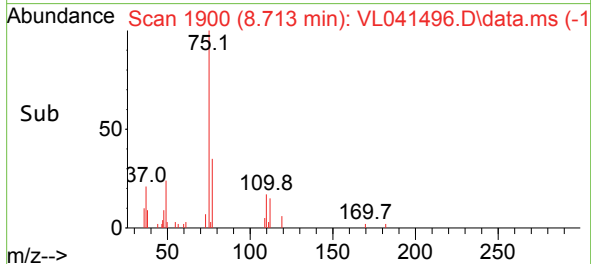
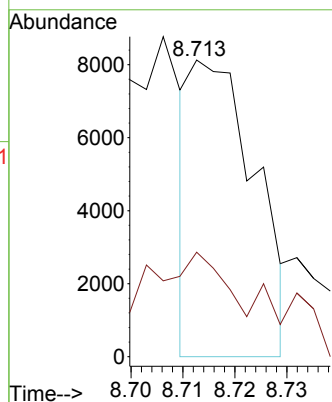
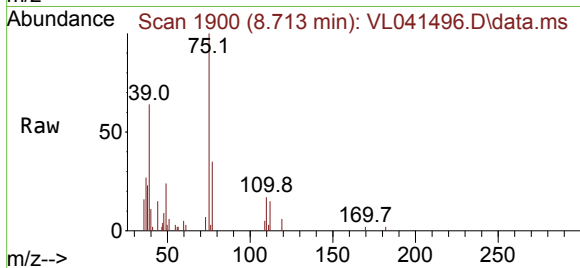
ClientSampleId :

Tgt Ion: 75 Resp: 6992

Ion Ratio Lower Upper

75 100

77 35.2 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 0.183 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

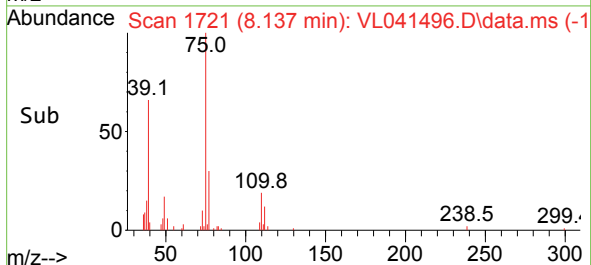
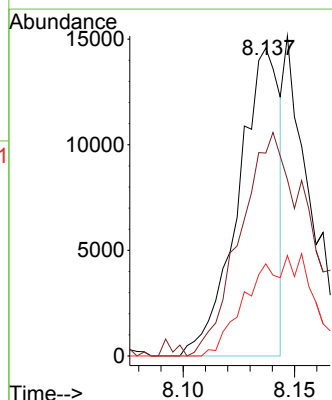
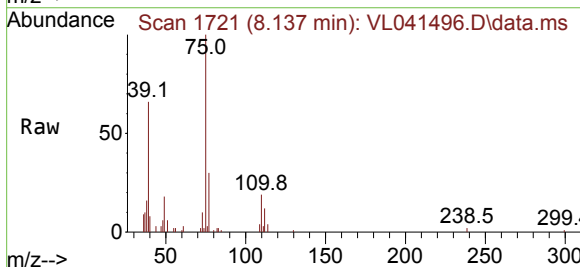
Tgt Ion: 75 Resp: 18940

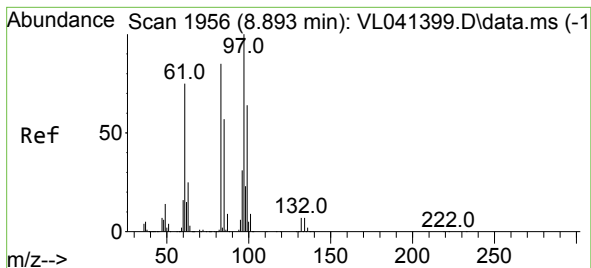
Ion Ratio Lower Upper

75 100

39 62.4 57.3 85.9

77 30.0 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 0.405 ppbv

RT: 8.896 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 37213

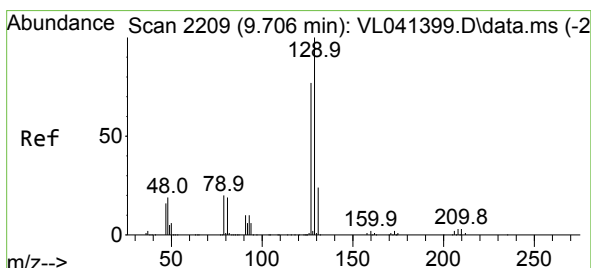
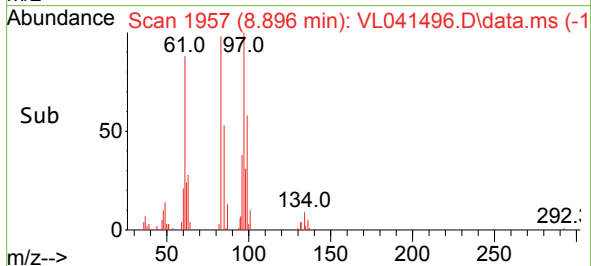
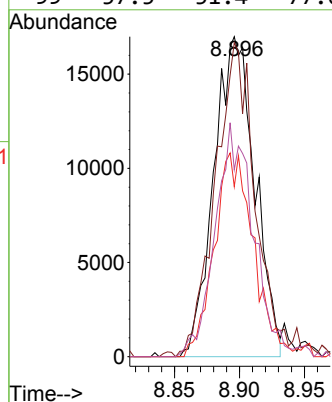
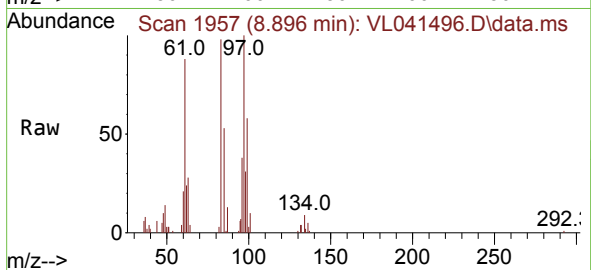
Ion Ratio Lower Upper

97 100

83 96.4 67.6 101.4

85 53.1 45.9 68.9

99 57.5 51.4 77.0



#48

Dibromochloromethane

Concen: 0.139 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. 0.007 min

Lab File: VL041496.D

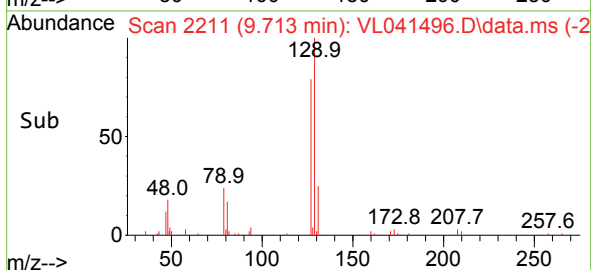
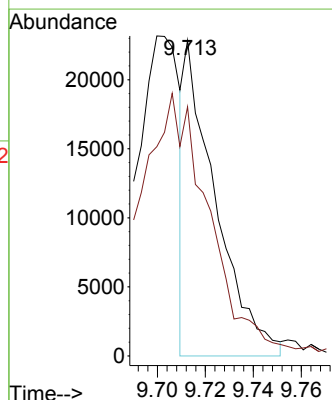
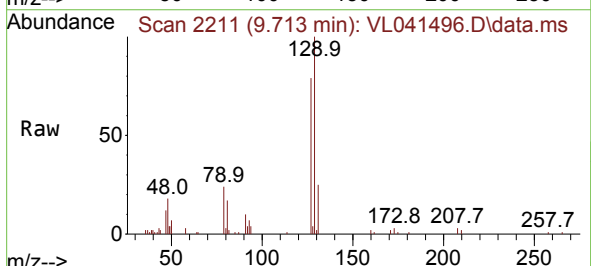
Acq: 5 Aug 2024 11:05

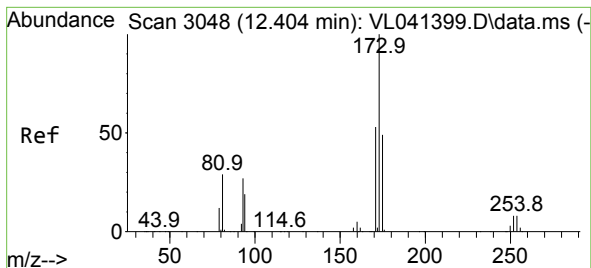
Tgt Ion: 129 Resp: 20581

Ion Ratio Lower Upper

129 100

127 198.4 39.3 117.8#





#49

Bromoform

Concen: 0.115 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. 0.010 min

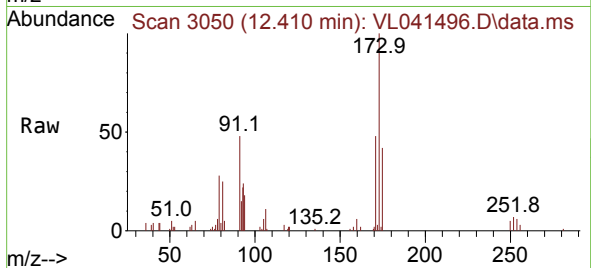
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

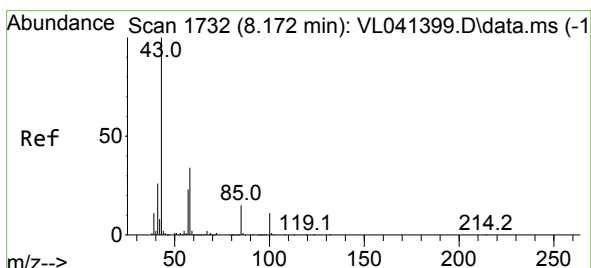
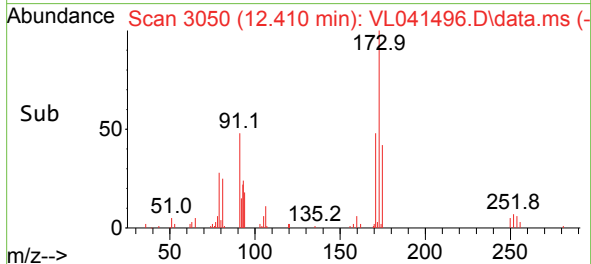
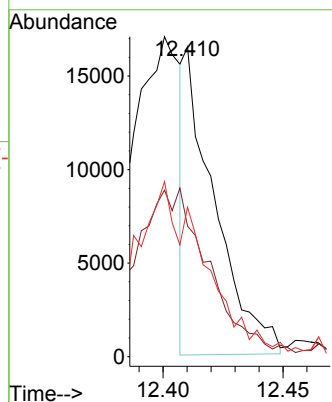
MSVOA_L

ClientSampleId :



Tgt Ion:173 Resp: 14420

Ion	Ratio	Lower	Upper
173	100		
175	139.0	39.9	59.9#
171	0.0	41.7	62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.339 ppbv

RT: 8.198 min Scan# 1740

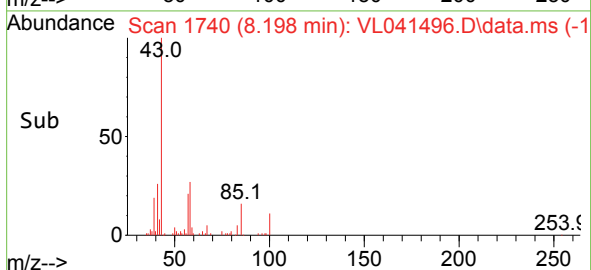
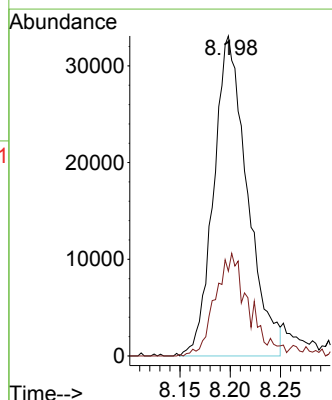
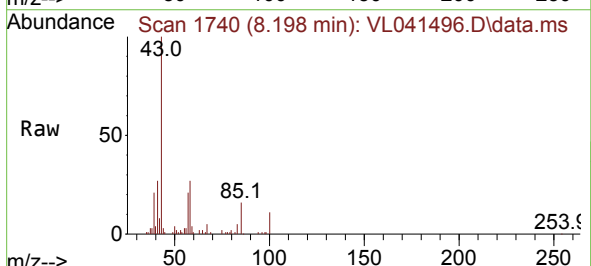
Delta R.T. 0.023 min

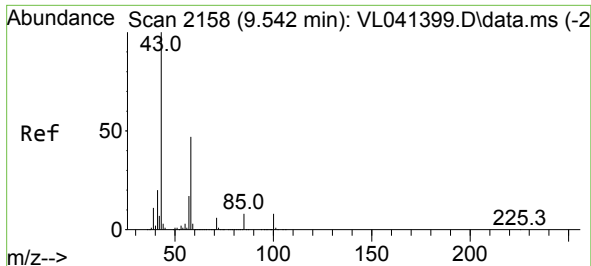
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Tgt Ion: 43 Resp: 77159

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.9	41.9

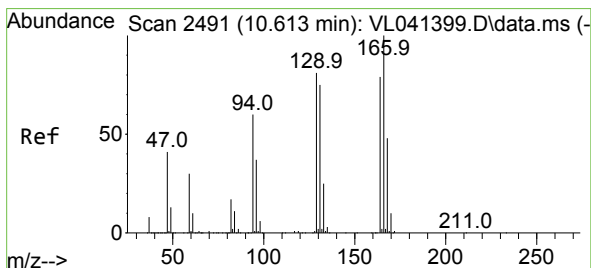
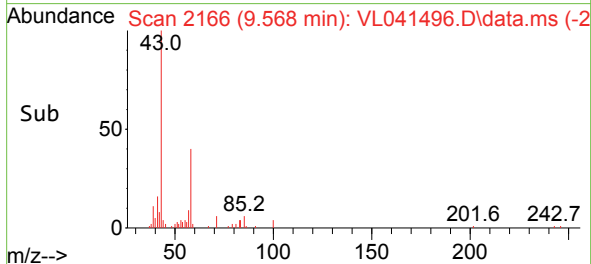
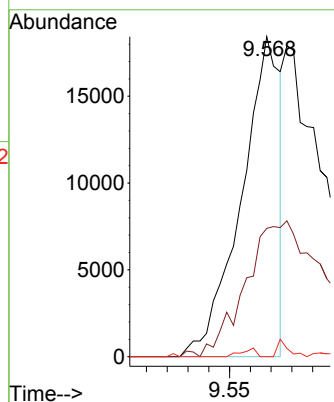
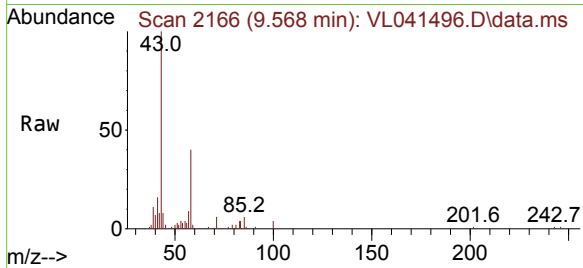




#51
2-Hexanone
Concen: 0.139 ppbv
RT: 9.568 min Scan# 2158
Delta R.T. 0.023 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

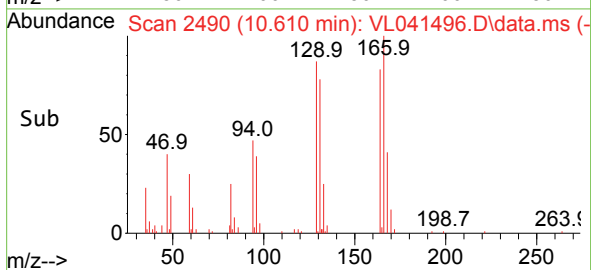
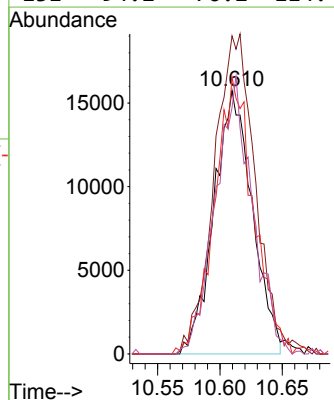
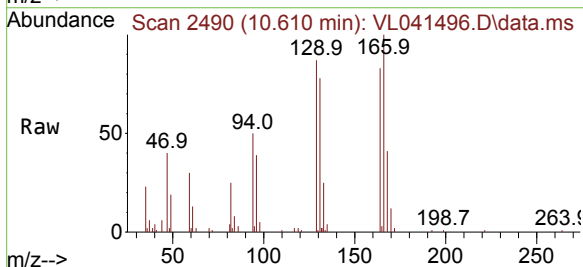
Instrument :
MSVOA_L
ClientSampleId :

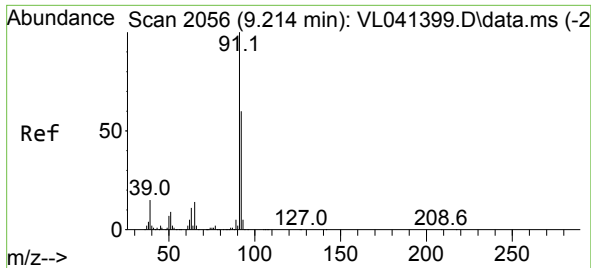
Tgt Ion: 43 Resp: 23868
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 0.1 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.400 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 164 Resp: 33686
Ion Ratio Lower Upper
164 100
166 119.8 101.1 151.7
129 105.4 81.7 122.5
131 94.2 76.2 114.4





#53

Toluene

Concen: 0.323 ppbv

RT: 9.221 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

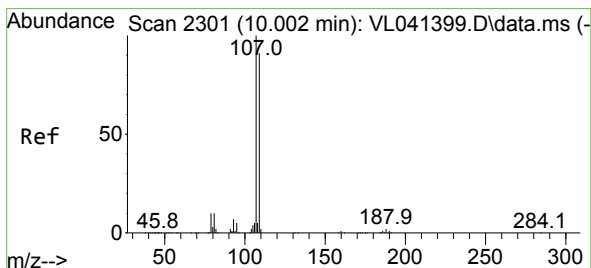
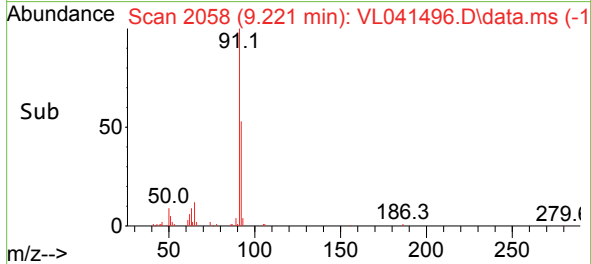
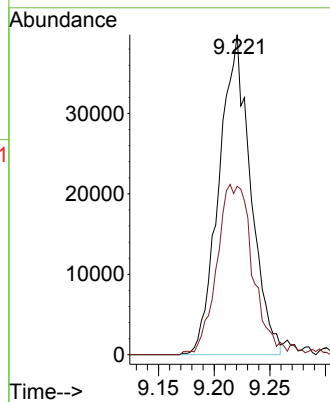
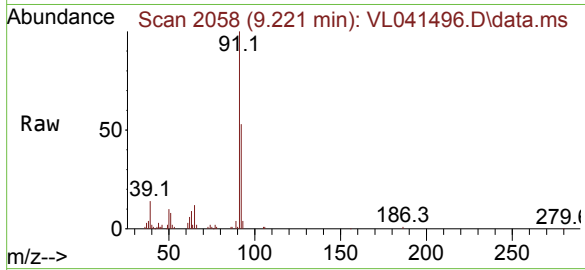
ClientSampleId :

Tgt Ion: 91 Resp: 78413

Ion Ratio Lower Upper

91 100

92 62.4 48.7 73.1



#54

1,2-Dibromoethane

Concen: 0.390 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VL041496.D

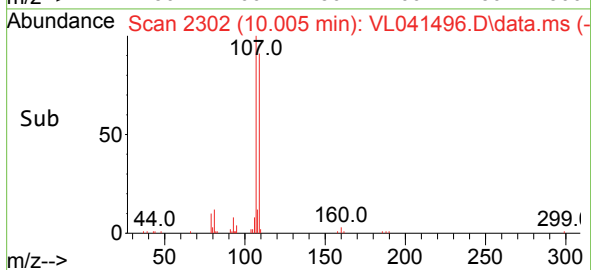
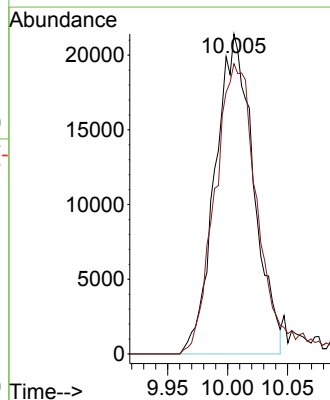
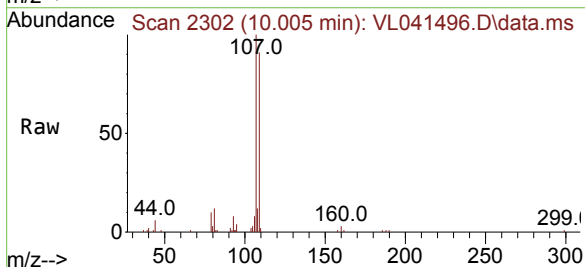
Acq: 5 Aug 2024 11:05

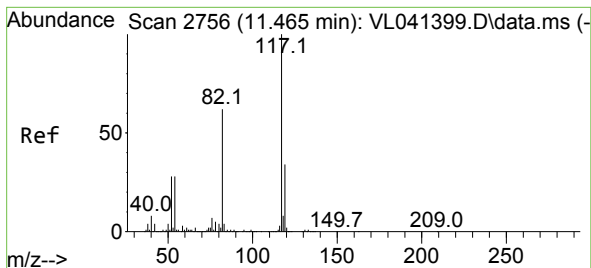
Tgt Ion: 107 Resp: 47660

Ion Ratio Lower Upper

107 100

109 90.7 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

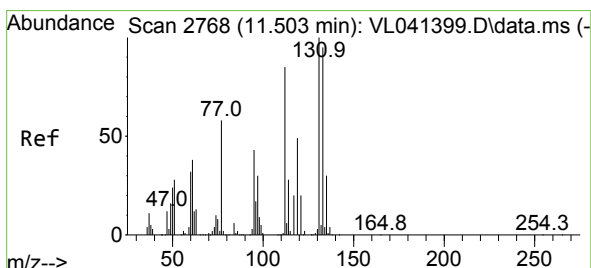
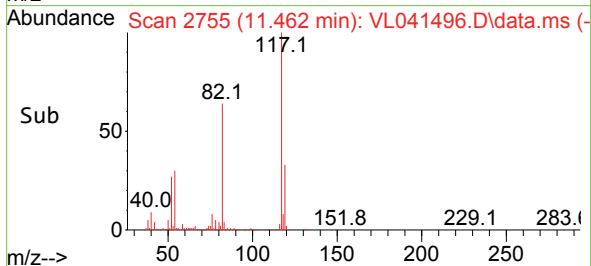
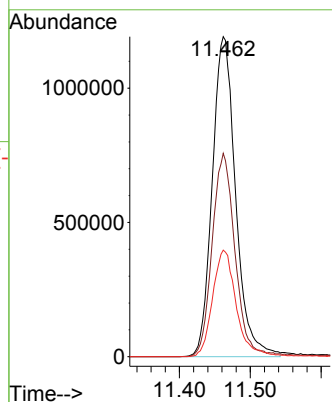
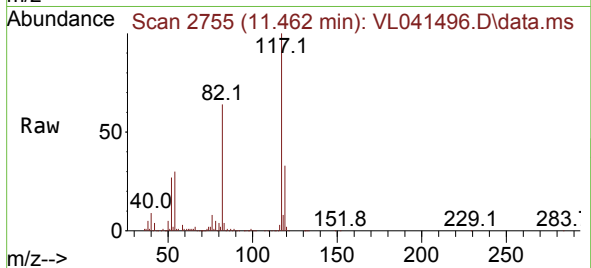
Tgt Ion:117 Resp: 2727370

Ion Ratio Lower Upper

117 100

82 63.4 51.0 76.6

119 33.9 45.2 67.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 0.139 ppbv

RT: 11.513 min Scan# 2771

Delta R.T. 0.010 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

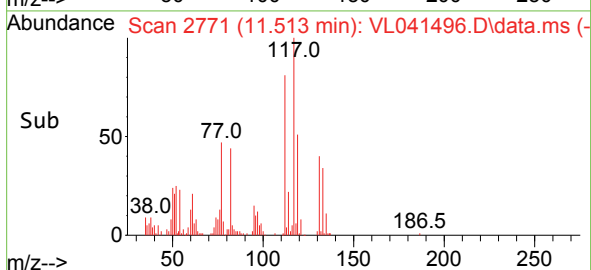
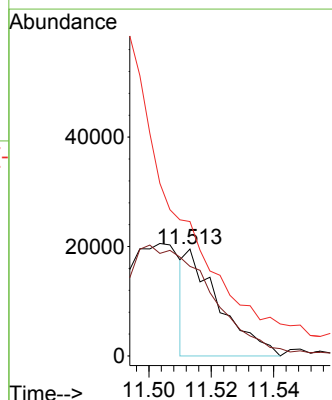
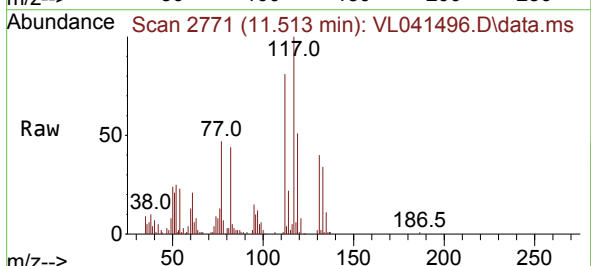
Tgt Ion:131 Resp: 14703

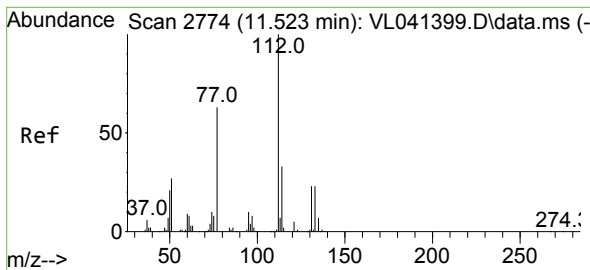
Ion Ratio Lower Upper

131 100

133 0.0 77.0 115.4#

119 0.0 121.5 182.3#





#57

Chlorobenzene

Concen: 0.442 ppbv

RT: 11.516 min Scan# 21

Delta R.T. -0.003 min

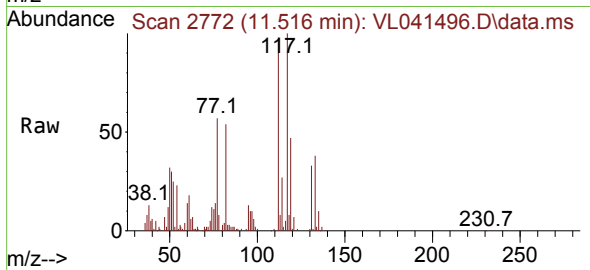
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :



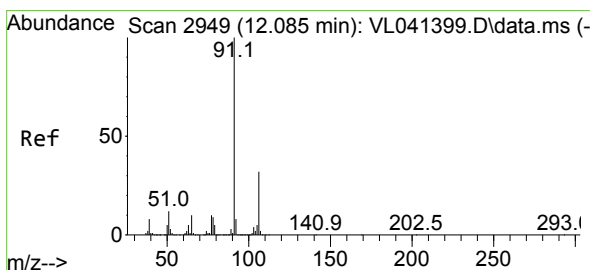
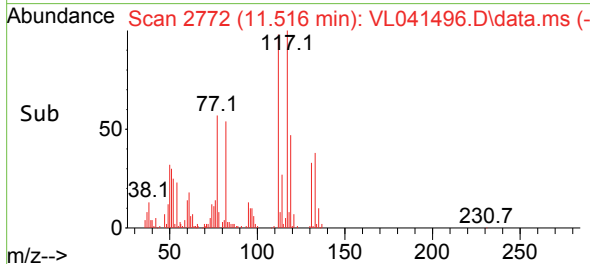
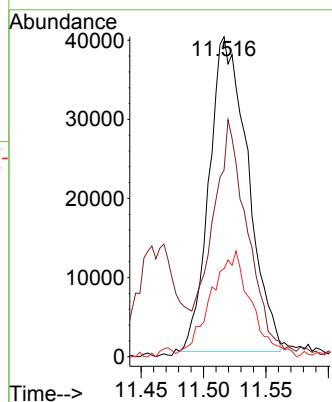
Tgt Ion:112 Resp: 85828

Ion Ratio Lower Upper

112 100

77 54.4 51.1 76.7

114 28.2 29.5 36.1#



#58

Ethyl Benzene

Concen: 0.350 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041496.D

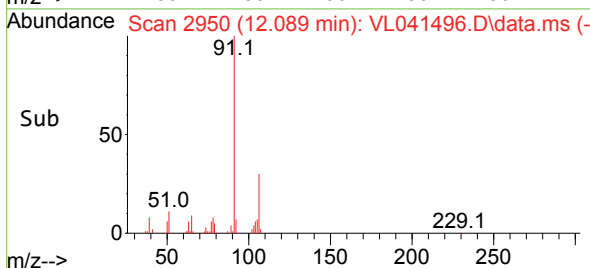
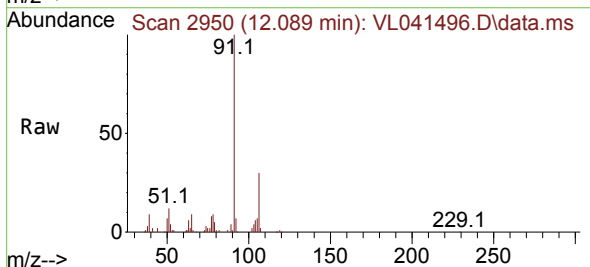
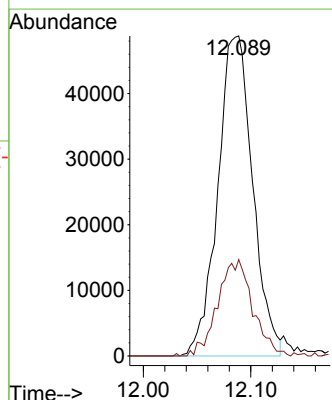
Acq: 5 Aug 2024 11:05

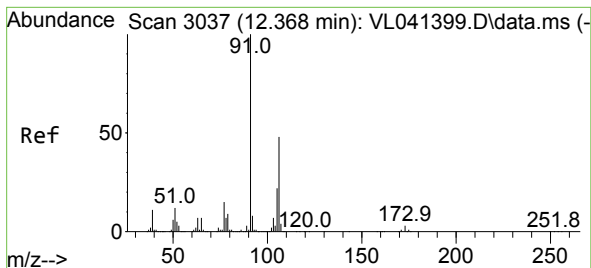
Tgt Ion: 91 Resp: 110006

Ion Ratio Lower Upper

91 100

106 30.1 25.8 38.8

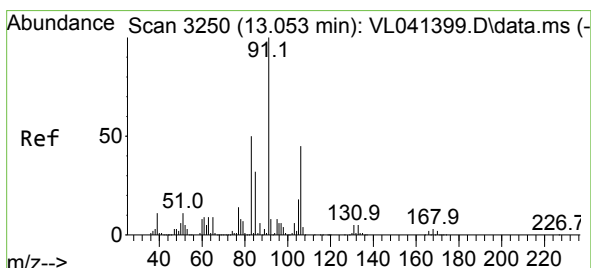
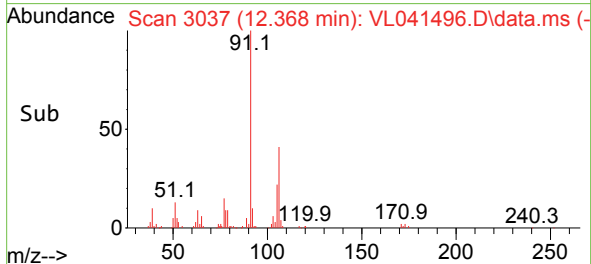
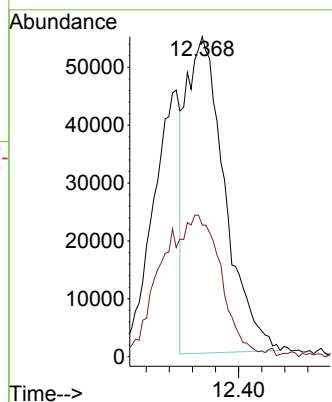
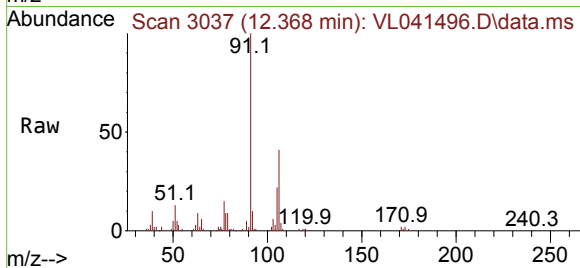




#59
m/p-Xylene
Concen: 0.468 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

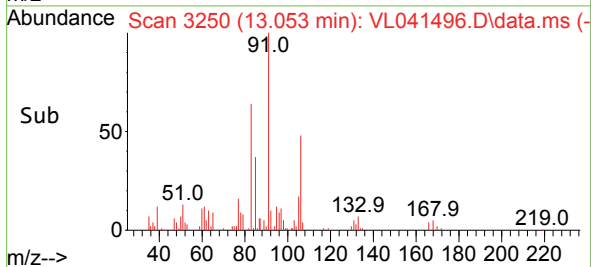
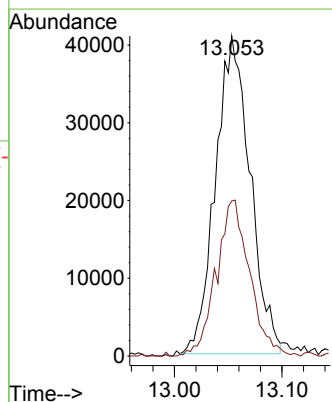
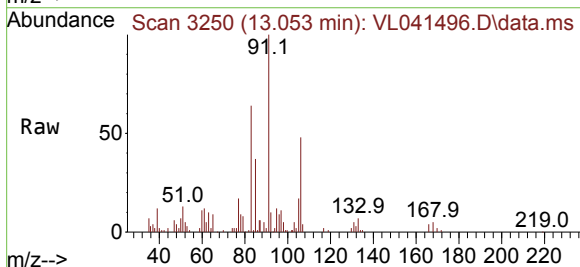
Instrument :
MSVOA_L
ClientSampleId :

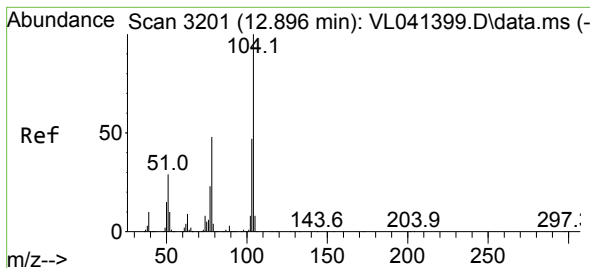
Tgt Ion: 91 Resp: 127022
Ion Ratio Lower Upper
91 100
106 70.7 36.3 54.5#



#60
o-Xylene
Concen: 0.356 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 91 Resp: 91506
Ion Ratio Lower Upper
91 100
106 48.0 23.1 69.3





#61

Styrene

Concen: 0.124 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.007 min

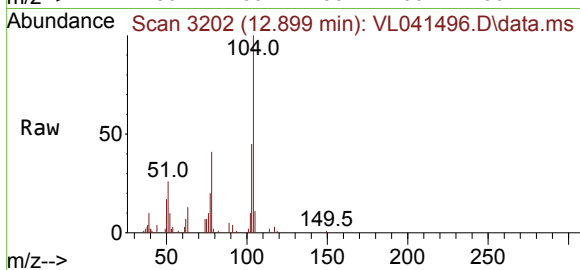
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :



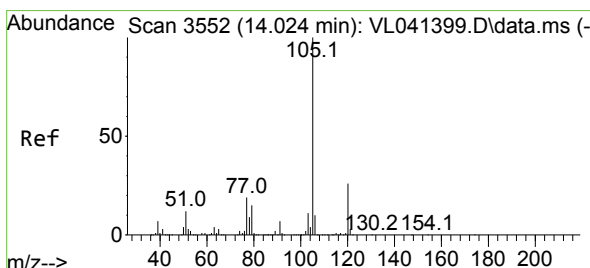
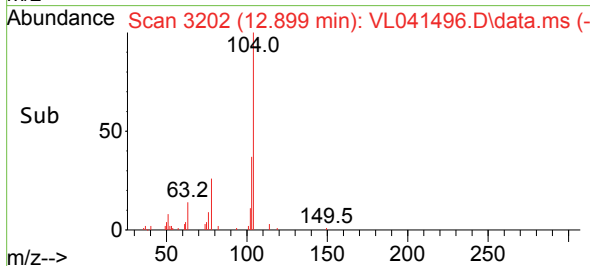
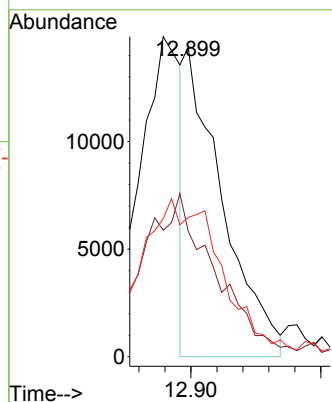
Tgt Ion:104 Resp: 14403

Ion Ratio Lower Upper

104 100

78 114.1 40.8 61.2#

103 119.6 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.202 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. 0.000 min

Lab File: VL041496.D

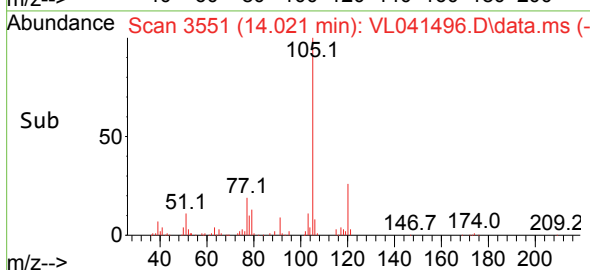
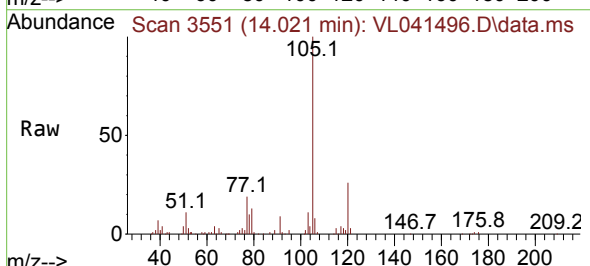
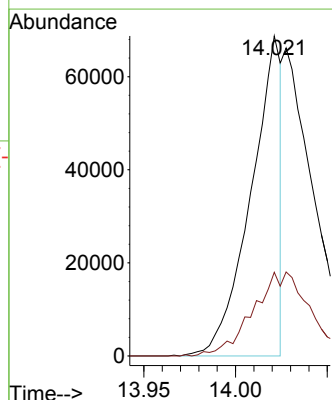
Acq: 5 Aug 2024 11:05

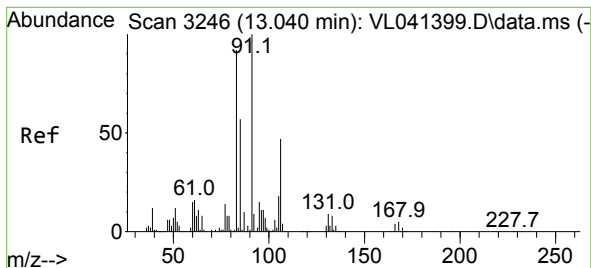
Tgt Ion:105 Resp: 78909

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#

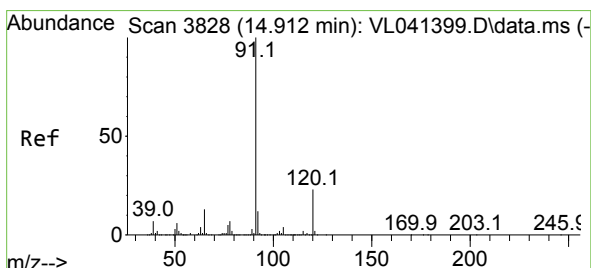
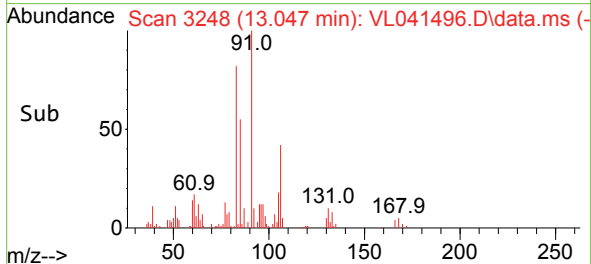
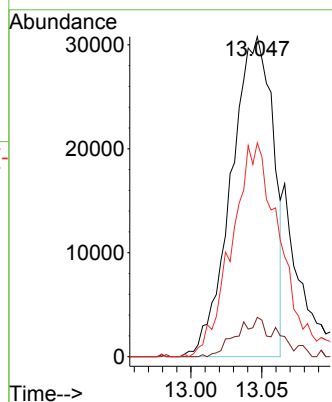
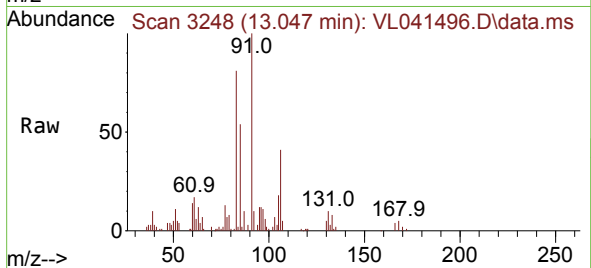




#63
1,1,2,2-Tetrachloroethane
Concen: 0.393 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

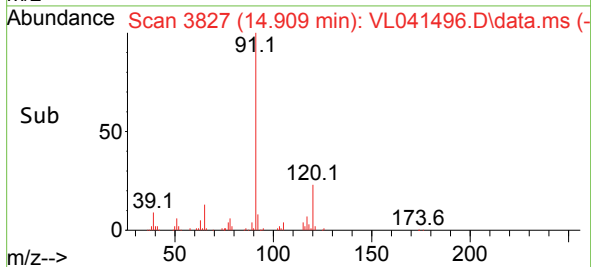
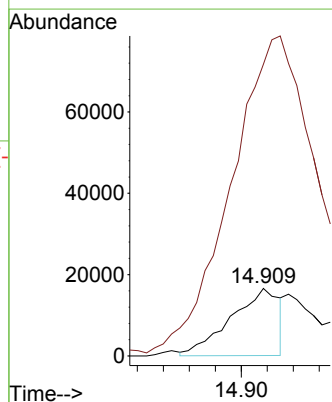
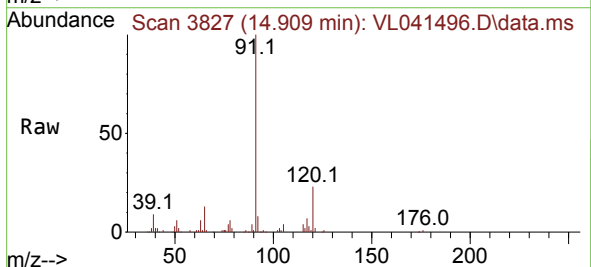
Instrument :
MSVOA_L
ClientSampleId :

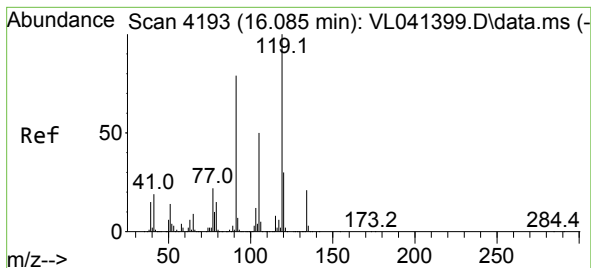
Tgt Ion: 83 Resp: 63769
Ion Ratio Lower Upper
83 100
131 12.3 4.8 14.4
85 80.9 32.6 98.0



#64
n-propylbenzene
Concen: 0.210 ppbv
RT: 14.909 min Scan# 3827
Delta R.T. -0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion:120 Resp: 21435
Ion Ratio Lower Upper
120 100
91 0.0 361.4 542.0#

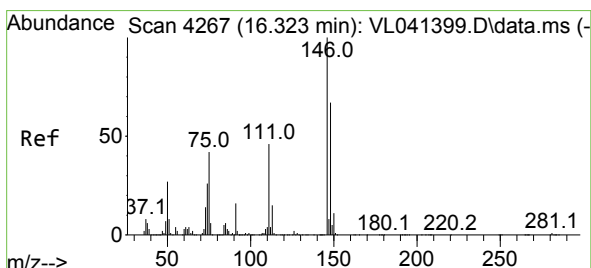
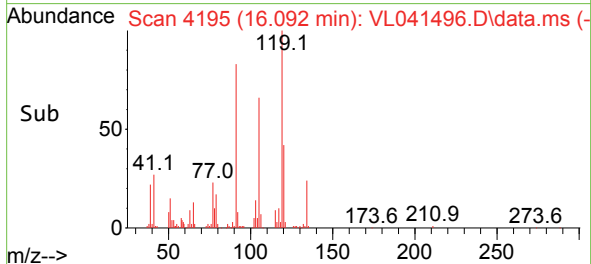
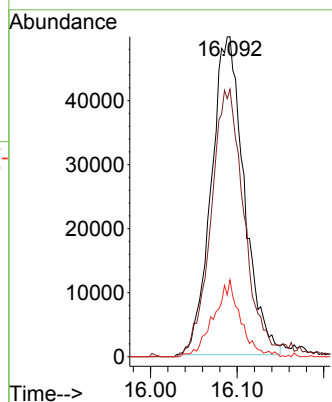
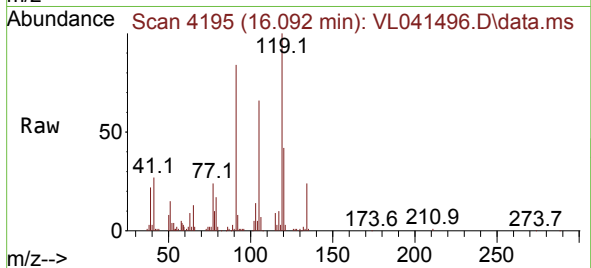




#65
tert-Butylbenzene
Concen: 0.372 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. 0.010 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

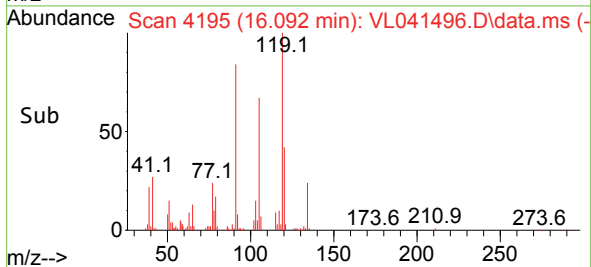
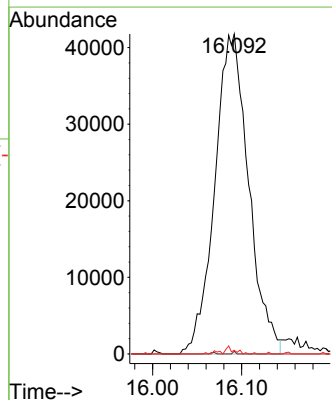
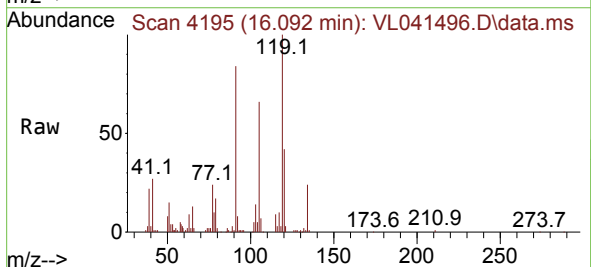
Instrument :
MSVOA_L
ClientSampleId :

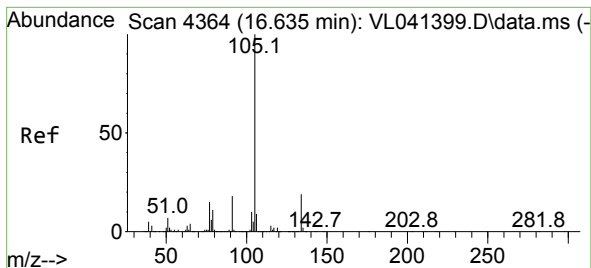
Tgt Ion:119 Resp: 131089
Ion Ratio Lower Upper
119 100
91 88.0 64.2 96.2
134 19.9 15.7 23.5



#66
Benzyl Chloride
Concen: 4.880 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. -0.228 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion: 91 Resp: 110326
Ion Ratio Lower Upper
91 100
126 0.1 13.8 20.8#
128 0.8 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.381 ppbv

RT: 16.632 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

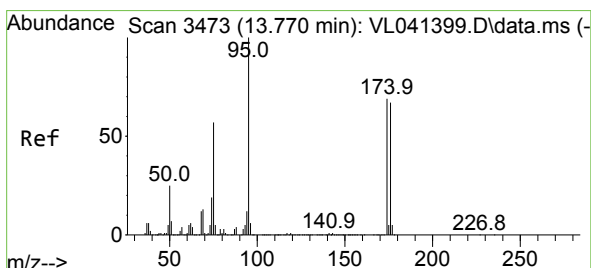
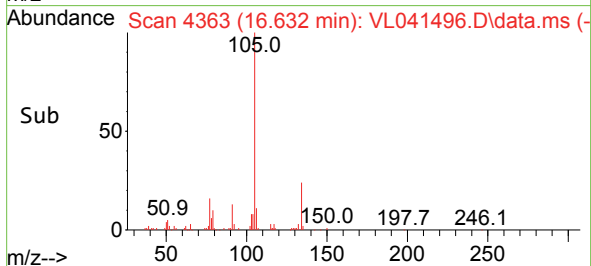
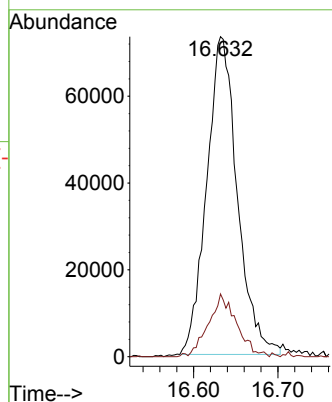
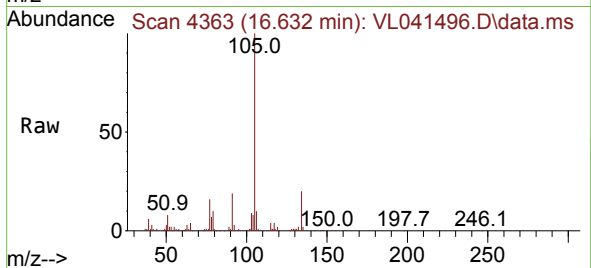
ClientSampleId :

Tgt Ion:105 Resp: 184979

Ion Ratio Lower Upper

105 100

134 18.3 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.169 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

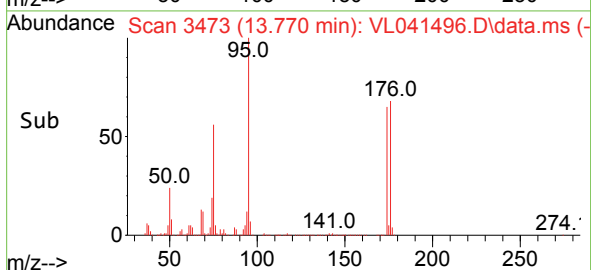
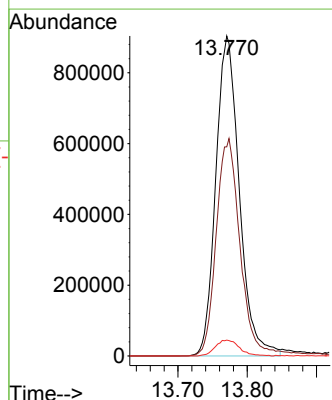
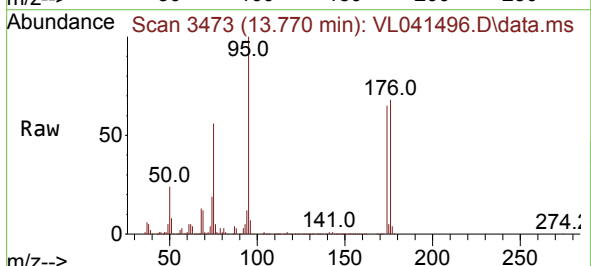
Tgt Ion: 95 Resp: 2134379

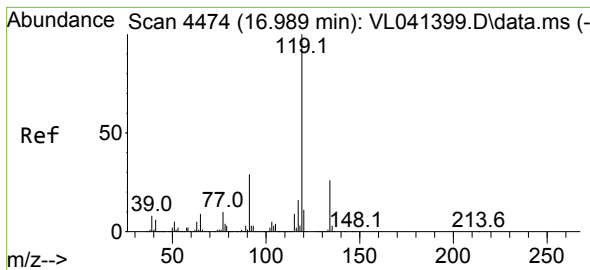
Ion Ratio Lower Upper

95 100

174 70.7 56.3 84.5

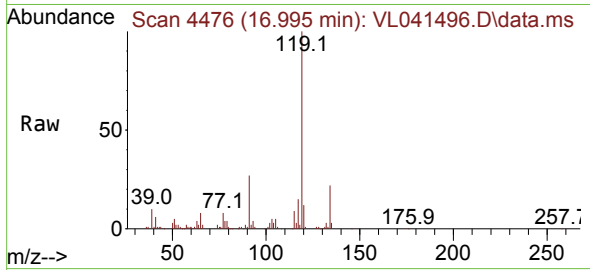
175 5.2 4.0 6.0



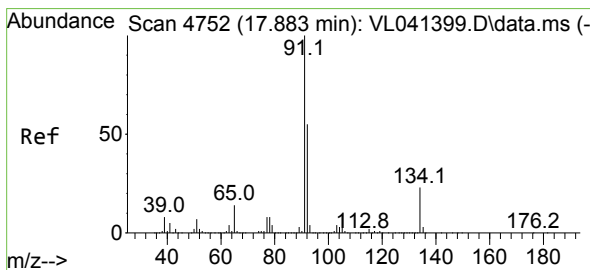
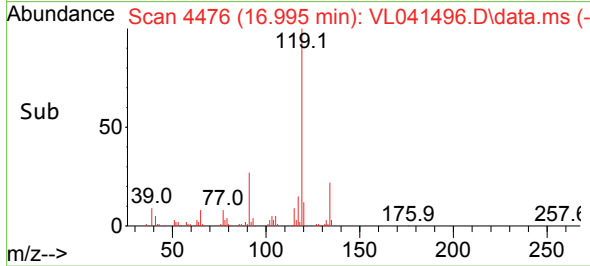
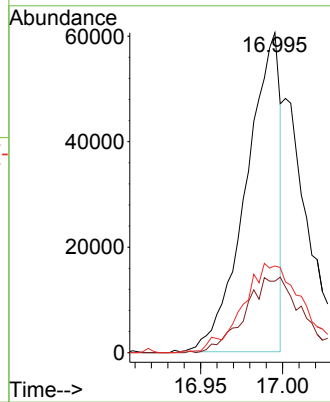


#69
 p-Isopropyltoluene
 Concen: 0.215 ppbv
 RT: 16.995 min Scan# 4476
 Delta R.T. 0.007 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

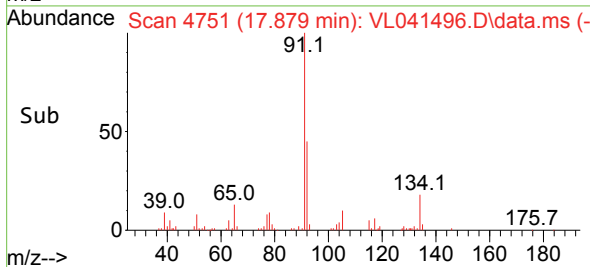
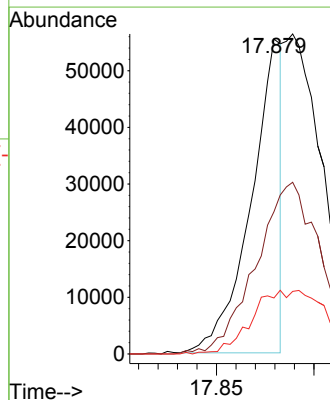
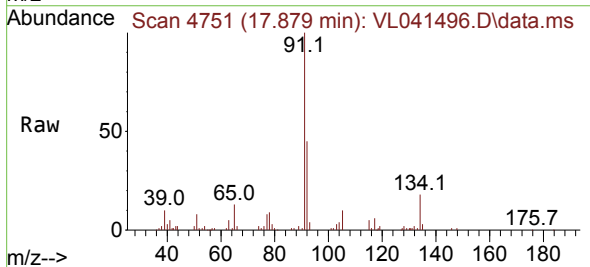


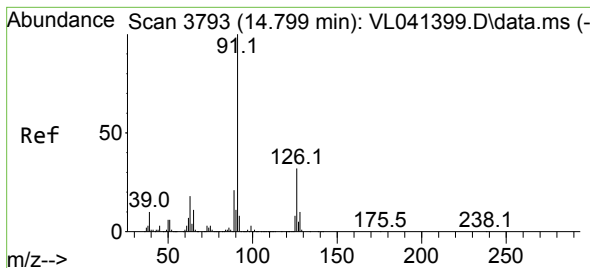
Tgt Ion:119 Resp: 86559
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.5 30.7#
 91 53.1 23.2 34.8#



#70
 n-Butylbenzene
 Concen: 0.147 ppbv
 RT: 17.879 min Scan# 4751
 Delta R.T. 0.000 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Tgt Ion: 91 Resp: 60568
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.2 64.8#
 134 53.8 18.5 27.7#

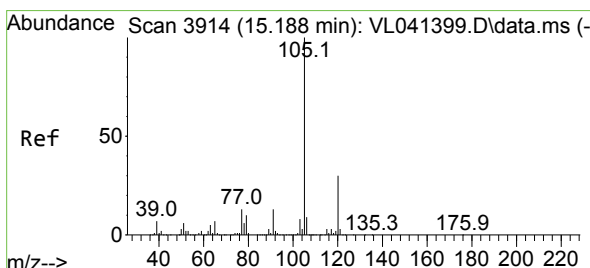
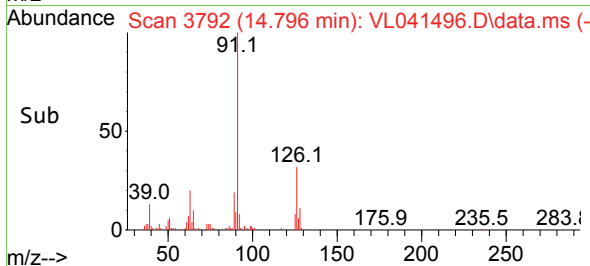
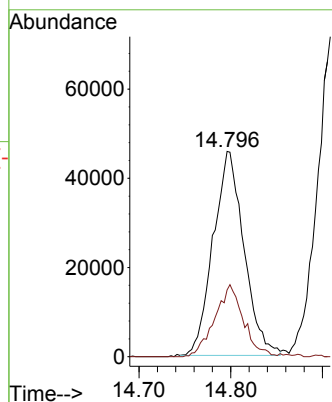
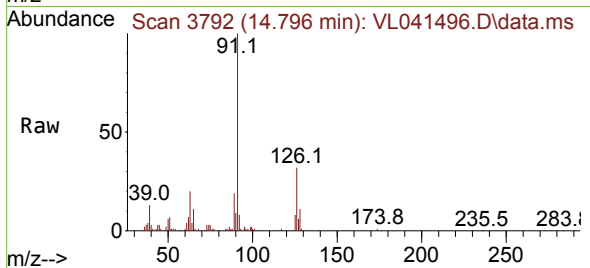




#71
2-Chlorotoluene
Concen: 0.371 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

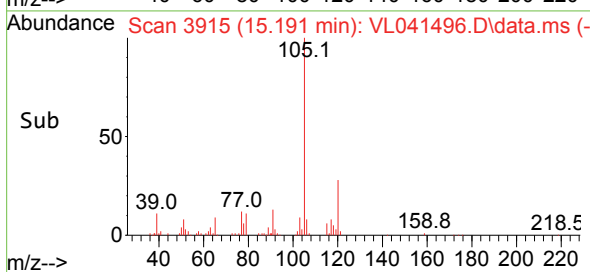
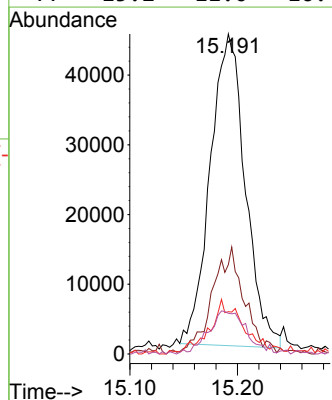
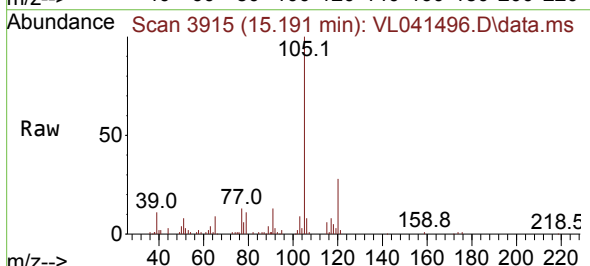
Instrument :
MSVOA_L
ClientSampleId :

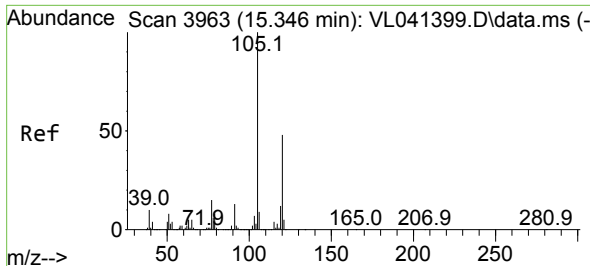
Tgt Ion: 91 Resp: 106763
Ion Ratio Lower Upper
91 100
126 33.7 12.7 50.9



#72
4-Ethyltoluene
Concen: 0.335 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.003 min
Lab File: VL041496.D
Acq: 5 Aug 2024 11:05

Tgt Ion:105 Resp: 101203
Ion Ratio Lower Upper
105 100
120 32.6 24.2 36.2
91 17.3 10.4 15.6#
77 15.2 11.0 16.4

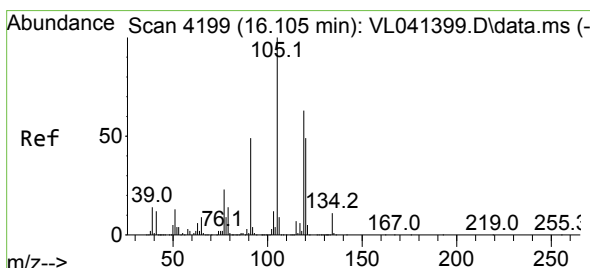
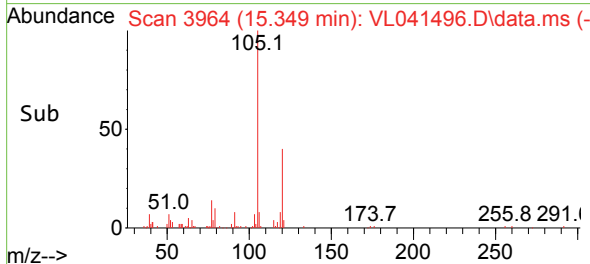
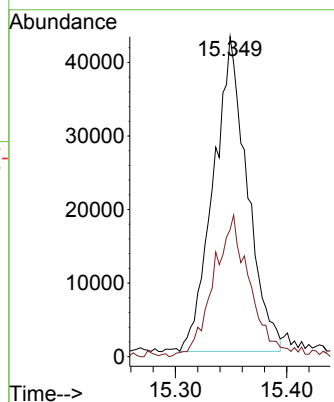
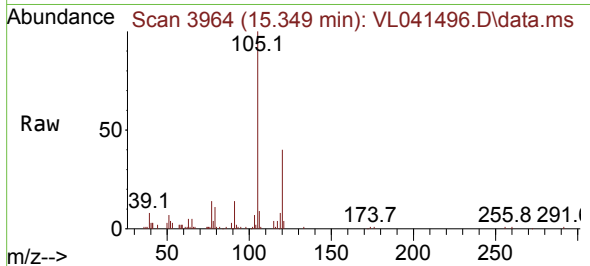




#73
 1,3,5-Trimethylbenzene
 Concen: 0.348 ppbv
 RT: 15.349 min Scan# 3964
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

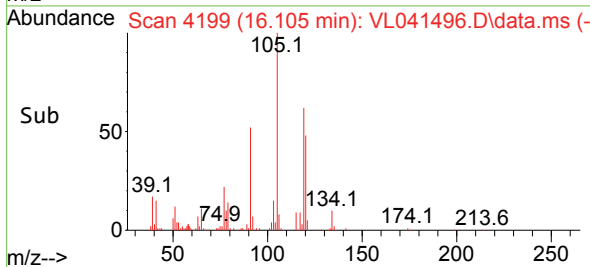
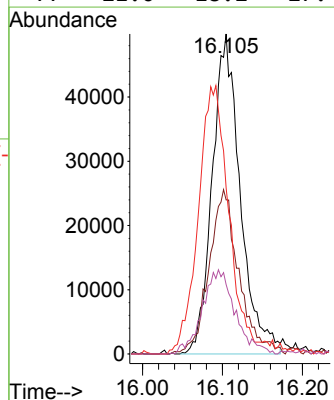
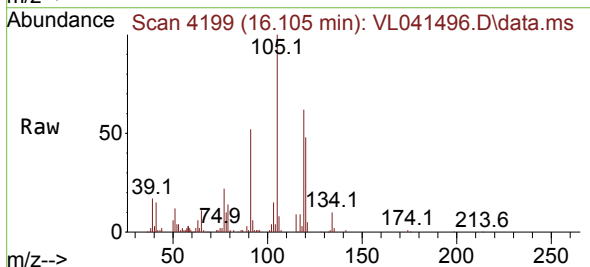
Instrument :
 MSVOA_L
 ClientSampleId :

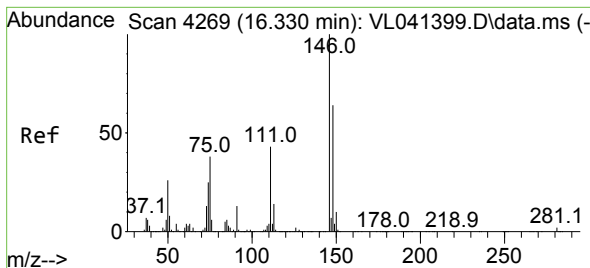
Tgt Ion:105 Resp: 90701
 Ion Ratio Lower Upper
 105 100
 120 39.1 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.400 ppbv
 RT: 16.105 min Scan# 4199
 Delta R.T. 0.003 min
 Lab File: VL041496.D
 Acq: 5 Aug 2024 11:05

Tgt Ion:105 Resp: 120984
 Ion Ratio Lower Upper
 105 100
 120 47.4 39.5 59.3
 91 48.7 39.8 59.8
 77 21.0 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.403 ppbv

RT: 16.326 min Scan# 4314

Delta R.T. 0.003 min

Lab File: VL041496.D

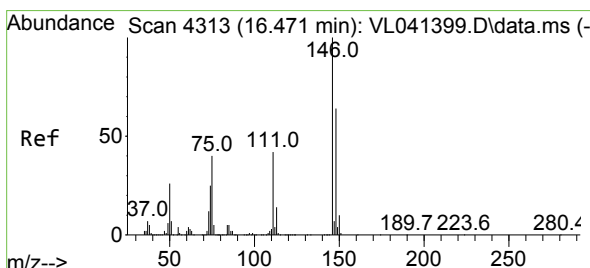
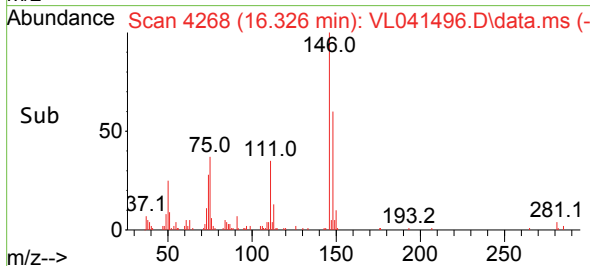
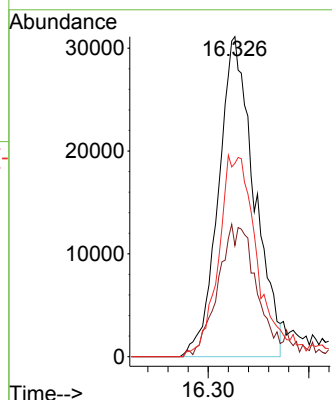
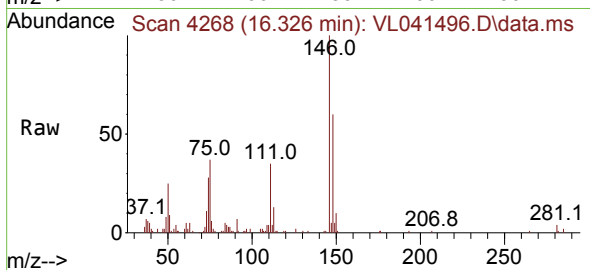
Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	76620
Ion Ratio	Lower	Upper
146	100	
111	48.2	22.6 67.8
148	68.4	32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 0.385 ppbv

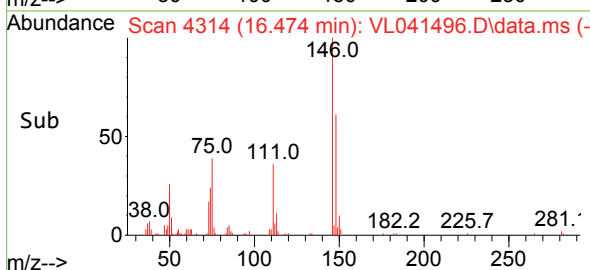
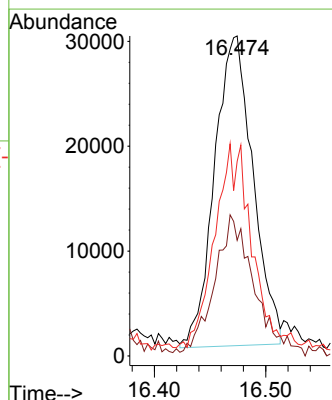
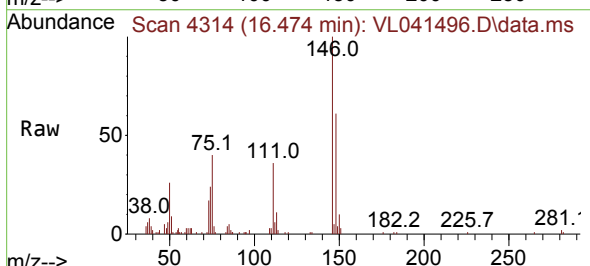
RT: 16.474 min Scan# 4314

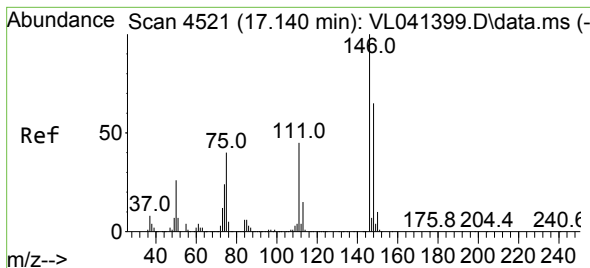
Delta R.T. 0.010 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Tgt Ion:146	Resp:	70868
Ion Ratio	Lower	Upper
146	100	
111	49.6	22.4 67.0
148	72.8	33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 0.396 ppbv

RT: 17.140 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

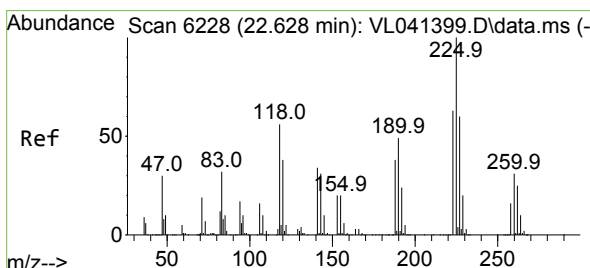
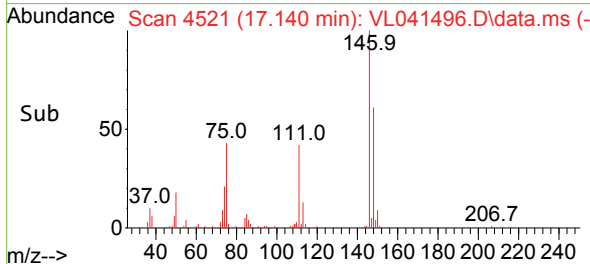
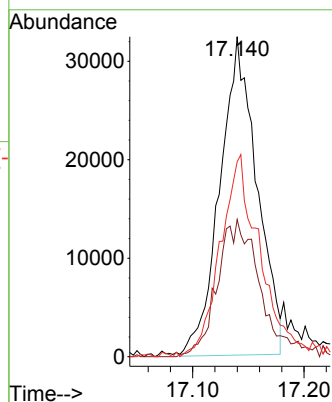
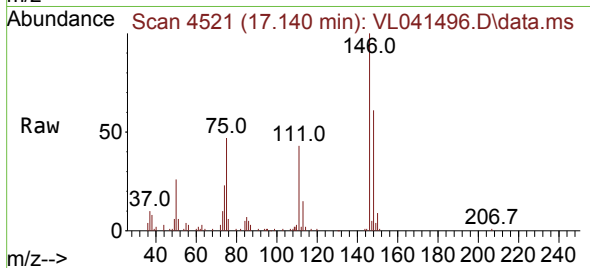
Tgt Ion:146 Resp: 74674

Ion Ratio Lower Upper

146 100

111 51.0 23.4 70.0

148 69.6 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 0.467 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. 0.013 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

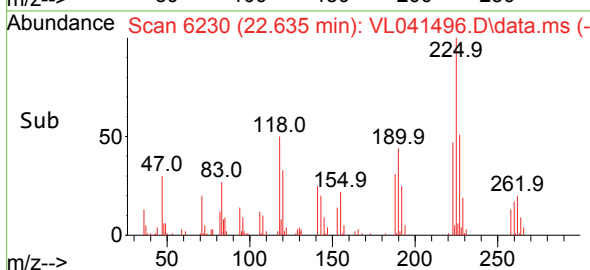
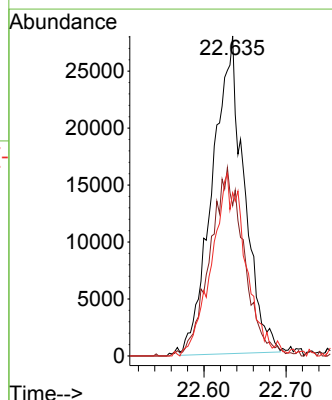
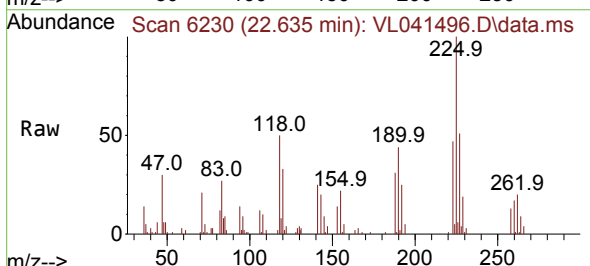
Tgt Ion:225 Resp: 75145

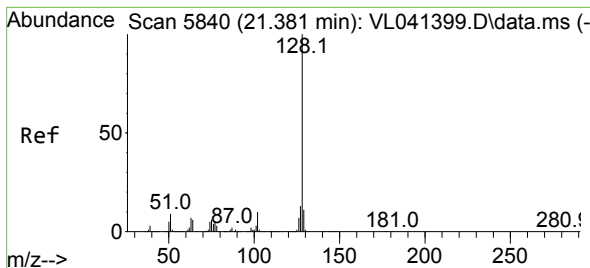
Ion Ratio Lower Upper

225 100

223 63.9 50.6 76.0

227 61.9 50.8 76.2





#79

Naphthalene

Concen: 0.106 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.007 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :

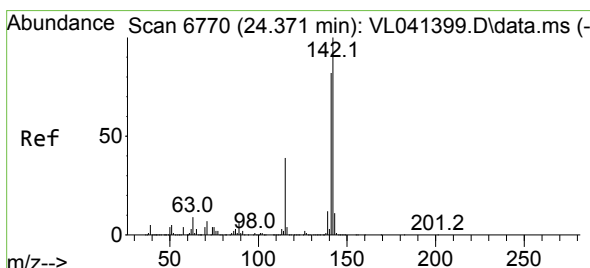
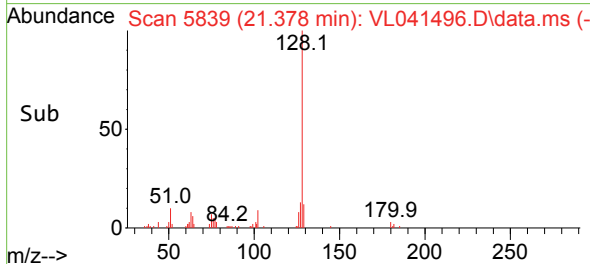
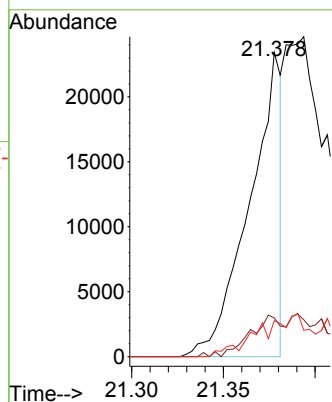
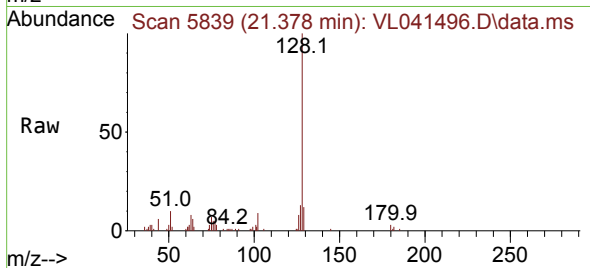
Tgt Ion:128 Resp: 28223

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.8 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 0.092 ppbv

RT: 24.378 min Scan# 6772

Delta R.T. 0.016 min

Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

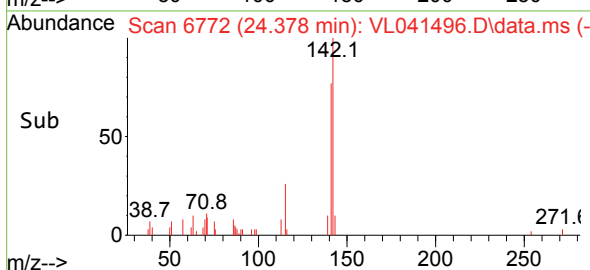
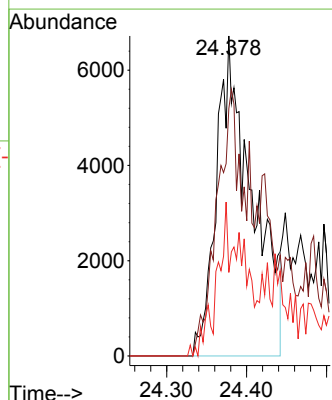
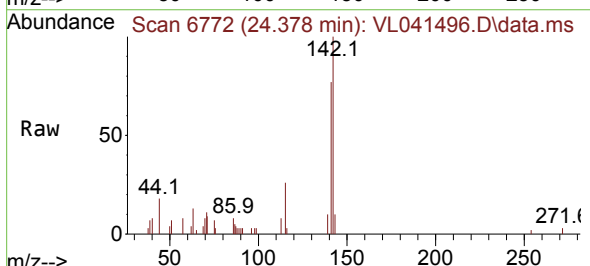
Tgt Ion:142 Resp: 20686

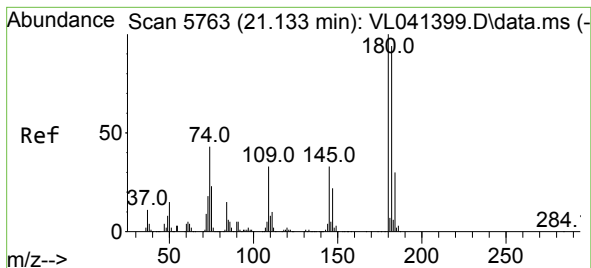
Ion Ratio Lower Upper

142 100

141 101.5 67.0 100.4#

115 42.6 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 0.130 ppbv

RT: 21.133 min Scan# 51

Delta R.T. 0.003 min

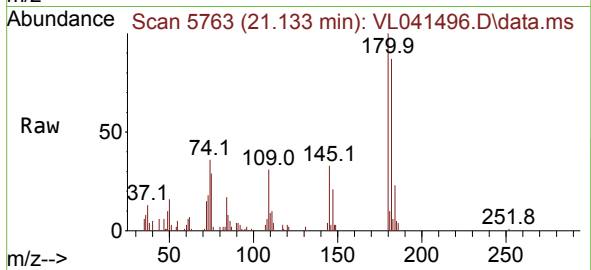
Lab File: VL041496.D

Acq: 5 Aug 2024 11:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 20677

Ion Ratio Lower Upper

180 100

182 0.0 76.7 115.1#

184 0.0 24.5 36.7#

