

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
 Data File : VL040457.D
 Acq On : 5 Jun 2023 15:27
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 06 05:57:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 05:55:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1068938	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2717884	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2439425	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2006939	9.968	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	255745	1.099	ppbv	98
3) Chlorodifluoromethane	2.661	51	188976	1.079	ppbv	98
4) Chloromethane	2.800	50	70151	1.035	ppbv	92
5) Vinyl Chloride	2.906	62	72001	1.038	ppbv	97
6) Bromomethane	3.108	94	36665	1.036	ppbv	99
7) Chloroethane	3.185	64	25554	1.006	ppbv	90
8) Dichlorotetrafluoroethane	2.845	85	192067	1.045	ppbv	98
9) Propene	2.677	41	53302	0.987	ppbv	94
10) Heptane	7.584	43	117215	0.959	ppbv	97
11) Trichlorofluoromethane	3.555	101	200552	1.059	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	136792	1.034	ppbv	98
13) Ethanol	3.240	45	8444	0.804	ppbv #	18
14) Bromoethene	3.359	108	54303	0.981	ppbv	97
15) Acetone	3.468	43	143483	1.113	ppbv	96
16) 1,3-Butadiene	2.973	39	58614	0.927	ppbv	87
17) tert-Butyl alcohol	3.877	59	114576	1.064	ppbv	98
18) 1,1-Dichloroethene	3.873	96	59406	1.007	ppbv	96
19) Isopropyl Alcohol	3.578	45	65755	1.058	ppbv #	96
20) Methylene Chloride	3.925	84	62133	1.113	ppbv	99
21) Allyl Chloride	3.989	41	73005	1.002	ppbv	95
22) trans-1,2-Dichloroethene	4.443	96	59912	0.990	ppbv	96
23) Vinyl Acetate	4.623	43	121642	0.970	ppbv	97
24) 1,1-Dichloroethane	4.558	63	135402	1.072	ppbv	98
25) Ethyl Acetate	5.208	43	242286	1.037	ppbv	98
26) Hexane	5.208	57	121623	1.099	ppbv	92
27) Carbon Disulfide	4.118	76	127739	0.923	ppbv #	92
28) Methyl tert-Butyl Ether	4.587	73	81410	0.938	ppbv	93
29) Chloroform	5.269	83	196452	1.042	ppbv	99
30) Cyclohexane	6.597	84	32360	0.393	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	107937	1.020	ppbv	91
32) 1,1,1-Trichloroethane	6.005	97	197523	1.053	ppbv	98
34) 2-Butanone	4.793	43	130982	0.999	ppbv	95
35) Carbon Tetrachloride	6.491	117	188423	1.008	ppbv	91
36) Benzene	6.372	78	215719	0.998	ppbv	97
37) 1,2-Dichloroethane	5.806	62	137510	0.976	ppbv	99
38) Trichloroethene	7.295	130	86718	1.044	ppbv	97
39) 1,2-Dichloropropane	7.073	63	79226	0.939	ppbv	94
40) 1,4-Dioxane	7.278	88	225	0.010	ppbv #	100
41) Tetrahydrofuran	5.574	42	66738	0.938	ppbv	96
42) Bromodichloromethane	7.250	83	197108	1.016	ppbv	95
43) Methyl Methacrylate	7.484	69	69341	0.893	ppbv	90
44) 2,2,4-Trimethylpentane	7.333	57	154069	0.436	ppbv #	26
45) t-1,3-Dichloropropene	8.716	75	45058	0.784	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

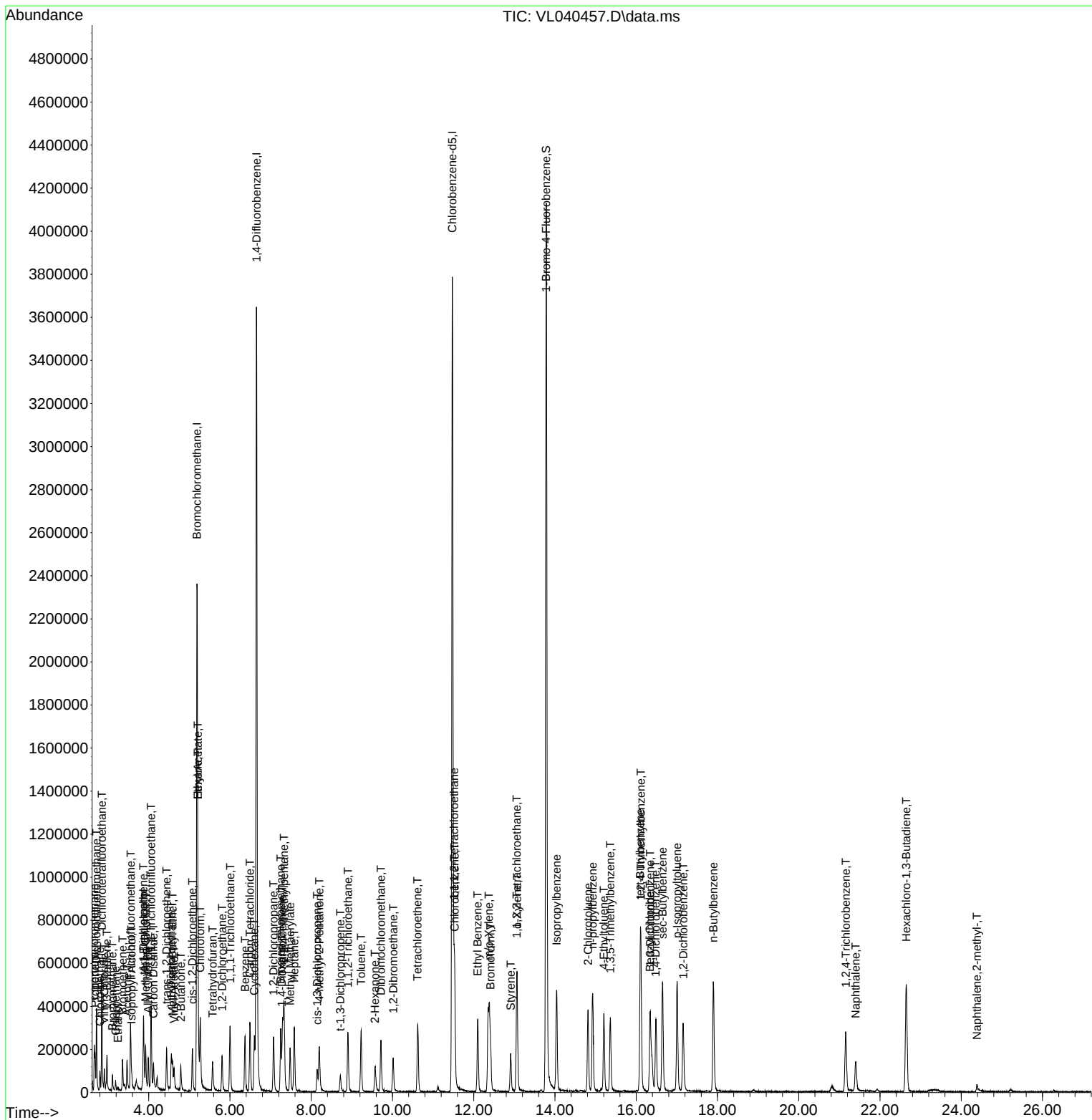
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

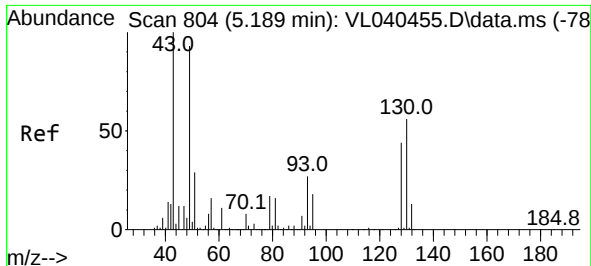
Quant Time: Jun 06 05:57:53 2023
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 05:55:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	34737	0.501	ppbv	94
47) 1,1,2-Trichloroethane	8.902	97	89384	0.977	ppbv	96
48) Dibromochloromethane	9.716	129	137669	0.940	ppbv	96
49) Bromoform	12.413	173	101516	0.919	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	163680	0.937	ppbv	99
51) 2-Hexanone	9.568	43	52805	0.436	ppbv #	31
52) Tetrachloroethene	10.619	164	70998	1.046	ppbv	93
53) Toluene	9.230	91	217816	0.957	ppbv	98
54) 1,2-Dibromoethane	10.018	107	120382	1.000	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.516	131	119727	1.044	ppbv #	1
57) Chlorobenzene	11.536	112	186268	1.010	ppbv #	95
58) Ethyl Benzene	12.095	91	145731	0.493	ppbv	94
59) m/p-Xylene	12.375	91	76225	0.281	ppbv #	33
60) o-Xylene	13.069	91	260028	1.009	ppbv	97
61) Styrene	12.912	104	96299	0.869	ppbv	98
62) Isopropylbenzene	14.040	105	385291	1.006	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.056	83	174871	1.034	ppbv	98
64) n-propylbenzene	14.928	120	60308	0.672	ppbv #	1
65) tert-Butylbenzene	16.098	119	165715	0.500	ppbv #	15
66) Benzyl Chloride	16.336	91	15057	0.613	ppbv #	82
67) sec-Butylbenzene	16.648	105	484301	1.011	ppbv	97
69) p-Isopropyltoluene	17.008	119	381218	1.002	ppbv	97
70) n-Butylbenzene	17.902	91	427871	1.007	ppbv	97
71) 2-Chlorotoluene	14.815	91	274836	0.966	ppbv	100
72) 4-Ethyltoluene	15.204	105	278957	0.961	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	255790	0.997	ppbv	94
74) 1,2,4-Trimethylbenzene	16.117	105	307312	1.018	ppbv	94
75) 1,3-Dichlorobenzene	16.346	146	166640	0.987	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	155576	0.930	ppbv	90
77) 1,2-Dichlorobenzene	17.159	146	161985	1.000	ppbv	97
78) Hexachloro-1,3-Butadiene	22.644	225	128387	1.037	ppbv	98
79) Naphthalene	21.403	128	167503	0.968	ppbv	94
80) Naphthalene,2-methyl-	24.384	142	24343	0.500	ppbv	91
81) 1,2,4-Trichlorobenzene	21.159	180	103992	0.867	ppbv	93

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

Quant Time: Jun 06 05:57:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
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QLast Update : Tue Jun 06 05:55:55 2023
Response via : Initial Calibration

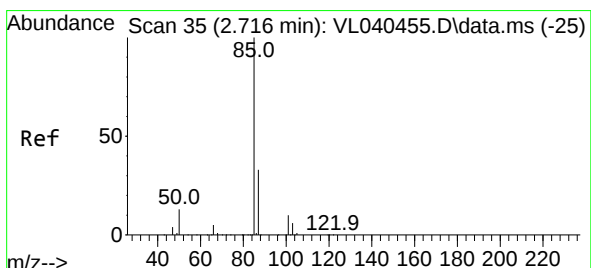
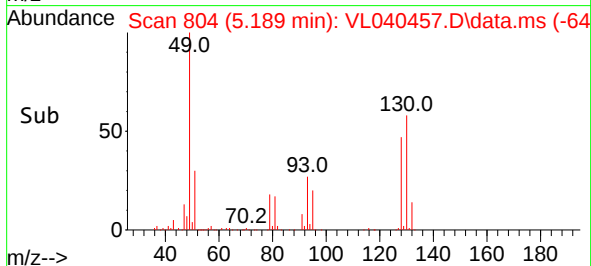
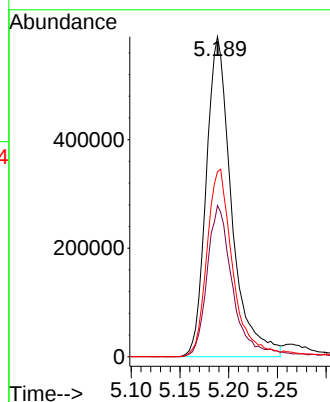
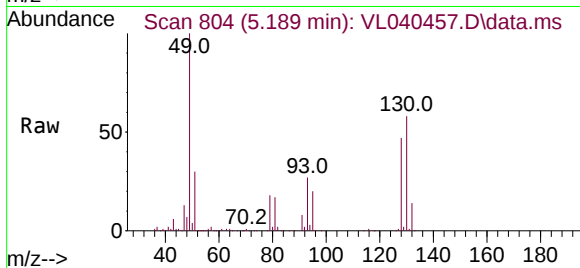




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

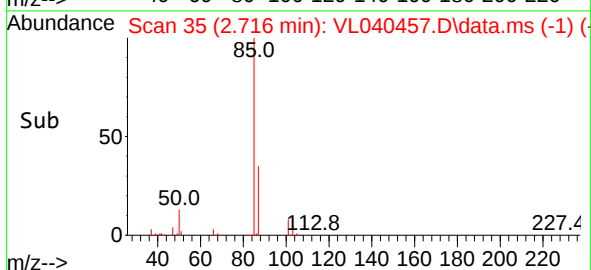
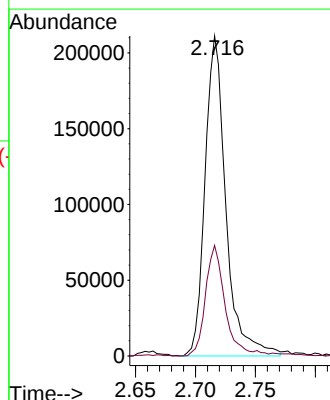
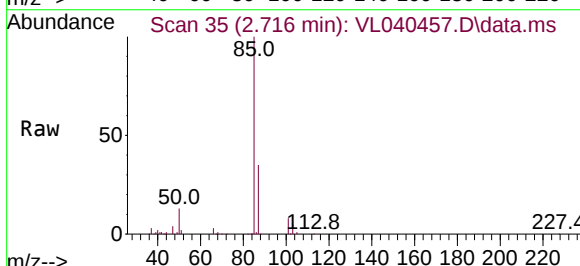
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

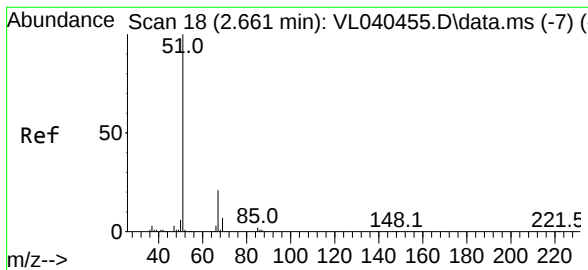
Tgt Ion: 49 Resp: 1068938
Ion Ratio Lower Upper
49 100
128 49.2 24.7 74.1
130 62.2 31.4 94.2



#2
Dichlorodifluoromethane
Concen: 1.099 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 85 Resp: 255745
Ion Ratio Lower Upper
85 100
87 34.6 26.6 39.8

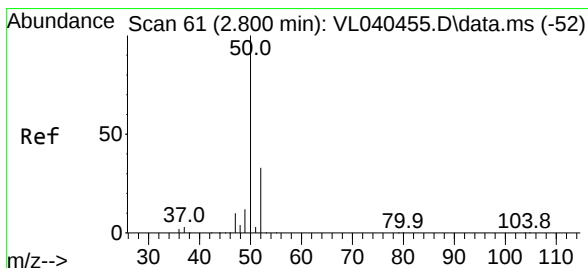
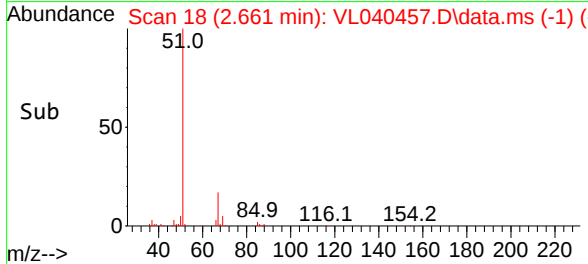
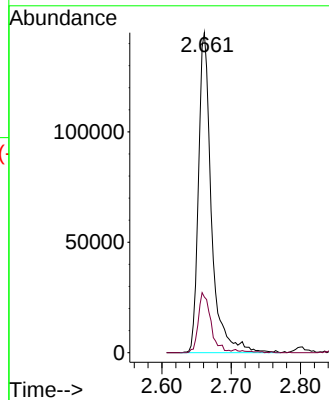
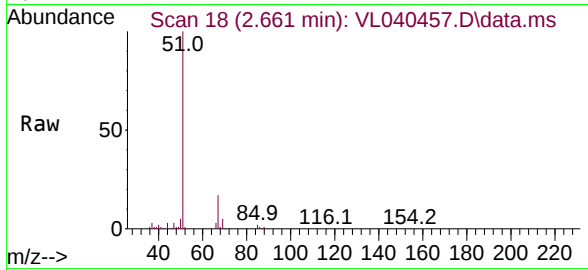




#3
Chlorodifluoromethane
Concen: 1.079 ppbv
RT: 2.661 min Scan# 18
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

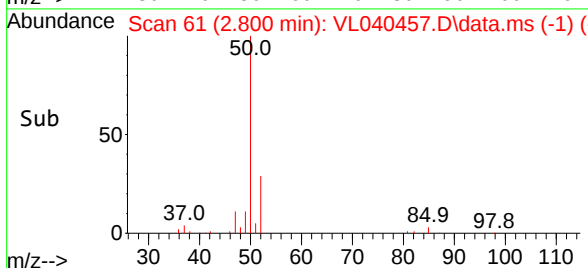
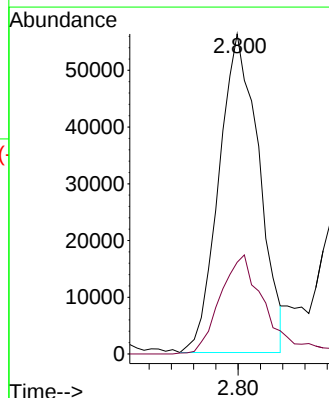
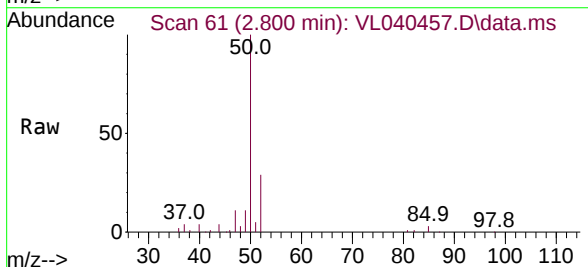
Instrument : MSVOA_L
ClientSampleId : VSTDIC001

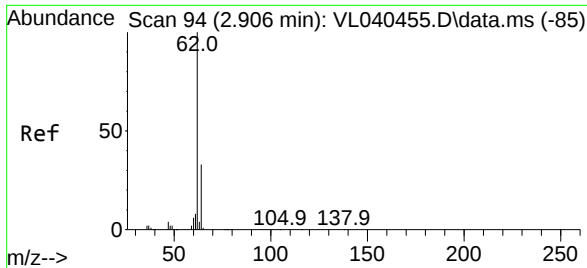
Tgt Ion: 51 Resp: 188976
Ion Ratio Lower Upper
51 100
67 19.3 16.3 24.5



#4
Chloromethane
Concen: 1.035 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 50 Resp: 70151
Ion Ratio Lower Upper
50 100
52 28.5 26.3 39.5

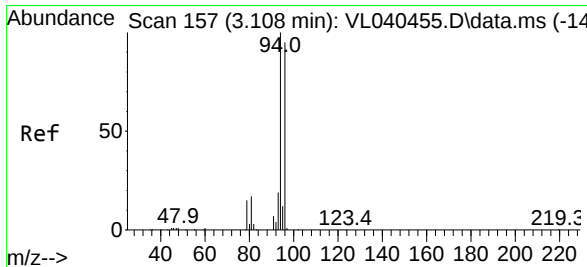
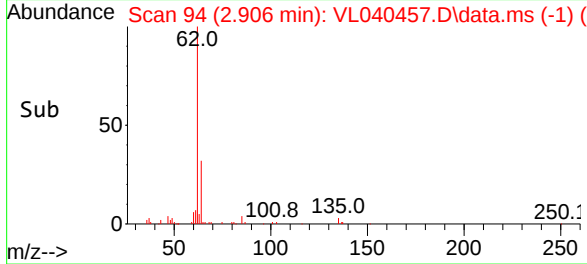
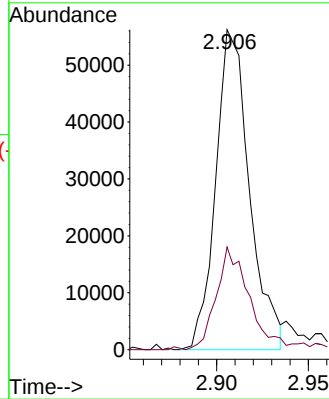
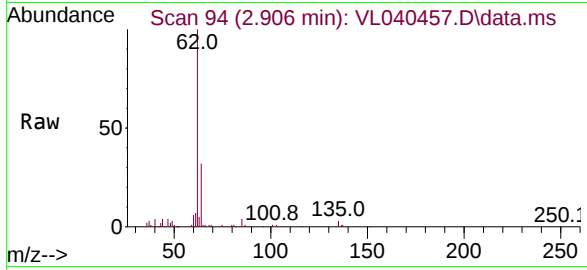




#5
 Vinyl Chloride
 Concen: 1.038 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

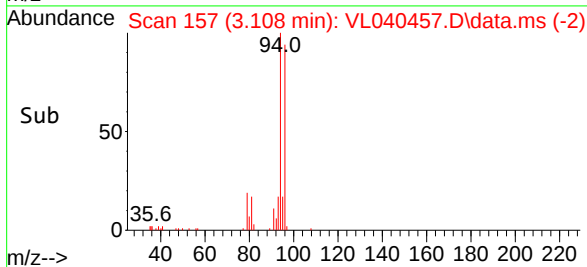
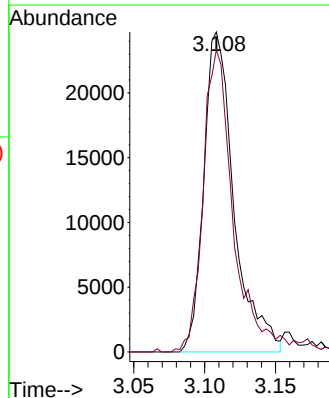
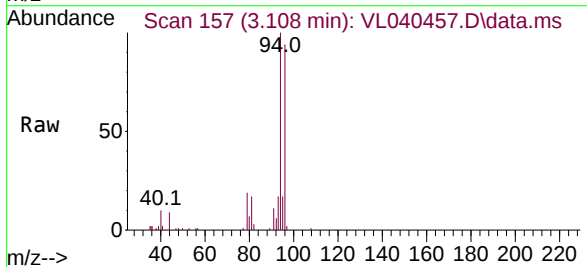
Instrument :
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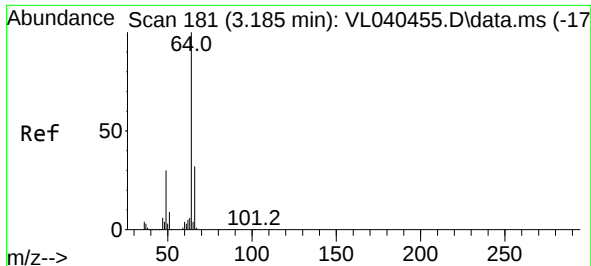
Tgt Ion: 62 Resp: 72001
 Ion Ratio Lower Upper
 62 100
 64 31.6 26.8 40.2



#6
 Bromomethane
 Concen: 1.036 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion: 94 Resp: 36665
 Ion Ratio Lower Upper
 94 100
 96 93.6 75.8 113.8

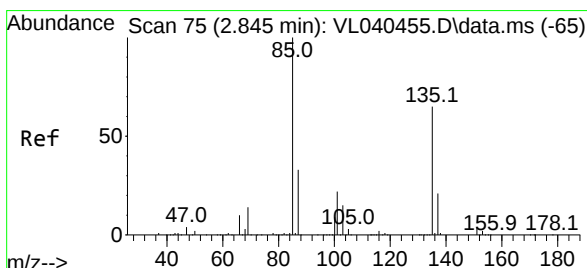
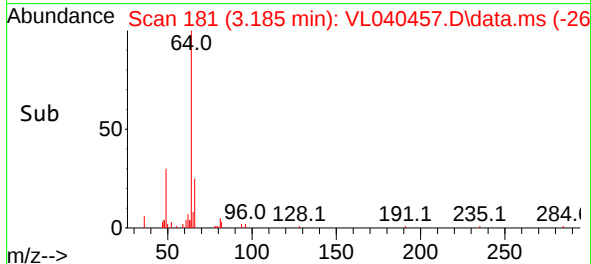
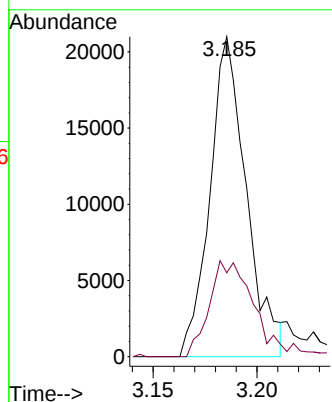
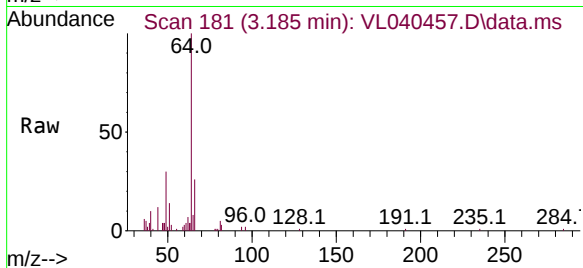




#7
Chloroethane
Concen: 1.006 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

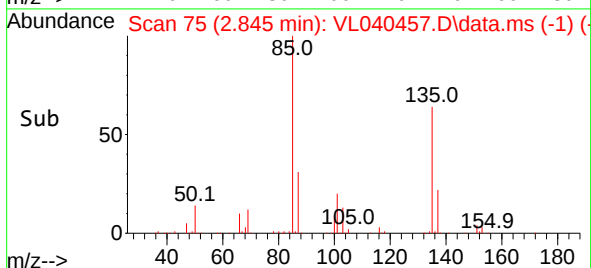
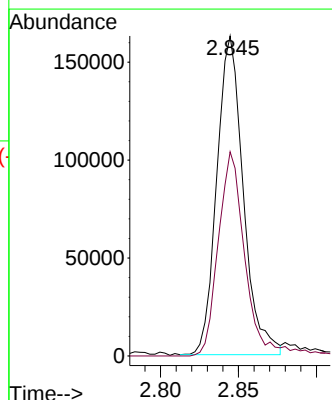
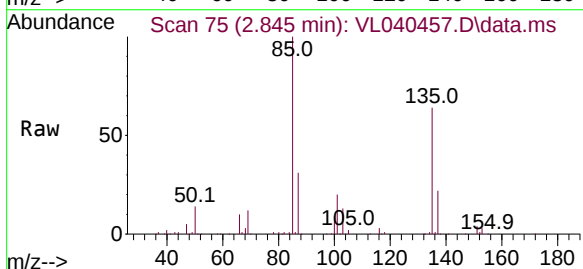
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ClientSampleId :
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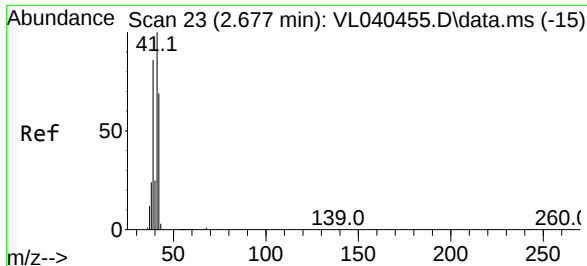
Tgt Ion: 64 Resp: 25554
Ion Ratio Lower Upper
64 100
66 26.2 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 1.045 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 85 Resp: 192067
Ion Ratio Lower Upper
85 100
135 66.5 52.0 78.0

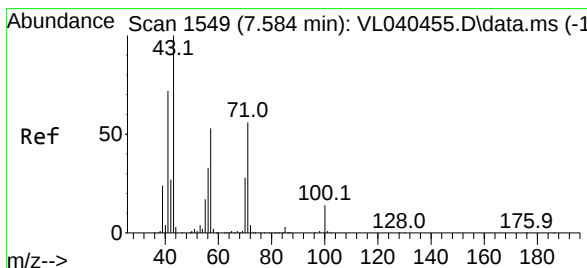
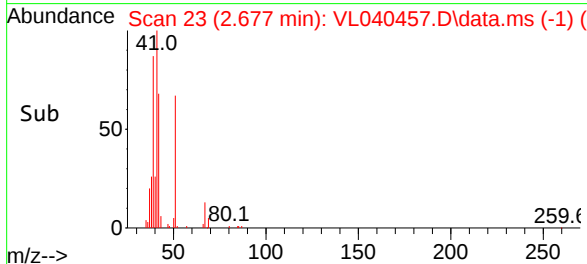
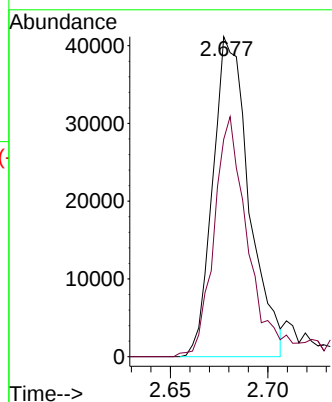
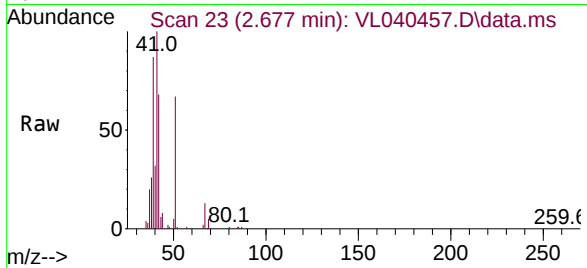




#9
 Propene
 Concen: 0.987 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

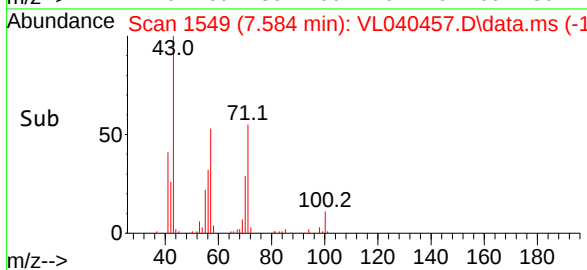
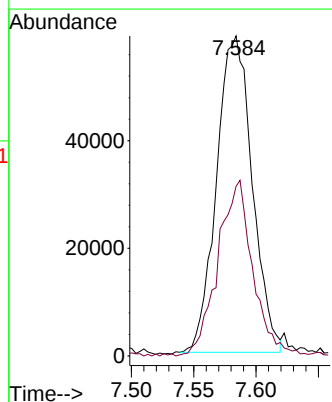
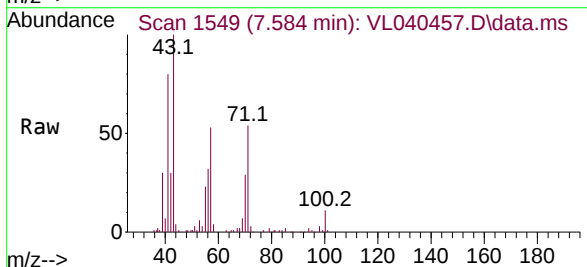
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

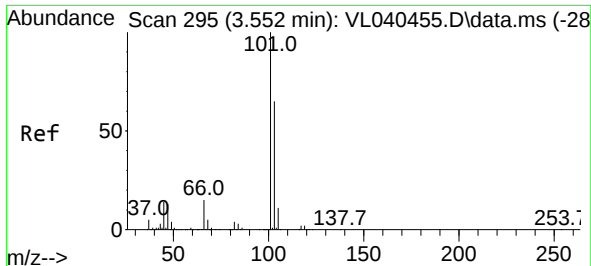
Tgt Ion: 41 Resp: 53302
 Ion Ratio Lower Upper
 41 100
 42 75.2 56.2 84.2



#10
 Heptane
 Concen: 0.959 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion: 43 Resp: 117215
 Ion Ratio Lower Upper
 43 100
 57 55.1 42.5 63.7

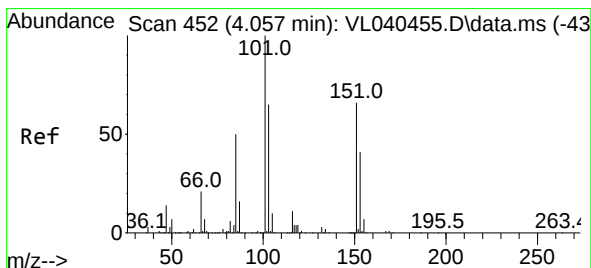
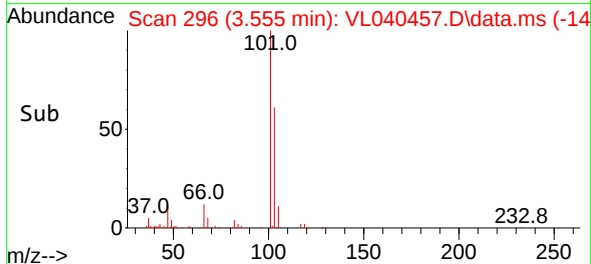
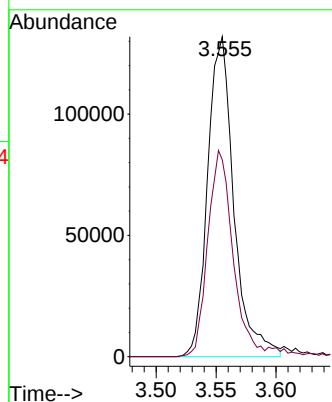
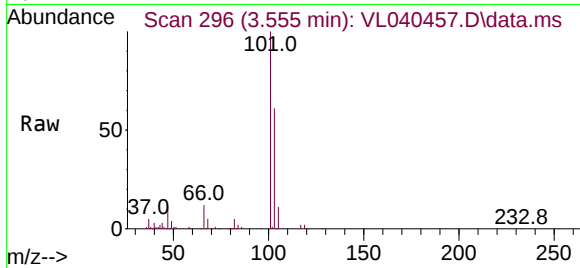




#11
 Trichlorofluoromethane
 Concen: 1.059 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

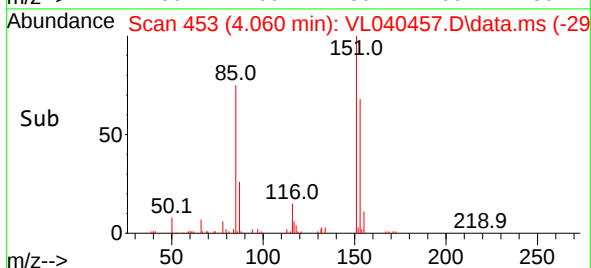
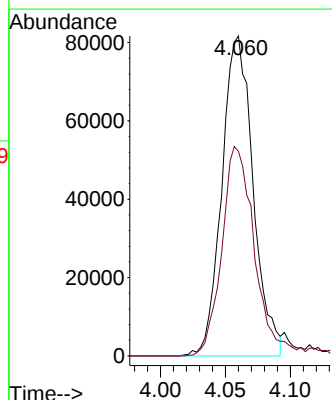
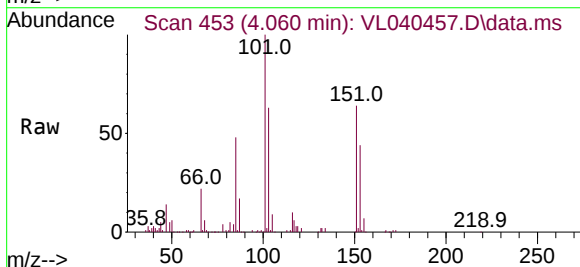
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

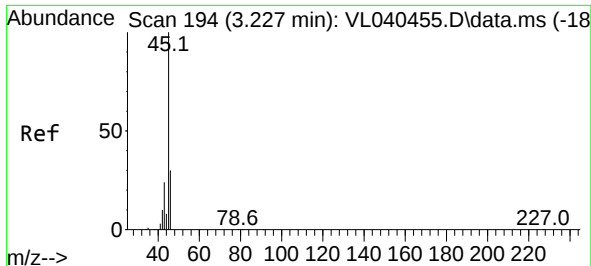
Tgt Ion:101 Resp: 200552
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.034 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion:101 Resp: 136792
 Ion Ratio Lower Upper
 101 100
 151 69.8 54.3 81.5

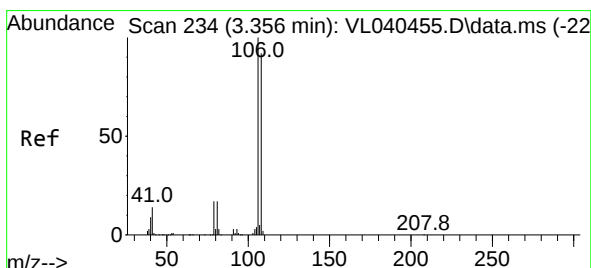
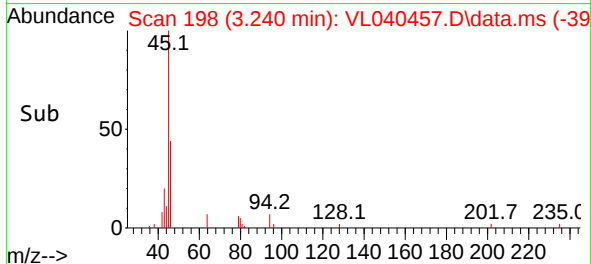
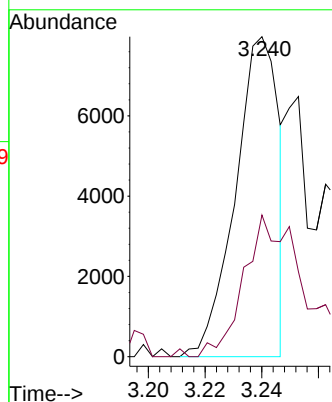
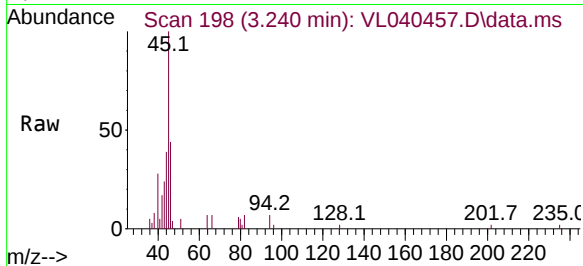




#13
Ethanol
Concen: 0.804 ppbv
RT: 3.240 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

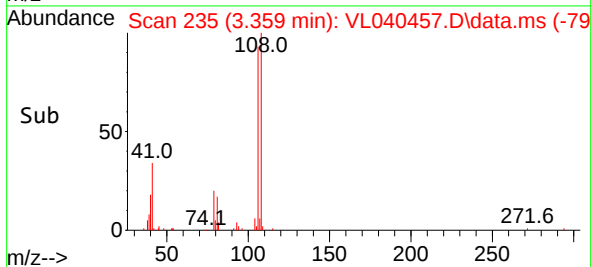
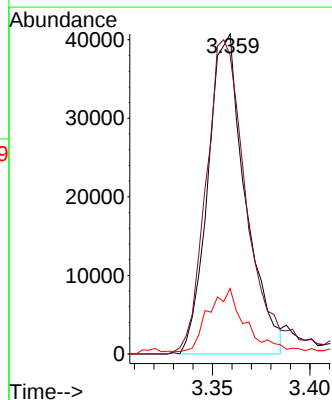
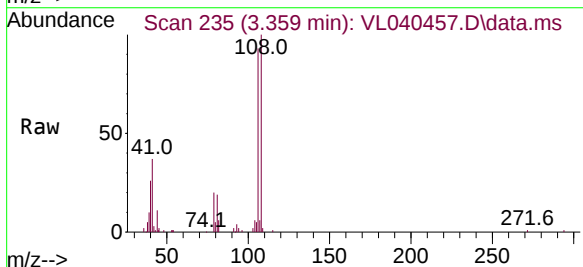
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

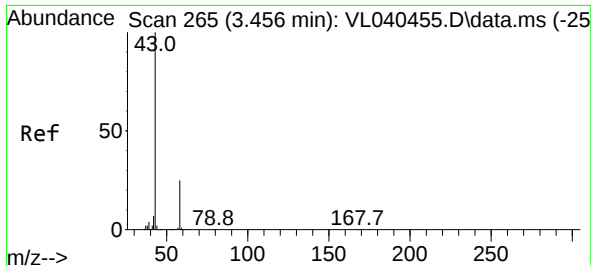
Tgt Ion: 45 Resp: 8444
Ion Ratio Lower Upper
45 100
46 84.9 14.5 58.1#



#14
Bromoethene
Concen: 0.981 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 108 Resp: 54303
Ion Ratio Lower Upper
108 100
106 111.4 87.4 131.0
79 22.9 15.9 23.9

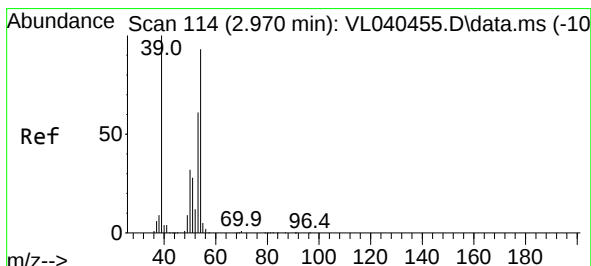
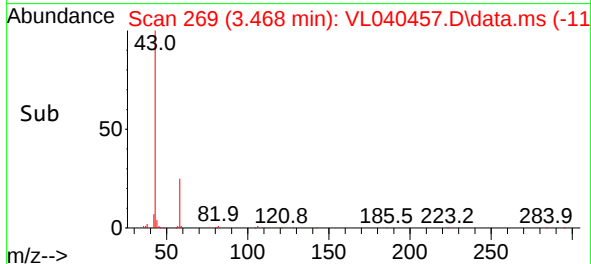
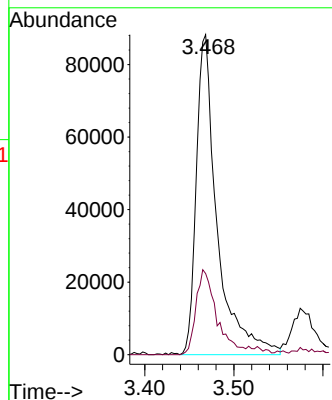
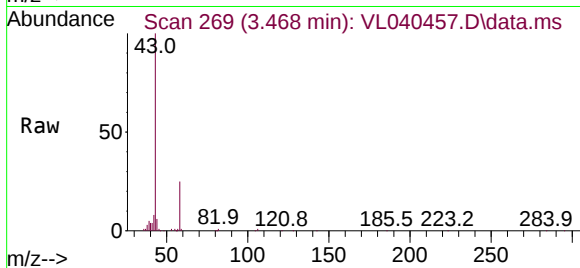




#15
Acetone
Concen: 1.113 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

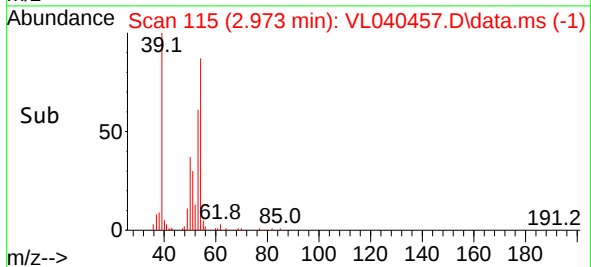
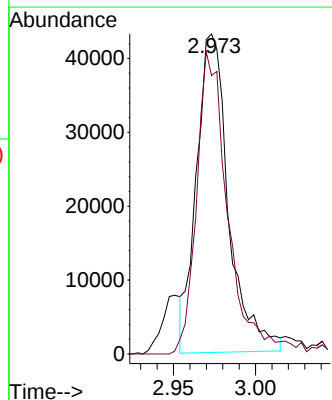
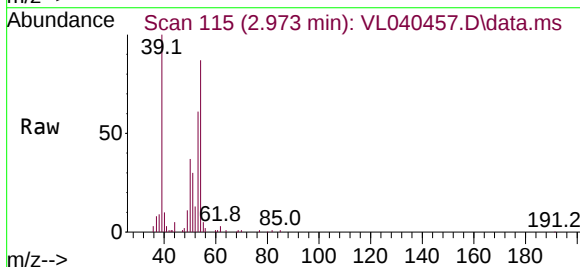
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

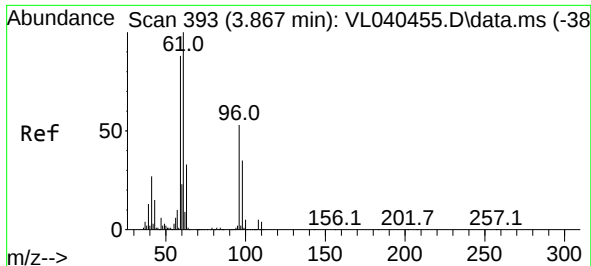
Tgt Ion: 43 Resp: 143483
Ion Ratio Lower Upper
43 100
58 28.9 21.6 32.4



#16
1,3-Butadiene
Concen: 0.927 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 39 Resp: 58614
Ion Ratio Lower Upper
39 100
54 95.1 66.9 100.3





#17

tert-Butyl alcohol

Concen: 1.064 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.010 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_1

ClientSampleId :

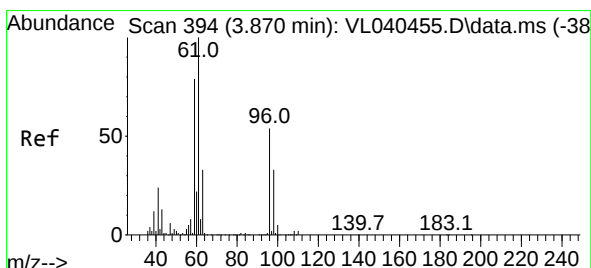
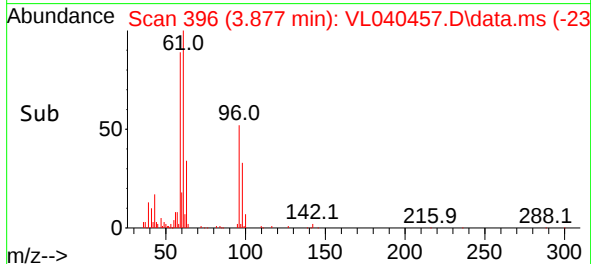
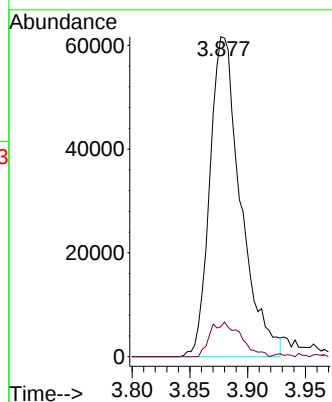
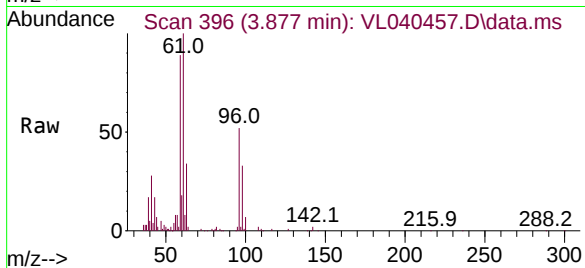
VSTDIC001

Tgt Ion: 59 Resp: 114576

Ion Ratio Lower Upper

59 100

57 11.7 8.8 13.2



#18

1,1-Dichloroethene

Concen: 1.007 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

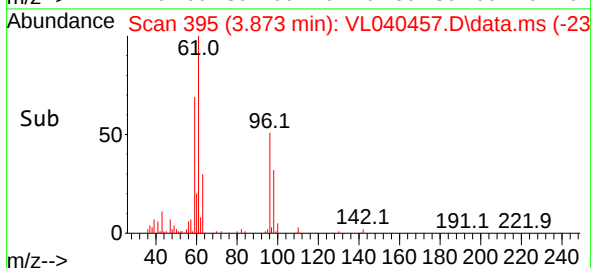
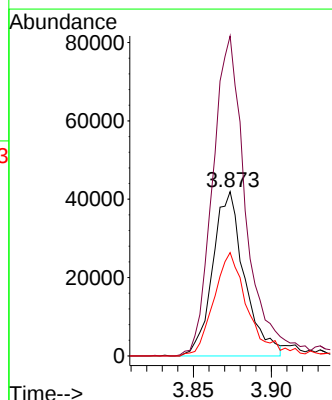
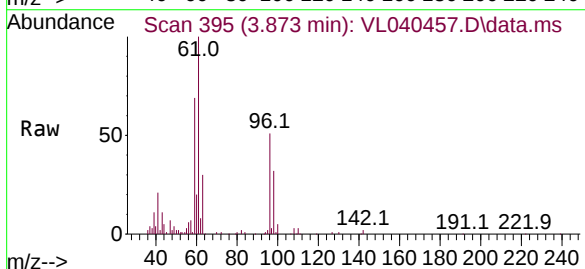
Tgt Ion: 96 Resp: 59406

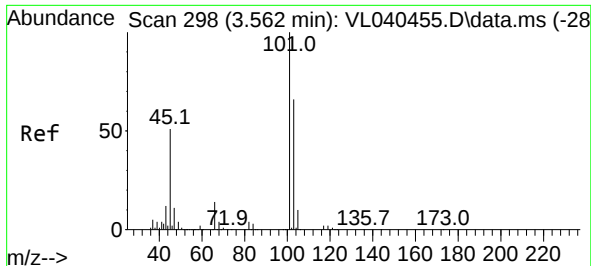
Ion Ratio Lower Upper

96 100

61 194.0 149.5 224.3

98 62.9 48.7 73.1

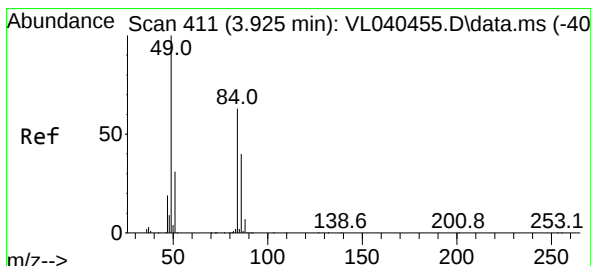
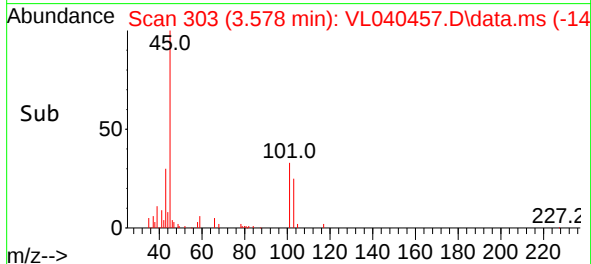
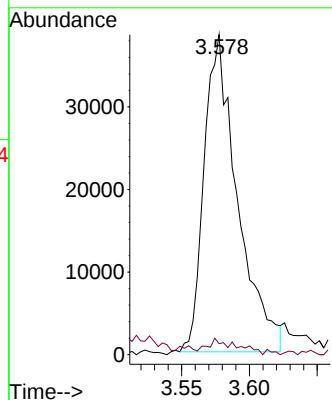
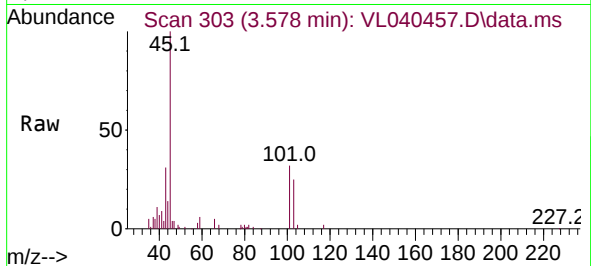




#19
Isopropyl Alcohol
Concen: 1.058 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.016 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

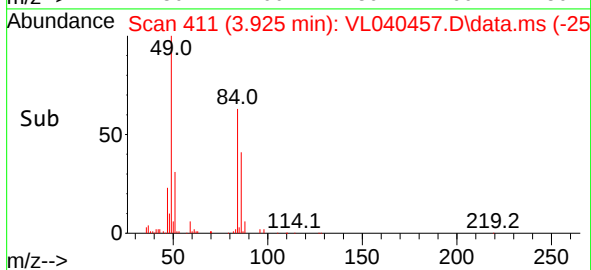
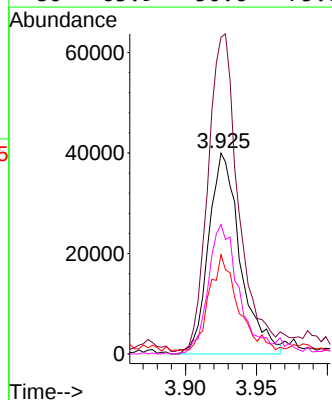
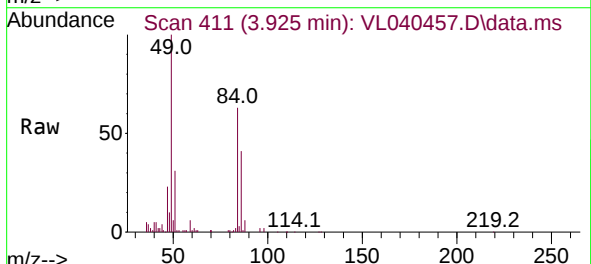
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

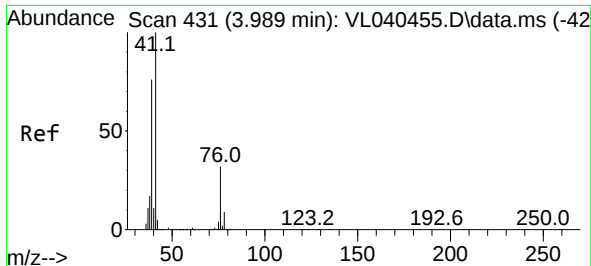
Tgt Ion: 45 Resp: 65755
Ion Ratio Lower Upper
45 100
58 4.8 2.6 4.0#



#20
Methylene Chloride
Concen: 1.113 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 84 Resp: 62133
Ion Ratio Lower Upper
84 100
49 155.5 126.2 189.2
51 47.7 38.7 58.1
86 63.9 50.6 75.8

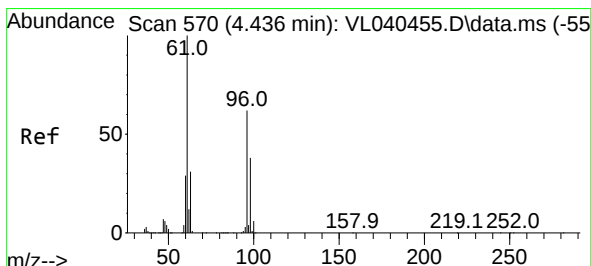
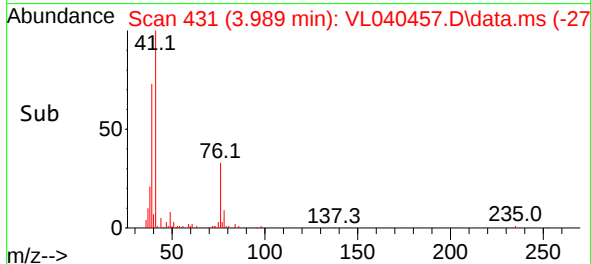
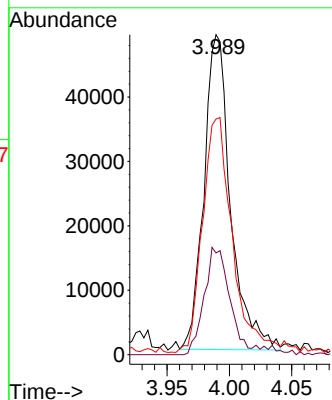
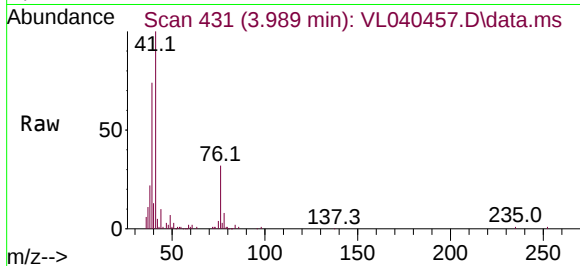




#21
 Allyl Chloride
 Concen: 1.002 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

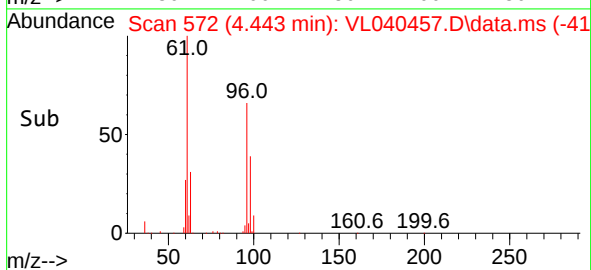
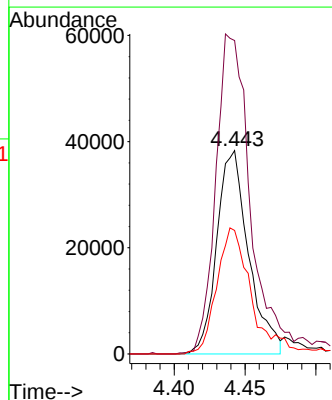
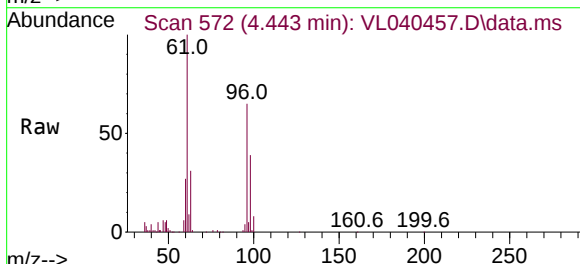
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

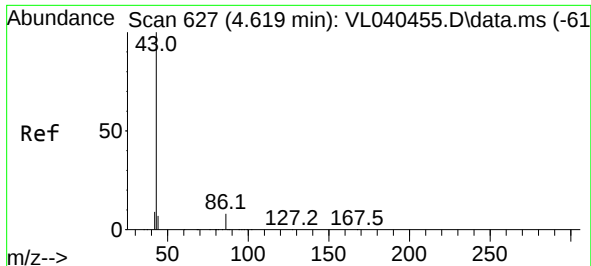
Tgt Ion: 41 Resp: 73005
 Ion Ratio Lower Upper
 41 100
 76 34.7 26.1 39.1
 39 84.5 63.9 95.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.990 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion: 96 Resp: 59912
 Ion Ratio Lower Upper
 96 100
 61 153.6 128.1 192.1
 98 60.7 48.2 72.4



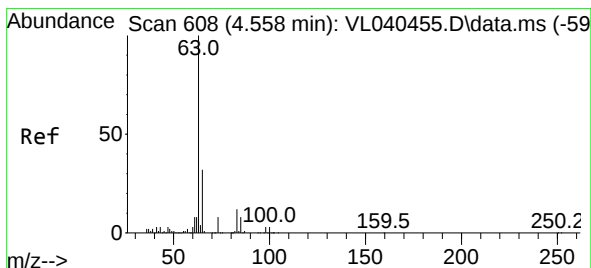
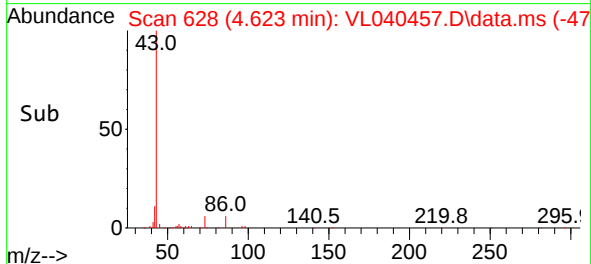
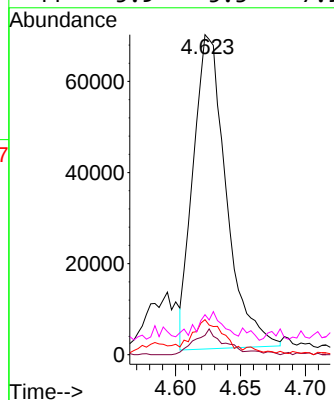
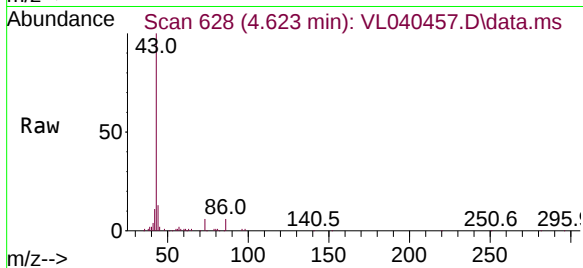


#23
 Vinyl Acetate
 Concen: 0.970 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 121642

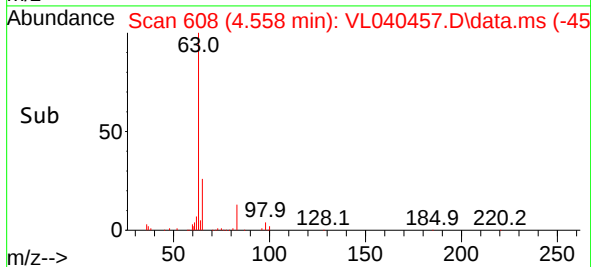
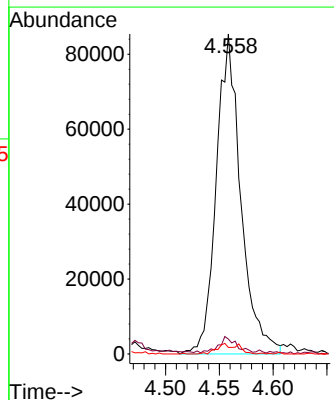
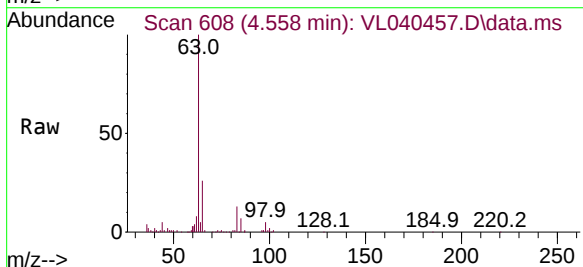
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.8	8.6
42	10.3	7.4	11.2
44	5.9	5.3	7.9

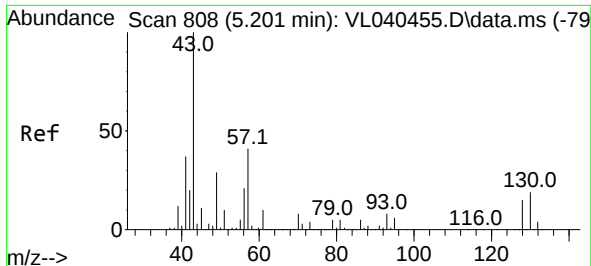


#24
 1,1-Dichloroethane
 Concen: 1.072 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion: 63 Resp: 135402

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.5
100	2.1	1.4	4.0

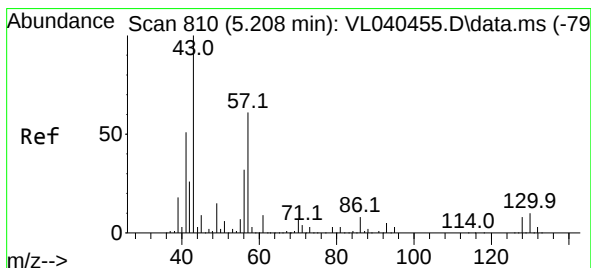
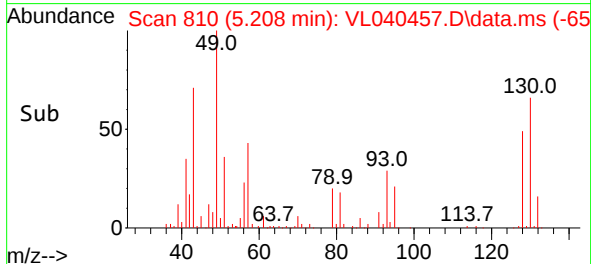
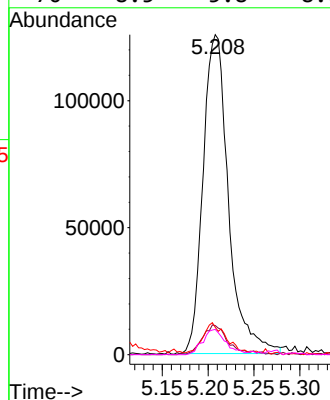
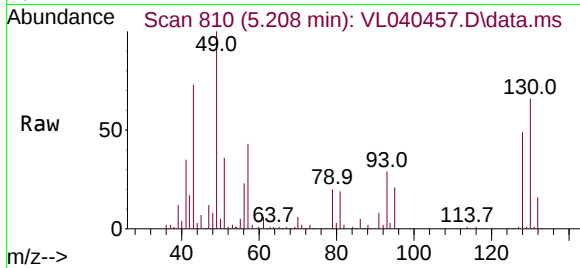




#25
Ethyl Acetate
Concen: 1.037 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.006 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

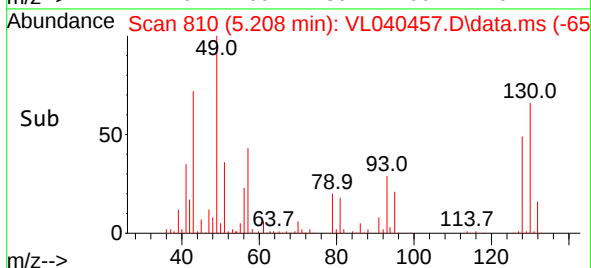
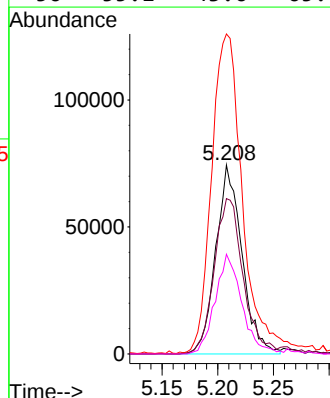
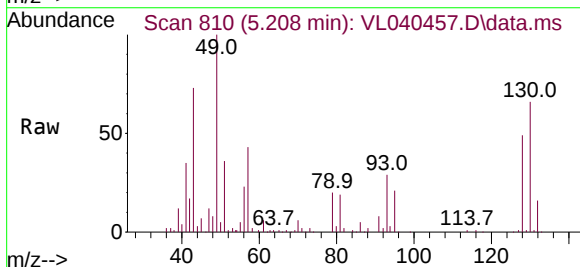
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

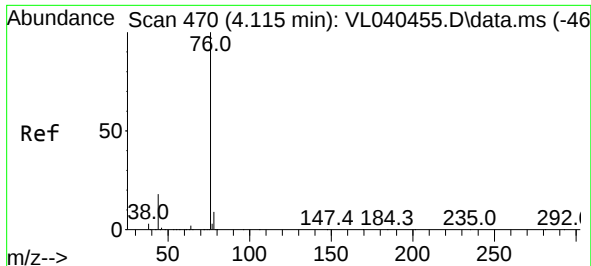
Tgt Ion: 43 Resp: 242286
Ion Ratio Lower Upper
43 100
45 9.9 8.0 12.0
61 9.7 8.1 12.1
70 8.5 5.8 8.6



#26
Hexane
Concen: 1.099 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 57 Resp: 121623
Ion Ratio Lower Upper
57 100
41 94.1 73.0 109.6
43 202.4 177.5 266.3
56 55.1 43.6 65.4

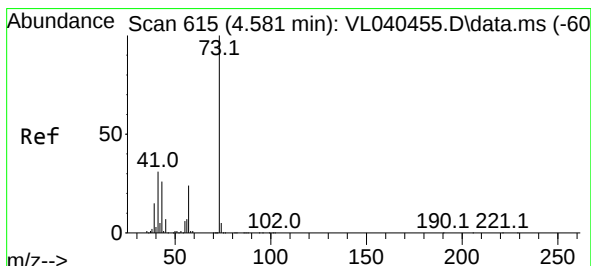
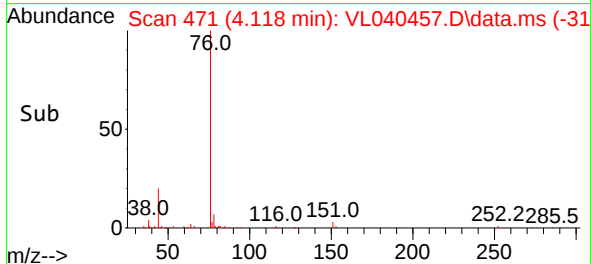
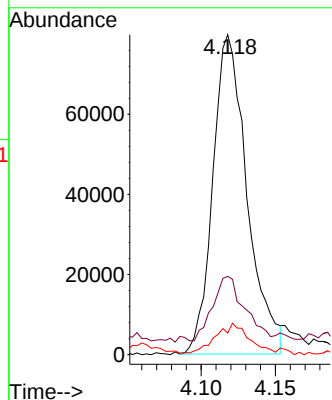
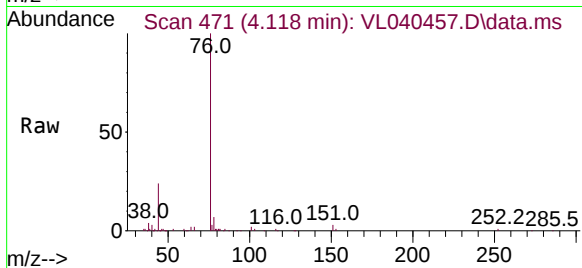




#27
Carbon Disulfide
Concen: 0.923 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

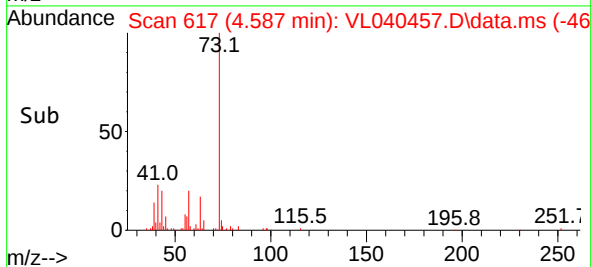
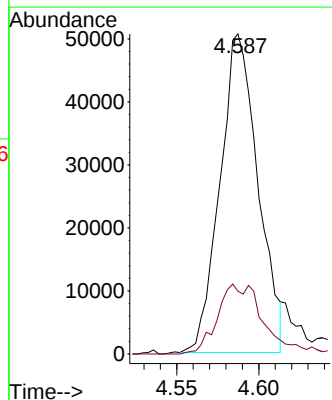
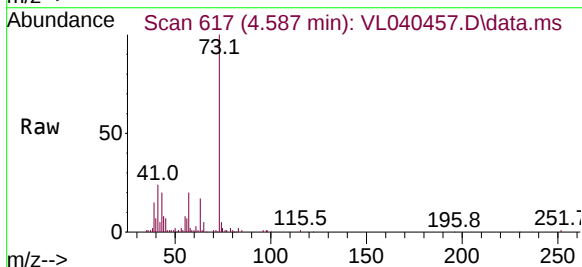
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

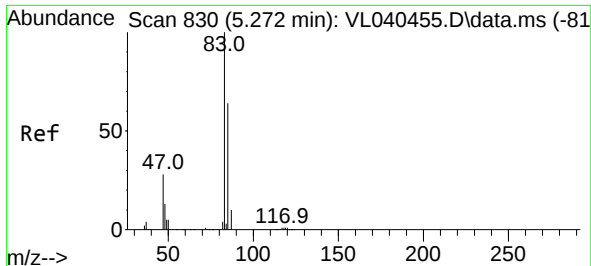
Tgt Ion: 76 Resp: 127739
Ion Ratio Lower Upper
76 100
44 23.0 14.6 22.0#
78 10.8 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 0.938 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.006 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 73 Resp: 81410
Ion Ratio Lower Upper
73 100
57 27.0 19.0 28.4

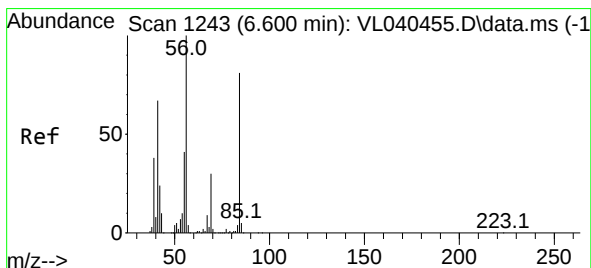
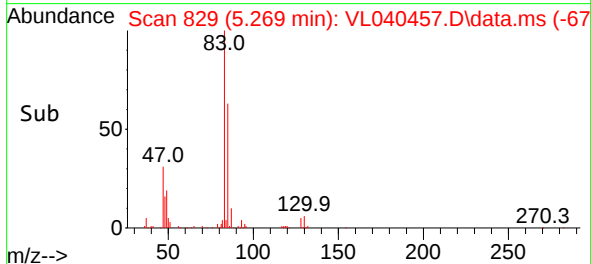
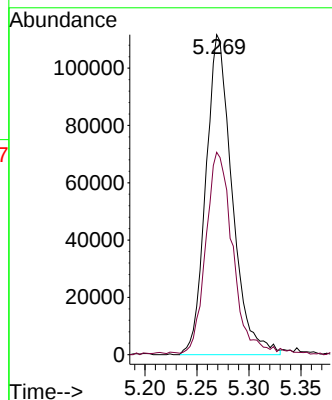
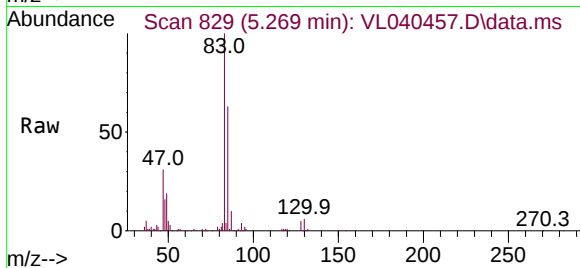




#29
Chloroform
Concen: 1.042 ppbv
RT: 5.269 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

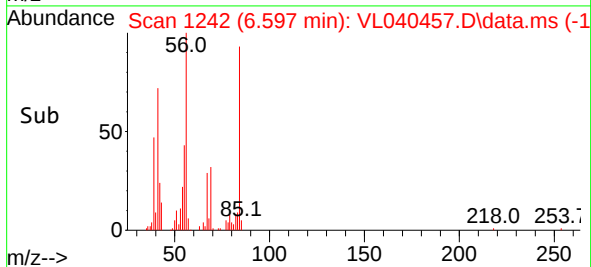
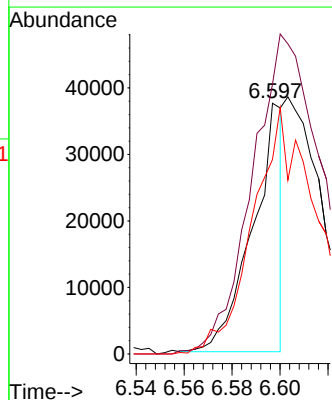
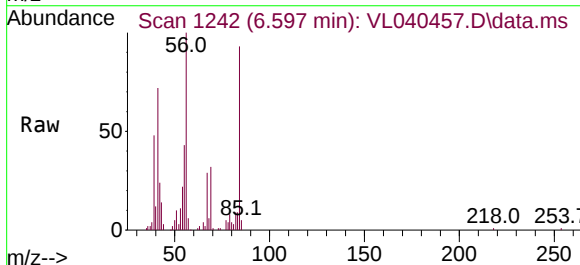
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

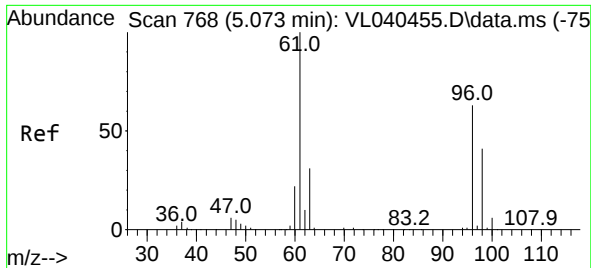
Tgt Ion: 83 Resp: 196452
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7



#30
Cyclohexane
Concen: 0.393 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. -0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 84 Resp: 32360
Ion Ratio Lower Upper
84 100
56 297.6 106.0 159.0#
41 219.8 66.8 100.2#



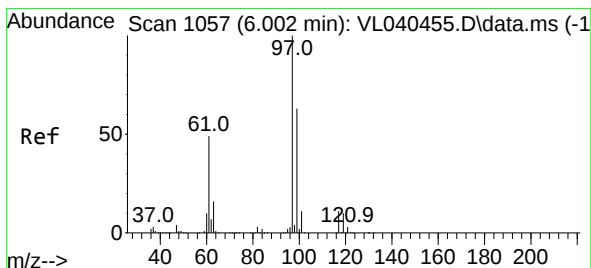
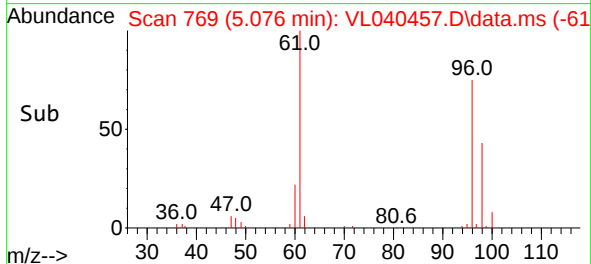
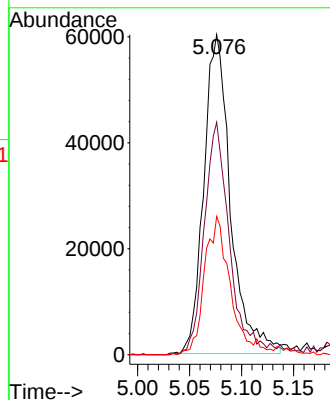
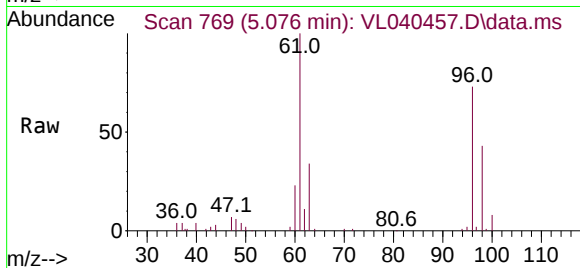


#31
 cis-1,2-Dichloroethene
 Concen: 1.020 ppbv
 RT: 5.076 min Scan# 768
 Delta R.T. 0.003 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 107937

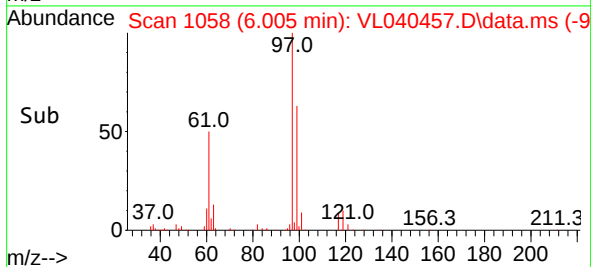
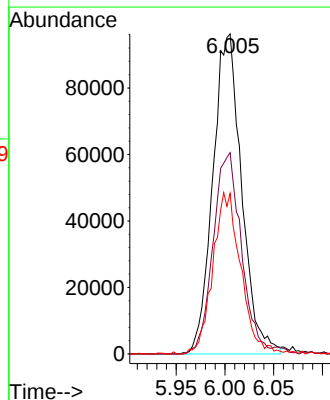
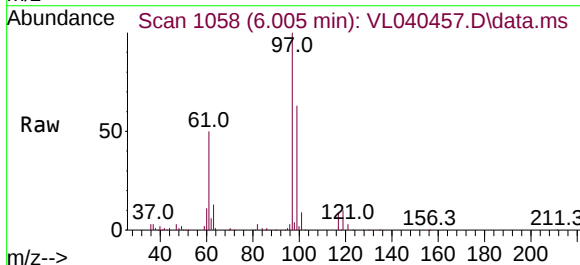
Ion	Ratio	Lower	Upper
61	100		
96	72.4	50.2	75.4
98	43.0	32.9	49.3

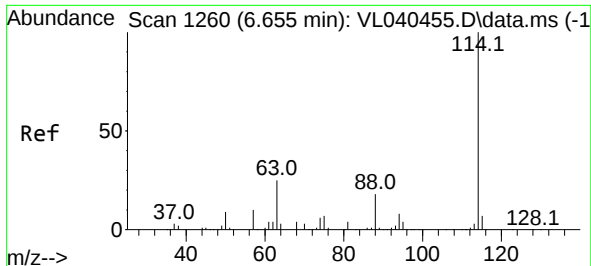


#32
 1,1,1-Trichloroethane
 Concen: 1.053 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.003 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion: 97 Resp: 197523

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.5	77.3
61	49.0	39.7	59.5

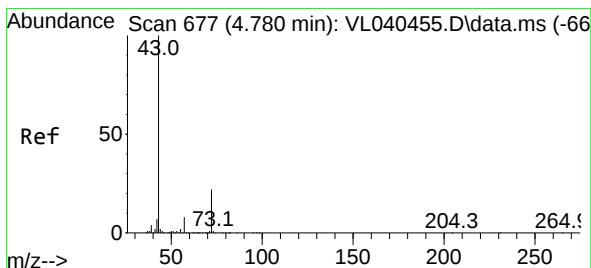
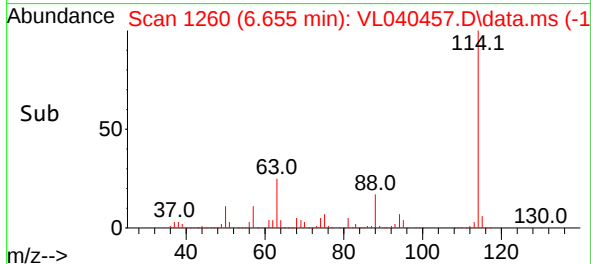
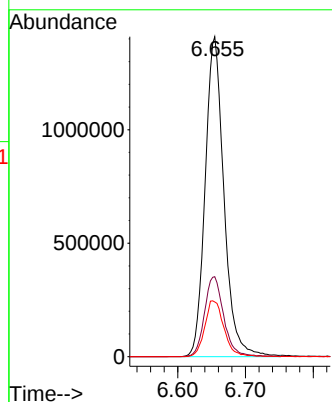
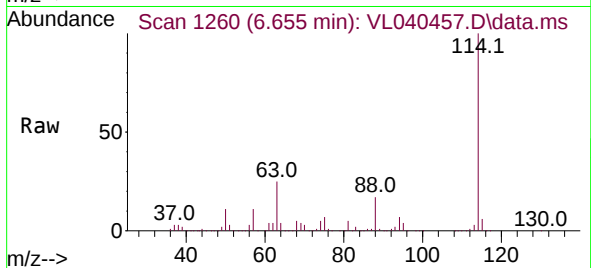




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

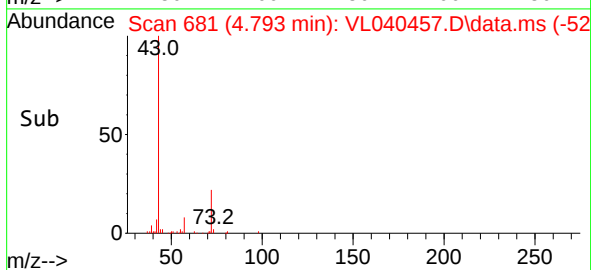
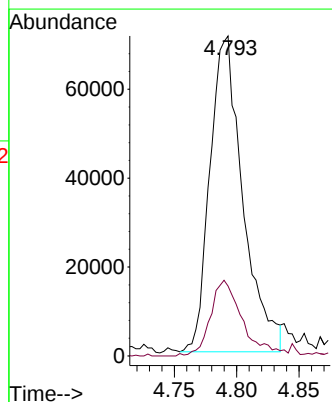
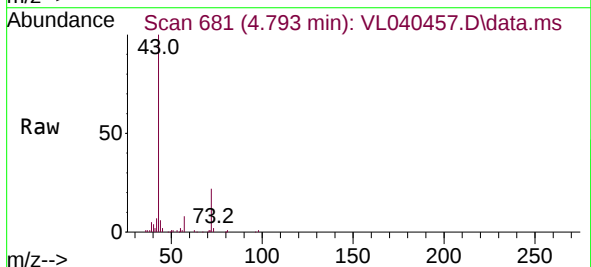
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

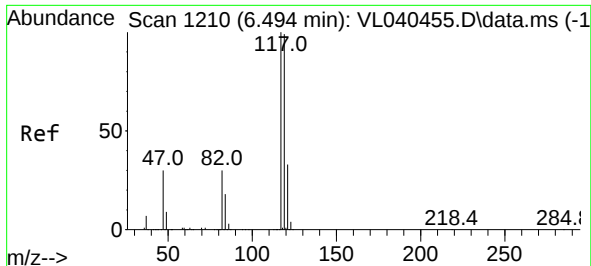
Tgt Ion:114 Resp: 2717884
Ion Ratio Lower Upper
114 100
63 25.8 21.0 31.6
88 17.9 14.5 21.7



#34
2-Butanone
Concen: 0.999 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.013 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 43 Resp: 130982
Ion Ratio Lower Upper
43 100
72 24.8 18.1 27.1

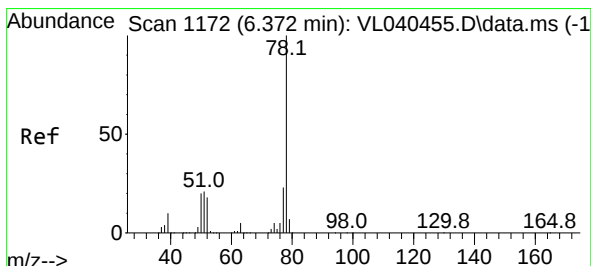
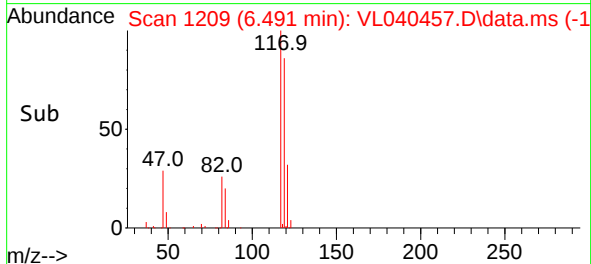
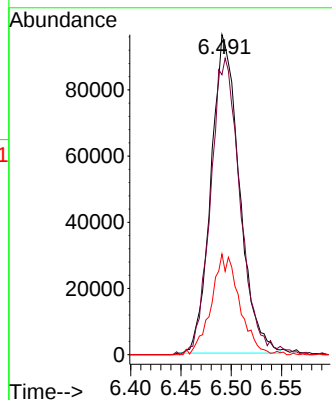
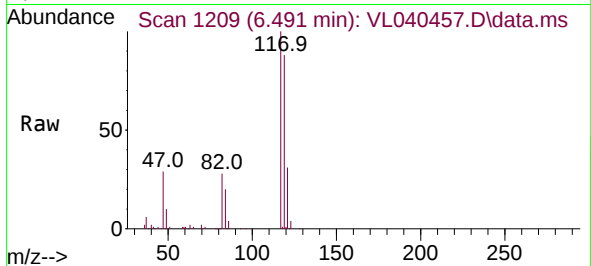




#35
Carbon Tetrachloride
Concen: 1.008 ppbv
RT: 6.491 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

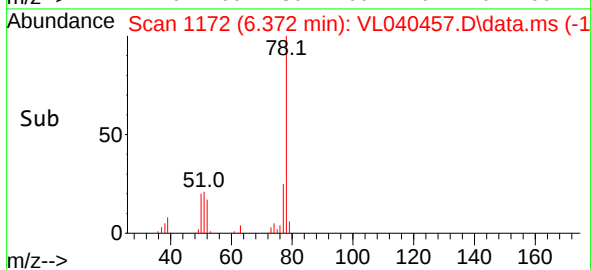
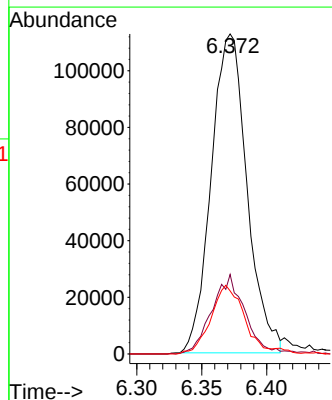
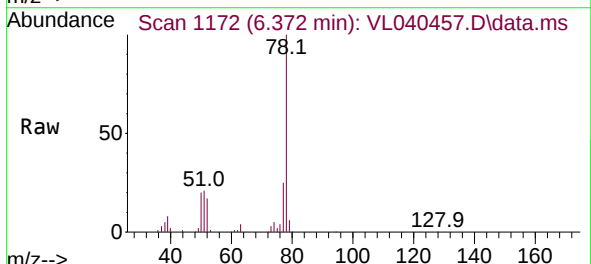
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

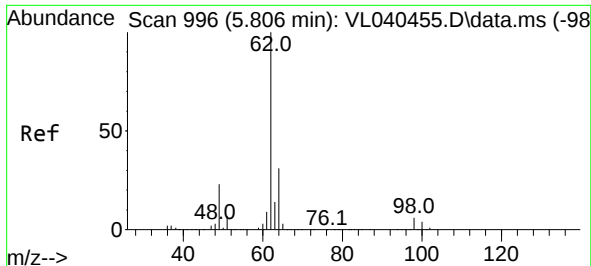
Tgt Ion:117 Resp: 188423
Ion Ratio Lower Upper
117 100
119 88.0 79.1 118.7
121 31.6 26.0 39.0



#36
Benzene
Concen: 0.998 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 78 Resp: 215719
Ion Ratio Lower Upper
78 100
77 24.7 18.5 27.7
50 19.3 16.1 24.1

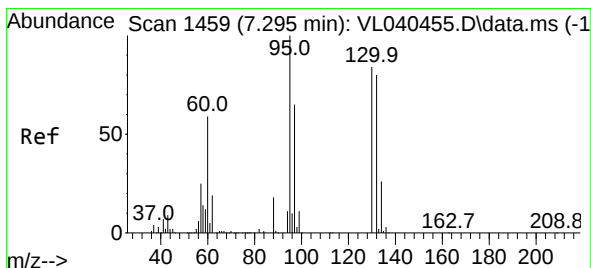
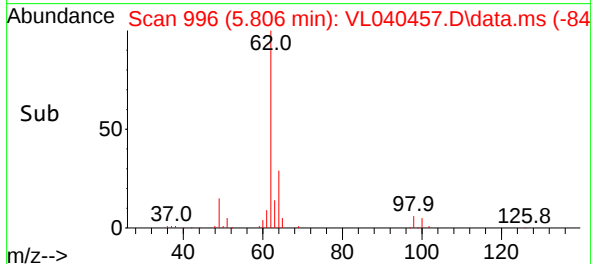
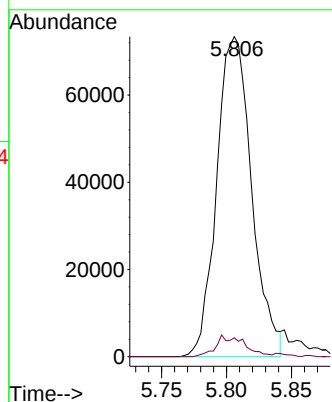
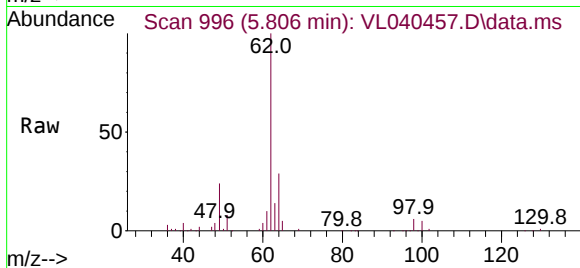




#37
1,2-Dichloroethane
Concen: 0.976 ppbv
RT: 5.806 min Scan# 996
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

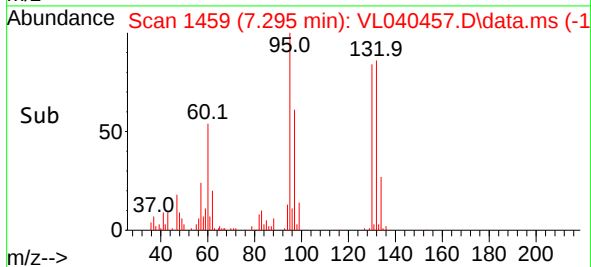
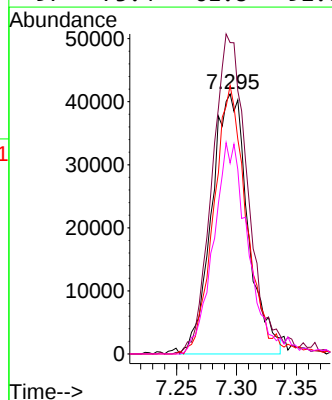
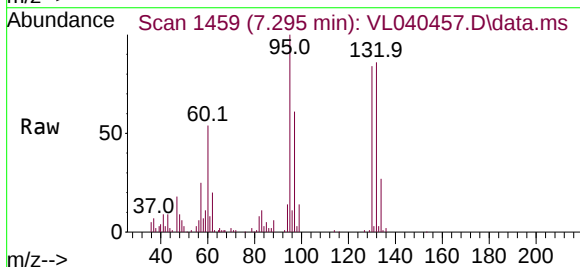
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

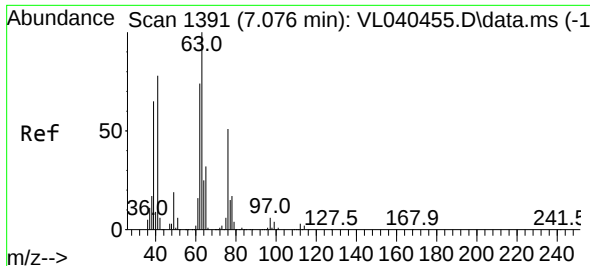
Tgt Ion: 62 Resp: 137510
Ion Ratio Lower Upper
62 100
98 6.0 4.6 6.8



#38
Trichloroethene
Concen: 1.044 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion:130 Resp: 86718
Ion Ratio Lower Upper
130 100
95 119.2 95.4 143.0
132 102.1 76.3 114.5
97 73.4 61.8 92.6





#39

1,2-Dichloropropane

Concen: 0.939 ppbv

RT: 7.073 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

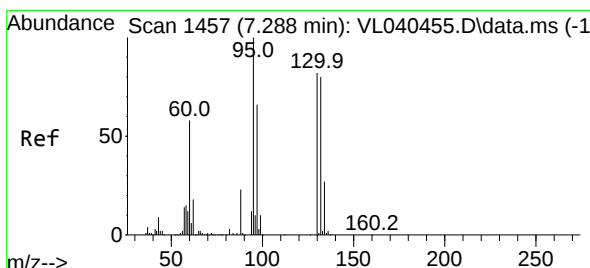
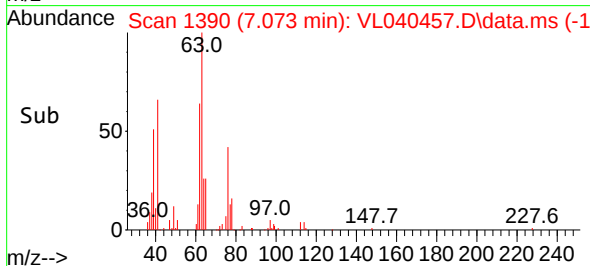
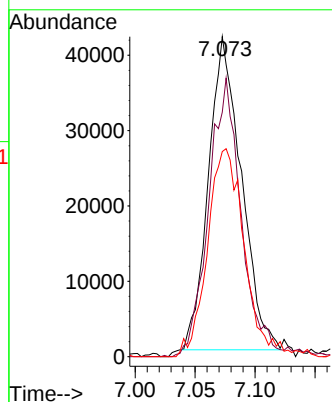
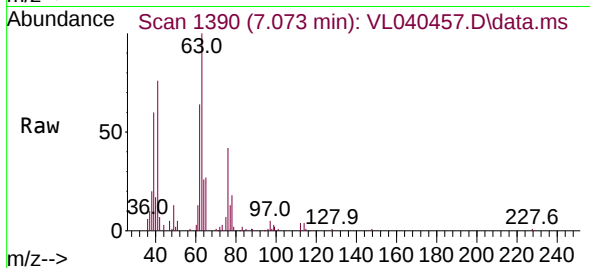
Tgt Ion: 63 Resp: 79226

Ion Ratio Lower Upper

63 100

41 76.5 62.2 93.2

62 63.9 59.0 88.4



#40

1,4-Dioxane

Concen: 0.010 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. -0.010 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Tgt Ion: 88 Resp: 225

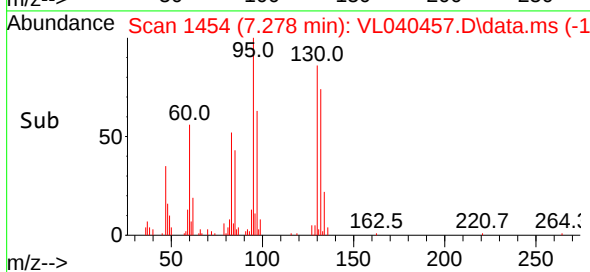
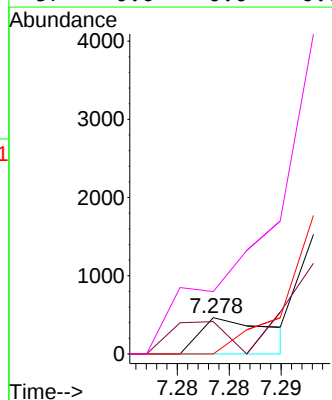
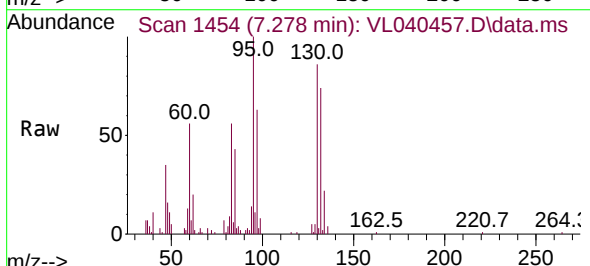
Ion Ratio Lower Upper

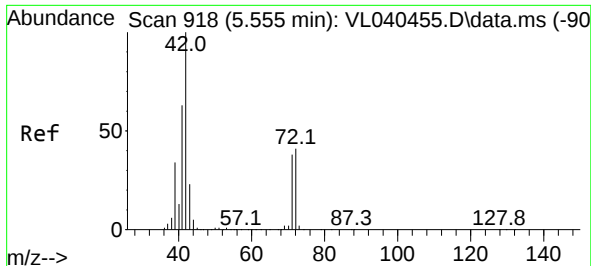
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.938 ppbv

RT: 5.574 min Scan# 918

Delta R.T. 0.019 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

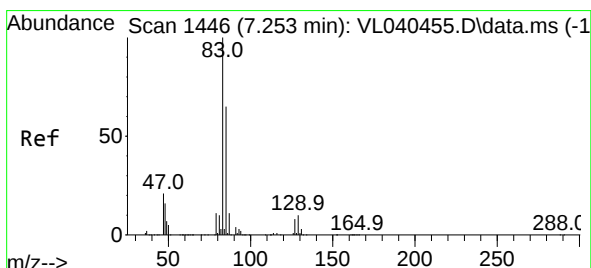
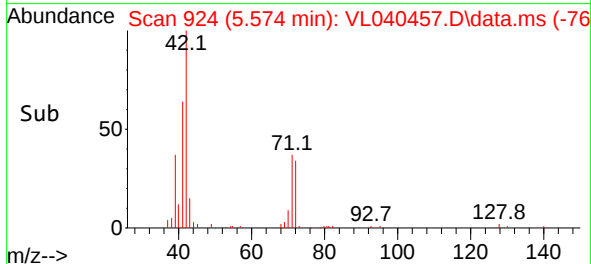
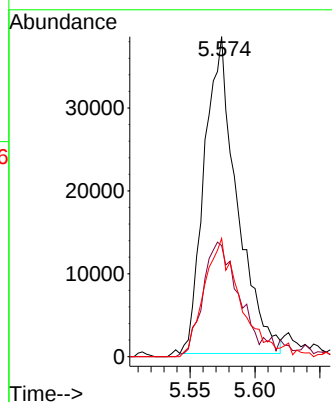
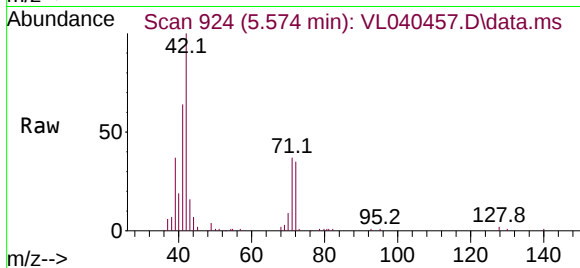
Tgt Ion: 42 Resp: 66738

Ion Ratio Lower Upper

42 100

72 45.1 33.8 50.8

71 43.1 32.3 48.5



#42

Bromodichloromethane

Concen: 1.016 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. -0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

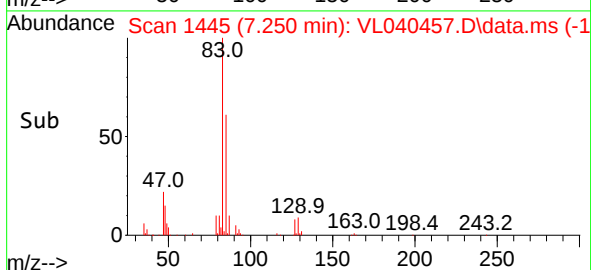
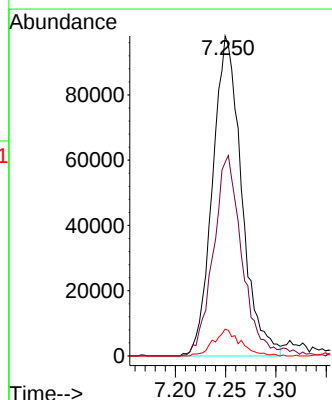
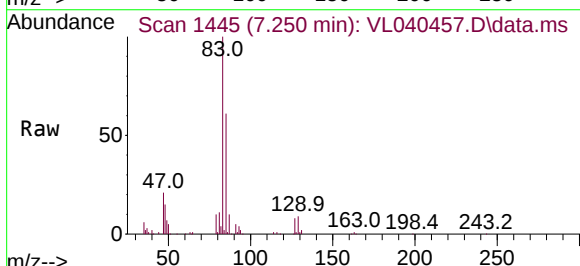
Tgt Ion: 83 Resp: 197108

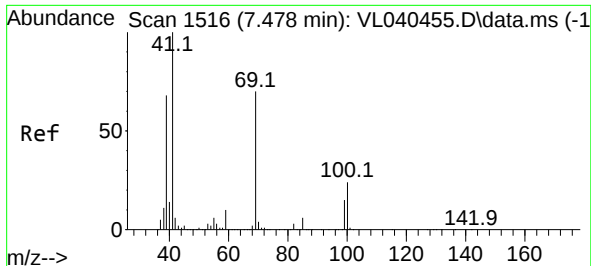
Ion Ratio Lower Upper

83 100

85 60.5 51.8 77.6

127 8.4 6.1 9.1

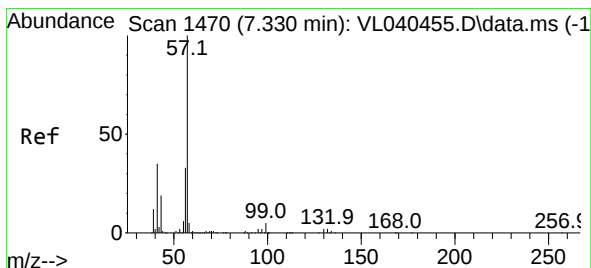
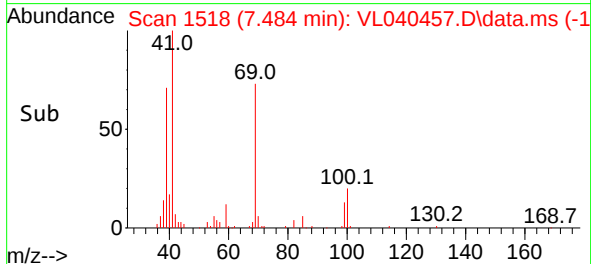
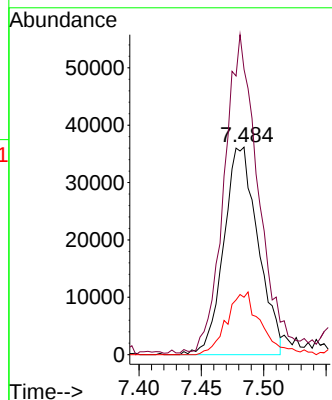
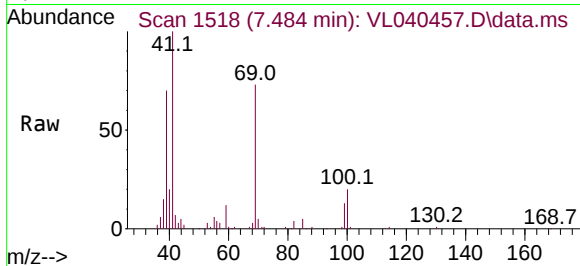




#43
Methyl Methacrylate
Concen: 0.893 ppbv
RT: 7.484 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

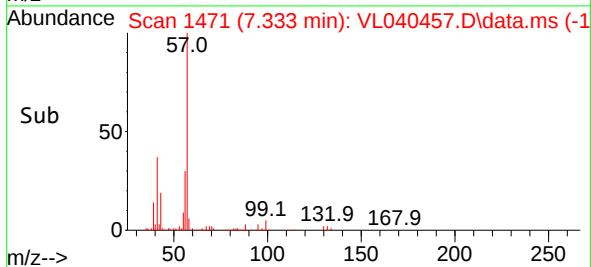
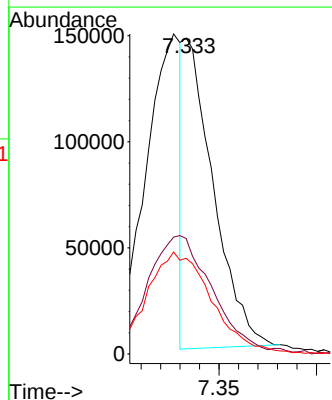
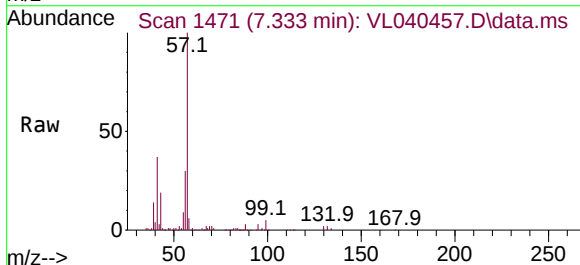
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

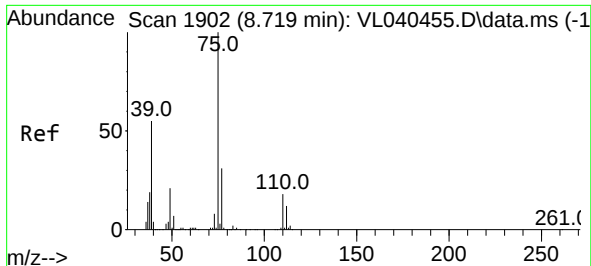
Tgt Ion: 69 Resp: 69341
Ion Ratio Lower Upper
69 100
41 156.9 114.3 171.5
100 30.5 25.4 38.2



#44
2,2,4-Trimethylpentane
Concen: 0.436 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 57 Resp: 154069
Ion Ratio Lower Upper
57 100
41 86.5 27.8 41.8#
56 0.0 25.3 37.9#





#45

t-1,3-Dichloropropene

Concen: 0.784 ppbv

RT: 8.716 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

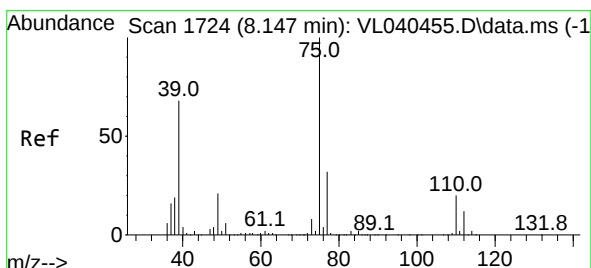
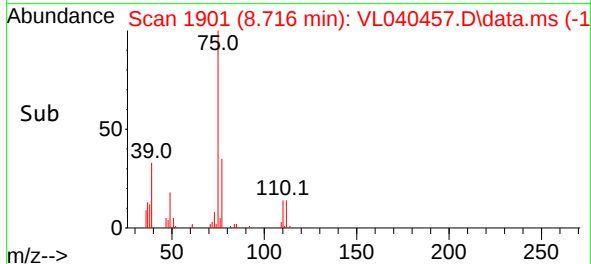
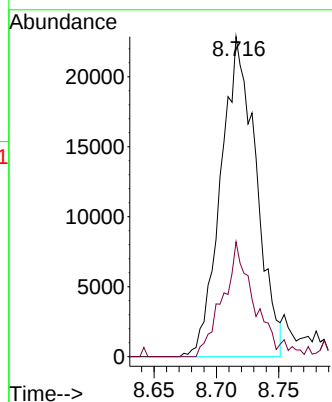
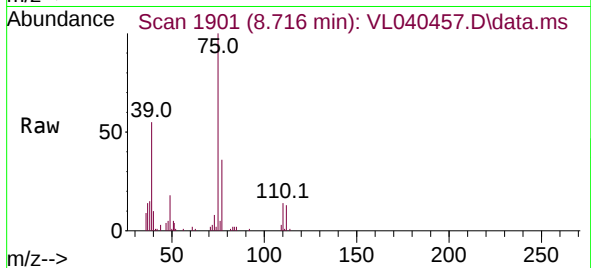
VSTDIC001

Tgt Ion: 75 Resp: 45058

Ion Ratio Lower Upper

75 100

77 35.9 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.501 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

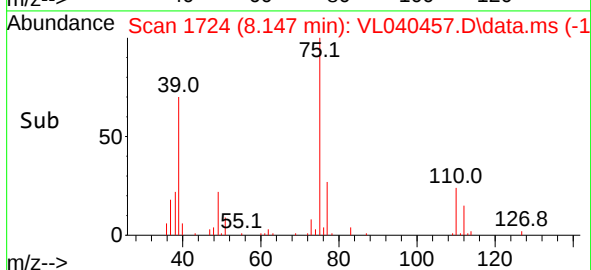
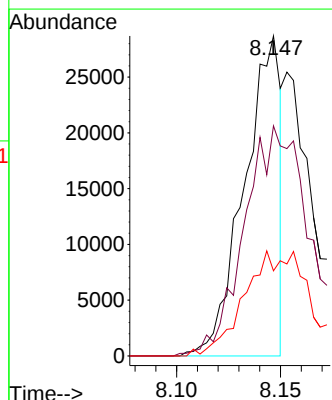
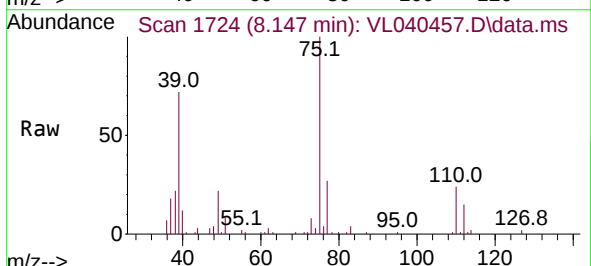
Tgt Ion: 75 Resp: 34737

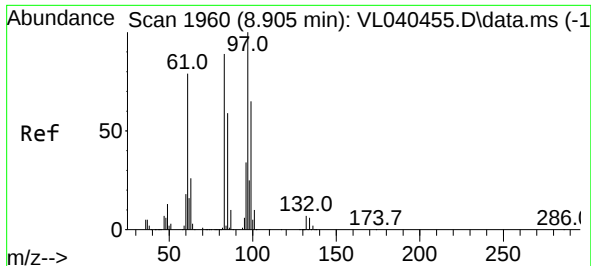
Ion Ratio Lower Upper

75 100

39 71.1 54.2 81.4

77 26.6 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 0.977 ppbv

RT: 8.902 min Scan# 1960

Delta R.T. -0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 89384

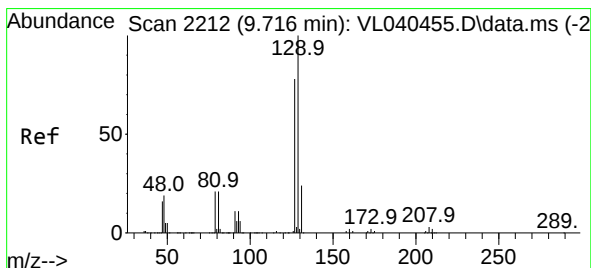
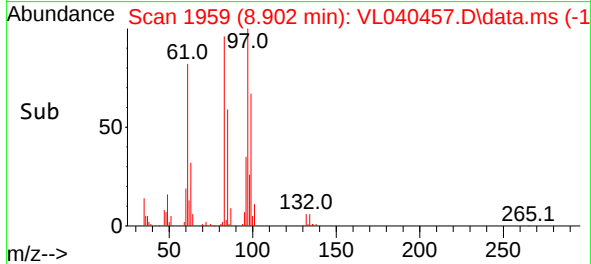
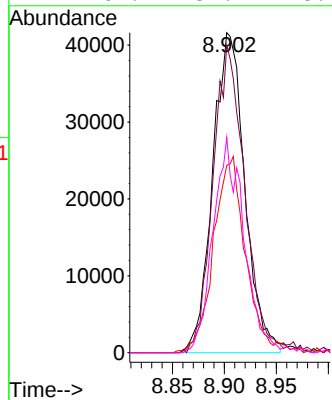
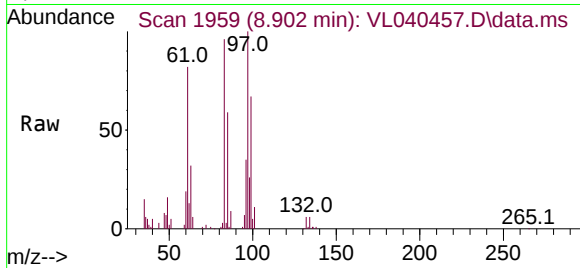
Ion Ratio Lower Upper

97 100

83 96.1 71.4 107.2

85 57.8 47.2 70.8

99 67.2 52.1 78.1



#48

Dibromochloromethane

Concen: 0.940 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. -0.000 min

Lab File: VL040457.D

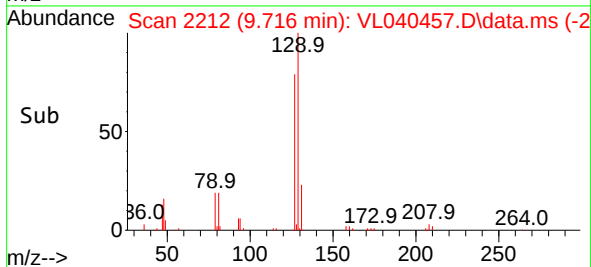
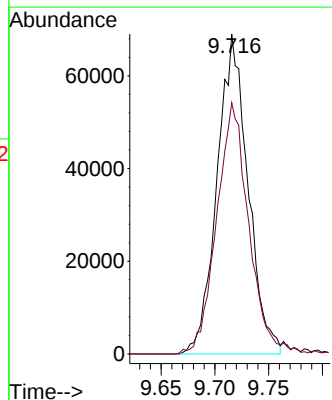
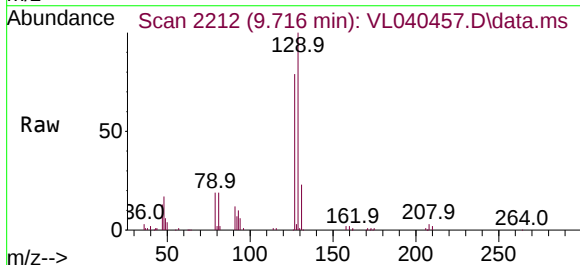
Acq: 5 Jun 2023 15:27

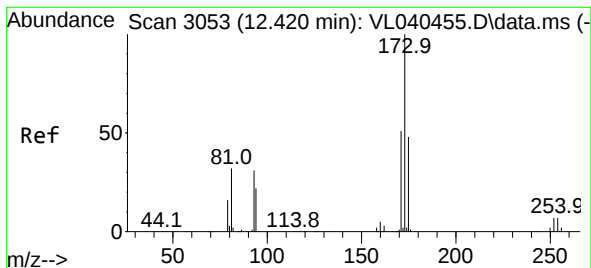
Tgt Ion: 129 Resp: 137669

Ion Ratio Lower Upper

129 100

127 82.1 39.4 118.1





#49

Bromoform

Concen: 0.919 ppbv

RT: 12.413 min Scan# 3051

Delta R.T. -0.006 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

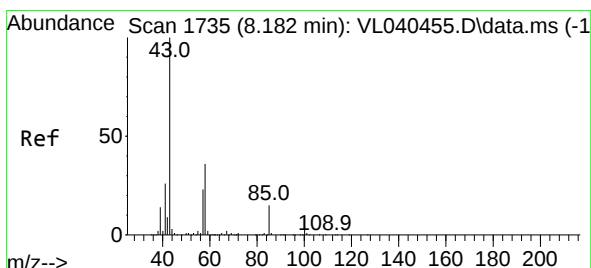
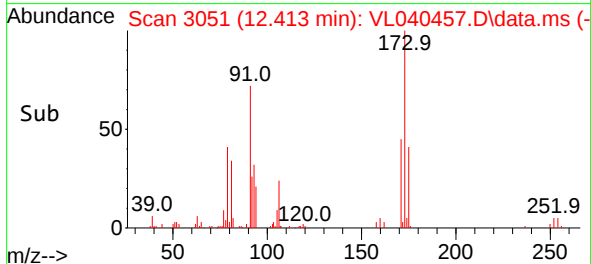
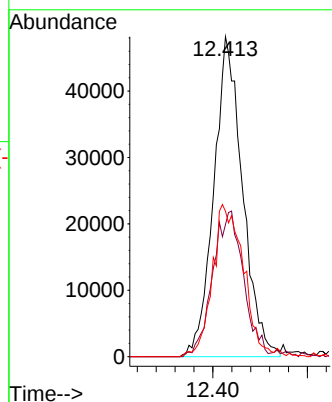
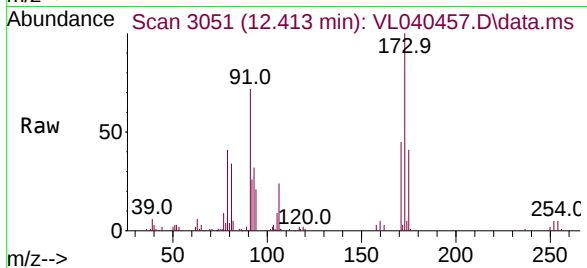
Tgt Ion:173 Resp: 101516

Ion Ratio Lower Upper

173 100

175 50.2 39.2 58.8

171 51.9 42.2 63.2



#50

4-Methyl-2-Pentanone

Concen: 0.937 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.016 min

Lab File: VL040457.D

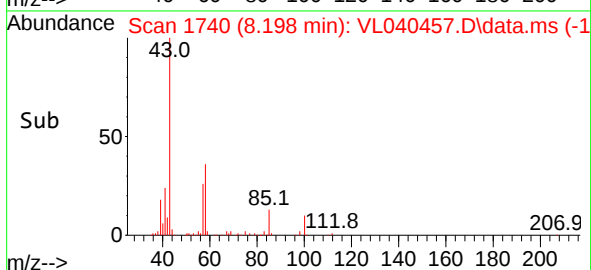
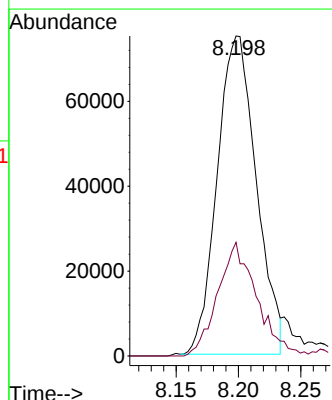
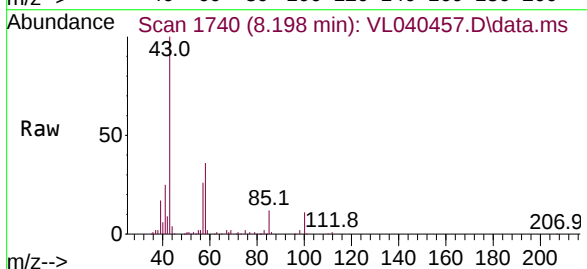
Acq: 5 Jun 2023 15:27

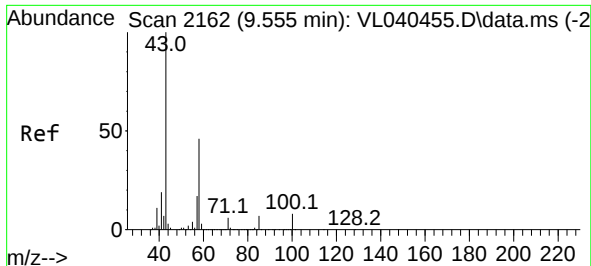
Tgt Ion: 43 Resp: 163680

Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.4

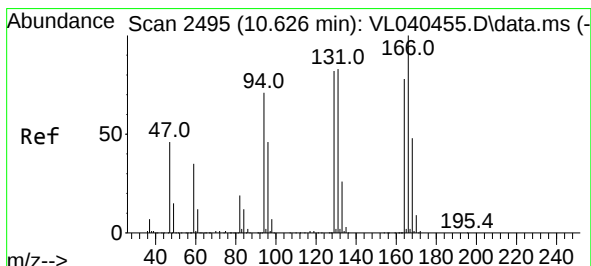
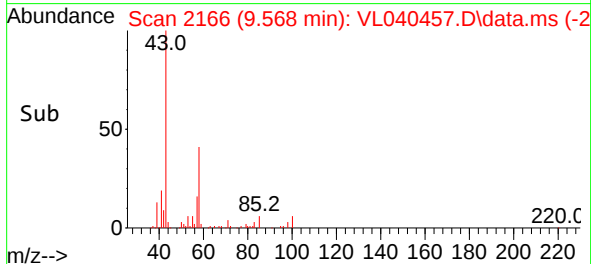
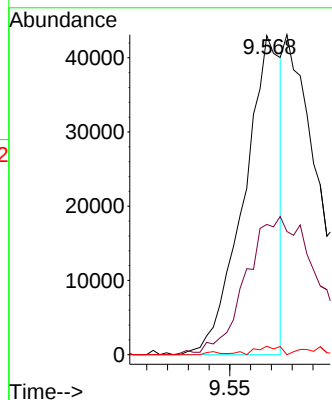
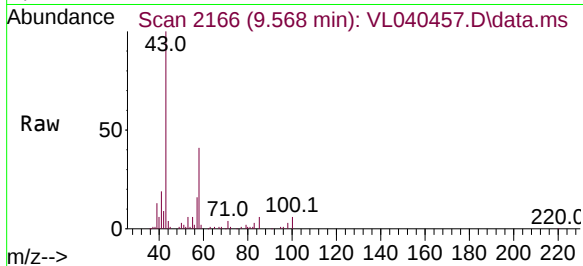




#51
2-Hexanone
Concen: 0.436 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.013 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

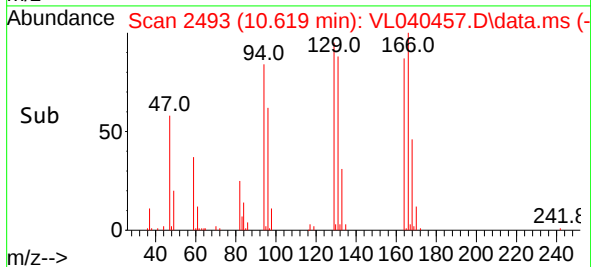
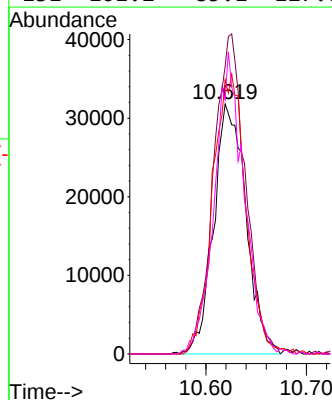
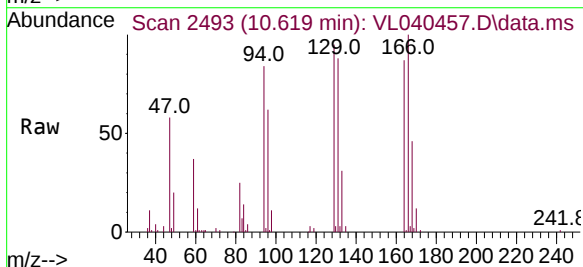
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

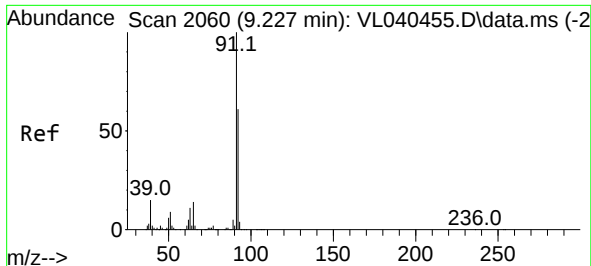
Tgt Ion: 43 Resp: 52805
Ion Ratio Lower Upper
43 100
58 0.0 37.1 55.7#
98 3.9 0.5 0.7#



#52
Tetrachloroethene
Concen: 1.046 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.006 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 164 Resp: 70998
Ion Ratio Lower Upper
164 100
166 115.1 102.7 154.1
129 109.7 84.6 126.8
131 101.2 85.1 127.7

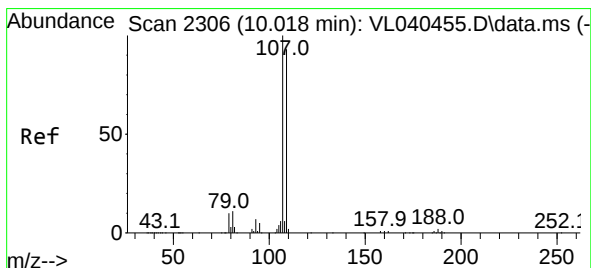
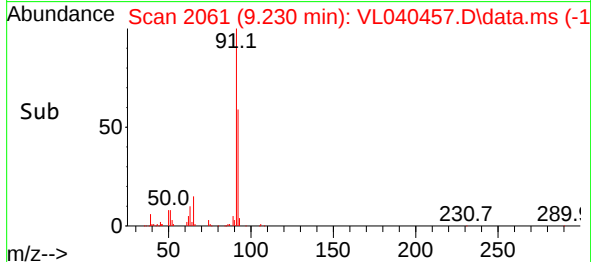
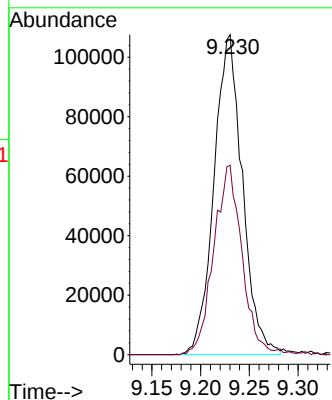
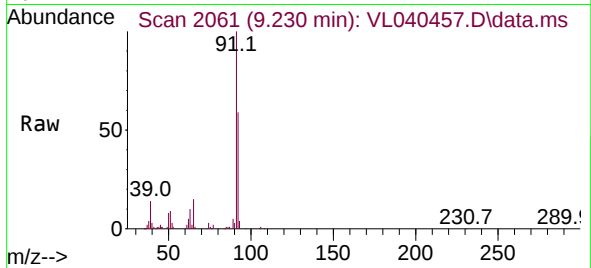




#53
Toluene
Concen: 0.957 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

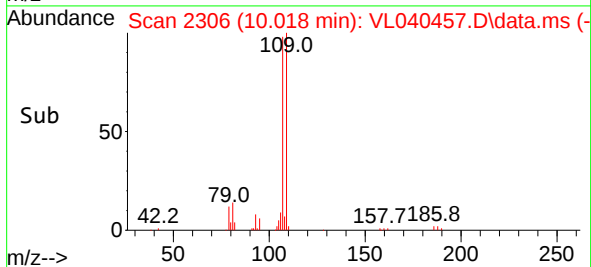
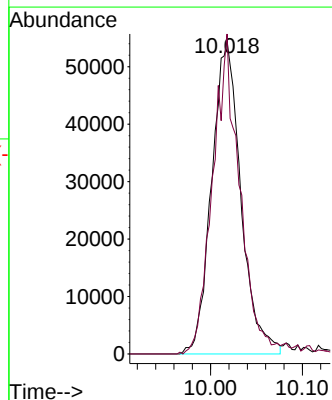
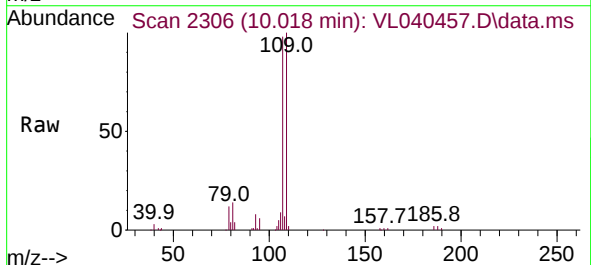
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

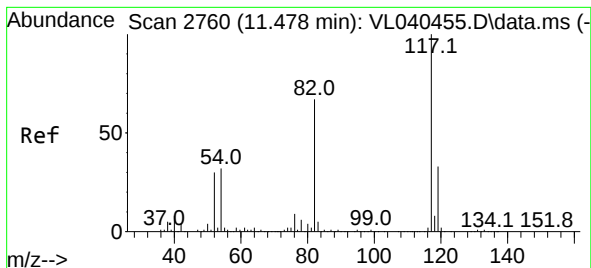
Tgt Ion: 91 Resp: 217816
Ion Ratio Lower Upper
91 100
92 59.5 49.1 73.7



#54
1,2-Dibromoethane
Concen: 1.000 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 107 Resp: 120382
Ion Ratio Lower Upper
107 100
109 101.6 74.5 111.7

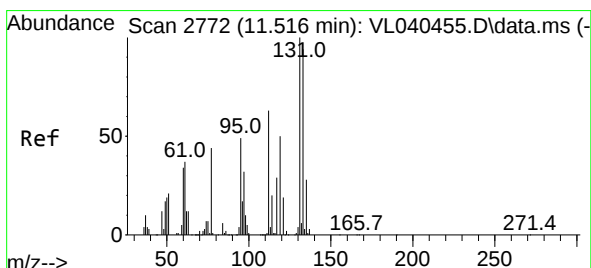
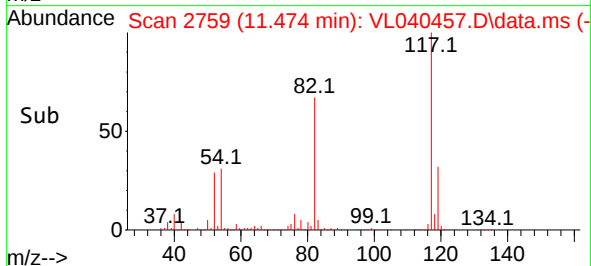
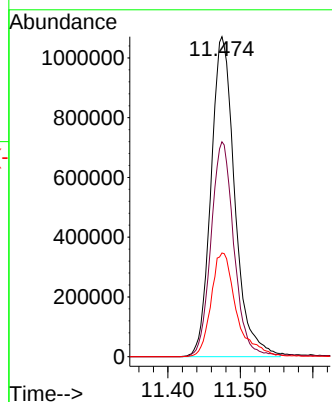
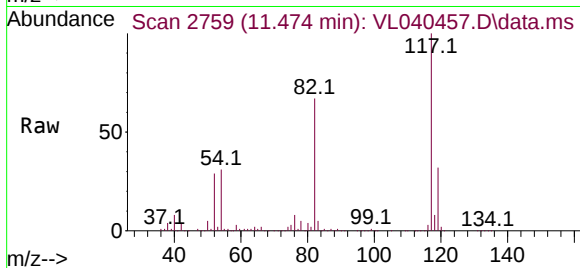




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

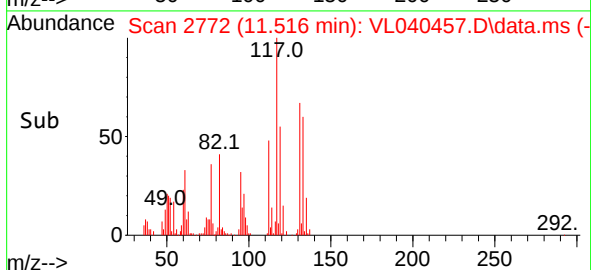
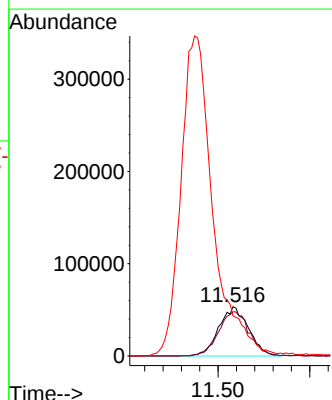
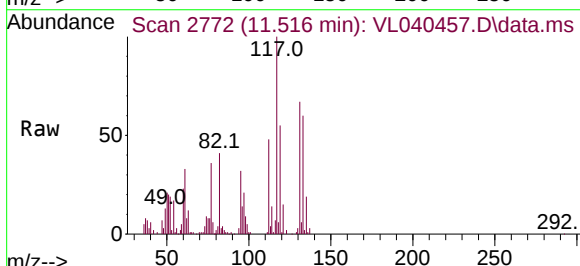
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

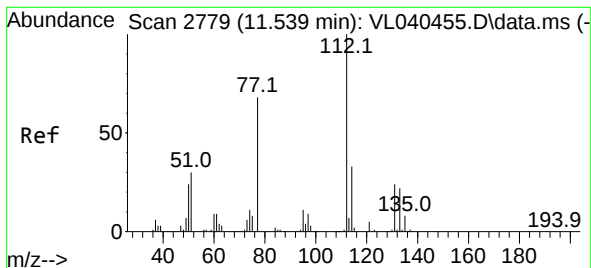
Tgt Ion:117 Resp: 2439425
Ion Ratio Lower Upper
117 100
82 65.5 53.0 79.4
119 34.8 24.4 36.6



#56
1,1,1,2-Tetrachloroethane
Concen: 1.044 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion:131 Resp: 119727
Ion Ratio Lower Upper
131 100
133 93.0 75.7 113.5
119 708.3 51.4 77.2#





#57

Chlorobenzene

Concen: 1.010 ppbv

RT: 11.536 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

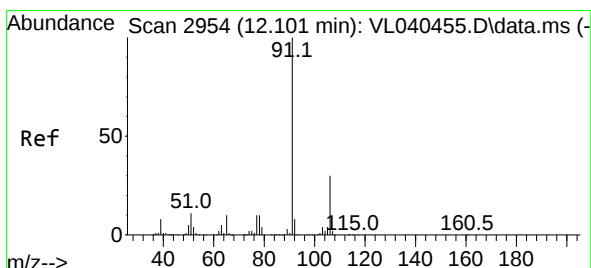
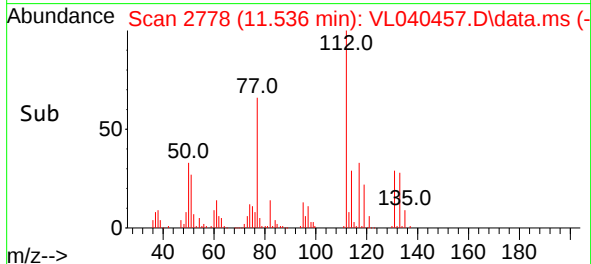
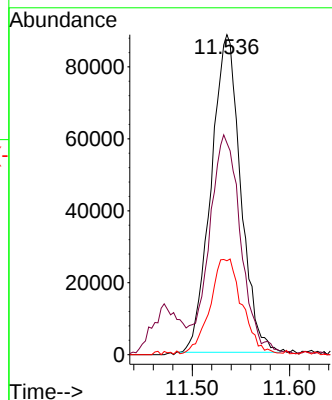
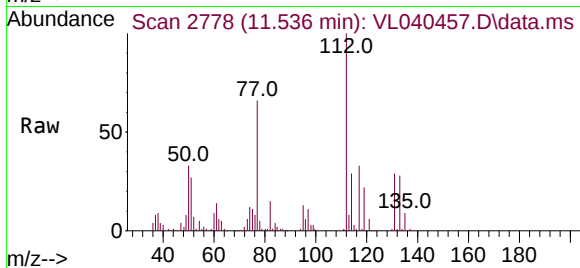
Tgt Ion:112 Resp: 186268

Ion Ratio Lower Upper

112 100

77 65.5 55.4 83.2

114 29.3 30.0 36.6#



#58

Ethyl Benzene

Concen: 0.493 ppbv

RT: 12.095 min Scan# 2952

Delta R.T. -0.006 min

Lab File: VL040457.D

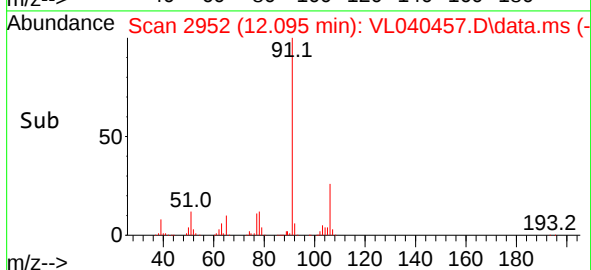
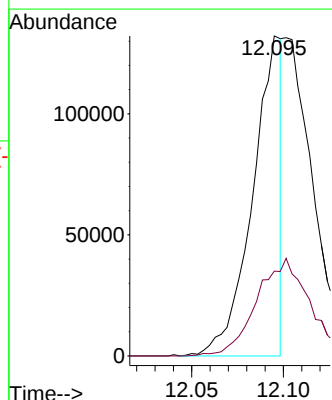
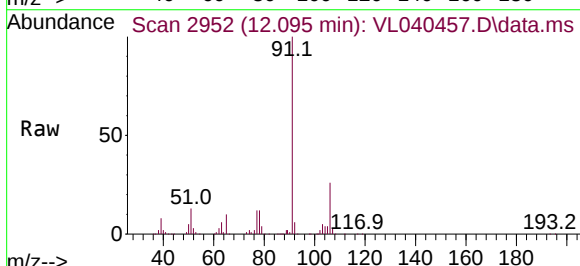
Acq: 5 Jun 2023 15:27

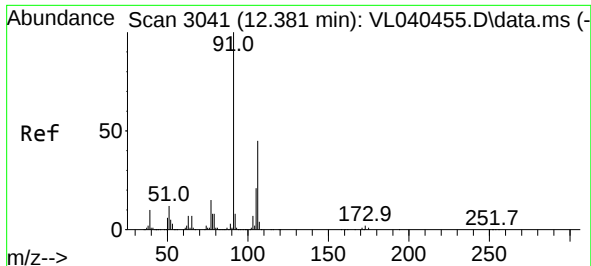
Tgt Ion: 91 Resp: 145731

Ion Ratio Lower Upper

91 100

106 26.5 23.7 35.5





#59

m/p-Xylene

Concen: 0.281 ppbv

RT: 12.375 min Scan# 3041

Delta R.T. -0.006 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

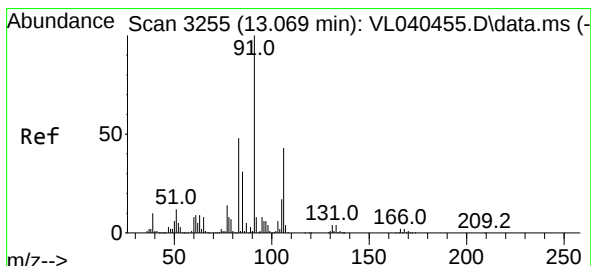
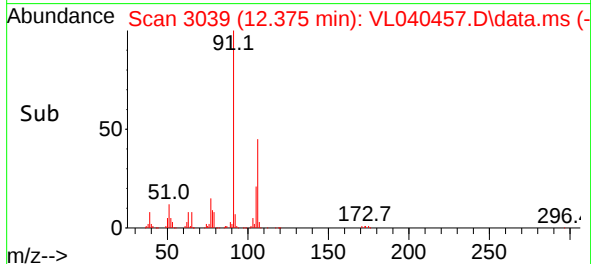
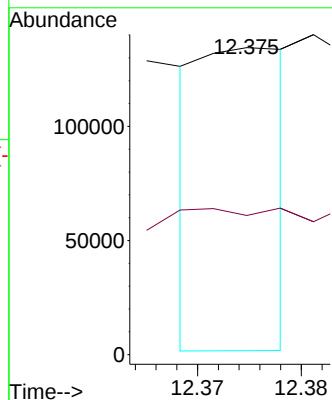
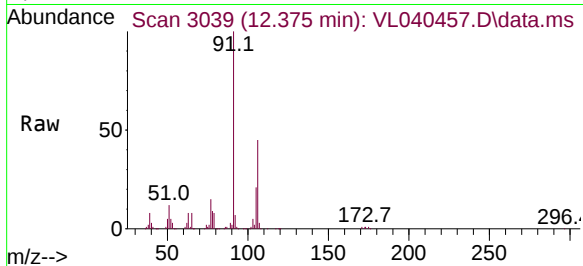
VSTDIC001

Tgt Ion: 91 Resp: 76225

Ion Ratio Lower Upper

91 100

106 0.0 34.6 52.0#



#60

o-Xylene

Concen: 1.009 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VL040457.D

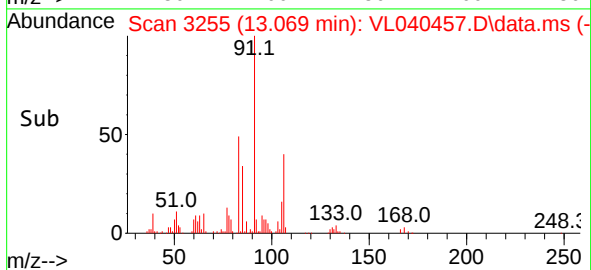
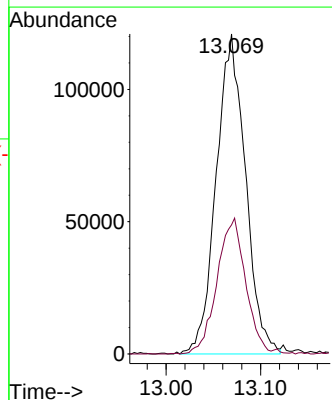
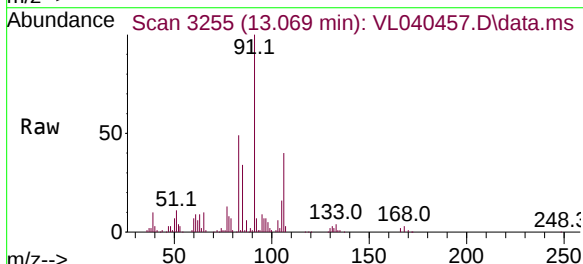
Acq: 5 Jun 2023 15:27

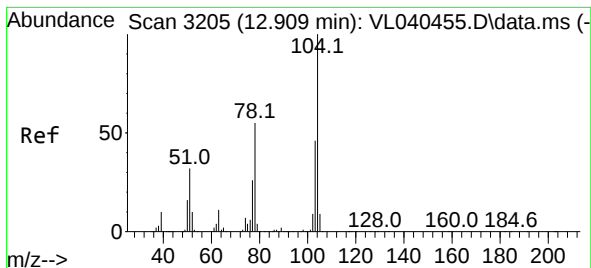
Tgt Ion: 91 Resp: 260028

Ion Ratio Lower Upper

91 100

106 42.0 22.1 66.1





#61

Styrene

Concen: 0.869 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

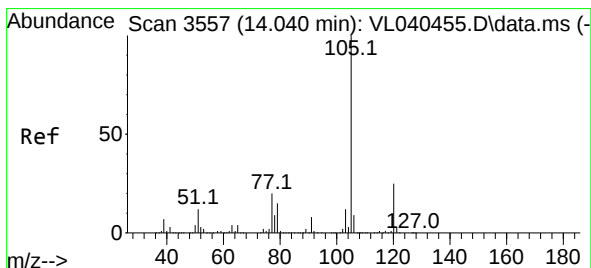
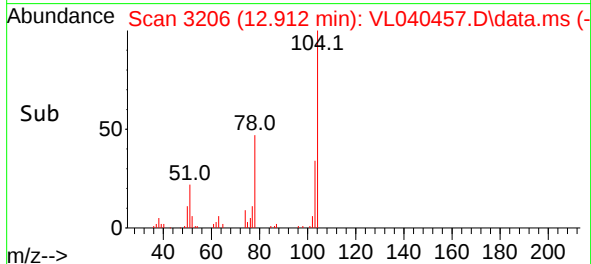
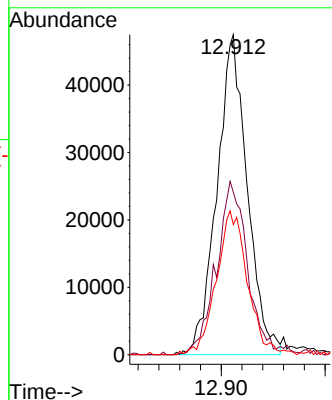
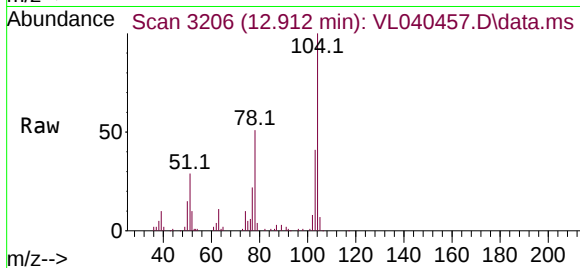
Tgt Ion:104 Resp: 96299

Ion Ratio Lower Upper

104 100

78 56.4 43.1 64.7

103 46.3 37.1 55.7



#62

Isopropylbenzene

Concen: 1.006 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL040457.D

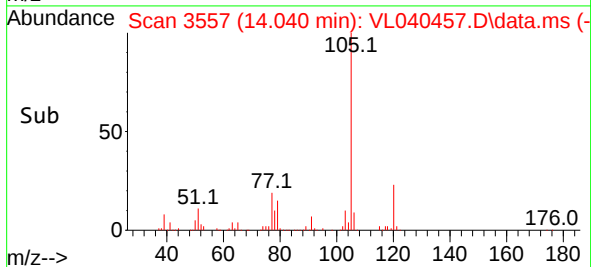
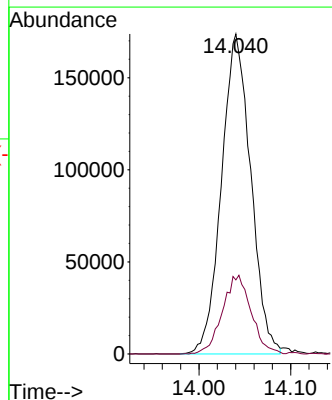
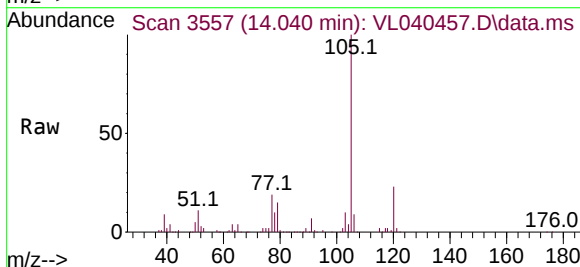
Acq: 5 Jun 2023 15:27

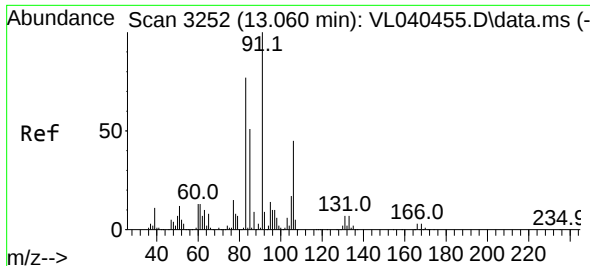
Tgt Ion:105 Resp: 385291

Ion Ratio Lower Upper

105 100

120 24.4 20.2 30.4

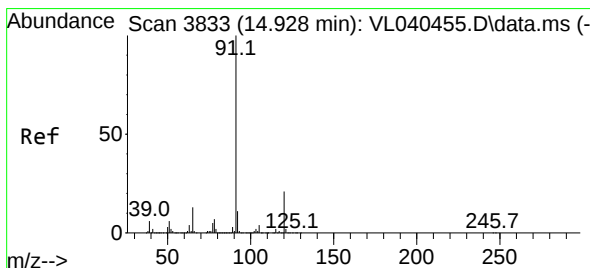
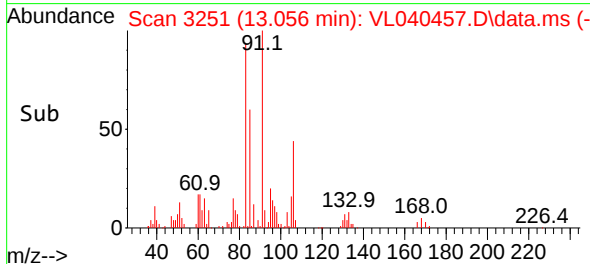
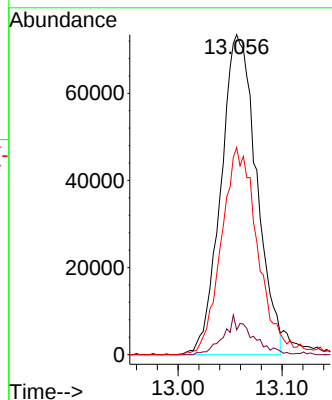
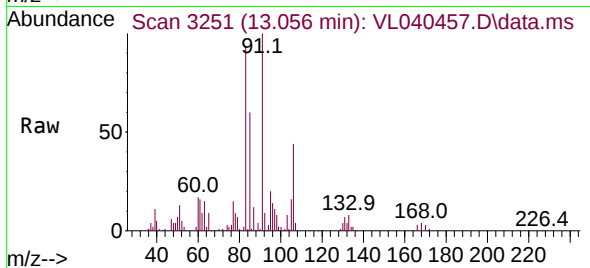




#63
1,1,2,2-Tetrachloroethane
Concen: 1.034 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

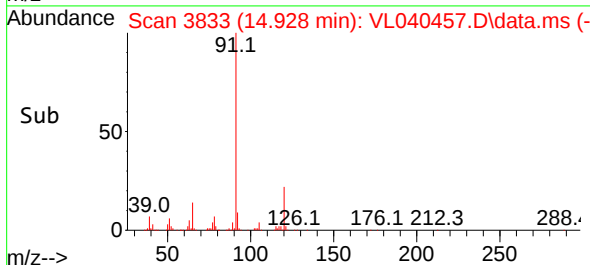
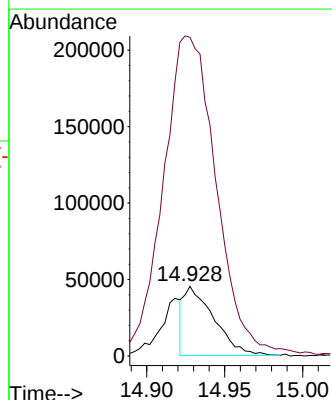
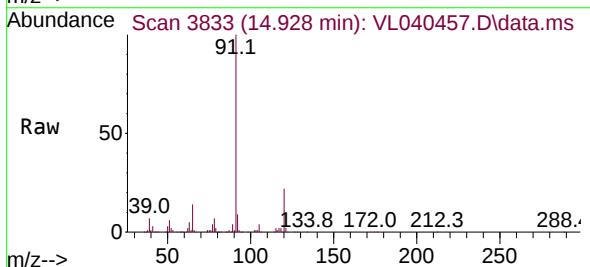
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

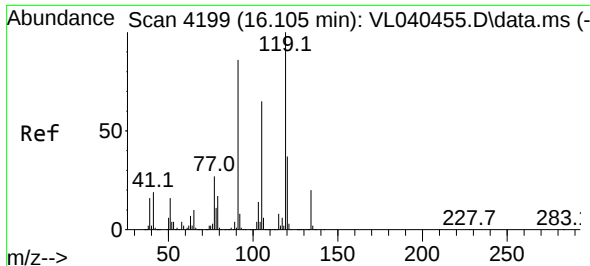
Tgt Ion: 83 Resp: 174871
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.7
85 67.6 33.0 99.0



#64
n-propylbenzene
Concen: 0.672 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.000 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion:120 Resp: 60308
Ion Ratio Lower Upper
120 100
91 815.4 388.5 582.7#

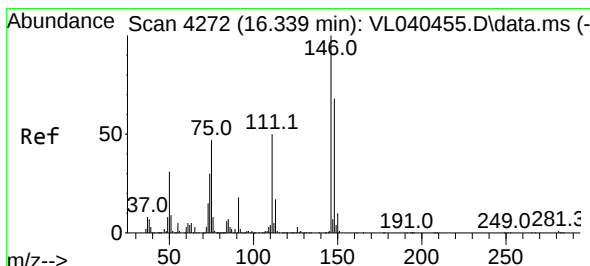
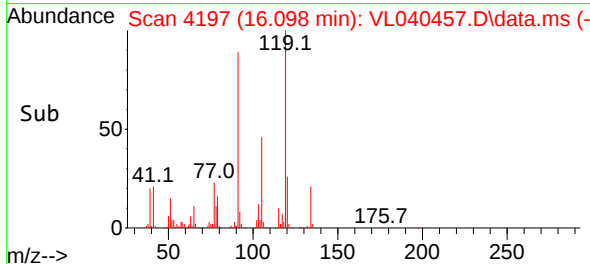
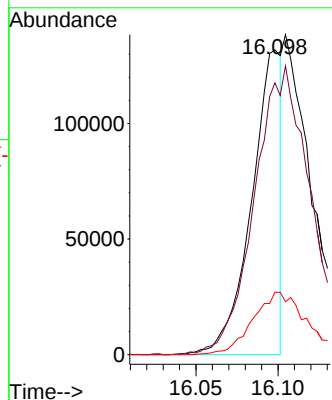
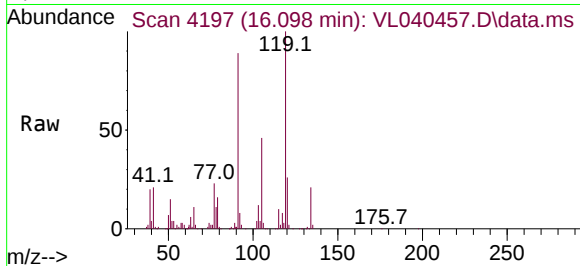




#65
tert-Butylbenzene
Concen: 0.500 ppbv
RT: 16.098 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

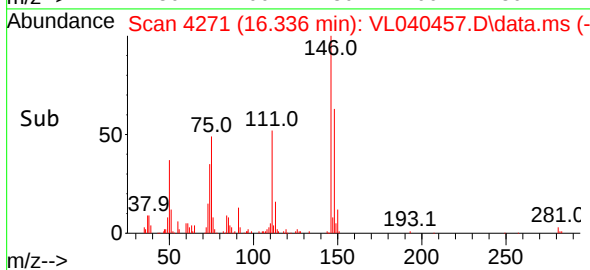
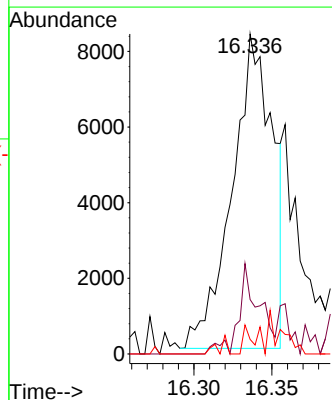
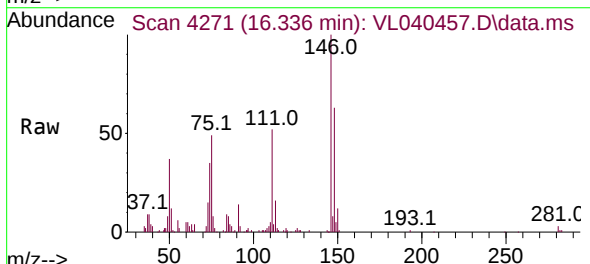
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

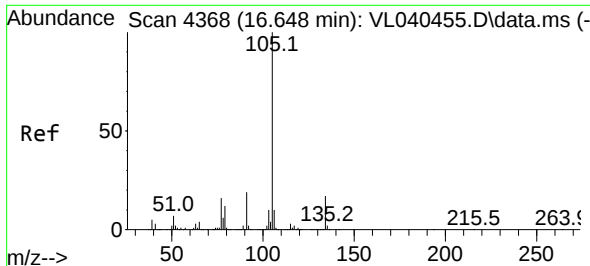
Tgt Ion:119 Resp: 165715
Ion Ratio Lower Upper
119 100
91 0.0 70.5 105.7#
134 37.8 15.6 23.4#



#66
Benzyl Chloride
Concen: 0.613 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion: 91 Resp: 15057
Ion Ratio Lower Upper
91 100
126 24.2 13.2 19.8#
128 0.0 4.6 6.8#

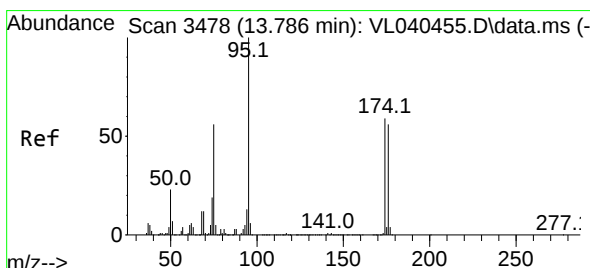
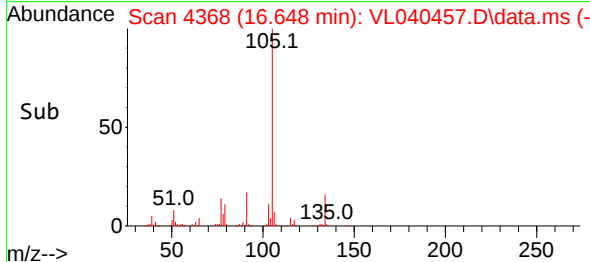
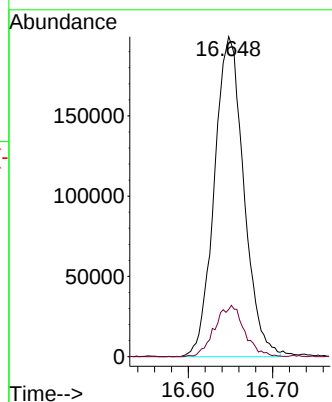
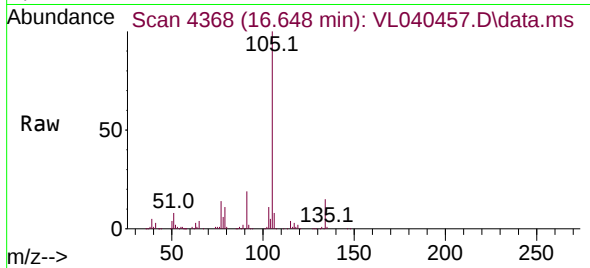




#67
 sec-Butylbenzene
 Concen: 1.011 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

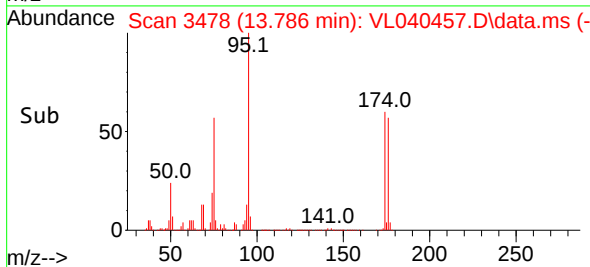
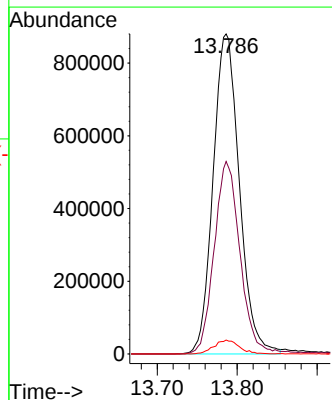
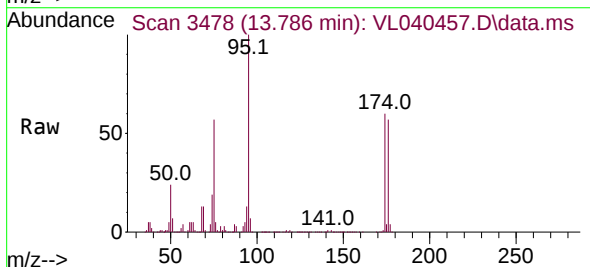
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

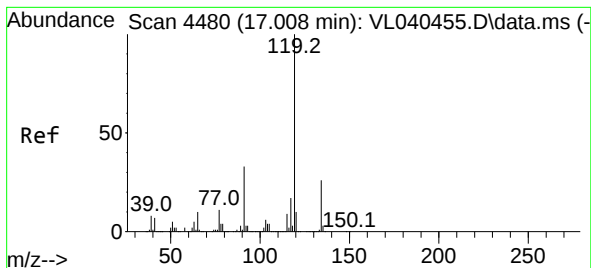
Tgt Ion:105 Resp: 484301
 Ion Ratio Lower Upper
 105 100
 134 16.3 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.968 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion: 95 Resp: 2006939
 Ion Ratio Lower Upper
 95 100
 174 60.0 47.7 71.5
 175 4.3 3.5 5.3





#69

p-Isopropyltoluene

Concen: 1.002 ppbv

RT: 17.008 min Scan# 4480

Delta R.T. -0.000 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

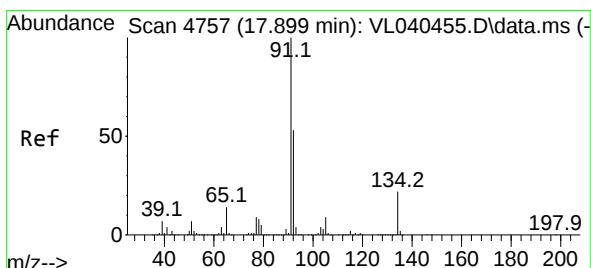
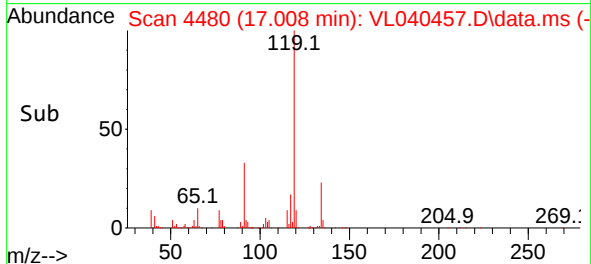
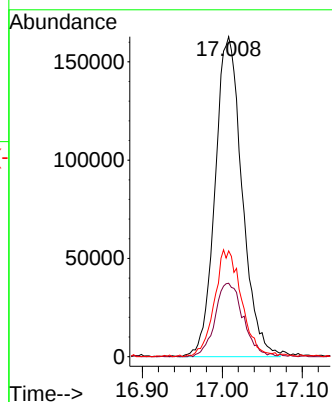
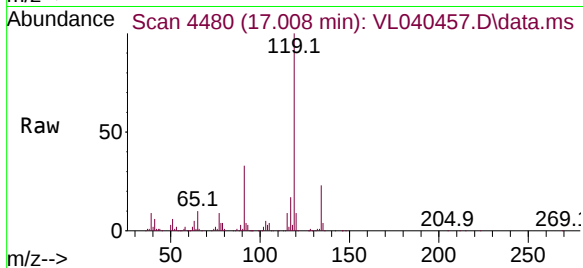
Tgt Ion:119 Resp: 381218

Ion Ratio Lower Upper

119 100

134 24.2 20.3 30.5

91 34.0 25.5 38.3



#70

n-Butylbenzene

Concen: 1.007 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

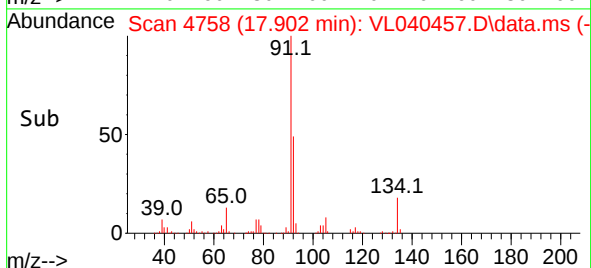
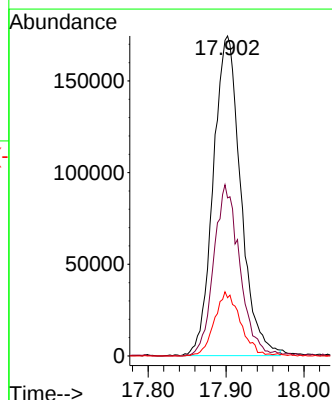
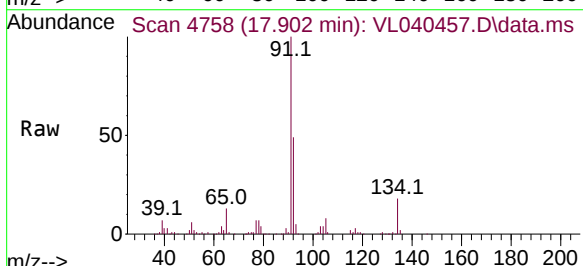
Tgt Ion: 91 Resp: 427871

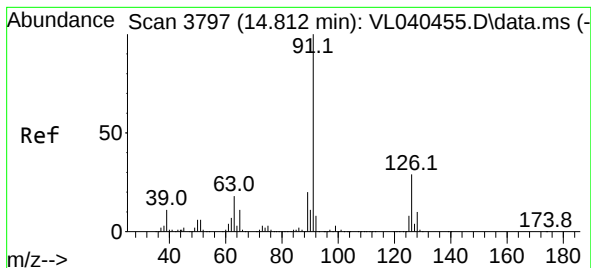
Ion Ratio Lower Upper

91 100

92 51.5 42.7 64.1

134 19.3 16.9 25.3





#71

2-Chlorotoluene

Concen: 0.966 ppbv

RT: 14.815 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_1

ClientSampleId :

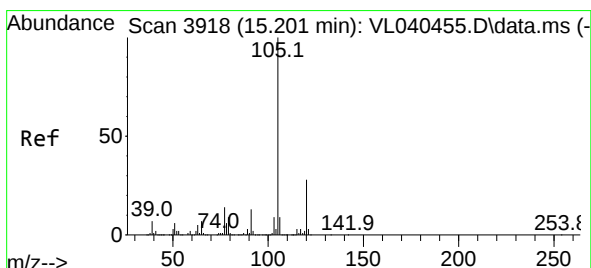
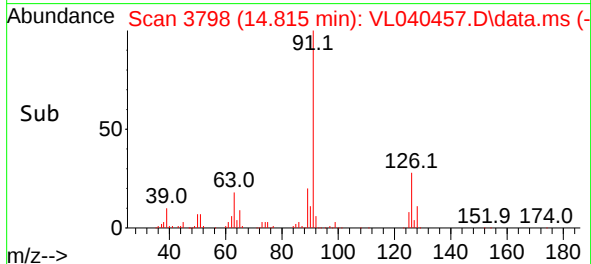
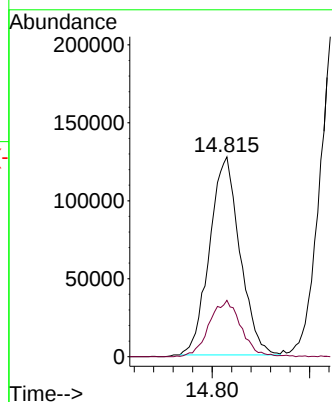
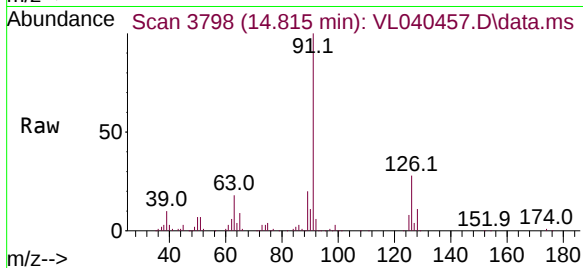
VSTDICC001

Tgt Ion: 91 Resp: 274836

Ion Ratio Lower Upper

91 100

126 30.1 12.0 48.2



#72

4-Ethyltoluene

Concen: 0.961 ppbv

RT: 15.204 min Scan# 3919

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Tgt Ion: 105 Resp: 278957

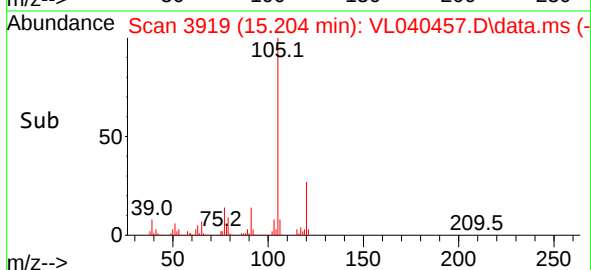
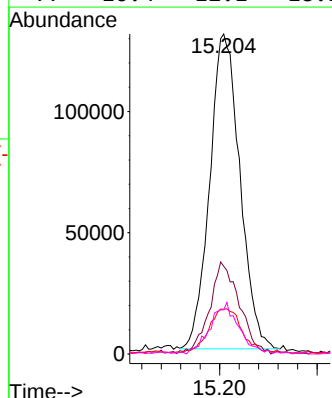
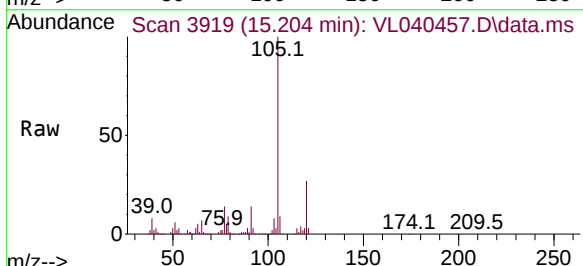
Ion Ratio Lower Upper

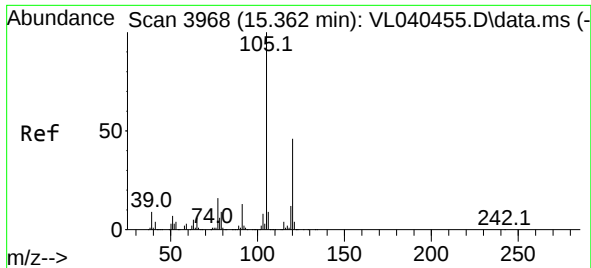
105 100

120 29.2 23.4 35.0

91 15.8 11.1 16.7

77 16.4 12.1 18.1

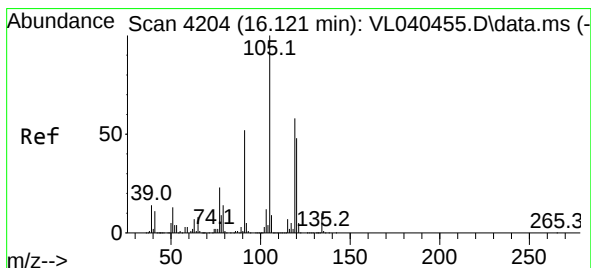
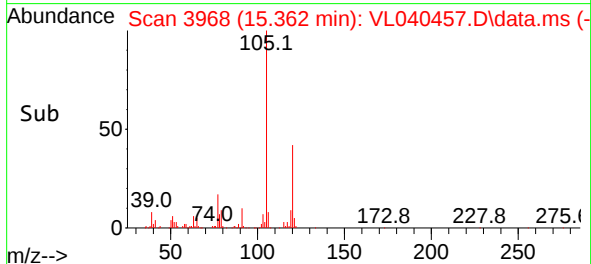
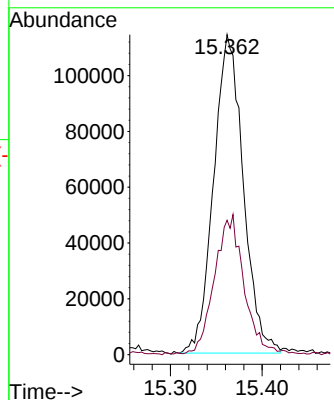
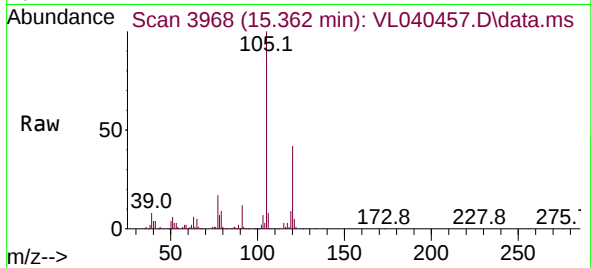




#73
 1,3,5-Trimethylbenzene
 Concen: 0.997 ppbv
 RT: 15.362 min Scan# 3968
 Delta R.T. -0.000 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

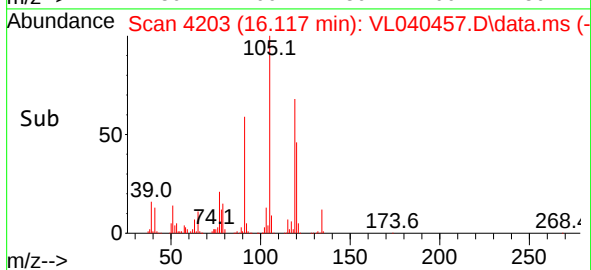
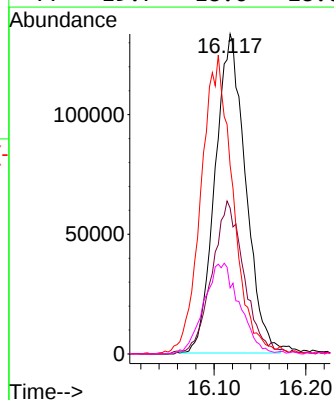
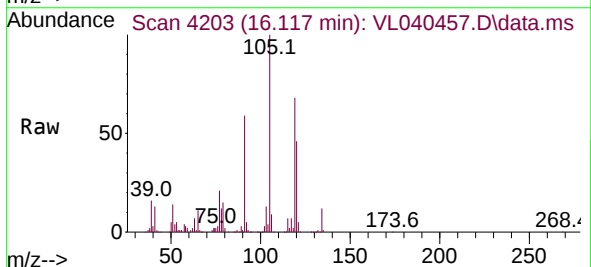
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

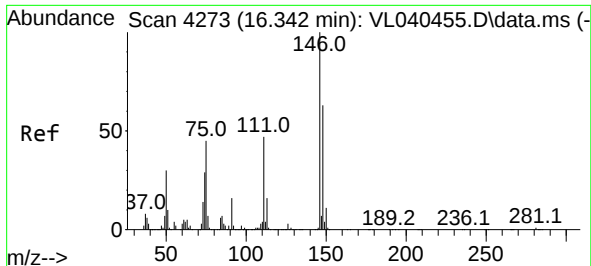
Tgt Ion:105 Resp: 255790
 Ion Ratio Lower Upper
 105 100
 120 41.8 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 1.018 ppbv
 RT: 16.117 min Scan# 4203
 Delta R.T. -0.003 min
 Lab File: VL040457.D
 Acq: 5 Jun 2023 15:27

Tgt Ion:105 Resp: 307312
 Ion Ratio Lower Upper
 105 100
 120 44.8 38.4 57.6
 91 56.7 41.3 61.9
 77 19.7 18.6 28.0

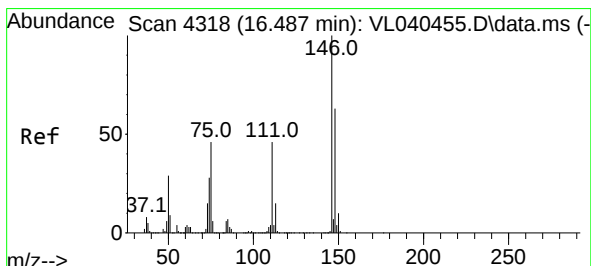
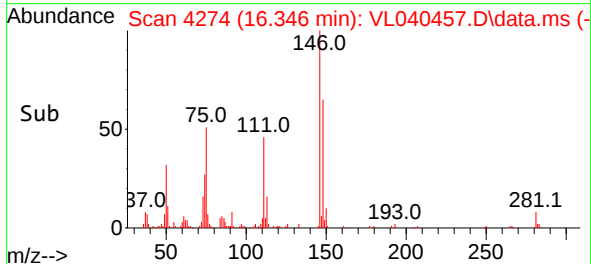
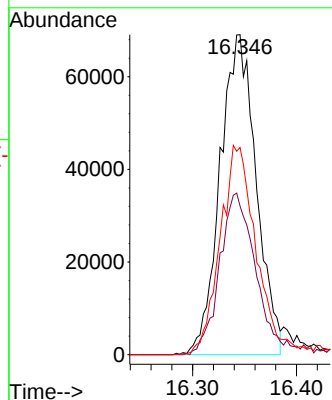
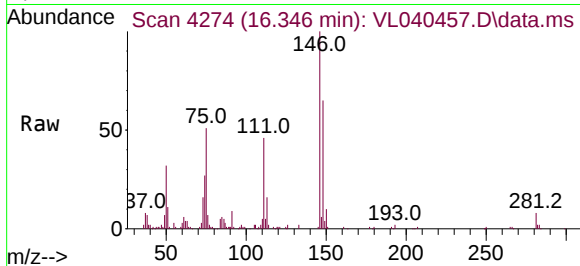




#75
1,3-Dichlorobenzene
Concen: 0.987 ppbv
RT: 16.346 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

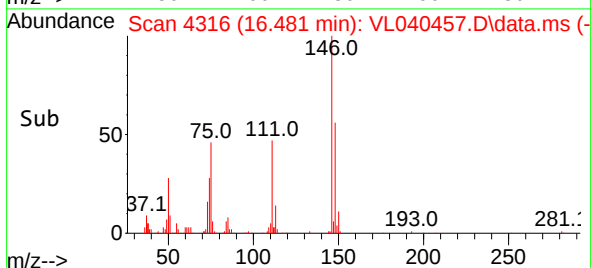
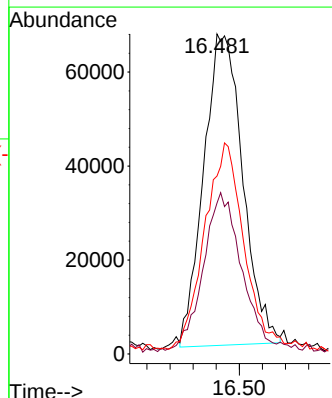
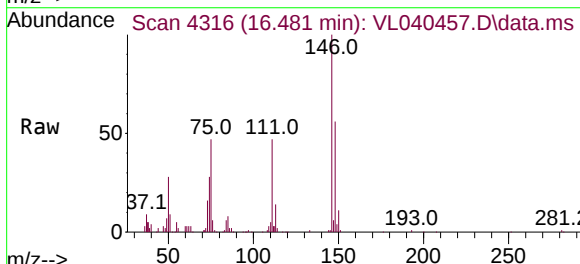
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

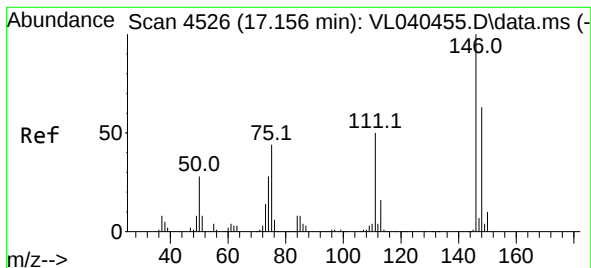
Tgt Ion:146 Resp: 166640
Ion Ratio Lower Upper
146 100
111 52.1 24.6 73.8
148 65.7 32.4 97.2



#76
1,4-Dichlorobenzene
Concen: 0.930 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. -0.006 min
Lab File: VL040457.D
Acq: 5 Jun 2023 15:27

Tgt Ion:146 Resp: 155576
Ion Ratio Lower Upper
146 100
111 52.7 23.8 71.5
148 74.7 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 1.000 ppbv

RT: 17.159 min Scan# 4527

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

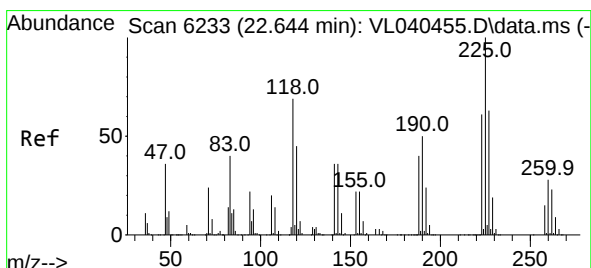
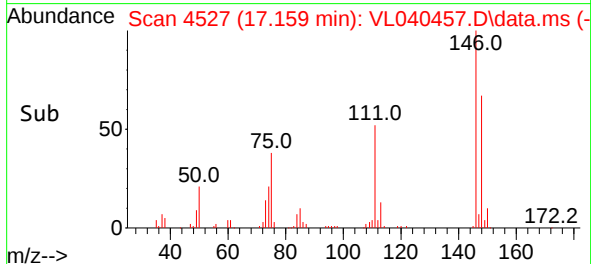
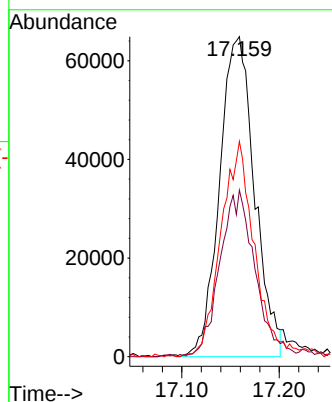
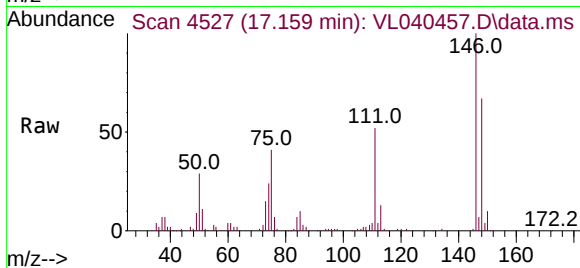
Tgt Ion:146 Resp: 161985

Ion Ratio Lower Upper

146 100

111 53.7 25.1 75.3

148 65.2 32.0 96.2



#78

Hexachloro-1,3-Butadiene

Concen: 1.037 ppbv

RT: 22.644 min Scan# 6233

Delta R.T. -0.000 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

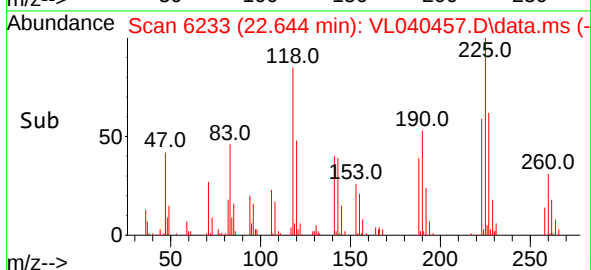
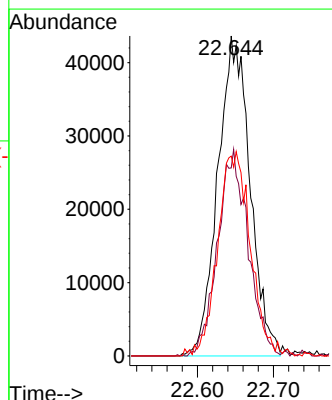
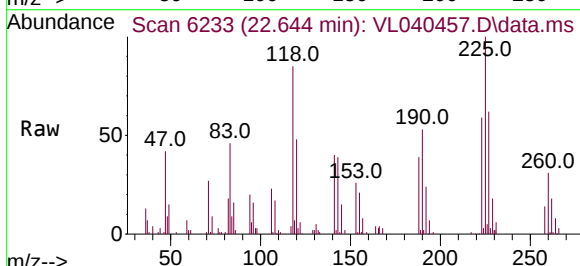
Tgt Ion:225 Resp: 128387

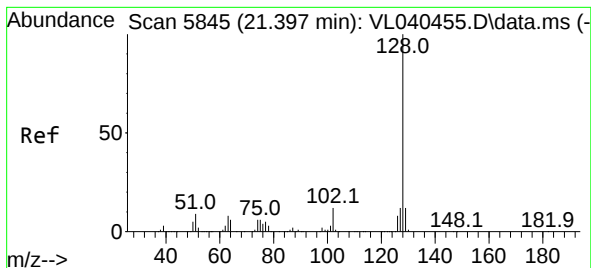
Ion Ratio Lower Upper

225 100

223 61.3 50.0 75.0

227 65.0 50.9 76.3





#79

Naphthalene

Concen: 0.968 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. 0.006 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

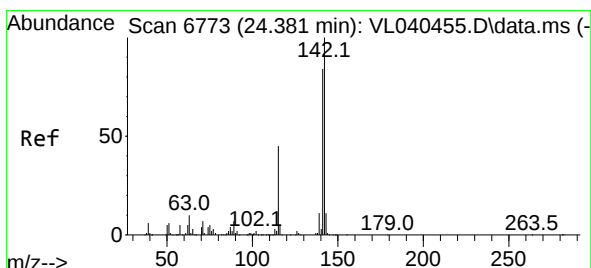
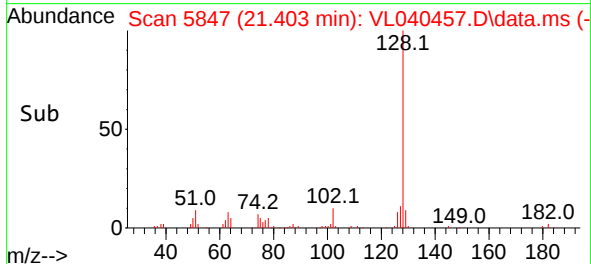
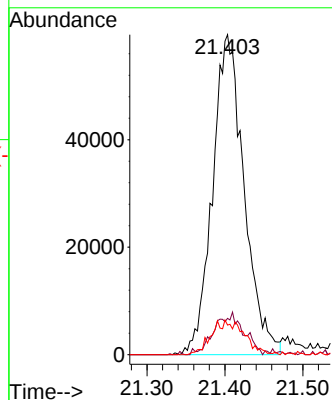
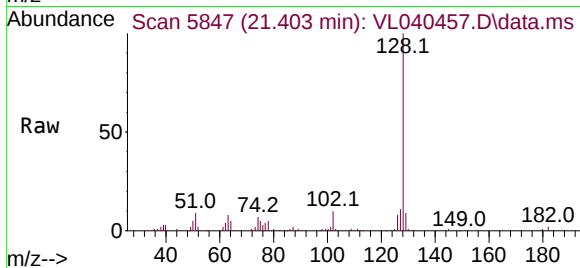
Tgt Ion:128 Resp: 167503

Ion Ratio Lower Upper

128 100

127 10.3 9.9 14.9

129 9.2 9.2 13.8



#80

Naphthalene,2-methyl-

Concen: 0.500 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. 0.003 min

Lab File: VL040457.D

Acq: 5 Jun 2023 15:27

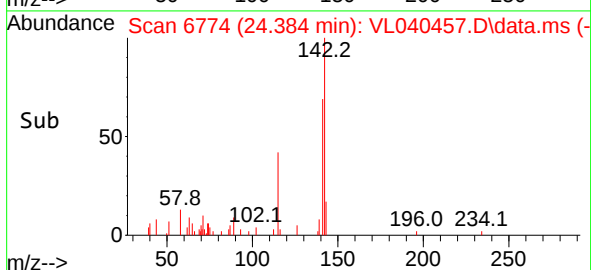
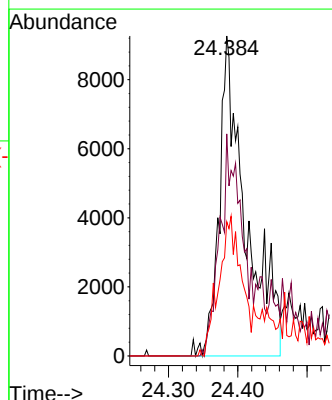
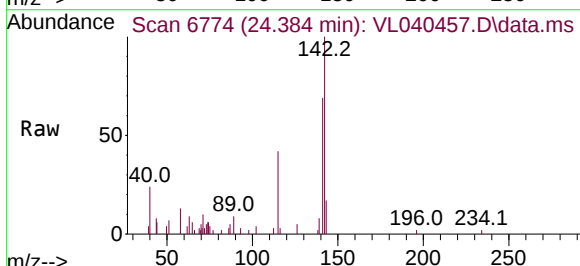
Tgt Ion:142 Resp: 24343

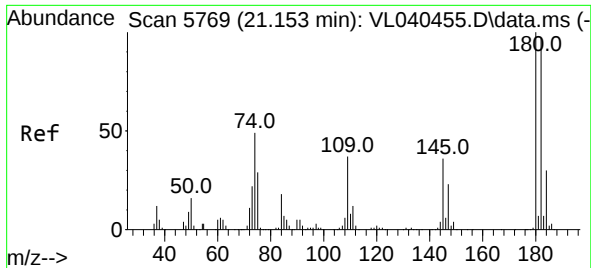
Ion Ratio Lower Upper

142 100

141 89.9 65.4 98.0

115 51.0 36.6 55.0





#81

1,2,4-Trichlorobenzene

Concen: 0.867 ppbv

RT: 21.159 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040457.D

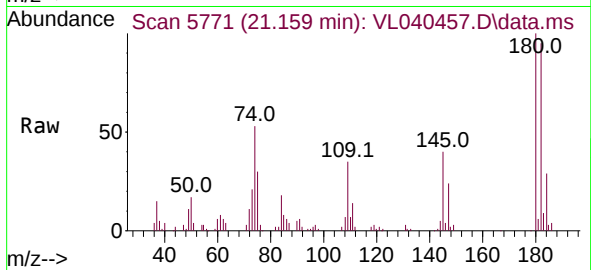
Acq: 5 Jun 2023 15:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 103992

Ion Ratio Lower Upper

180 100

182 104.9 77.2 115.8

184 32.3 24.4 36.6

