

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111822\
 Data File : VL039897.D
 Acq On : 18 Nov 2022 9:26
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Nov 19 04:49:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 18 14:05:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1324214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3964819	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3808552	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2858867	9.828	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	336674	1.775	ppbv	96
3) Chlorodifluoromethane	2.655	51	374618	2.050	ppbv	100
4) Chloromethane	2.793	50	234968	2.012	ppbv	98
5) Vinyl Chloride	2.903	62	203352	2.229	ppbv	98
6) Bromomethane	3.102	94	62984	2.024	ppbv	86
7) Chloroethane	3.179	64	68926	1.911	ppbv	90
8) Dichlorotetrafluoroethane	2.838	85	445144	2.056	ppbv	99
9) Propene	2.671	41	167176	1.942	ppbv	94
10) Heptane	7.565	43	426562	2.054	ppbv	98
11) Trichlorofluoromethane	3.542	101	463392	2.003	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.047	101	351594	2.008	ppbv	100
13) Ethanol	3.234	45	6898	1.050	ppbv #	45
14) Bromoethene	3.346	108	139322	2.041	ppbv	95
15) Acetone	3.456	43	366911	2.089	ppbv	98
16) 1,3-Butadiene	2.964	39	184564	2.108	ppbv	97
17) tert-Butyl alcohol	3.867	59	386818	1.915	ppbv	100
18) 1,1-Dichloroethene	3.861	96	163854	2.052	ppbv	96
19) Isopropyl Alcohol	3.565	45	180304	1.896	ppbv #	33
20) Methylene Chloride	3.915	84	193369	2.272	ppbv	94
21) Allyl Chloride	3.976	41	253079	2.077	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	161232	1.985	ppbv	96
23) Vinyl Acetate	4.607	43	137738	1.909	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	349126	2.007	ppbv	98
25) Ethyl Acetate	5.192	43	646571	2.005	ppbv	99
26) Hexane	5.198	57	296243	2.103	ppbv	100
27) Carbon Disulfide	4.105	76	381903	2.147	ppbv #	94
28) Methyl tert-Butyl Ether	4.574	73	360348	2.043	ppbv	99
29) Chloroform	5.256	83	243247	1.299	ppbv	100
30) Cyclohexane	6.587	84	276916	2.003	ppbv	97
31) cis-1,2-Dichloroethene	5.060	61	259018	1.990	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	479675	2.052	ppbv	97
34) 2-Butanone	4.777	43	400158	2.109	ppbv	100
35) Carbon Tetrachloride	6.481	117	474961	2.109	ppbv	98
36) Benzene	6.356	78	698453	2.072	ppbv #	94
37) 1,2-Dichloroethane	5.787	62	183864	0.996	ppbv #	81
38) Trichloroethene	7.279	130	374851	1.990	ppbv	97
39) 1,2-Dichloropropane	7.060	63	267723	2.039	ppbv	96
40) 1,4-Dioxane	7.291	88	48145	0.920	ppbv #	1
41) Tetrahydrofuran	5.555	42	266361	2.034	ppbv	96
42) Bromodichloromethane	7.237	83	515200	2.057	ppbv	99
43) Methyl Methacrylate	7.462	69	271693	2.056	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	1186385	2.109	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	241566	1.979	ppbv	98

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

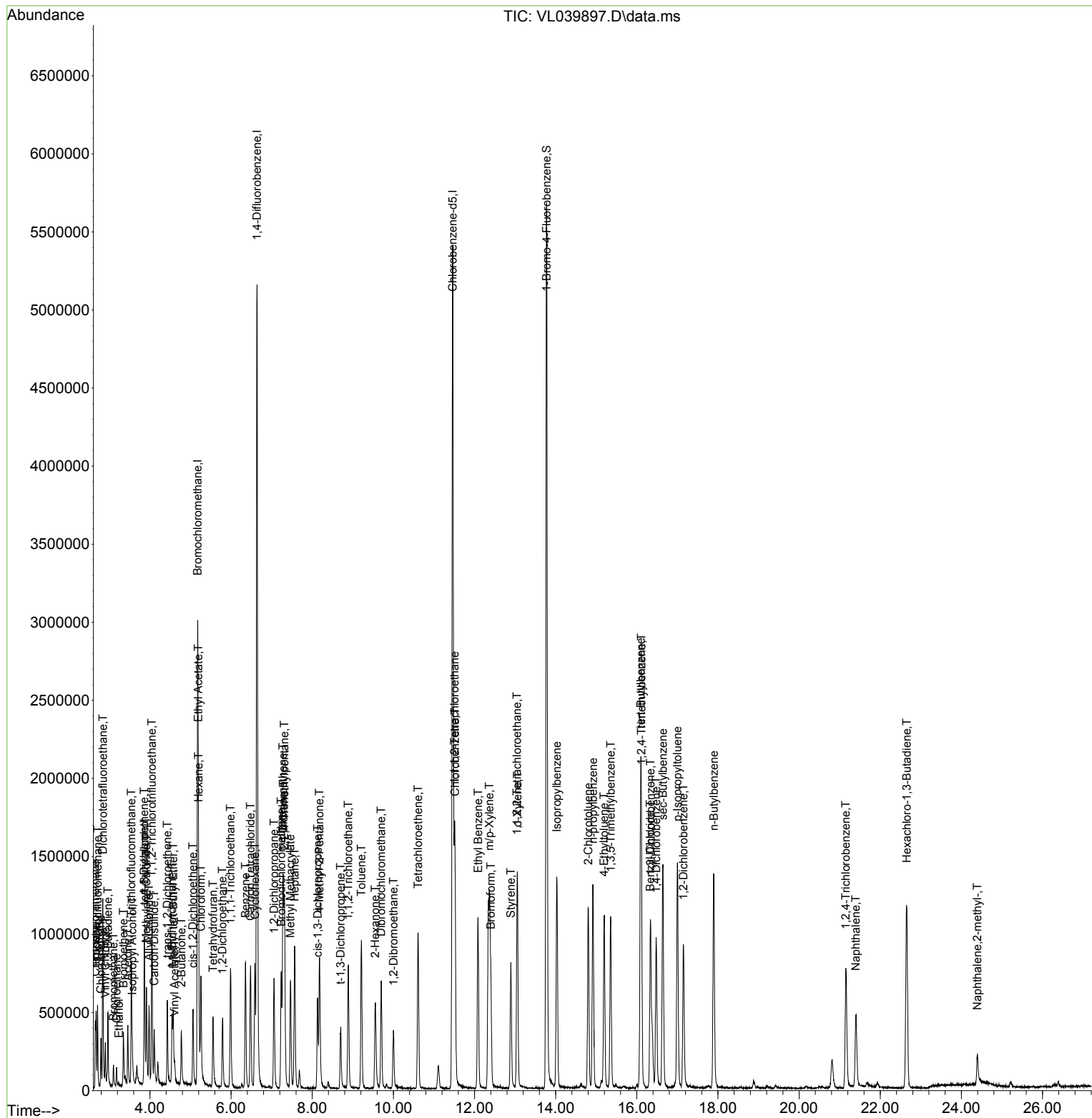
Instrument :
 MSVOA_L
 ClientSampleId :
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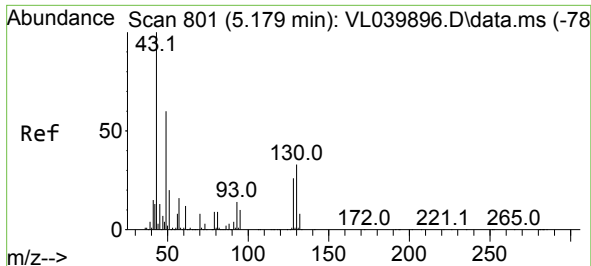
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 18 14:05:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	346622	2.050	ppbv	94
47) 1,1,2-Trichloroethane	8.889	97	274086	2.031	ppbv	95
48) Dibromochloromethane	9.700	129	414749	2.098	ppbv	99
49) Bromoform	12.404	173	332124	2.076	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	717725	2.112	ppbv	100
51) 2-Hexanone	9.555	43	547166	2.074	ppbv #	99
52) Tetrachloroethene	10.606	164	251755	1.997	ppbv	98
53) Toluene	9.211	91	799782	2.083	ppbv	98
54) 1,2-Dibromoethane	10.002	107	302253	2.099	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.507	131	323678	2.079	ppbv #	1
57) Chlorobenzene	11.520	112	597817	2.053	ppbv	95
58) Ethyl Benzene	12.085	91	1060597	2.053	ppbv	96
59) m/p-Xylene	12.362	91	933546	2.159	ppbv #	38
60) o-Xylene	13.056	91	854848	2.073	ppbv	97
61) Styrene	12.896	104	505651	2.054	ppbv	100
62) Isopropylbenzene	14.028	105	1248157	2.099	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.050	83	276619	2.009	ppbv	96
64) n-propylbenzene	14.921	120	312165	2.007	ppbv	83
65) tert-Butylbenzene	16.095	119	1092228	2.099	ppbv	99
66) Benzyl Chloride	16.330	91	38746	0.869	ppbv #	63
67) sec-Butylbenzene	16.645	105	1519580	2.124	ppbv	98
69) p-Isopropyltoluene	16.998	119	1244452	2.112	ppbv	99
70) n-Butylbenzene	17.899	91	1252368	2.144	ppbv	98
71) 2-Chlorotoluene	14.802	91	928036	2.059	ppbv	99
72) 4-Ethyltoluene	15.191	105	969795	2.092	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	878671	2.071	ppbv	96
74) 1,2,4-Trimethylbenzene	16.114	105	937330	2.086	ppbv	98
75) 1,3-Dichlorobenzene	16.336	146	531342	2.102	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	500397	1.997	ppbv	96
77) 1,2-Dichlorobenzene	17.146	146	499215	2.049	ppbv	98
78) Hexachloro-1,3-Butadiene	22.654	225	367549	2.174	ppbv	98
79) Naphthalene	21.400	128	630371	2.344	ppbv	97
80) Naphthalene,2-methyl-	24.394	142	166403	2.200	ppbv	97
81) 1,2,4-Trichlorobenzene	21.149	180	356865	2.149	ppbv	97

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
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QLast Update : Fri Nov 18 14:05:14 2022
Response via : Initial Calibration

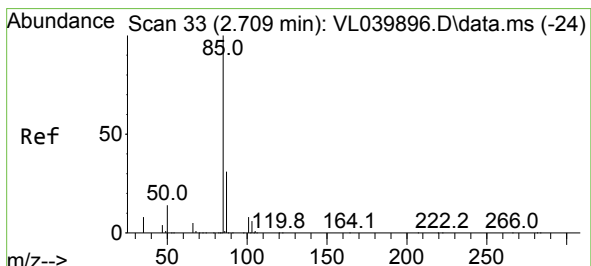
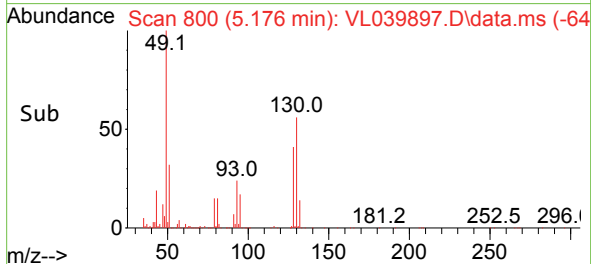
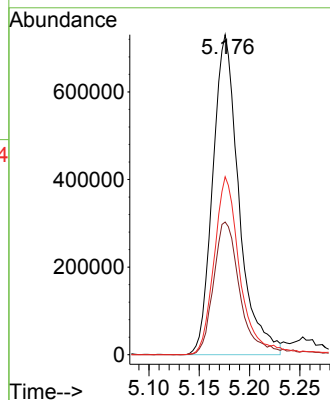
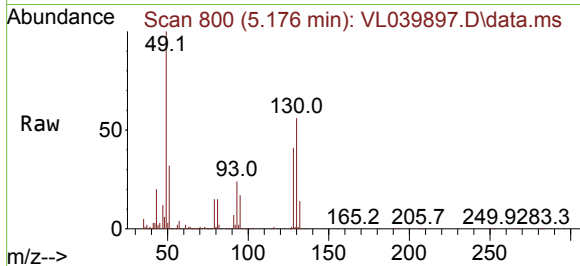




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

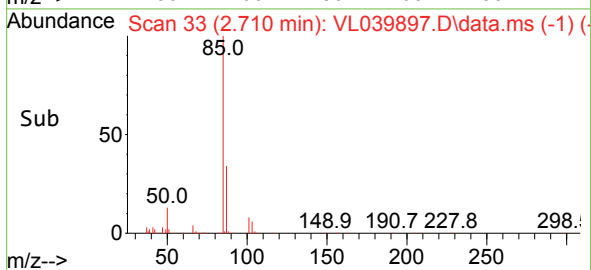
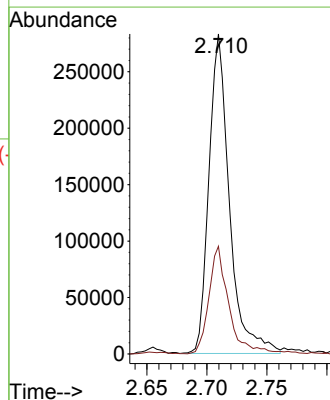
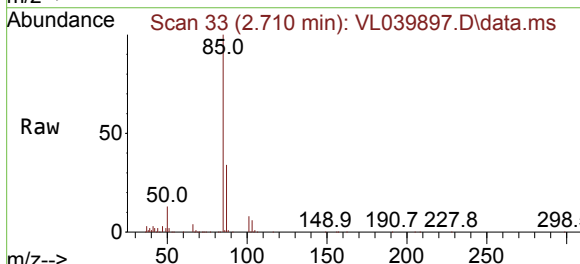
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

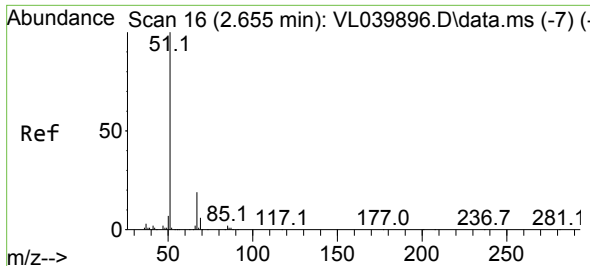
Tgt Ion: 49 Resp: 1324214
 Ion Ratio Lower Upper
 49 100
 128 43.4 22.1 66.3
 130 56.3 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 1.775 ppbv
 RT: 2.710 min Scan# 33
 Delta R.T. 0.000 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 85 Resp: 336674
 Ion Ratio Lower Upper
 85 100
 87 33.6 25.0 37.4

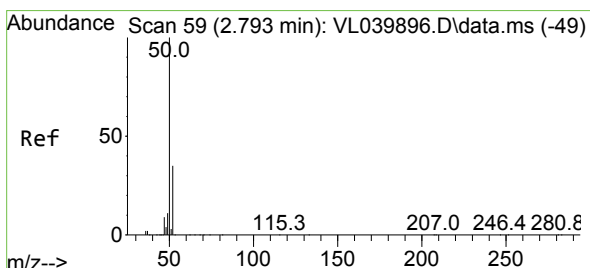
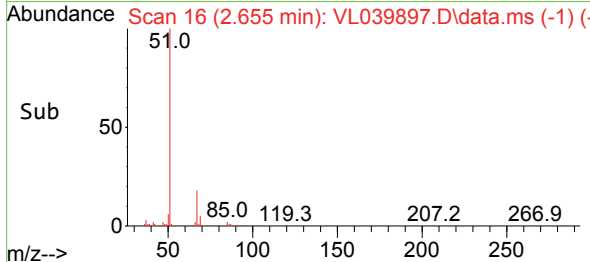
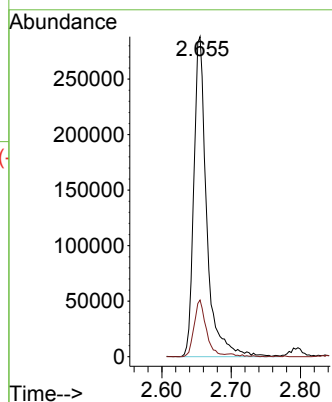
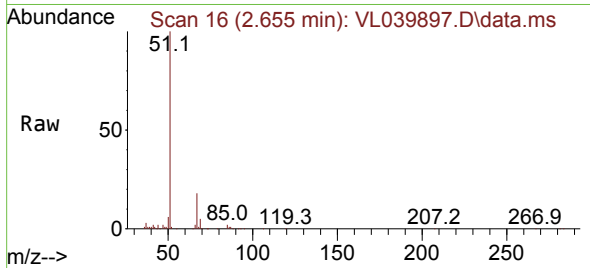




#3
Chlorodifluoromethane
Concen: 2.050 ppbv
RT: 2.655 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

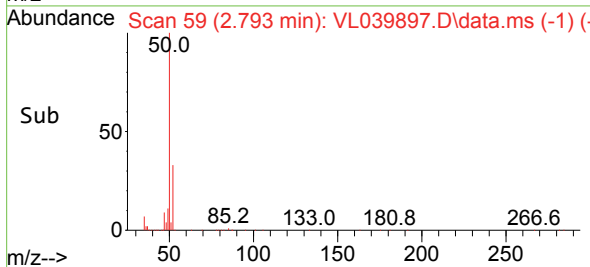
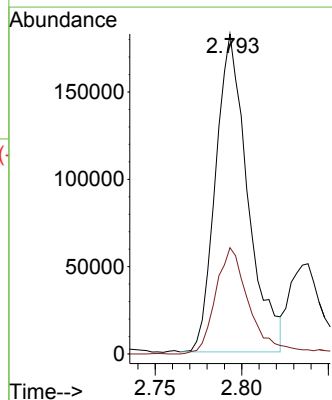
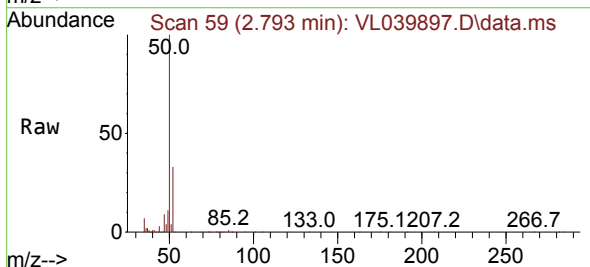
Instrument :
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ClientSampleId :
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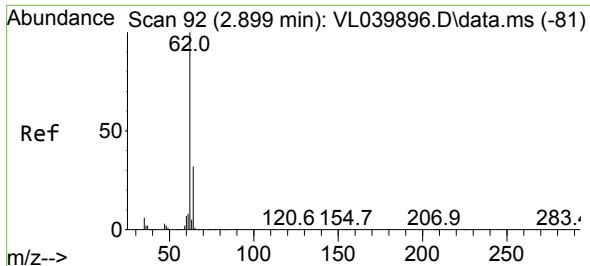
Tgt Ion: 51 Resp: 374618
Ion Ratio Lower Upper
51 100
67 17.7 14.2 21.4



#4
Chloromethane
Concen: 2.012 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 50 Resp: 234968
Ion Ratio Lower Upper
50 100
52 33.4 27.8 41.8

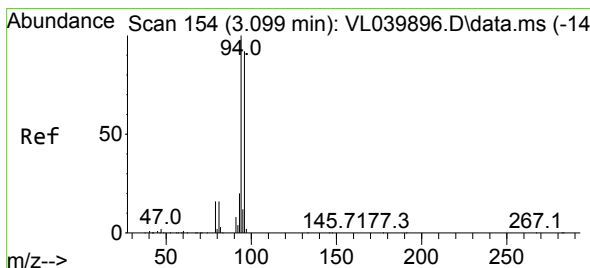
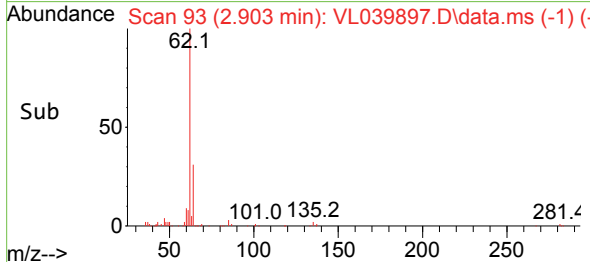
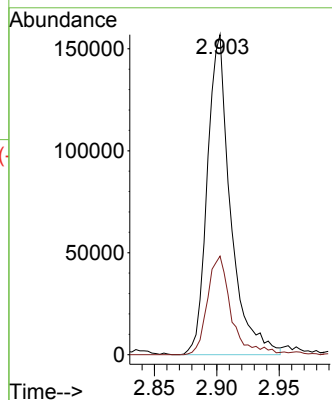
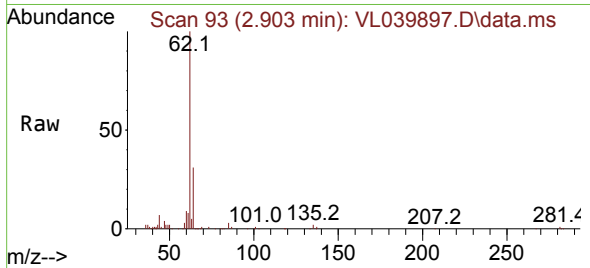




#5
 Vinyl Chloride
 Concen: 2.229 ppbv
 RT: 2.903 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

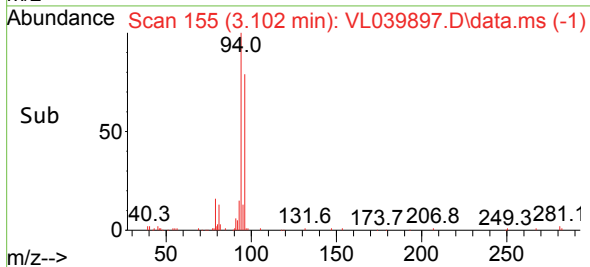
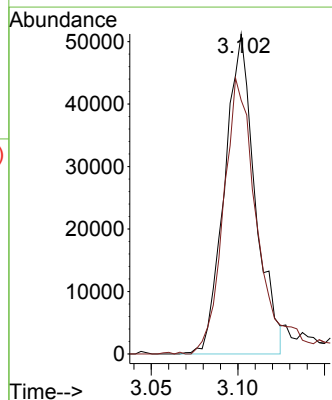
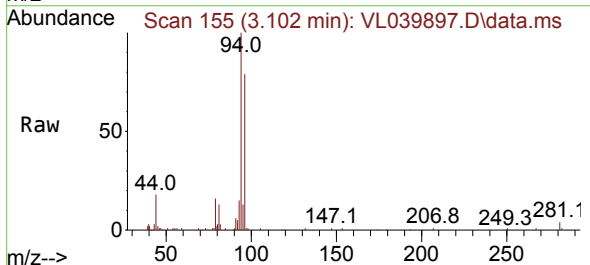
Instrument :
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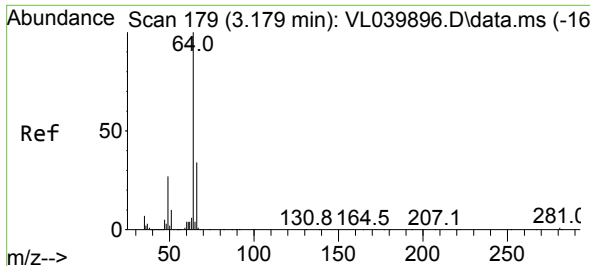
Tgt Ion: 62 Resp: 203352
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.7 38.5



#6
 Bromomethane
 Concen: 2.024 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 94 Resp: 62984
 Ion Ratio Lower Upper
 94 100
 96 78.7 73.7 110.5

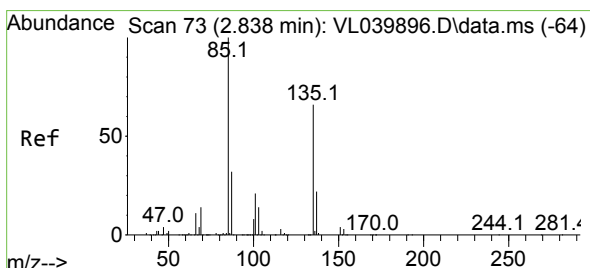
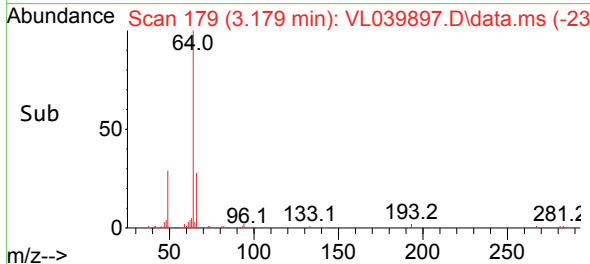
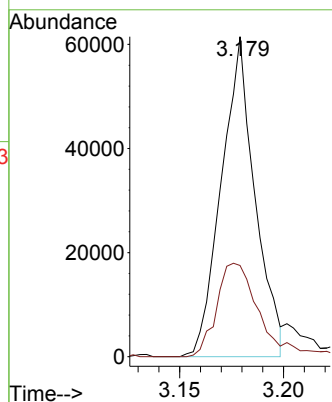
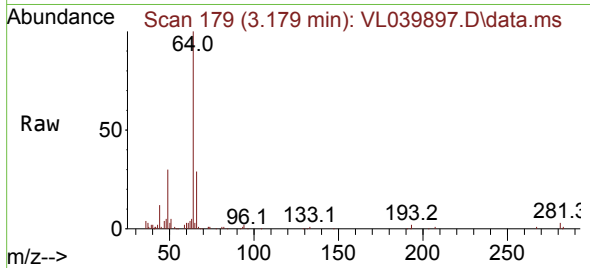




#7
Chloroethane
Concen: 1.911 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

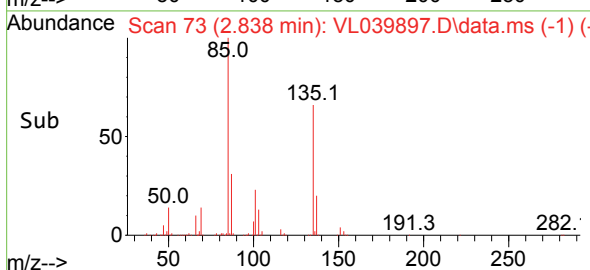
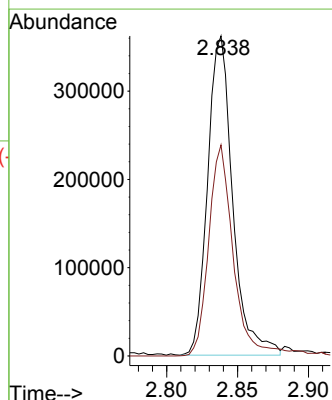
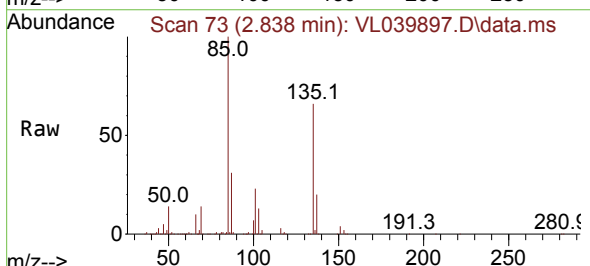
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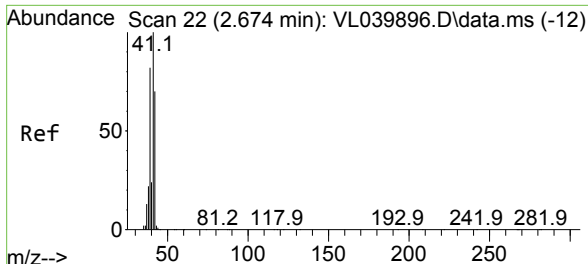
Tgt Ion: 64 Resp: 68926
Ion Ratio Lower Upper
64 100
66 28.5 27.3 40.9



#8
Dichlorotetrafluoroethane
Concen: 2.056 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 85 Resp: 445144
Ion Ratio Lower Upper
85 100
135 66.7 54.1 81.1

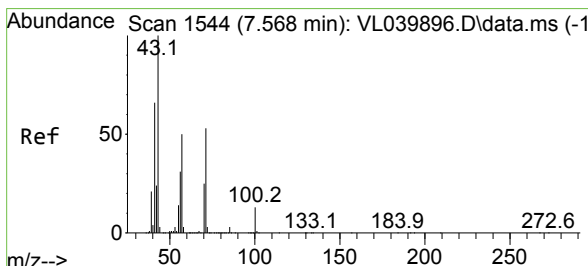
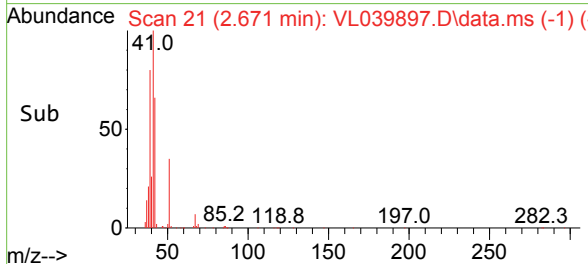
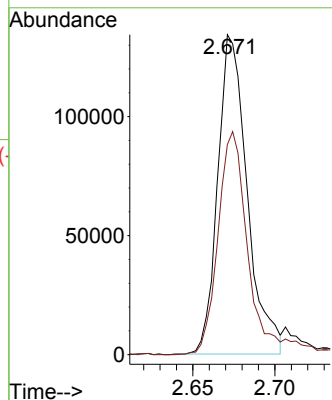
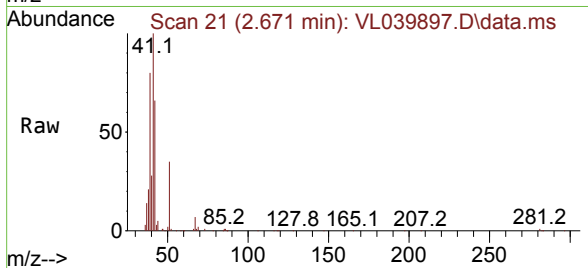




#9
 Propene
 Concen: 1.942 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

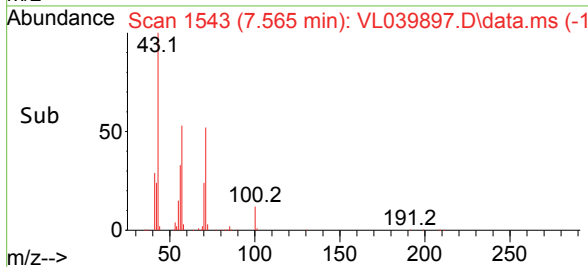
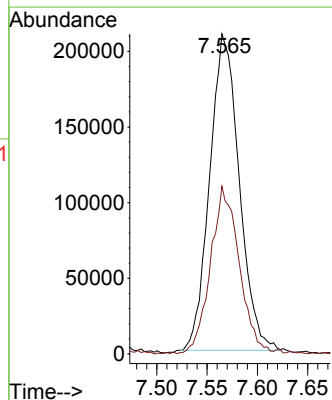
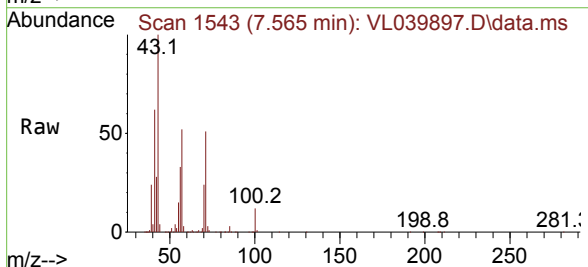
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

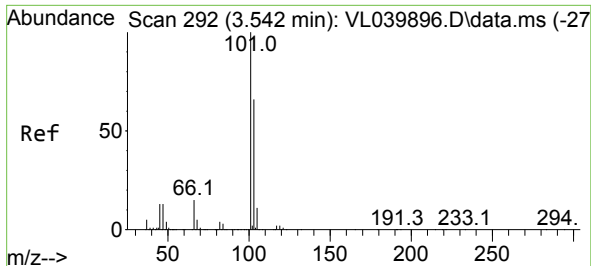
Tgt Ion: 41 Resp: 167176
 Ion Ratio Lower Upper
 41 100
 42 74.7 55.8 83.6



#10
 Heptane
 Concen: 2.054 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 43 Resp: 426562
 Ion Ratio Lower Upper
 43 100
 57 52.4 40.7 61.1

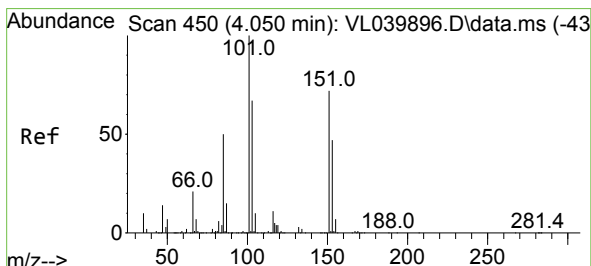
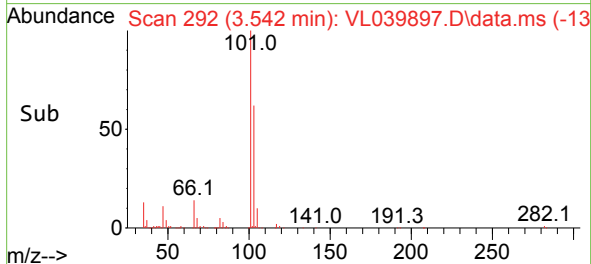
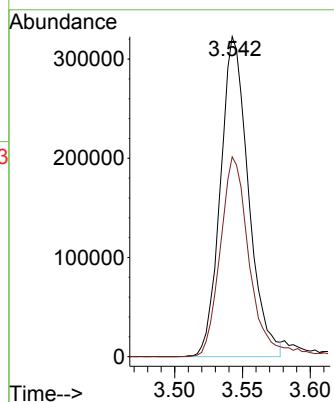
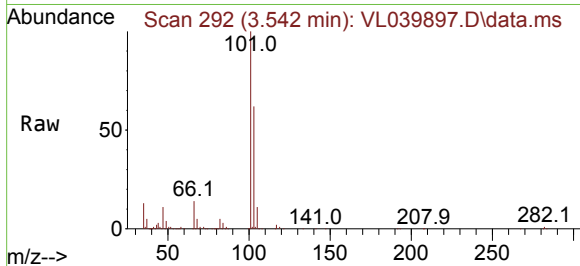




#11
 Trichlorofluoromethane
 Concen: 2.003 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.000 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

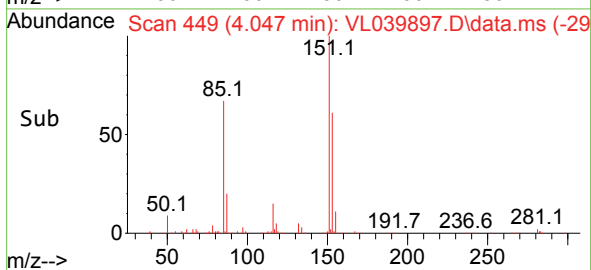
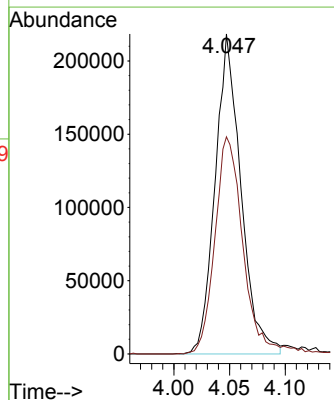
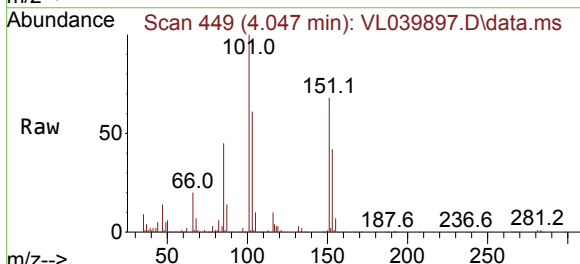
Instrument :
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 ClientSampleId :
 VSTDIC002

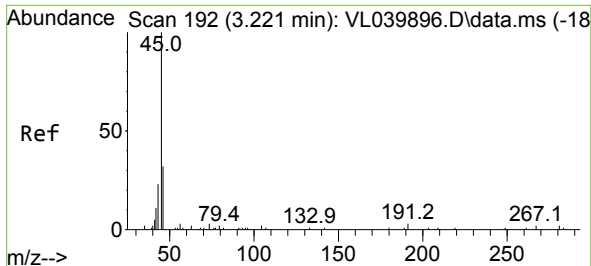
Tgt Ion:101 Resp: 463392
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.008 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion:101 Resp: 351594
 Ion Ratio Lower Upper
 101 100
 151 74.8 59.6 89.4

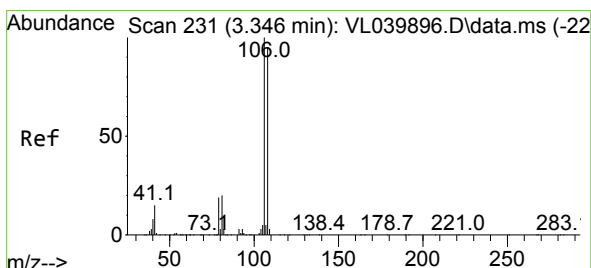
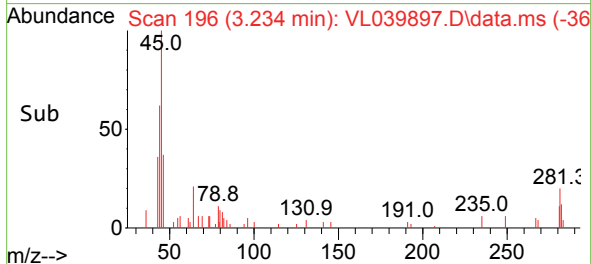
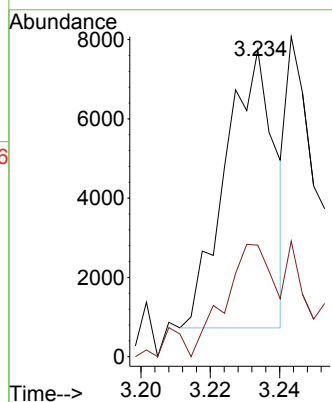
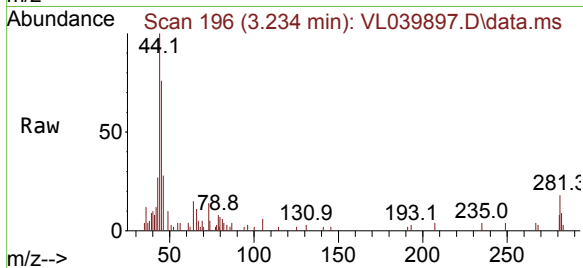




#13
Ethanol
Concen: 1.050 ppbv
RT: 3.234 min Scan# 192
Delta R.T. 0.013 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

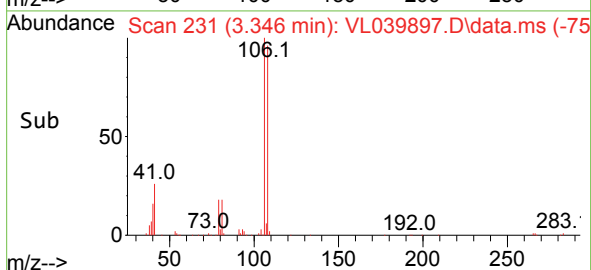
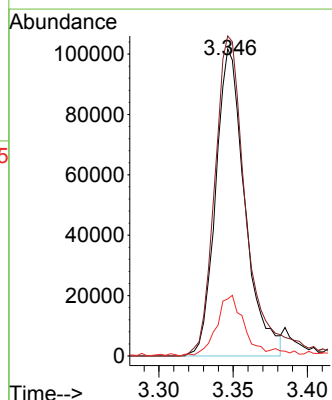
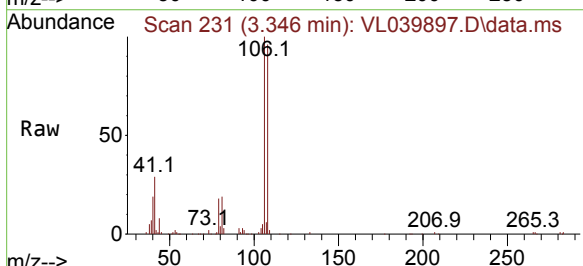
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

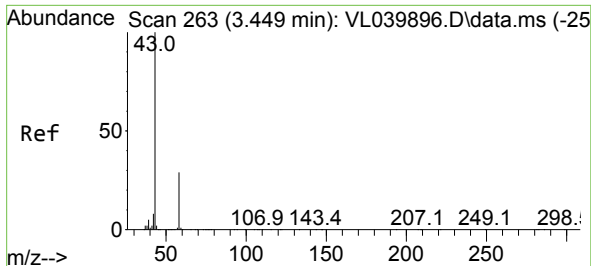
Tgt Ion: 45 Resp: 6898
Ion Ratio Lower Upper
45 100
46 4.0 14.6 58.2#



#14
Bromoethene
Concen: 2.041 ppbv
RT: 3.346 min Scan# 231
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 108 Resp: 139322
Ion Ratio Lower Upper
108 100
106 115.4 87.3 130.9
79 20.1 15.9 23.9

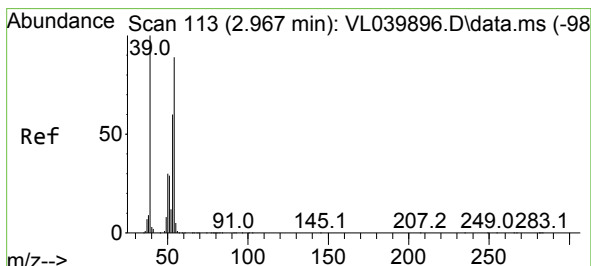
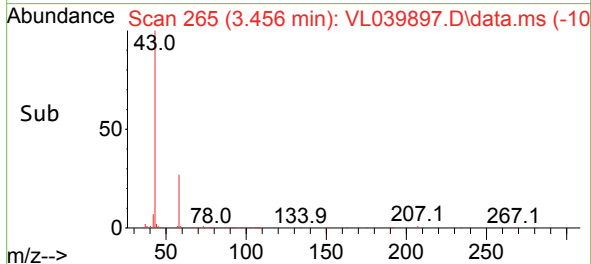
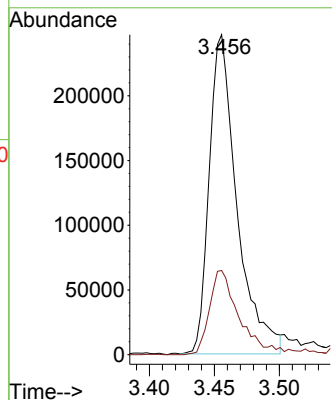
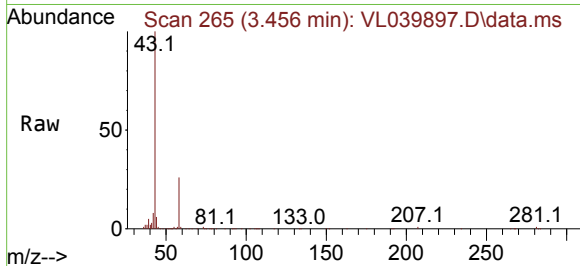




#15
Acetone
Concen: 2.089 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

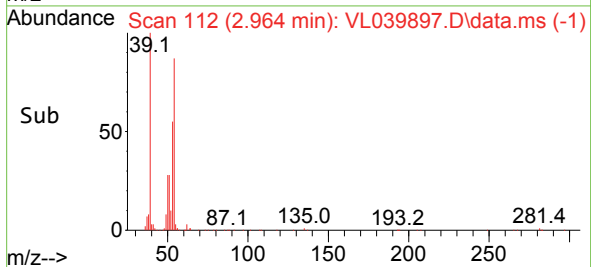
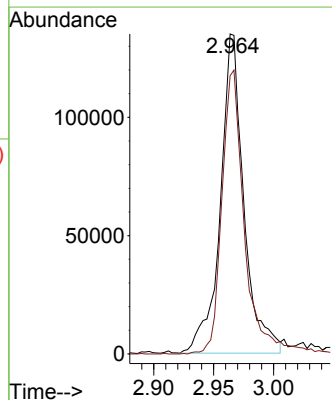
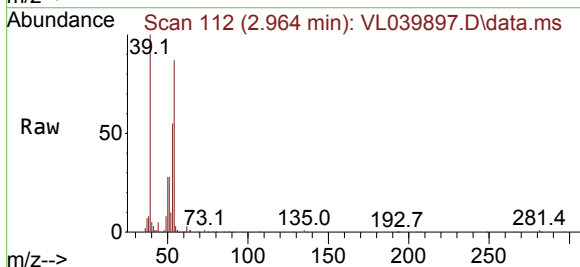
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

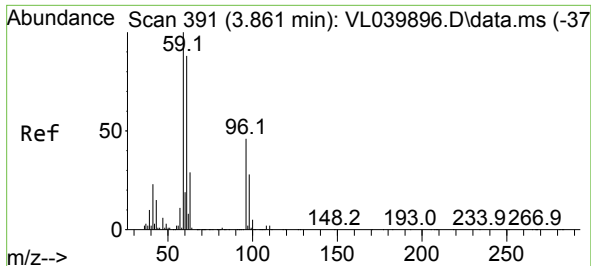
Tgt Ion: 43 Resp: 366911
Ion Ratio Lower Upper
43 100
58 29.4 22.9 34.3



#16
1,3-Butadiene
Concen: 2.108 ppbv
RT: 2.964 min Scan# 112
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 39 Resp: 184564
Ion Ratio Lower Upper
39 100
54 85.9 66.6 99.8





#17

tert-Butyl alcohol

Concen: 1.915 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.007 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

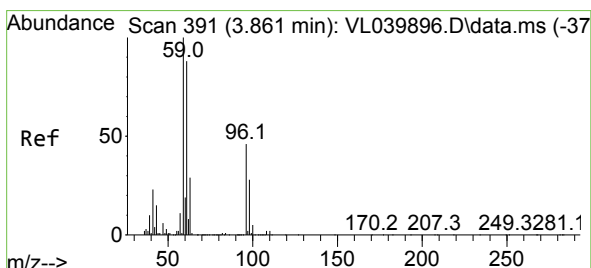
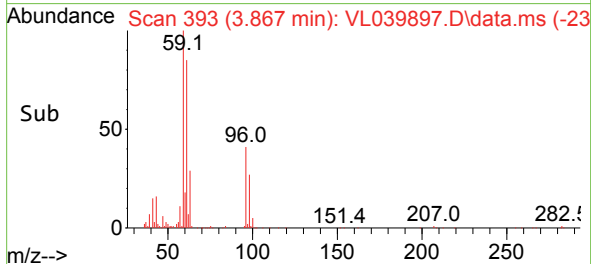
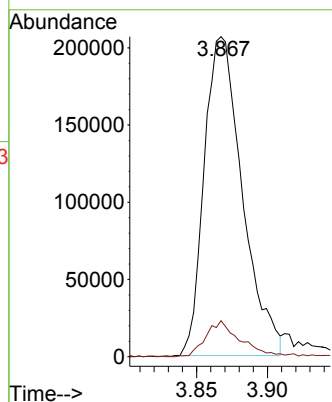
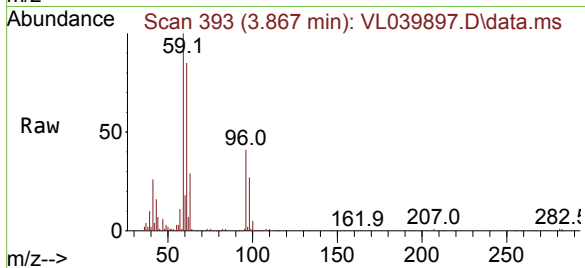
VSTDIC002

Tgt Ion: 59 Resp: 386818

Ion Ratio Lower Upper

59 100

57 10.5 8.3 12.5



#18

1,1-Dichloroethene

Concen: 2.052 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

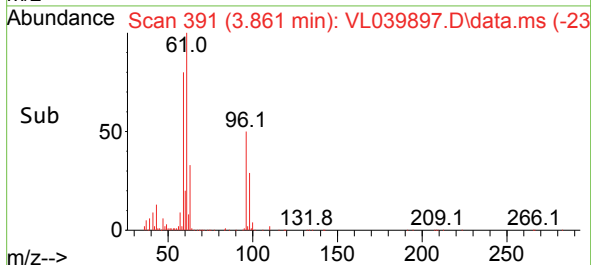
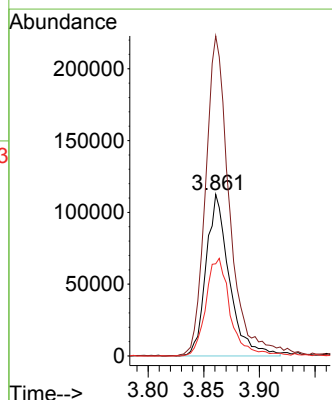
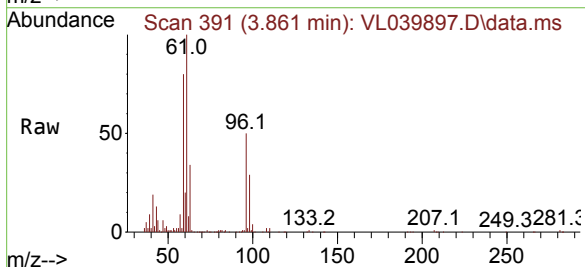
Tgt Ion: 96 Resp: 163854

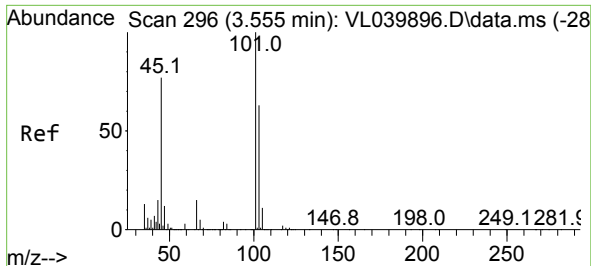
Ion Ratio Lower Upper

96 100

61 197.3 153.4 230.2

98 57.0 48.9 73.3

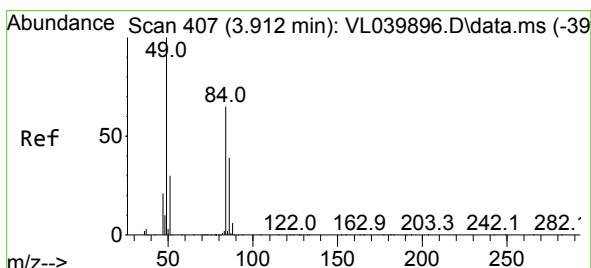
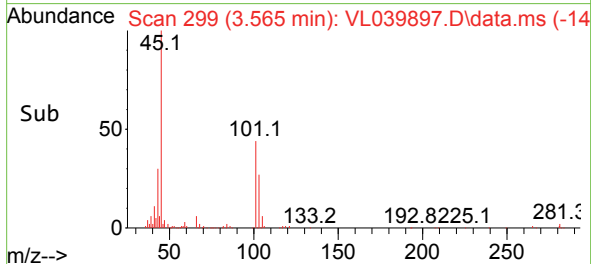
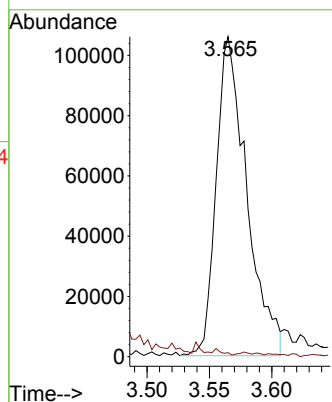
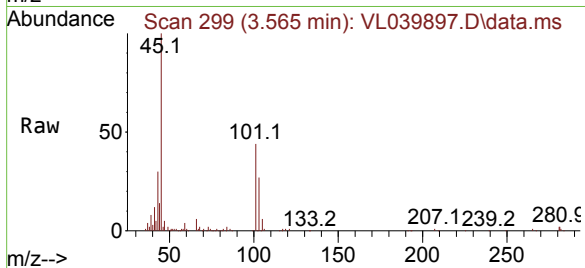




#19
Isopropyl Alcohol
Concen: 1.896 ppbv
RT: 3.565 min Scan# 296
Delta R.T. 0.010 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

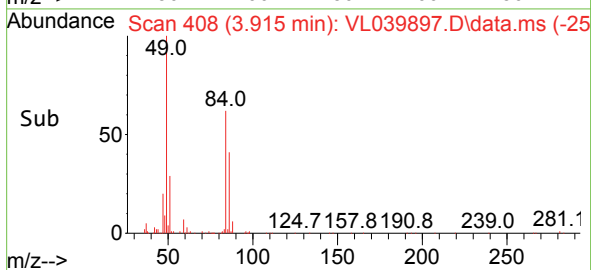
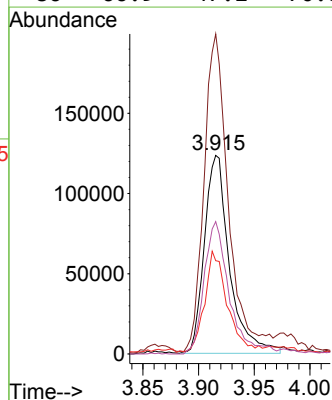
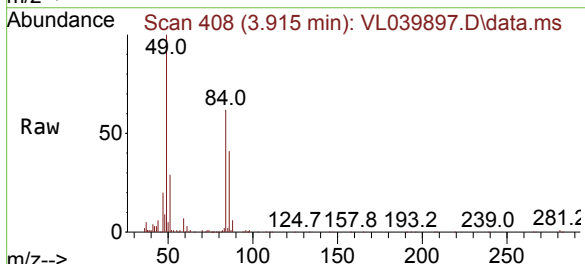
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

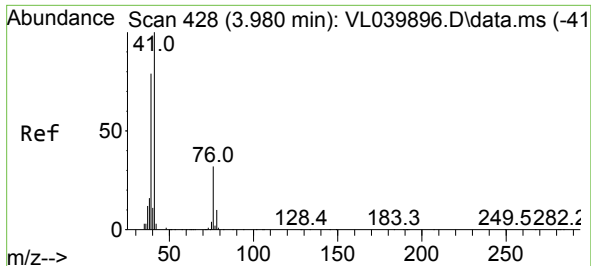
Tgt Ion: 45 Resp: 180304
Ion Ratio Lower Upper
45 100
58 2.7 38.7 58.1#



#20
Methylene Chloride
Concen: 2.272 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 84 Resp: 193369
Ion Ratio Lower Upper
84 100
49 160.5 122.2 183.4
51 45.5 36.3 54.5
86 66.9 47.2 70.8

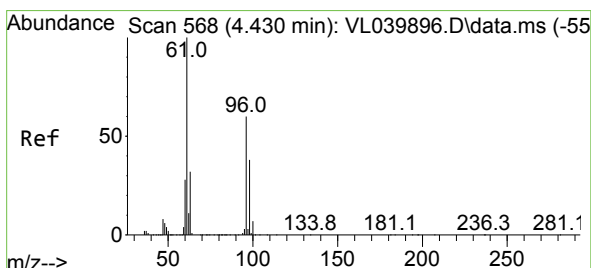
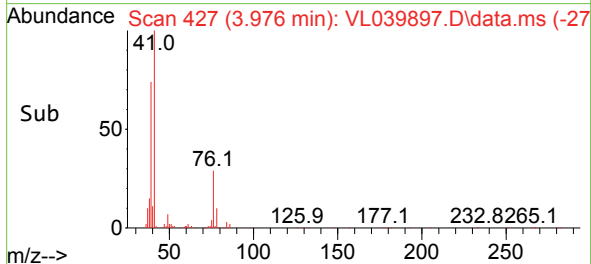
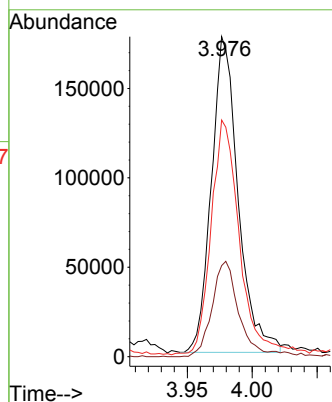
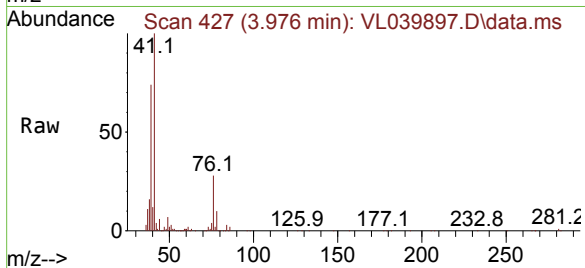




#21
 Allyl Chloride
 Concen: 2.077 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

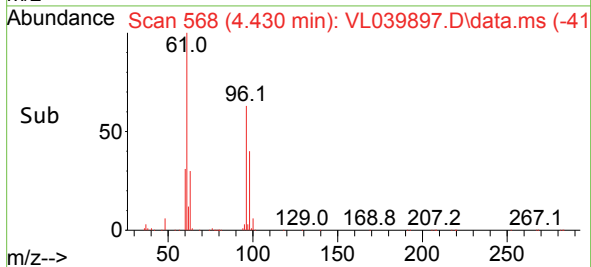
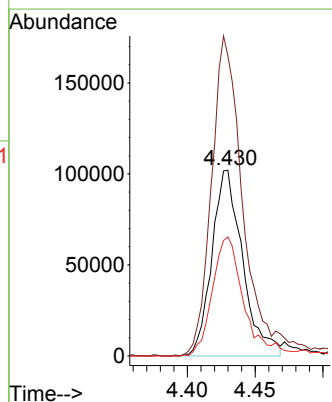
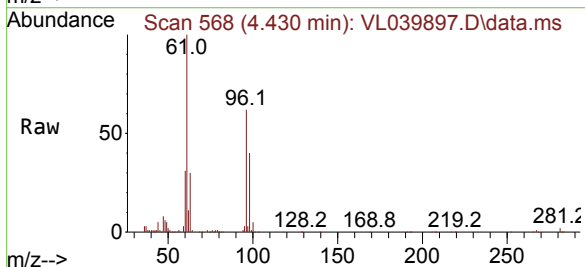
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

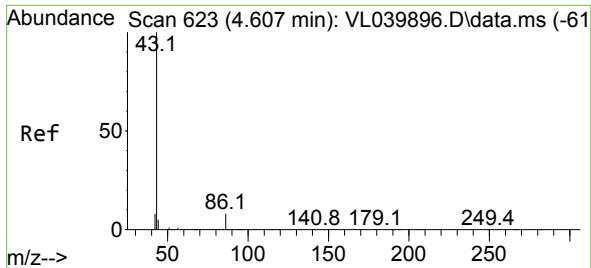
Tgt Ion: 41 Resp: 253079
 Ion Ratio Lower Upper
 41 100
 76 31.4 25.6 38.4
 39 80.8 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 1.985 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 96 Resp: 161232
 Ion Ratio Lower Upper
 96 100
 61 161.6 134.1 201.1
 98 64.1 50.4 75.6

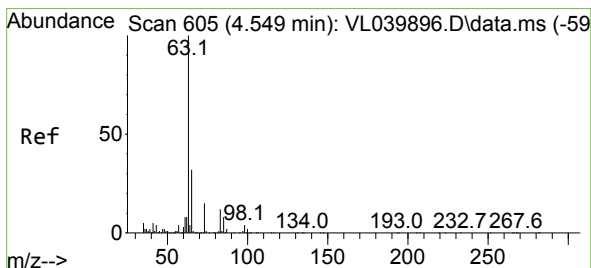
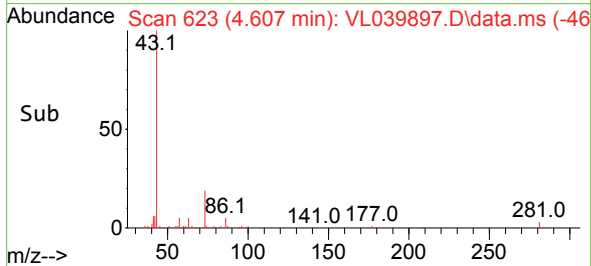
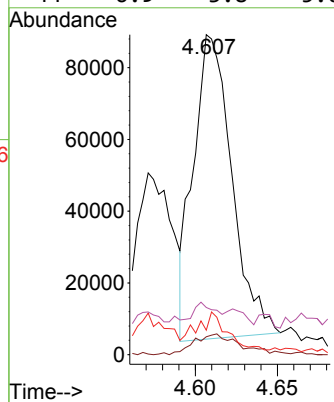
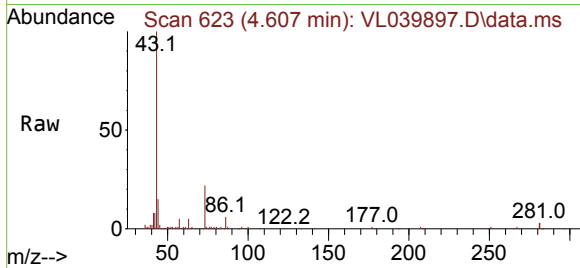




#23
 Vinyl Acetate
 Concen: 1.909 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

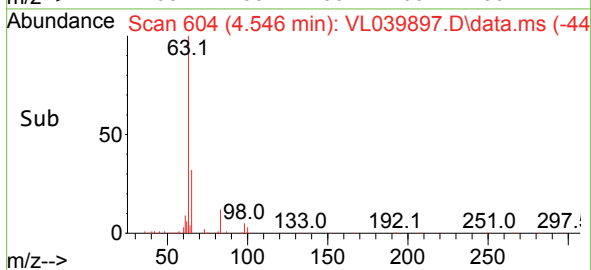
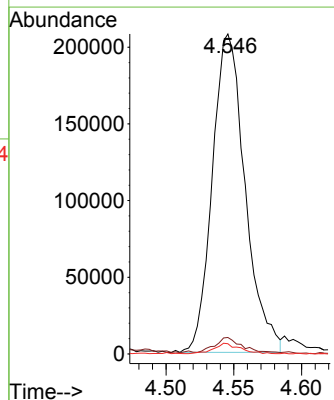
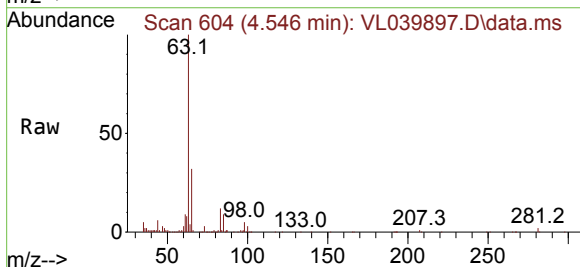
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

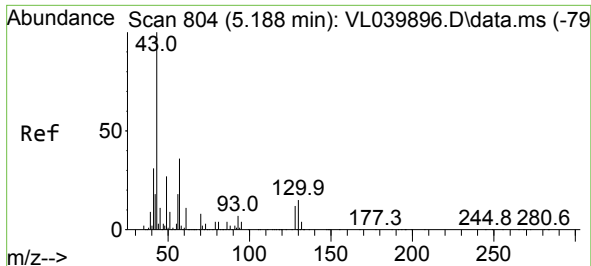
Tgt Ion:	43	Resp:	137738
Ion	Ratio	Lower	Upper
43	100		
86	5.2	5.0	7.4
42	6.6	7.6	11.4#
44	6.9	3.8	5.6#



#24
 1,1-Dichloroethane
 Concen: 2.007 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion:	63	Resp:	349126
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	3.2	1.1	3.5



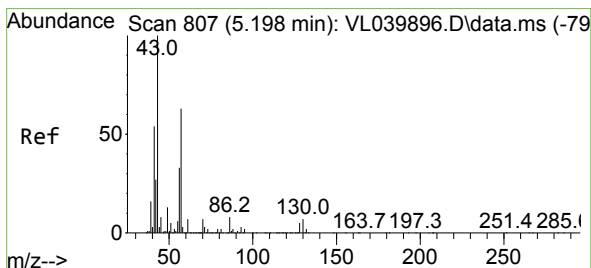
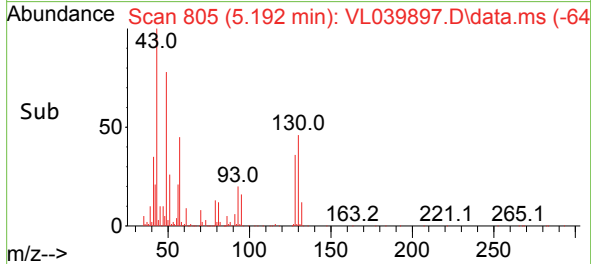
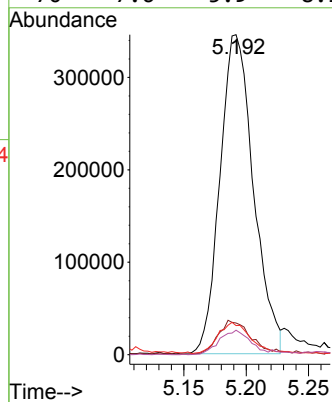
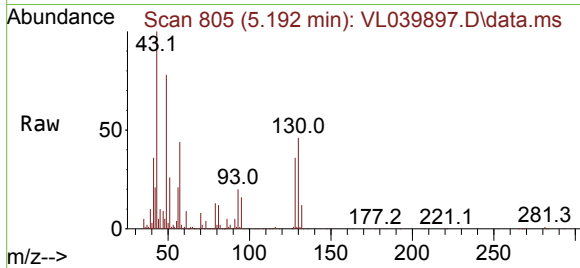


#25
Ethyl Acetate
Concen: 2.005 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 646571

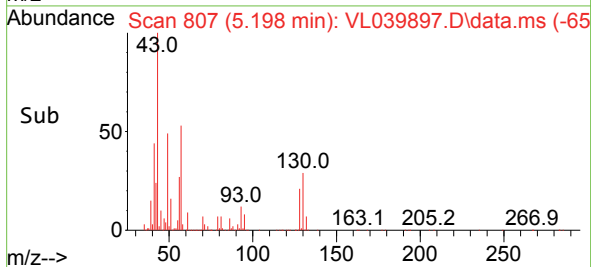
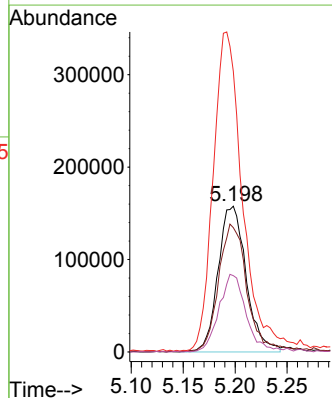
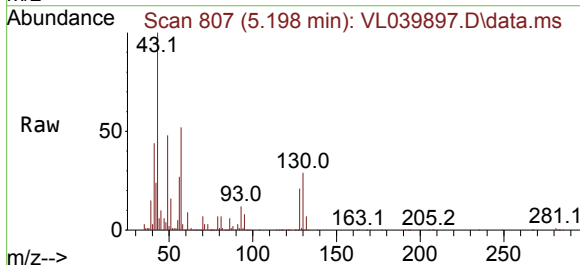
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.4	12.6
61	10.1	8.5	12.7
70	7.6	5.9	8.9

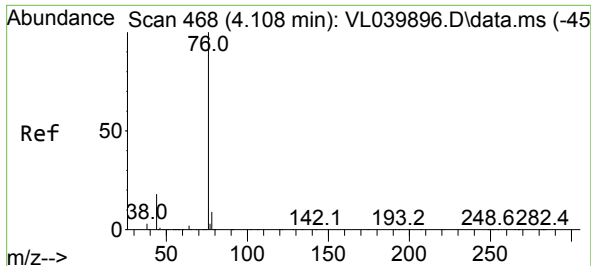


#26
Hexane
Concen: 2.103 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 57 Resp: 296243

Ion	Ratio	Lower	Upper
57	100		
41	89.9	72.3	108.5
43	235.7	188.7	283.1
56	52.7	42.4	63.6

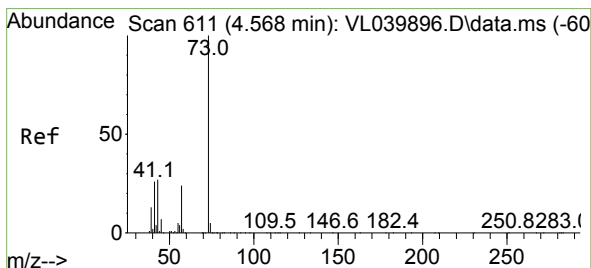
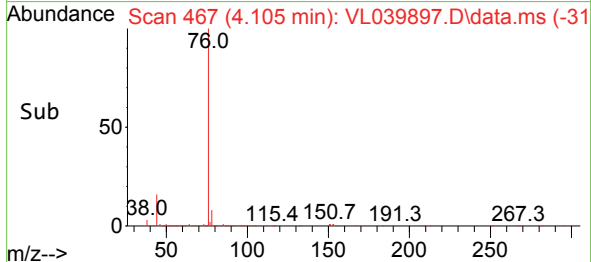
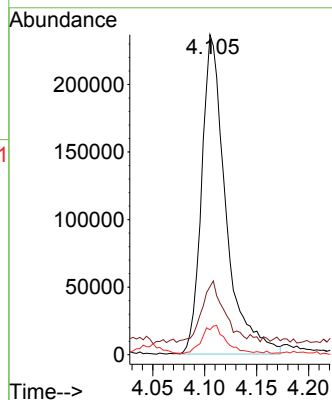
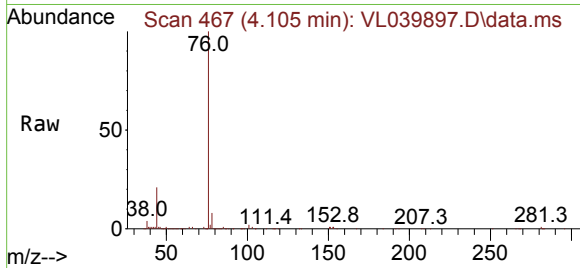




#27
Carbon Disulfide
Concen: 2.147 ppbv
RT: 4.105 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

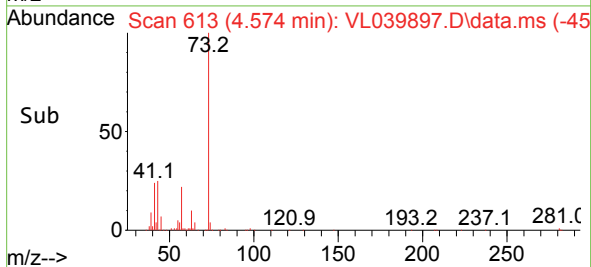
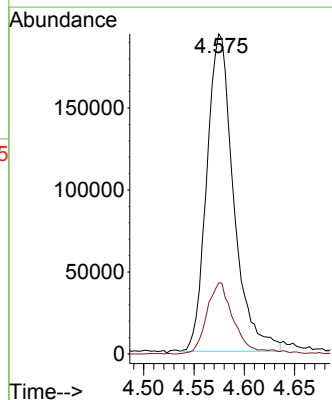
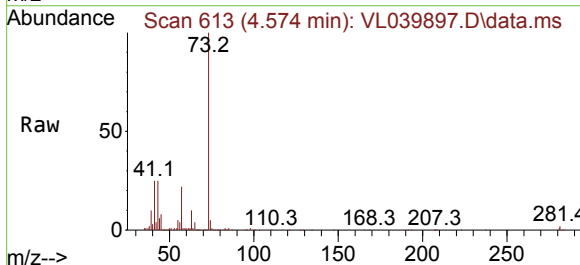
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

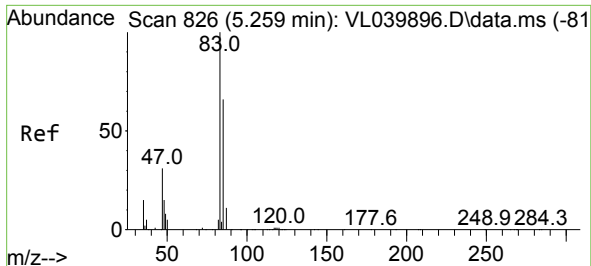
Tgt Ion: 76 Resp: 381903
Ion Ratio Lower Upper
76 100
44 22.6 14.7 22.1#
78 9.7 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 2.043 ppbv
RT: 4.574 min Scan# 613
Delta R.T. 0.007 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 73 Resp: 360348
Ion Ratio Lower Upper
73 100
57 23.2 18.9 28.3

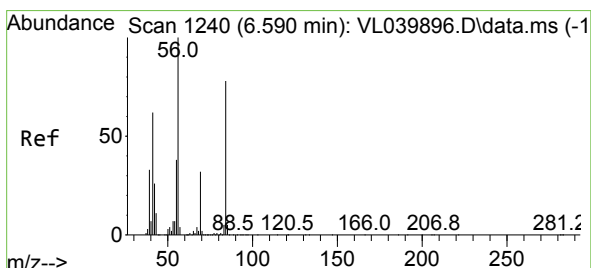
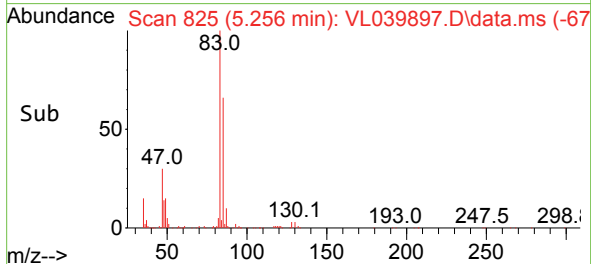
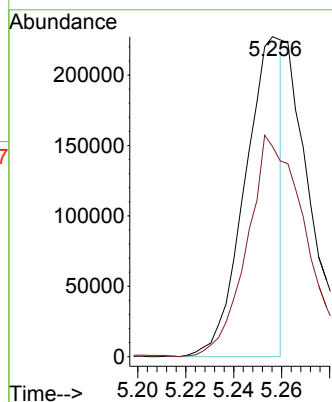
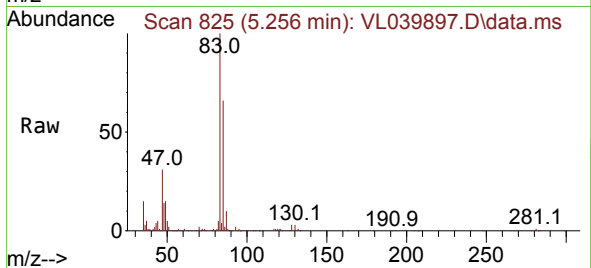




#29
Chloroform
Concen: 1.299 ppbv
RT: 5.256 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

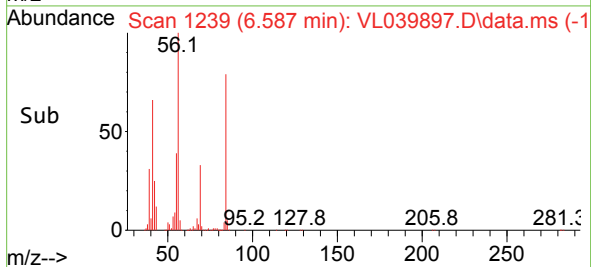
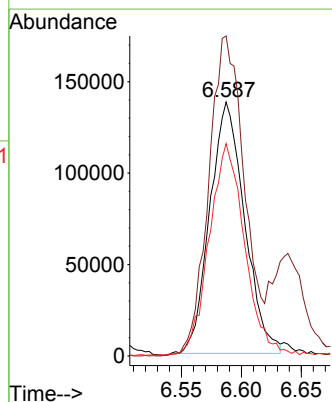
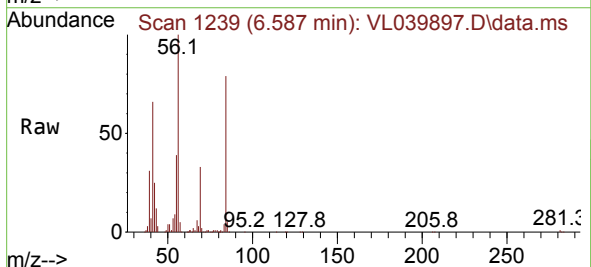
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

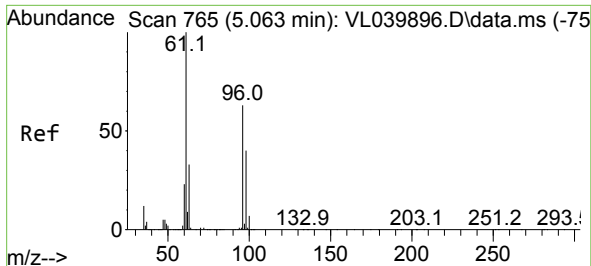
Tgt Ion: 83 Resp: 243247
Ion Ratio Lower Upper
83 100
85 65.6 52.4 78.6



#30
Cyclohexane
Concen: 2.003 ppbv
RT: 6.587 min Scan# 1239
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 84 Resp: 276916
Ion Ratio Lower Upper
84 100
56 136.8 112.5 168.7
41 86.6 67.8 101.8

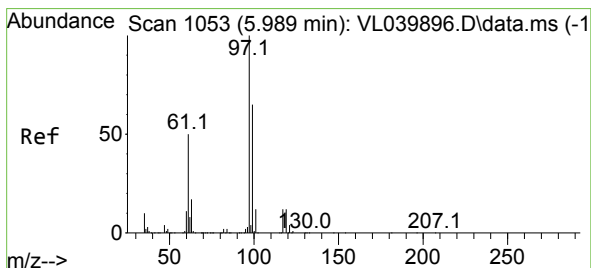
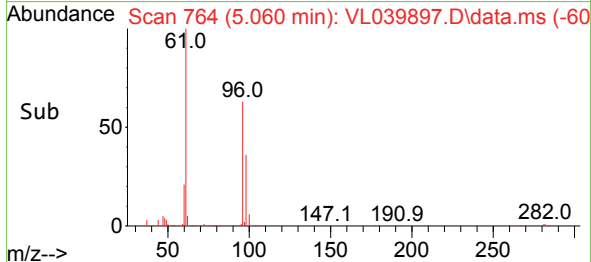
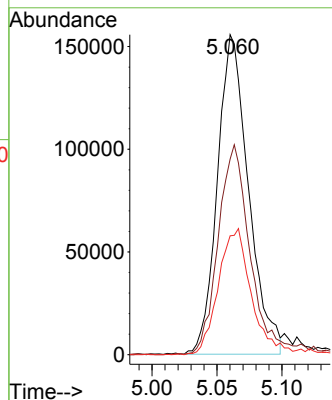
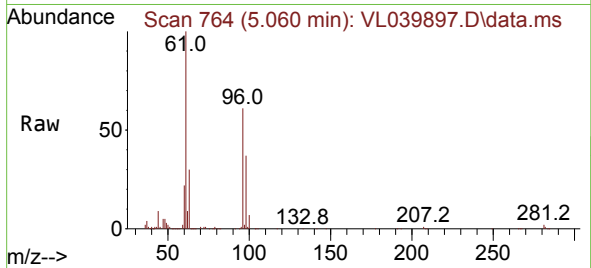




#31
 cis-1,2-Dichloroethene
 Concen: 1.990 ppbv
 RT: 5.060 min Scan# 765
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

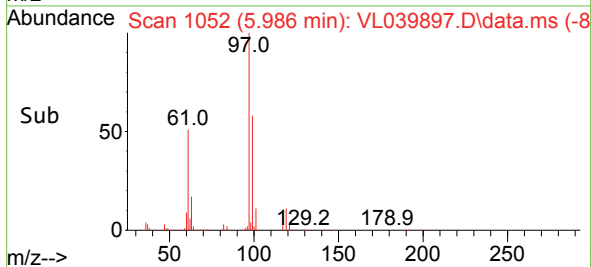
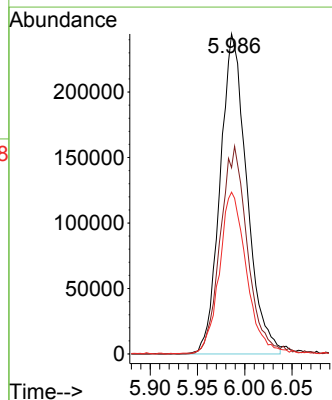
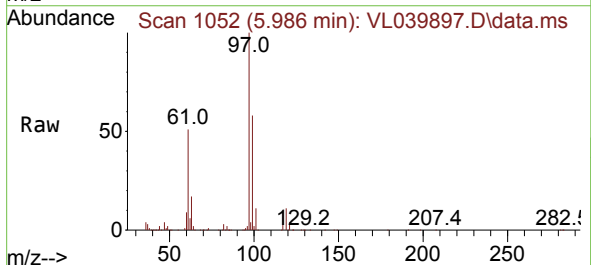
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

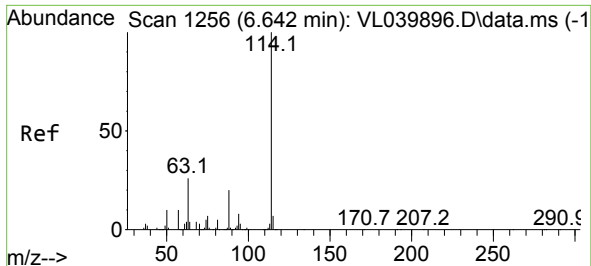
Tgt Ion: 61 Resp: 259018
 Ion Ratio Lower Upper
 61 100
 96 60.8 50.3 75.5
 98 37.0 32.2 48.2



#32
 1,1,1-Trichloroethane
 Concen: 2.052 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 97 Resp: 479675
 Ion Ratio Lower Upper
 97 100
 99 66.9 51.4 77.0
 61 52.2 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

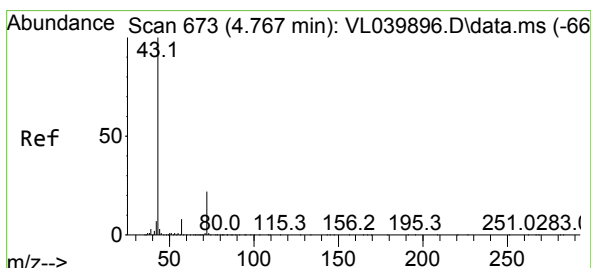
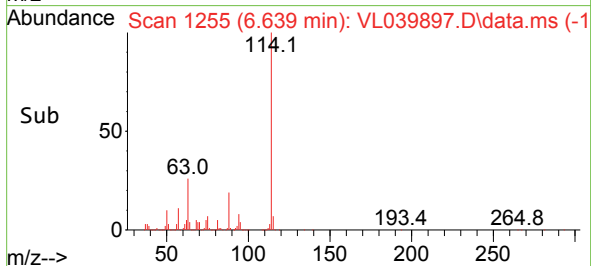
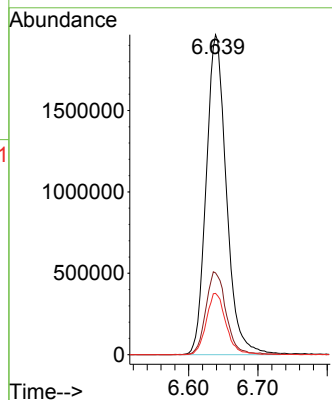
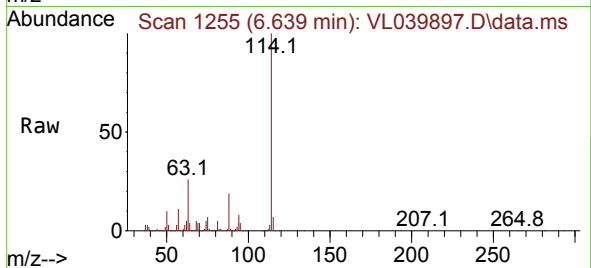
Tgt Ion:114 Resp: 3964819

Ion Ratio Lower Upper

114 100

63 26.2 21.4 32.0

88 18.9 15.3 22.9



#34

2-Butanone

Concen: 2.109 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.010 min

Lab File: VL039897.D

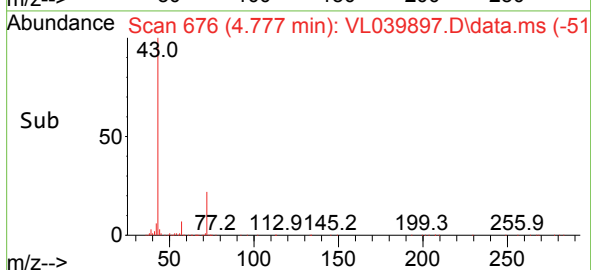
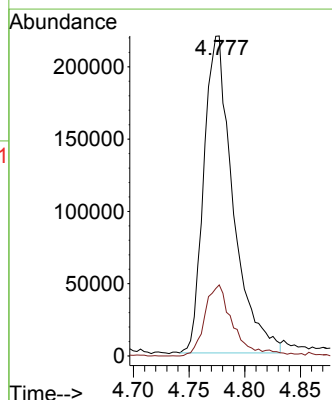
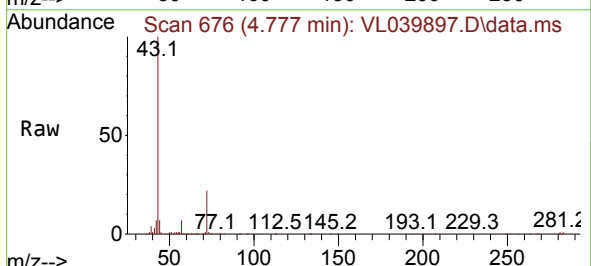
Acq: 18 Nov 2022 9:26

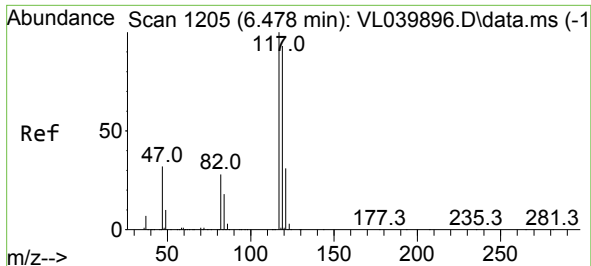
Tgt Ion: 43 Resp: 400158

Ion Ratio Lower Upper

43 100

72 22.0 17.4 26.2

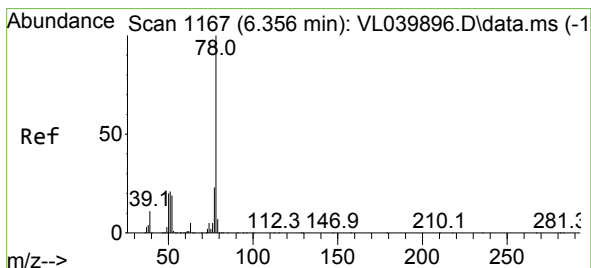
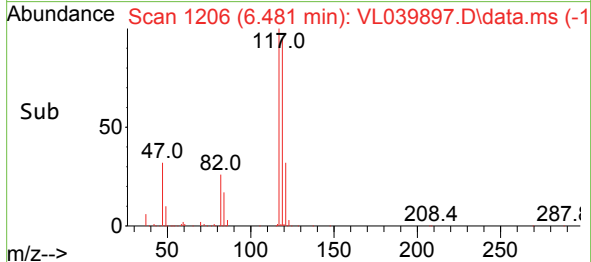
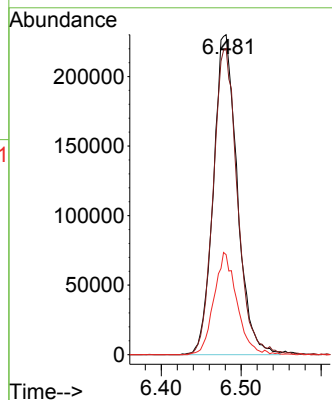
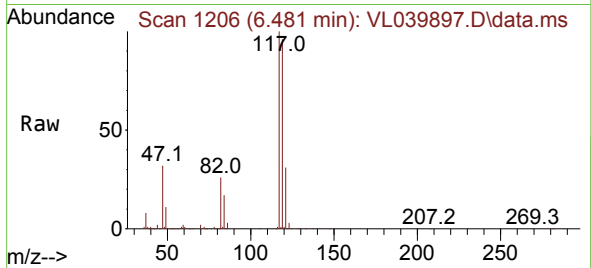




#35
Carbon Tetrachloride
Concen: 2.109 ppbv
RT: 6.481 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

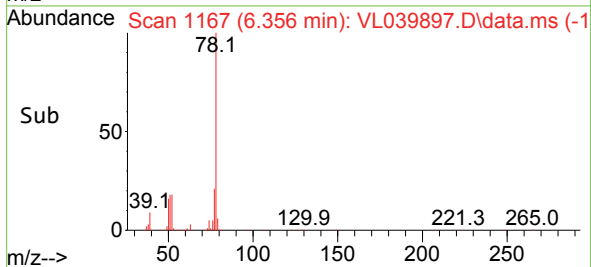
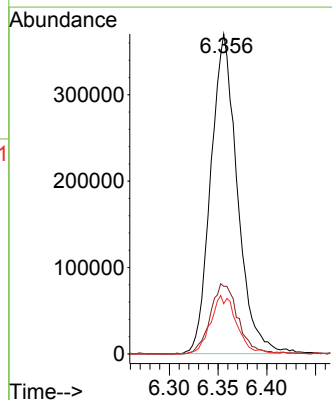
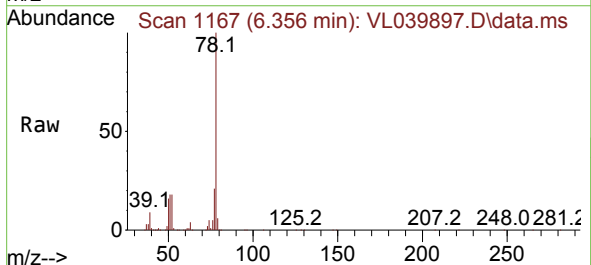
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

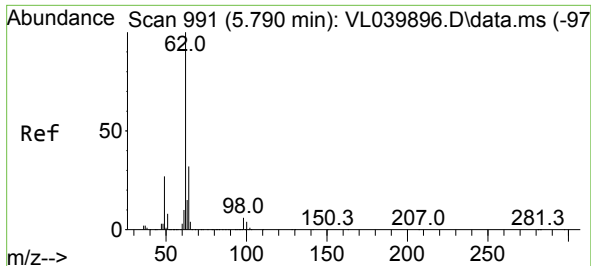
Tgt Ion:117 Resp: 474961
Ion Ratio Lower Upper
117 100
119 95.7 74.7 112.1
121 31.2 24.5 36.7



#36
Benzene
Concen: 2.072 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 78 Resp: 698453
Ion Ratio Lower Upper
78 100
77 21.2 18.2 27.2
50 15.7 15.8 23.8





#37

1,2-Dichloroethane

Concen: 0.996 ppbv

RT: 5.787 min Scan# 991

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

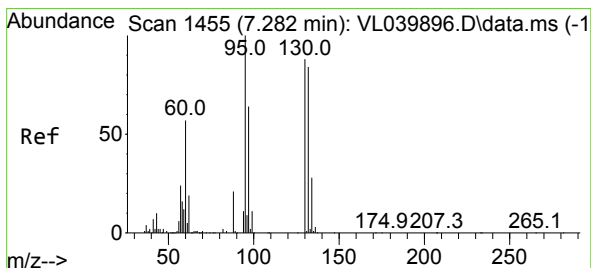
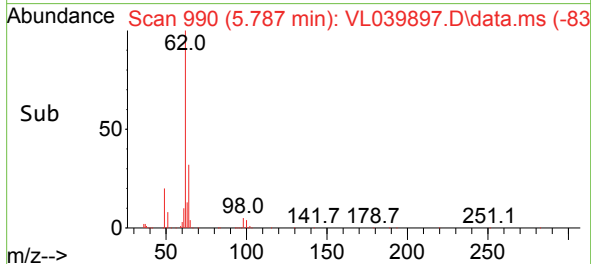
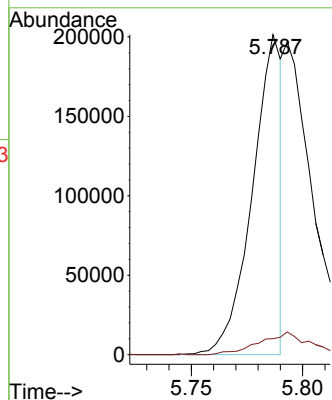
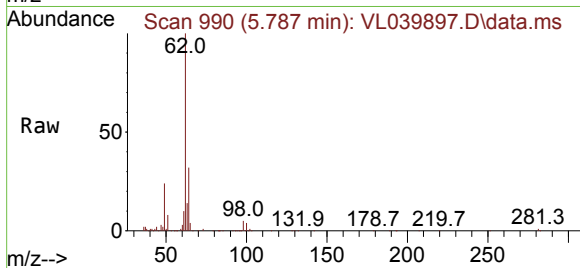
VSTDICC002

Tgt Ion: 62 Resp: 183864

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.6#



#38

Trichloroethene

Concen: 1.990 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Tgt Ion:130 Resp: 374851

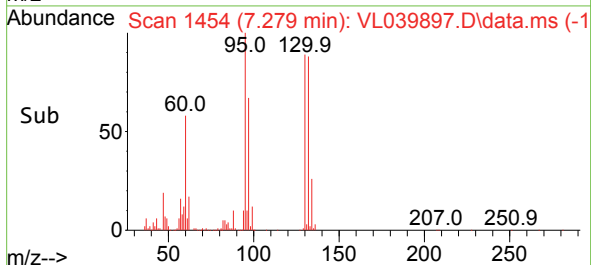
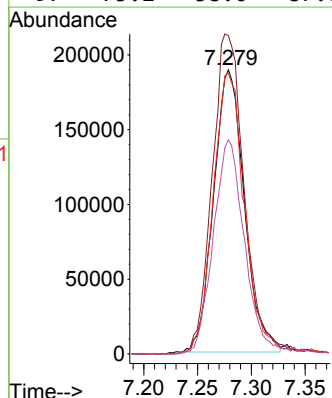
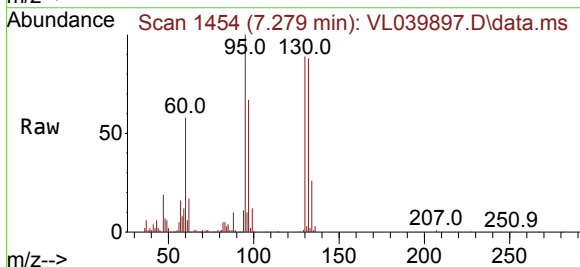
Ion Ratio Lower Upper

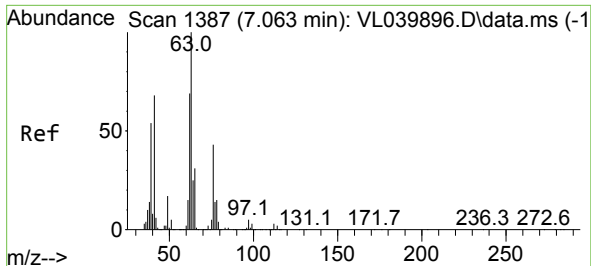
130 100

95 112.3 90.6 135.8

132 99.3 76.2 114.4

97 75.2 58.0 87.0





#39

1,2-Dichloropropane

Concen: 2.039 ppbv

RT: 7.060 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

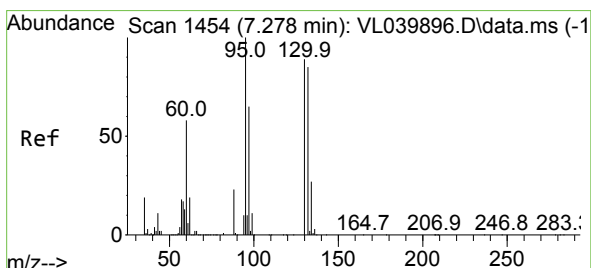
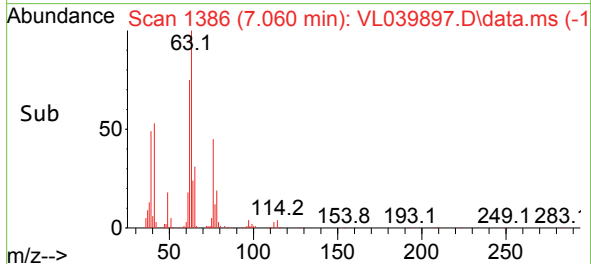
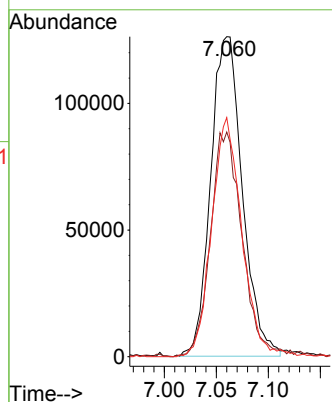
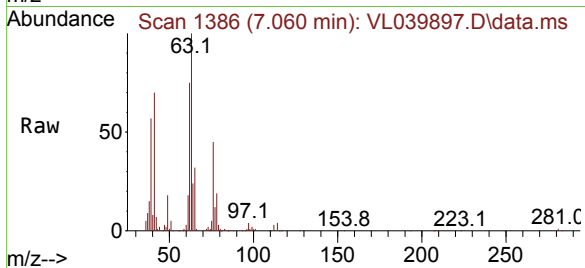
Tgt Ion: 63 Resp: 267723

Ion Ratio Lower Upper

63 100

41 69.9 54.7 82.1

62 74.3 55.0 82.6



#40

1,4-Dioxane

Concen: 0.920 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.013 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Tgt Ion: 88 Resp: 48145

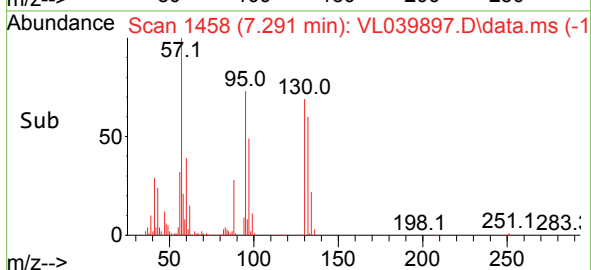
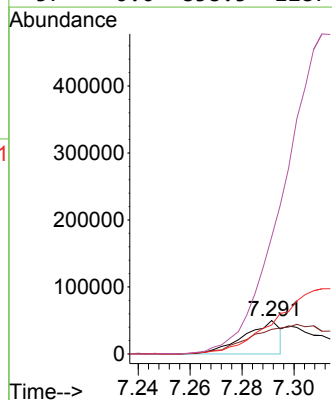
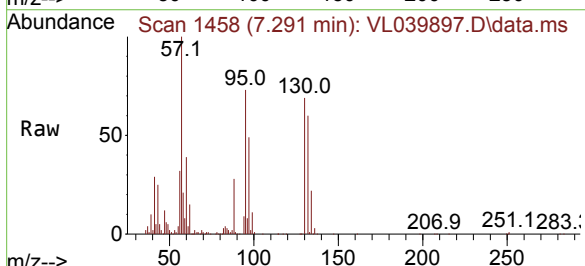
Ion Ratio Lower Upper

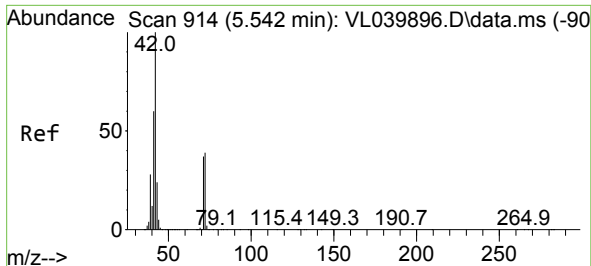
88 100

58 0.0 100.5 150.7#

43 0.0 195.8 293.8#

57 0.0 858.5 1287.7#





#41

Tetrahydrofuran

Concen: 2.034 ppbv

RT: 5.555 min Scan# 914

Delta R.T. 0.013 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

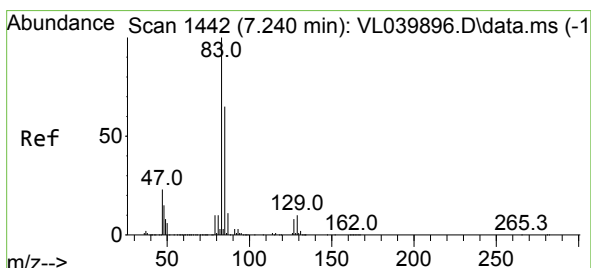
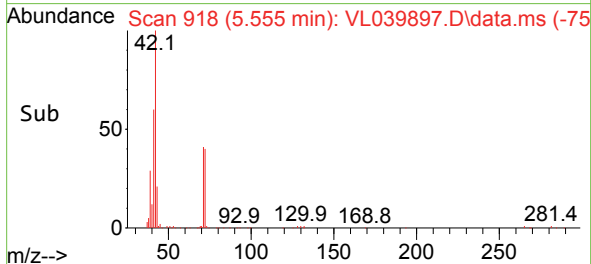
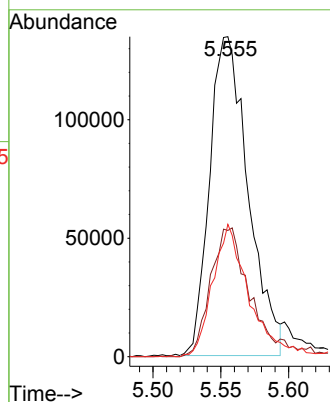
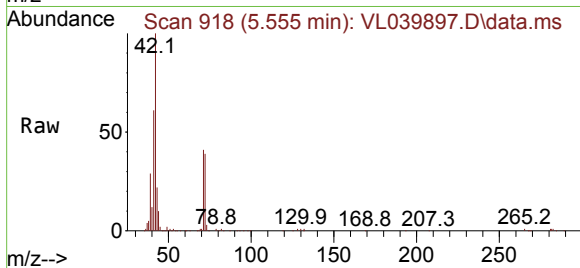
Tgt Ion: 42 Resp: 266361

Ion Ratio Lower Upper

42 100

72 42.7 31.6 47.4

71 40.6 31.2 46.8



#42

Bromodichloromethane

Concen: 2.057 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

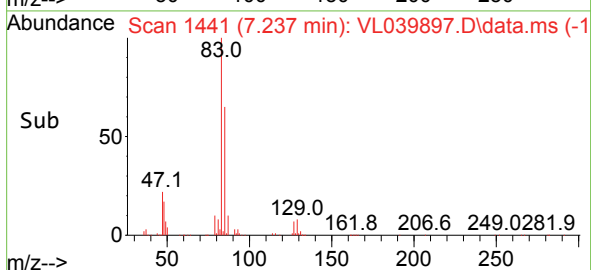
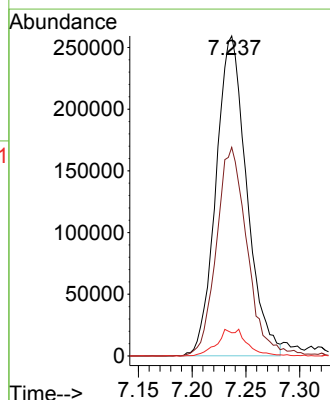
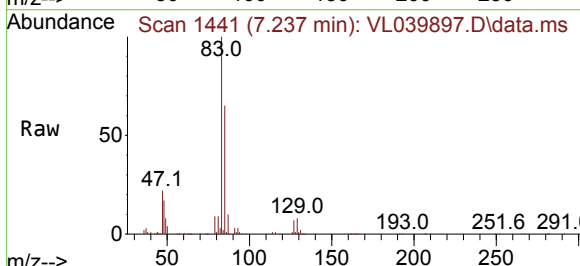
Tgt Ion: 83 Resp: 515200

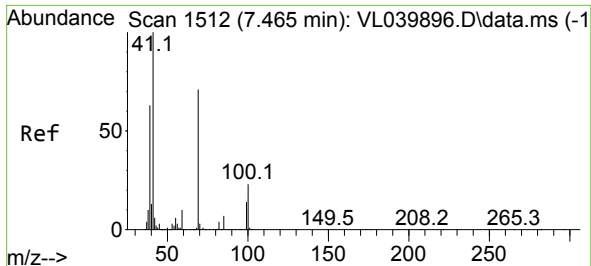
Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0

127 7.2 6.5 9.7

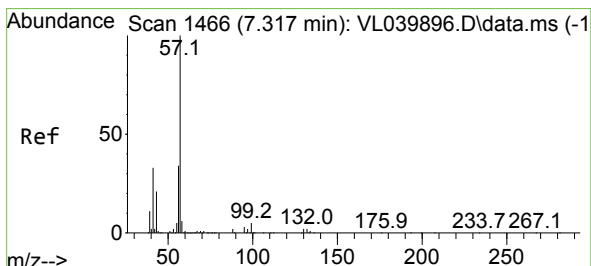
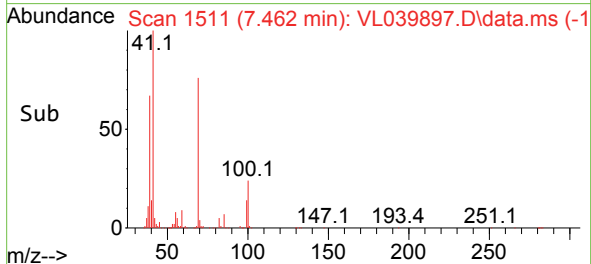
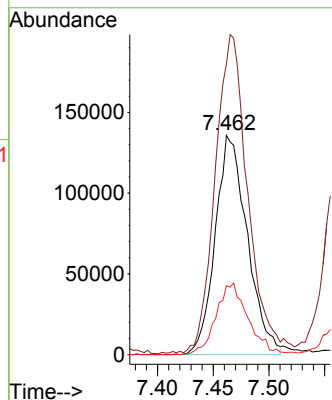
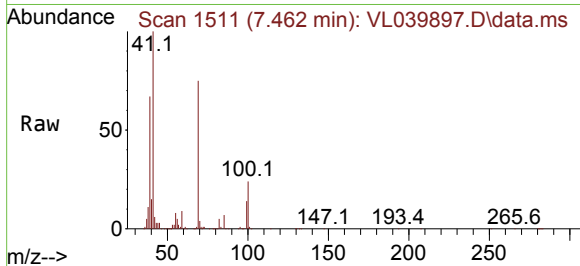




#43
Methyl Methacrylate
Concen: 2.056 ppbv
RT: 7.462 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

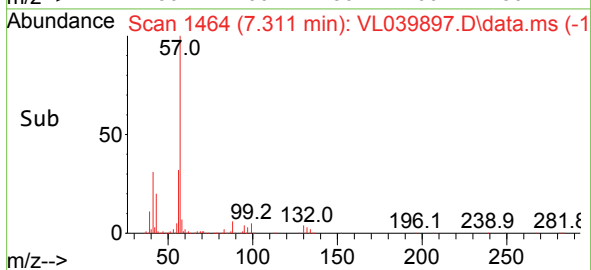
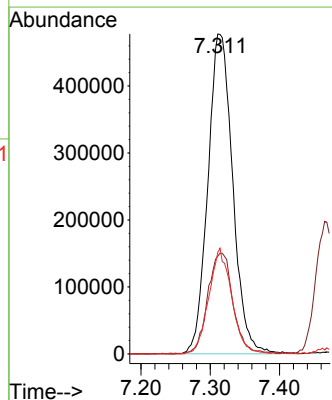
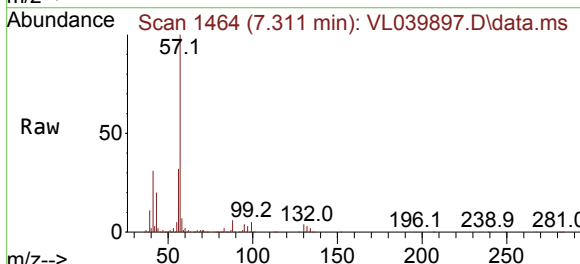
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

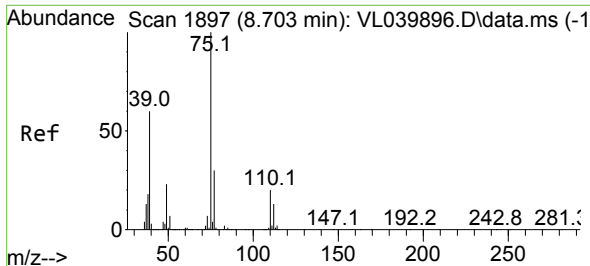
Tgt Ion: 69 Resp: 271693
Ion Ratio Lower Upper
69 100
41 148.0 116.4 174.6
100 33.0 26.8 40.2



#44
2,2,4-Trimethylpentane
Concen: 2.109 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 57 Resp: 1186385
Ion Ratio Lower Upper
57 100
41 32.2 26.2 39.2
56 30.7 25.5 38.3

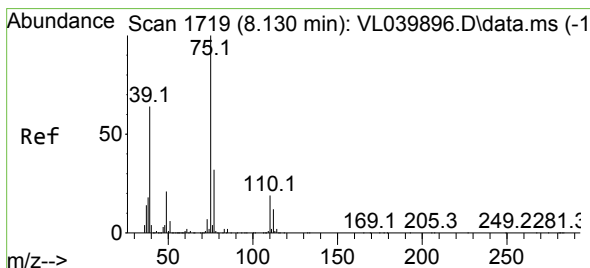
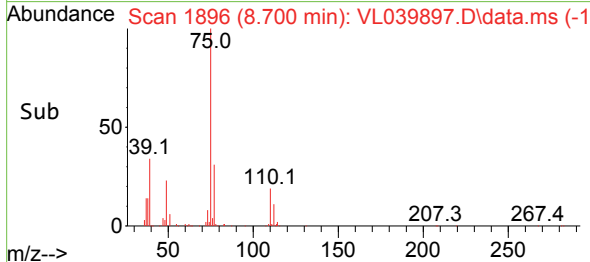
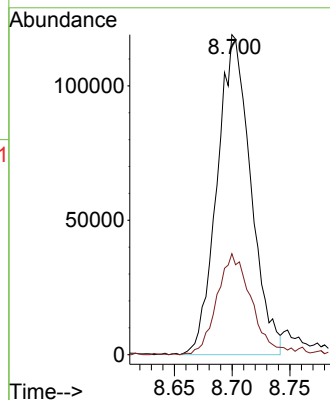
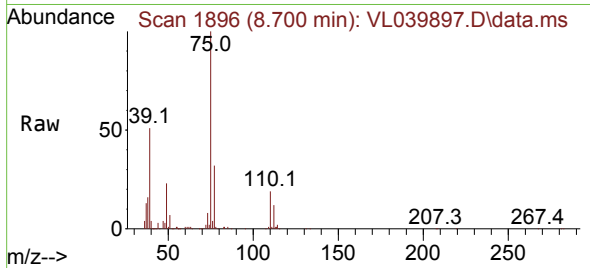




#45
 t-1,3-Dichloropropene
 Concen: 1.979 ppbv
 RT: 8.700 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

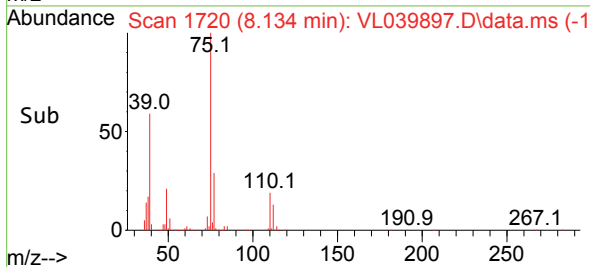
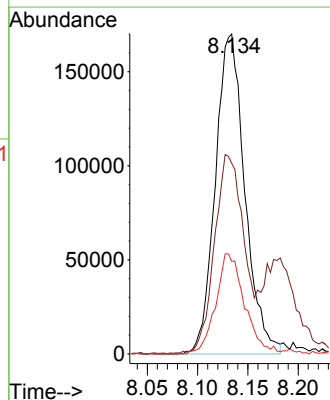
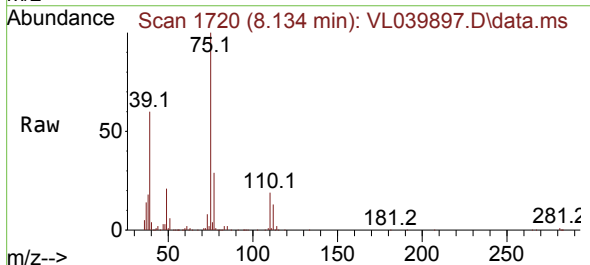
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

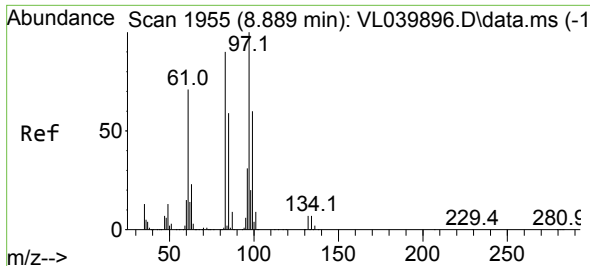
Tgt Ion: 75 Resp: 241566
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.2 36.4



#46
 cis-1,3-Dichloropropene
 Concen: 2.050 ppbv
 RT: 8.134 min Scan# 1720
 Delta R.T. 0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 75 Resp: 346622
 Ion Ratio Lower Upper
 75 100
 39 59.3 51.0 76.4
 77 28.8 25.4 38.0

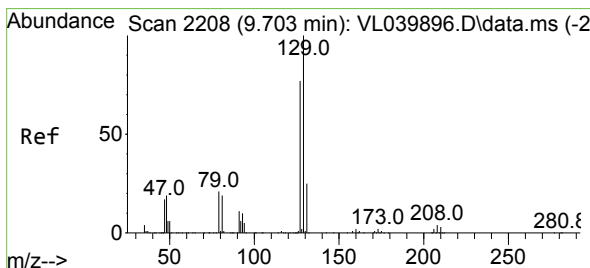
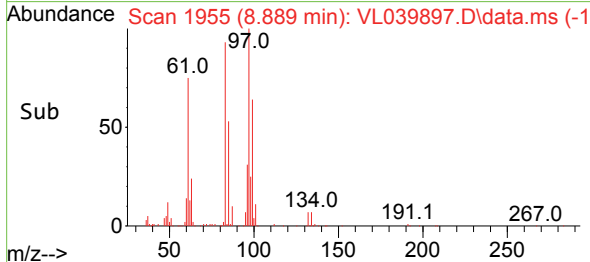
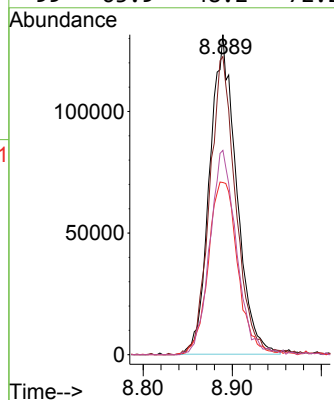
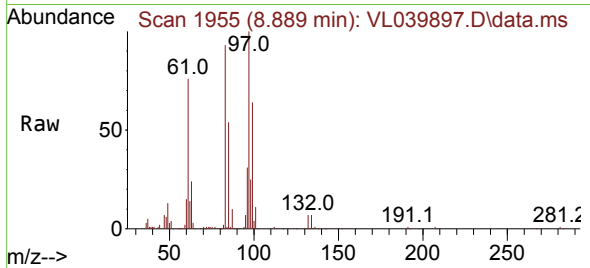




#47
 1,1,2-Trichloroethane
 Concen: 2.031 ppbv
 RT: 8.889 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

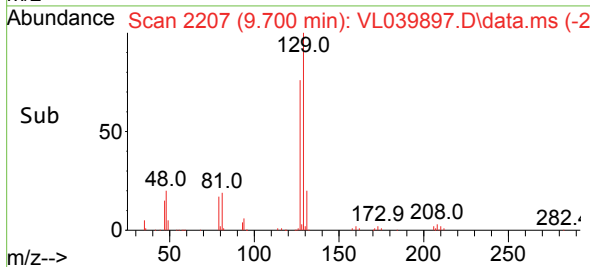
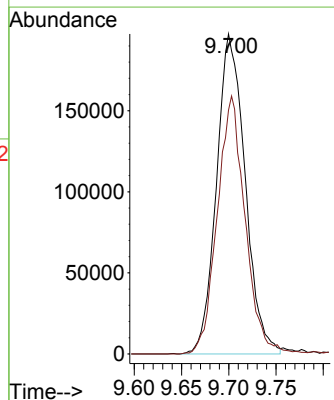
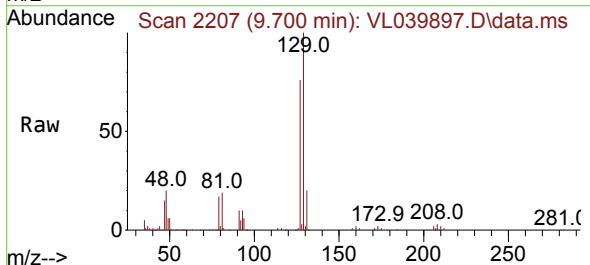
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

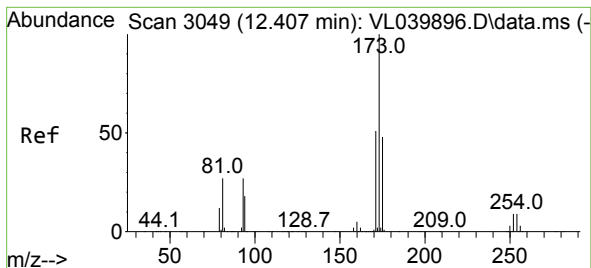
Tgt Ion:	97	Resp:	274086
Ion	Ratio	Lower	Upper
97	100		
83	93.1	72.1	108.1
85	53.5	47.2	70.8
99	63.9	48.2	72.2



#48
 Dibromochloromethane
 Concen: 2.098 ppbv
 RT: 9.700 min Scan# 2207
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion:	129	Resp:	414749
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.3





#49

Bromoform

Concen: 2.076 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

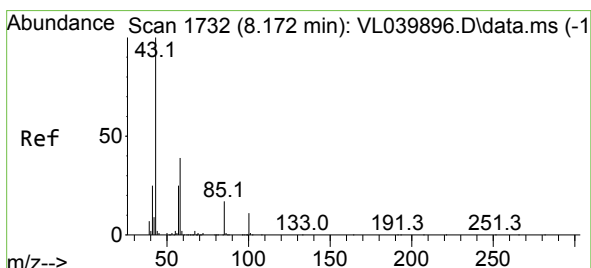
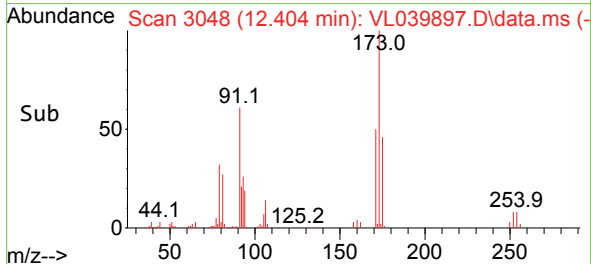
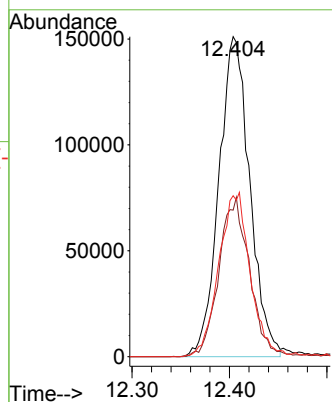
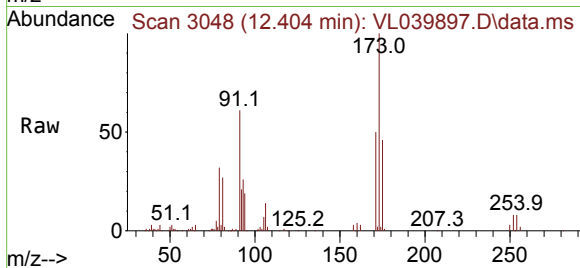
Tgt Ion:173 Resp: 332124

Ion Ratio Lower Upper

173 100

175 50.0 39.1 58.7

171 52.3 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 2.112 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.007 min

Lab File: VL039897.D

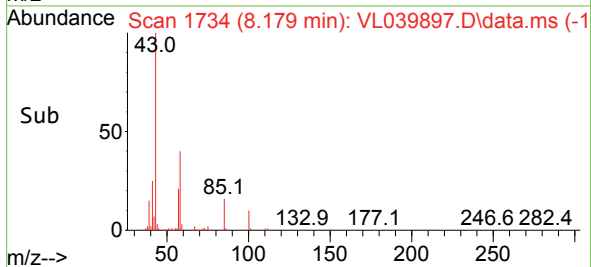
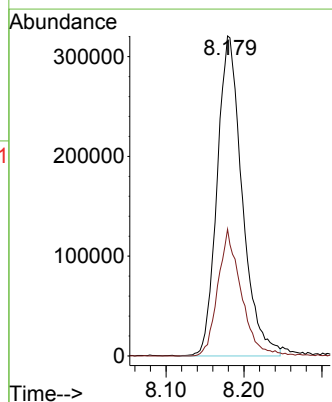
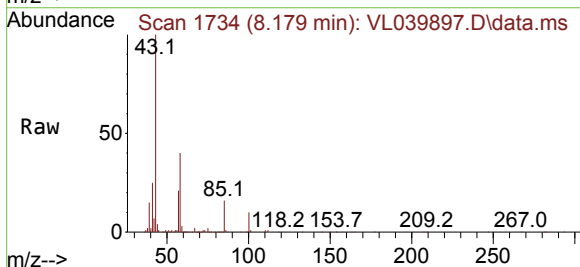
Acq: 18 Nov 2022 9:26

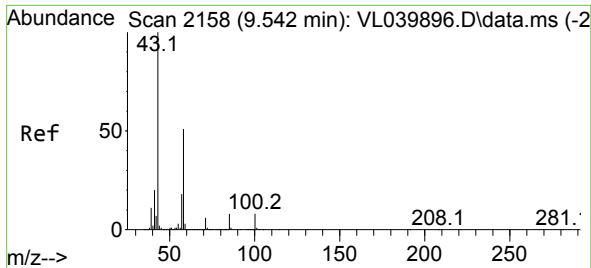
Tgt Ion: 43 Resp: 717725

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.6

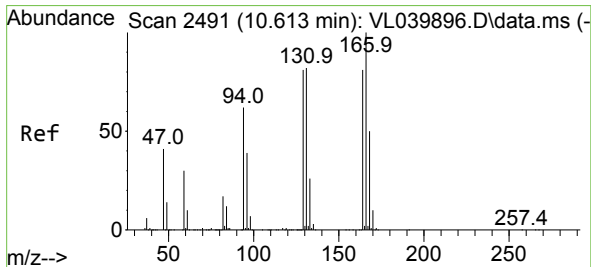
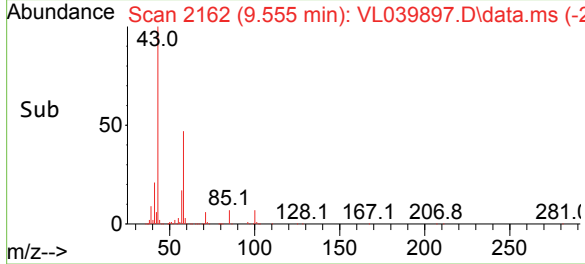
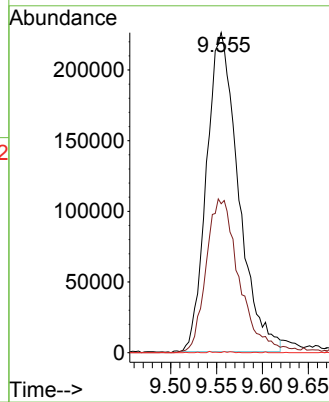
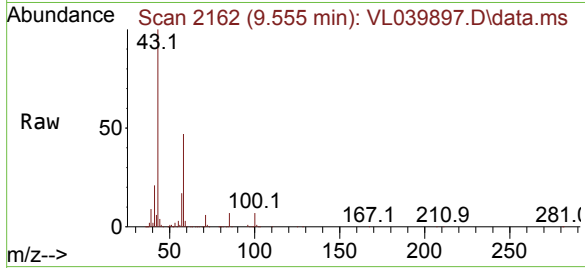




#51
2-Hexanone
Concen: 2.074 ppbv
RT: 9.555 min Scan# 2158
Delta R.T. 0.013 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

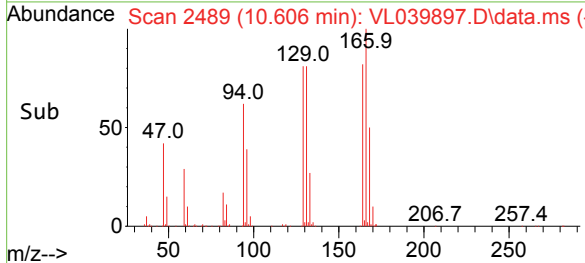
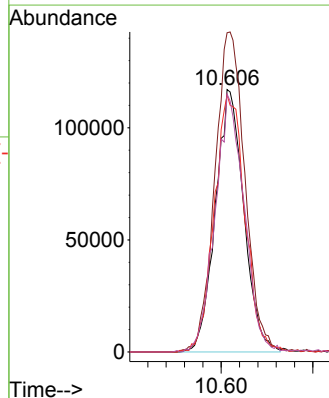
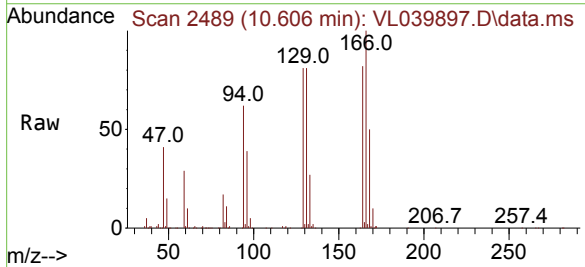
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

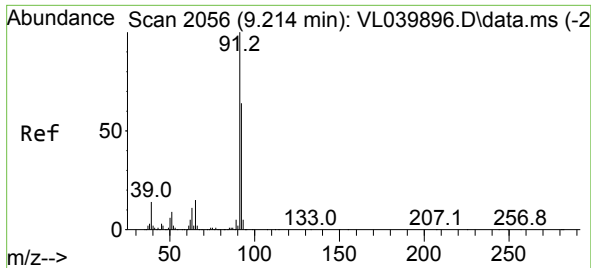
Tgt Ion: 43 Resp: 547166
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.4
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.997 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.006 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 164 Resp: 251755
Ion Ratio Lower Upper
164 100
166 121.3 98.3 147.5
129 97.4 79.7 119.5
131 98.3 80.2 120.4





#53

Toluene

Concen: 2.083 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

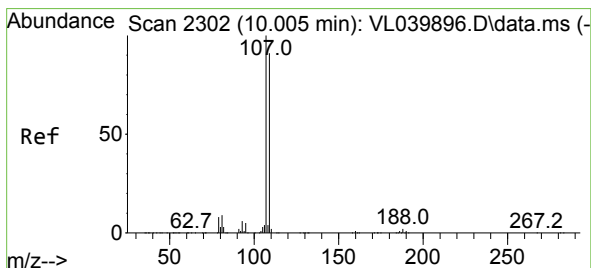
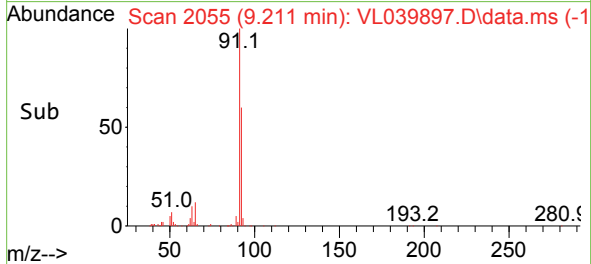
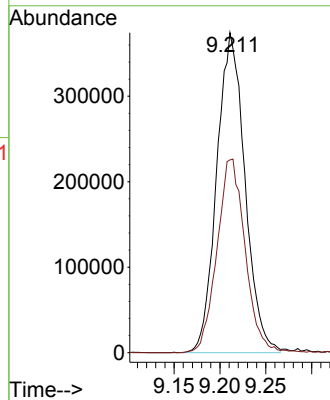
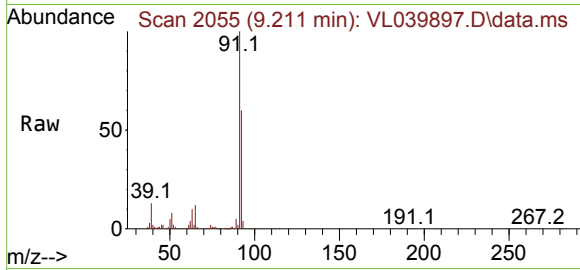
VSTDICC002

Tgt Ion: 91 Resp: 799782

Ion Ratio Lower Upper

91 100

92 60.9 49.8 74.6



#54

1,2-Dibromoethane

Concen: 2.099 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. -0.003 min

Lab File: VL039897.D

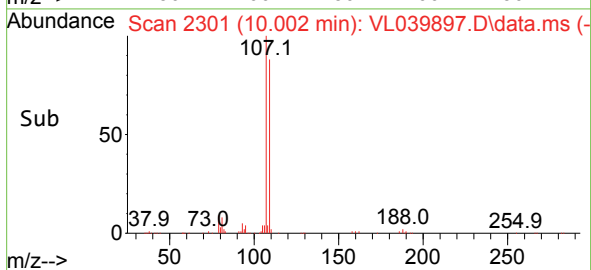
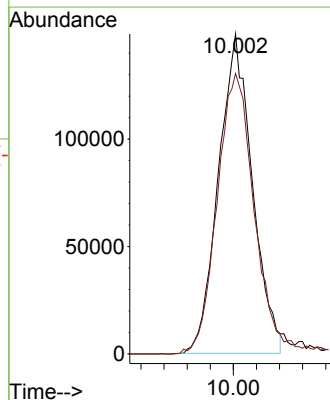
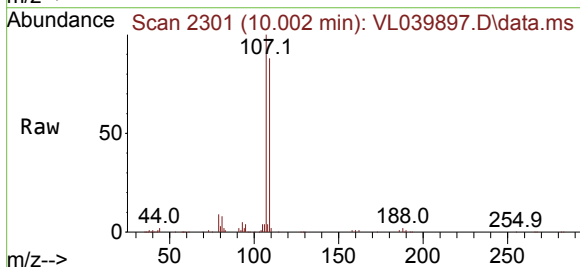
Acq: 18 Nov 2022 9:26

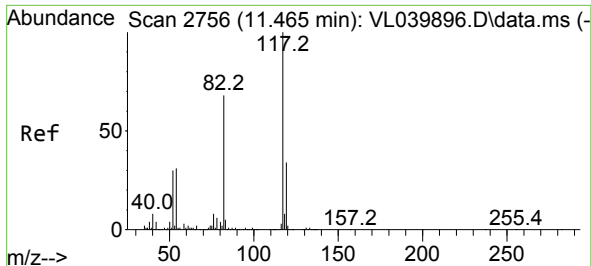
Tgt Ion: 107 Resp: 302253

Ion Ratio Lower Upper

107 100

109 87.7 72.8 109.2

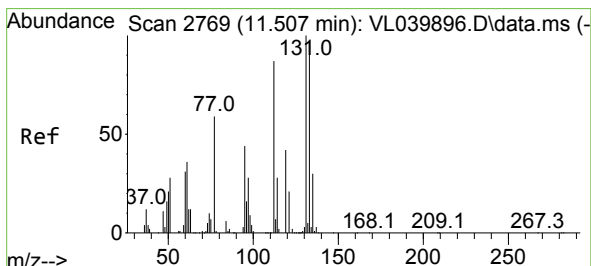
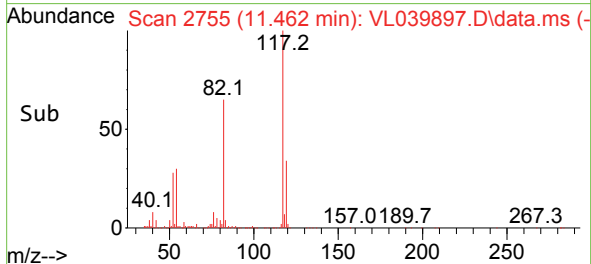
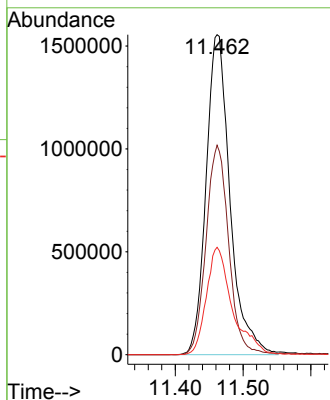
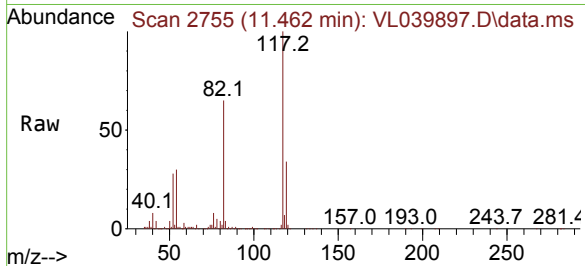




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

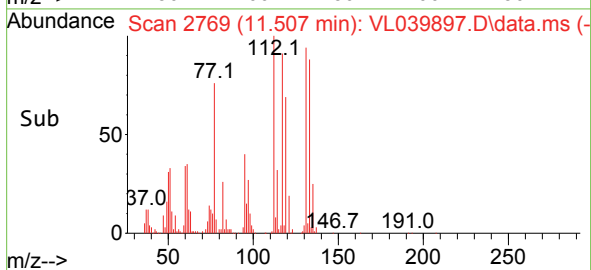
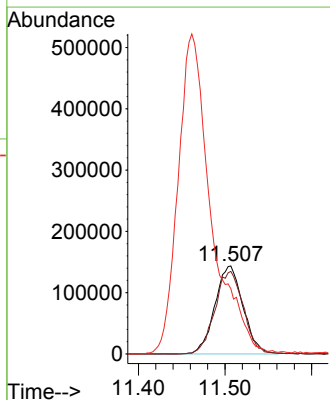
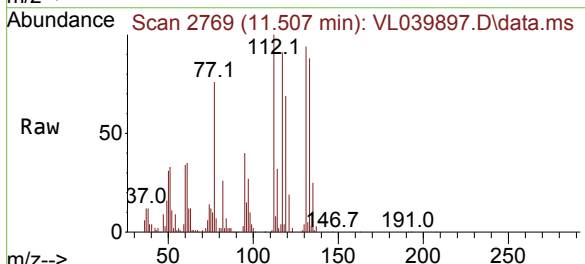
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

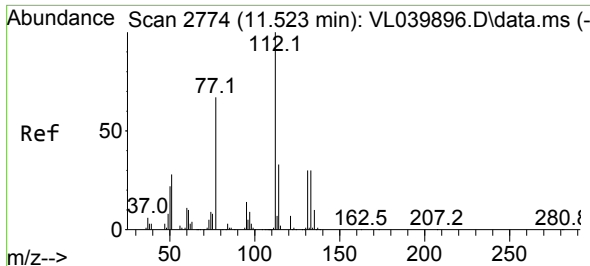
Tgt Ion:117 Resp: 3808552
Ion Ratio Lower Upper
117 100
82 63.0 52.3 78.5
119 36.8 25.7 38.5



#56
1,1,1,2-Tetrachloroethane
Concen: 2.079 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion:131 Resp: 323678
Ion Ratio Lower Upper
131 100
133 95.3 76.7 115.1
119 430.0 46.6 69.8#

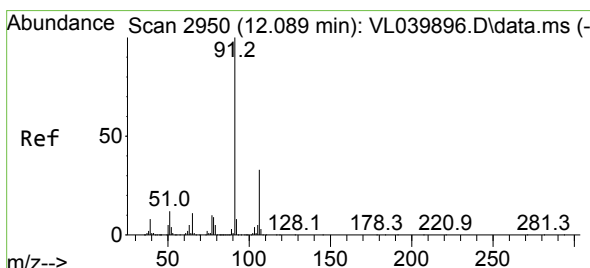
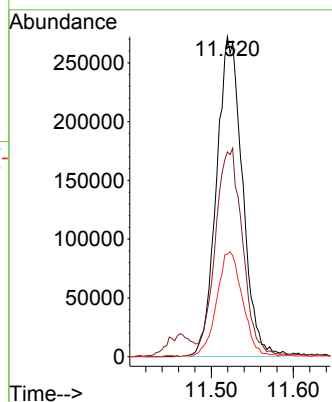
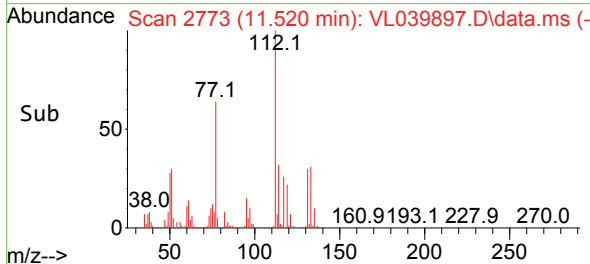
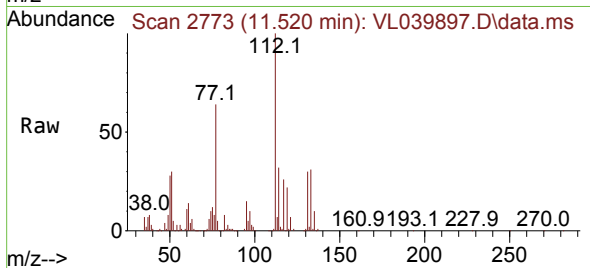




#57
Chlorobenzene
Concen: 2.053 ppbv
RT: 11.520 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

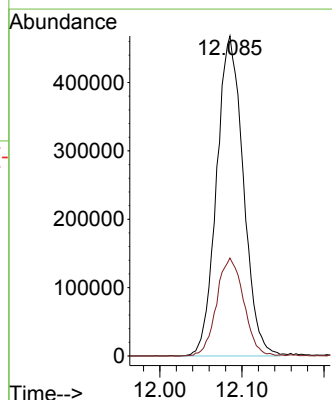
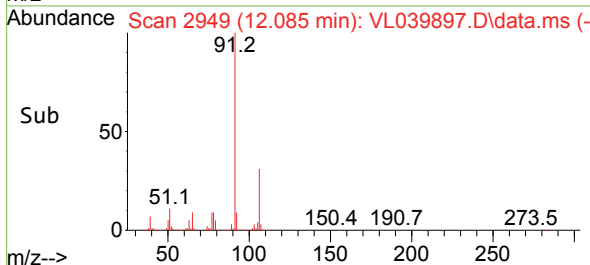
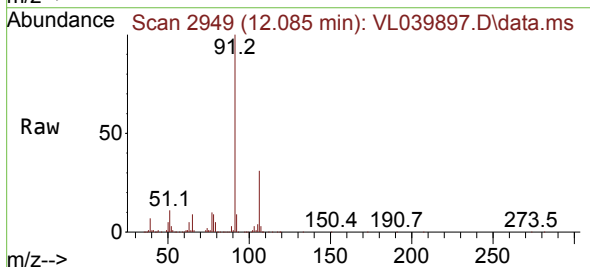
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

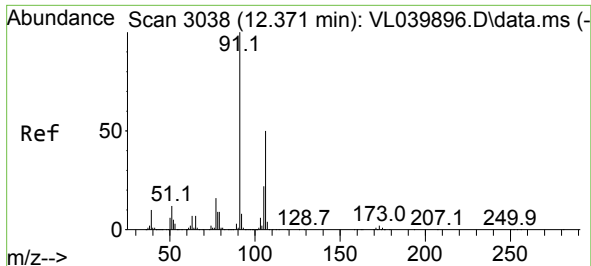
Tgt Ion:112 Resp: 597817
Ion Ratio Lower Upper
112 100
77 63.2 54.6 81.8
114 32.1 30.1 36.7



#58
Ethyl Benzene
Concen: 2.053 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 91 Resp: 1060597
Ion Ratio Lower Upper
91 100
106 30.6 26.1 39.1





#59

m/p-Xylene

Concen: 2.159 ppbv

RT: 12.362 min Scan# 3035

Delta R.T. -0.010 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

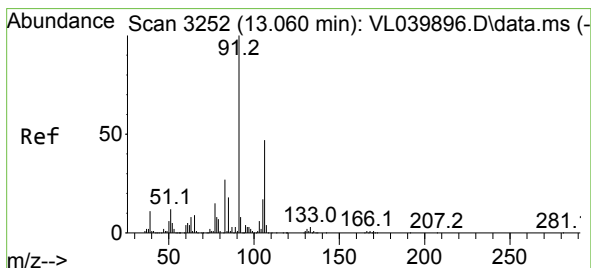
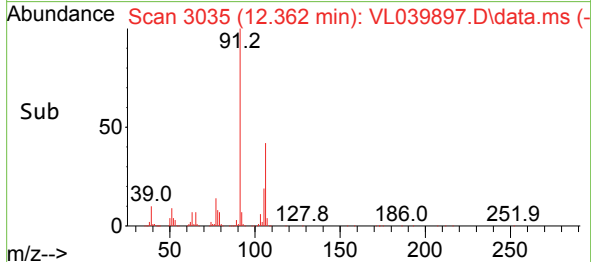
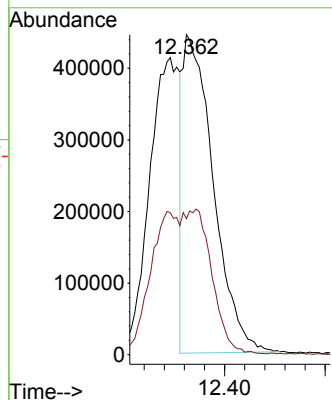
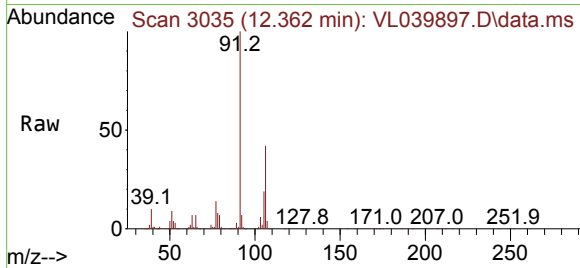
VSTDIC002

Tgt Ion: 91 Resp: 933546

Ion Ratio Lower Upper

91 100

106 87.4 37.0 55.6#



#60

o-Xylene

Concen: 2.073 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.003 min

Lab File: VL039897.D

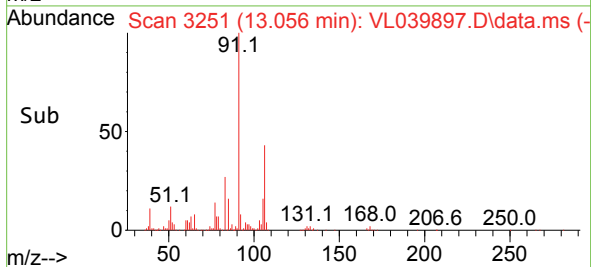
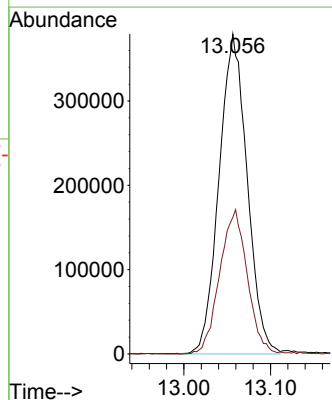
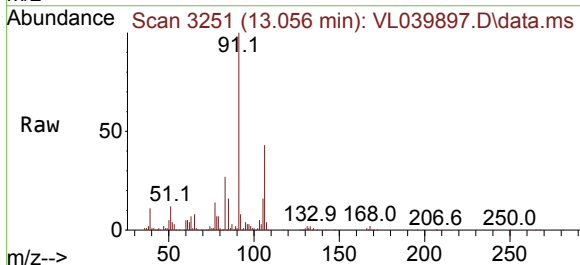
Acq: 18 Nov 2022 9:26

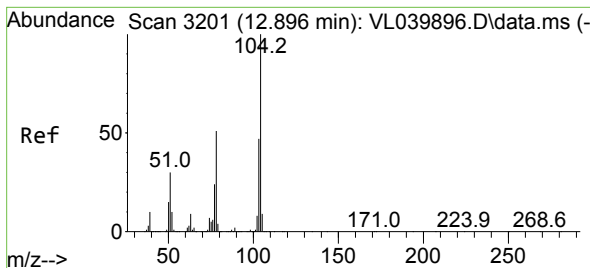
Tgt Ion: 91 Resp: 854848

Ion Ratio Lower Upper

91 100

106 44.6 23.2 69.6





#61

Styrene

Concen: 2.054 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

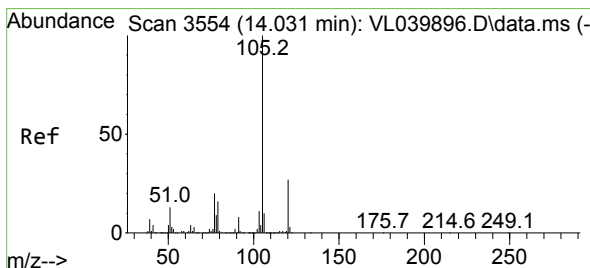
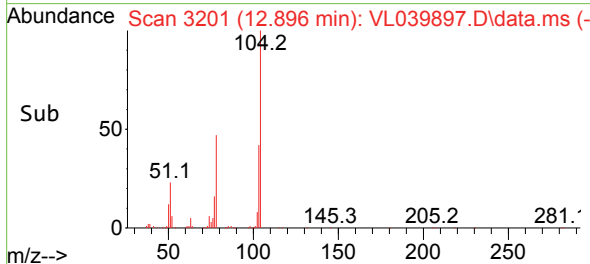
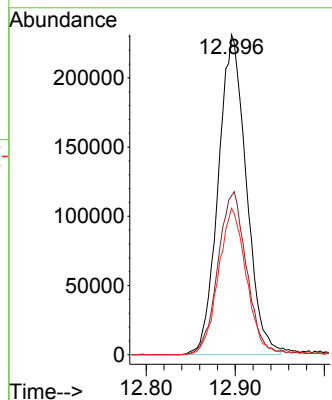
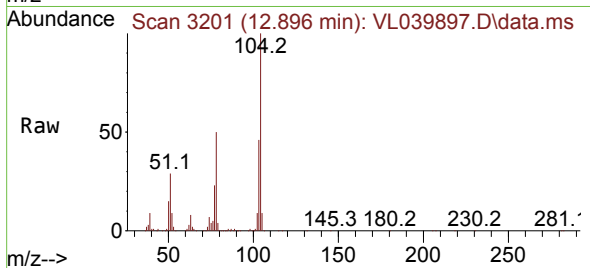
Tgt Ion:104 Resp: 505651

Ion Ratio Lower Upper

104 100

78 52.7 41.8 62.8

103 46.5 37.2 55.8



#62

Isopropylbenzene

Concen: 2.099 ppbv

RT: 14.028 min Scan# 3553

Delta R.T. -0.003 min

Lab File: VL039897.D

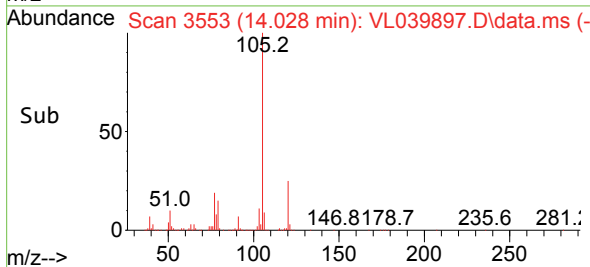
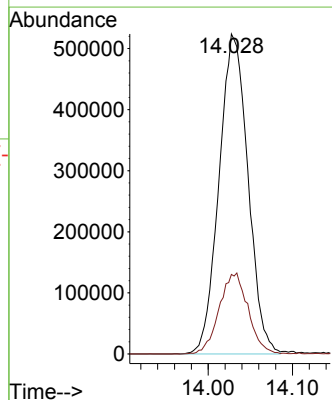
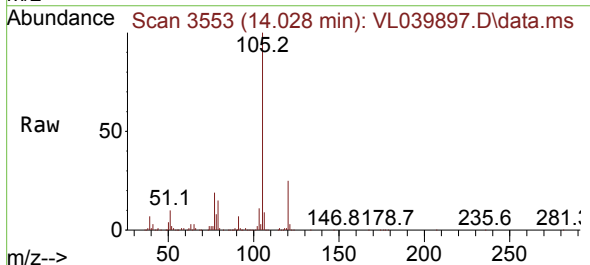
Acq: 18 Nov 2022 9:26

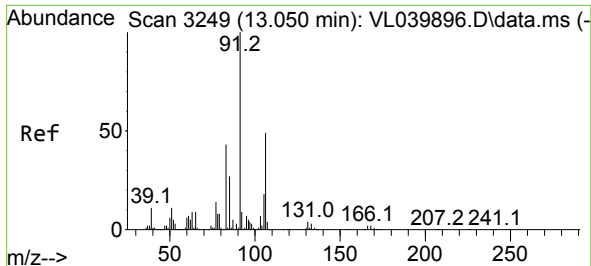
Tgt Ion:105 Resp: 1248157

Ion Ratio Lower Upper

105 100

120 25.4 21.4 32.2

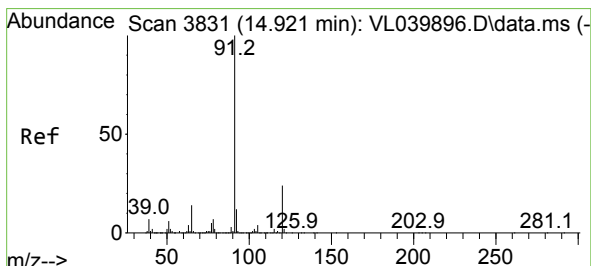
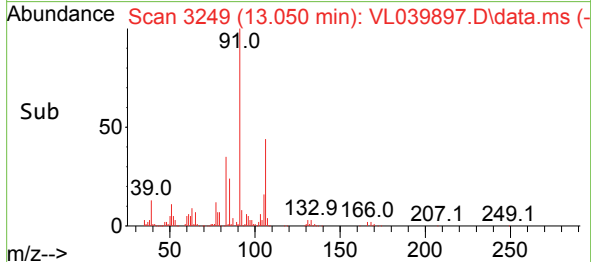
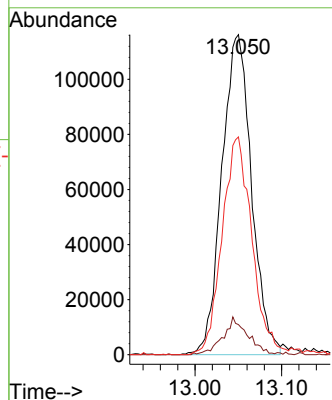
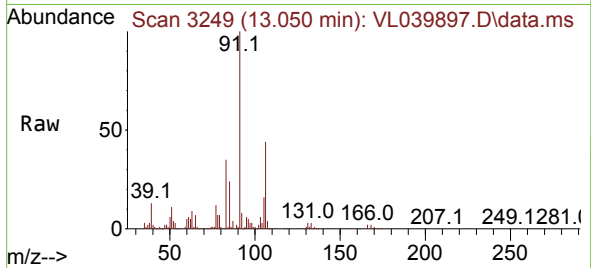




#63
1,1,2,2-Tetrachloroethane
Concen: 2.009 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

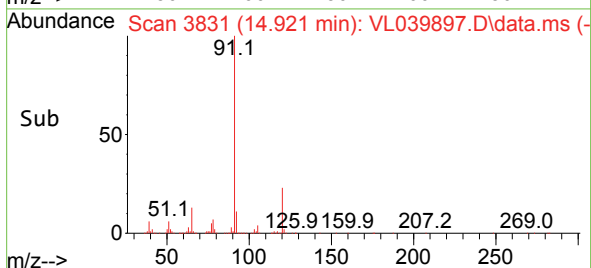
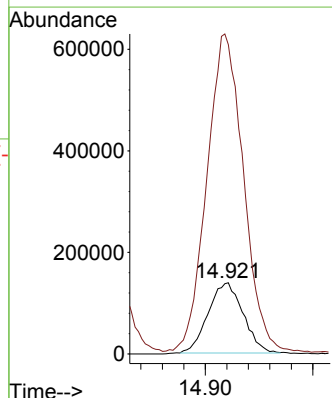
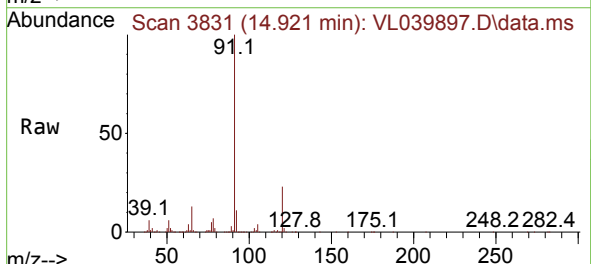
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

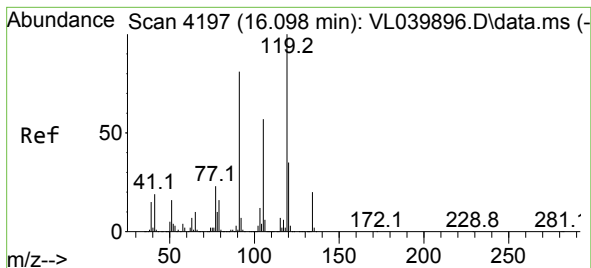
Tgt Ion: 83 Resp: 276619
Ion Ratio Lower Upper
83 100
131 10.1 4.6 13.8
85 69.5 33.0 99.0



#64
n-propylbenzene
Concen: 2.007 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. 0.000 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 120 Resp: 312165
Ion Ratio Lower Upper
120 100
91 485.4 353.7 530.5

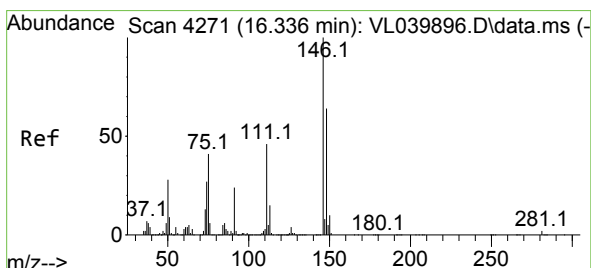
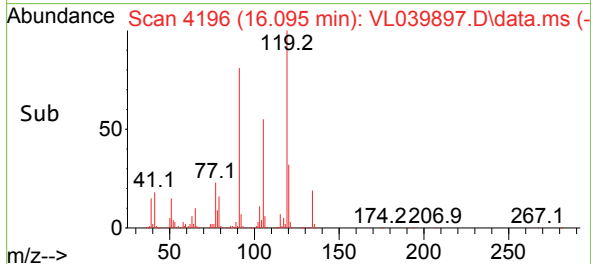
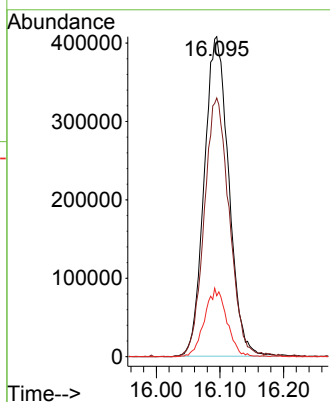
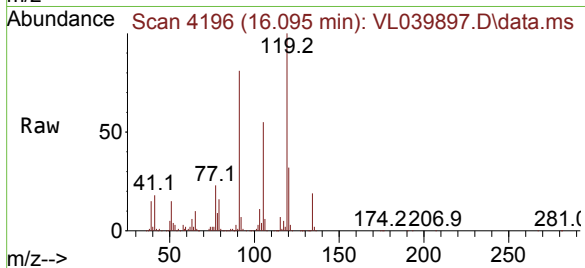




#65
tert-Butylbenzene
Concen: 2.099 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

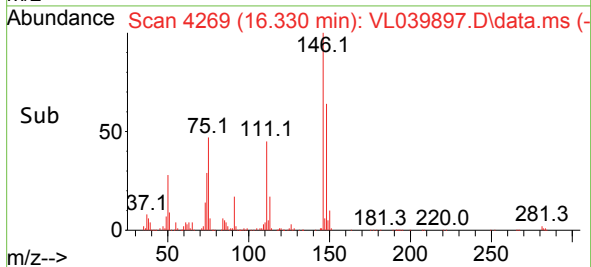
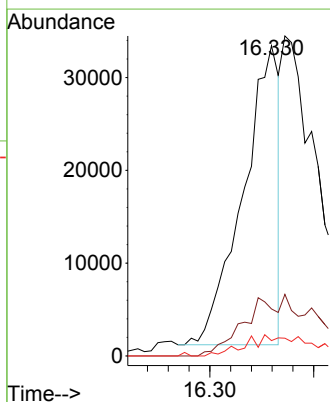
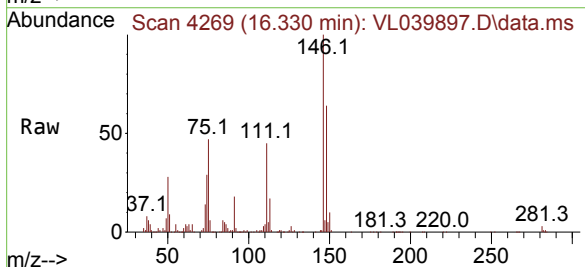
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

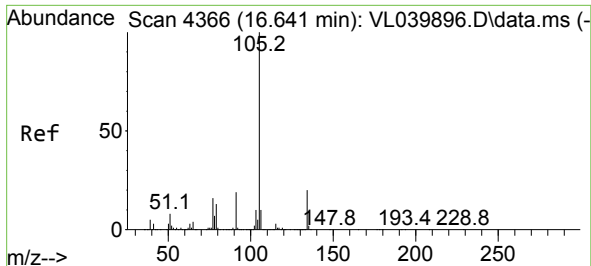
Tgt Ion:119 Resp: 1092228
Ion Ratio Lower Upper
119 100
91 83.2 65.8 98.8
134 19.4 16.1 24.1



#66
Benzyl Chloride
Concen: 0.869 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. -0.006 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 91 Resp: 38746
Ion Ratio Lower Upper
91 100
126 0.0 15.0 22.6#
128 13.5 4.6 7.0#

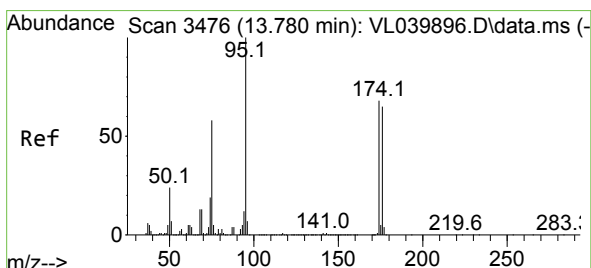
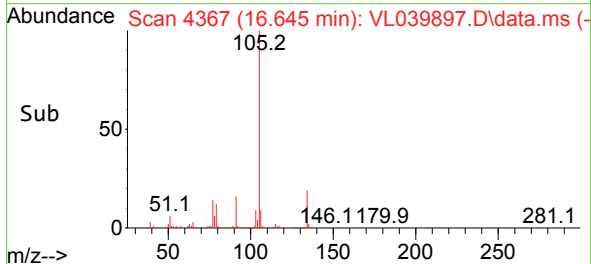
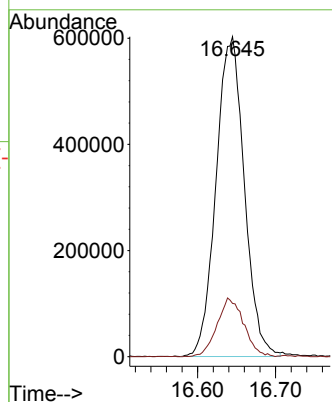
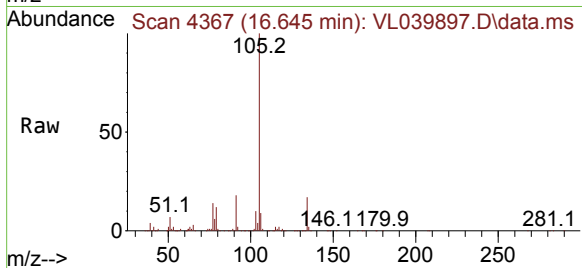




#67
 sec-Butylbenzene
 Concen: 2.124 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

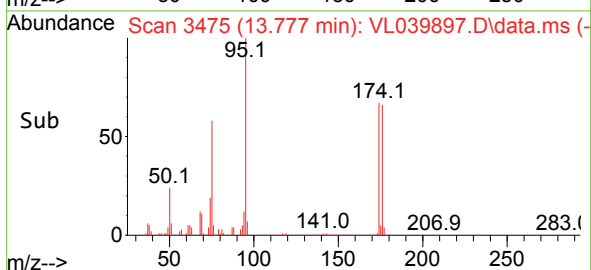
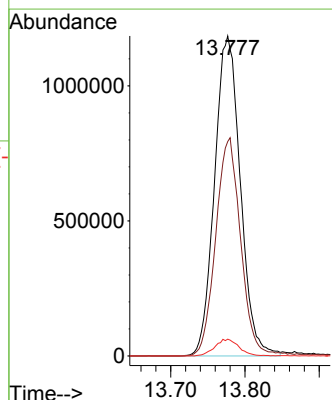
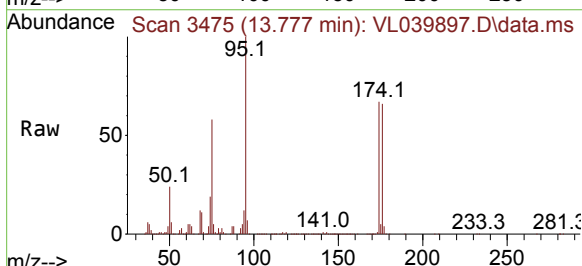
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

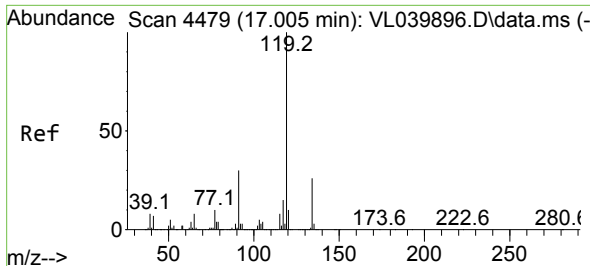
Tgt Ion:105 Resp: 1519580
 Ion Ratio Lower Upper
 105 100
 134 17.7 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.828 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. -0.003 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Tgt Ion: 95 Resp: 2858867
 Ion Ratio Lower Upper
 95 100
 174 67.0 53.7 80.5
 175 5.0 4.0 6.0

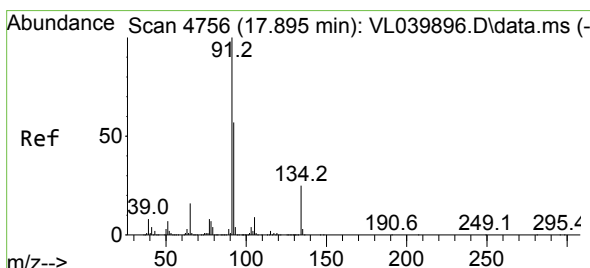
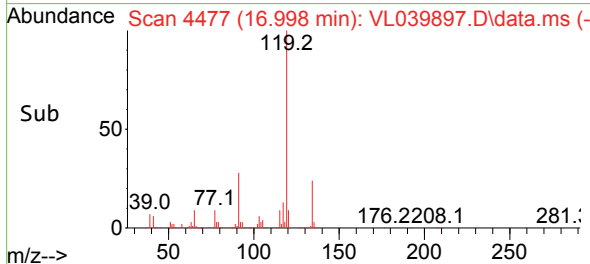
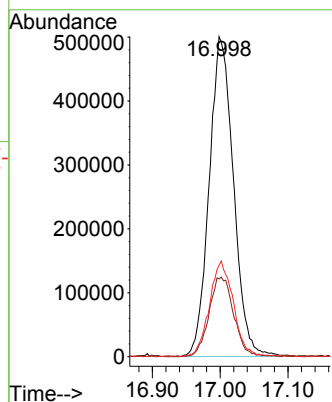
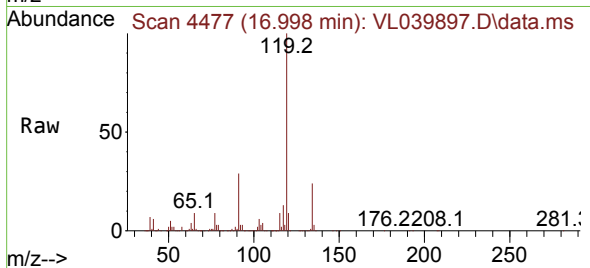




#69
p-Isopropyltoluene
Concen: 2.112 ppbv
RT: 16.998 min Scan# 4477
Delta R.T. -0.006 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

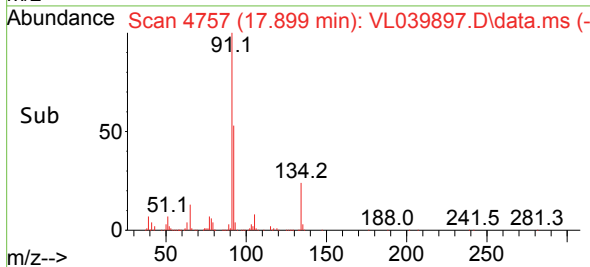
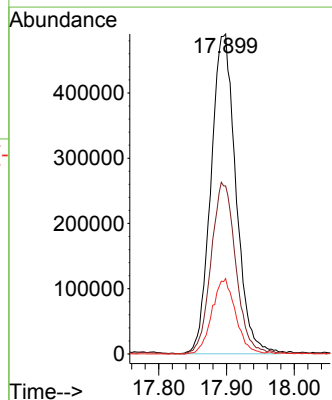
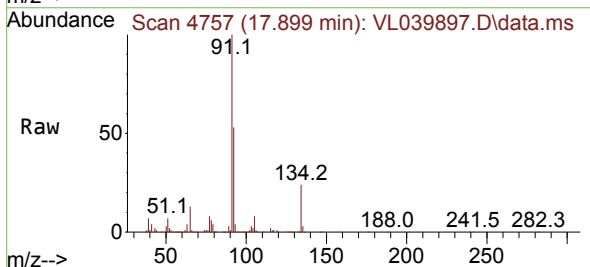
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

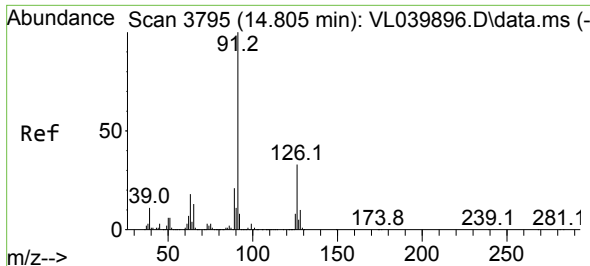
Tgt Ion:119 Resp: 1244452
Ion Ratio Lower Upper
119 100
134 25.4 21.0 31.4
91 29.7 24.4 36.6



#70
n-Butylbenzene
Concen: 2.144 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 91 Resp: 1252368
Ion Ratio Lower Upper
91 100
92 53.6 44.2 66.2
134 22.6 18.8 28.2

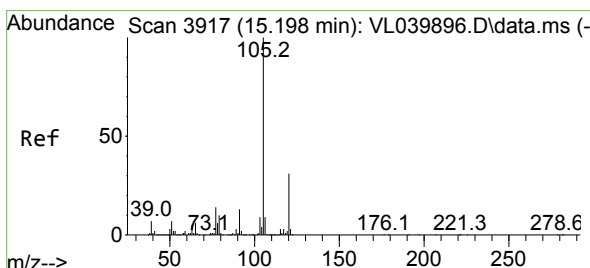
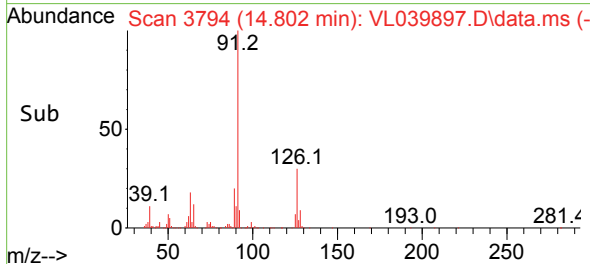
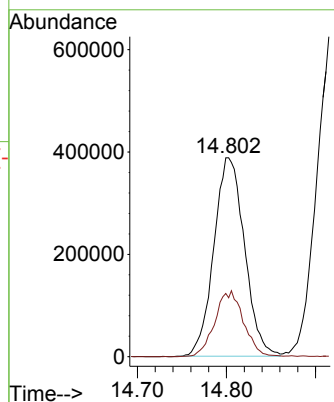
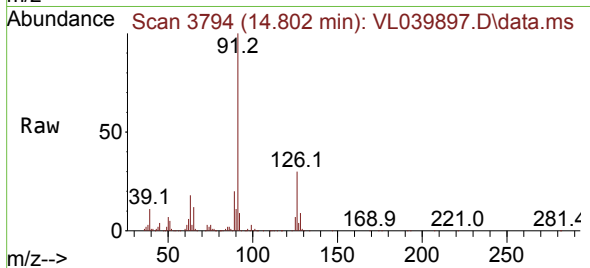




#71
2-Chlorotoluene
Concen: 2.059 ppbv
RT: 14.802 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

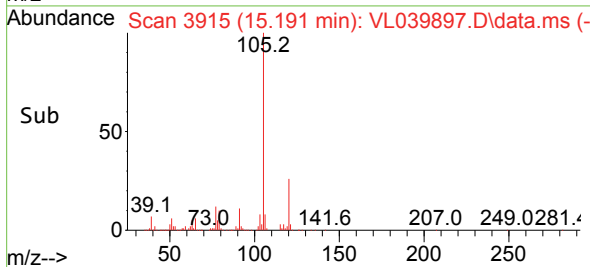
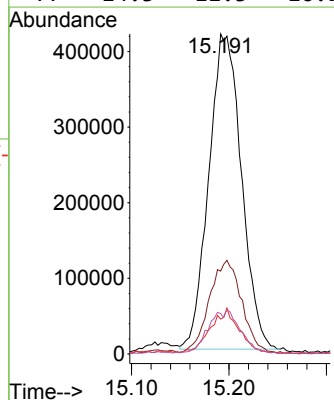
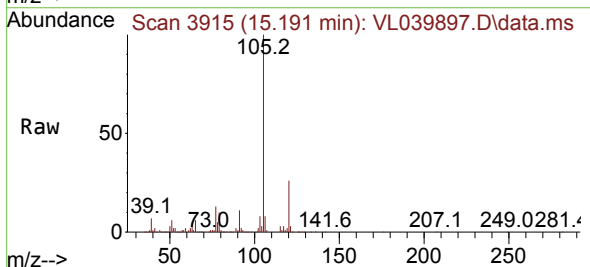
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

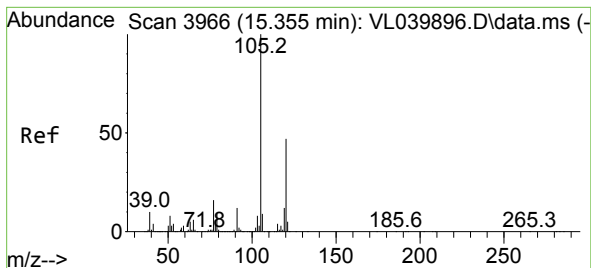
Tgt Ion: 91 Resp: 928036
Ion Ratio Lower Upper
91 100
126 31.3 12.8 51.0



#72
4-Ethyltoluene
Concen: 2.092 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. -0.006 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion: 105 Resp: 969795
Ion Ratio Lower Upper
105 100
120 29.9 24.5 36.7
91 13.0 10.4 15.6
77 14.3 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 2.071 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.000 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

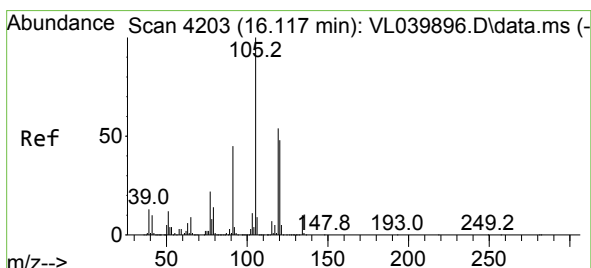
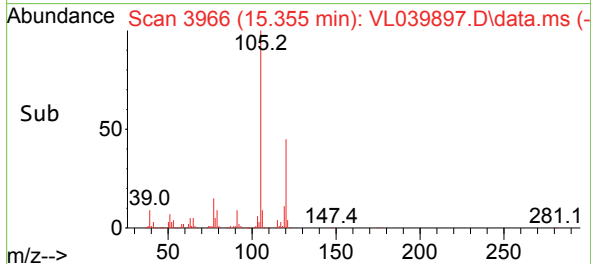
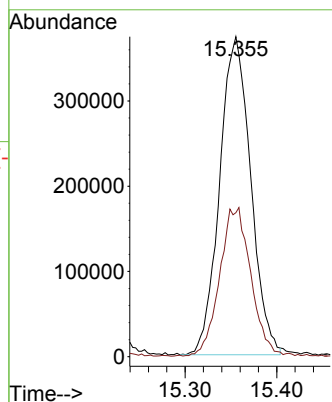
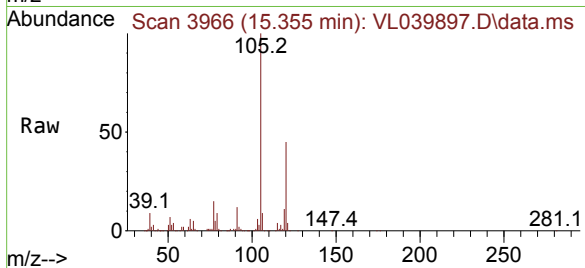
VSTDIC002

Tgt Ion:105 Resp: 878671

Ion Ratio Lower Upper

105 100

120 44.8 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 2.086 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Tgt Ion:105 Resp: 937330

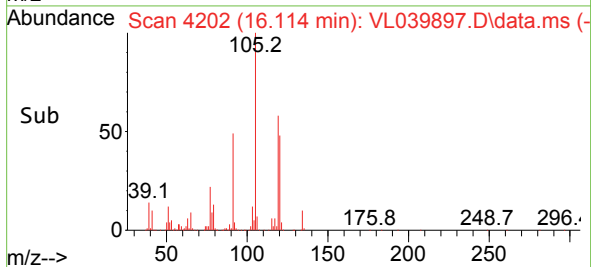
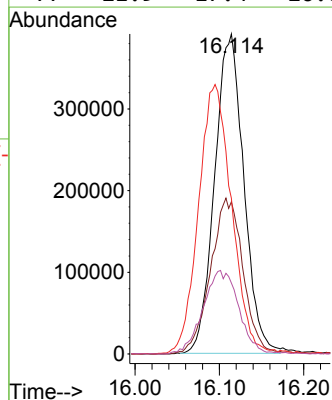
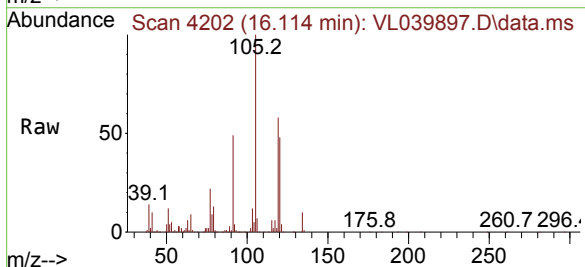
Ion Ratio Lower Upper

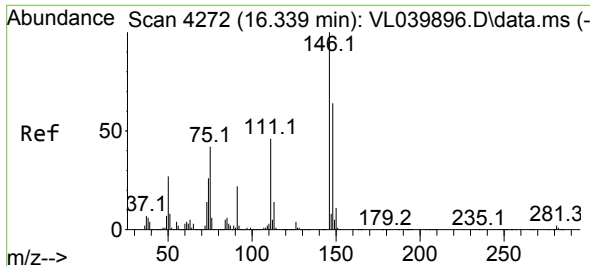
105 100

120 46.9 38.7 58.1

91 47.6 36.4 54.6

77 21.9 17.4 26.0

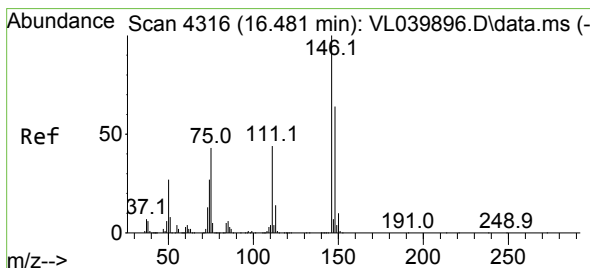
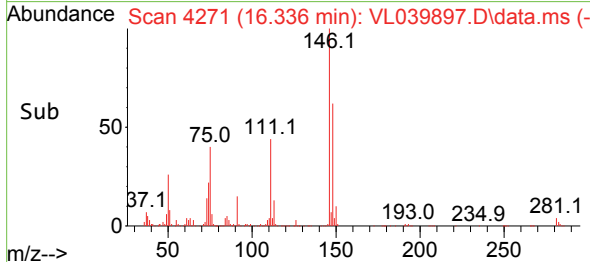
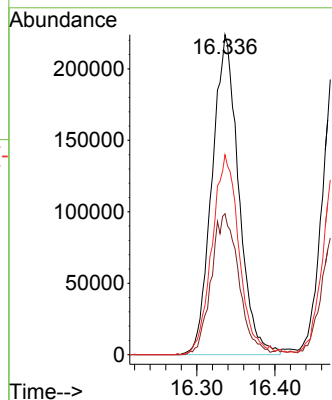
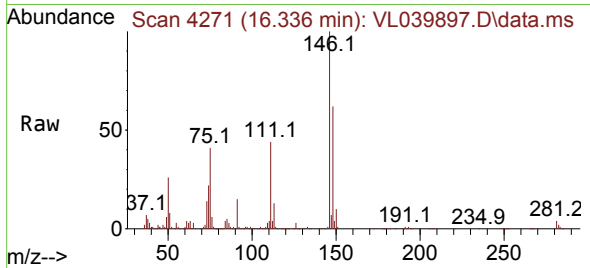




#75
1,3-Dichlorobenzene
Concen: 2.102 ppbv
RT: 16.336 min Scan# 4315
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

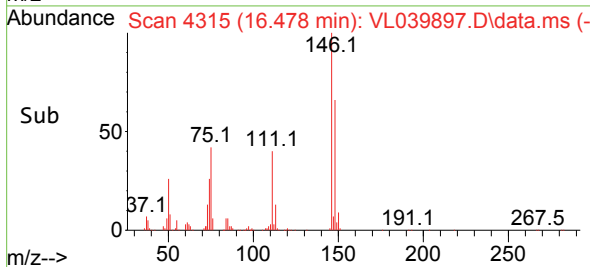
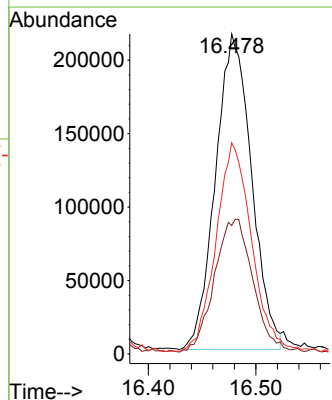
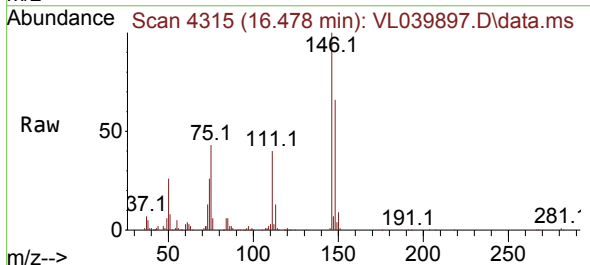
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

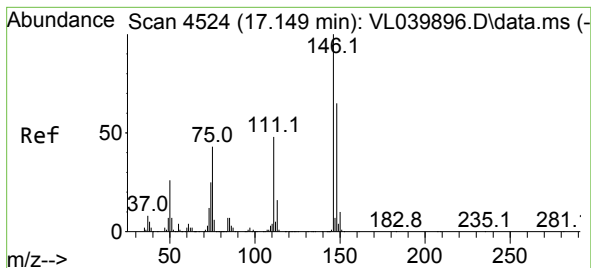
Tgt Ion:146 Resp: 531342
Ion Ratio Lower Upper
146 100
111 46.1 23.3 69.9
148 64.3 32.2 96.6



#76
1,4-Dichlorobenzene
Concen: 1.997 ppbv
RT: 16.478 min Scan# 4315
Delta R.T. -0.003 min
Lab File: VL039897.D
Acq: 18 Nov 2022 9:26

Tgt Ion:146 Resp: 500397
Ion Ratio Lower Upper
146 100
111 46.5 22.4 67.3
148 68.5 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 2.049 ppbv

RT: 17.146 min Scan# 4523

Delta R.T. -0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

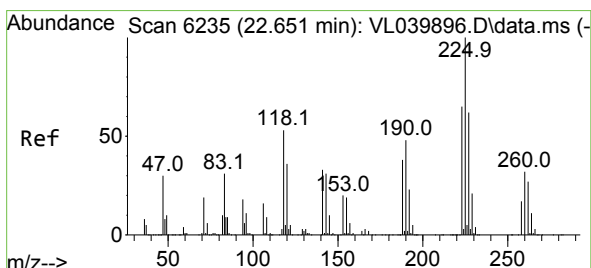
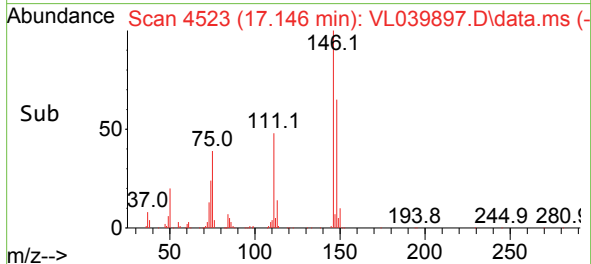
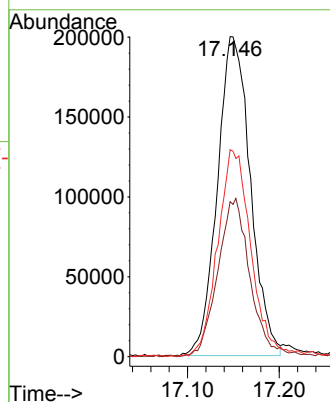
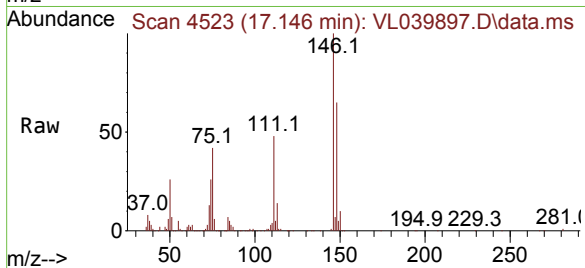
Tgt Ion:146 Resp: 499215

Ion Ratio Lower Upper

146 100

111 49.3 24.1 72.3

148 66.1 32.4 97.2



#78

Hexachloro-1,3-Butadiene

Concen: 2.174 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

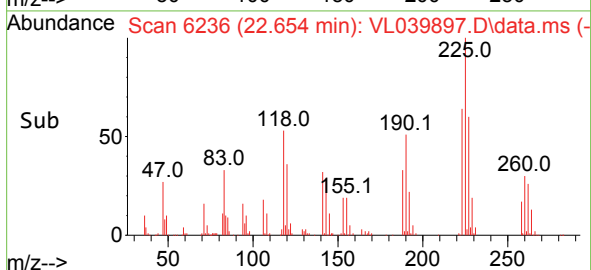
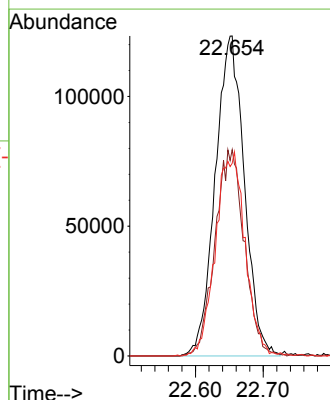
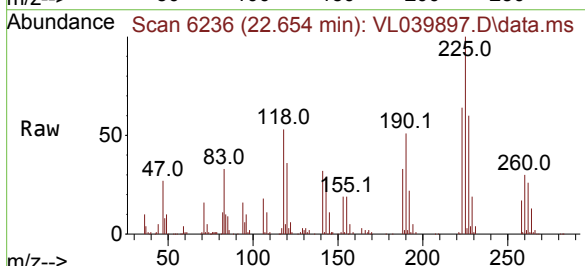
Tgt Ion:225 Resp: 367549

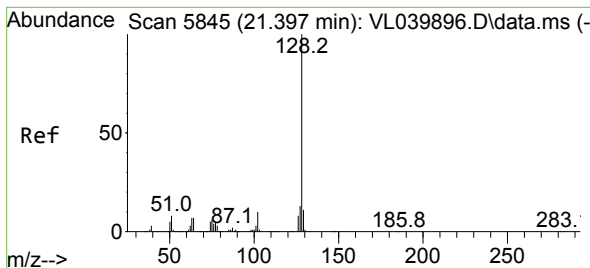
Ion Ratio Lower Upper

225 100

223 65.1 50.7 76.1

227 64.8 50.8 76.2





#79

Naphthalene

Concen: 2.344 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

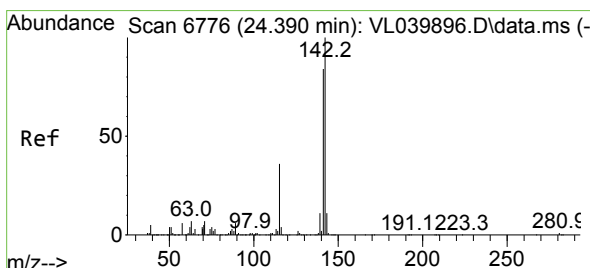
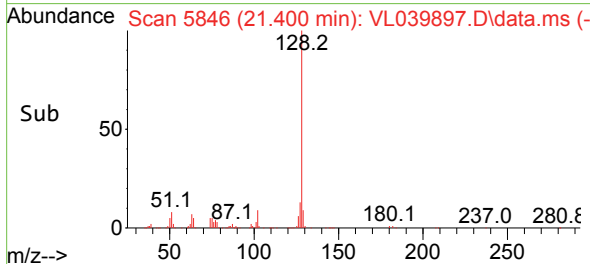
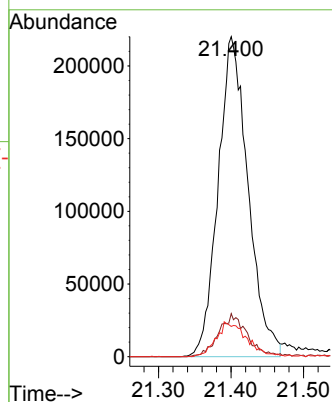
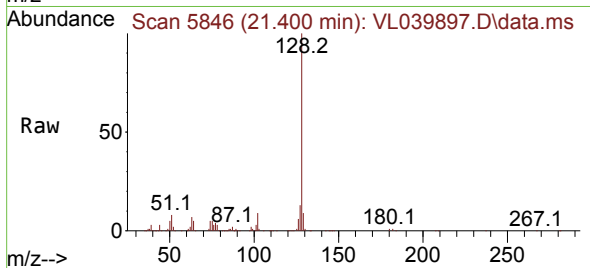
Tgt Ion:128 Resp: 630371

Ion Ratio Lower Upper

128 100

127 13.4 10.0 15.0

129 9.5 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 2.200 ppbv

RT: 24.394 min Scan# 6777

Delta R.T. 0.003 min

Lab File: VL039897.D

Acq: 18 Nov 2022 9:26

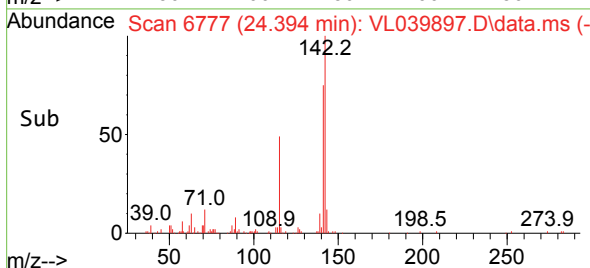
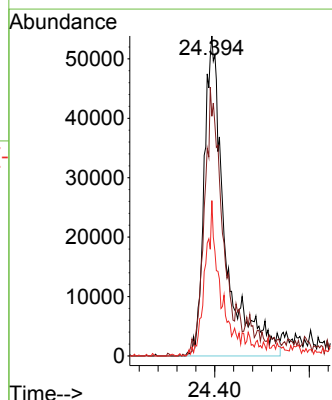
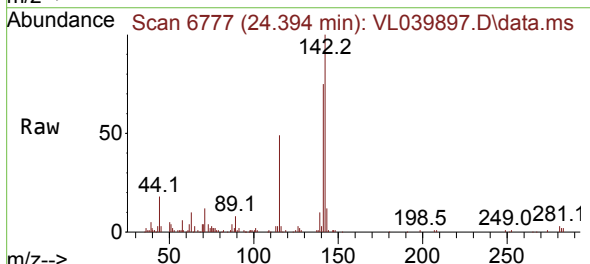
Tgt Ion:142 Resp: 166403

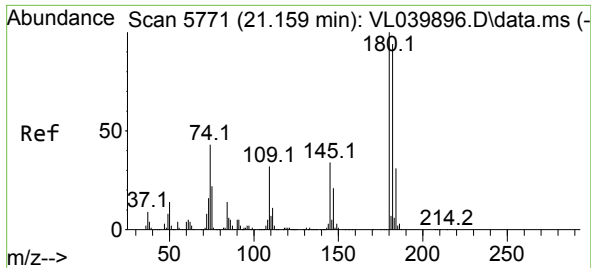
Ion Ratio Lower Upper

142 100

141 83.5 69.1 103.7

115 39.3 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 2.149 ppbv
 RT: 21.149 min Scan# 51
 Delta R.T. -0.010 min
 Lab File: VL039897.D
 Acq: 18 Nov 2022 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 356865
 Ion Ratio Lower Upper
 180 100
 182 99.4 77.0 115.6
 184 31.2 25.2 37.8

