

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040020.D
 Acq On : 19 Dec 2022 9:35
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 04:20:54 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1030526	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2995889	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2872305	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.764	95	2155863	9.826	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1409973	7.309	ppbv	100
3) Chlorodifluoromethane	2.655	51	1259812	8.286	ppbv	100
4) Chloromethane	2.793	50	805414	8.454	ppbv	100
5) Vinyl Chloride	2.899	62	687209	8.915	ppbv	100
6) Bromomethane	3.099	94	248838	8.786	ppbv	100
7) Chloroethane	3.179	64	247662	8.516	ppbv	100
8) Dichlorotetrafluoroethane	2.838	85	1658504	8.172	ppbv	100
9) Propene	2.674	41	558012	8.648	ppbv	100
10) Heptane	7.565	43	1394250	8.870	ppbv	100
11) Trichlorofluoromethane	3.542	101	1764875	8.420	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1347551	8.489	ppbv	100
13) Ethanol	3.227	45	42428	7.785	ppbv	85
14) Bromoethene	3.346	108	533885	8.931	ppbv	100
15) Acetone	3.449	43	1247048	7.823	ppbv	100
16) 1,3-Butadiene	2.964	39	625905	9.033	ppbv	100
17) tert-Butyl alcohol	3.857	59	1354492	8.679	ppbv	100
18) 1,1-Dichloroethene	3.861	96	599991	8.683	ppbv	100
19) Isopropyl Alcohol	3.555	45	695116	8.848	ppbv	100
20) Methylene Chloride	3.915	84	499801	7.376	ppbv	100
21) Allyl Chloride	3.976	41	867027	9.051	ppbv	100
22) trans-1,2-Dichloroethene	4.427	96	631660	9.172	ppbv	100
23) Vinyl Acetate	4.607	43	471500	9.326	ppbv	100
24) 1,1-Dichloroethane	4.546	63	1258440	8.479	ppbv	100
25) Ethyl Acetate	5.185	43	2330352	8.441	ppbv	100
26) Hexane	5.195	57	981084	8.455	ppbv	100
27) Carbon Disulfide	4.105	76	1476316	10.087	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	1168832	8.547	ppbv	100
29) Chloroform	5.256	83	1472932	8.318	ppbv	100
30) Cyclohexane	6.587	84	915193	8.906	ppbv	100
31) cis-1,2-Dichloroethene	5.060	61	993292	8.988	ppbv	100
32) 1,1,1-Trichloroethane	5.986	97	1788086	9.403	ppbv	100
34) 2-Butanone	4.767	43	1424263	9.007	ppbv	100
35) Carbon Tetrachloride	6.478	117	1852718	9.942	ppbv	100
36) Benzene	6.353	78	2342222	8.754	ppbv	100
37) 1,2-Dichloroethane	5.790	62	1376933	8.772	ppbv	100
38) Trichloroethene	7.275	130	1361513	9.848	ppbv	100
39) 1,2-Dichloropropane	7.057	63	887823	8.853	ppbv	100
40) 1,4-Dioxane	7.272	88	390008	8.574	ppbv	100
41) Tetrahydrofuran	5.539	42	886232	9.022	ppbv	100
42) Bromodichloromethane	7.234	83	1995055	9.296	ppbv	100
43) Methyl Methacrylate	7.459	69	933155	9.293	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	3779890	8.581	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	926928	10.923	ppbv	100

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

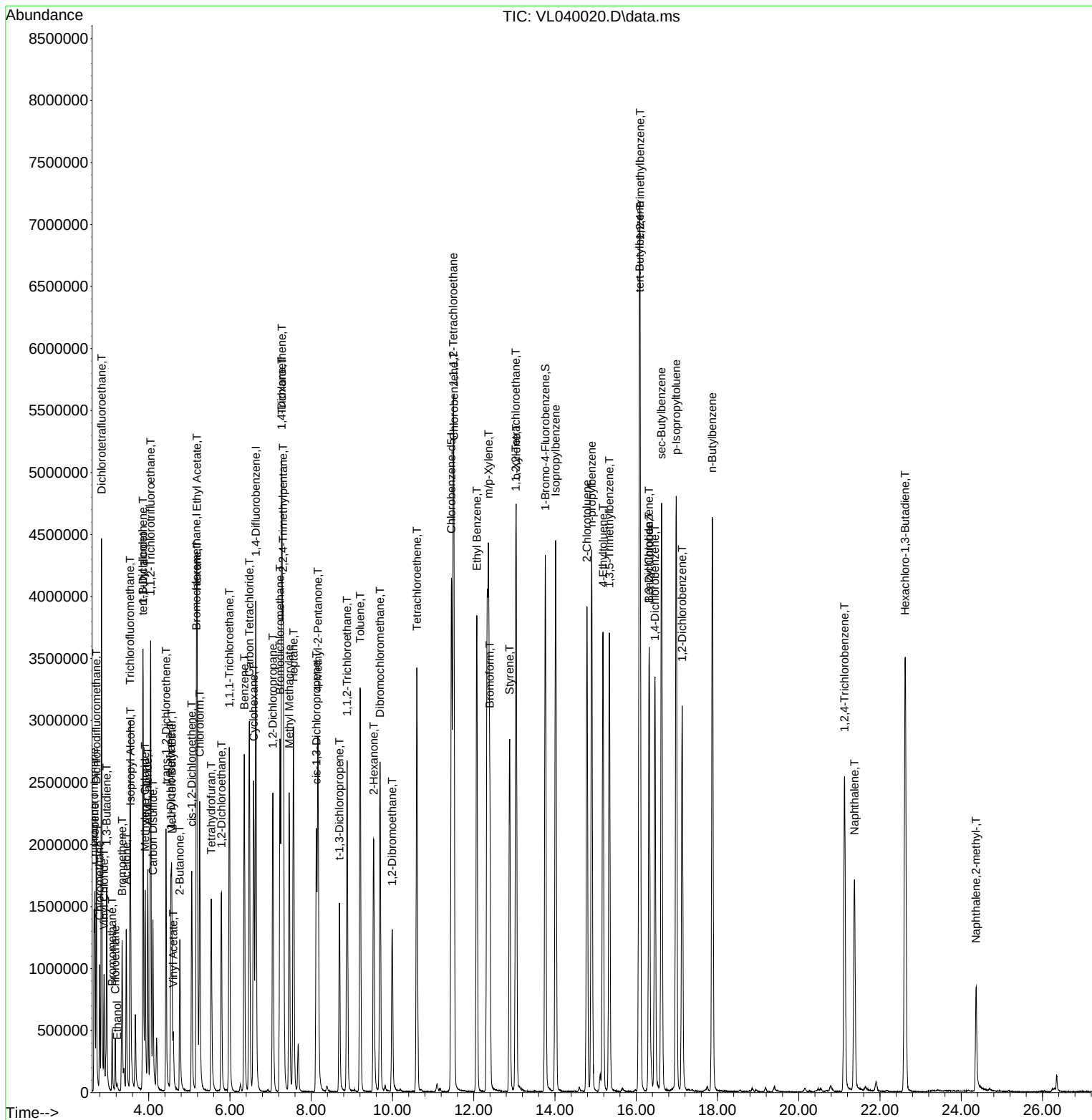
Instrument :
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 ClientSampleId :

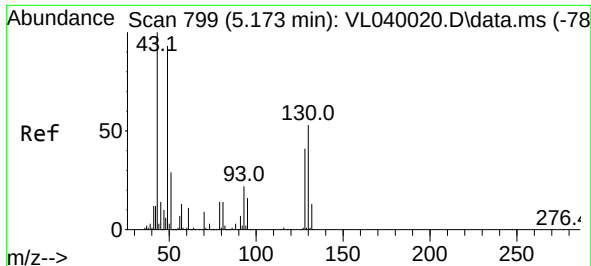
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:20:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1232431	10.296	ppbv	100
47) 1,1,2-Trichloroethane	8.883	97	969191	8.833	ppbv	100
48) Dibromochloromethane	9.693	129	1643968	9.831	ppbv	100
49) Bromoform	12.394	173	1298838	10.195	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2391247	9.006	ppbv	100
51) 2-Hexanone	9.539	43	1889944	9.180	ppbv	100
52) Tetrachloroethene	10.603	164	807637	8.820	ppbv	100
53) Toluene	9.205	91	2689605	9.079	ppbv	100
54) 1,2-Dibromoethane	9.992	107	1111409	9.461	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.497	131	1161384	8.760	ppbv	98
57) Chlorobenzene	11.513	112	2075018	8.510	ppbv	100
58) Ethyl Benzene	12.076	91	3601624	8.826	ppbv	100
59) m/p-Xylene	12.362	91	2379278	6.693	ppbv #	1
60) o-Xylene	13.047	91	2920374	8.579	ppbv	100
61) Styrene	12.886	104	1741921	9.595	ppbv	100
62) Isopropylbenzene	14.018	105	4109874	8.369	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	962539	7.684	ppbv	100
64) n-propylbenzene	14.908	120	1053828	8.525	ppbv	100
65) tert-Butylbenzene	16.082	119	3544445	8.312	ppbv	100
66) Benzyl Chloride	16.317	91	242536	10.950	ppbv	97
67) sec-Butylbenzene	16.622	105	4936868	8.255	ppbv	100
69) p-Isopropyltoluene	16.986	119	3994293	8.361	ppbv	100
70) n-Butylbenzene	17.873	91	4113758	8.243	ppbv	100
71) 2-Chlorotoluene	14.790	91	3139219	8.379	ppbv	100
72) 4-Ethyltoluene	15.182	105	3301598	8.730	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2902626	8.484	ppbv	100
74) 1,2,4-Trimethylbenzene	16.095	105	3120131	8.299	ppbv	100
75) 1,3-Dichlorobenzene	16.317	146	1736286	8.458	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	1698010	8.378	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1629901	8.254	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	546434	4.003	ppbv #	100
79) Naphthalene	21.371	128	2180047	9.762	ppbv	100
80) Naphthalene,2-methyl-	24.365	142	629789	9.828	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1120039	8.468	ppbv	99

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

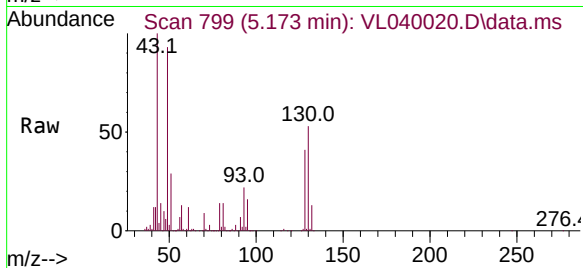
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QLast Update : Tue Dec 20 04:20:10 2022
Response via : Initial Calibration



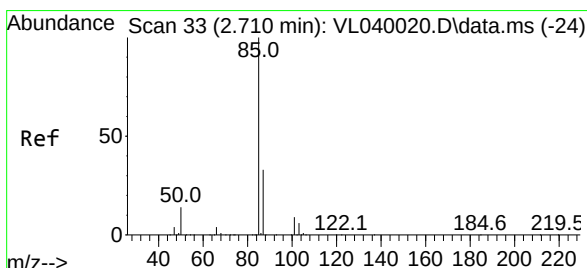
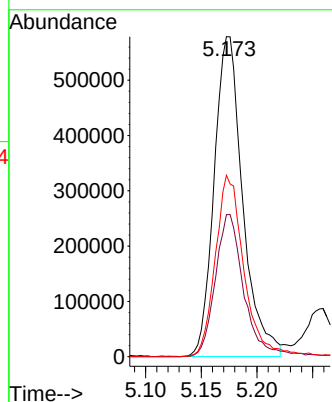
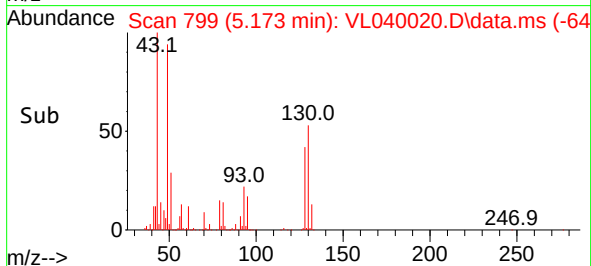


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. -0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Instrument :
MSVOA_L
ClientSampleId :

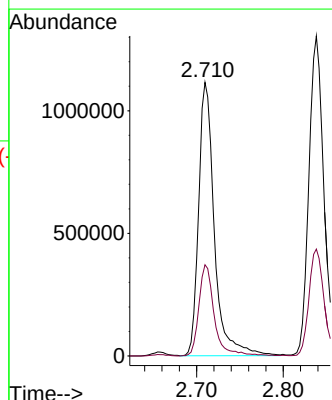
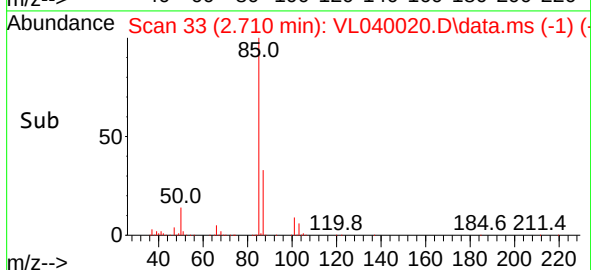
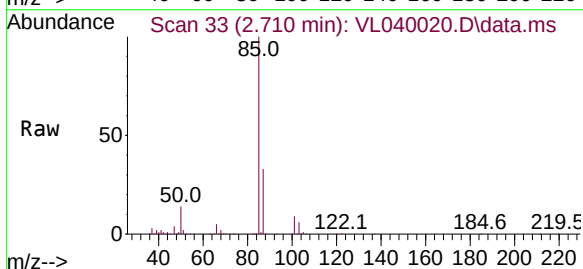


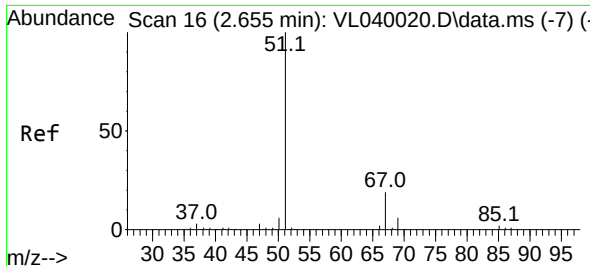
Tgt Ion: 49 Resp: 1030526
Ion Ratio Lower Upper
49 100
128 44.9 22.4 67.3
130 57.9 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 7.309 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 85 Resp: 1409973
Ion Ratio Lower Upper
85 100
87 33.3 26.6 40.0

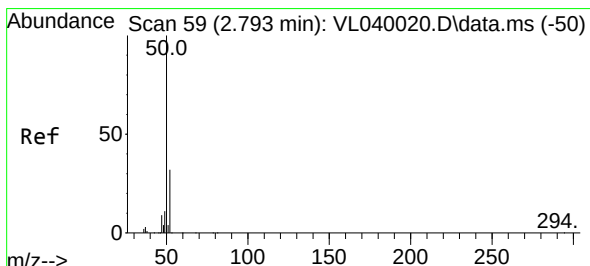
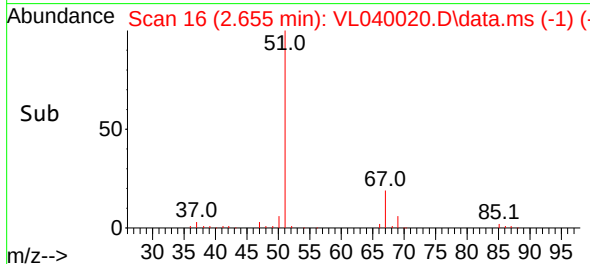
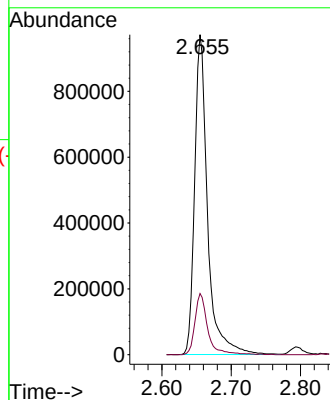
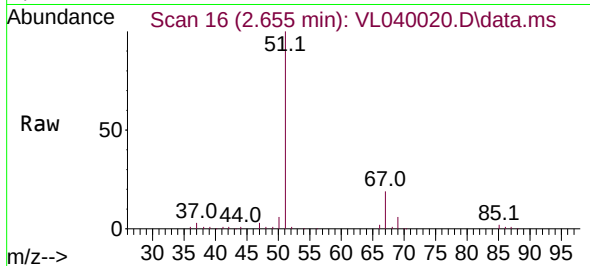




#3
Chlorodifluoromethane
Concen: 8.286 ppbv
RT: 2.655 min Scan# 16
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

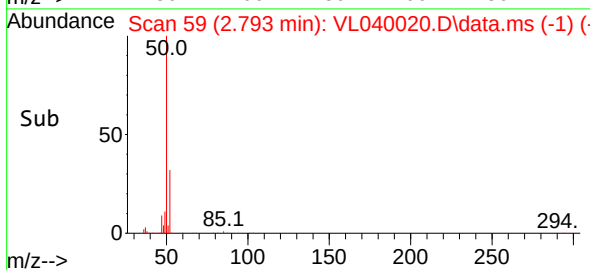
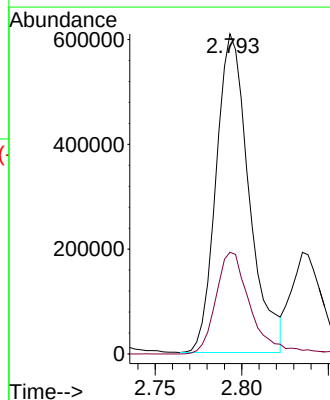
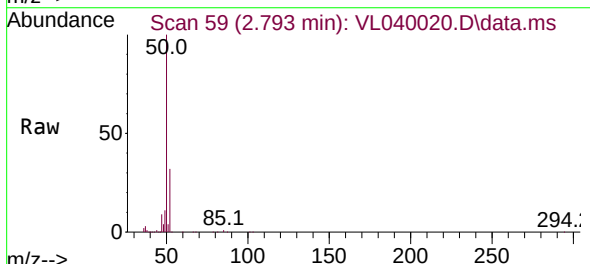
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ClientSampleId :

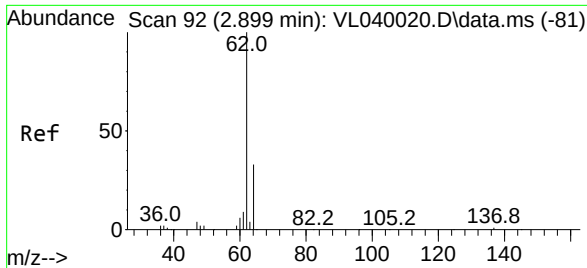
Tgt Ion: 51 Resp: 1259812
Ion Ratio Lower Upper
51 100
67 19.1 15.3 22.9



#4
Chloromethane
Concen: 8.454 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 50 Resp: 805414
Ion Ratio Lower Upper
50 100
52 31.9 25.5 38.3

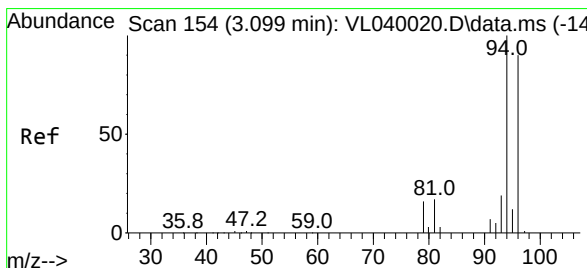
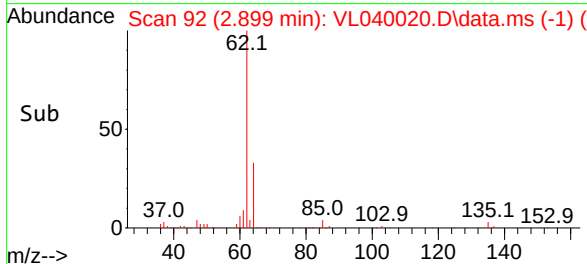
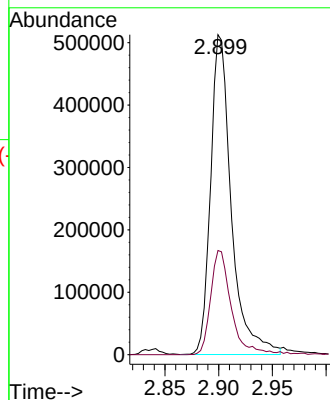
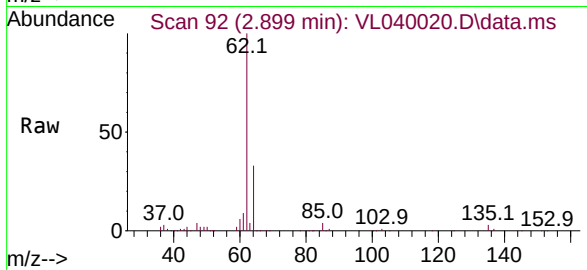




#5
 Vinyl Chloride
 Concen: 8.915 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

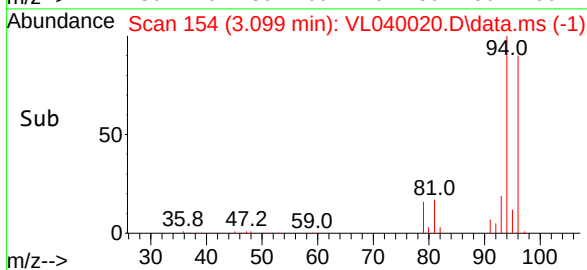
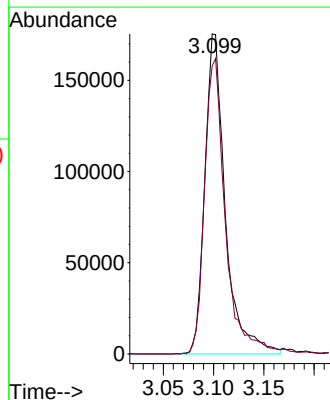
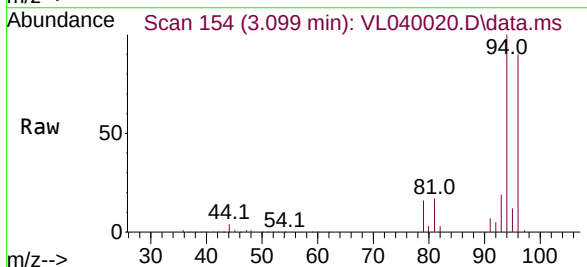
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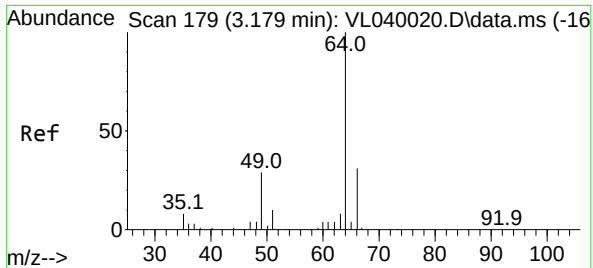
Tgt Ion: 62 Resp: 687209
 Ion Ratio Lower Upper
 62 100
 64 32.6 26.1 39.1



#6
 Bromomethane
 Concen: 8.786 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion: 94 Resp: 248838
 Ion Ratio Lower Upper
 94 100
 96 90.0 72.0 108.0

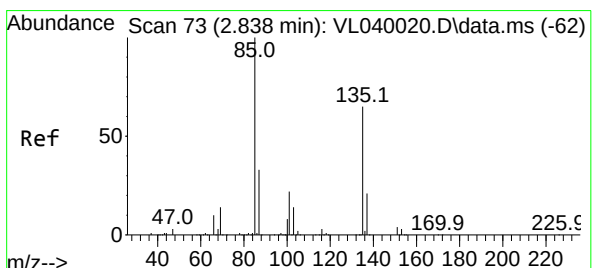
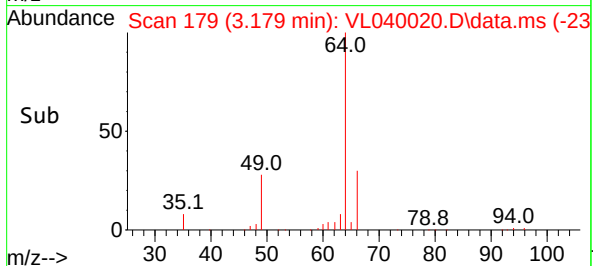
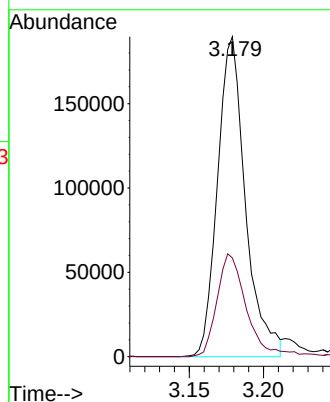
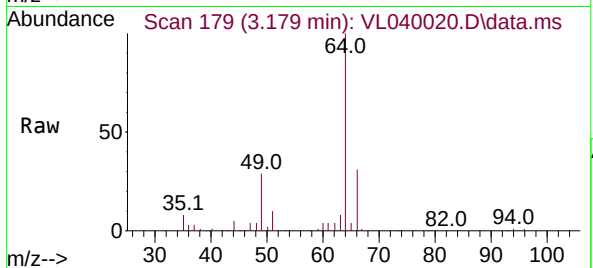




#7
Chloroethane
Concen: 8.516 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

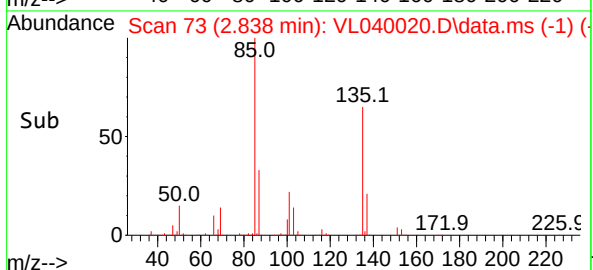
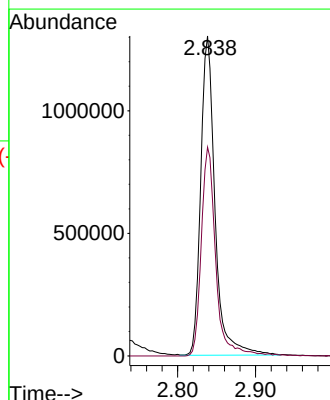
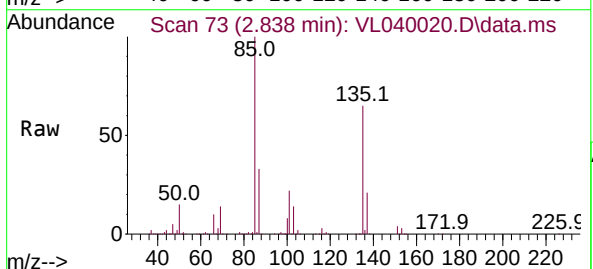
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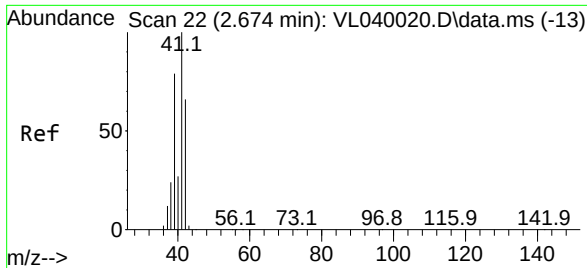
Tgt Ion: 64 Resp: 247662
Ion Ratio Lower Upper
64 100
66 30.8 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 8.172 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 85 Resp: 1658504
Ion Ratio Lower Upper
85 100
135 66.5 53.2 79.8

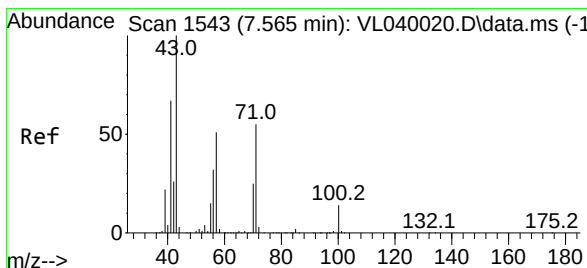
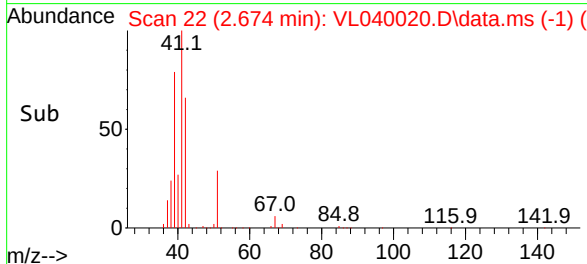
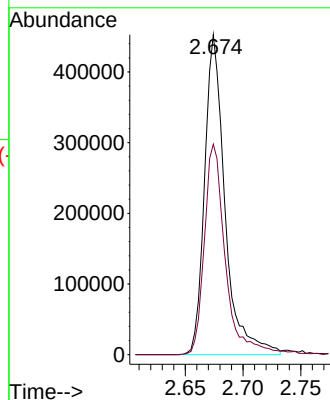
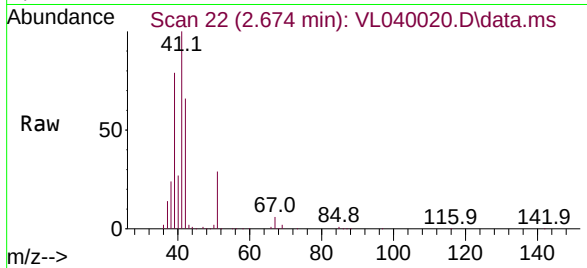




#9
 Propene
 Concen: 8.648 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

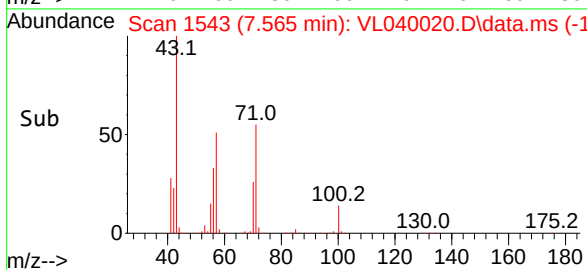
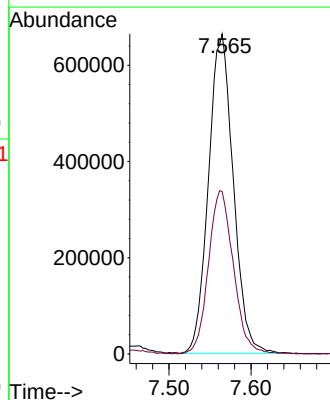
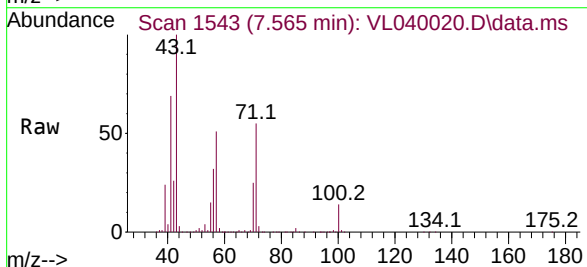
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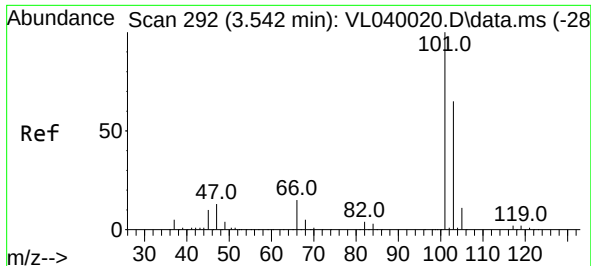
Tgt Ion: 41 Resp: 558012
 Ion Ratio Lower Upper
 41 100
 42 68.5 54.8 82.2



#10
 Heptane
 Concen: 8.870 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion: 43 Resp: 1394250
 Ion Ratio Lower Upper
 43 100
 57 51.5 41.2 61.8

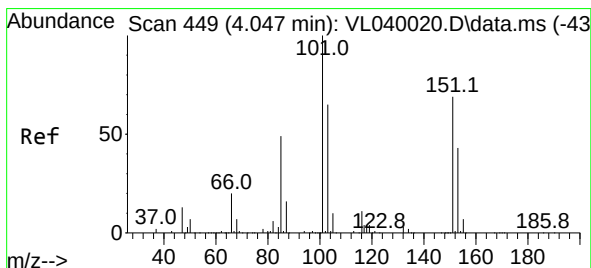
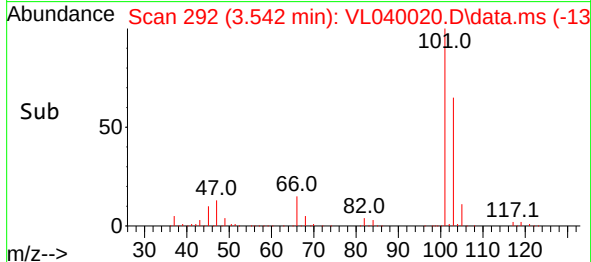
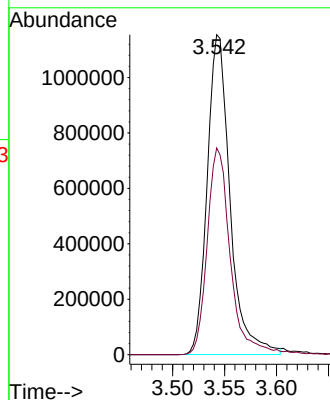
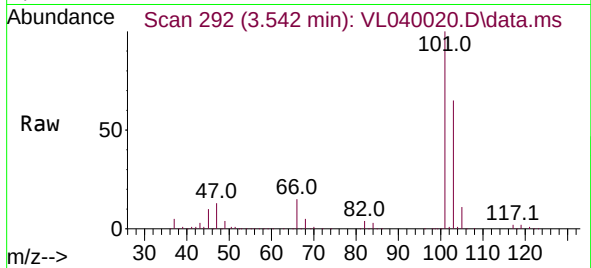




#11
 Trichlorofluoromethane
 Concen: 8.420 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

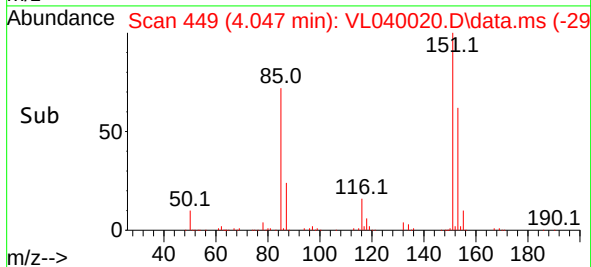
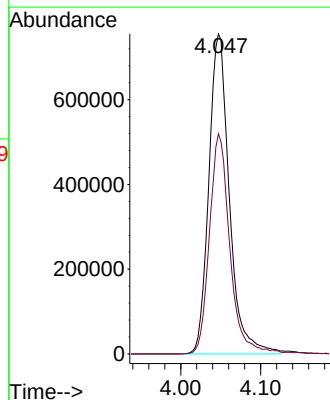
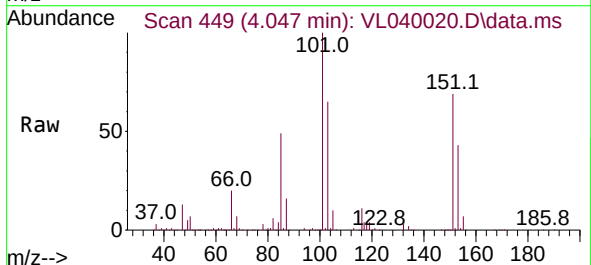
Instrument :
 MSVOA_L
 ClientSampleId :

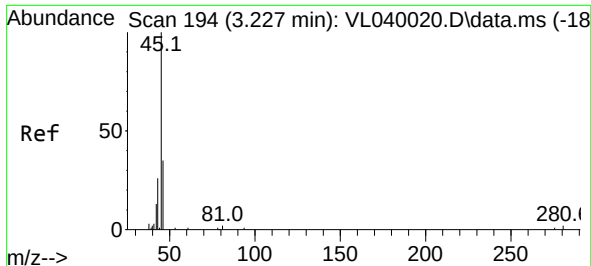
Tgt Ion:101 Resp: 1764875
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.489 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion:101 Resp: 1347551
 Ion Ratio Lower Upper
 101 100
 151 68.7 55.0 82.4

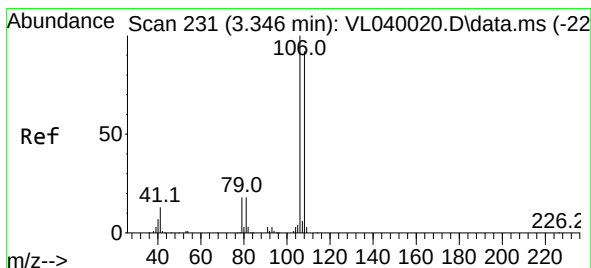
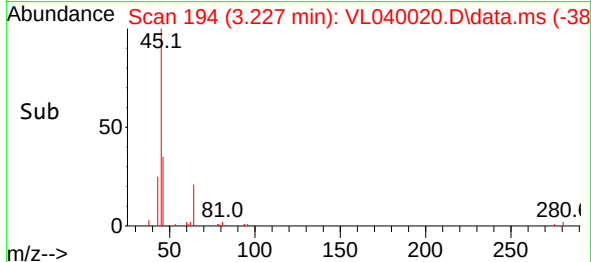
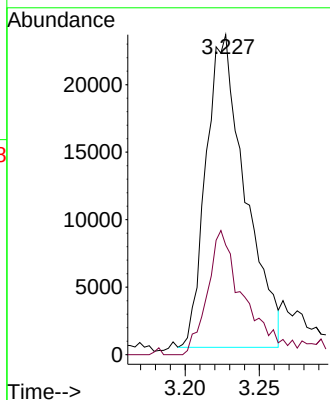
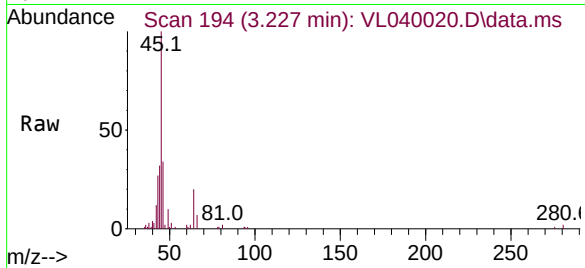




#13
Ethanol
Concen: 7.785 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

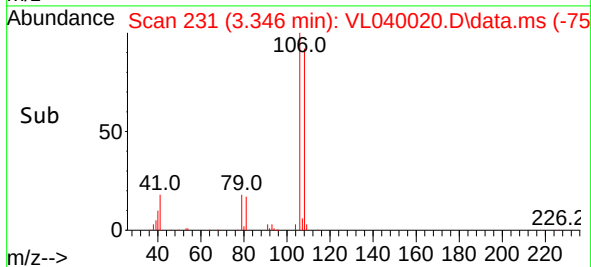
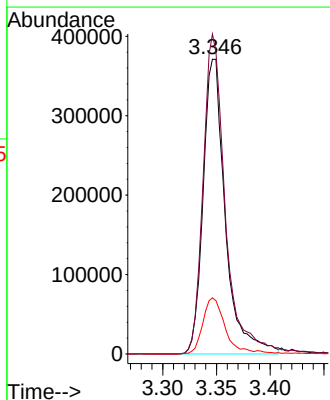
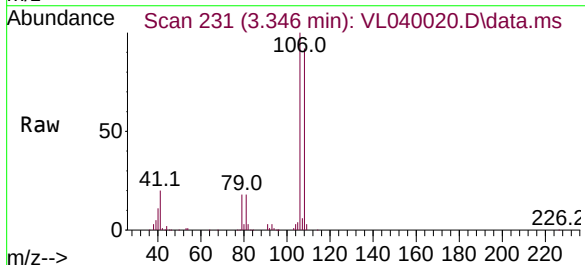
Instrument :
MSVOA_L
ClientSampleId :

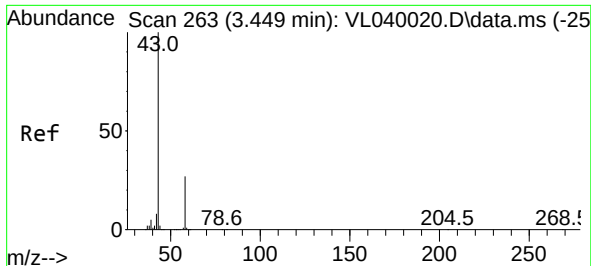
Tgt Ion: 45 Resp: 42428
Ion Ratio Lower Upper
45 100
46 42.9 13.7 54.7



#14
Bromoethene
Concen: 8.931 ppbv
RT: 3.346 min Scan# 231
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 108 Resp: 533885
Ion Ratio Lower Upper
108 100
106 109.3 87.5 131.3
79 19.9 15.8 23.8

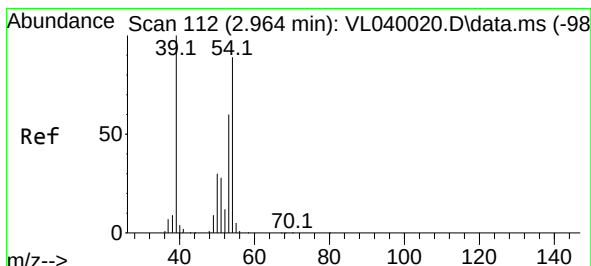
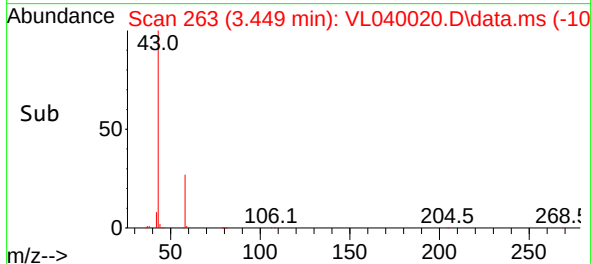
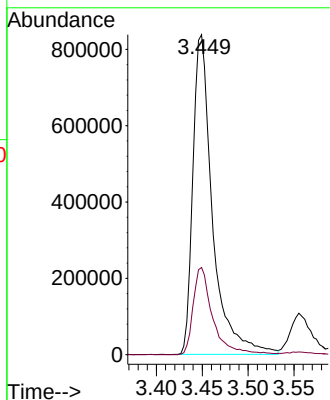
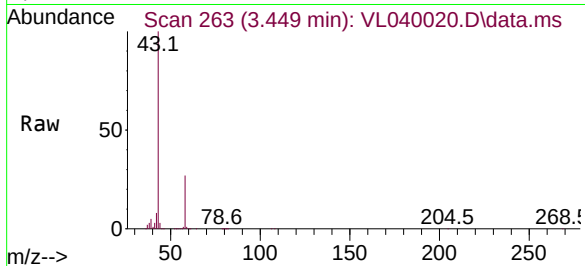




#15
Acetone
Concen: 7.823 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

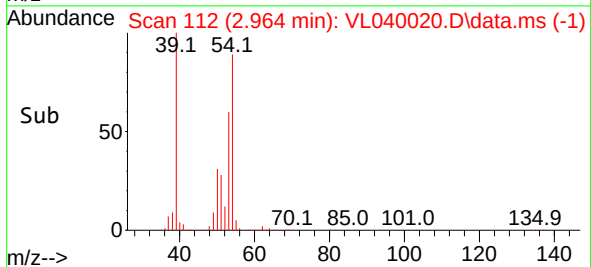
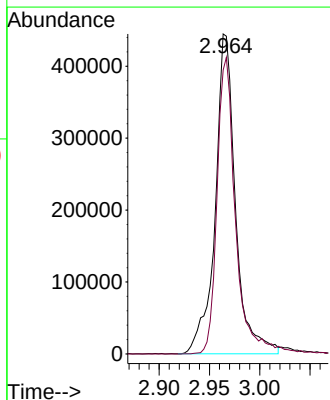
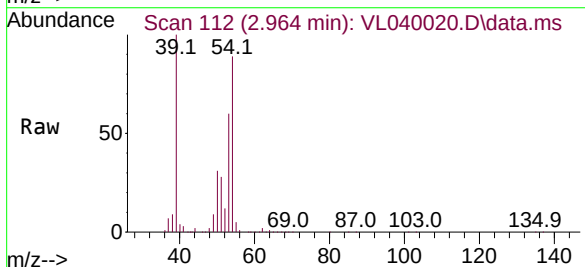
Instrument :
MSVOA_L
ClientSampleId :

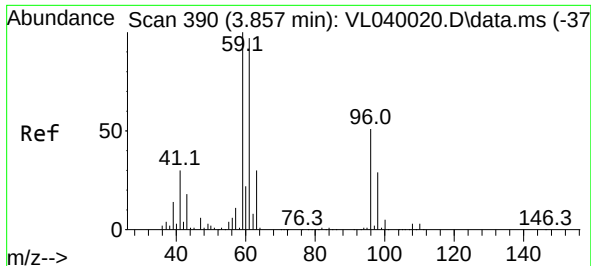
Tgt Ion: 43 Resp: 1247048
Ion Ratio Lower Upper
43 100
58 27.4 21.8 32.8



#16
1,3-Butadiene
Concen: 9.033 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 39 Resp: 625905
Ion Ratio Lower Upper
39 100
54 85.4 68.3 102.5





#17

tert-Butyl alcohol

Concen: 8.679 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

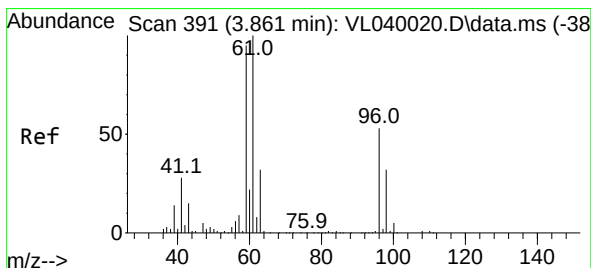
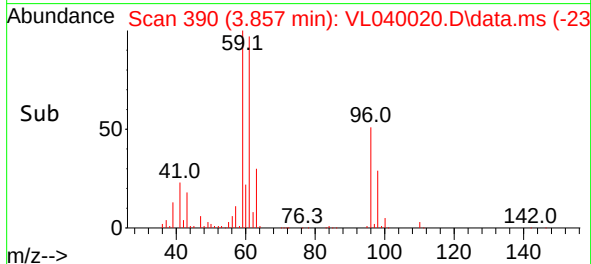
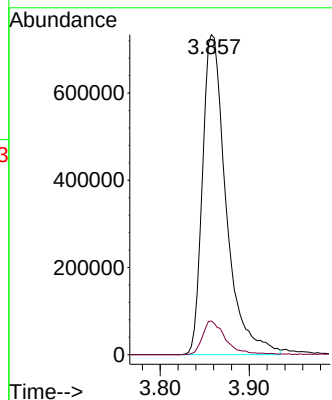
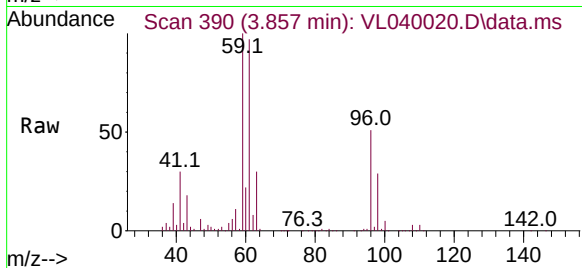
ClientSampleId :

Tgt Ion: 59 Resp: 1354492

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 8.683 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

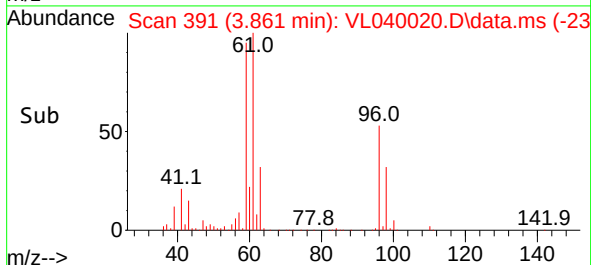
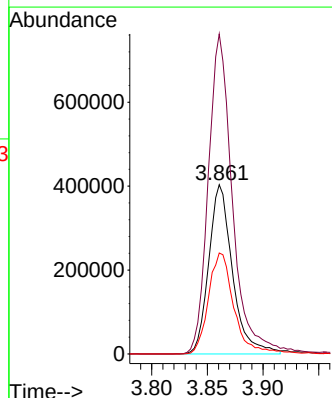
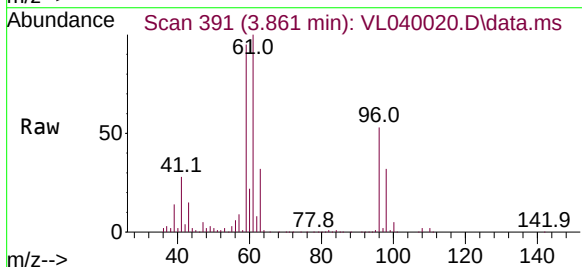
Tgt Ion: 96 Resp: 599991

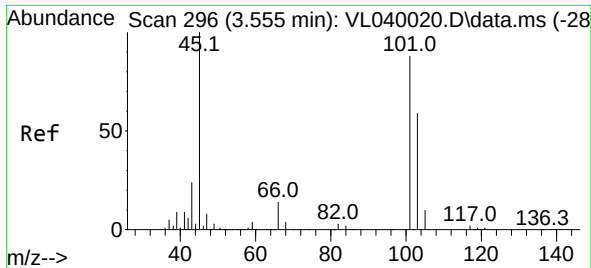
Ion Ratio Lower Upper

96 100

61 188.8 151.0 226.6

98 59.6 47.7 71.5

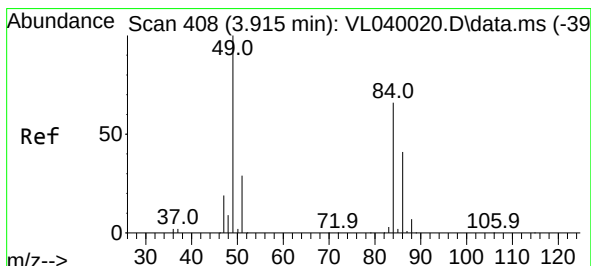
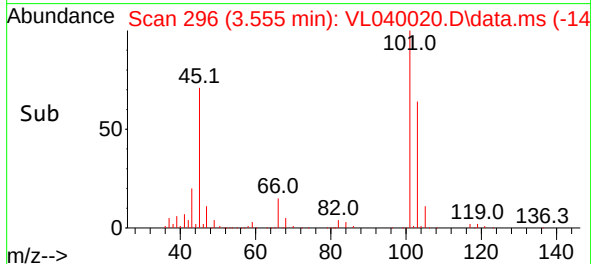
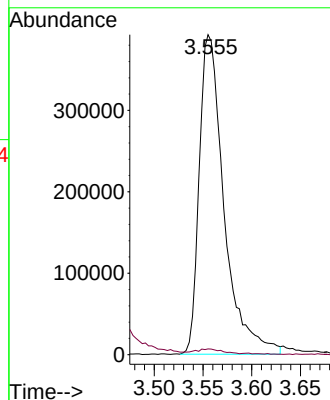
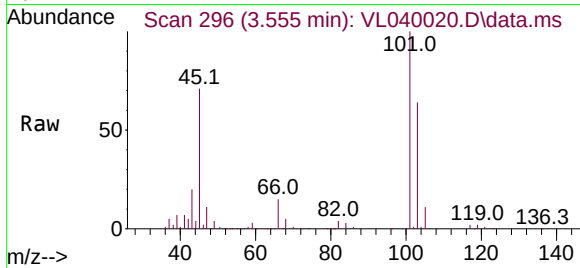




#19
Isopropyl Alcohol
Concen: 8.848 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

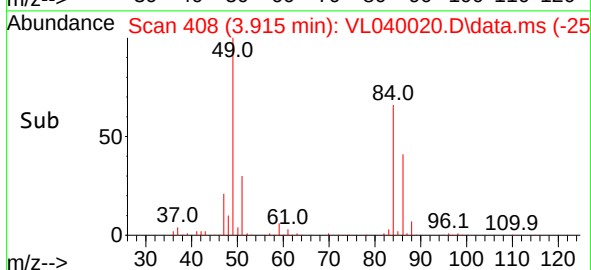
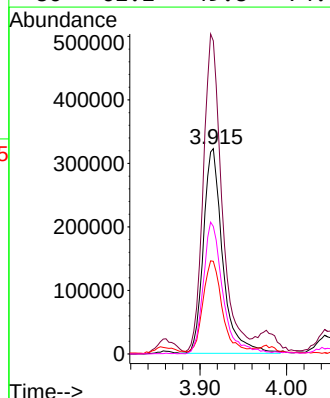
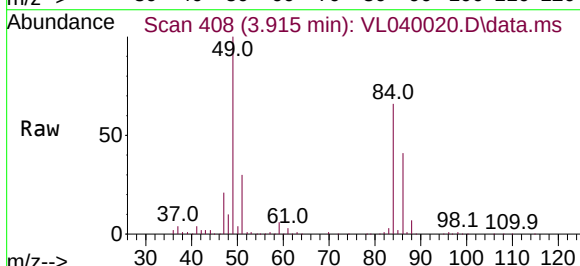
Instrument :
MSVOA_L
ClientSampleId :

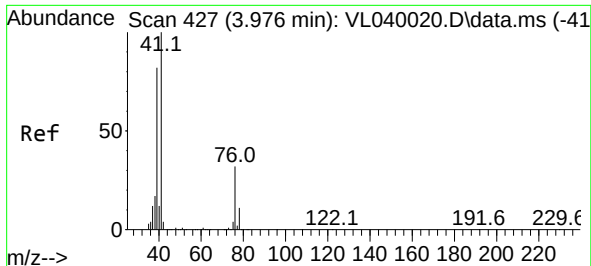
Tgt Ion: 45 Resp: 695116
Ion Ratio Lower Upper
45 100
58 2.2 1.7 2.5



#20
Methylene Chloride
Concen: 7.376 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 84 Resp: 499801
Ion Ratio Lower Upper
84 100
49 150.6 120.5 180.7
51 44.0 35.2 52.8
86 62.2 49.8 74.6





#21

Allyl Chloride

Concen: 9.051 ppbv

RT: 3.976 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

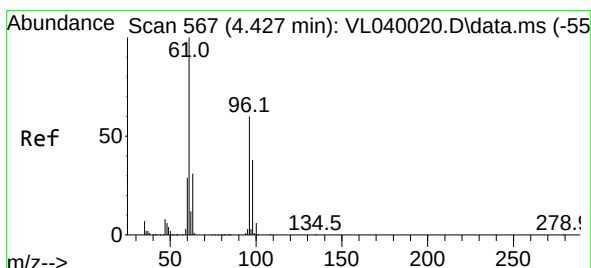
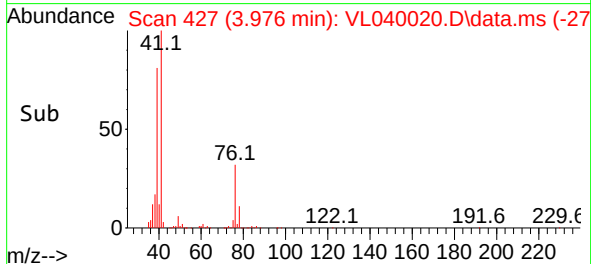
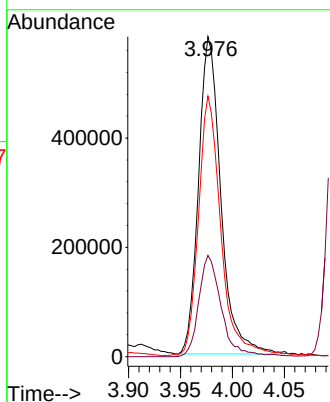
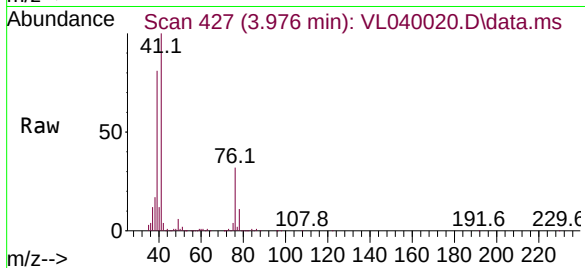
Tgt Ion: 41 Resp: 867027

Ion Ratio Lower Upper

41 100

76 32.4 25.9 38.9

39 82.7 66.0 99.0



#22

trans-1,2-Dichloroethene

Concen: 9.172 ppbv

RT: 4.427 min Scan# 567

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

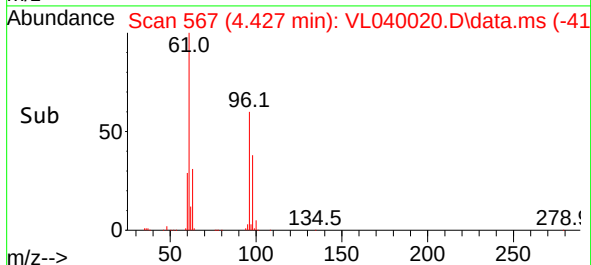
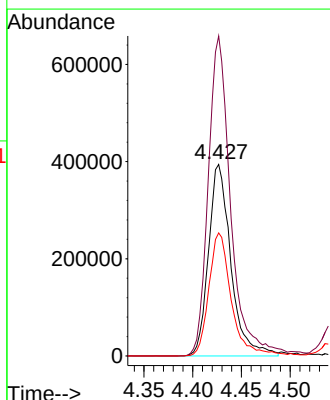
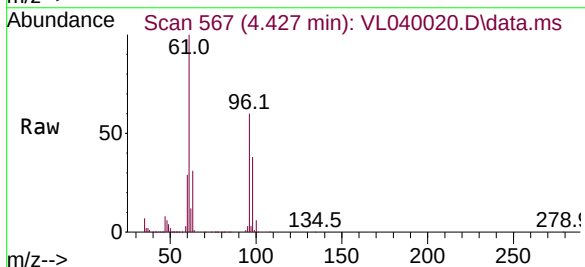
Tgt Ion: 96 Resp: 631660

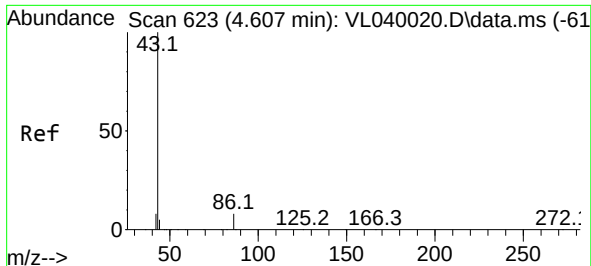
Ion Ratio Lower Upper

96 100

61 167.0 133.6 200.4

98 64.2 51.4 77.0



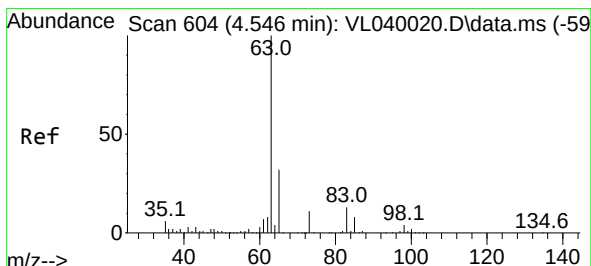
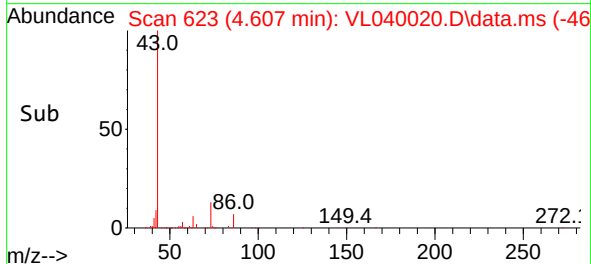
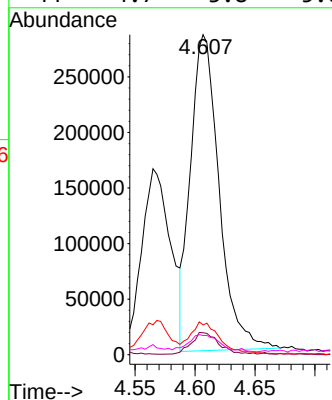
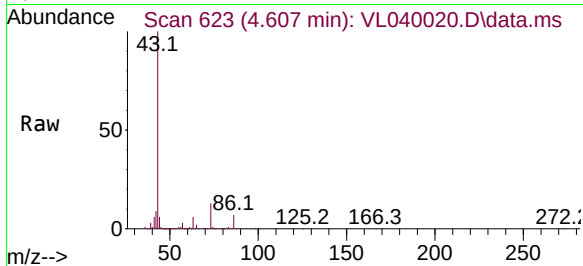


#23
 Vinyl Acetate
 Concen: 9.326 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 471500

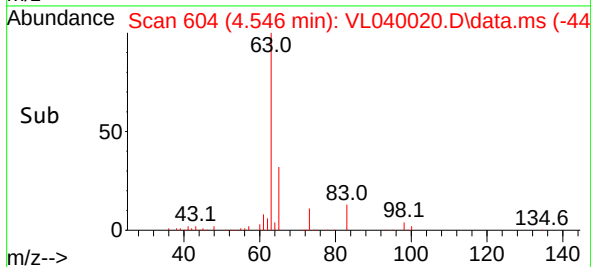
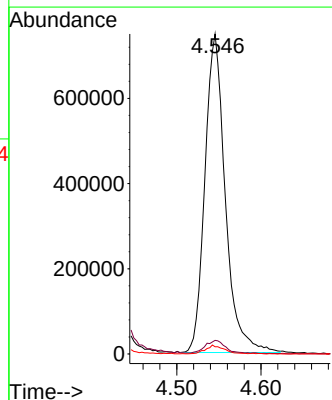
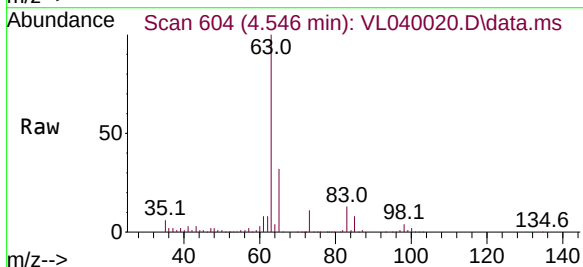
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.3	7.9
42	9.2	7.4	11.0
44	4.7	3.8	5.6

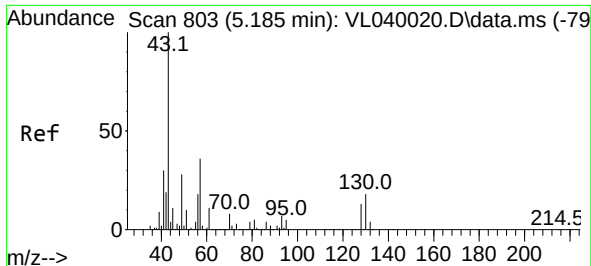


#24
 1,1-Dichloroethane
 Concen: 8.479 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion: 63 Resp: 1258440

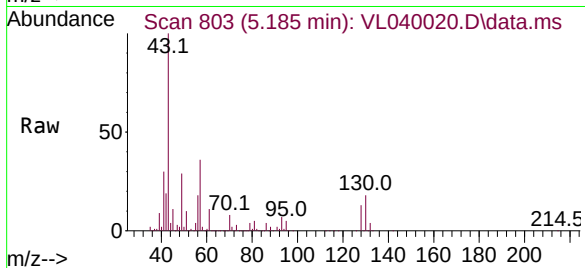
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.2	1.1	3.3





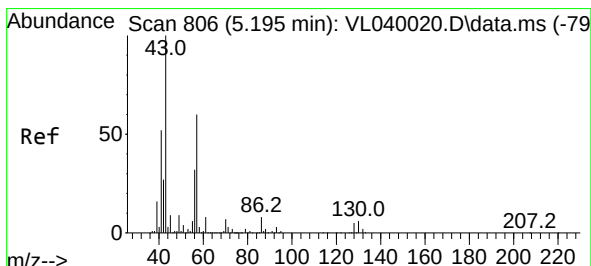
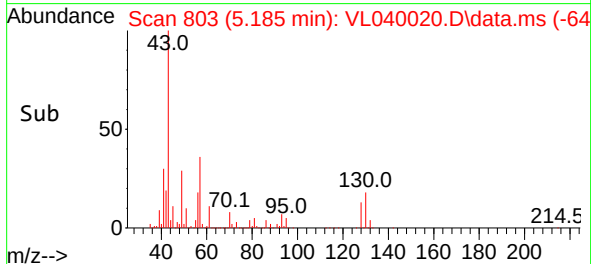
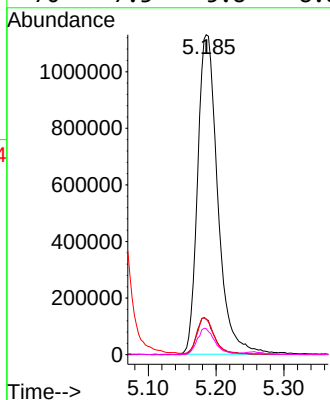
#25
Ethyl Acetate
Concen: 8.441 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 2330352

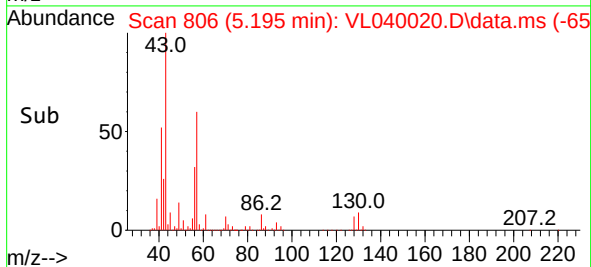
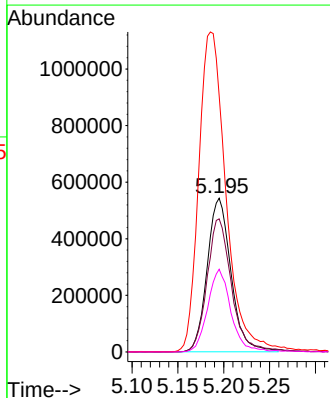
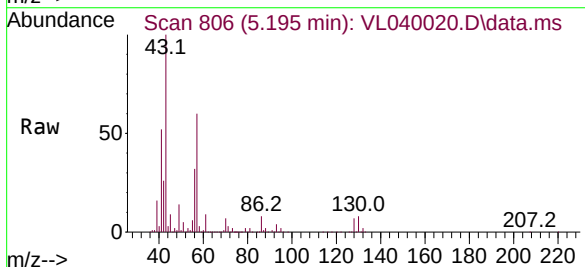
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.6	12.8
61	10.6	8.5	12.7
70	7.3	5.8	8.8

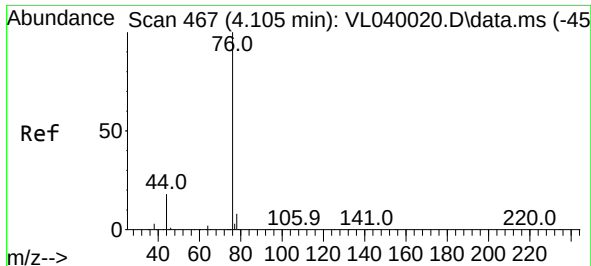


#26
Hexane
Concen: 8.455 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 57 Resp: 981084

Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.1	108.1
43	239.7	192.1	288.1
56	53.1	42.5	63.7

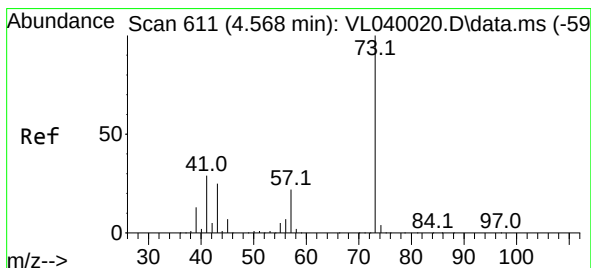
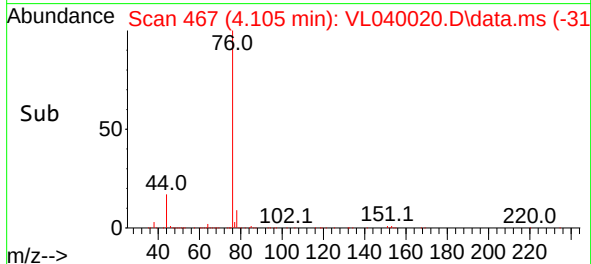
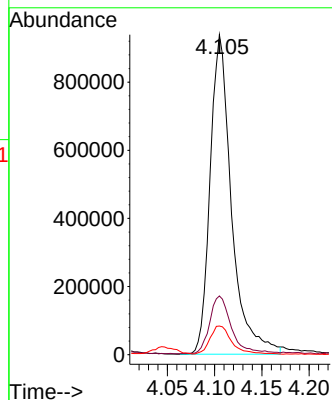
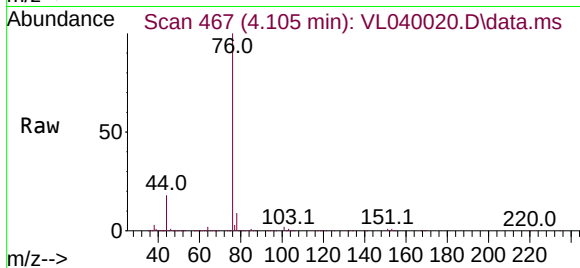




#27
Carbon Disulfide
Concen: 10.087 ppbv
RT: 4.105 min Scan# 407
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

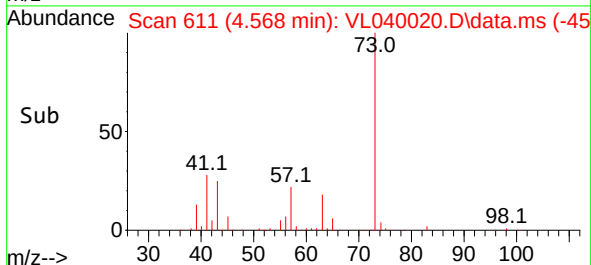
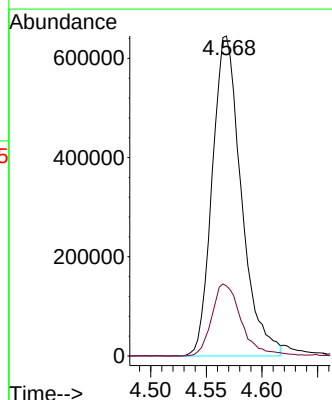
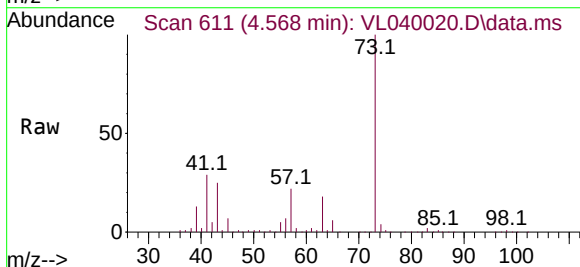
Instrument :
MSVOA_L
ClientSampleId :

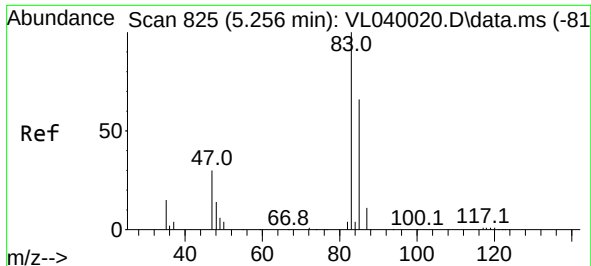
Tgt Ion: 76 Resp: 1476316
Ion Ratio Lower Upper
76 100
44 19.4 15.3 22.9
78 9.6 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 8.547 ppbv
RT: 4.568 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 73 Resp: 1168832
Ion Ratio Lower Upper
73 100
57 23.3 18.6 28.0





#29

Chloroform

Concen: 8.318 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

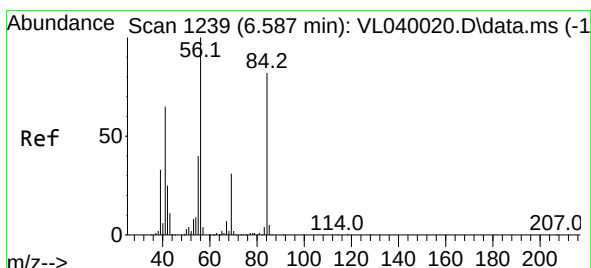
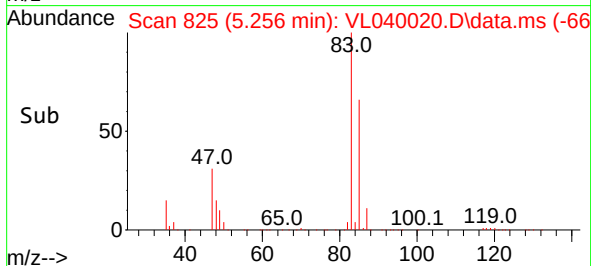
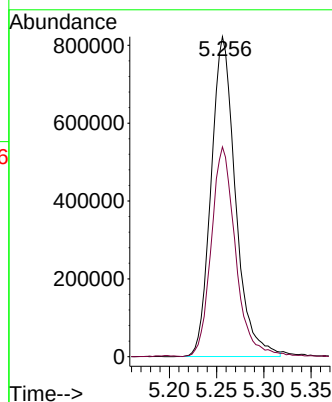
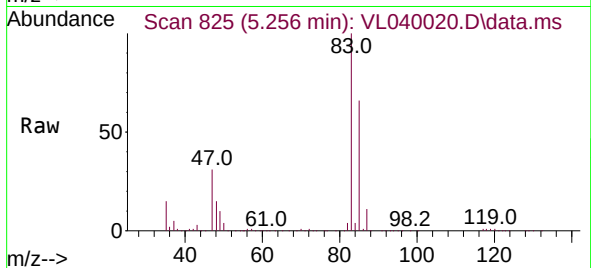
ClientSampleId :

Tgt Ion: 83 Resp: 1472932

Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6



#30

Cyclohexane

Concen: 8.906 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

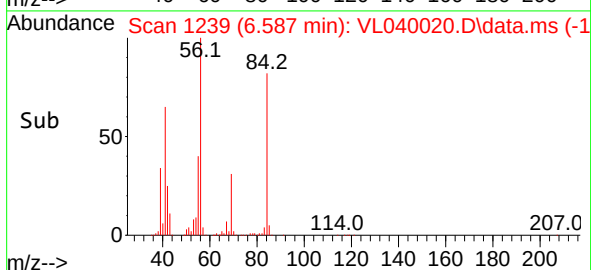
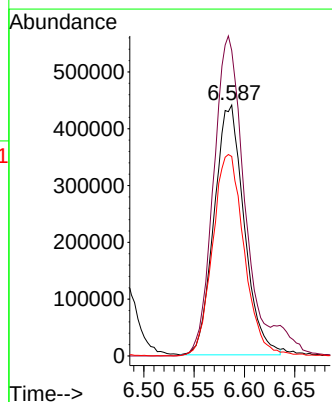
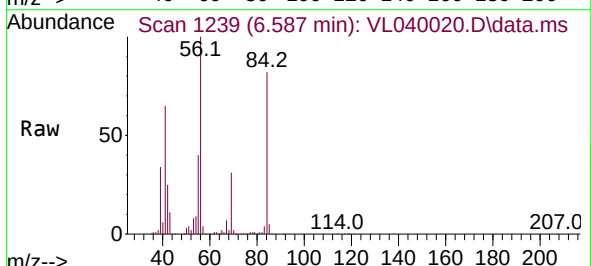
Tgt Ion: 84 Resp: 915193

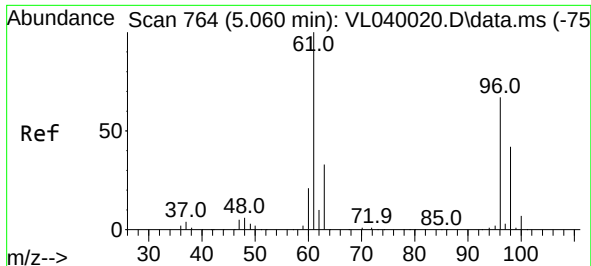
Ion Ratio Lower Upper

84 100

56 137.9 110.2 165.4

41 85.0 67.8 101.8

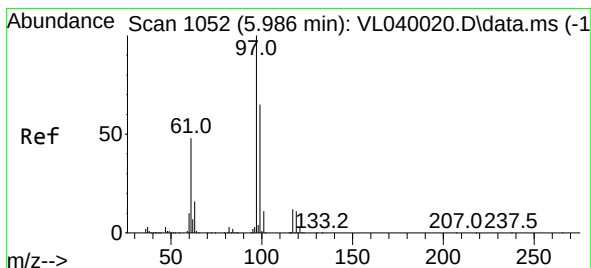
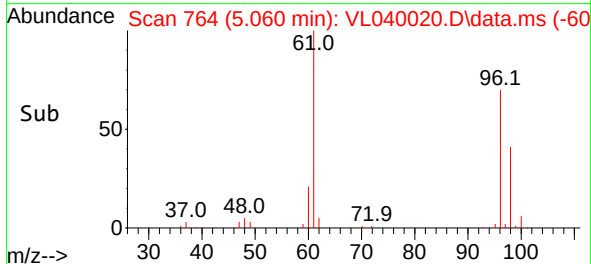
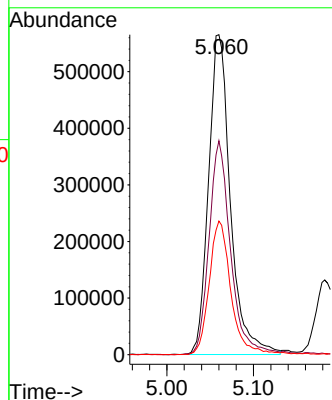
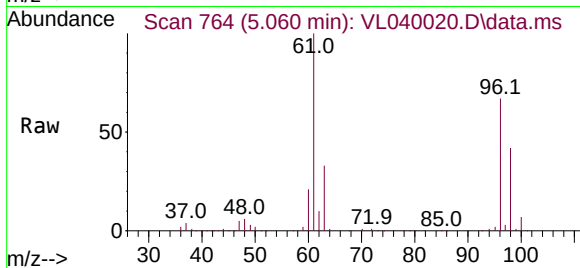




#31
 cis-1,2-Dichloroethene
 Concen: 8.988 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

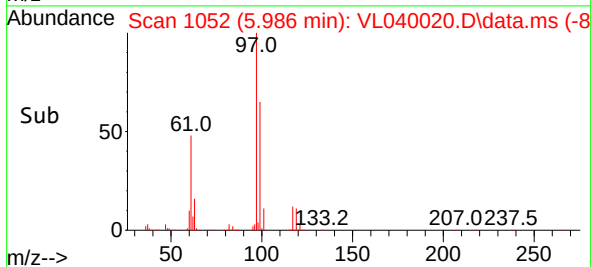
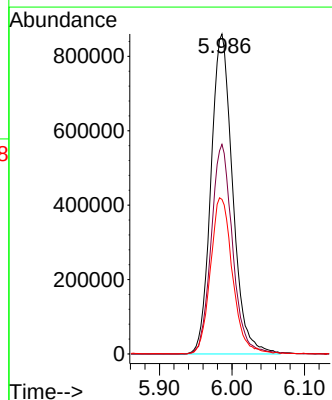
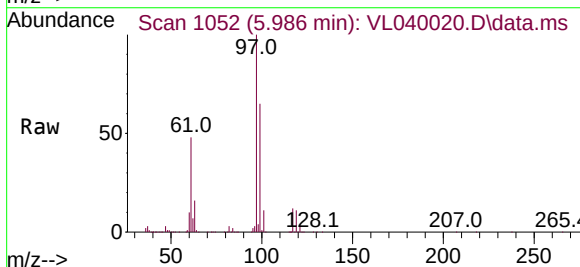
Instrument :
 MSVOA_L
 ClientSampleId :

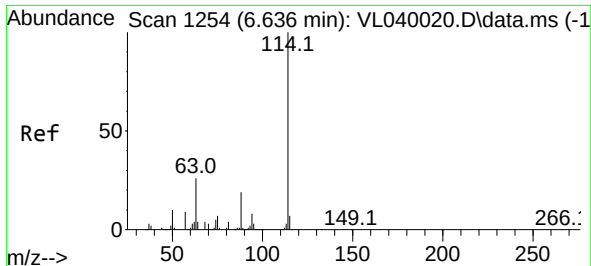
Tgt Ion: 61 Resp: 993292
 Ion Ratio Lower Upper
 61 100
 96 66.8 53.4 80.2
 98 41.7 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 9.403 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion: 97 Resp: 1788086
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 49.7 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

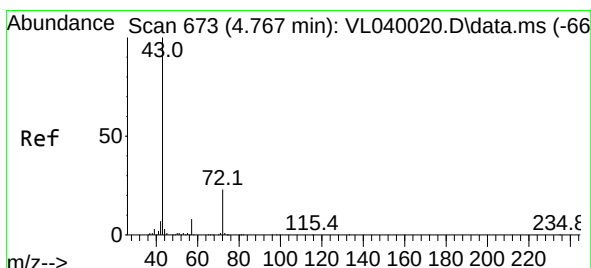
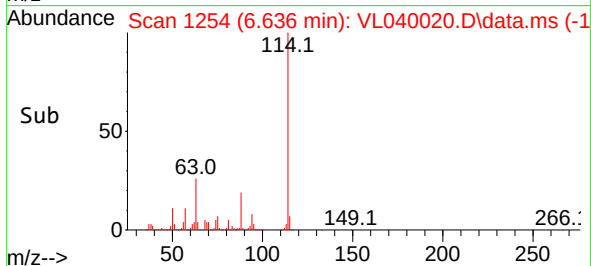
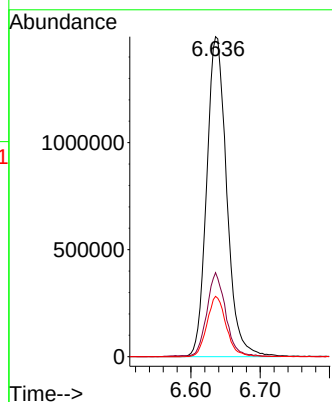
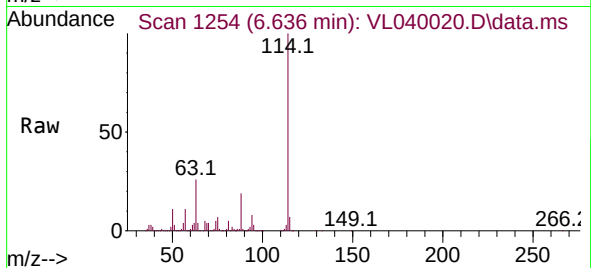
Tgt Ion:114 Resp: 2995889

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.2

88 18.2 14.6 21.8



#34

2-Butanone

Concen: 9.007 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.000 min

Lab File: VL040020.D

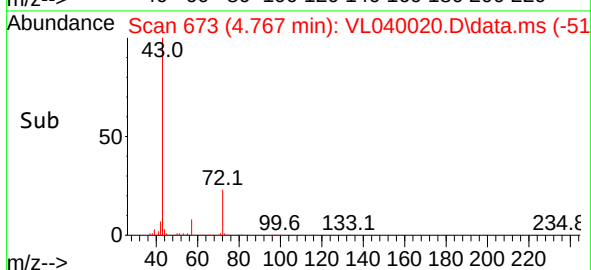
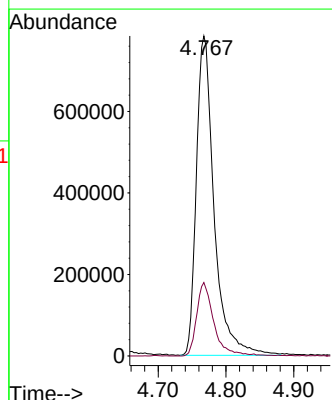
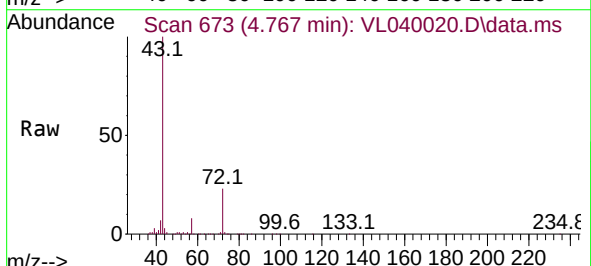
Acq: 19 Dec 2022 9:35

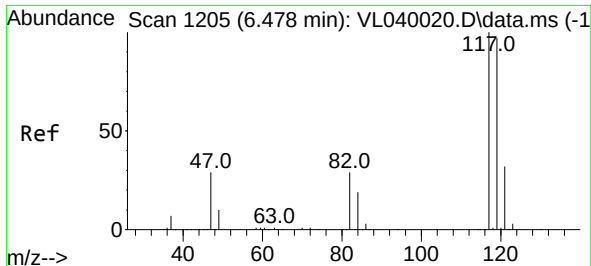
Tgt Ion: 43 Resp: 1424263

Ion Ratio Lower Upper

43 100

72 22.5 18.0 27.0

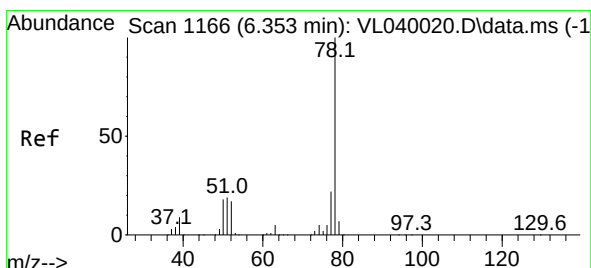
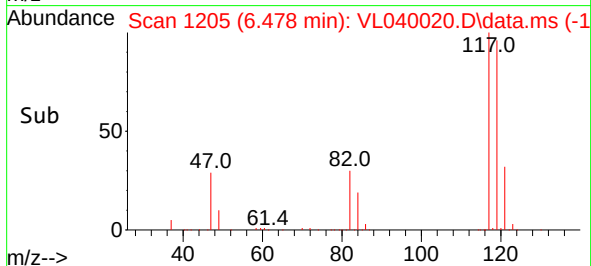
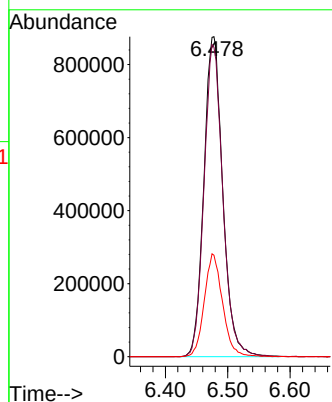
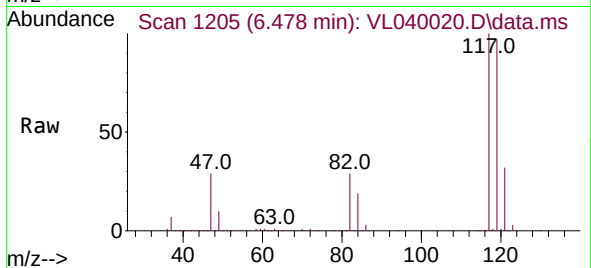




#35
Carbon Tetrachloride
Concen: 9.942 ppbv
RT: 6.478 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

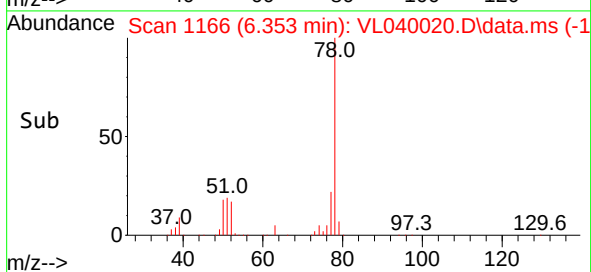
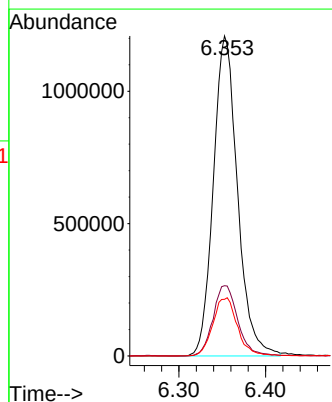
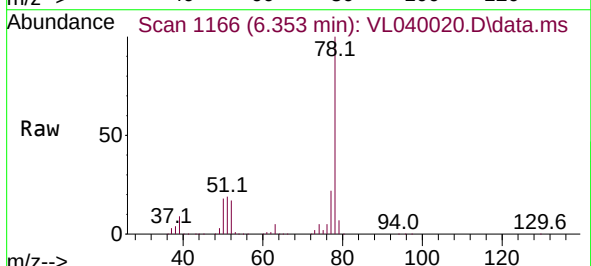
Instrument :
MSVOA_L
ClientSampleId :

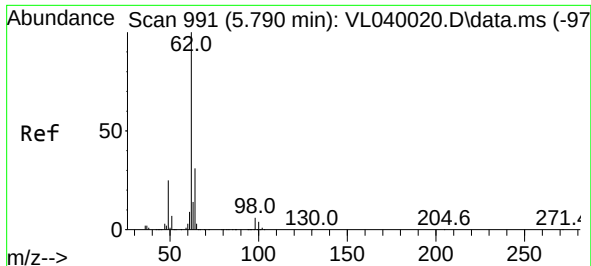
Tgt Ion:117 Resp: 1852718
Ion Ratio Lower Upper
117 100
119 96.6 77.3 115.9
121 31.7 25.4 38.0



#36
Benzene
Concen: 8.754 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 78 Resp: 2342222
Ion Ratio Lower Upper
78 100
77 21.9 17.5 26.3
50 17.7 14.2 21.2





#37

1,2-Dichloroethane

Concen: 8.772 ppbv

RT: 5.790 min Scan# 991

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

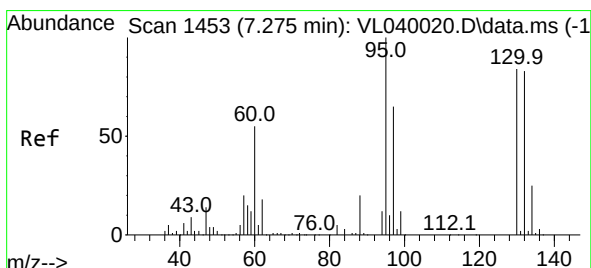
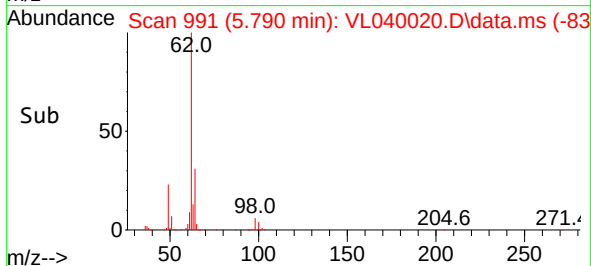
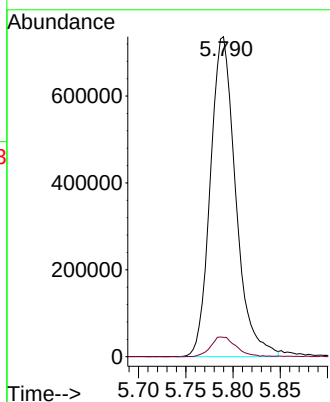
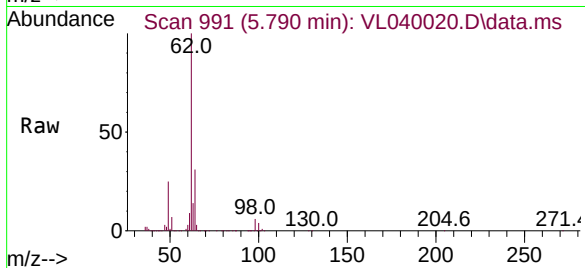
ClientSampleId :

Tgt Ion: 62 Resp: 1376933

Ion Ratio Lower Upper

62 100

98 6.4 5.1 7.7



#38

Trichloroethene

Concen: 9.848 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Tgt Ion:130 Resp: 1361513

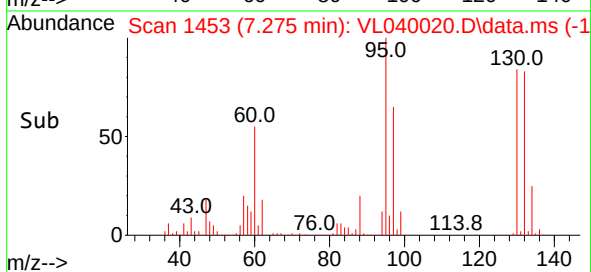
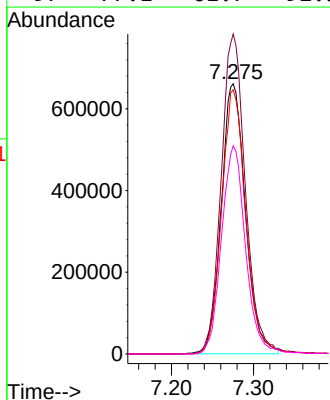
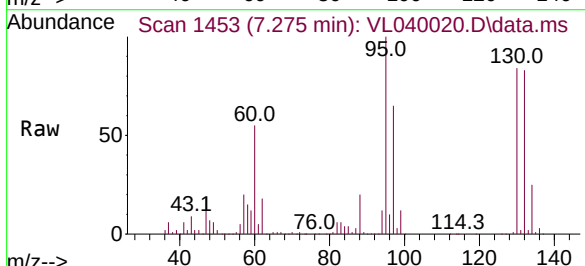
Ion Ratio Lower Upper

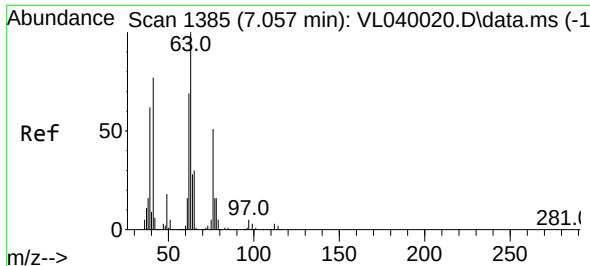
130 100

95 118.5 94.8 142.2

132 97.8 78.2 117.4

97 77.1 61.7 92.5





#39

1,2-Dichloropropane

Concen: 8.853 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

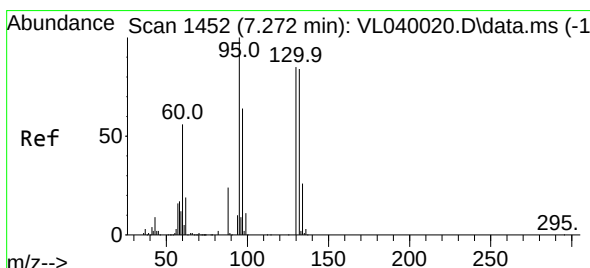
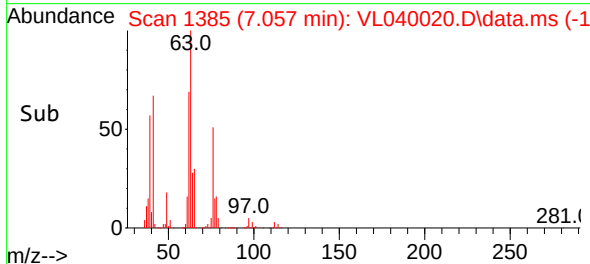
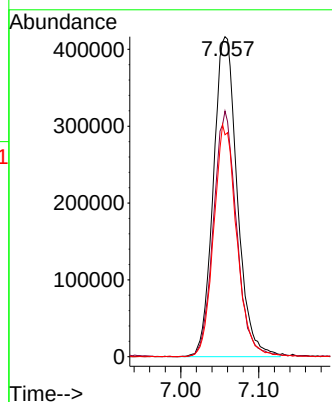
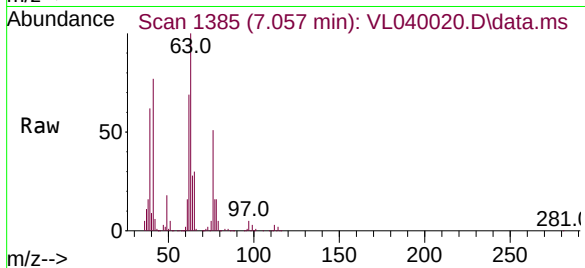
Tgt Ion: 63 Resp: 887823

Ion Ratio Lower Upper

63 100

41 76.7 61.4 92.0

62 69.3 55.4 83.2



#40

1,4-Dioxane

Concen: 8.574 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Tgt Ion: 88 Resp: 390008

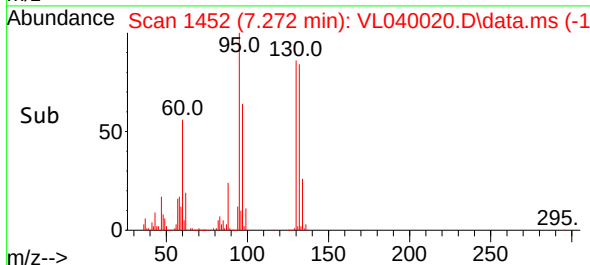
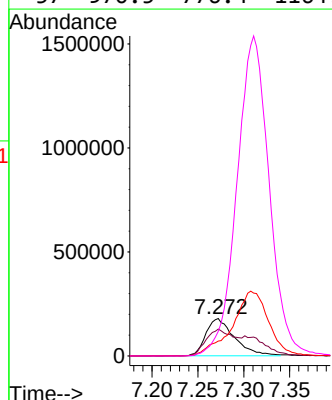
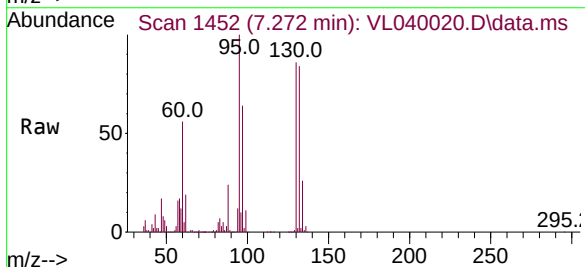
Ion Ratio Lower Upper

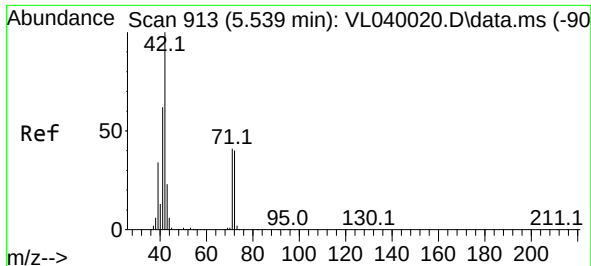
88 100

58 115.9 92.7 139.1

43 218.2 174.6 261.8

57 970.5 776.4 1164.6





#41

Tetrahydrofuran

Concen: 9.022 ppbv

RT: 5.539 min Scan# 913

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

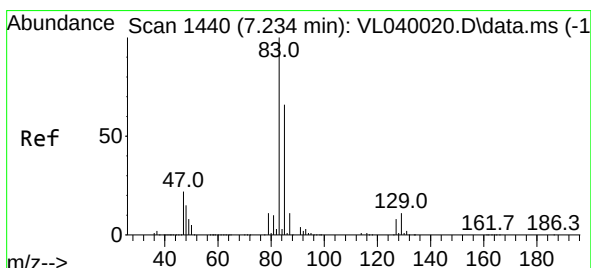
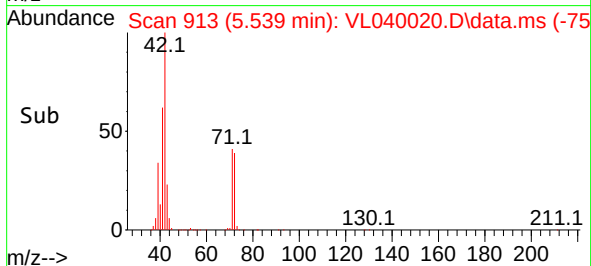
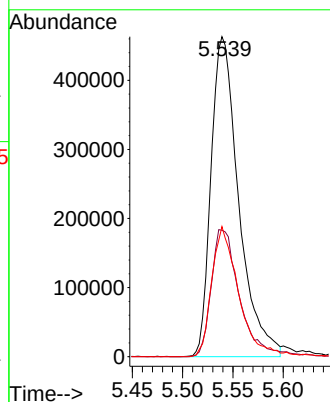
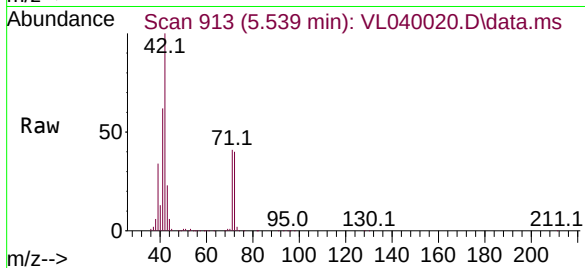
Tgt Ion: 42 Resp: 886232

Ion Ratio Lower Upper

42 100

72 41.0 32.9 49.3

71 40.2 32.2 48.2



#42

Bromodichloromethane

Concen: 9.296 ppbv

RT: 7.234 min Scan# 1440

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

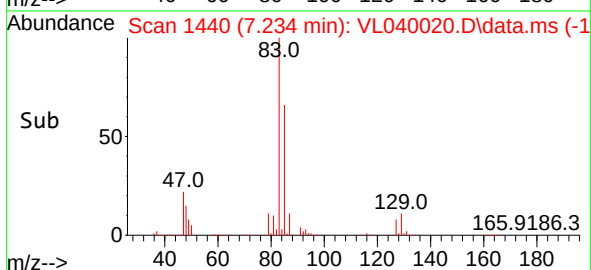
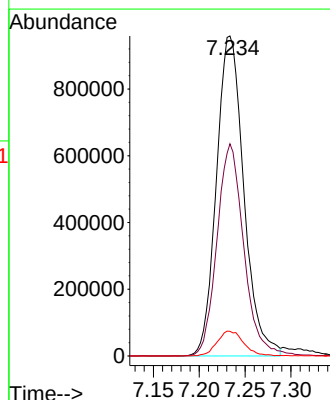
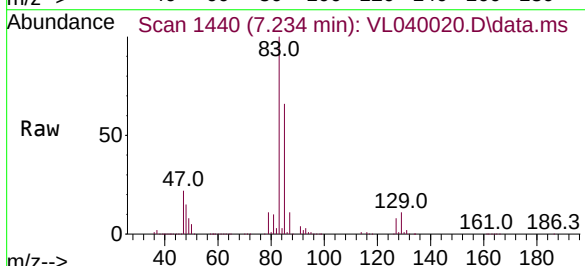
Tgt Ion: 83 Resp: 1995055

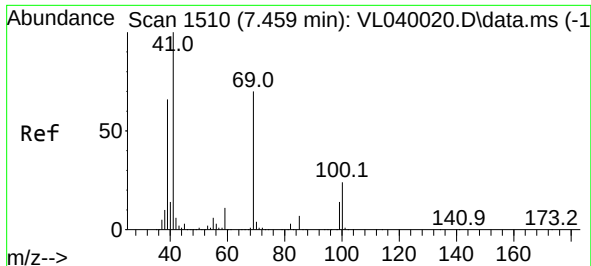
Ion Ratio Lower Upper

83 100

85 66.3 53.0 79.6

127 7.7 6.2 9.2

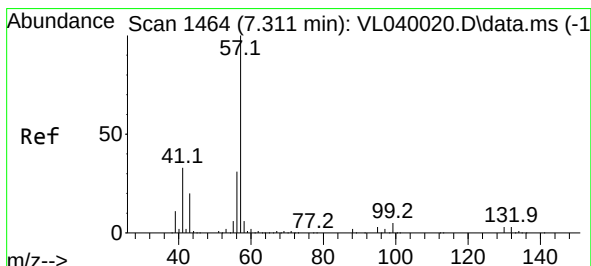
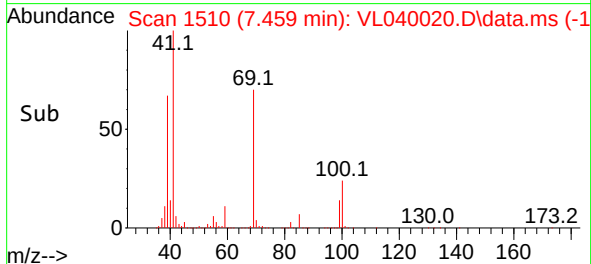
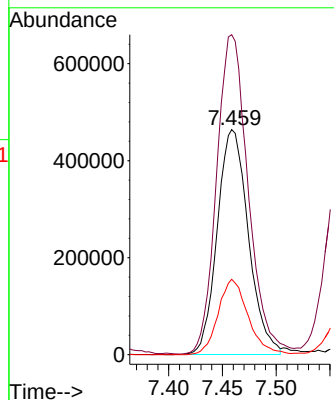
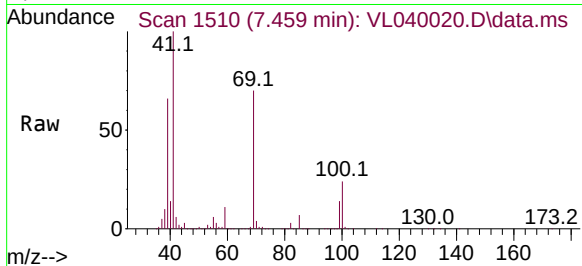




#43
Methyl Methacrylate
Concen: 9.293 ppbv
RT: 7.459 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

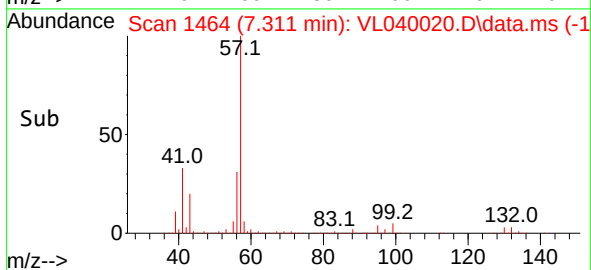
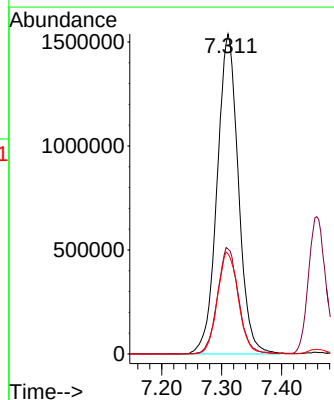
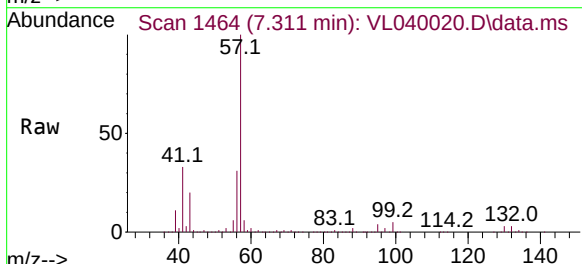
Instrument :
MSVOA_L
ClientSampleId :

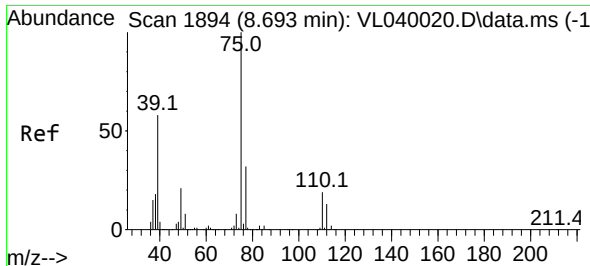
Tgt Ion: 69 Resp: 933155
Ion Ratio Lower Upper
69 100
41 144.6 115.7 173.5
100 32.5 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 8.581 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 57 Resp: 3779890
Ion Ratio Lower Upper
57 100
41 32.8 26.2 39.4
56 31.4 25.1 37.7

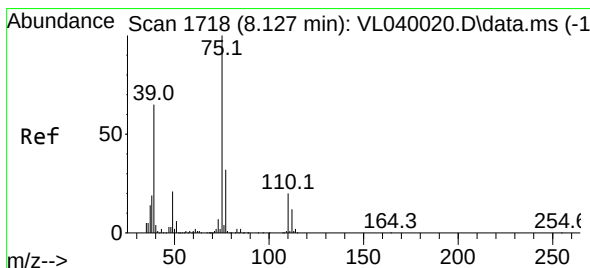
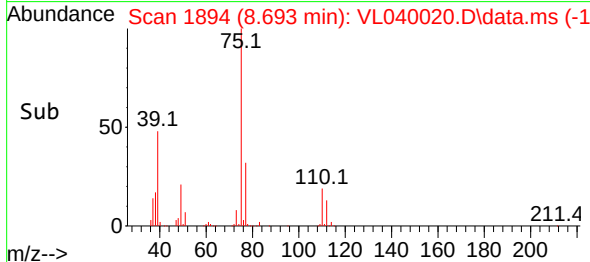
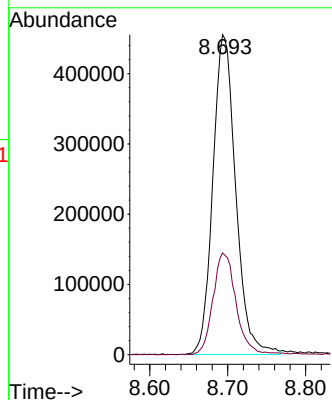
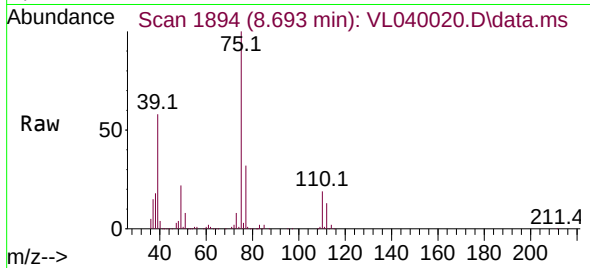




#45
 t-1,3-Dichloropropene
 Concen: 10.923 ppbv
 RT: 8.693 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

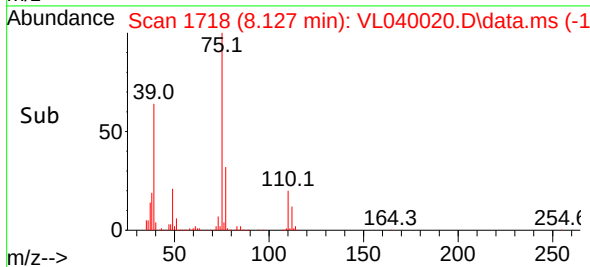
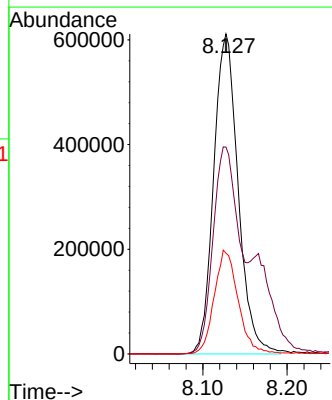
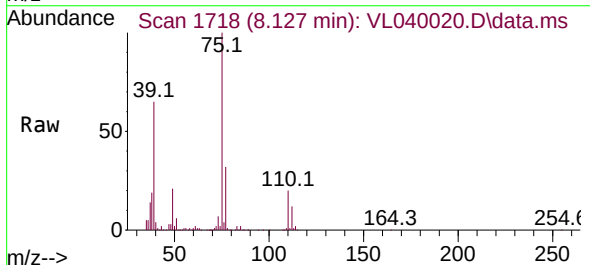
Instrument :
 MSVOA_L
 ClientSampleId :

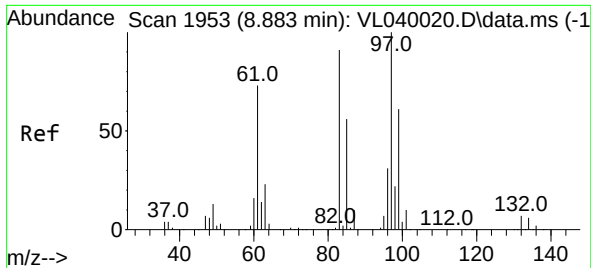
Tgt Ion: 75 Resp: 926928
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.296 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion: 75 Resp: 1232431
 Ion Ratio Lower Upper
 75 100
 39 64.6 51.7 77.5
 77 31.5 25.2 37.8

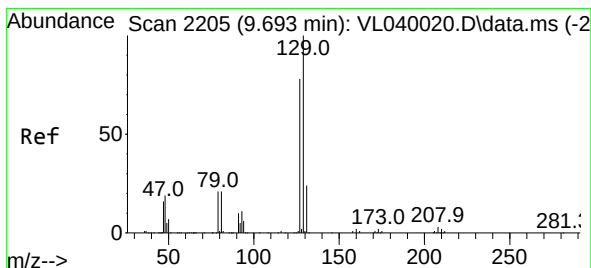
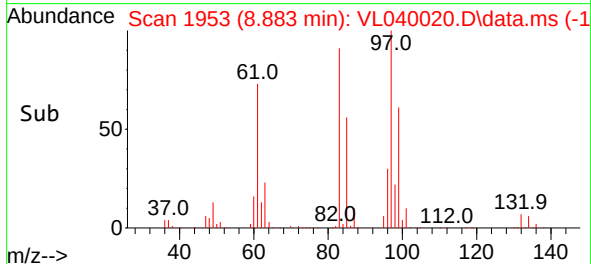
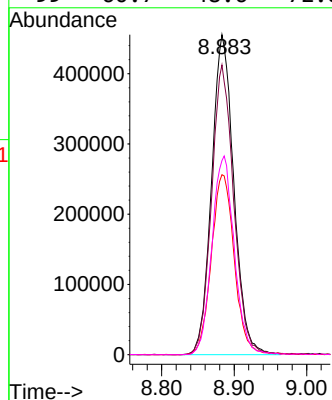
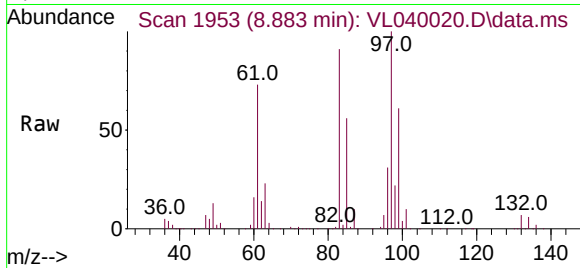




#47
 1,1,2-Trichloroethane
 Concen: 8.833 ppbv
 RT: 8.883 min Scan# 1953
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

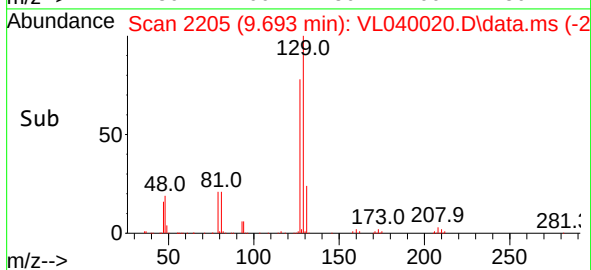
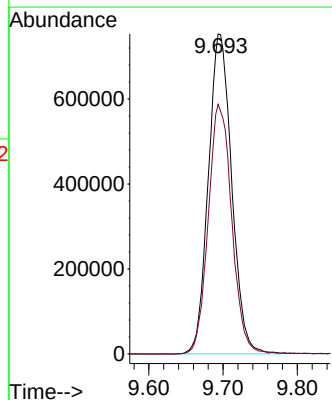
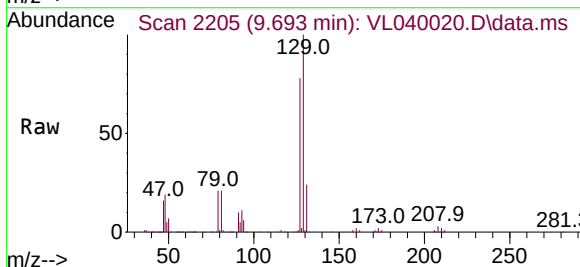
Instrument :
 MSVOA_L
 ClientSampleId :

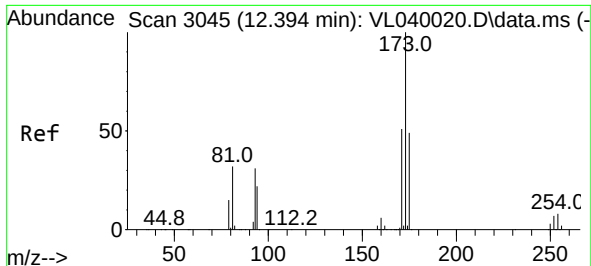
Tgt Ion: 97	Resp: 969191
Ion Ratio	Lower Upper
97 100	
83 90.6	72.5 108.7
85 56.3	45.0 67.6
99 60.7	48.6 72.8



#48
 Dibromochloromethane
 Concen: 9.831 ppbv
 RT: 9.693 min Scan# 2205
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

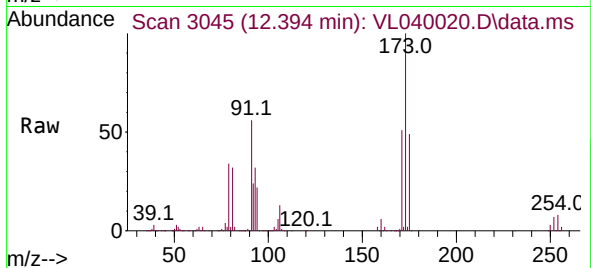
Tgt	Ion:129	Resp:	1643968
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1



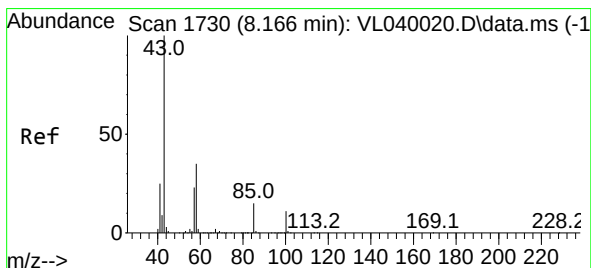
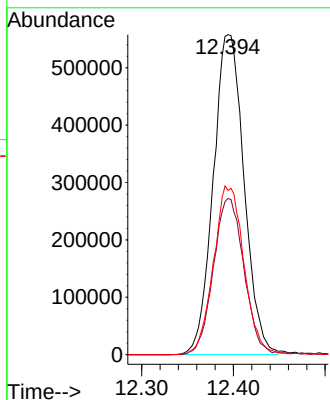
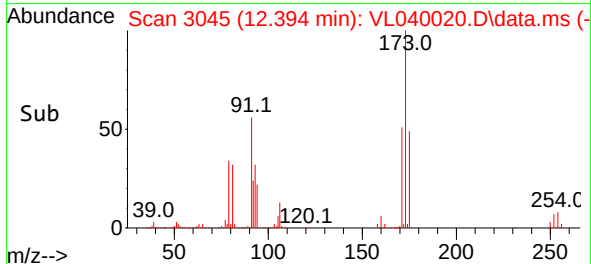


#49
Bromoform
Concen: 10.195 ppbv
RT: 12.394 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Instrument :
MSVOA_1
ClientSampleId :

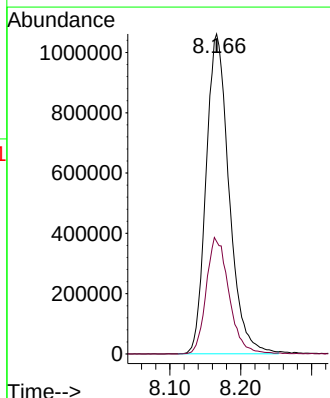
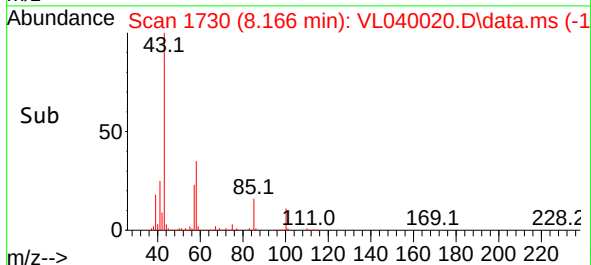
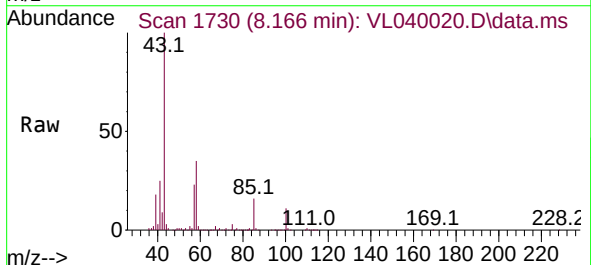


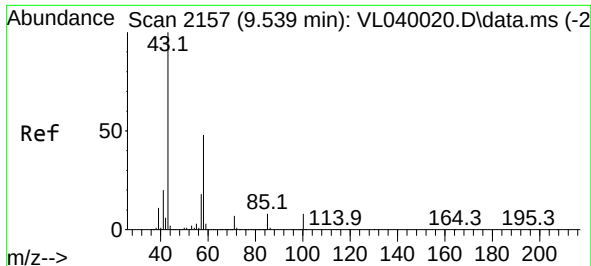
Tgt Ion:173 Resp: 1298838
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.4
171 52.6 42.0 63.0



#50
4-Methyl-2-Pentanone
Concen: 9.006 ppbv
RT: 8.166 min Scan# 1730
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 43 Resp: 2391247
Ion Ratio Lower Upper
43 100
58 36.2 29.0 43.4

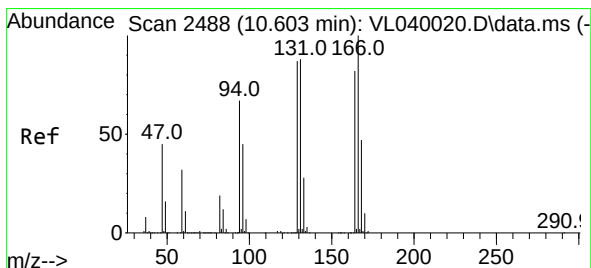
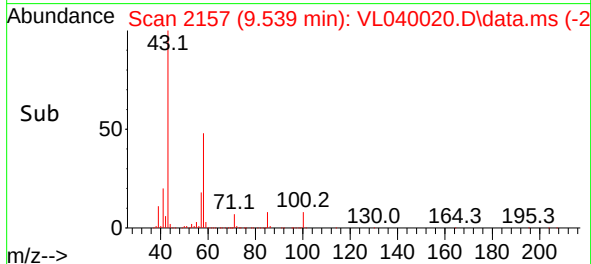
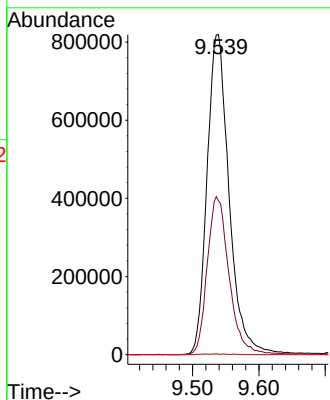
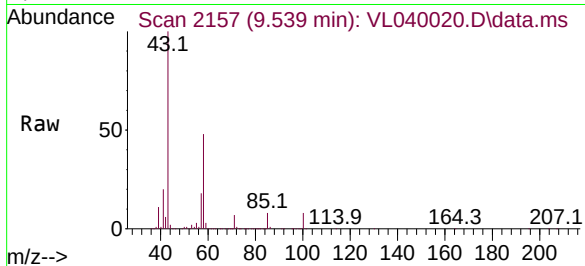




#51
2-Hexanone
Concen: 9.180 ppbv
RT: 9.539 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

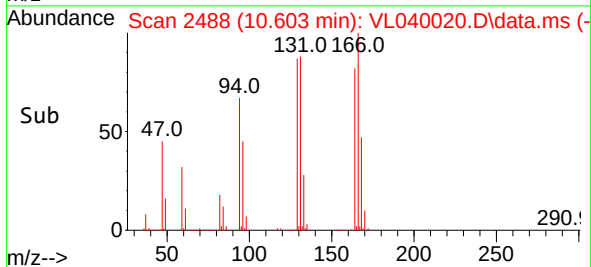
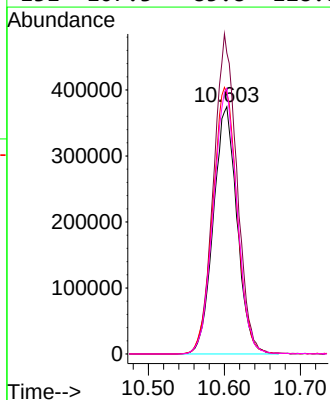
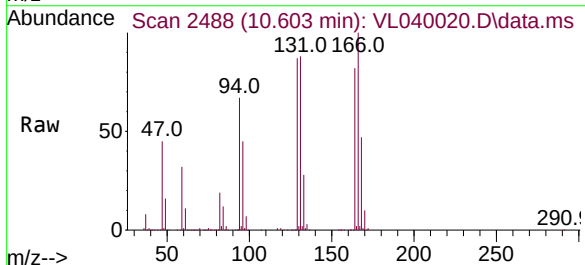
Instrument :
MSVOA_L
ClientSampleId :

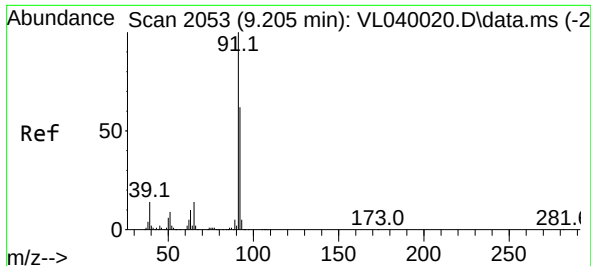
Tgt Ion: 43 Resp: 1889944
Ion Ratio Lower Upper
43 100
58 49.3 39.4 59.2
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 8.820 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 164 Resp: 807637
Ion Ratio Lower Upper
164 100
166 121.7 97.4 146.0
129 105.4 84.3 126.5
131 107.3 85.8 128.8

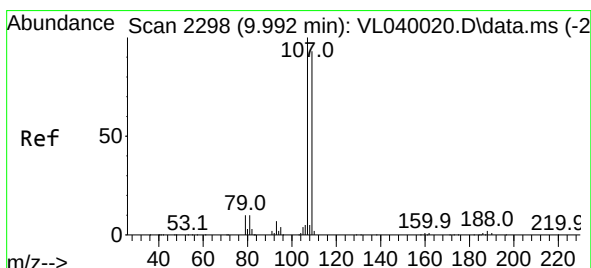
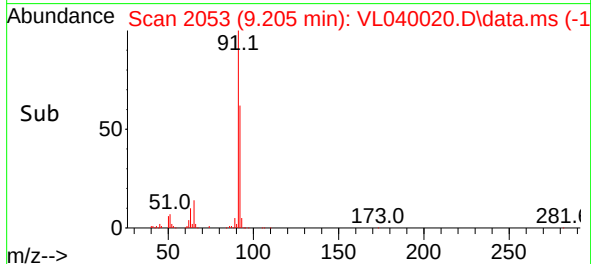
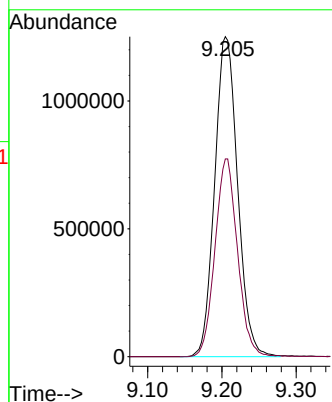
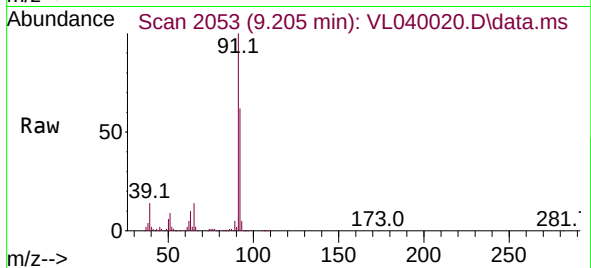




#53
Toluene
Concen: 9.079 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

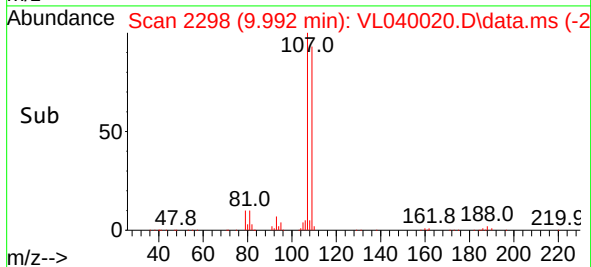
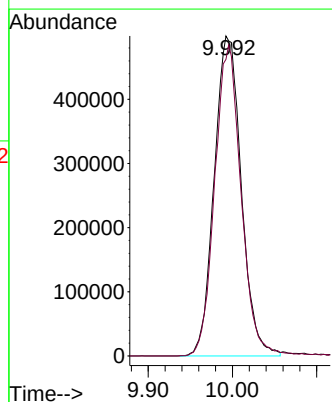
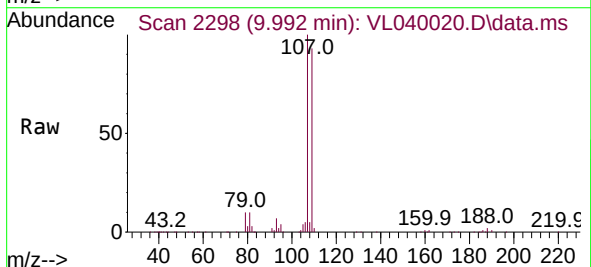
Instrument :
MSVOA_L
ClientSampleId :

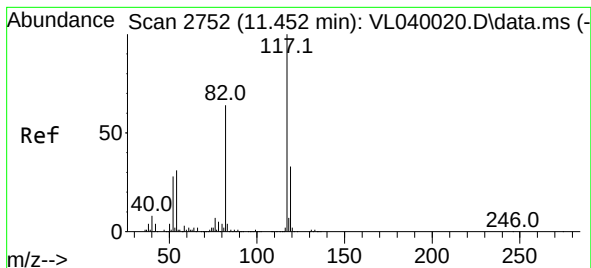
Tgt Ion: 91 Resp: 2689605
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1



#54
1,2-Dibromoethane
Concen: 9.461 ppbv
RT: 9.992 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 107 Resp: 1111409
Ion Ratio Lower Upper
107 100
109 92.6 74.1 111.1

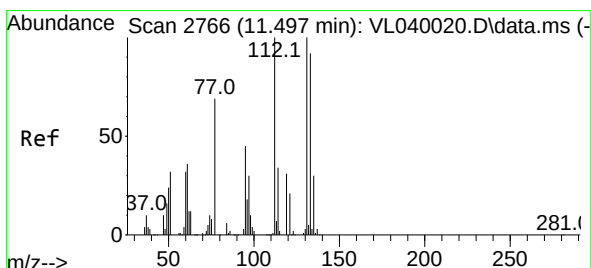
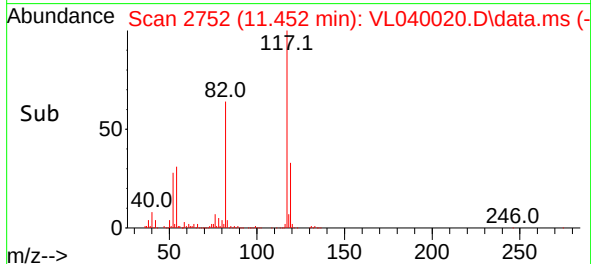
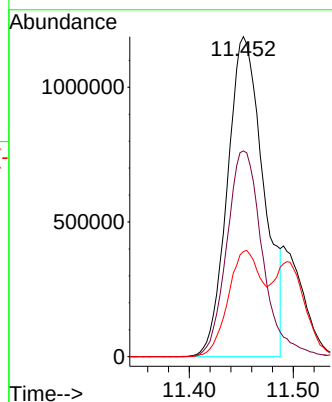
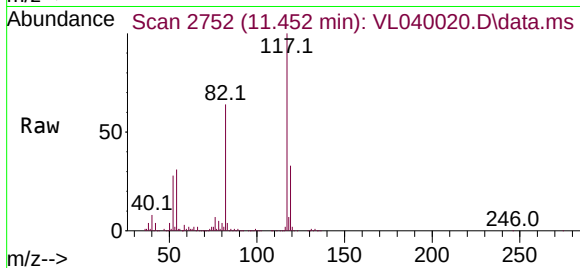




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

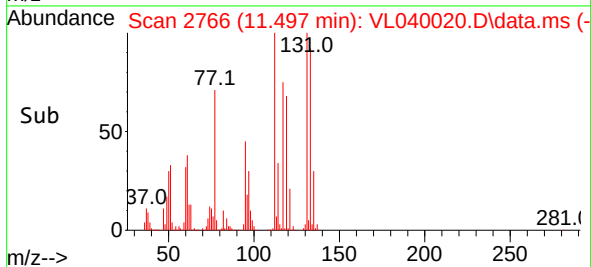
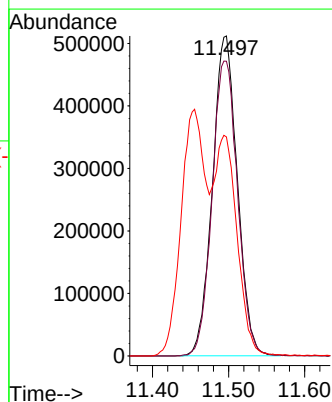
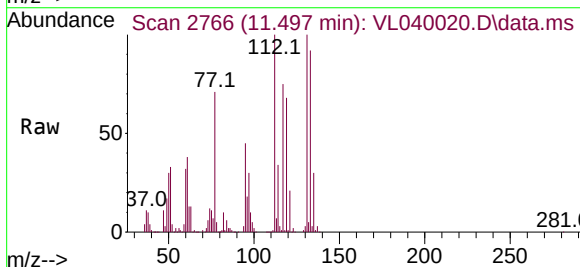
Instrument :
MSVOA_L
ClientSampleId :

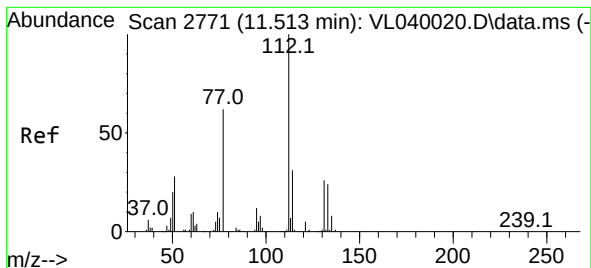
Tgt Ion:117 Resp: 2872305
Ion Ratio Lower Upper
117 100
82 64.0 51.2 76.8
119 29.0 23.2 34.8



#56
1,1,1,2-Tetrachloroethane
Concen: 8.760 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion:131 Resp: 1161384
Ion Ratio Lower Upper
131 100
133 94.8 75.8 113.8
119 60.6 52.3 78.5





#57

Chlorobenzene

Concen: 8.510 ppbv

RT: 11.513 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

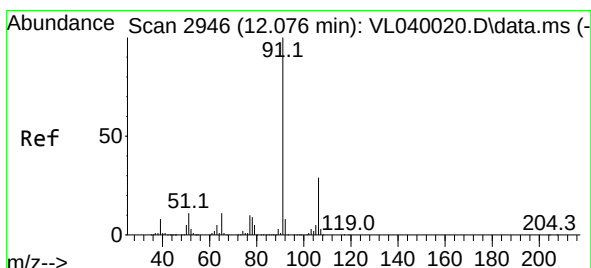
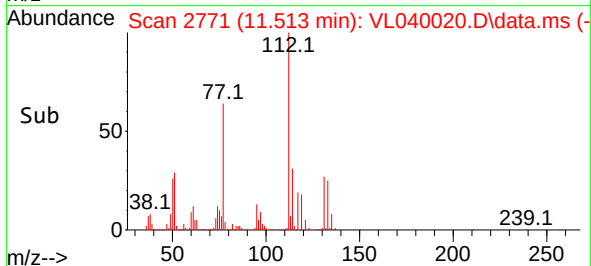
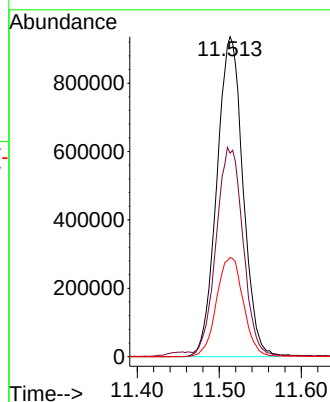
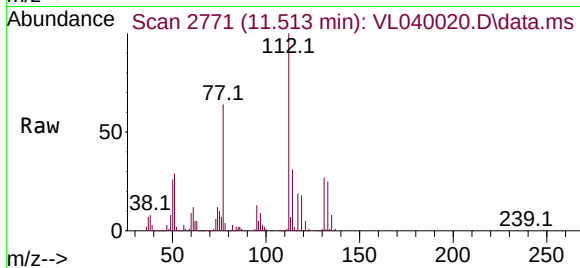
Tgt Ion:112 Resp: 2075018

Ion Ratio Lower Upper

112 100

77 63.2 50.6 75.8

114 30.9 27.8 34.0



#58

Ethyl Benzene

Concen: 8.826 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL040020.D

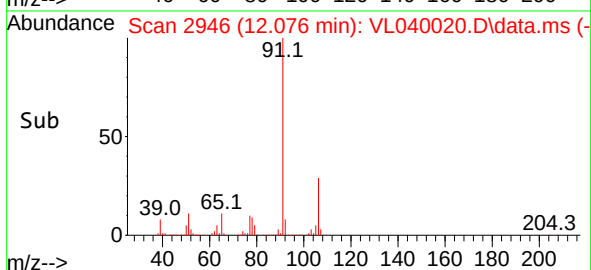
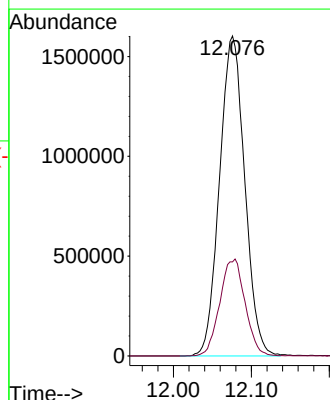
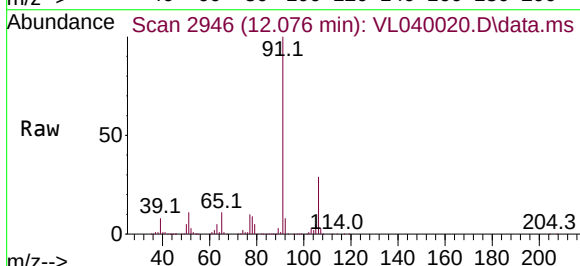
Acq: 19 Dec 2022 9:35

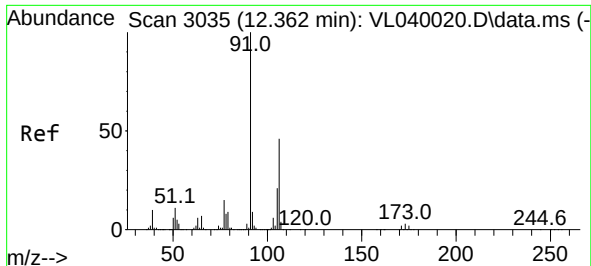
Tgt Ion: 91 Resp: 3601624

Ion Ratio Lower Upper

91 100

106 29.4 23.5 35.3





#59

m/p-Xylene

Concen: 6.693 ppbv

RT: 12.362 min Scan# 3035

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

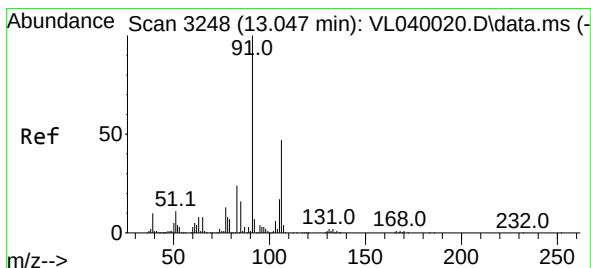
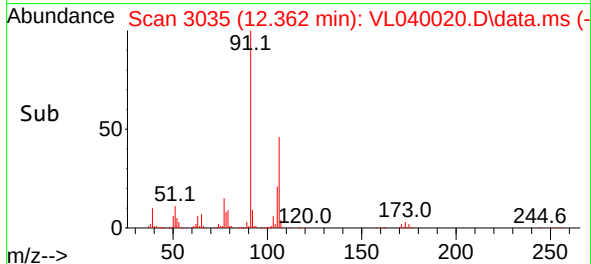
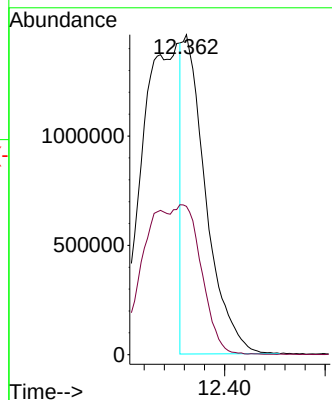
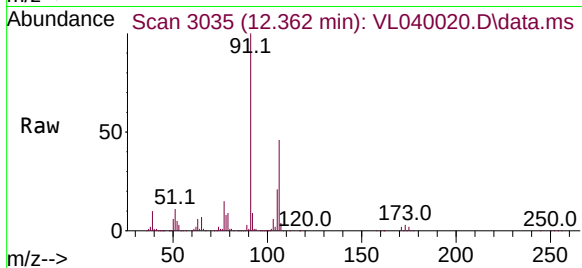
ClientSampleId :

Tgt Ion: 91 Resp: 2379278

Ion Ratio Lower Upper

91 100

106 113.7 35.5 53.3#



#60

o-Xylene

Concen: 8.579 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. 0.000 min

Lab File: VL040020.D

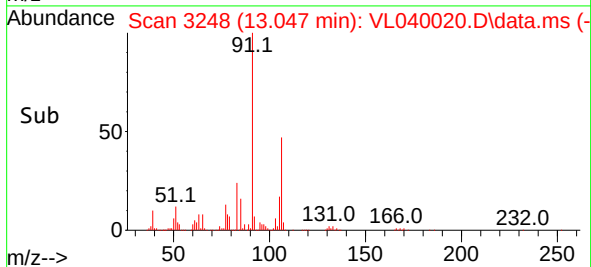
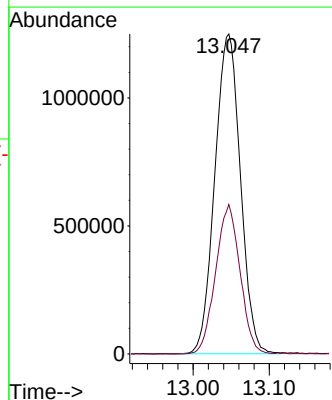
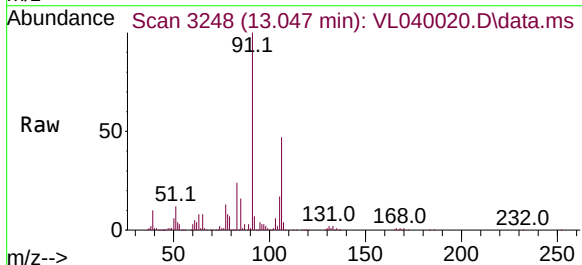
Acq: 19 Dec 2022 9:35

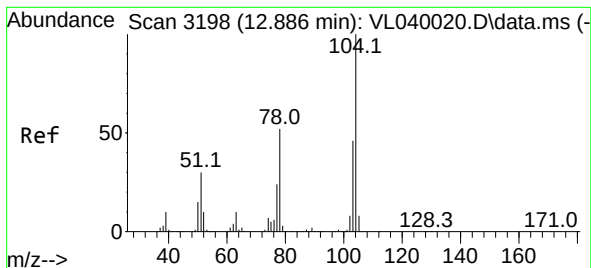
Tgt Ion: 91 Resp: 2920374

Ion Ratio Lower Upper

91 100

106 44.8 22.4 67.0





#61

Styrene

Concen: 9.595 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

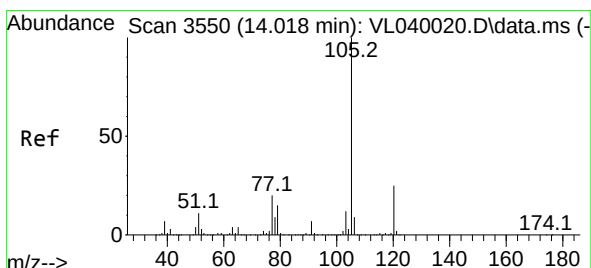
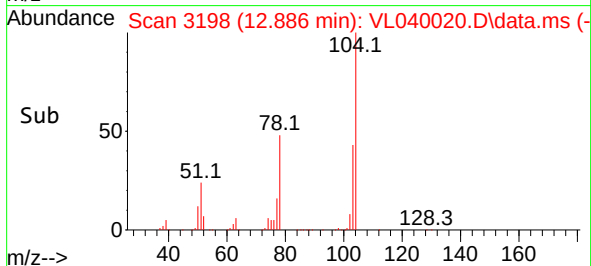
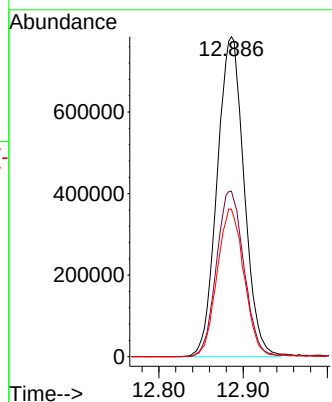
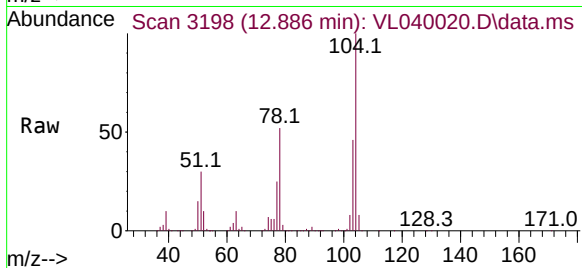
Tgt Ion:104 Resp: 1741921

Ion Ratio Lower Upper

104 100

78 53.0 42.4 63.6

103 46.5 37.2 55.8



#62

Isopropylbenzene

Concen: 8.369 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.000 min

Lab File: VL040020.D

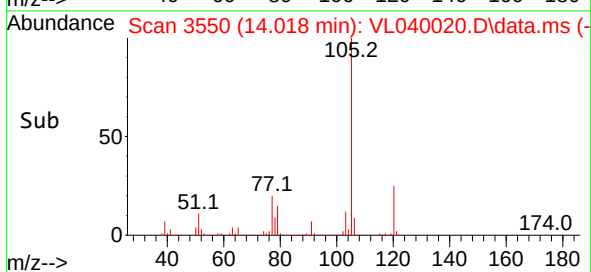
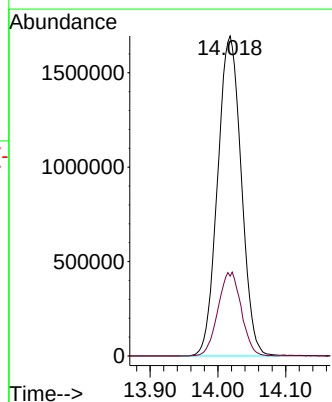
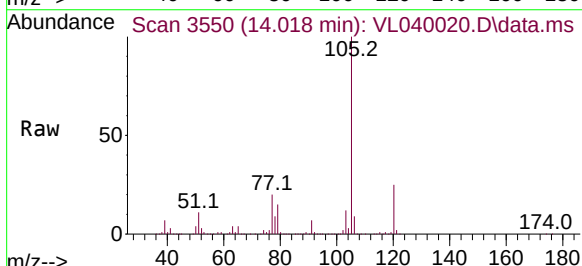
Acq: 19 Dec 2022 9:35

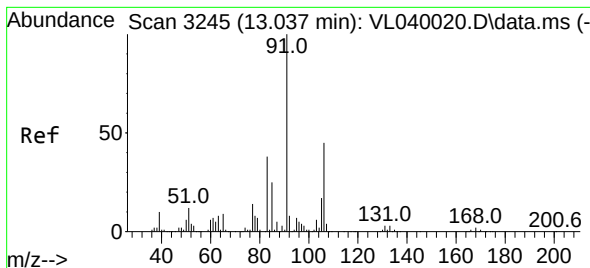
Tgt Ion:105 Resp: 4109874

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

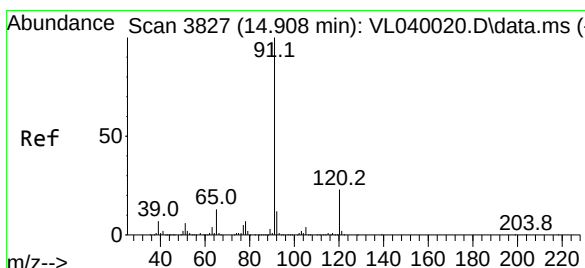
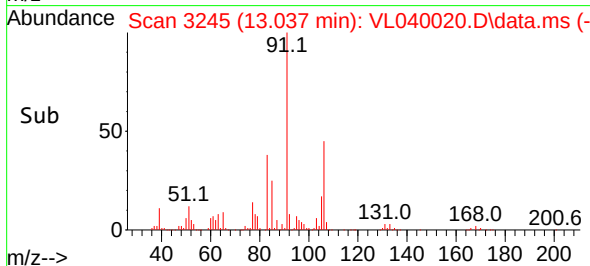
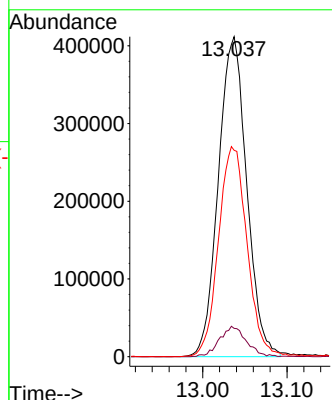
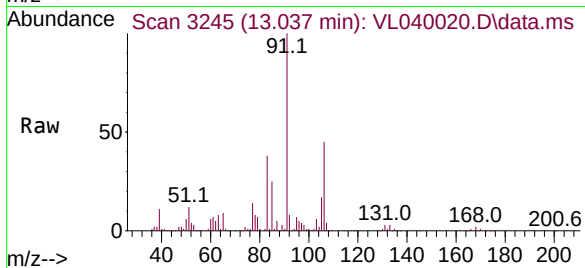




#63
1,1,2,2-Tetrachloroethane
Concen: 7.684 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

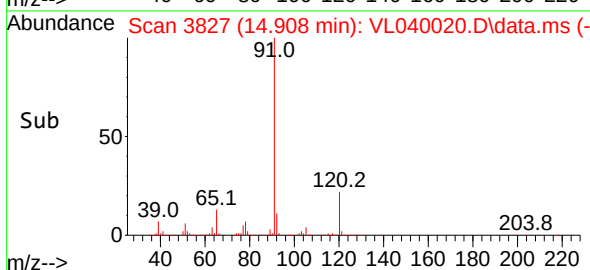
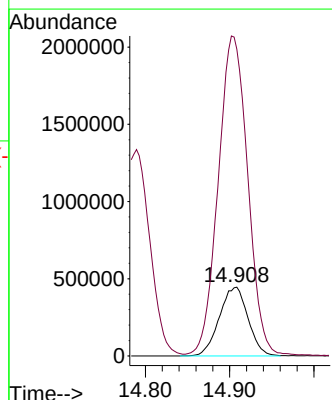
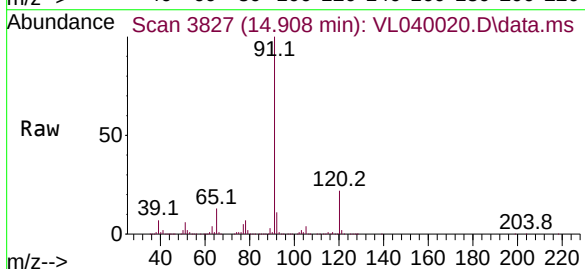
Instrument :
MSVOA_L
ClientSampleId :

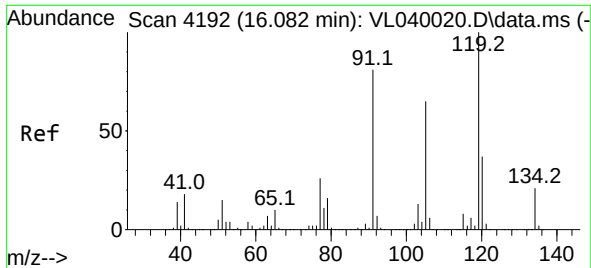
Tgt Ion: 83 Resp: 962539
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 66.4 33.3 99.9



#64
n-propylbenzene
Concen: 8.525 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion:120 Resp: 1053828
Ion Ratio Lower Upper
120 100
91 480.7 384.3 576.5

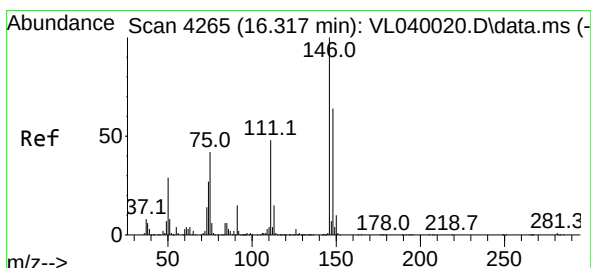
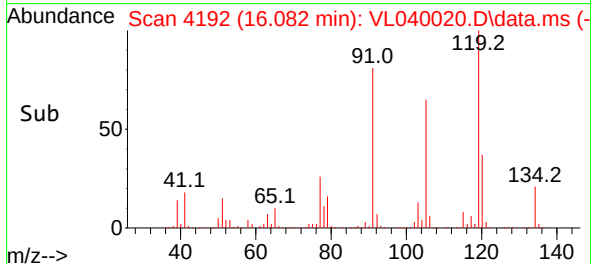
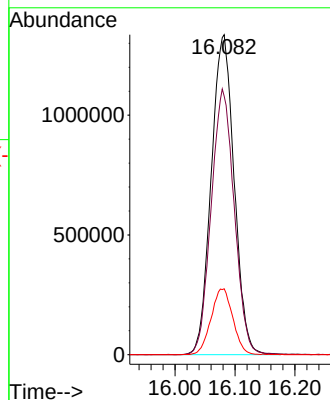
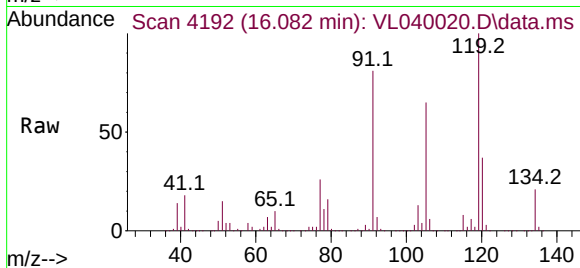




#65
tert-Butylbenzene
Concen: 8.312 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

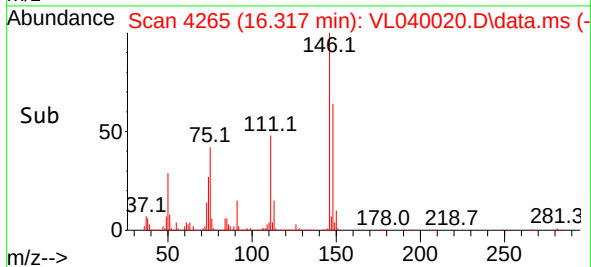
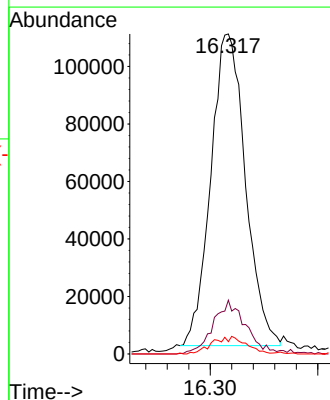
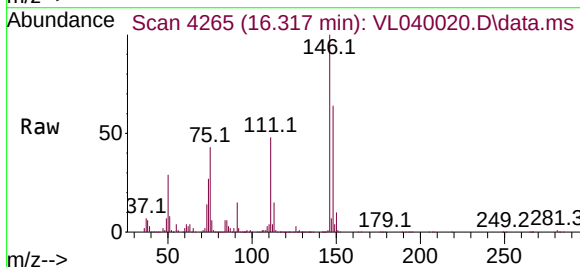
Instrument :
MSVOA_L
ClientSampleId :

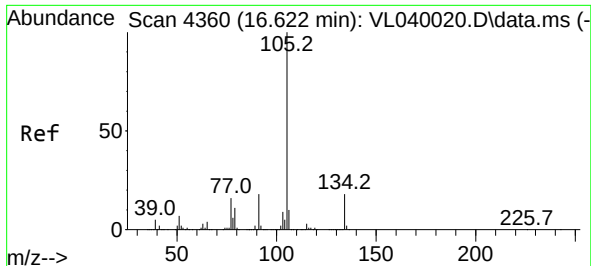
Tgt Ion:119 Resp: 3544445
Ion Ratio Lower Upper
119 100
91 83.6 66.9 100.3
134 19.7 15.8 23.6



#66
Benzyl Chloride
Concen: 10.950 ppbv
RT: 16.317 min Scan# 4265
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion: 91 Resp: 242536
Ion Ratio Lower Upper
91 100
126 16.6 12.2 18.2
128 5.7 4.2 6.2

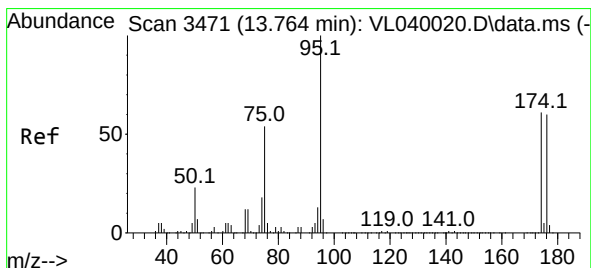
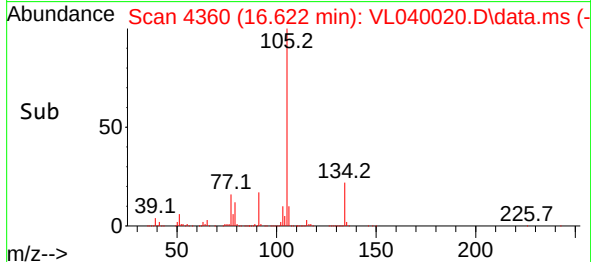
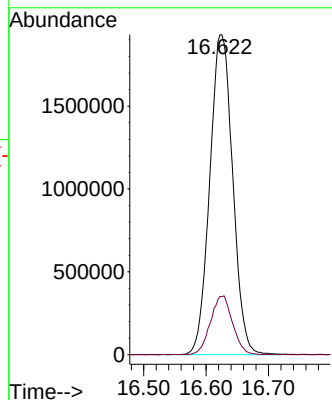
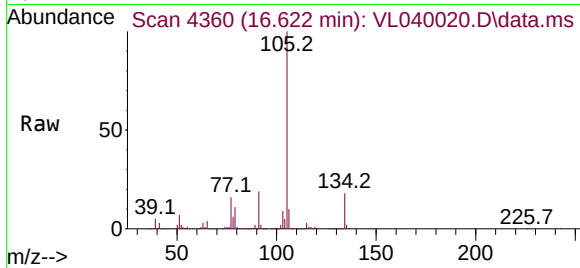




#67
 sec-Butylbenzene
 Concen: 8.255 ppbv
 RT: 16.622 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

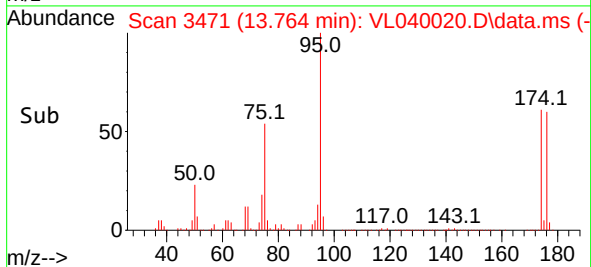
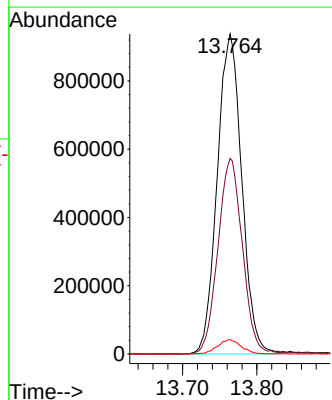
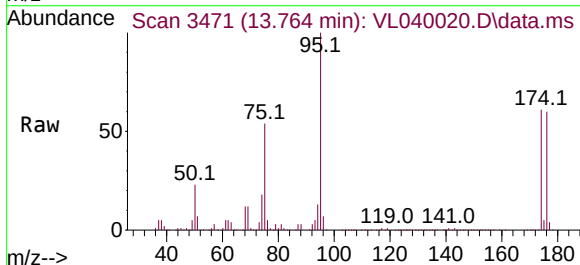
Instrument :
 MSVOA_L
 ClientSampleId :

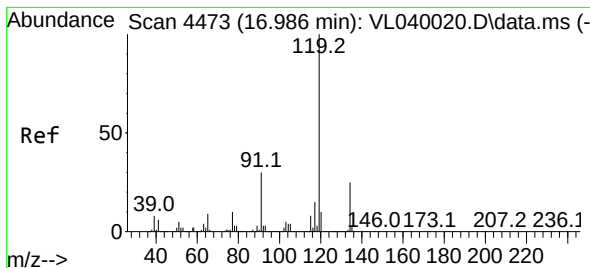
Tgt Ion:105 Resp: 4936868
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.826 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion: 95 Resp: 2155863
 Ion Ratio Lower Upper
 95 100
 174 60.8 48.6 73.0
 175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 8.361 ppbv

RT: 16.986 min Scan# 4473

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :

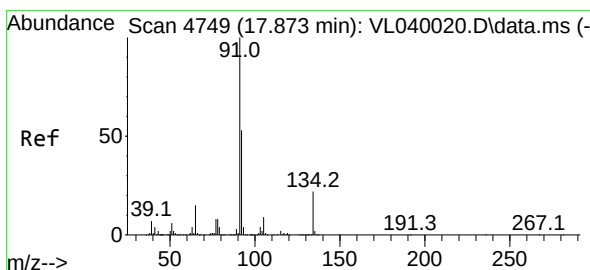
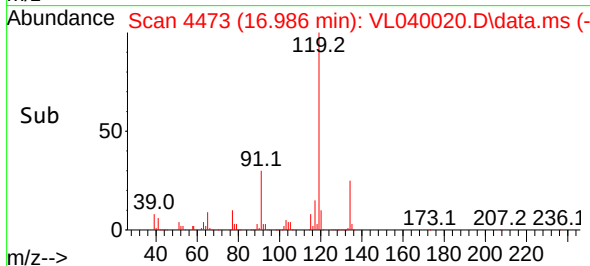
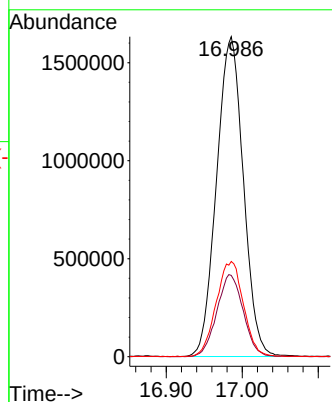
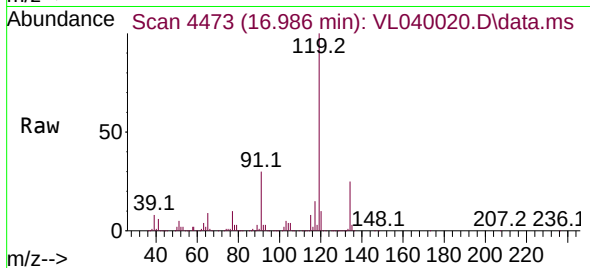
Tgt Ion:119 Resp: 3994293

Ion Ratio Lower Upper

119 100

134 25.4 20.2 30.4

91 30.3 24.2 36.4



#70

n-Butylbenzene

Concen: 8.243 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.000 min

Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

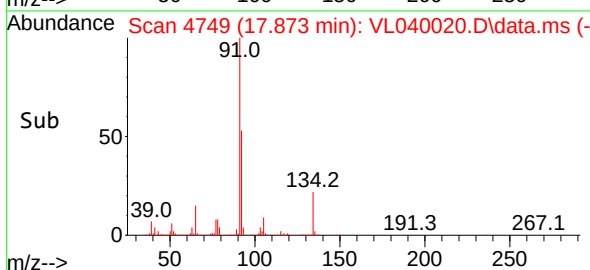
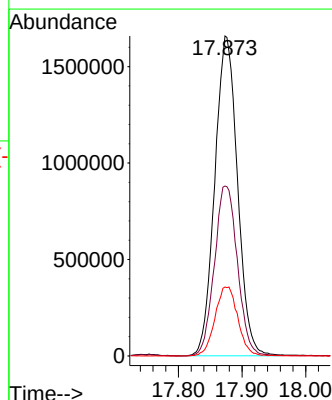
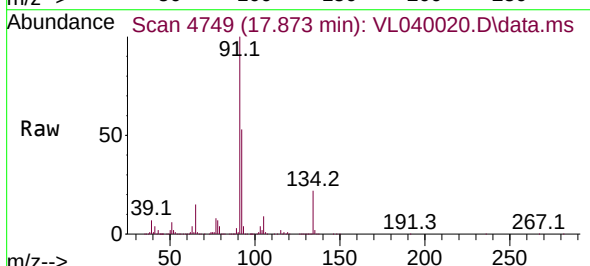
Tgt Ion: 91 Resp: 4113758

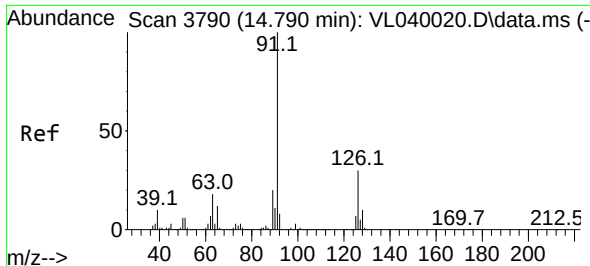
Ion Ratio Lower Upper

91 100

92 54.1 43.2 64.8

134 21.7 17.4 26.2

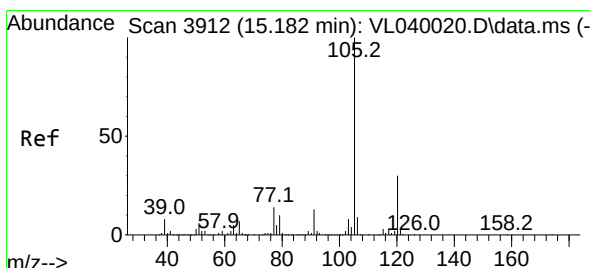
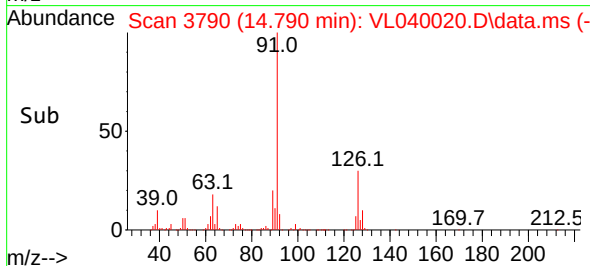
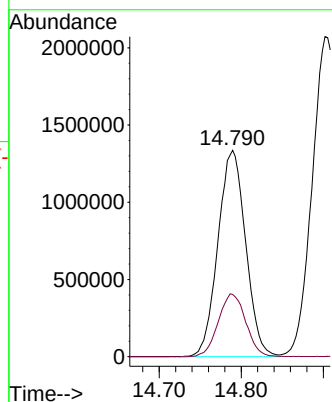
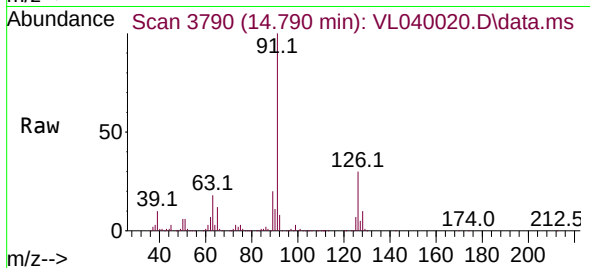




#71
2-Chlorotoluene
Concen: 8.379 ppbv
RT: 14.790 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

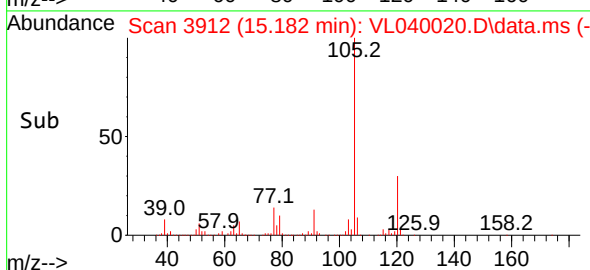
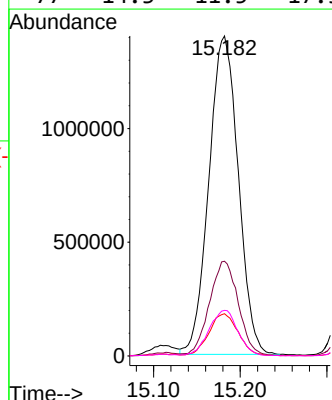
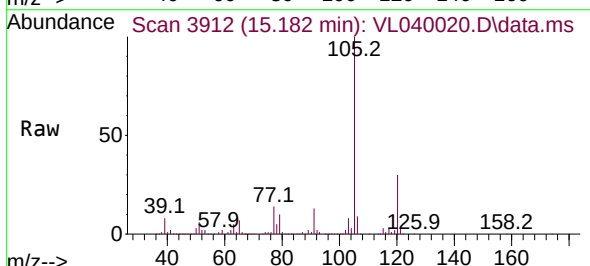
Instrument :
MSVOA_L
ClientSampleId :

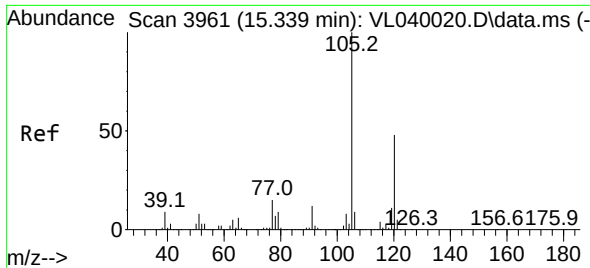
Tgt Ion: 91 Resp: 3139219
Ion Ratio Lower Upper
91 100
126 30.2 12.1 48.5



#72
4-Ethyltoluene
Concen: 8.730 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion:105 Resp: 3301598
Ion Ratio Lower Upper
105 100
120 30.4 23.5 35.3
91 13.2 10.5 15.7
77 14.3 11.5 17.3

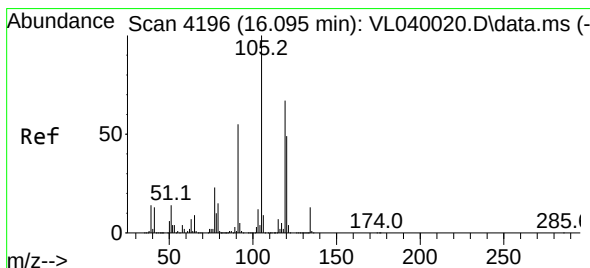
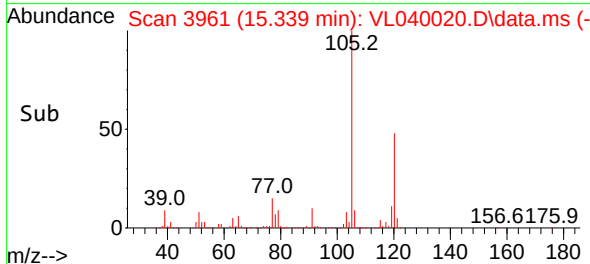
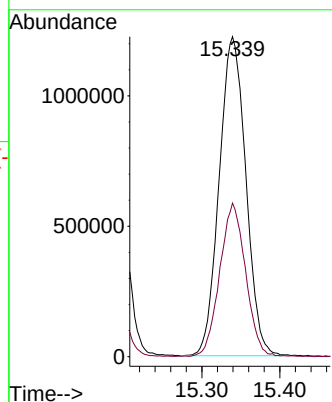
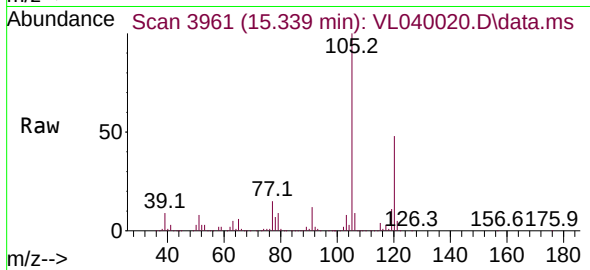




#73
 1,3,5-Trimethylbenzene
 Concen: 8.484 ppbv
 RT: 15.339 min Scan# 3961
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

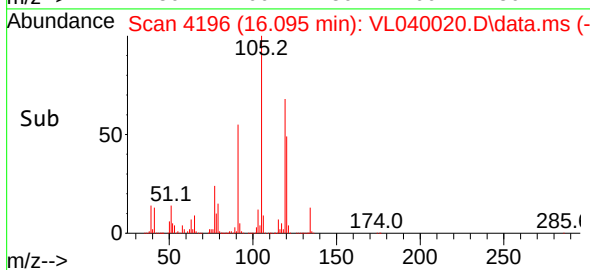
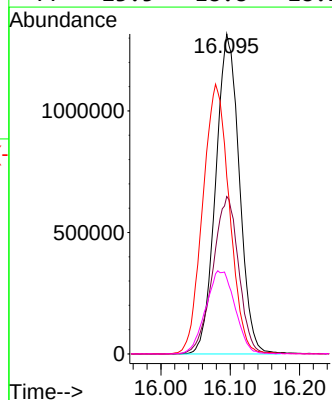
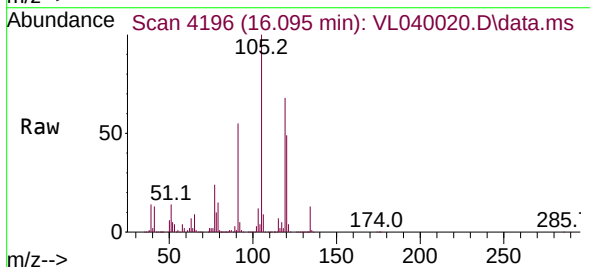
Instrument :
 MSVOA_L
 ClientSampleId :

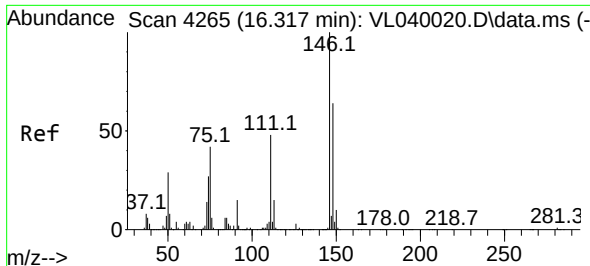
Tgt Ion:105 Resp: 2902626
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.4 57.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.299 ppbv
 RT: 16.095 min Scan# 4196
 Delta R.T. 0.000 min
 Lab File: VL040020.D
 Acq: 19 Dec 2022 9:35

Tgt Ion:105 Resp: 3120131
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.3 58.9
 91 55.3 44.2 66.4
 77 23.5 18.8 28.2

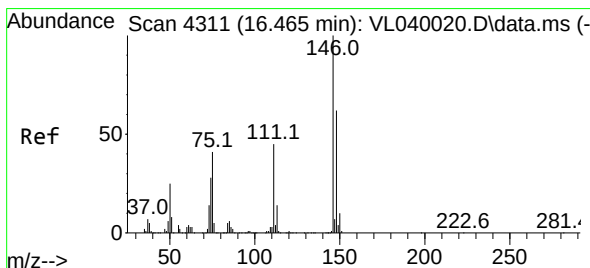
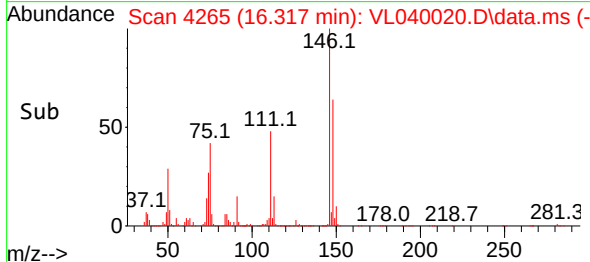
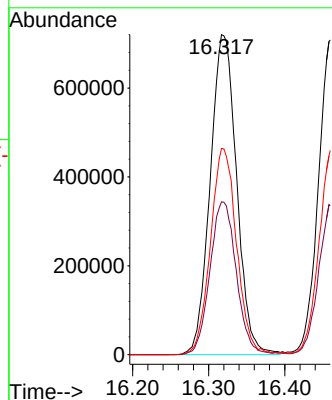
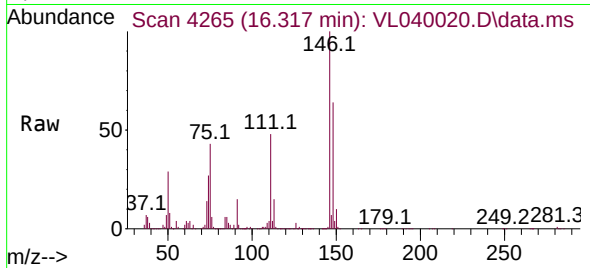




#75
1,3-Dichlorobenzene
Concen: 8.458 ppbv
RT: 16.317 min Scan# 4265
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

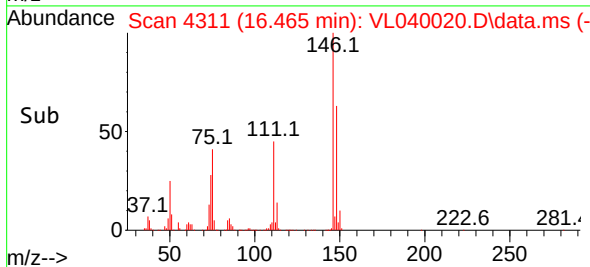
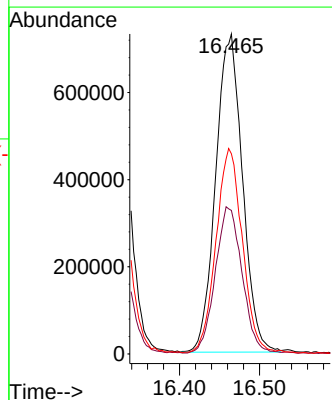
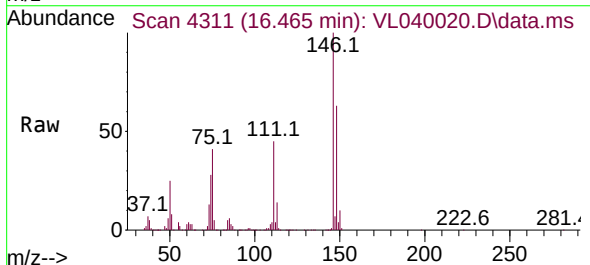
Instrument :
MSVOA_L
ClientSampleId :

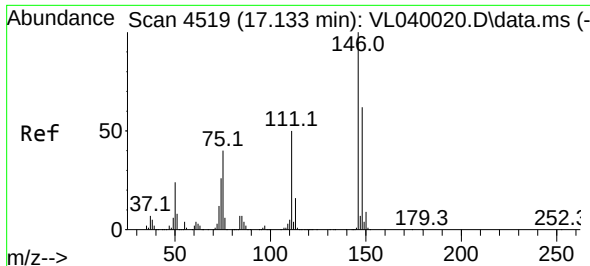
Tgt Ion:146 Resp: 1736286
Ion Ratio Lower Upper
146 100
111 47.9 23.9 71.8
148 64.1 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 8.378 ppbv
RT: 16.465 min Scan# 4311
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion:146 Resp: 1698010
Ion Ratio Lower Upper
146 100
111 46.7 23.4 70.2
148 64.1 32.0 96.2

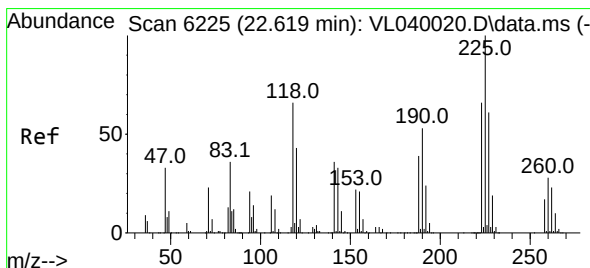
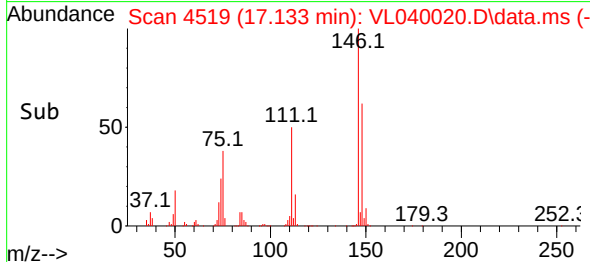
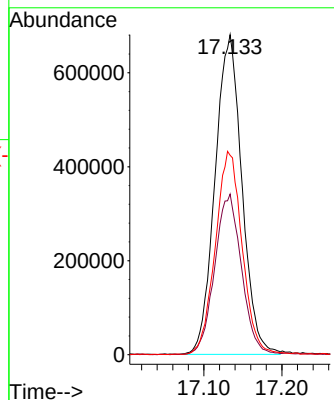
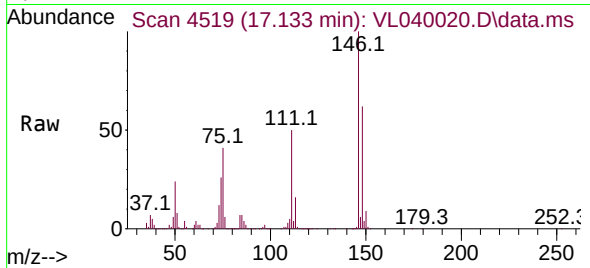




#77
1,2-Dichlorobenzene
Concen: 8.254 ppbv
RT: 17.133 min Scan# 4519
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

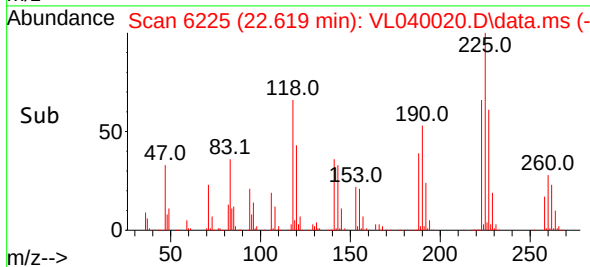
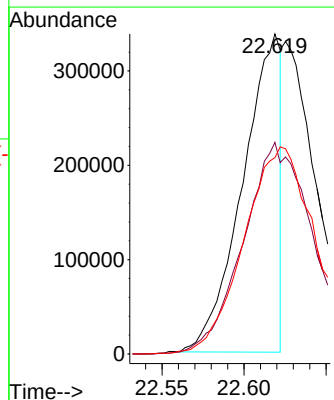
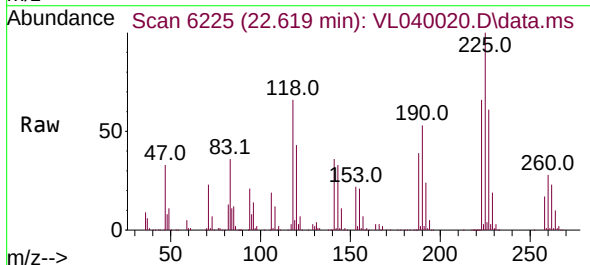
Instrument :
MSVOA_1
ClientSampleId :

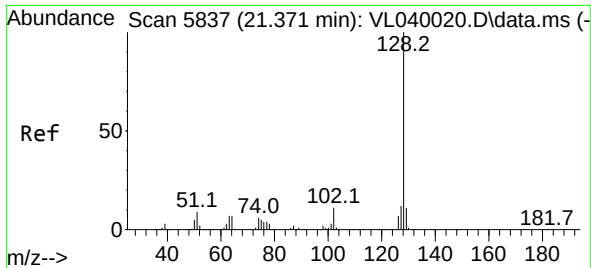
Tgt Ion:146 Resp: 1629901
Ion Ratio Lower Upper
146 100
111 50.7 25.3 75.9
148 64.1 31.9 95.9



#78
Hexachloro-1,3-Butadiene
Concen: 4.003 ppbv
RT: 22.619 min Scan# 6225
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion:225 Resp: 546434
Ion Ratio Lower Upper
225 100
223 120.3 0.0 0.0#
227 120.4 0.0 0.0#

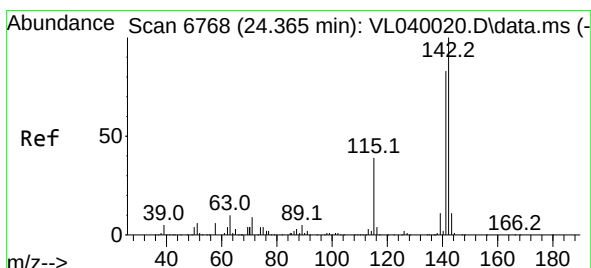
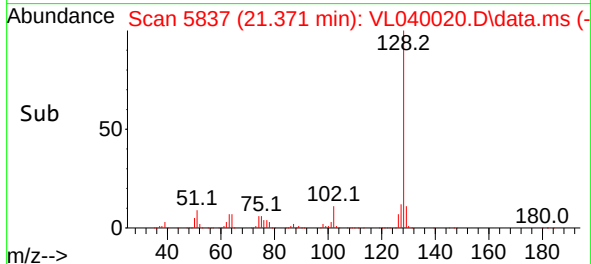
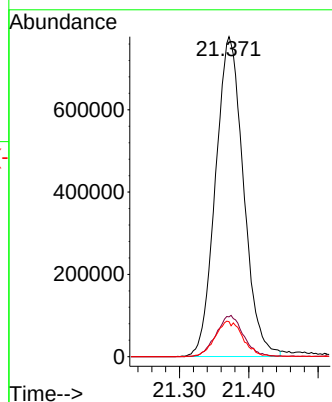
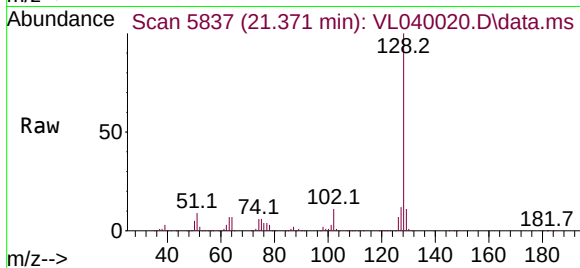




#79
Naphthalene
Concen: 9.762 ppbv
RT: 21.371 min Scan# 5837
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

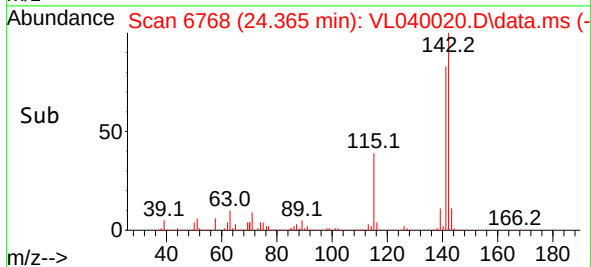
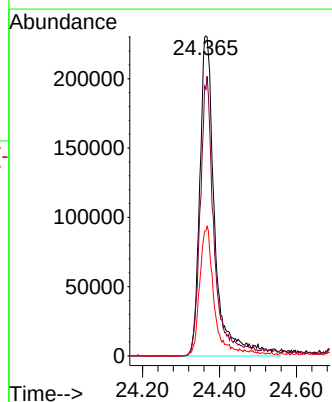
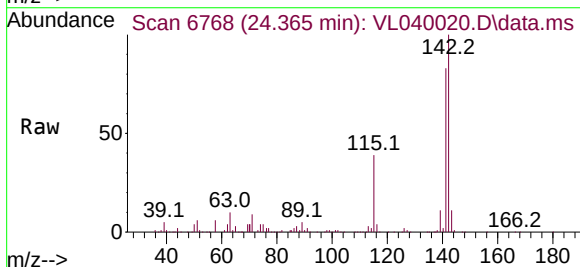
Instrument :
MSVOA_L
ClientSampleId :

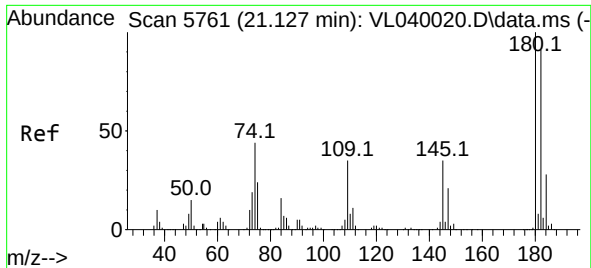
Tgt Ion:128 Resp: 2180047
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.0 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 9.828 ppbv
RT: 24.365 min Scan# 6768
Delta R.T. 0.000 min
Lab File: VL040020.D
Acq: 19 Dec 2022 9:35

Tgt Ion:142 Resp: 629789
Ion Ratio Lower Upper
142 100
141 80.6 65.3 97.9
115 40.2 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 8.468 ppbv

RT: 21.127 min Scan# 51

Delta R.T. 0.000 min

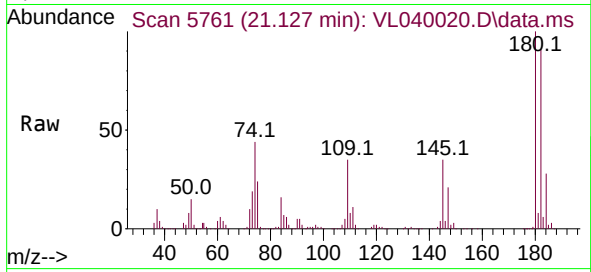
Lab File: VL040020.D

Acq: 19 Dec 2022 9:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1120039

Ion Ratio Lower Upper

180 100

182 95.0 76.6 115.0

184 30.6 24.9 37.3

