

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039681.D
 Acq On : 4 Oct 2022 14:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 05 04:39:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1133327	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3019296	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	3541488	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.786	95	2132911	8.068	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.700%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.755	85	1167055	8.882	ppbv	96
3) Chlorodifluoromethane	2.700	51	1211956	9.011	ppbv	96
4) Chloromethane	2.838	50	752048	9.266	ppbv	99
5) Vinyl Chloride	2.944	62	660632	9.766	ppbv	100
6) Bromomethane	3.144	94	232301	9.311	ppbv	97
7) Chloroethane	3.221	64	240466	9.720	ppbv	95
8) Dichlorotetrafluoroethane	2.880	85	1422004	9.023	ppbv	97
9) Propene	2.719	41	586924	9.555	ppbv	97
10) Heptane	7.590	43	1402035	9.781	ppbv	99
11) Trichlorofluoromethane	3.584	101	1530865	9.408	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	1183185	9.627	ppbv	99
13) Ethanol	3.266	45	29145	6.227	ppbv	100
14) Bromoethene	3.388	108	468101	9.541	ppbv	95
15) Acetone	3.491	43	1140448	9.043	ppbv	99
16) 1,3-Butadiene	3.009	39	625928	9.784	ppbv	100
17) tert-Butyl alcohol	3.899	59	1172548	10.361	ppbv	99
18) 1,1-Dichloroethene	3.903	96	518940	9.597	ppbv	95
19) Isopropyl Alcohol	3.597	45	647943	10.079	ppbv #	96
20) Methylene Chloride	3.954	84	454364	7.793	ppbv	95
21) Allyl Chloride	4.018	41	849256	9.890	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	559947	10.468	ppbv	99
23) Vinyl Acetate	4.645	43	505499	8.867	ppbv	99
24) 1,1-Dichloroethane	4.584	63	1128014	9.936	ppbv	99
25) Ethyl Acetate	5.221	43	2466580	8.970	ppbv	99
26) Hexane	5.230	57	1017247	8.717	ppbv	96
27) Carbon Disulfide	4.144	76	1416841	11.553	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	987770	10.075	ppbv	99
29) Chloroform	5.288	83	1558553	9.251	ppbv	97
30) Cyclohexane	6.613	84	866588	9.589	ppbv	93
31) cis-1,2-Dichloroethene	5.095	61	860563	8.153	ppbv	98
32) 1,1,1-Trichloroethane	6.018	97	1555451	10.199	ppbv	99
34) 2-Butanone	4.806	43	1313493	8.857	ppbv	97
35) Carbon Tetrachloride	6.507	117	1685385	10.515	ppbv	97
36) Benzene	6.385	78	2198660	9.525	ppbv	97
37) 1,2-Dichloroethane	5.822	62	1176664	9.366	ppbv	99
38) Trichloroethene	7.304	130	1241889	9.955	ppbv	99
39) 1,2-Dichloropropane	7.086	63	833926	9.356	ppbv	94
40) 1,4-Dioxane	7.301	88	330366	9.077	ppbv #	1
41) Tetrahydrofuran	5.574	42	908770	9.988	ppbv	95
42) Bromodichloromethane	7.263	83	1744860	9.985	ppbv	98
43) Methyl Methacrylate	7.491	69	857965	10.196	ppbv	100
44) 2,2,4-Trimethylpentane	7.340	57	3697920	9.294	ppbv	98
45) t-1,3-Dichloropropene	8.719	75	829956	11.672	ppbv	96

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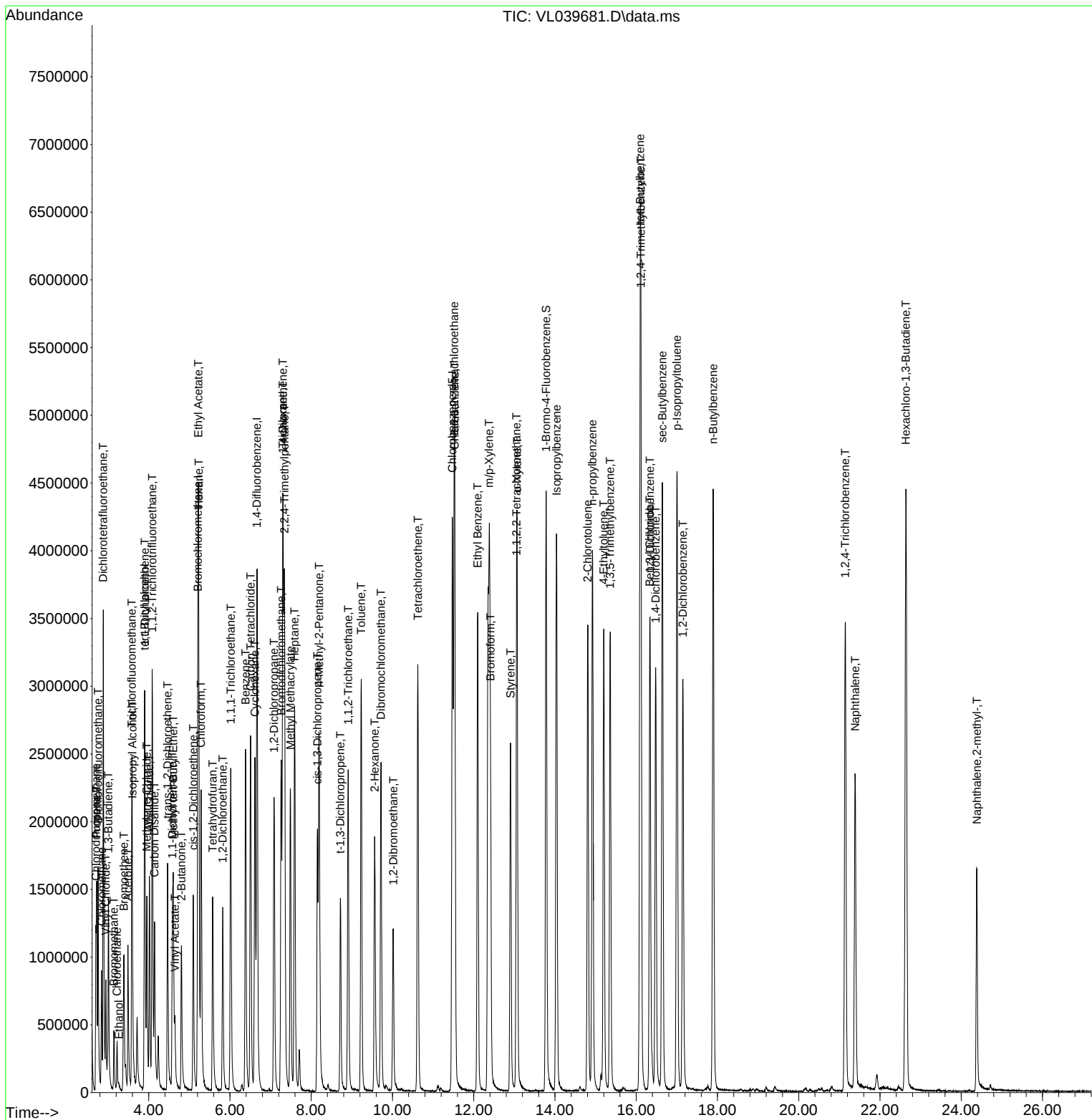
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 ClientSampleId :
 VSTDCCC010

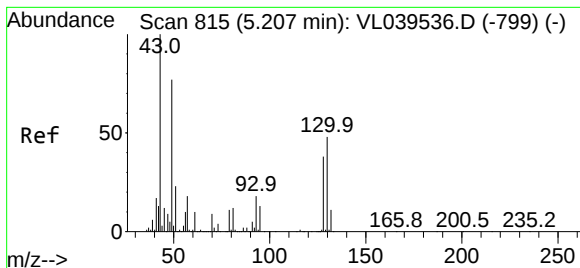
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1139260	11.255	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	892865	9.164	ppbv	97
48) Dibromochloromethane	9.716	129	1548650	10.556	ppbv	100
49) Bromoform	12.413	173	1290462	10.635	ppbv	98
50) 4-Methyl-2-Pentanone	8.192	43	2305644	9.894	ppbv	99
51) 2-Hexanone	9.561	43	1767517	10.246	ppbv	99
52) Tetrachloroethene	10.626	164	810997	9.209	ppbv	98
53) Toluene	9.230	91	2540507	9.895	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1023608	9.821	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.516	131	1100034	7.686	ppbv	96
57) Chlorobenzene	11.536	112	1880381	7.220	ppbv	98
58) Ethyl Benzene	12.098	91	3282236	8.038	ppbv	100
59) m/p-Xylene	12.381	91	2594322	7.139	ppbv #	18
60) o-Xylene	13.069	91	2614231	7.533	ppbv	98
61) Styrene	12.905	104	1580707	8.458	ppbv	98
62) Isopropylbenzene	14.040	105	3789717	7.257	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	964795	6.970	ppbv	99
64) n-propylbenzene	14.925	120	984045	7.359	ppbv	95
65) tert-Butylbenzene	16.098	119	3338852	7.237	ppbv	99
66) Benzyl Chloride	16.333	91	310115	8.443	ppbv	96
67) sec-Butylbenzene	16.645	105	4653677	7.192	ppbv	99
69) p-Isopropyltoluene	17.002	119	3901171	7.337	ppbv	99
70) n-Butylbenzene	17.896	91	3871081	7.427	ppbv	99
71) 2-Chlorotoluene	14.806	91	2766449	7.338	ppbv	100
72) 4-Ethyltoluene	15.201	105	3088811	7.797	ppbv	100
73) 1,3,5-Trimethylbenzene	15.359	105	2697091	7.440	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	2921748	7.190	ppbv	99
75) 1,3-Dichlorobenzene	16.339	146	1759401	7.256	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1691757	6.975	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1678026	7.097	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1381183	7.645	ppbv	98
79) Naphthalene	21.391	128	2911292	10.856	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1091492	10.825	ppbv	96
81) 1,2,4-Trichlorobenzene	21.146	180	1623566	9.218	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
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QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

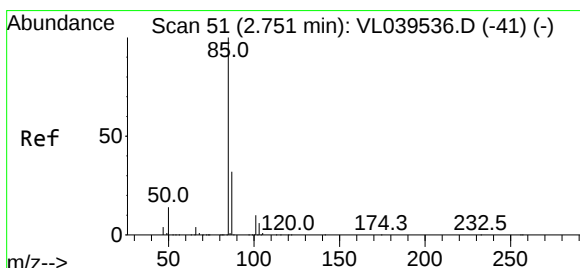
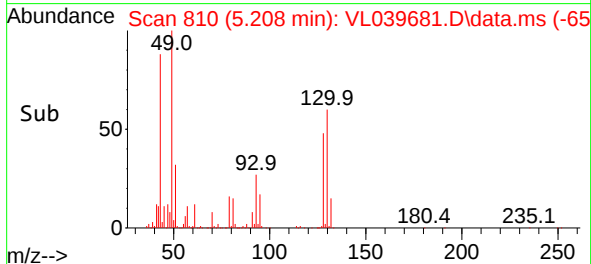
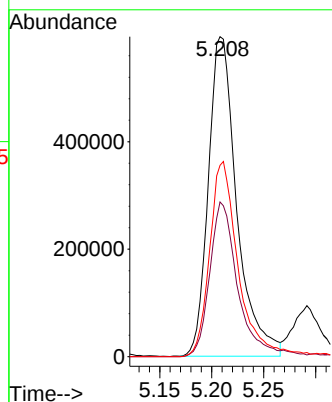
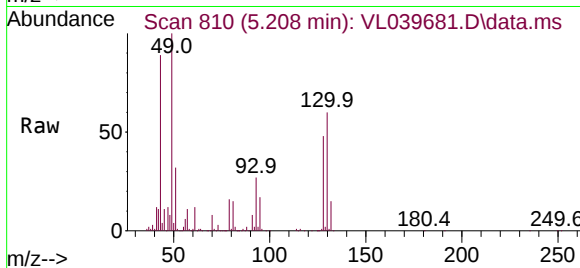




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

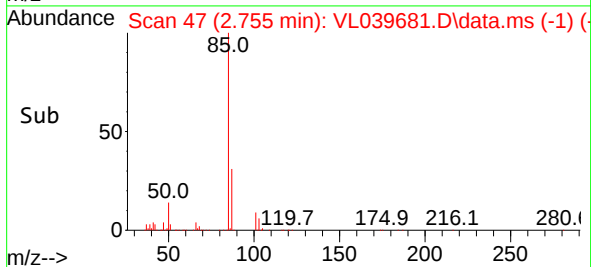
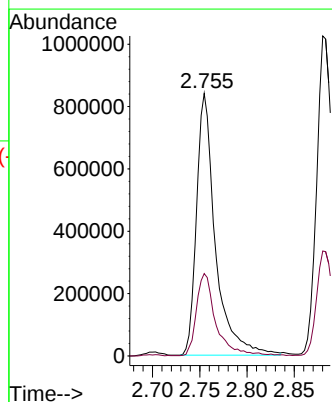
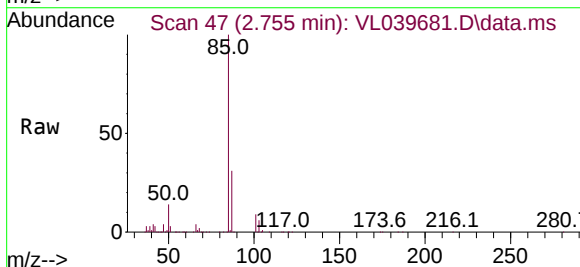
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 49 Resp: 1133327
 Ion Ratio Lower Upper
 49 100
 128 49.4 26.7 80.0
 130 63.0 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 8.882 ppbv
 RT: 2.755 min Scan# 47
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion: 85 Resp: 1167055
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.7 40.1

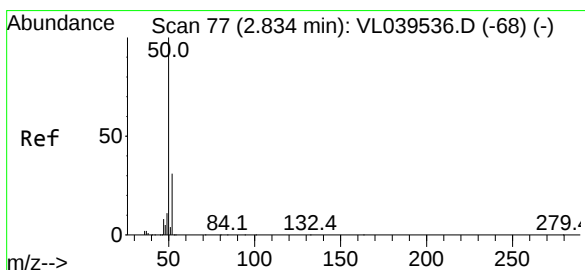
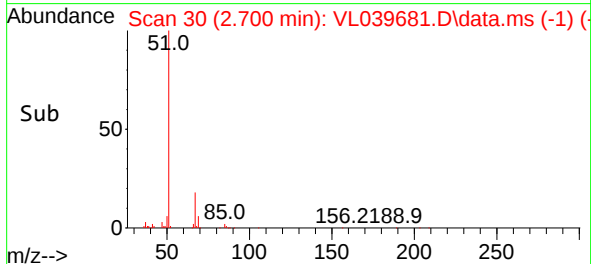
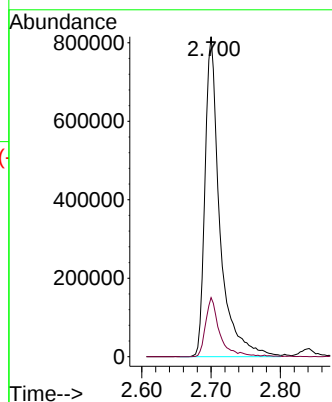
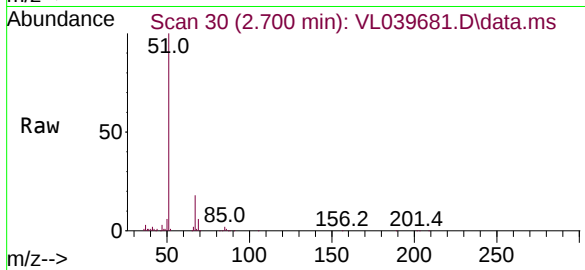




#3
Chlorodifluoromethane
Concen: 9.011 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

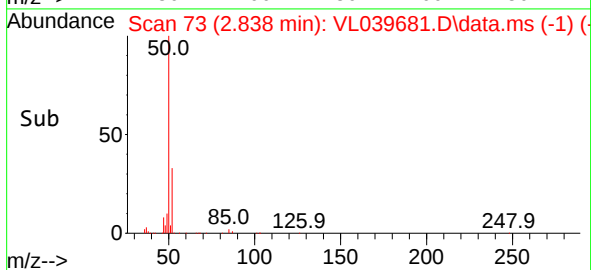
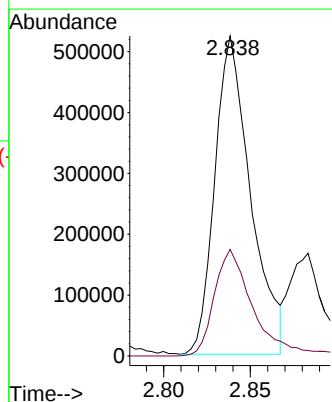
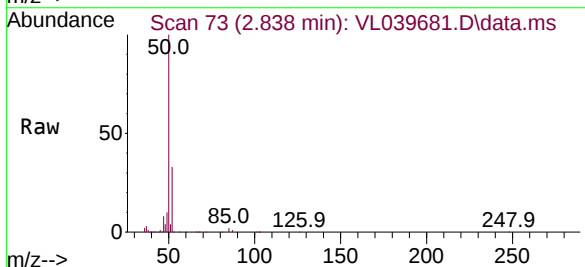
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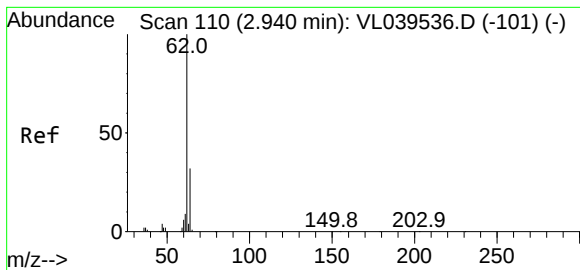
Tgt Ion: 51 Resp: 1211956
Ion Ratio Lower Upper
51 100
67 17.8 15.7 23.5



#4
Chloromethane
Concen: 9.266 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 50 Resp: 752048
Ion Ratio Lower Upper
50 100
52 33.4 26.5 39.7

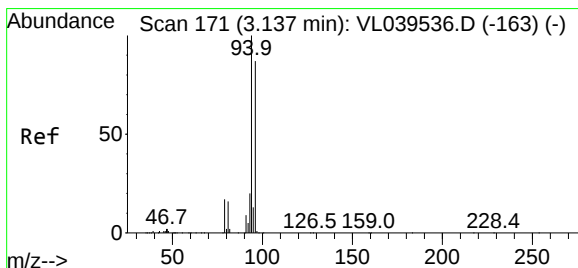
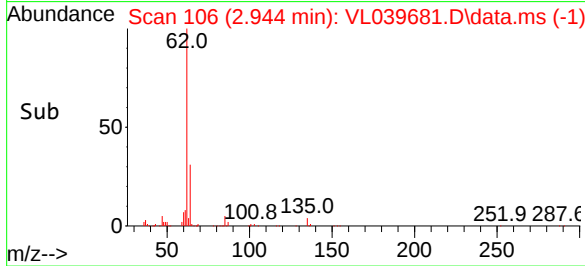
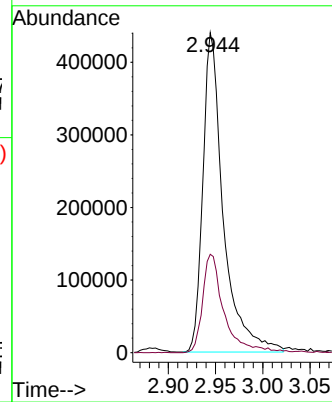
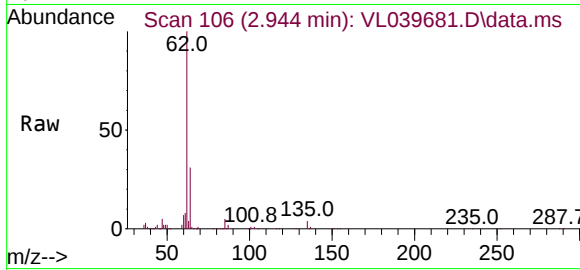




#5
 Vinyl Chloride
 Concen: 9.766 ppbv
 RT: 2.944 min Scan# 110
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

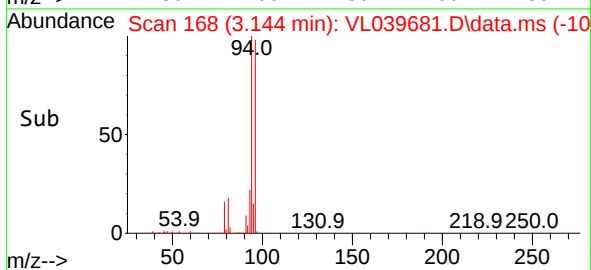
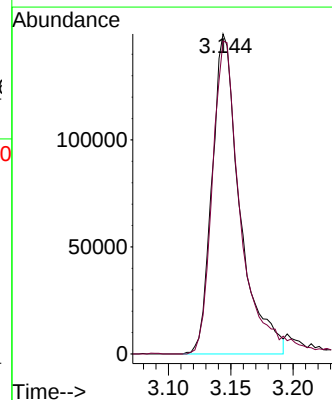
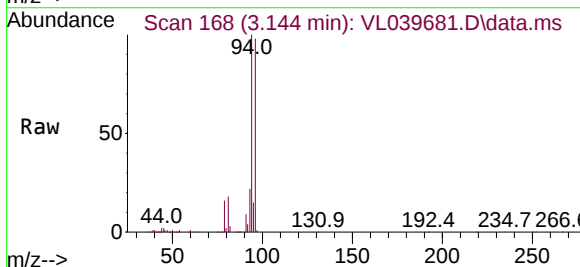
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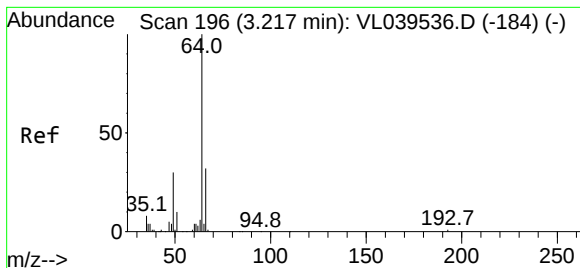
Tgt Ion: 62 Resp: 660632
 Ion Ratio Lower Upper
 62 100
 64 30.8 24.6 36.8



#6
 Bromomethane
 Concen: 9.311 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion: 94 Resp: 232301
 Ion Ratio Lower Upper
 94 100
 96 97.8 75.6 113.4

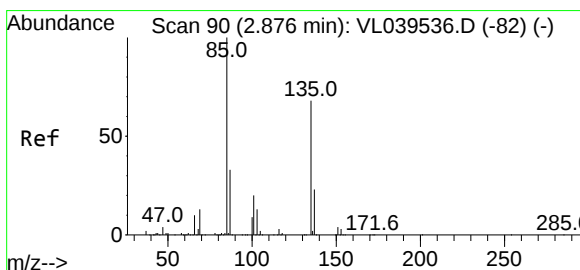
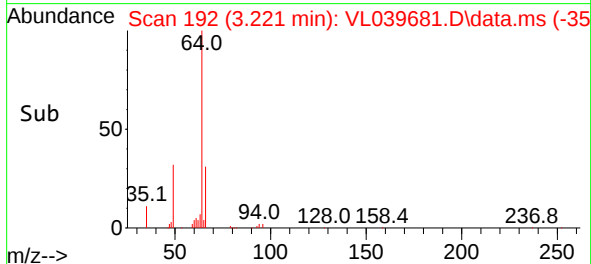
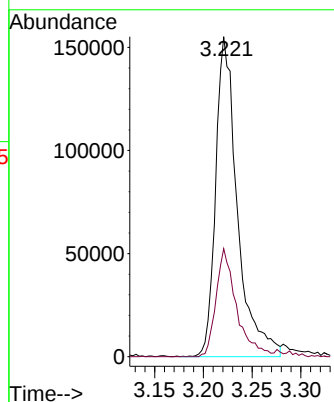
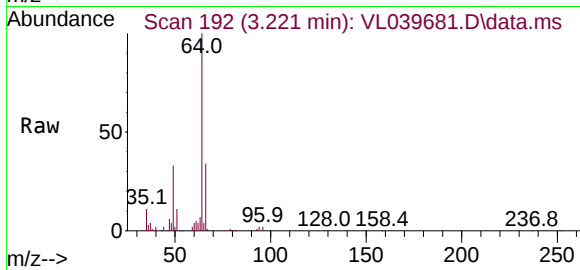




#7
Chloroethane
Concen: 9.720 ppbv
RT: 3.221 min Scan# 196
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

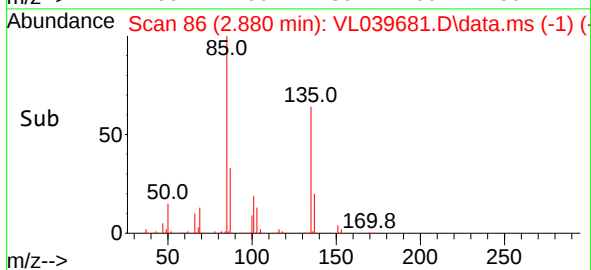
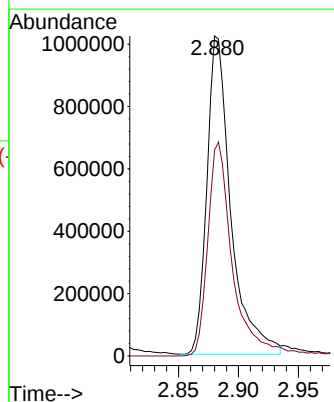
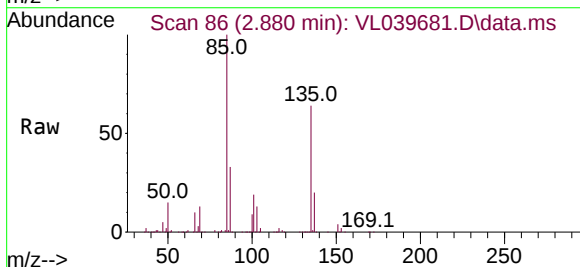
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 240466
Ion Ratio Lower Upper
64 100
66 33.8 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 9.023 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 85 Resp: 1422004
Ion Ratio Lower Upper
85 100
135 70.9 59.0 88.4

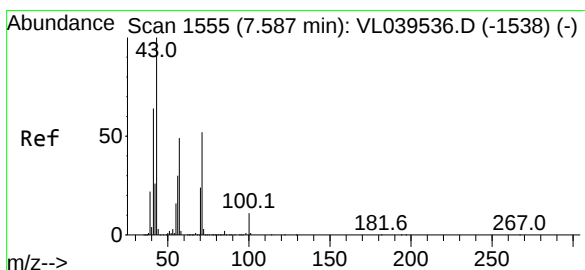
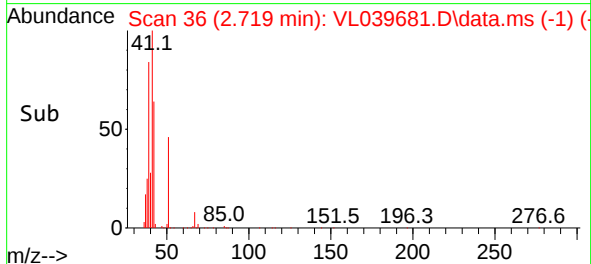
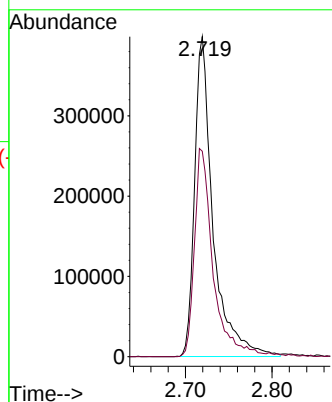
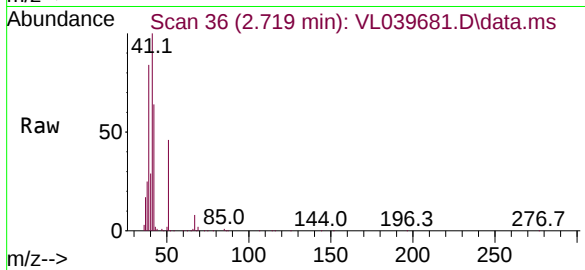




#9
 Propene
 Concen: 9.555 ppbv
 RT: 2.719 min Scan# 30
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 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

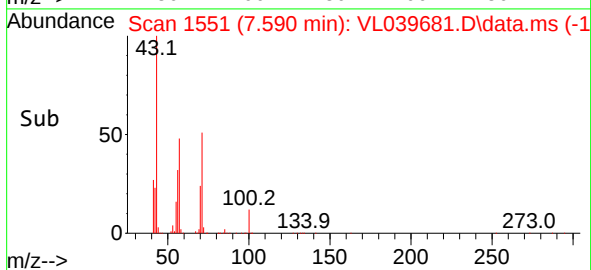
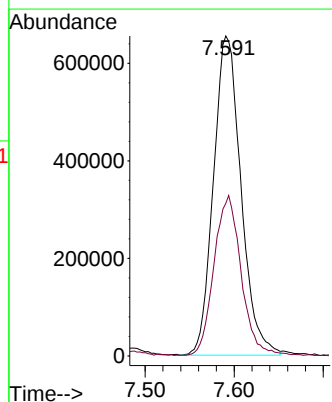
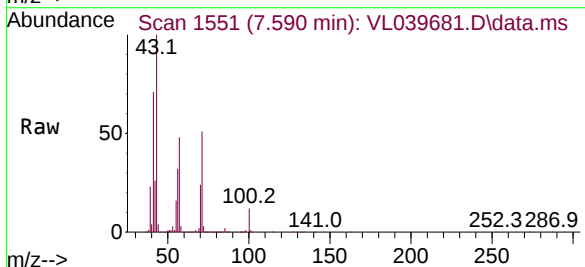
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 ClientSampleId :
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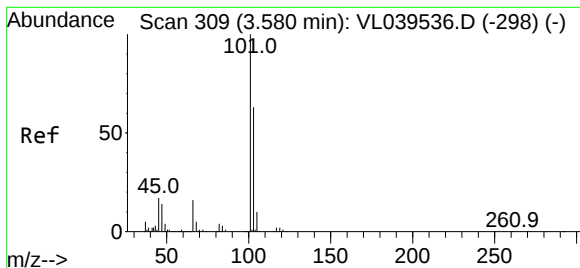
Tgt Ion: 41 Resp: 586924
 Ion Ratio Lower Upper
 41 100
 42 66.9 55.2 82.8



#10
 Heptane
 Concen: 9.781 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion: 43 Resp: 1402035
 Ion Ratio Lower Upper
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 57 50.2 40.5 60.7

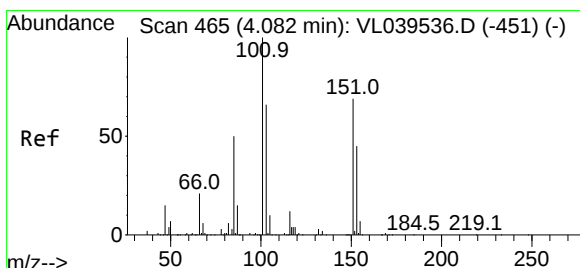
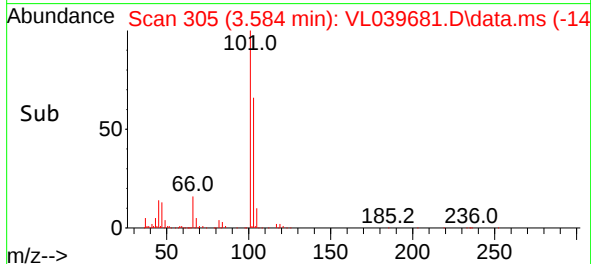
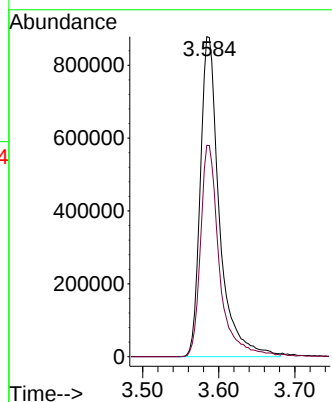
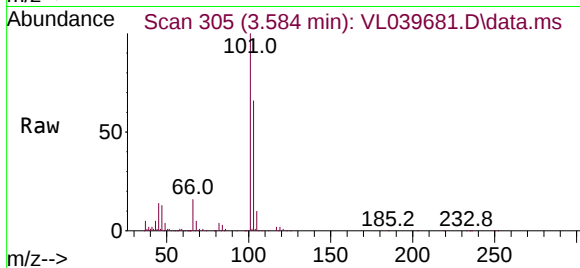




#11
 Trichlorofluoromethane
 Concen: 9.408 ppbv
 RT: 3.584 min Scan# 309
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

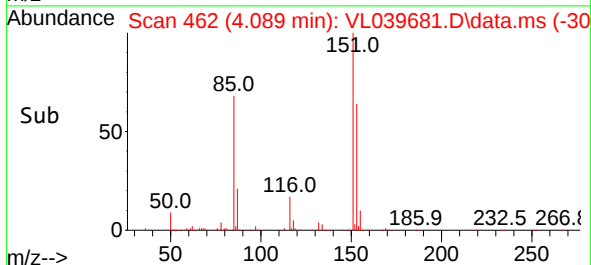
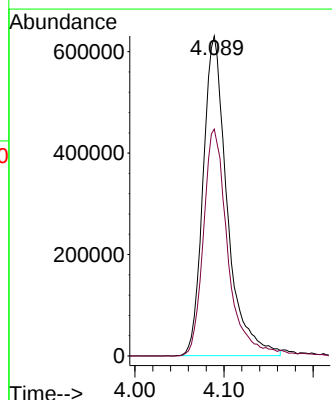
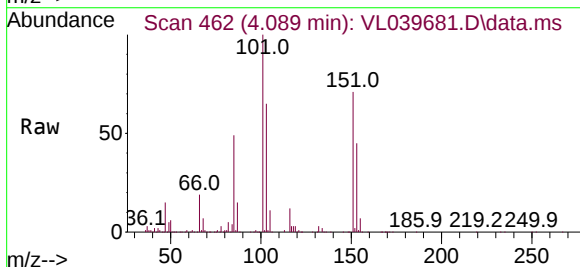
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

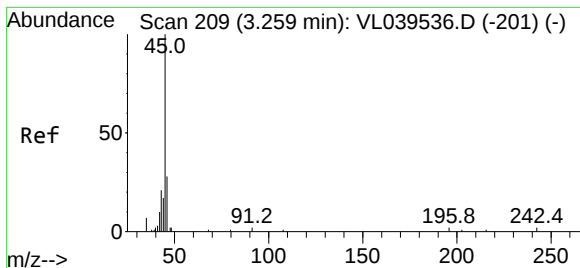
Tgt Ion:101 Resp: 1530865
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.627 ppbv
 RT: 4.089 min Scan# 462
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion:101 Resp: 1183185
 Ion Ratio Lower Upper
 101 100
 151 72.7 58.9 88.3

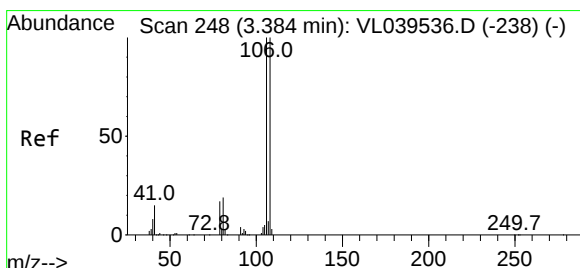
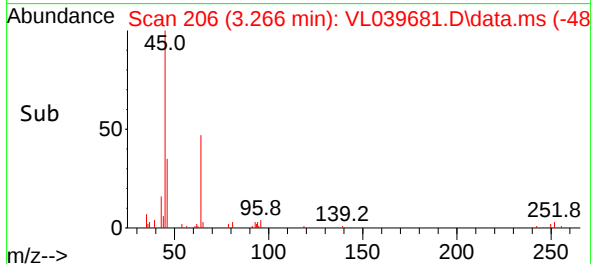
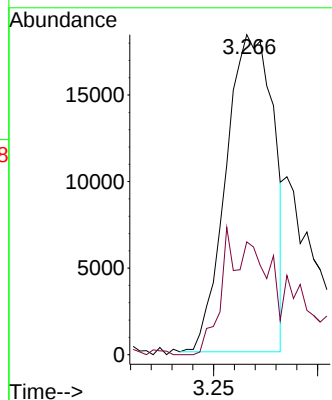
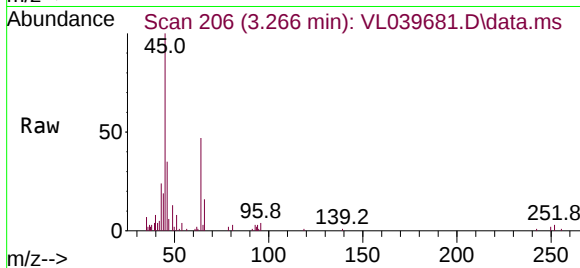




#13
Ethanol
Concen: 6.227 ppbv
RT: 3.266 min Scan# 209
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

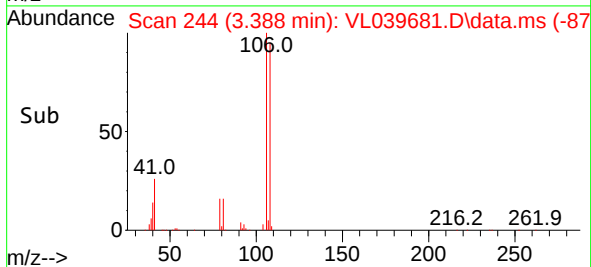
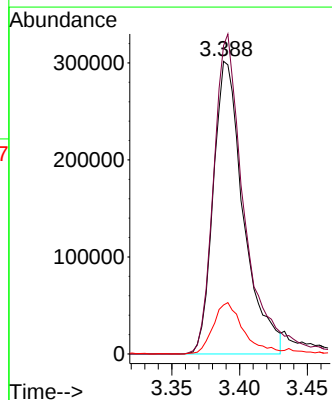
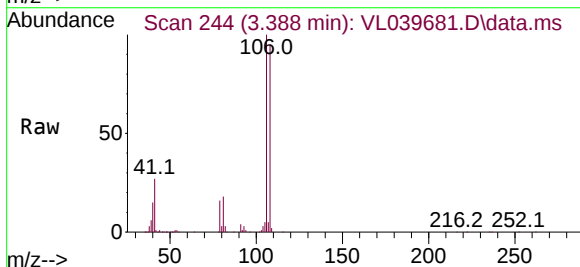
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

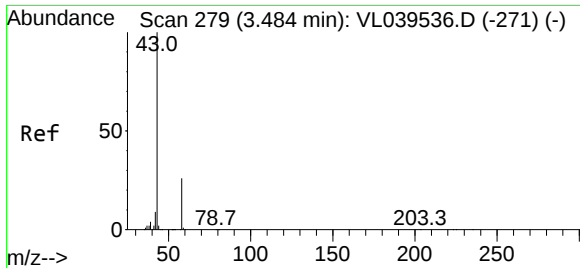
Tgt Ion: 45 Resp: 29145
Ion Ratio Lower Upper
45 100
46 57.3 22.8 91.2



#14
Bromoethene
Concen: 9.541 ppbv
RT: 3.388 min Scan# 244
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 108 Resp: 468101
Ion Ratio Lower Upper
108 100
106 114.4 87.1 130.7
79 19.0 14.6 22.0

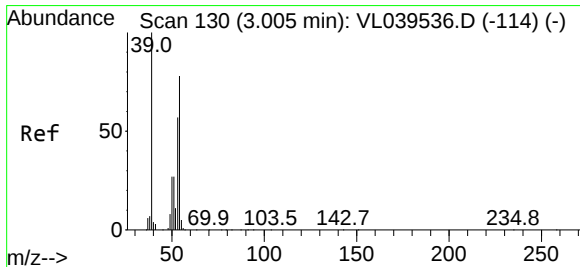
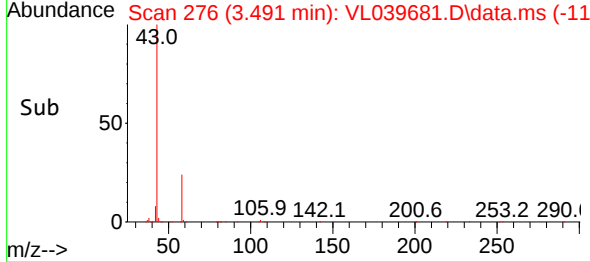
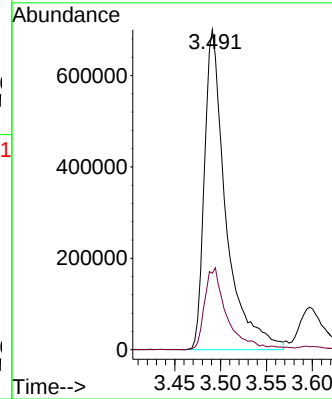
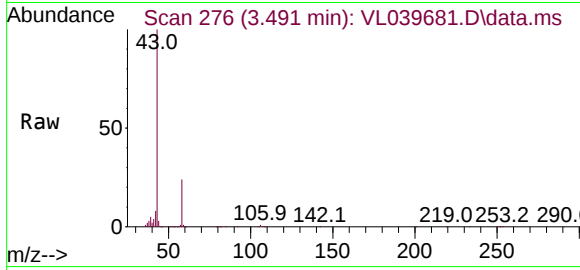




#15
Acetone
Concen: 9.043 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

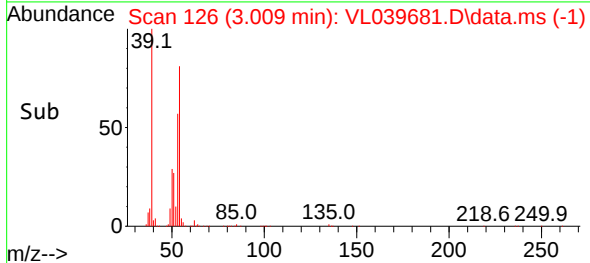
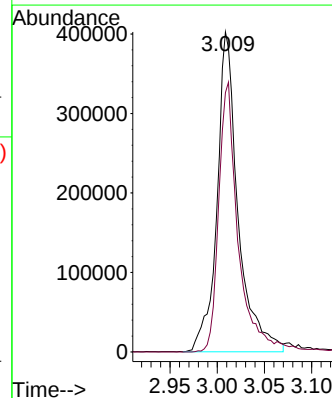
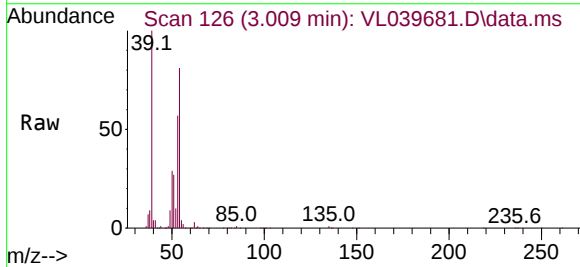
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

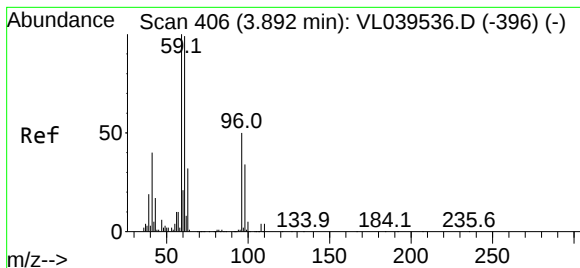
Tgt Ion: 43 Resp: 1140448
Ion Ratio Lower Upper
43 100
58 27.0 21.0 31.6



#16
1,3-Butadiene
Concen: 9.784 ppbv
RT: 3.009 min Scan# 126
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 39 Resp: 625928
Ion Ratio Lower Upper
39 100
54 79.3 63.7 95.5

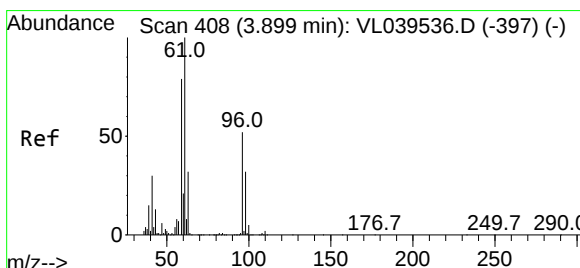
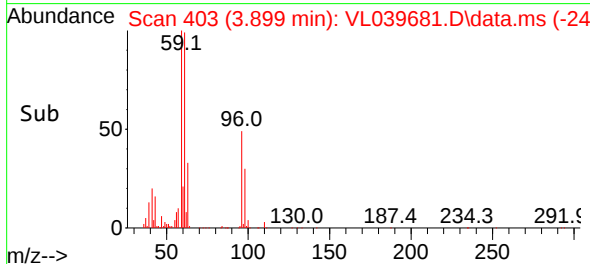
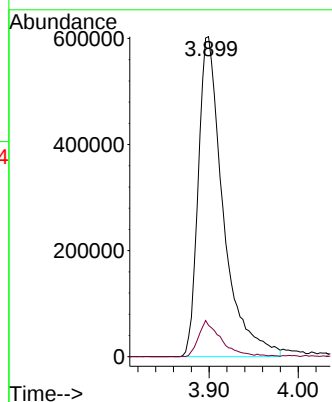
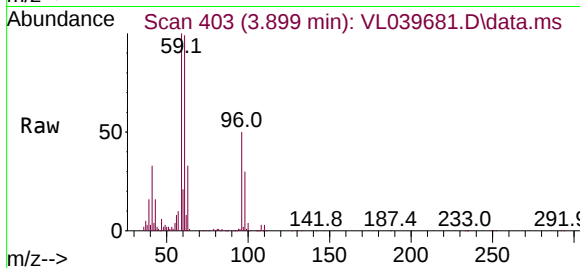




#17
tert-Butyl alcohol
Concen: 10.361 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

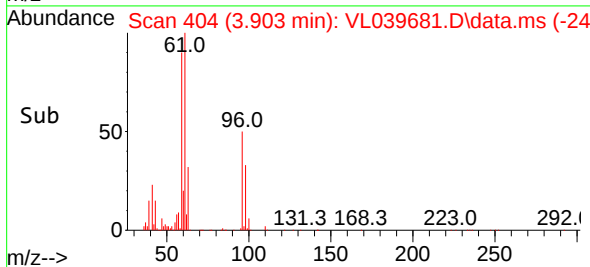
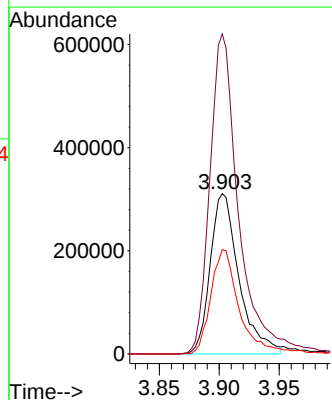
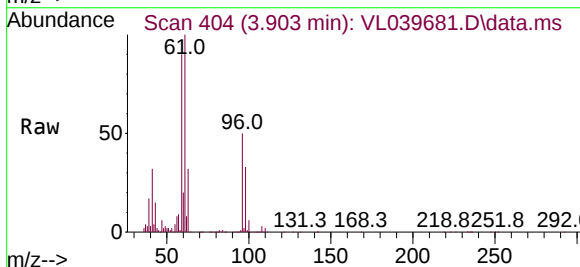
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1172548
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1



#18
1,1-Dichloroethene
Concen: 9.597 ppbv
RT: 3.903 min Scan# 404
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 96 Resp: 518940
Ion Ratio Lower Upper
96 100
61 199.6 152.2 228.4
98 65.1 51.8 77.6

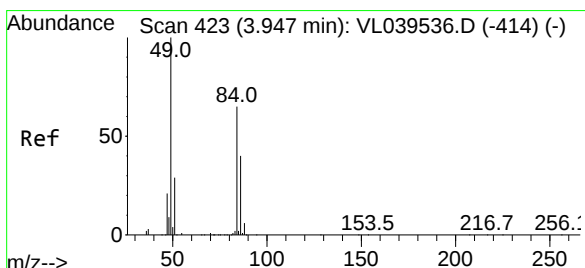
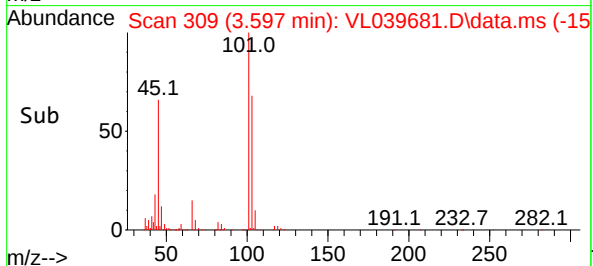
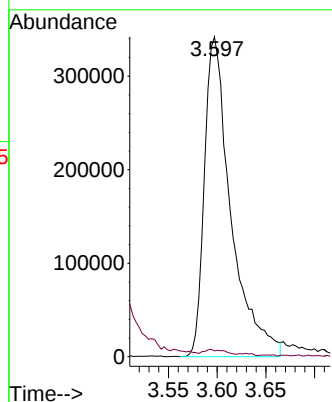
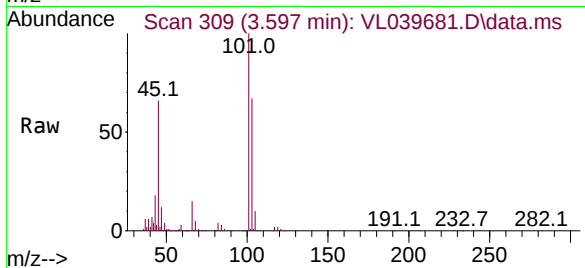




#19
Isopropyl Alcohol
Concen: 10.079 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

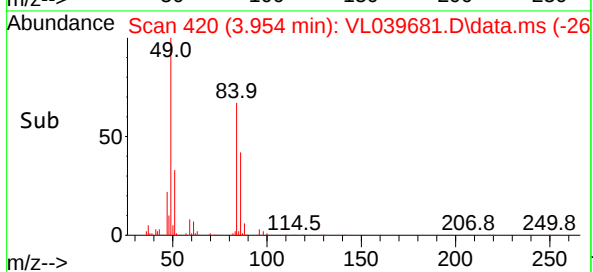
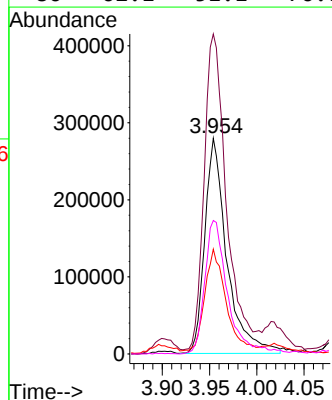
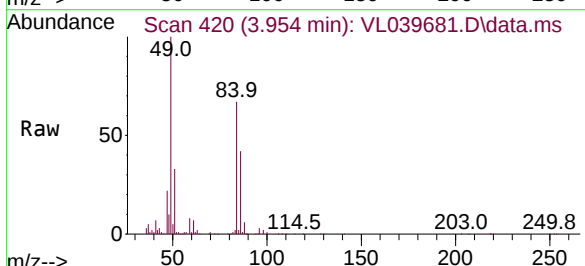
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

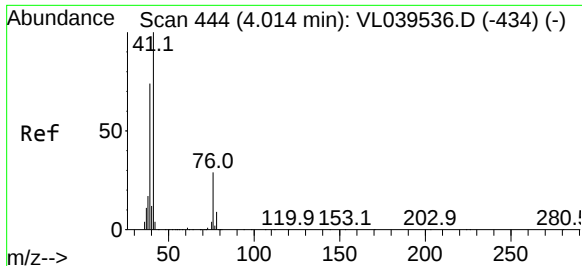
Tgt Ion: 45 Resp: 647943
Ion Ratio Lower Upper
45 100
58 2.6 3.2 4.8#



#20
Methylene Chloride
Concen: 7.793 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 84 Resp: 454364
Ion Ratio Lower Upper
84 100
49 146.8 123.1 184.7
51 47.4 34.4 51.6
86 62.1 51.1 76.7

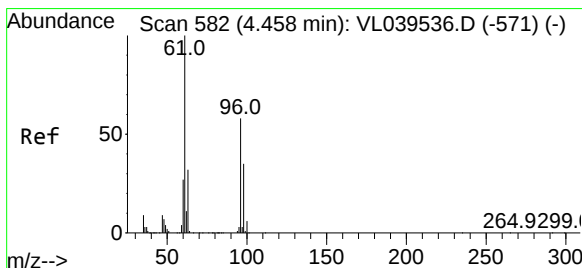
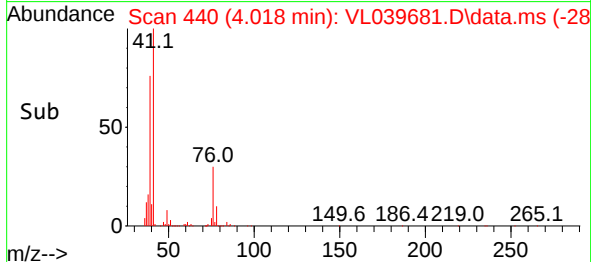
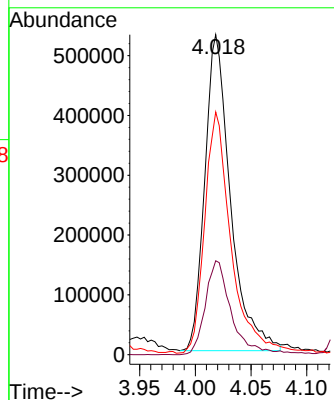
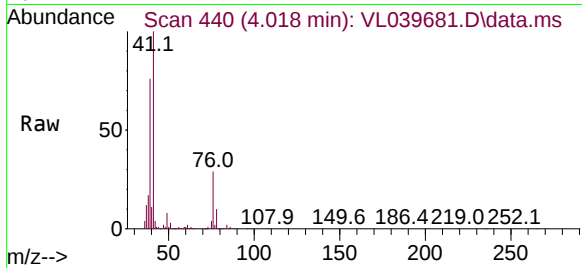




#21
 Allyl Chloride
 Concen: 9.890 ppbv
 RT: 4.018 min Scan# 444
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

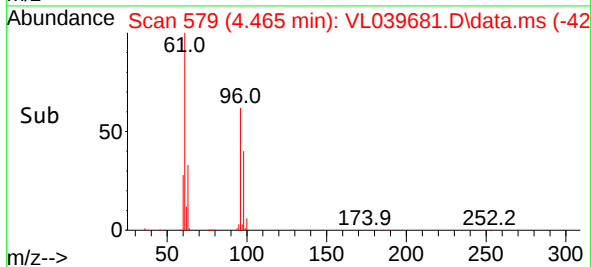
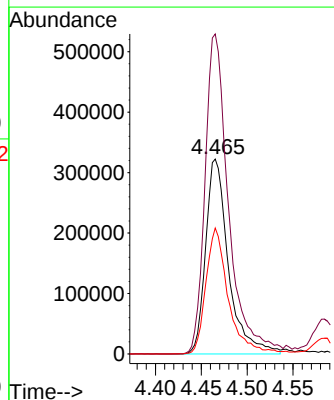
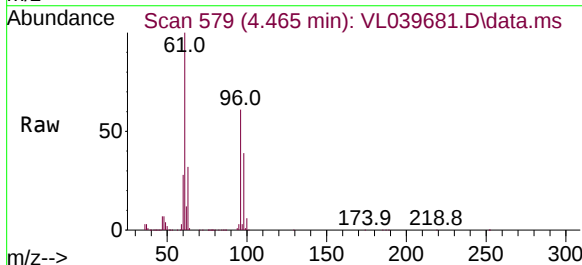
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

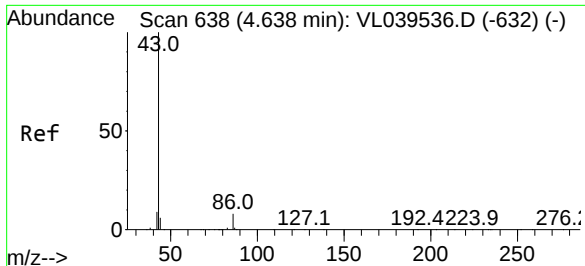
Tgt Ion: 41 Resp: 849256
 Ion Ratio Lower Upper
 41 100
 76 30.4 24.4 36.6
 39 78.4 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.468 ppbv
 RT: 4.465 min Scan# 579
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion: 96 Resp: 559947
 Ion Ratio Lower Upper
 96 100
 61 164.2 130.6 195.8
 98 64.5 53.4 80.0



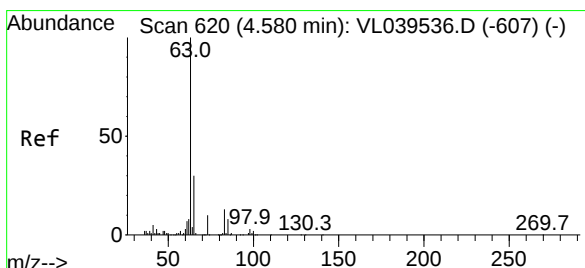
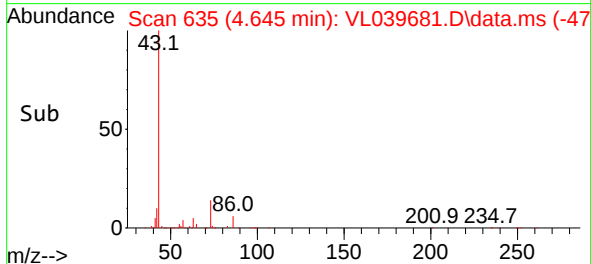
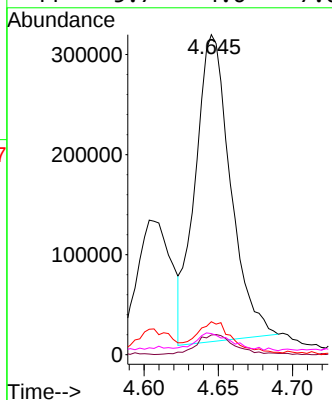
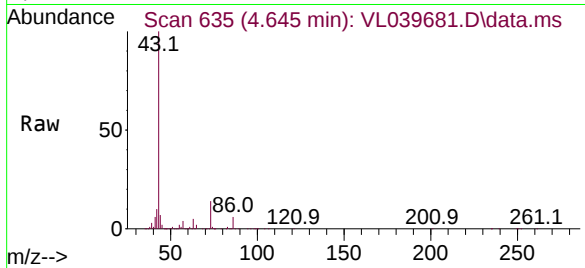


#23
 Vinyl Acetate
 Concen: 8.867 ppbv
 RT: 4.645 min Scan# 616
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 505499

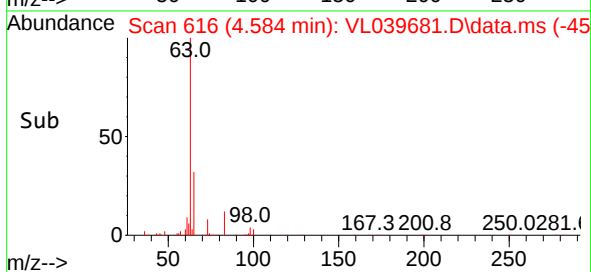
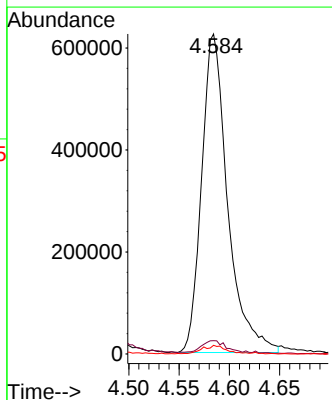
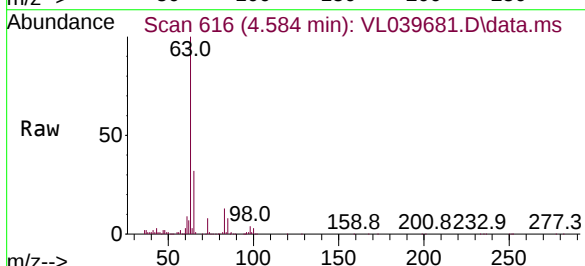
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.0	7.6
42	10.2	7.7	11.5
44	5.7	4.6	7.0

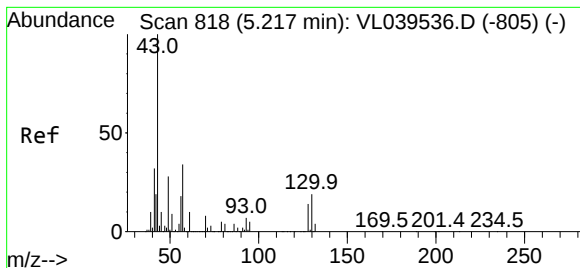


#24
 1,1-Dichloroethane
 Concen: 9.936 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion: 63 Resp: 1128014

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.8	5.3
100	2.7	1.5	4.4



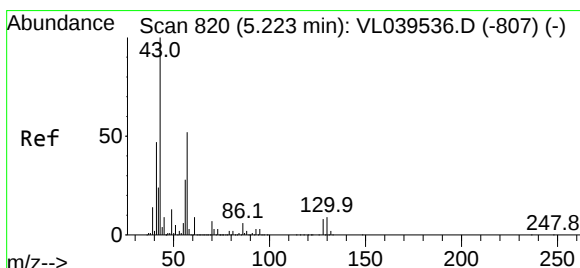
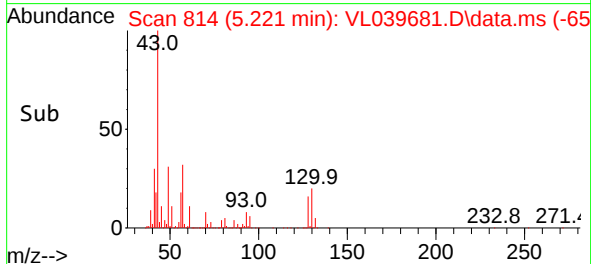
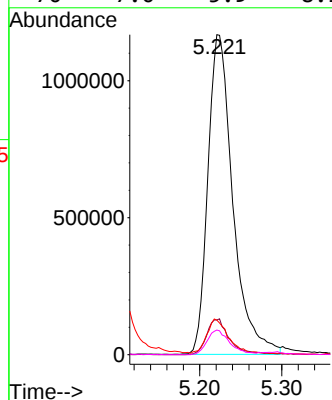
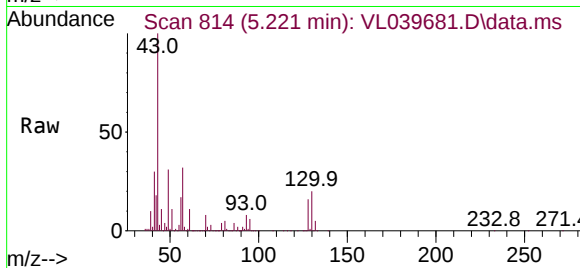


#25
Ethyl Acetate
Concen: 8.970 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2466580

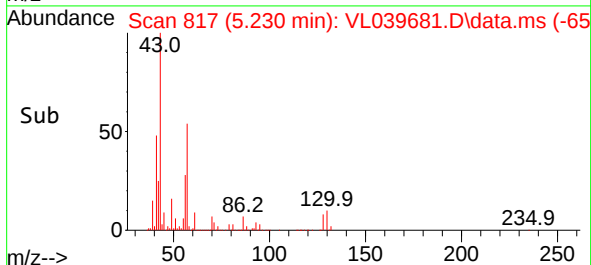
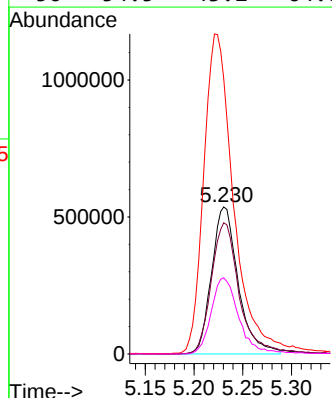
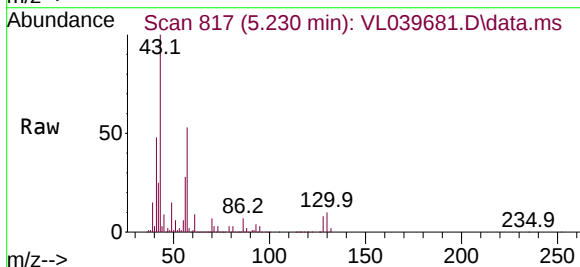
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.6	8.3	12.5
70	7.0	5.9	8.9

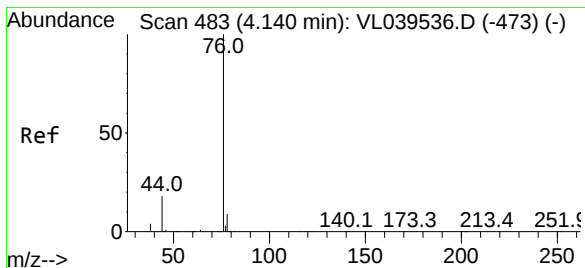


#26
Hexane
Concen: 8.717 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 57 Resp: 1017247

Ion	Ratio	Lower	Upper
57	100		
41	95.3	76.9	115.3
43	247.6	191.0	286.6
56	54.5	43.2	64.8

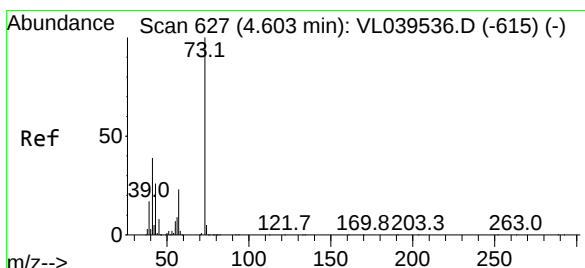
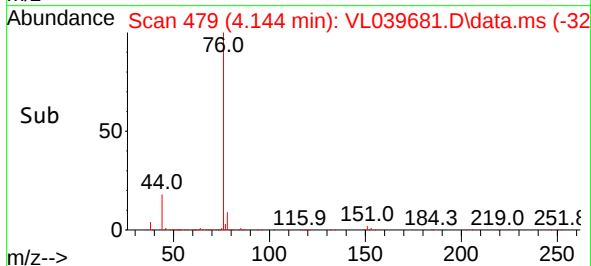
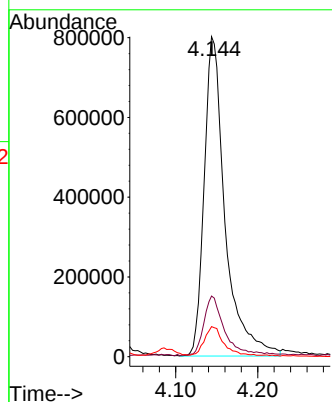
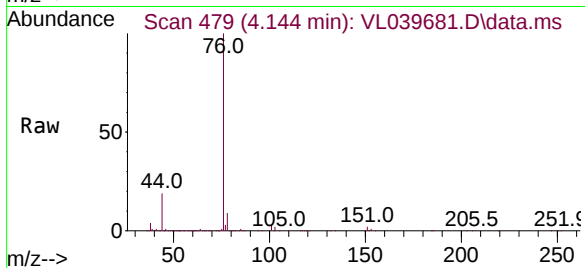




#27
Carbon Disulfide
Concen: 11.553 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

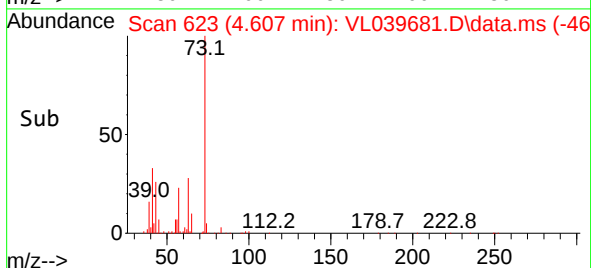
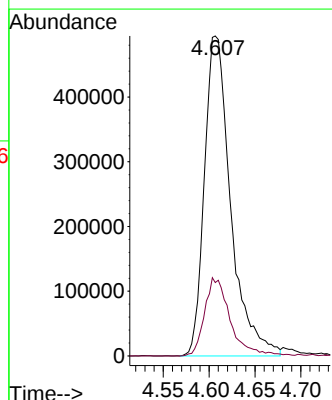
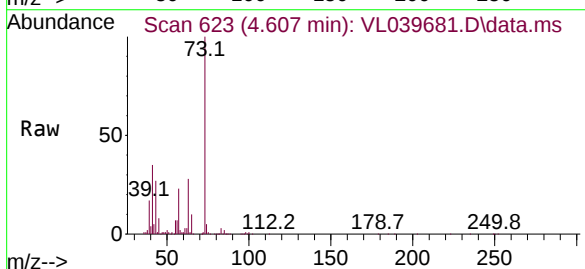
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

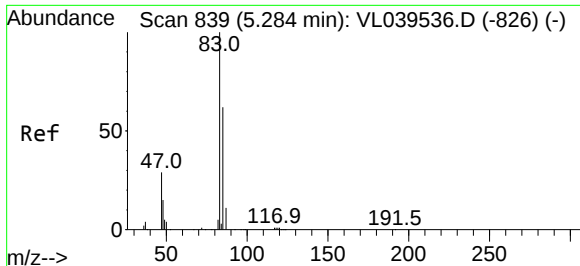
Tgt Ion: 76 Resp: 1416841
Ion Ratio Lower Upper
76 100
44 19.0 14.6 21.8
78 9.9 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 10.075 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 73 Resp: 987770
Ion Ratio Lower Upper
73 100
57 24.3 19.8 29.8





#29

Chloroform

Concen: 9.251 ppbv

RT: 5.288 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

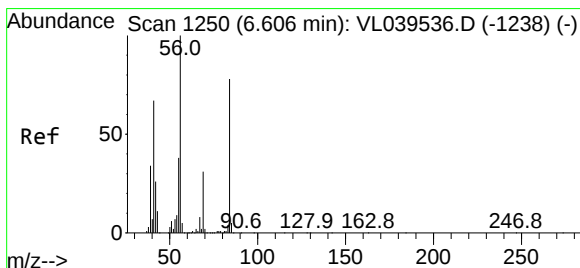
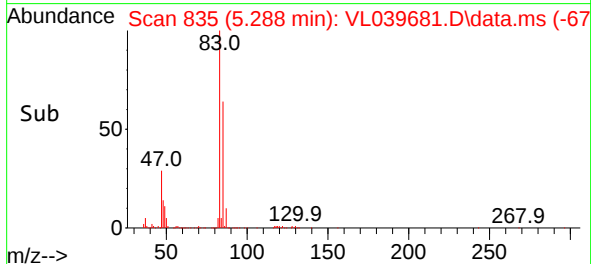
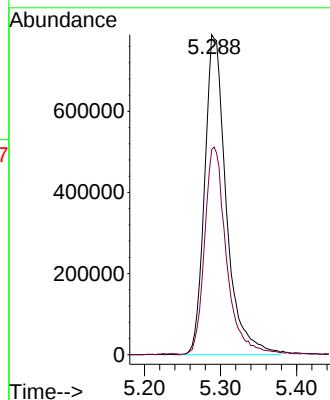
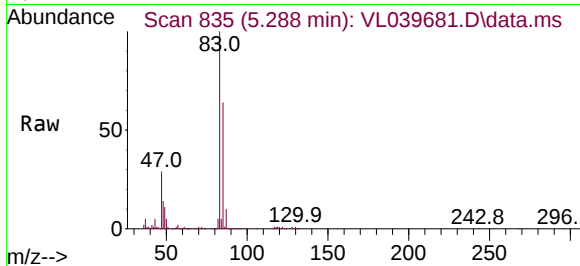
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1558553

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2



#30

Cyclohexane

Concen: 9.589 ppbv

RT: 6.613 min Scan# 1247

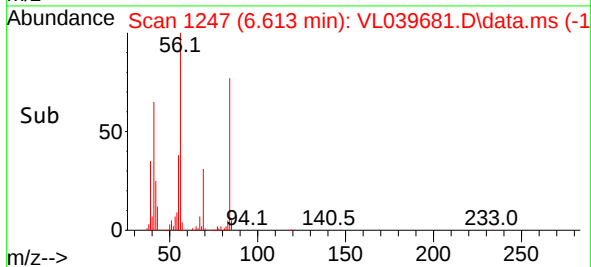
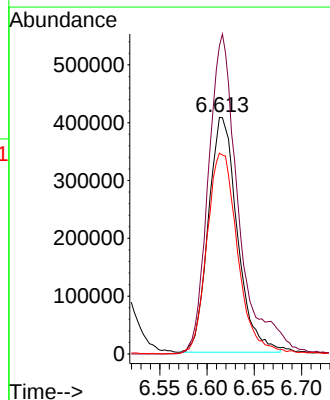
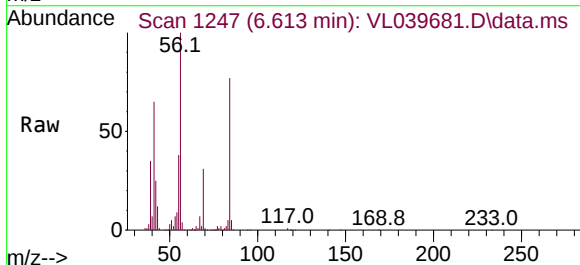
Delta R.T. 0.007 min

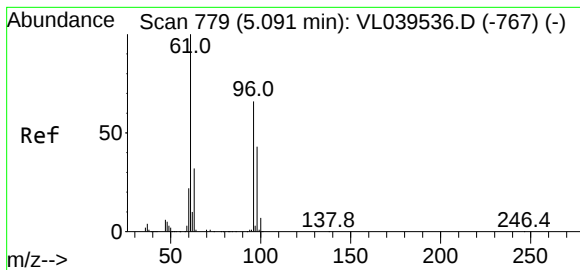
Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Tgt Ion: 84 Resp: 866588

Ion	Ratio	Lower	Upper
84	100		
56	143.5	107.7	161.5
41	91.4	67.7	101.5

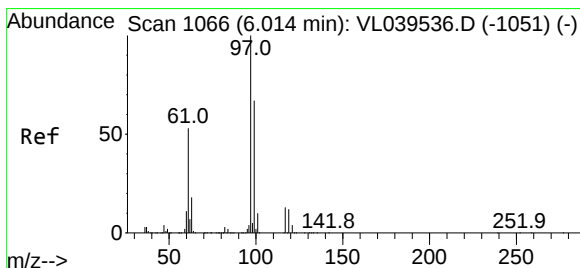
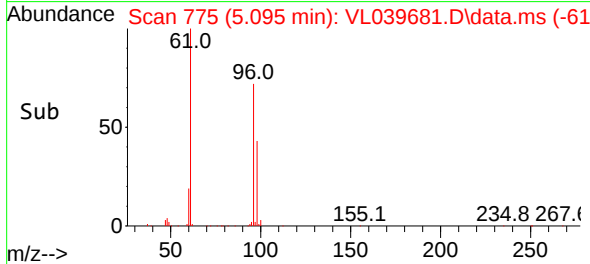
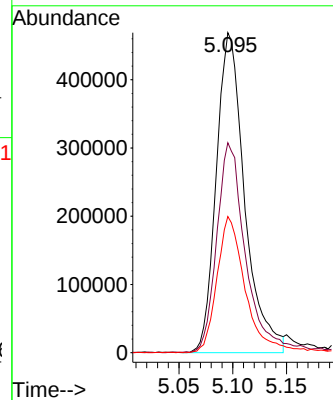
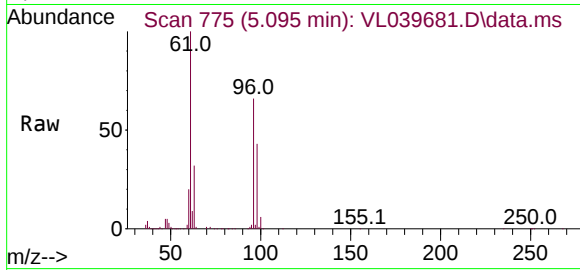




#31
 cis-1,2-Dichloroethene
 Concen: 8.153 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

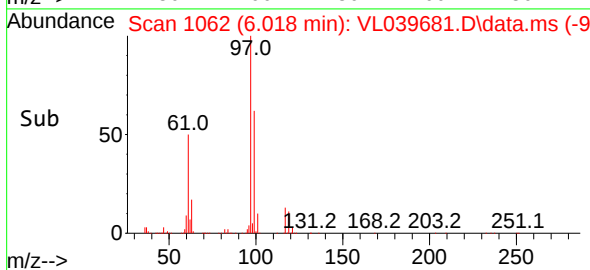
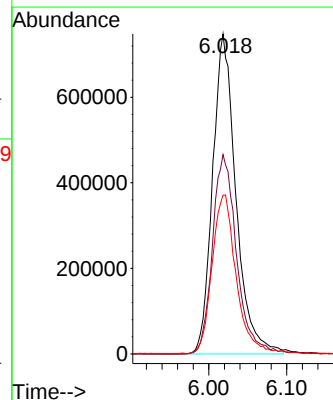
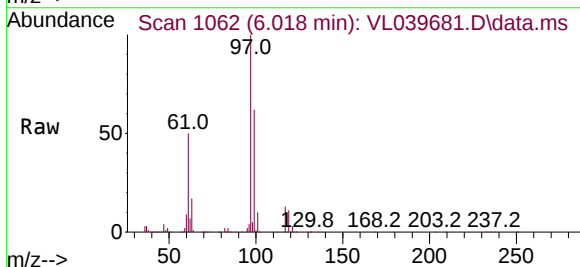
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

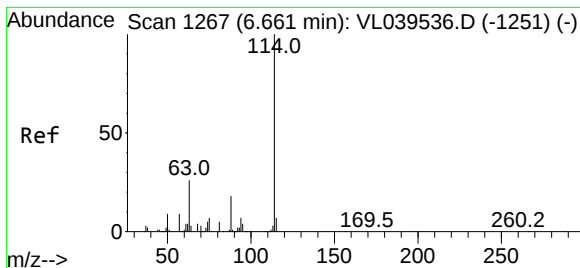
Tgt Ion:	61	Resp:	860563
Ion	Ratio	Lower	Upper
61	100		
96	65.4	54.1	81.1
98	42.5	34.6	52.0



#32
 1,1,1-Trichloroethane
 Concen: 10.199 ppbv
 RT: 6.018 min Scan# 1062
 Delta R.T. 0.004 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion:	97	Resp:	1555451
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.3	78.5
61	51.9	40.9	61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

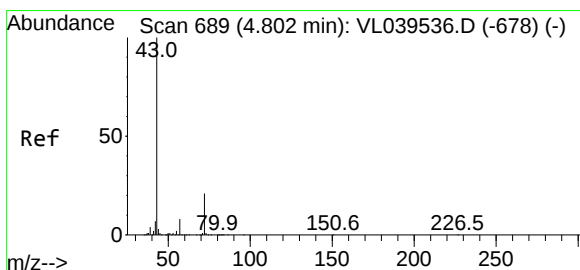
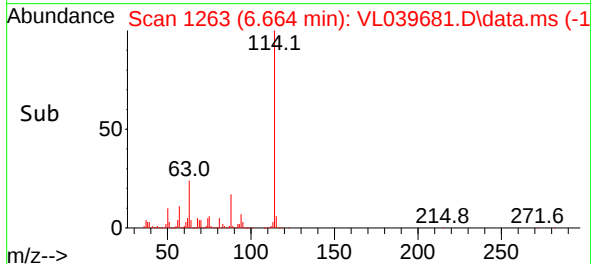
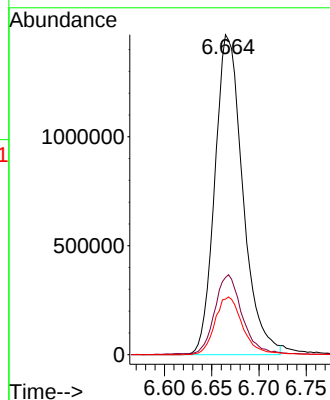
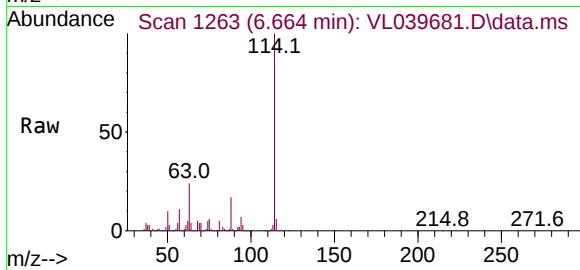
Tgt Ion:114 Resp: 3019296

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.4

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 8.857 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.004 min

Lab File: VL039681.D

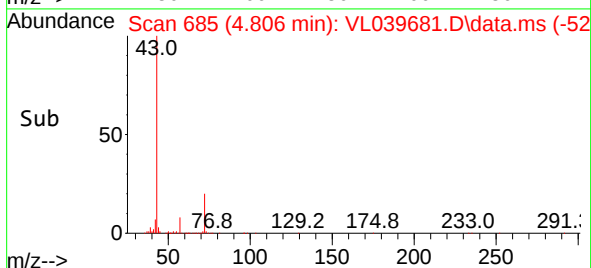
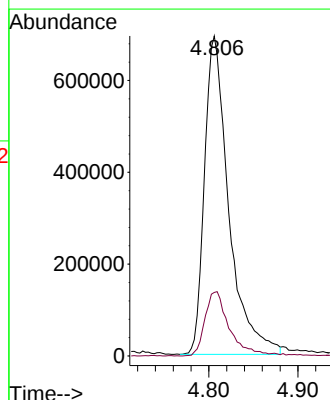
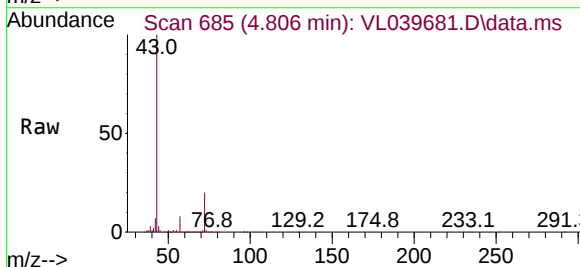
Acq: 4 Oct 2022 14:17

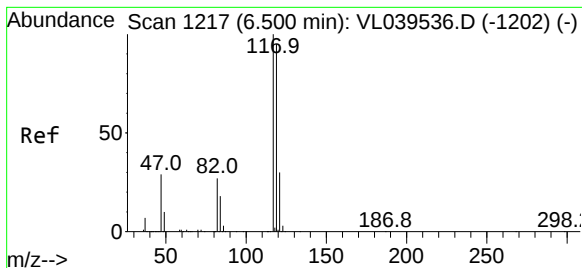
Tgt Ion: 43 Resp: 1313493

Ion Ratio Lower Upper

43 100

72 21.0 17.9 26.9



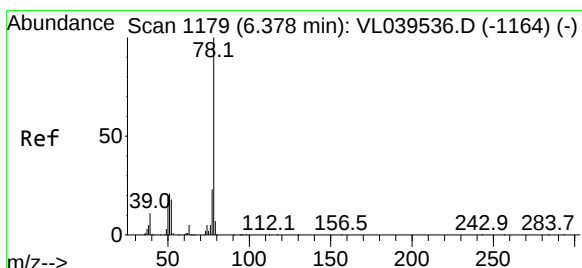
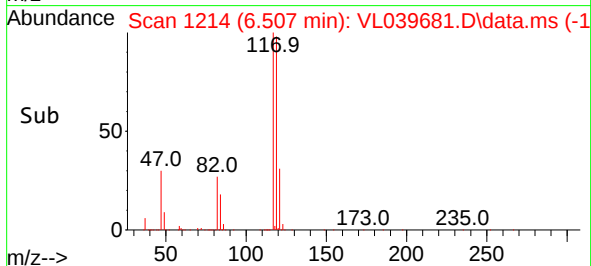
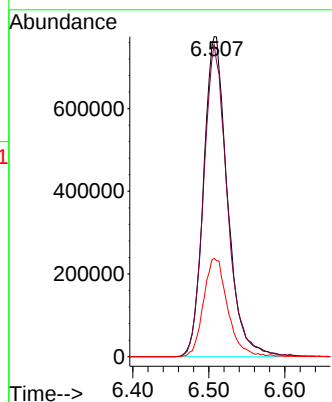
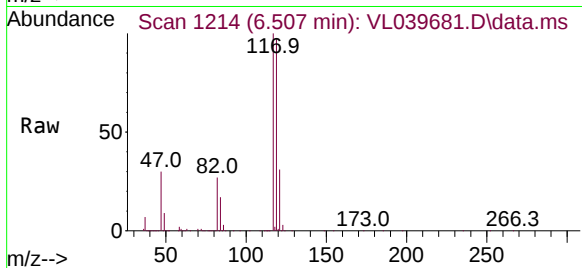


#35
Carbon Tetrachloride
Concen: 10.515 ppbv
RT: 6.507 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1685385

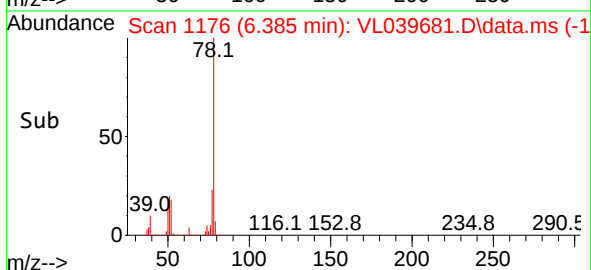
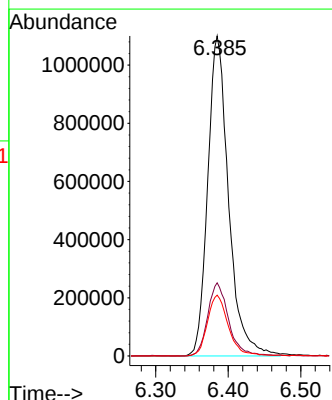
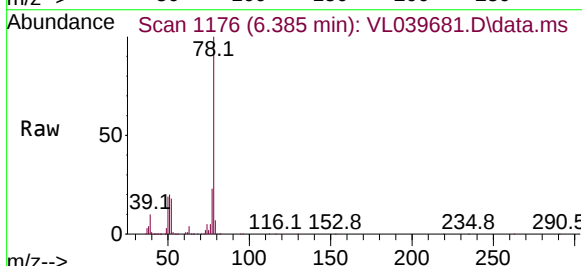
Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.4	113.2
121	30.6	24.2	36.2

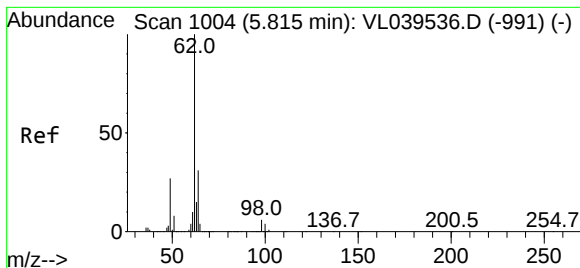


#36
Benzene
Concen: 9.525 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 78 Resp: 2198660

Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.3	30.5
50	19.0	15.5	23.3

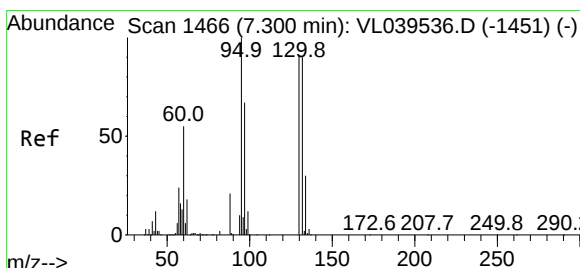
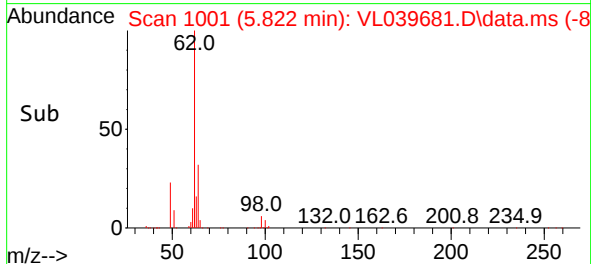
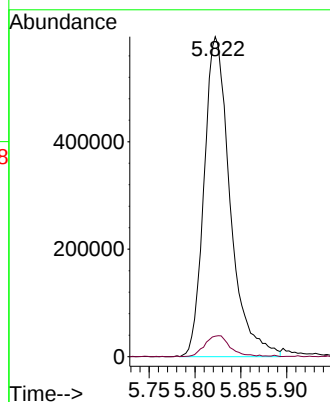
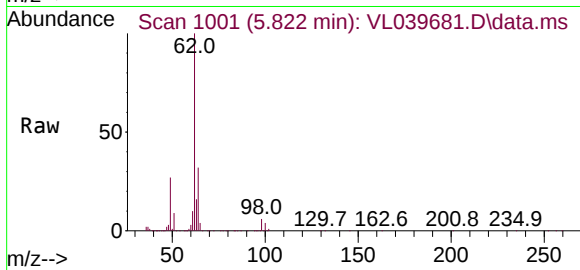




#37
1,2-Dichloroethane
Concen: 9.366 ppbv
RT: 5.822 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

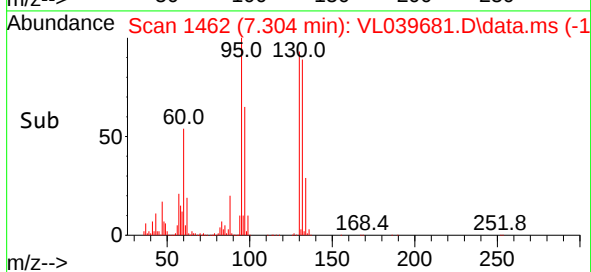
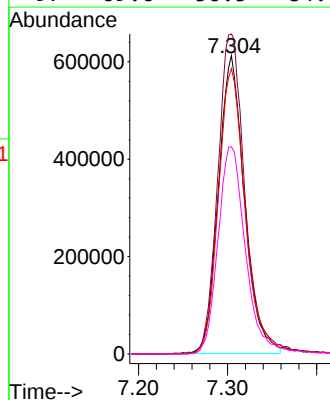
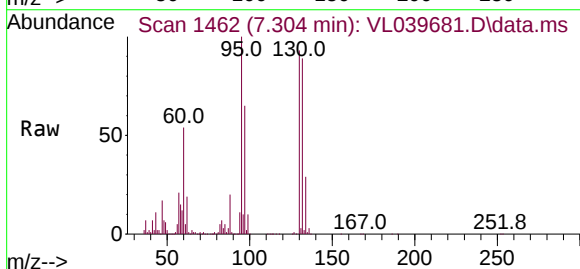
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

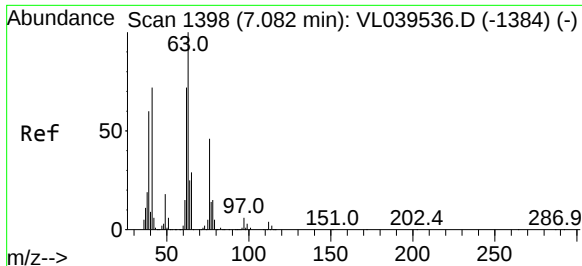
Tgt Ion: 62 Resp: 1176664
Ion Ratio Lower Upper
62 100
98 6.6 5.1 7.7



#38
Trichloroethene
Concen: 9.955 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 130 Resp: 1241889
Ion Ratio Lower Upper
130 100
95 107.4 87.3 130.9
132 95.8 76.7 115.1
97 69.6 56.5 84.7

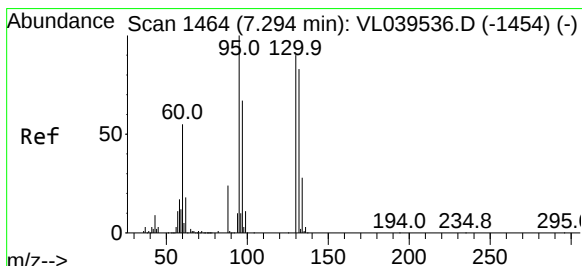
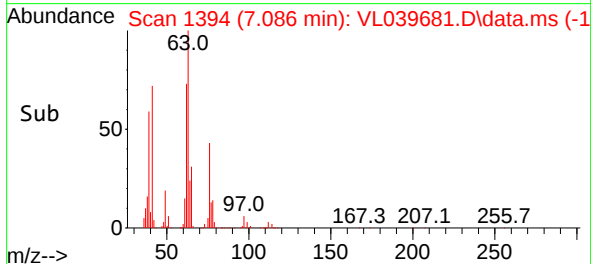
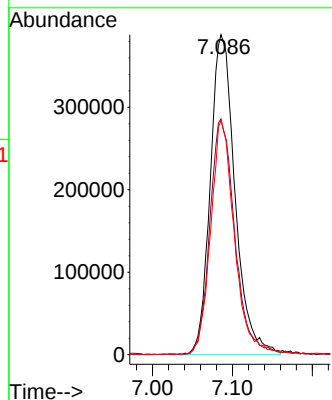
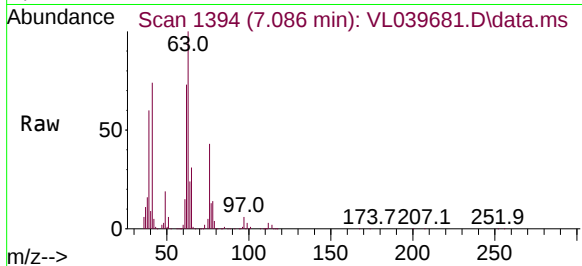




#39
1,2-Dichloropropane
Concen: 9.356 ppbv
RT: 7.086 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

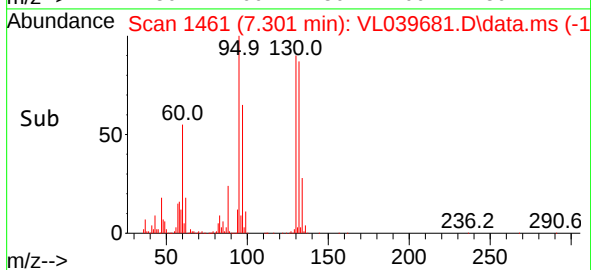
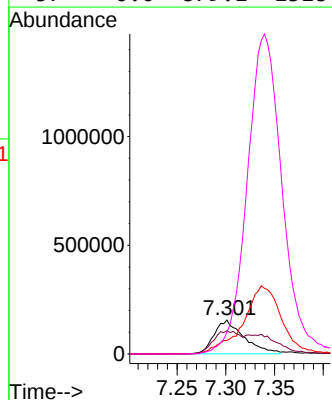
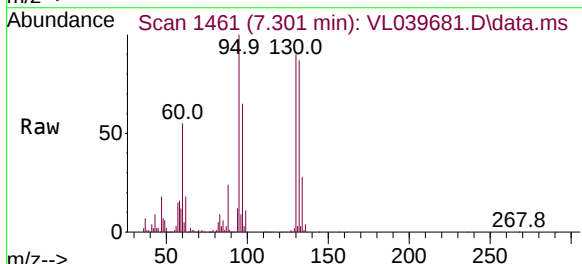
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

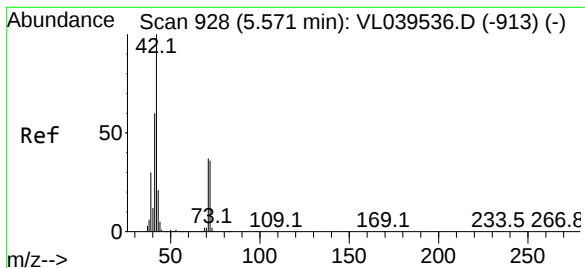
Tgt Ion: 63 Resp: 833926
Ion Ratio Lower Upper
63 100
41 73.4 59.6 89.4
62 72.9 51.4 77.0



#40
1,4-Dioxane
Concen: 9.077 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 88 Resp: 330366
Ion Ratio Lower Upper
88 100
58 126.2 100.2 150.4
43 0.0 205.8 308.6#
57 0.0 879.1 1318.7#

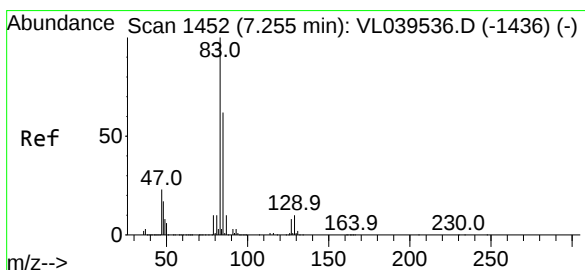
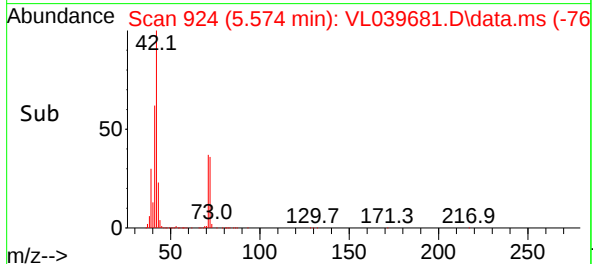
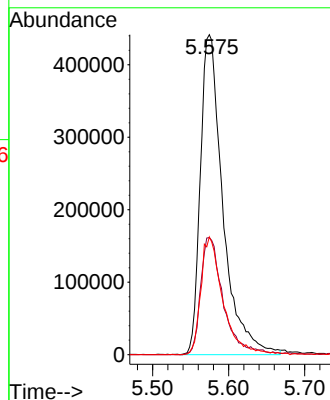
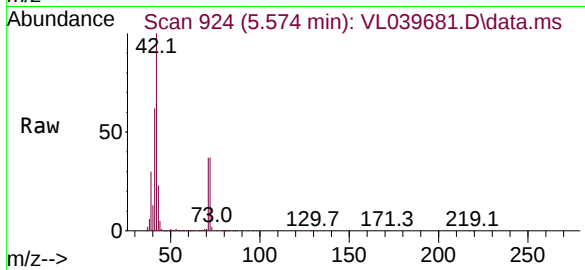




#41
Tetrahydrofuran
Concen: 9.988 ppbv
RT: 5.574 min Scan# 91
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

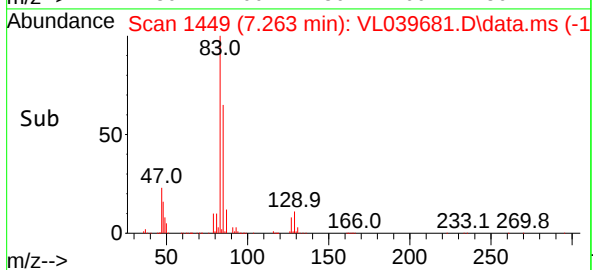
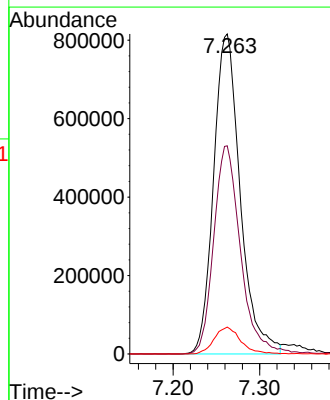
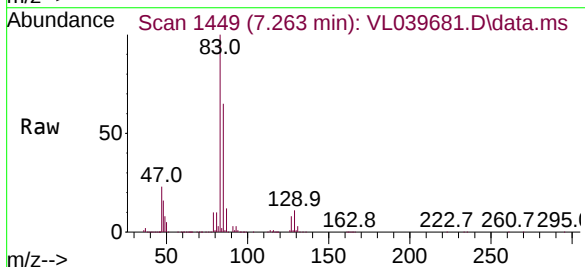
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

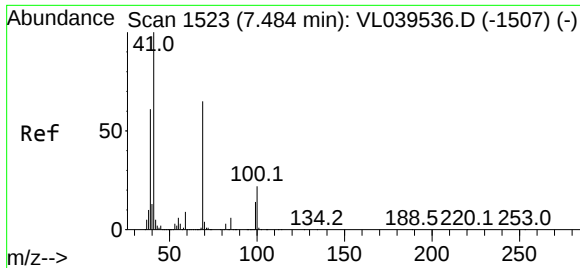
Tgt Ion: 42 Resp: 908770
Ion Ratio Lower Upper
42 100
72 37.4 31.8 47.8
71 36.3 31.8 47.8



#42
Bromodichloromethane
Concen: 9.985 ppbv
RT: 7.263 min Scan# 1449
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 83 Resp: 1744860
Ion Ratio Lower Upper
83 100
85 65.1 50.7 76.1
127 8.4 6.6 9.8





#43

Methyl Methacrylate

Concen: 10.196 ppbv

RT: 7.491 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

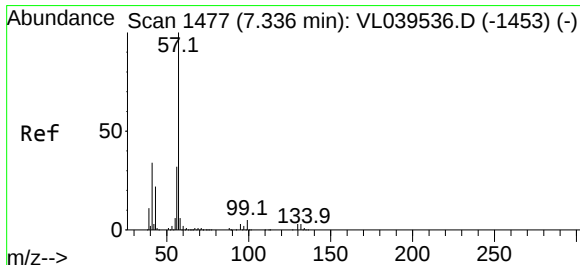
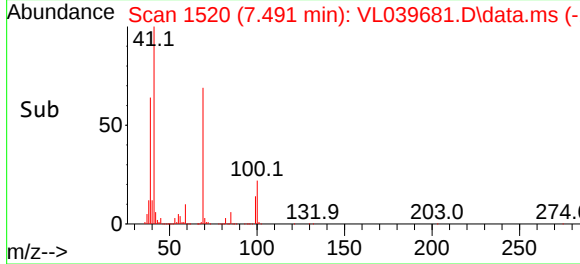
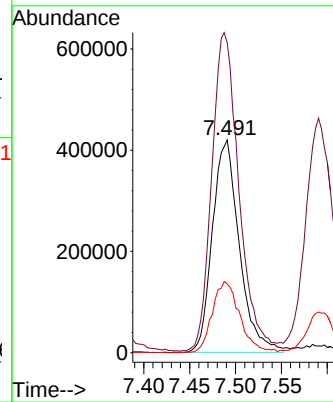
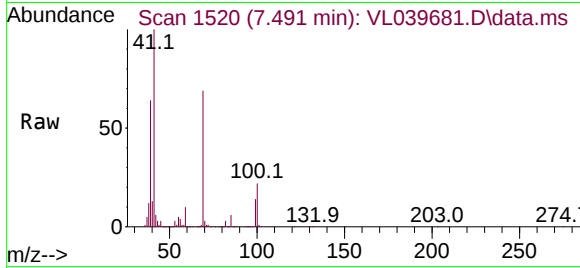
Tgt Ion: 69 Resp: 857965

Ion Ratio Lower Upper

69 100

41 151.5 120.8 181.2

100 34.3 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 9.294 ppbv

RT: 7.340 min Scan# 1473

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

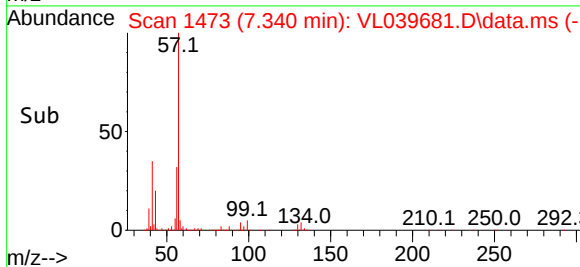
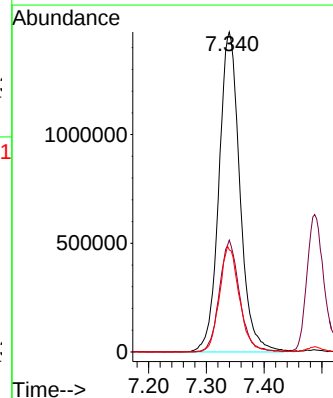
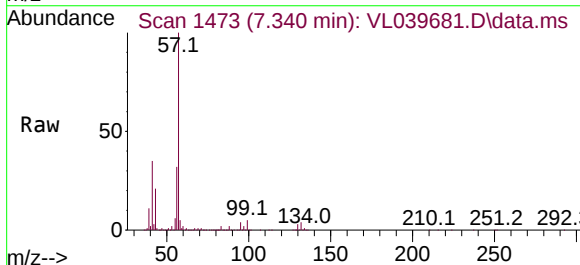
Tgt Ion: 57 Resp: 3697920

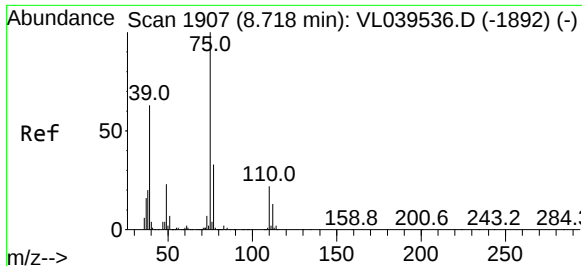
Ion Ratio Lower Upper

57 100

41 33.5 27.4 41.2

56 31.6 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 11.672 ppbv

RT: 8.719 min Scan# 1907

Delta R.T. 0.001 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

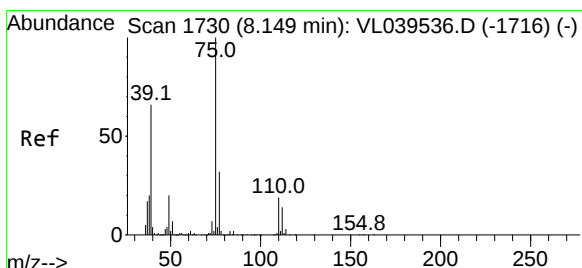
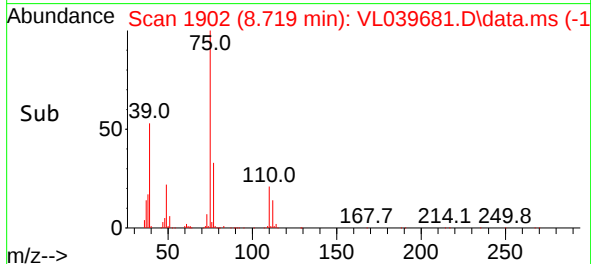
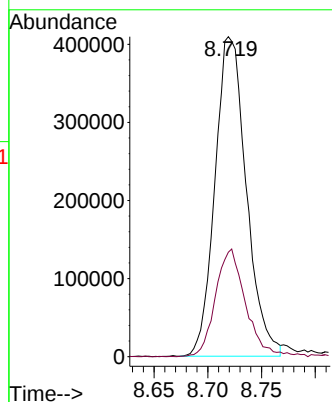
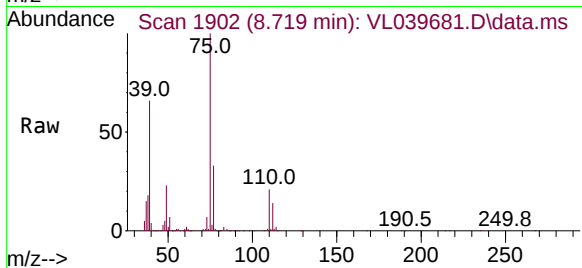
VSTDCCC010

Tgt Ion: 75 Resp: 829956

Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 11.255 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

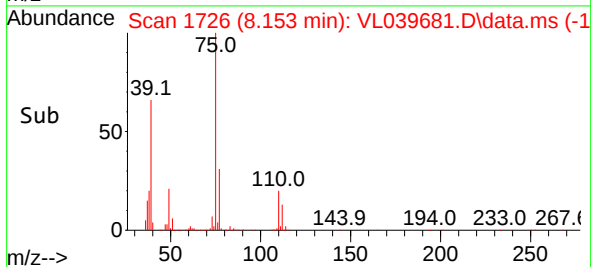
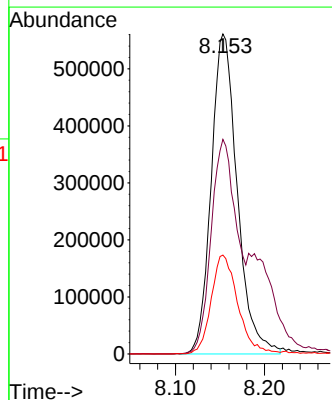
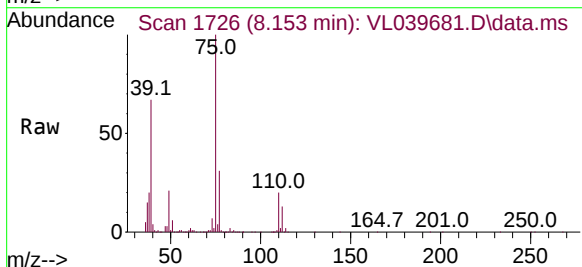
Tgt Ion: 75 Resp: 1139260

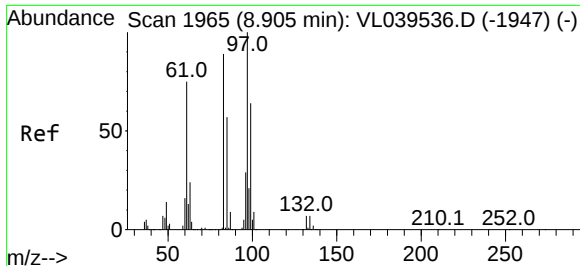
Ion Ratio Lower Upper

75 100

39 66.9 55.0 82.4

77 30.9 25.7 38.5



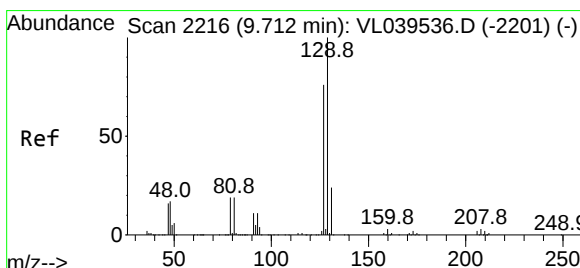
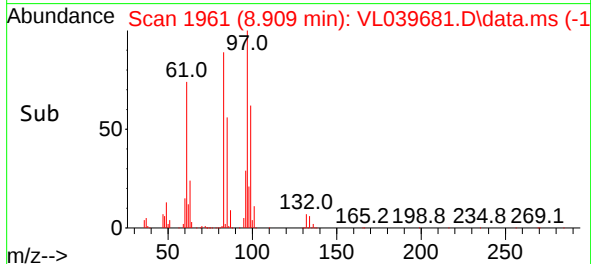
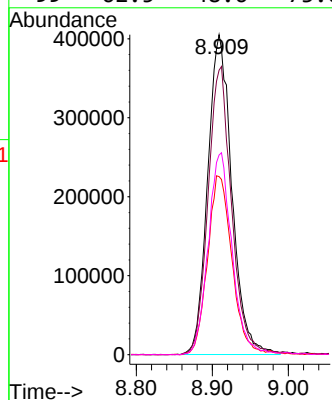
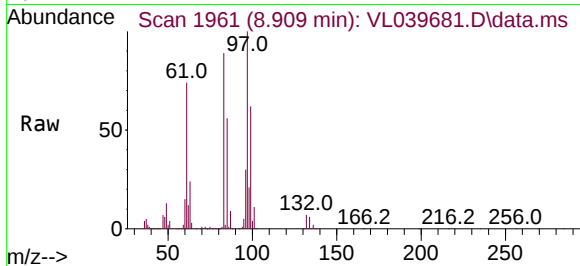


#47
1,1,2-Trichloroethane
Concen: 9.164 ppbv
RT: 8.909 min Scan# 1965
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 892865

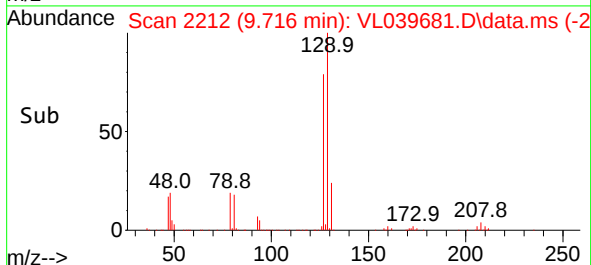
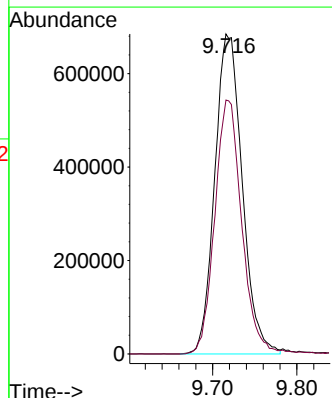
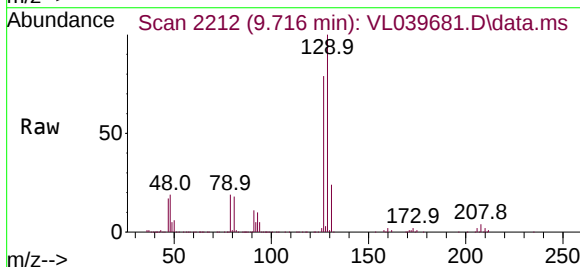
Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.4	101.0
85	55.7	45.1	67.7
99	62.5	48.6	73.0

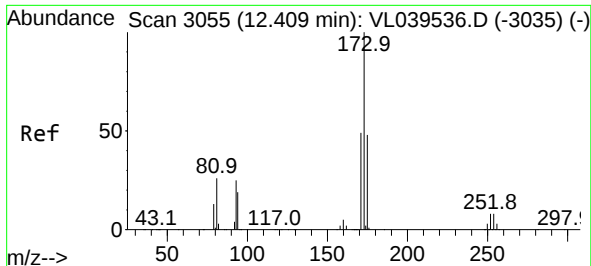


#48
Dibromochloromethane
Concen: 10.556 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 129 Resp: 1548650

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.9





#49

Bromoform

Concen: 10.635 ppbv

RT: 12.413 min Scan# 3055

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

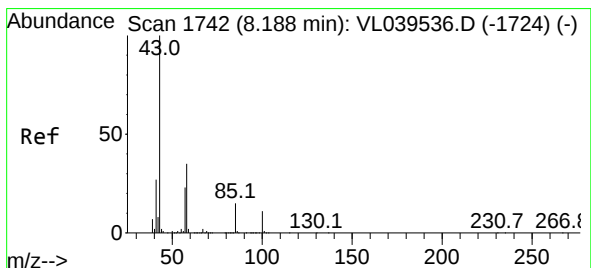
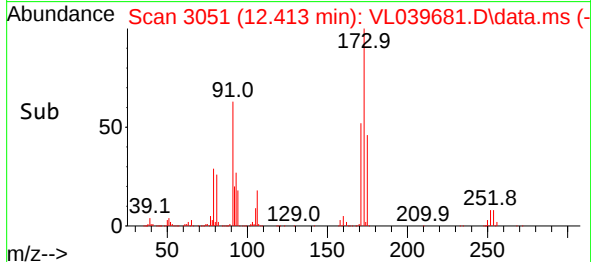
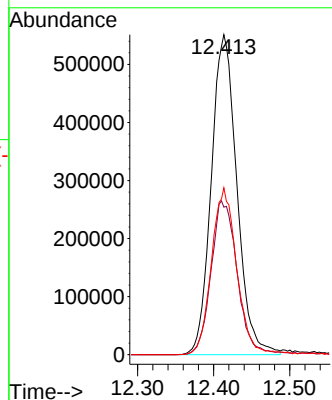
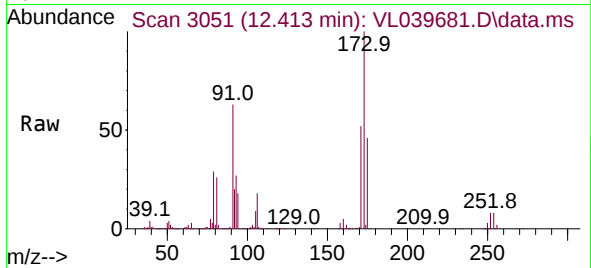
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 1290462

Ion	Ratio	Lower	Upper
173	100		
175	50.1	40.3	60.5
171	51.7	42.9	64.3



#50

4-Methyl-2-Pentanone

Concen: 9.894 ppbv

RT: 8.192 min Scan# 1738

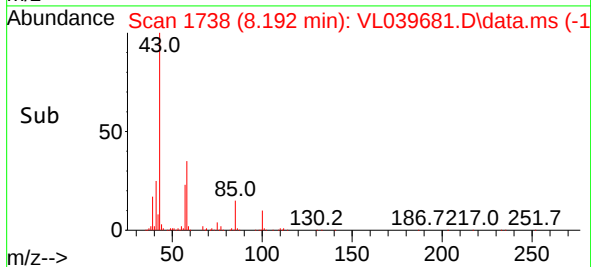
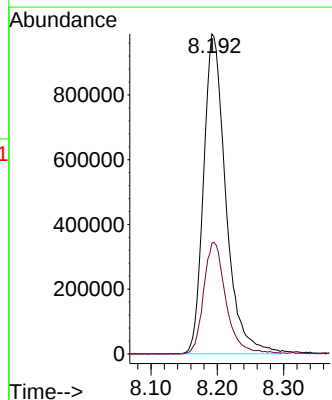
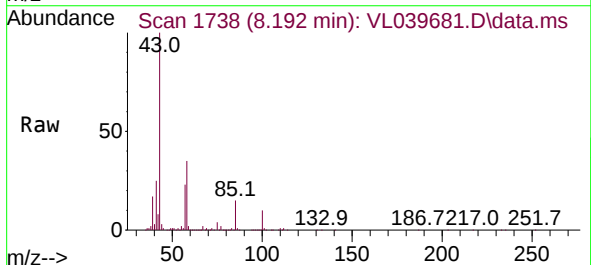
Delta R.T. 0.004 min

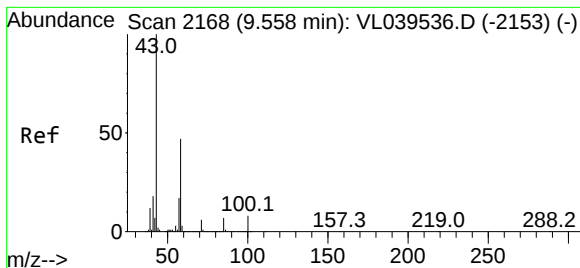
Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Tgt Ion: 43 Resp: 2305644

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.8	43.2



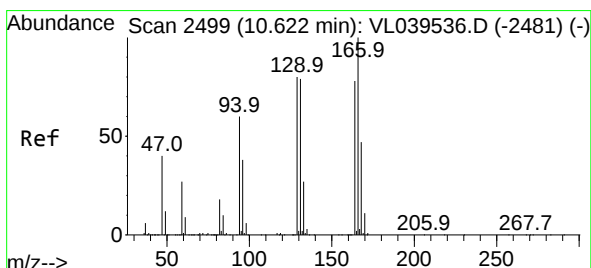
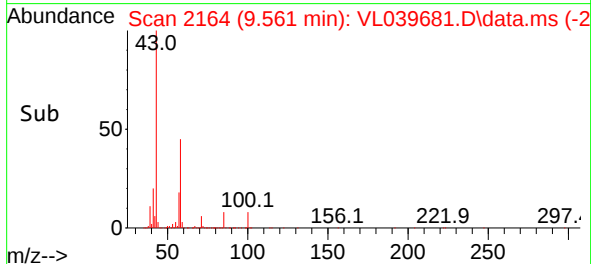
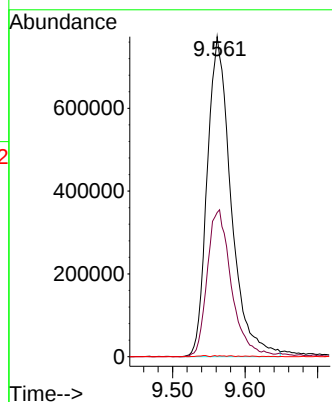
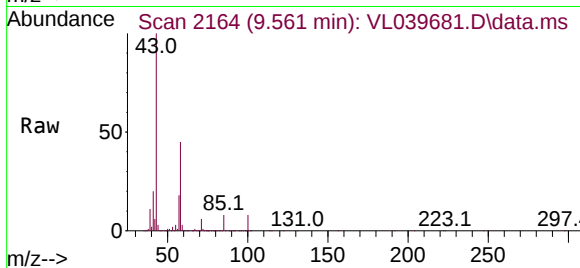


#51
2-Hexanone
Concen: 10.246 ppbv
RT: 9.561 min Scan# 2168
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1767517

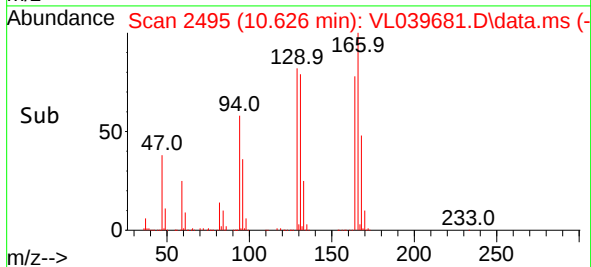
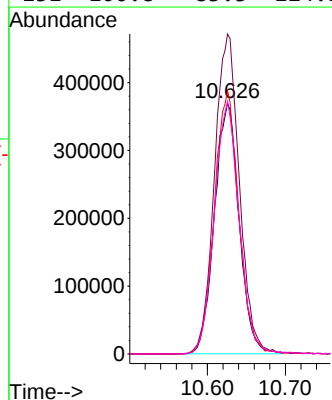
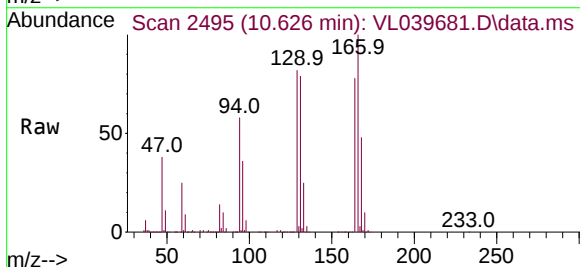
Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.4	57.6
98	0.4	0.3	0.5

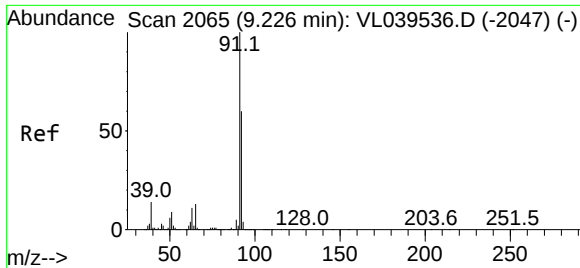


#52
Tetrachloroethene
Concen: 9.209 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 164 Resp: 810997

Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.2	153.2
129	105.0	85.8	128.8
131	100.8	83.3	124.9

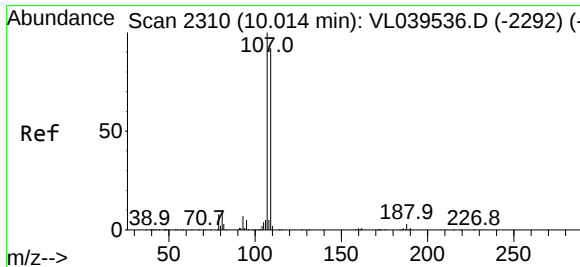
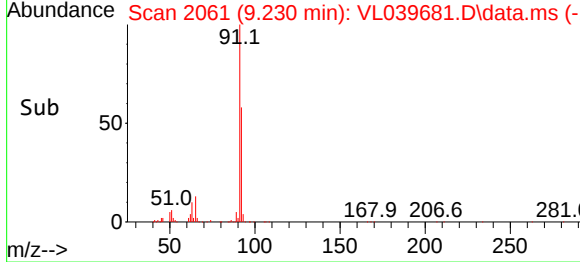
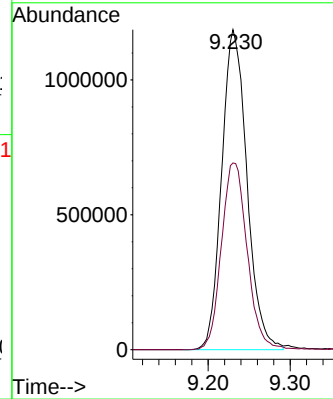
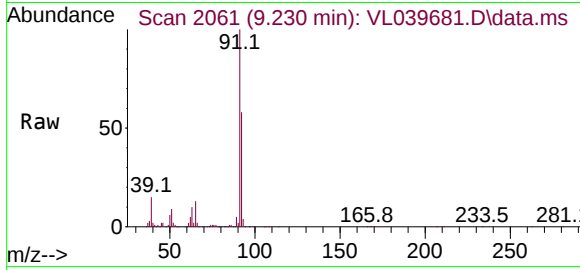




#53
Toluene
Concen: 9.895 ppbv
RT: 9.230 min Scan# 2065
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

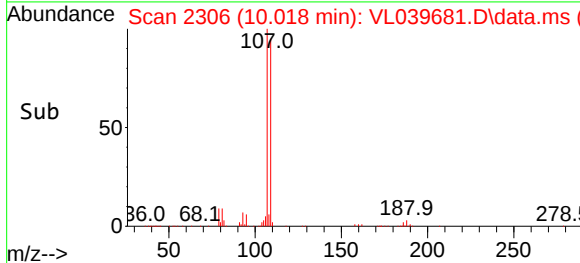
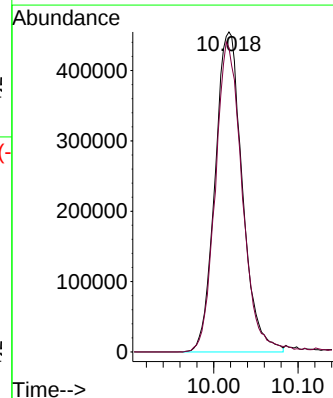
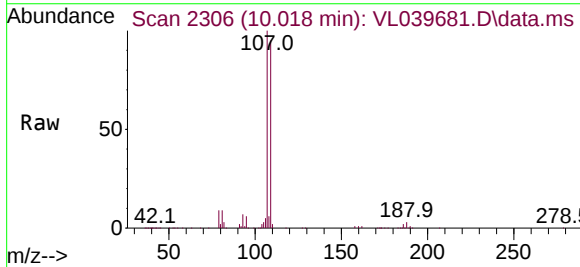
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

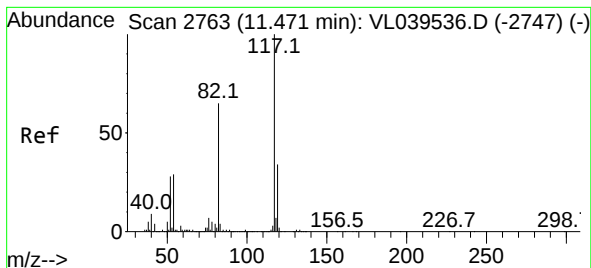
Tgt Ion: 91 Resp: 2540507
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.2



#54
1,2-Dibromoethane
Concen: 9.821 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 107 Resp: 1023608
Ion Ratio Lower Upper
107 100
109 95.0 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

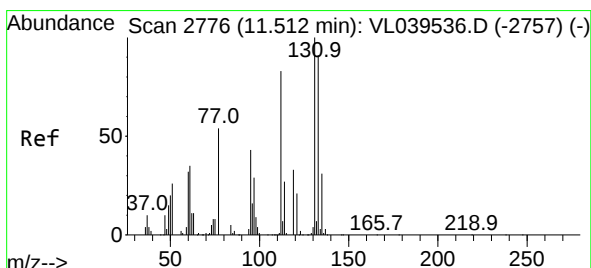
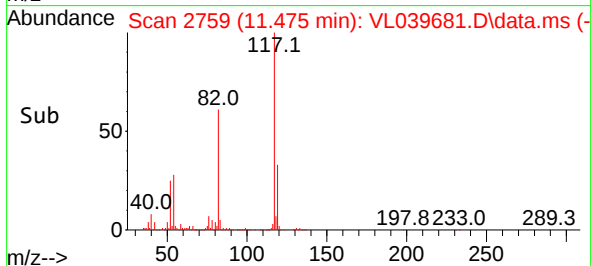
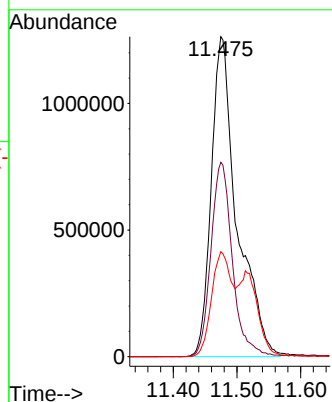
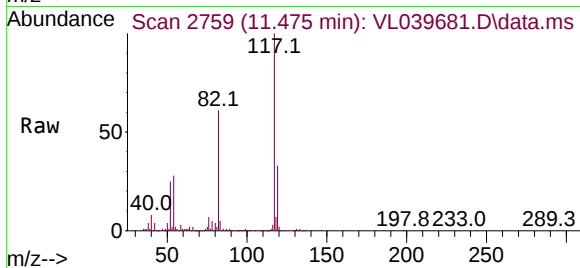
Tgt Ion:117 Resp: 3541488

Ion Ratio Lower Upper

117 100

82 51.1 50.8 76.2

119 25.8 24.1 36.1



#56

1,1,1,2-Tetrachloroethane

Concen: 7.686 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

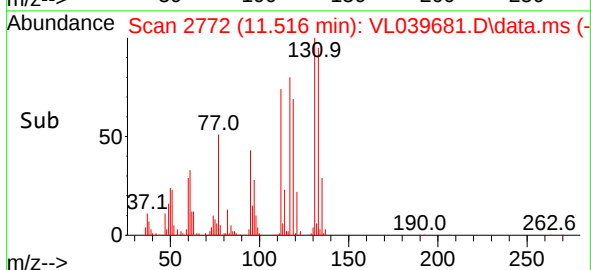
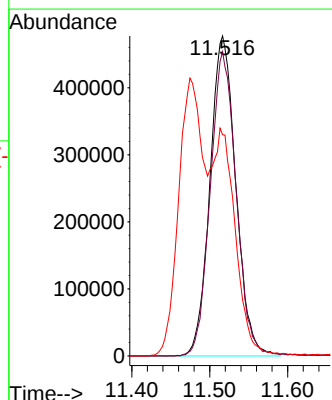
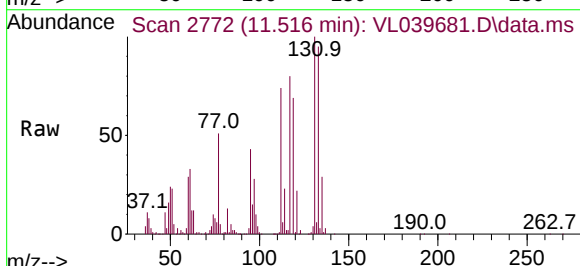
Tgt Ion:131 Resp: 1100034

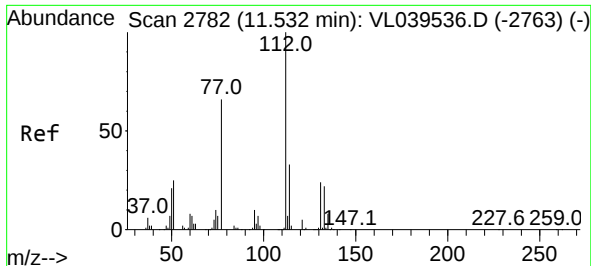
Ion Ratio Lower Upper

131 100

133 95.4 76.8 115.2

119 65.1 46.2 69.4

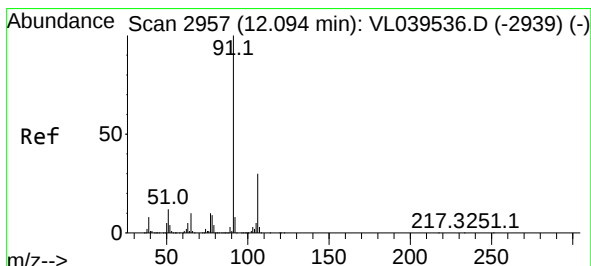
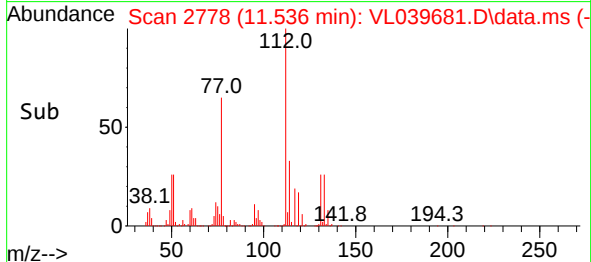
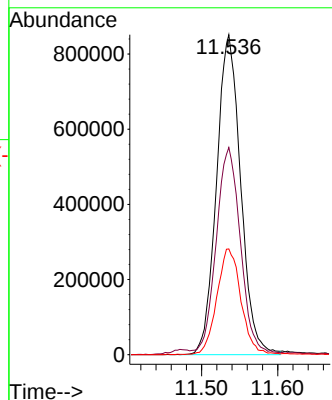
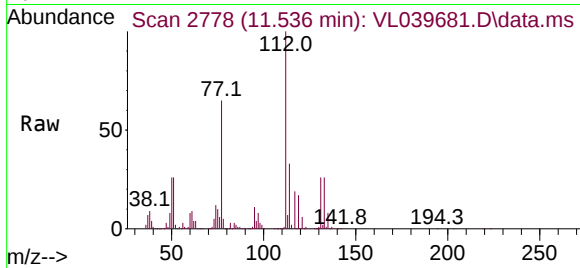




#57
Chlorobenzene
Concen: 7.220 ppbv
RT: 11.536 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

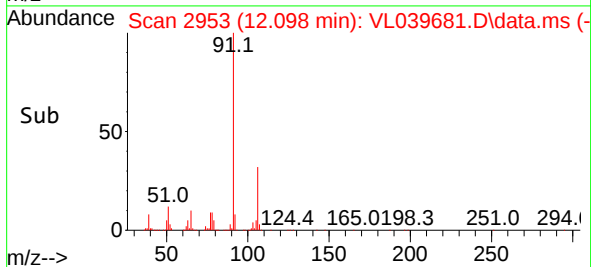
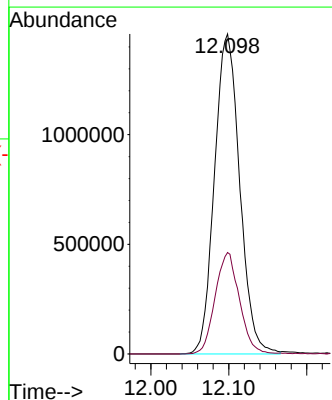
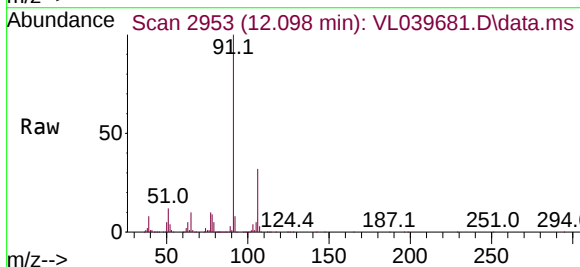
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

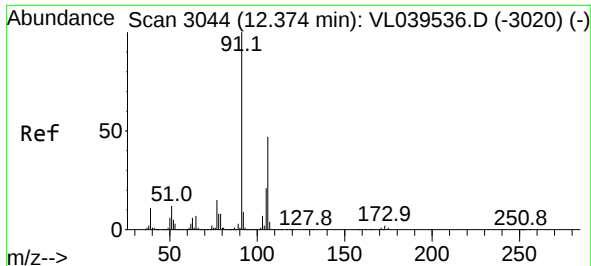
Tgt Ion:112 Resp: 1880381
Ion Ratio Lower Upper
112 100
77 64.1 51.0 76.4
114 32.9 27.5 33.6



#58
Ethyl Benzene
Concen: 8.038 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 91 Resp: 3282236
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0





#59

m/p-Xylene

Concen: 7.139 ppbv

RT: 12.381 min Scan# 3044

Delta R.T. 0.007 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

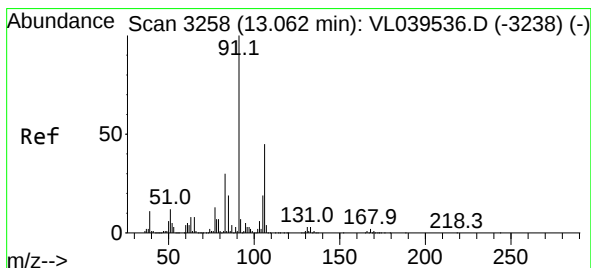
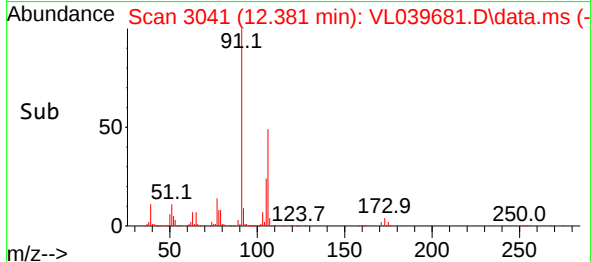
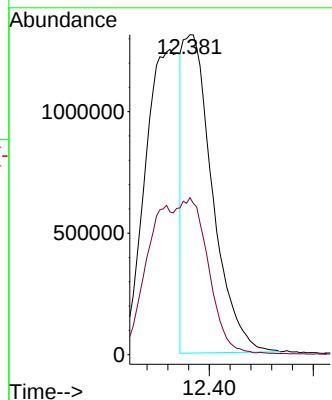
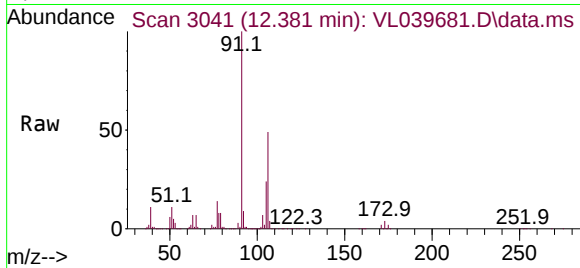
VSTDCCC010

Tgt Ion: 91 Resp: 2594322

Ion Ratio Lower Upper

91 100

106 97.4 35.4 53.2#



#60

o-Xylene

Concen: 7.533 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.007 min

Lab File: VL039681.D

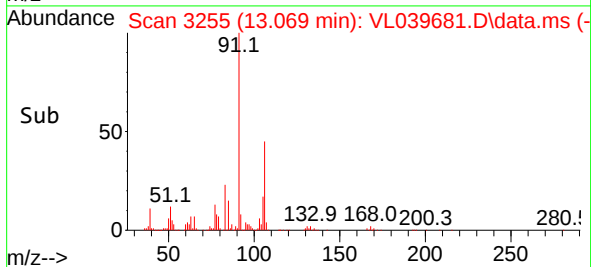
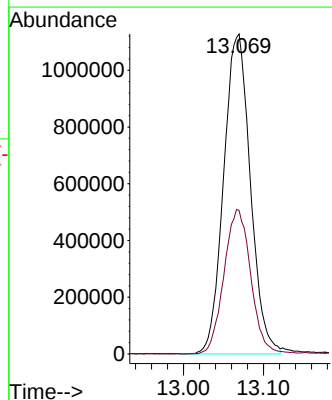
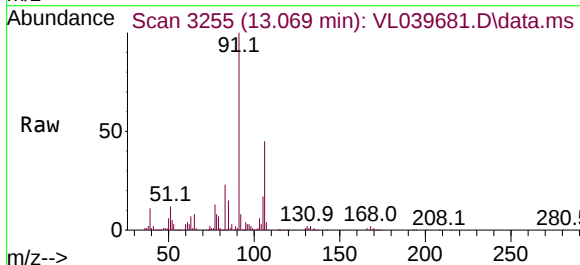
Acq: 4 Oct 2022 14:17

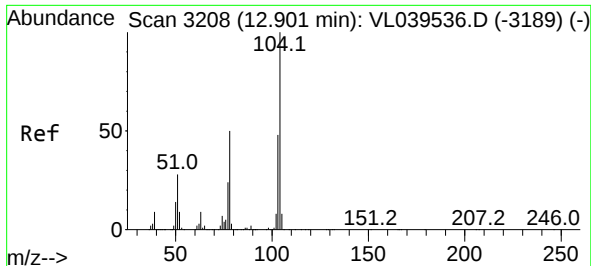
Tgt Ion: 91 Resp: 2614231

Ion Ratio Lower Upper

91 100

106 45.9 22.4 67.3

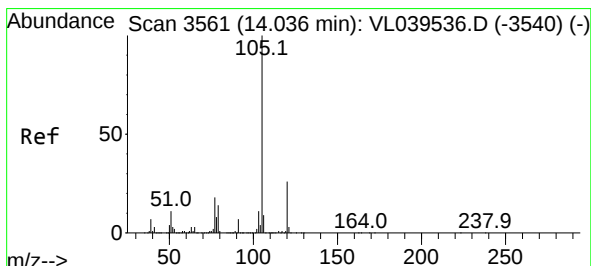
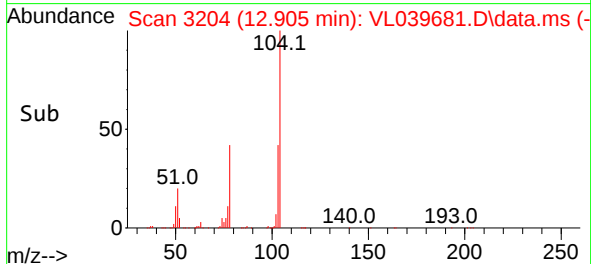
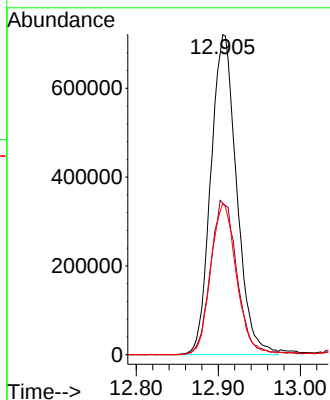
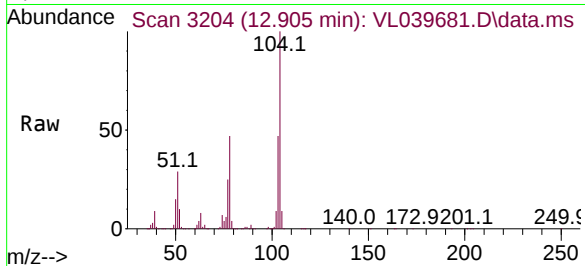




#61
Styrene
Concen: 8.458 ppbv
RT: 12.905 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

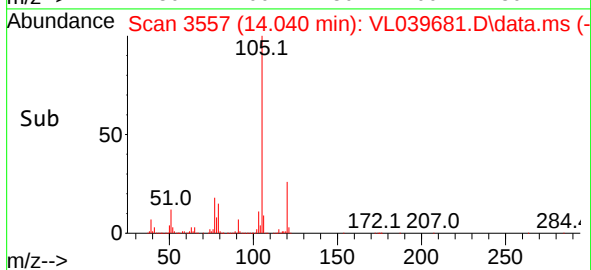
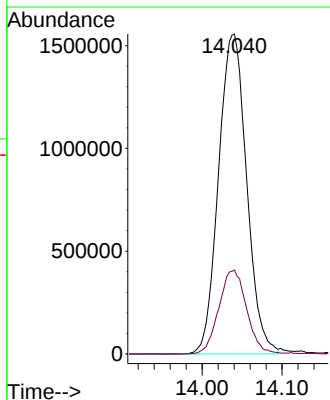
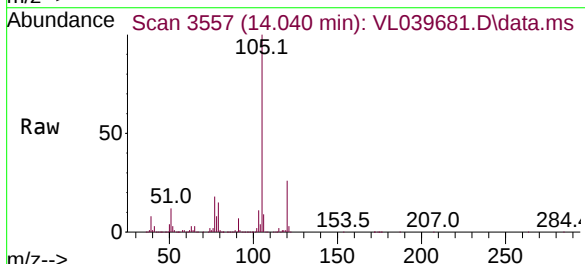
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

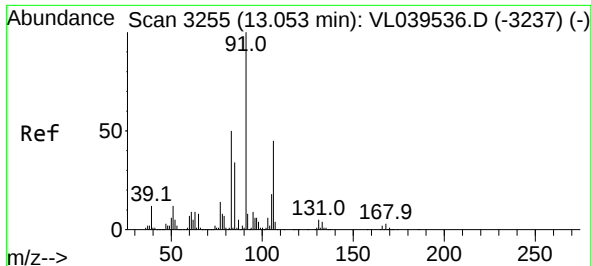
Tgt Ion:104 Resp: 1580707
Ion Ratio Lower Upper
104 100
78 49.9 41.2 61.8
103 47.7 38.7 58.1



#62
Isopropylbenzene
Concen: 7.257 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion:105 Resp: 3789717
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1

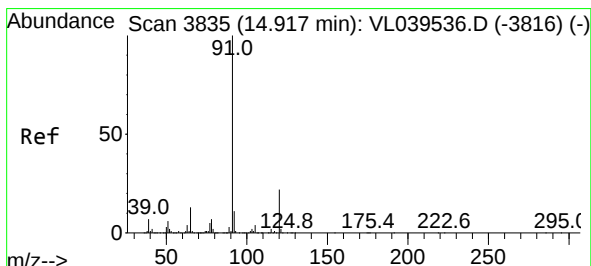
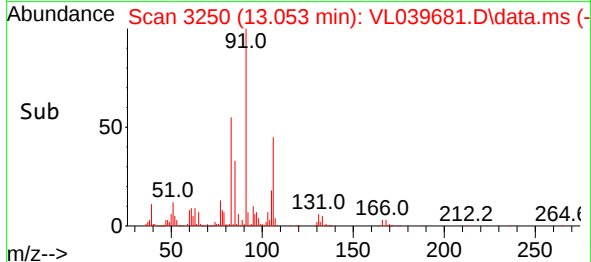
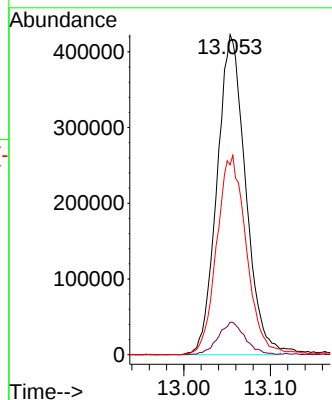
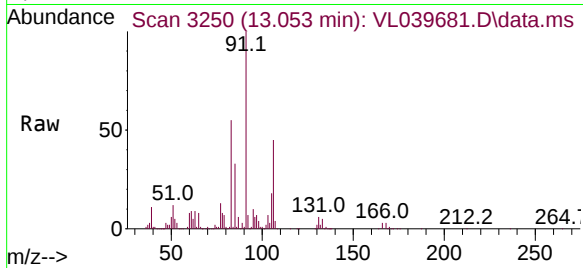




#63
1,1,2,2-Tetrachloroethane
Concen: 6.970 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.001 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

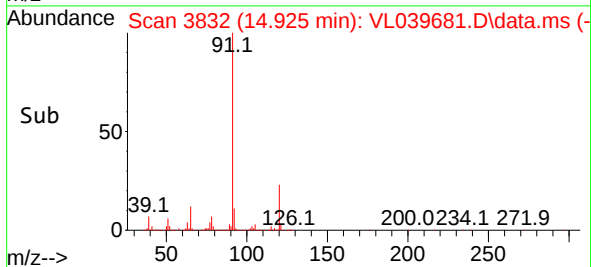
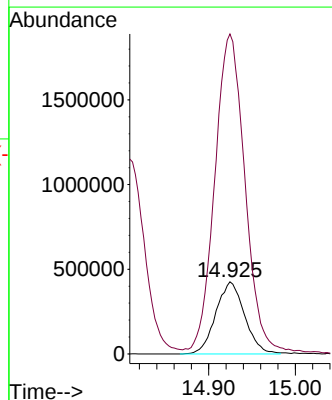
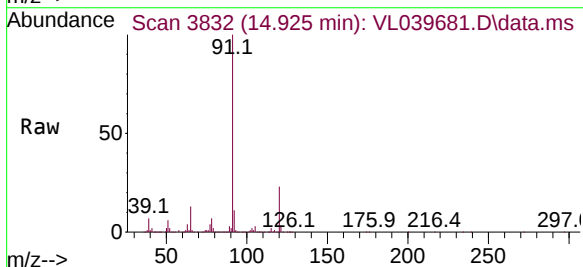
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

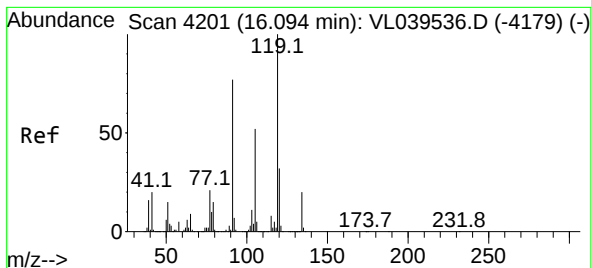
Tgt Ion: 83 Resp: 964795
Ion Ratio Lower Upper
83 100
131 9.8 5.3 15.8
85 65.8 33.1 99.5



#64
n-propylbenzene
Concen: 7.359 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 120 Resp: 984045
Ion Ratio Lower Upper
120 100
91 471.0 367.2 550.8





#65

tert-Butylbenzene

Concen: 7.237 ppbv

RT: 16.098 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

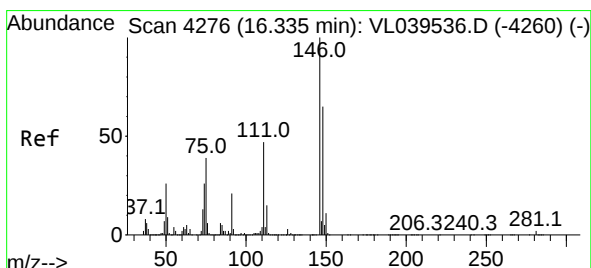
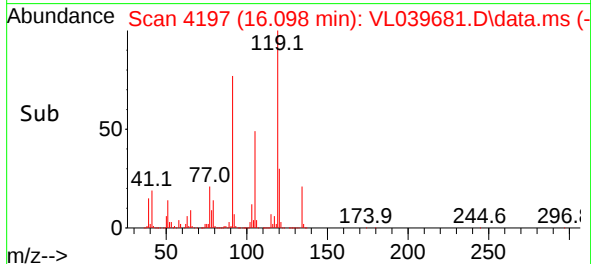
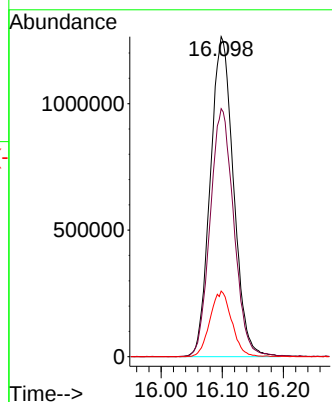
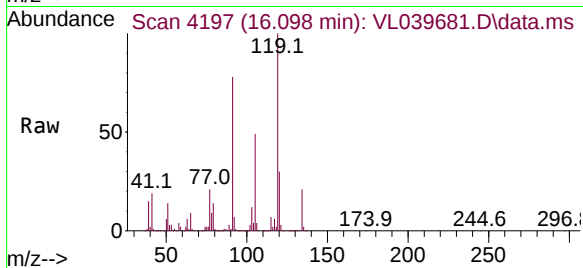
Tgt Ion:119 Resp: 3338852

Ion Ratio Lower Upper

119 100

91 78.8 63.4 95.2

134 19.3 15.9 23.9



#66

Benzyl Chloride

Concen: 8.443 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. -0.002 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

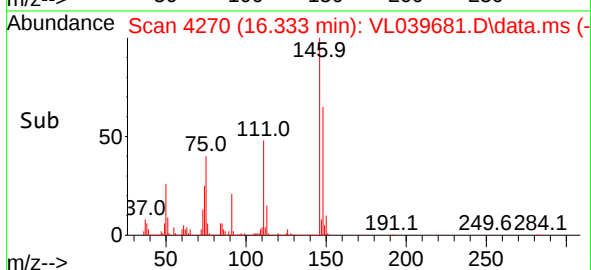
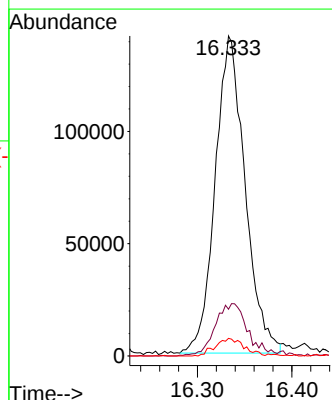
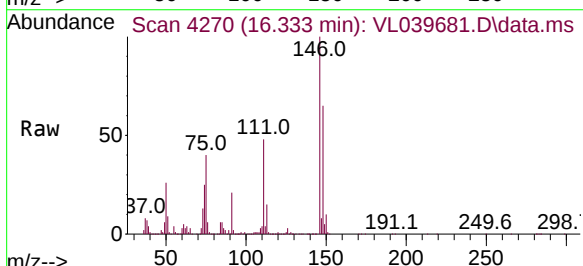
Tgt Ion: 91 Resp: 310115

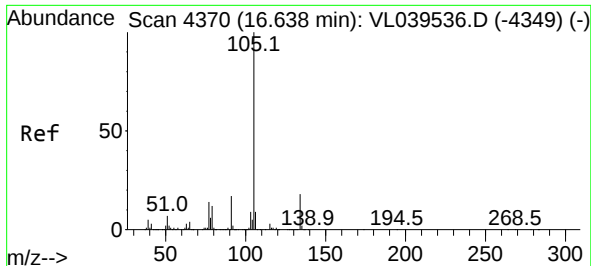
Ion Ratio Lower Upper

91 100

126 18.6 13.1 19.7

128 5.6 4.4 6.6





#67

sec-Butylbenzene

Concen: 7.192 ppbv

RT: 16.645 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

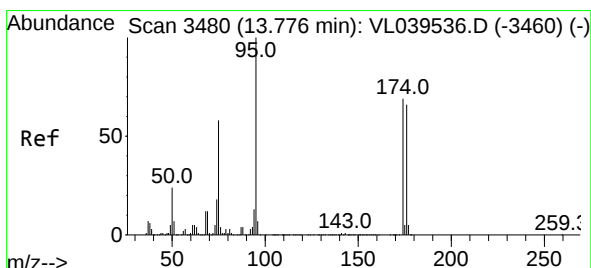
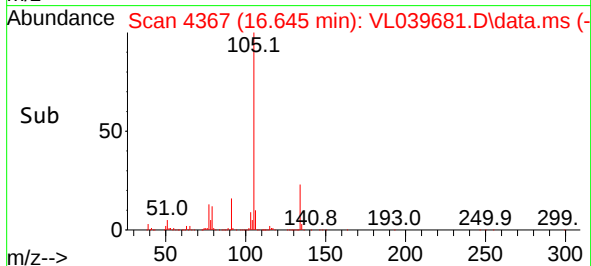
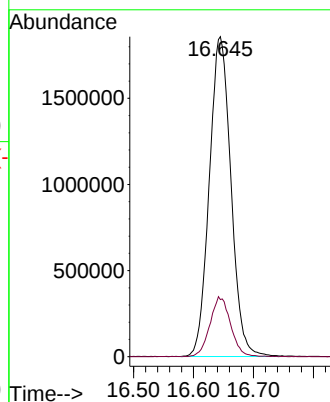
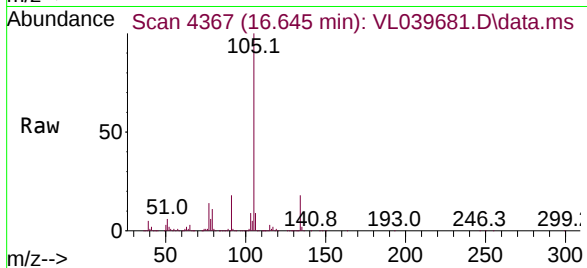
VSTDCCC010

Tgt Ion:105 Resp: 4653677

Ion Ratio Lower Upper

105 100

134 18.0 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.068 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.010 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

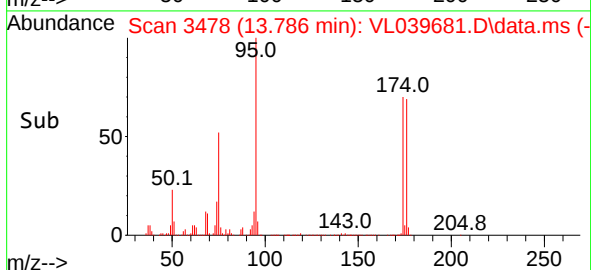
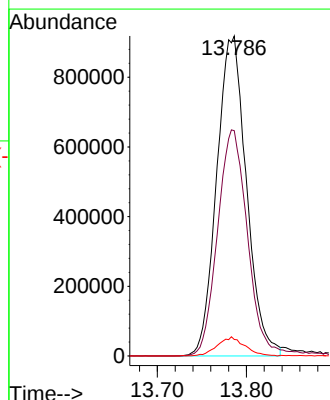
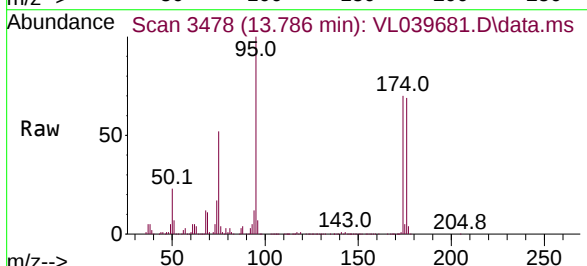
Tgt Ion: 95 Resp: 2132911

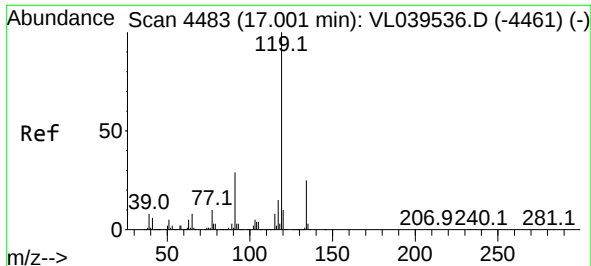
Ion Ratio Lower Upper

95 100

174 72.5 55.9 83.9

175 5.7 4.2 6.4

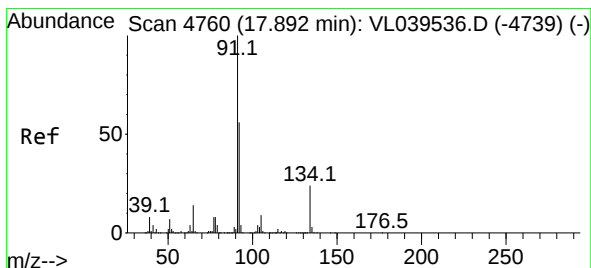
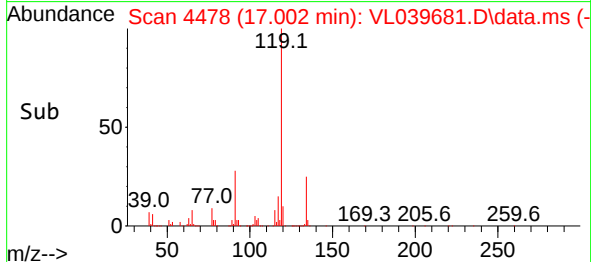
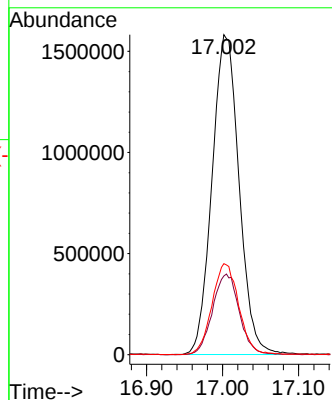
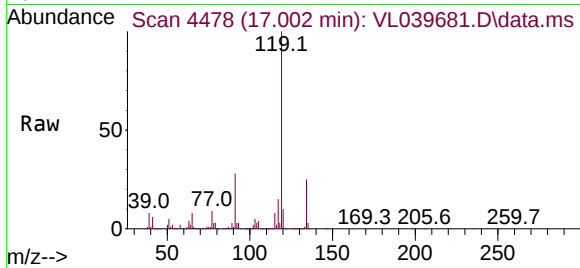




#69
p-Isopropyltoluene
Concen: 7.337 ppbv
RT: 17.002 min Scan# 4483
Delta R.T. 0.001 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

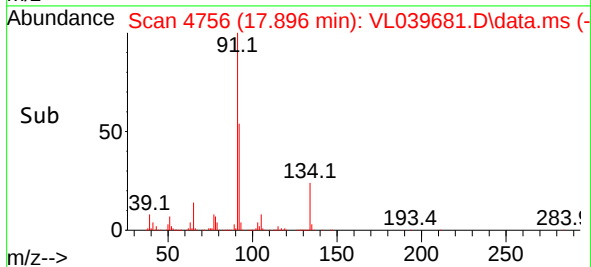
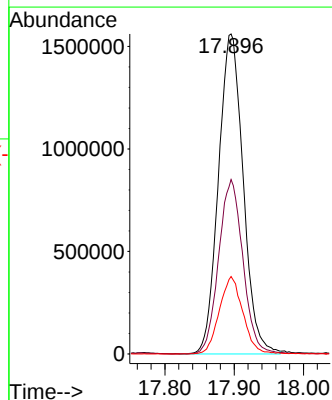
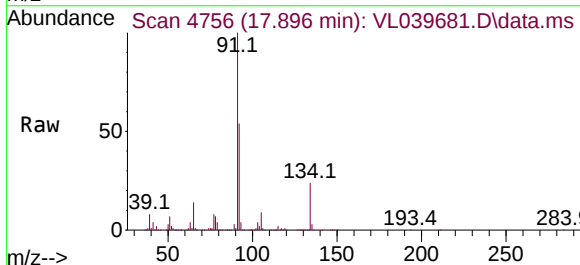
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

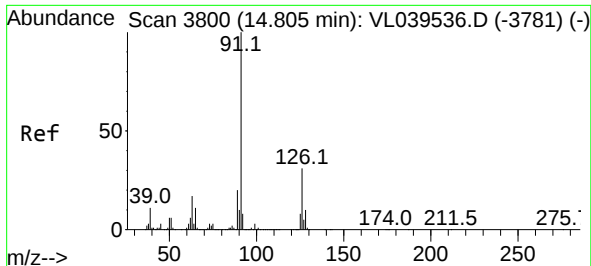
Tgt Ion:119 Resp: 3901171
Ion Ratio Lower Upper
119 100
134 25.0 20.3 30.5
91 28.2 22.9 34.3



#70
n-Butylbenzene
Concen: 7.427 ppbv
RT: 17.896 min Scan# 4756
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 91 Resp: 3871081
Ion Ratio Lower Upper
91 100
92 53.6 43.4 65.2
134 23.2 18.9 28.3

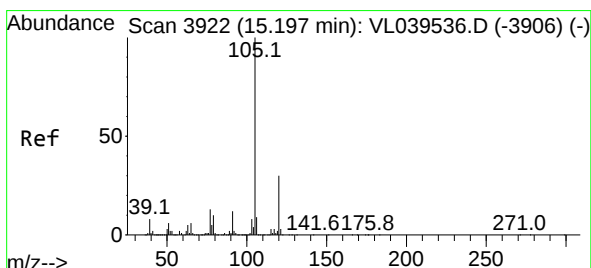
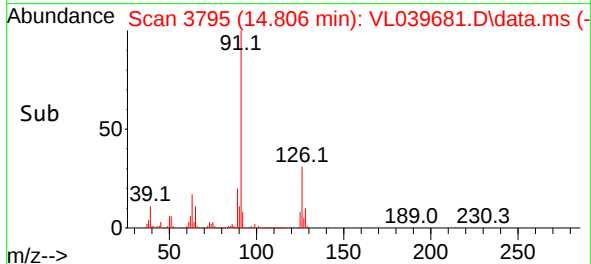
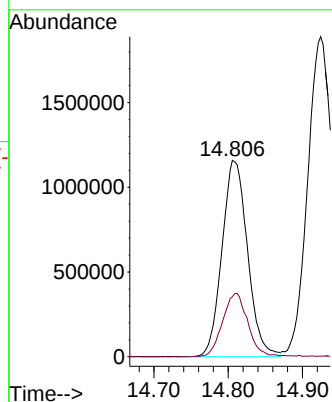
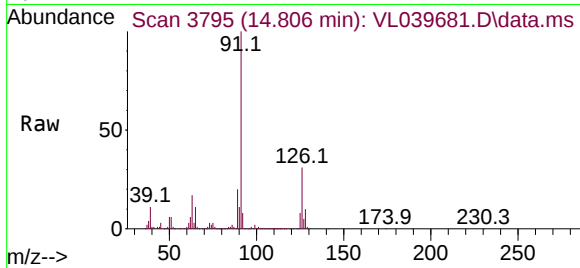




#71
2-Chlorotoluene
Concen: 7.338 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.001 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

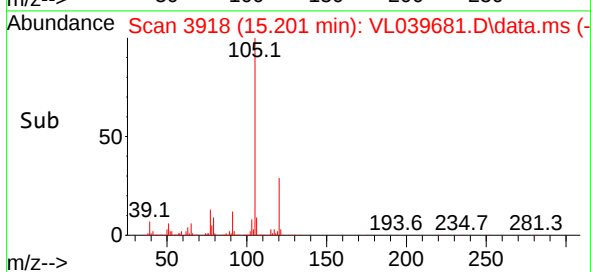
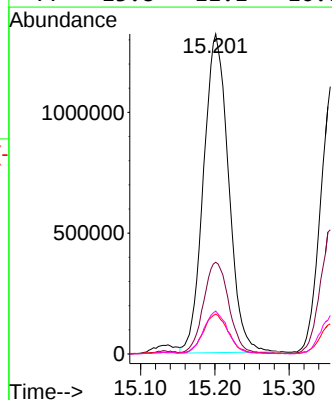
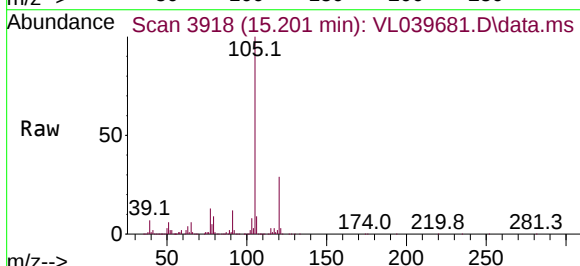
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

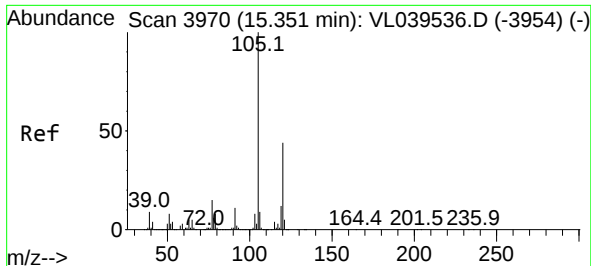
Tgt Ion: 91 Resp: 2766449
Ion Ratio Lower Upper
91 100
126 32.2 13.0 51.8



#72
4-Ethyltoluene
Concen: 7.797 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. 0.004 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion: 105 Resp: 3088811
Ion Ratio Lower Upper
105 100
120 30.4 24.2 36.2
91 12.6 10.2 15.4
77 13.8 11.1 16.7

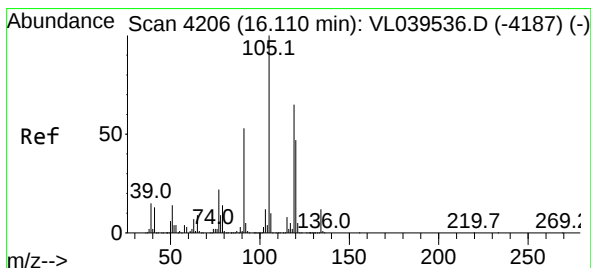
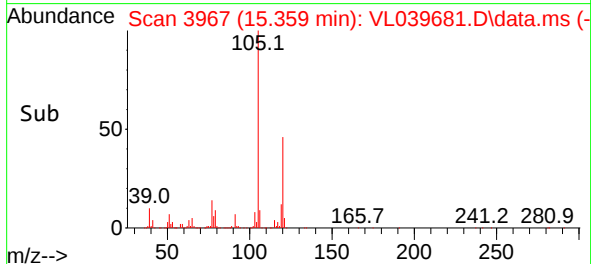
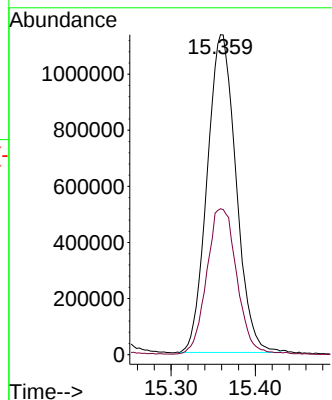
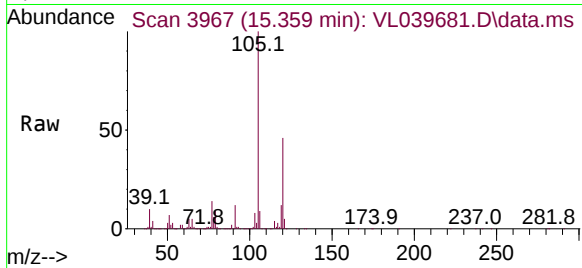




#73
 1,3,5-Trimethylbenzene
 Concen: 7.440 ppbv
 RT: 15.359 min Scan# 3970
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

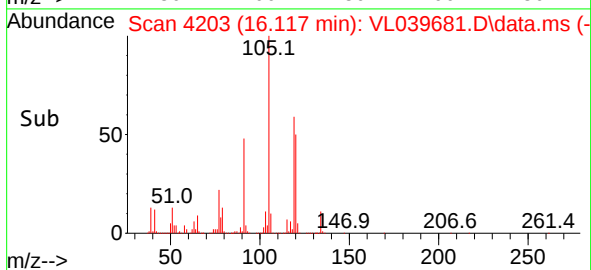
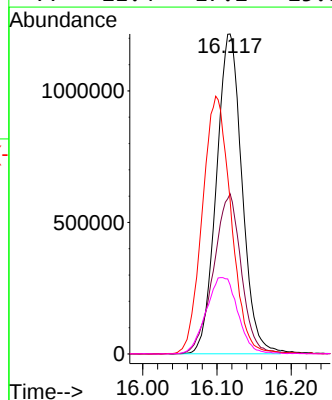
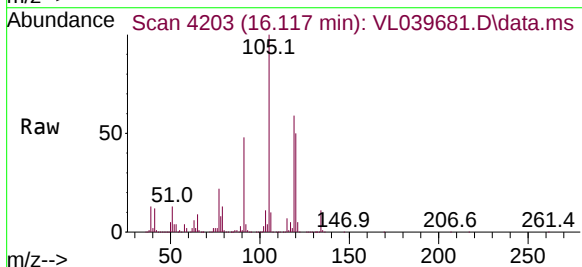
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

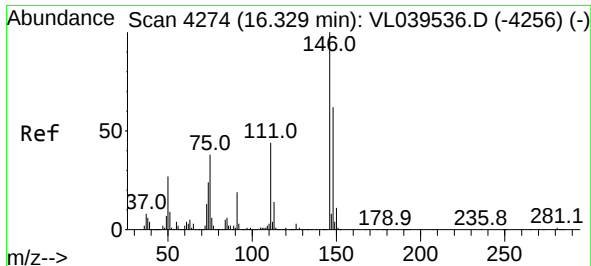
Tgt Ion:105 Resp: 2697091
 Ion Ratio Lower Upper
 105 100
 120 45.5 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.190 ppbv
 RT: 16.117 min Scan# 4203
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Tgt Ion:105 Resp: 2921748
 Ion Ratio Lower Upper
 105 100
 120 49.9 39.5 59.3
 91 47.5 39.2 58.8
 77 21.4 17.2 25.8

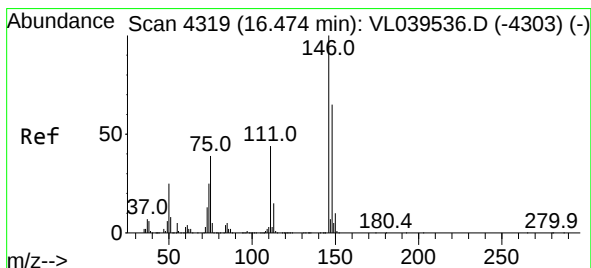
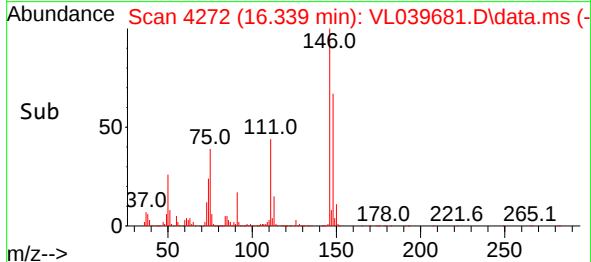
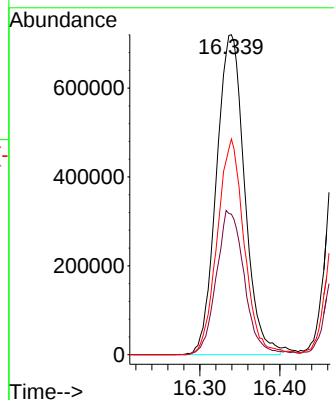
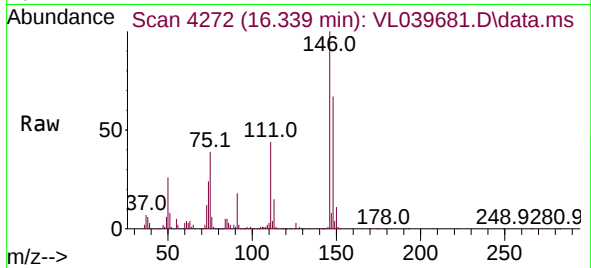




#75
1,3-Dichlorobenzene
Concen: 7.256 ppbv
RT: 16.339 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

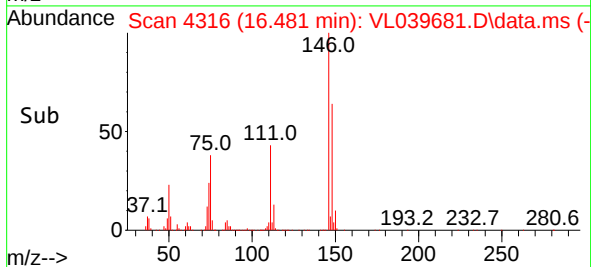
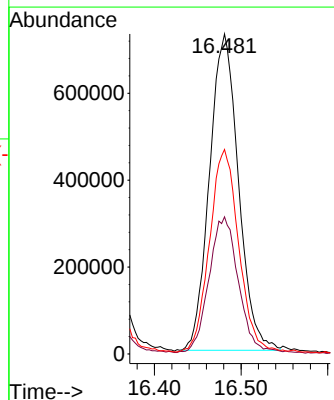
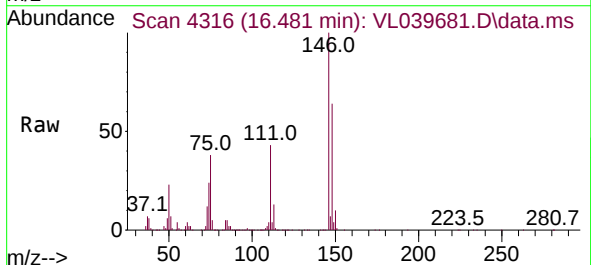
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

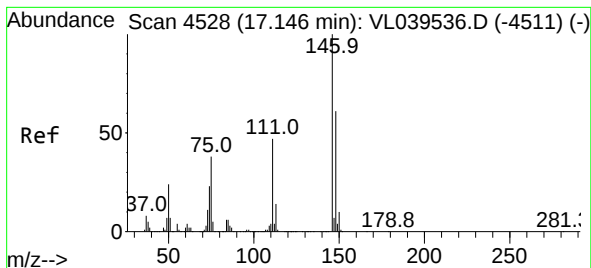
Tgt Ion:146 Resp: 1759401
Ion Ratio Lower Upper
146 100
111 44.8 22.9 68.7
148 64.8 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 6.975 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. 0.007 min
Lab File: VL039681.D
Acq: 4 Oct 2022 14:17

Tgt Ion:146 Resp: 1691757
Ion Ratio Lower Upper
146 100
111 45.2 22.9 68.8
148 66.6 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 7.097 ppbv

RT: 17.146 min Scan# 4528

Delta R.T. 0.001 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

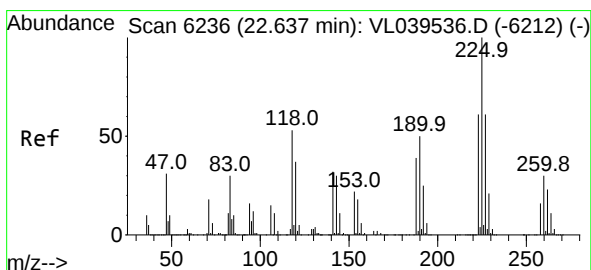
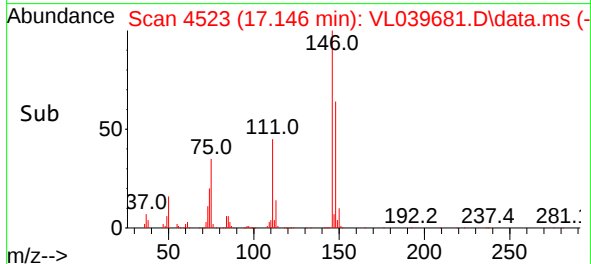
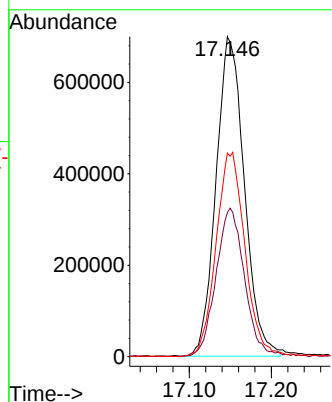
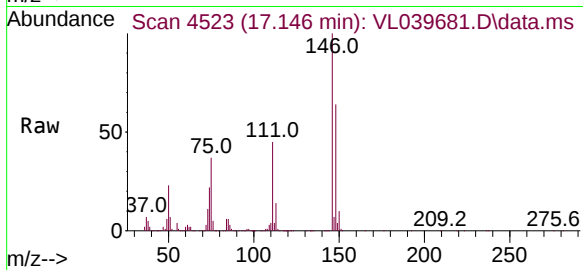
Tgt Ion:146 Resp: 1678026

Ion Ratio Lower Upper

146 100

111 47.1 23.8 71.5

148 65.6 32.3 96.8



#78

Hexachloro-1,3-Butadiene

Concen: 7.645 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.001 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

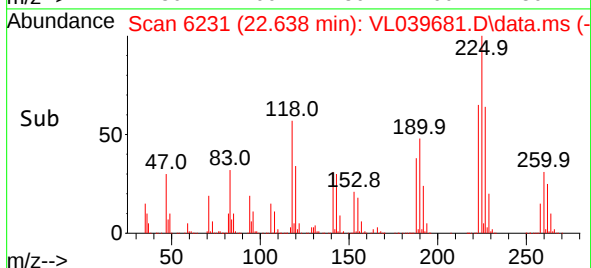
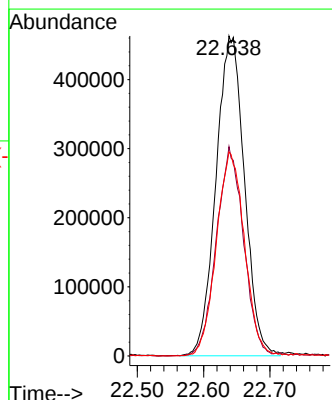
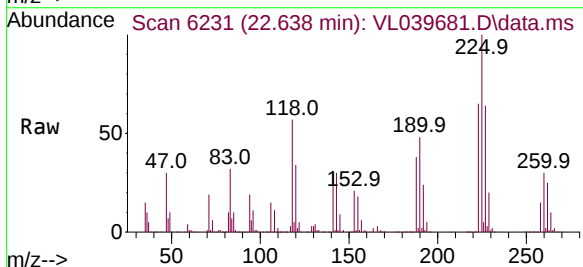
Tgt Ion:225 Resp: 1381183

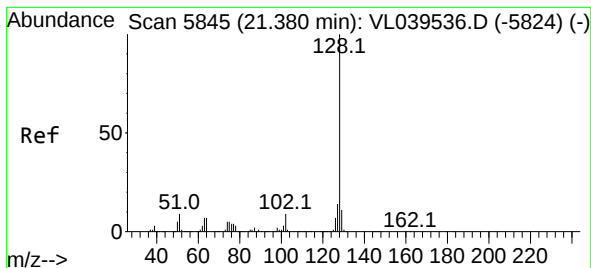
Ion Ratio Lower Upper

225 100

223 63.1 51.8 77.6

227 63.0 51.4 77.2





#79

Naphthalene

Concen: 10.856 ppbv

RT: 21.391 min Scan# 5843

Delta R.T. 0.010 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

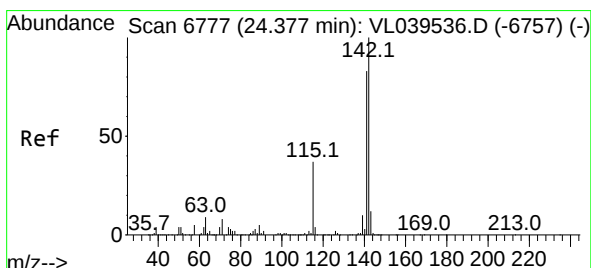
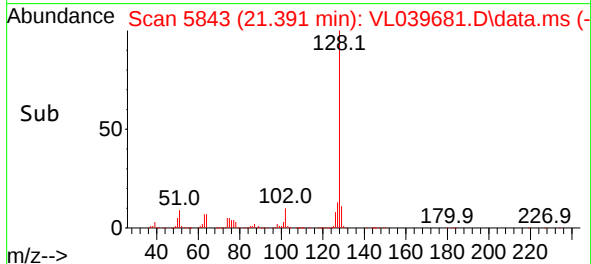
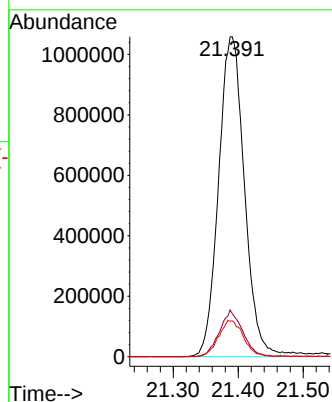
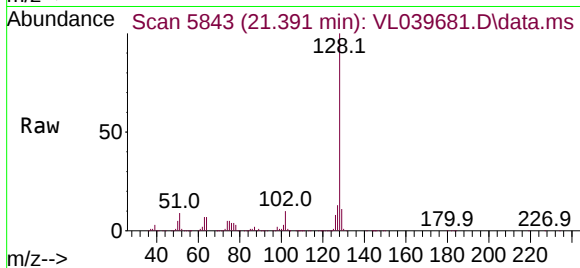
Tgt Ion:128 Resp: 2911292

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.2 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 10.825 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. 0.007 min

Lab File: VL039681.D

Acq: 4 Oct 2022 14:17

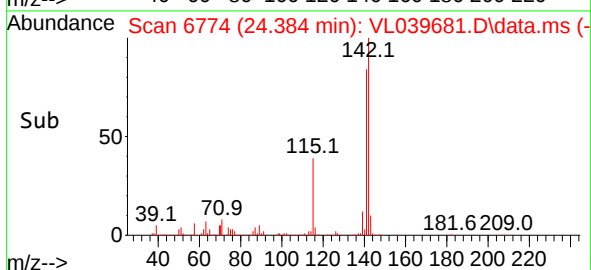
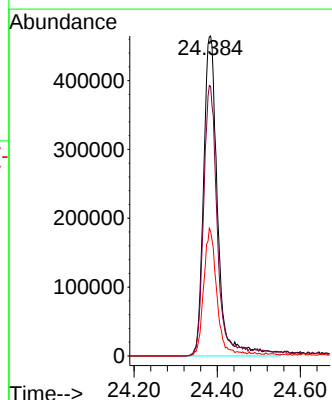
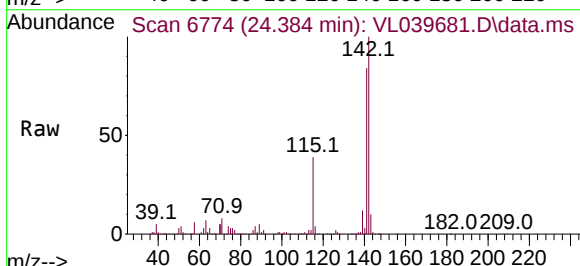
Tgt Ion:142 Resp: 1091492

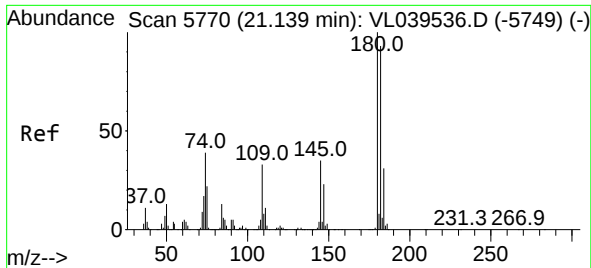
Ion Ratio Lower Upper

142 100

141 82.1 68.9 103.3

115 39.0 30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.218 ppbv
 RT: 21.146 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VL039681.D
 Acq: 4 Oct 2022 14:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1623566

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.1	115.7
184	30.3	24.3	36.5

