

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040181.D
 Acq On : 16 Feb 2023 15:37
 Operator : SY/MD
 Sample : VL0216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 17 03:31:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	907983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2306004	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2211993	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1687201	9.276	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	1247280	7.370	ppbv	96
3) Chlorodifluoromethane	2.658	51	1080871	9.965	ppbv	99
4) Chloromethane	2.800	50	699567	10.268	ppbv	95
5) Vinyl Chloride	2.906	62	606447	11.077	ppbv	95
6) Bromomethane	3.108	94	205332	10.391	ppbv	96
7) Chloroethane	3.186	64	224176	10.325	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	1456638	9.989	ppbv	100
9) Propene	2.681	41	470499	10.641	ppbv	99
10) Heptane	7.578	43	1138208	10.816	ppbv	99
11) Trichlorofluoromethane	3.552	101	1471291	9.690	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1086365	9.698	ppbv	100
13) Ethanol	3.231	45	13498	3.316	ppbv #	14
14) Bromoethene	3.353	108	456390	10.625	ppbv	100
15) Acetone	3.456	43	1023330	9.361	ppbv	99
16) 1,3-Butadiene	2.970	39	529589	10.608	ppbv	96
17) tert-Butyl alcohol	3.864	59	1062212	10.655	ppbv	100
18) 1,1-Dichloroethene	3.867	96	501936	10.313	ppbv	97
19) Isopropyl Alcohol	3.562	45	508940	9.794	ppbv #	97
20) Methylene Chloride	3.922	84	416240	7.314	ppbv	94
21) Allyl Chloride	3.986	41	739936	11.036	ppbv	97
22) trans-1,2-Dichloroethene	4.436	96	516483	10.248	ppbv	94
23) Vinyl Acetate	4.620	43	344342	10.379	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1035300	9.984	ppbv	99
25) Ethyl Acetate	5.195	43	2144684	10.554	ppbv	100
26) Hexane	5.205	57	905363	10.378	ppbv	99
27) Carbon Disulfide	4.112	76	1261252	11.394	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	972548	10.404	ppbv	100
29) Chloroform	5.269	83	1539588	10.278	ppbv	100
30) Cyclohexane	6.597	84	757623	11.060	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	945486	11.407	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1526040	10.843	ppbv	99
34) 2-Butanone	4.774	43	1150129	10.111	ppbv	98
35) Carbon Tetrachloride	6.488	117	1568550	11.506	ppbv	98
36) Benzene	6.365	78	1948062	10.855	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1174188	10.462	ppbv	100
38) Trichloroethene	7.288	130	1141741	11.546	ppbv	98
39) 1,2-Dichloropropane	7.070	63	734846	10.526	ppbv	99
40) 1,4-Dioxane	7.285	88	293409	10.507	ppbv	98
41) Tetrahydrofuran	5.552	42	753354	11.428	ppbv	99
42) Bromodichloromethane	7.246	83	1711117	11.045	ppbv	100
43) Methyl Methacrylate	7.472	69	775525	11.679	ppbv	99
44) 2,2,4-Trimethylpentane	7.324	57	3170274	10.583	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	751775	12.763	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
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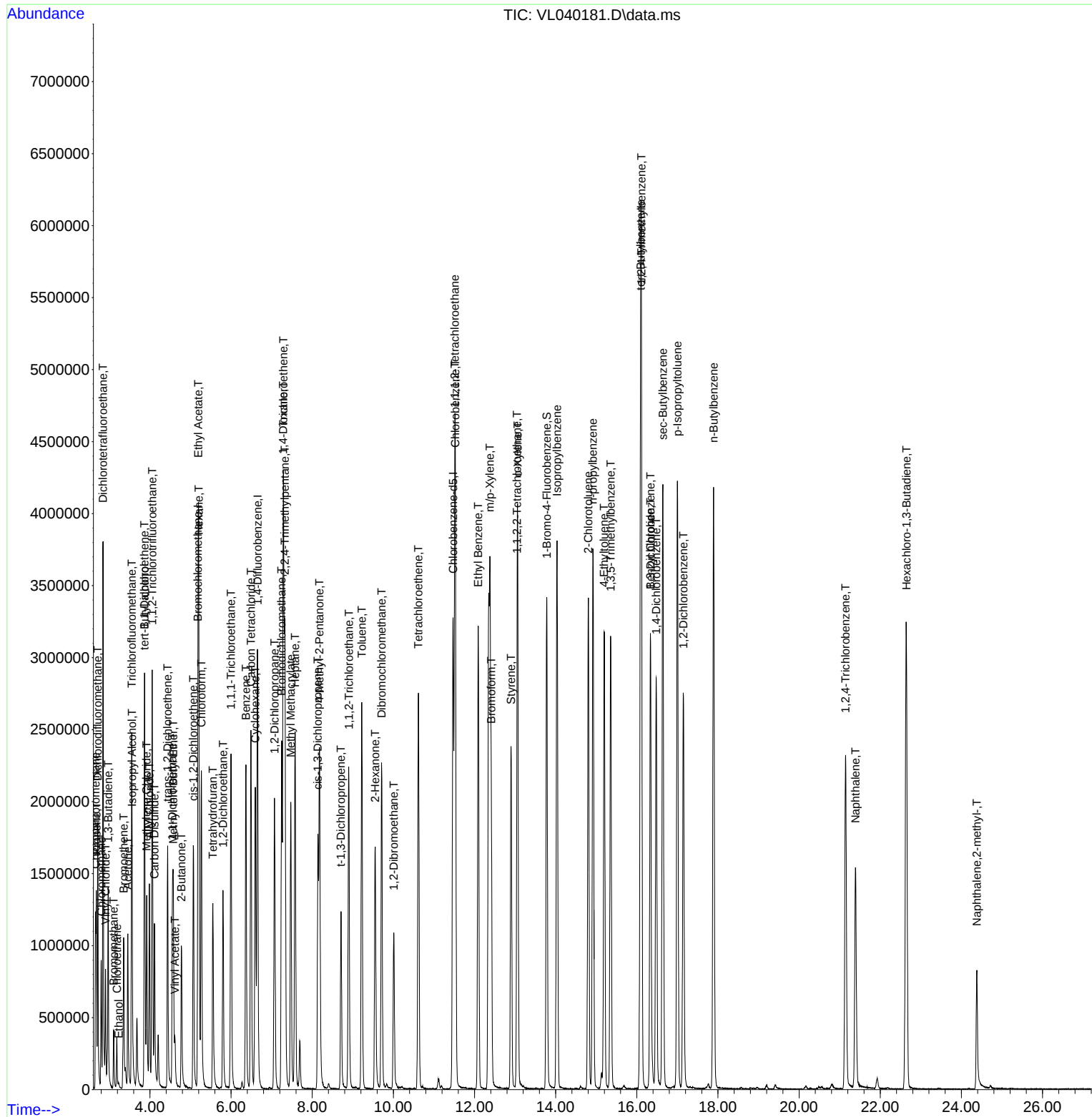
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1014615	12.364	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	807103	10.689	ppbv	98
48) Dibromochloromethane	9.709	129	1372331	11.363	ppbv	99
49) Bromoform	12.413	173	1103310	11.704	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	1963572	11.117	ppbv	100
51) 2-Hexanone	9.552	43	1546900	11.388	ppbv	99
52) Tetrachloroethene	10.619	164	649109	11.583	ppbv	99
53) Toluene	9.221	91	2207547	11.485	ppbv	99
54) 1,2-Dibromoethane	10.012	107	904498	11.513	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	977748	10.530	ppbv	98
57) Chlorobenzene	11.529	112	1689334	10.453	ppbv	98
58) Ethyl Benzene	12.089	91	3008538	11.194	ppbv	99
59) m/p-Xylene	12.378	91	2964189	12.452	ppbv #	50
60) o-Xylene	13.063	91	2461839	10.748	ppbv	98
61) Styrene	12.899	104	1453972	12.091	ppbv	100
62) Isopropylbenzene	14.034	105	3470612	10.556	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	811465	9.831	ppbv	100
64) n-propylbenzene	14.918	120	876633	10.773	ppbv	96
65) tert-Butylbenzene	16.098	119	3024141	10.582	ppbv	100
66) Benzyl Chloride	16.336	91	212656	11.182	ppbv	99
67) sec-Butylbenzene	16.642	105	4290194	10.468	ppbv	100
69) p-Isopropyltoluene	17.002	119	3442091	10.594	ppbv	100
70) n-Butylbenzene	17.892	91	3719154	10.546	ppbv	100
71) 2-Chlorotoluene	14.806	91	2707297	10.767	ppbv	100
72) 4-Ethyltoluene	15.195	105	2822605	11.148	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2514830	10.674	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	2707691	10.463	ppbv	97
75) 1,3-Dichlorobenzene	16.336	146	1480859	10.456	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1443374	10.400	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1424911	10.129	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	411090	4.253	ppbv #	18
79) Naphthalene	21.391	128	1911105	13.145	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	575362	13.917	ppbv	99
81) 1,2,4-Trichlorobenzene	21.143	180	1013012	11.134	ppbv	98

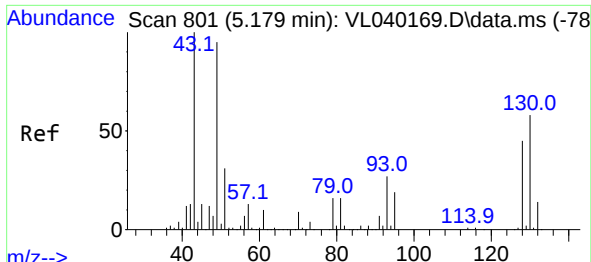
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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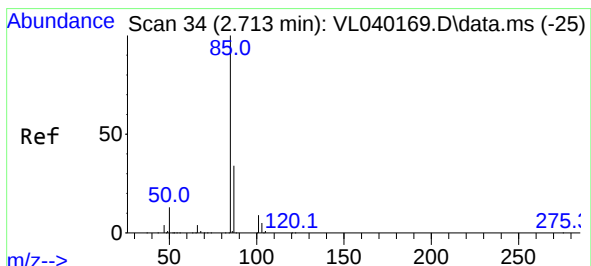
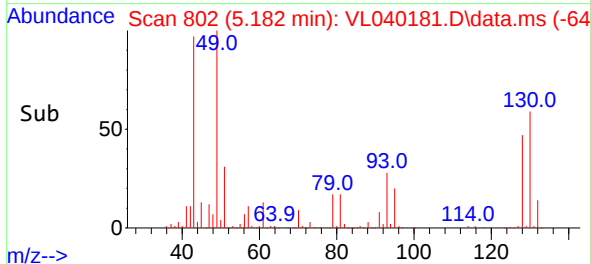
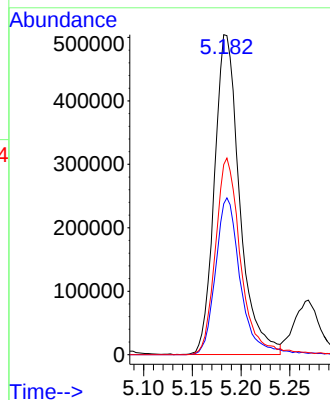
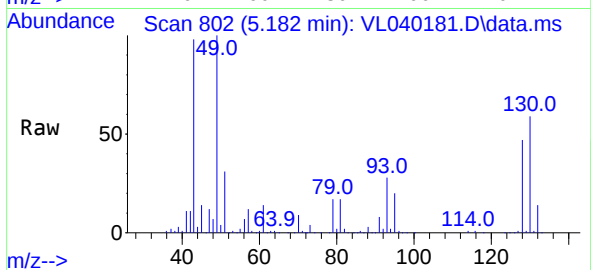




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

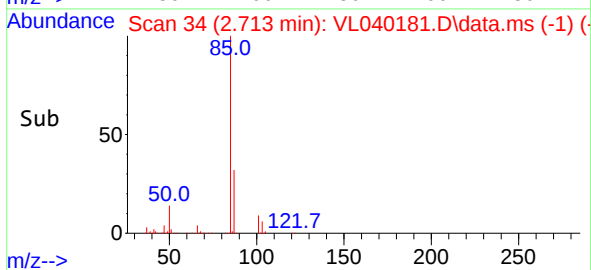
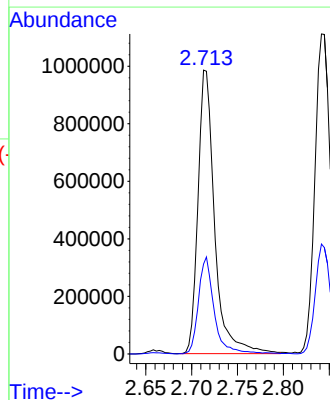
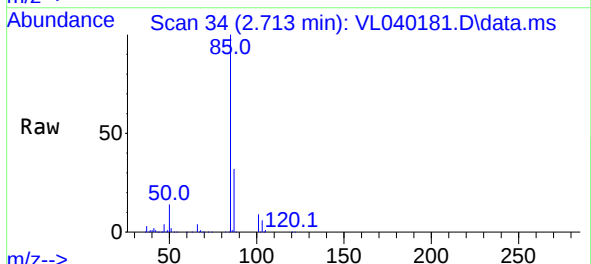
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

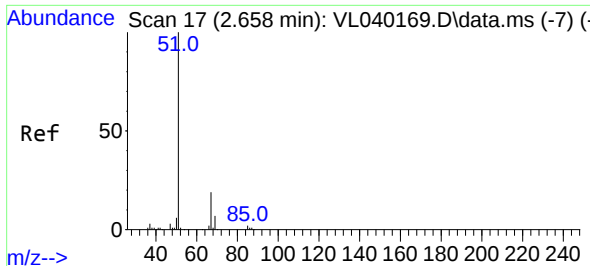
Tgt Ion: 49 Resp: 907983
Ion Ratio Lower Upper
49 100
128 48.9 24.1 72.3
130 62.4 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 7.370 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 85 Resp: 1247280
Ion Ratio Lower Upper
85 100
87 31.6 27.0 40.6

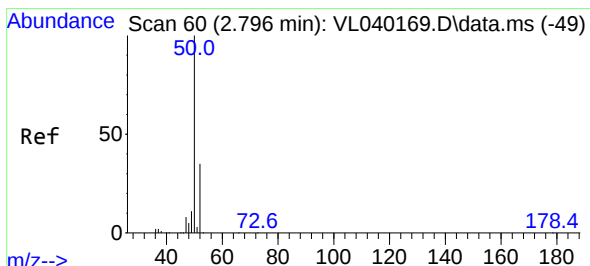
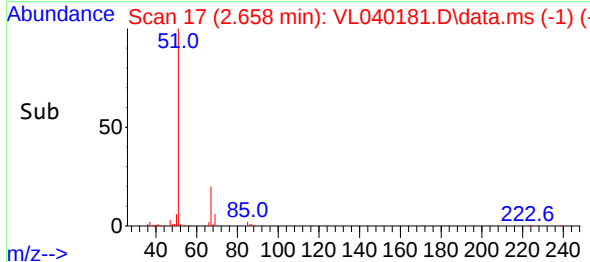
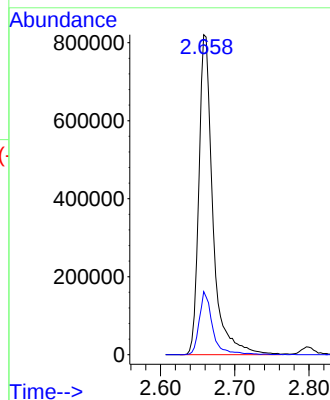
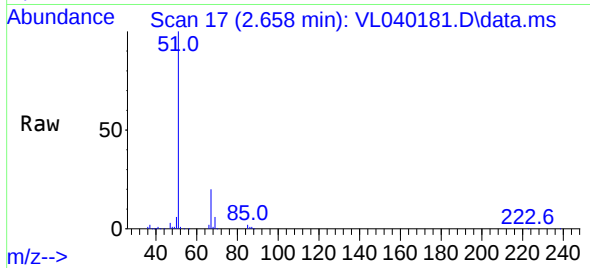




#3
Chlorodifluoromethane
Concen: 9.965 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

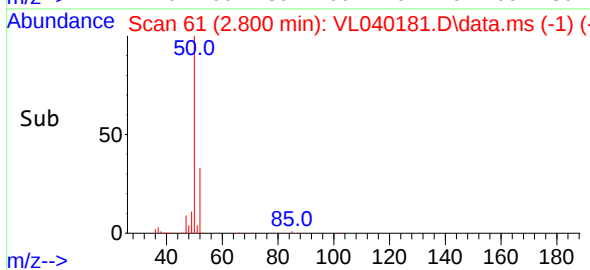
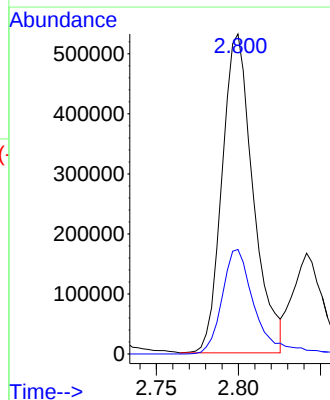
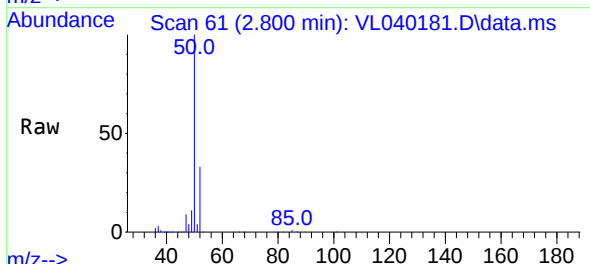
Instrument :
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ClientSampleId :
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Tgt Ion: 51 Resp: 1080871
Ion Ratio Lower Upper
51 100
67 18.9 15.4 23.2

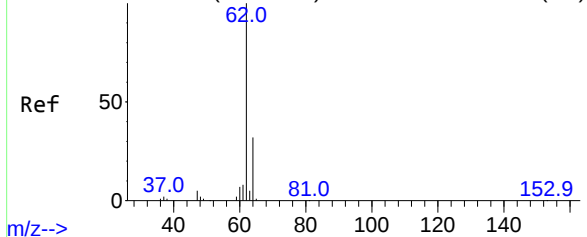


#4
Chloromethane
Concen: 10.268 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 50 Resp: 699567
Ion Ratio Lower Upper
50 100
52 32.8 28.3 42.5



Abundance Scan 93 (2.902 min): VL040169.D\data.ms (-85)



#5

Vinyl Chloride

Concen: 11.077 ppbv

RT: 2.906 min Scan# 94

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

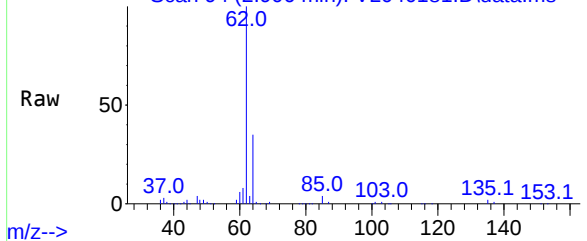
Tgt Ion: 62 Resp: 606447

Ion Ratio Lower Upper

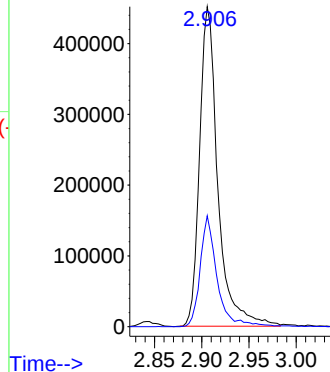
62 100

64 34.7 25.6 38.4

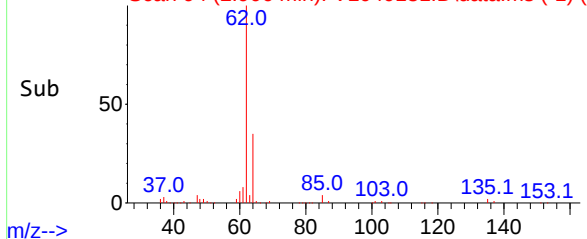
Abundance Scan 94 (2.906 min): VL040181.D\data.ms



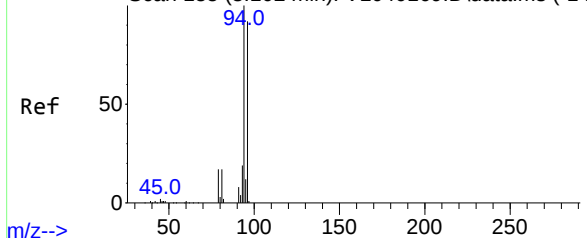
Abundance



Abundance Scan 94 (2.906 min): VL040181.D\data.ms (-1)



Abundance Scan 155 (3.102 min): VL040169.D\data.ms (-14)



#6

Bromomethane

Concen: 10.391 ppbv

RT: 3.108 min Scan# 157

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

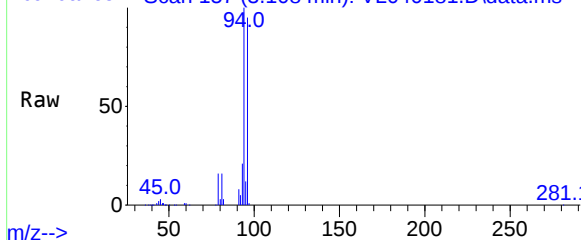
Tgt Ion: 94 Resp: 205332

Ion Ratio Lower Upper

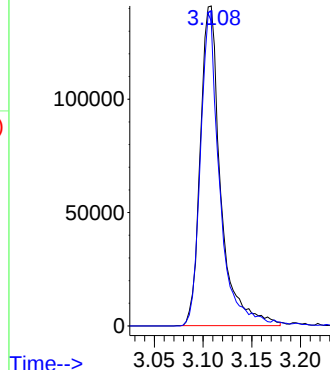
94 100

96 95.3 73.4 110.2

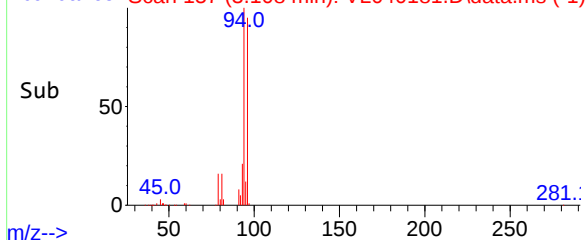
Abundance Scan 157 (3.108 min): VL040181.D\data.ms

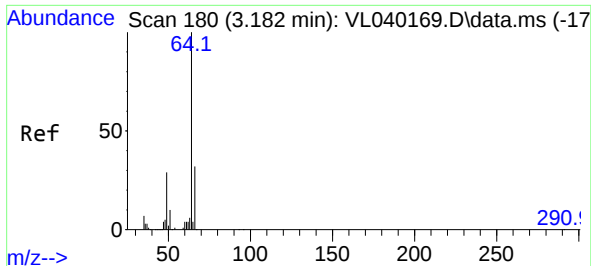


Abundance



Abundance Scan 157 (3.108 min): VL040181.D\data.ms (-1)

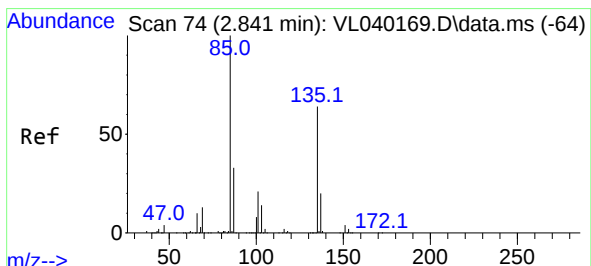
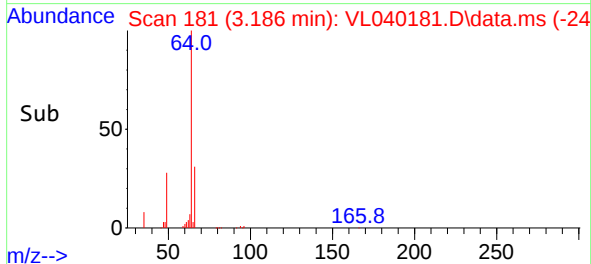
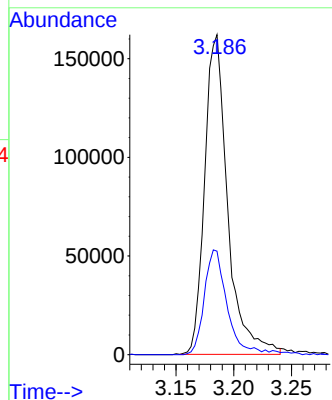
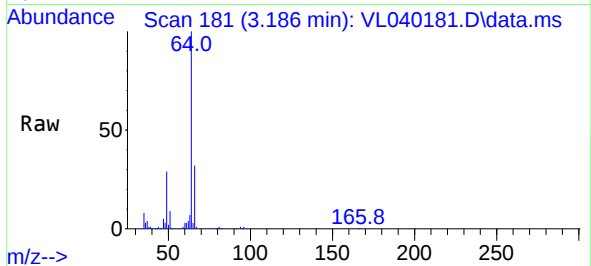




#7
Chloroethane
Concen: 10.325 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

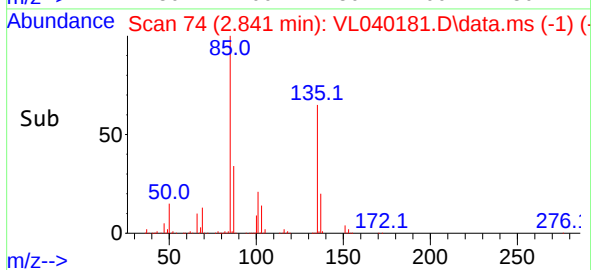
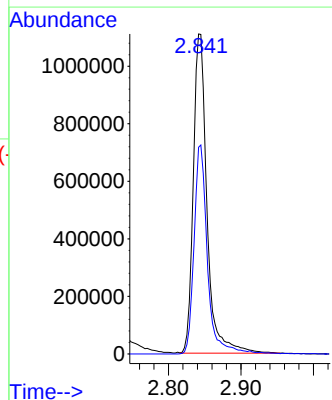
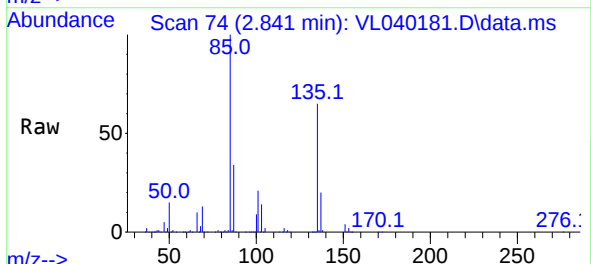
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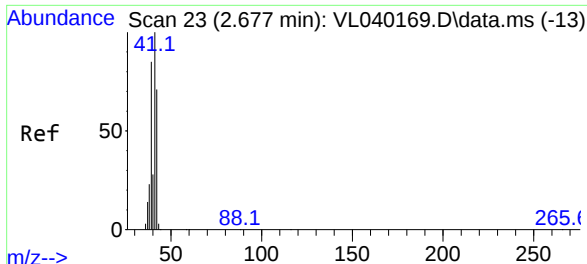
Tgt Ion: 64 Resp: 224176
Ion Ratio Lower Upper
64 100
66 32.4 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 9.989 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 85 Resp: 1456638
Ion Ratio Lower Upper
85 100
135 64.5 51.5 77.3

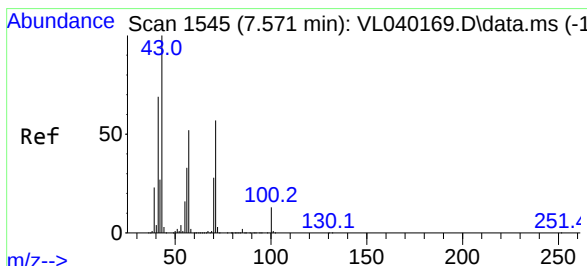
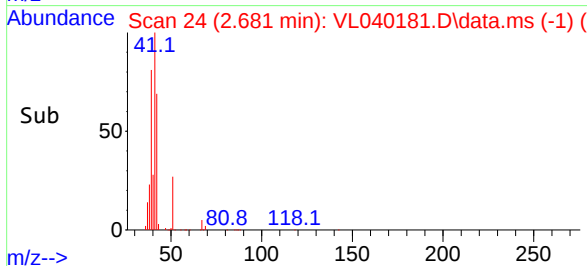
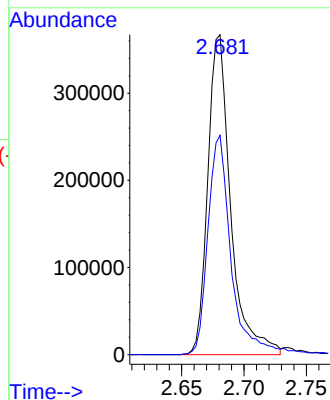
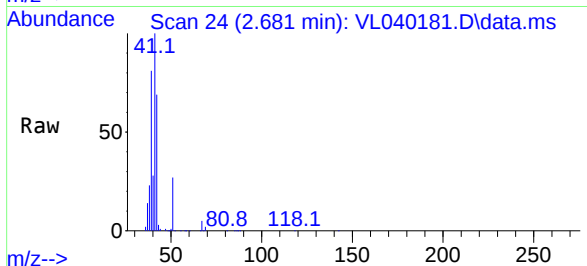




#9
Propene
Concen: 10.641 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

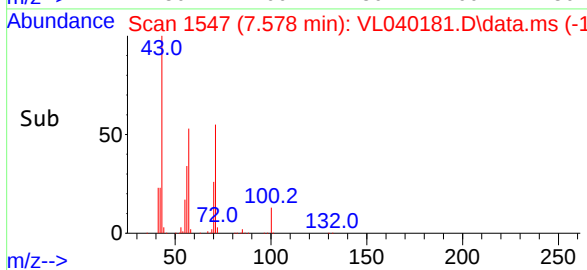
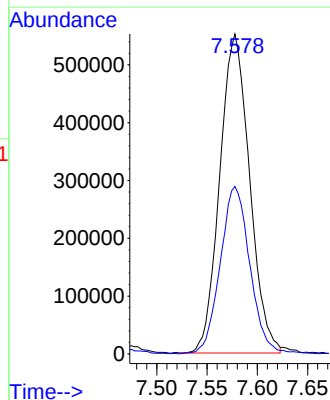
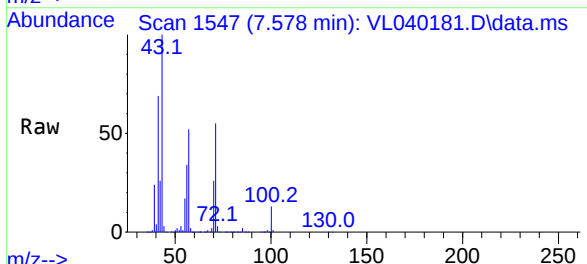
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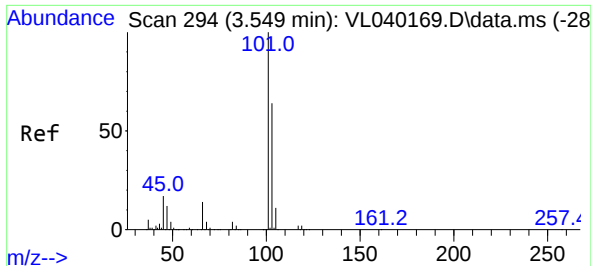
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Ion Ratio Lower Upper
41 100
42 70.3 56.9 85.3



#10
Heptane
Concen: 10.816 ppbv
RT: 7.578 min Scan# 1547
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 43 Resp: 1138208
Ion Ratio Lower Upper
43 100
57 52.3 41.4 62.2

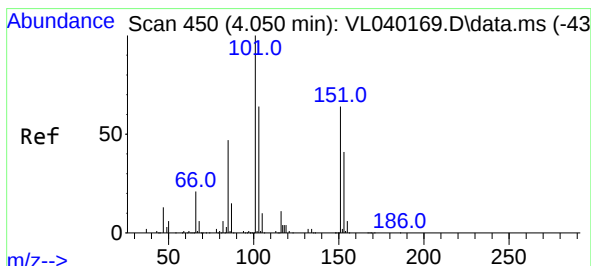
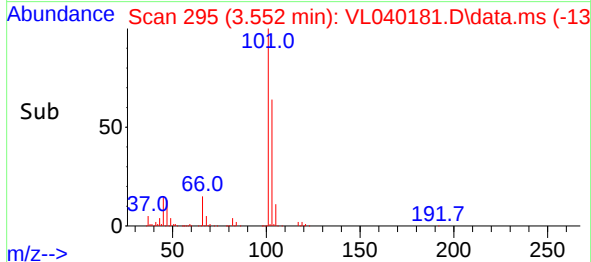
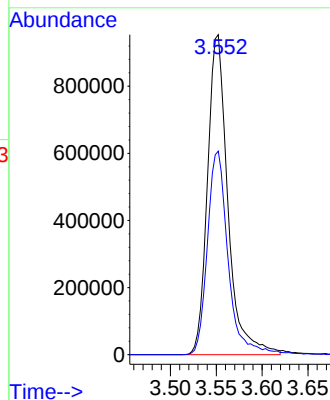
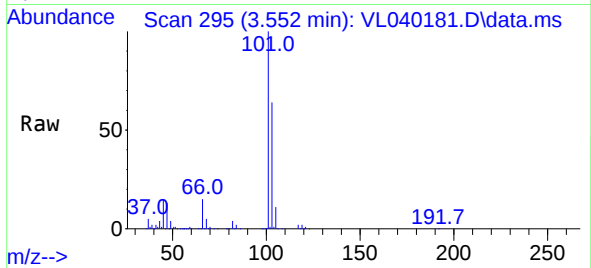




#11
 Trichlorofluoromethane
 Concen: 9.690 ppbv
 RT: 3.552 min Scan# 294
 Delta R.T. 0.003 min
 Lab File: VL040181.D
 Acq: 16 Feb 2023 15:37

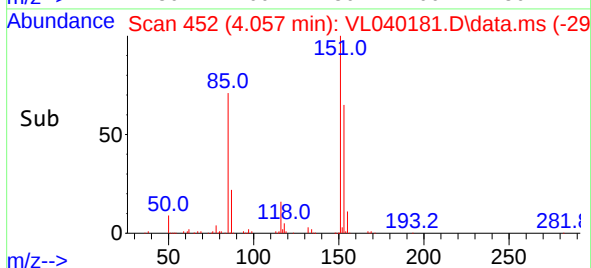
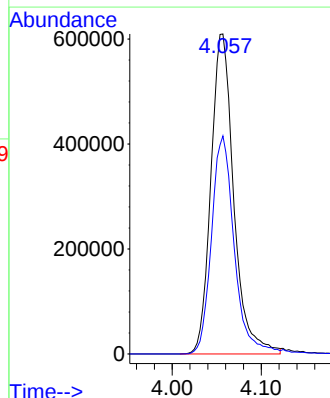
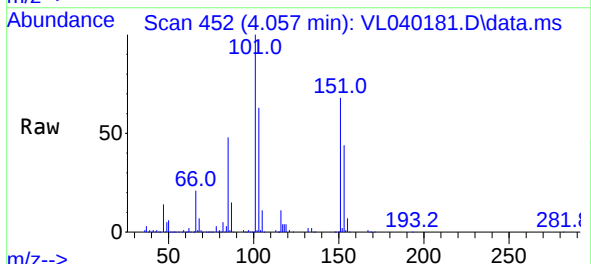
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

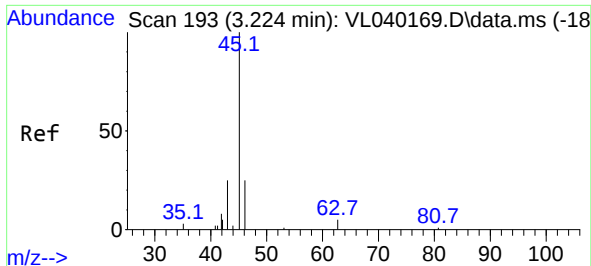
Tgt Ion:101 Resp: 1471291
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.698 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.007 min
 Lab File: VL040181.D
 Acq: 16 Feb 2023 15:37

Tgt Ion:101 Resp: 1086365
 Ion Ratio Lower Upper
 101 100
 151 68.6 54.7 82.1

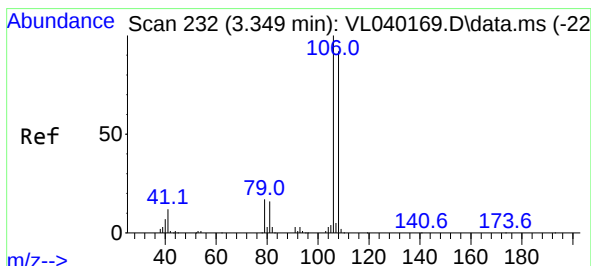
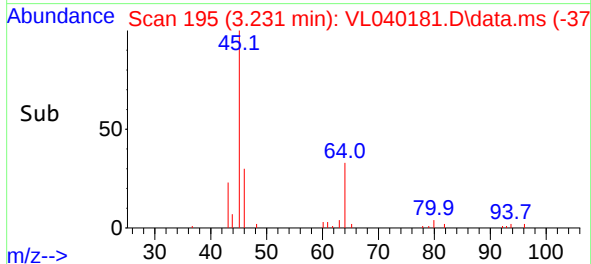
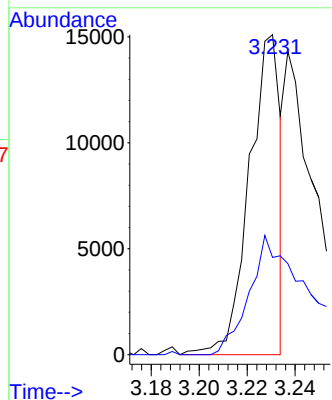
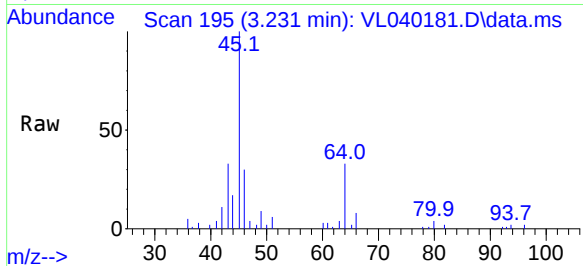




#13
Ethanol
Concen: 3.316 ppbv
RT: 3.231 min Scan# 193
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

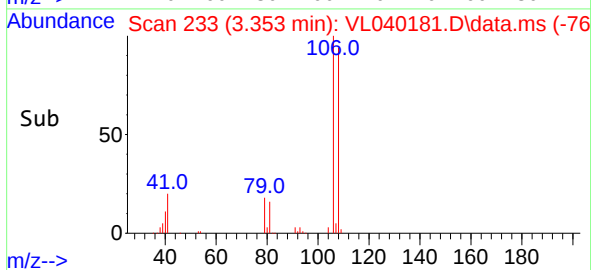
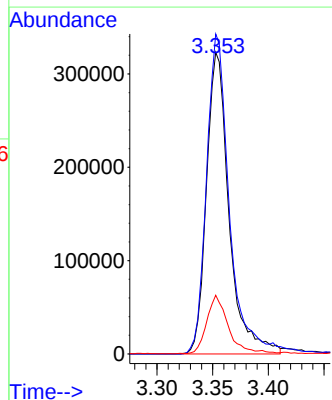
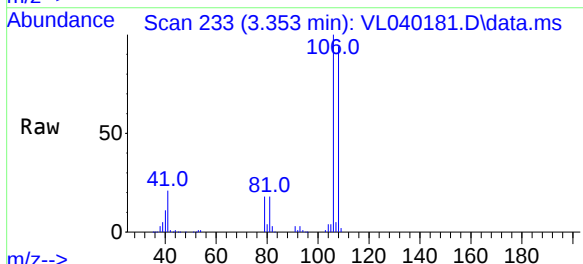
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

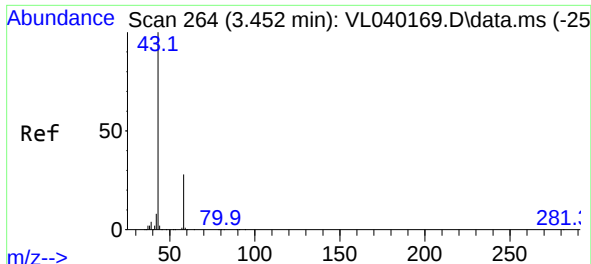
Tgt Ion: 45 Resp: 13498
Ion Ratio Lower Upper
45 100
46 82.0 13.3 53.1#



#14
Bromoethene
Concen: 10.625 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:108 Resp: 456390
Ion Ratio Lower Upper
108 100
106 109.1 87.1 130.7
79 19.5 15.4 23.2

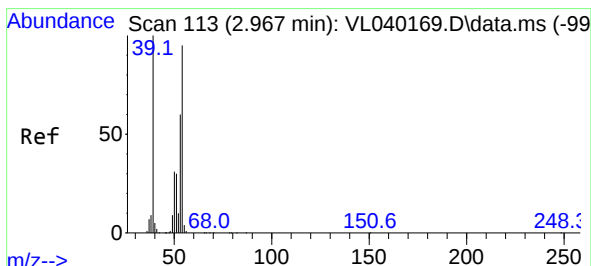
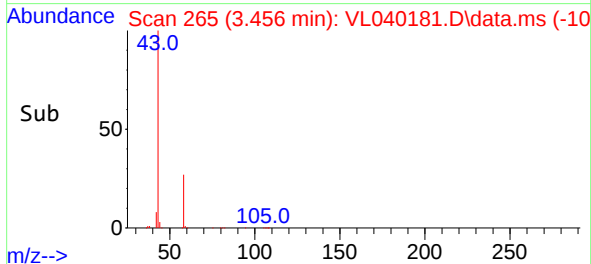
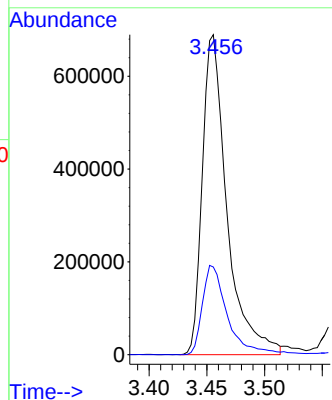
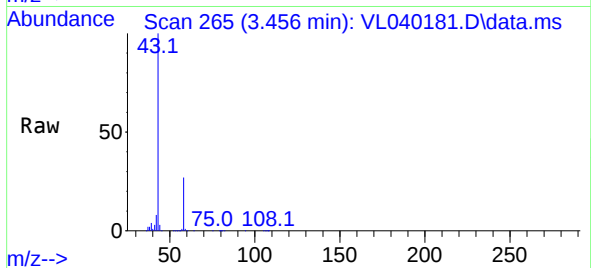




#15
Acetone
Concen: 9.361 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

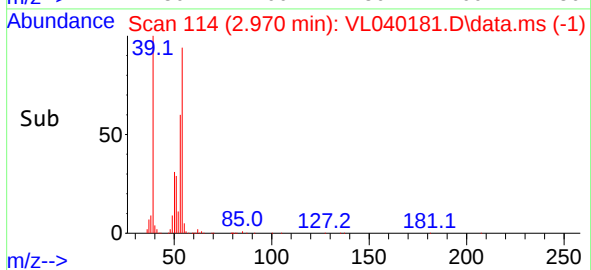
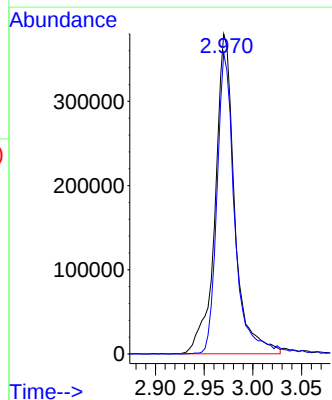
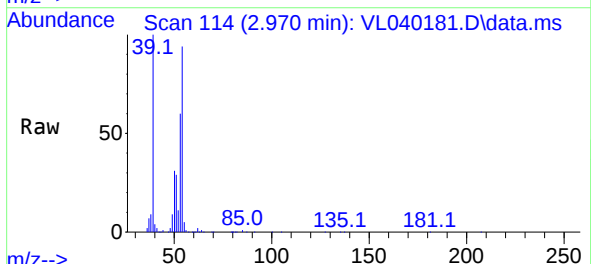
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

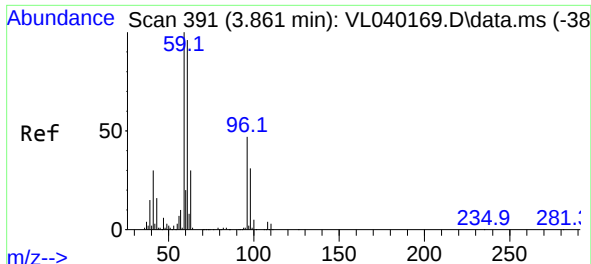
Tgt Ion: 43 Resp: 1023330
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6



#16
1,3-Butadiene
Concen: 10.608 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 39 Resp: 529589
Ion Ratio Lower Upper
39 100
54 86.8 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.655 ppbv

RT: 3.864 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

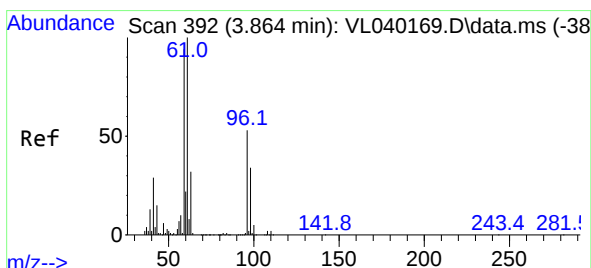
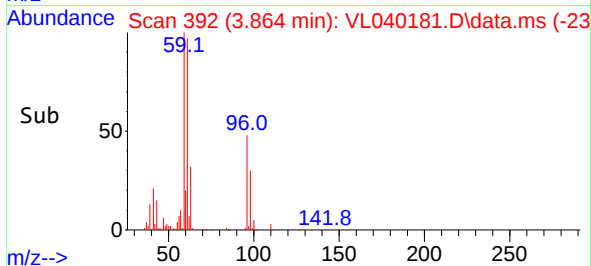
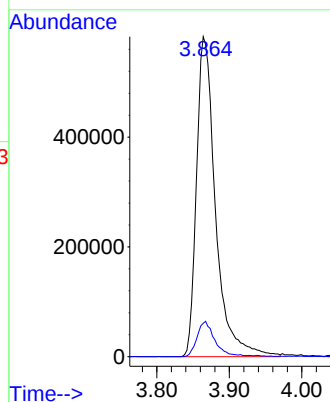
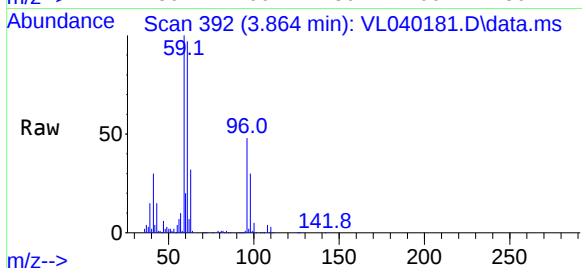
VSTDCCC010

Tgt Ion: 59 Resp: 1062212

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.313 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

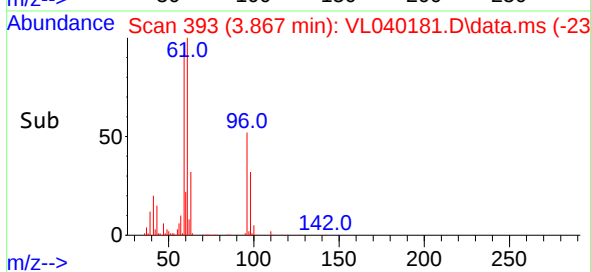
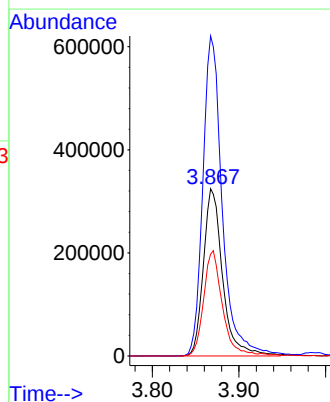
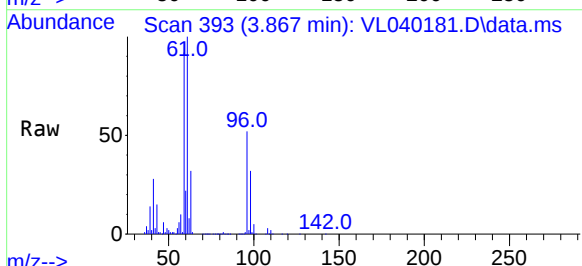
Tgt Ion: 96 Resp: 501936

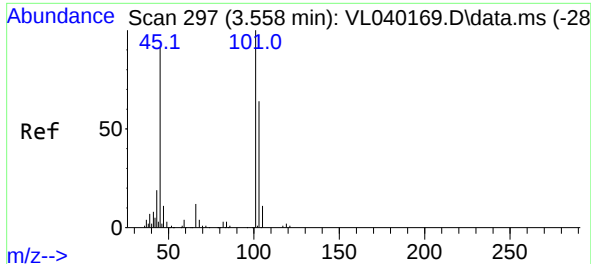
Ion Ratio Lower Upper

96 100

61 191.3 149.6 224.4

98 60.8 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.794 ppbv

RT: 3.562 min Scan# 297

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

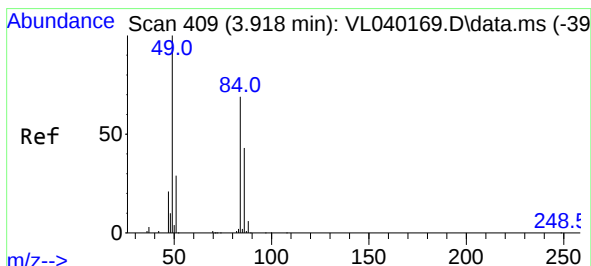
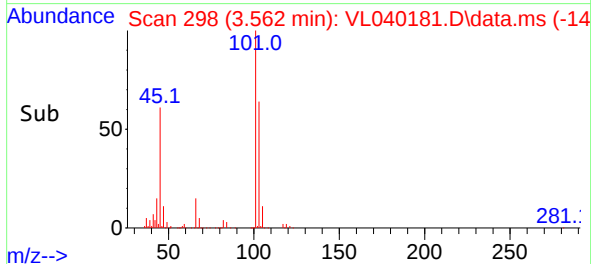
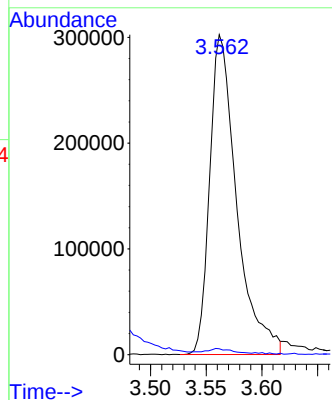
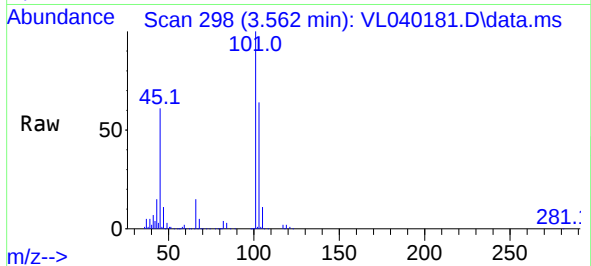
VSTDCCC010

Tgt Ion: 45 Resp: 508940

Ion Ratio Lower Upper

45 100

58 2.3 2.6 3.8#



#20

Methylene Chloride

Concen: 7.314 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Tgt Ion: 84 Resp: 416240

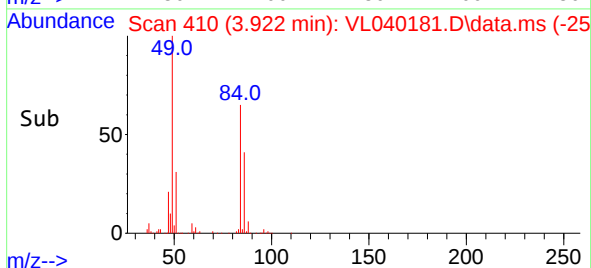
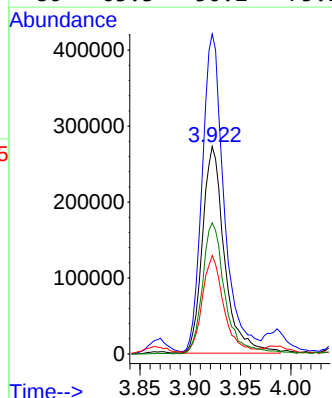
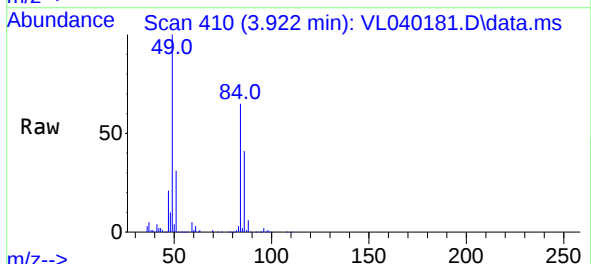
Ion Ratio Lower Upper

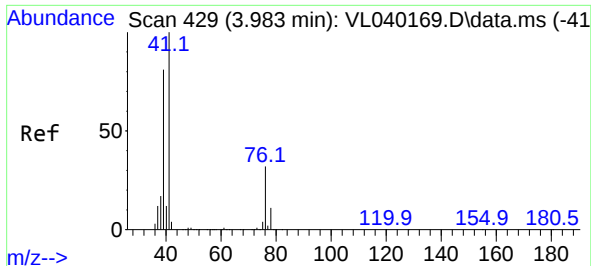
84 100

49 153.5 115.5 173.3

51 46.7 33.1 49.7

86 63.3 50.2 75.2





#21

Allyl Chloride

Concen: 11.036 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

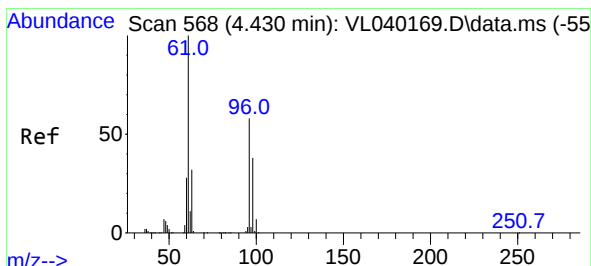
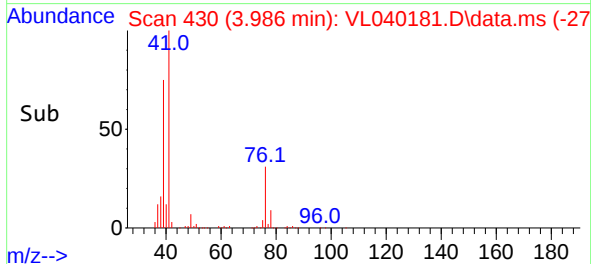
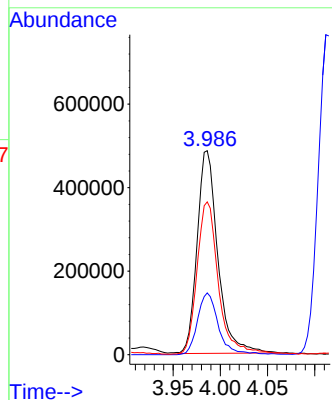
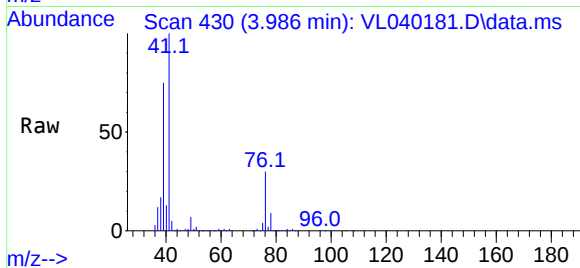
Tgt Ion: 41 Resp: 739936

Ion Ratio Lower Upper

41 100

76 30.8 25.5 38.3

39 78.1 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 10.248 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

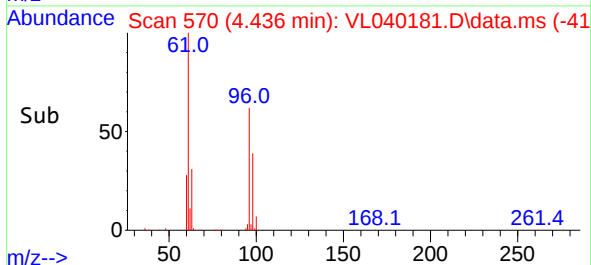
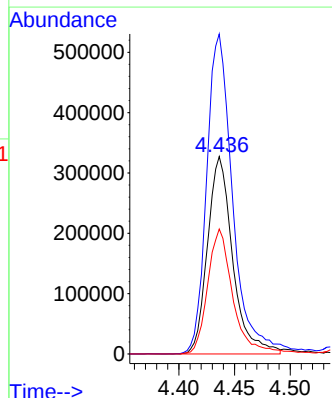
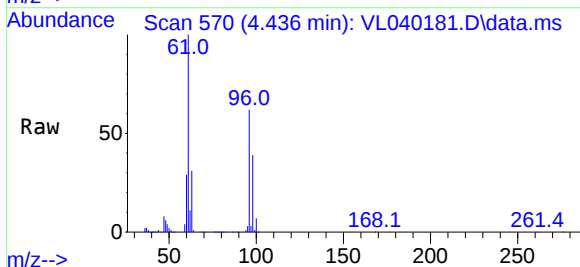
Tgt Ion: 96 Resp: 516483

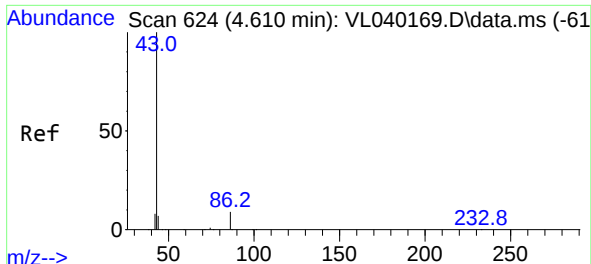
Ion Ratio Lower Upper

96 100

61 161.9 137.5 206.3

98 63.3 52.8 79.2



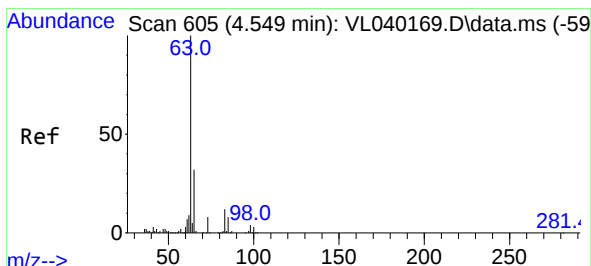
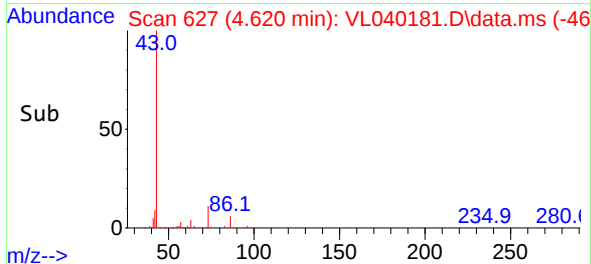
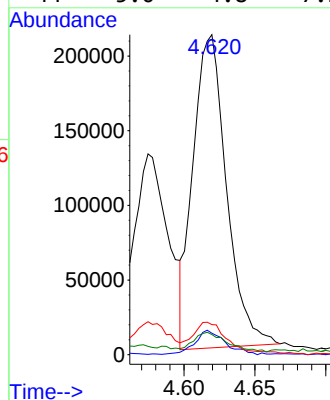
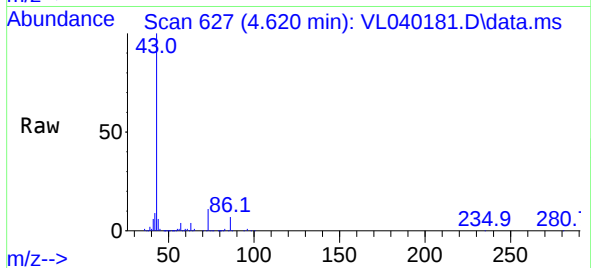


#23
 Vinyl Acetate
 Concen: 10.379 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040181.D
 Acq: 16 Feb 2023 15:37

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 344342

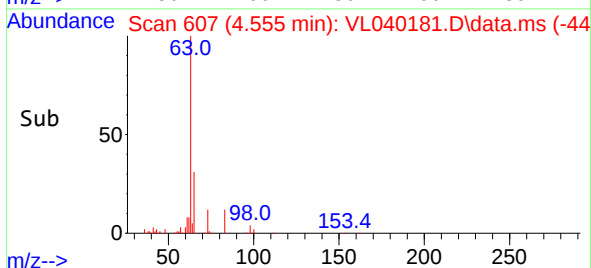
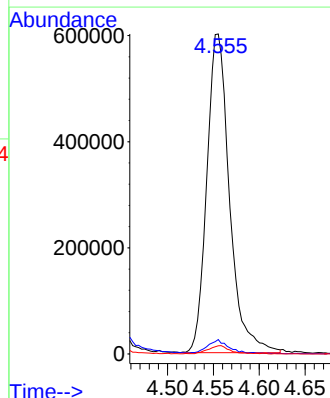
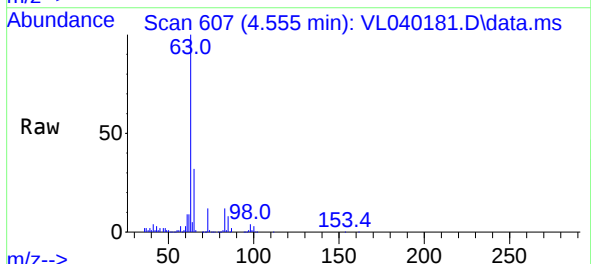
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.6	8.4
42	9.2	7.6	11.4
44	5.0	4.8	7.2

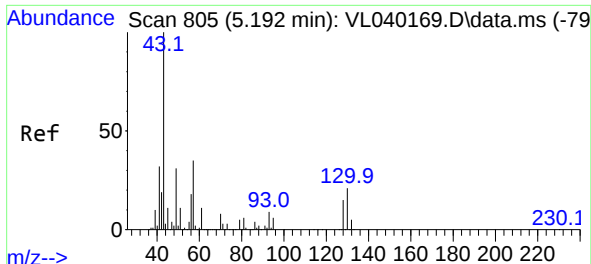


#24
 1,1-Dichloroethane
 Concen: 9.984 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.007 min
 Lab File: VL040181.D
 Acq: 16 Feb 2023 15:37

Tgt Ion: 63 Resp: 1035300

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	2.5	1.4	4.0



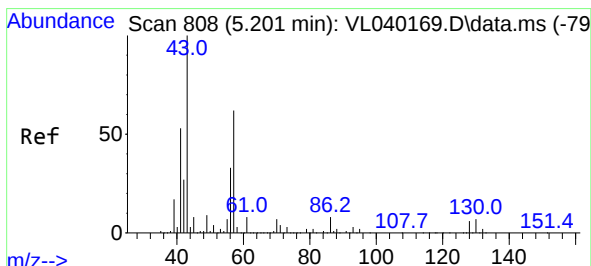
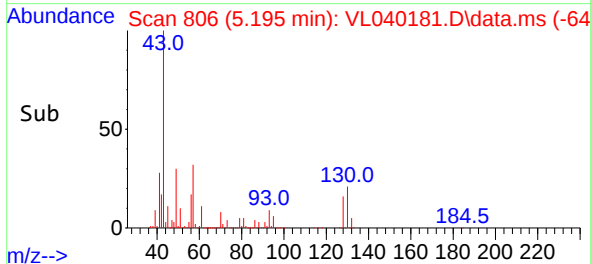
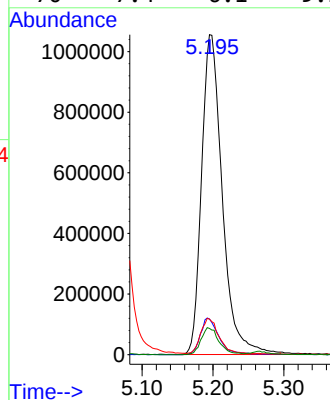
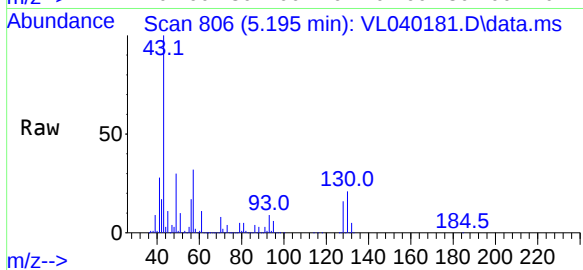


#25
Ethyl Acetate
Concen: 10.554 ppbv
RT: 5.195 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2144684

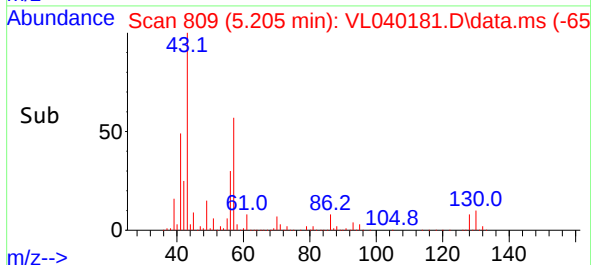
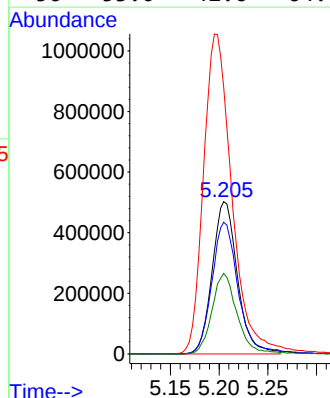
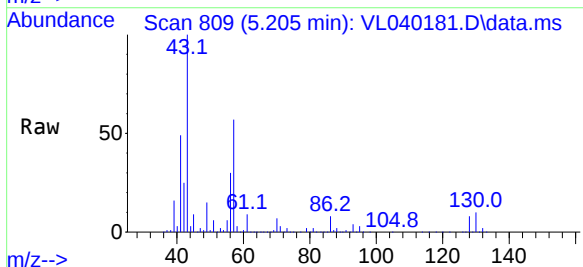
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	10.5	8.4	12.6
70	7.4	6.1	9.1

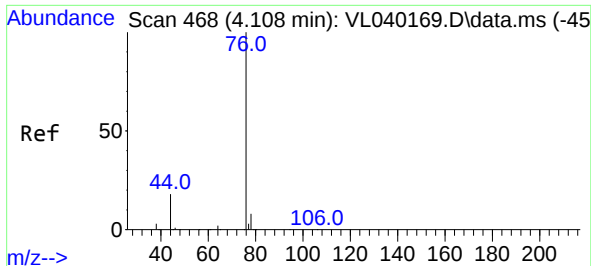


#26
Hexane
Concen: 10.378 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 57 Resp: 905363

Ion	Ratio	Lower	Upper
57	100		
41	91.3	74.3	111.5
43	238.7	193.0	289.4
56	53.0	42.6	64.0



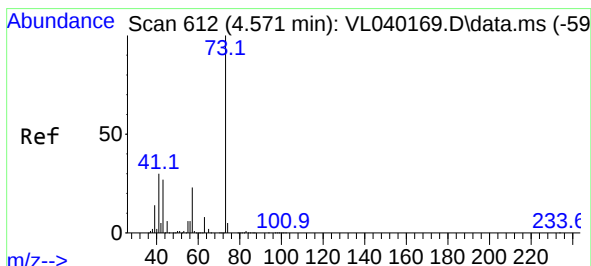
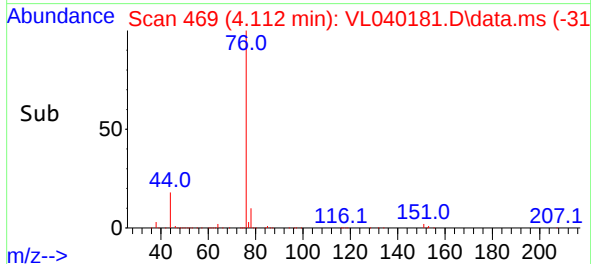
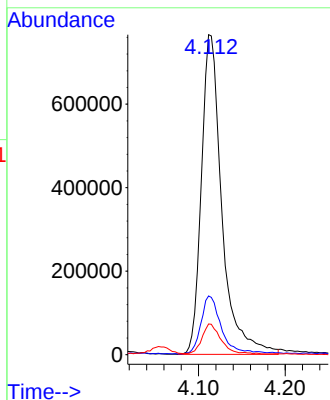
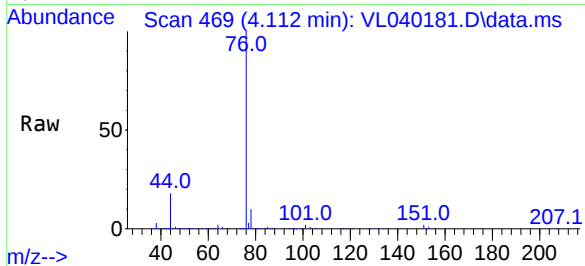


#27
Carbon Disulfide
Concen: 11.394 ppbv
RT: 4.112 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1261252

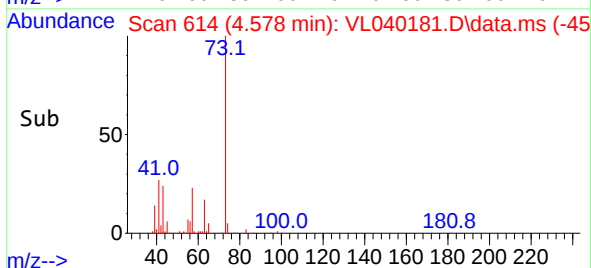
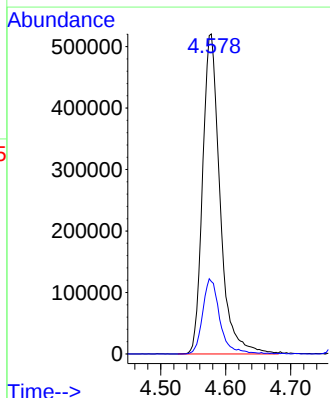
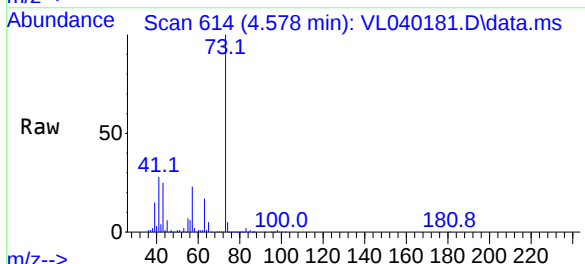
Ion	Ratio	Lower	Upper
76	100		
44	17.8	15.3	22.9
78	9.8	7.7	11.5

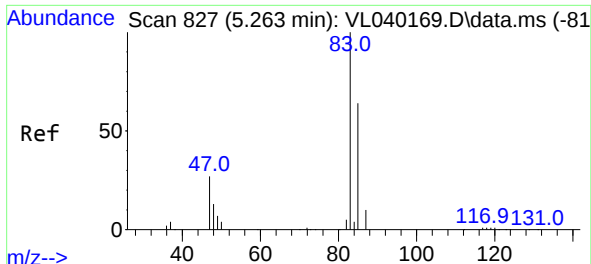


#28
Methyl tert-Butyl Ether
Concen: 10.404 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 73 Resp: 972548

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.8	28.2

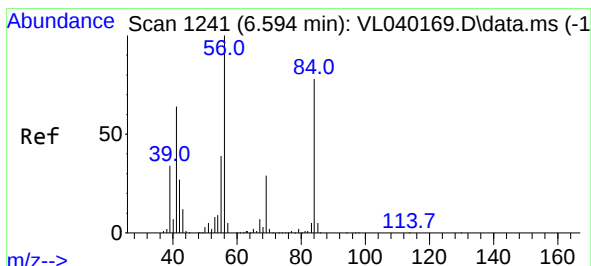
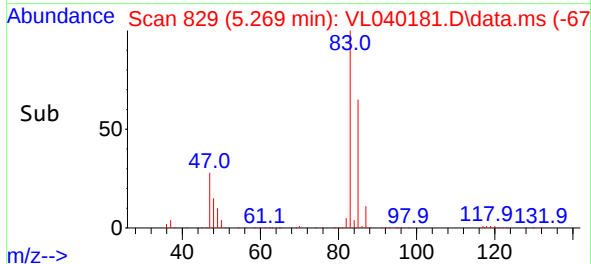
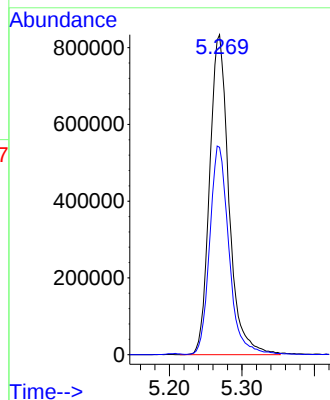
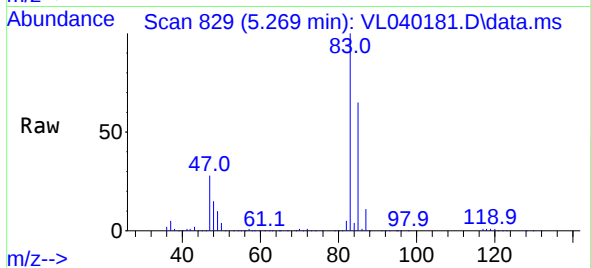




#29
Chloroform
Concen: 10.278 ppbv
RT: 5.269 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

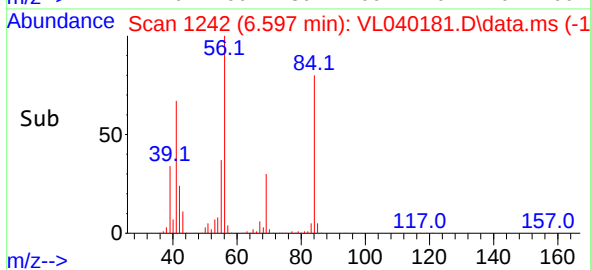
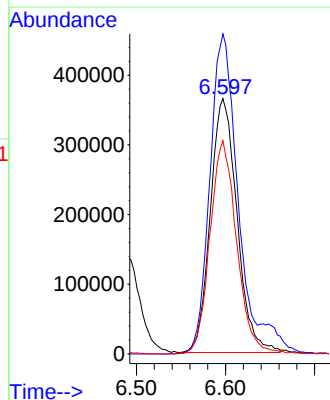
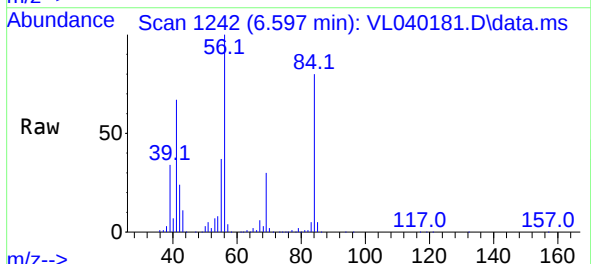
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

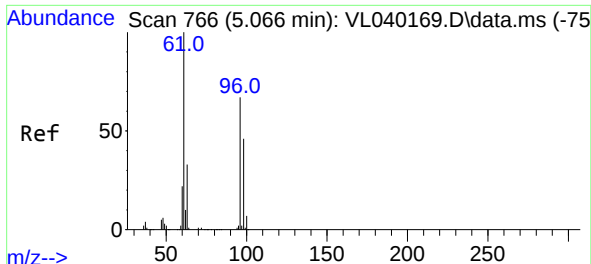
Tgt Ion: 83 Resp: 1539588
Ion Ratio Lower Upper
83 100
85 64.6 51.5 77.3



#30
Cyclohexane
Concen: 11.060 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 84 Resp: 757623
Ion Ratio Lower Upper
84 100
56 136.5 109.9 164.9
41 84.3 67.8 101.6

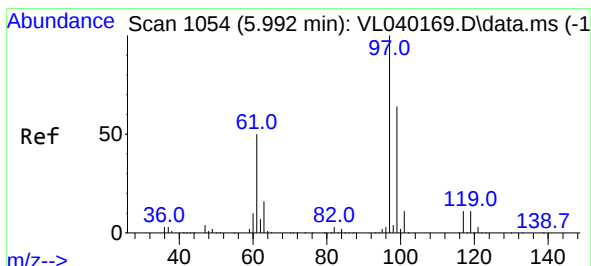
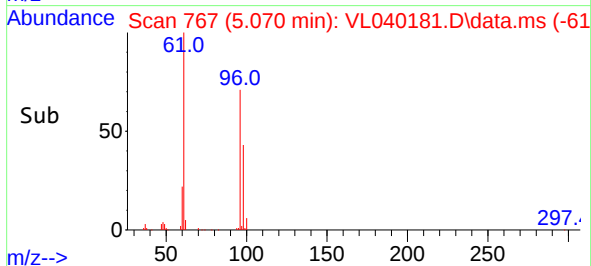
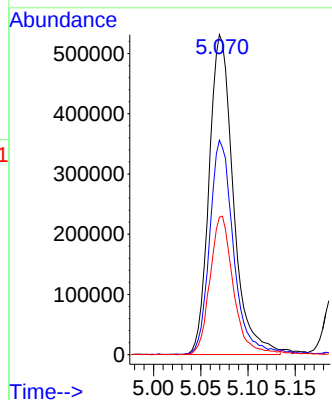
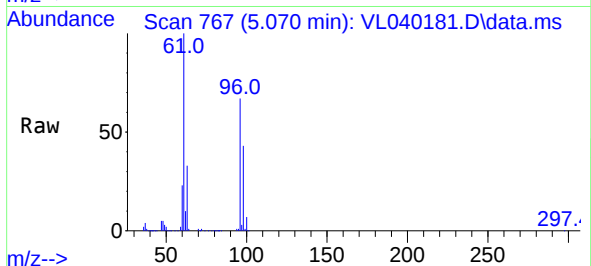




#31
cis-1,2-Dichloroethene
Concen: 11.407 ppbv
RT: 5.070 min Scan# 766
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

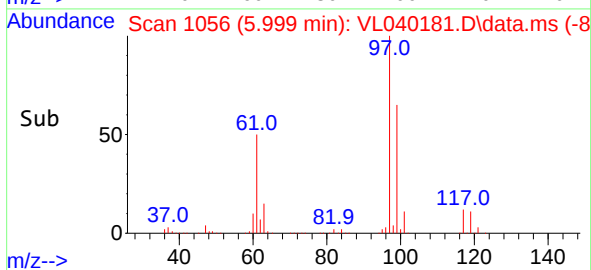
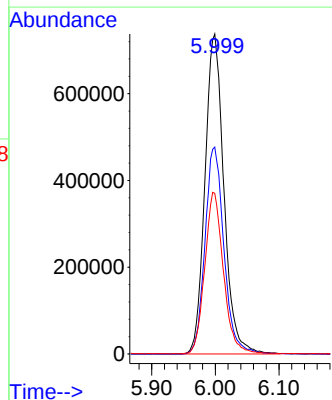
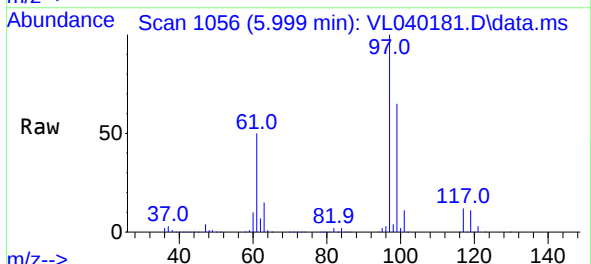
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

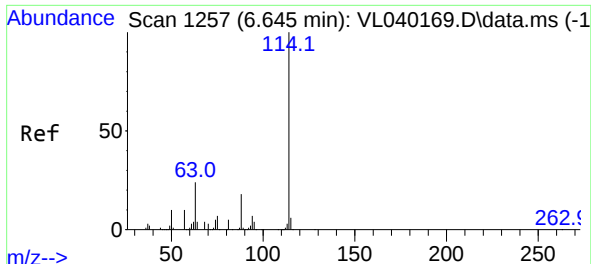
Tgt Ion: 61 Resp: 945486
Ion Ratio Lower Upper
61 100
96 67.0 53.7 80.5
98 42.9 36.4 54.6



#32
1,1,1-Trichloroethane
Concen: 10.843 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 97 Resp: 1526040
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 50.1 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

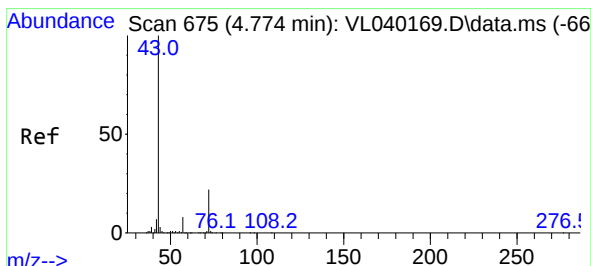
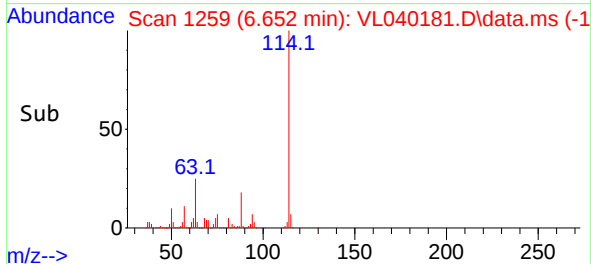
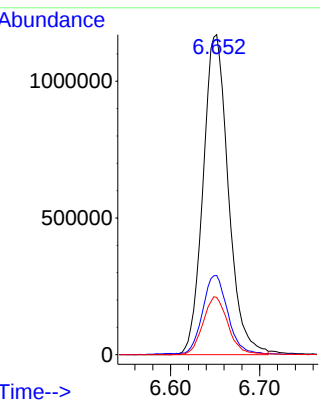
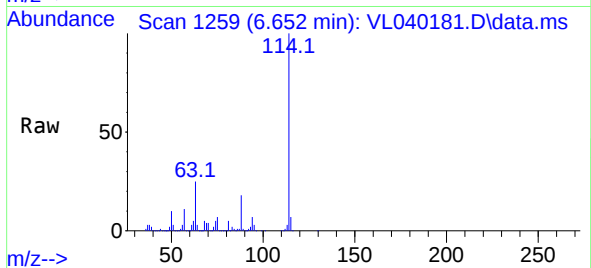
Tgt Ion:114 Resp: 2306004

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 10.111 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.000 min

Lab File: VL040181.D

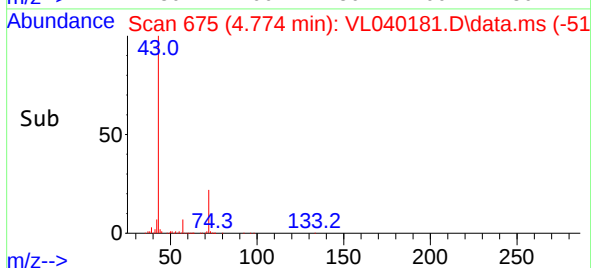
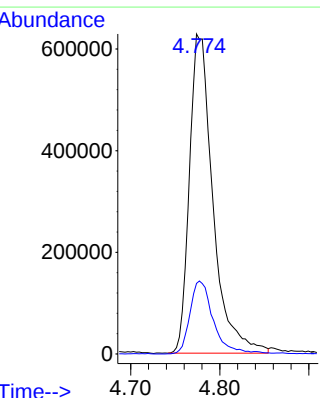
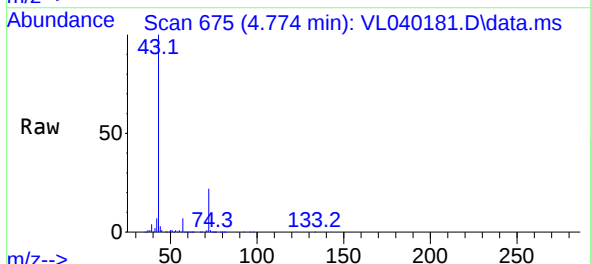
Acq: 16 Feb 2023 15:37

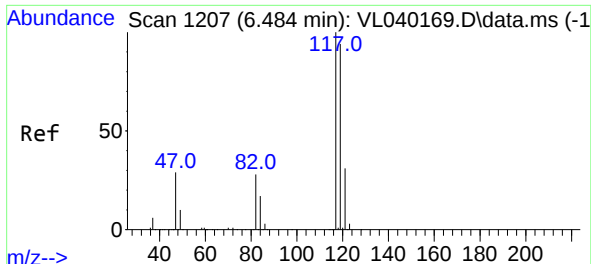
Tgt Ion: 43 Resp: 1150129

Ion Ratio Lower Upper

43 100

72 23.0 17.8 26.8

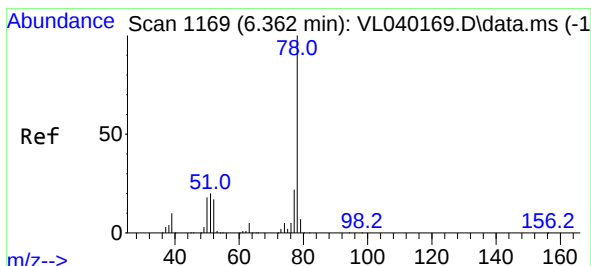
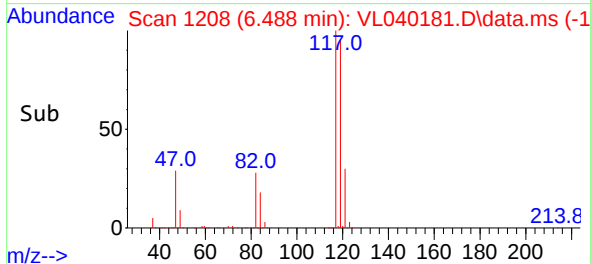
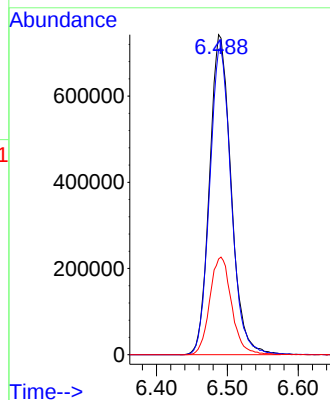
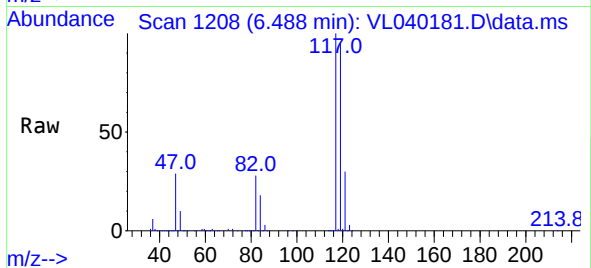




#35
Carbon Tetrachloride
Concen: 11.506 ppbv
RT: 6.488 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

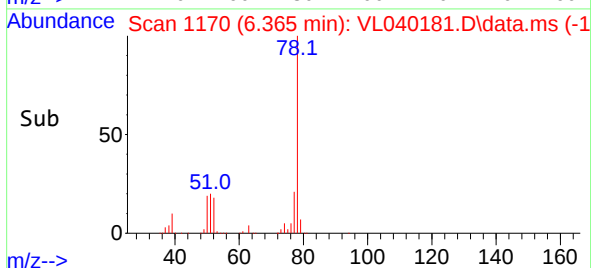
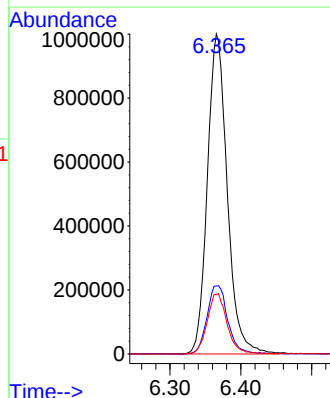
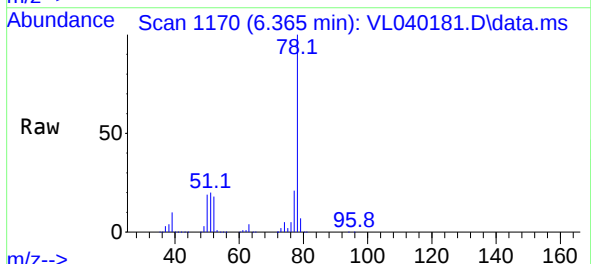
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

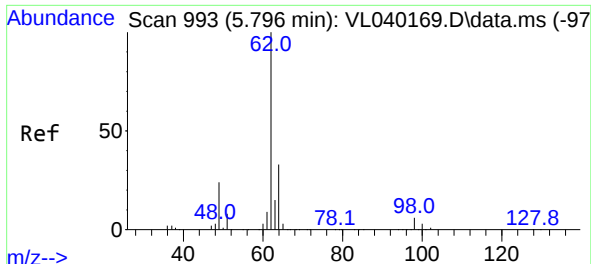
Tgt Ion:117 Resp: 1568550
Ion Ratio Lower Upper
117 100
119 95.4 75.0 112.6
121 29.9 25.0 37.4



#36
Benzene
Concen: 10.855 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 78 Resp: 1948062
Ion Ratio Lower Upper
78 100
77 21.2 17.5 26.3
50 18.5 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.462 ppbv

RT: 5.803 min Scan# 993

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

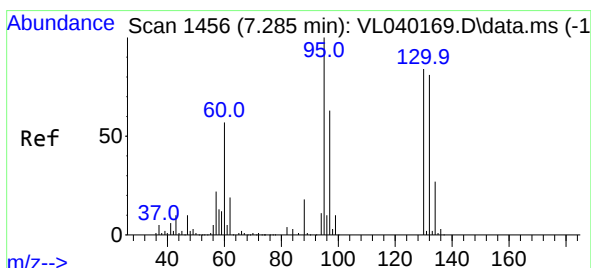
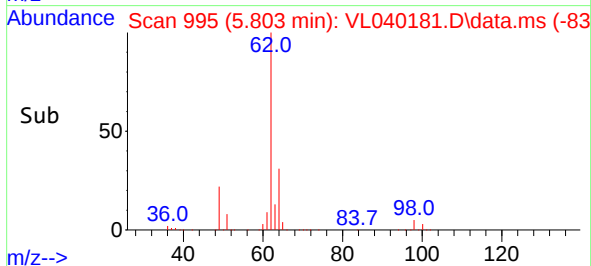
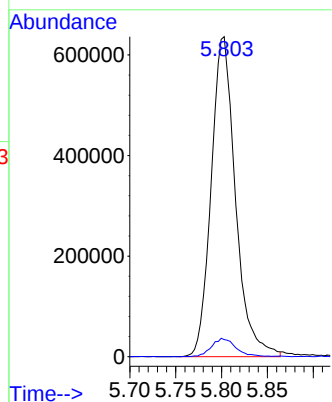
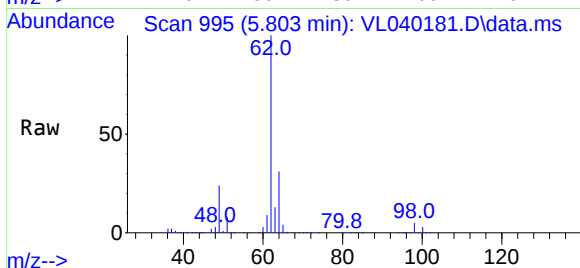
VSTDCCC010

Tgt Ion: 62 Resp: 1174188

Ion Ratio Lower Upper

62 100

98 5.9 4.7 7.1



#38

Trichloroethene

Concen: 11.546 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Tgt Ion:130 Resp: 1141741

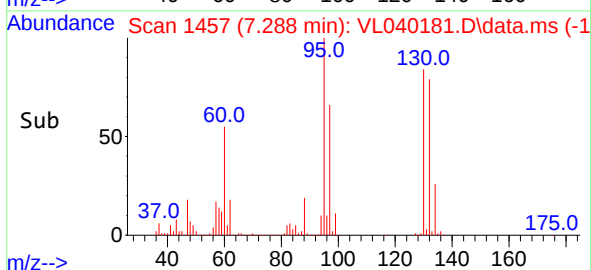
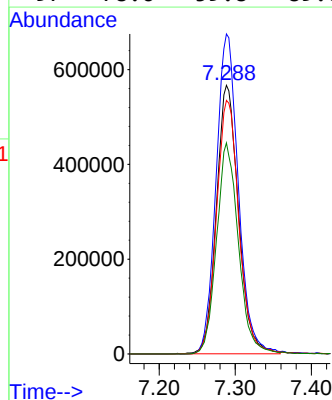
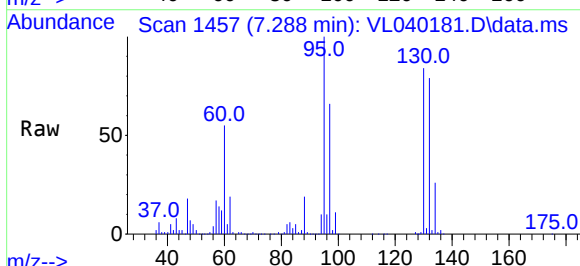
Ion Ratio Lower Upper

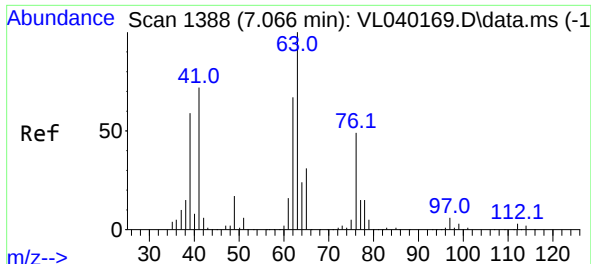
130 100

95 119.2 94.7 142.1

132 94.4 76.4 114.6

97 78.6 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.526 ppbv

RT: 7.070 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

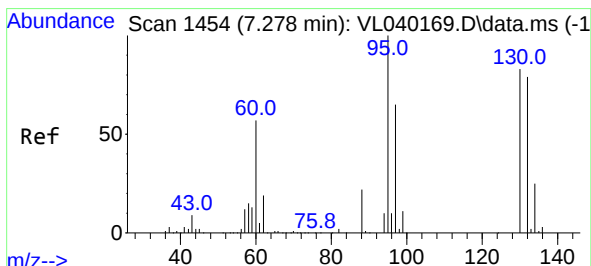
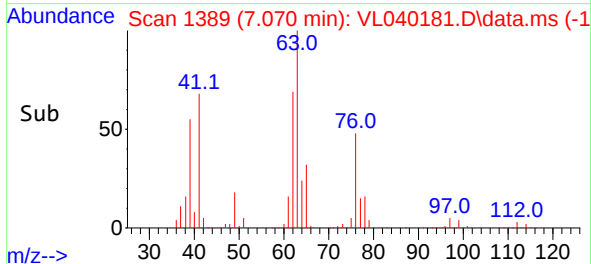
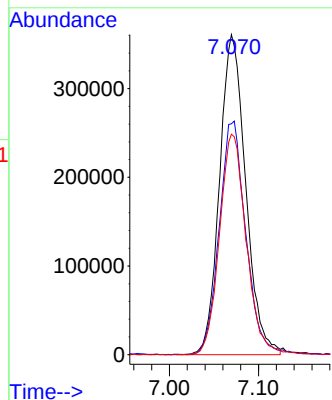
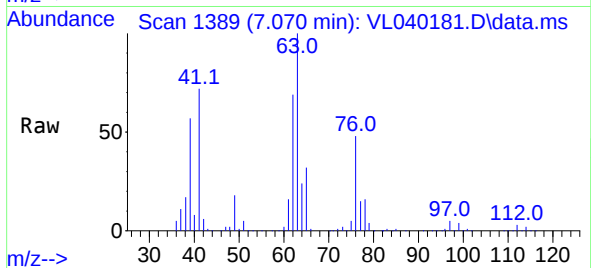
Tgt Ion: 63 Resp: 734846

Ion Ratio Lower Upper

63 100

41 72.0 57.6 86.4

62 68.8 54.0 81.0



#40

1,4-Dioxane

Concen: 10.507 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Tgt Ion: 88 Resp: 293409

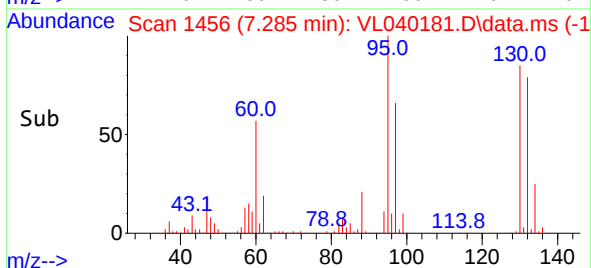
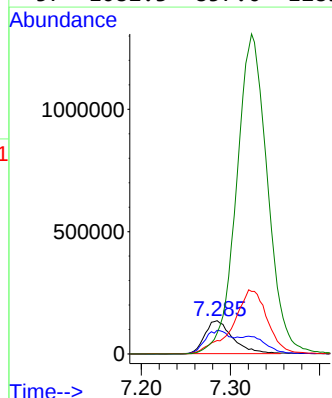
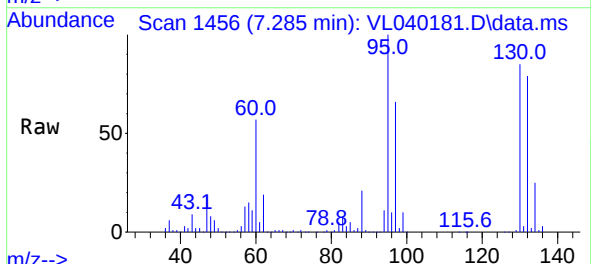
Ion Ratio Lower Upper

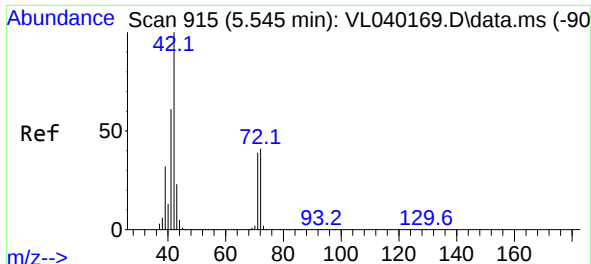
88 100

58 122.1 97.4 146.0

43 240.6 193.5 290.3

57 1082.3 857.0 1285.6

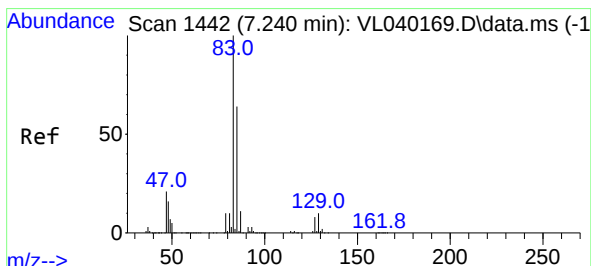
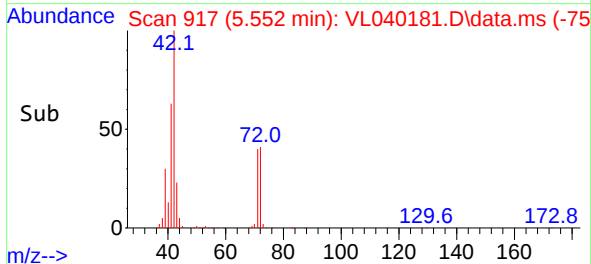
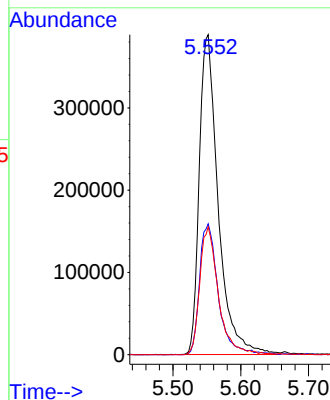
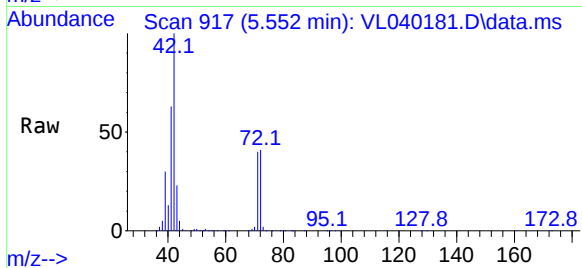




#41
Tetrahydrofuran
Concen: 11.428 ppbv
RT: 5.552 min Scan# 915
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

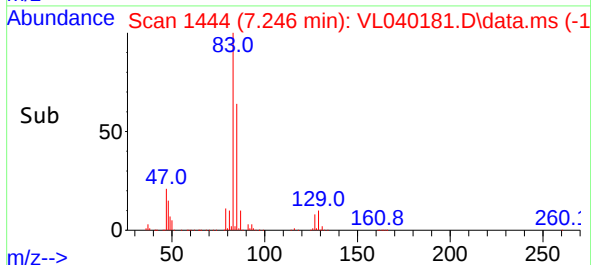
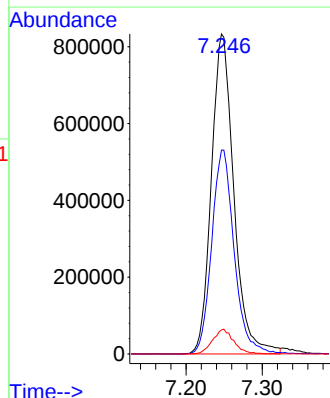
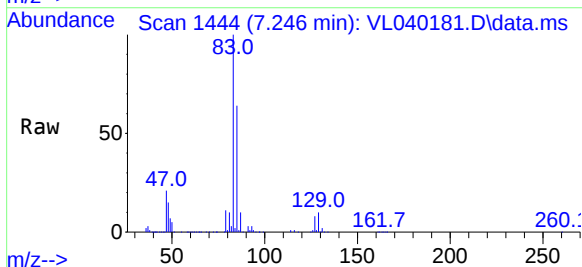
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

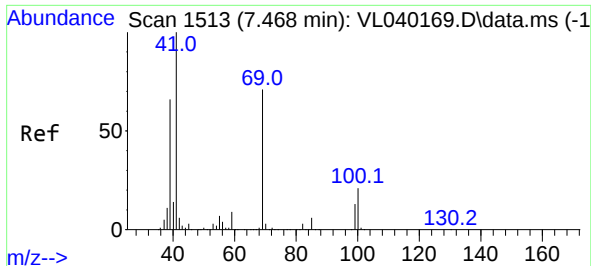
Tgt Ion: 42 Resp: 753354
Ion Ratio Lower Upper
42 100
72 40.7 33.0 49.4
71 39.7 31.4 47.2



#42
Bromodichloromethane
Concen: 11.045 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 83 Resp: 1711117
Ion Ratio Lower Upper
83 100
85 63.7 50.9 76.3
127 7.5 6.2 9.2

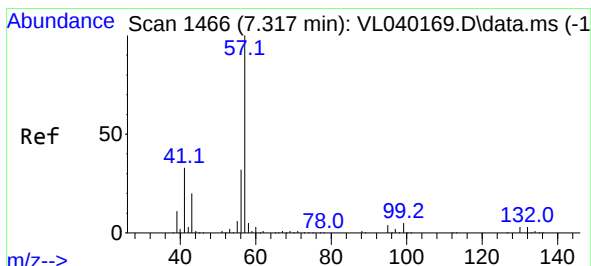
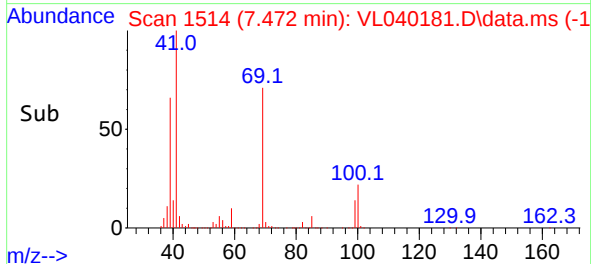
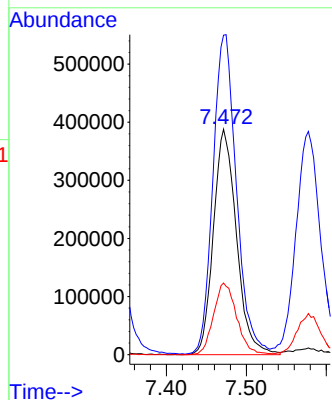
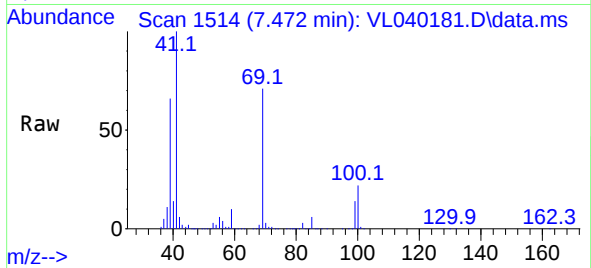




#43
Methyl Methacrylate
Concen: 11.679 ppbv
RT: 7.472 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

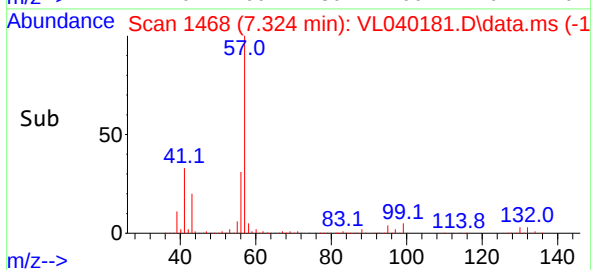
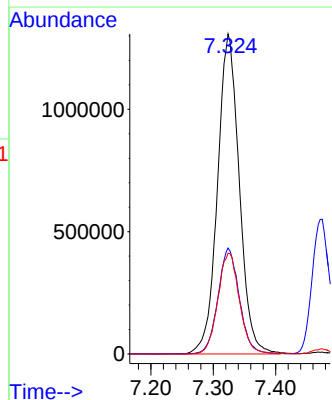
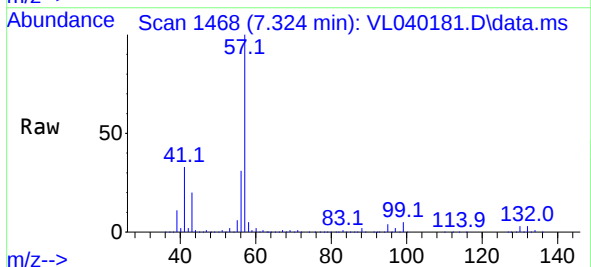
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

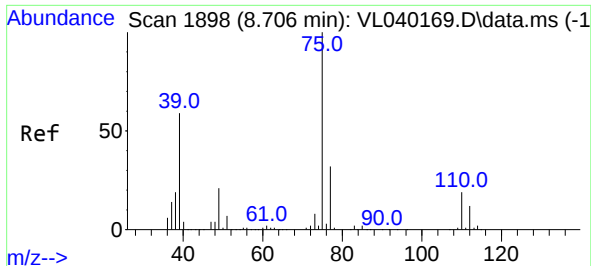
Tgt Ion: 69 Resp: 775525
Ion Ratio Lower Upper
69 100
41 144.3 116.6 174.8
100 31.9 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.583 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 57 Resp: 3170274
Ion Ratio Lower Upper
57 100
41 32.5 26.2 39.4
56 31.2 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 12.763 ppbv

RT: 8.709 min Scan# 1898

Delta R.T. 0.003 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

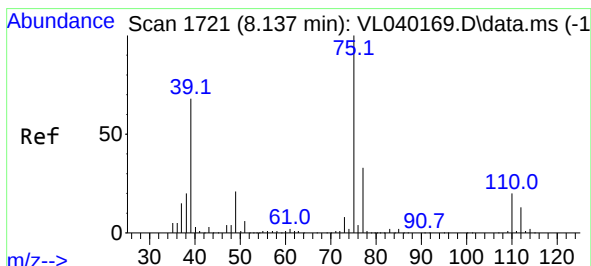
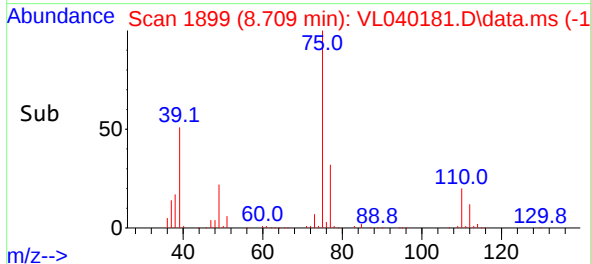
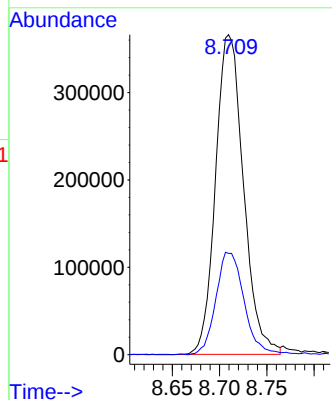
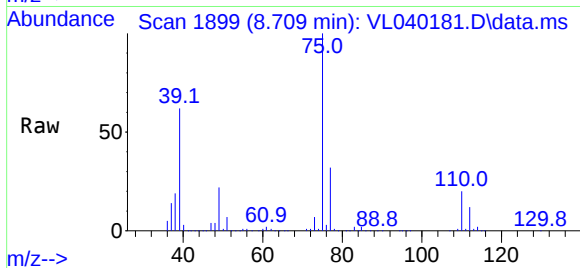
VSTDCCC010

Tgt Ion: 75 Resp: 751775

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 12.364 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.003 min

Lab File: VL040181.D

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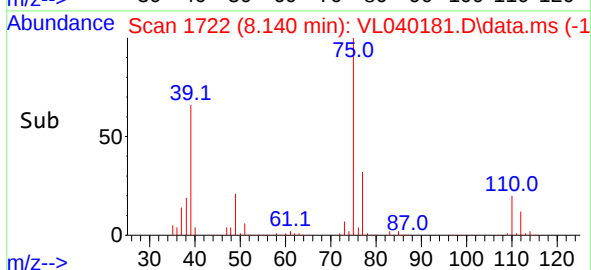
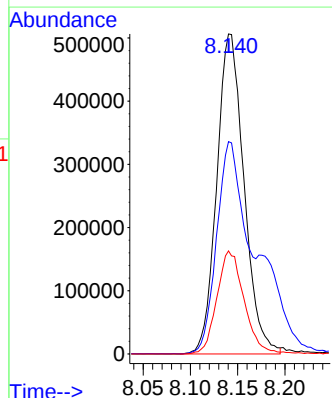
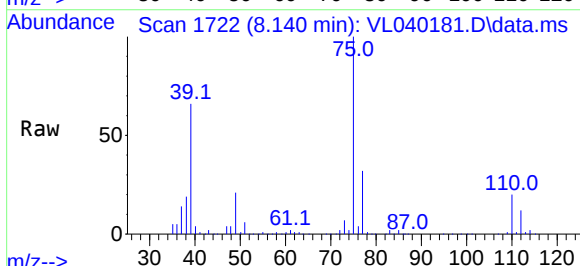
Tgt Ion: 75 Resp: 1014615

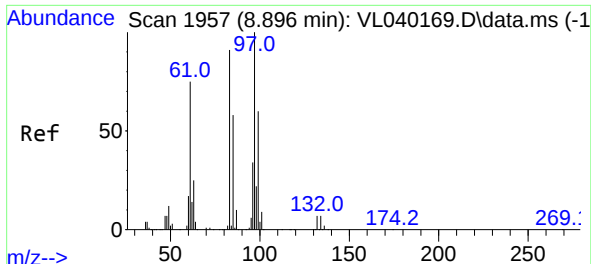
Ion Ratio Lower Upper

75 100

39 66.3 54.2 81.2

77 32.2 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.689 ppbv

RT: 8.902 min Scan# 1957

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 807103

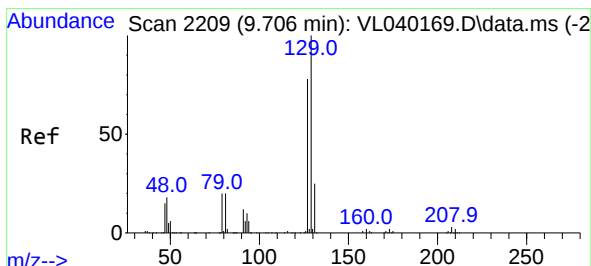
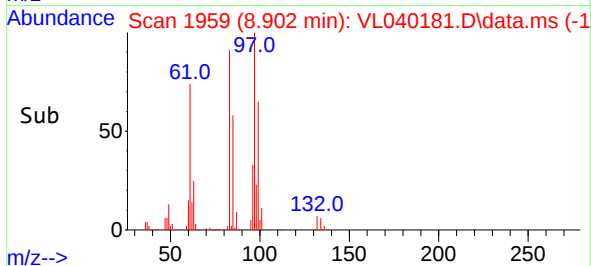
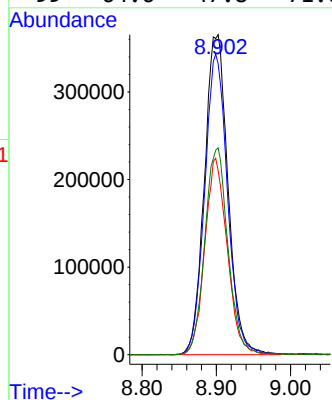
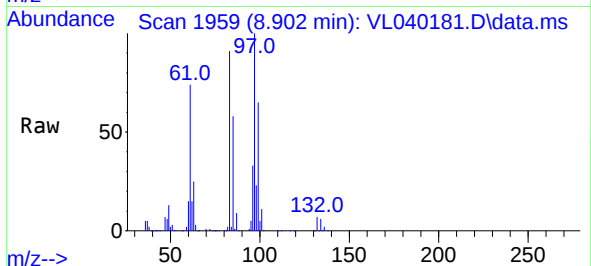
Ion Ratio Lower Upper

97 100

83 90.7 72.8 109.2

85 57.4 46.6 69.8

99 64.6 47.8 71.6



#48

Dibromochloromethane

Concen: 11.363 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VL040181.D

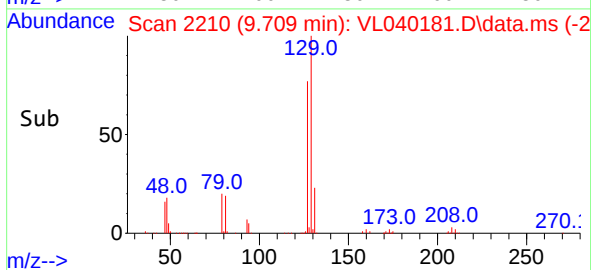
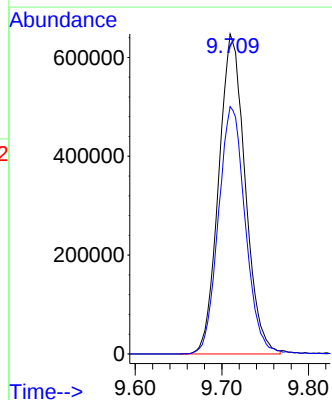
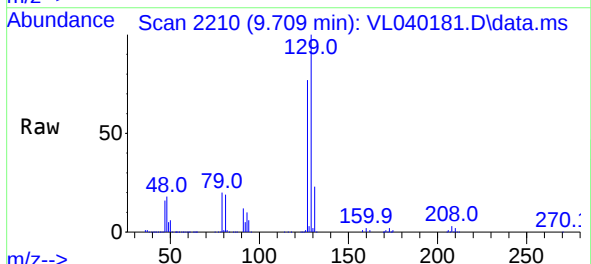
Acq: 16 Feb 2023 15:37

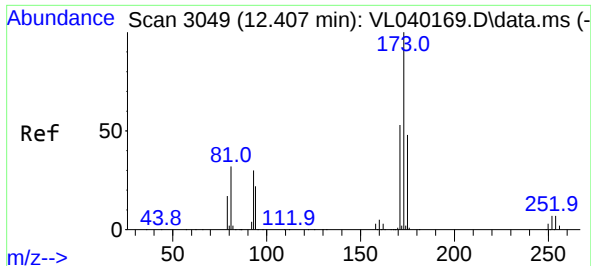
Tgt Ion: 129 Resp: 1372331

Ion Ratio Lower Upper

129 100

127 78.8 39.1 117.2

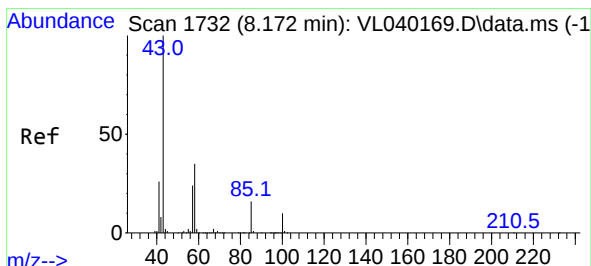
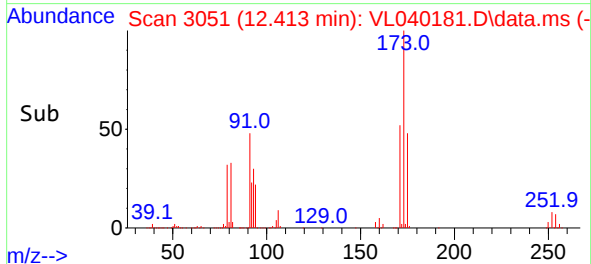
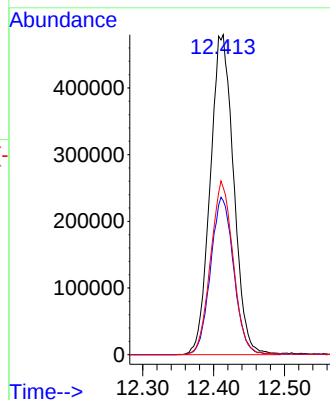
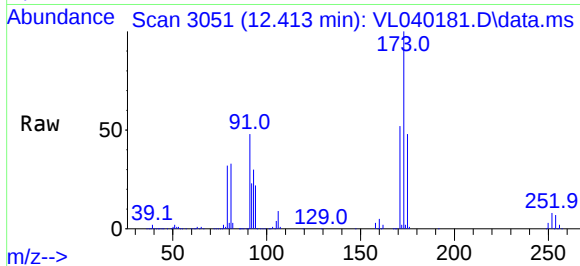




#49
Bromoform
Concen: 11.704 ppbv
RT: 12.413 min Scan# 3049
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

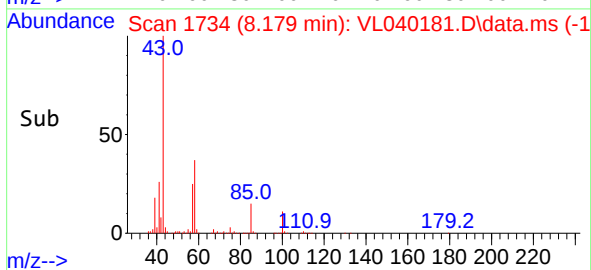
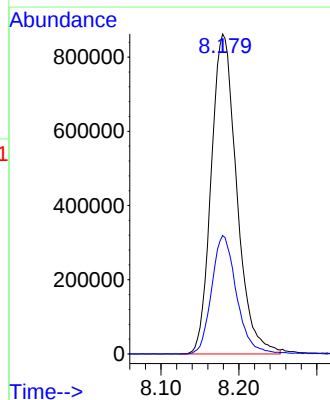
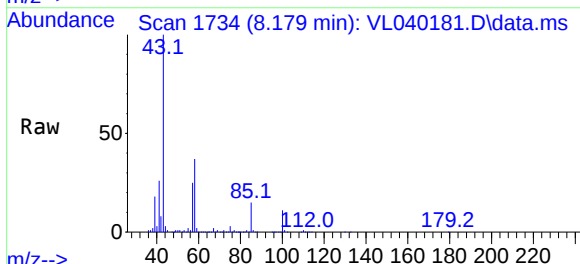
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

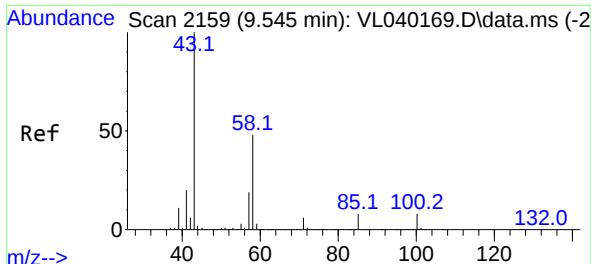
Tgt Ion:173 Resp: 1103310
Ion Ratio Lower Upper
173 100
175 48.8 39.4 59.0
171 52.4 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 11.117 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 43 Resp: 1963572
Ion Ratio Lower Upper
43 100
58 36.4 29.2 43.8

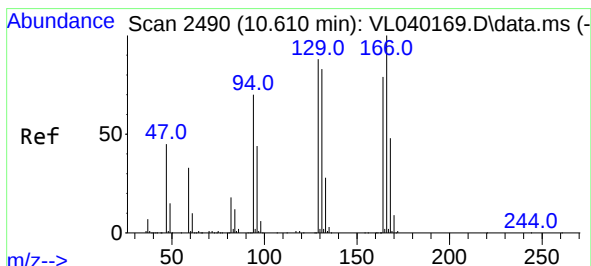
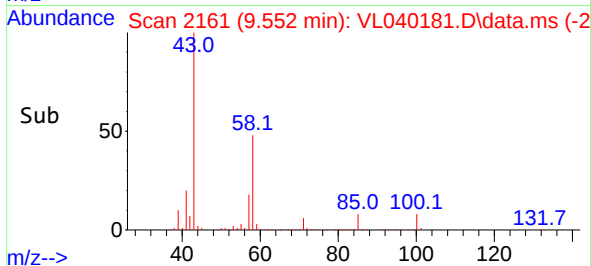
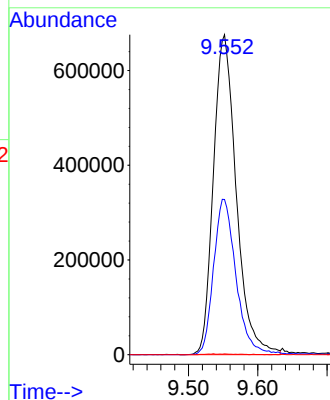
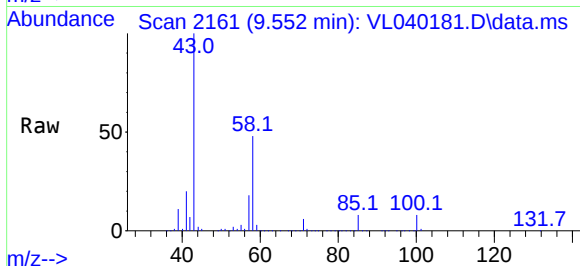




#51
2-Hexanone
Concen: 11.388 ppbv
RT: 9.552 min Scan# 2159
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

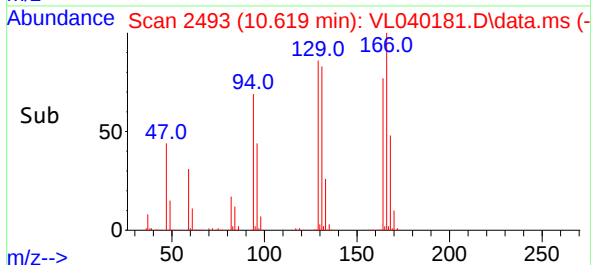
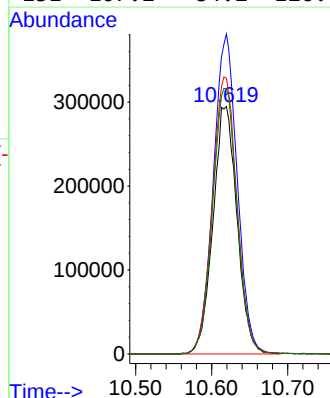
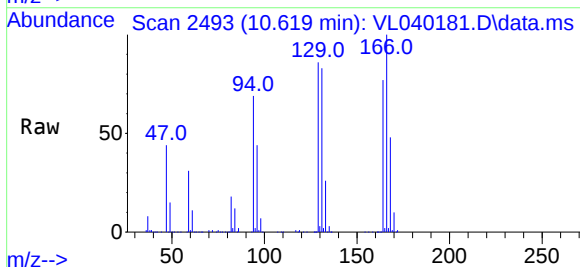
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

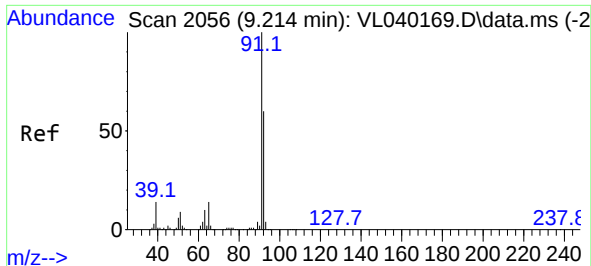
Tgt Ion: 43 Resp: 1546900
Ion Ratio Lower Upper
43 100
58 48.1 39.1 58.7
98 0.4 0.2 0.4



#52
Tetrachloroethene
Concen: 11.583 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.010 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 164 Resp: 649109
Ion Ratio Lower Upper
164 100
166 129.3 101.5 152.3
129 111.4 89.0 133.4
131 107.2 84.2 126.4

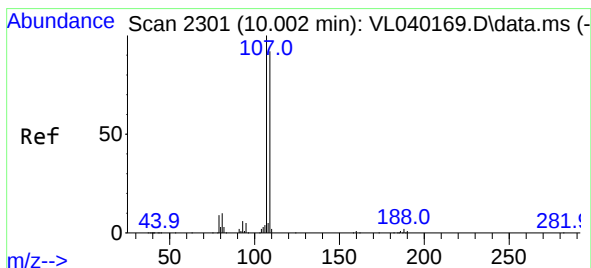
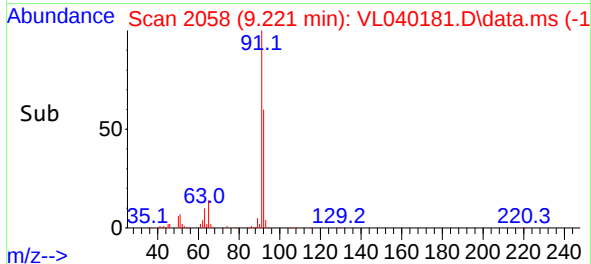
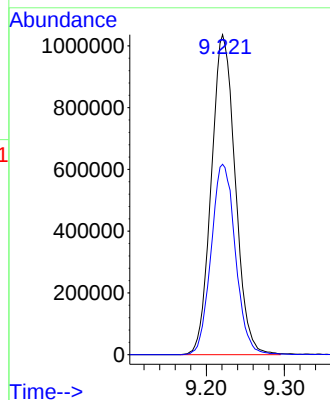
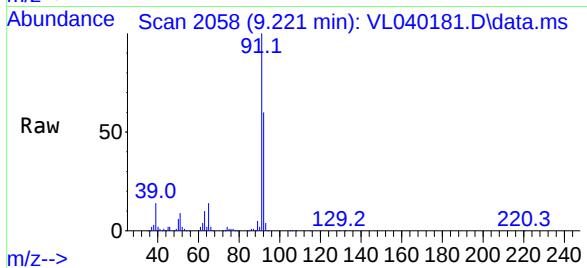




#53
Toluene
Concen: 11.485 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

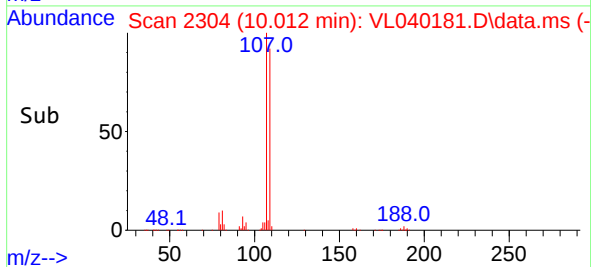
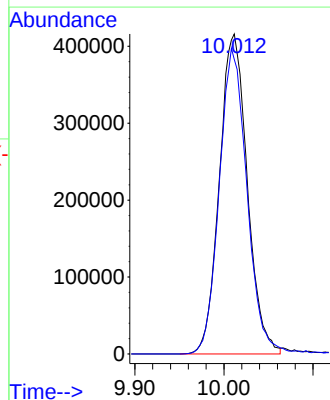
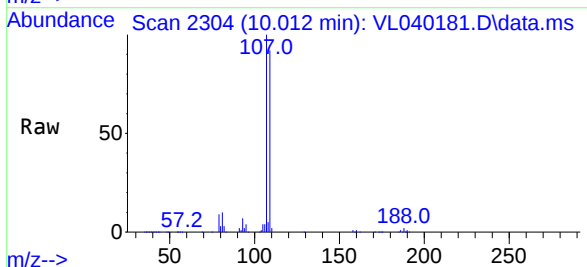
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

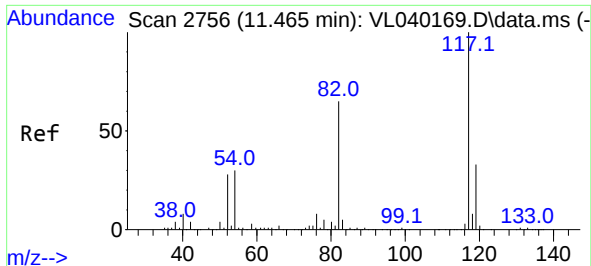
Tgt Ion: 91 Resp: 2207547
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.513 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.010 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 107 Resp: 904498
Ion Ratio Lower Upper
107 100
109 92.1 73.8 110.8

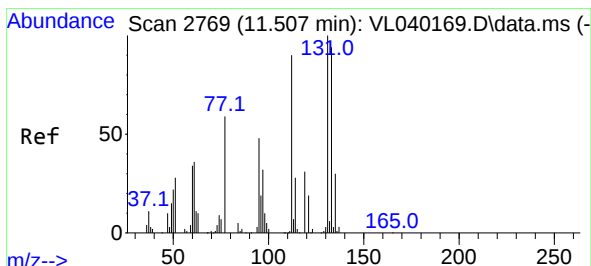
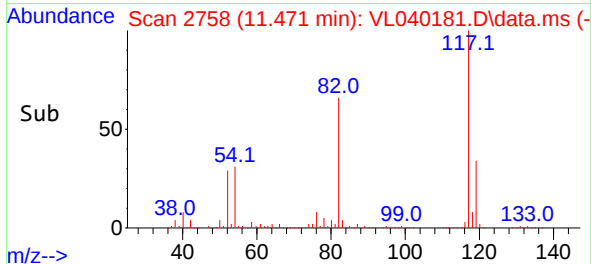
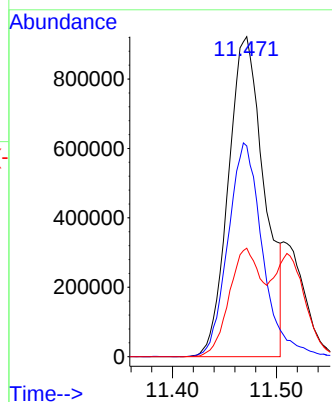
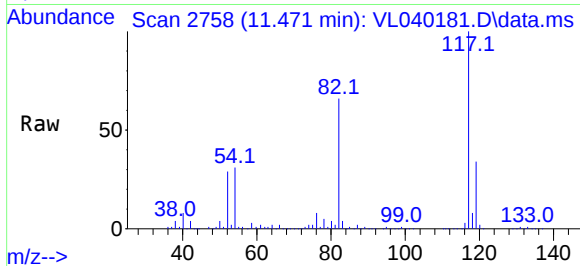




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2756
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

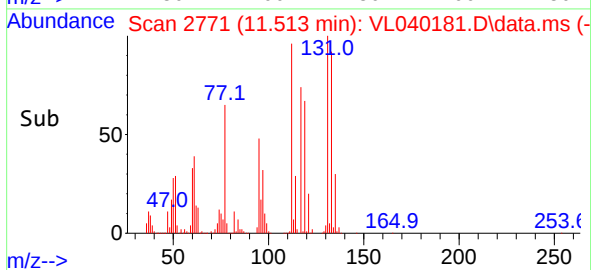
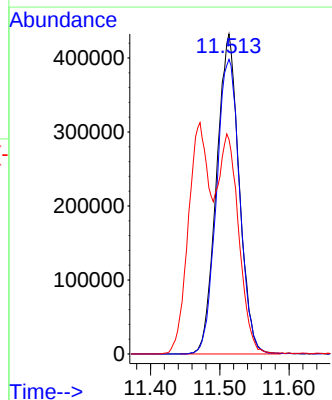
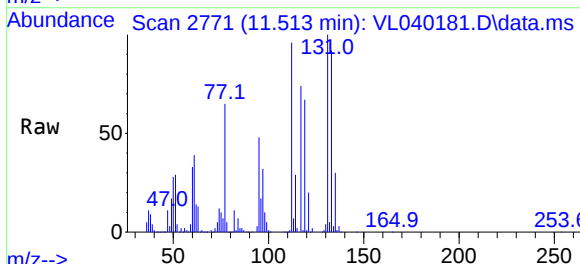
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

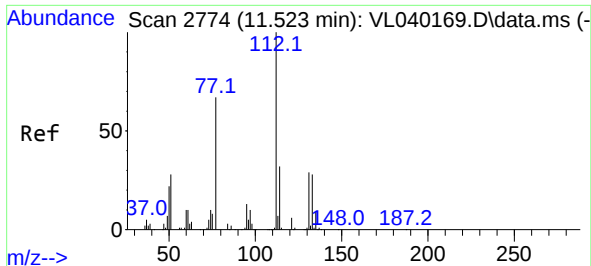
Tgt Ion:117 Resp: 2211993
Ion Ratio Lower Upper
117 100
82 64.6 53.3 79.9
119 28.7 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 10.530 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:131 Resp: 977748
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.2
119 60.4 45.4 68.0

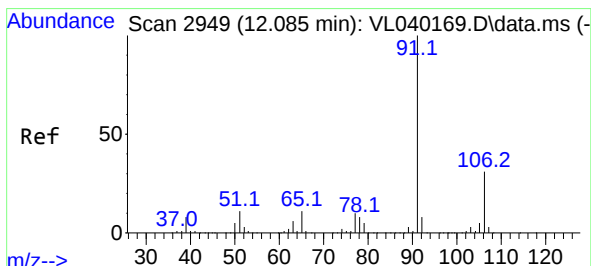
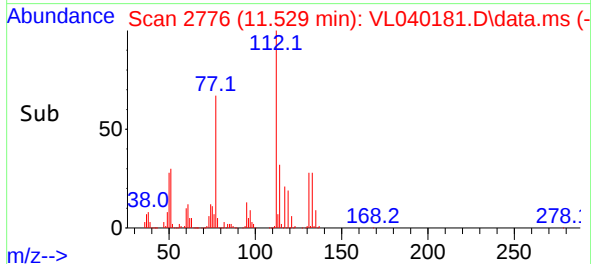
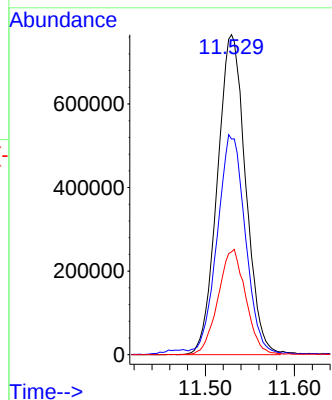
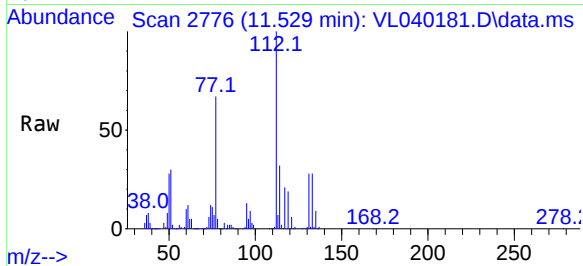




#57
Chlorobenzene
Concen: 10.453 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

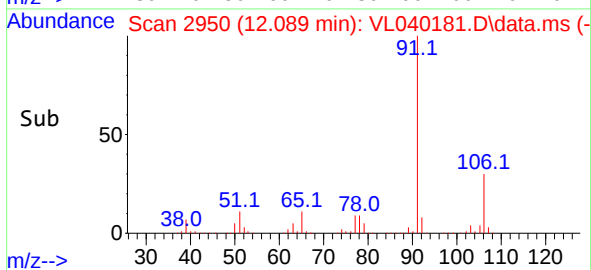
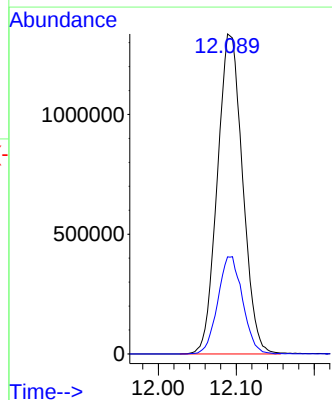
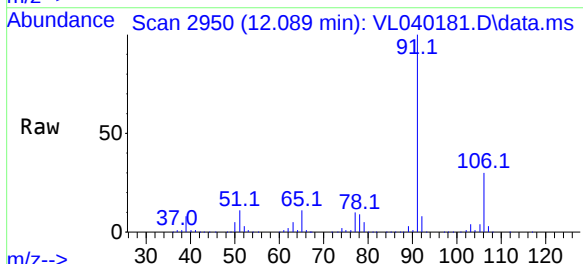
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

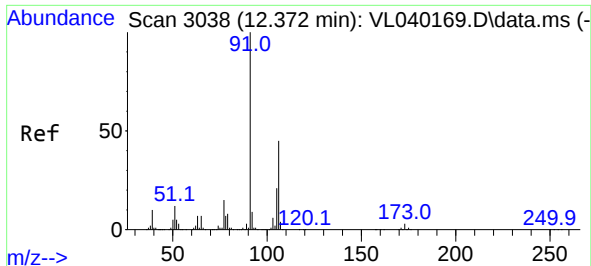
Tgt Ion:112 Resp: 1689334
Ion Ratio Lower Upper
112 100
77 66.7 55.0 82.4
114 32.0 29.0 35.4



#58
Ethyl Benzene
Concen: 11.194 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 91 Resp: 3008538
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3





#59

m/p-Xylene

Concen: 12.452 ppbv

RT: 12.378 min Scan# 3038

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

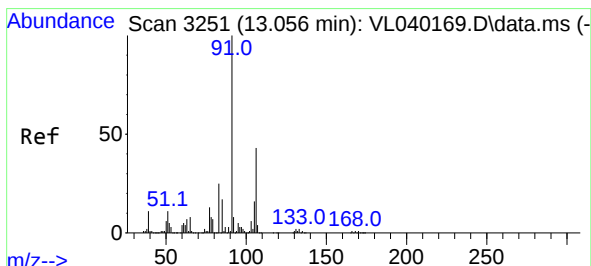
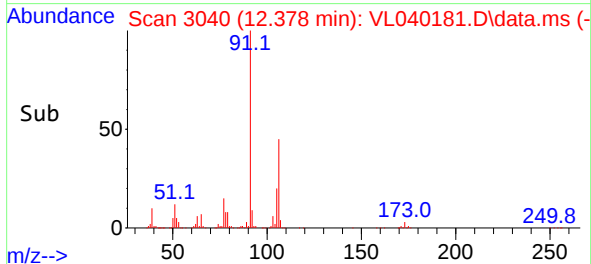
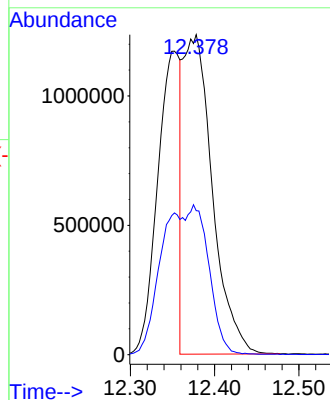
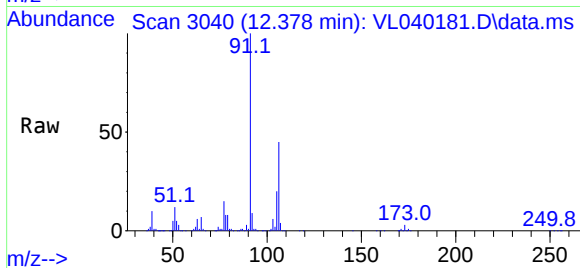
VSTDCCC010

Tgt Ion: 91 Resp: 2964189

Ion Ratio Lower Upper

91 100

106 75.3 34.6 51.8#



#60

o-Xylene

Concen: 10.748 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL040181.D

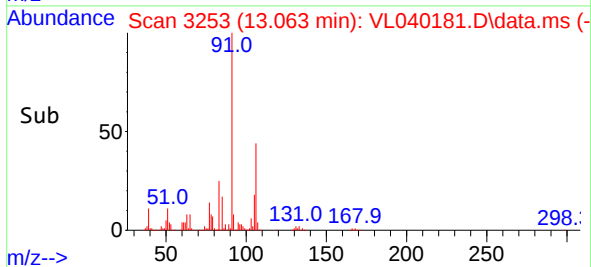
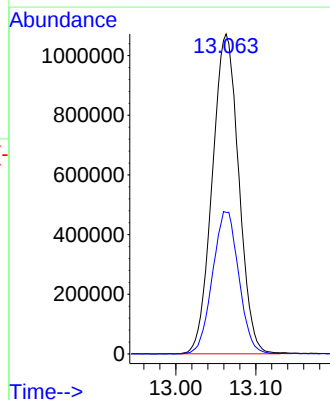
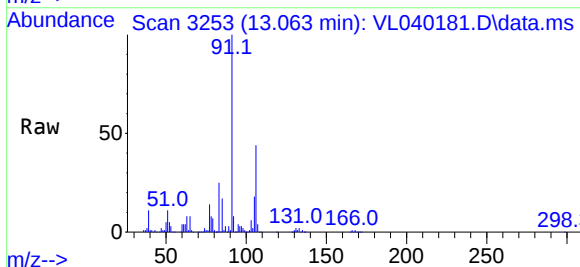
Acq: 16 Feb 2023 15:37

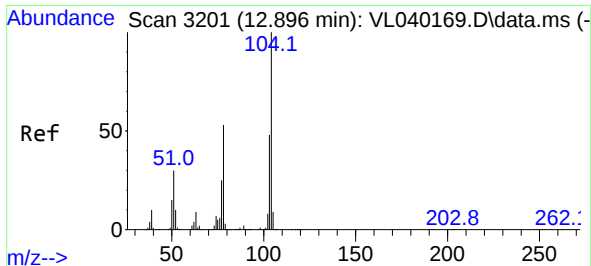
Tgt Ion: 91 Resp: 2461839

Ion Ratio Lower Upper

91 100

106 44.3 21.6 65.0

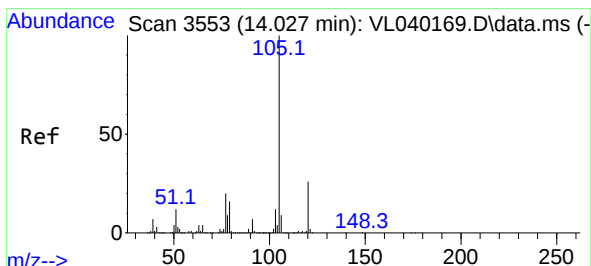
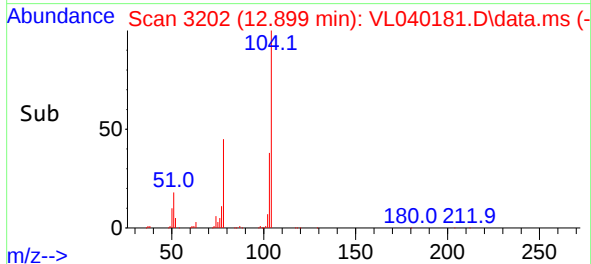
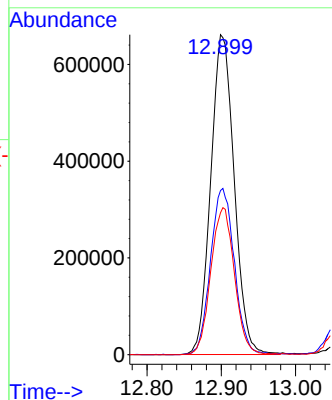
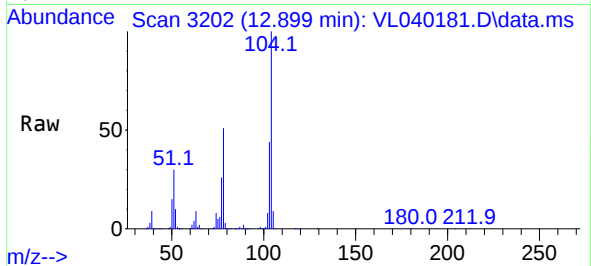




#61
Styrene
Concen: 12.091 ppbv
RT: 12.899 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

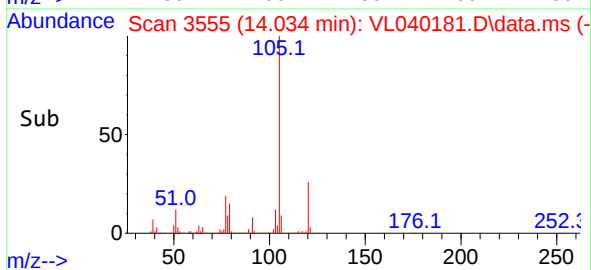
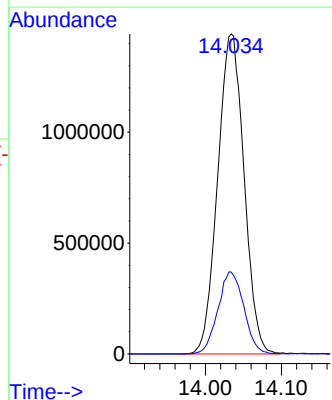
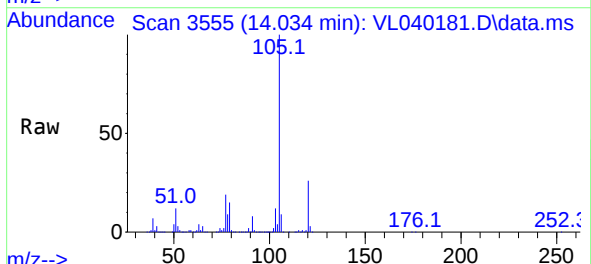
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

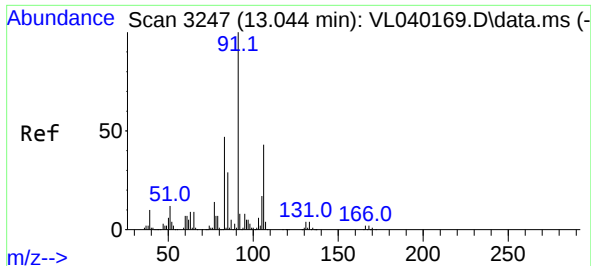
Tgt Ion:104 Resp: 1453972
Ion Ratio Lower Upper
104 100
78 53.1 42.3 63.5
103 46.5 37.5 56.3



#62
Isopropylbenzene
Concen: 10.556 ppbv
RT: 14.034 min Scan# 3555
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:105 Resp: 3470612
Ion Ratio Lower Upper
105 100
120 25.3 20.3 30.5

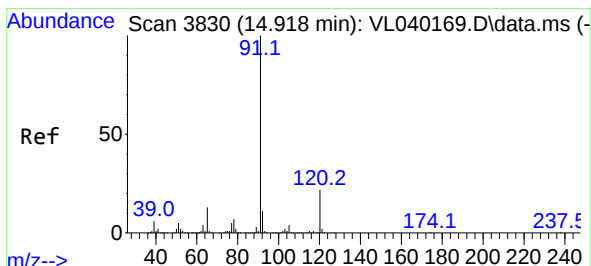
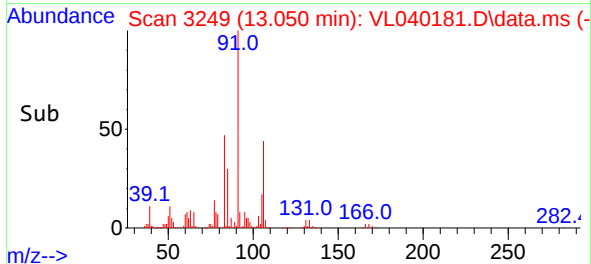
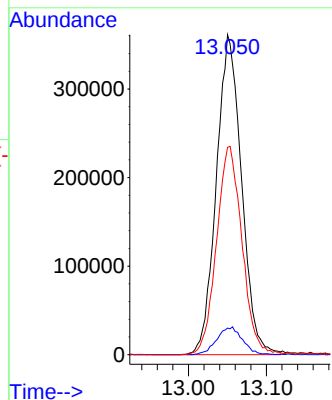
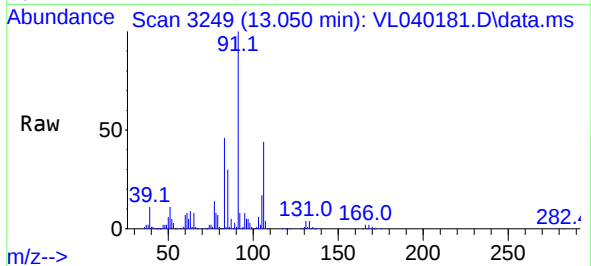




#63
1,1,2,2-Tetrachloroethane
Concen: 9.831 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

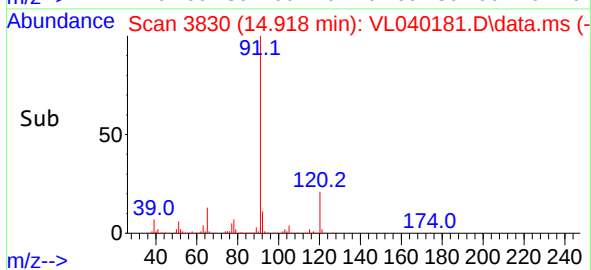
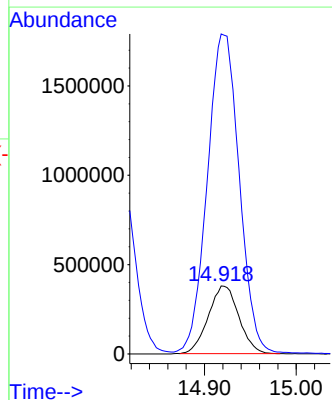
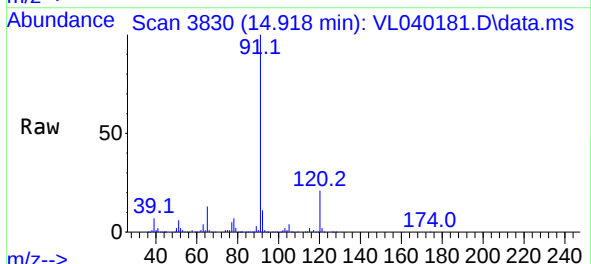
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

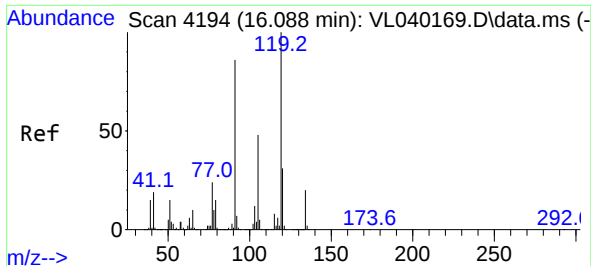
Tgt Ion: 83 Resp: 811465
Ion Ratio Lower Upper
83 100
131 8.8 4.4 13.2
85 66.3 33.0 99.0



#64
n-propylbenzene
Concen: 10.773 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.000 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 120 Resp: 876633
Ion Ratio Lower Upper
120 100
91 496.9 389.8 584.8

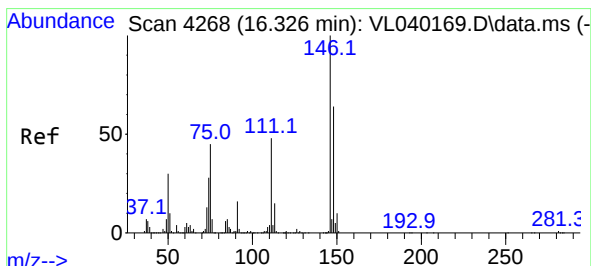
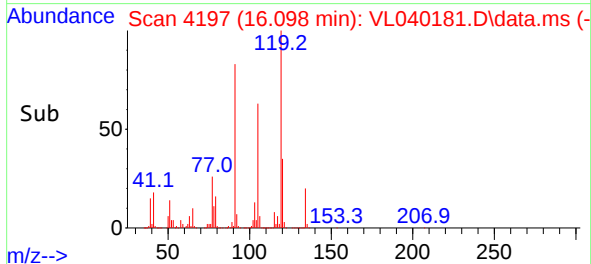
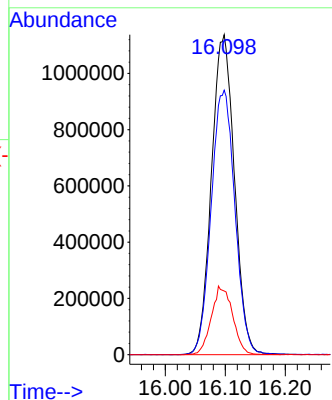
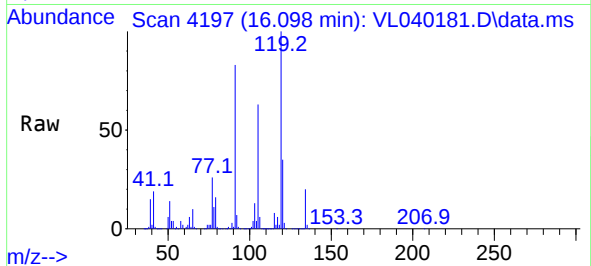




#65
tert-Butylbenzene
Concen: 10.582 ppbv
RT: 16.098 min Scan# 4194
Delta R.T. 0.010 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

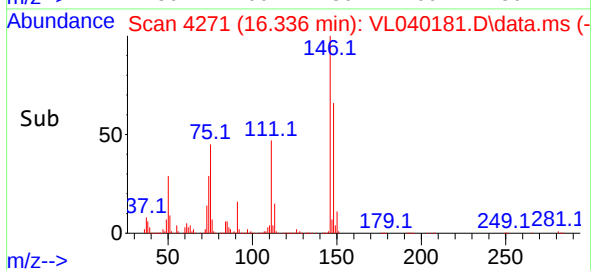
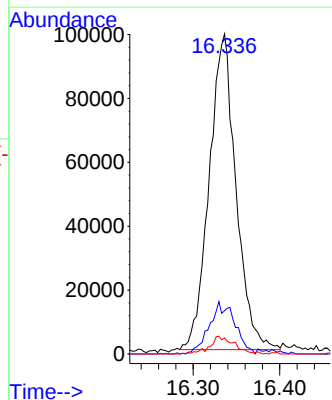
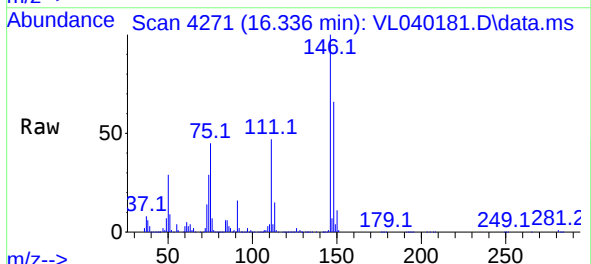
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

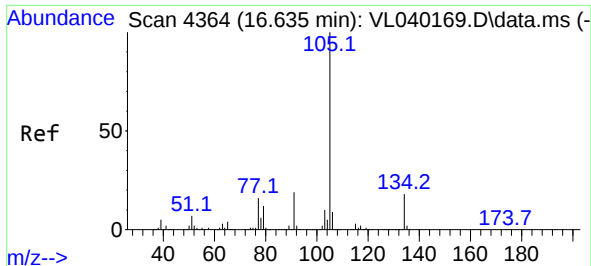
Tgt Ion:119 Resp: 3024141
Ion Ratio Lower Upper
119 100
91 85.5 68.6 102.8
134 19.9 15.9 23.9



#66
Benzyl Chloride
Concen: 11.182 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.010 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 91 Resp: 212656
Ion Ratio Lower Upper
91 100
126 16.7 13.1 19.7
128 5.2 4.1 6.1





#67

sec-Butylbenzene

Concen: 10.468 ppbv

RT: 16.642 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_1

ClientSampleId :

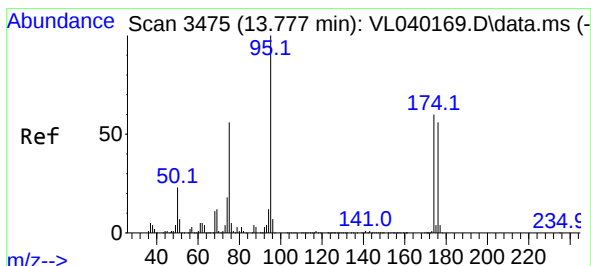
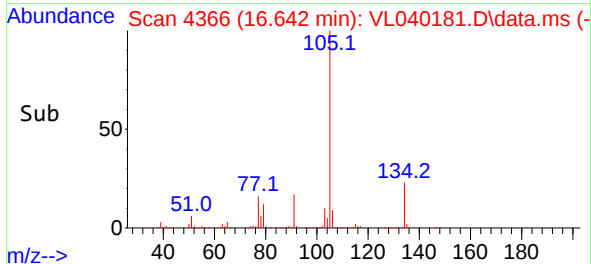
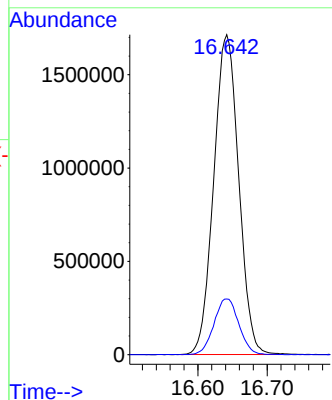
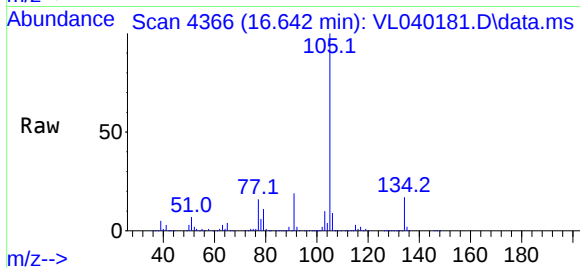
VSTDCCC010

Tgt Ion:105 Resp: 4290194

Ion Ratio Lower Upper

105 100

134 17.4 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.276 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.007 min

Lab File: VL040181.D

Acq: 16 Feb 2023 15:37

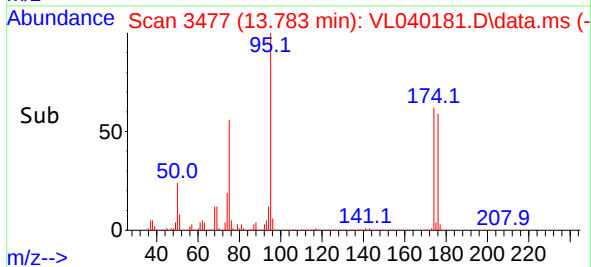
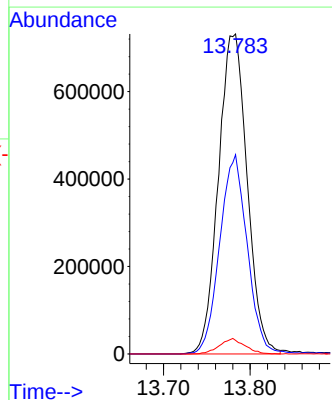
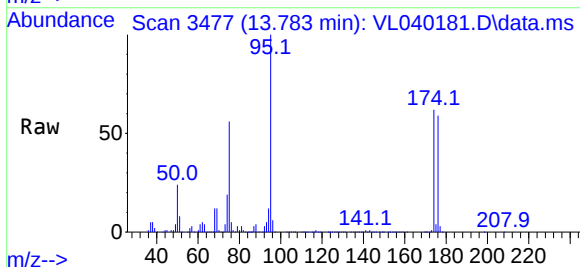
Tgt Ion: 95 Resp: 1687201

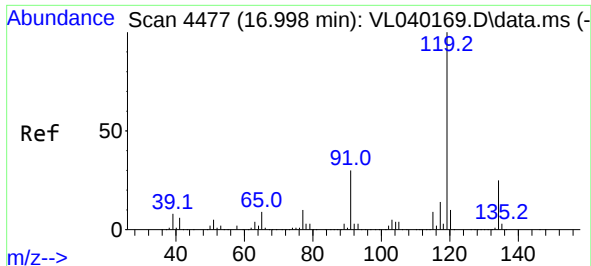
Ion Ratio Lower Upper

95 100

174 60.2 48.2 72.2

175 4.3 3.4 5.2

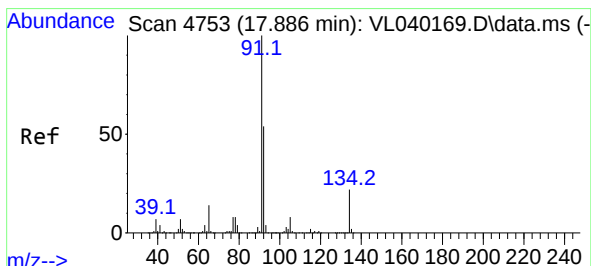
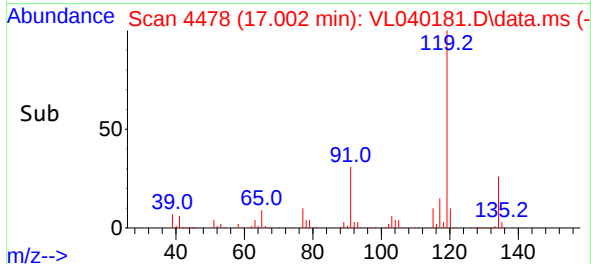
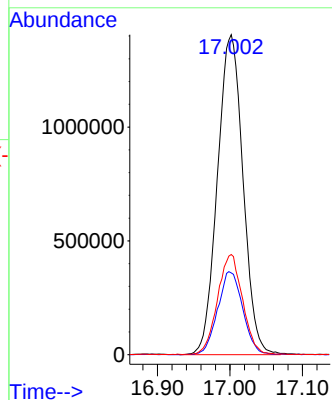
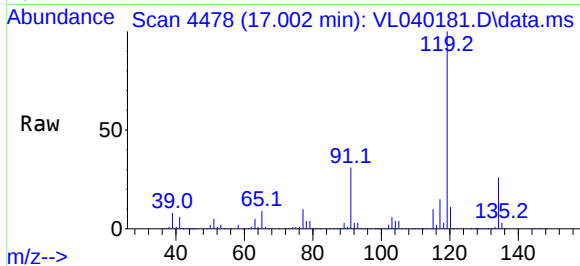




#69
p-Isopropyltoluene
Concen: 10.594 ppbv
RT: 17.002 min Scan# 4478
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

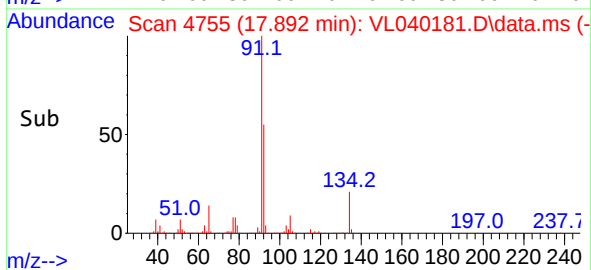
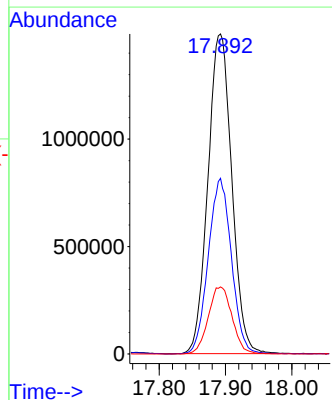
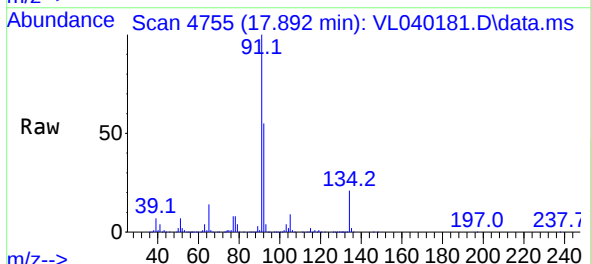
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

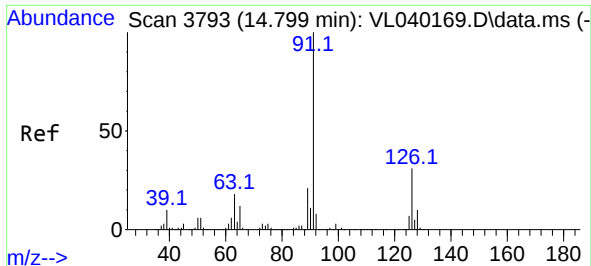
Tgt Ion:119 Resp: 3442091
Ion Ratio Lower Upper
119 100
134 25.6 20.2 30.2
91 30.7 24.7 37.1



#70
n-Butylbenzene
Concen: 10.546 ppbv
RT: 17.892 min Scan# 4755
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion: 91 Resp: 3719154
Ion Ratio Lower Upper
91 100
92 53.5 43.0 64.6
134 21.0 16.9 25.3

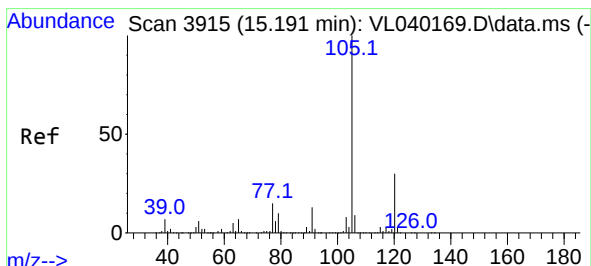
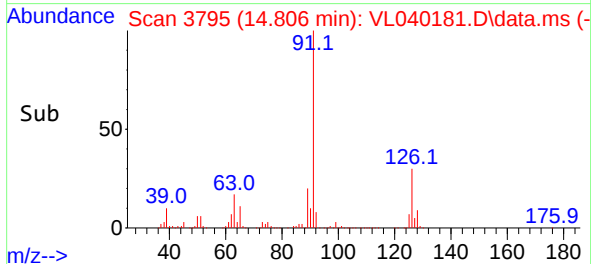
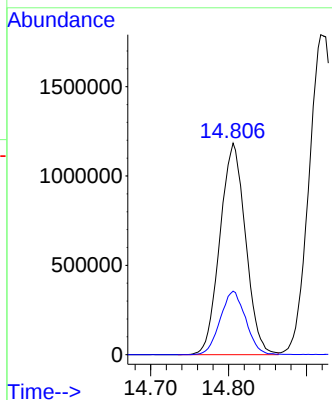
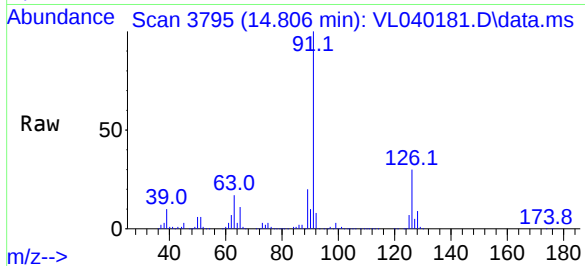




#71
2-Chlorotoluene
Concen: 10.767 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

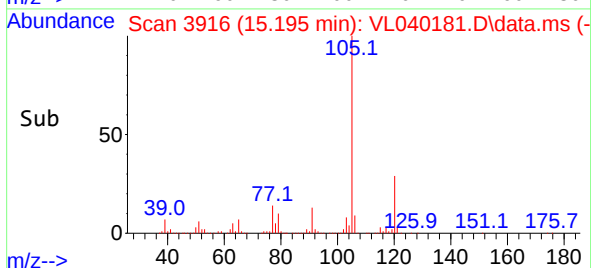
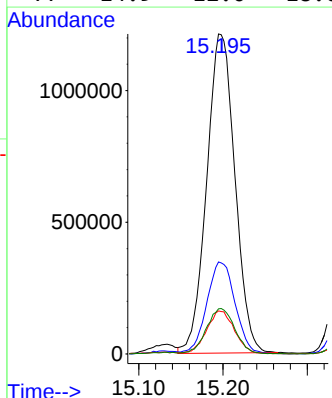
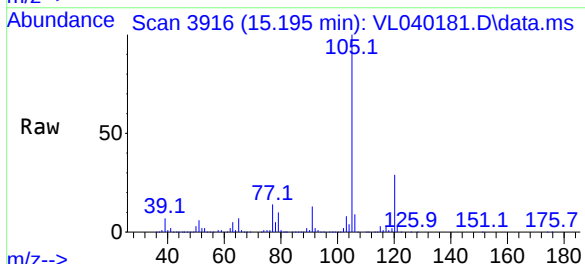
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

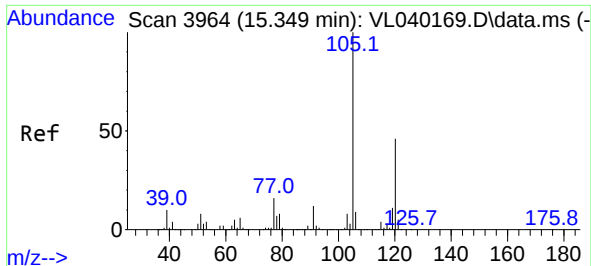
Tgt Ion: 91 Resp: 2707297
Ion Ratio Lower Upper
91 100
126 30.0 12.0 48.2



#72
4-Ethyltoluene
Concen: 11.148 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:105 Resp: 2822605
Ion Ratio Lower Upper
105 100
120 29.9 23.2 34.8
91 13.9 11.3 16.9
77 14.9 12.0 18.0

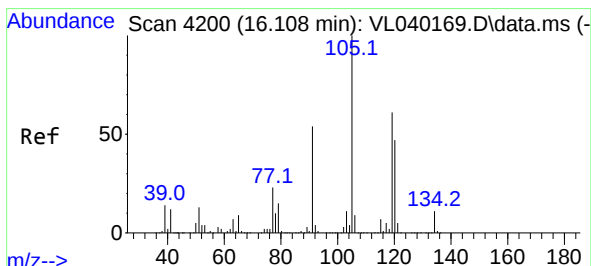
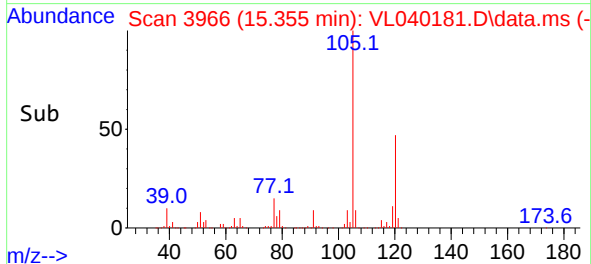
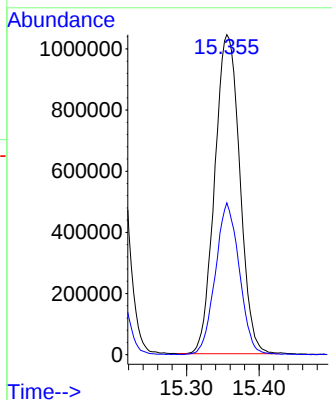
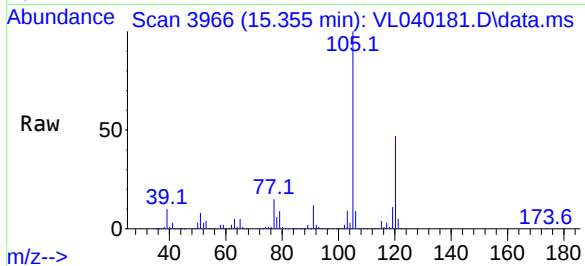




#73
 1,3,5-Trimethylbenzene
 Concen: 10.674 ppbv
 RT: 15.355 min Scan# 3966
 Delta R.T. 0.007 min
 Lab File: VL040181.D
 Acq: 16 Feb 2023 15:37

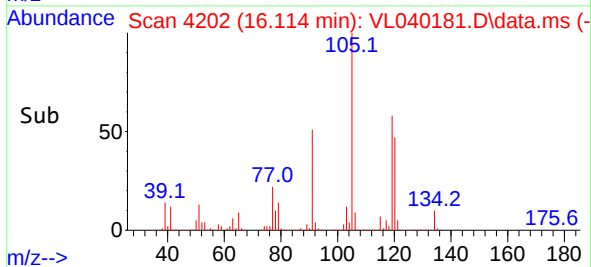
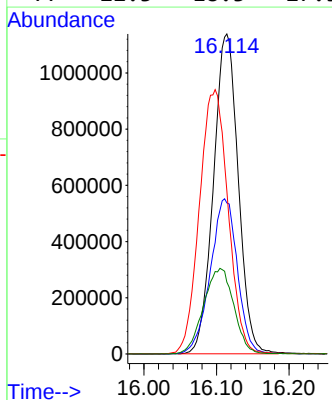
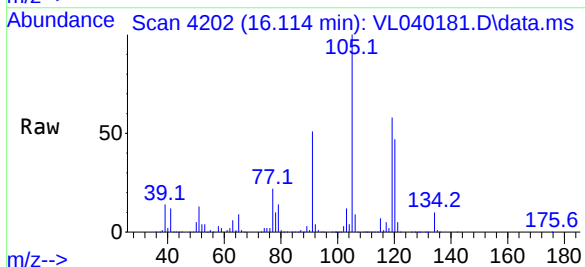
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

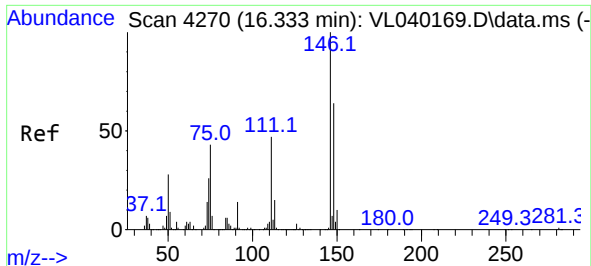
Tgt Ion:105 Resp: 2514830
 Ion Ratio Lower Upper
 105 100
 120 47.5 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 10.463 ppbv
 RT: 16.114 min Scan# 4202
 Delta R.T. 0.007 min
 Lab File: VL040181.D
 Acq: 16 Feb 2023 15:37

Tgt Ion:105 Resp: 2707691
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.9 56.9
 91 50.9 43.7 65.5
 77 22.3 18.3 27.5

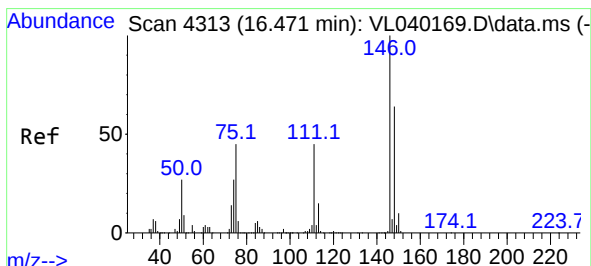
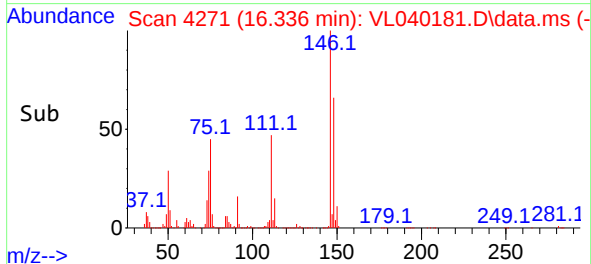
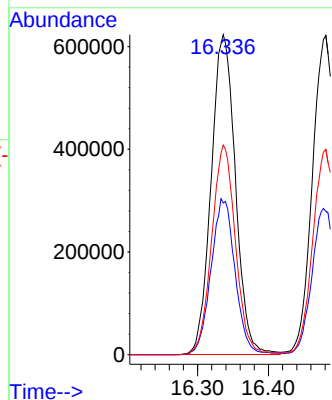
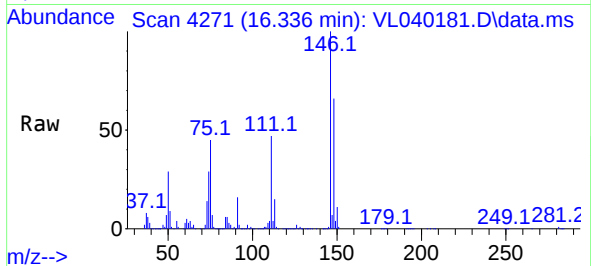




#75
1,3-Dichlorobenzene
Concen: 10.456 ppbv
RT: 16.336 min Scan# 4316
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

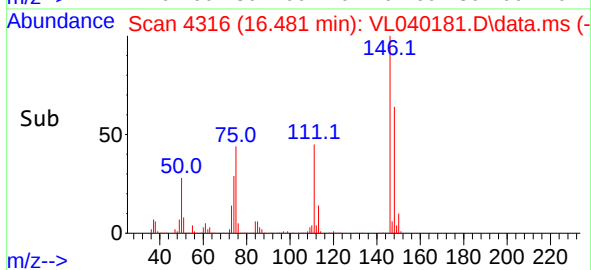
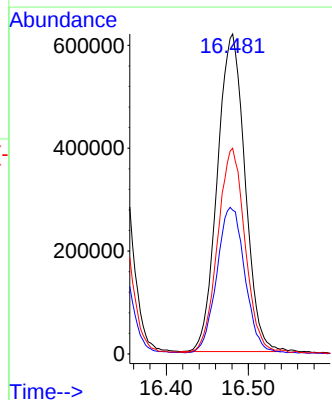
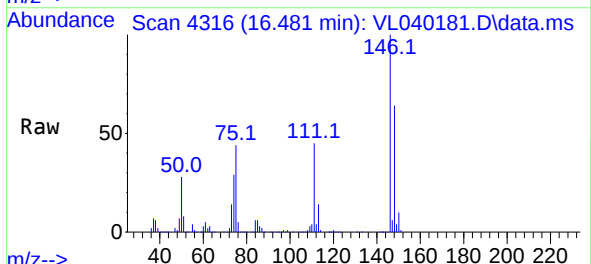
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

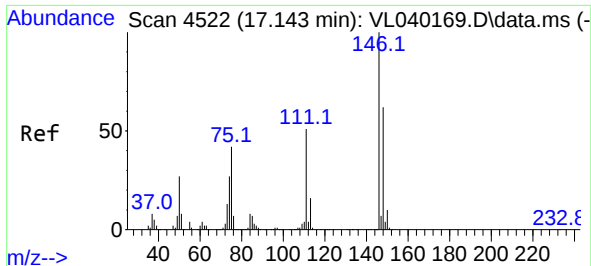
Tgt Ion:146 Resp: 1480859
Ion Ratio Lower Upper
146 100
111 48.4 23.9 71.8
148 64.3 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 10.400 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. 0.010 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:146 Resp: 1443374
Ion Ratio Lower Upper
146 100
111 47.8 23.5 70.5
148 65.4 32.5 97.4

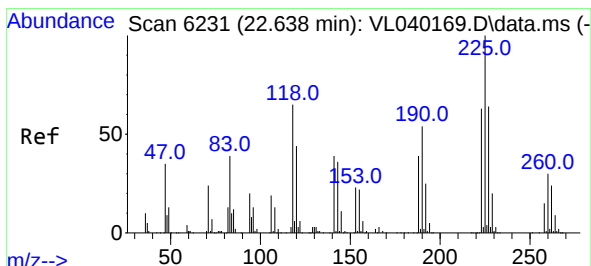
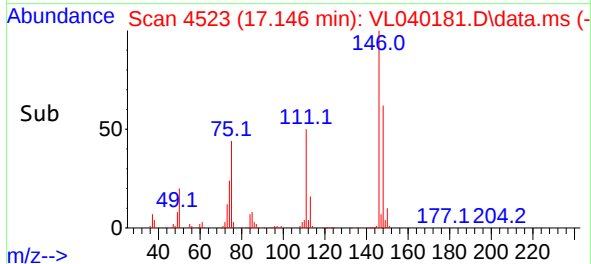
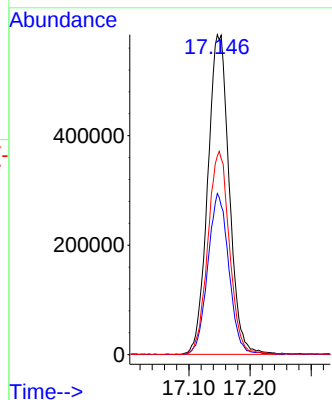
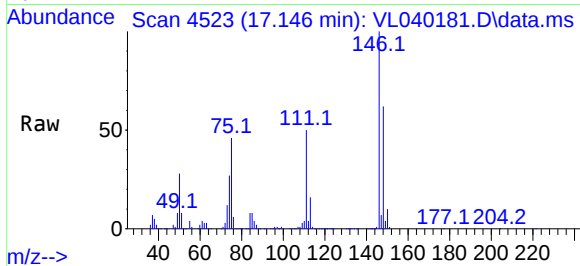




#77
1,2-Dichlorobenzene
Concen: 10.129 ppbv
RT: 17.146 min Scan# 4523
Delta R.T. 0.003 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

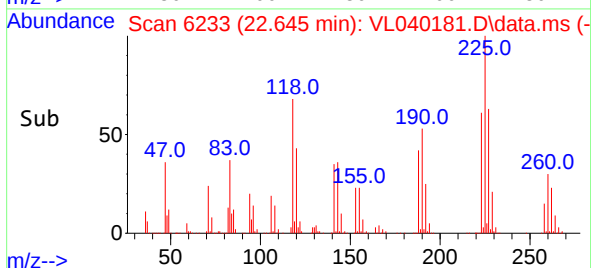
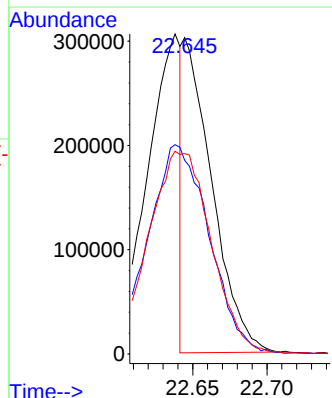
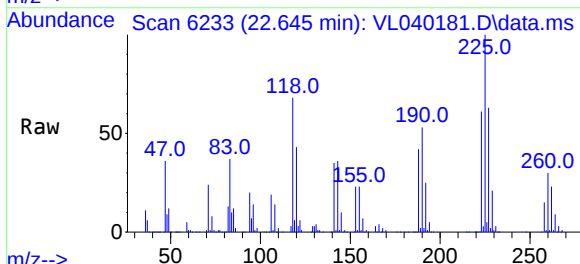
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

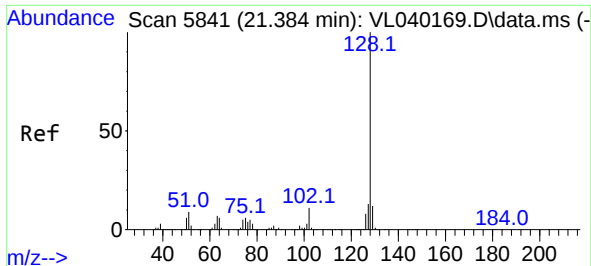
Tgt Ion:146 Resp: 1424911
Ion Ratio Lower Upper
146 100
111 49.7 25.3 75.8
148 64.0 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 4.253 ppbv
RT: 22.645 min Scan# 6233
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:225 Resp: 411090
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

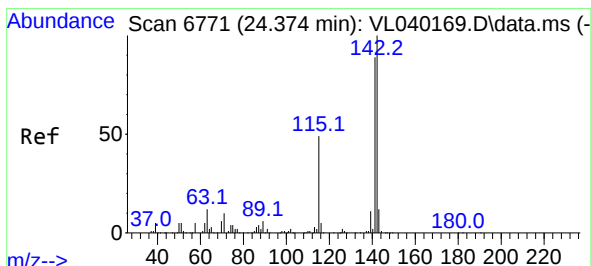
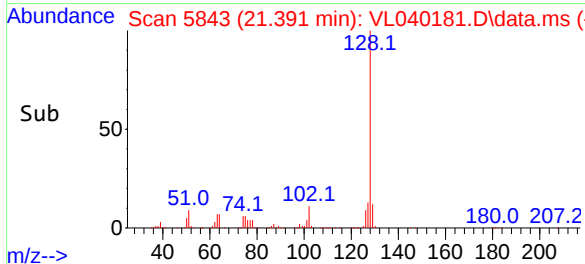
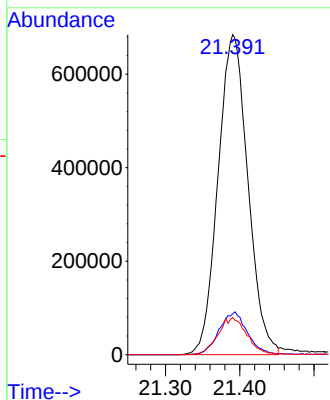
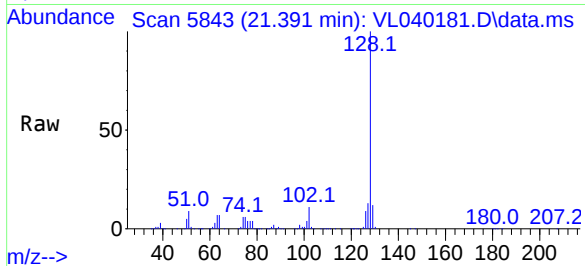




#79
Naphthalene
Concen: 13.145 ppbv
RT: 21.391 min Scan# 5843
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

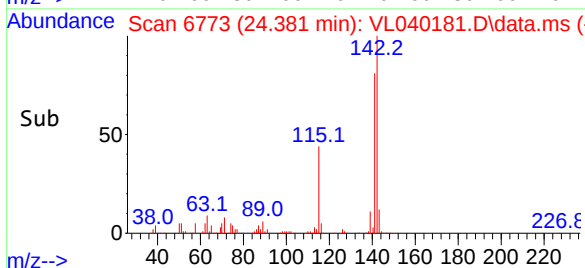
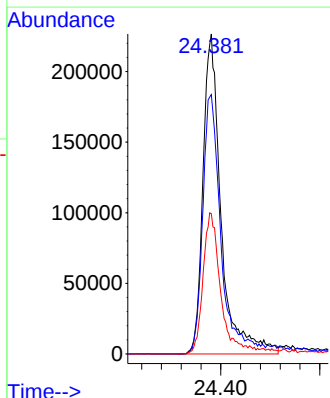
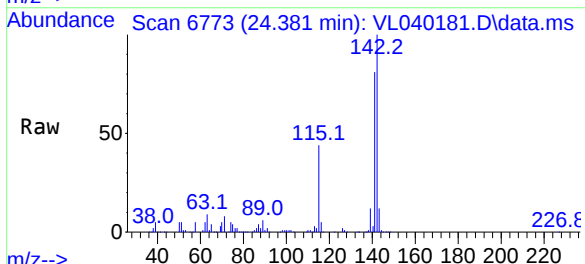
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

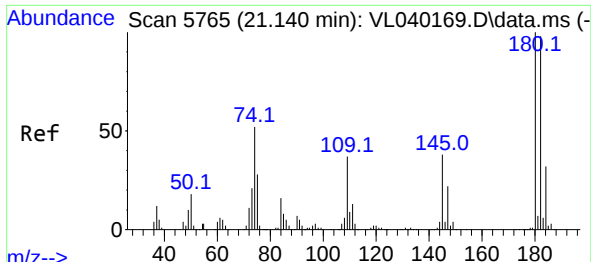
Tgt Ion:128 Resp: 1911105
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.6 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 13.917 ppbv
RT: 24.381 min Scan# 6773
Delta R.T. 0.007 min
Lab File: VL040181.D
Acq: 16 Feb 2023 15:37

Tgt Ion:142 Resp: 575362
Ion Ratio Lower Upper
142 100
141 84.4 67.3 100.9
115 44.1 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 11.134 ppbv

RT: 21.143 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040181.D

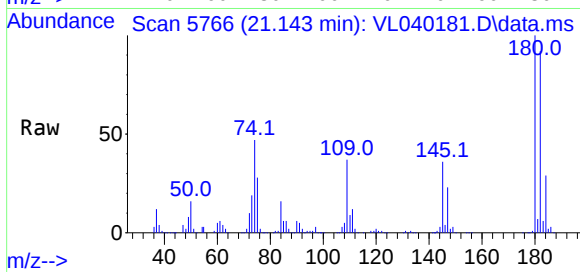
Acq: 16 Feb 2023 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1013012

Ion Ratio Lower Upper

180 100

182 96.3 79.0 118.6

184 30.7 24.6 36.8

