

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040183.D
 Acq On : 16 Feb 2023 17:11
 Operator : SY/MD
 Sample : VL0216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0216ABS01

Quant Time: Feb 17 03:31:31 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	5.189	49	878425	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2227670	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2199756m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1657624	9.164	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	1386208	8.467	ppbv	99
3) Chlorodifluoromethane	2.661	51	1058503	10.087	ppbv	100
4) Chloromethane	2.800	50	670525	10.173	ppbv	96
5) Vinyl Chloride	2.909	62	574845	10.853	ppbv	100
6) Bromomethane	3.108	94	193180	10.105	ppbv	98
7) Chloroethane	3.186	64	215072	10.239	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1471536	10.431	ppbv	99
9) Propene	2.681	41	445493	10.415	ppbv	98
10) Heptane	7.584	43	1111325	10.916	ppbv	100
11) Trichlorofluoromethane	3.552	101	1498930	10.204	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1091322	10.071	ppbv	100
13) Ethanol	3.234	45	29714m	7.546	ppbv	
14) Bromoethene	3.356	108	454668	10.941	ppbv	98
15) Acetone	3.456	43	1018545	9.631	ppbv	100
16) 1,3-Butadiene	2.973	39	514766	10.658	ppbv	98
17) tert-Butyl alcohol	3.867	59	1032456	10.705	ppbv	99
18) 1,1-Dichloroethene	3.874	96	490010	10.407	ppbv	97
19) Isopropyl Alcohol	3.565	45	505753	10.060	ppbv	99
20) Methylene Chloride	3.925	84	418541	7.602	ppbv	98
21) Allyl Chloride	3.989	41	695580	10.723	ppbv	100
22) trans-1,2-Dichloroethene	4.439	96	518191	10.628	ppbv	91
23) Vinyl Acetate	4.623	43	305940	9.532	ppbv	98
24) 1,1-Dichloroethane	4.558	63	1029274	10.260	ppbv	98
25) Ethyl Acetate	5.198	43	2065463	10.506	ppbv	100
26) Hexane	5.208	57	872526	10.338	ppbv	99
27) Carbon Disulfide	4.118	76	1203101	11.234	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	921504	10.190	ppbv	100
29) Chloroform	5.272	83	1499811	10.349	ppbv	100
30) Cyclohexane	6.600	84	726744	10.966	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	904794	11.283	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	1499294	11.012	ppbv	99
34) 2-Butanone	4.780	43	1131214	10.294	ppbv	99
35) Carbon Tetrachloride	6.494	117	1549582	11.767	ppbv	99
36) Benzene	6.369	78	1867675	10.773	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1165636	10.751	ppbv	99
38) Trichloroethene	7.295	130	1120192	11.726	ppbv	98
39) 1,2-Dichloropropane	7.076	63	713011	10.573	ppbv	97
40) 1,4-Dioxane	7.288	88	284010	10.528	ppbv	98
41) Tetrahydrofuran	5.552	42	708936	11.133	ppbv	100
42) Bromodichloromethane	7.250	83	1671274	11.168	ppbv	100
43) Methyl Methacrylate	7.475	69	752498	11.731	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3078776	10.639	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	735416	12.924	ppbv	99

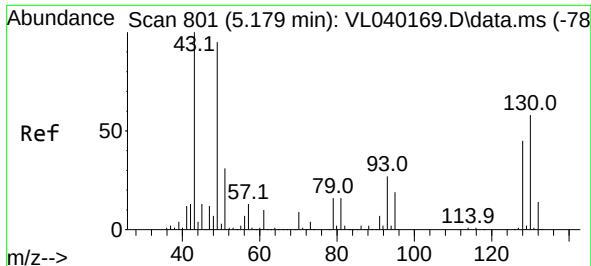
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040183.D
 Acq On : 16 Feb 2023 17:11
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 Sample : VL0216ABS01
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Instrument :
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Quant Time: Feb 17 03:31:31 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)
46) cis-1,3-Dichloropropene	8.147	75	984776	12.423	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	781619	10.715	ppbv	98
48) Dibromochloromethane	9.719	129	1360420	11.660	ppbv	100
49) Bromoform	12.417	173	1083501	11.899	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1904398	11.161	ppbv	100
51) 2-Hexanone	9.555	43	1485156	11.318	ppbv #	99
52) Tetrachloroethene	10.619	164	627604	11.593	ppbv	96
53) Toluene	9.224	91	2140451	11.527	ppbv	99
54) 1,2-Dibromoethane	10.018	107	897019	11.819	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	966587	10.468	ppbv	97
57) Chlorobenzene	11.536	112	1650058	10.267	ppbv	98
58) Ethyl Benzene	12.095	91	2948183	11.031	ppbv	97
59) m/p-Xylene	12.381	91	5119734m	21.627	ppbv	
60) o-Xylene	13.066	91	2448564	10.750	ppbv	100
61) Styrene	12.909	104	1412858	11.814	ppbv	99
62) Isopropylbenzene	14.040	105	3441092	10.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	799685	9.742	ppbv	99
64) n-propylbenzene	14.928	120	871171	10.766	ppbv	97
65) tert-Butylbenzene	16.101	119	2993907	10.534	ppbv	99
66) Benzyl Chloride	16.336	91	215015	11.369	ppbv	99
67) sec-Butylbenzene	16.648	105	4271196	10.479	ppbv	100
69) p-Isopropyltoluene	17.008	119	3412739	10.562	ppbv	100
70) n-Butylbenzene	17.899	91	3673417	10.474	ppbv	100
71) 2-Chlorotoluene	14.812	91	2665142	10.658	ppbv	100
72) 4-Ethyltoluene	15.201	105	2801334	11.125	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2486311	10.612	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	2693887	10.468	ppbv	100
75) 1,3-Dichlorobenzene	16.343	146	1470836	10.443	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	1446007	10.477	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1406562	10.054	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	912641	9.495	ppbv	99
79) Naphthalene	21.394	128	1901107	13.149	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	567610	13.805	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1003108	11.087	ppbv	98

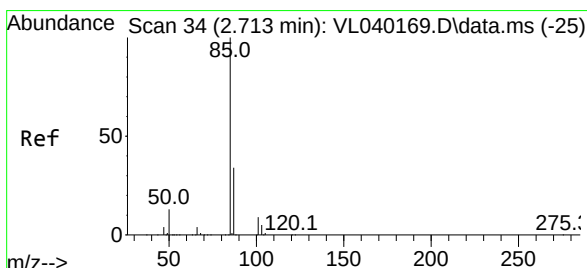
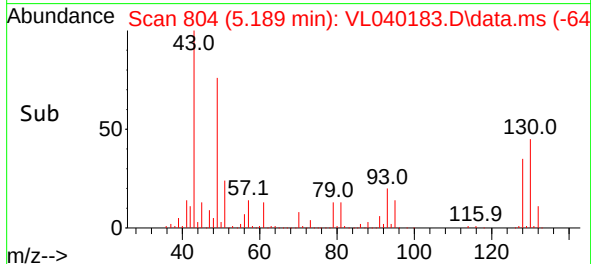
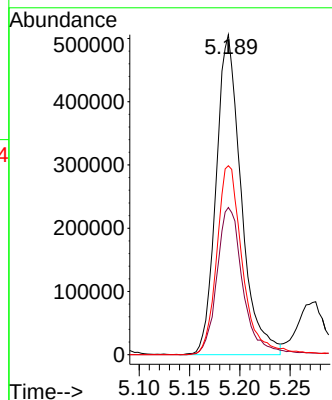
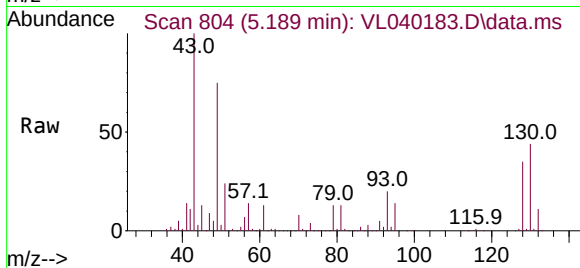
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

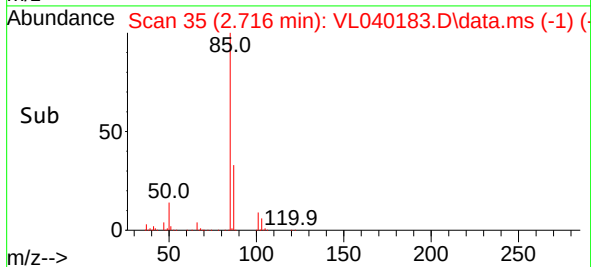
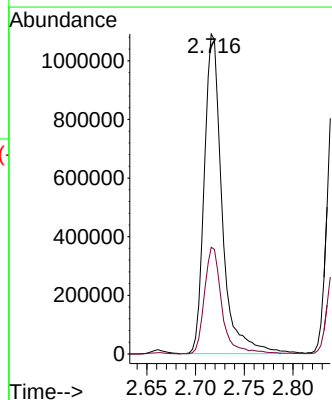
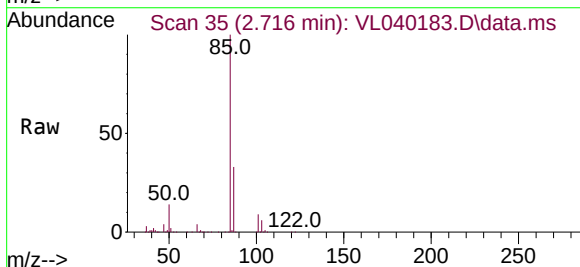
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

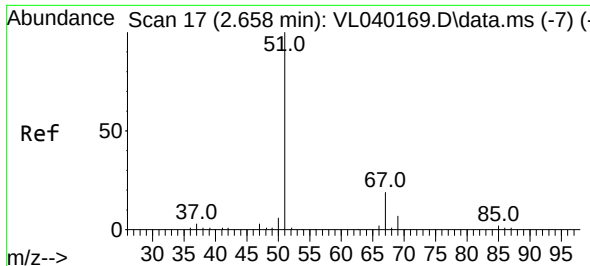
Tgt Ion: 49 Resp: 878425
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.7 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 8.467 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 85 Resp: 1386208
Ion Ratio Lower Upper
85 100
87 33.4 27.0 40.6

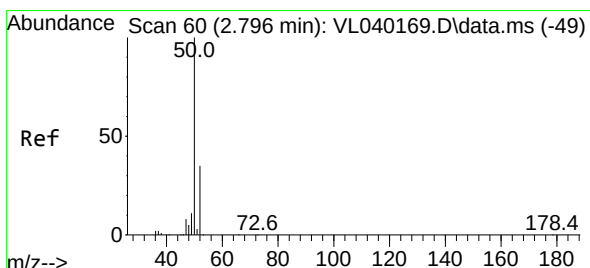
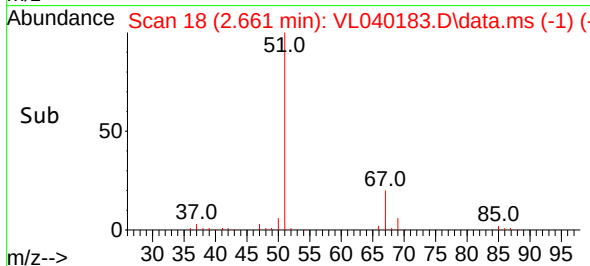
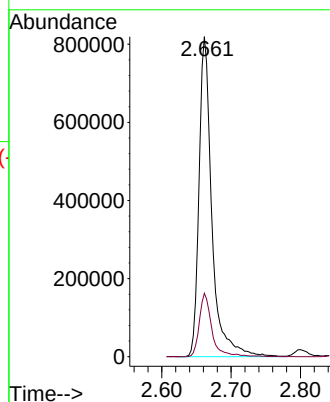
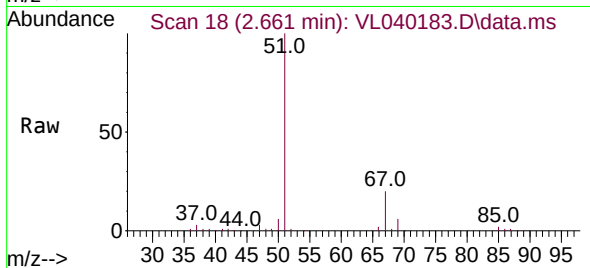




#3
Chlorodifluoromethane
Concen: 10.087 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

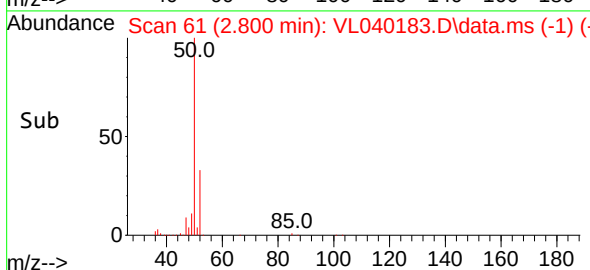
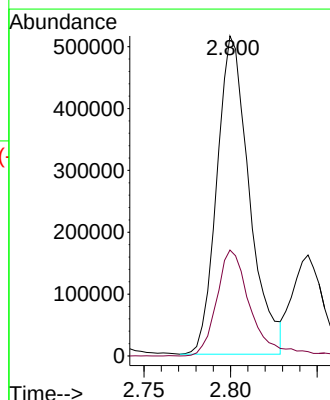
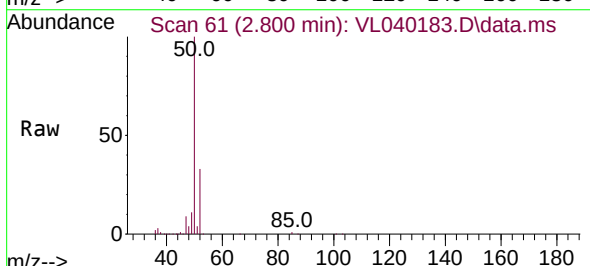
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ClientSampleId :
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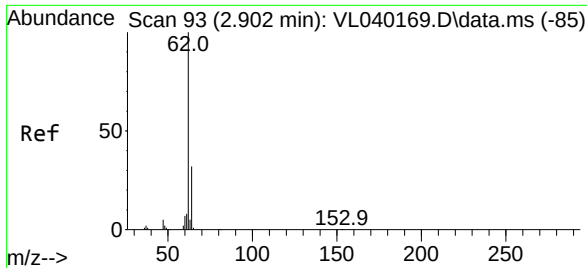
Tgt Ion: 51 Resp: 1058503
Ion Ratio Lower Upper
51 100
67 19.5 15.4 23.2



#4
Chloromethane
Concen: 10.173 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 50 Resp: 670525
Ion Ratio Lower Upper
50 100
52 33.4 28.3 42.5

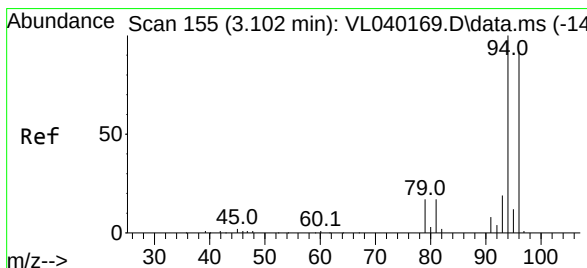
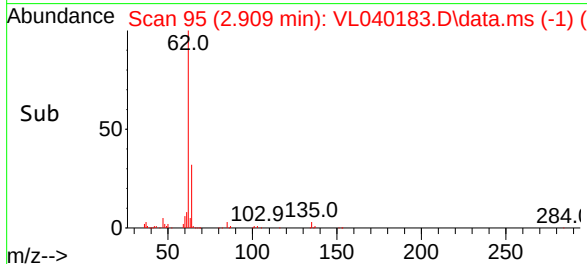
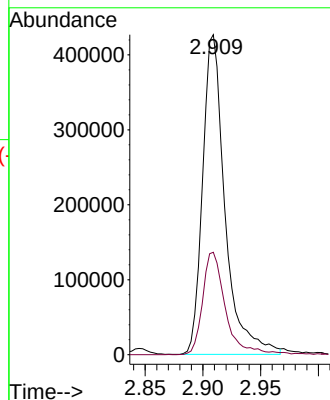
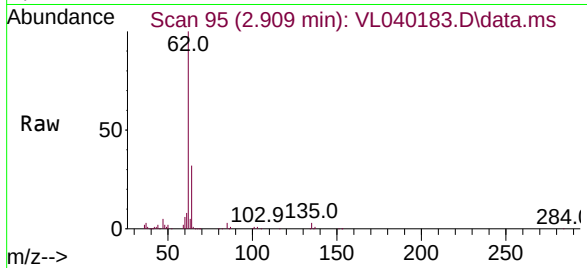




#5
 Vinyl Chloride
 Concen: 10.853 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.007 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

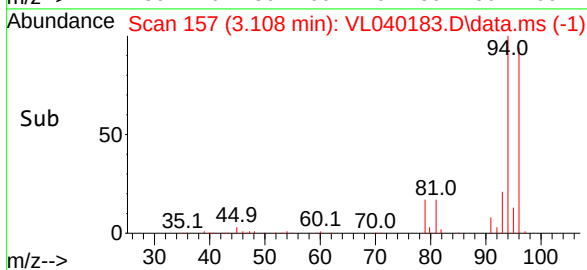
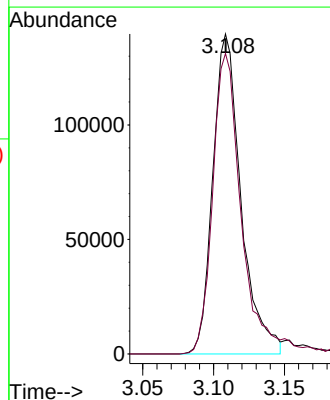
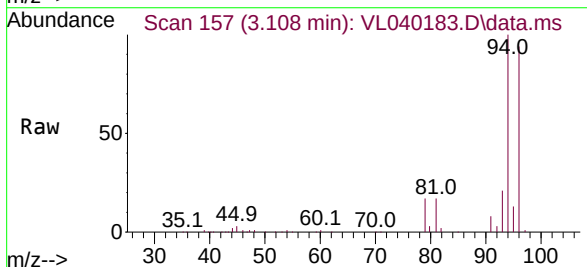
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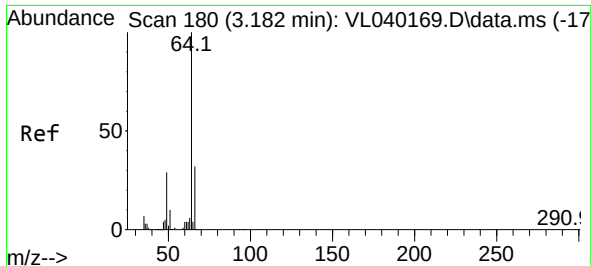
Tgt Ion: 62 Resp: 574845
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.6 38.4



#6
 Bromomethane
 Concen: 10.105 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.007 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Tgt Ion: 94 Resp: 193180
 Ion Ratio Lower Upper
 94 100
 96 93.9 73.4 110.2

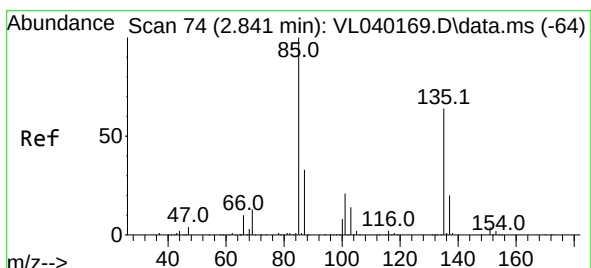
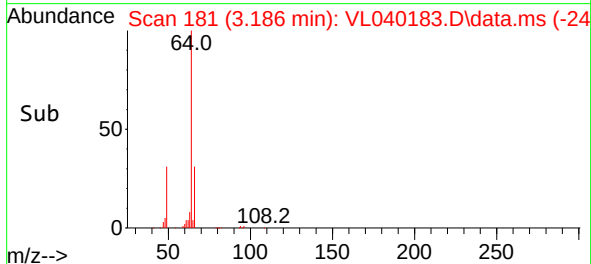
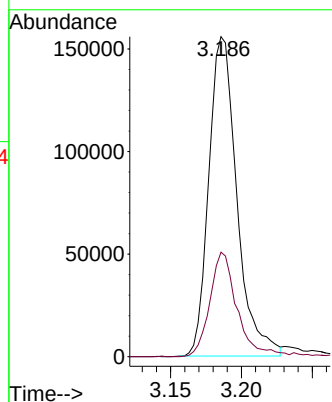
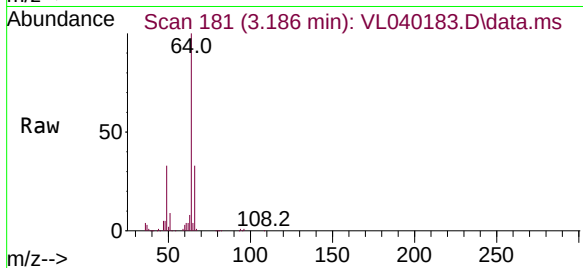




#7
Chloroethane
Concen: 10.239 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

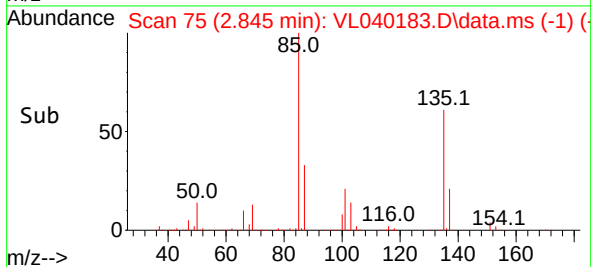
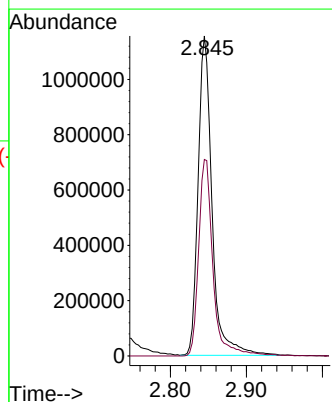
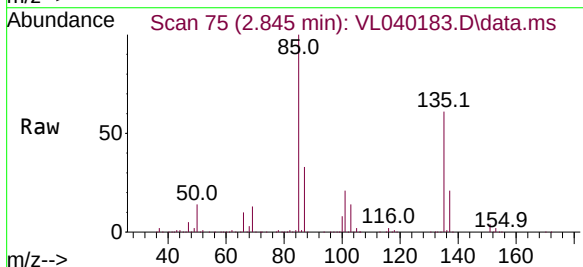
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ClientSampleId :
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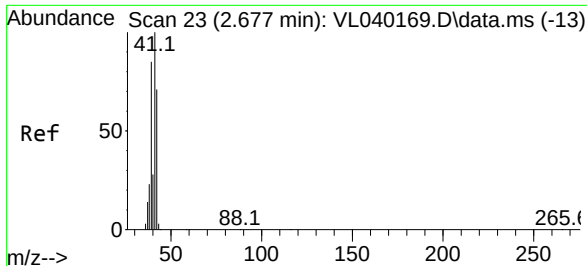
Tgt Ion: 64 Resp: 215072
Ion Ratio Lower Upper
64 100
66 32.6 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.431 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 85 Resp: 1471536
Ion Ratio Lower Upper
85 100
135 63.7 51.5 77.3

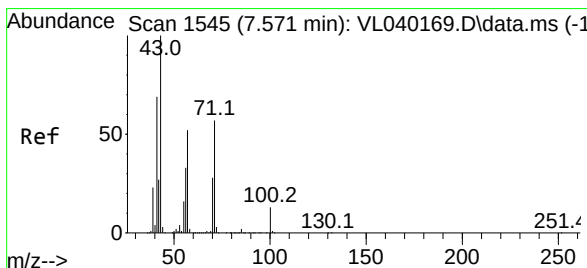
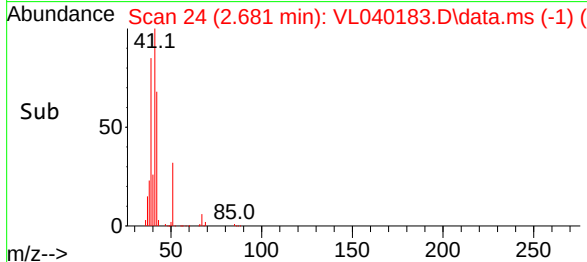
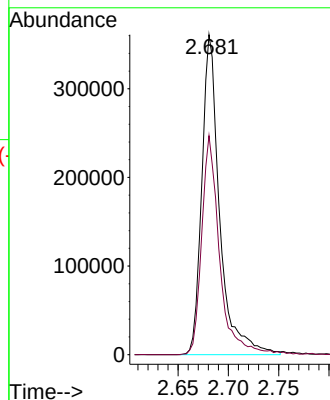
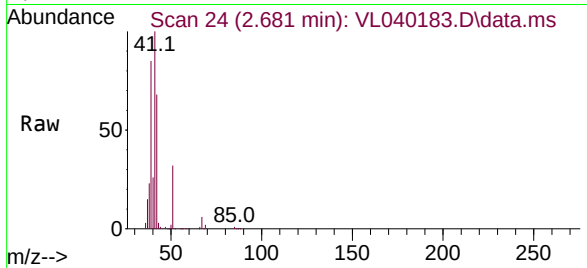




#9
Propene
Concen: 10.415 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

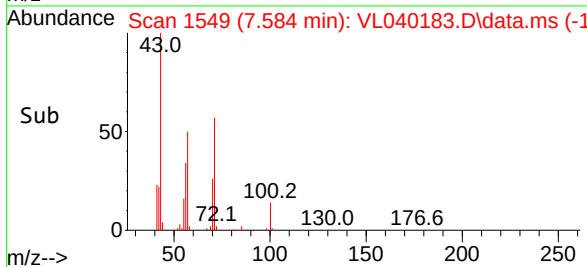
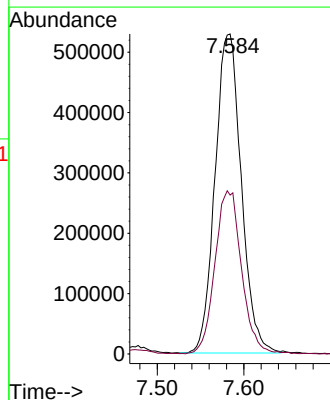
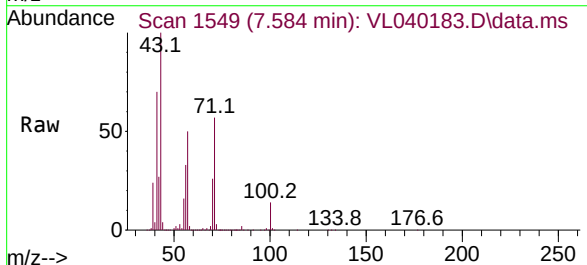
Instrument :
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ClientSampleId :
VL0216ABS01

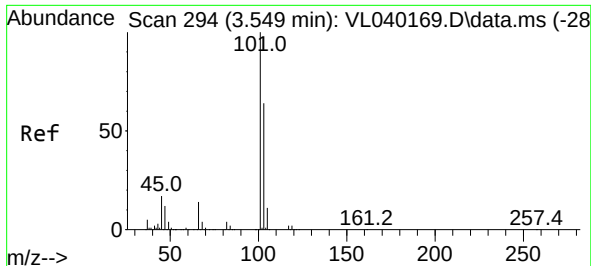
Tgt Ion: 41 Resp: 445493
Ion Ratio Lower Upper
41 100
42 69.1 56.9 85.3



#10
Heptane
Concen: 10.916 ppbv
RT: 7.584 min Scan# 1549
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 43 Resp: 1111325
Ion Ratio Lower Upper
43 100
57 52.0 41.4 62.2

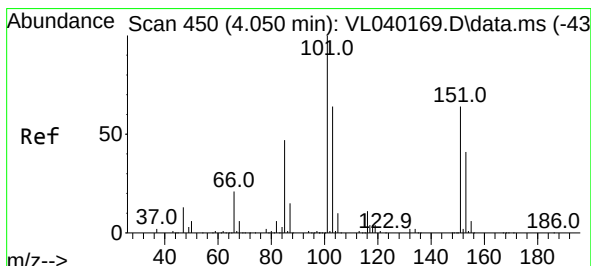
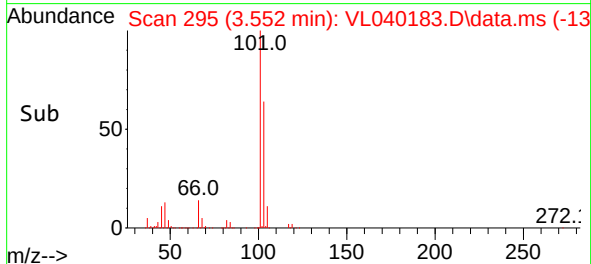
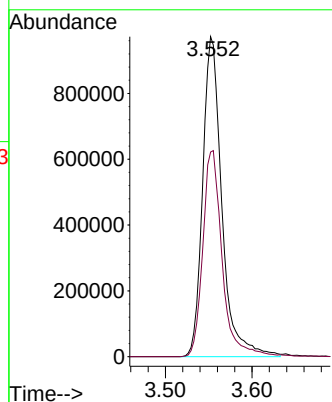
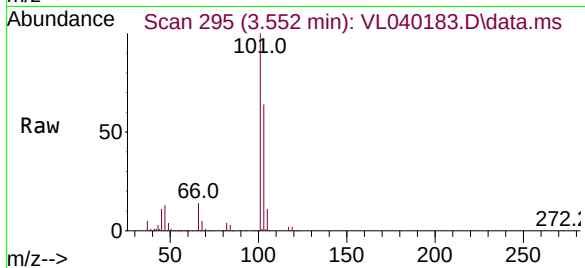




#11
 Trichlorofluoromethane
 Concen: 10.204 ppbv
 RT: 3.552 min Scan# 294
 Delta R.T. 0.003 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

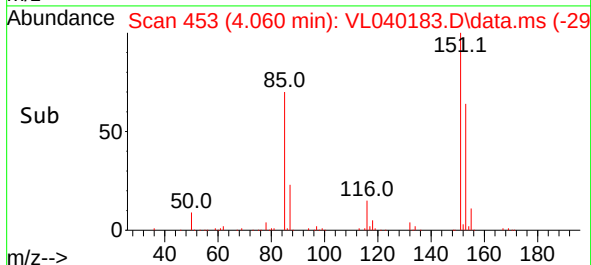
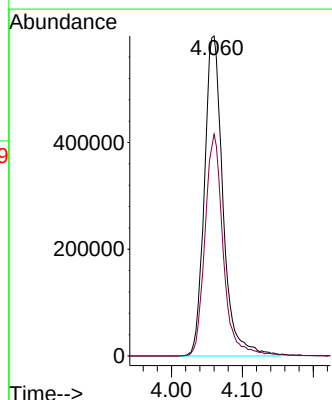
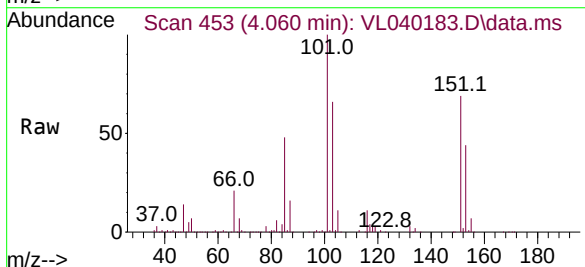
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0216ABS01

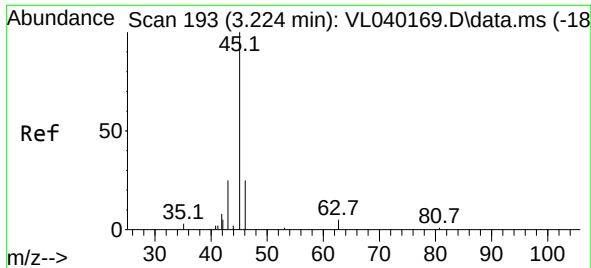
Tgt Ion:101 Resp: 1498930
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.071 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.010 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Tgt Ion:101 Resp: 1091322
 Ion Ratio Lower Upper
 101 100
 151 68.2 54.7 82.1

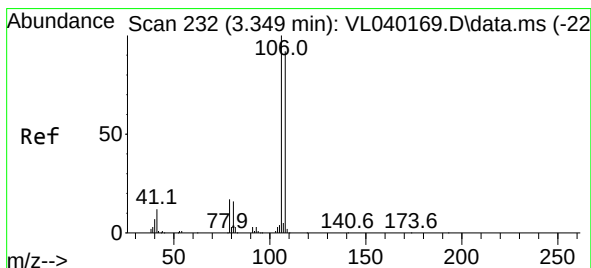
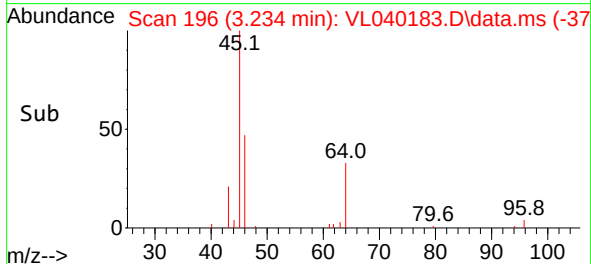
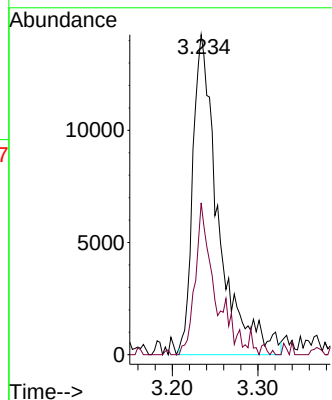
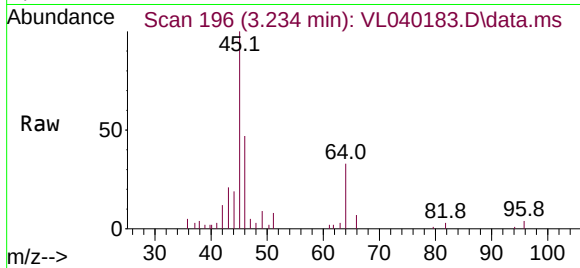




#13
Ethanol
Concen: 7.546 ppbv m
RT: 3.234 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

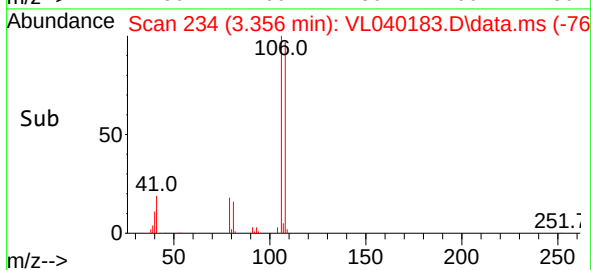
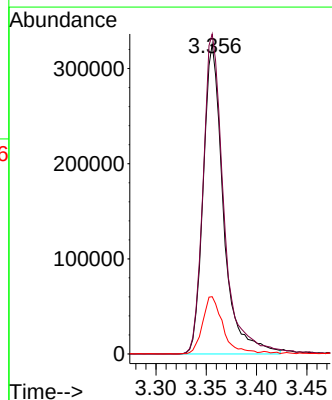
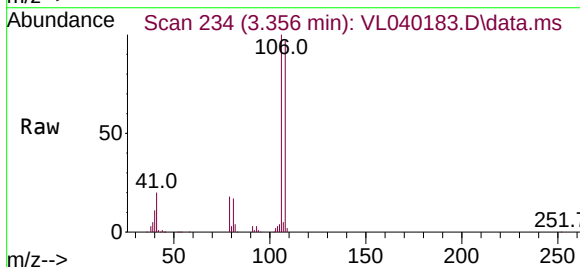
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

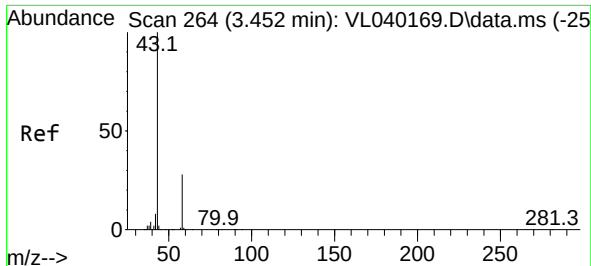
Tgt Ion: 45 Resp: 29714
Ion Ratio Lower Upper
45 100
46 39.2 13.3 53.1



#14
Bromoethene
Concen: 10.941 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 108 Resp: 454668
Ion Ratio Lower Upper
108 100
106 106.9 87.1 130.7
79 19.2 15.4 23.2

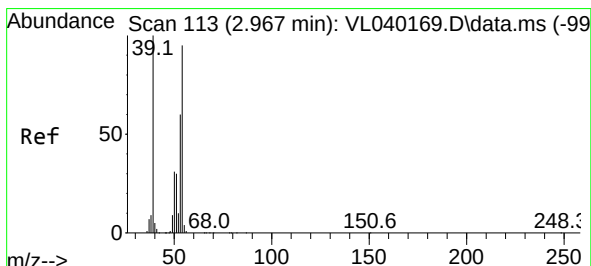
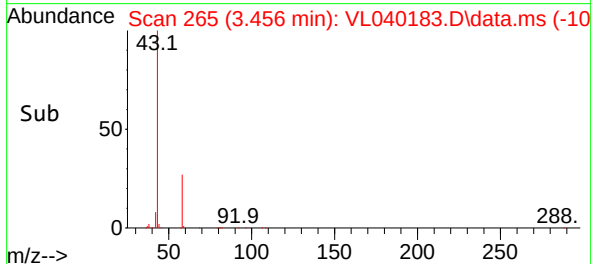
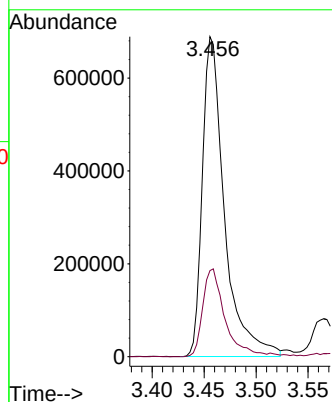
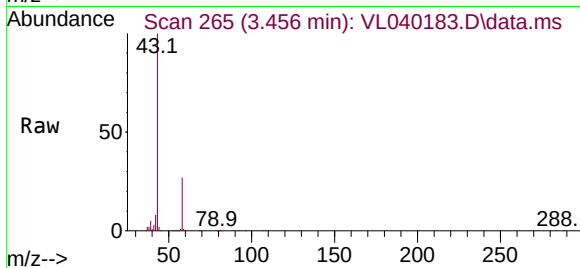




#15
Acetone
Concen: 9.631 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

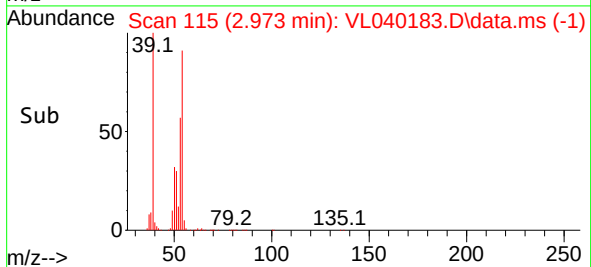
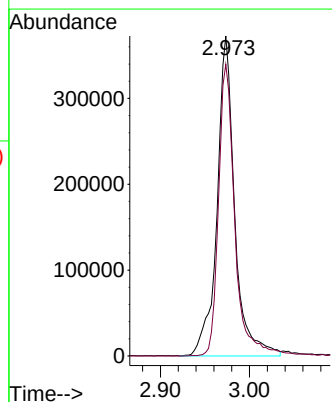
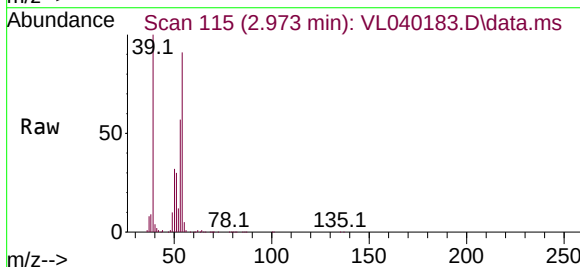
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

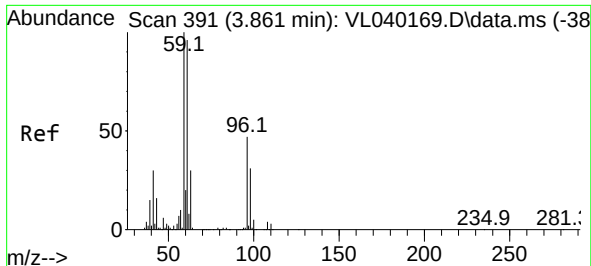
Tgt Ion: 43 Resp: 1018545
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6



#16
1,3-Butadiene
Concen: 10.658 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 39 Resp: 514766
Ion Ratio Lower Upper
39 100
54 85.2 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.705 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.007 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

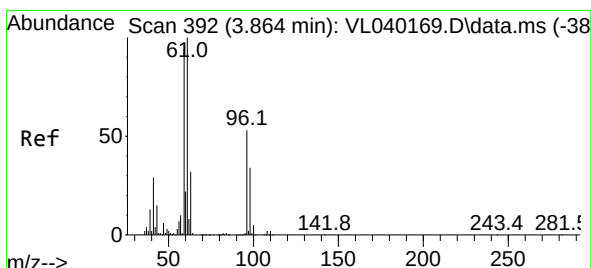
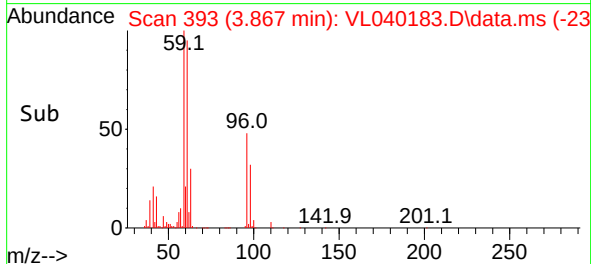
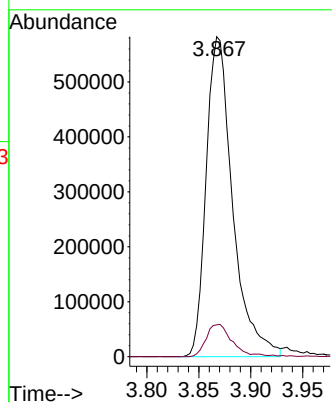
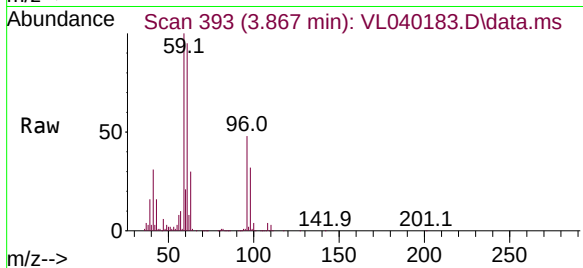
VL0216ABS01

Tgt Ion: 59 Resp: 1032456

Ion Ratio Lower Upper

59 100

57 10.1 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.407 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

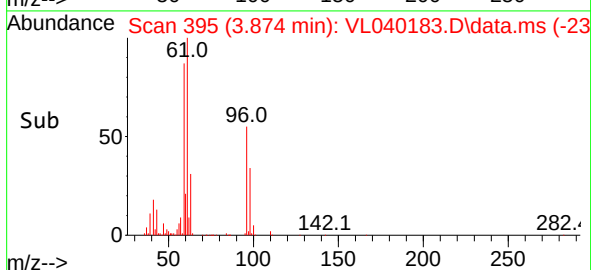
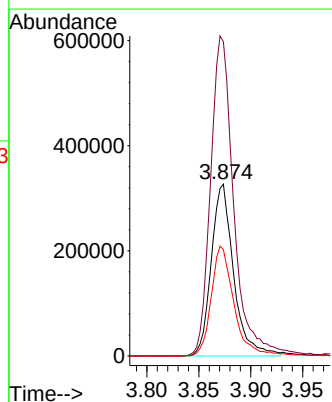
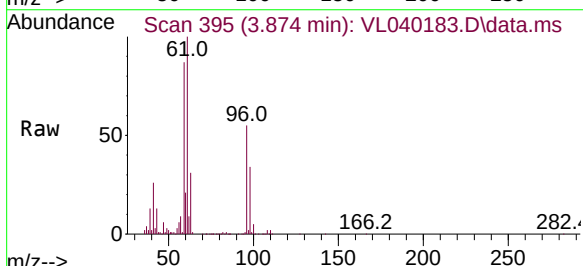
Tgt Ion: 96 Resp: 490010

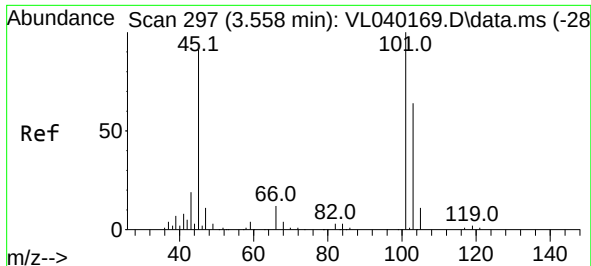
Ion Ratio Lower Upper

96 100

61 182.9 149.6 224.4

98 62.0 51.1 76.7





#19

Isopropyl Alcohol

Concen: 10.060 ppbv

RT: 3.565 min Scan# 297

Delta R.T. 0.007 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

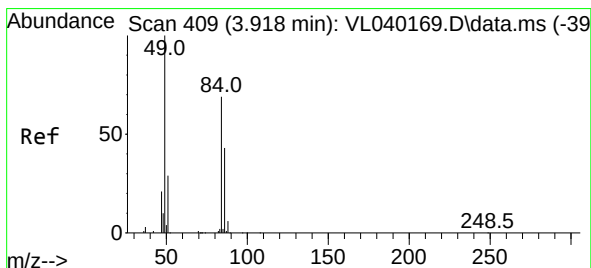
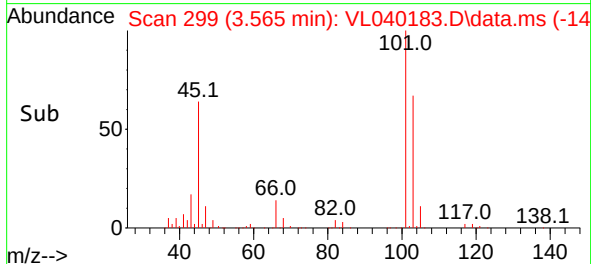
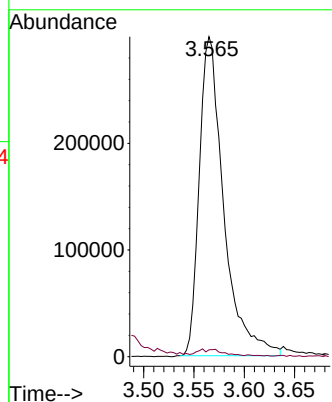
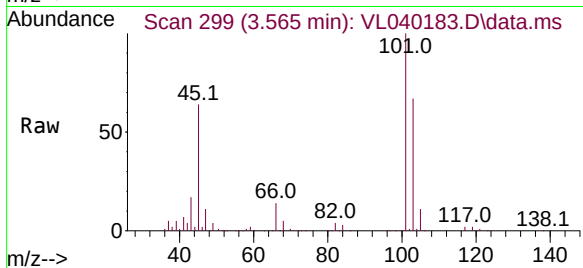
VL0216ABS01

Tgt Ion: 45 Resp: 505753

Ion Ratio Lower Upper

45 100

58 2.9 2.6 3.8



#20

Methylene Chloride

Concen: 7.602 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.007 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Tgt Ion: 84 Resp: 418541

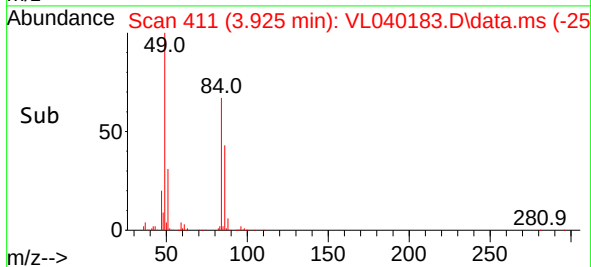
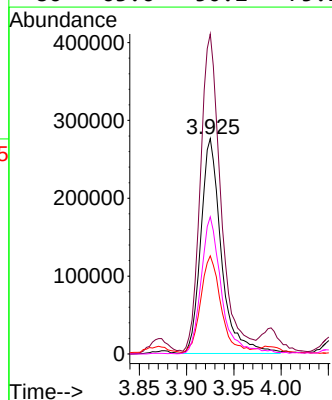
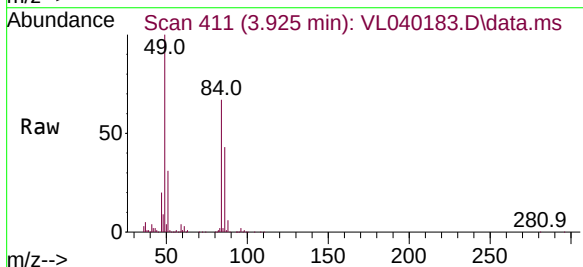
Ion Ratio Lower Upper

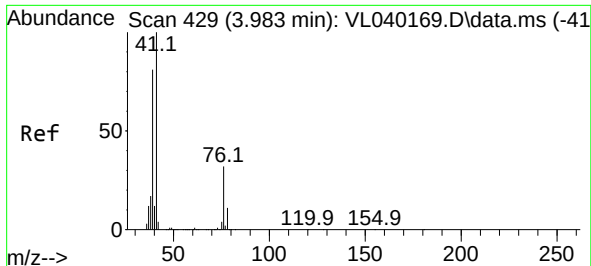
84 100

49 147.1 115.5 173.3

51 44.8 33.1 49.7

86 63.6 50.2 75.2

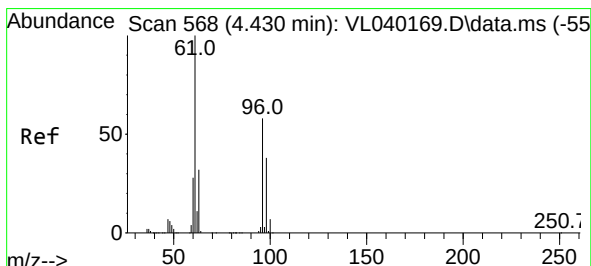
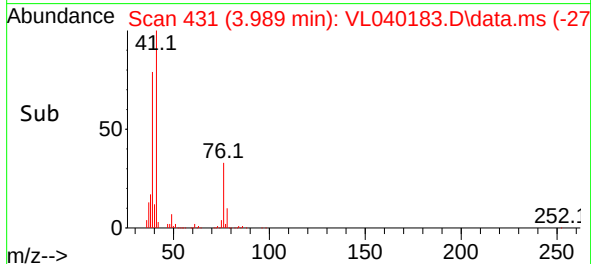
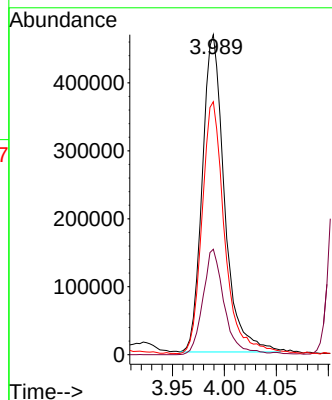
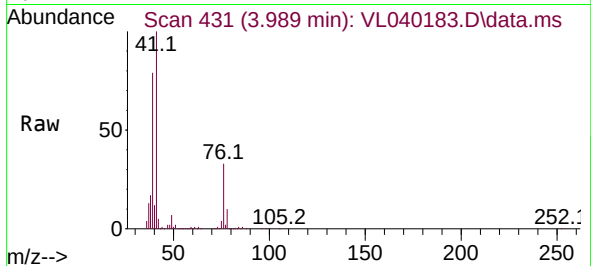




#21
 Allyl Chloride
 Concen: 10.723 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

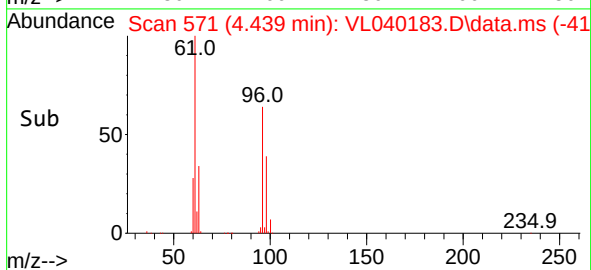
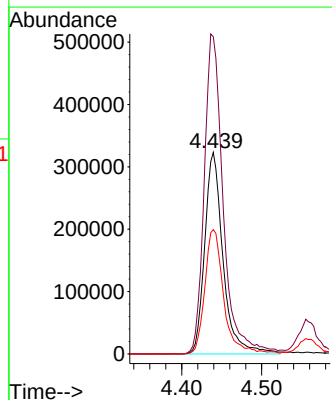
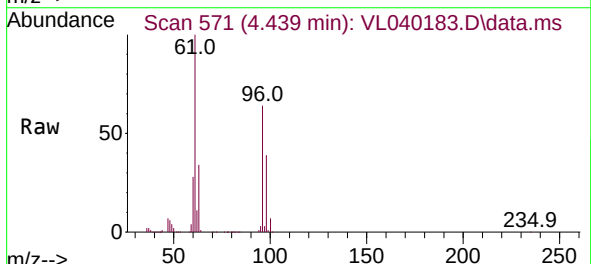
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0216ABS01

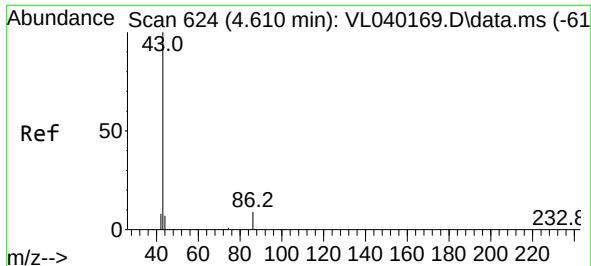
Tgt Ion: 41 Resp: 695580
 Ion Ratio Lower Upper
 41 100
 76 32.4 25.5 38.3
 39 80.7 64.5 96.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.628 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.010 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Tgt Ion: 96 Resp: 518191
 Ion Ratio Lower Upper
 96 100
 61 157.4 137.5 206.3
 98 61.7 52.8 79.2



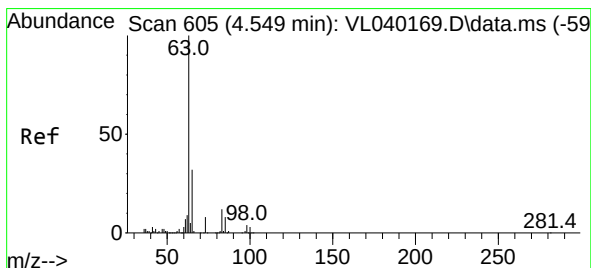
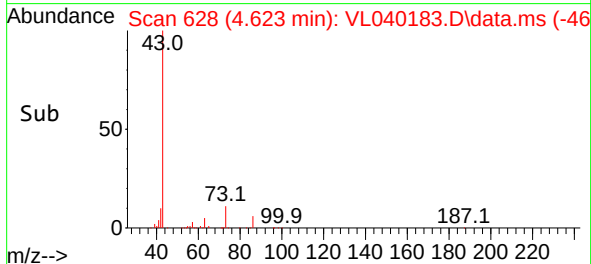
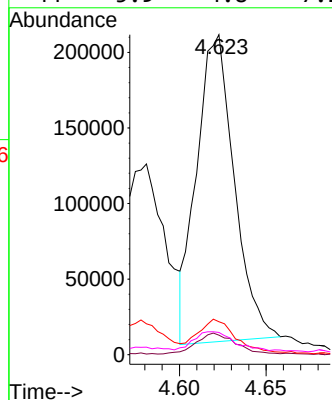
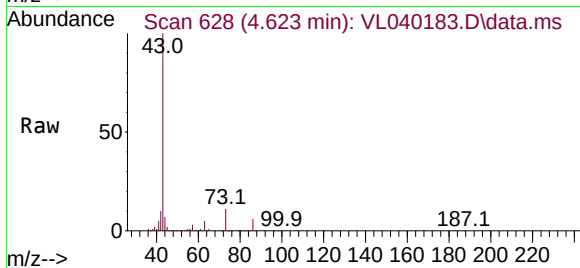


#23
 Vinyl Acetate
 Concen: 9.532 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0216ABS01

Tgt Ion: 43 Resp: 305940

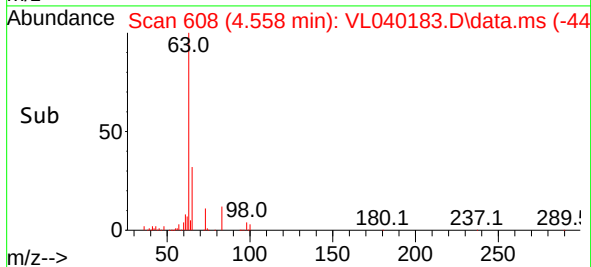
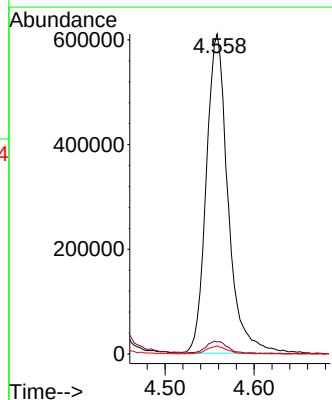
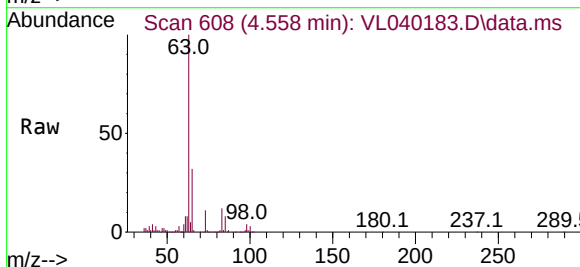
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.6	8.4
42	10.1	7.6	11.4
44	5.9	4.8	7.2

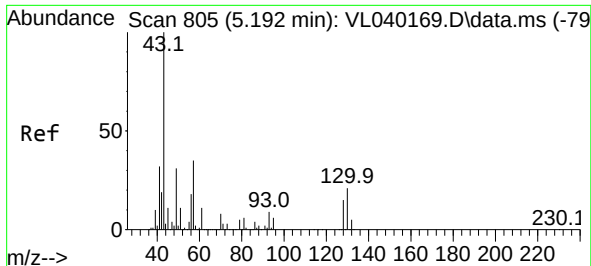


#24
 1,1-Dichloroethane
 Concen: 10.260 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.010 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Tgt Ion: 63 Resp: 1029274

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.3	6.8
100	2.5	1.4	4.0



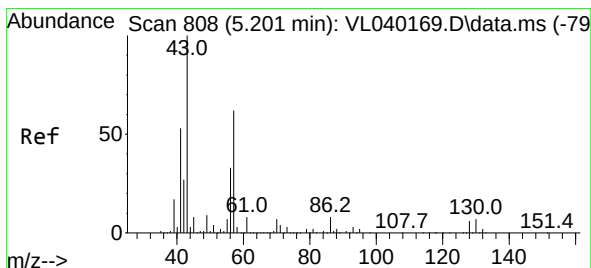
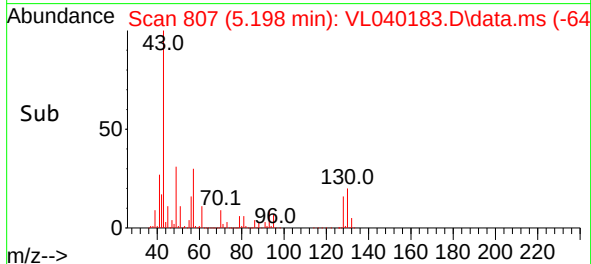
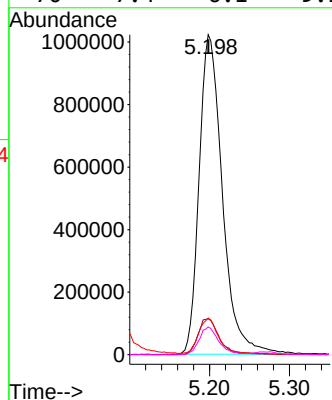
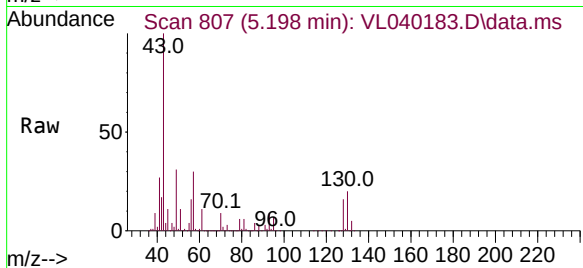


#25
Ethyl Acetate
Concen: 10.506 ppbv
RT: 5.198 min Scan# 805
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

Tgt Ion: 43 Resp: 2065463

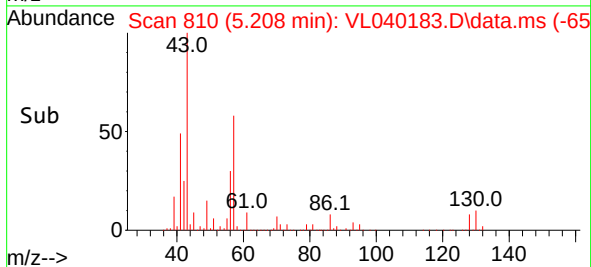
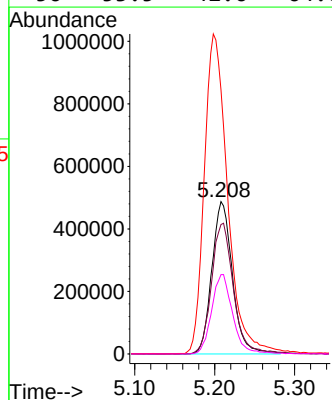
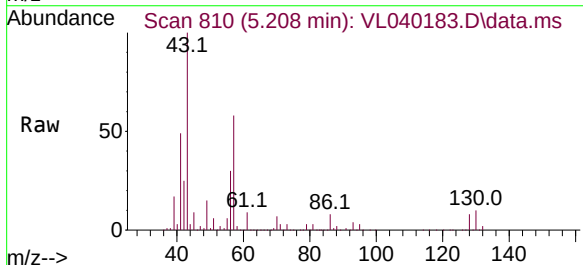
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	10.4	8.4	12.6
70	7.4	6.1	9.1

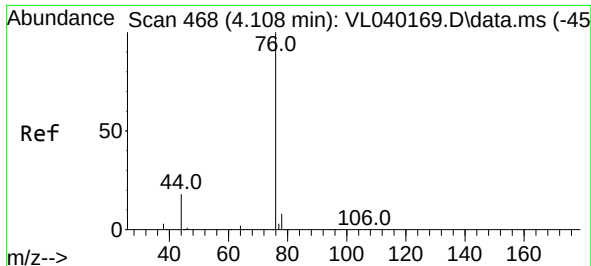


#26
Hexane
Concen: 10.338 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 57 Resp: 872526

Ion	Ratio	Lower	Upper
57	100		
41	91.7	74.3	111.5
43	238.8	193.0	289.4
56	53.5	42.6	64.0

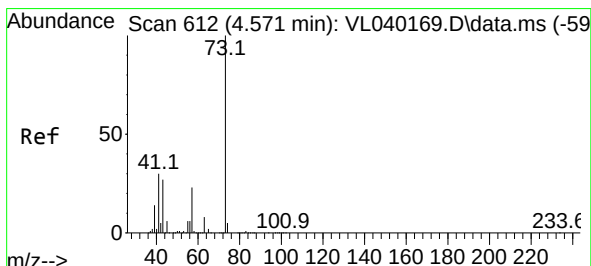
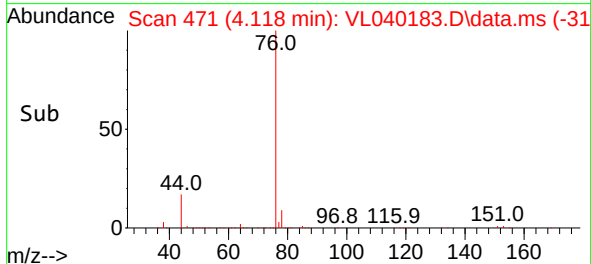
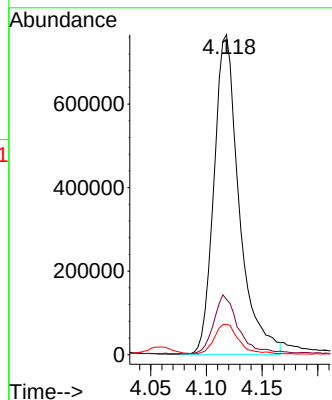
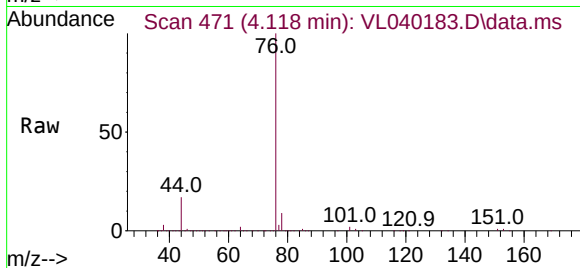




#27
Carbon Disulfide
Concen: 11.234 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

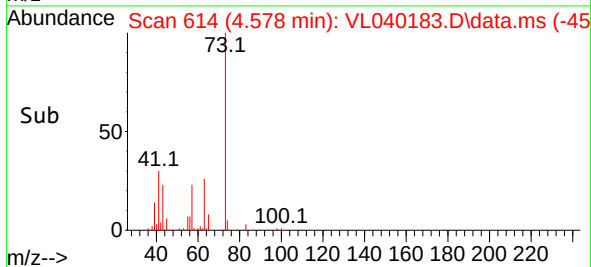
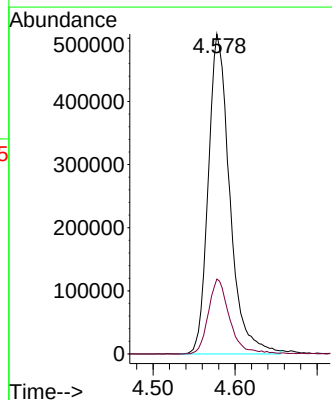
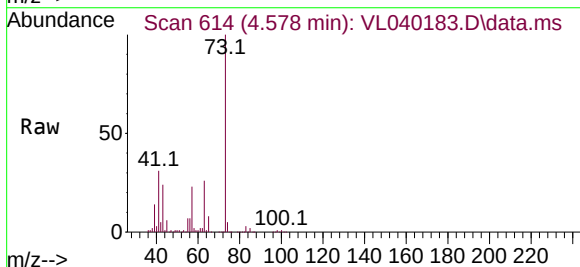
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

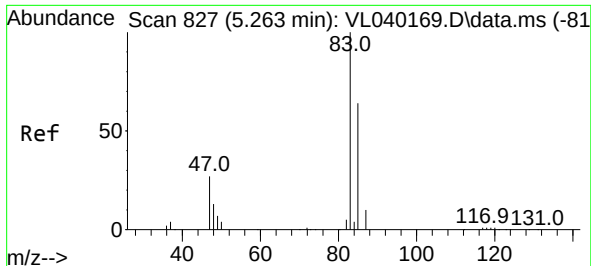
Tgt Ion: 76 Resp: 1203101
Ion Ratio Lower Upper
76 100
44 18.1 15.3 22.9
78 9.8 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.190 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 73 Resp: 921504
Ion Ratio Lower Upper
73 100
57 23.4 18.8 28.2

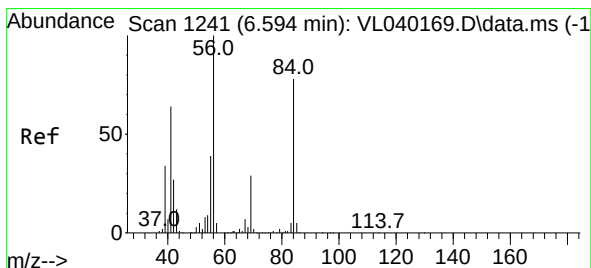
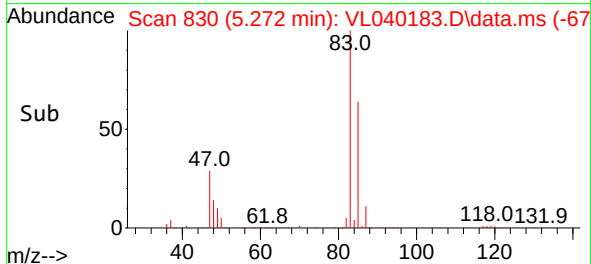
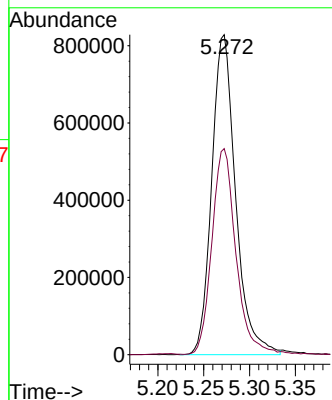
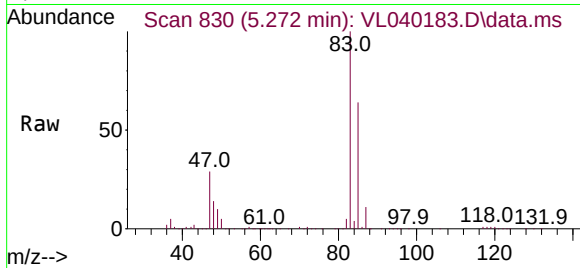




#29
Chloroform
Concen: 10.349 ppbv
RT: 5.272 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

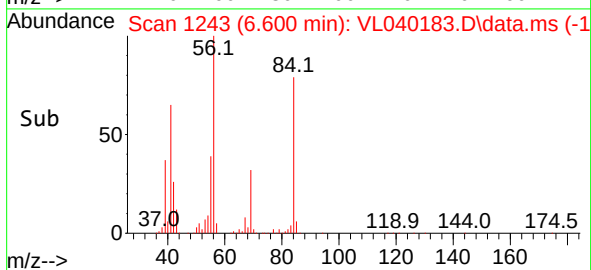
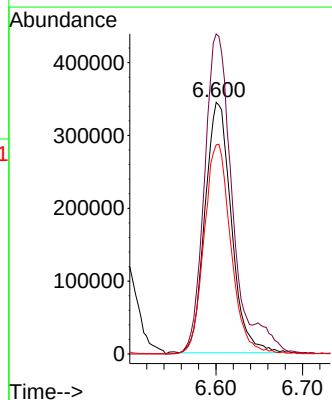
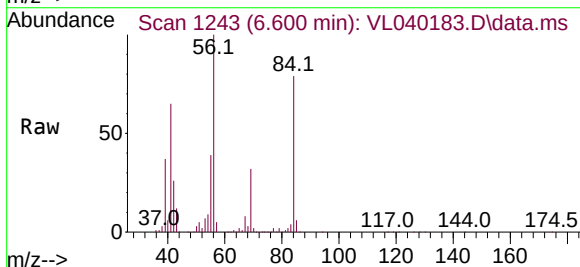
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

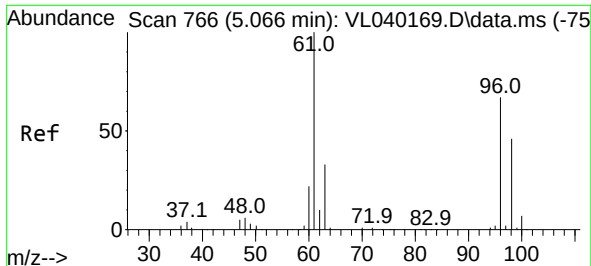
Tgt Ion: 83 Resp: 1499811
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3



#30
Cyclohexane
Concen: 10.966 ppbv
RT: 6.600 min Scan# 1243
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 84 Resp: 726744
Ion Ratio Lower Upper
84 100
56 137.6 109.9 164.9
41 85.1 67.8 101.6

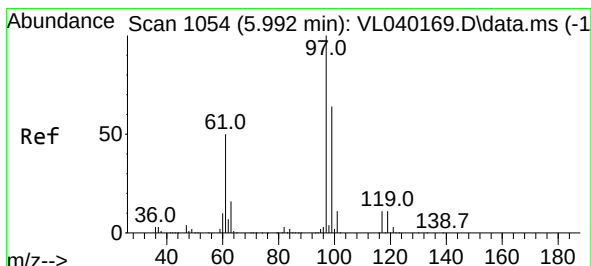
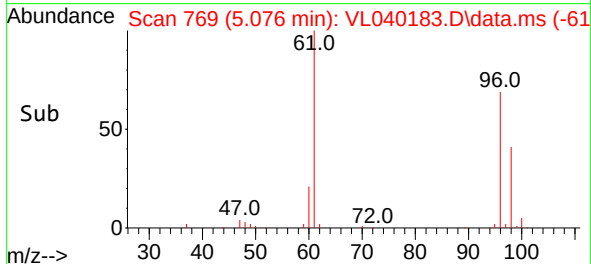
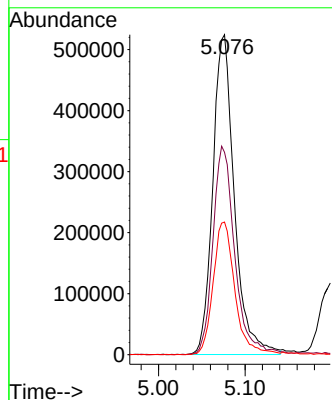
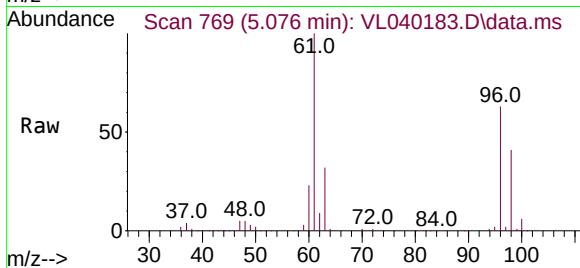




#31
 cis-1,2-Dichloroethene
 Concen: 11.283 ppbv
 RT: 5.076 min Scan# 766
 Delta R.T. 0.010 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

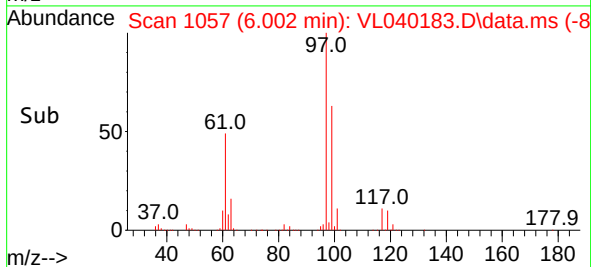
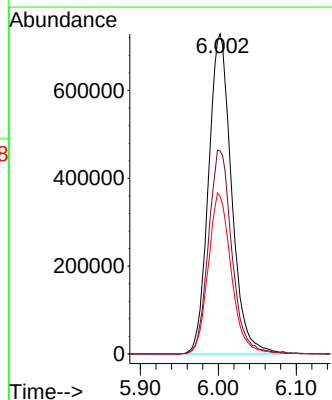
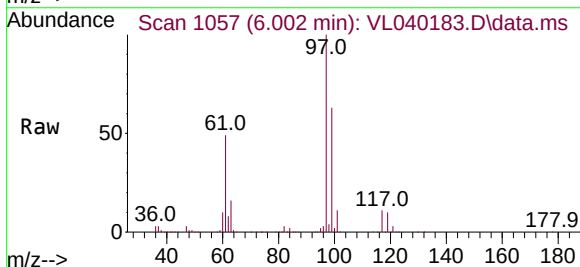
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0216ABS01

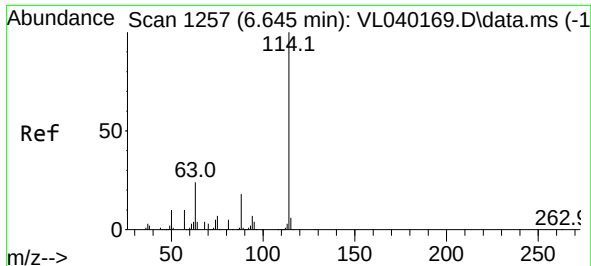
Tgt Ion: 61 Resp: 904794
 Ion Ratio Lower Upper
 61 100
 96 63.2 53.7 80.5
 98 41.5 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 11.012 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.010 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Tgt Ion: 97 Resp: 1499294
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 50.2 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

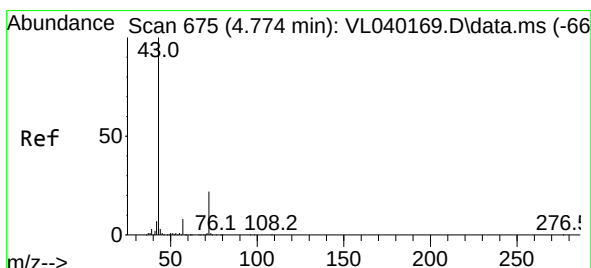
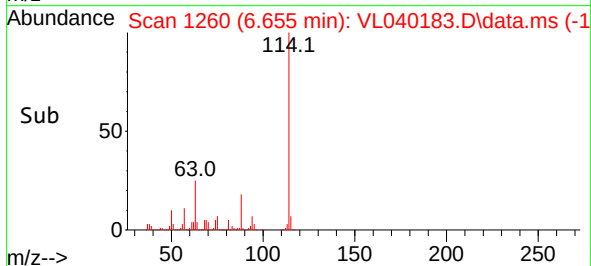
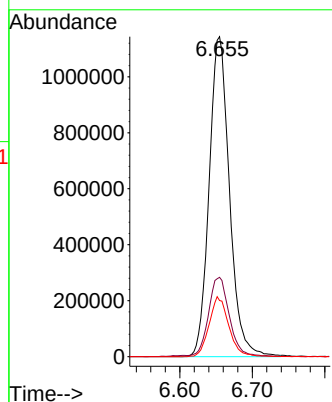
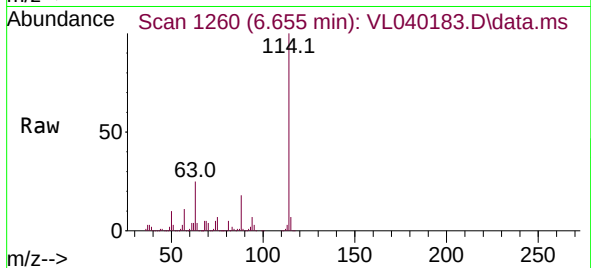
Tgt Ion:114 Resp: 2227670

Ion Ratio Lower Upper

114 100

63 25.8 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 10.294 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.007 min

Lab File: VL040183.D

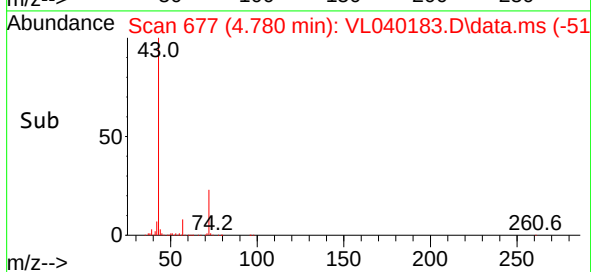
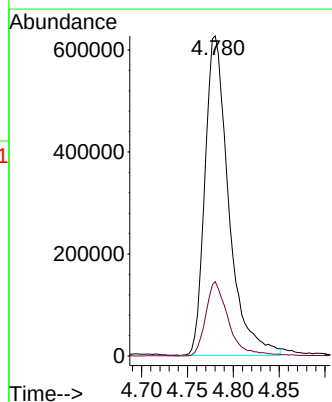
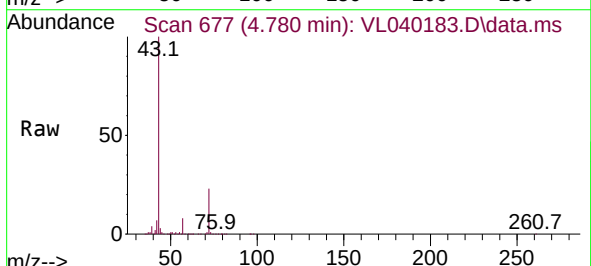
Acq: 16 Feb 2023 17:11

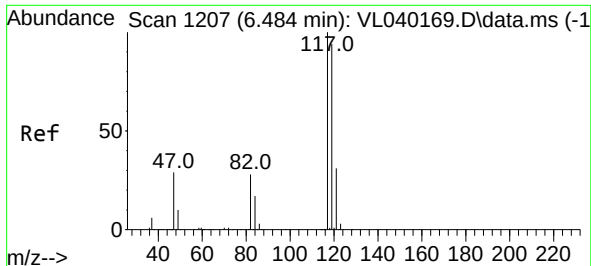
Tgt Ion: 43 Resp: 1131214

Ion Ratio Lower Upper

43 100

72 22.6 17.8 26.8



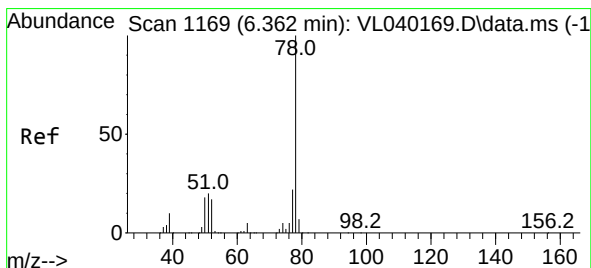
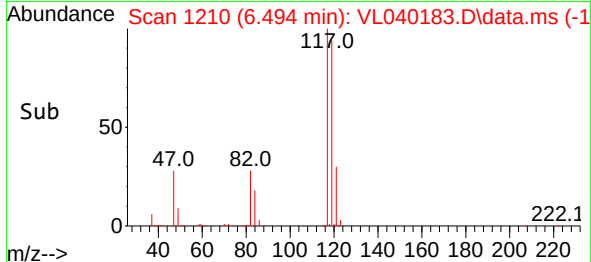
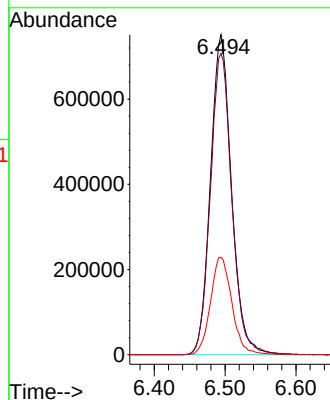
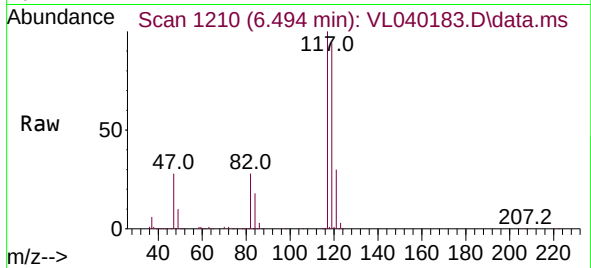


#35
Carbon Tetrachloride
Concen: 11.767 ppbv
RT: 6.494 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

Tgt Ion:117 Resp: 1549582

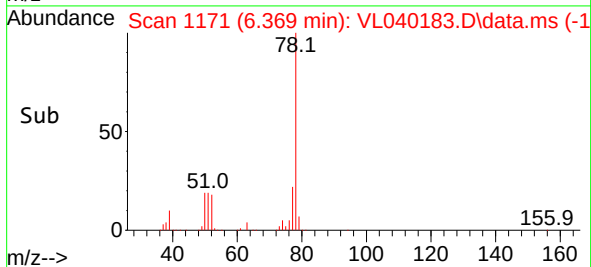
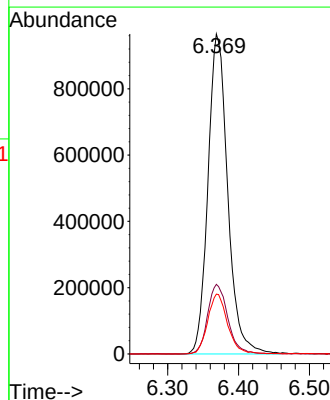
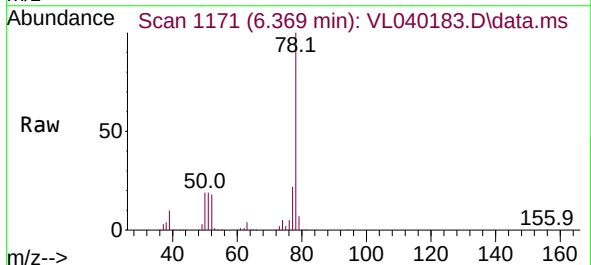
Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
121	30.4	25.0	37.4

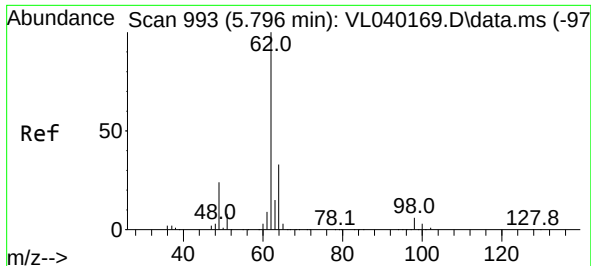


#36
Benzene
Concen: 10.773 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 78 Resp: 1867675

Ion	Ratio	Lower	Upper
78	100		
77	21.7	17.5	26.3
50	18.7	14.6	22.0





#37

1,2-Dichloroethane

Concen: 10.751 ppbv

RT: 5.803 min Scan# 995

Delta R.T. 0.007 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

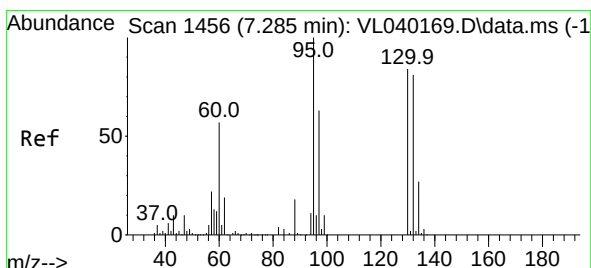
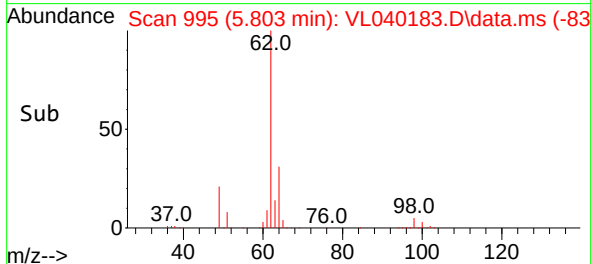
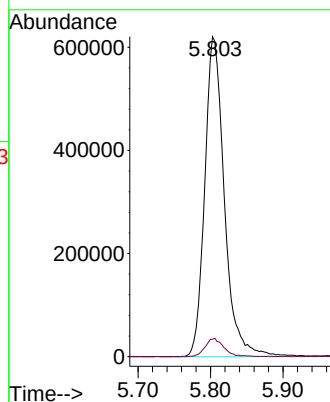
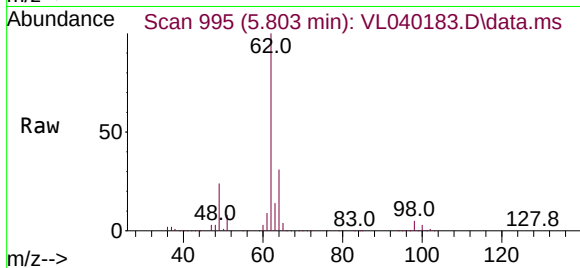
VL0216ABS01

Tgt Ion: 62 Resp: 1165636

Ion Ratio Lower Upper

62 100

98 5.6 4.7 7.1



#38

Trichloroethene

Concen: 11.726 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Tgt Ion:130 Resp: 1120192

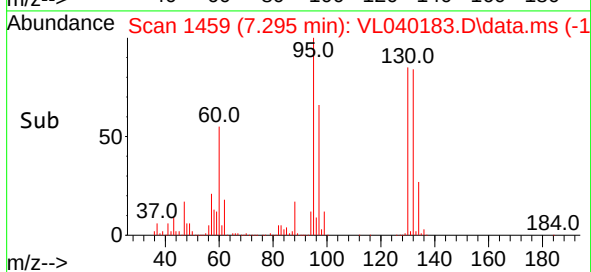
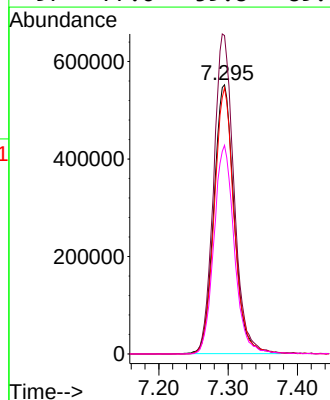
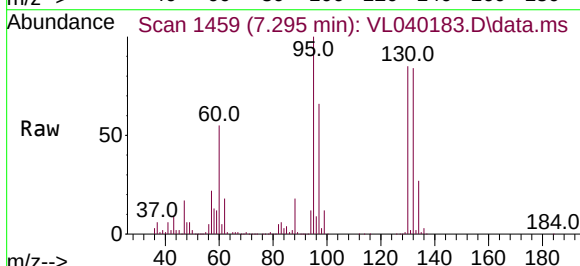
Ion Ratio Lower Upper

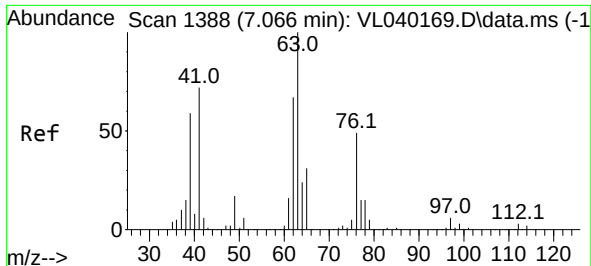
130 100

95 118.4 94.7 142.1

132 99.0 76.4 114.6

97 77.6 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.573 ppbv

RT: 7.076 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

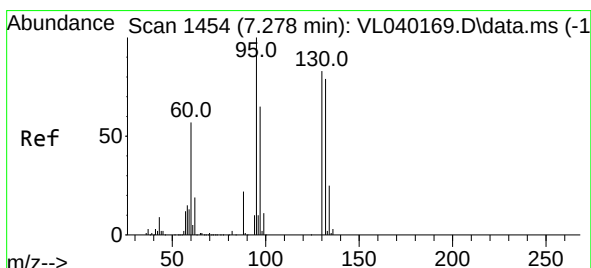
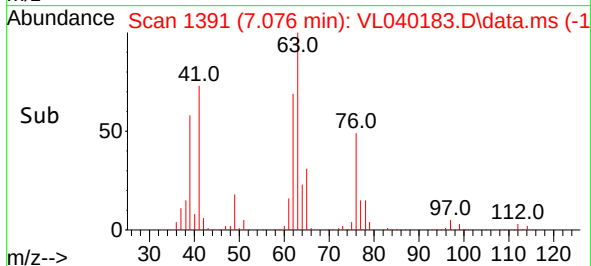
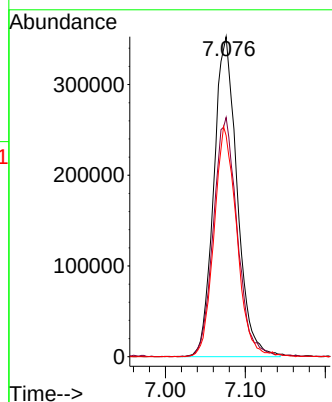
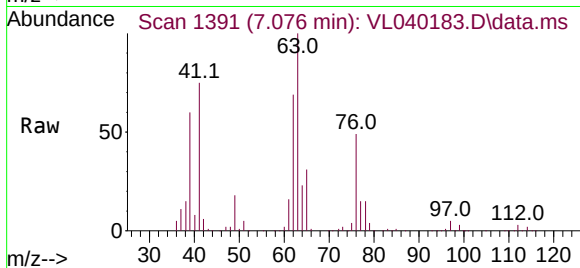
Tgt Ion: 63 Resp: 713011

Ion Ratio Lower Upper

63 100

41 74.6 57.6 86.4

62 69.0 54.0 81.0



#40

1,4-Dioxane

Concen: 10.528 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Tgt Ion: 88 Resp: 284010

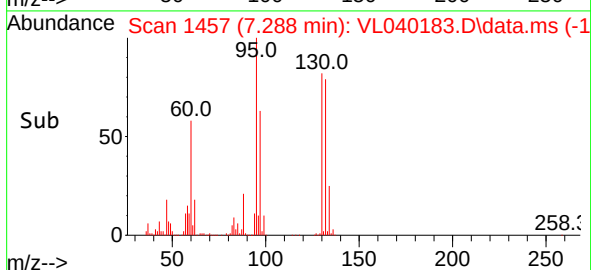
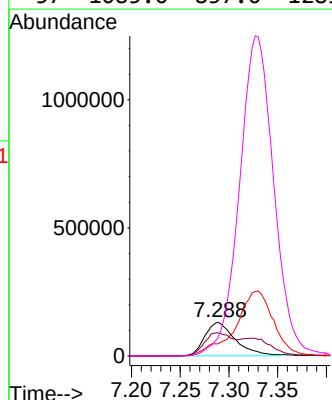
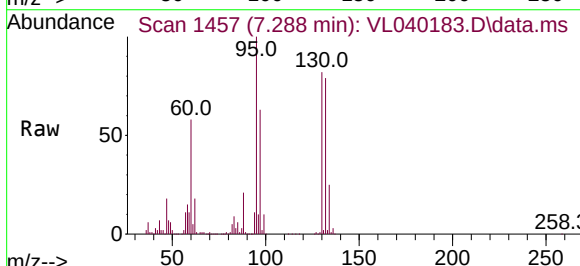
Ion Ratio Lower Upper

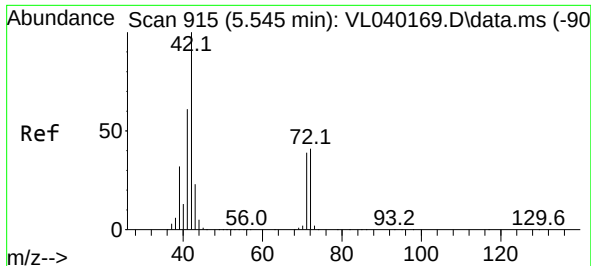
88 100

58 120.5 97.4 146.0

43 242.7 193.5 290.3

57 1085.0 857.0 1285.6





#41

Tetrahydrofuran

Concen: 11.133 ppbv

RT: 5.552 min Scan# 915

Delta R.T. 0.007 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

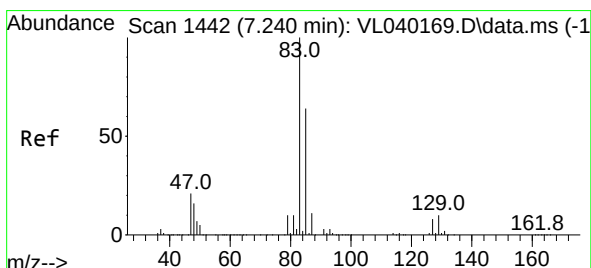
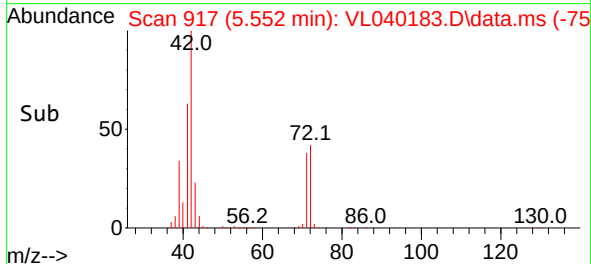
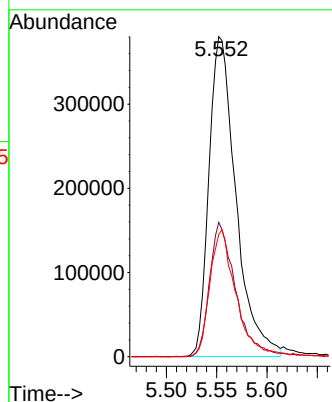
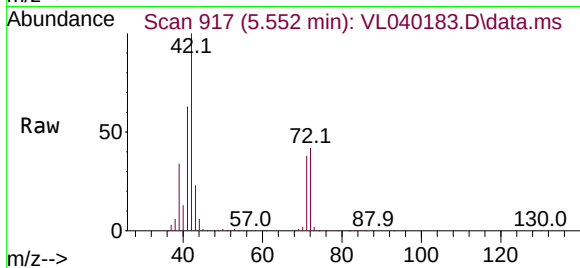
Tgt Ion: 42 Resp: 708936

Ion Ratio Lower Upper

42 100

72 41.2 33.0 49.4

71 39.1 31.4 47.2



#42

Bromodichloromethane

Concen: 11.168 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

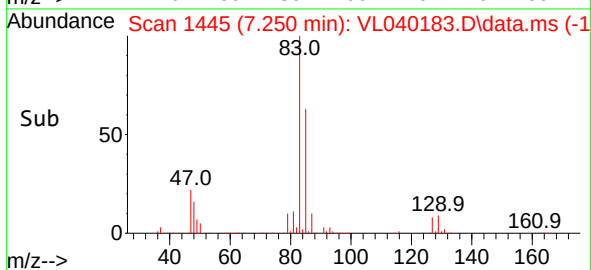
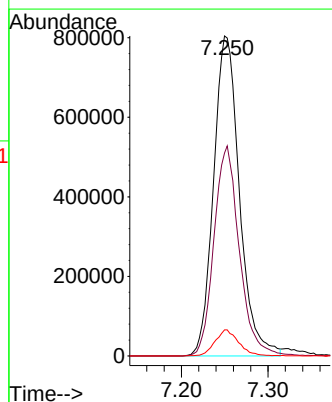
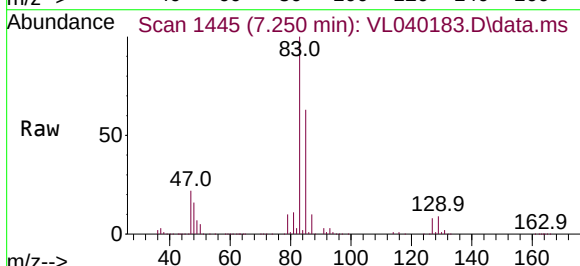
Tgt Ion: 83 Resp: 1671274

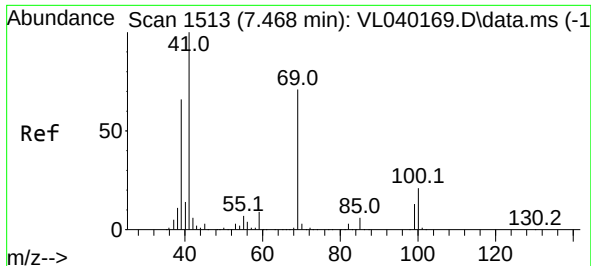
Ion Ratio Lower Upper

83 100

85 63.4 50.9 76.3

127 8.1 6.2 9.2

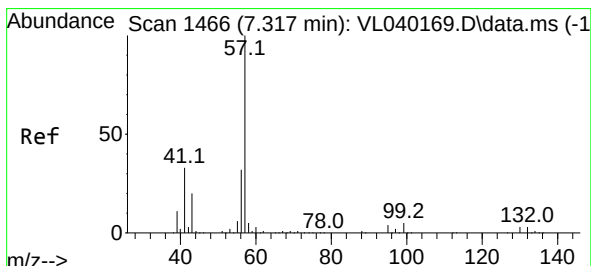
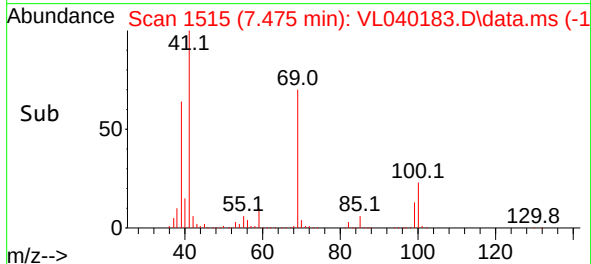
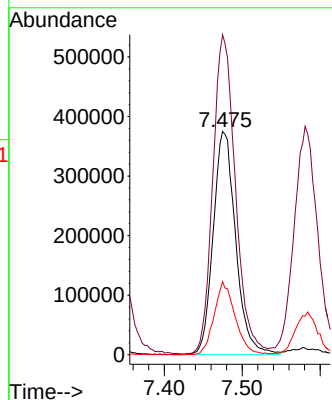
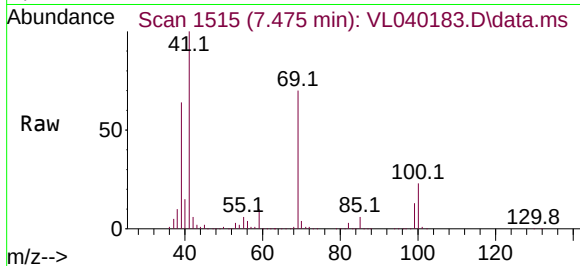




#43
Methyl Methacrylate
Concen: 11.731 ppbv
RT: 7.475 min Scan# 1515
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

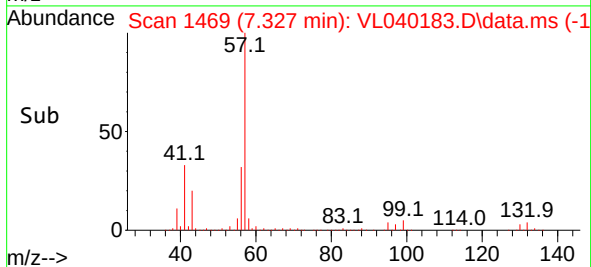
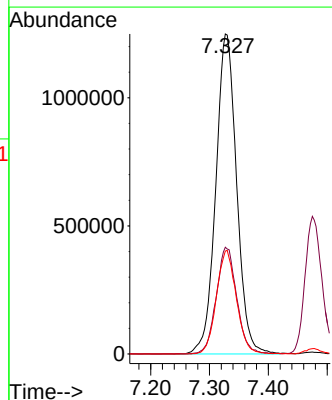
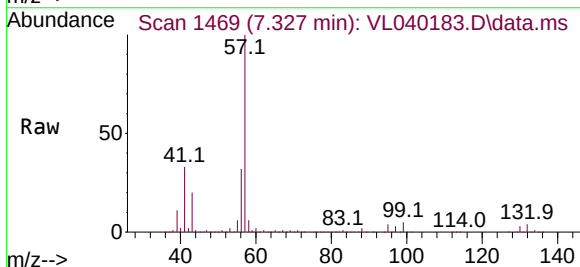
Instrument :
MSVOA_1
ClientSampleId :
VL0216ABS01

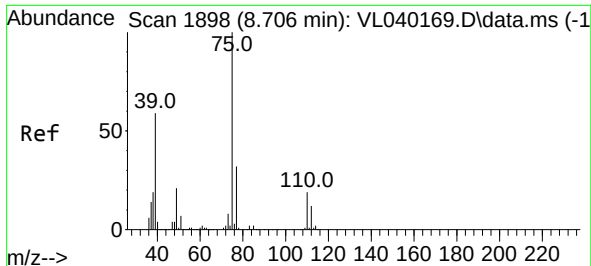
Tgt Ion: 69 Resp: 752498
Ion Ratio Lower Upper
69 100
41 144.3 116.6 174.8
100 30.7 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.639 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 57 Resp: 3078776
Ion Ratio Lower Upper
57 100
41 32.9 26.2 39.4
56 31.2 24.9 37.3

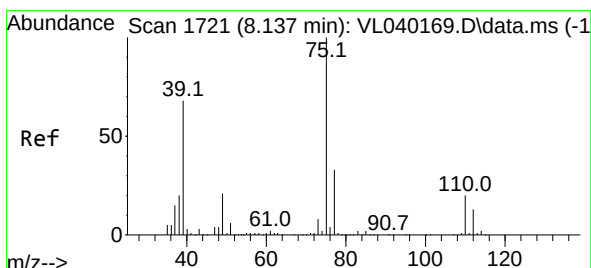
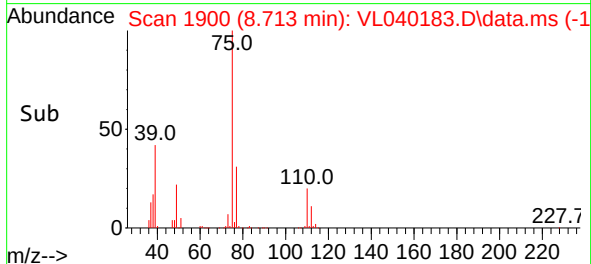
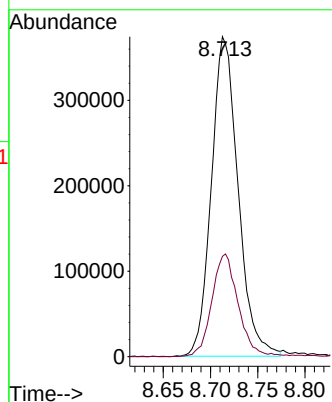
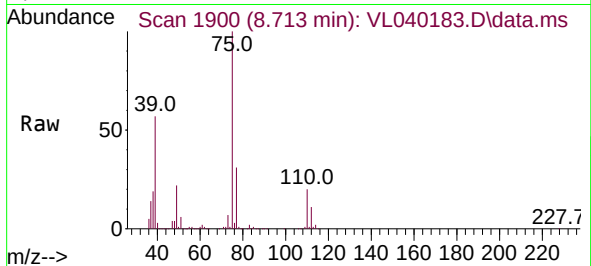




#45
t-1,3-Dichloropropene
Concen: 12.924 ppbv
RT: 8.713 min Scan# 1898
Delta R.T. 0.007 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

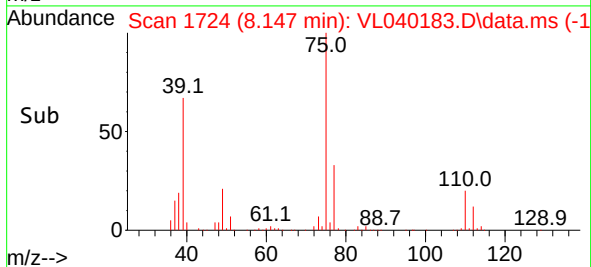
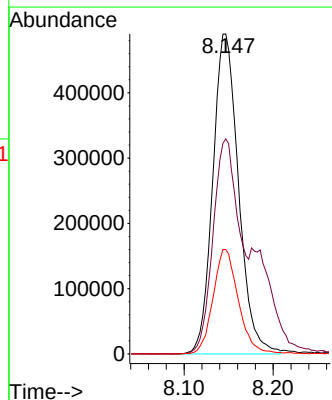
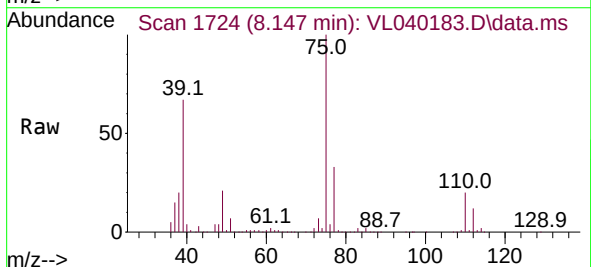
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

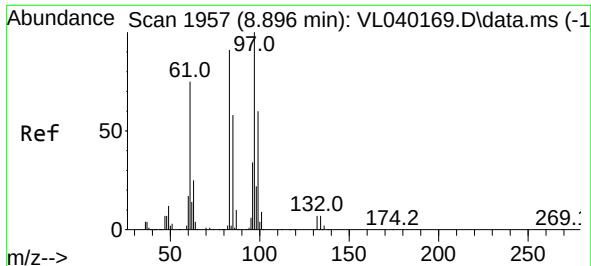
Tgt Ion: 75 Resp: 735416
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5



#46
cis-1,3-Dichloropropene
Concen: 12.423 ppbv
RT: 8.147 min Scan# 1724
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 75 Resp: 984776
Ion Ratio Lower Upper
75 100
39 67.1 54.2 81.2
77 32.6 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.715 ppbv

RT: 8.902 min Scan# 1957

Delta R.T. 0.007 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

Tgt Ion: 97 Resp: 781619

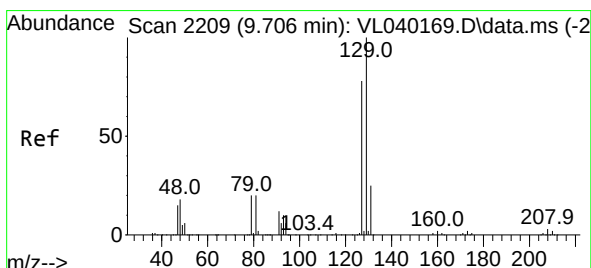
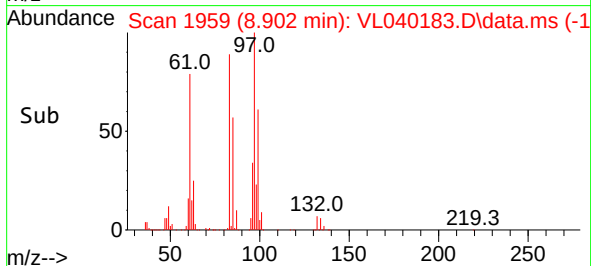
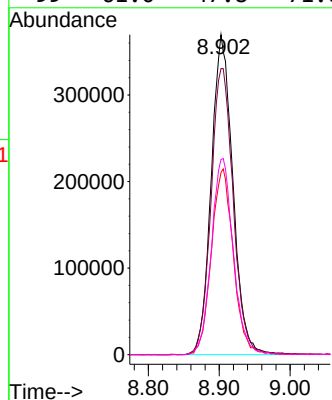
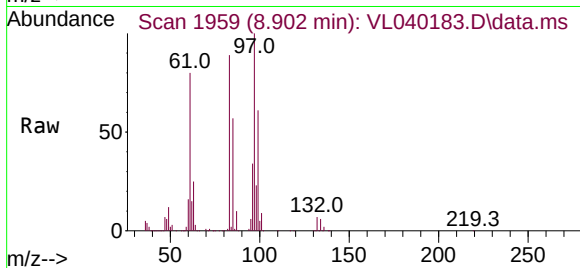
Ion Ratio Lower Upper

97 100

83 89.4 72.8 109.2

85 56.8 46.6 69.8

99 61.0 47.8 71.6



#48

Dibromochloromethane

Concen: 11.660 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.013 min

Lab File: VL040183.D

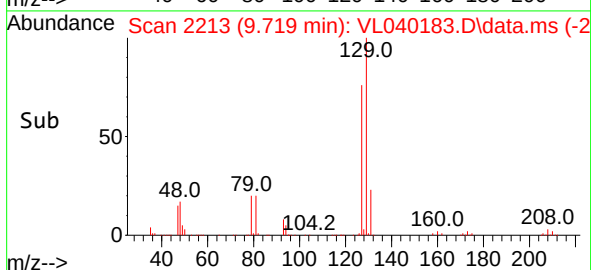
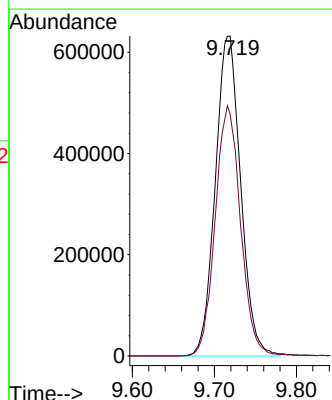
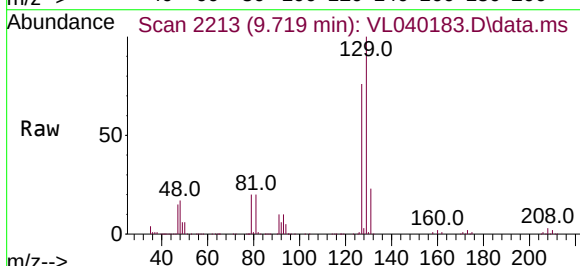
Acq: 16 Feb 2023 17:11

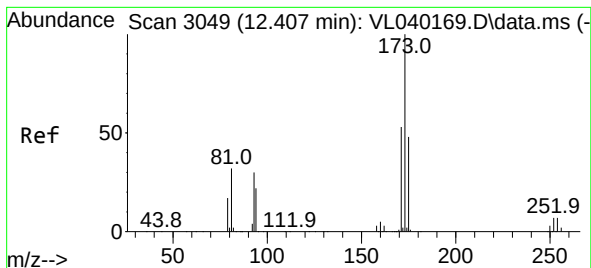
Tgt Ion: 129 Resp: 1360420

Ion Ratio Lower Upper

129 100

127 78.1 39.1 117.2





#49

Bromoform

Concen: 11.899 ppbv

RT: 12.417 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

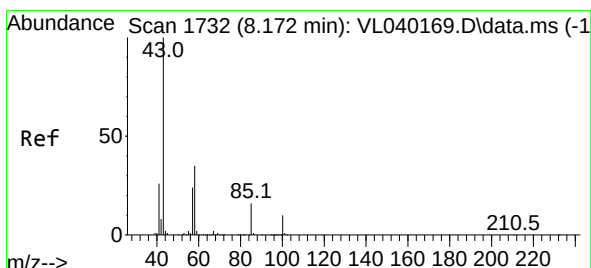
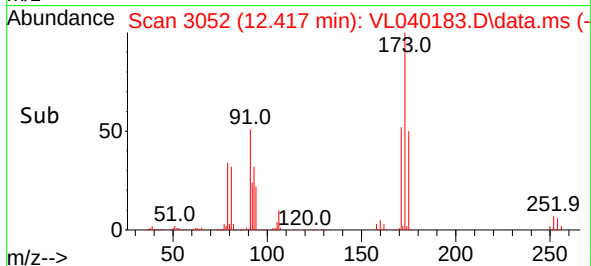
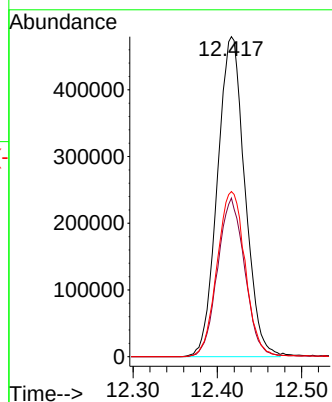
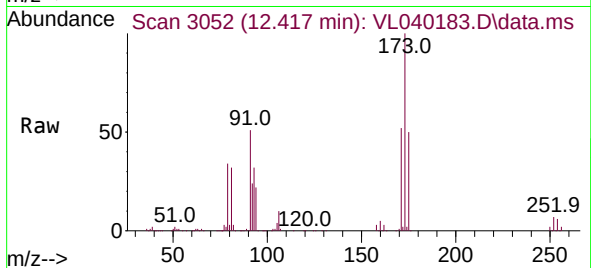
Tgt Ion:173 Resp: 1083501

Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.0

171 53.1 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 11.161 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.010 min

Lab File: VL040183.D

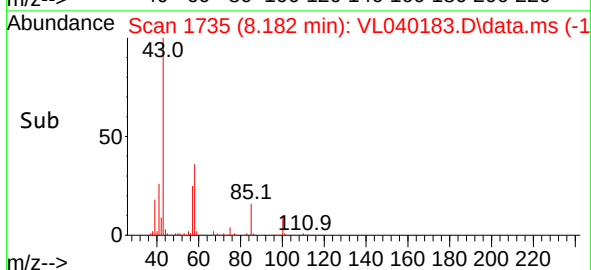
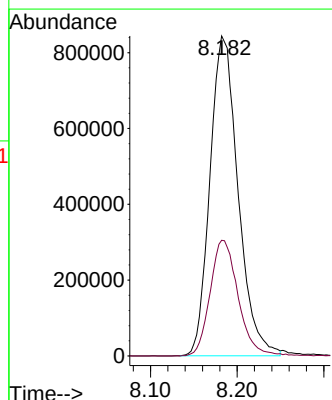
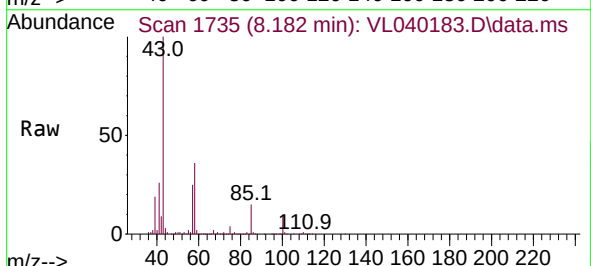
Acq: 16 Feb 2023 17:11

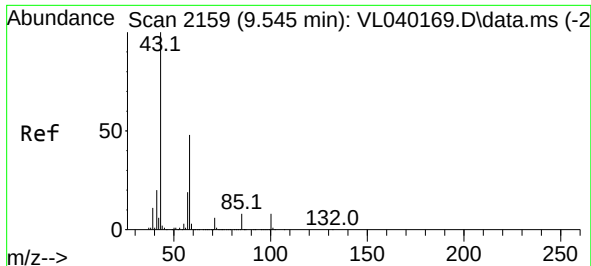
Tgt Ion: 43 Resp: 1904398

Ion Ratio Lower Upper

43 100

58 36.2 29.2 43.8

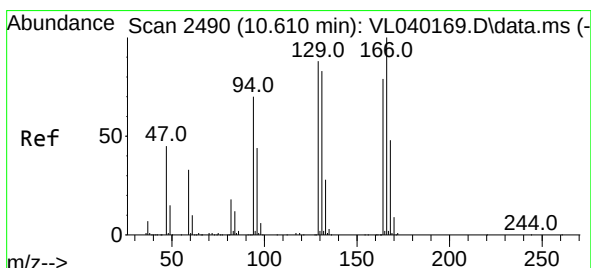
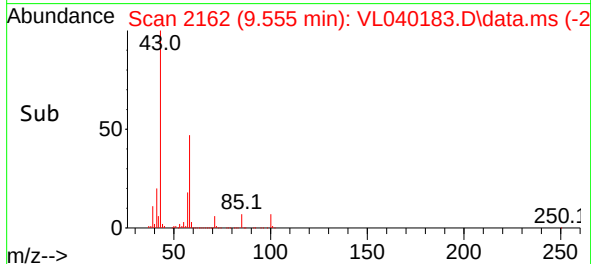
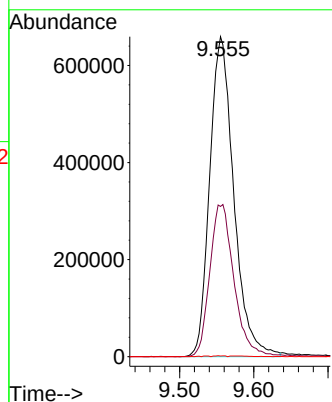
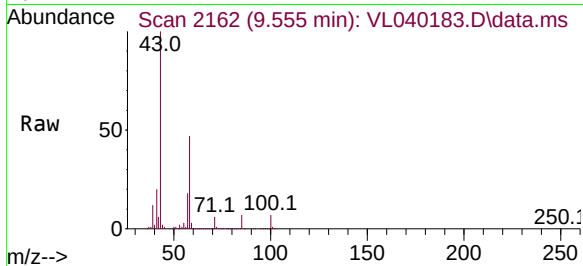




#51
2-Hexanone
Concen: 11.318 ppbv
RT: 9.555 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

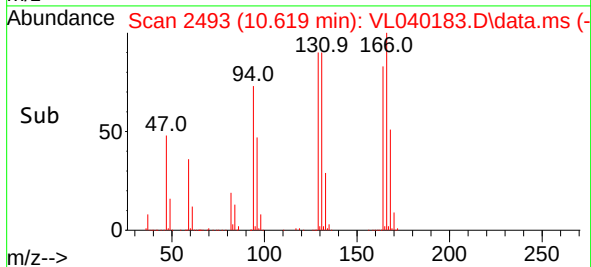
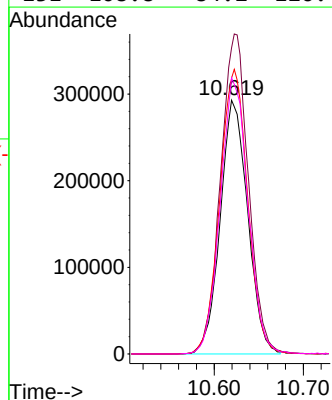
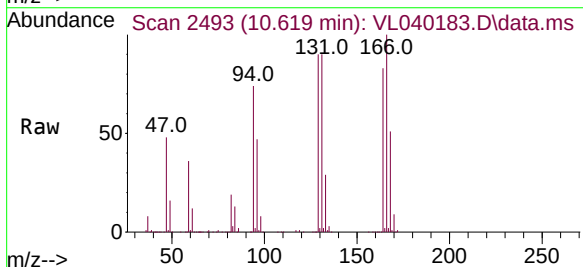
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

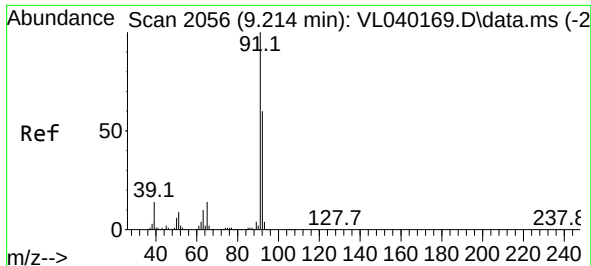
Tgt Ion: 43 Resp: 1485156
Ion Ratio Lower Upper
43 100
58 48.2 39.1 58.7
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 11.593 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 164 Resp: 627604
Ion Ratio Lower Upper
164 100
166 120.4 101.5 152.3
129 108.7 89.0 133.4
131 108.8 84.2 126.4

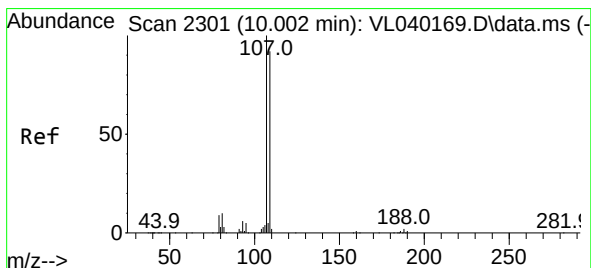
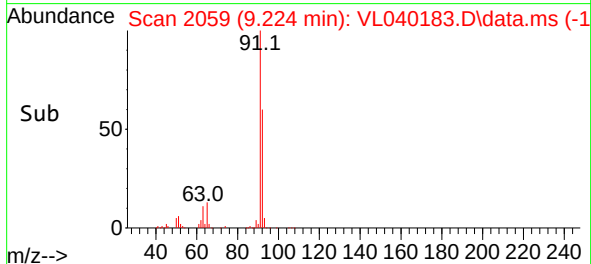
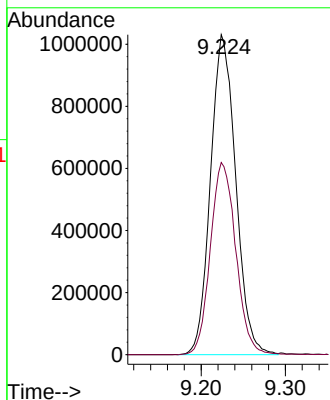
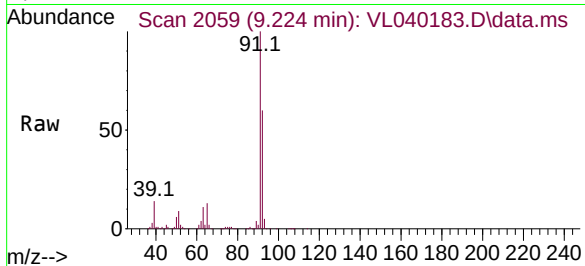




#53
Toluene
Concen: 11.527 ppbv
RT: 9.224 min Scan# 2056
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

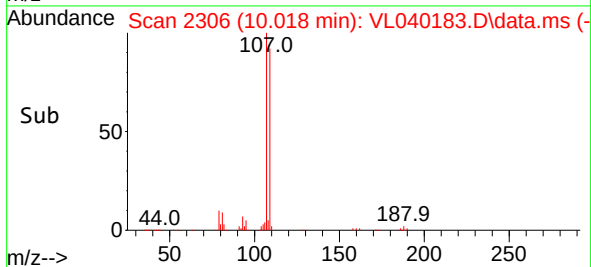
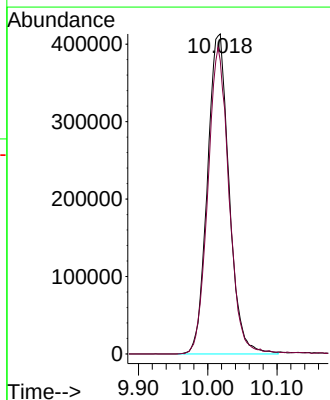
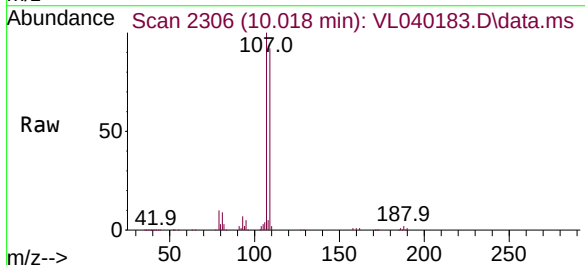
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

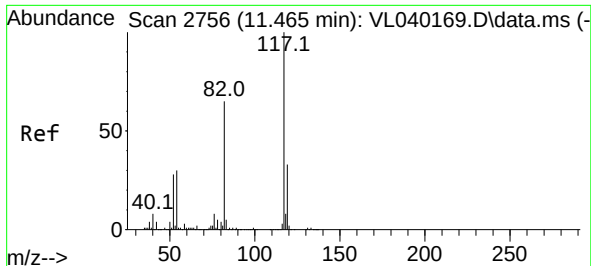
Tgt Ion: 91 Resp: 2140451
Ion Ratio Lower Upper
91 100
92 60.7 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.819 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. 0.016 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 107 Resp: 897019
Ion Ratio Lower Upper
107 100
109 91.6 73.8 110.8

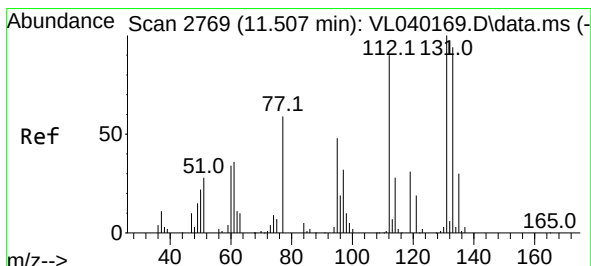
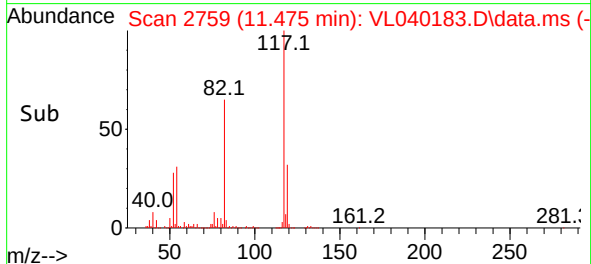
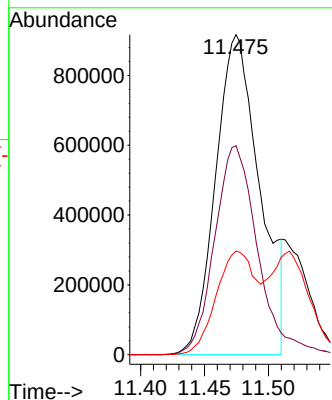
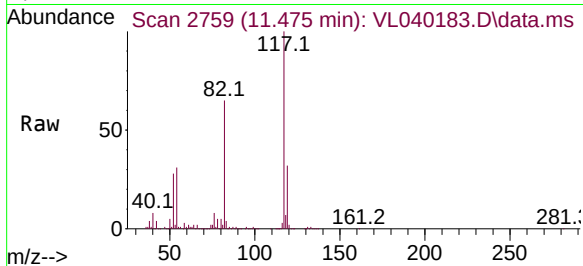




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.475 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

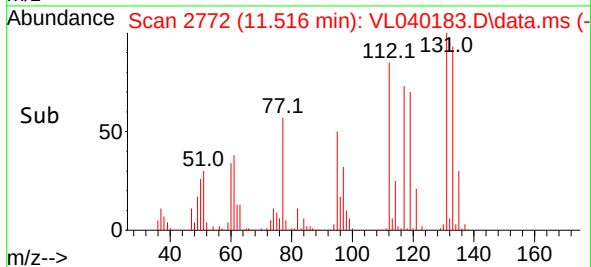
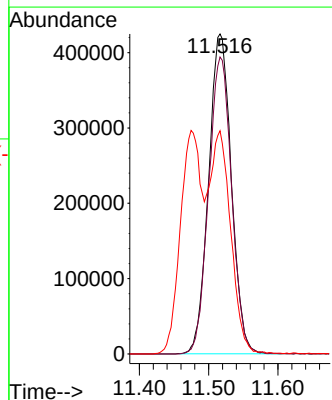
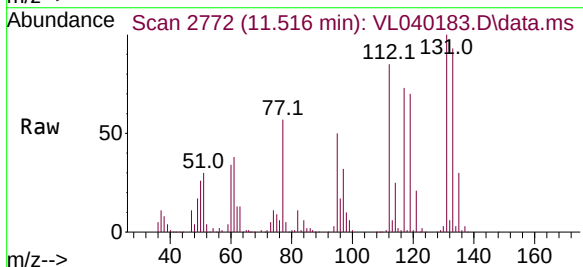
Instrument :
MSVOA_1
ClientSampleId :
VL0216ABS01

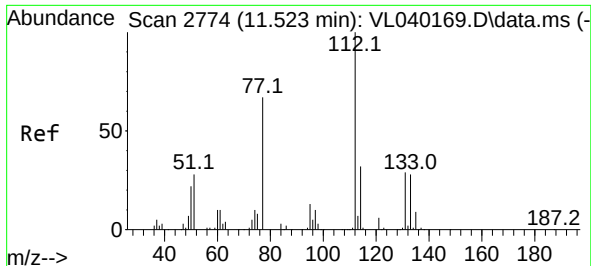
Tgt Ion:117 Resp: 2199756
Ion Ratio Lower Upper
117 100
82 63.8 53.3 79.9
119 27.1 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 10.468 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion:131 Resp: 966587
Ion Ratio Lower Upper
131 100
133 94.2 76.2 114.2
119 62.3 45.4 68.0

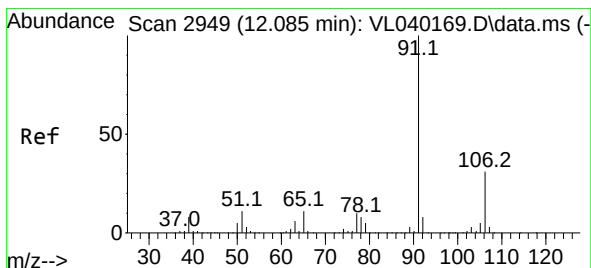
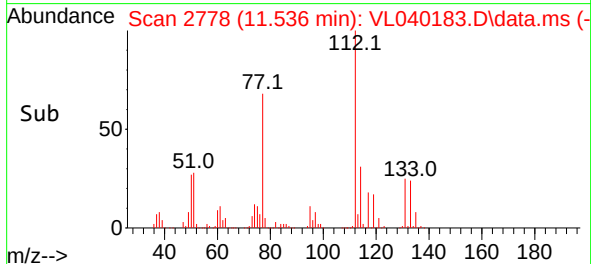
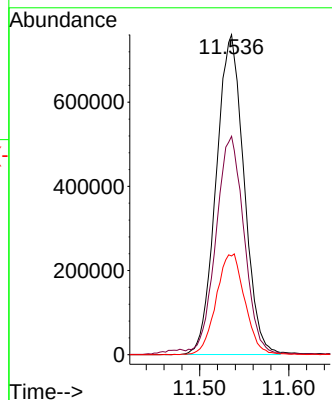
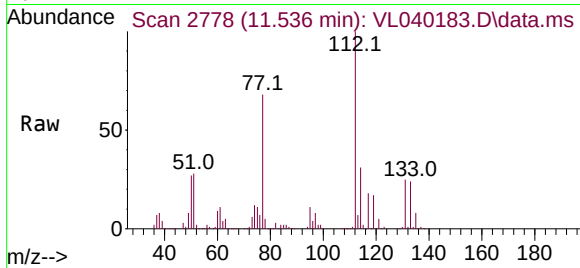




#57
Chlorobenzene
Concen: 10.267 ppbv
RT: 11.536 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

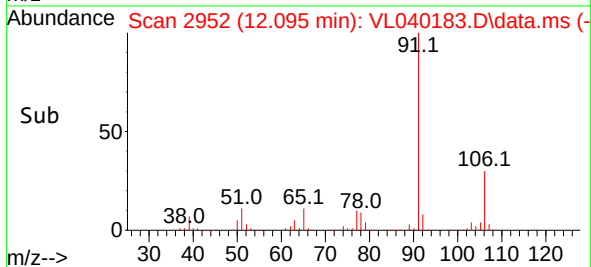
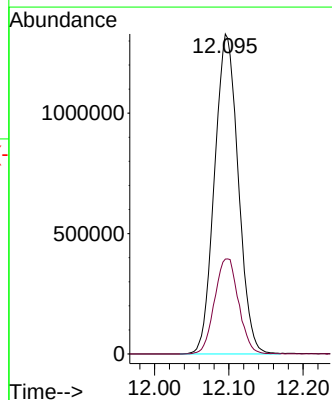
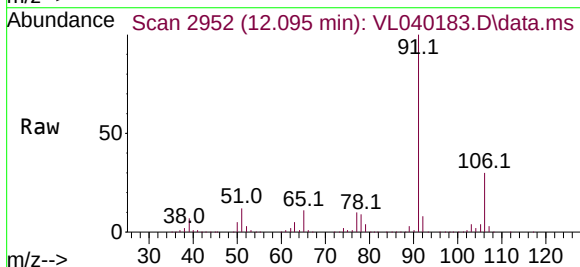
Instrument :
MSVOA_1
ClientSampleId :
VL0216ABS01

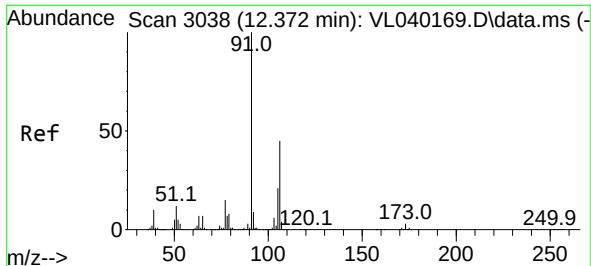
Tgt Ion:112 Resp: 1650058
Ion Ratio Lower Upper
112 100
77 67.7 55.0 82.4
114 30.8 29.0 35.4



#58
Ethyl Benzene
Concen: 11.031 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 91 Resp: 2948183
Ion Ratio Lower Upper
91 100
106 29.7 24.9 37.3





#59

m/p-Xylene

Concen: 21.627 ppbv m

RT: 12.381 min Scan# 3038

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

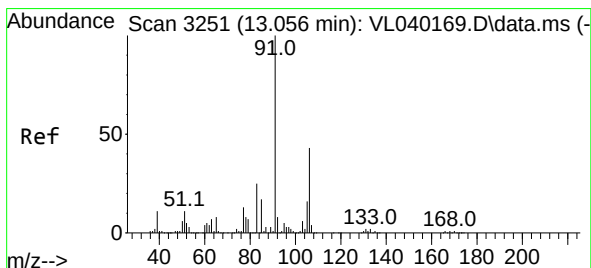
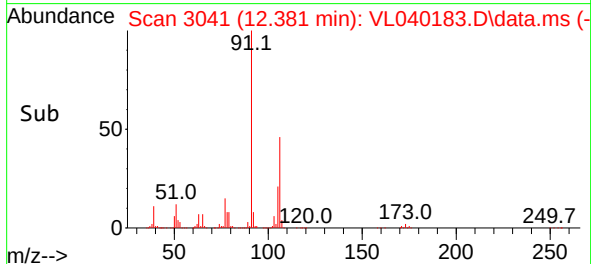
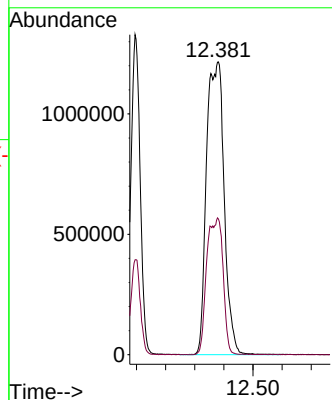
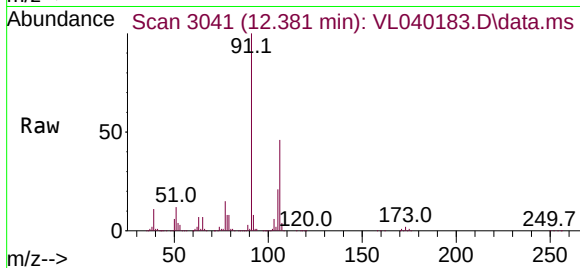
VL0216ABS01

Tgt Ion: 91 Resp: 5119734

Ion Ratio Lower Upper

91 100

106 43.2 34.6 51.8



#60

o-Xylene

Concen: 10.750 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.010 min

Lab File: VL040183.D

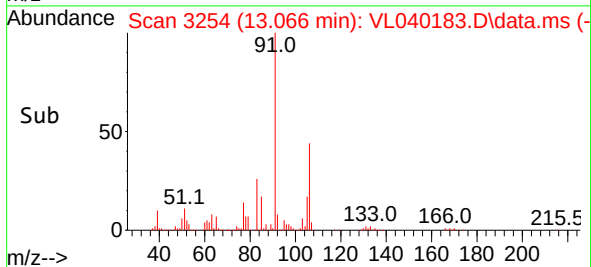
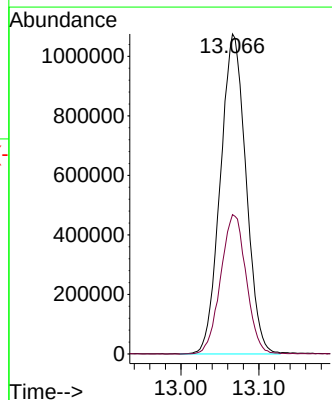
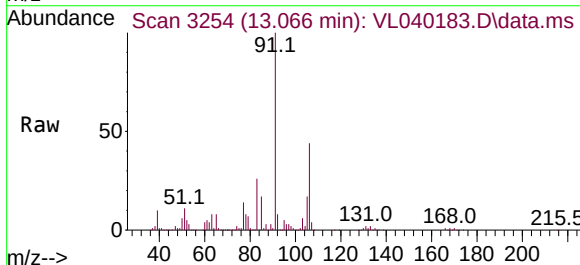
Acq: 16 Feb 2023 17:11

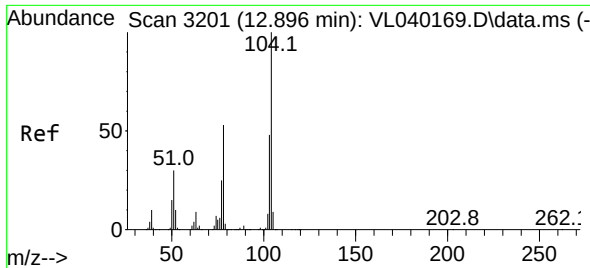
Tgt Ion: 91 Resp: 2448564

Ion Ratio Lower Upper

91 100

106 43.6 21.6 65.0

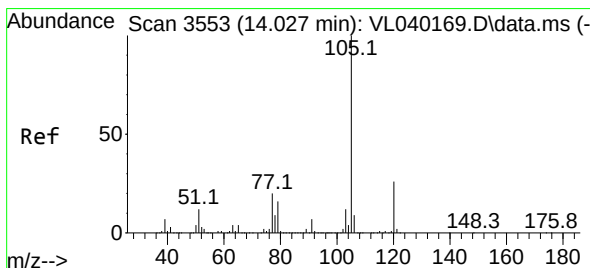
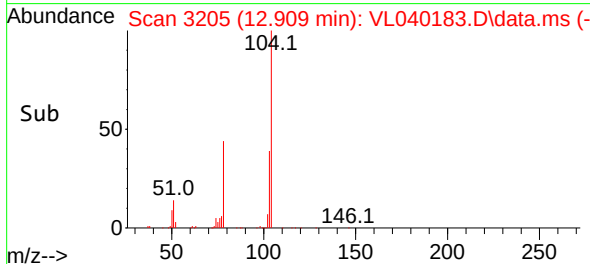
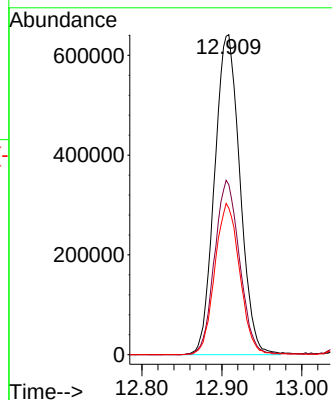
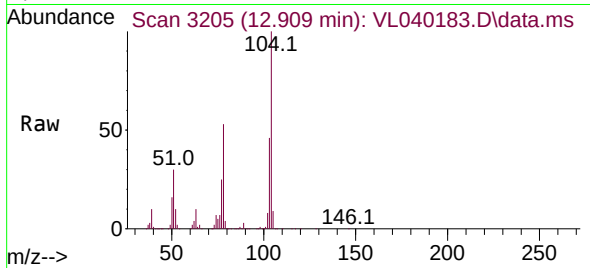




#61
Styrene
Concen: 11.814 ppbv
RT: 12.909 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

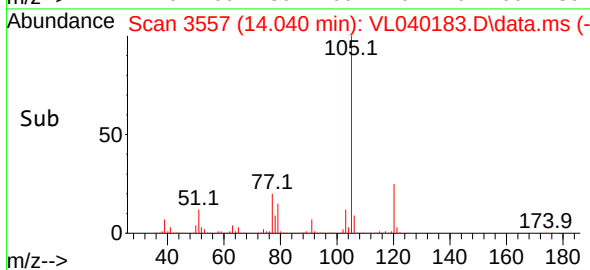
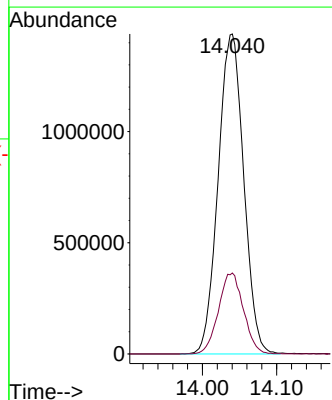
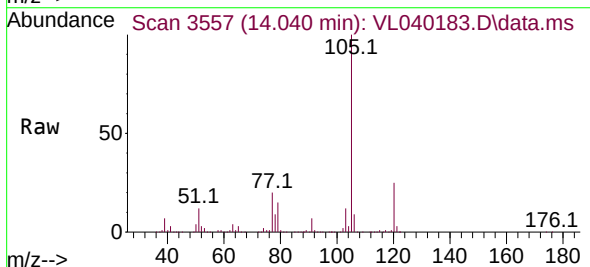
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

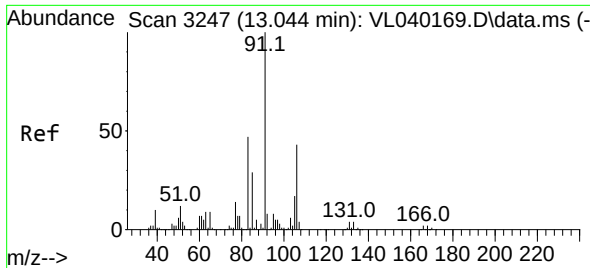
Tgt Ion:104 Resp: 1412858
Ion Ratio Lower Upper
104 100
78 53.9 42.3 63.5
103 46.6 37.5 56.3



#62
Isopropylbenzene
Concen: 10.525 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion:105 Resp: 3441092
Ion Ratio Lower Upper
105 100
120 24.8 20.3 30.5

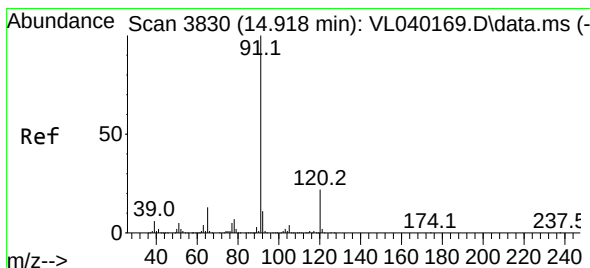
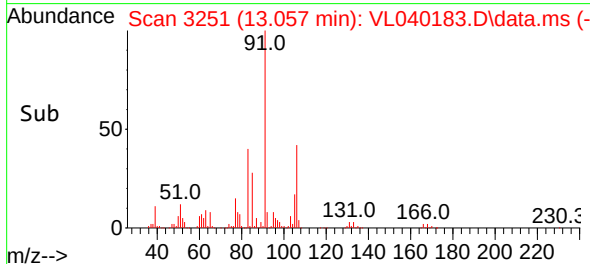
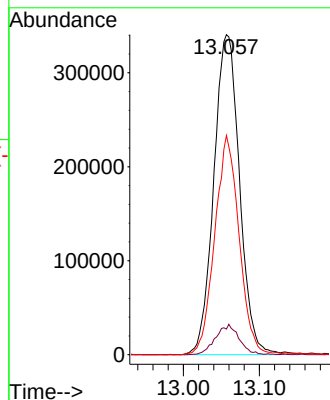
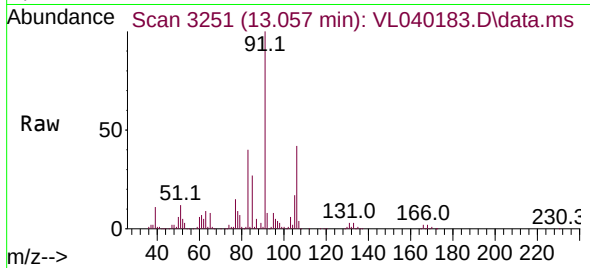




#63
1,1,2,2-Tetrachloroethane
Concen: 9.742 ppbv
RT: 13.057 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

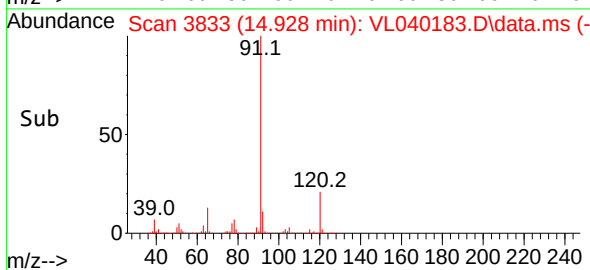
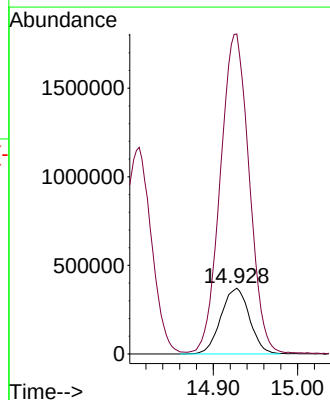
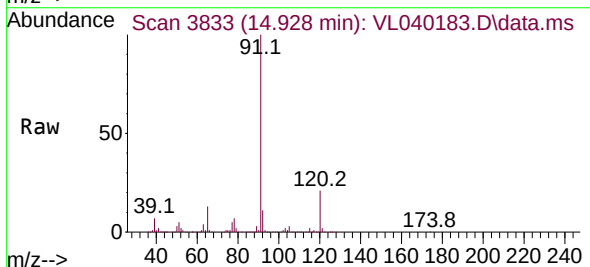
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

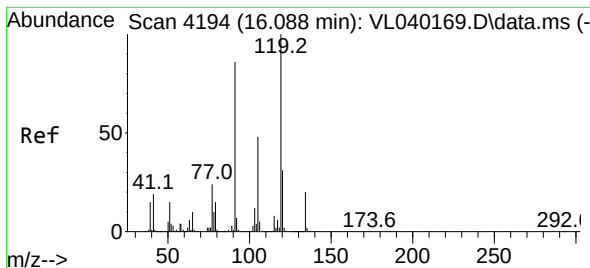
Tgt Ion: 83 Resp: 799685
Ion Ratio Lower Upper
83 100
131 8.7 4.4 13.2
85 65.3 33.0 99.0



#64
n-propylbenzene
Concen: 10.766 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 120 Resp: 871171
Ion Ratio Lower Upper
120 100
91 496.2 389.8 584.8

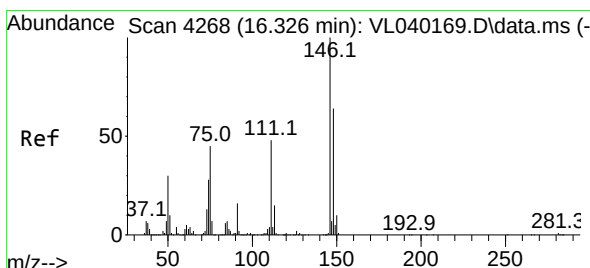
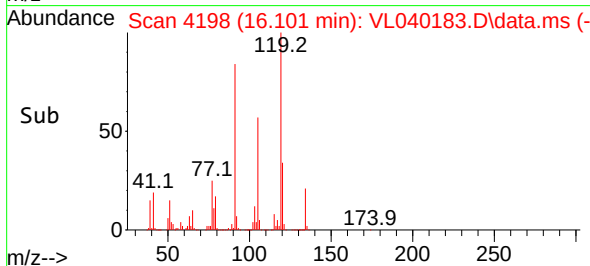
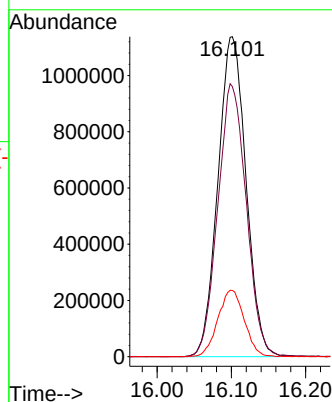
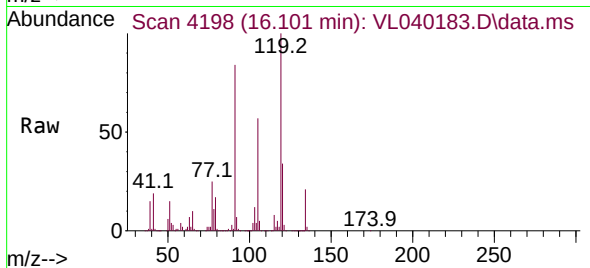




#65
tert-Butylbenzene
Concen: 10.534 ppbv
RT: 16.101 min Scan# 4194
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

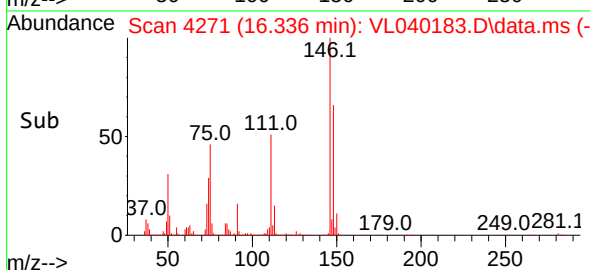
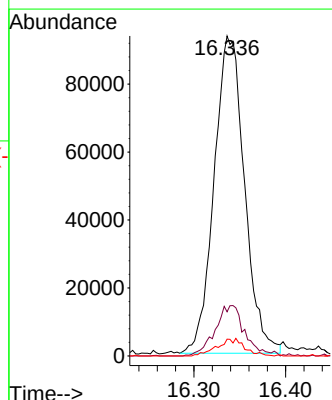
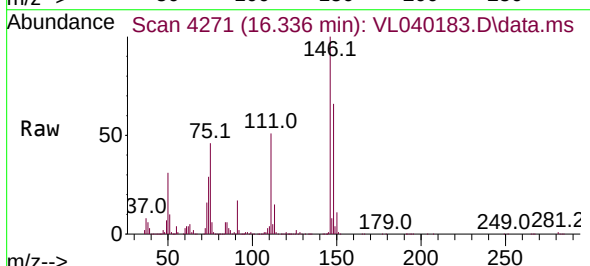
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

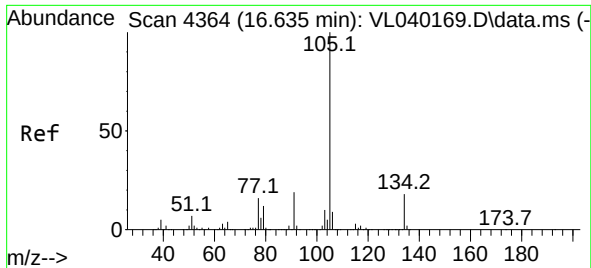
Tgt Ion:119 Resp: 2993907
Ion Ratio Lower Upper
119 100
91 86.4 68.6 102.8
134 19.6 15.9 23.9



#66
Benzyl Chloride
Concen: 11.369 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 91 Resp: 215015
Ion Ratio Lower Upper
91 100
126 15.7 13.1 19.7
128 5.0 4.1 6.1

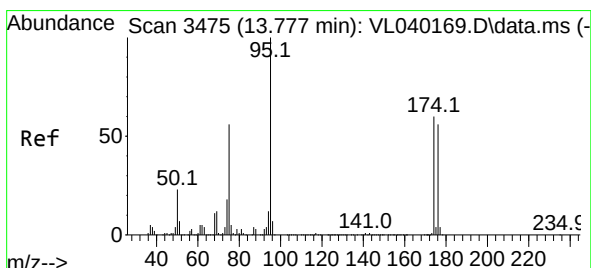
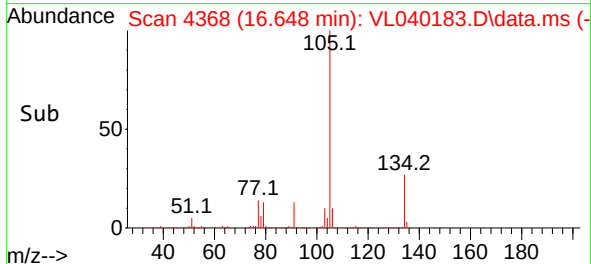
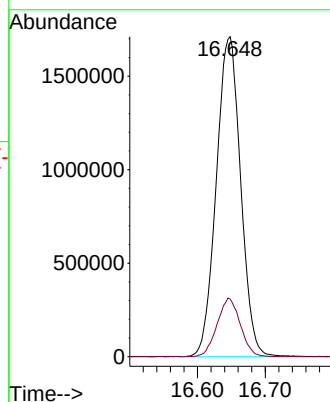
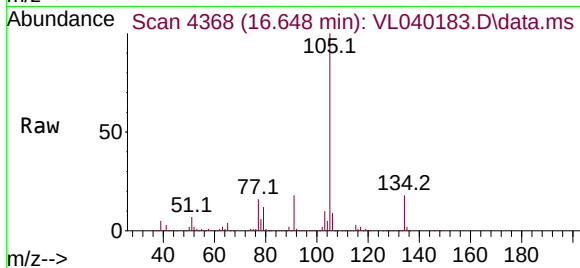




#67
 sec-Butylbenzene
 Concen: 10.479 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

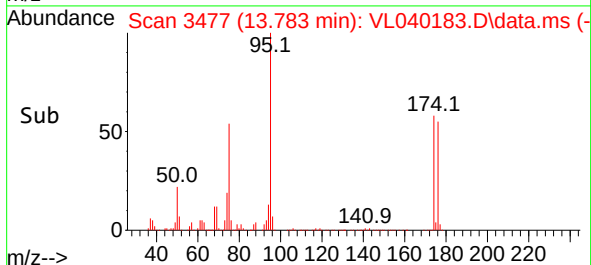
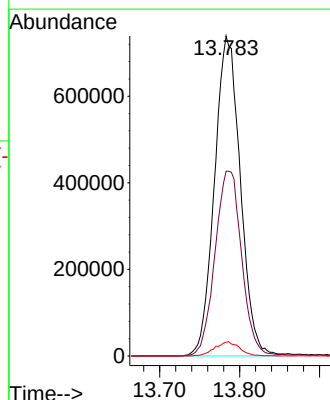
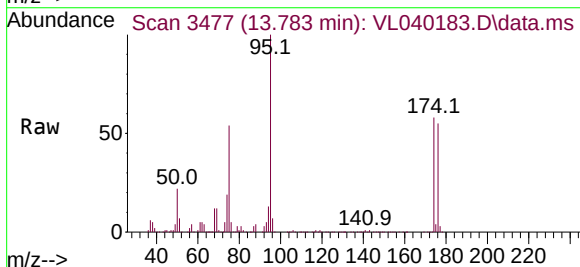
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0216ABS01

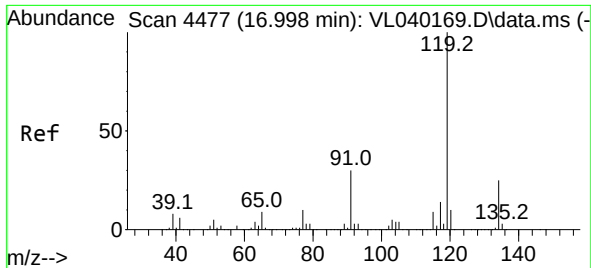
Tgt Ion:105 Resp: 4271196
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.164 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.007 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Tgt Ion: 95 Resp: 1657624
 Ion Ratio Lower Upper
 95 100
 174 59.8 48.2 72.2
 175 4.3 3.4 5.2

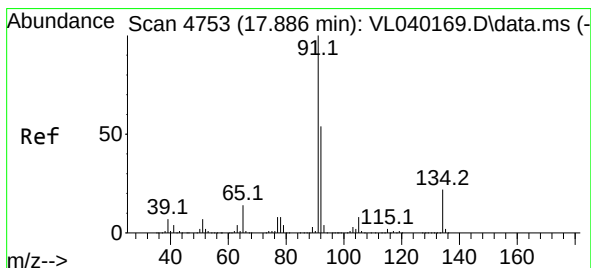
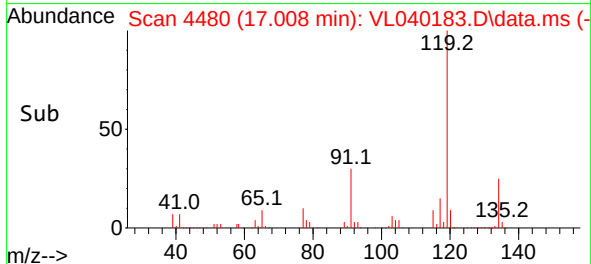
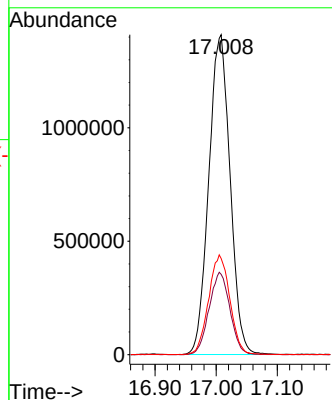
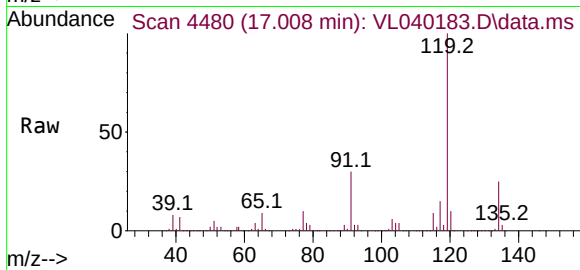




#69
p-Isopropyltoluene
Concen: 10.562 ppbv
RT: 17.008 min Scan# 4477
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

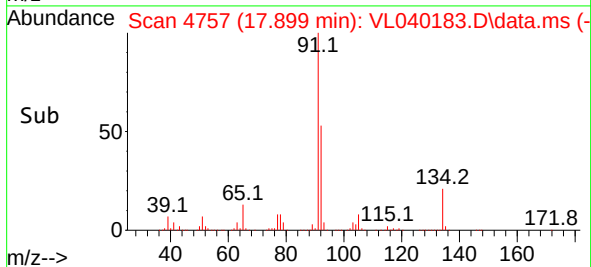
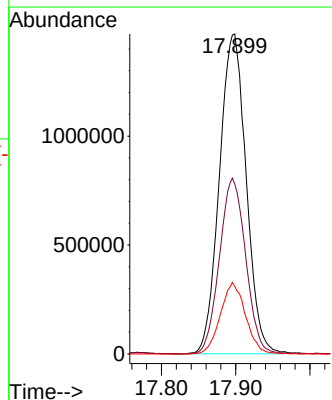
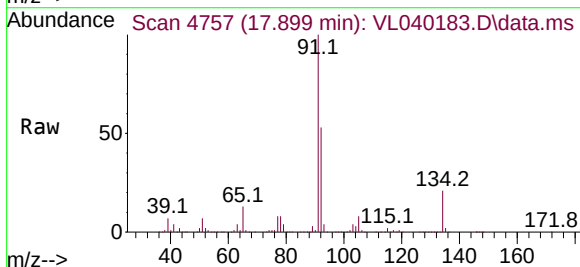
Instrument :
MSVOA_1
ClientSampleId :
VL0216ABS01

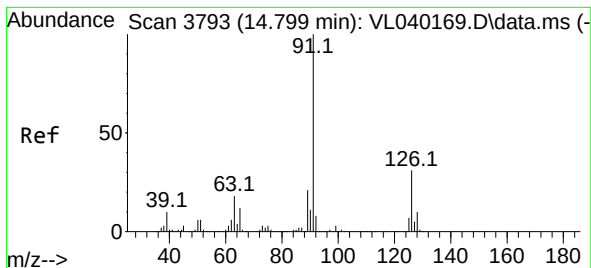
Tgt Ion:119 Resp: 3412739
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.2
91 31.1 24.7 37.1



#70
n-Butylbenzene
Concen: 10.474 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion: 91 Resp: 3673417
Ion Ratio Lower Upper
91 100
92 54.0 43.0 64.6
134 21.0 16.9 25.3





#71

2-Chlorotoluene

Concen: 10.658 ppbv

RT: 14.812 min Scan# 3797

Delta R.T. 0.013 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_1

ClientSampleId :

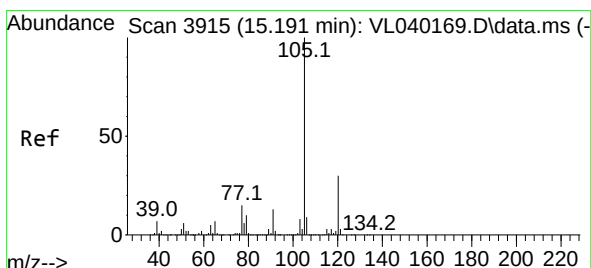
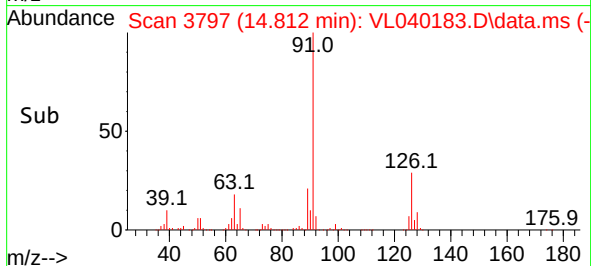
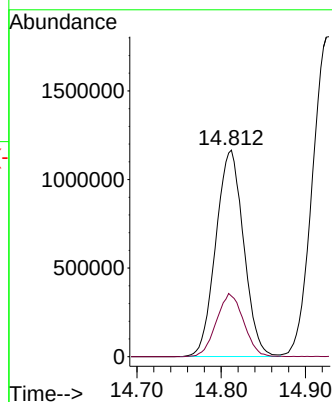
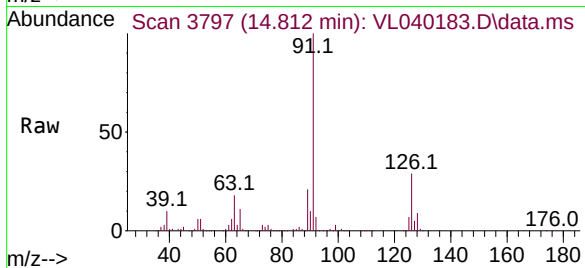
VL0216ABS01

Tgt Ion: 91 Resp: 2665142

Ion Ratio Lower Upper

91 100

126 30.0 12.0 48.2



#72

4-Ethyltoluene

Concen: 11.125 ppbv

RT: 15.201 min Scan# 3918

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Tgt Ion:105 Resp: 2801334

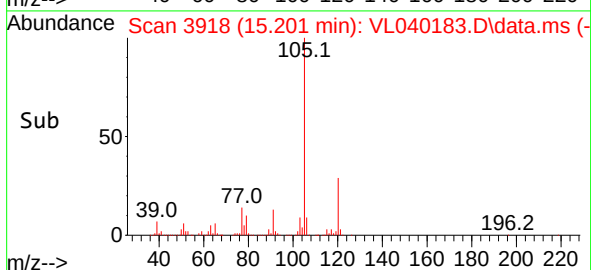
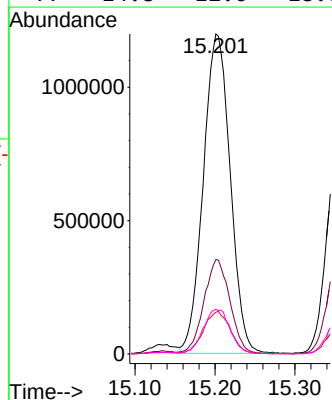
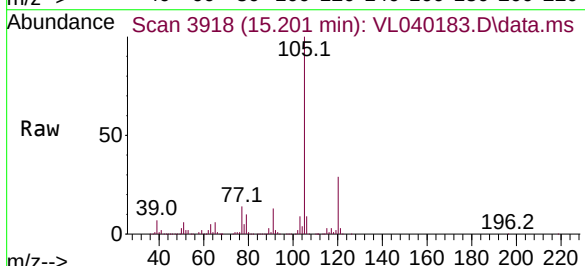
Ion Ratio Lower Upper

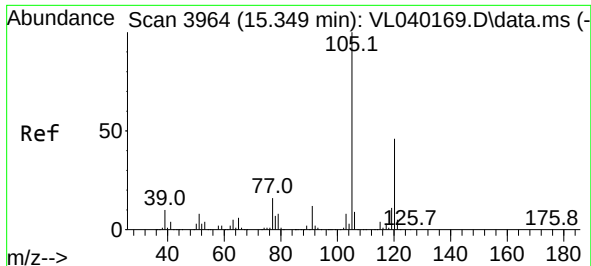
105 100

120 29.7 23.2 34.8

91 13.8 11.3 16.9

77 14.8 12.0 18.0

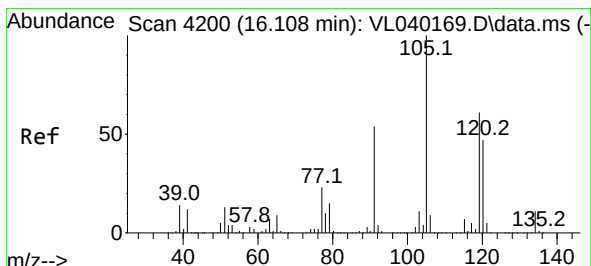
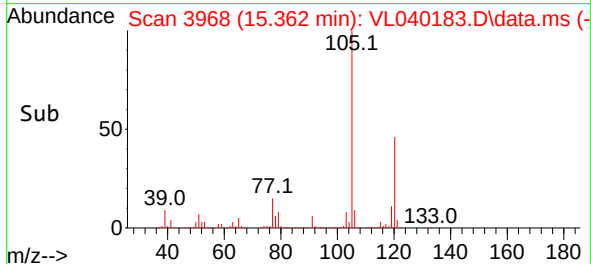
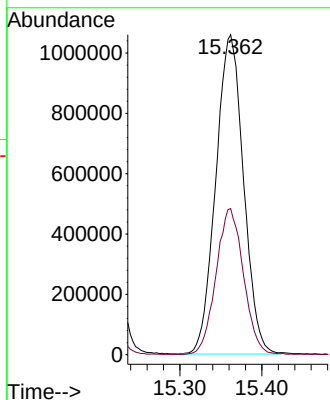
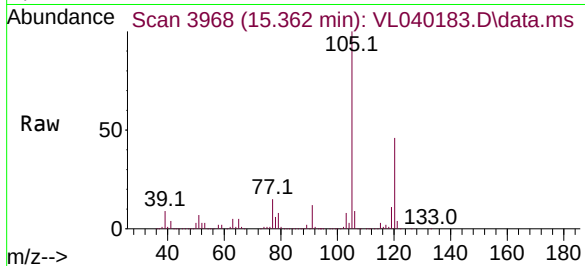




#73
1,3,5-Trimethylbenzene
Concen: 10.612 ppbv
RT: 15.362 min Scan# 3964
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

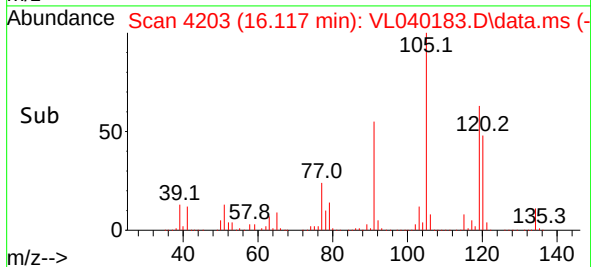
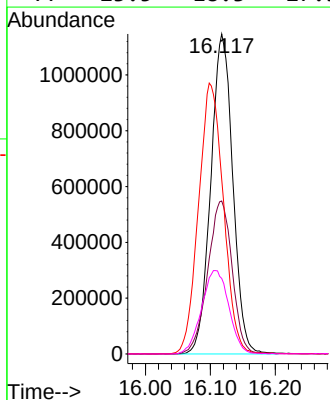
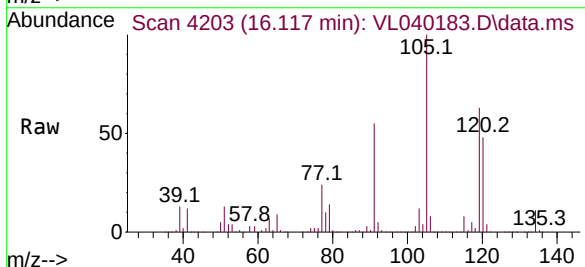
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

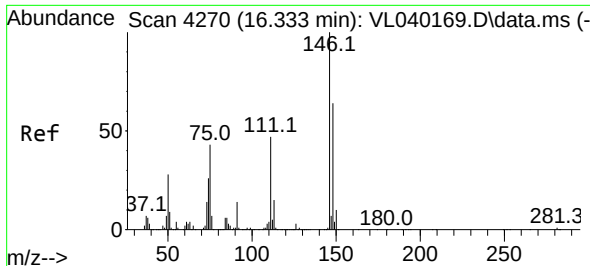
Tgt Ion:105 Resp: 2486311
Ion Ratio Lower Upper
105 100
120 45.7 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 10.468 ppbv
RT: 16.117 min Scan# 4203
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion:105 Resp: 2693887
Ion Ratio Lower Upper
105 100
120 47.7 37.9 56.9
91 54.5 43.7 65.5
77 23.5 18.3 27.5

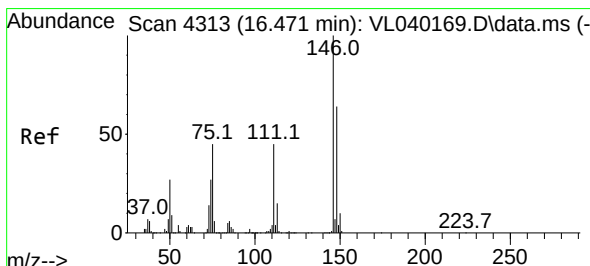
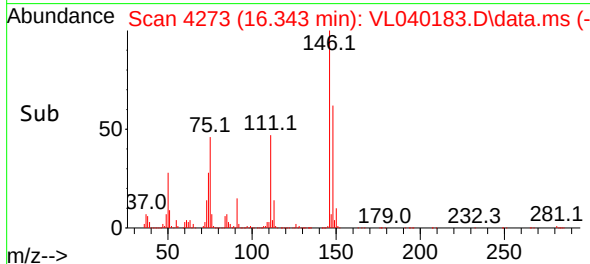
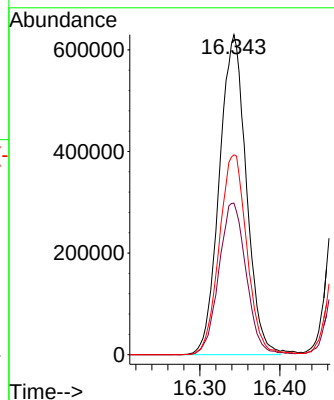
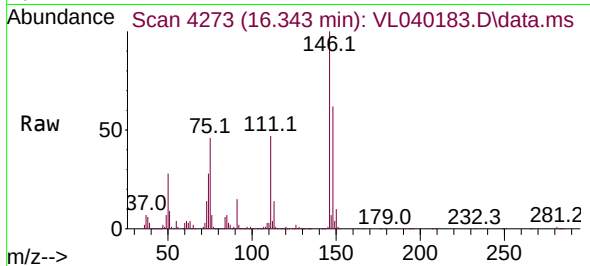




#75
1,3-Dichlorobenzene
Concen: 10.443 ppbv
RT: 16.343 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

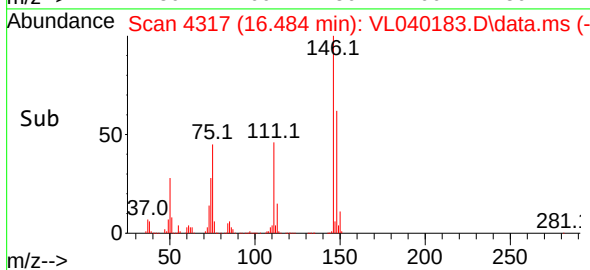
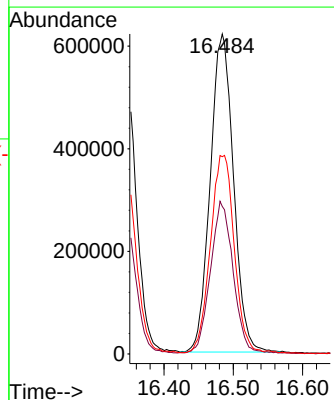
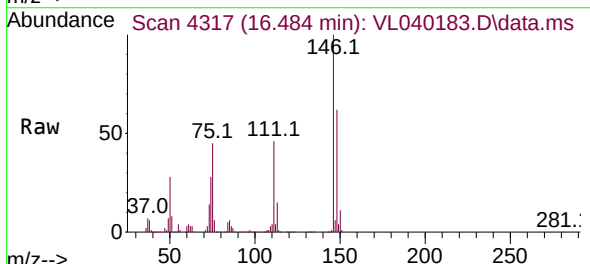
Instrument :
MSVOA_L
ClientSampleId :
VL0216ABS01

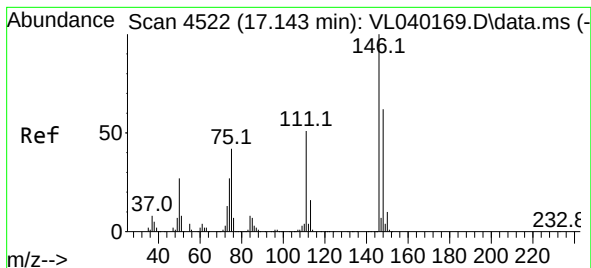
Tgt Ion:146 Resp: 1470836
Ion Ratio Lower Upper
146 100
111 48.1 23.9 71.8
148 64.4 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 10.477 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. 0.013 min
Lab File: VL040183.D
Acq: 16 Feb 2023 17:11

Tgt Ion:146 Resp: 1446007
Ion Ratio Lower Upper
146 100
111 47.8 23.5 70.5
148 65.1 32.5 97.4





#77

1,2-Dichlorobenzene

Concen: 10.054 ppbv

RT: 17.153 min Scan# 4525

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

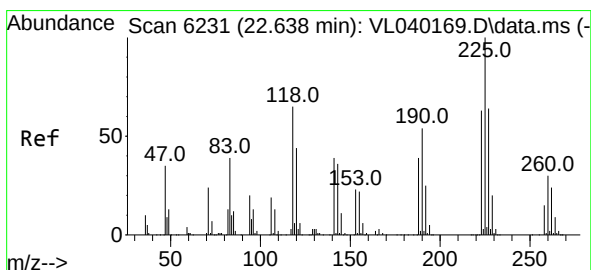
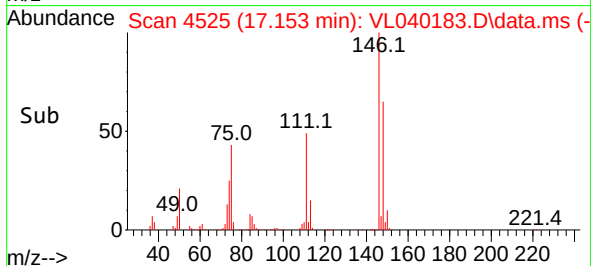
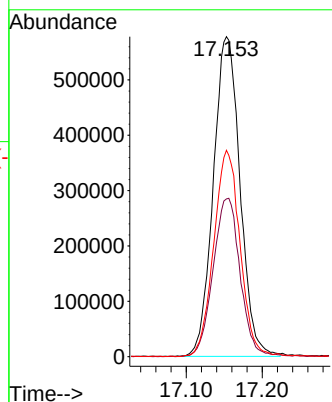
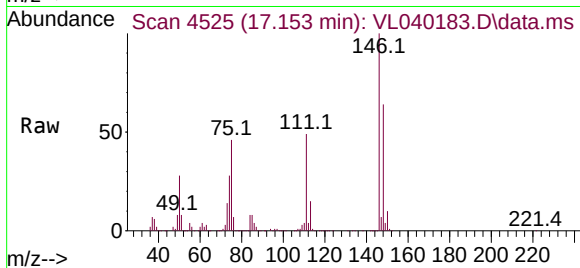
Tgt Ion:146 Resp: 1406562

Ion Ratio Lower Upper

146 100

111 50.5 25.3 75.8

148 63.8 32.0 96.2



#78

Hexachloro-1,3-Butadiene

Concen: 9.495 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

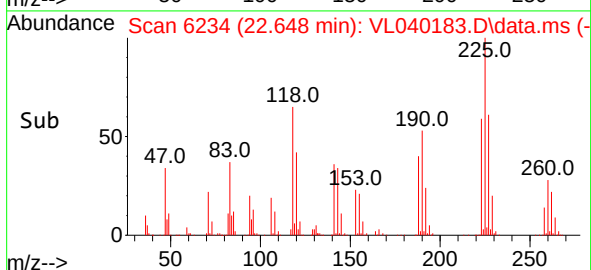
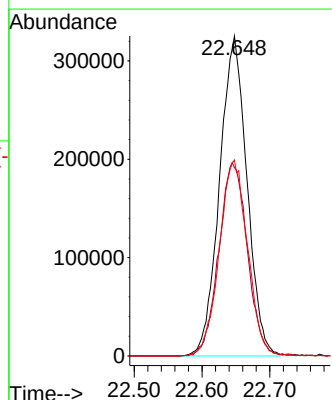
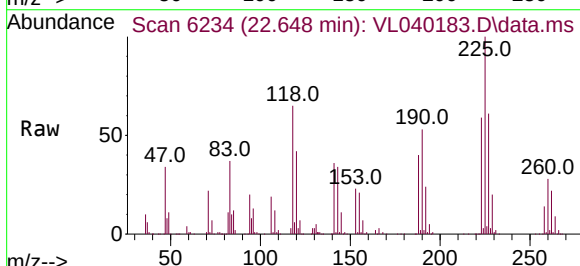
Tgt Ion:225 Resp: 912641

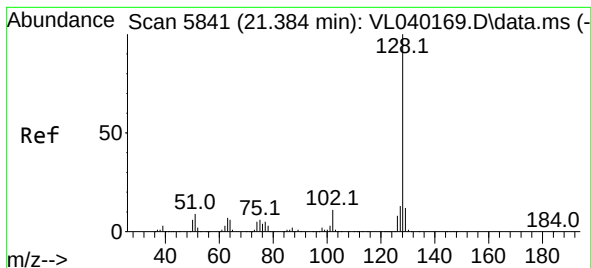
Ion Ratio Lower Upper

225 100

223 63.1 51.0 76.6

227 63.1 51.2 76.8





#79

Naphthalene

Concen: 13.149 ppbv

RT: 21.394 min Scan# 5844

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

Instrument :

MSVOA_L

ClientSampleId :

VL0216ABS01

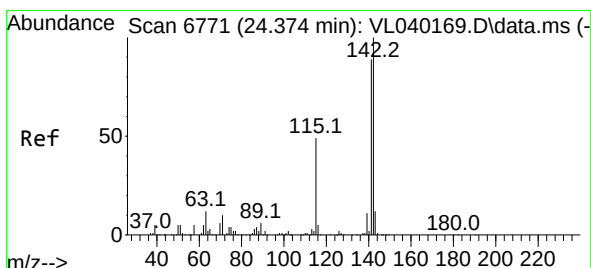
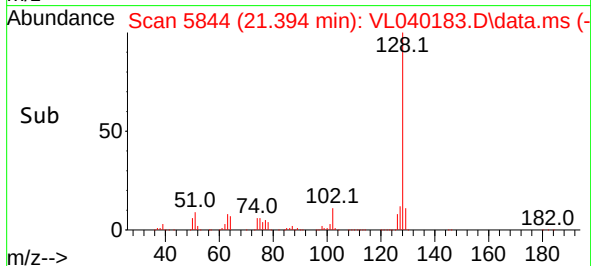
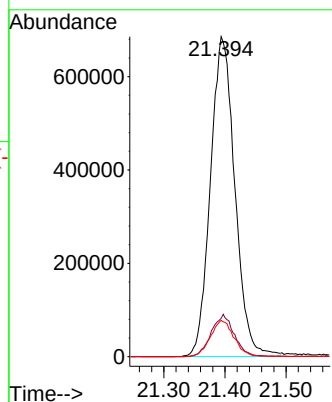
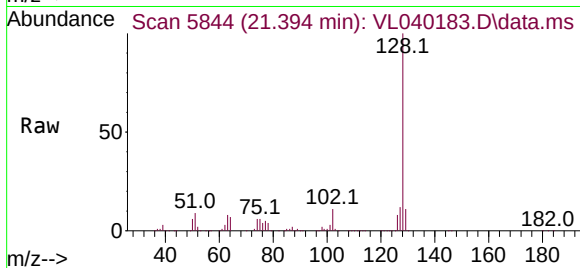
Tgt Ion:128 Resp: 1901107

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 11.3 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 13.805 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. 0.010 min

Lab File: VL040183.D

Acq: 16 Feb 2023 17:11

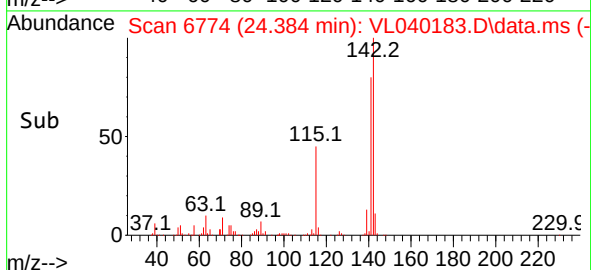
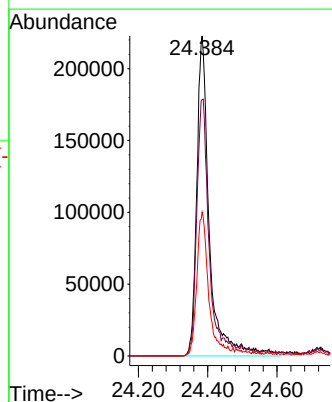
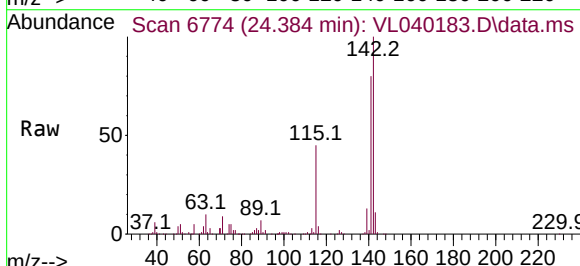
Tgt Ion:142 Resp: 567610

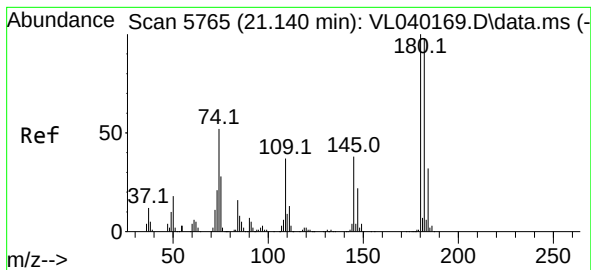
Ion Ratio Lower Upper

142 100

141 83.2 67.3 100.9

115 42.1 36.5 54.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.087 ppbv
 RT: 21.153 min Scan# 51
 Delta R.T. 0.013 min
 Lab File: VL040183.D
 Acq: 16 Feb 2023 17:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0216ABS01

Tgt Ion:180 Resp: 1003108
 Ion Ratio Lower Upper
 180 100
 182 96.3 79.0 118.6
 184 31.2 24.6 36.8

