

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040029.D
 Acq On : 19 Dec 2022 15:31
 Operator : SY/MD
 Sample : VL1216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1219ABS01

Quant Time: Dec 20 04:59:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	986956	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2856556	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2738549	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2082141	9.953	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	1484142	8.033	ppbv	98
3) Chlorodifluoromethane	2.652	51	1218685	8.369	ppbv	100
4) Chloromethane	2.790	50	769240	8.431	ppbv	99
5) Vinyl Chloride	2.899	62	659511	8.934	ppbv	100
6) Bromomethane	3.095	94	236209	8.708	ppbv	96
7) Chloroethane	3.176	64	232795	8.358	ppbv #	87
8) Dichlorotetrafluoroethane	2.835	85	1616008	8.314	ppbv	99
9) Propene	2.671	41	524646	8.490	ppbv	99
10) Heptane	7.558	43	1324487	8.781	ppbv	100
11) Trichlorofluoromethane	3.539	101	1707066	8.504	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1304512	8.580	ppbv	100
13) Ethanol	3.221	45	36761	6.320	ppbv	90
14) Bromoethene	3.343	108	521391	9.107	ppbv	98
15) Acetone	3.446	43	1181681	7.740	ppbv	99
16) 1,3-Butadiene	2.964	39	593660	8.945	ppbv	100
17) tert-Butyl alcohol	3.854	59	1268038	8.424	ppbv	100
18) 1,1-Dichloroethene	3.857	96	581364	8.785	ppbv	98
19) Isopropyl Alcohol	3.552	45	631097	8.388	ppbv #	97
20) Methylene Chloride	3.909	84	497062	7.659	ppbv	97
21) Allyl Chloride	3.973	41	820199	8.940	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	604353	9.163	ppbv	97
23) Vinyl Acetate	4.607	43	463046	9.566	ppbv #	97
24) 1,1-Dichloroethane	4.542	63	1191114	8.380	ppbv	99
25) Ethyl Acetate	5.182	43	2229781	8.433	ppbv	100
26) Hexane	5.192	57	956156	8.604	ppbv	98
27) Carbon Disulfide	4.102	76	1394935	9.951	ppbv	98
28) Methyl tert-Butyl Ether	4.565	73	1127265	8.607	ppbv	98
29) Chloroform	5.253	83	1575958	9.293	ppbv	98
30) Cyclohexane	6.581	84	872250	8.863	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	928339	8.772	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	1722741	9.488	ppbv	100
34) 2-Butanone	4.764	43	1309639	8.451	ppbv	98
35) Carbon Tetrachloride	6.475	117	1783195	10.050	ppbv	98
36) Benzene	6.349	78	2228797	8.736	ppbv	100
37) 1,2-Dichloroethane	5.787	62	1322699	8.838	ppbv	99
38) Trichloroethene	7.272	130	1302947	9.938	ppbv	99
39) 1,2-Dichloropropane	7.054	63	828600	8.665	ppbv	97
40) 1,4-Dioxane	7.269	88	338470	7.853	ppbv #	1
41) Tetrahydrofuran	5.536	42	837050	8.654	ppbv	99
42) Bromodichloromethane	7.230	83	1906729	9.300	ppbv	99
43) Methyl Methacrylate	7.455	69	880016	9.191	ppbv	100
44) 2,2,4-Trimethylpentane	7.308	57	3612117	8.600	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	840698	10.389	ppbv	99

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 Misc : 400mL/MSVOA_L
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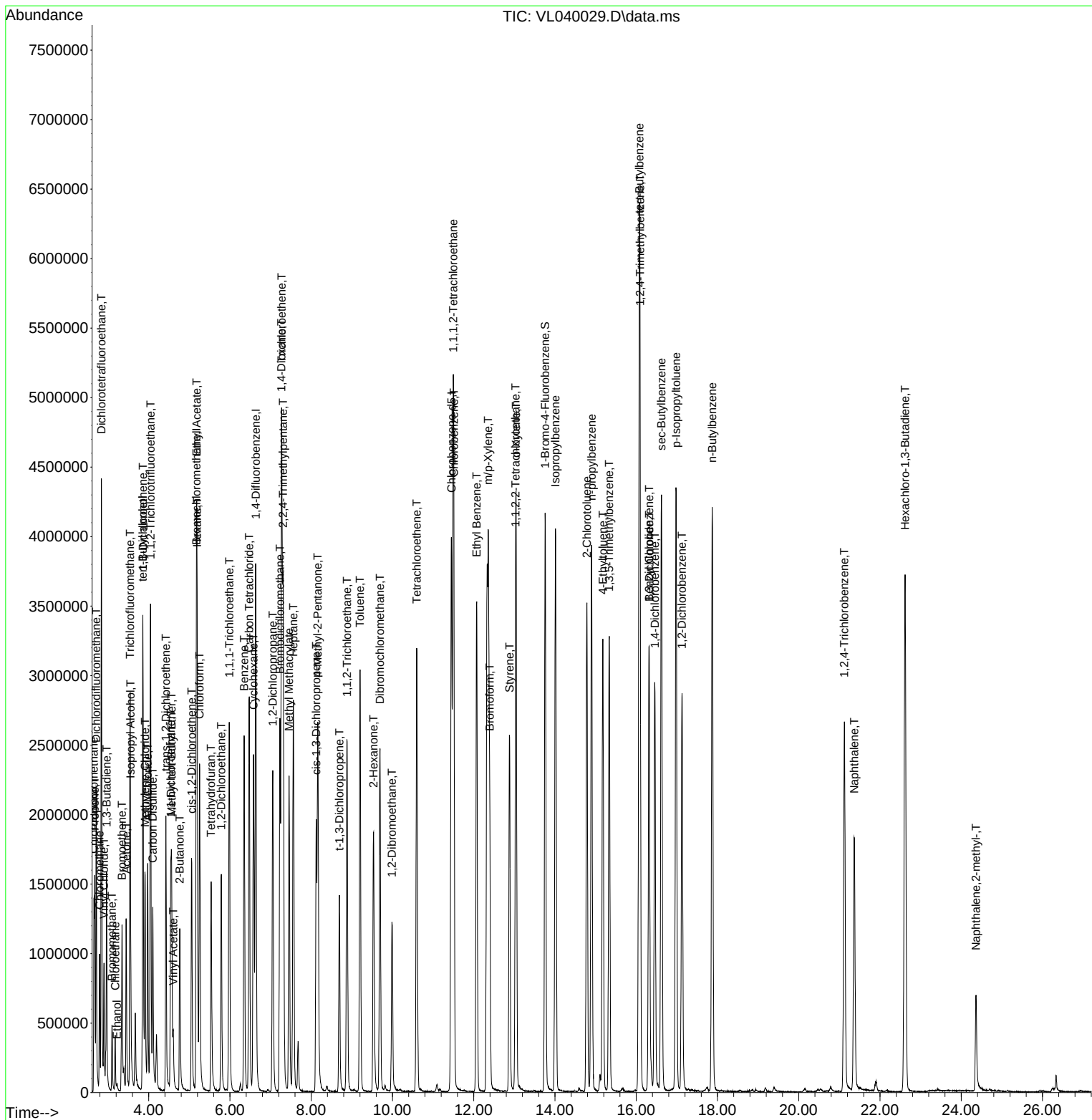
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 MSVOA_L
 ClientSampleId :
 VL1219ABS01

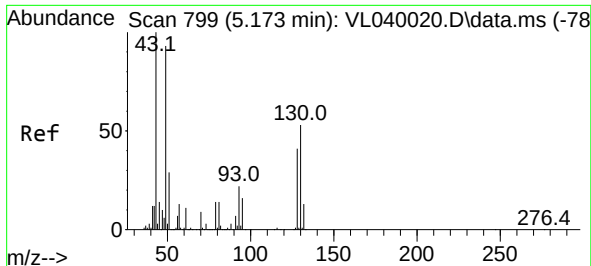
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1132967	9.927	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	897425	8.570	ppbv	99
48) Dibromochloromethane	9.693	129	1508572	9.472	ppbv	99
49) Bromoform	12.394	173	1110024	9.137	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2218884	8.765	ppbv	100
51) 2-Hexanone	9.533	43	1717644	8.722	ppbv #	100
52) Tetrachloroethene	10.597	164	757854	8.737	ppbv	98
53) Toluene	9.201	91	2516051	8.908	ppbv	100
54) 1,2-Dibromoethane	9.989	107	1030481	9.138	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1067579	8.451	ppbv	99
57) Chlorobenzene	11.513	112	1896841	8.159	ppbv	99
58) Ethyl Benzene	12.073	91	3328258	8.554	ppbv	98
59) m/p-Xylene	12.356	91	2913548	8.595	ppbv #	38
60) o-Xylene	13.044	91	2666944	8.212	ppbv	99
61) Styrene	12.883	104	1554552	8.925	ppbv	99
62) Isopropylbenzene	14.015	105	3716682	7.938	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.031	83	858662	7.212	ppbv	99
64) n-propylbenzene	14.902	120	950776	8.040	ppbv	100
65) tert-Butylbenzene	16.076	119	3177550	7.810	ppbv	99
66) Benzyl Chloride	16.317	91	200199	8.438	ppbv	99
67) sec-Butylbenzene	16.622	105	4396906	7.712	ppbv	100
69) p-Isopropyltoluene	16.982	119	3593079	7.889	ppbv	100
70) n-Butylbenzene	17.870	91	3746901	7.852	ppbv	100
71) 2-Chlorotoluene	14.786	91	2799411	7.837	ppbv	99
72) 4-Ethyltoluene	15.179	105	2929456	8.124	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	2601561	8.000	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	2804729	7.824	ppbv	94
75) 1,3-Dichlorobenzene	16.317	146	1564478	7.976	ppbv	99
76) 1,4-Dichlorobenzene	16.462	146	1514401	7.909	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1463393	7.780	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1074758	8.236	ppbv #	100
79) Naphthalene	21.368	128	2285492	10.701	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	515033	7.881	ppbv	99
81) 1,2,4-Trichlorobenzene	21.124	180	1155418	9.107	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
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QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

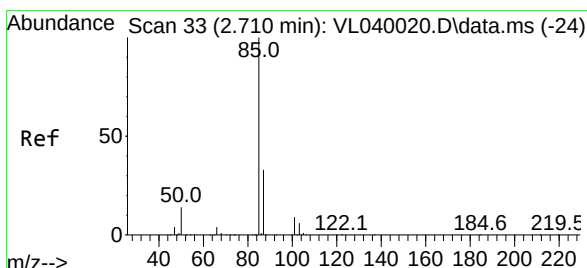
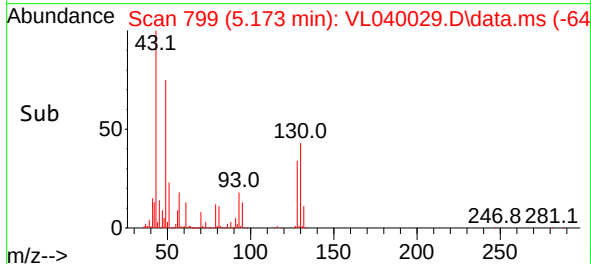
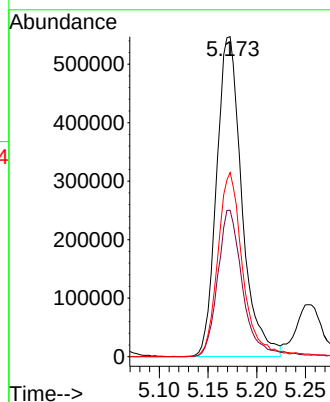
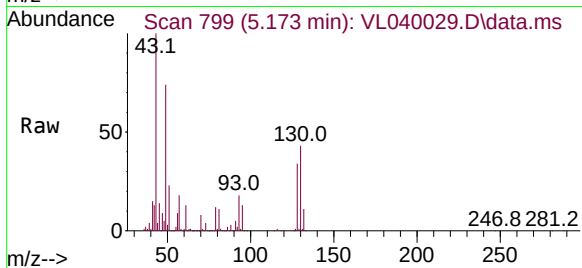




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.173 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

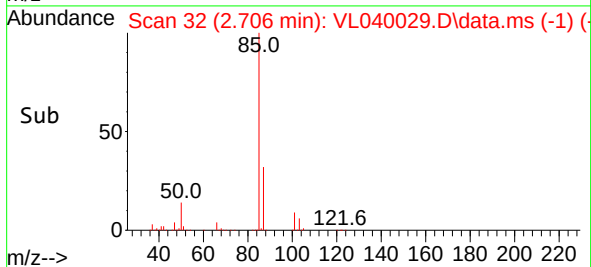
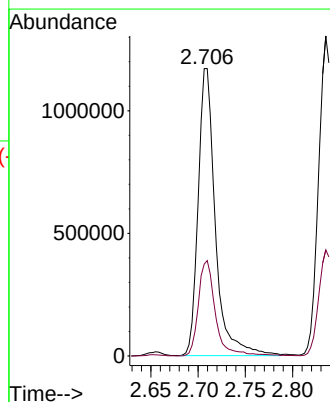
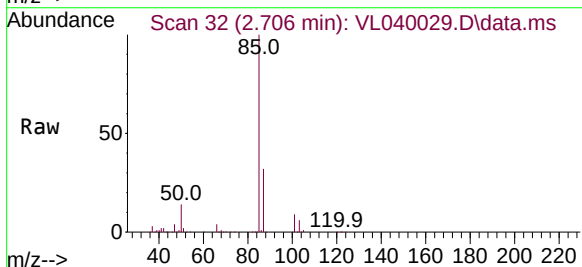
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1219ABS01

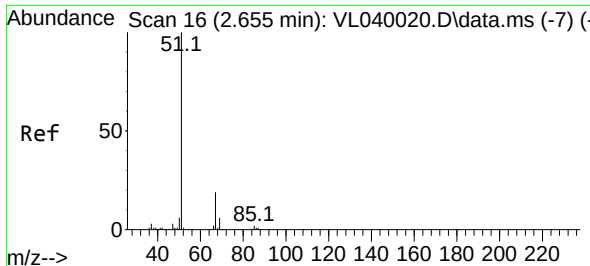
Tgt Ion: 49 Resp: 986956
 Ion Ratio Lower Upper
 49 100
 128 46.1 22.4 67.3
 130 58.0 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 8.033 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion: 85 Resp: 1484142
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.6 40.0

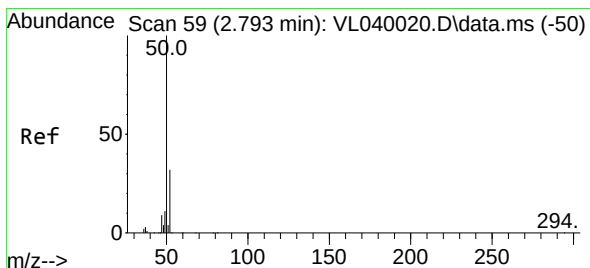
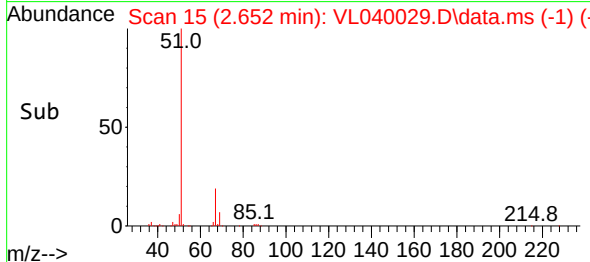
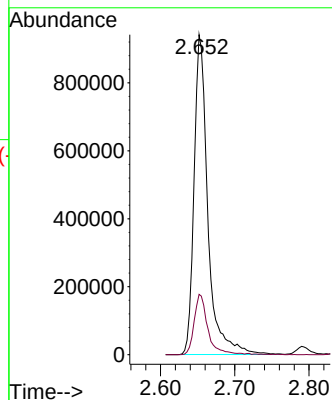
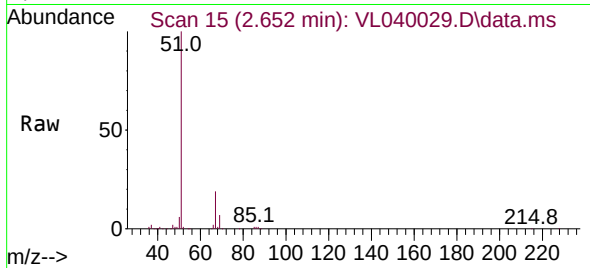




#3
Chlorodifluoromethane
Concen: 8.369 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

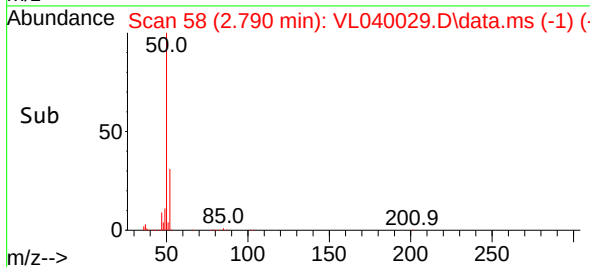
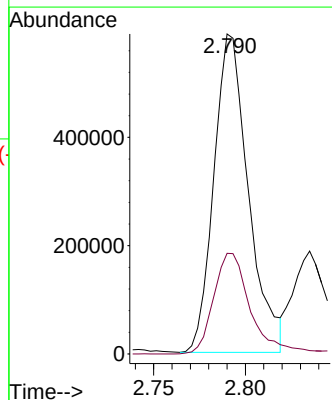
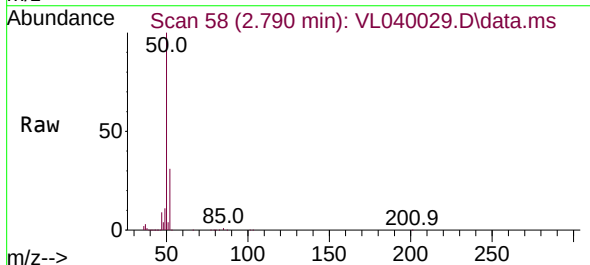
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ClientSampleId :
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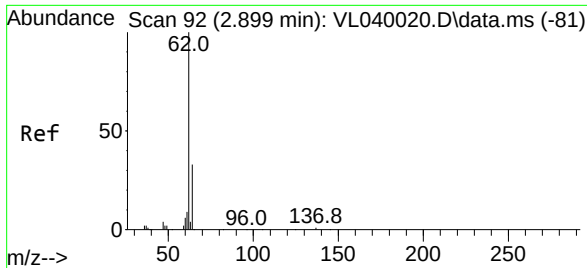
Tgt Ion: 51 Resp: 1218685
Ion Ratio Lower Upper
51 100
67 19.0 15.3 22.9



#4
Chloromethane
Concen: 8.431 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 50 Resp: 769240
Ion Ratio Lower Upper
50 100
52 31.6 25.5 38.3

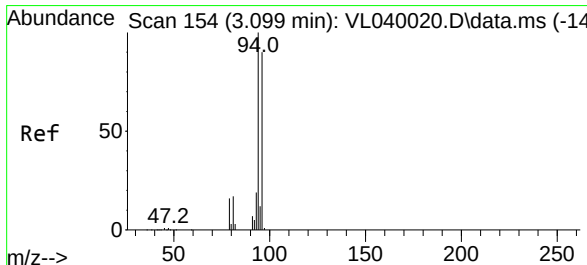
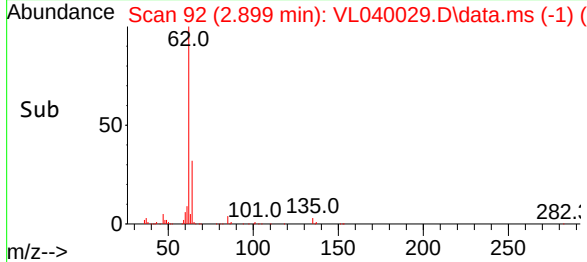
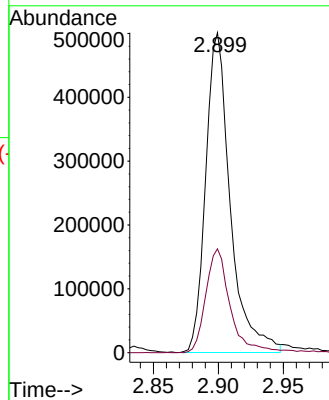
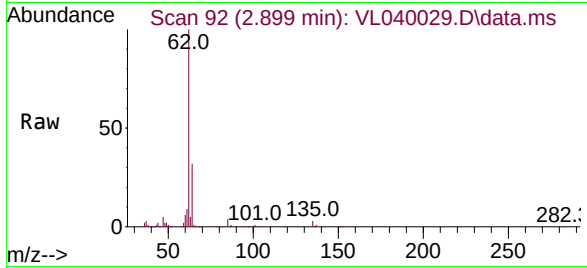




#5
 Vinyl Chloride
 Concen: 8.934 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

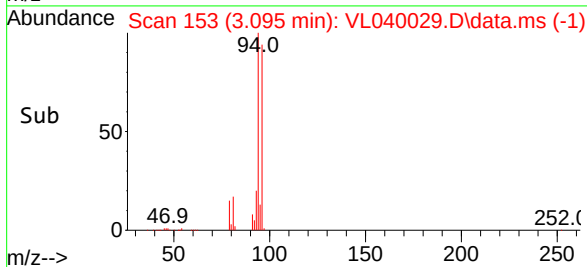
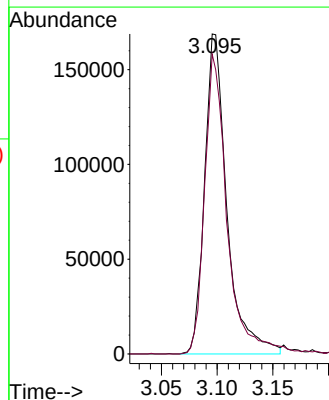
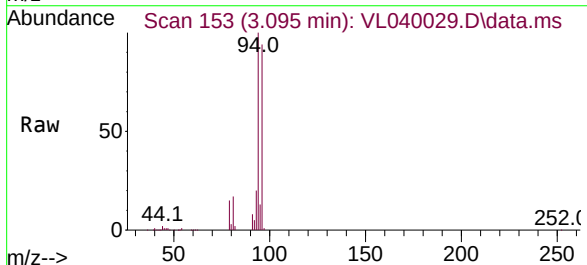
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 ClientSampleId :
 VL1219ABS01

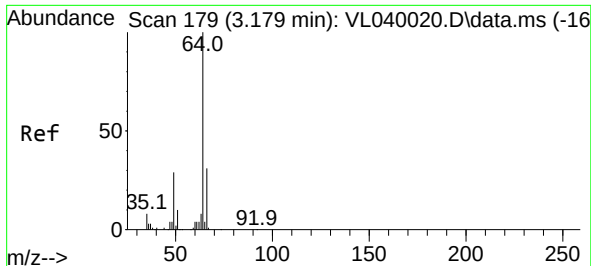
Tgt Ion: 62 Resp: 659511
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.1 39.1



#6
 Bromomethane
 Concen: 8.708 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion: 94 Resp: 236209
 Ion Ratio Lower Upper
 94 100
 96 93.6 72.0 108.0

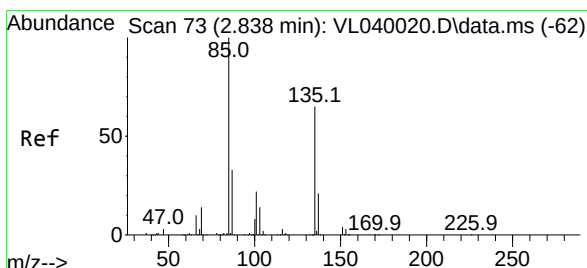
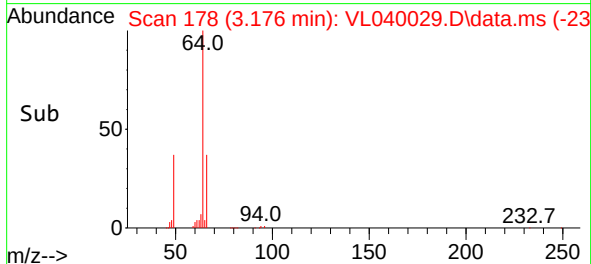
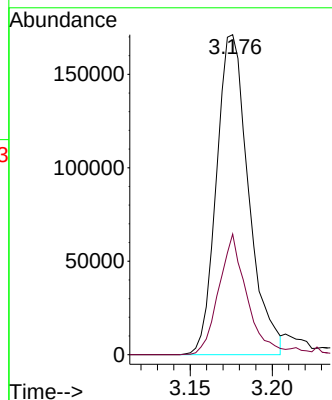
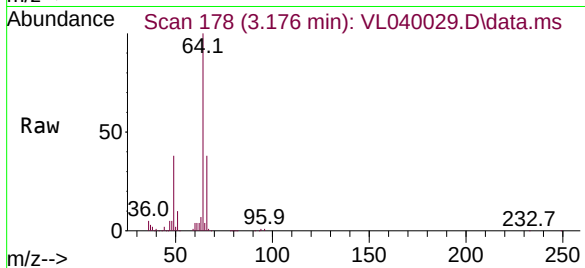




#7
Chloroethane
Concen: 8.358 ppbv
RT: 3.176 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

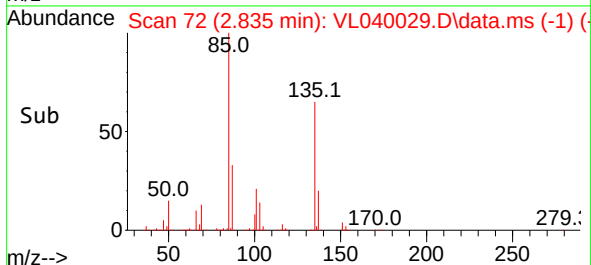
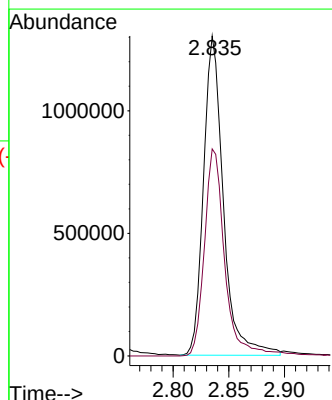
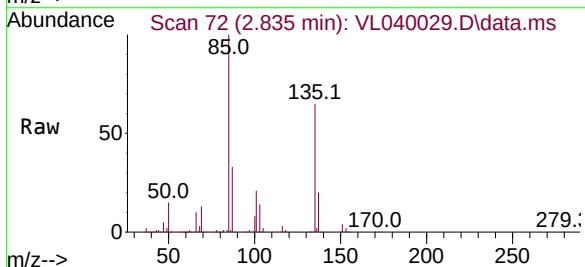
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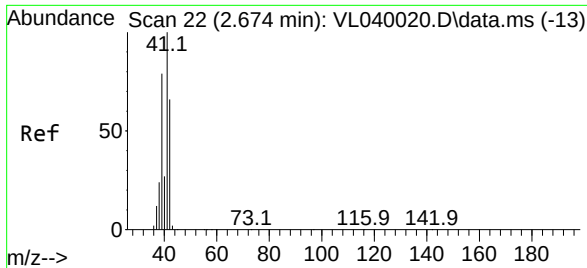
Tgt Ion: 64 Resp: 232795
Ion Ratio Lower Upper
64 100
66 37.7 24.6 37.0#



#8
Dichlorotetrafluoroethane
Concen: 8.314 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 85 Resp: 1616008
Ion Ratio Lower Upper
85 100
135 67.2 53.2 79.8

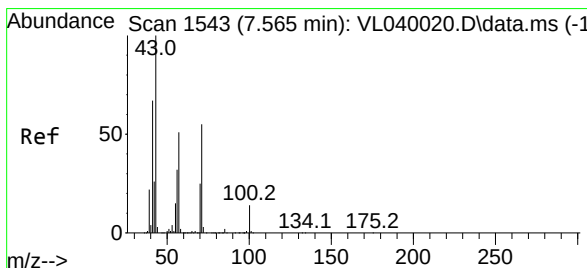
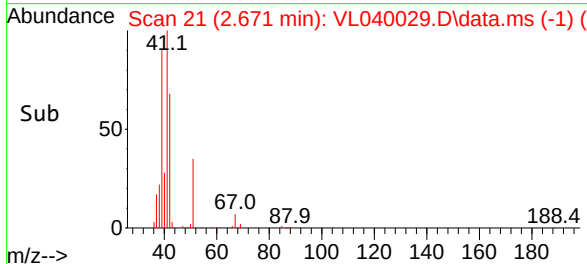
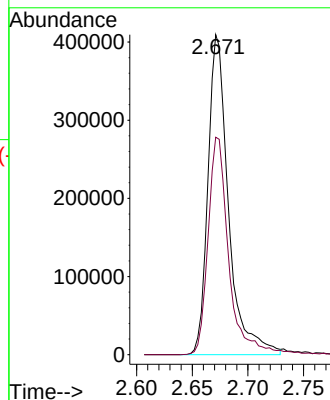
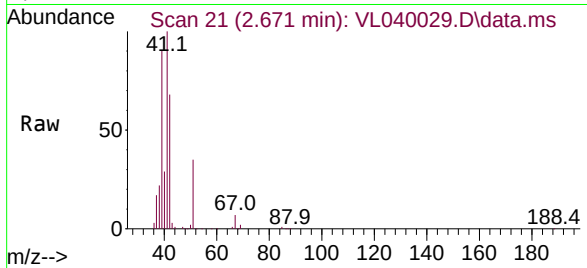




#9
 Propene
 Concen: 8.490 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

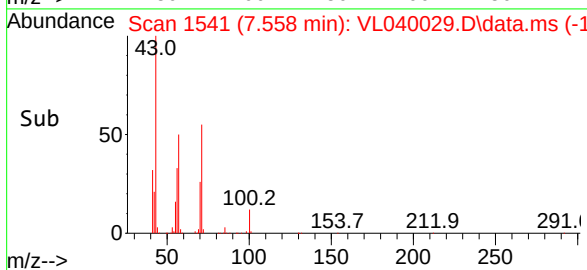
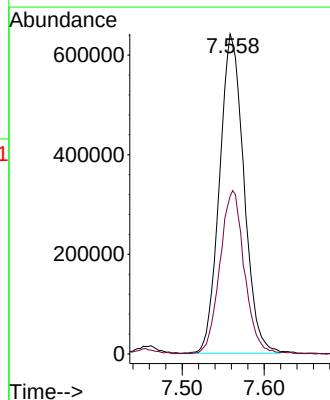
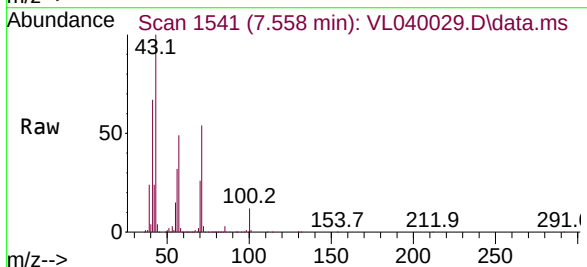
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1219ABS01

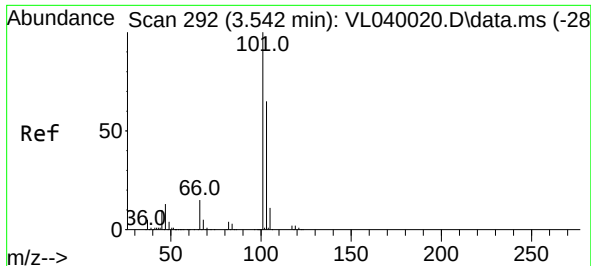
Tgt Ion: 41 Resp: 524646
 Ion Ratio Lower Upper
 41 100
 42 69.2 54.8 82.2



#10
 Heptane
 Concen: 8.781 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. -0.006 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion: 43 Resp: 1324487
 Ion Ratio Lower Upper
 43 100
 57 51.7 41.2 61.8

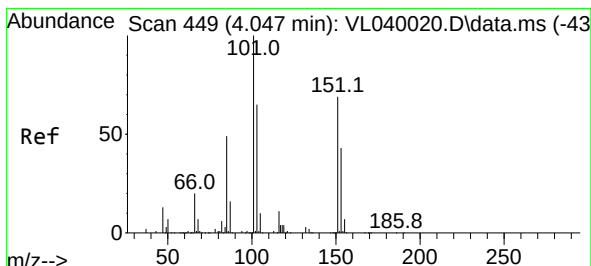
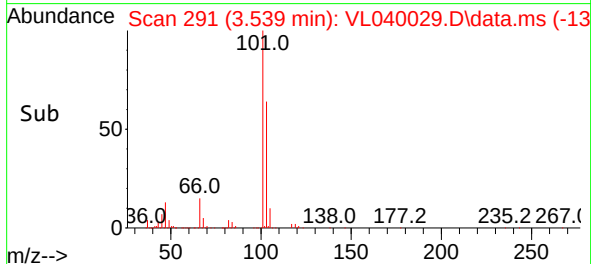
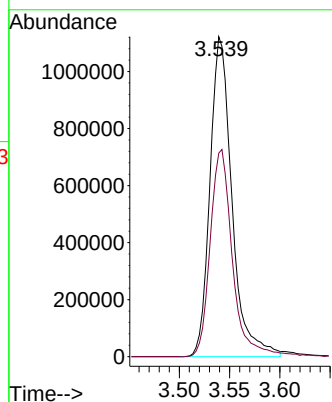
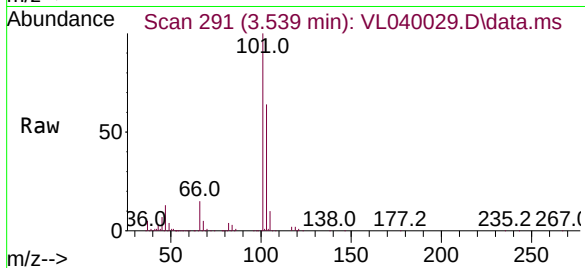




#11
Trichlorofluoromethane
Concen: 8.504 ppbv
RT: 3.539 min Scan# 291
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

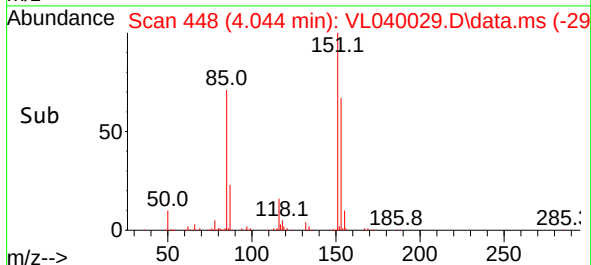
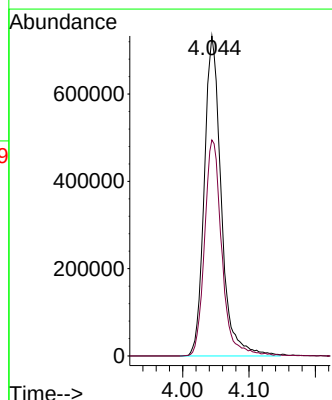
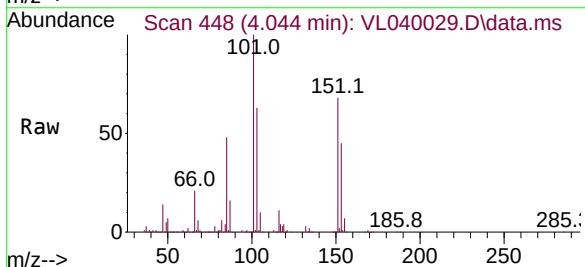
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

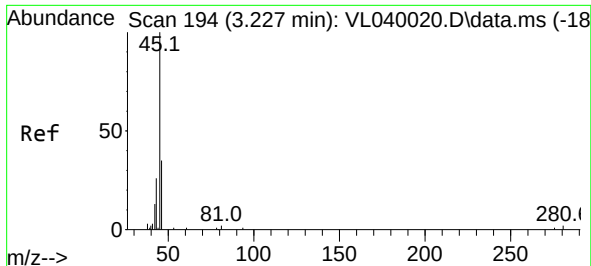
Tgt Ion:101 Resp: 1707066
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.580 ppbv
RT: 4.044 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion:101 Resp: 1304512
Ion Ratio Lower Upper
101 100
151 68.7 55.0 82.4

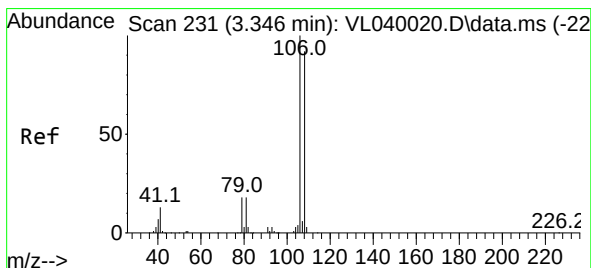
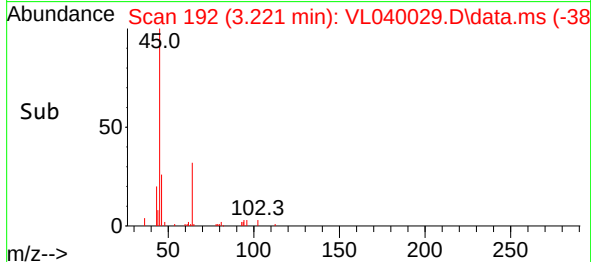
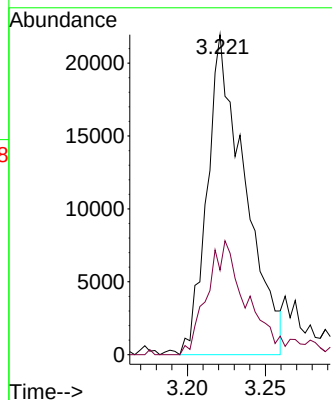
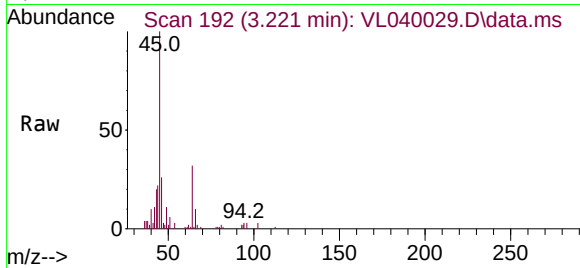




#13
Ethanol
Concen: 6.320 ppbv
RT: 3.221 min Scan# 194
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

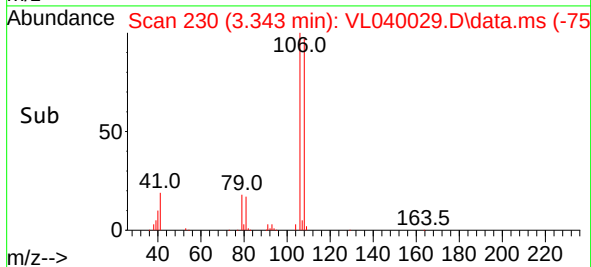
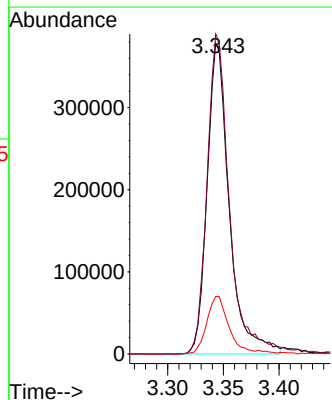
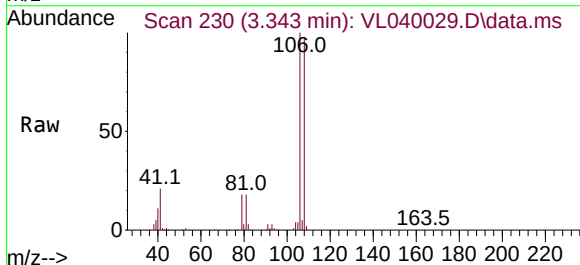
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

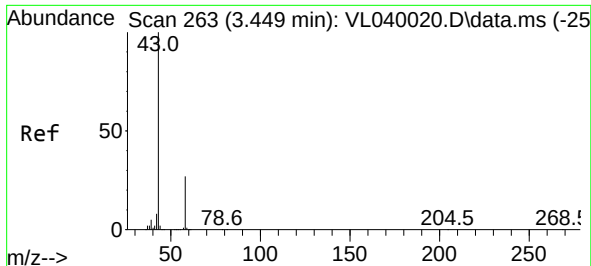
Tgt Ion: 45 Resp: 36761
Ion Ratio Lower Upper
45 100
46 40.1 13.7 54.7



#14
Bromoethene
Concen: 9.107 ppbv
RT: 3.343 min Scan# 230
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion:108 Resp: 521391
Ion Ratio Lower Upper
108 100
106 106.7 87.5 131.3
79 19.5 15.8 23.8

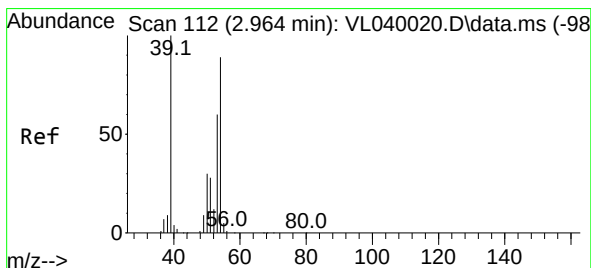
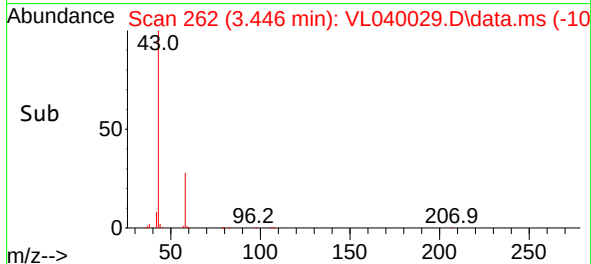
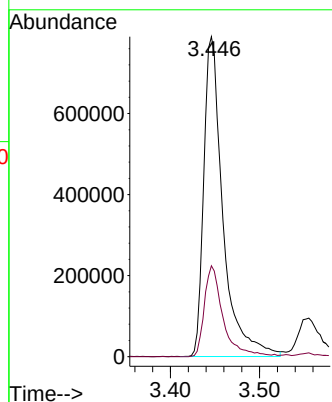
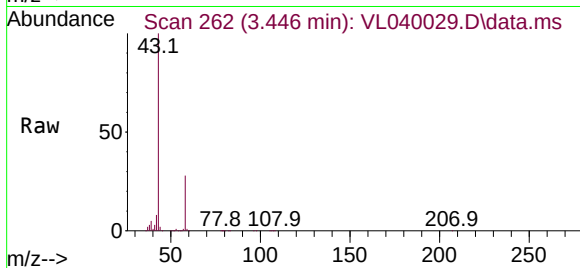




#15
Acetone
Concen: 7.740 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

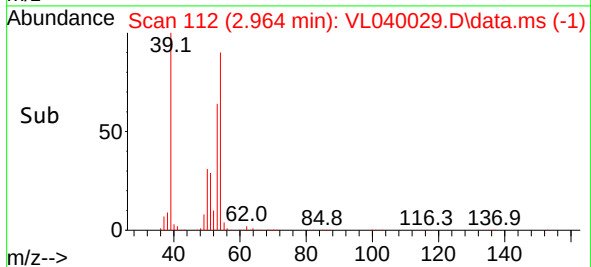
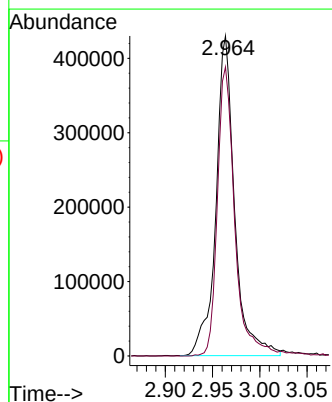
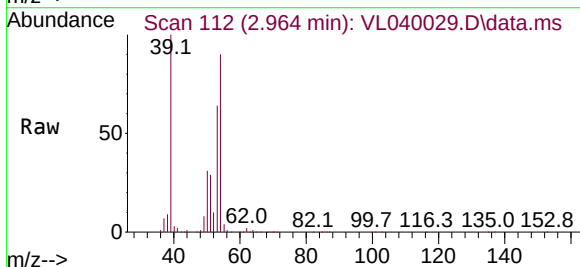
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

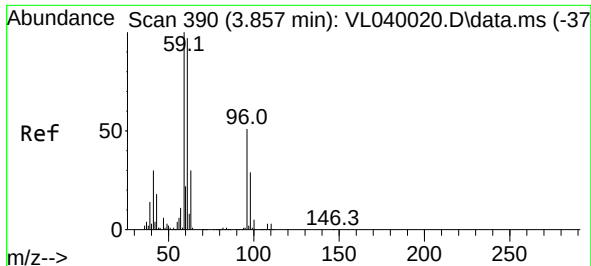
Tgt Ion: 43 Resp: 1181681
Ion Ratio Lower Upper
43 100
58 28.1 21.8 32.8



#16
1,3-Butadiene
Concen: 8.945 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 39 Resp: 593660
Ion Ratio Lower Upper
39 100
54 85.2 68.3 102.5





#17

tert-Butyl alcohol

Concen: 8.424 ppbv

RT: 3.854 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

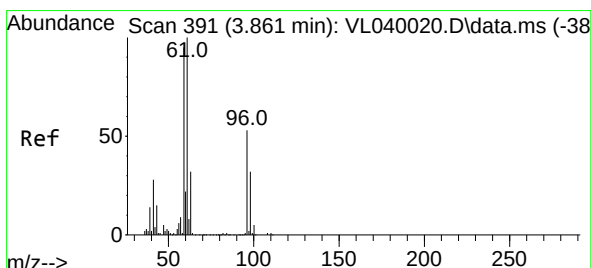
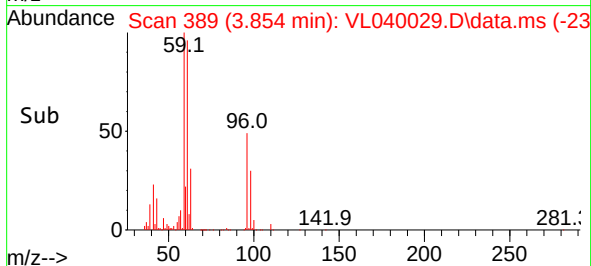
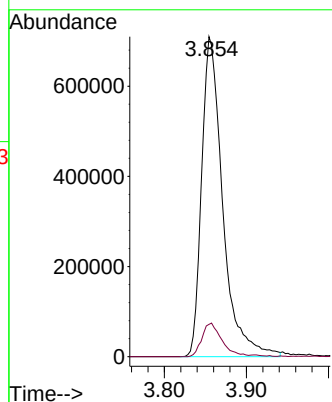
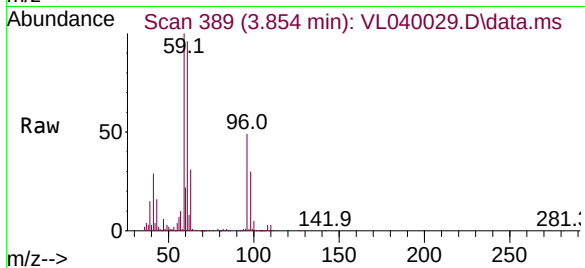
VL1219ABS01

Tgt Ion: 59 Resp: 1268038

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#18

1,1-Dichloroethene

Concen: 8.785 ppbv

RT: 3.857 min Scan# 390

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

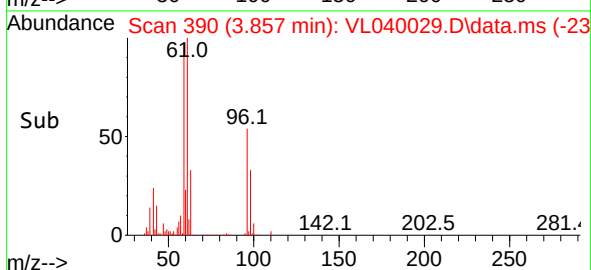
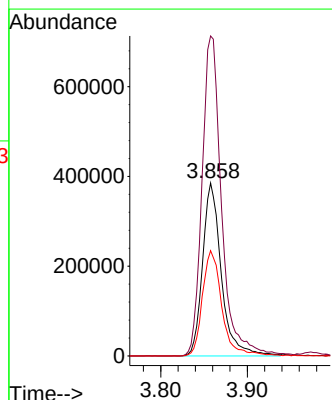
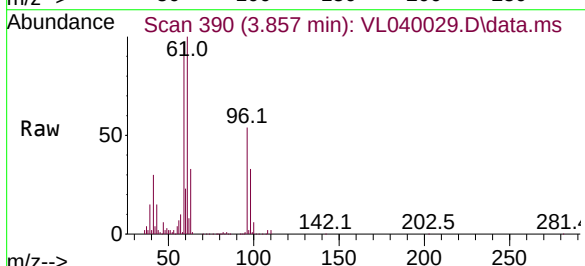
Tgt Ion: 96 Resp: 581364

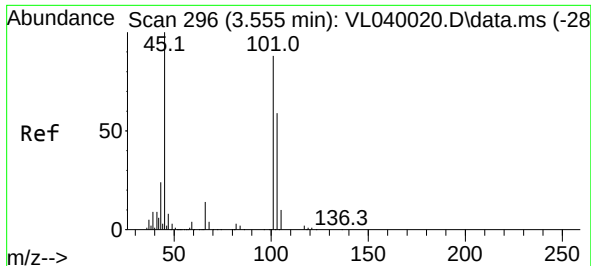
Ion Ratio Lower Upper

96 100

61 185.0 151.0 226.6

98 60.9 47.7 71.5

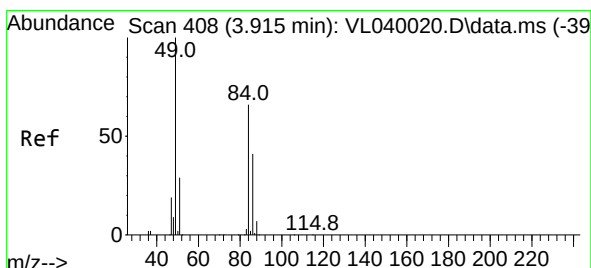
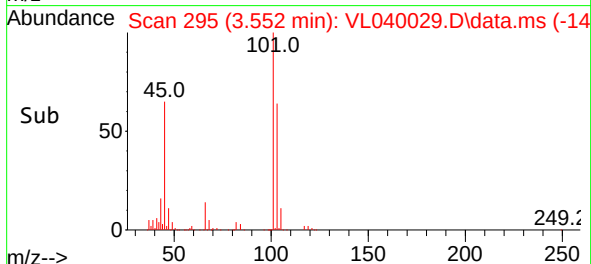
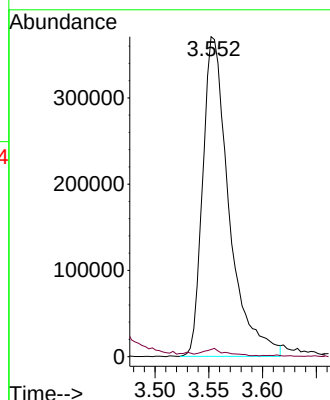
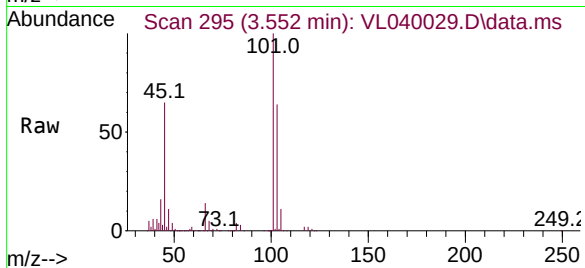




#19
Isopropyl Alcohol
Concen: 8.388 ppbv
RT: 3.552 min Scan# 296
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

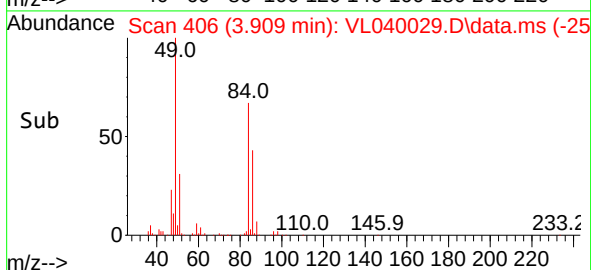
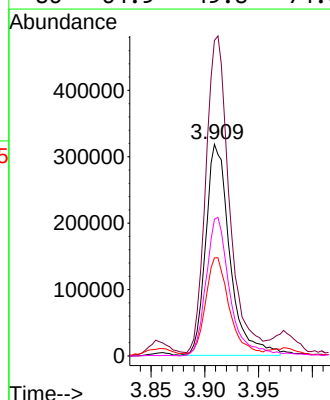
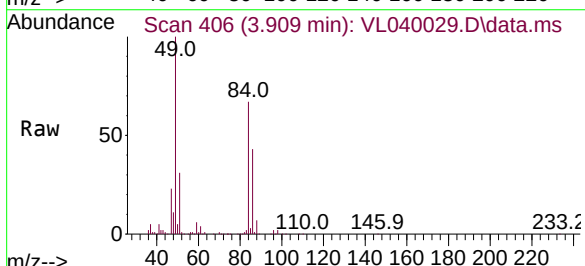
Instrument : MSVOA_1
ClientSampleId : VL1219ABS01

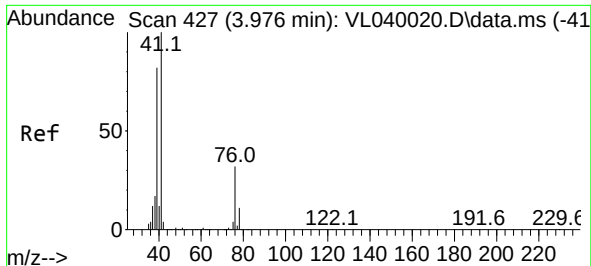
Tgt Ion: 45 Resp: 631097
Ion Ratio Lower Upper
45 100
58 3.0 1.7 2.5#



#20
Methylene Chloride
Concen: 7.659 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 84 Resp: 497062
Ion Ratio Lower Upper
84 100
49 147.5 120.5 180.7
51 45.4 35.2 52.8
86 64.9 49.8 74.6





#21

Allyl Chloride

Concen: 8.940 ppbv

RT: 3.973 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01

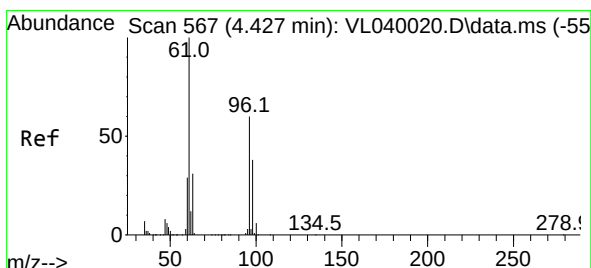
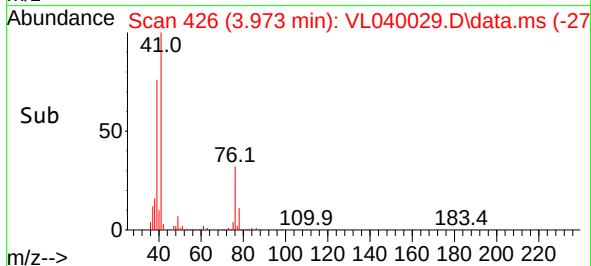
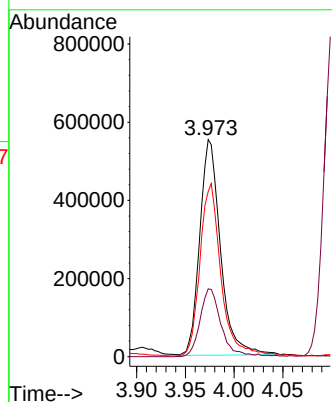
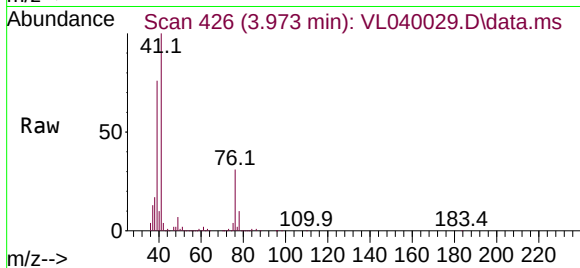
Tgt Ion: 41 Resp: 820199

Ion Ratio Lower Upper

41 100

76 32.3 25.9 38.9

39 81.3 66.0 99.0



#22

trans-1,2-Dichloroethene

Concen: 9.163 ppbv

RT: 4.423 min Scan# 566

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

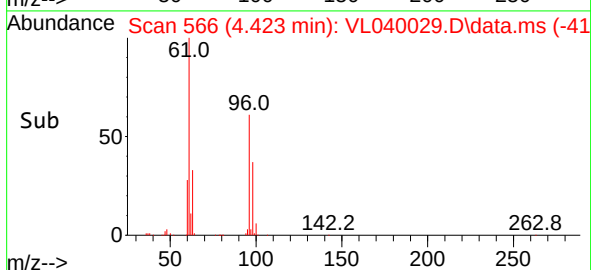
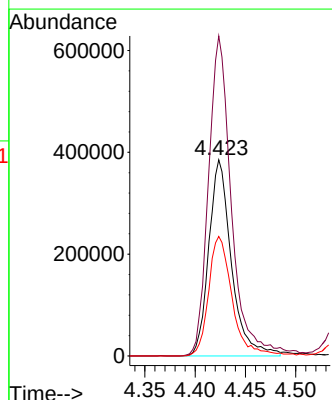
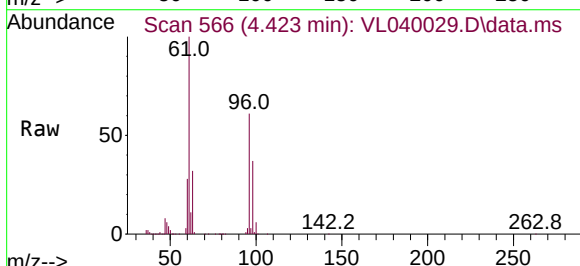
Tgt Ion: 96 Resp: 604353

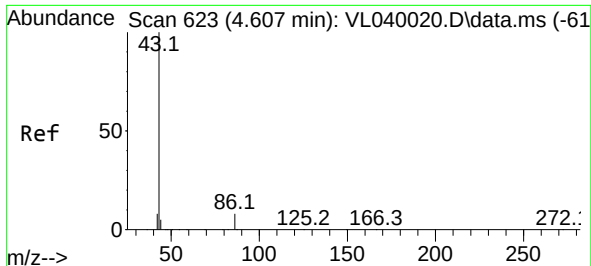
Ion Ratio Lower Upper

96 100

61 163.1 133.6 200.4

98 60.9 51.4 77.0



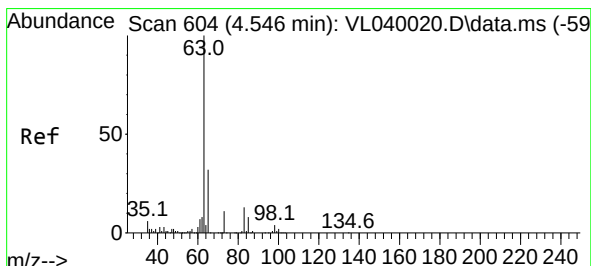
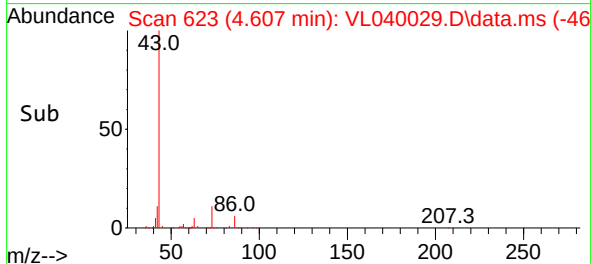
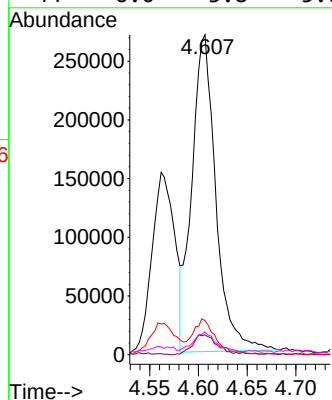
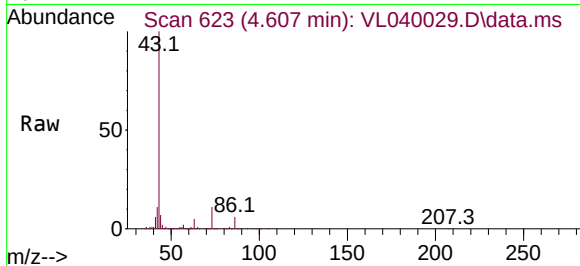


#23
 Vinyl Acetate
 Concen: 9.566 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1219ABS01

Tgt Ion: 43 Resp: 463046

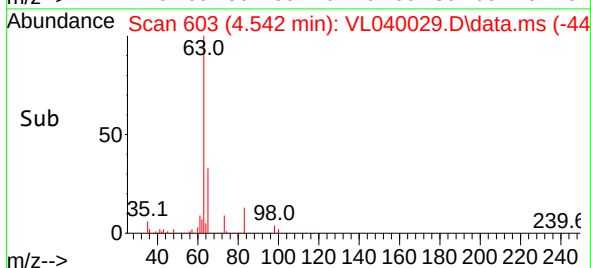
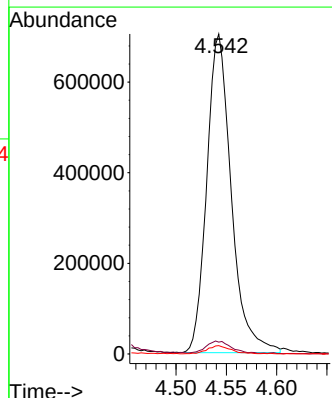
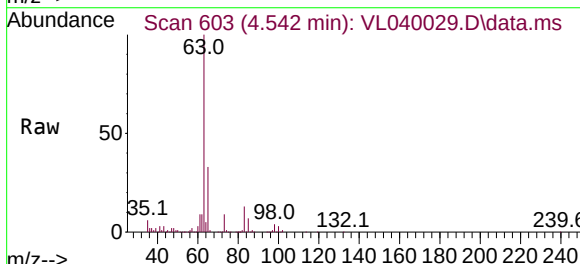
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.3	7.9
42	10.5	7.4	11.0
44	6.0	3.8	5.6

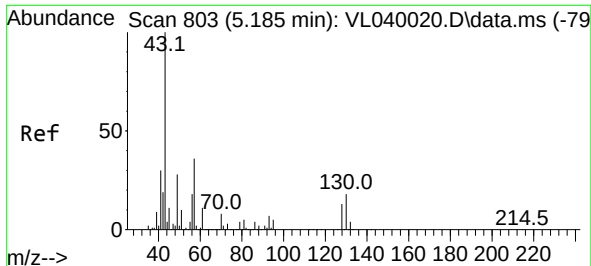


#24
 1,1-Dichloroethane
 Concen: 8.380 ppbv
 RT: 4.542 min Scan# 603
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion: 63 Resp: 1191114

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.2
100	2.6	1.1	3.3



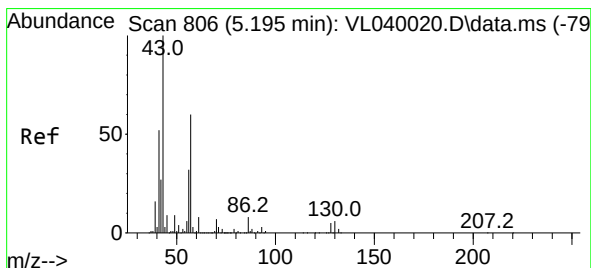
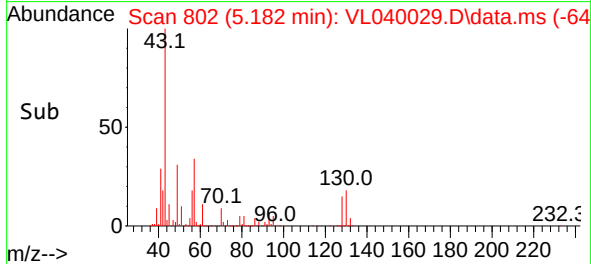
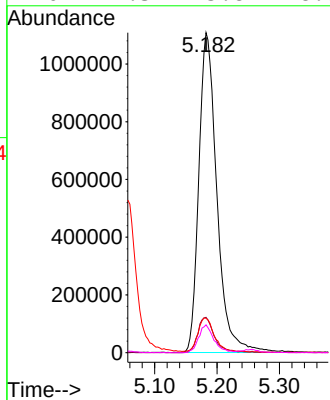
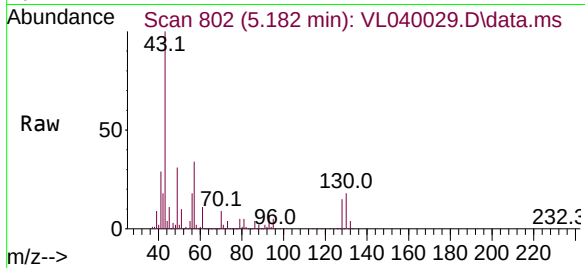


#25
Ethyl Acetate
Concen: 8.433 ppbv
RT: 5.182 min Scan# 803
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

Tgt Ion: 43 Resp: 2229781

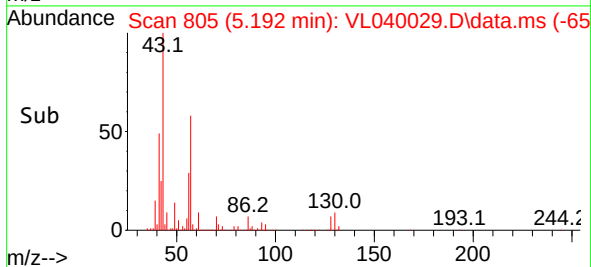
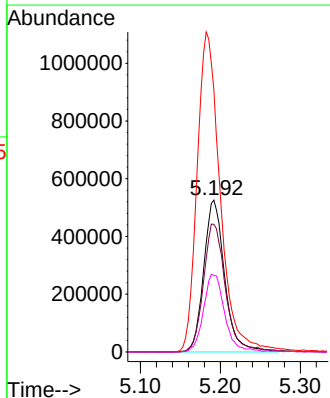
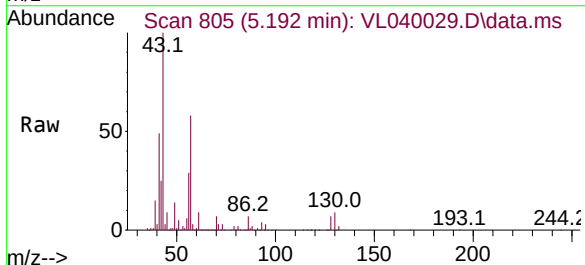
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	12.8
61	10.4	8.5	12.7
70	7.3	5.8	8.8

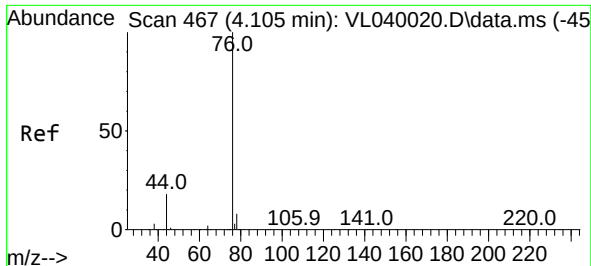


#26
Hexane
Concen: 8.604 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 57 Resp: 956156

Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.1	108.1
43	234.0	192.1	288.1
56	52.4	42.5	63.7





#27

Carbon Disulfide

Concen: 9.951 ppbv

RT: 4.102 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

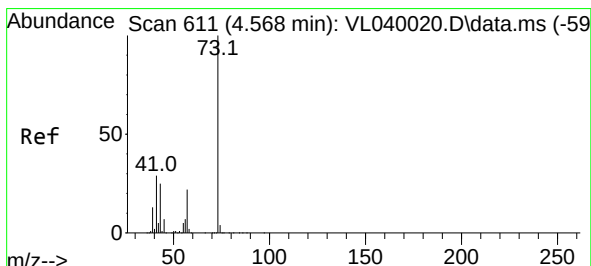
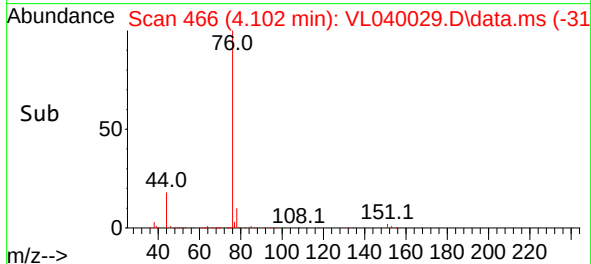
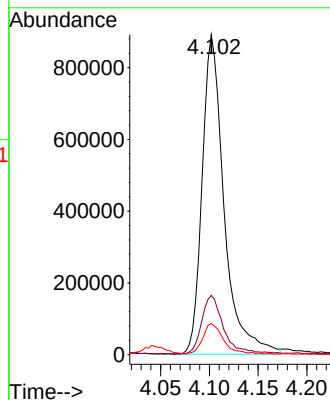
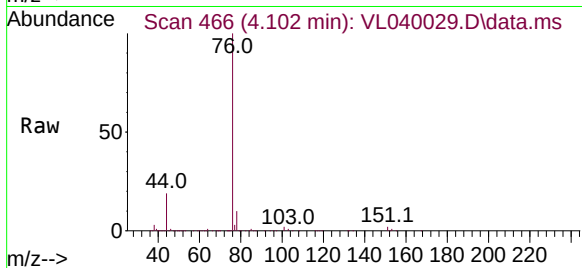
MSVOA_1

ClientSampleId :

VL1219ABS01

Tgt Ion: 76 Resp: 1394935

Ion	Ratio	Lower	Upper
76	100		
44	18.0	15.3	22.9
78	9.9	7.8	11.6



#28

Methyl tert-Butyl Ether

Concen: 8.607 ppbv

RT: 4.565 min Scan# 610

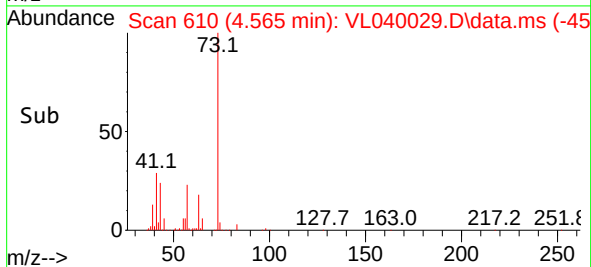
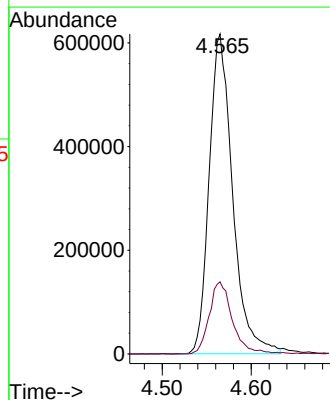
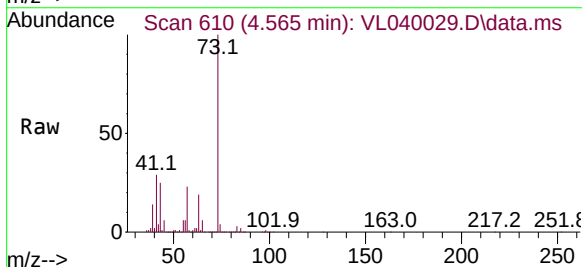
Delta R.T. -0.003 min

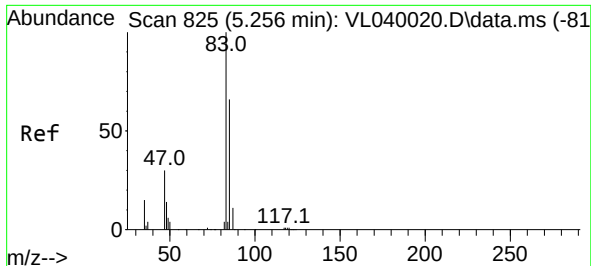
Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Tgt Ion: 73 Resp: 1127265

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.6	28.0





#29

Chloroform

Concen: 9.293 ppbv

RT: 5.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

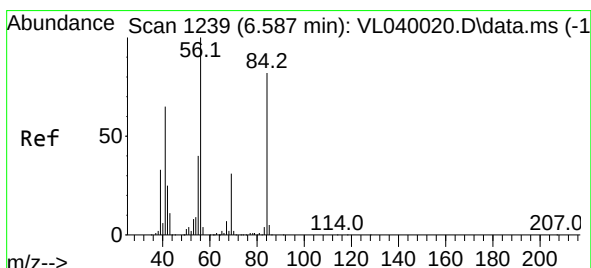
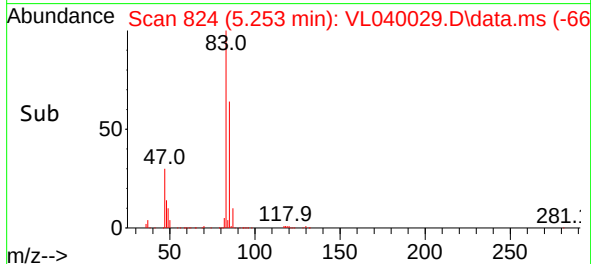
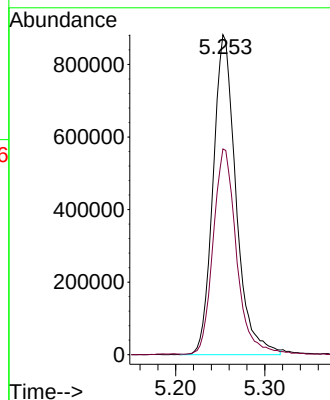
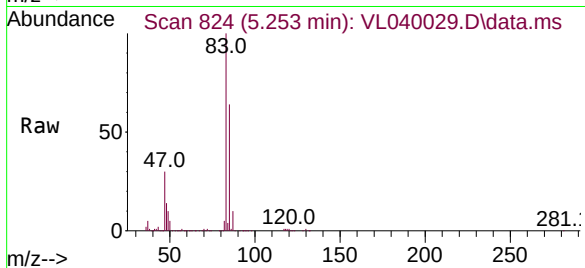
VL1219ABS01

Tgt Ion: 83 Resp: 1575958

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6



#30

Cyclohexane

Concen: 8.863 ppbv

RT: 6.581 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

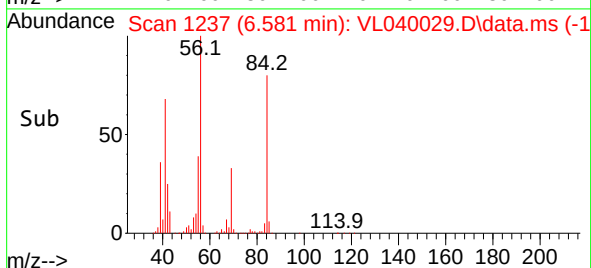
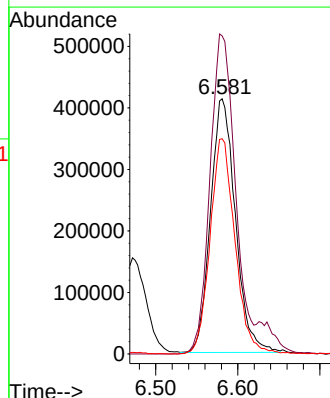
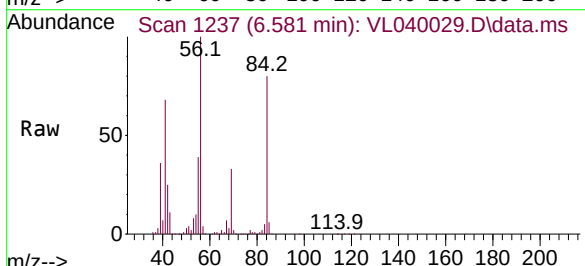
Tgt Ion: 84 Resp: 872250

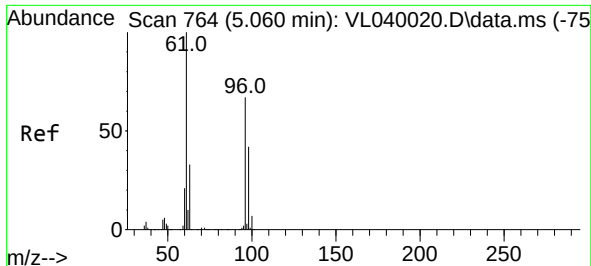
Ion Ratio Lower Upper

84 100

56 136.7 110.2 165.4

41 85.2 67.8 101.8

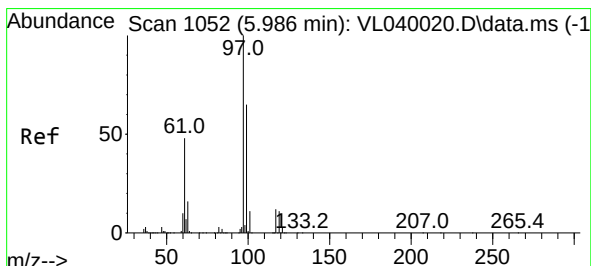
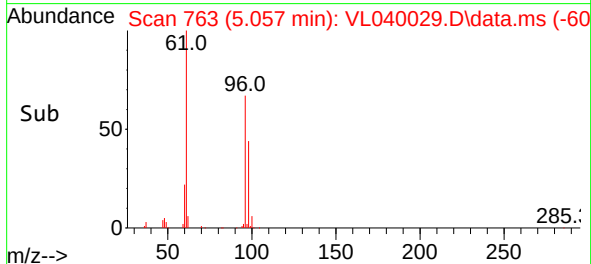
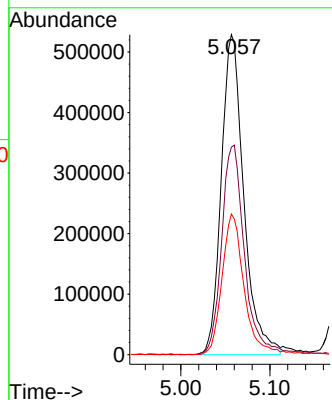
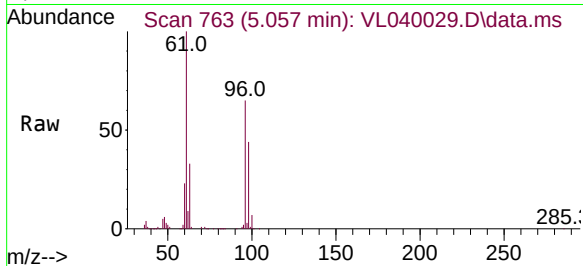




#31
 cis-1,2-Dichloroethene
 Concen: 8.772 ppbv
 RT: 5.057 min Scan# 763
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

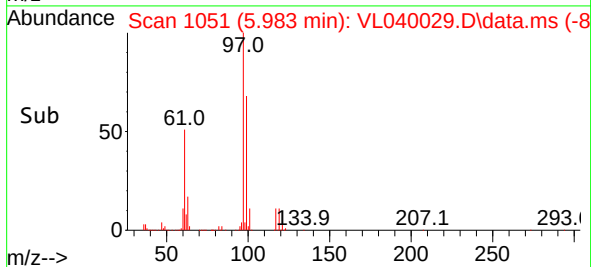
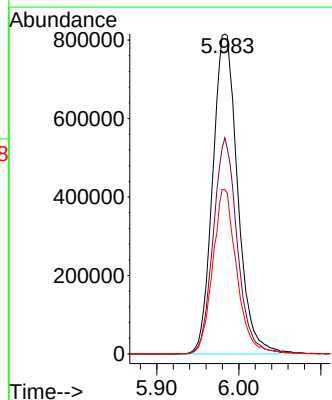
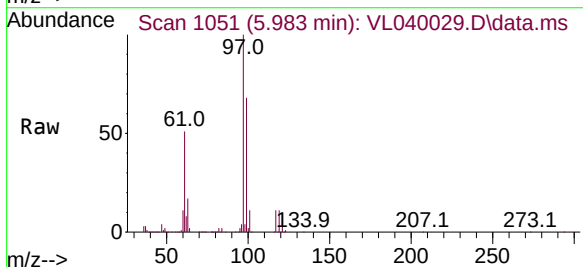
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1219ABS01

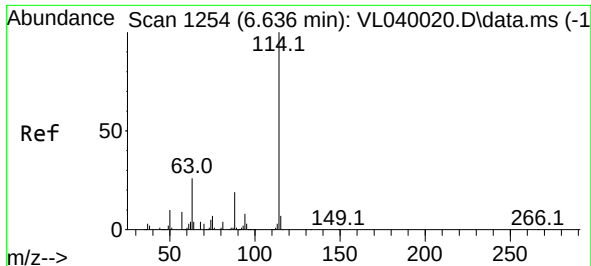
Tgt Ion: 61 Resp: 928339
 Ion Ratio Lower Upper
 61 100
 96 64.8 53.4 80.2
 98 43.8 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 9.488 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion: 97 Resp: 1722741
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 49.6 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_1

ClientSampleId :

VL1219ABS01

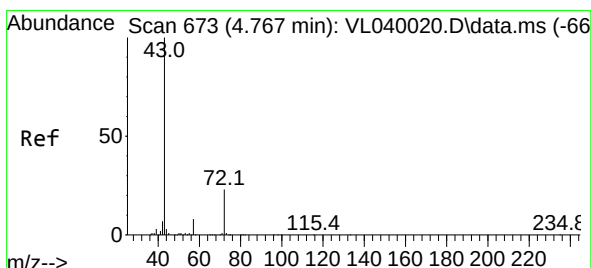
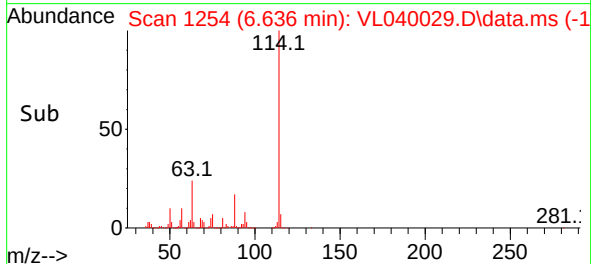
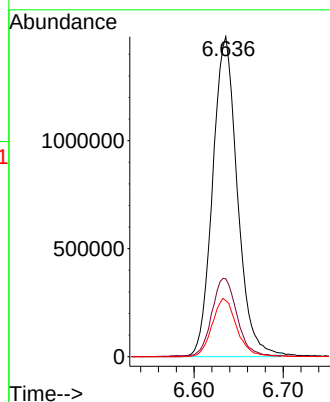
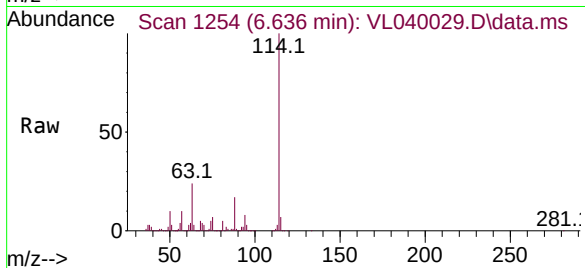
Tgt Ion:114 Resp: 2856556

Ion Ratio Lower Upper

114 100

63 25.5 20.2 30.2

88 18.2 14.6 21.8



#34

2-Butanone

Concen: 8.451 ppbv

RT: 4.764 min Scan# 672

Delta R.T. -0.003 min

Lab File: VL040029.D

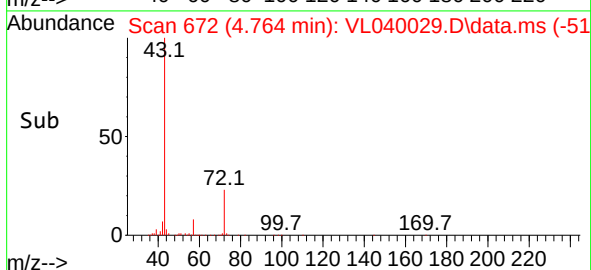
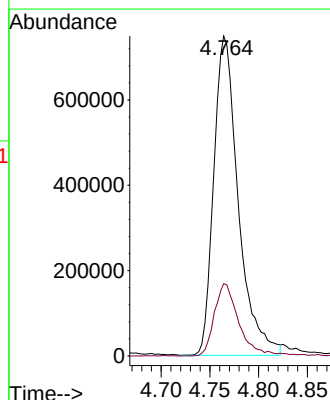
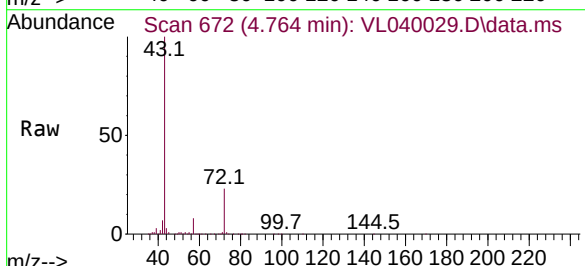
Acq: 19 Dec 2022 15:31

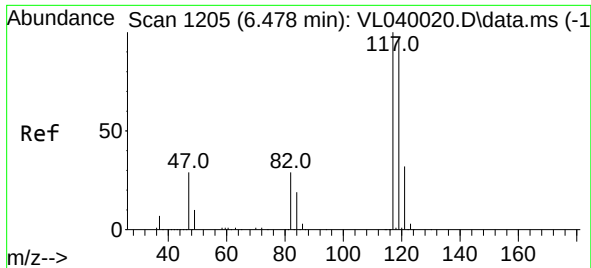
Tgt Ion: 43 Resp: 1309639

Ion Ratio Lower Upper

43 100

72 23.3 18.0 27.0

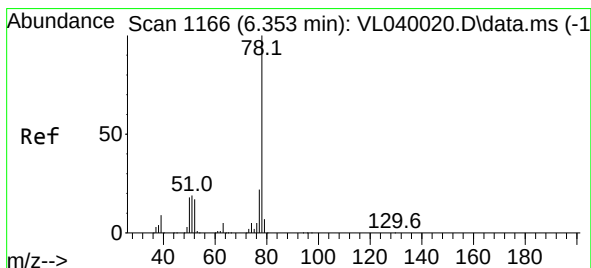
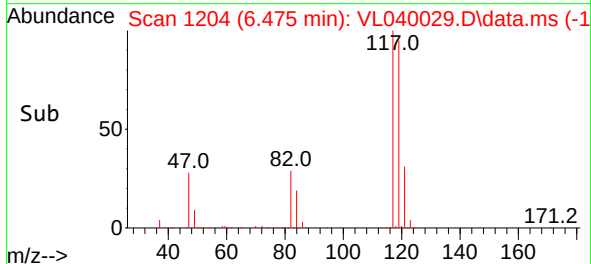
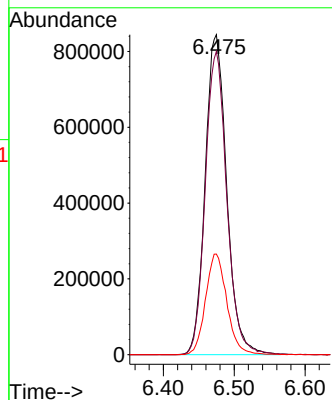
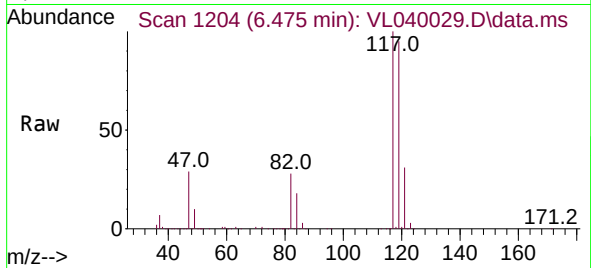




#35
Carbon Tetrachloride
Concen: 10.050 ppbv
RT: 6.475 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

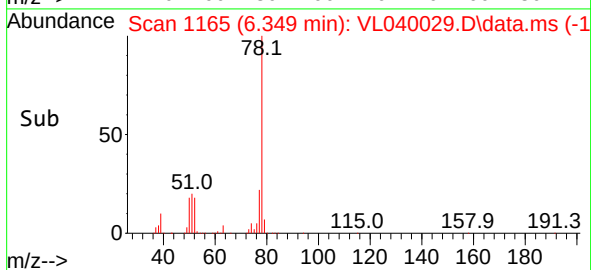
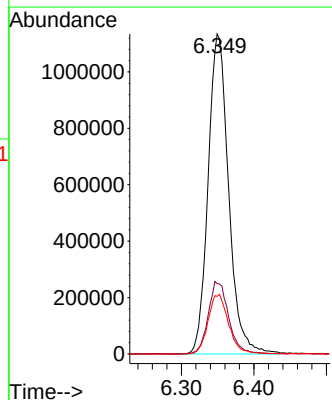
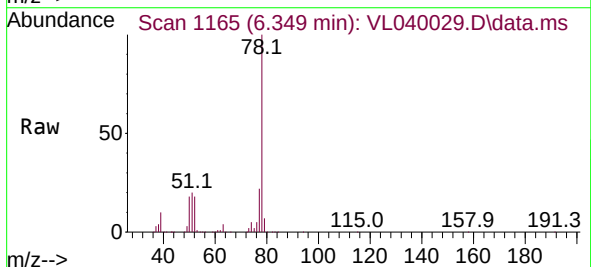
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

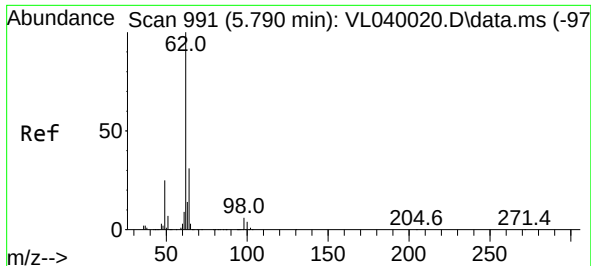
Tgt Ion:117 Resp: 1783195
Ion Ratio Lower Upper
117 100
119 94.7 77.3 115.9
121 31.4 25.4 38.0



#36
Benzene
Concen: 8.736 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 78 Resp: 2228797
Ion Ratio Lower Upper
78 100
77 22.0 17.5 26.3
50 18.0 14.2 21.2





#37

1,2-Dichloroethane

Concen: 8.838 ppbv

RT: 5.787 min Scan# 991

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

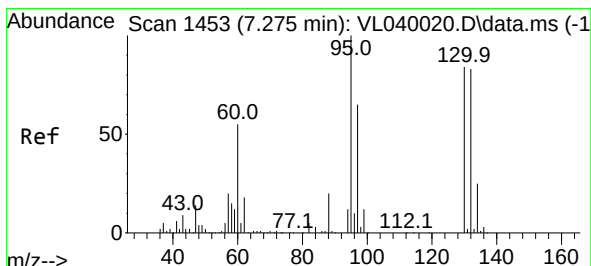
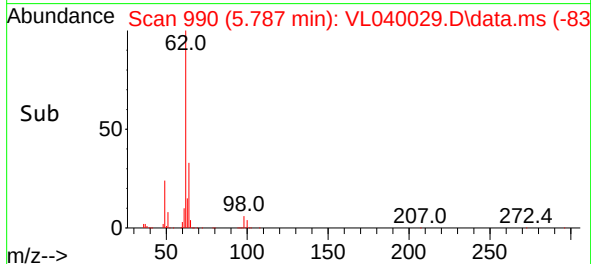
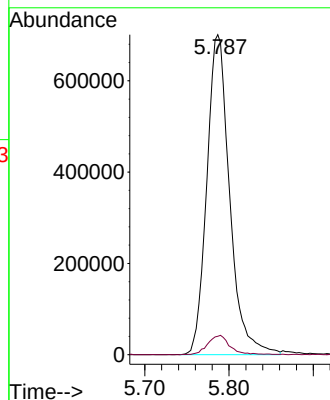
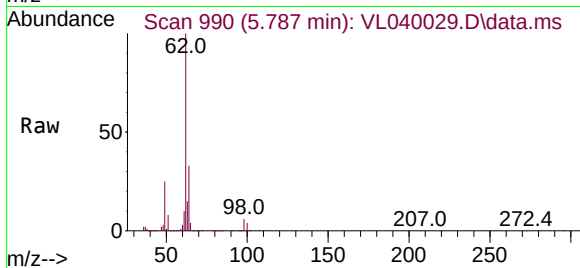
VL1219ABS01

Tgt Ion: 62 Resp: 1322699

Ion Ratio Lower Upper

62 100

98 6.0 5.1 7.7



#38

Trichloroethene

Concen: 9.938 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Tgt Ion:130 Resp: 1302947

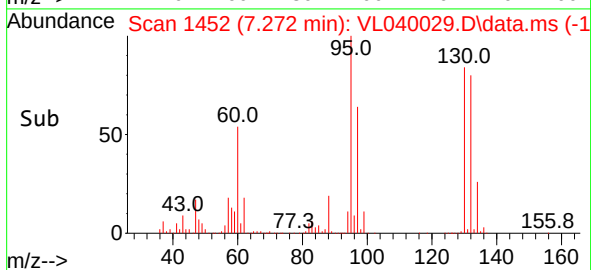
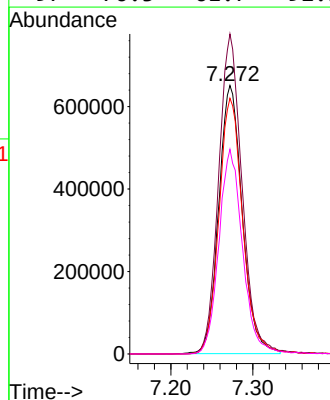
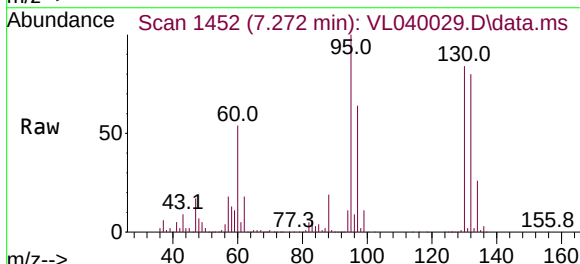
Ion Ratio Lower Upper

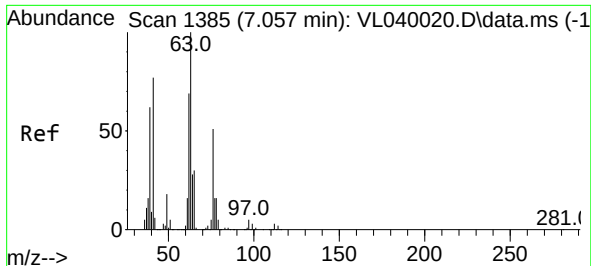
130 100

95 119.3 94.8 142.2

132 95.3 78.2 117.4

97 76.3 61.7 92.5





#39

1,2-Dichloropropane

Concen: 8.665 ppbv

RT: 7.054 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01

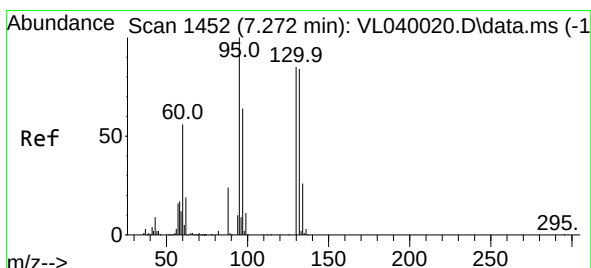
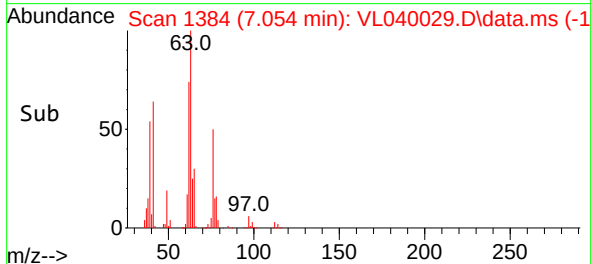
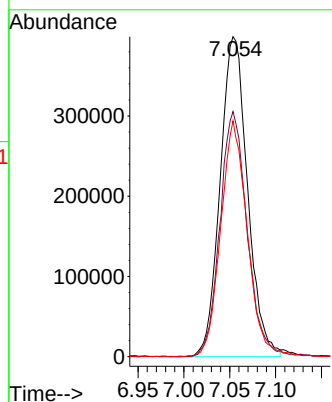
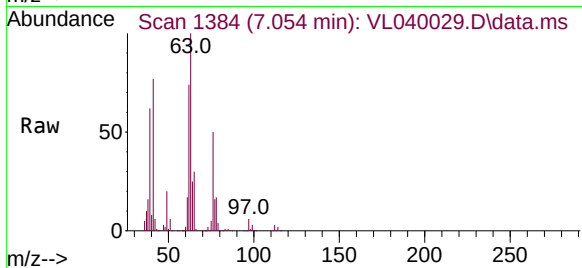
Tgt Ion: 63 Resp: 828600

Ion Ratio Lower Upper

63 100

41 76.4 61.4 92.0

62 73.7 55.4 83.2



#40

1,4-Dioxane

Concen: 7.853 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Tgt Ion: 88 Resp: 338470

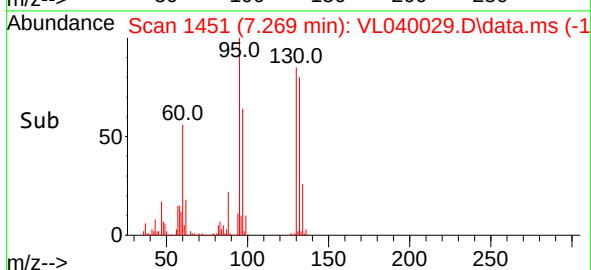
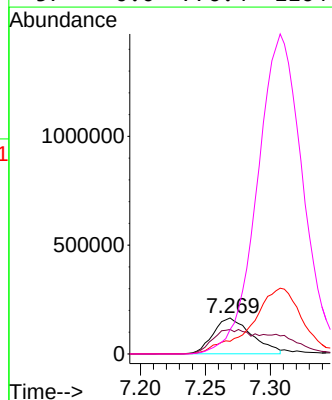
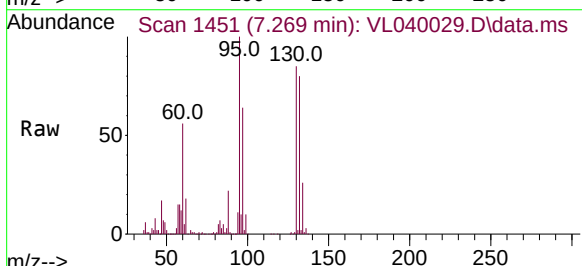
Ion Ratio Lower Upper

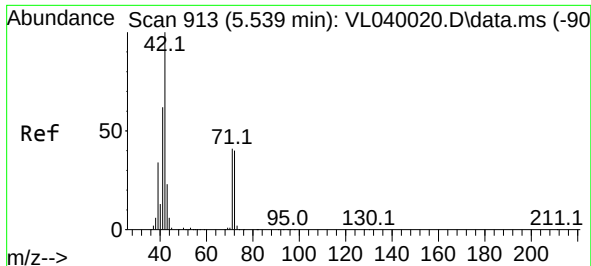
88 100

58 126.0 92.7 139.1

43 0.0 174.6 261.8#

57 0.0 776.4 1164.6#





#41

Tetrahydrofuran

Concen: 8.654 ppbv

RT: 5.536 min Scan# 913

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01

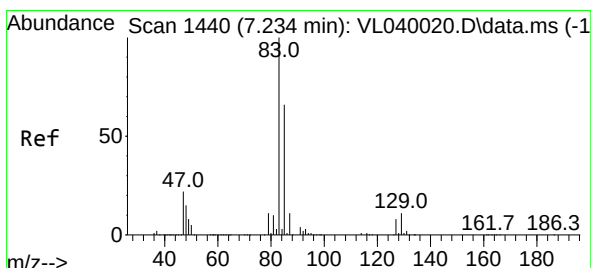
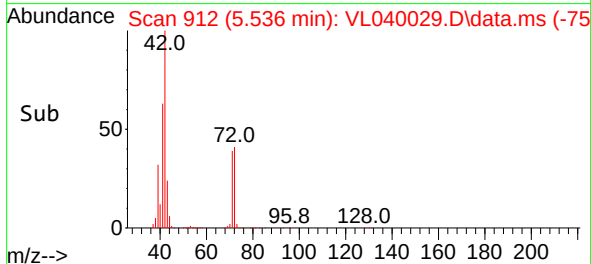
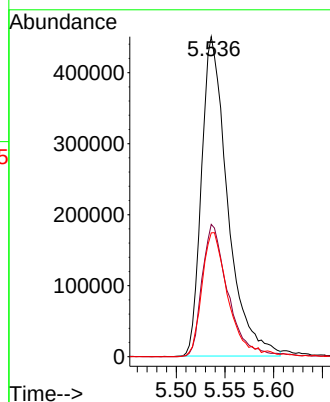
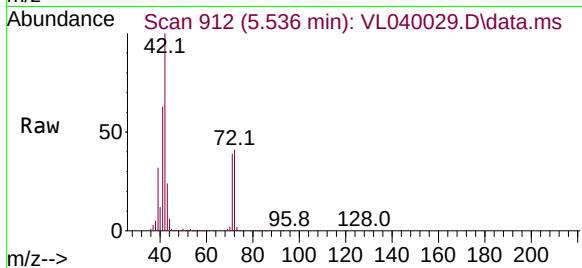
Tgt Ion: 42 Resp: 837050

Ion Ratio Lower Upper

42 100

72 41.7 32.9 49.3

71 39.8 32.2 48.2



#42

Bromodichloromethane

Concen: 9.300 ppbv

RT: 7.230 min Scan# 1439

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

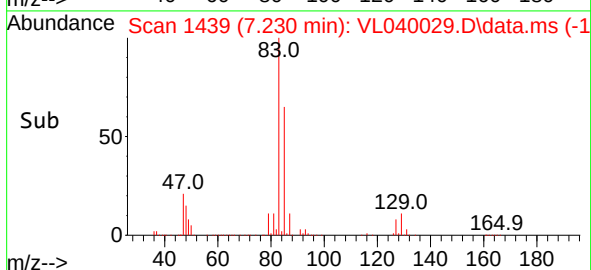
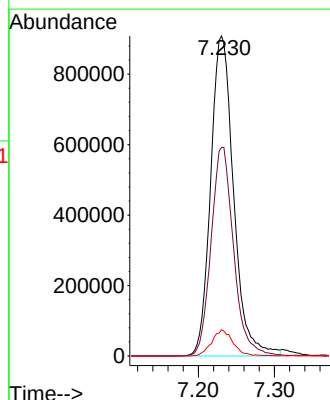
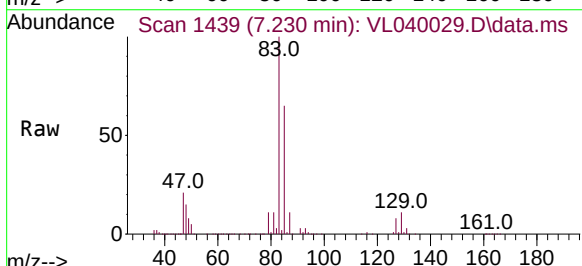
Tgt Ion: 83 Resp: 1906729

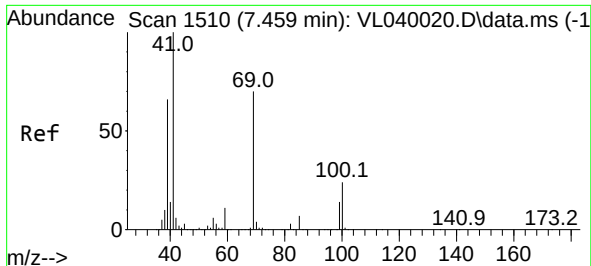
Ion Ratio Lower Upper

83 100

85 65.1 53.0 79.6

127 8.2 6.2 9.2

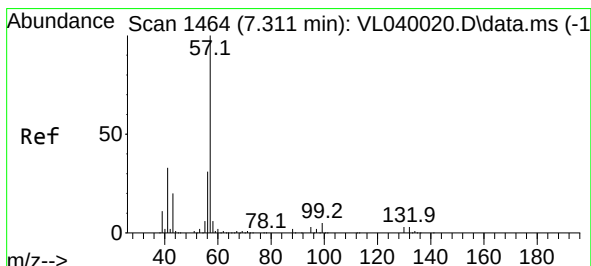
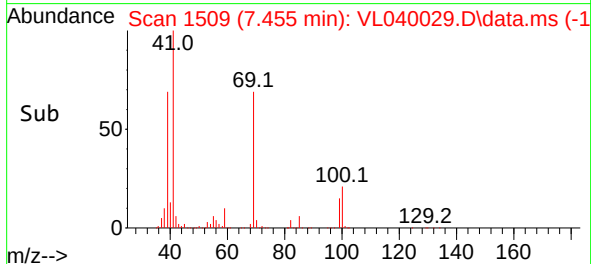
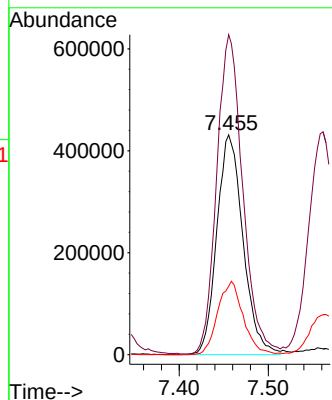
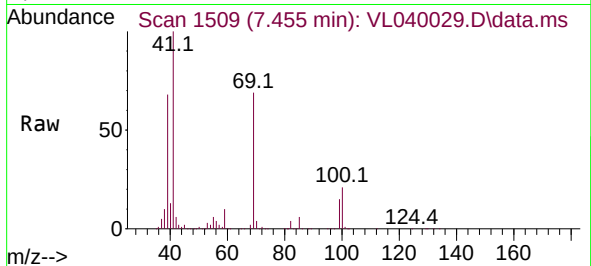




#43
Methyl Methacrylate
Concen: 9.191 ppbv
RT: 7.455 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

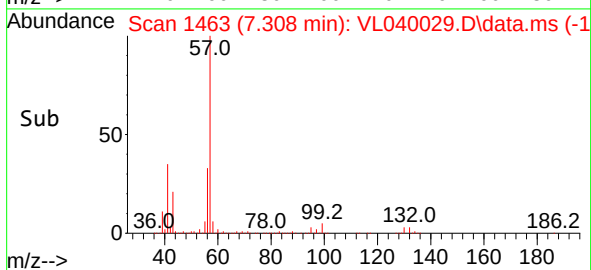
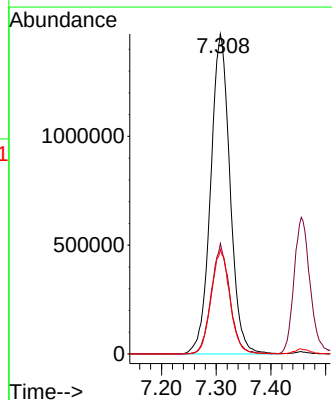
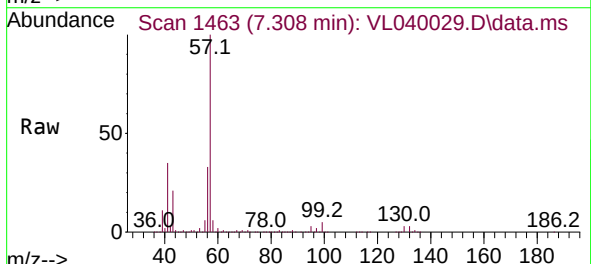
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

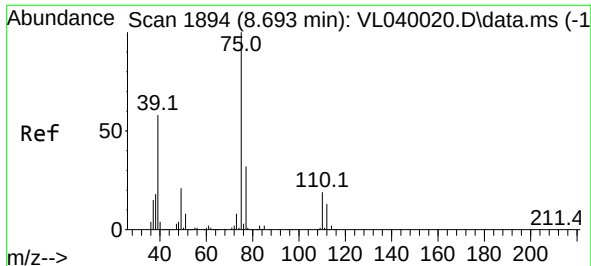
Tgt Ion: 69 Resp: 880016
Ion Ratio Lower Upper
69 100
41 145.1 115.7 173.5
100 32.7 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 8.600 ppbv
RT: 7.308 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 57 Resp: 3612117
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.4
56 31.5 25.1 37.7

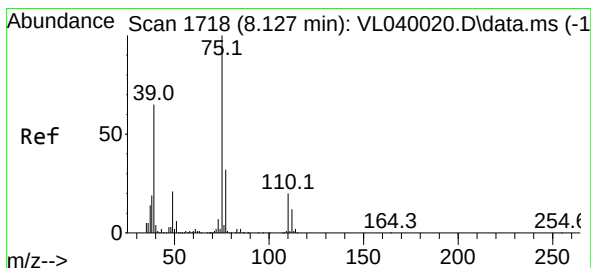
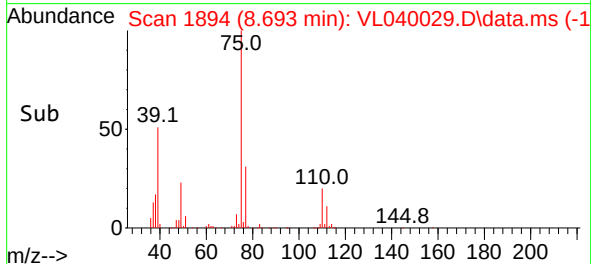
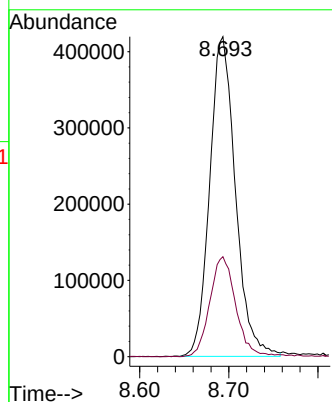
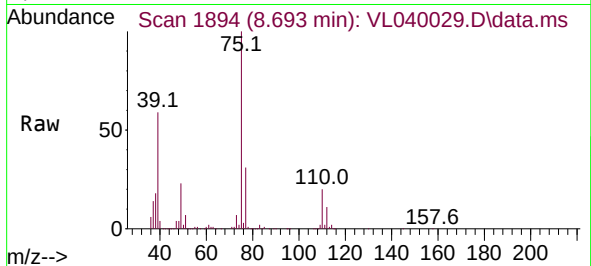




#45
 t-1,3-Dichloropropene
 Concen: 10.389 ppbv
 RT: 8.693 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

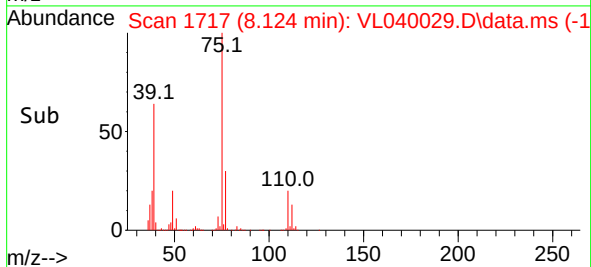
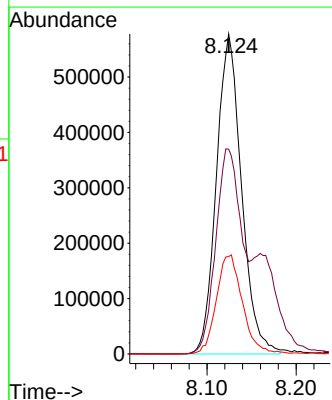
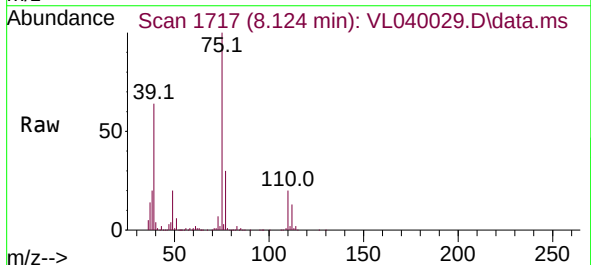
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1219ABS01

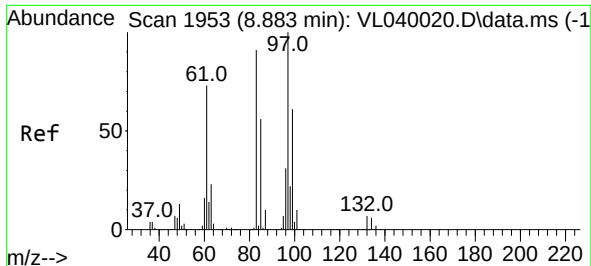
Tgt Ion: 75 Resp: 840698
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 9.927 ppbv
 RT: 8.124 min Scan# 1717
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion: 75 Resp: 1132967
 Ion Ratio Lower Upper
 75 100
 39 64.0 51.7 77.5
 77 30.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 8.570 ppbv

RT: 8.883 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01

Tgt Ion: 97 Resp: 897425

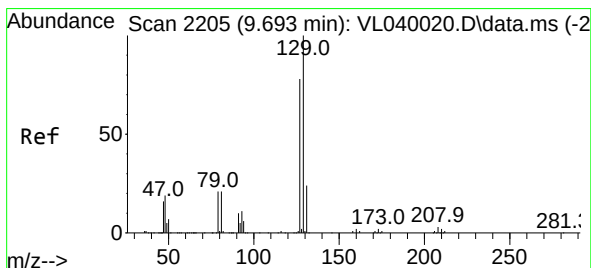
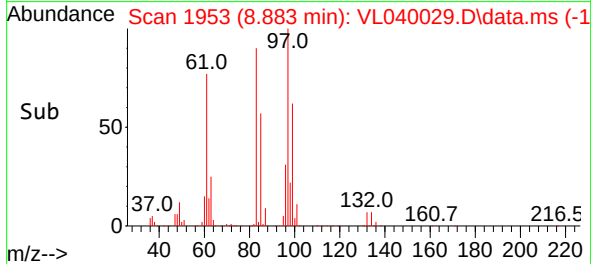
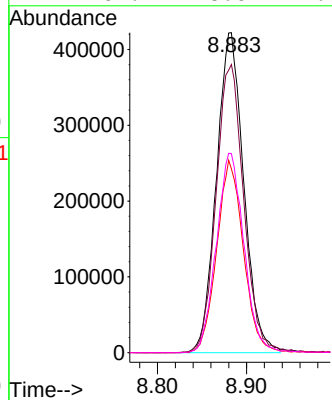
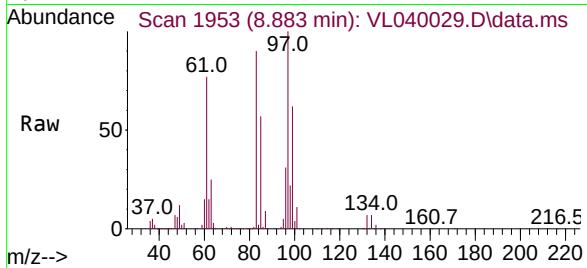
Ion Ratio Lower Upper

97 100

83 90.0 72.5 108.7

85 57.4 45.0 67.6

99 62.2 48.6 72.8



#48

Dibromochloromethane

Concen: 9.472 ppbv

RT: 9.693 min Scan# 2205

Delta R.T. 0.000 min

Lab File: VL040029.D

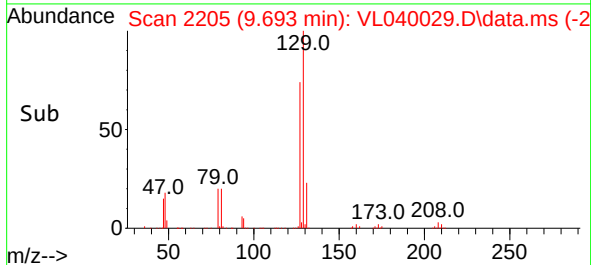
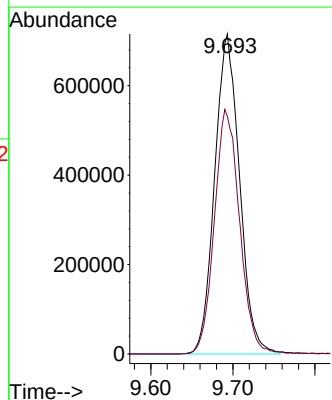
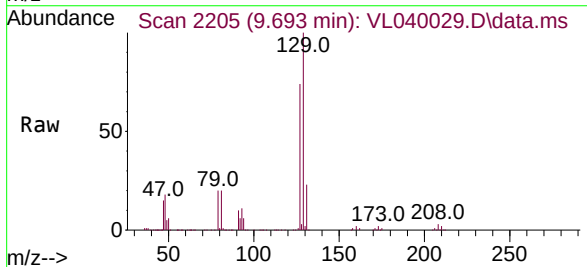
Acq: 19 Dec 2022 15:31

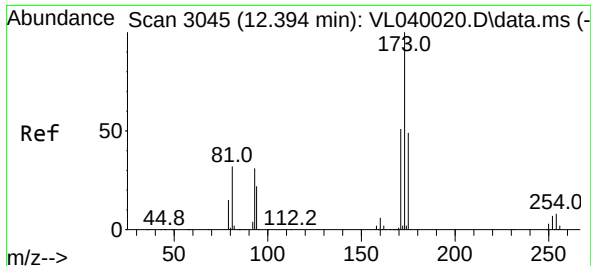
Tgt Ion: 129 Resp: 1508572

Ion Ratio Lower Upper

129 100

127 77.8 39.4 118.1

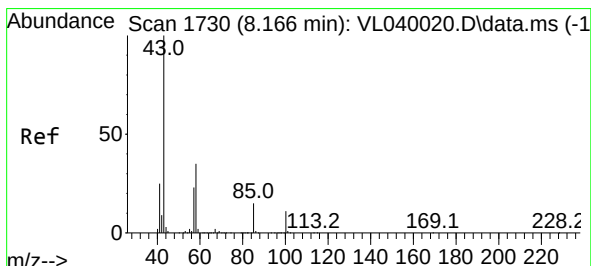
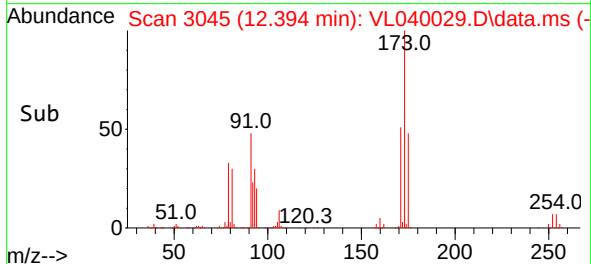
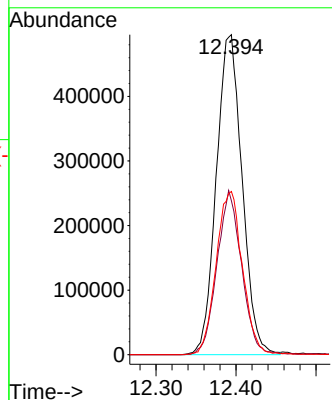
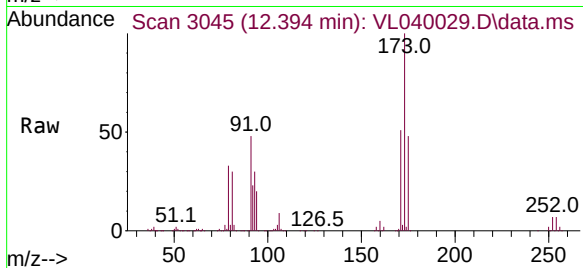




#49
Bromoform
Concen: 9.137 ppbv
RT: 12.394 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

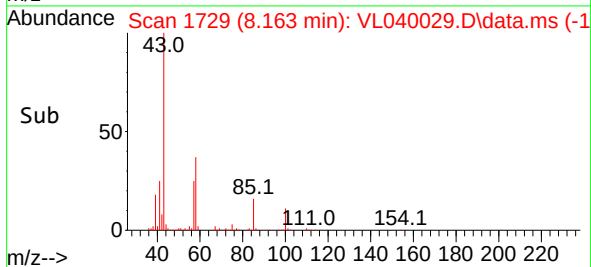
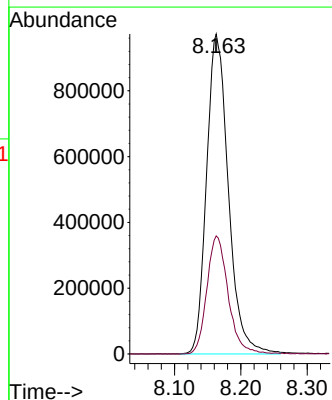
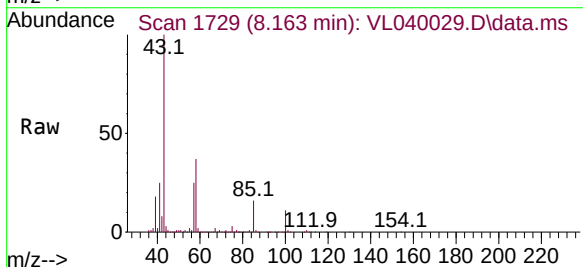
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

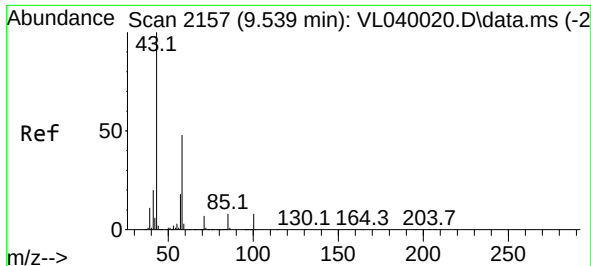
Tgt Ion:173 Resp: 1110024
Ion Ratio Lower Upper
173 100
175 49.2 39.0 58.4
171 52.1 42.0 63.0



#50
4-Methyl-2-Pentanone
Concen: 8.765 ppbv
RT: 8.163 min Scan# 1729
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 43 Resp: 2218884
Ion Ratio Lower Upper
43 100
58 36.2 29.0 43.4

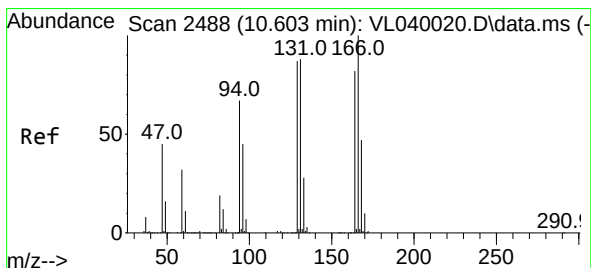
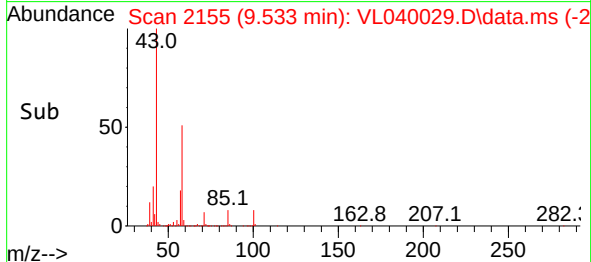
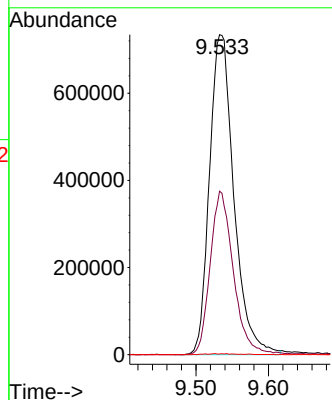
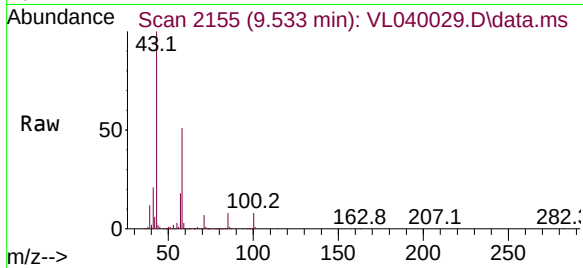




#51
2-Hexanone
Concen: 8.722 ppbv
RT: 9.533 min Scan# 2157
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

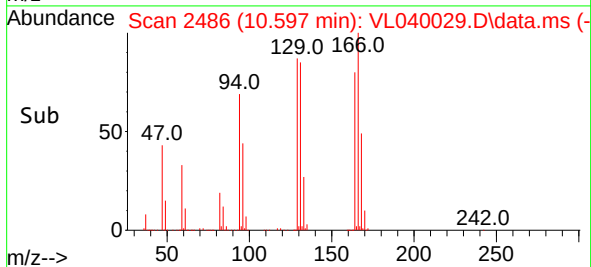
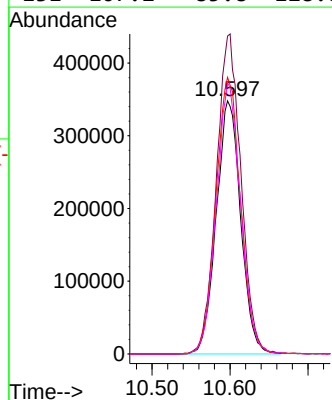
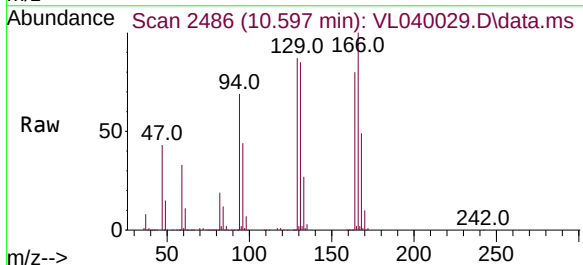
Instrument :
MSVOA_1
ClientSampleId :
VL1219ABS01

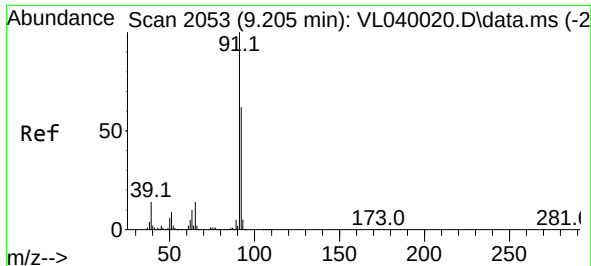
Tgt Ion: 43 Resp: 1717644
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.2
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 8.737 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 164 Resp: 757854
Ion Ratio Lower Upper
164 100
166 125.6 97.4 146.0
129 109.2 84.3 126.5
131 107.2 85.8 128.8

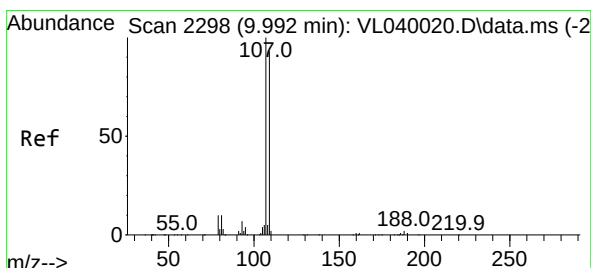
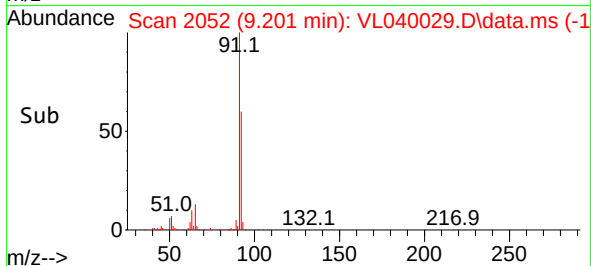
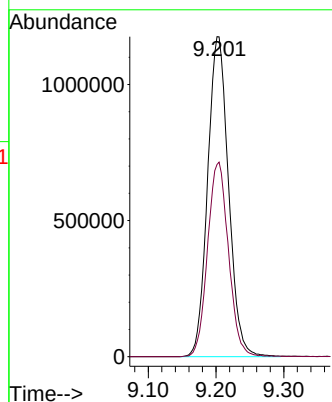
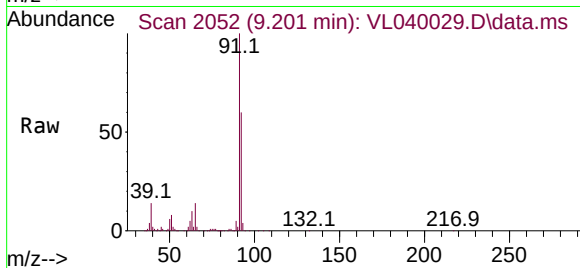




#53
Toluene
Concen: 8.908 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

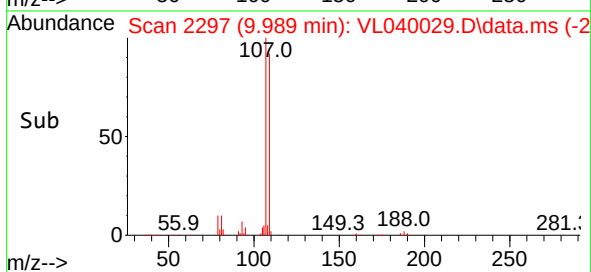
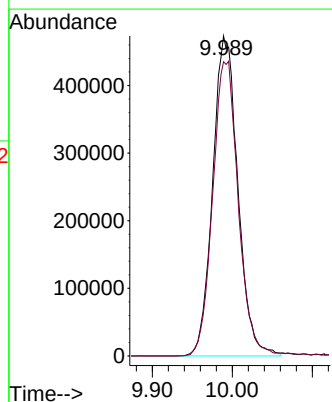
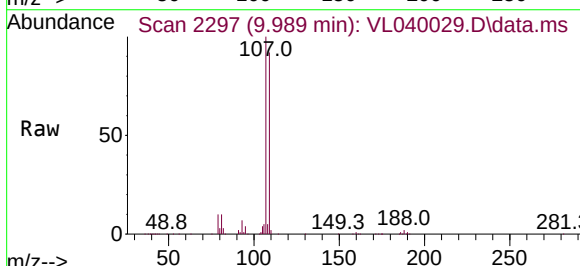
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

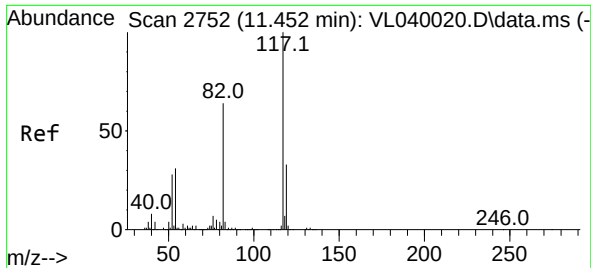
Tgt Ion: 91 Resp: 2516051
Ion Ratio Lower Upper
91 100
92 60.9 48.7 73.1



#54
1,2-Dibromoethane
Concen: 9.138 ppbv
RT: 9.989 min Scan# 2297
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 107 Resp: 1030481
Ion Ratio Lower Upper
107 100
109 91.9 74.1 111.1

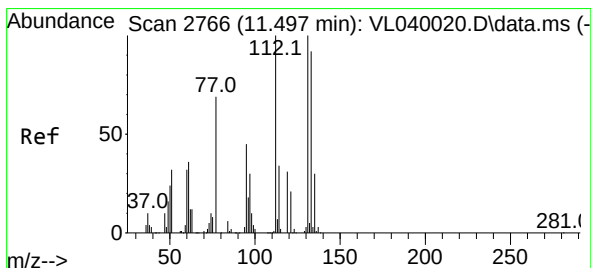
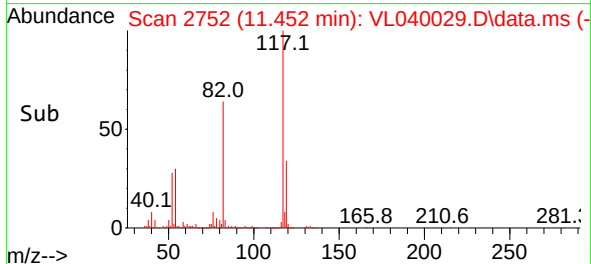
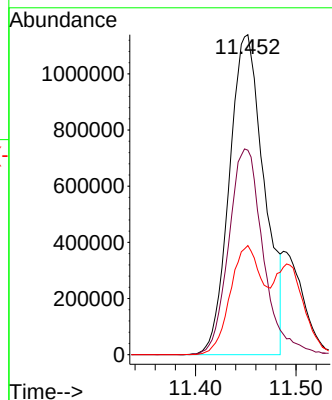
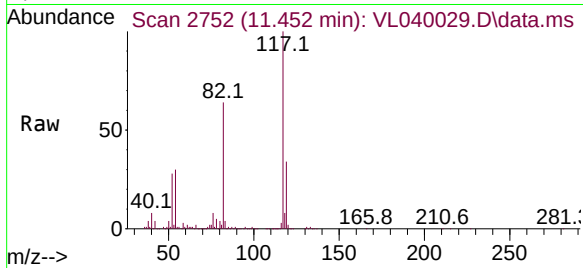




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

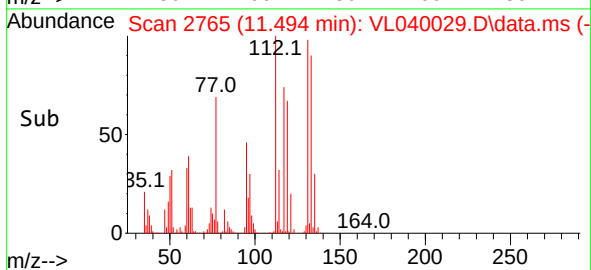
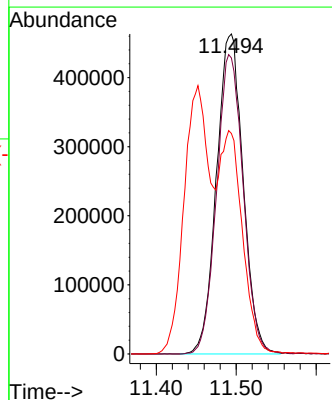
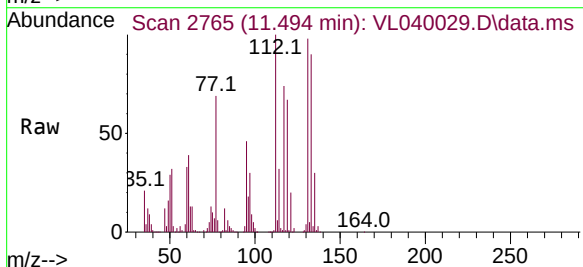
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

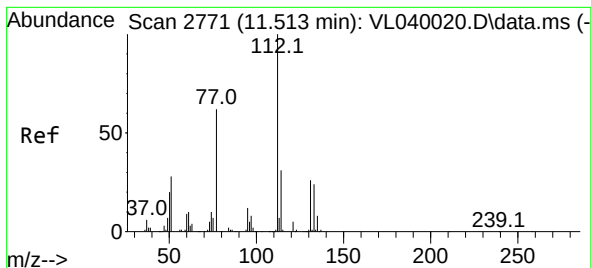
Tgt Ion:117 Resp: 2738549
Ion Ratio Lower Upper
117 100
82 64.1 51.2 76.8
119 30.8 23.2 34.8



#56
1,1,1,2-Tetrachloroethane
Concen: 8.451 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion:131 Resp: 1067579
Ion Ratio Lower Upper
131 100
133 93.4 75.8 113.8
119 65.0 52.3 78.5

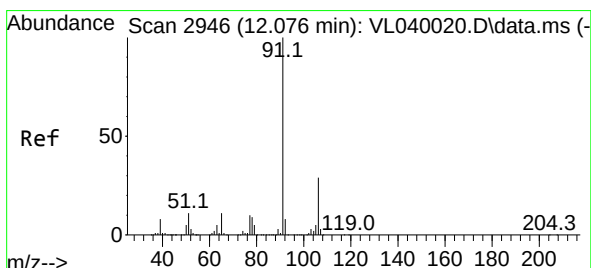
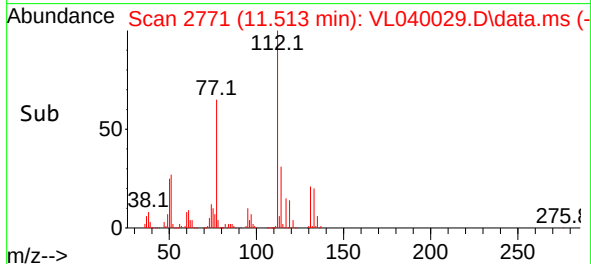
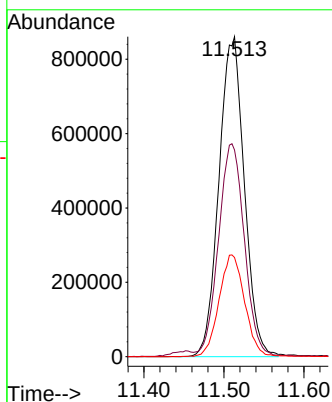
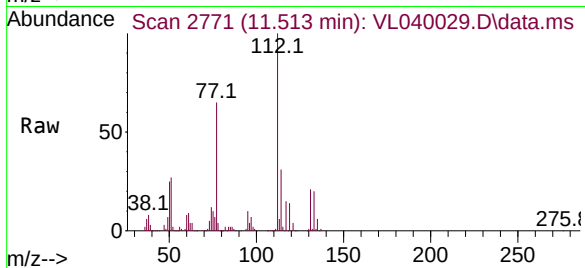




#57
Chlorobenzene
Concen: 8.159 ppbv
RT: 11.513 min Scan# 211
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

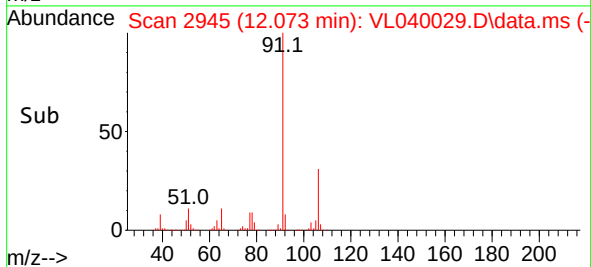
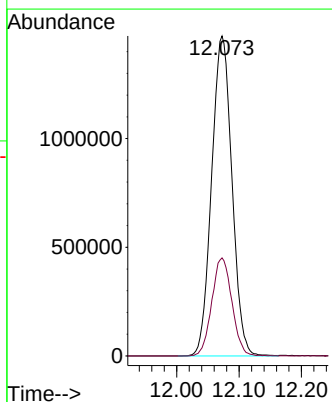
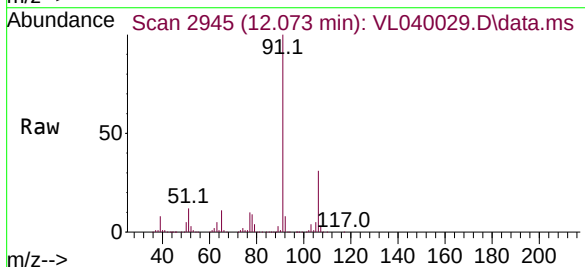
Instrument :
MSVOA_1
ClientSampleId :
VL1219ABS01

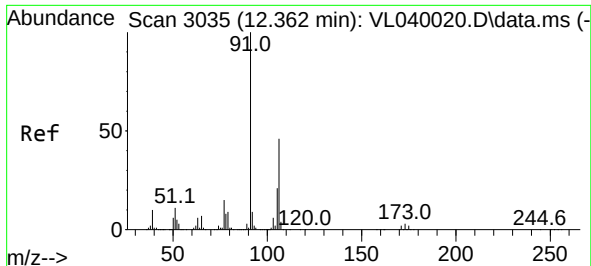
Tgt Ion:112 Resp: 1896841
Ion Ratio Lower Upper
112 100
77 64.1 50.6 75.8
114 30.9 27.8 34.0



#58
Ethyl Benzene
Concen: 8.554 ppbv
RT: 12.073 min Scan# 2945
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 91 Resp: 3328258
Ion Ratio Lower Upper
91 100
106 30.6 23.5 35.3





#59

m/p-Xylene

Concen: 8.595 ppbv

RT: 12.356 min Scan# 3033

Delta R.T. -0.006 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

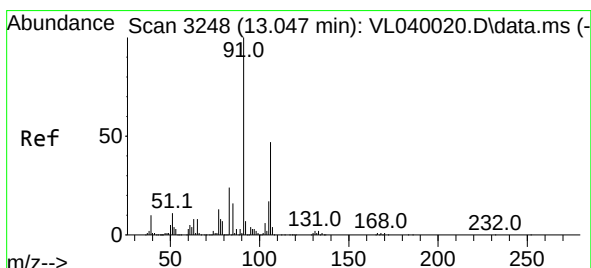
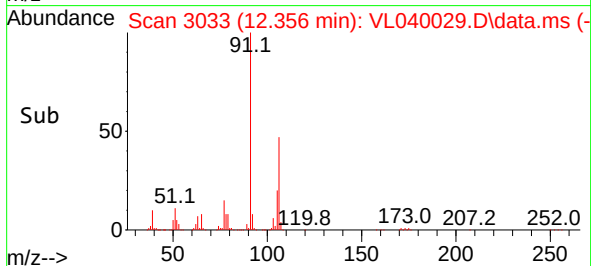
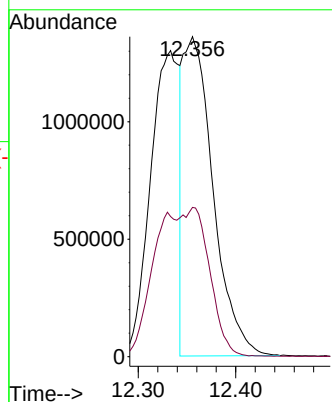
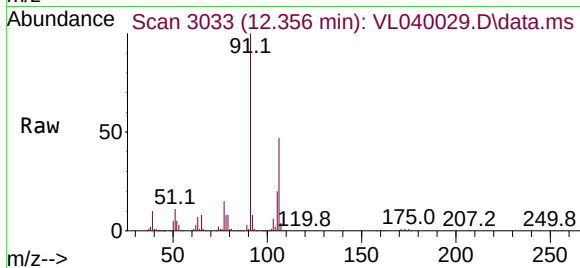
VL1219ABS01

Tgt Ion: 91 Resp: 2913548

Ion Ratio Lower Upper

91 100

106 84.8 35.5 53.3#



#60

o-Xylene

Concen: 8.212 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. -0.003 min

Lab File: VL040029.D

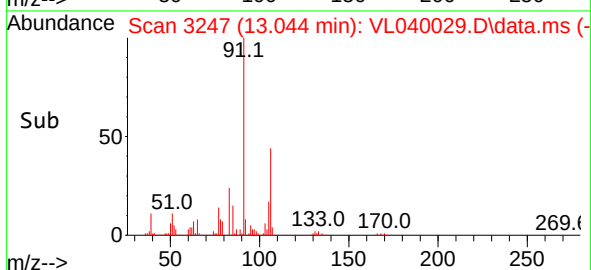
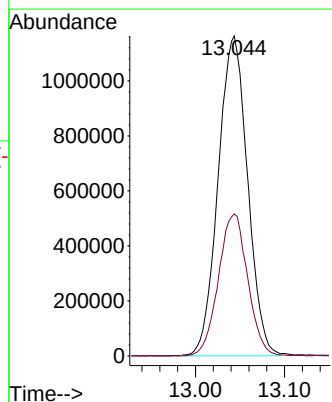
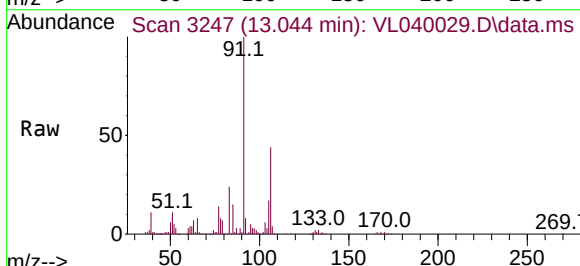
Acq: 19 Dec 2022 15:31

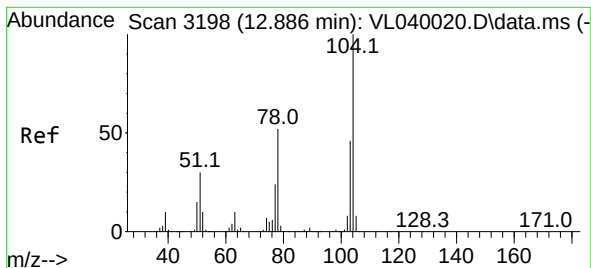
Tgt Ion: 91 Resp: 2666944

Ion Ratio Lower Upper

91 100

106 44.2 22.4 67.0





#61

Styrene

Concen: 8.925 ppbv

RT: 12.883 min Scan# 3198

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01

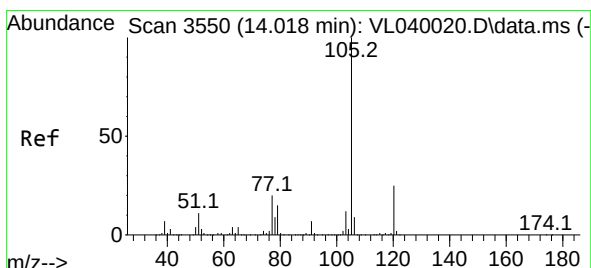
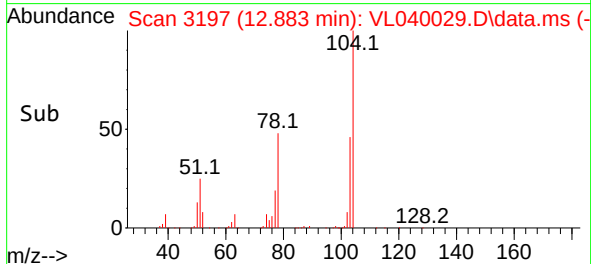
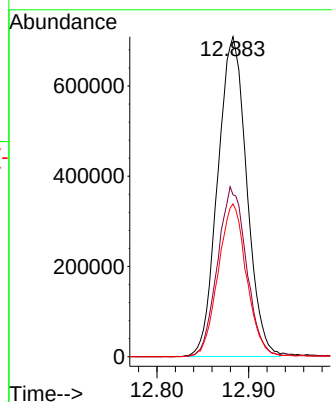
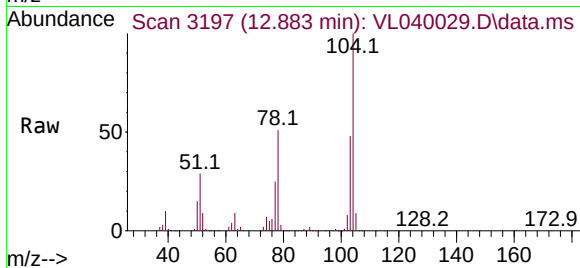
Tgt Ion:104 Resp: 1554552

Ion Ratio Lower Upper

104 100

78 53.4 42.4 63.6

103 47.2 37.2 55.8



#62

Isopropylbenzene

Concen: 7.938 ppbv

RT: 14.015 min Scan# 3549

Delta R.T. -0.003 min

Lab File: VL040029.D

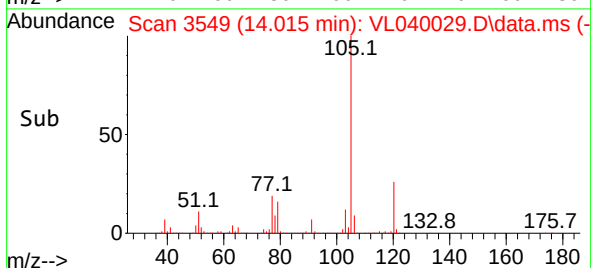
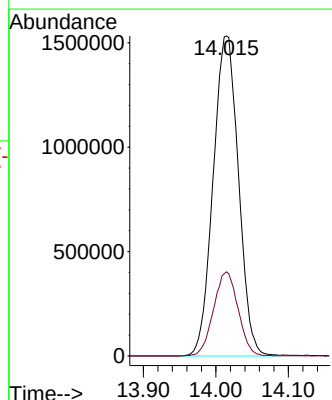
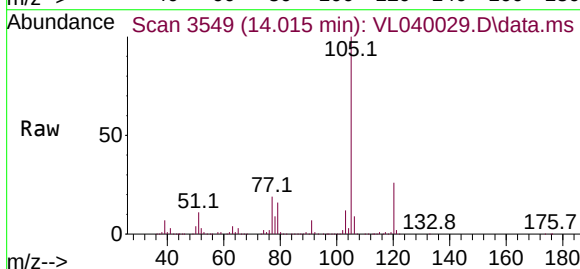
Acq: 19 Dec 2022 15:31

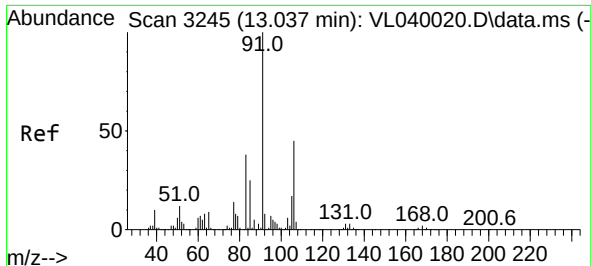
Tgt Ion:105 Resp: 3716682

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

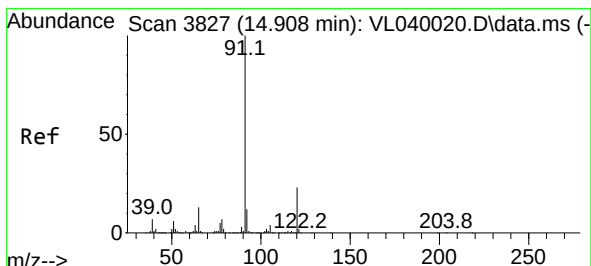
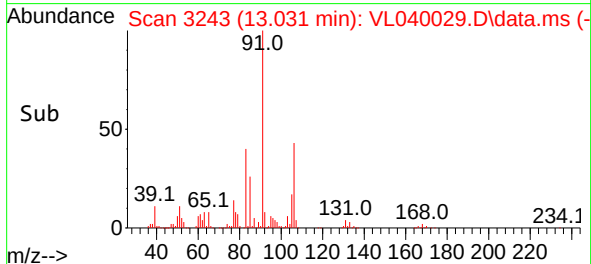
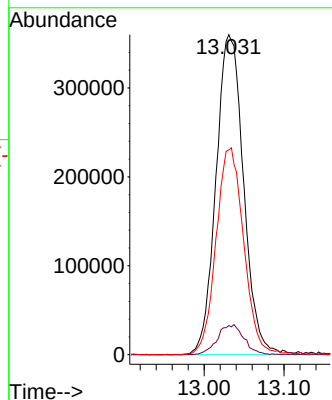
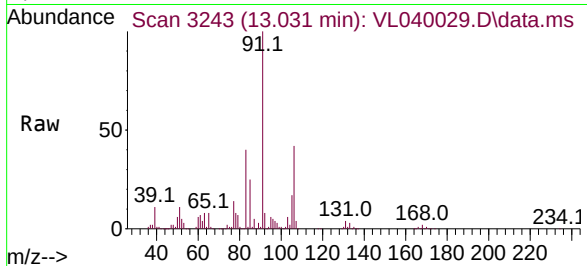




#63
1,1,2,2-Tetrachloroethane
Concen: 7.212 ppbv
RT: 13.031 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

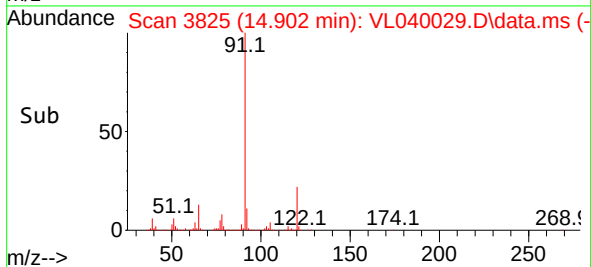
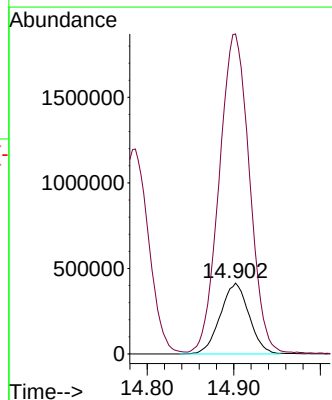
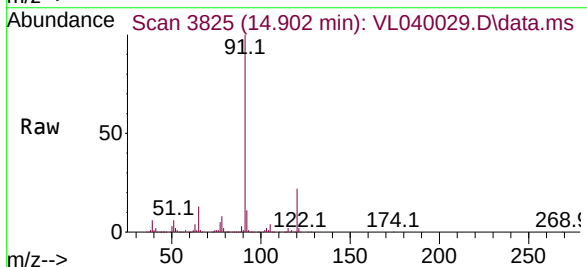
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

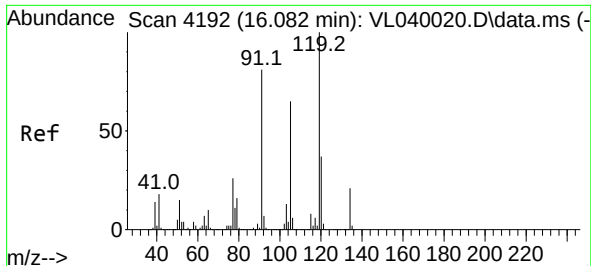
Tgt Ion: 83 Resp: 858662
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 65.4 33.3 99.9



#64
n-propylbenzene
Concen: 8.040 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 120 Resp: 950776
Ion Ratio Lower Upper
120 100
91 479.6 384.3 576.5

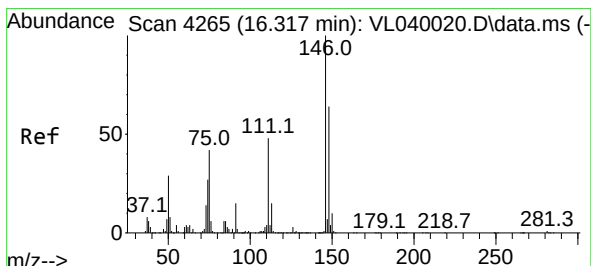
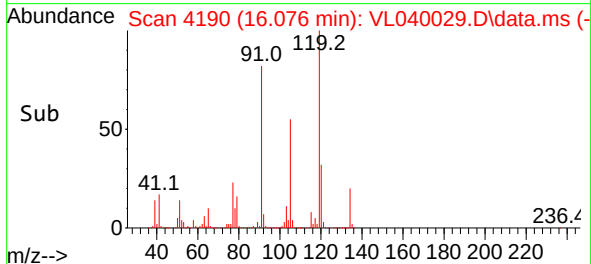
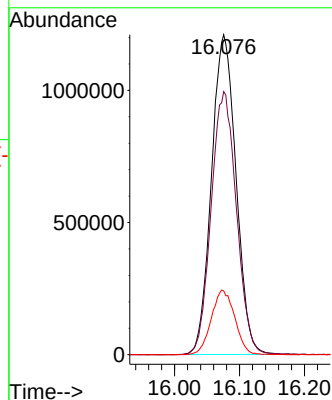
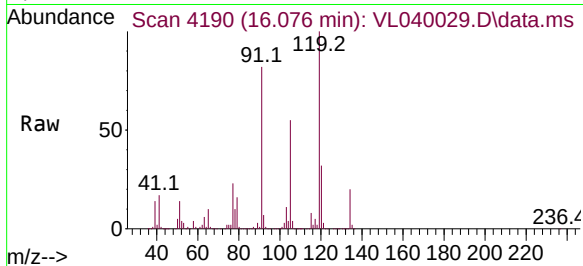




#65
tert-Butylbenzene
Concen: 7.810 ppbv
RT: 16.076 min Scan# 4190
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

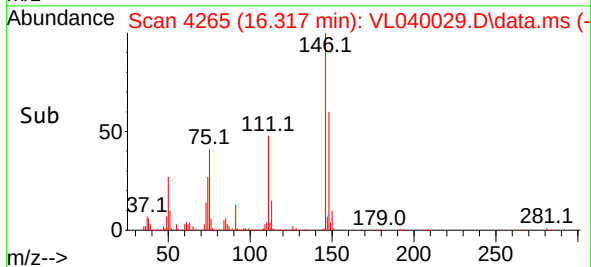
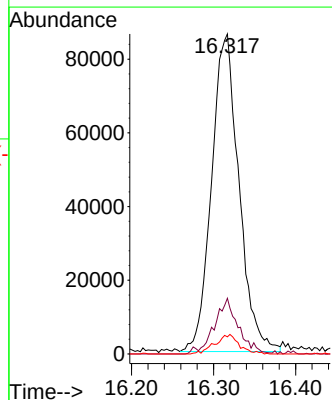
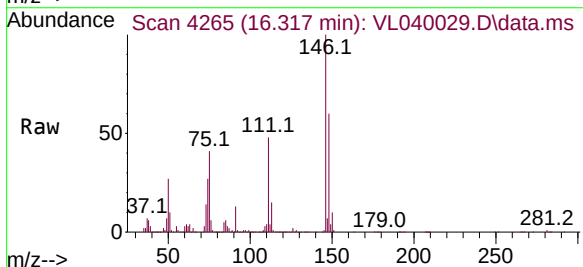
Instrument :
MSVOA_1
ClientSampleId :
VL1219ABS01

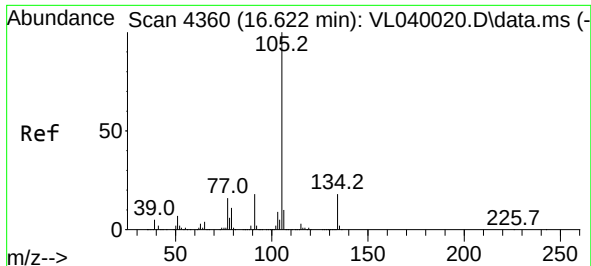
Tgt Ion:119 Resp: 3177550
Ion Ratio Lower Upper
119 100
91 84.6 66.9 100.3
134 19.3 15.8 23.6



#66
Benzyl Chloride
Concen: 8.438 ppbv
RT: 16.317 min Scan# 4265
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 91 Resp: 200199
Ion Ratio Lower Upper
91 100
126 15.8 12.2 18.2
128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.712 ppbv

RT: 16.622 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_1

ClientSampleId :

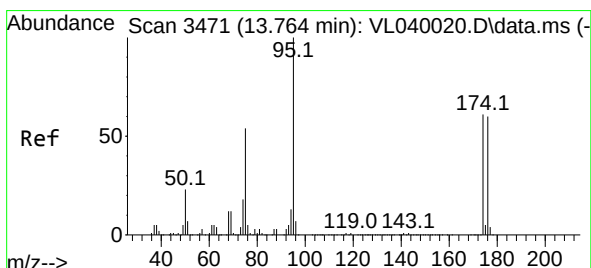
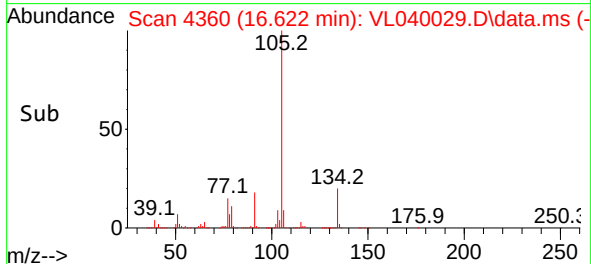
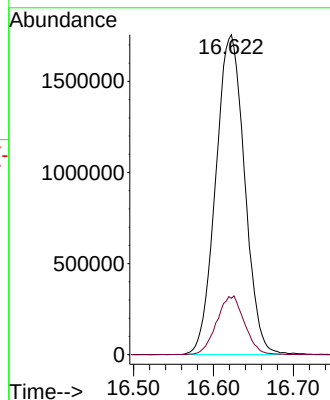
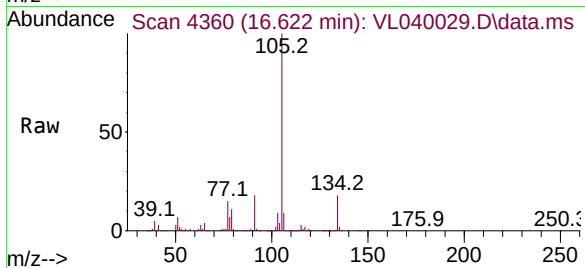
VL1219ABS01

Tgt Ion:105 Resp: 4396906

Ion Ratio Lower Upper

105 100

134 17.8 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.953 ppbv

RT: 13.757 min Scan# 3469

Delta R.T. -0.006 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

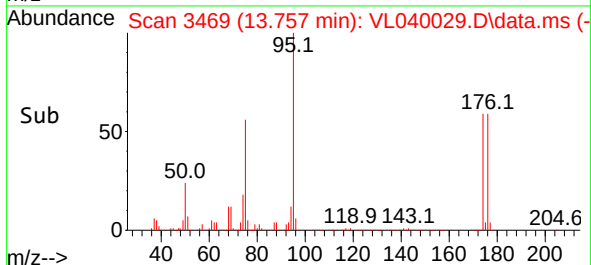
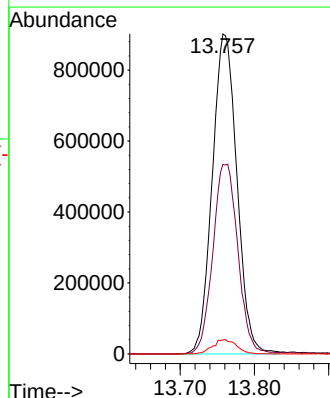
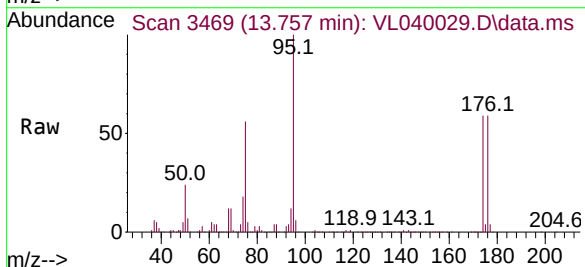
Tgt Ion: 95 Resp: 2082141

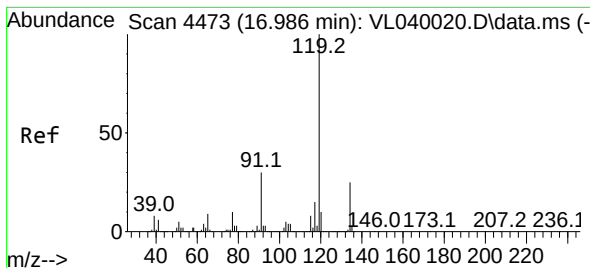
Ion Ratio Lower Upper

95 100

174 60.5 48.6 73.0

175 4.4 3.4 5.2





#69

p-Isopropyltoluene

Concen: 7.889 ppbv

RT: 16.982 min Scan# 4473

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01

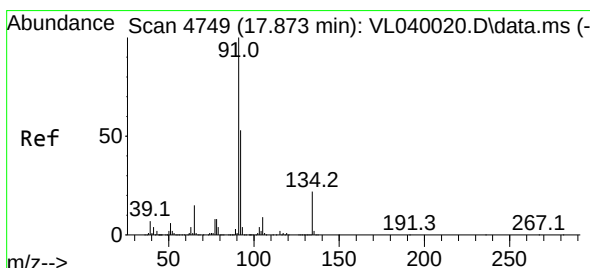
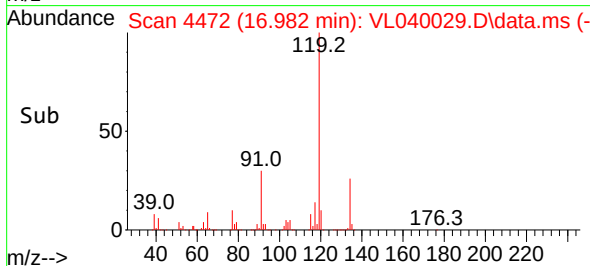
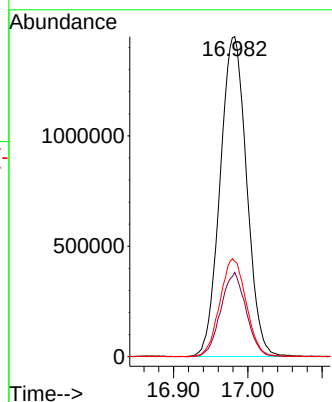
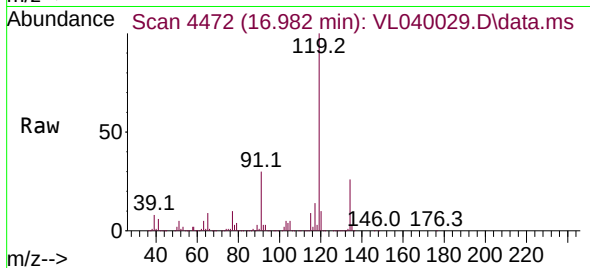
Tgt Ion:119 Resp: 3593079

Ion Ratio Lower Upper

119 100

134 25.3 20.2 30.4

91 30.5 24.2 36.4



#70

n-Butylbenzene

Concen: 7.852 ppbv

RT: 17.870 min Scan# 4748

Delta R.T. -0.003 min

Lab File: VL040029.D

Acq: 19 Dec 2022 15:31

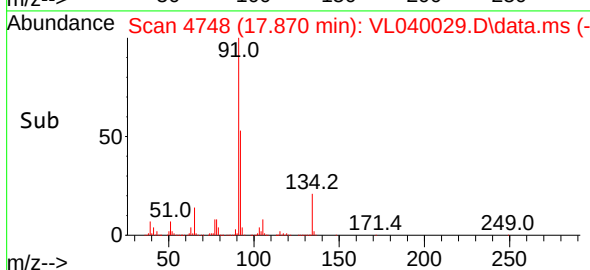
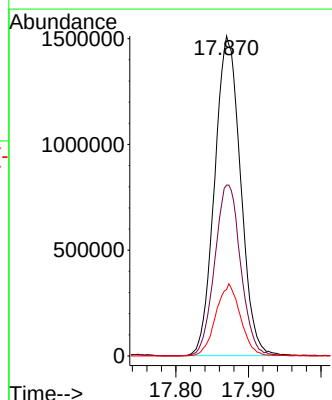
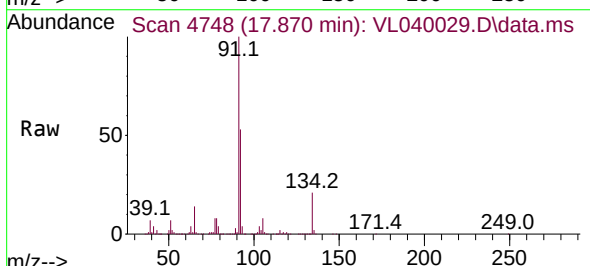
Tgt Ion: 91 Resp: 3746901

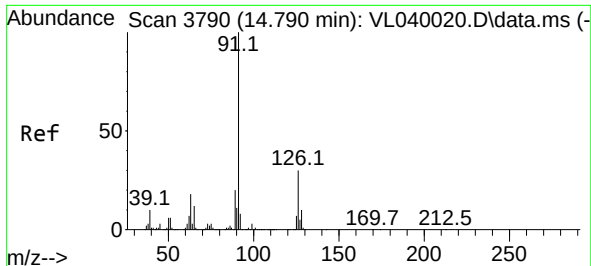
Ion Ratio Lower Upper

91 100

92 53.9 43.2 64.8

134 21.7 17.4 26.2

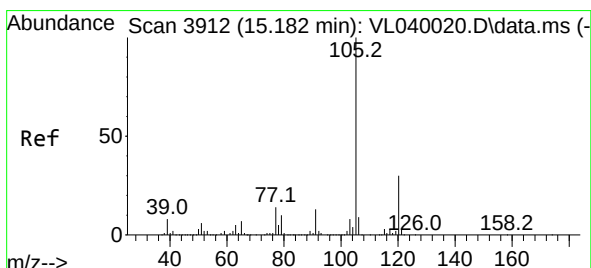
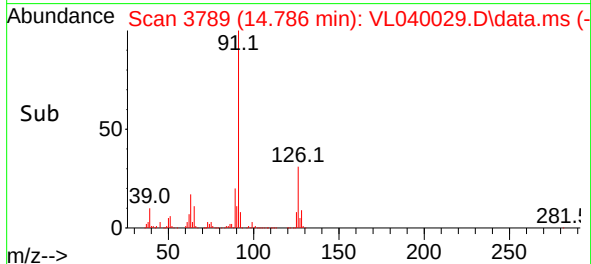
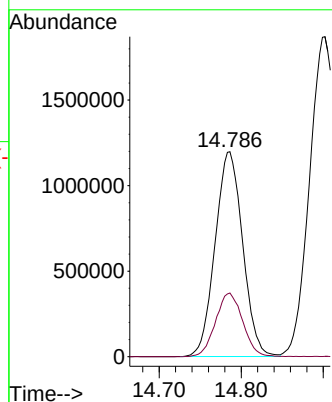
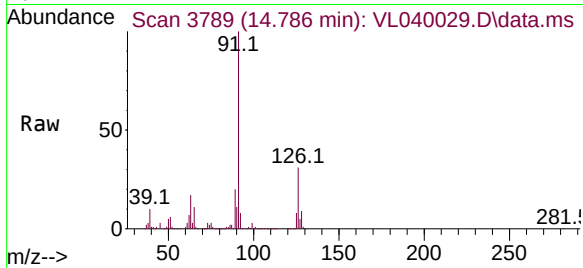




#71
2-Chlorotoluene
Concen: 7.837 ppbv
RT: 14.786 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

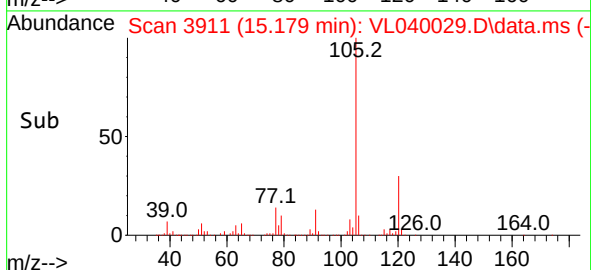
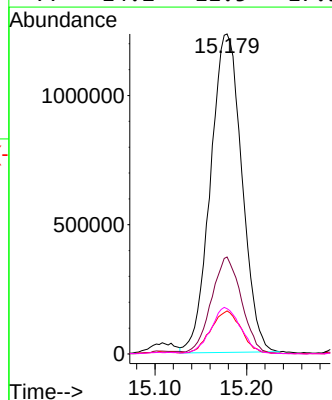
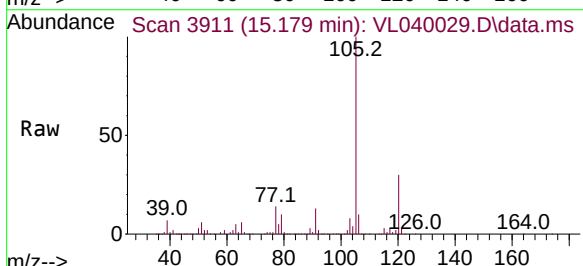
Instrument :
MSVOA_1
ClientSampleId :
VL1219ABS01

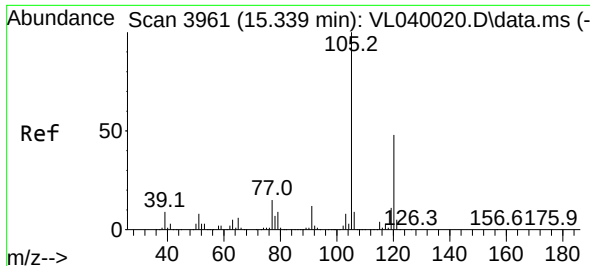
Tgt Ion: 91 Resp: 2799411
Ion Ratio Lower Upper
91 100
126 30.7 12.1 48.5



#72
4-Ethyltoluene
Concen: 8.124 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 105 Resp: 2929456
Ion Ratio Lower Upper
105 100
120 30.3 23.5 35.3
91 13.0 10.5 15.7
77 14.2 11.5 17.3

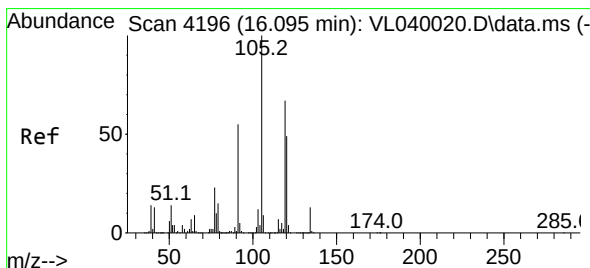
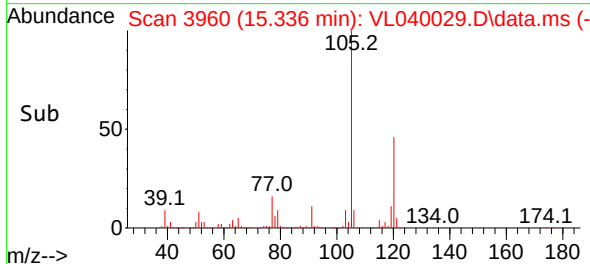
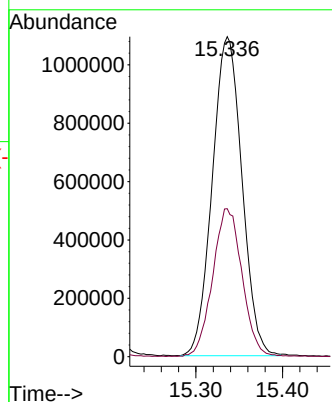
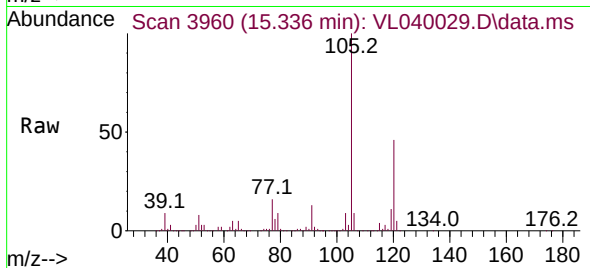




#73
 1,3,5-Trimethylbenzene
 Concen: 8.000 ppbv
 RT: 15.336 min Scan# 3960
 Delta R.T. -0.003 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

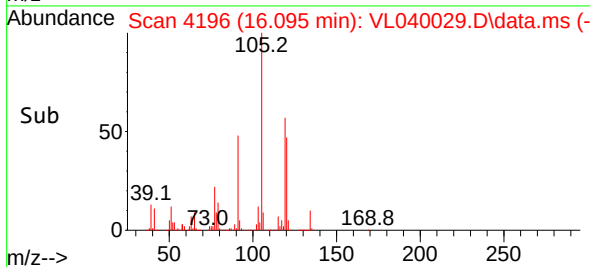
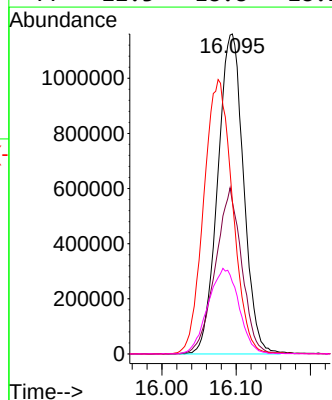
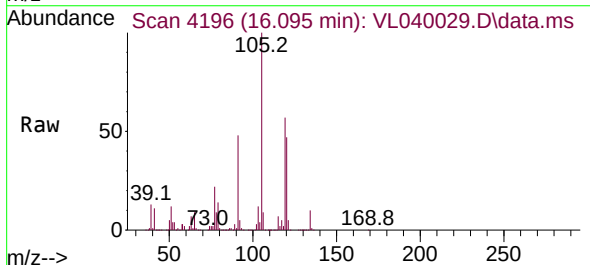
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1219ABS01

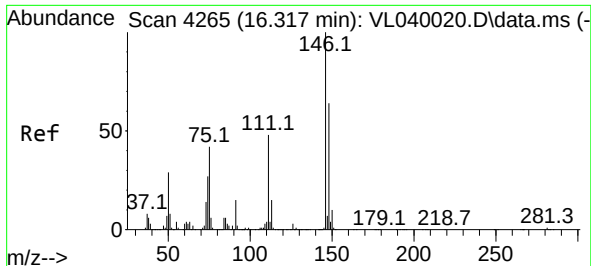
Tgt Ion:105 Resp: 2601561
 Ion Ratio Lower Upper
 105 100
 120 46.2 38.4 57.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.824 ppbv
 RT: 16.095 min Scan# 4196
 Delta R.T. 0.000 min
 Lab File: VL040029.D
 Acq: 19 Dec 2022 15:31

Tgt Ion:105 Resp: 2804729
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.3 58.9
 91 47.5 44.2 66.4
 77 22.3 18.8 28.2

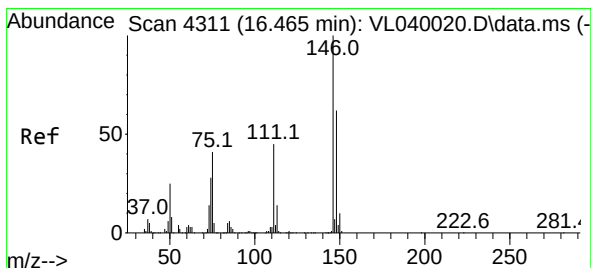
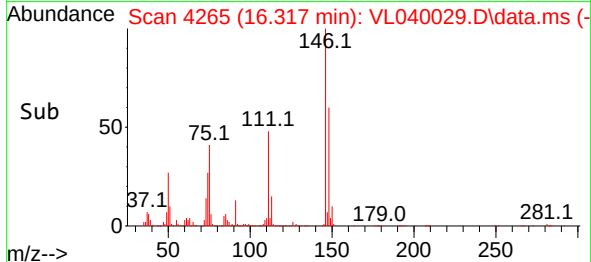
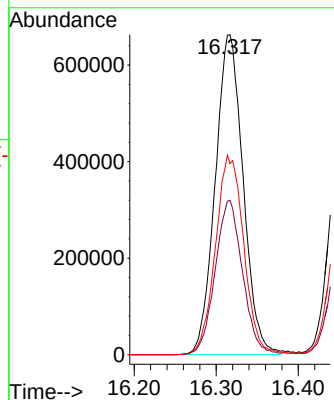
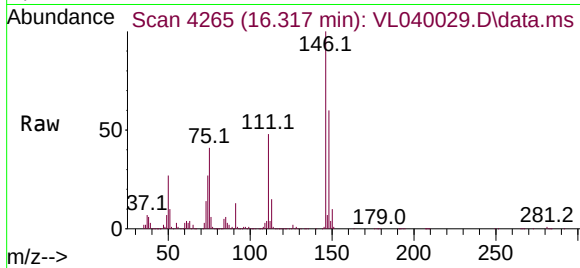




#75
1,3-Dichlorobenzene
Concen: 7.976 ppbv
RT: 16.317 min Scan# 4100
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

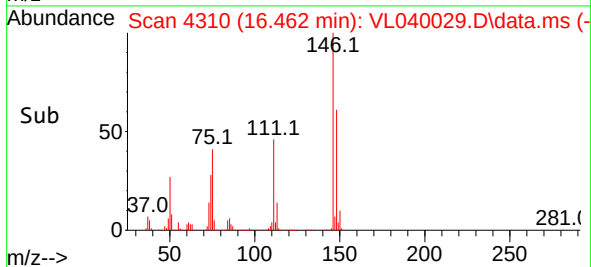
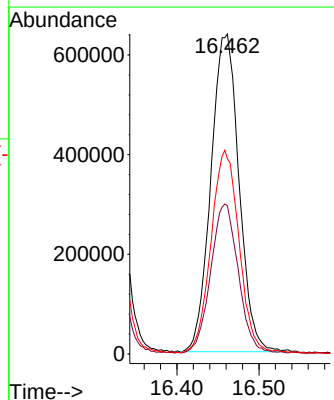
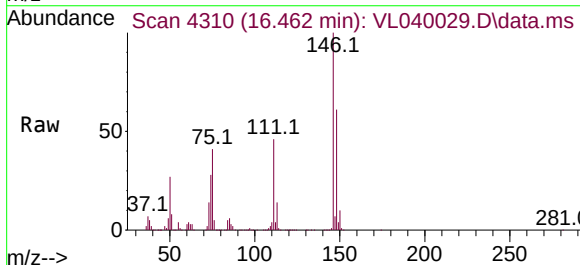
Instrument :
MSVOA_1
ClientSampleId :
VL1219ABS01

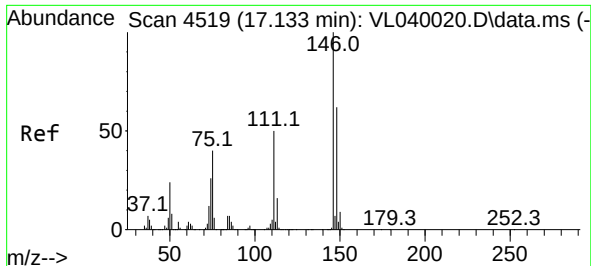
Tgt Ion:146 Resp: 1564478
Ion Ratio Lower Upper
146 100
111 47.7 23.9 71.8
148 63.6 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 7.909 ppbv
RT: 16.462 min Scan# 4310
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion:146 Resp: 1514401
Ion Ratio Lower Upper
146 100
111 46.7 23.4 70.2
148 64.9 32.0 96.2

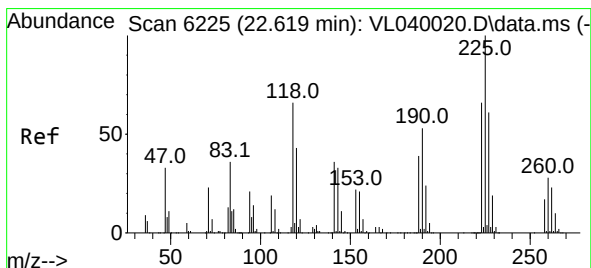
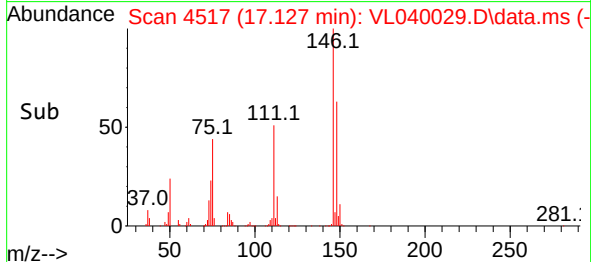
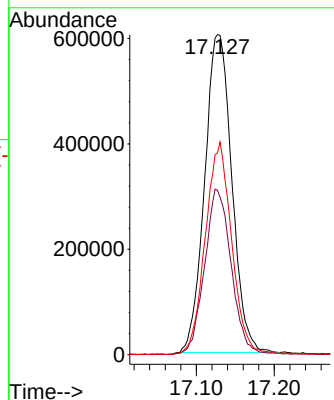
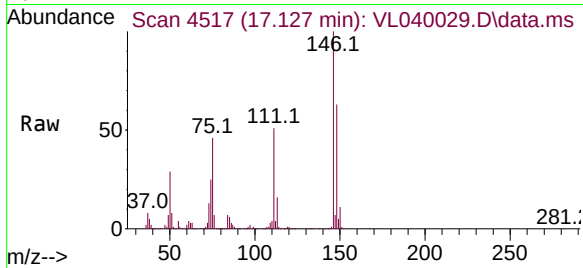




#77
1,2-Dichlorobenzene
Concen: 7.780 ppbv
RT: 17.127 min Scan# 4517
Delta R.T. -0.006 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

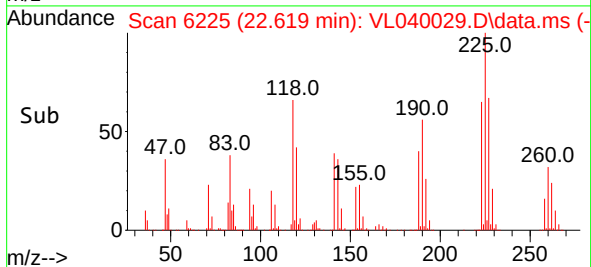
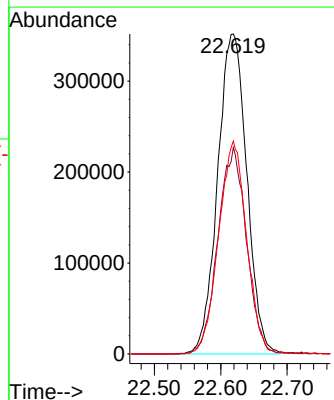
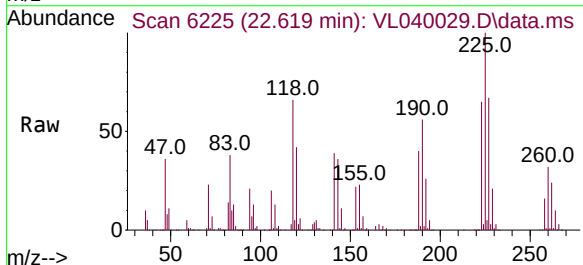
Instrument :
MSVOA_1
ClientSampleId :
VL1219ABS01

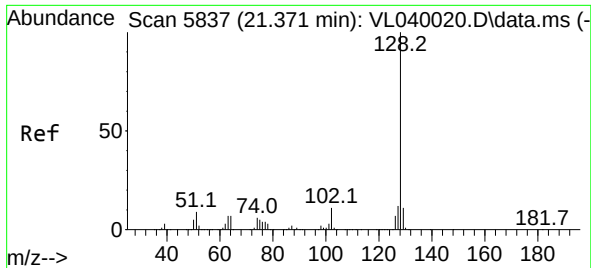
Tgt Ion:146 Resp: 1463393
Ion Ratio Lower Upper
146 100
111 51.2 25.3 75.9
148 65.3 31.9 95.9



#78
Hexachloro-1,3-Butadiene
Concen: 8.236 ppbv
RT: 22.619 min Scan# 6225
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion:225 Resp: 1074758
Ion Ratio Lower Upper
225 100
223 63.3 0.0 0.0#
227 64.3 0.0 0.0#

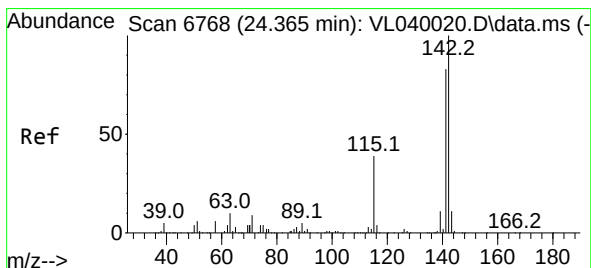
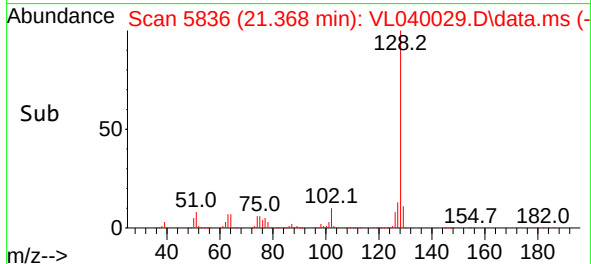
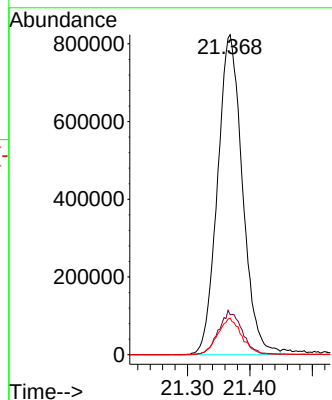
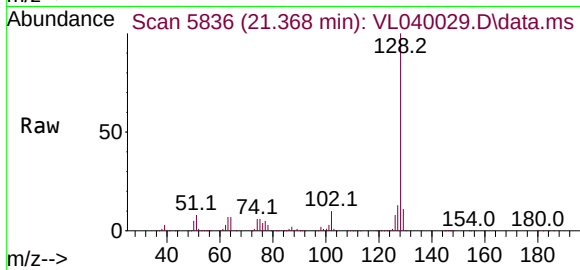




#79
Naphthalene
Concen: 10.701 ppbv
RT: 21.368 min Scan# 5836
Delta R.T. -0.003 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

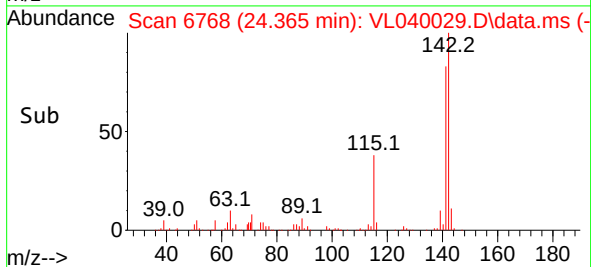
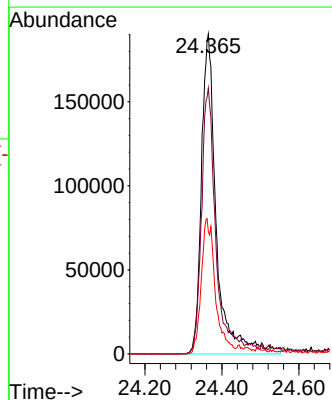
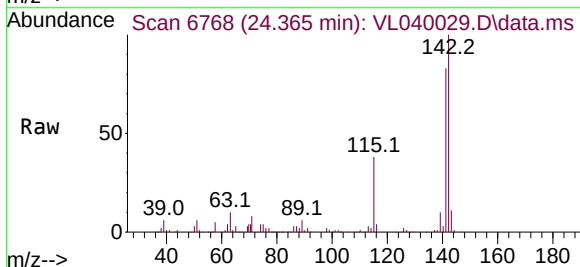
Instrument :
MSVOA_L
ClientSampleId :
VL1219ABS01

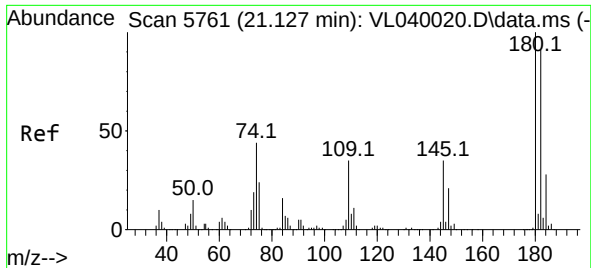
Tgt Ion:128 Resp: 2285492
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.4 8.8 13.2



#80
Naphthalene,2-methyl-
Concen: 7.881 ppbv
RT: 24.365 min Scan# 6768
Delta R.T. 0.000 min
Lab File: VL040029.D
Acq: 19 Dec 2022 15:31

Tgt Ion:142 Resp: 515033
Ion Ratio Lower Upper
142 100
141 81.7 65.3 97.9
115 41.7 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 9.107 ppbv

RT: 21.124 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL040029.D

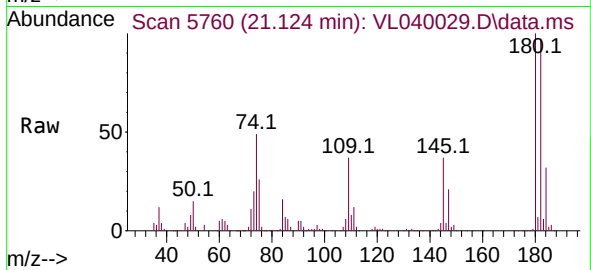
Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1219ABS01



Tgt Ion:180 Resp: 1155418

Ion Ratio Lower Upper

180 100

182 96.9 76.6 115.0

184 30.6 24.9 37.3

