

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040632.D
 Acq On : 15 Aug 2023 12:18
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 04:48:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	998945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2709180	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2375244	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1895251	10.033	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	122104	0.567	ppbv	97
3) Chlorodifluoromethane	2.665	51	88226	0.538	ppbv	99
4) Chloromethane	2.806	50	35473	0.554	ppbv	89
5) Vinyl Chloride	2.912	62	35305	0.520	ppbv	93
6) Bromomethane	3.115	94	17780	0.497	ppbv	87
7) Chloroethane	3.189	64	13822	0.558	ppbv #	77
8) Dichlorotetrafluoroethane	2.848	85	93298	0.536	ppbv	99
9) Propene	2.687	41	27666	0.544	ppbv	95
10) Heptane	7.587	43	48578	0.415	ppbv	91
11) Trichlorofluoromethane	3.555	101	95583	0.550	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	67636	0.531	ppbv	95
13) Ethanol	3.259	45	4947	0.406	ppbv	73
14) Bromoethene	3.359	108	26349	0.503	ppbv #	91
15) Acetone	3.478	43	66473	0.544	ppbv	90
16) 1,3-Butadiene	2.977	39	28740	0.473	ppbv	91
17) tert-Butyl alcohol	3.861	59	586	0.005	ppbv #	72
18) 1,1-Dichloroethene	3.874	96	27413	0.469	ppbv	85
19) Isopropyl Alcohol	3.594	45	25350	0.327	ppbv #	88
20) Methylene Chloride	3.928	84	39694	0.665	ppbv	93
21) Allyl Chloride	3.993	41	40896	0.506	ppbv	93
22) trans-1,2-Dichloroethene	4.446	96	30709	0.535	ppbv	87
23) Vinyl Acetate	4.632	43	61120	0.458	ppbv #	94
24) 1,1-Dichloroethane	4.562	63	64848	0.545	ppbv	100
25) Ethyl Acetate	5.214	43	118844	0.518	ppbv	99
26) Hexane	5.208	57	58631	0.528	ppbv #	92
27) Carbon Disulfide	4.121	76	63793	0.483	ppbv #	92
28) Methyl tert-Butyl Ether	4.594	73	25840	0.301	ppbv #	60
29) Chloroform	5.275	83	91292	0.519	ppbv	94
30) Cyclohexane	6.607	84	31646	0.389	ppbv #	87
31) cis-1,2-Dichloroethene	5.079	61	48506	0.484	ppbv	90
32) 1,1,1-Trichloroethane	6.005	97	88642	0.526	ppbv	100
34) 2-Butanone	4.796	43	60131	0.440	ppbv	93
35) Carbon Tetrachloride	6.497	117	85683	0.504	ppbv	91
36) Benzene	6.375	78	106045	0.492	ppbv #	91
37) 1,2-Dichloroethane	5.809	62	65271	0.502	ppbv	100
38) Trichloroethene	7.298	130	36041	0.430	ppbv	95
39) 1,2-Dichloropropane	7.076	63	39382	0.480	ppbv #	90
40) 1,4-Dioxane	7.295	88	44	0.001	ppbv #	1
41) Tetrahydrofuran	5.584	42	18874	0.245	ppbv #	50
42) Bromodichloromethane	7.253	83	83221	0.460	ppbv #	94
43) Methyl Methacrylate	7.488	69	31743	0.394	ppbv	96
44) 2,2,4-Trimethylpentane	7.333	57	148634	0.427	ppbv	92
45) t-1,3-Dichloropropene	8.713	75	10575	0.166	ppbv	96

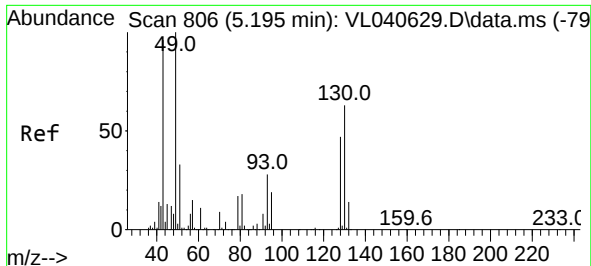
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040632.D
 Acq On : 15 Aug 2023 12:18
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 04:48:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	29509	0.377	ppbv	96
47) 1,1,2-Trichloroethane	8.902	97	20540	0.222	ppbv #	85
48) Dibromochloromethane	9.716	129	59464	0.410	ppbv	94
49) Bromoform	12.417	173	45780	0.395	ppbv	99
50) 4-Methyl-2-Pentanone	8.211	43	76278	0.382	ppbv	100
51) 2-Hexanone	9.571	43	11196	0.080	ppbv #	29
52) Tetrachloroethene	10.626	164	32214	0.477	ppbv	88
53) Toluene	9.227	91	53745	0.235	ppbv #	48
54) 1,2-Dibromoethane	10.018	107	35598	0.320	ppbv	86
56) 1,1,1,2-Tetrachloroethane	11.516	131	52337	0.476	ppbv #	1
57) Chlorobenzene	11.536	112	91716	0.500	ppbv #	94
58) Ethyl Benzene	12.375	91	41344	0.144	ppbv	91
59) m/p-Xylene	12.385	91	91439	0.350	ppbv #	32
60) o-Xylene	13.066	91	54548	0.220	ppbv #	41
61) Styrene	12.912	104	17064	0.157	ppbv #	25
62) Isopropylbenzene	14.040	105	164858	0.440	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	97690	0.520	ppbv	98
64) n-propylbenzene	14.921	120	21824	0.230	ppbv	79
65) tert-Butylbenzene	16.098	119	135191	0.416	ppbv	92
66) Benzyl Chloride	16.343	91	3336	0.082	ppbv #	64
67) sec-Butylbenzene	16.648	105	196696	0.415	ppbv	99
69) p-Isopropyltoluene	17.005	119	73718	0.199	ppbv #	38
70) n-Butylbenzene	17.896	91	82346	0.203	ppbv #	33
71) 2-Chlorotoluene	14.815	91	117408	0.422	ppbv	97
72) 4-Ethyltoluene	15.208	105	104461	0.374	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.362	105	98455	0.395	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	72256	0.248	ppbv	94
75) 1,3-Dichlorobenzene	16.343	146	69406	0.412	ppbv	89
76) 1,4-Dichlorobenzene	16.484	146	68787	0.409	ppbv	91
77) 1,2-Dichlorobenzene	17.153	146	44677	0.270	ppbv #	40
78) Hexachloro-1,3-Butadiene	22.641	225	24352	0.193	ppbv #	1
79) Naphthalene	21.394	128	26678	0.137	ppbv	100
80) Naphthalene,2-methyl-	24.423	142	4826	0.093	ppbv #	82
81) 1,2,4-Trichlorobenzene	21.149	180	18299	0.144	ppbv #	11

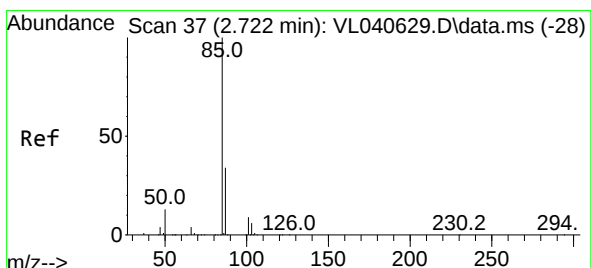
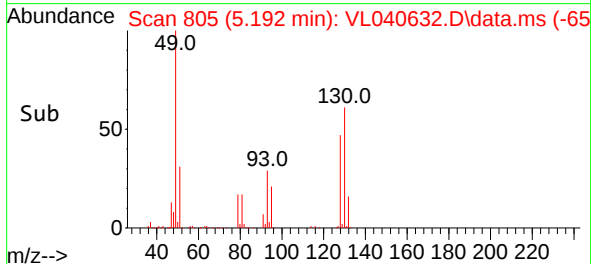
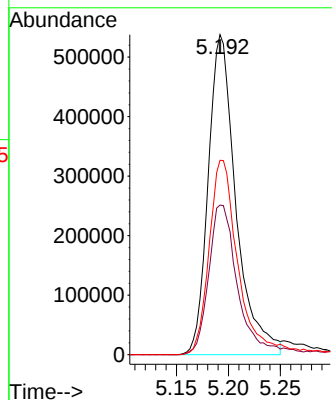
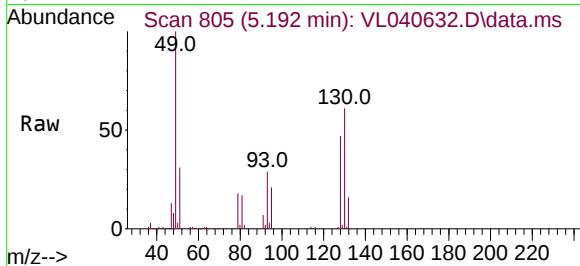
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

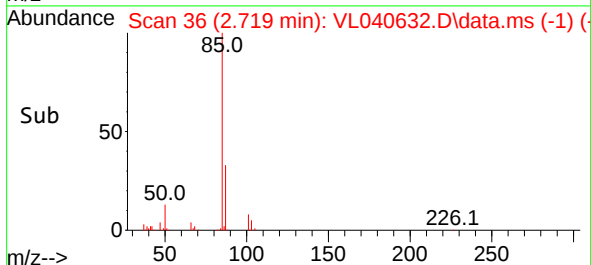
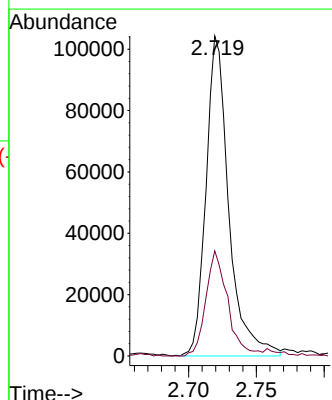
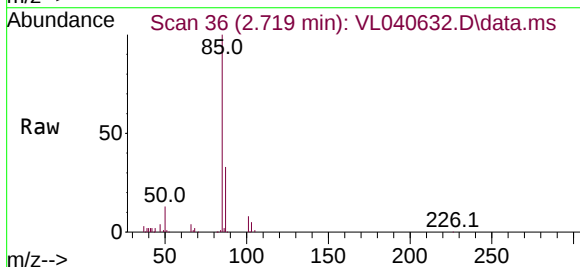
Instrument :
MSVOA_L
ClientSampleId :

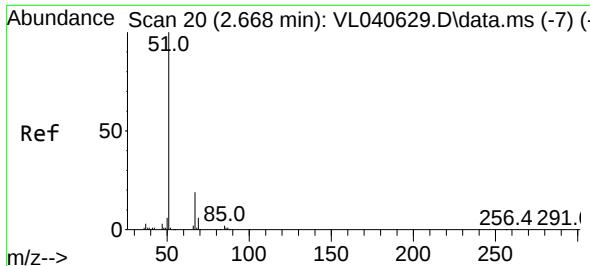
Tgt Ion: 49 Resp: 998945
Ion Ratio Lower Upper
49 100
128 51.0 24.9 74.7
130 65.3 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 0.567 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 85 Resp: 122104
Ion Ratio Lower Upper
85 100
87 32.9 27.5 41.3

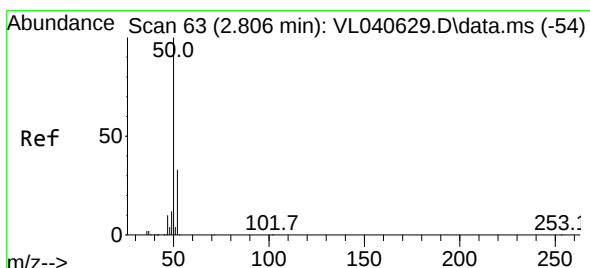
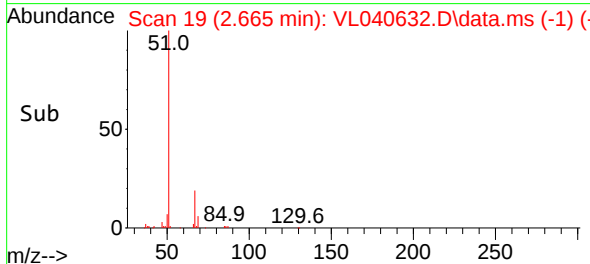
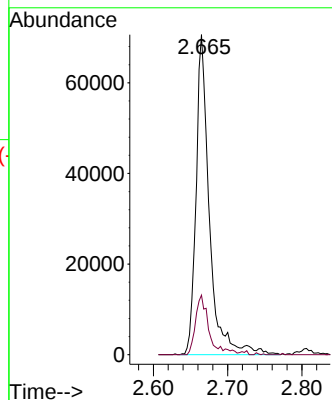
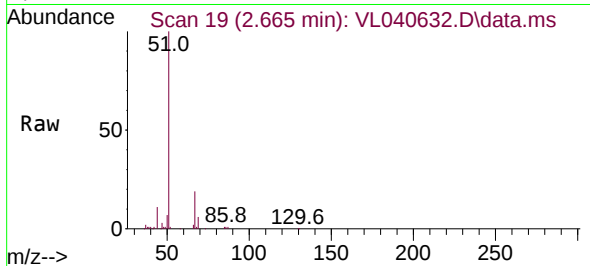




#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

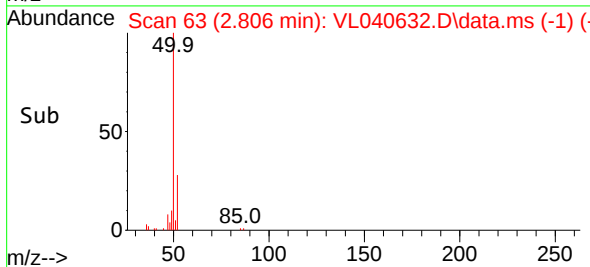
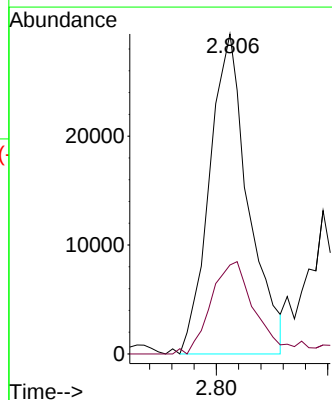
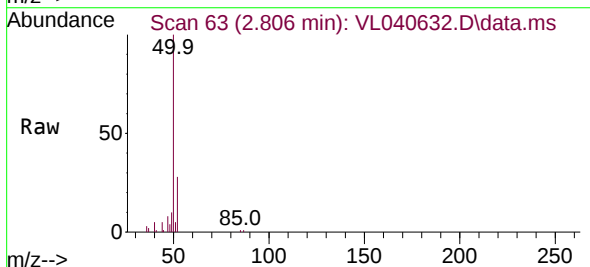
Instrument :
MSVOA_L
ClientSampleId :

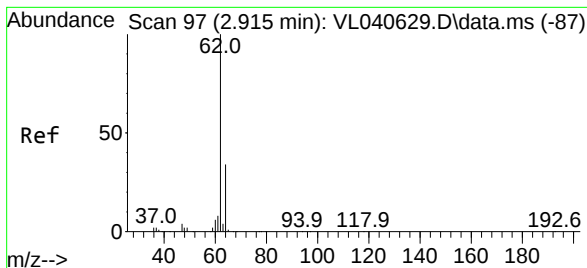
Tgt Ion: 51 Resp: 88226
Ion Ratio Lower Upper
51 100
67 19.5 15.0 22.6



#4
Chloromethane
Concen: 0.554 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 50 Resp: 35473
Ion Ratio Lower Upper
50 100
52 26.4 26.2 39.2

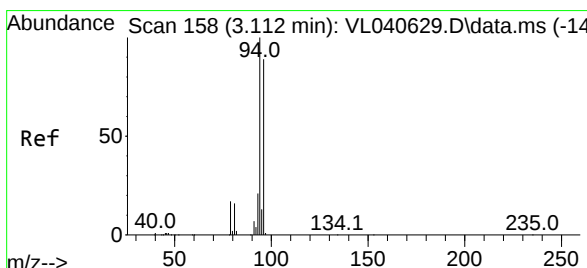
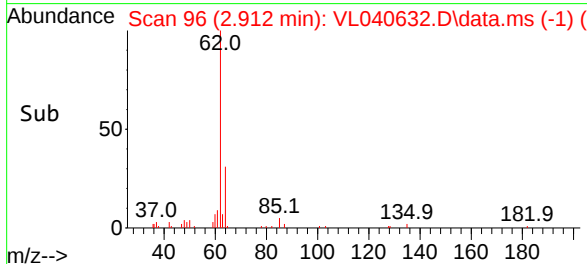
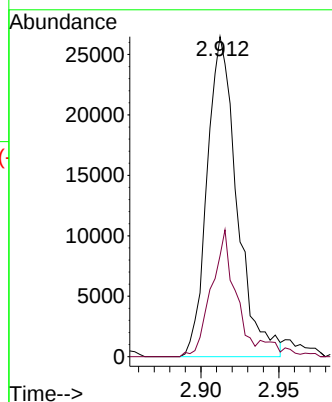
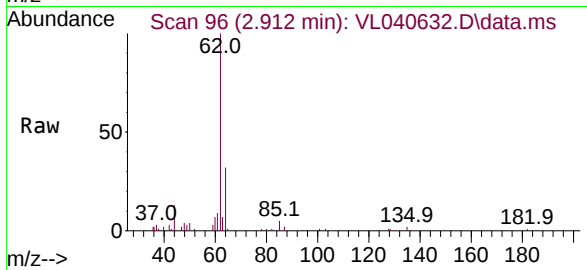




#5
 Vinyl Chloride
 Concen: 0.520 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

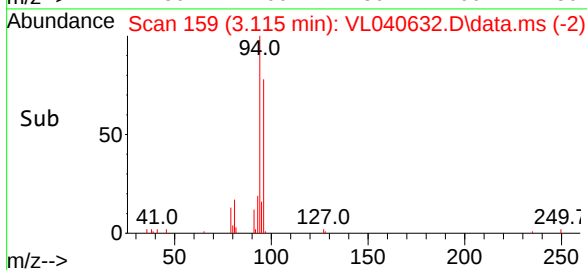
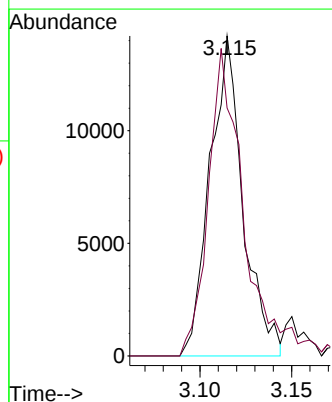
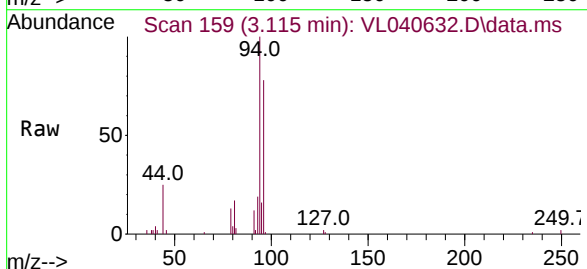
Instrument :
 MSVOA_L
 ClientSampleId :

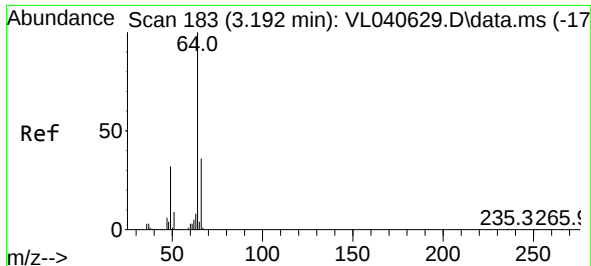
Tgt Ion: 62 Resp: 35305
 Ion Ratio Lower Upper
 62 100
 64 30.1 27.0 40.6



#6
 Bromomethane
 Concen: 0.497 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

Tgt Ion: 94 Resp: 17780
 Ion Ratio Lower Upper
 94 100
 96 77.5 71.5 107.3

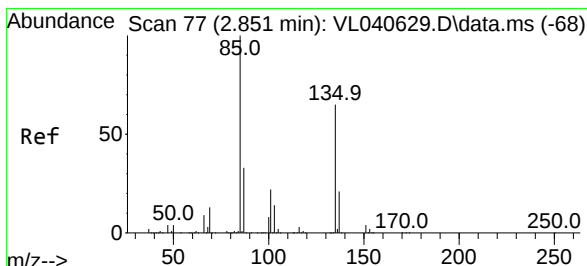
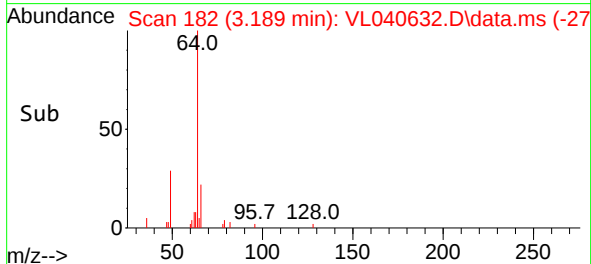
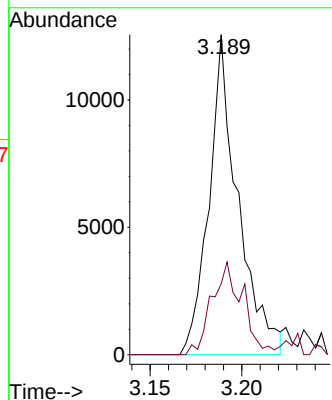
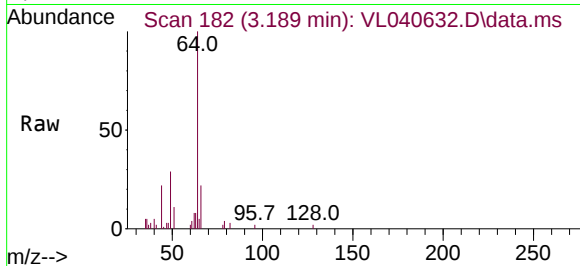




#7
Chloroethane
Concen: 0.558 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

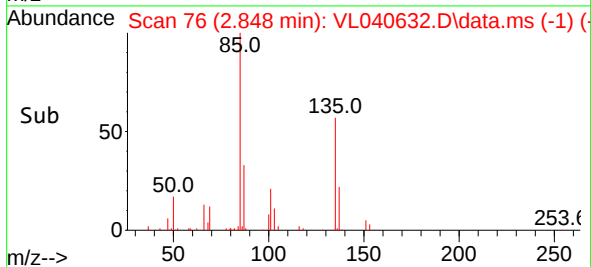
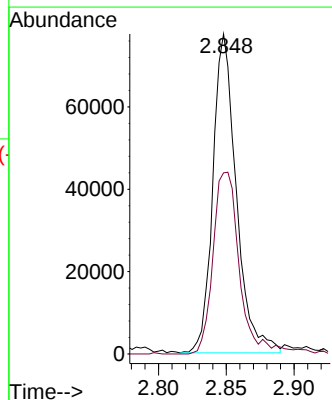
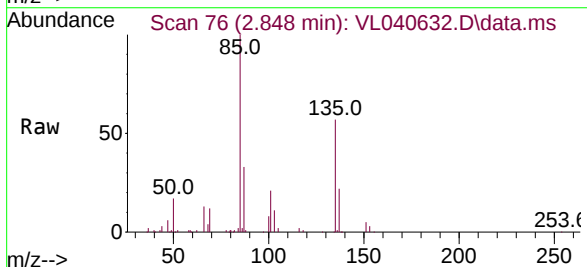
Instrument :
MSVOA_L
ClientSampleId :

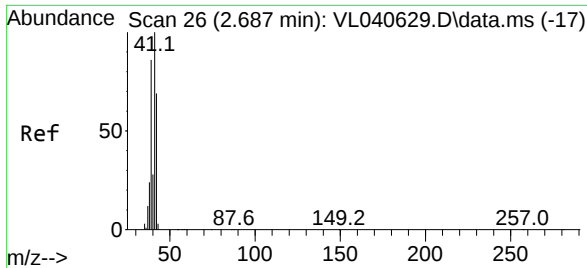
Tgt Ion: 64 Resp: 13822
Ion Ratio Lower Upper
64 100
66 22.2 28.7 43.1#



#8
Dichlorotetrafluoroethane
Concen: 0.536 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 85 Resp: 93298
Ion Ratio Lower Upper
85 100
135 65.3 52.8 79.2

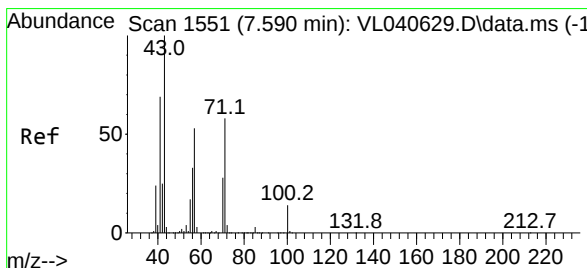
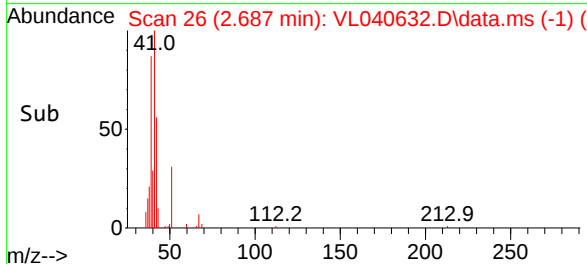
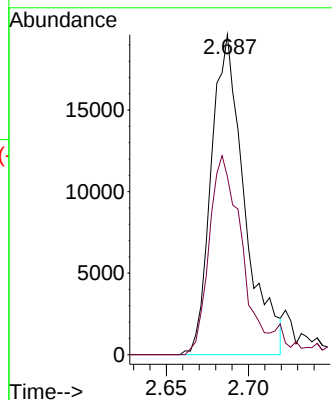
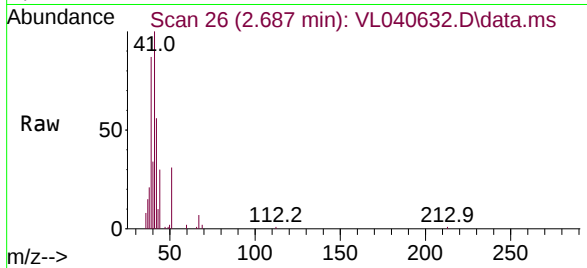




#9
 Propene
 Concen: 0.544 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

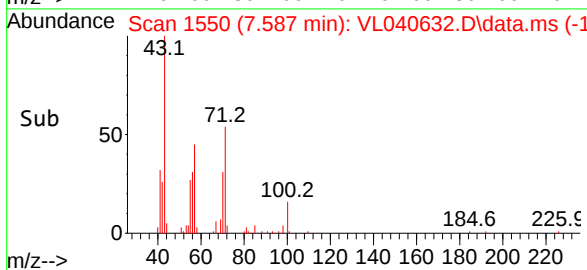
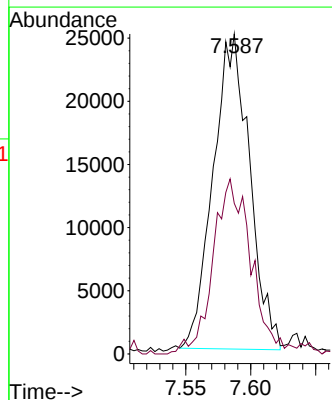
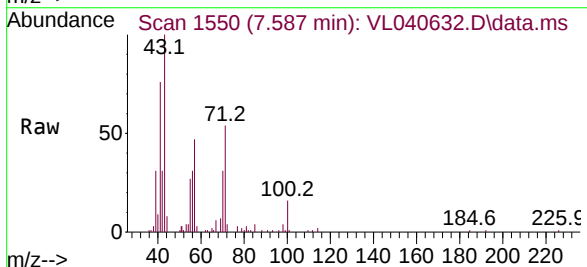
Instrument :
 MSVOA_L
 ClientSampleId :

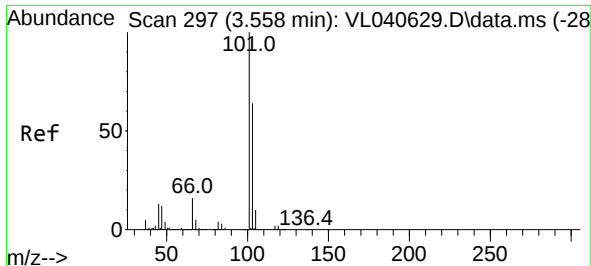
Tgt Ion: 41 Resp: 27666
 Ion Ratio Lower Upper
 41 100
 42 66.5 56.5 84.7



#10
 Heptane
 Concen: 0.415 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

Tgt Ion: 43 Resp: 48578
 Ion Ratio Lower Upper
 43 100
 57 59.5 42.5 63.7

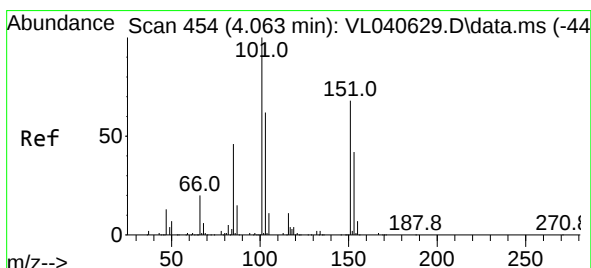
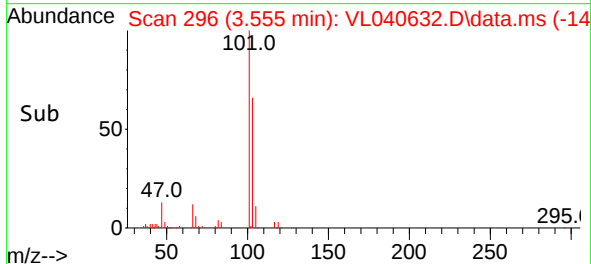
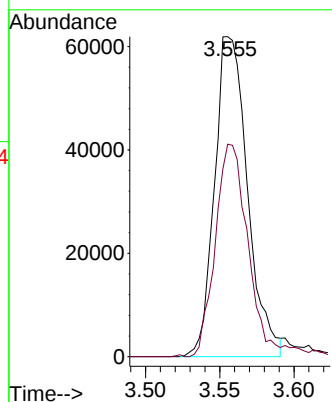
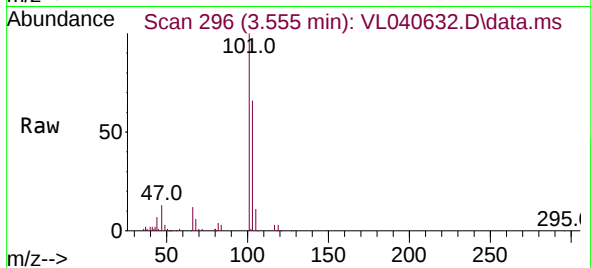




#11
 Trichlorofluoromethane
 Concen: 0.550 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

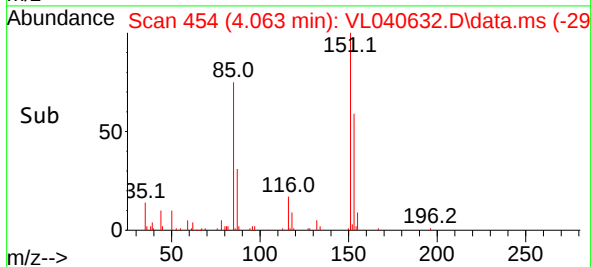
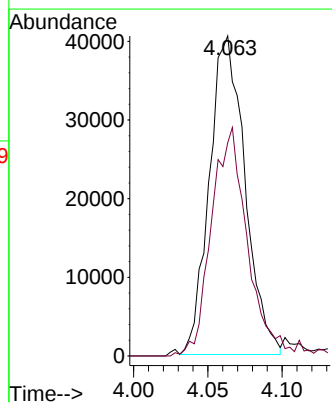
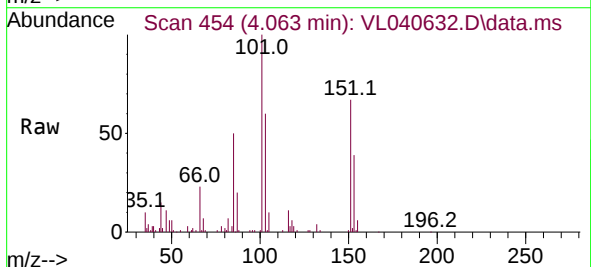
Instrument :
 MSVOA_L
 ClientSampleId :

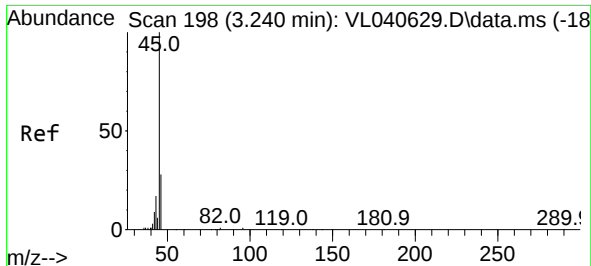
Tgt Ion:101 Resp: 95583
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.531 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.000 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

Tgt Ion:101 Resp: 67636
 Ion Ratio Lower Upper
 101 100
 151 74.2 56.2 84.2

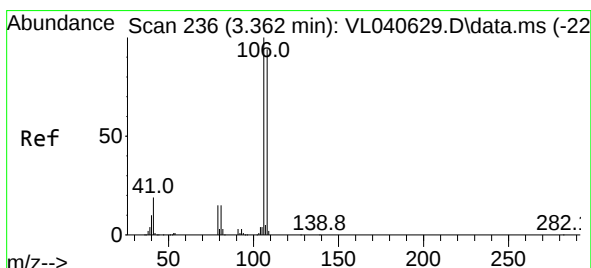
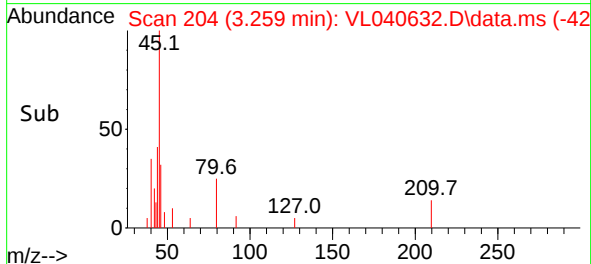
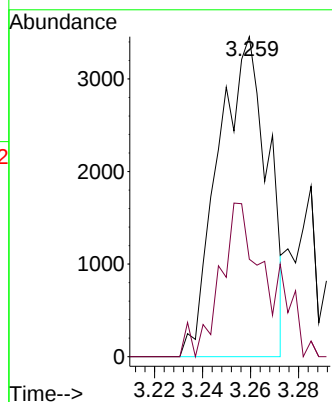
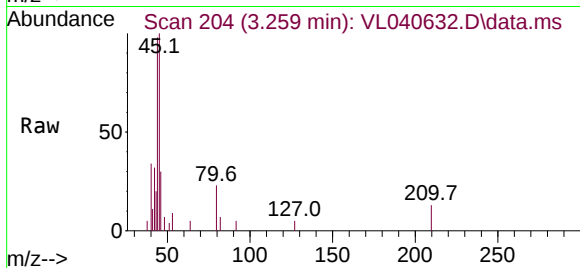




#13
Ethanol
Concen: 0.406 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.019 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

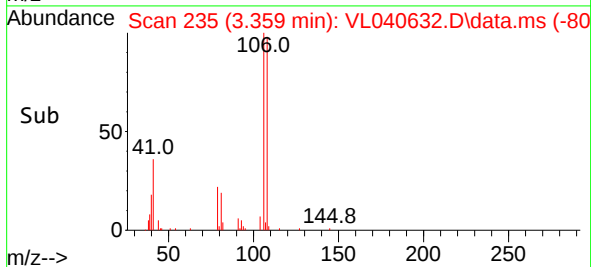
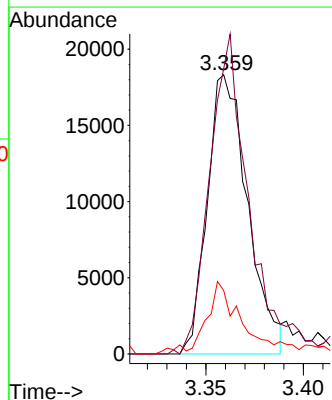
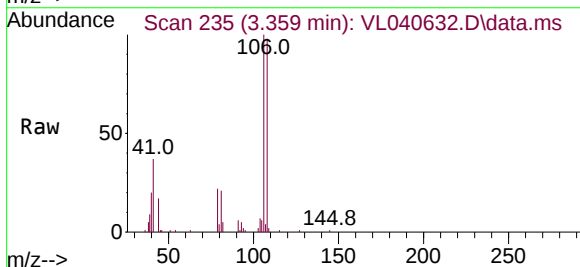
Instrument :
MSVOA_L
ClientSampleId :

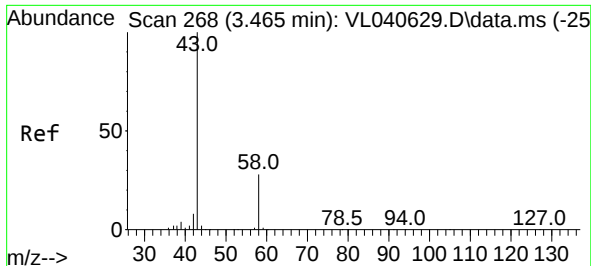
Tgt Ion: 45 Resp: 4947
Ion Ratio Lower Upper
45 100
46 51.1 14.2 56.6



#14
Bromoethene
Concen: 0.503 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 108 Resp: 26349
Ion Ratio Lower Upper
108 100
106 116.5 87.3 130.9
79 26.0 14.4 21.6#

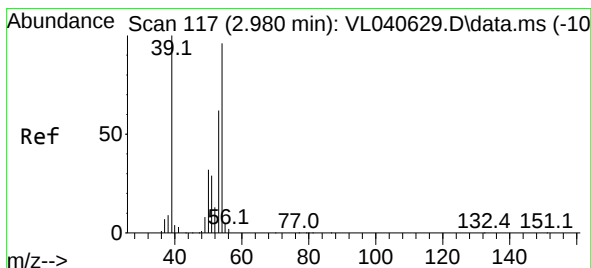
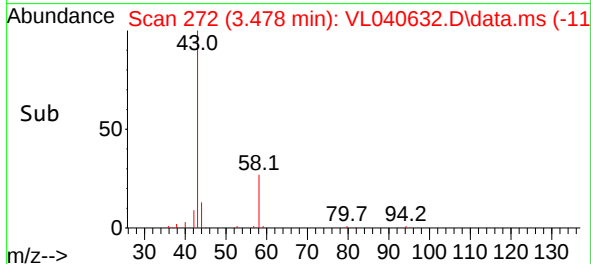
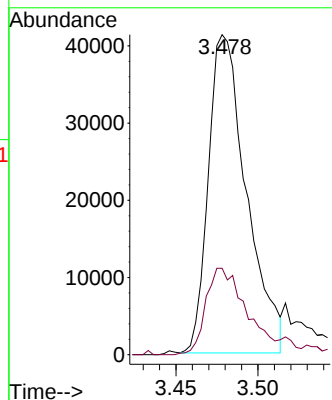
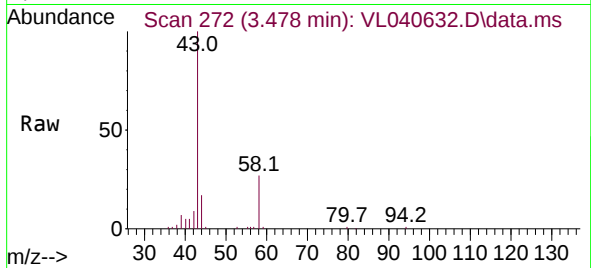




#15
Acetone
Concen: 0.544 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

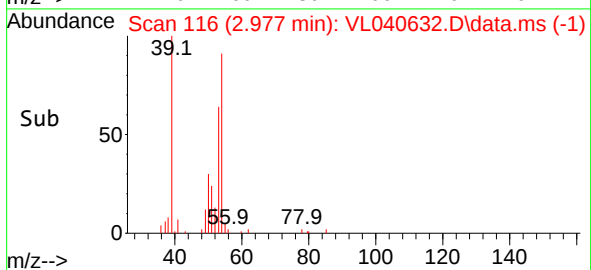
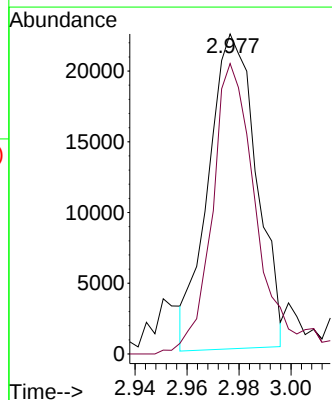
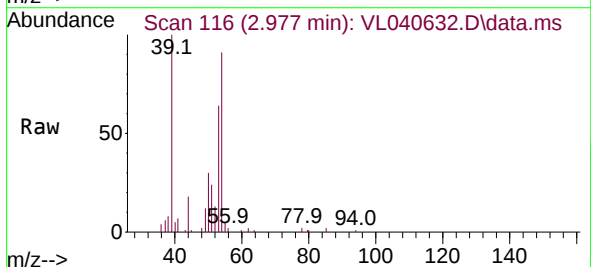
Instrument :
MSVOA_L
ClientSampleId :

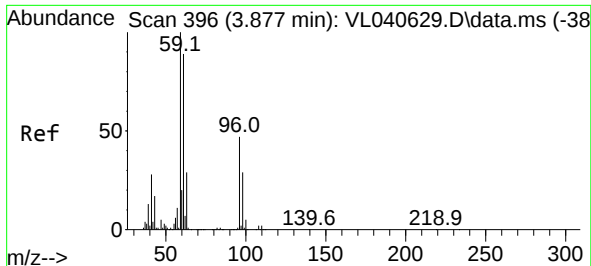
Tgt Ion: 43 Resp: 66473
Ion Ratio Lower Upper
43 100
58 33.4 22.4 33.6



#16
1,3-Butadiene
Concen: 0.473 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 39 Resp: 28740
Ion Ratio Lower Upper
39 100
54 91.1 66.6 99.8





#17

tert-Butyl alcohol

Concen: 0.005 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.016 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

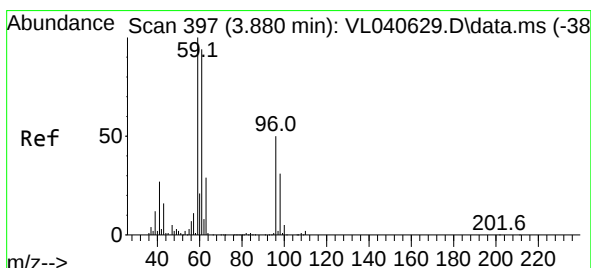
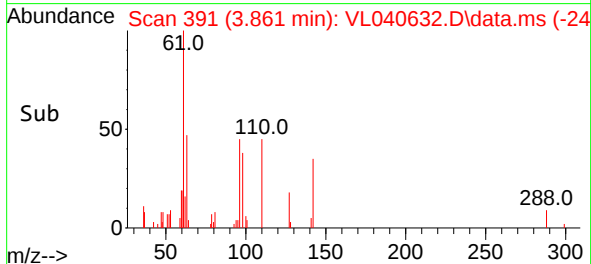
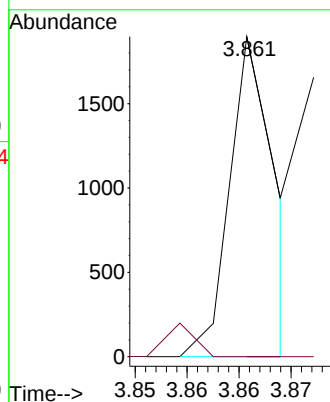
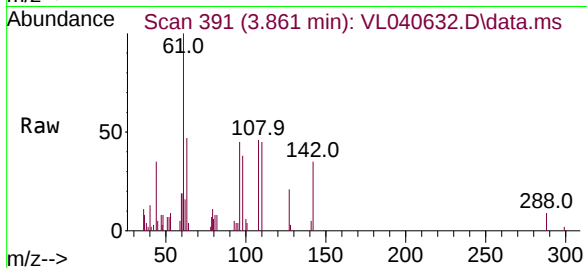
ClientSampleId :

Tgt Ion: 59 Resp: 586

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.469 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.006 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

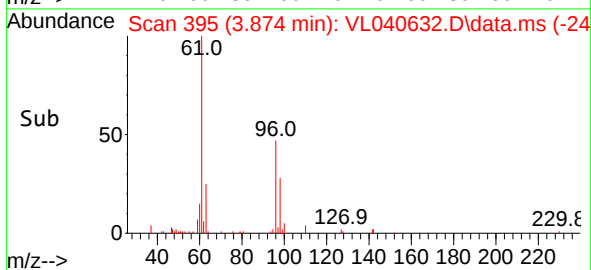
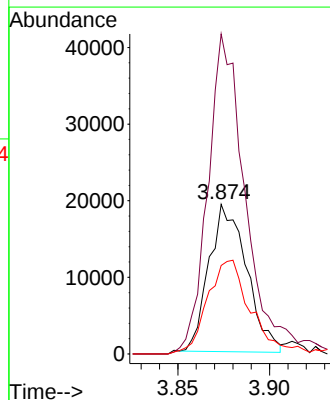
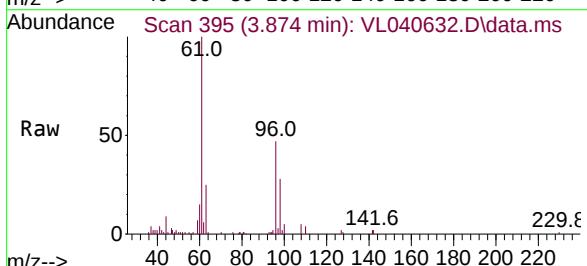
Tgt Ion: 96 Resp: 27413

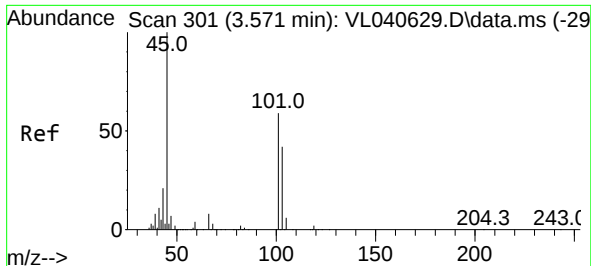
Ion Ratio Lower Upper

96 100

61 213.9 150.4 225.6

98 57.9 49.7 74.5

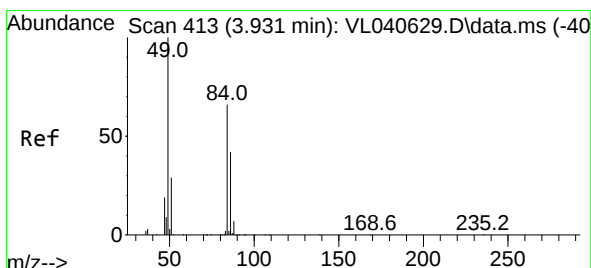
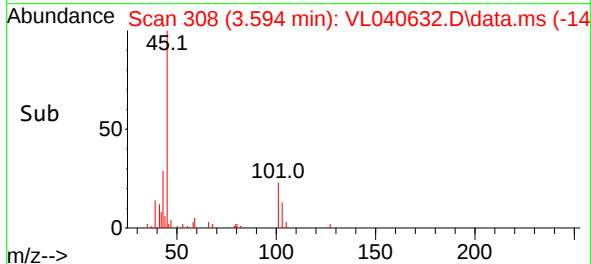
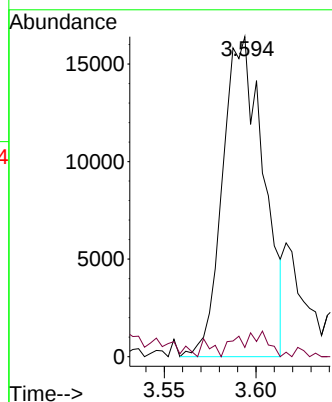
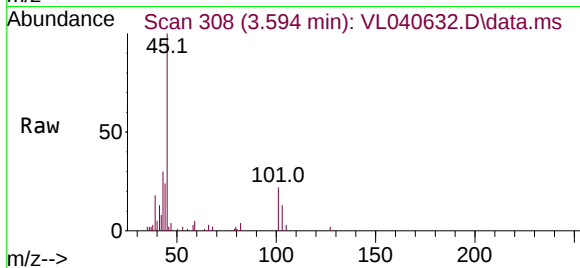




#19
Isopropyl Alcohol
Concen: 0.327 ppbv
RT: 3.594 min Scan# 301
Delta R.T. 0.023 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

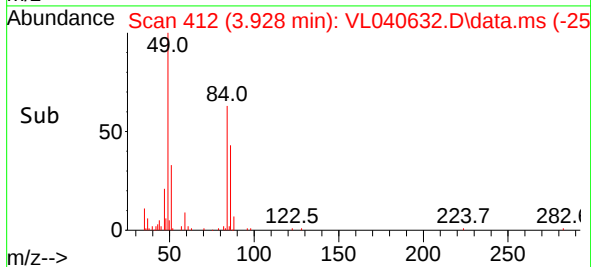
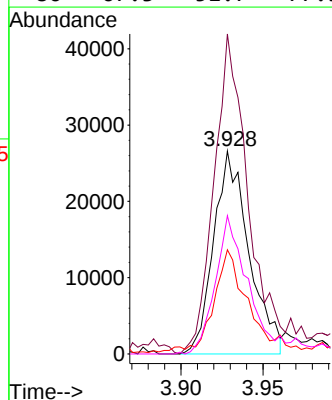
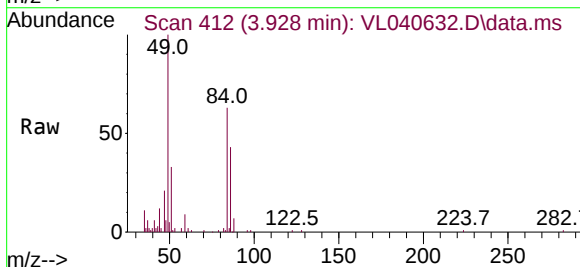
Instrument :
MSVOA_L
ClientSampleId :

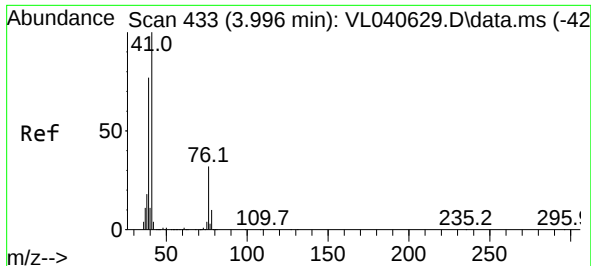
Tgt Ion: 45 Resp: 25350
Ion Ratio Lower Upper
45 100
58 6.5 1.9 2.9#



#20
Methylene Chloride
Concen: 0.665 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 84 Resp: 39694
Ion Ratio Lower Upper
84 100
49 164.2 122.1 183.1
51 47.8 35.4 53.2
86 67.3 51.7 77.5





#21

Allyl Chloride

Concen: 0.506 ppbv

RT: 3.993 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :

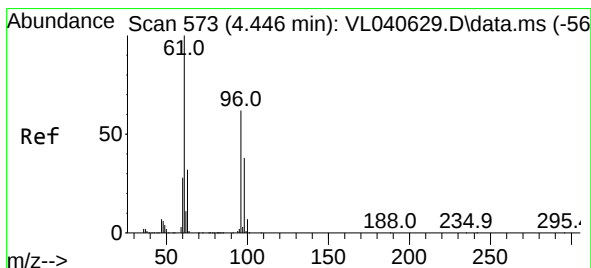
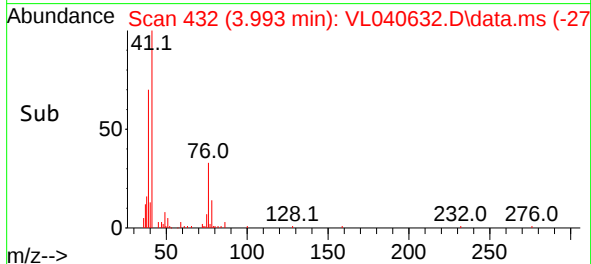
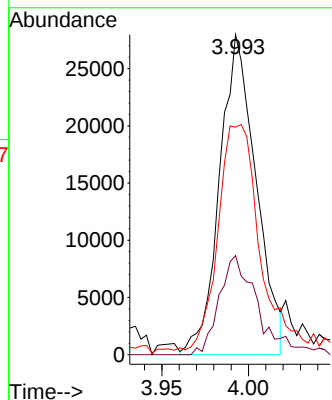
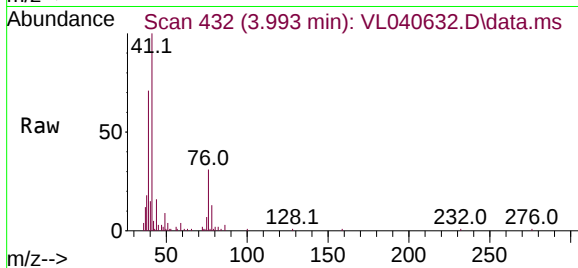
Tgt Ion: 41 Resp: 40896

Ion Ratio Lower Upper

41 100

76 34.4 25.5 38.3

39 84.4 61.8 92.6



#22

trans-1,2-Dichloroethene

Concen: 0.535 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.000 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

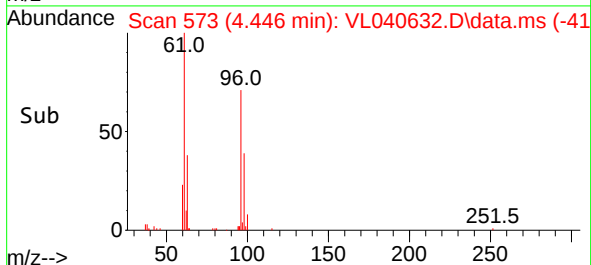
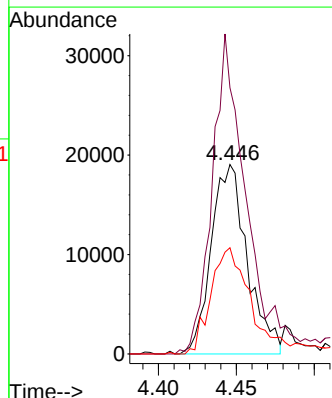
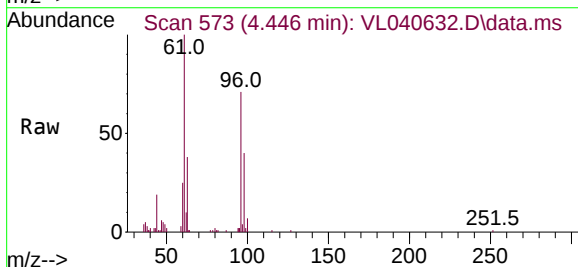
Tgt Ion: 96 Resp: 30709

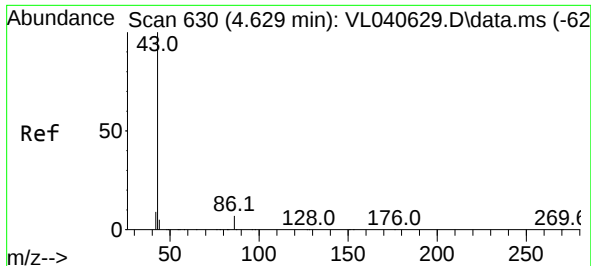
Ion Ratio Lower Upper

96 100

61 138.3 128.1 192.1

98 56.1 48.1 72.1

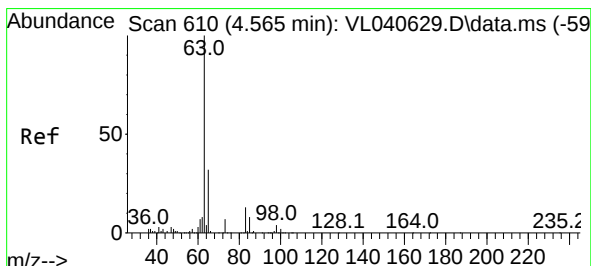
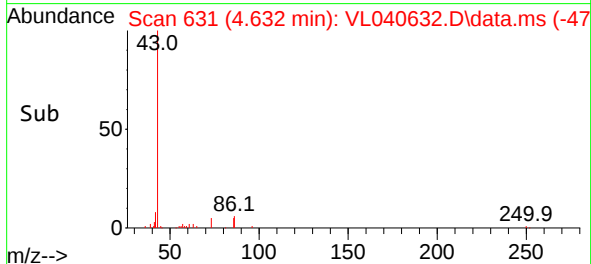
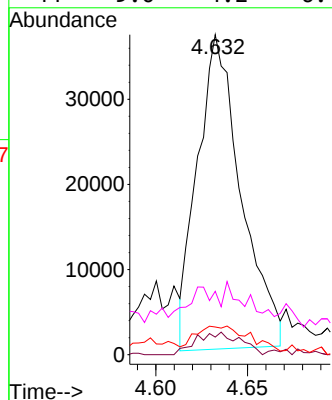
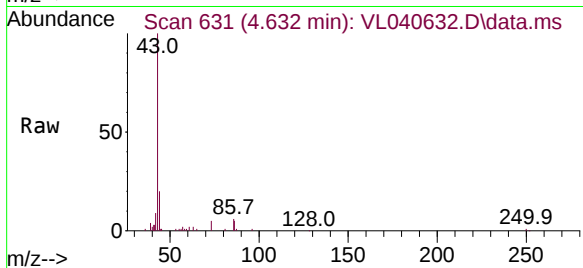




#23
 Vinyl Acetate
 Concen: 0.458 ppbv
 RT: 4.632 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

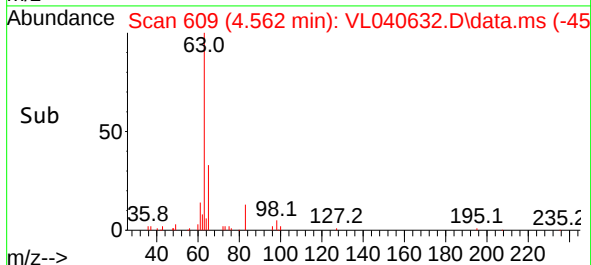
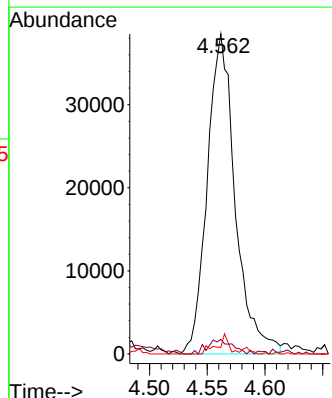
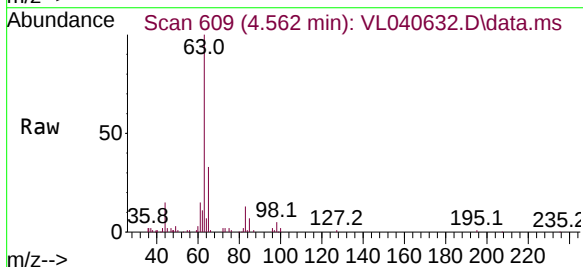
Instrument :
 MSVOA_L
 ClientSampleId :

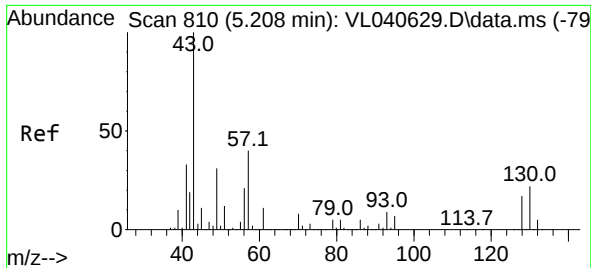
Tgt Ion: 43	Resp: 61120
Ion Ratio	Lower Upper
43 100	
86 5.1	5.0 7.6
42 8.3	7.8 11.8
44 9.0	4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 0.545 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

Tgt Ion: 63	Resp: 64848
Ion Ratio	Lower Upper
63 100	
98 4.0	2.0 6.0
100 2.1	1.1 3.3



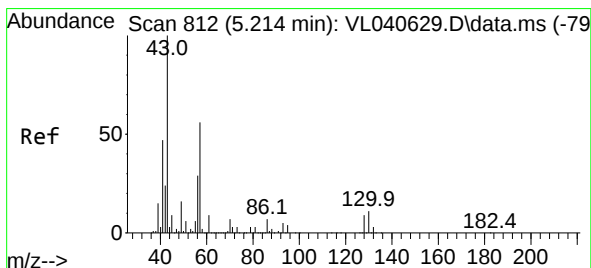
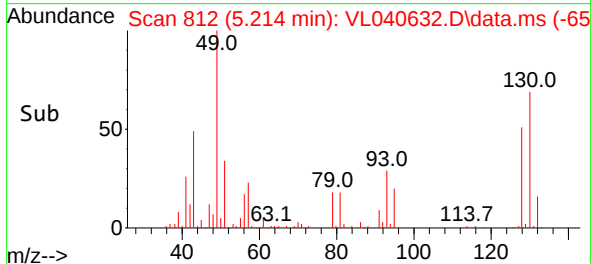
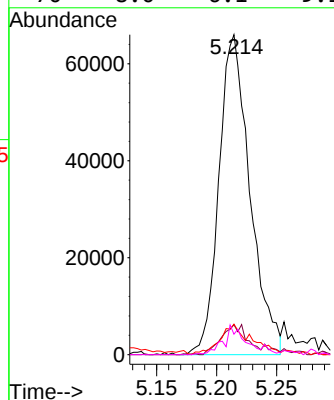
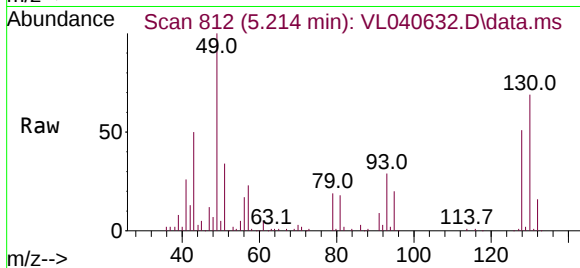


#25
Ethyl Acetate
Concen: 0.518 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 118844

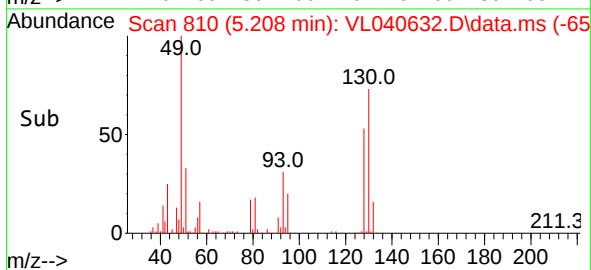
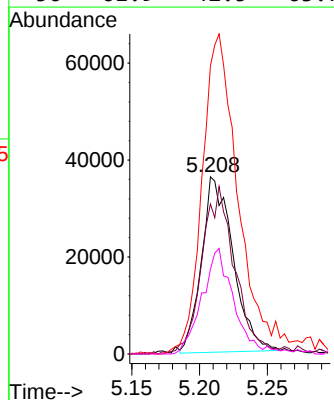
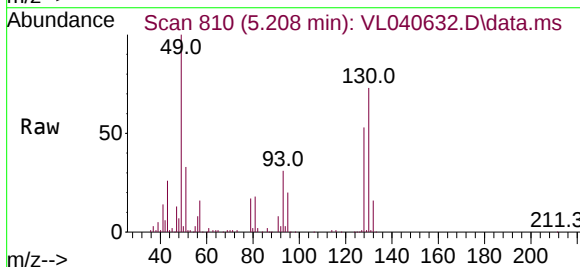
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	10.5	8.3	12.5
70	8.0	6.1	9.1

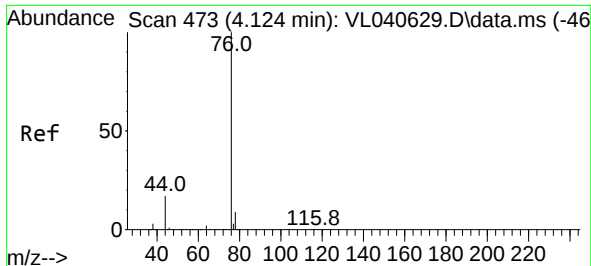


#26
Hexane
Concen: 0.528 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 57 Resp: 58631

Ion	Ratio	Lower	Upper
57	100		
41	104.4	69.3	103.9#
43	218.3	177.9	266.9
56	61.9	42.5	63.7





#27

Carbon Disulfide

Concen: 0.483 ppbv

RT: 4.121 min Scan# 41

Delta R.T. -0.003 min

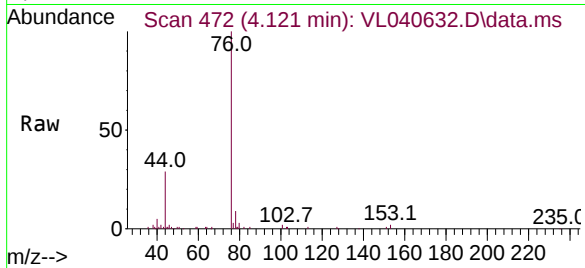
Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :



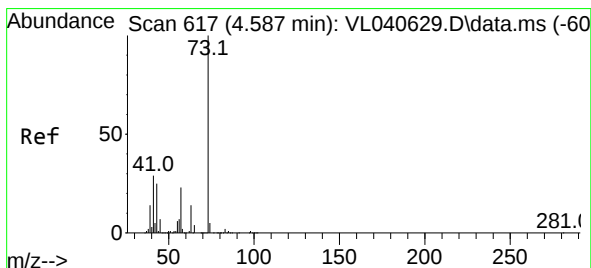
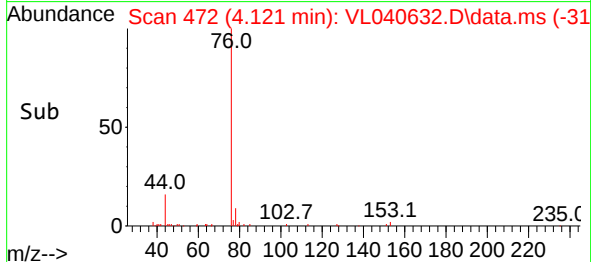
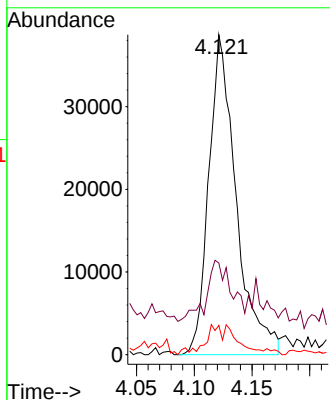
Tgt Ion: 76 Resp: 63793

Ion Ratio Lower Upper

76 100

44 21.5 14.3 21.5#

78 12.3 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 0.301 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.006 min

Lab File: VL040632.D

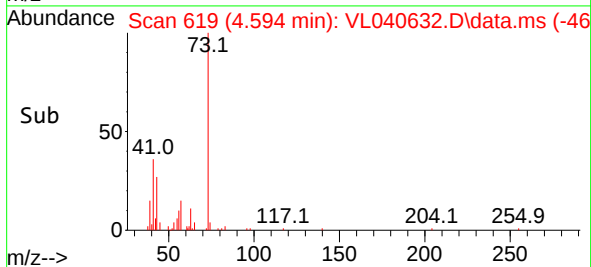
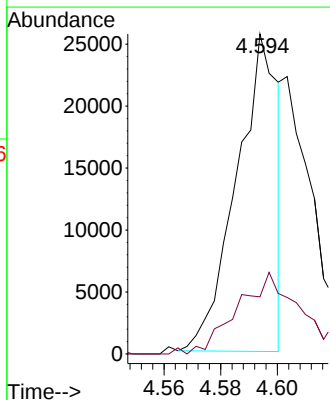
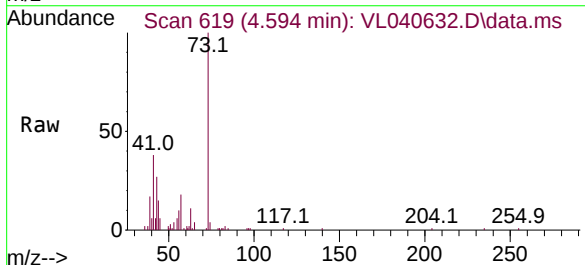
Acq: 15 Aug 2023 12:18

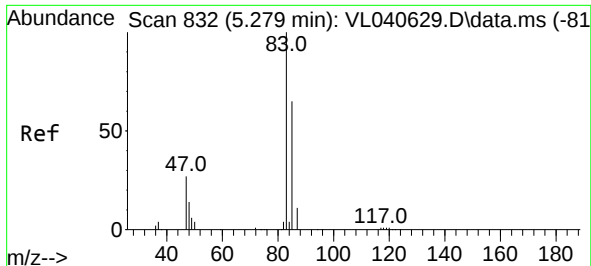
Tgt Ion: 73 Resp: 25840

Ion Ratio Lower Upper

73 100

57 43.2 18.9 28.3#





#29

Chloroform

Concen: 0.519 ppbv

RT: 5.275 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

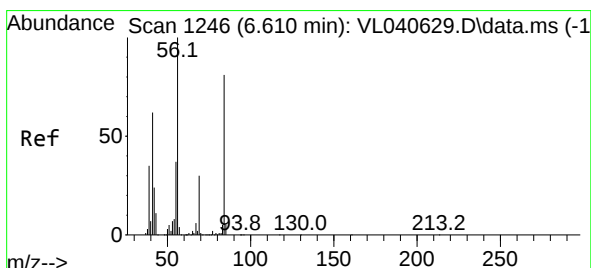
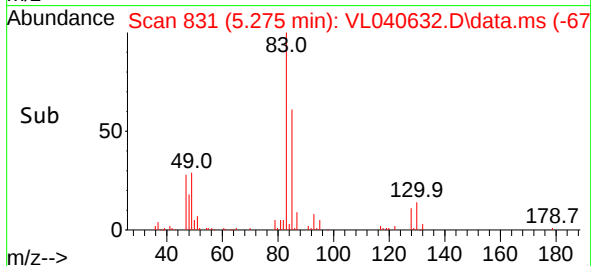
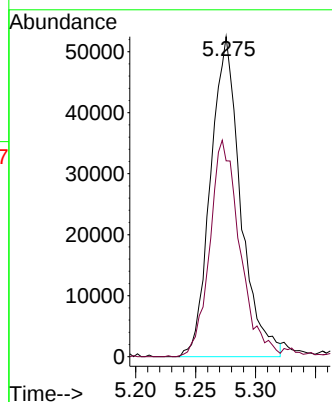
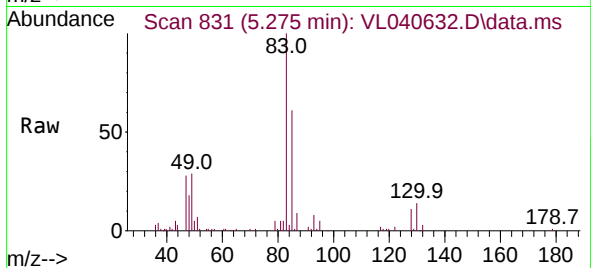
ClientSampleId :

Tgt Ion: 83 Resp: 91292

Ion Ratio Lower Upper

83 100

85 60.8 52.2 78.2



#30

Cyclohexane

Concen: 0.389 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

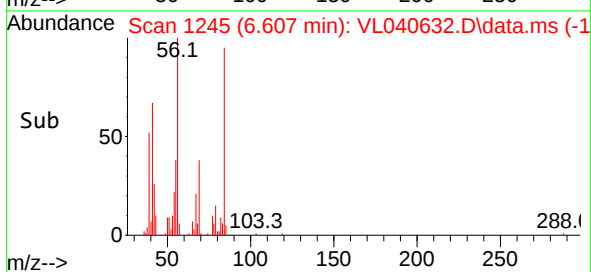
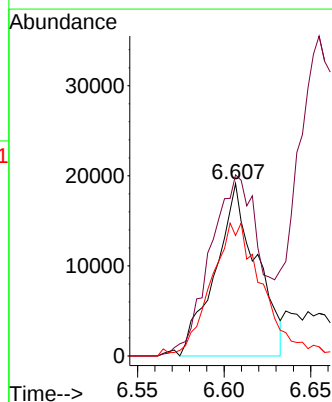
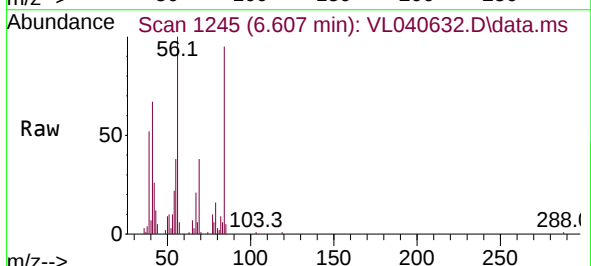
Tgt Ion: 84 Resp: 31646

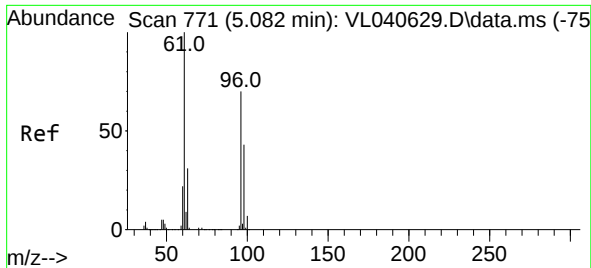
Ion Ratio Lower Upper

84 100

56 121.2 105.4 158.2

41 98.5 64.2 96.2#

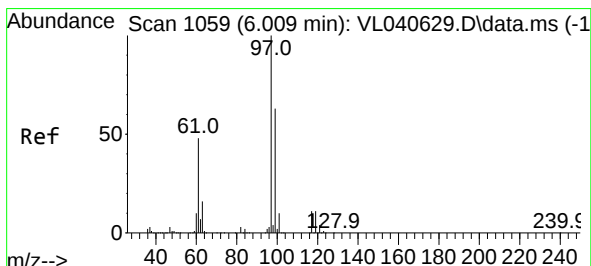
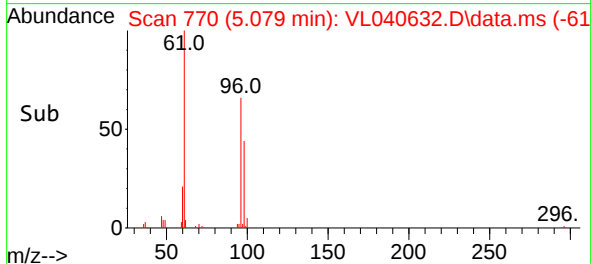
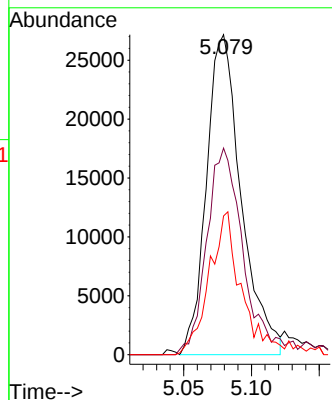
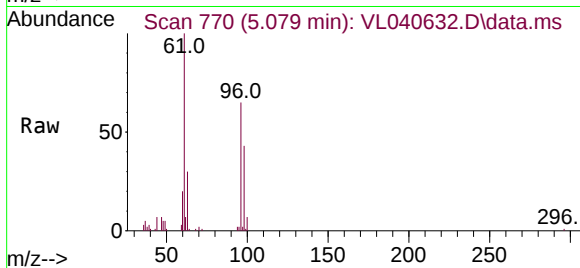




#31
 cis-1,2-Dichloroethene
 Concen: 0.484 ppbv
 RT: 5.079 min Scan# 771
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

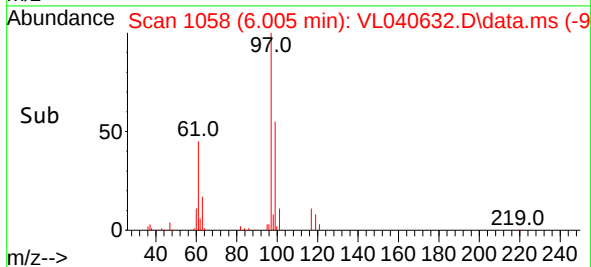
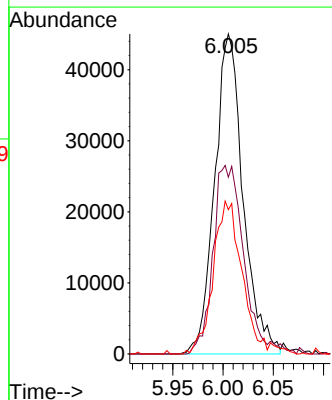
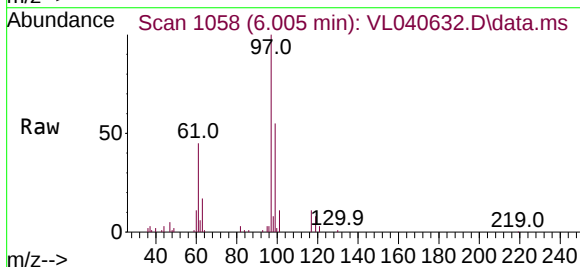
Instrument :
 MSVOA_L
 ClientSampleId :

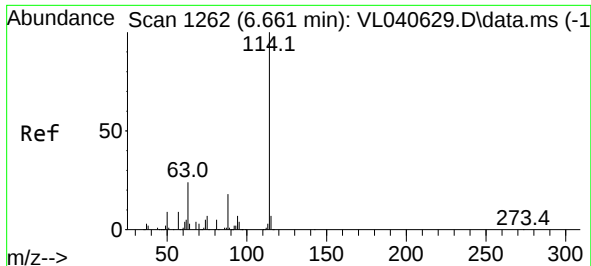
Tgt Ion:	61	Resp:	48506
Ion	Ratio	Lower	Upper
61	100		
96	58.7	55.8	83.6
98	39.9	34.8	52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.526 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

Tgt Ion:	97	Resp:	88642
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	49.2	39.7	59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :

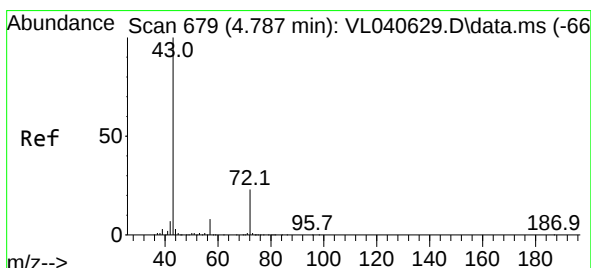
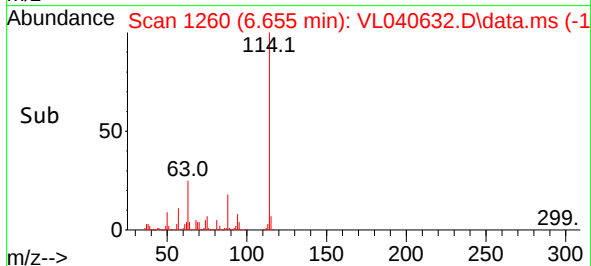
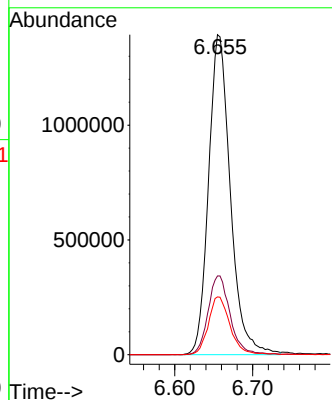
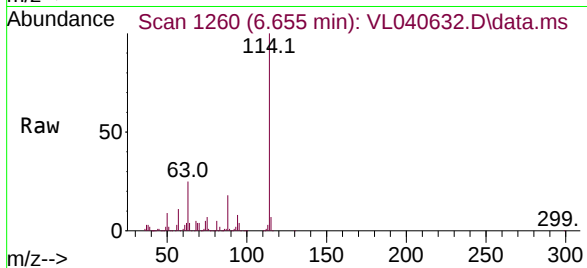
Tgt Ion:114 Resp: 2709180

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.2

88 18.1 14.1 21.1



#34

2-Butanone

Concen: 0.440 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.010 min

Lab File: VL040632.D

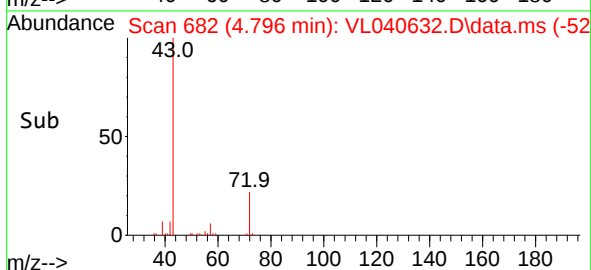
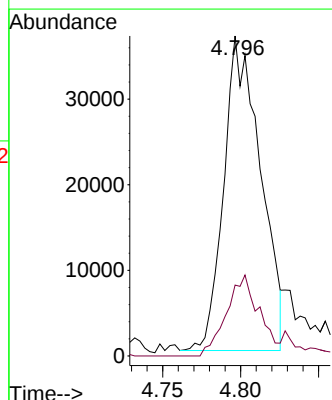
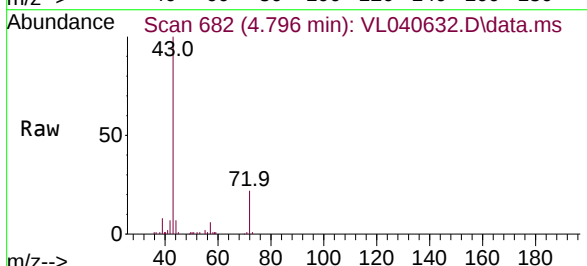
Acq: 15 Aug 2023 12:18

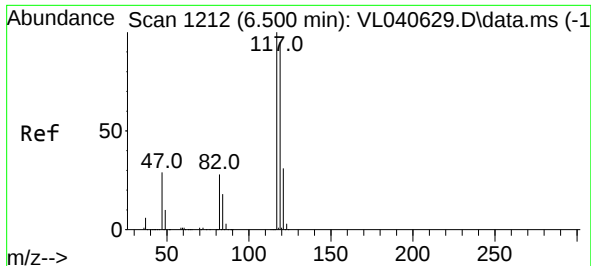
Tgt Ion: 43 Resp: 60131

Ion Ratio Lower Upper

43 100

72 27.6 19.2 28.8

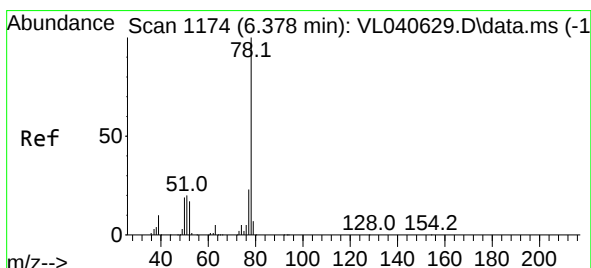
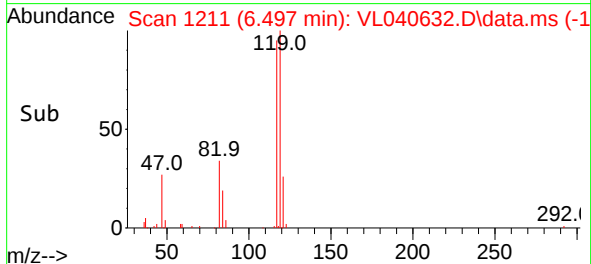
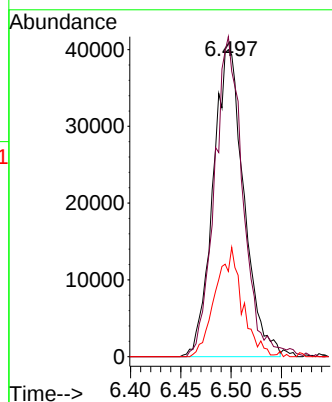
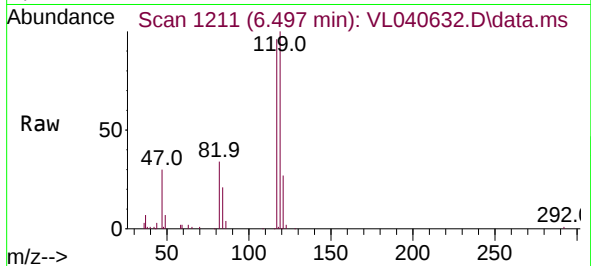




#35
Carbon Tetrachloride
Concen: 0.504 ppbv
RT: 6.497 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

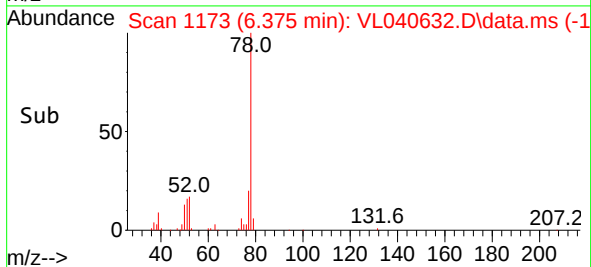
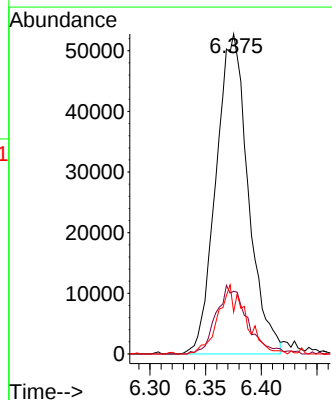
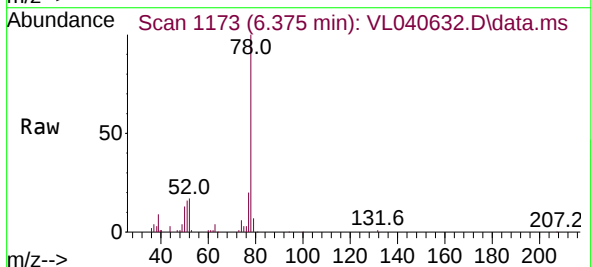
Instrument :
MSVOA_L
ClientSampleId :

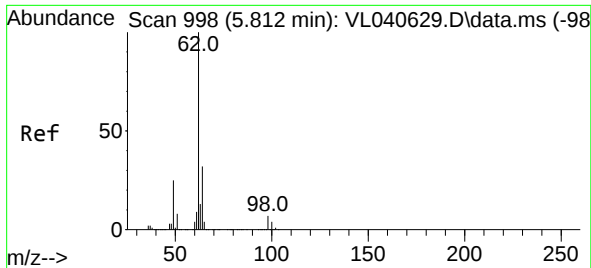
Tgt Ion:117 Resp: 85683
Ion Ratio Lower Upper
117 100
119 104.2 75.6 113.4
121 27.8 24.9 37.3



#36
Benzene
Concen: 0.492 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 78 Resp: 106045
Ion Ratio Lower Upper
78 100
77 19.6 18.2 27.2
50 13.1 15.0 22.6#

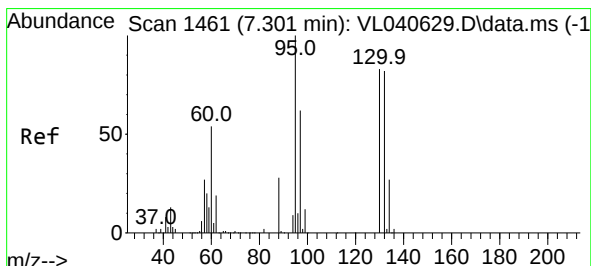
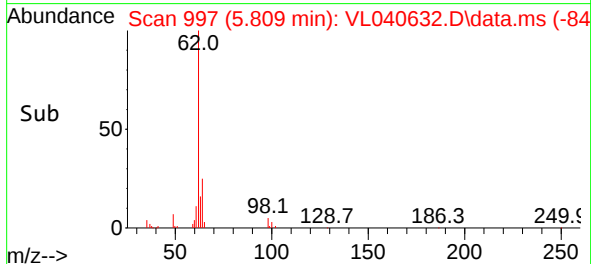
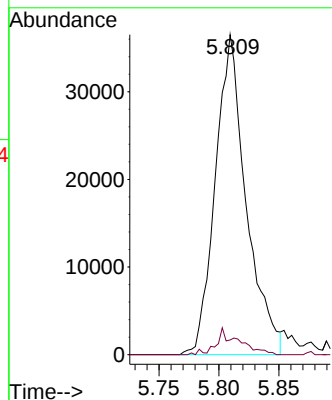
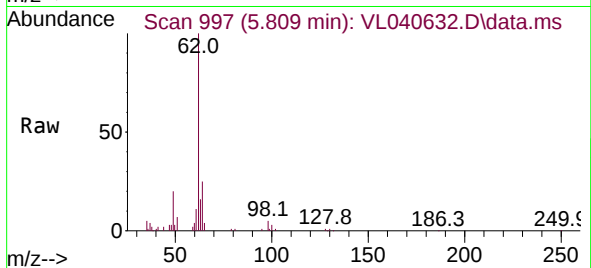




#37
1,2-Dichloroethane
Concen: 0.502 ppbv
RT: 5.809 min Scan# 998
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

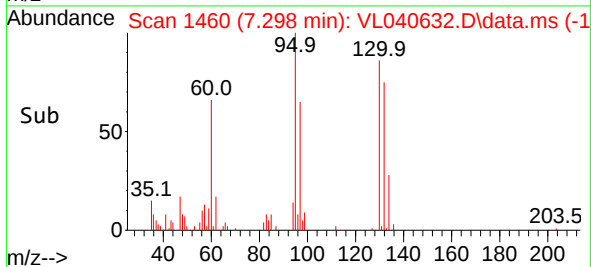
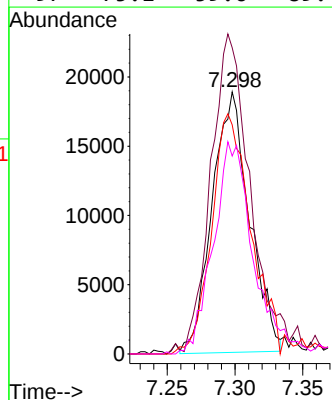
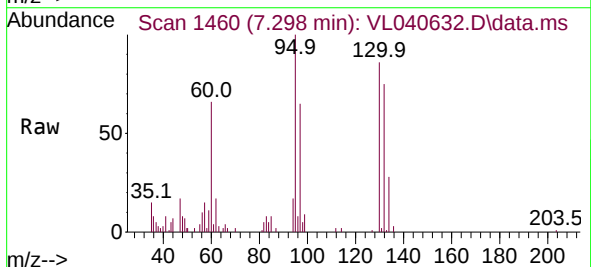
Instrument :
MSVOA_L
ClientSampleId :

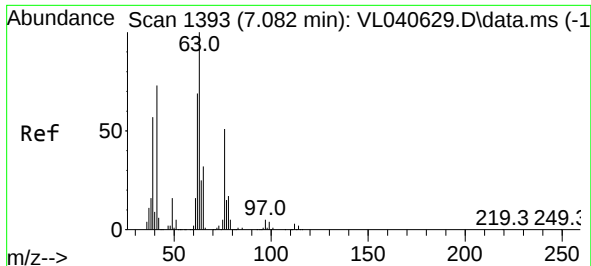
Tgt Ion: 62 Resp: 65271
Ion Ratio Lower Upper
62 100
98 6.1 4.9 7.3



#38
Trichloroethene
Concen: 0.430 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 130 Resp: 36041
Ion Ratio Lower Upper
130 100
95 116.6 95.9 143.9
132 88.5 79.0 118.4
97 75.1 59.6 89.4





#39

1,2-Dichloropropane

Concen: 0.480 ppbv

RT: 7.076 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :

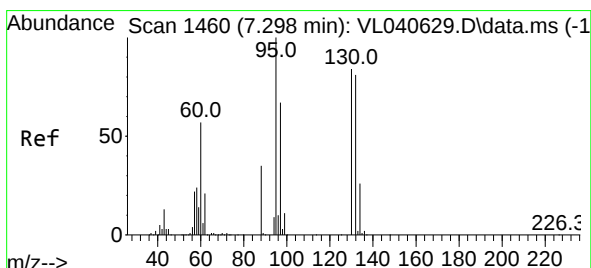
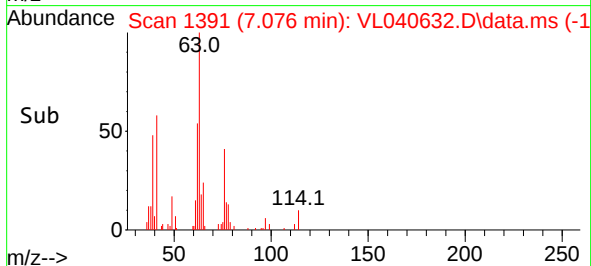
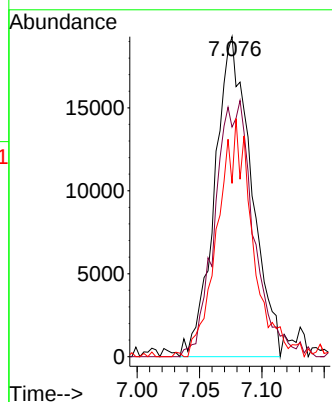
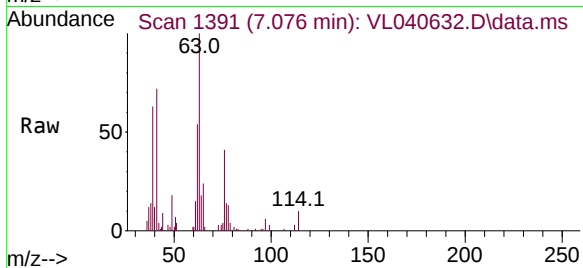
Tgt Ion: 63 Resp: 39382

Ion Ratio Lower Upper

63 100

41 71.8 58.2 87.2

62 53.1 55.0 82.4#



#40

1,4-Dioxane

Concen: 0.001 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Tgt Ion: 88 Resp: 44

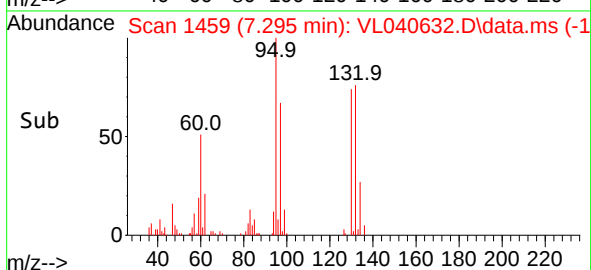
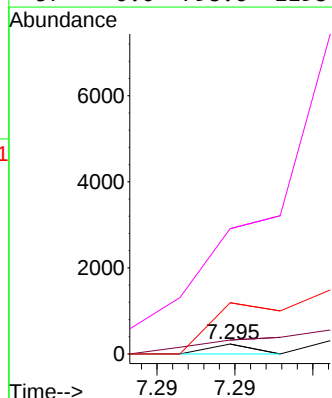
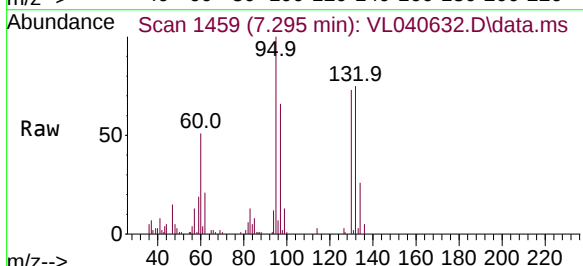
Ion Ratio Lower Upper

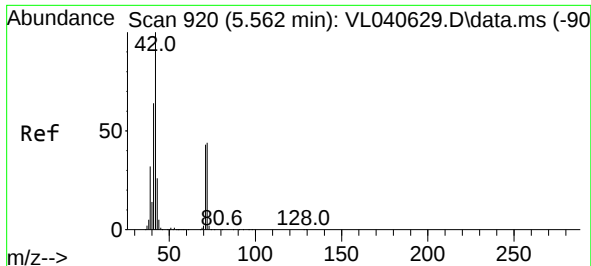
88 100

58 0.0 92.8 139.2#

43 0.0 179.1 268.7#

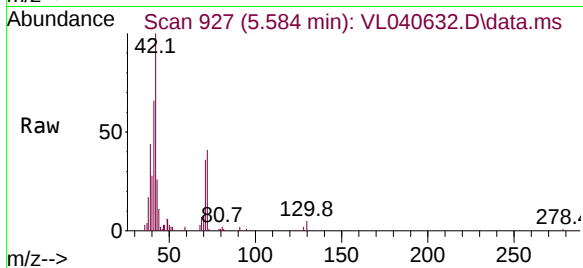
57 0.0 798.6 1198.0#



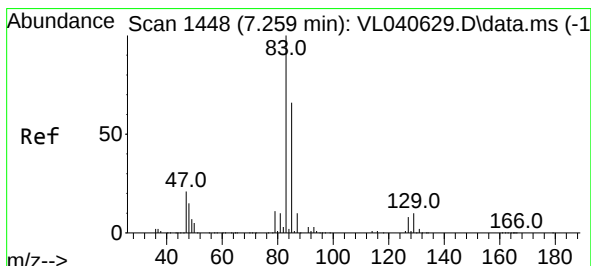
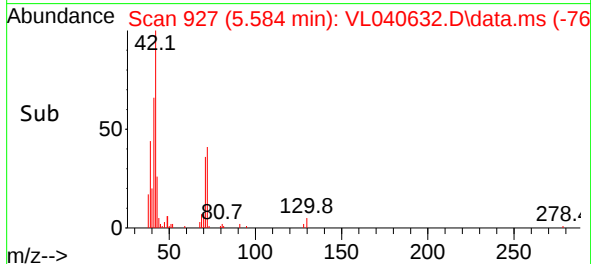
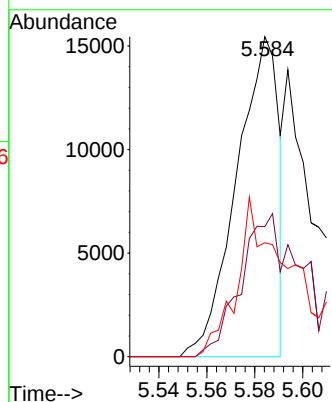


#41
Tetrahydrofuran
Concen: 0.245 ppbv
RT: 5.584 min Scan# 91
Delta R.T. 0.023 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Instrument :
MSVOA_L
ClientSampleId :

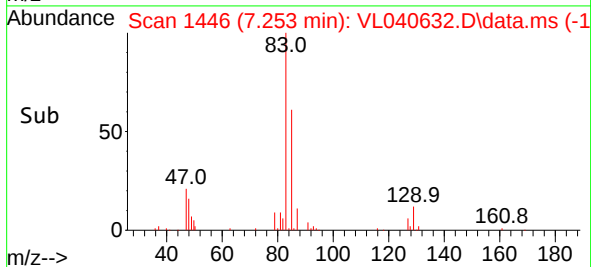
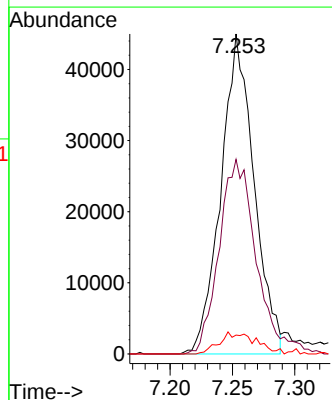
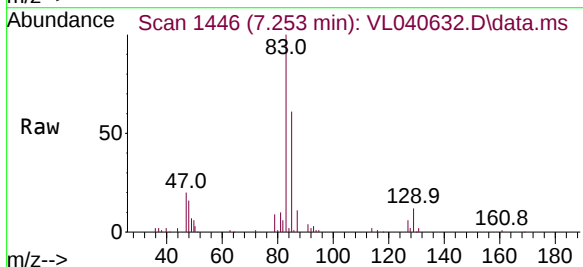


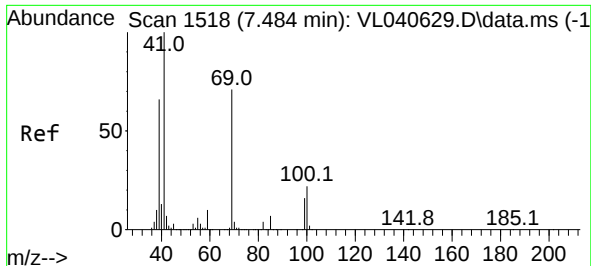
Tgt Ion: 42 Resp: 18874
Ion Ratio Lower Upper
42 100
72 73.2 34.2 51.4#
71 74.2 33.4 50.0#



#42
Bromodichloromethane
Concen: 0.460 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 83 Resp: 83221
Ion Ratio Lower Upper
83 100
85 60.8 52.5 78.7
127 5.9 6.1 9.1#

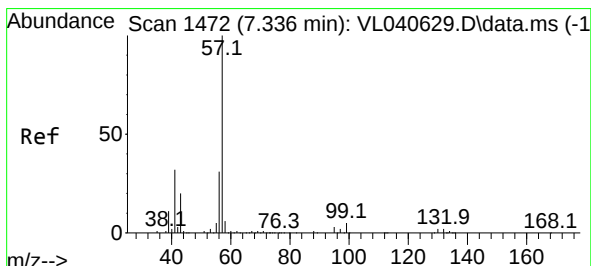
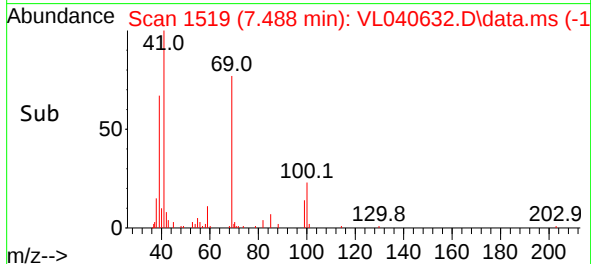
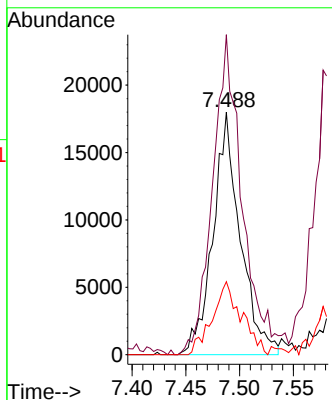
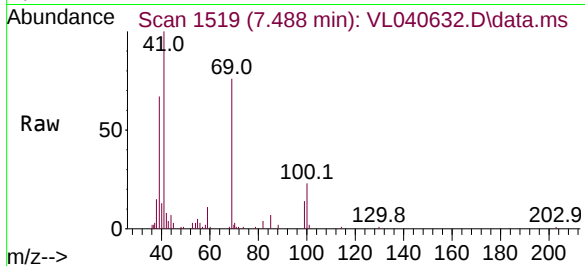




#43
Methyl Methacrylate
Concen: 0.394 ppbv
RT: 7.488 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

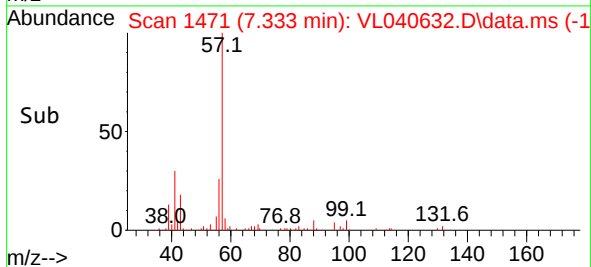
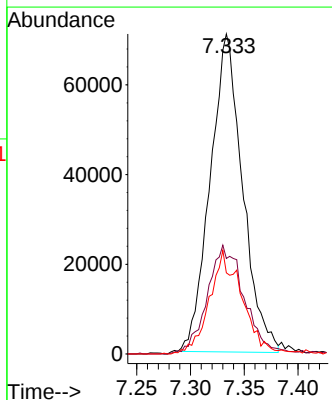
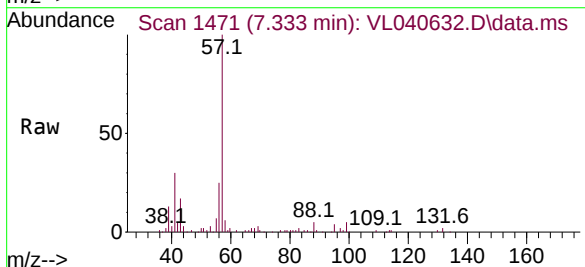
Instrument :
MSVOA_1
ClientSampleId :

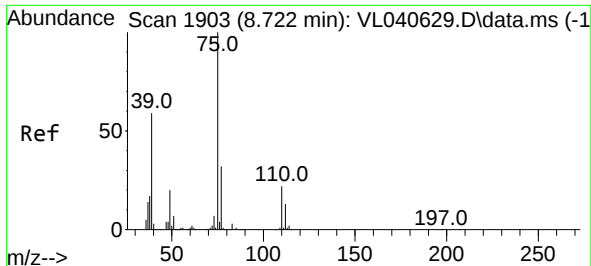
Tgt Ion: 69 Resp: 31743
Ion Ratio Lower Upper
69 100
41 144.7 111.8 167.8
100 34.4 25.8 38.6



#44
2,2,4-Trimethylpentane
Concen: 0.427 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 57 Resp: 148634
Ion Ratio Lower Upper
57 100
41 39.0 26.2 39.4
56 33.5 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 0.166 ppbv

RT: 8.713 min Scan# 1903

Delta R.T. -0.010 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

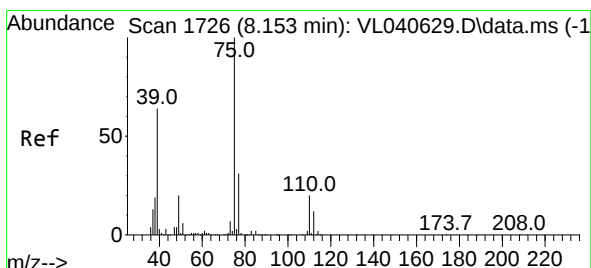
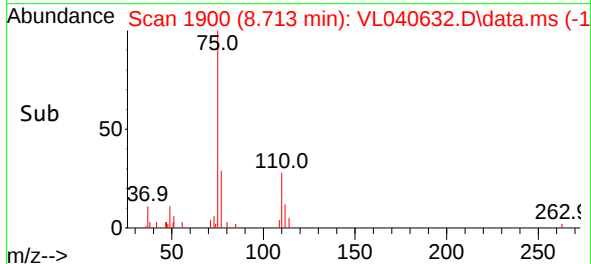
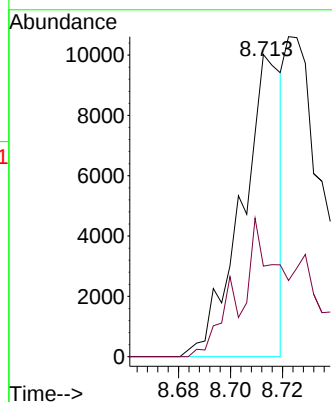
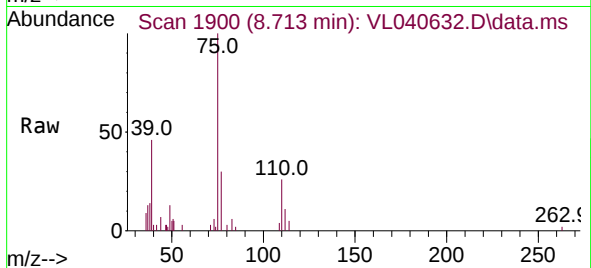
ClientSampleId :

Tgt Ion: 75 Resp: 10575

Ion Ratio Lower Upper

75 100

77 30.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.377 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

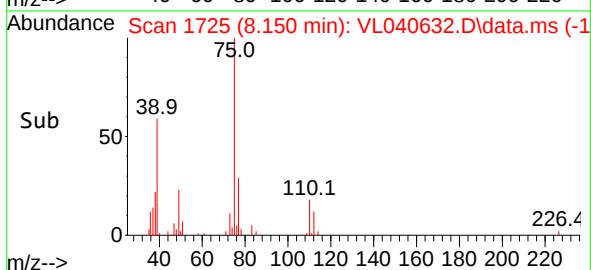
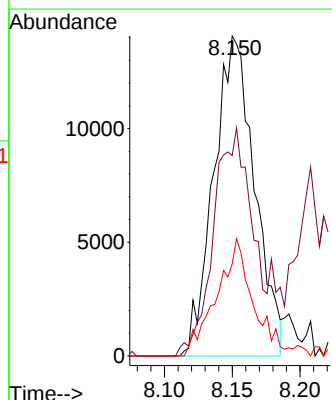
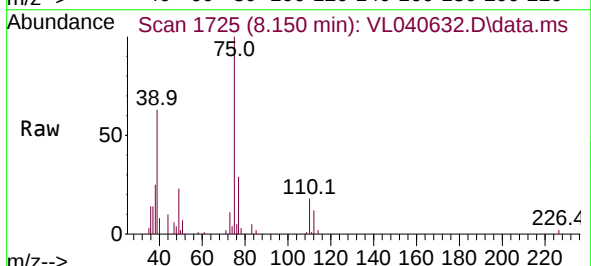
Tgt Ion: 75 Resp: 29509

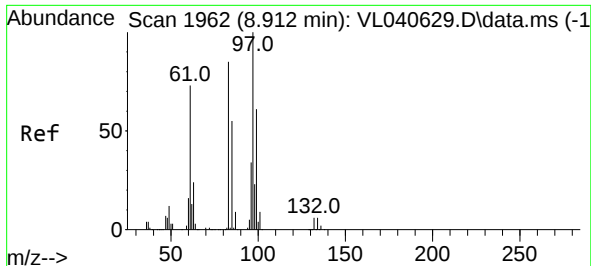
Ion Ratio Lower Upper

75 100

39 60.0 51.0 76.4

77 28.8 24.6 36.8

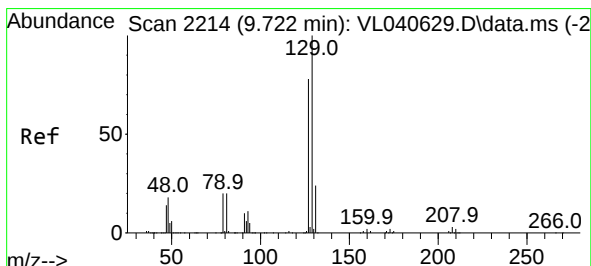
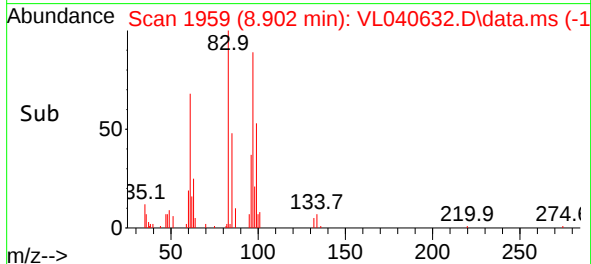
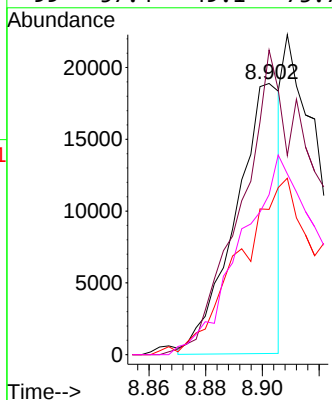
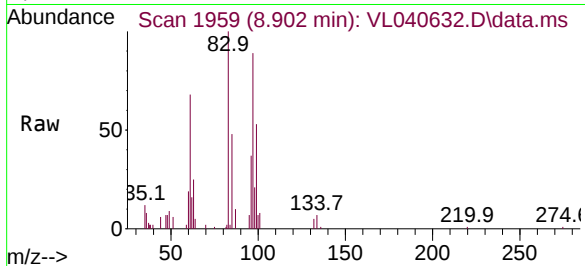




#47
1,1,2-Trichloroethane
Concen: 0.222 ppbv
RT: 8.902 min Scan# 1962
Delta R.T. -0.010 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

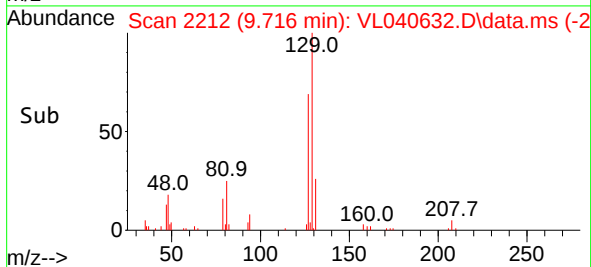
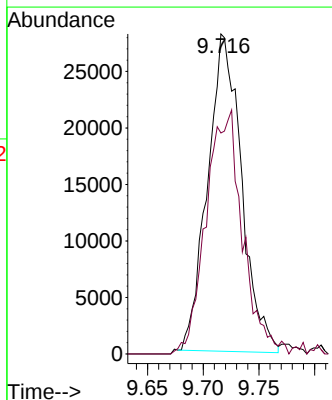
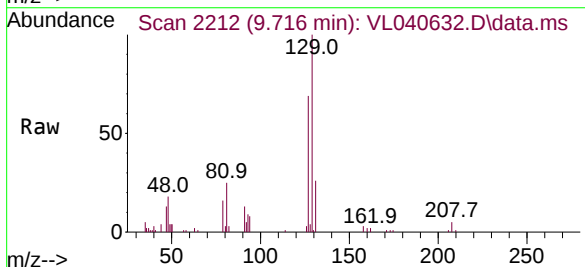
Instrument :
MSVOA_L
ClientSampleId :

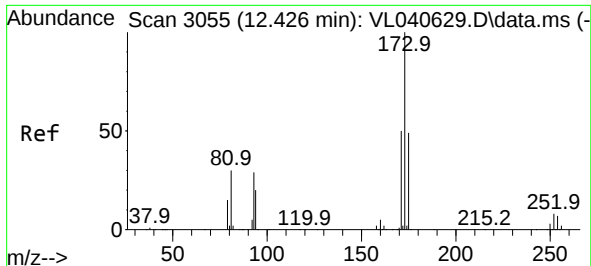
Tgt Ion: 97	Resp: 20540
Ion Ratio	Lower Upper
97 100	
83 113.0	67.8 101.8#
85 53.8	44.0 66.0
99 57.4	49.1 73.7



#48
Dibromochloromethane
Concen: 0.410 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion:129	Resp:	59464	
Ion	Ratio	Lower	Upper
129	100		
127	83.1	38.9	116.7

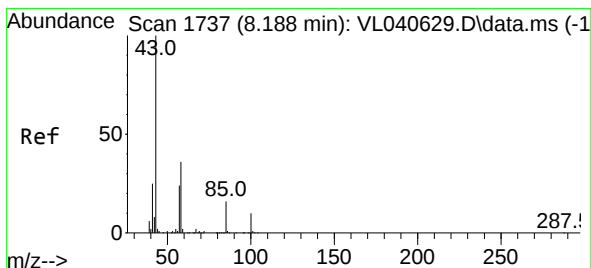
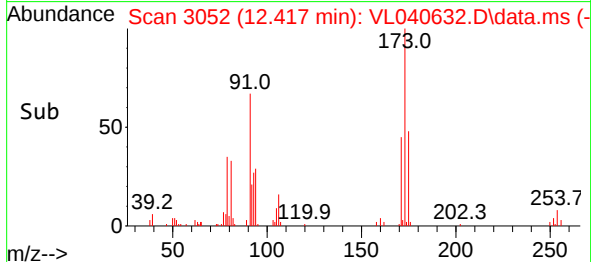
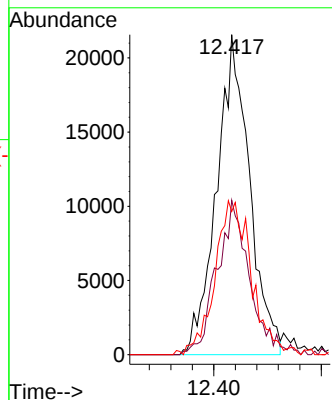
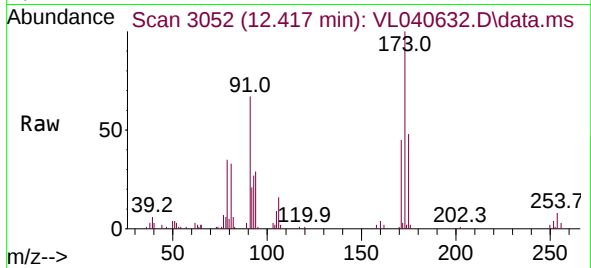




#49
Bromoform
Concen: 0.395 ppbv
RT: 12.417 min Scan# 3055
Delta R.T. -0.010 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

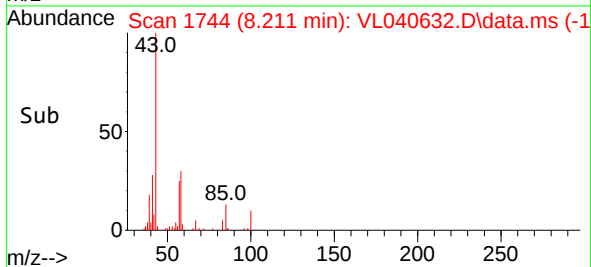
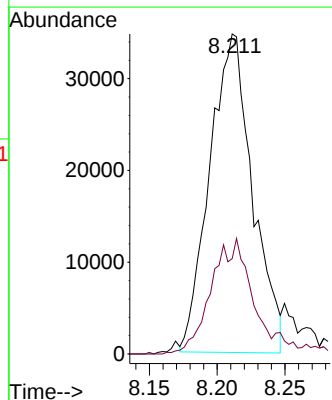
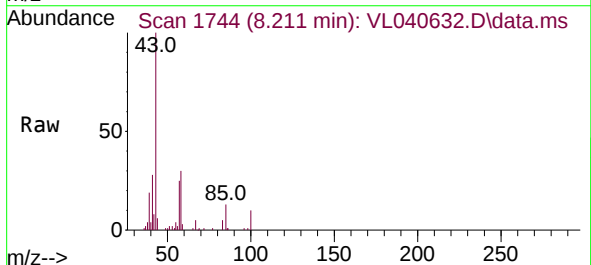
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 45780
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.6
171 53.7 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 0.382 ppbv
RT: 8.211 min Scan# 1744
Delta R.T. 0.023 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 43 Resp: 76278
Ion Ratio Lower Upper
43 100
58 36.3 29.2 43.8

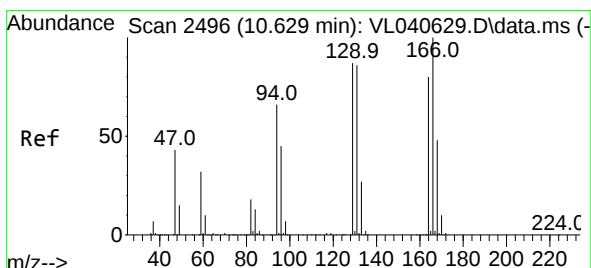
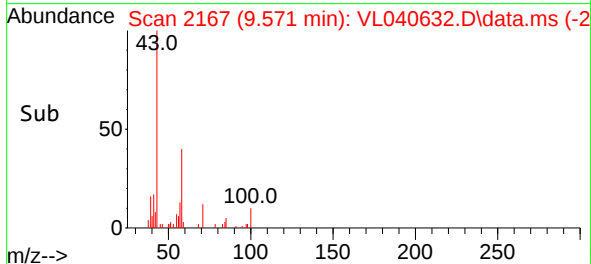
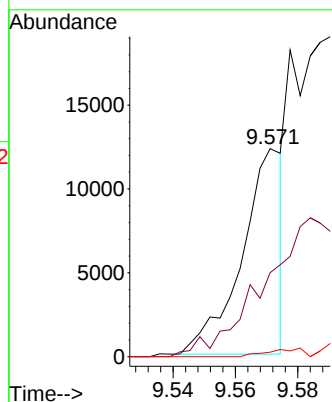
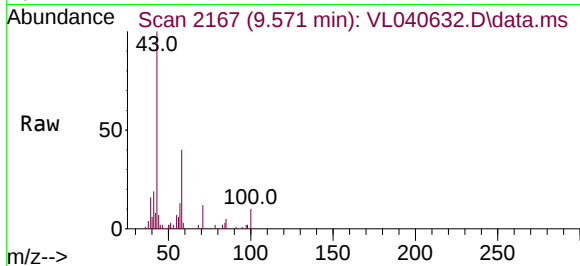




#51
2-Hexanone
Concen: 0.080 ppbv
RT: 9.571 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

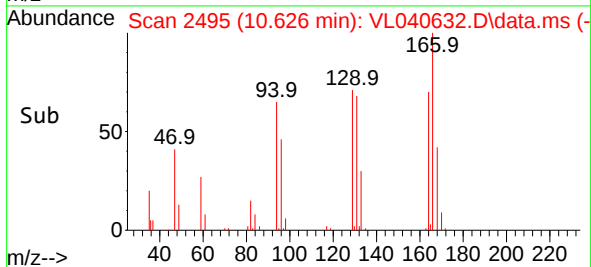
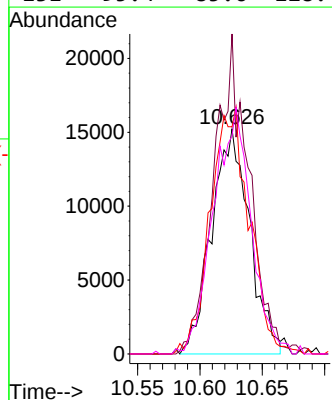
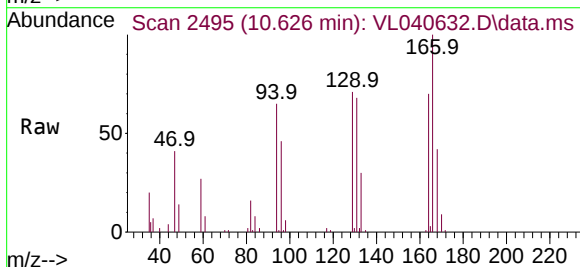
Instrument :
MSVOA_L
ClientSampleId :

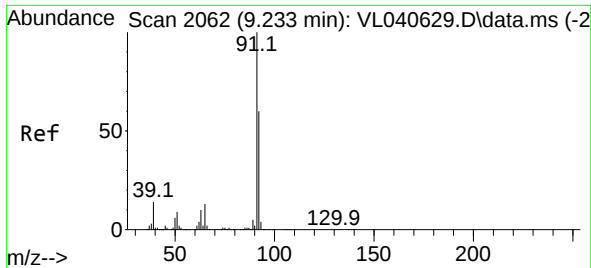
Tgt Ion: 43 Resp: 11196
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.477 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 164 Resp: 32214
Ion Ratio Lower Upper
164 100
166 140.9 99.5 149.3
129 97.6 86.9 130.3
131 95.4 85.6 128.4





#53

Toluene

Concen: 0.235 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. -0.006 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

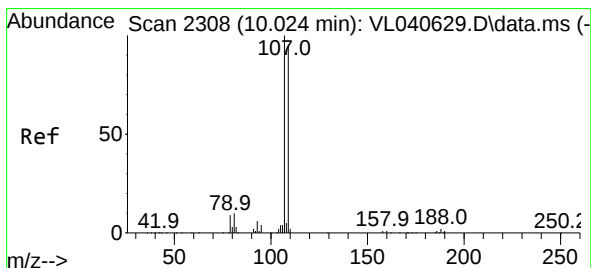
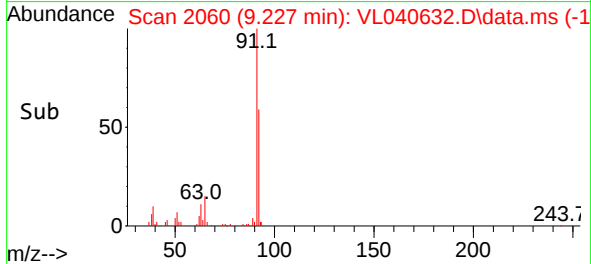
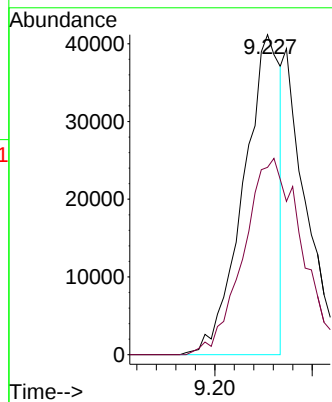
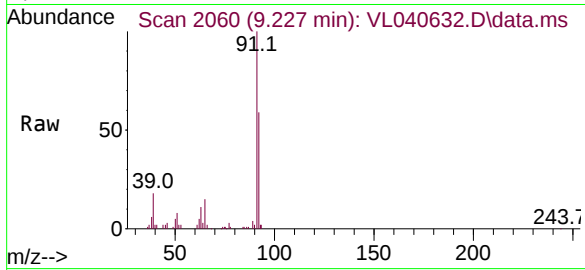
ClientSampleId :

Tgt Ion: 91 Resp: 53745

Ion Ratio Lower Upper

91 100

92 99.7 48.0 72.0#



#54

1,2-Dibromoethane

Concen: 0.320 ppbv

RT: 10.018 min Scan# 2306

Delta R.T. -0.006 min

Lab File: VL040632.D

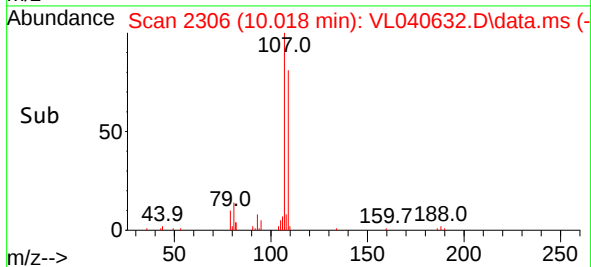
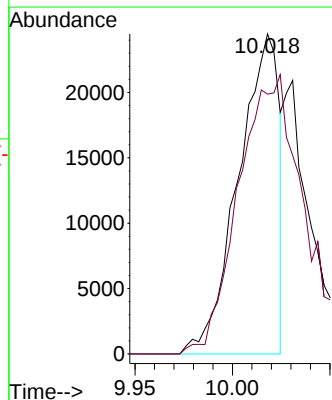
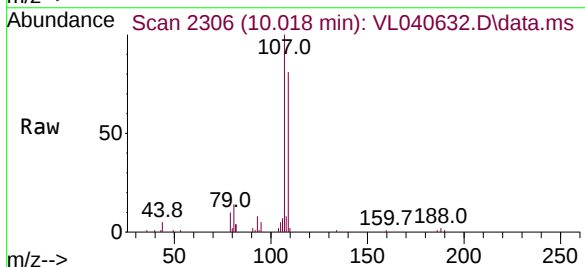
Acq: 15 Aug 2023 12:18

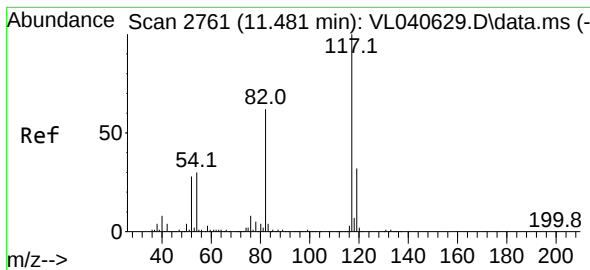
Tgt Ion: 107 Resp: 35598

Ion Ratio Lower Upper

107 100

109 81.2 75.7 113.5

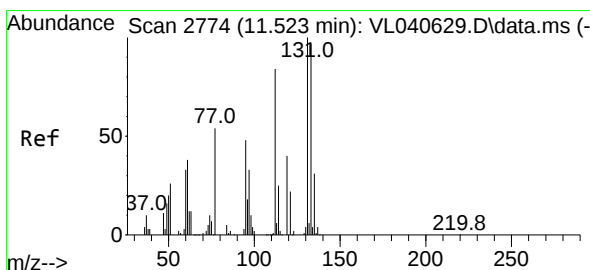
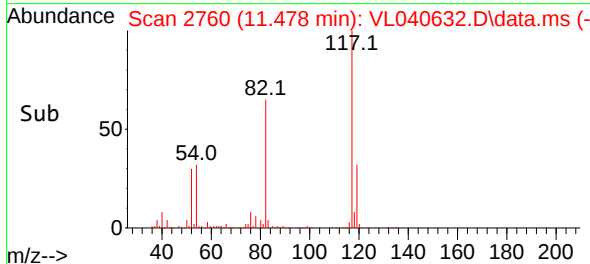
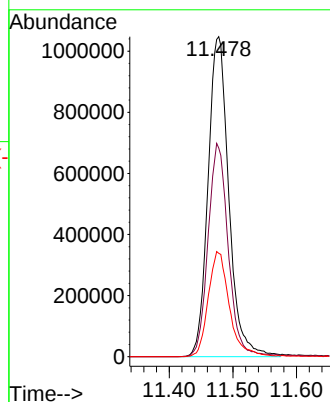
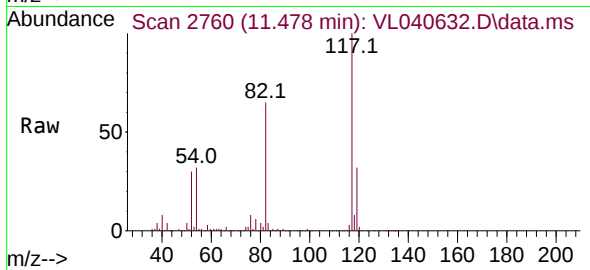




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

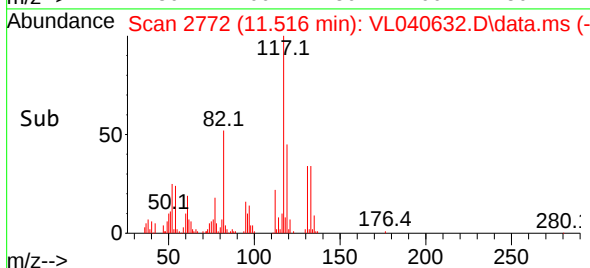
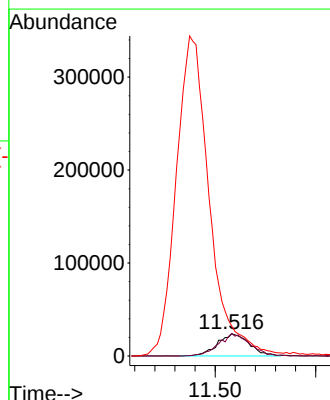
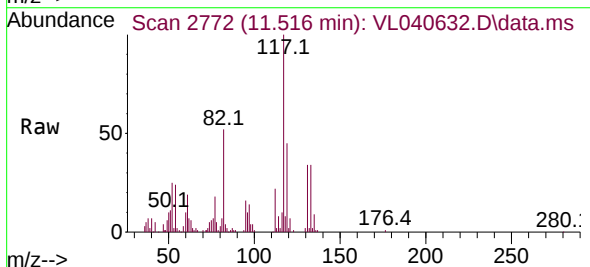
Instrument :
MSVOA_L
ClientSampleId :

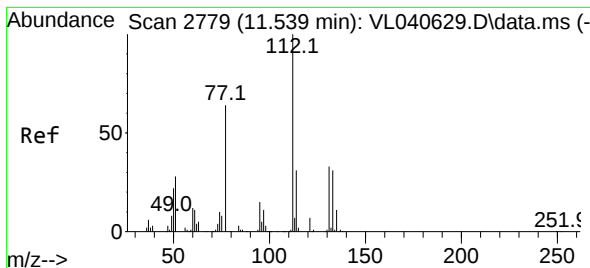
Tgt Ion:117 Resp: 2375244
Ion Ratio Lower Upper
117 100
82 65.1 49.5 74.3
119 33.7 24.5 36.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.476 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion:131 Resp: 52337
Ion Ratio Lower Upper
131 100
133 98.7 75.4 113.0
119 1527.4 51.0 76.6#

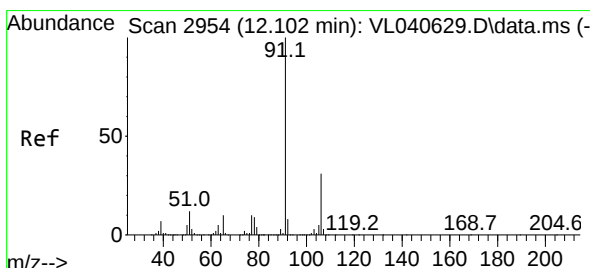
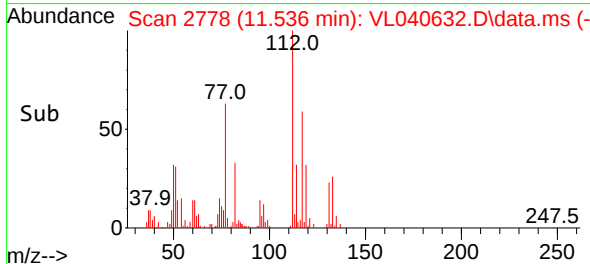
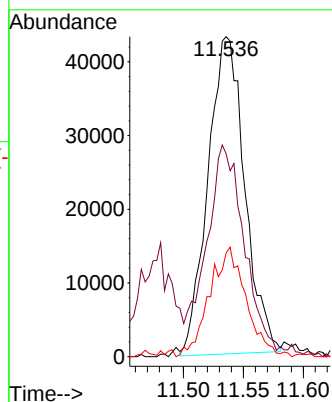
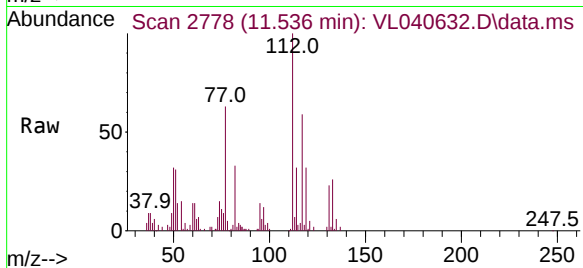




#57
Chlorobenzene
Concen: 0.500 ppbv
RT: 11.536 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

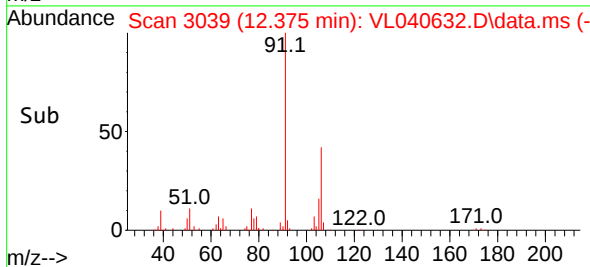
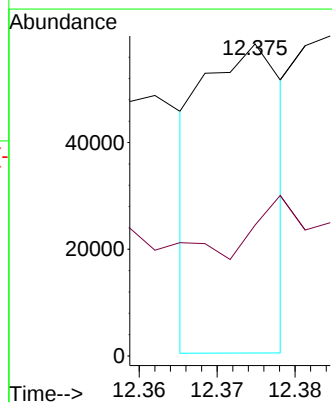
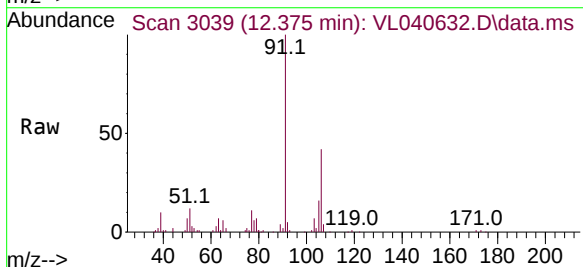
Instrument :
MSVOA_L
ClientSampleId :

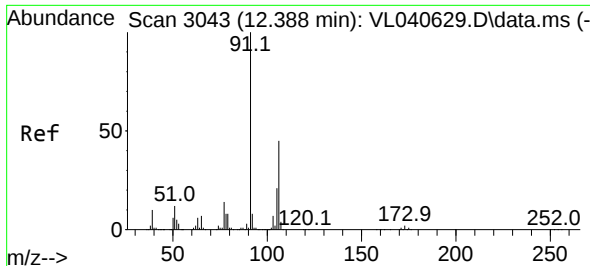
Tgt Ion:112 Resp: 91716
Ion Ratio Lower Upper
112 100
77 61.2 52.5 78.7
114 35.5 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.144 ppbv
RT: 12.375 min Scan# 3039
Delta R.T. 0.273 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 91 Resp: 41344
Ion Ratio Lower Upper
91 100
106 26.0 24.6 36.8





#59

m/p-Xylene

Concen: 0.350 ppbv

RT: 12.385 min Scan# 3043

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

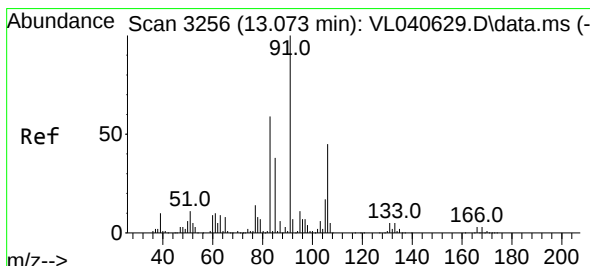
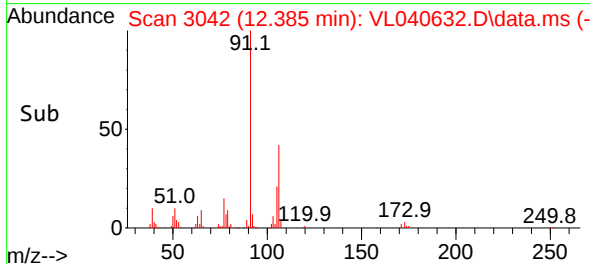
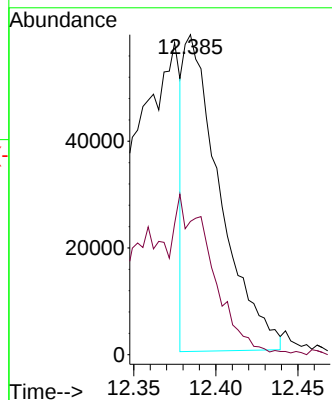
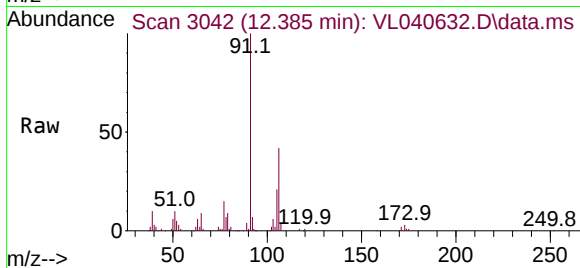
ClientSampleId :

Tgt Ion: 91 Resp: 91439

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#



#60

o-Xylene

Concen: 0.220 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.006 min

Lab File: VL040632.D

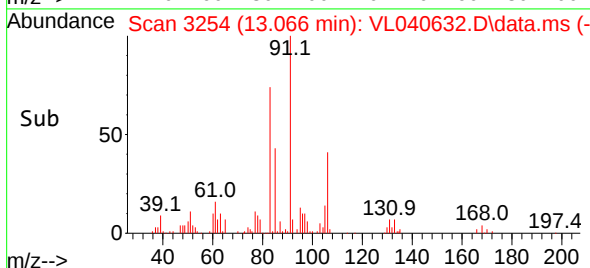
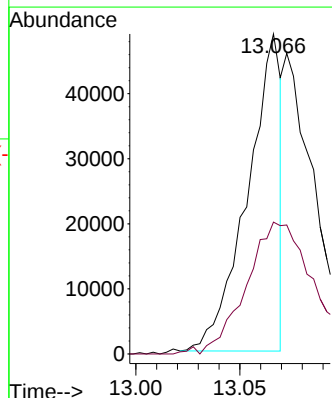
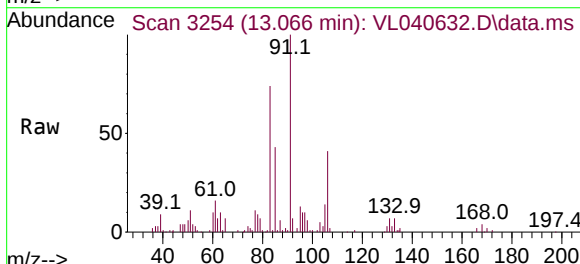
Acq: 15 Aug 2023 12:18

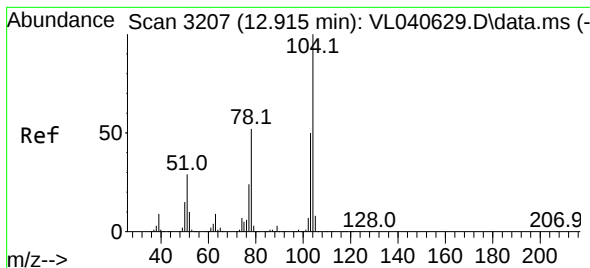
Tgt Ion: 91 Resp: 54548

Ion Ratio Lower Upper

91 100

106 83.6 22.5 67.5#





#61

Styrene

Concen: 0.157 ppbv

RT: 12.912 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040632.D

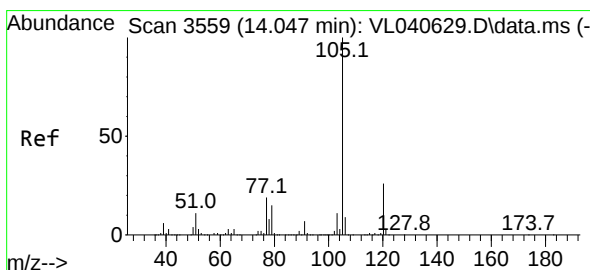
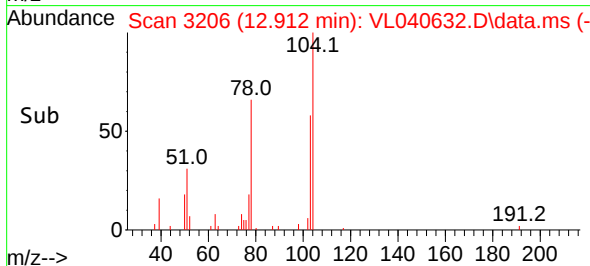
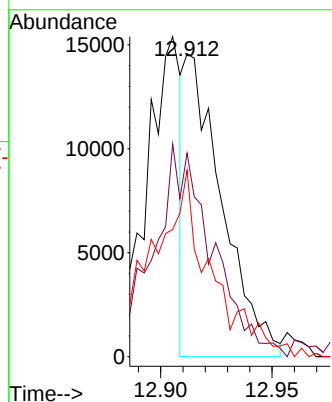
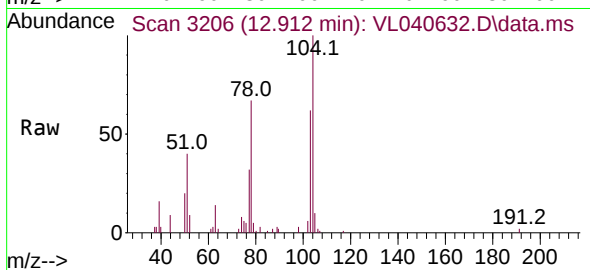
Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:104	Resp:	17064
Ion Ratio	Lower	Upper
104	100	
78	0.0	41.0
103	98.0	37.3



#62

Isopropylbenzene

Concen: 0.440 ppbv

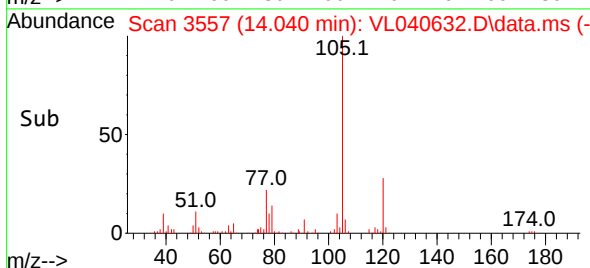
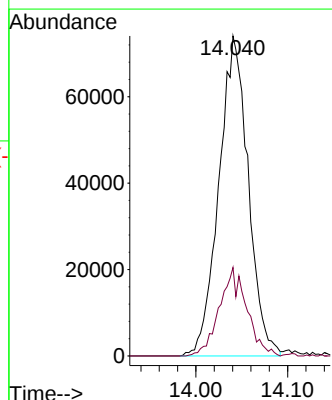
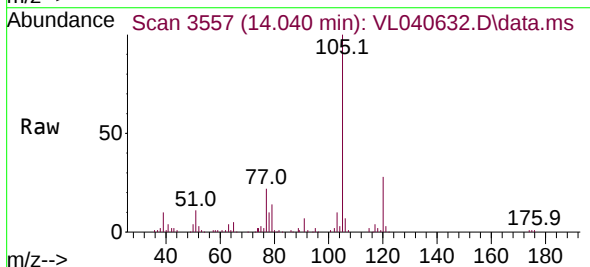
RT: 14.040 min Scan# 3557

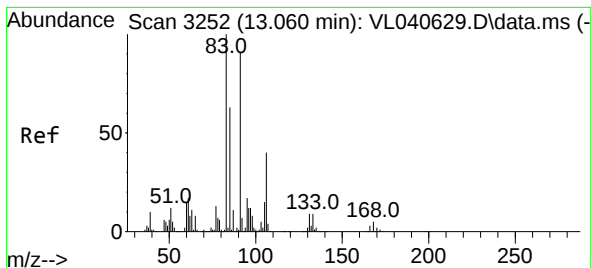
Delta R.T. -0.006 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Tgt Ion:105	Resp:	164858
Ion Ratio	Lower	Upper
105	100	
120	26.0	20.3

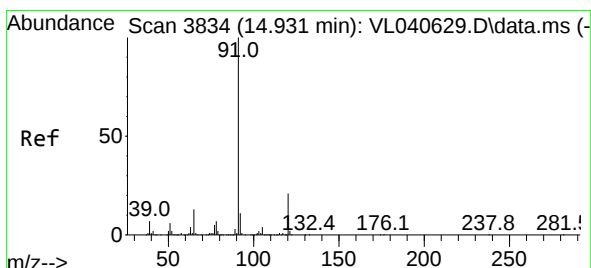
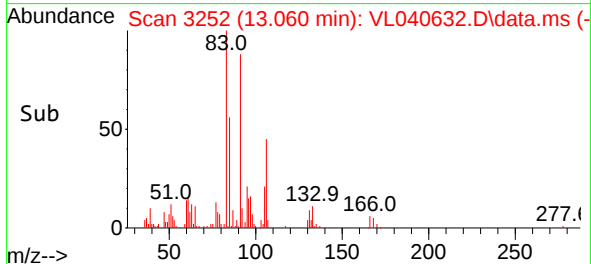
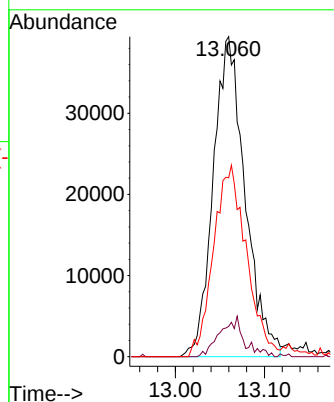
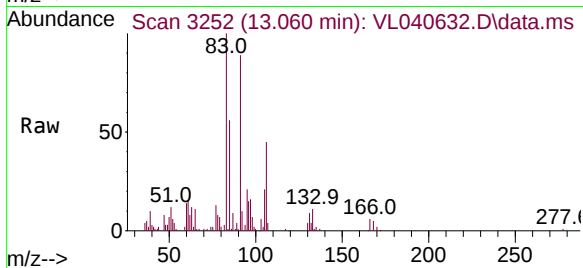




#63
1,1,2,2-Tetrachloroethane
Concen: 0.520 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

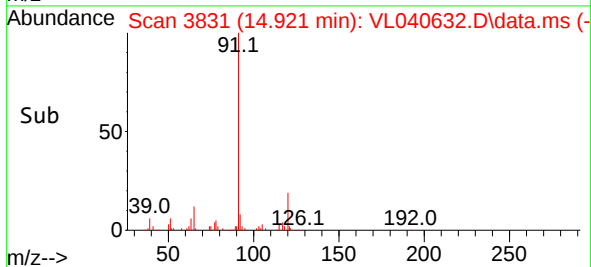
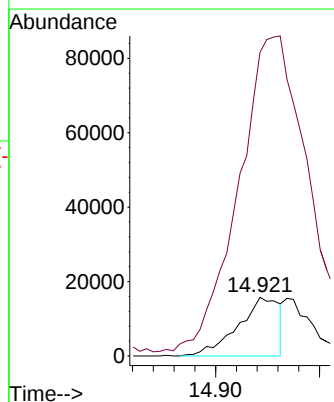
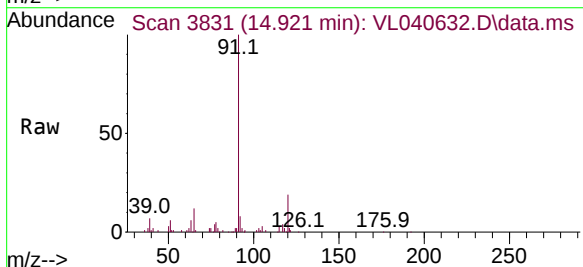
Instrument :
MSVOA_L
ClientSampleId :

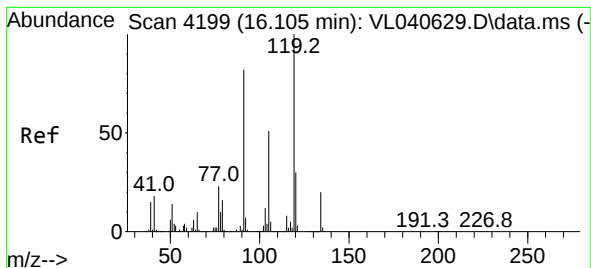
Tgt Ion: 83 Resp: 97690
Ion Ratio Lower Upper
83 100
131 9.7 4.5 13.7
85 63.5 32.4 97.2



#64
n-propylbenzene
Concen: 0.230 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. -0.010 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 120 Resp: 21824
Ion Ratio Lower Upper
120 100
91 540.8 387.8 581.8

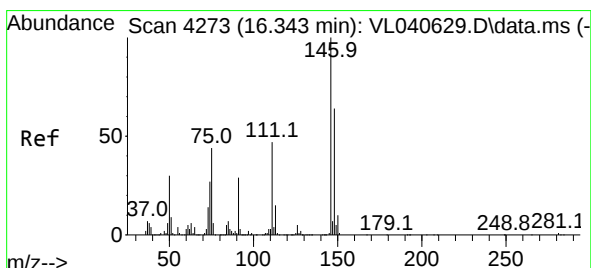
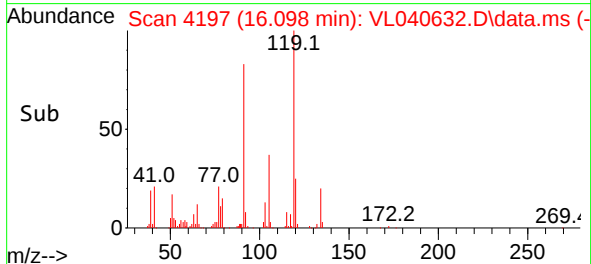
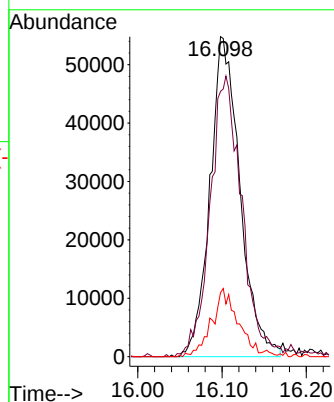
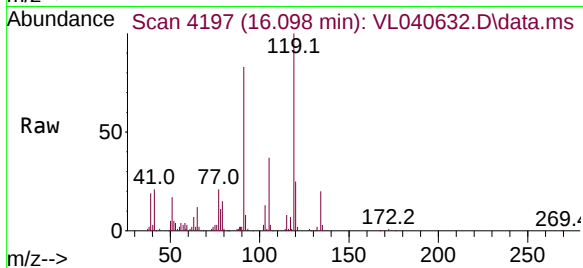




#65
tert-Butylbenzene
Concen: 0.416 ppbv
RT: 16.098 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

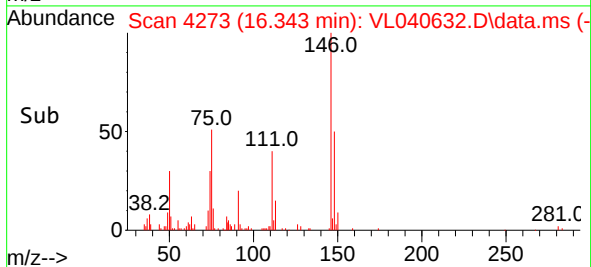
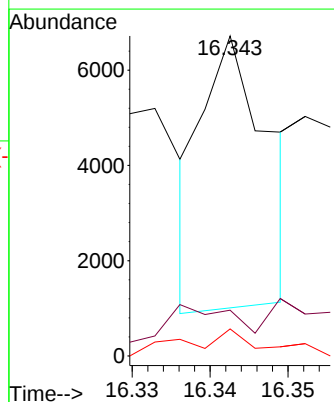
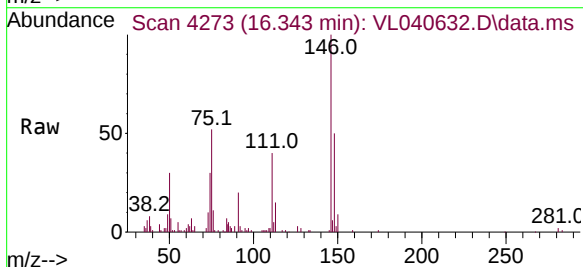
Instrument :
MSVOA_L
ClientSampleId :

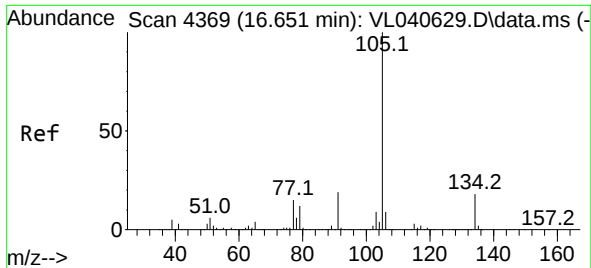
Tgt Ion:119 Resp: 135191
Ion Ratio Lower Upper
119 100
91 94.1 67.8 101.6
134 19.4 15.7 23.5



#66
Benzyl Chloride
Concen: 0.082 ppbv
RT: 16.343 min Scan# 4273
Delta R.T. 0.000 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 91 Resp: 3336
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 14.5 4.3 6.5#

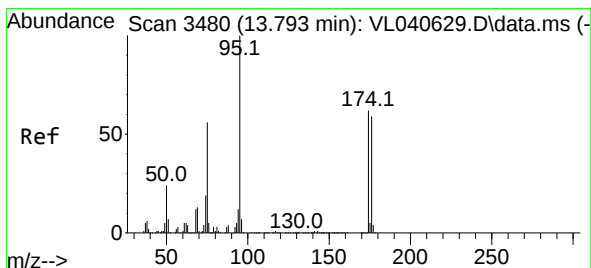
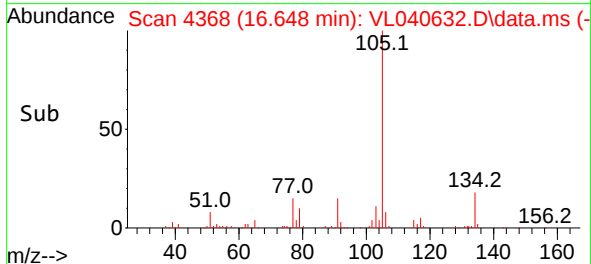
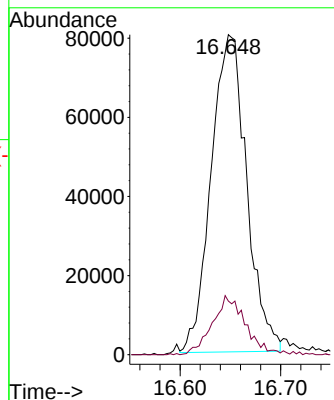
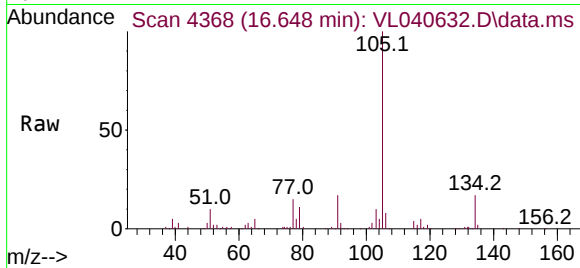




#67
 sec-Butylbenzene
 Concen: 0.415 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

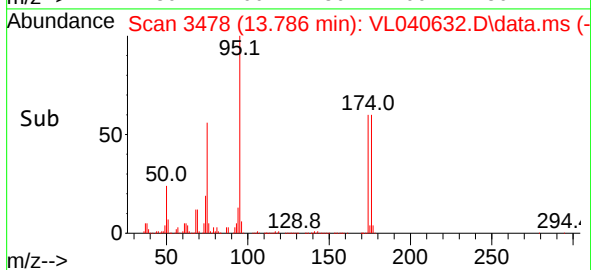
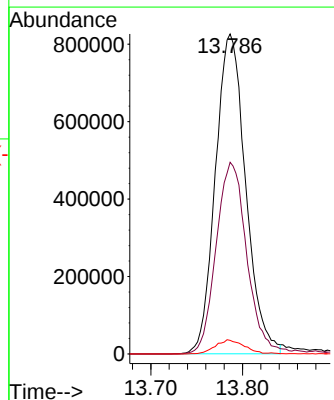
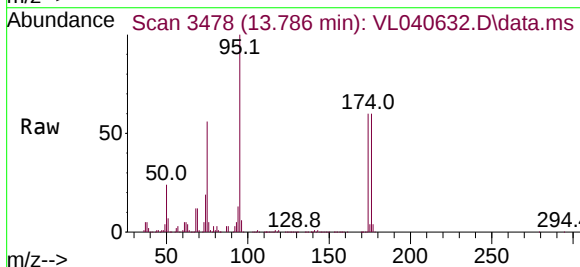
Instrument :
 MSVOA_L
 ClientSampleId :

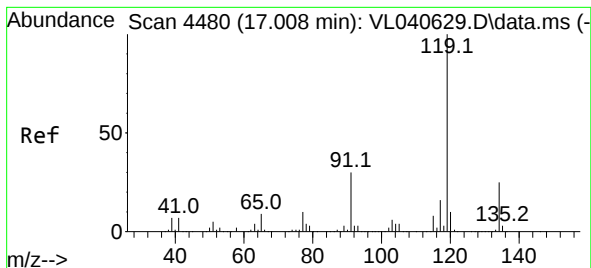
Tgt Ion:105 Resp: 196696
 Ion Ratio Lower Upper
 105 100
 134 17.7 13.8 20.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.033 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.006 min
 Lab File: VL040632.D
 Acq: 15 Aug 2023 12:18

Tgt Ion: 95 Resp: 1895251
 Ion Ratio Lower Upper
 95 100
 174 62.5 49.1 73.7
 175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.199 ppbv

RT: 17.005 min Scan# 4480

Delta R.T. -0.003 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :

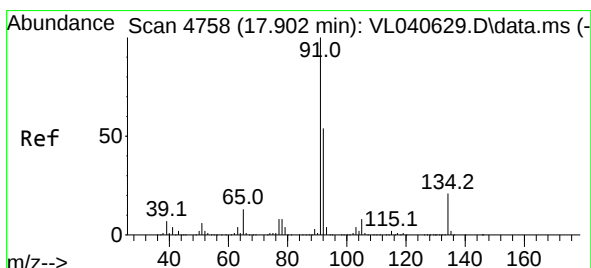
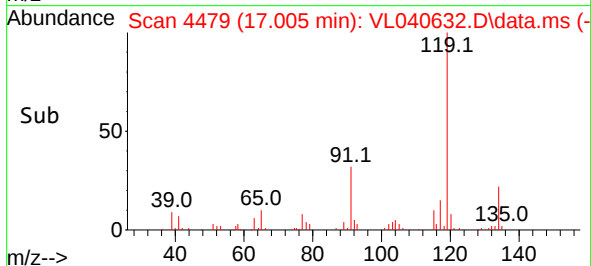
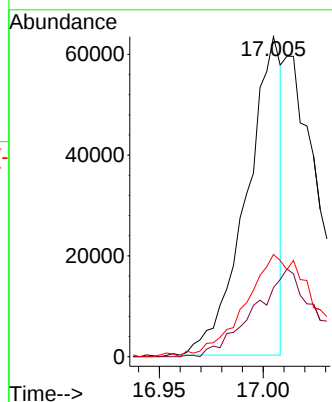
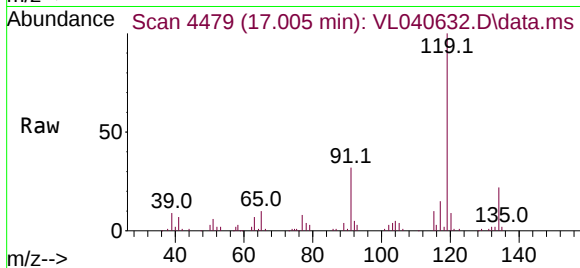
Tgt Ion:119 Resp: 73718

Ion Ratio Lower Upper

119 100

134 0.0 20.2 30.4#

91 69.7 24.2 36.4#



#70

n-Butylbenzene

Concen: 0.203 ppbv

RT: 17.896 min Scan# 4756

Delta R.T. -0.006 min

Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

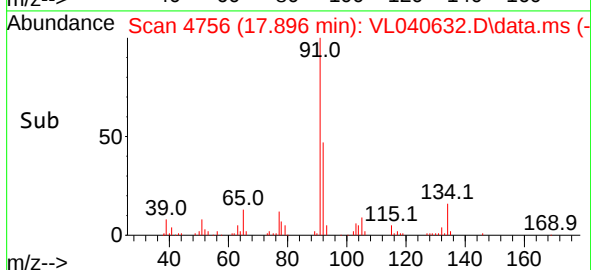
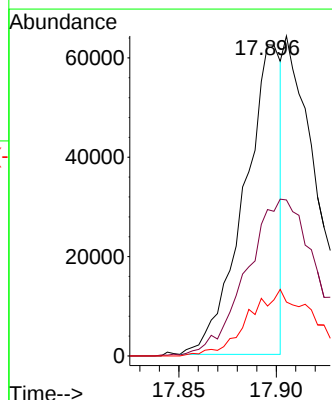
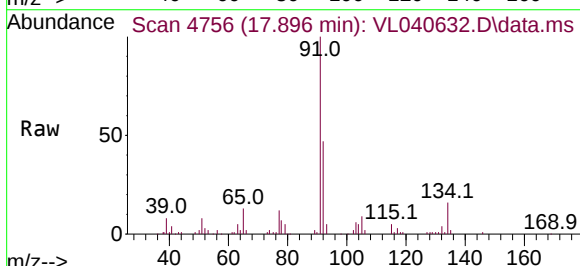
Tgt Ion: 91 Resp: 82346

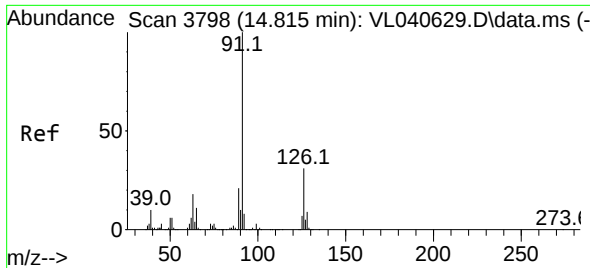
Ion Ratio Lower Upper

91 100

92 0.0 42.9 64.3#

134 0.0 17.0 25.6#

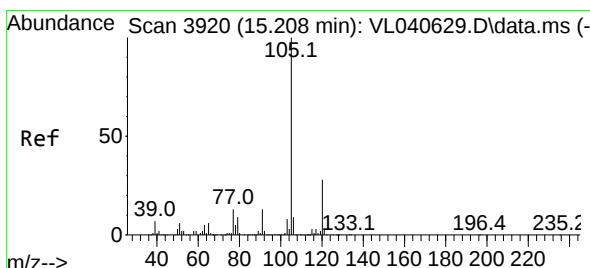
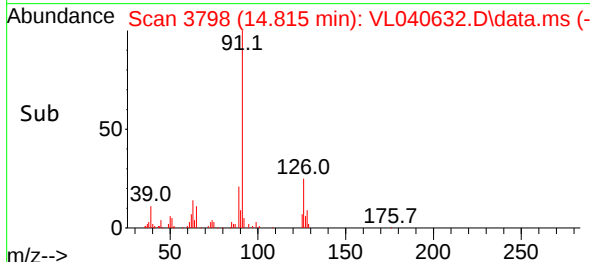
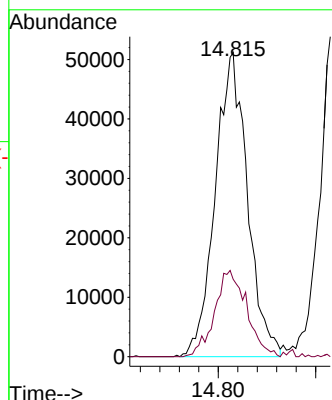
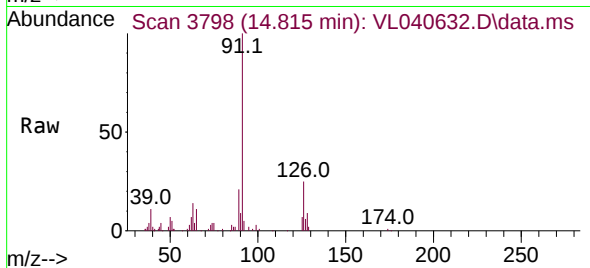




#71
2-Chlorotoluene
Concen: 0.422 ppbv
RT: 14.815 min Scan# 3798
Delta R.T. 0.000 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

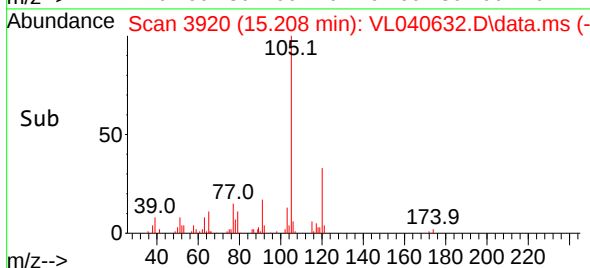
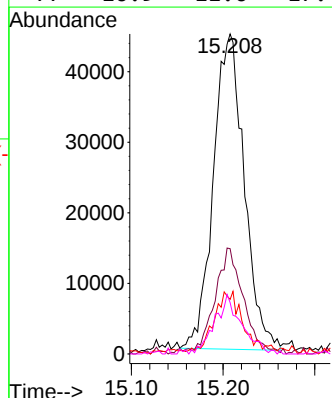
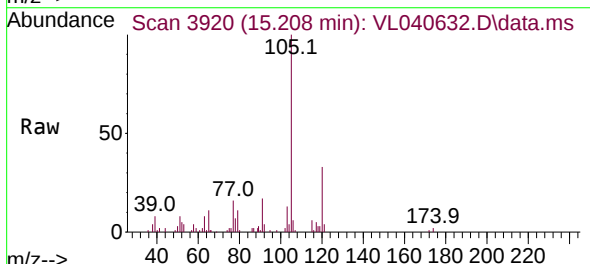
Instrument :
MSVOA_L
ClientSampleId :

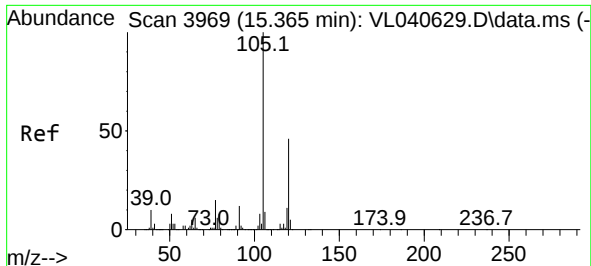
Tgt Ion: 91 Resp: 117408
Ion Ratio Lower Upper
91 100
126 28.8 12.2 49.0



#72
4-Ethyltoluene
Concen: 0.374 ppbv
RT: 15.208 min Scan# 3920
Delta R.T. 0.000 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion: 105 Resp: 104461
Ion Ratio Lower Upper
105 100
120 32.1 23.0 34.6
91 18.2 10.9 16.3#
77 16.9 11.6 17.4

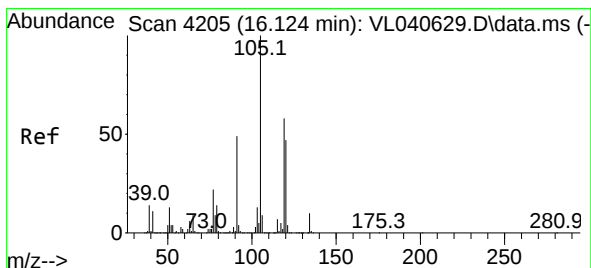
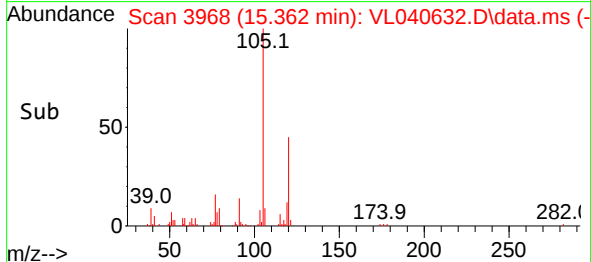
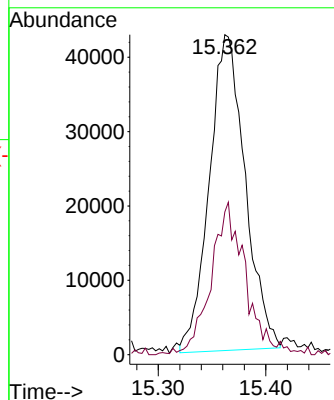
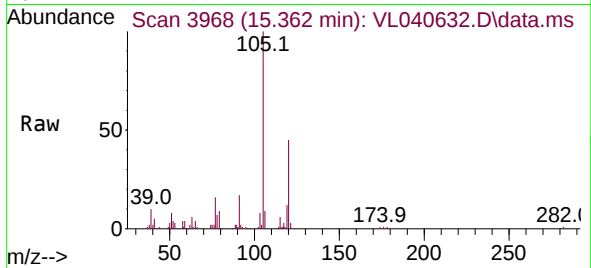




#73
1,3,5-Trimethylbenzene
Concen: 0.395 ppbv
RT: 15.362 min Scan# 3969
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

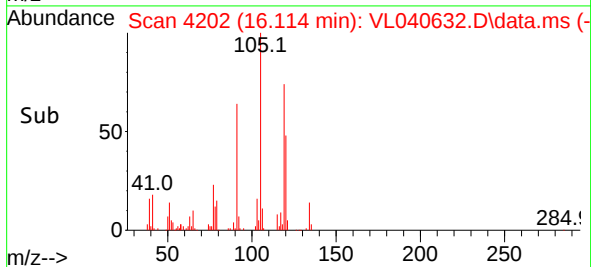
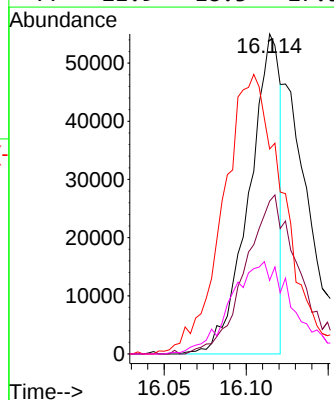
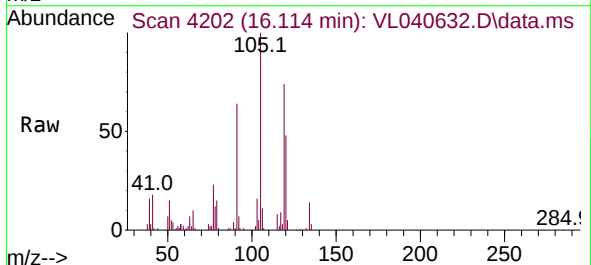
Instrument :
MSVOA_L
ClientSampleId :

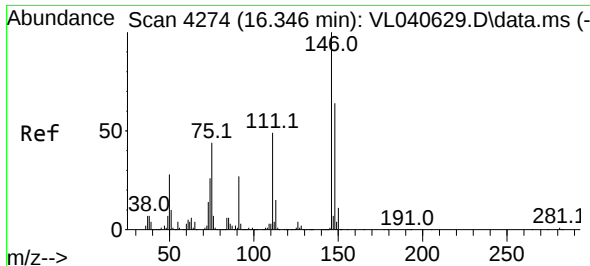
Tgt Ion:105 Resp: 98455
Ion Ratio Lower Upper
105 100
120 44.6 36.5 54.7



#74
1,2,4-Trimethylbenzene
Concen: 0.248 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. -0.010 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion:105 Resp: 72256
Ion Ratio Lower Upper
105 100
120 47.7 37.7 56.5
91 60.7 41.2 61.8
77 21.9 18.3 27.5

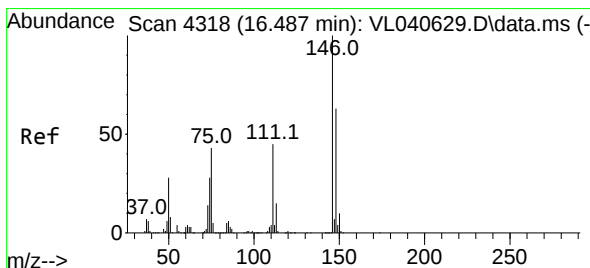
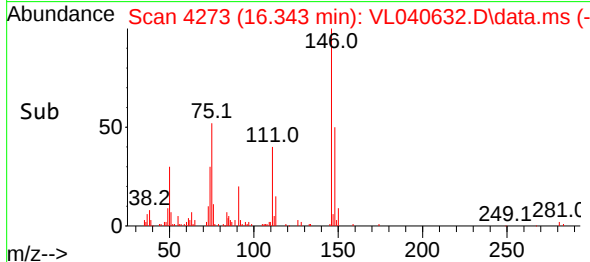
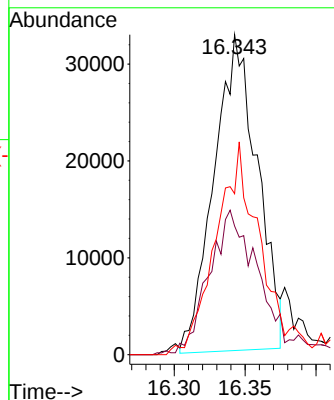
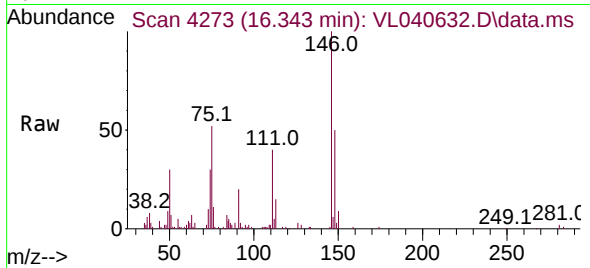




#75
1,3-Dichlorobenzene
Concen: 0.412 ppbv
RT: 16.343 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

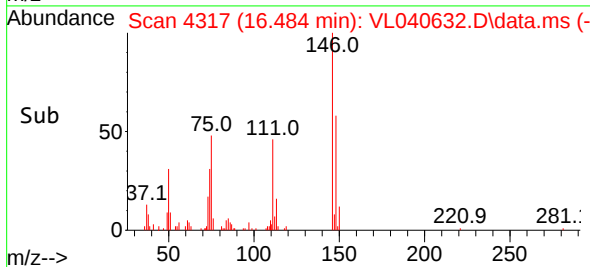
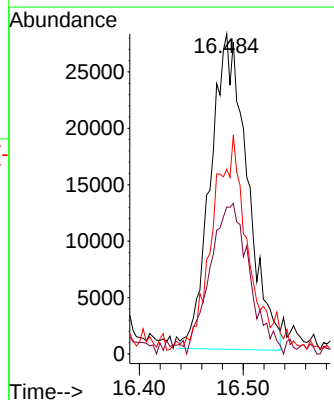
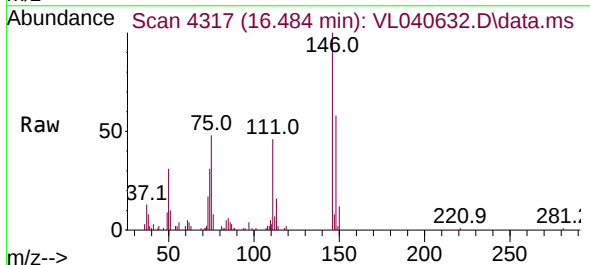
Instrument :
MSVOA_L
ClientSampleId :

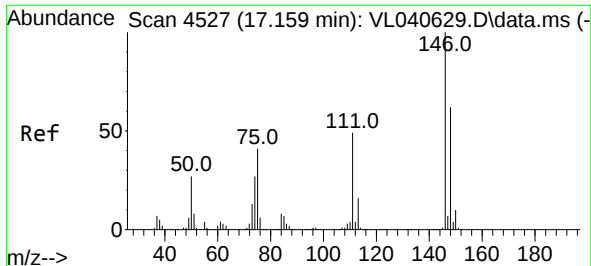
Tgt Ion:146 Resp: 69406
Ion Ratio Lower Upper
146 100
111 55.1 23.7 71.1
148 71.4 31.7 95.1



#76
1,4-Dichlorobenzene
Concen: 0.409 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. -0.003 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

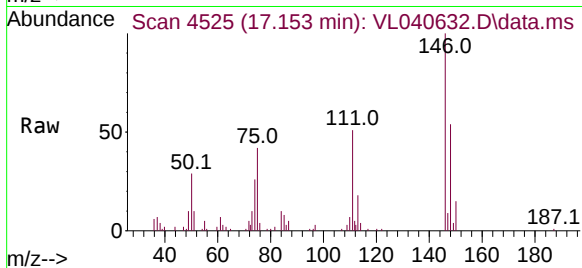
Tgt Ion:146 Resp: 68787
Ion Ratio Lower Upper
146 100
111 54.8 23.2 69.5
148 70.2 32.5 97.5



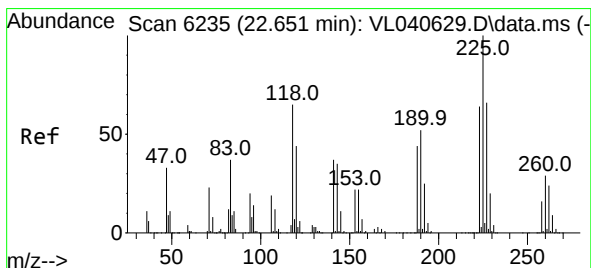
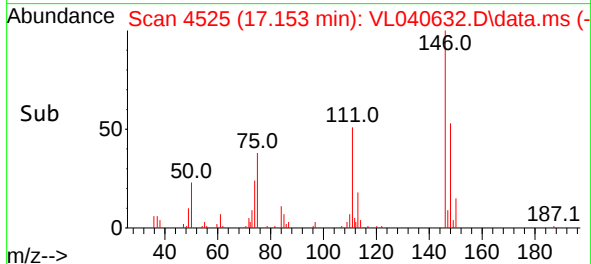
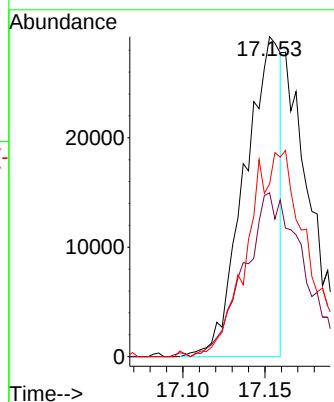


#77
1,2-Dichlorobenzene
Concen: 0.270 ppbv
RT: 17.153 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Instrument :
MSVOA_L
ClientSampleId :

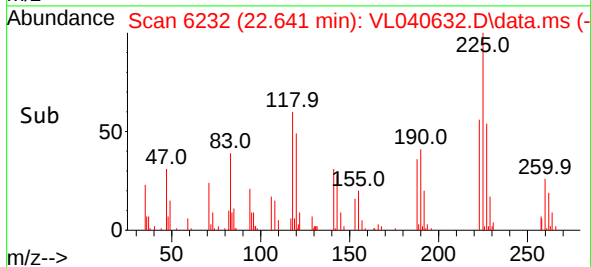
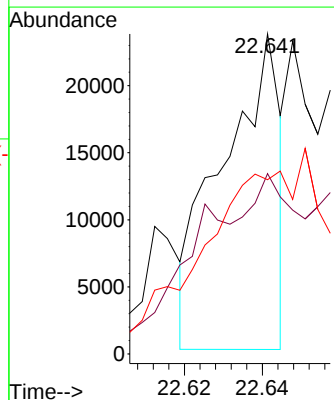
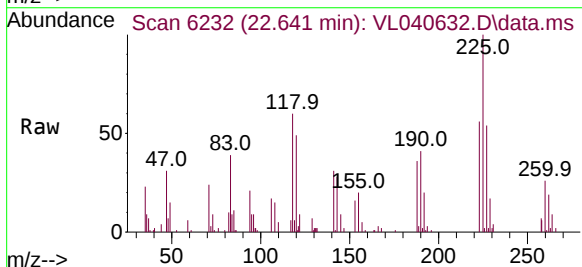


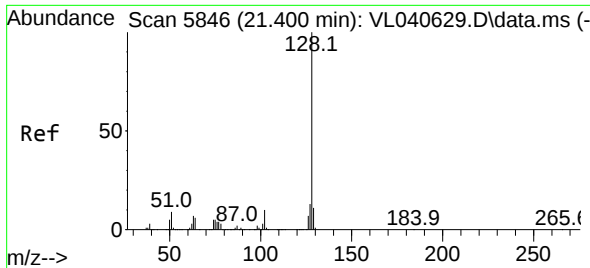
Tgt Ion:146 Resp: 44677
Ion Ratio Lower Upper
146 100
111 90.5 24.6 74.0#
148 111.5 32.1 96.5#



#78
Hexachloro-1,3-Butadiene
Concen: 0.193 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.010 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion:225 Resp: 24352
Ion Ratio Lower Upper
225 100
223 160.0 50.6 76.0#
227 0.0 51.2 76.8#

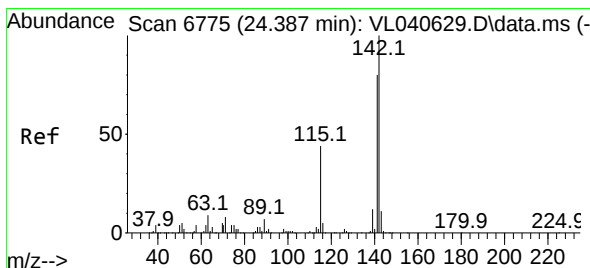
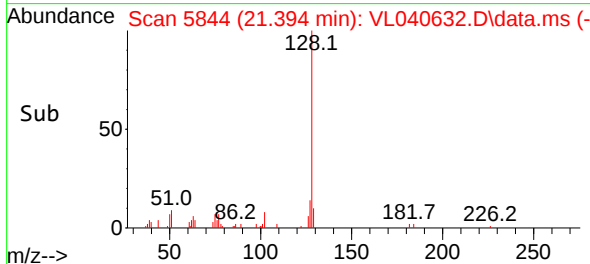
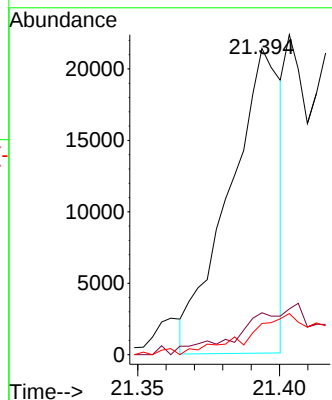
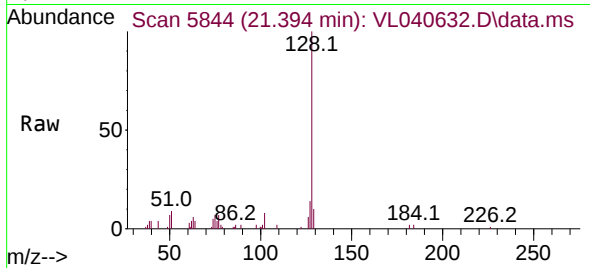




#79
Naphthalene
Concen: 0.137 ppbv
RT: 21.394 min Scan# 5844
Delta R.T. -0.006 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

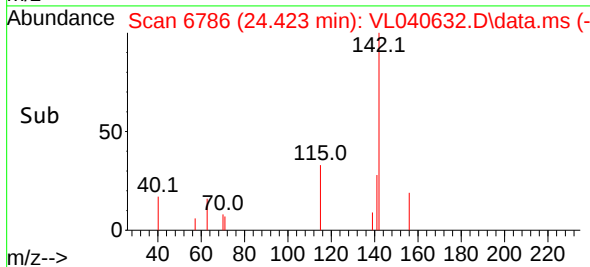
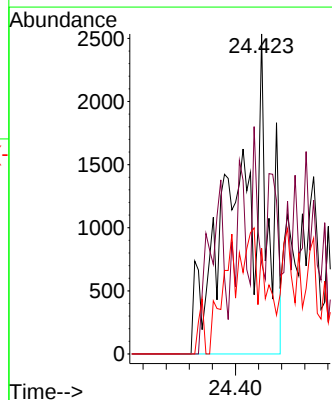
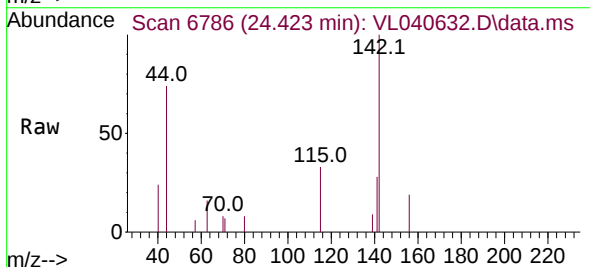
Instrument :
MSVOA_L
ClientSampleId :

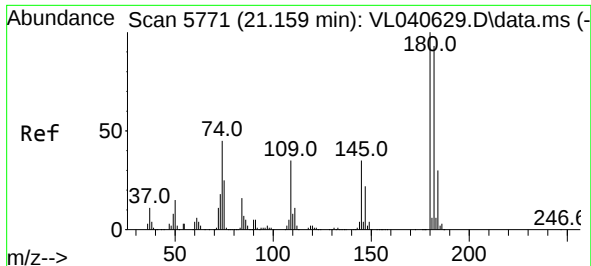
Tgt Ion:128 Resp: 26678
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 11.5 9.2 13.8



#80
Naphthalene,2-methyl-
Concen: 0.093 ppbv
RT: 24.423 min Scan# 6786
Delta R.T. 0.035 min
Lab File: VL040632.D
Acq: 15 Aug 2023 12:18

Tgt Ion:142 Resp: 4826
Ion Ratio Lower Upper
142 100
141 61.7 64.6 96.8#
115 48.9 33.7 50.5





#81

1,2,4-Trichlorobenzene

Concen: 0.144 ppbv

RT: 21.149 min Scan# 51

Delta R.T. -0.010 min

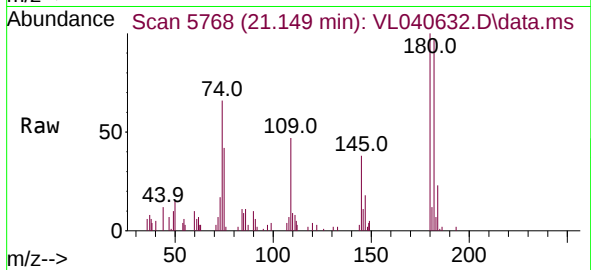
Lab File: VL040632.D

Acq: 15 Aug 2023 12:18

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 18299

Ion Ratio Lower Upper

180 100

182 0.0 78.0 117.0#

184 0.0 24.6 36.8#

