

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040356.D
 Acq On : 13 Apr 2023 11:23
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 14 05:48:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1064990	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2707910	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2490567	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2044658	9.928	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	218456	1.138	ppbv	99
3) Chlorodifluoromethane	2.664	51	152096	1.093	ppbv	99
4) Chloromethane	2.799	50	95059	1.081	ppbv	98
5) Vinyl Chloride	2.909	62	74742	1.030	ppbv	94
6) Bromomethane	3.108	94	26856	1.123	ppbv	87
7) Chloroethane	3.185	64	29016	1.056	ppbv	90
8) Dichlorotetrafluoroethane	2.844	85	201314	1.073	ppbv	95
9) Propene	2.684	41	59544	1.083	ppbv	100
10) Heptane	7.584	43	126625	1.013	ppbv	99
11) Trichlorofluoromethane	3.555	101	203415	1.046	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	146080	1.074	ppbv	99
13) Ethanol	3.243	45	3928	0.856	ppbv #	37
14) Bromoethene	3.356	108	57610	1.036	ppbv	98
15) Acetone	3.465	43	172168	1.141	ppbv	96
16) 1,3-Butadiene	2.973	39	60755	0.973	ppbv	90
17) tert-Butyl alcohol	3.873	59	150090	1.084	ppbv	100
18) 1,1-Dichloroethene	3.870	96	61505	1.003	ppbv	99
19) Isopropyl Alcohol	3.578	45	66854	0.971	ppbv #	86
20) Methylene Chloride	3.925	84	69100	1.147	ppbv	97
21) Allyl Chloride	3.989	41	86241	1.006	ppbv	95
22) trans-1,2-Dichloroethene	4.439	96	64286	1.049	ppbv	93
23) Vinyl Acetate	4.619	43	18842	0.491	ppbv #	92
24) 1,1-Dichloroethane	4.558	63	135920	1.063	ppbv	99
25) Ethyl Acetate	5.205	43	273618	1.078	ppbv	99
26) Hexane	5.208	57	111104	1.038	ppbv	91
27) Carbon Disulfide	4.118	76	130483	0.942	ppbv	93
28) Methyl tert-Butyl Ether	4.587	73	117727	1.066	ppbv	100
29) Chloroform	5.269	83	200514	1.052	ppbv	99
30) Cyclohexane	6.600	84	81470	0.983	ppbv	94
31) cis-1,2-Dichloroethene	5.076	61	107830	1.017	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	194071	1.048	ppbv	99
34) 2-Butanone	4.787	43	151994	1.041	ppbv	96
35) Carbon Tetrachloride	6.494	117	192185	1.008	ppbv	99
36) Benzene	6.368	78	231282	1.047	ppbv	97
37) 1,2-Dichloroethane	5.803	62	149332	1.029	ppbv	98
38) Trichloroethene	7.291	130	129416	1.029	ppbv	98
39) 1,2-Dichloropropane	7.076	63	88332	1.016	ppbv	93
40) 1,4-Dioxane	7.304	88	13422	0.403	ppbv #	1
41) Tetrahydrofuran	5.568	42	39347	0.492	ppbv #	34
42) Bromodichloromethane	7.249	83	204011	1.029	ppbv	99
43) Methyl Methacrylate	7.478	69	77841	0.949	ppbv	94
44) 2,2,4-Trimethylpentane	7.330	57	382791	1.037	ppbv	97
45) t-1,3-Dichloropropene	8.719	75	61106	0.834	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040356.D
 Acq On : 13 Apr 2023 11:23
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC001

Quant Time: Apr 14 05:48:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

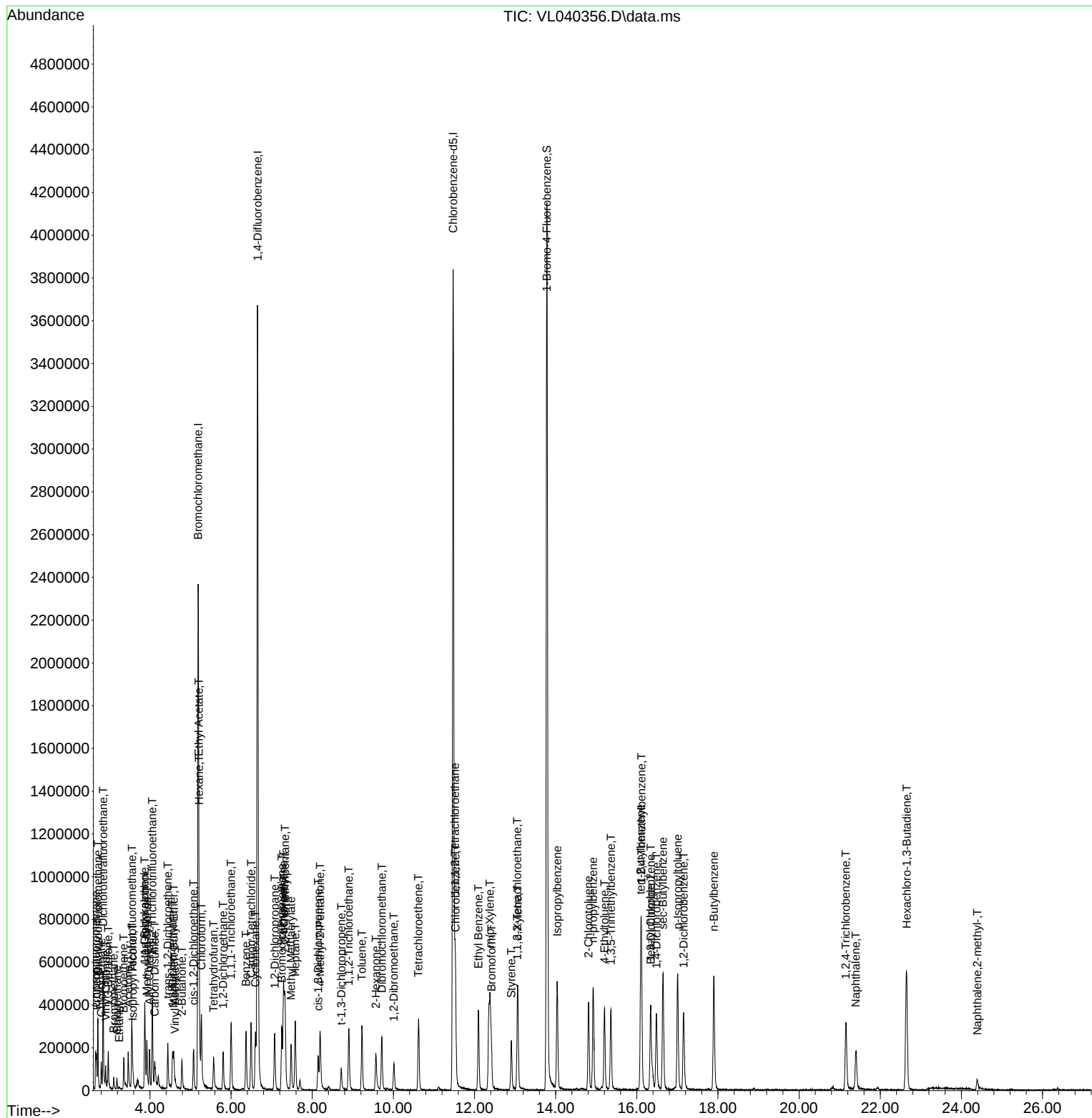
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	89898	0.881	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	50098	0.526	ppbv	98
48) Dibromochloromethane	9.716	129	146070	0.952	ppbv	98
49) Bromoform	12.416	173	107403	0.897	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	215329	0.973	ppbv	98
51) 2-Hexanone	9.568	43	153287	0.937	ppbv #	97
52) Tetrachloroethene	10.619	164	73091	1.058	ppbv	92
53) Toluene	9.224	91	227600	0.972	ppbv	99
54) 1,2-Dibromoethane	10.008	107	44133	0.457	ppbv	90
56) 1,1,1,2-Tetrachloroethane	11.516	131	119834	1.054	ppbv #	1
57) Chlorobenzene	11.535	112	95203	0.488	ppbv	98
58) Ethyl Benzene	12.098	91	311016	1.015	ppbv	96
59) m/p-Xylene	12.378	91	238763	0.847	ppbv #	8
60) o-Xylene	13.066	91	281104	1.040	ppbv	98
61) Styrene	12.905	104	123488	0.912	ppbv	98
62) Isopropylbenzene	14.037	105	408940	1.050	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.053	83	53509	0.541	ppbv #	27
64) n-propylbenzene	14.924	120	96929	1.012	ppbv	81
65) tert-Butylbenzene	16.095	119	169413	0.494	ppbv #	15
66) Benzyl Chloride	16.346	91	3411	0.161	ppbv #	1
67) sec-Butylbenzene	16.645	105	517456	1.052	ppbv	98
69) p-Isopropyltoluene	17.008	119	405281	1.055	ppbv	98
70) n-Butylbenzene	17.899	91	445793	1.047	ppbv	98
71) 2-Chlorotoluene	14.809	91	310391	1.038	ppbv	99
72) 4-Ethyltoluene	15.204	105	302534	1.013	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	278100	1.009	ppbv	95
74) 1,2,4-Trimethylbenzene	16.114	105	332620	1.055	ppbv	90
75) 1,3-Dichlorobenzene	16.342	146	177845	1.030	ppbv	97
76) 1,4-Dichlorobenzene	16.484	146	170421	0.999	ppbv	95
77) 1,2-Dichlorobenzene	17.153	146	178156	1.044	ppbv	98
78) Hexachloro-1,3-Butadiene	22.651	225	82445	0.602	ppbv #	34
79) Naphthalene	21.400	128	215475	1.013	ppbv	99
80) Naphthalene,2-methyl-	24.393	142	41740	0.659	ppbv	92
81) 1,2,4-Trichlorobenzene	21.149	180	58111	0.444	ppbv #	8

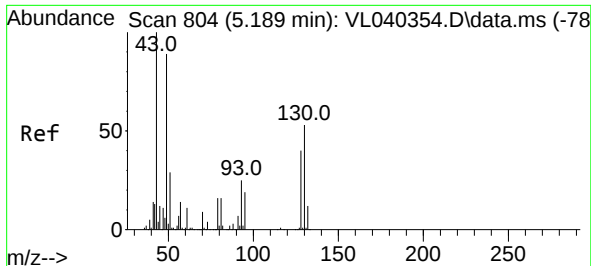
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
Data File : VL040356.D
Acq On : 13 Apr 2023 11:23
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

Quant Time: Apr 14 05:48:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

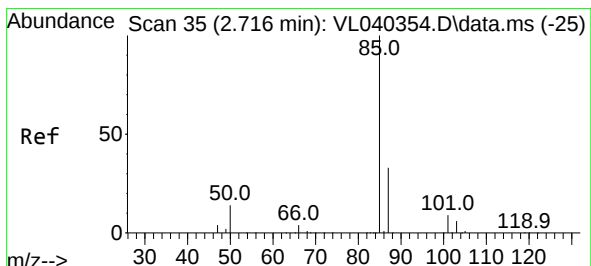
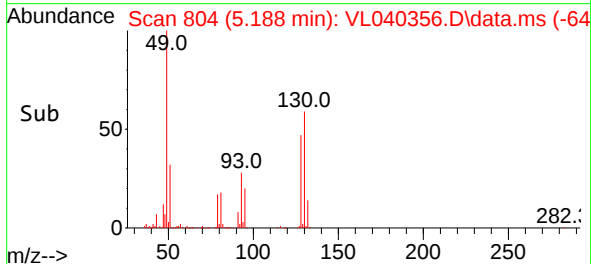
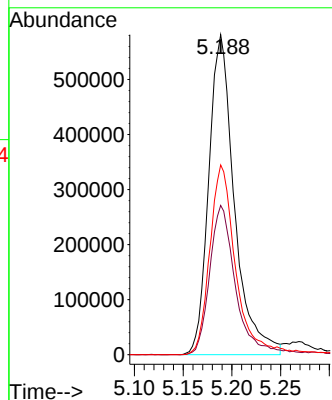
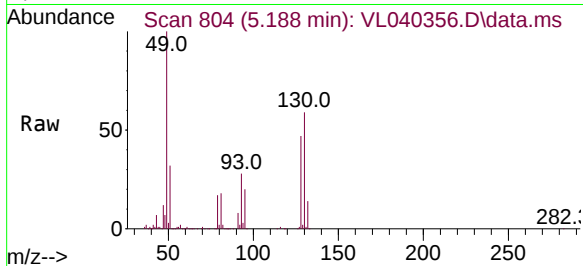




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. -0.001 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

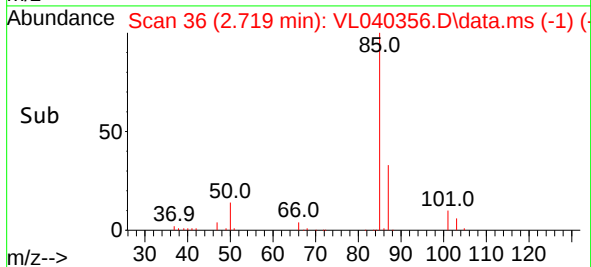
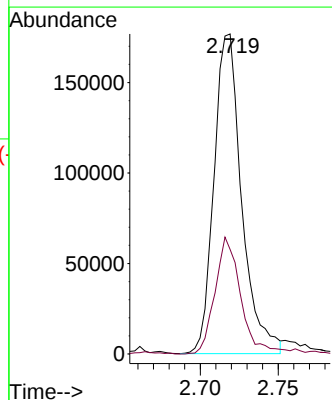
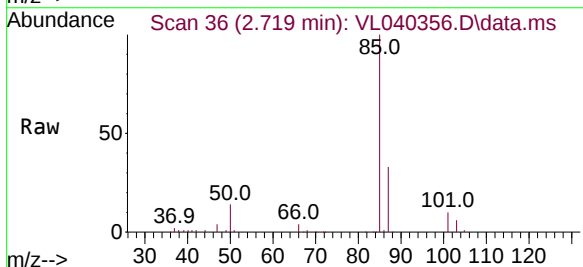
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

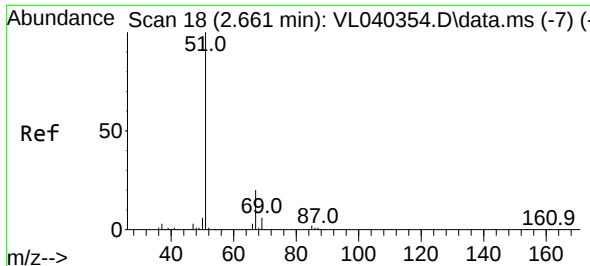
Tgt Ion: 49 Resp: 1064990
Ion Ratio Lower Upper
49 100
128 48.3 23.7 71.1
130 61.3 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 1.138 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 85 Resp: 218456
Ion Ratio Lower Upper
85 100
87 32.7 26.6 40.0

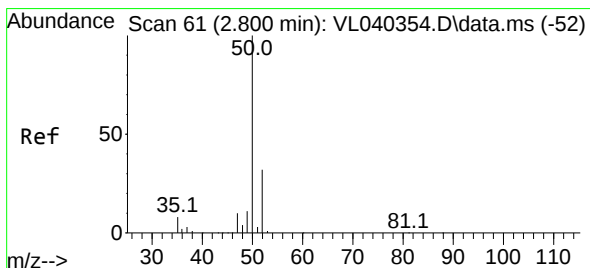
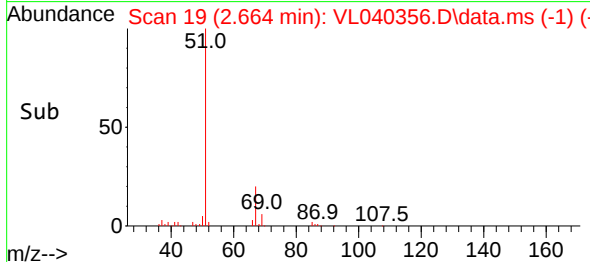
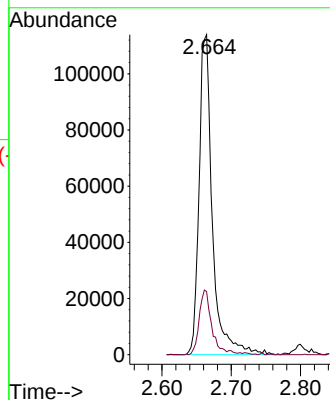
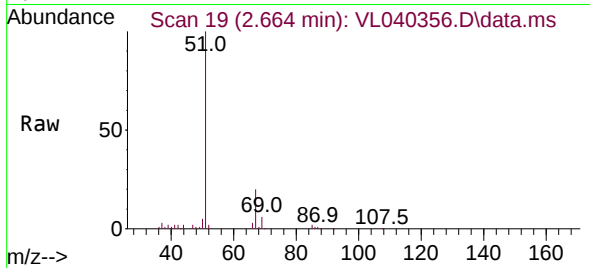




#3
Chlorodifluoromethane
Concen: 1.093 ppbv
RT: 2.664 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

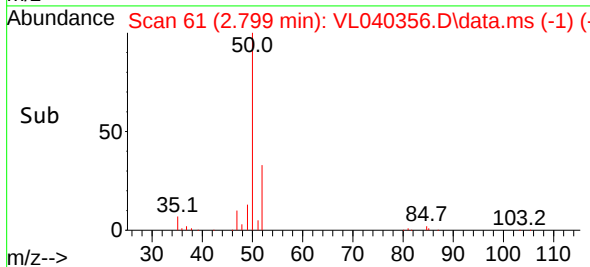
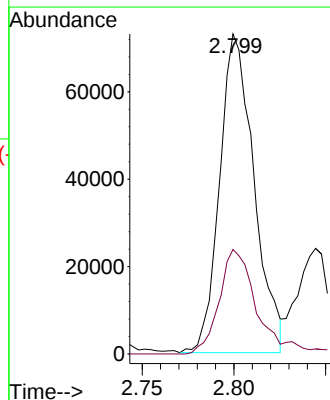
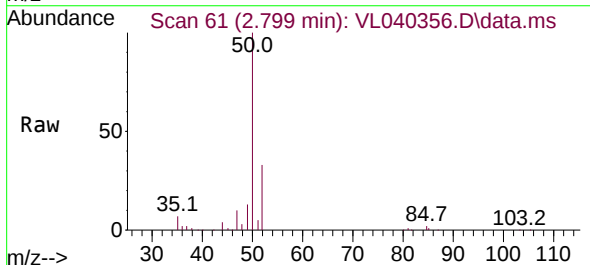
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

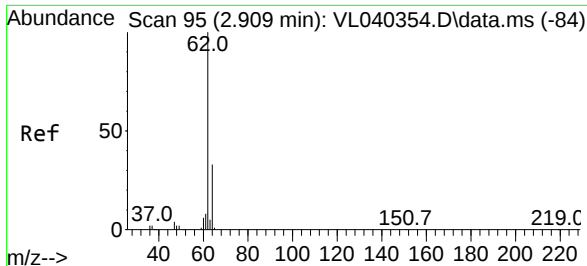
Tgt Ion: 51 Resp: 152096
Ion Ratio Lower Upper
51 100
67 19.8 15.5 23.3



#4
Chloromethane
Concen: 1.081 ppbv
RT: 2.799 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 50 Resp: 95059
Ion Ratio Lower Upper
50 100
52 32.8 25.3 37.9

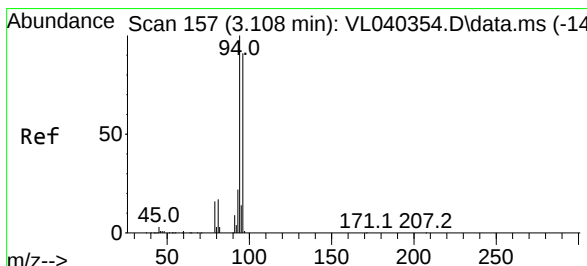
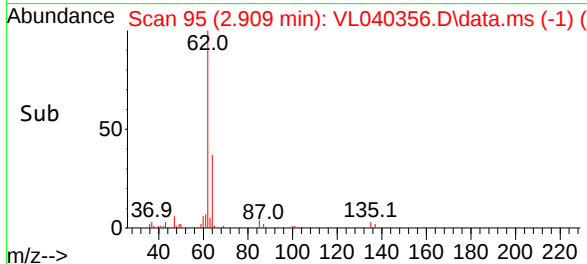
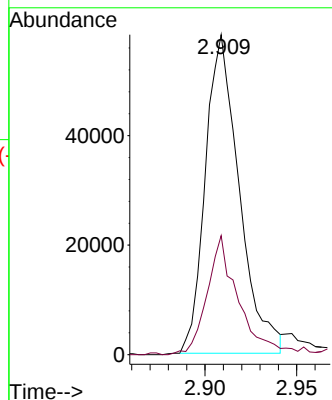
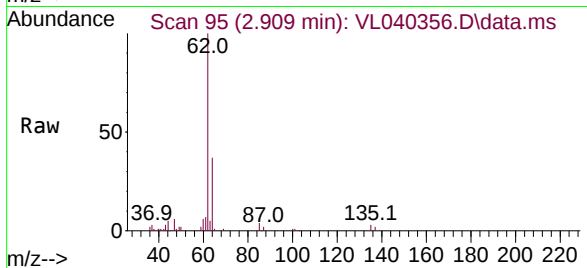




#5
 Vinyl Chloride
 Concen: 1.030 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

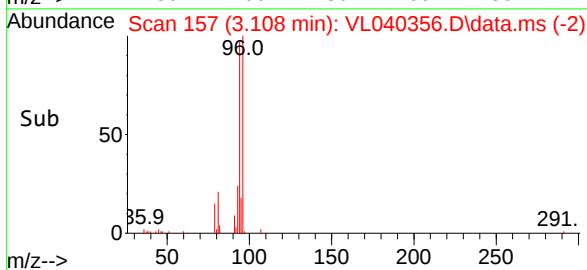
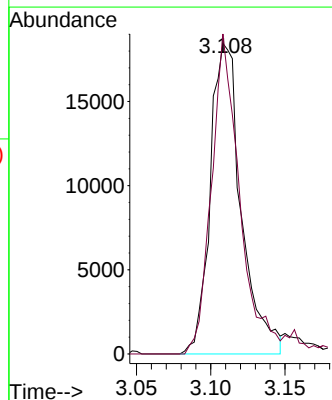
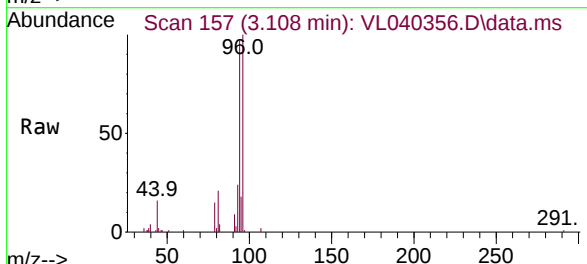
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

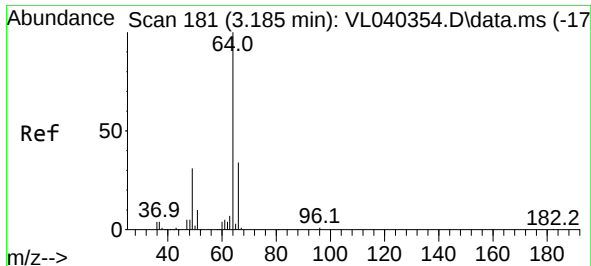
Tgt Ion: 62 Resp: 74742
 Ion Ratio Lower Upper
 62 100
 64 36.2 26.3 39.5



#6
 Bromomethane
 Concen: 1.123 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion: 94 Resp: 26856
 Ion Ratio Lower Upper
 94 100
 96 103.0 72.6 108.8

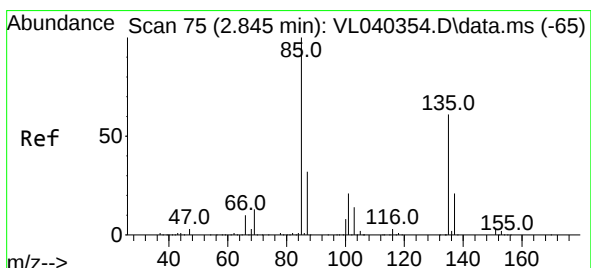
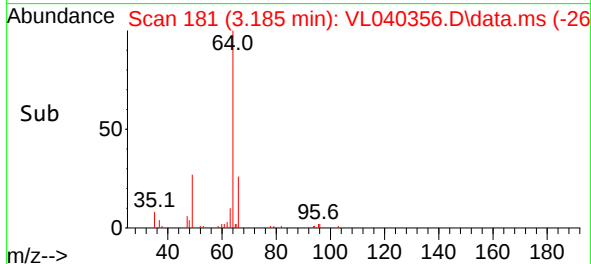
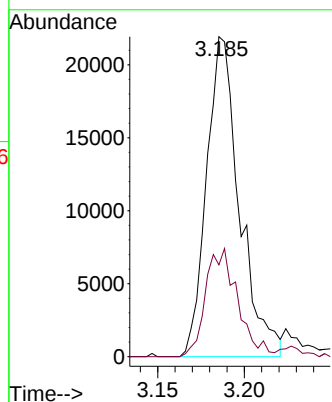
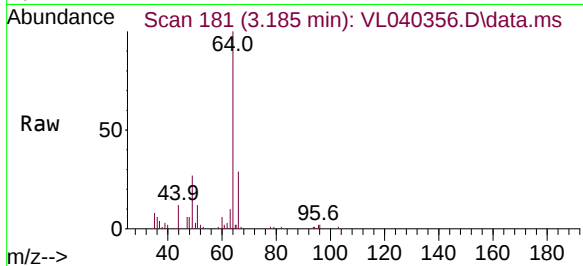




#7
Chloroethane
Concen: 1.056 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

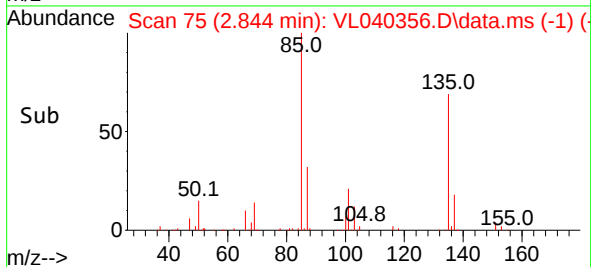
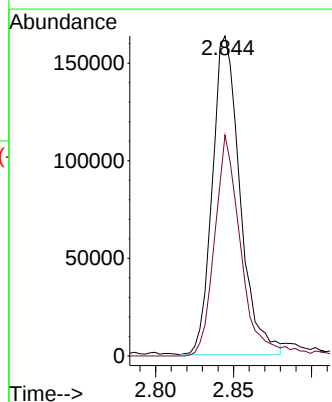
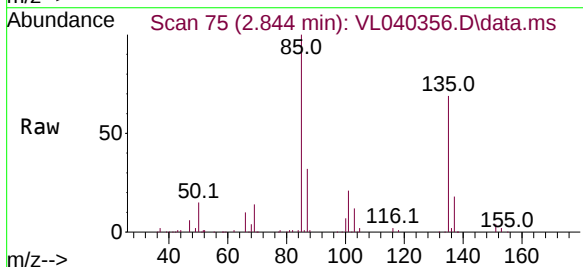
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

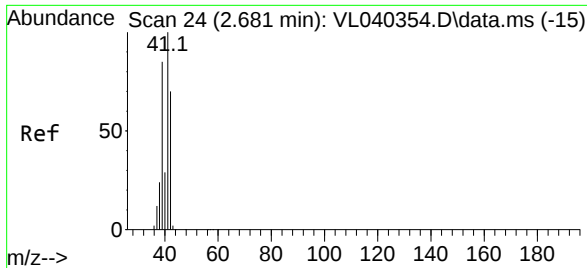
Tgt Ion: 64 Resp: 29016
Ion Ratio Lower Upper
64 100
66 28.7 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 1.073 ppbv
RT: 2.844 min Scan# 75
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 85 Resp: 201314
Ion Ratio Lower Upper
85 100
135 67.4 50.7 76.1





#9

Propene

Concen: 1.083 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

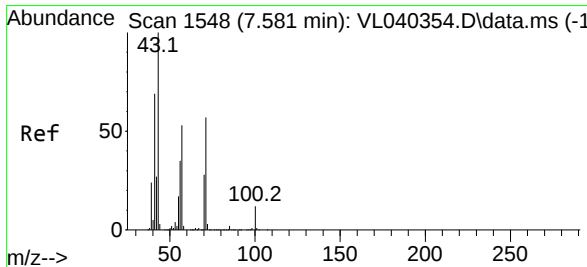
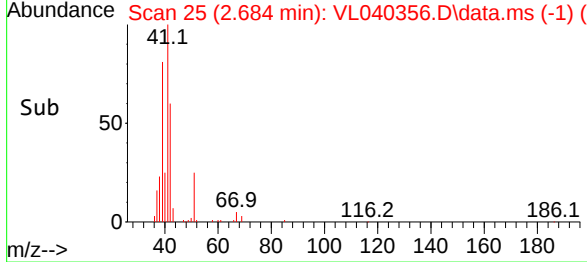
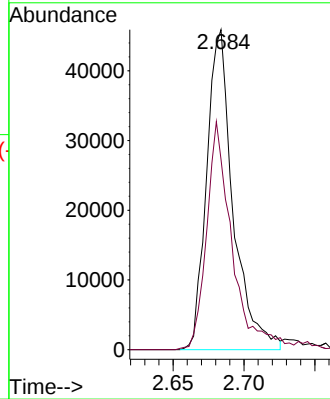
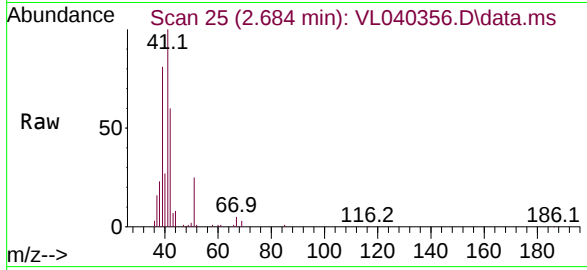
VSTDIC001

Tgt Ion: 41 Resp: 59544

Ion Ratio Lower Upper

41 100

42 70.2 56.5 84.7



#10

Heptane

Concen: 1.013 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.003 min

Lab File: VL040356.D

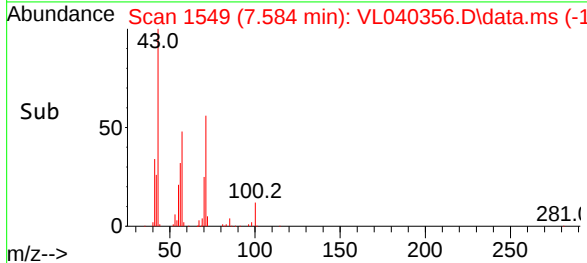
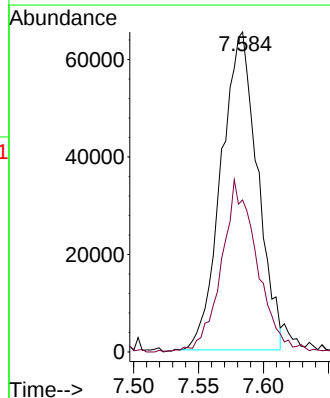
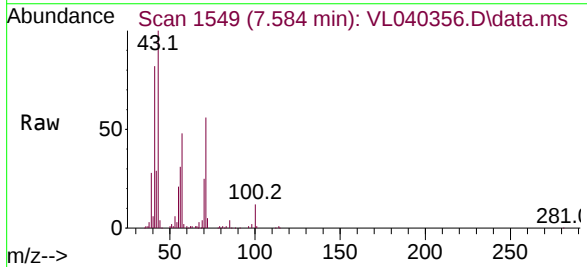
Acq: 13 Apr 2023 11:23

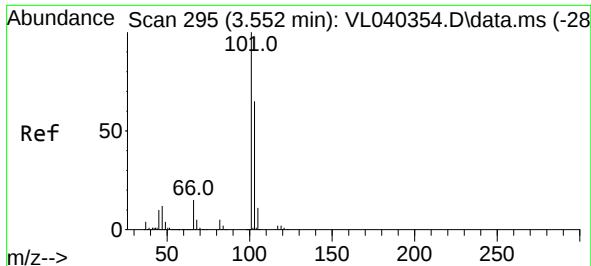
Tgt Ion: 43 Resp: 126625

Ion Ratio Lower Upper

43 100

57 53.5 42.2 63.4

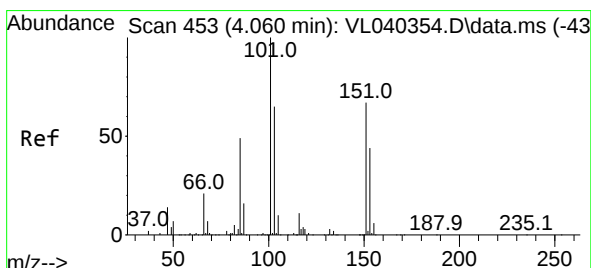
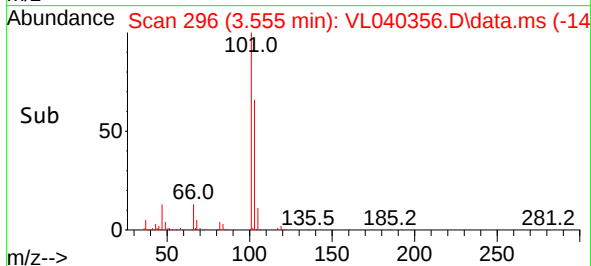
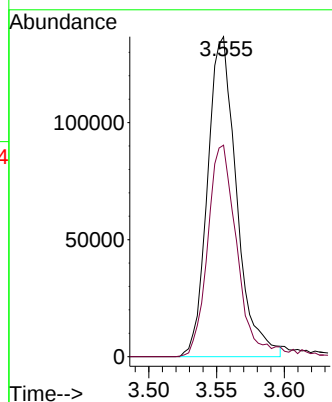
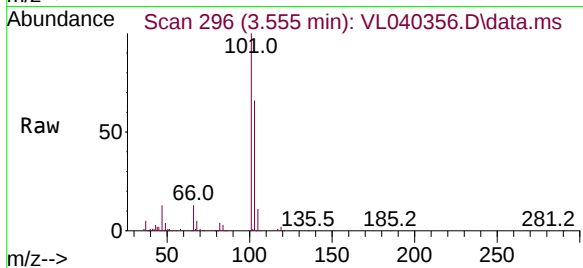




#11
 Trichlorofluoromethane
 Concen: 1.046 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

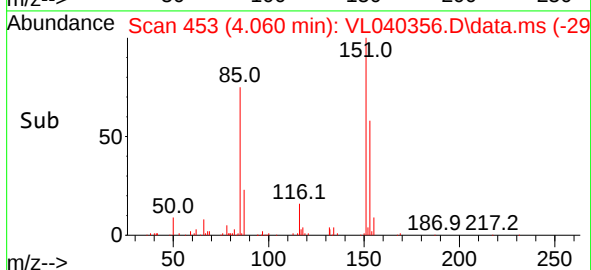
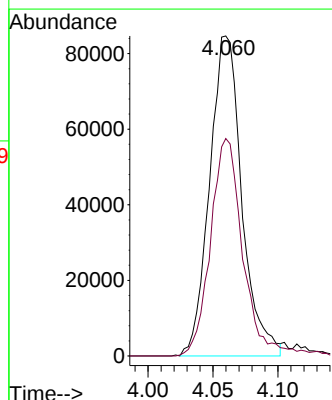
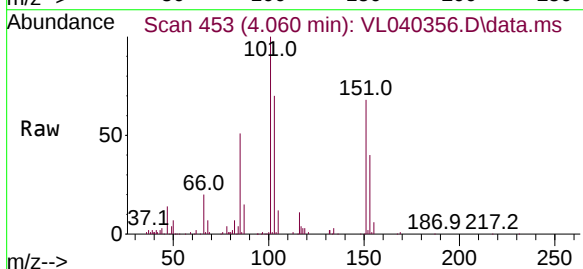
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

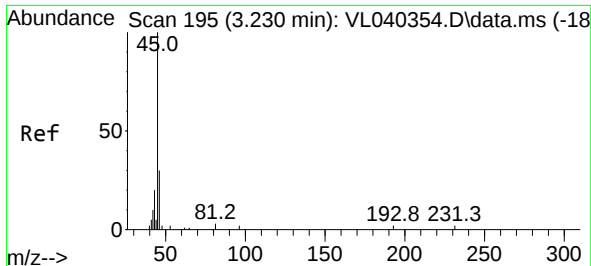
Tgt Ion:101 Resp: 203415
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.074 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion:101 Resp: 146080
 Ion Ratio Lower Upper
 101 100
 151 69.0 54.7 82.1

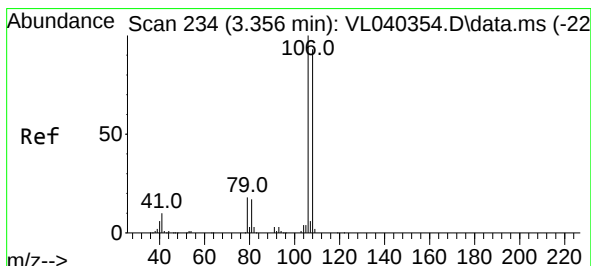
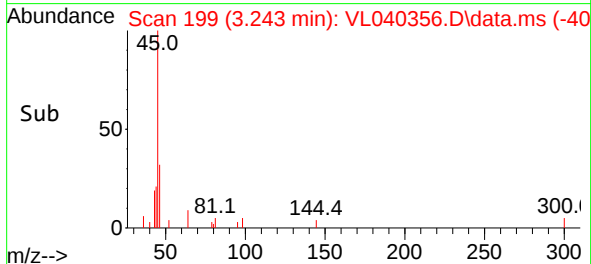
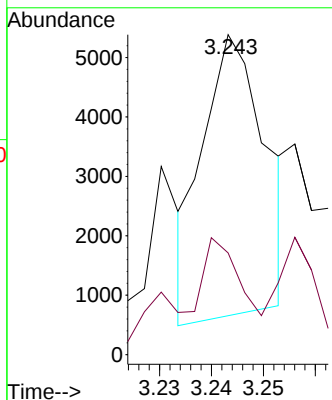
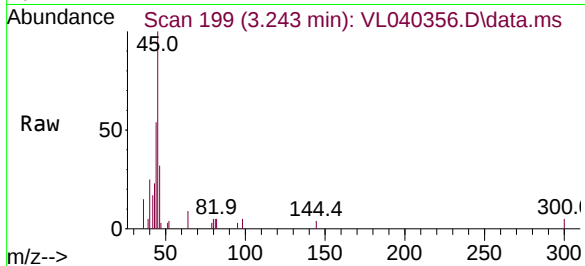




#13
 Ethanol
 Concen: 0.856 ppbv
 RT: 3.243 min Scan# 195
 Delta R.T. 0.013 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

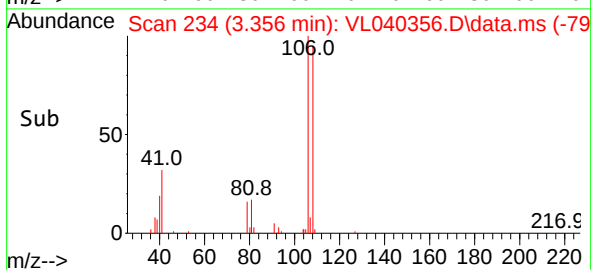
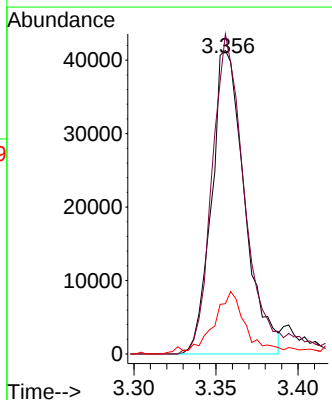
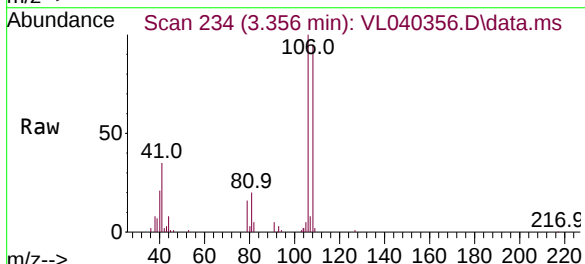
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

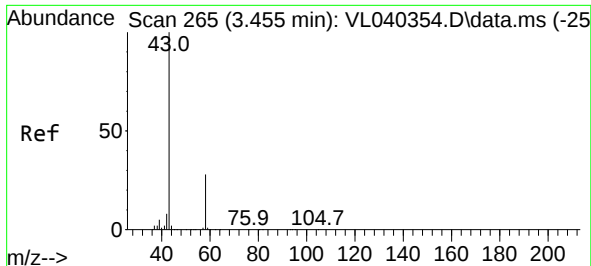
Tgt Ion: 45 Resp: 3928
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#



#14
 Bromoethene
 Concen: 1.036 ppbv
 RT: 3.356 min Scan# 234
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion: 108 Resp: 57610
 Ion Ratio Lower Upper
 108 100
 106 111.3 88.3 132.5
 79 23.6 16.1 24.1

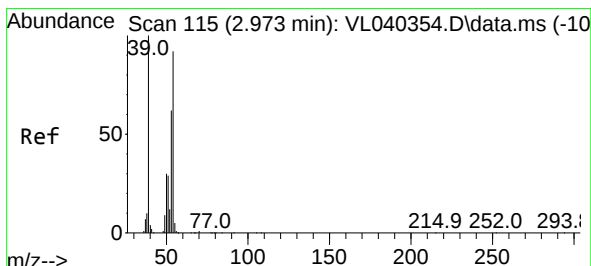
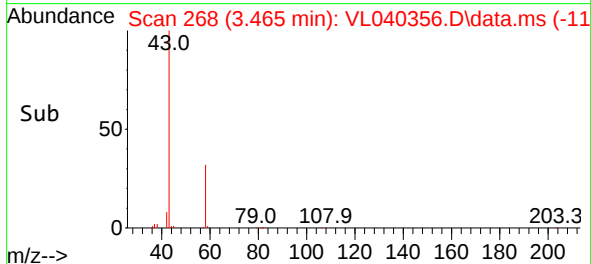
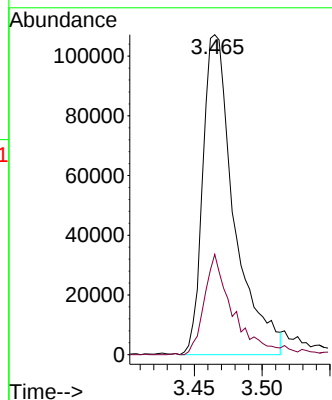
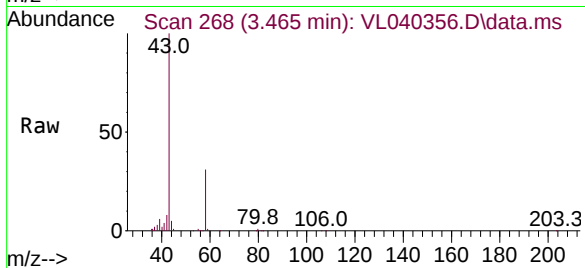




#15
Acetone
Concen: 1.141 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

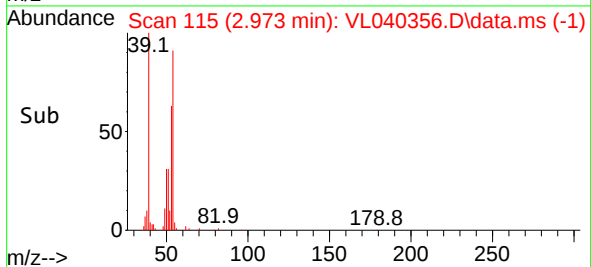
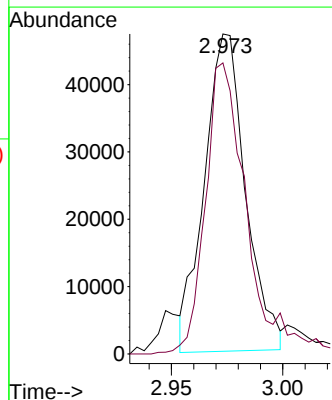
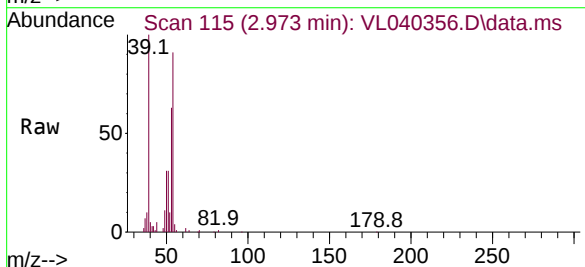
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

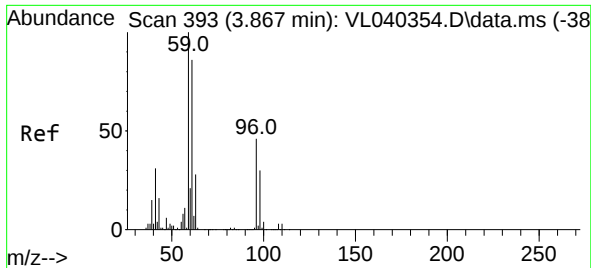
Tgt Ion: 43 Resp: 172168
Ion Ratio Lower Upper
43 100
58 29.9 22.2 33.2



#16
1,3-Butadiene
Concen: 0.973 ppbv
RT: 2.973 min Scan# 115
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 39 Resp: 60755
Ion Ratio Lower Upper
39 100
54 95.6 68.8 103.2

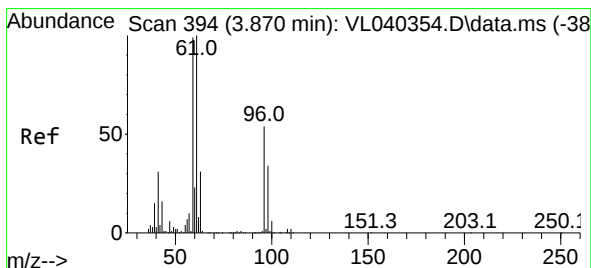
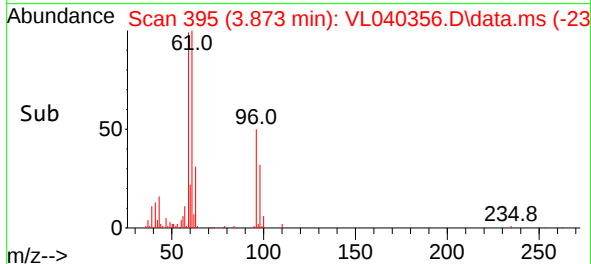
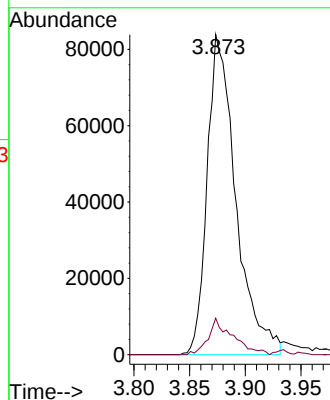
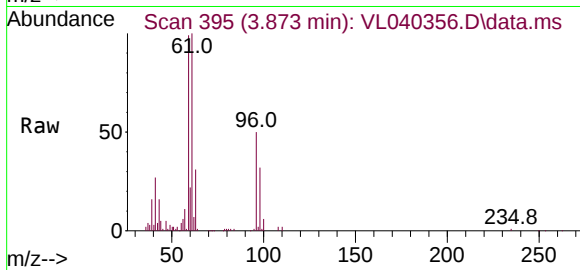




#17
tert-Butyl alcohol
Concen: 1.084 ppbv
RT: 3.873 min Scan# 393
Delta R.T. 0.006 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

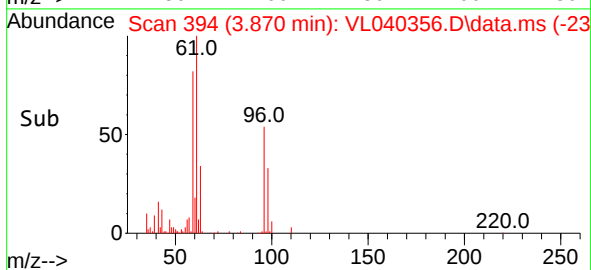
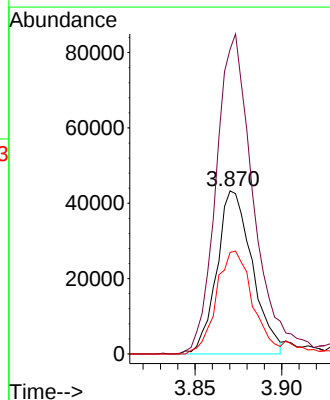
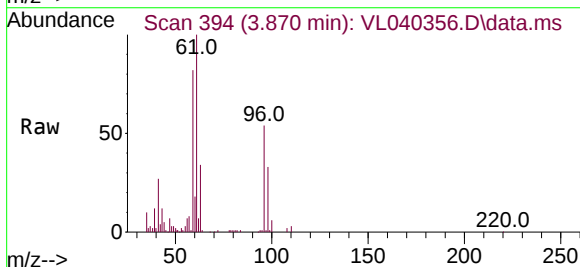
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

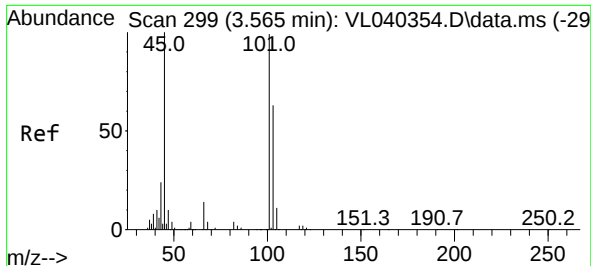
Tgt Ion: 59 Resp: 150090
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#18
1,1-Dichloroethene
Concen: 1.003 ppbv
RT: 3.870 min Scan# 394
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 96 Resp: 61505
Ion Ratio Lower Upper
96 100
61 186.4 148.3 222.5
98 62.4 49.8 74.8





#19

Isopropyl Alcohol

Concen: 0.971 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.013 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

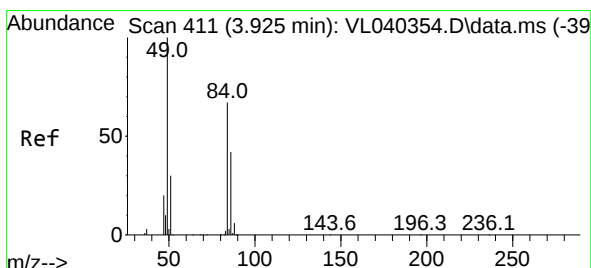
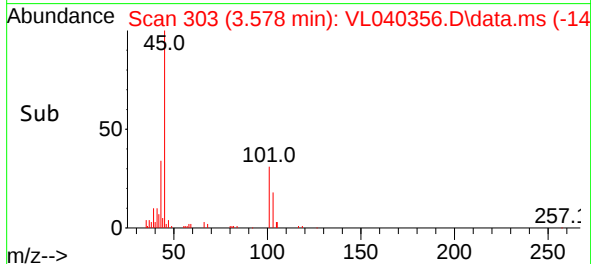
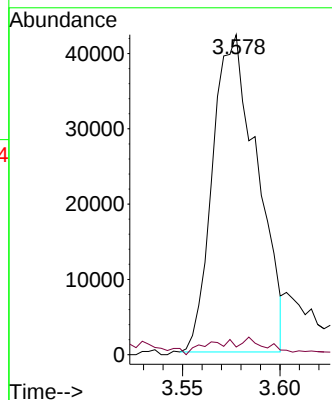
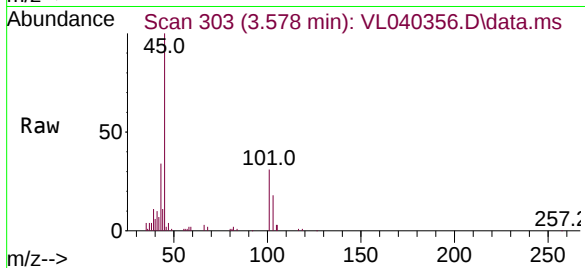
VSTDIC001

Tgt Ion: 45 Resp: 66854

Ion Ratio Lower Upper

45 100

58 7.9 2.6 4.0#



#20

Methylene Chloride

Concen: 1.147 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Tgt Ion: 84 Resp: 69100

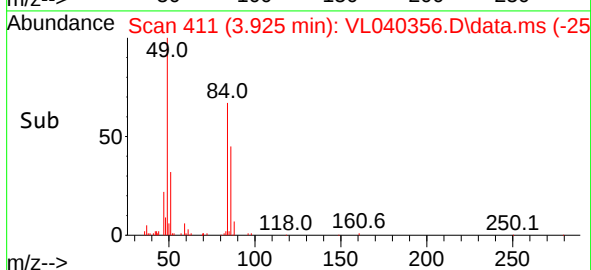
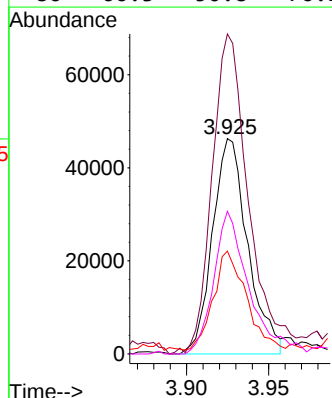
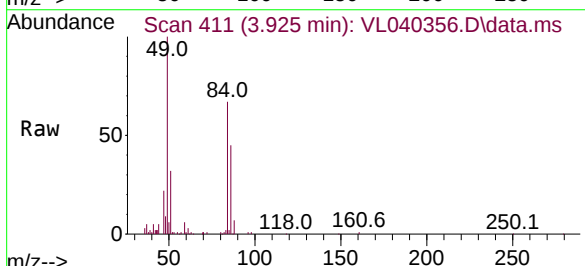
Ion Ratio Lower Upper

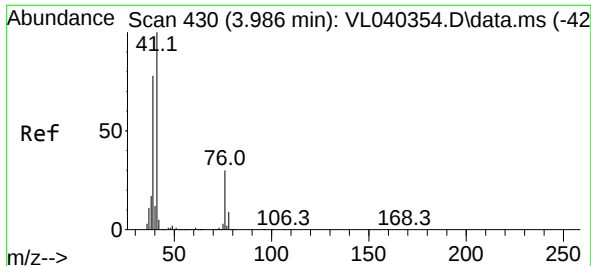
84 100

49 145.9 120.1 180.1

51 45.5 36.3 54.5

86 66.3 50.8 76.2

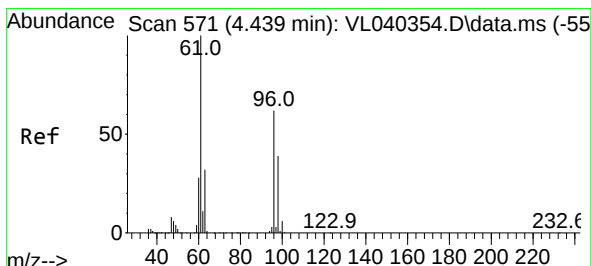
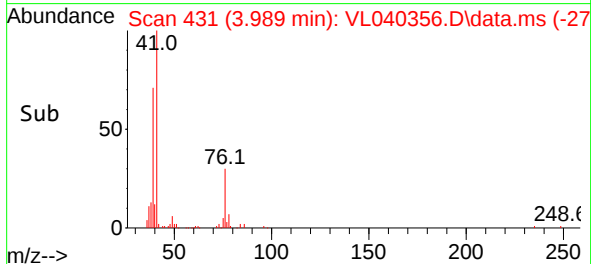
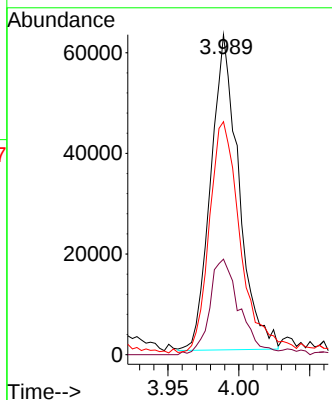
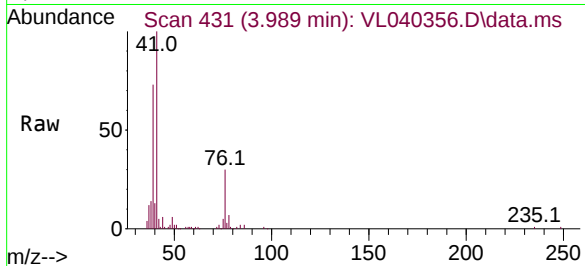




#21
 Allyl Chloride
 Concen: 1.006 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

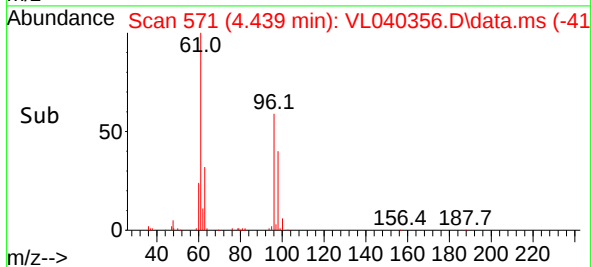
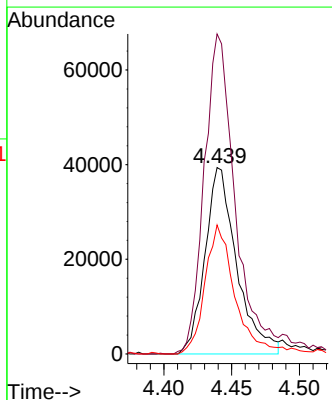
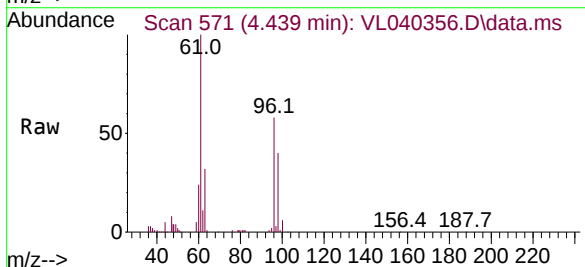
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

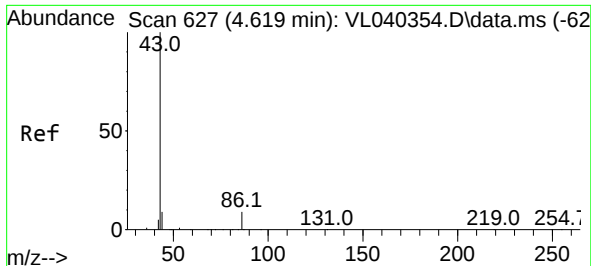
Tgt Ion: 41 Resp: 86241
 Ion Ratio Lower Upper
 41 100
 76 33.9 25.5 38.3
 39 85.4 64.0 96.0



#22
 trans-1,2-Dichloroethene
 Concen: 1.049 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion: 96 Resp: 64286
 Ion Ratio Lower Upper
 96 100
 61 170.3 129.4 194.2
 98 69.2 51.0 76.4



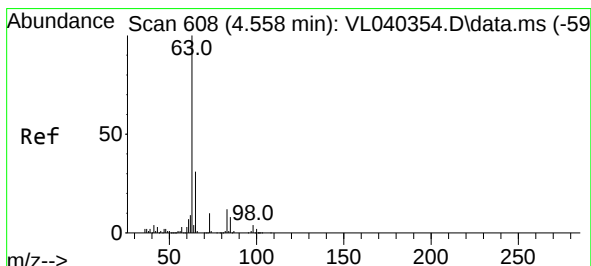
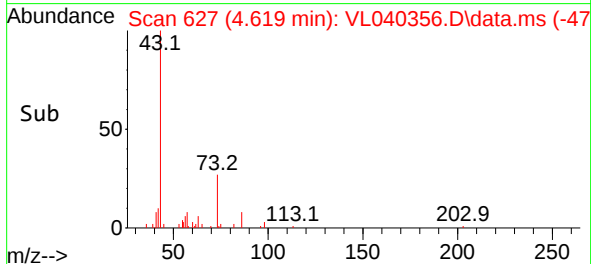
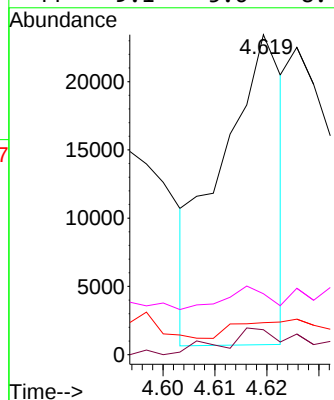
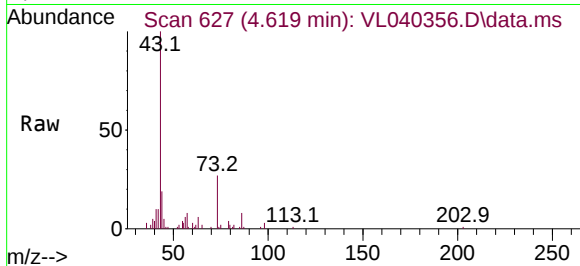


#23
 Vinyl Acetate
 Concen: 0.491 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 18842

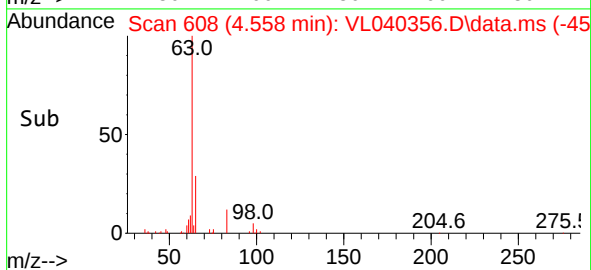
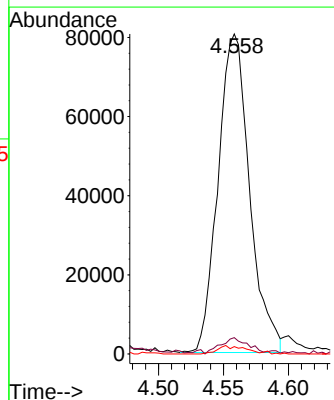
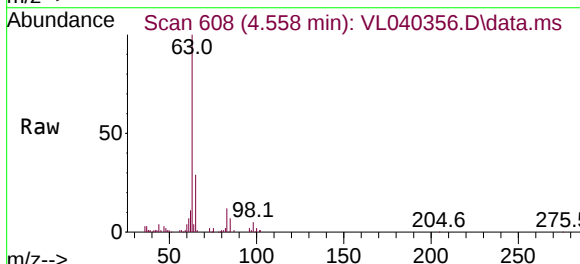
Ion	Ratio	Lower	Upper
43	100		
86	12.9	6.0	9.0#
42	7.1	6.4	9.6
44	9.1	5.6	8.4#

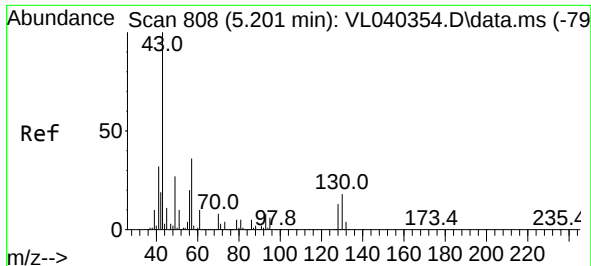


#24
 1,1-Dichloroethane
 Concen: 1.063 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion: 63 Resp: 135920

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.2
100	2.3	1.2	3.6





#25

Ethyl Acetate

Concen: 1.078 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 273618

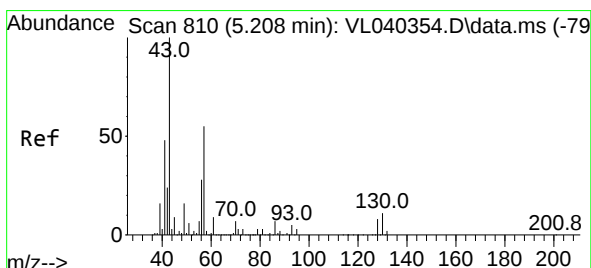
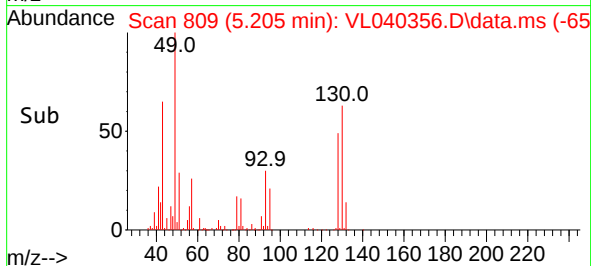
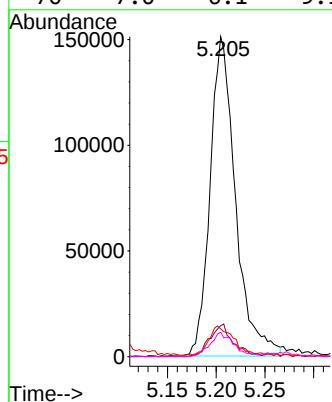
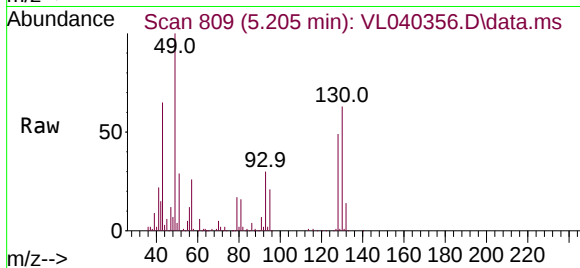
Ion Ratio Lower Upper

43 100

45 10.2 8.5 12.7

61 10.0 8.5 12.7

70 7.0 6.1 9.1



#26

Hexane

Concen: 1.038 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Tgt Ion: 57 Resp: 111104

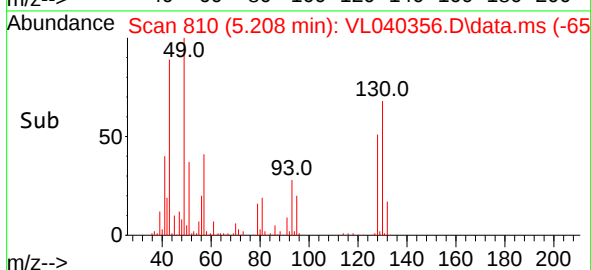
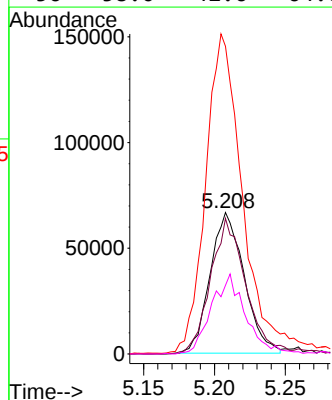
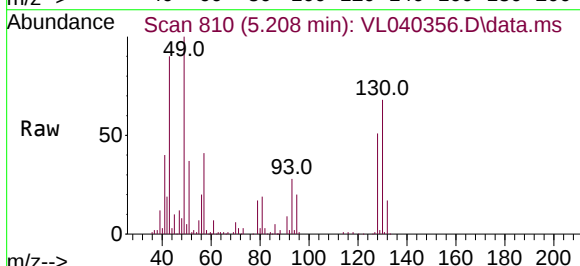
Ion Ratio Lower Upper

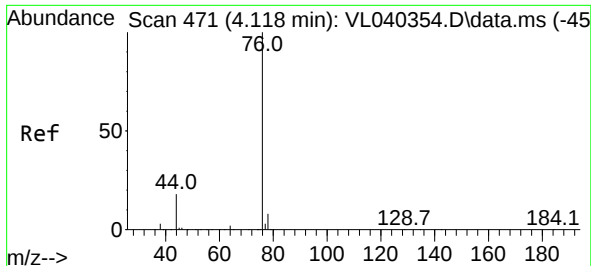
57 100

41 102.7 74.8 112.2

43 257.6 192.7 289.1

56 58.0 42.6 64.0

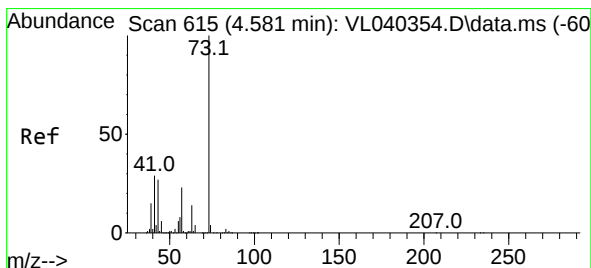
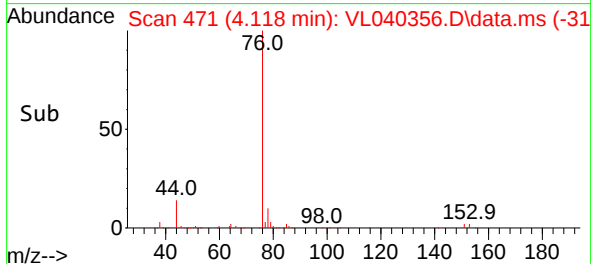
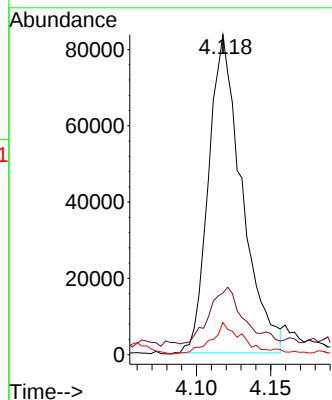
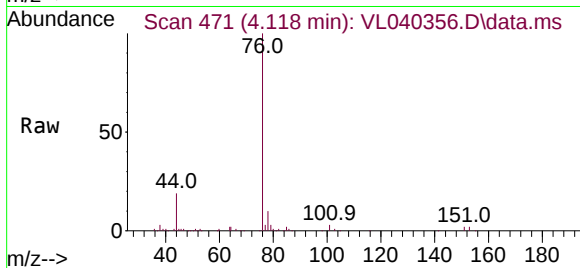




#27
Carbon Disulfide
Concen: 0.942 ppbv
RT: 4.118 min Scan# 411
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

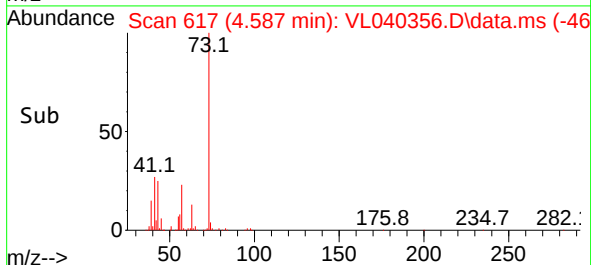
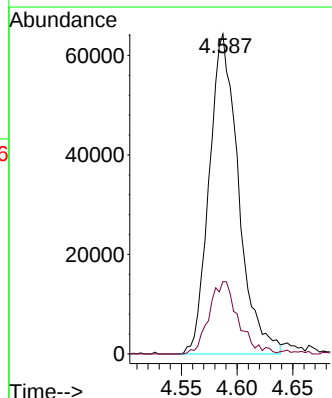
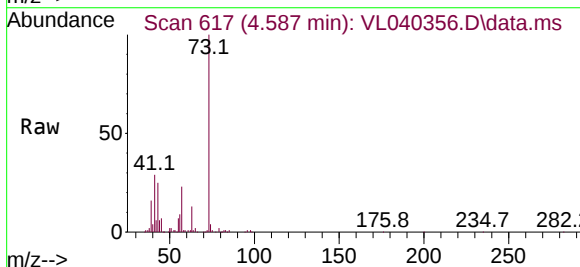
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

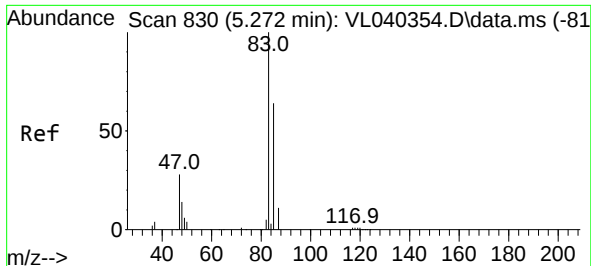
Tgt Ion: 76 Resp: 130483
Ion Ratio Lower Upper
76 100
44 22.0 14.7 22.1
78 11.2 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 1.066 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.006 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 73 Resp: 117727
Ion Ratio Lower Upper
73 100
57 23.3 18.6 27.8





#29

Chloroform

Concen: 1.052 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

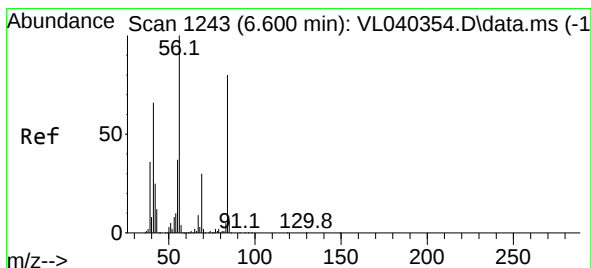
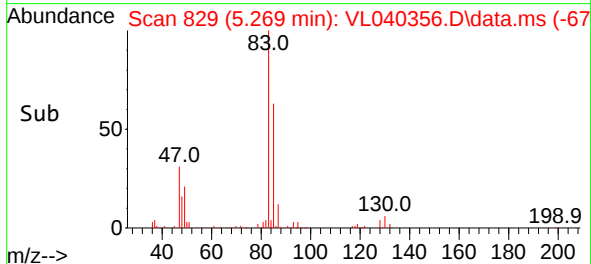
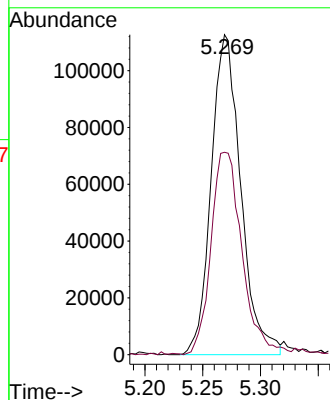
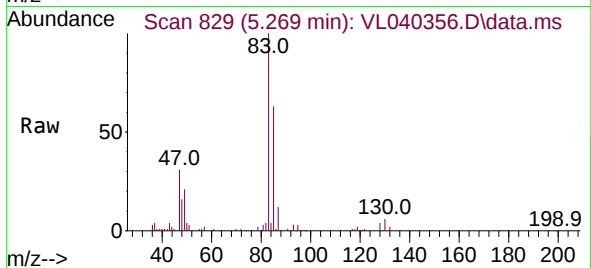
VSTDIC001

Tgt Ion: 83 Resp: 200514

Ion Ratio Lower Upper

83 100

85 63.0 51.0 76.4



#30

Cyclohexane

Concen: 0.983 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

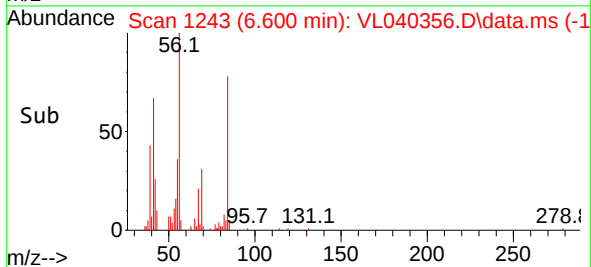
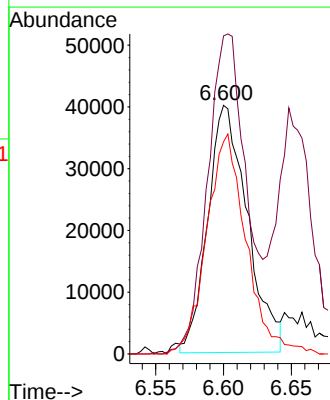
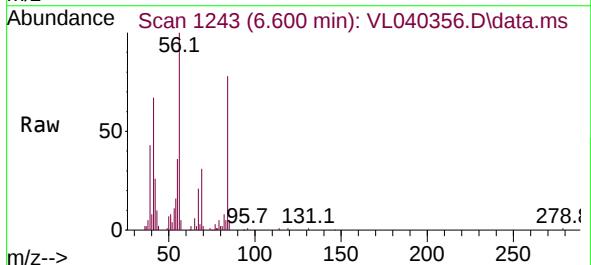
Tgt Ion: 84 Resp: 81470

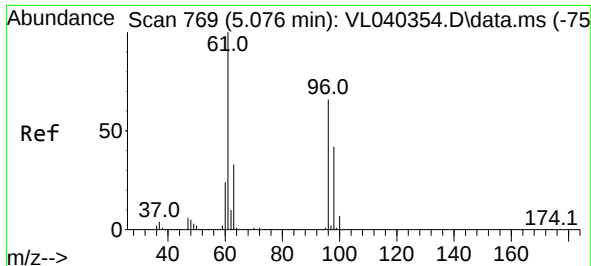
Ion Ratio Lower Upper

84 100

56 125.7 107.0 160.6

41 88.6 66.7 100.1

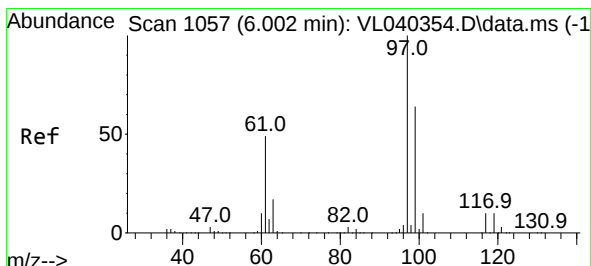
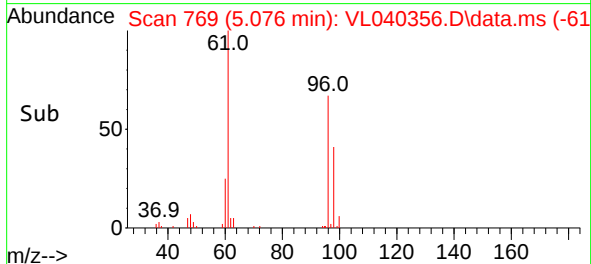
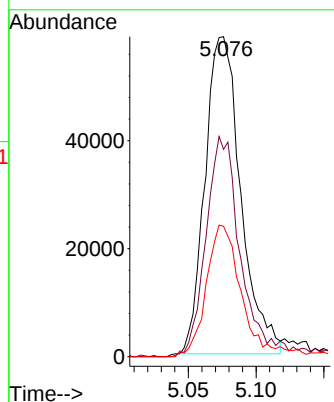
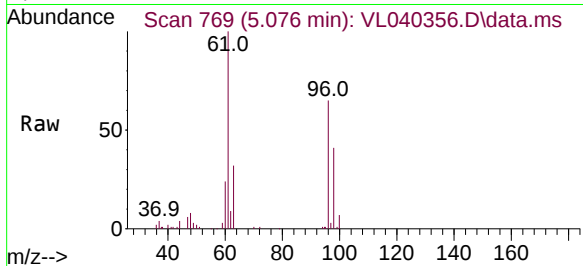




#31
 cis-1,2-Dichloroethene
 Concen: 1.017 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

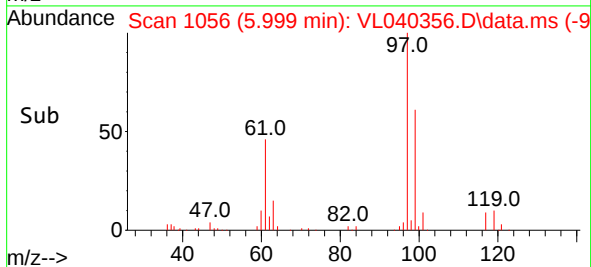
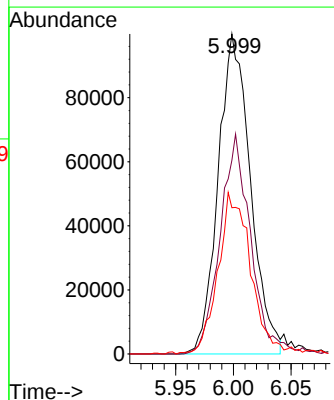
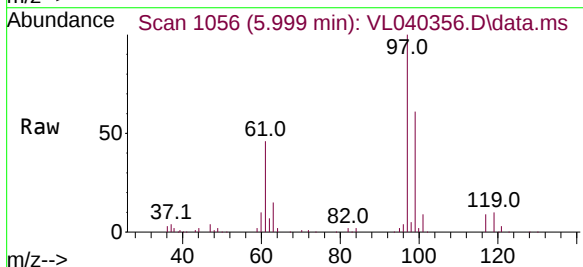
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

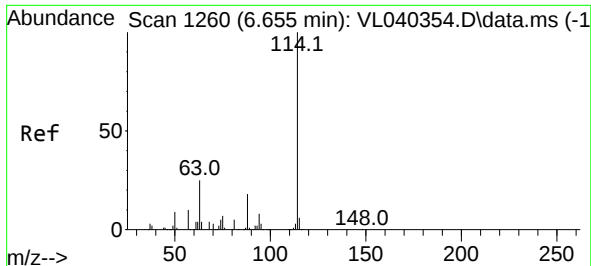
Tgt Ion: 61 Resp: 107830
 Ion Ratio Lower Upper
 61 100
 96 64.1 53.0 79.4
 98 39.3 33.8 50.8



#32
 1,1,1-Trichloroethane
 Concen: 1.048 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion: 97 Resp: 194071
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.8 77.8
 61 51.8 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

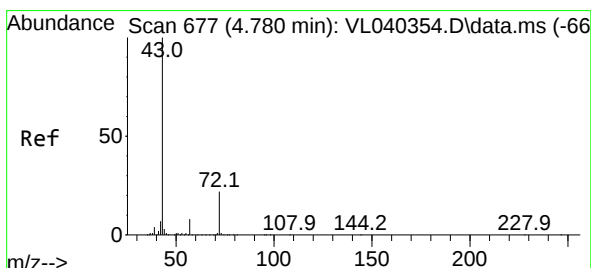
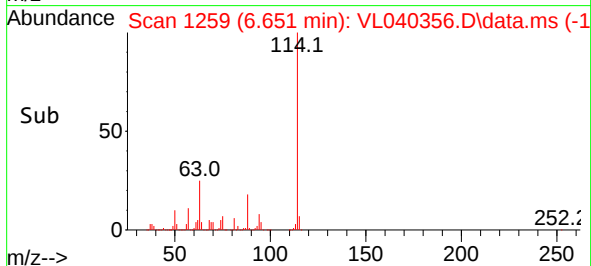
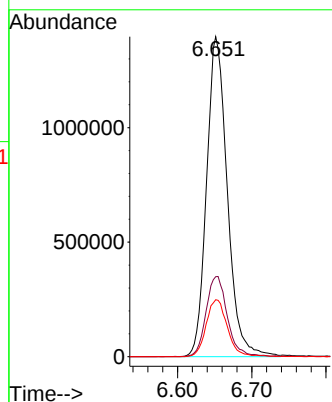
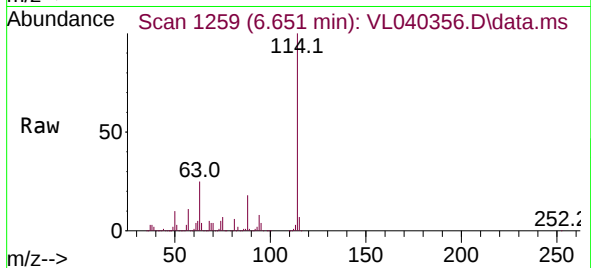
Tgt Ion:114 Resp: 2707910

Ion Ratio Lower Upper

114 100

63 26.1 21.4 32.0

88 18.3 14.6 22.0



#34

2-Butanone

Concen: 1.041 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.006 min

Lab File: VL040356.D

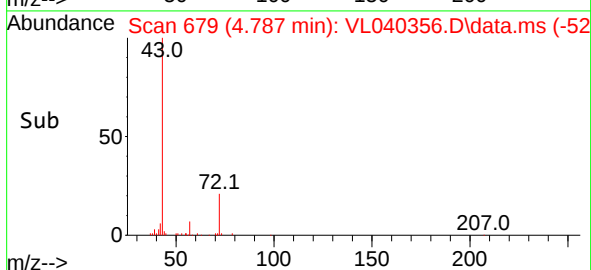
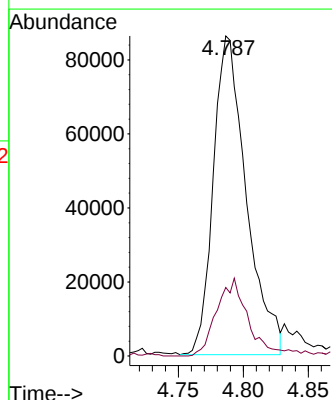
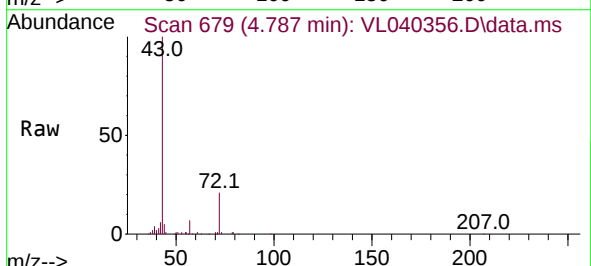
Acq: 13 Apr 2023 11:23

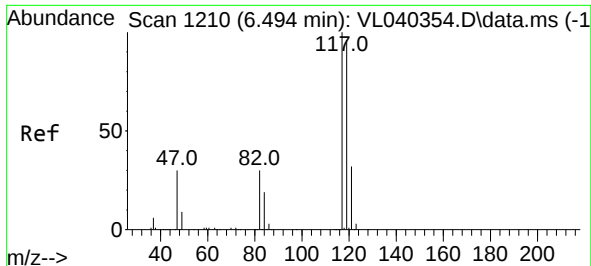
Tgt Ion: 43 Resp: 151994

Ion Ratio Lower Upper

43 100

72 24.8 18.4 27.6

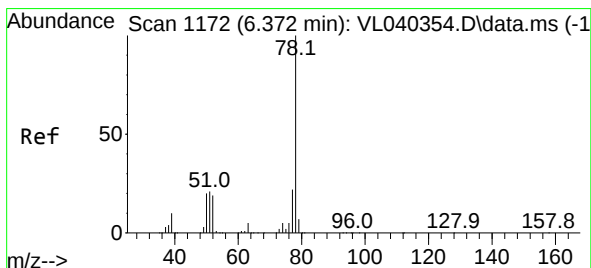
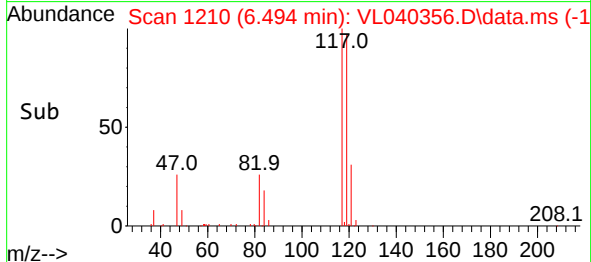
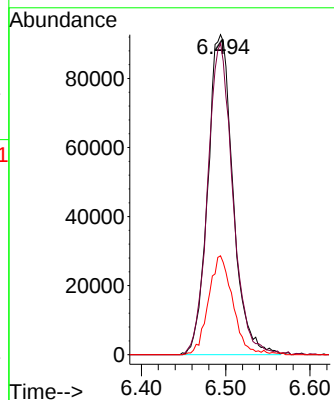
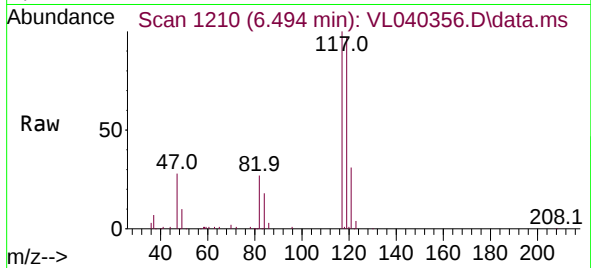




#35
Carbon Tetrachloride
Concen: 1.008 ppbv
RT: 6.494 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

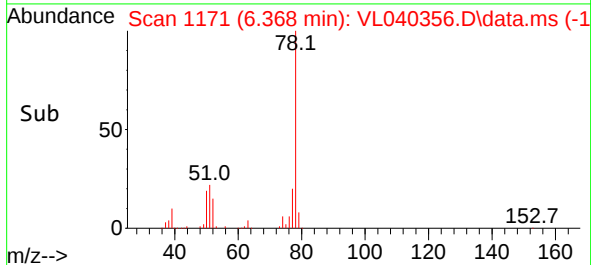
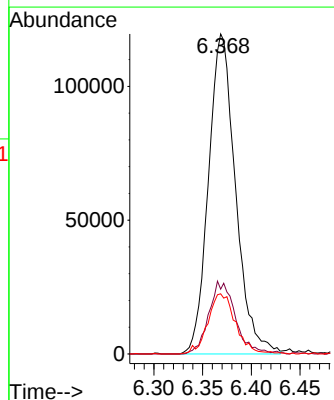
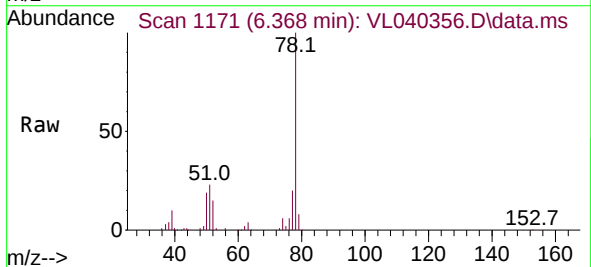
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

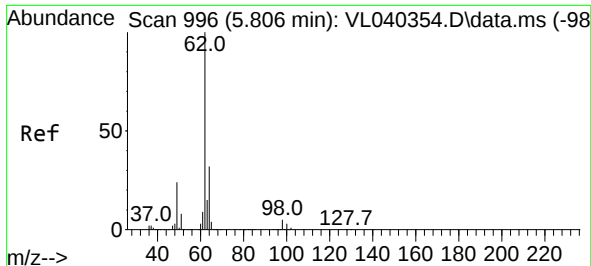
Tgt Ion:117 Resp: 192185
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
121 30.9 25.3 37.9



#36
Benzene
Concen: 1.047 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 78 Resp: 231282
Ion Ratio Lower Upper
78 100
77 20.3 17.8 26.8
50 18.8 15.6 23.4

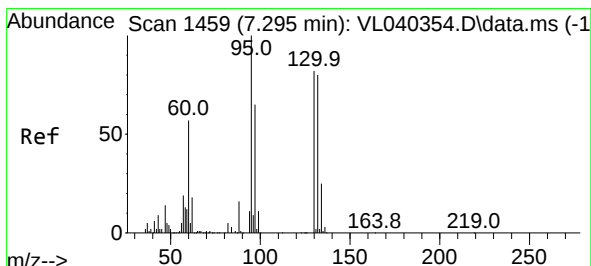
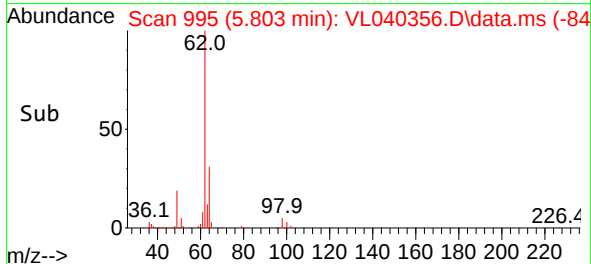
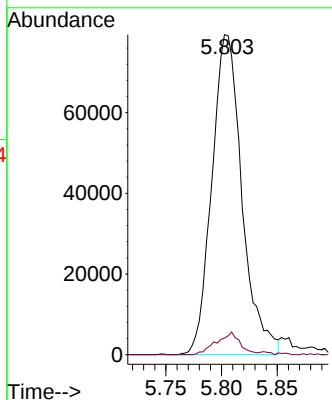
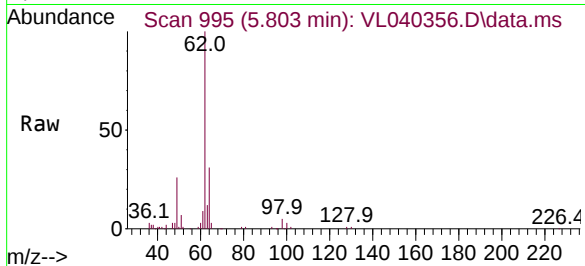




#37
1,2-Dichloroethane
Concen: 1.029 ppbv
RT: 5.803 min Scan# 996
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

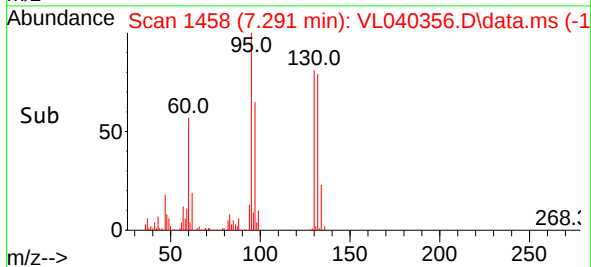
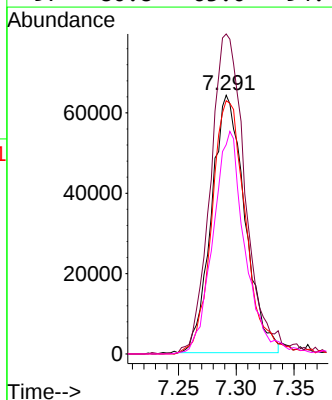
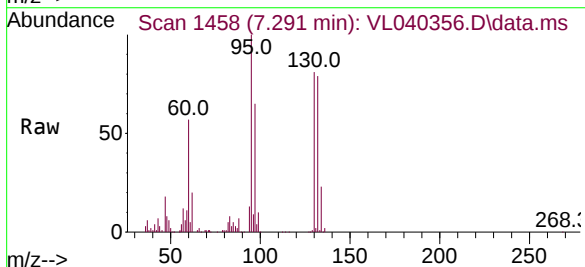
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

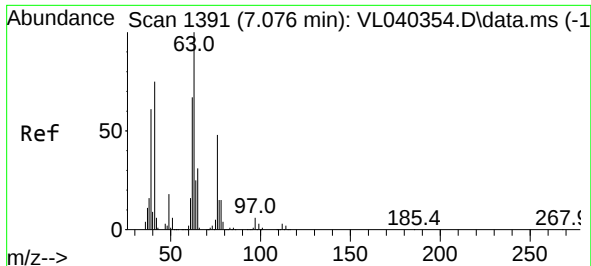
Tgt Ion: 62 Resp: 149332
Ion Ratio Lower Upper
62 100
98 6.1 4.4 6.6



#38
Trichloroethene
Concen: 1.029 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion:130 Resp: 129416
Ion Ratio Lower Upper
130 100
95 123.8 97.4 146.0
132 97.9 77.5 116.3
97 80.8 63.0 94.4





#39

1,2-Dichloropropane

Concen: 1.016 ppbv

RT: 7.076 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

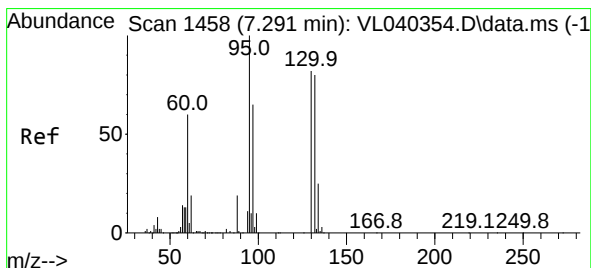
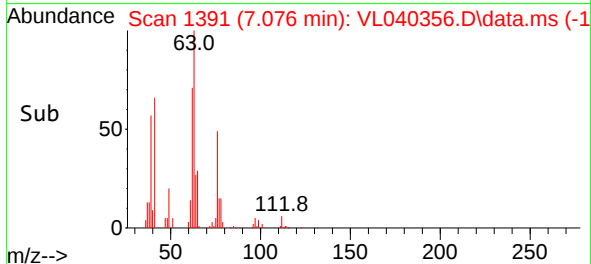
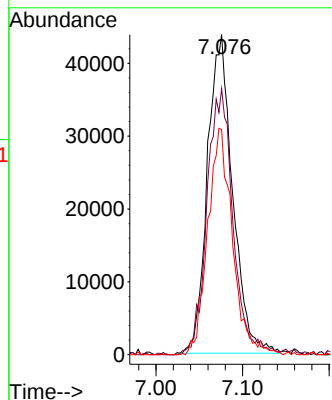
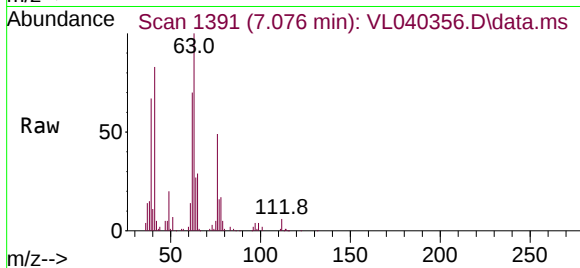
Tgt Ion: 63 Resp: 88332

Ion Ratio Lower Upper

63 100

41 83.1 59.6 89.4

62 70.7 53.9 80.9



#40

1,4-Dioxane

Concen: 0.403 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.013 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Tgt Ion: 88 Resp: 13422

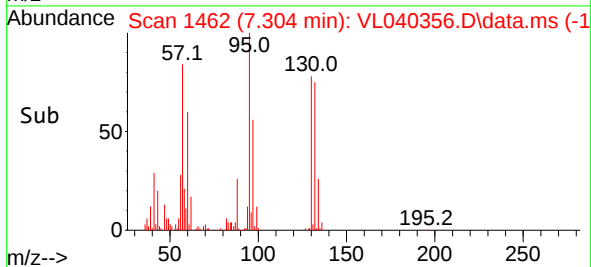
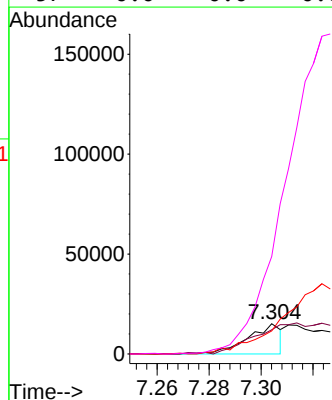
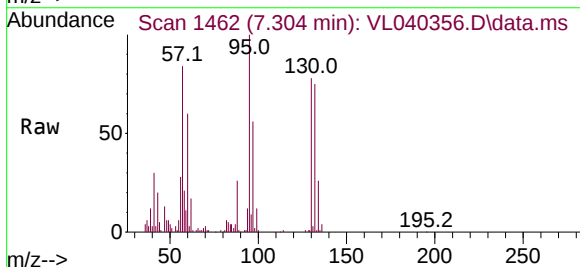
Ion Ratio Lower Upper

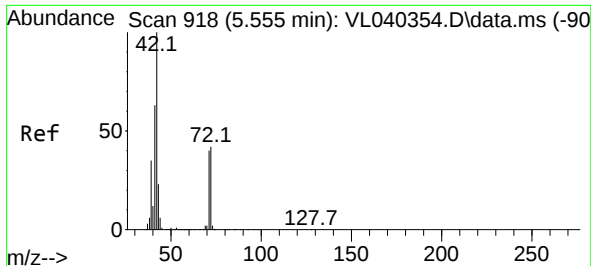
88 100

58 0.0 100.8 151.2#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

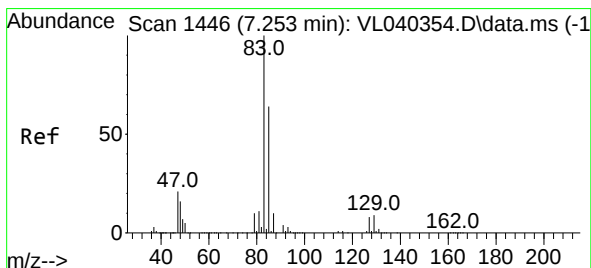
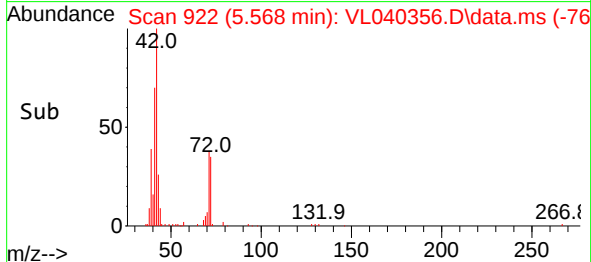
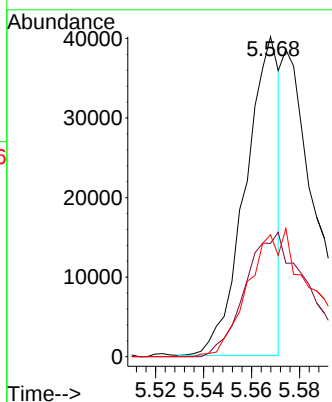
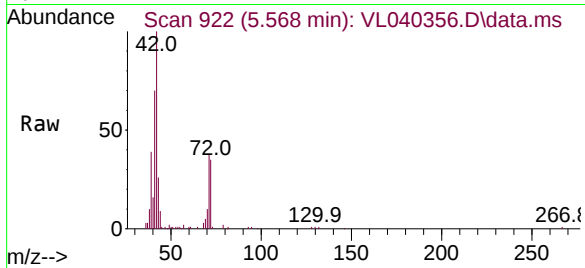




#41
Tetrahydrofuran
Concen: 0.492 ppbv
RT: 5.568 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

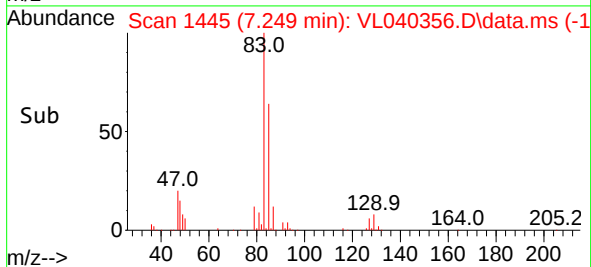
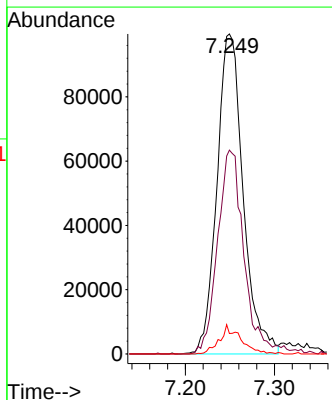
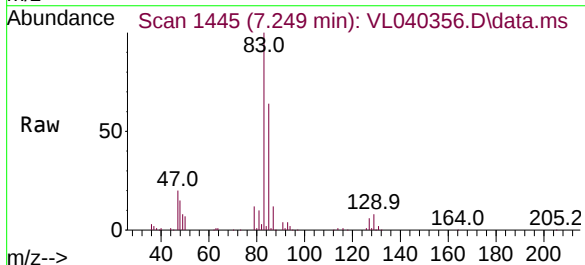
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

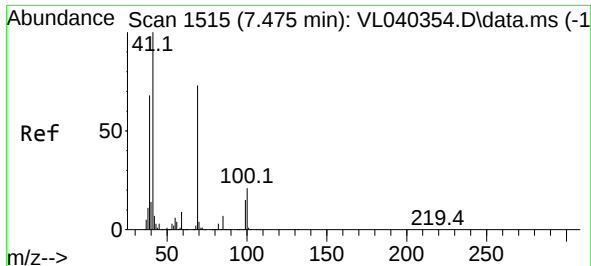
Tgt Ion: 42 Resp: 39347
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.2 48.2#



#42
Bromodichloromethane
Concen: 1.029 ppbv
RT: 7.249 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 83 Resp: 204011
Ion Ratio Lower Upper
83 100
85 63.7 50.9 76.3
127 6.4 6.4 9.6

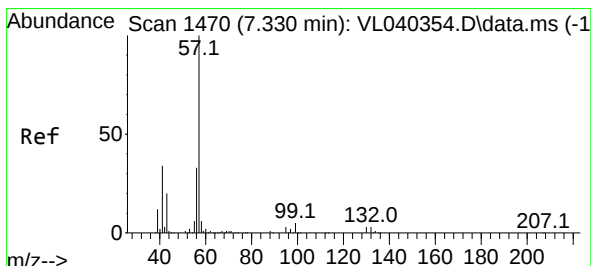
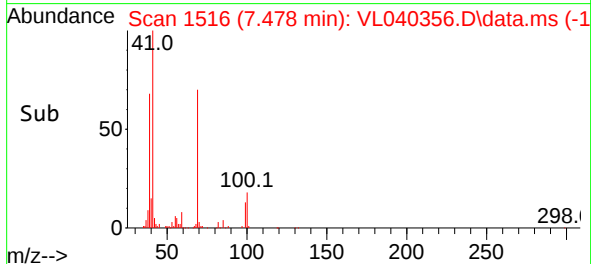
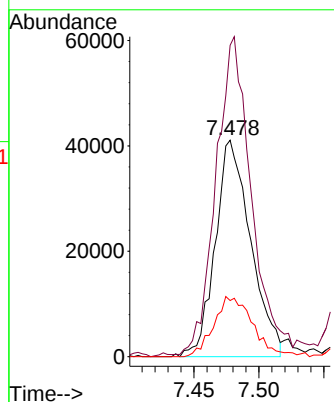
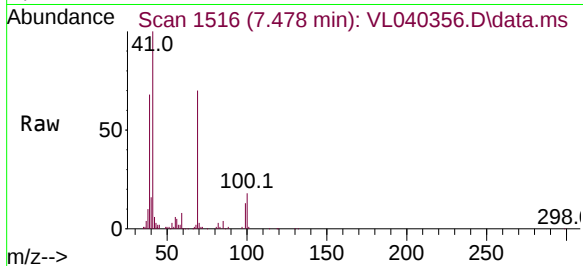




#43
Methyl Methacrylate
Concen: 0.949 ppbv
RT: 7.478 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

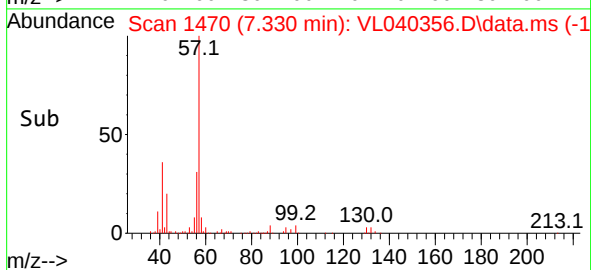
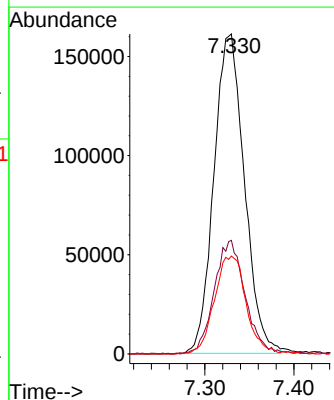
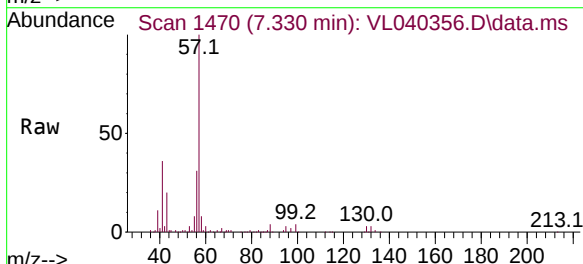
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

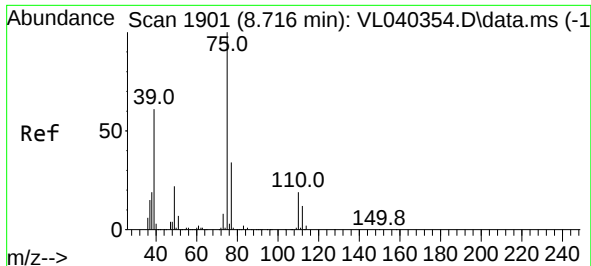
Tgt Ion: 69 Resp: 77841
Ion Ratio Lower Upper
69 100
41 151.8 114.3 171.5
100 30.8 24.5 36.7



#44
2,2,4-Trimethylpentane
Concen: 1.037 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 57 Resp: 382791
Ion Ratio Lower Upper
57 100
41 36.3 26.9 40.3
56 32.1 25.1 37.7

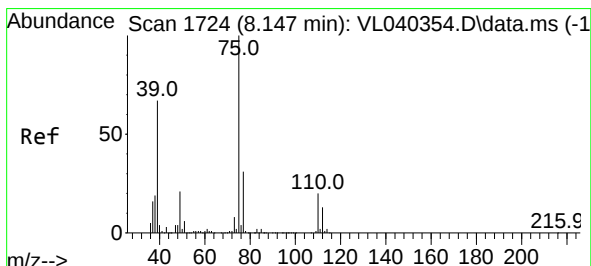
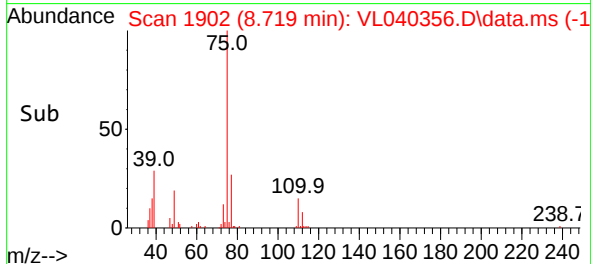
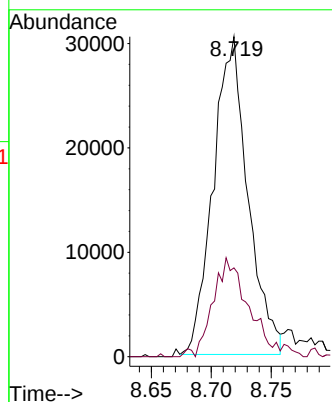
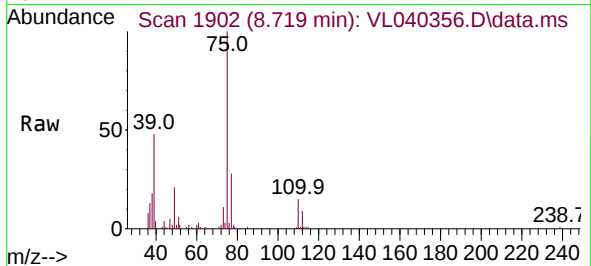




#45
 t-1,3-Dichloropropene
 Concen: 0.834 ppbv
 RT: 8.719 min Scan# 1901
 Delta R.T. 0.003 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

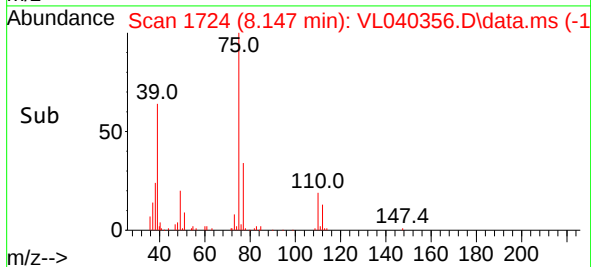
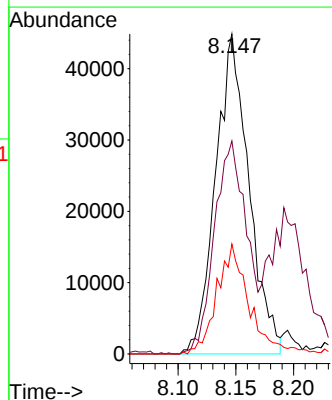
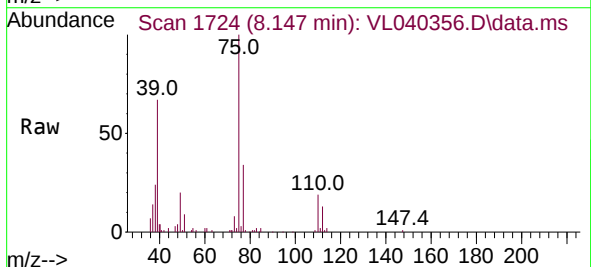
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

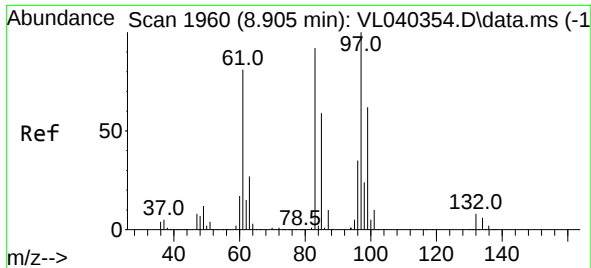
Tgt Ion: 75 Resp: 61106
 Ion Ratio Lower Upper
 75 100
 77 27.7 26.8 40.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.881 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. -0.000 min
 Lab File: VL040356.D
 Acq: 13 Apr 2023 11:23

Tgt Ion: 75 Resp: 89898
 Ion Ratio Lower Upper
 75 100
 39 66.6 53.4 80.2
 77 34.4 24.7 37.1

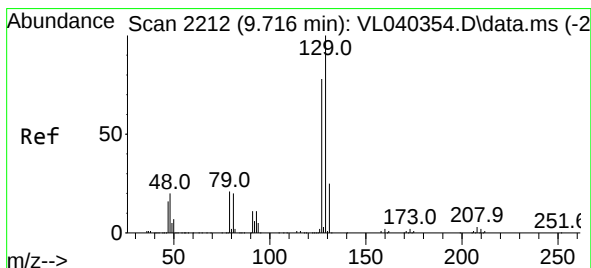
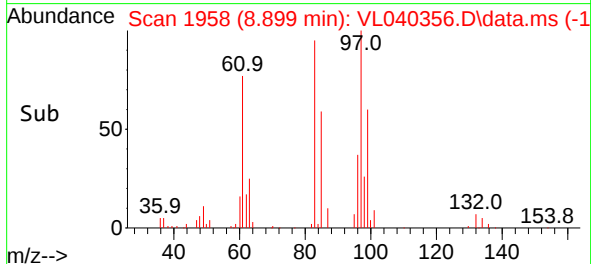
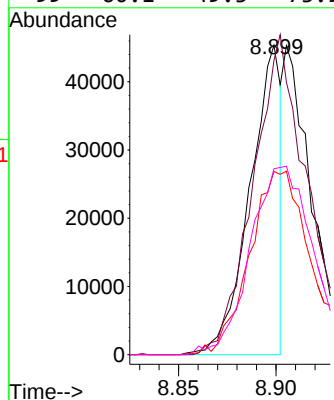
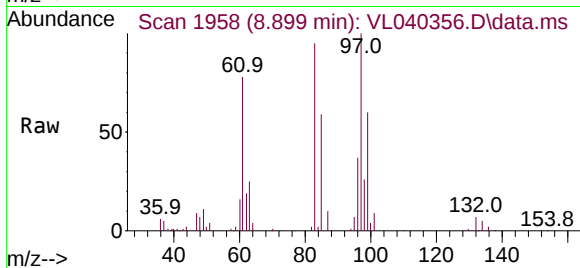




#47
1,1,2-Trichloroethane
Concen: 0.526 ppbv
RT: 8.899 min Scan# 1960
Delta R.T. -0.007 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

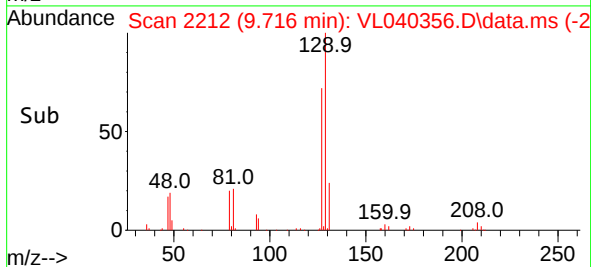
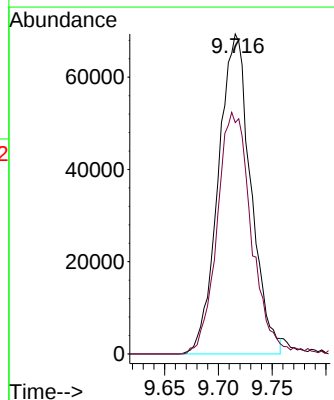
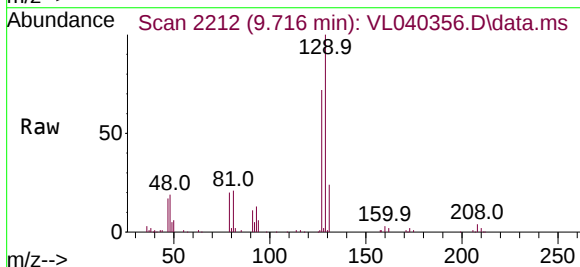
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

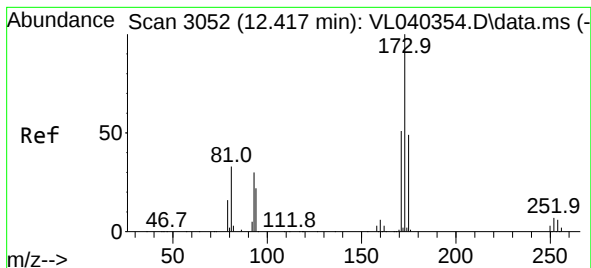
Tgt Ion:	97	Resp:	50098
Ion	Ratio	Lower	Upper
97	100		
83	95.1	73.3	109.9
85	59.2	46.9	70.3
99	60.1	49.3	73.9



#48
Dibromochloromethane
Concen: 0.952 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion:	129	Resp:	146070
Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.2	117.6





#49

Bromoform

Concen: 0.897 ppbv

RT: 12.416 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

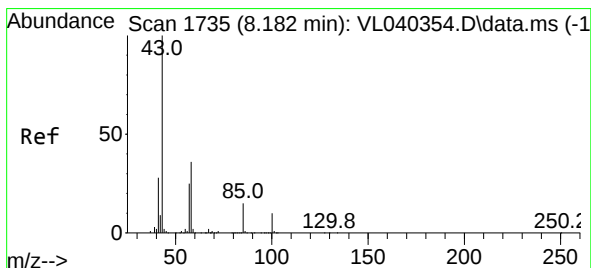
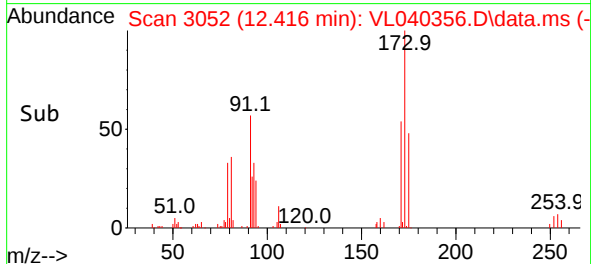
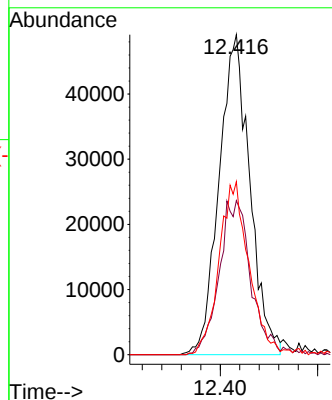
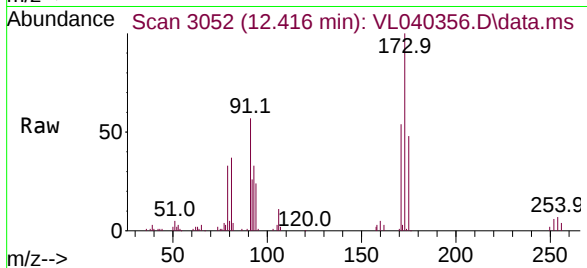
Tgt Ion:173 Resp: 107403

Ion Ratio Lower Upper

173 100

175 50.6 39.8 59.8

171 53.4 42.2 63.2



#50

4-Methyl-2-Pentanone

Concen: 0.973 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.013 min

Lab File: VL040356.D

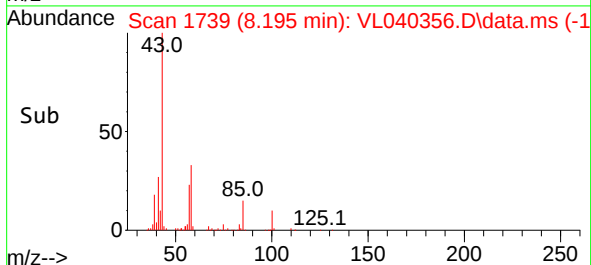
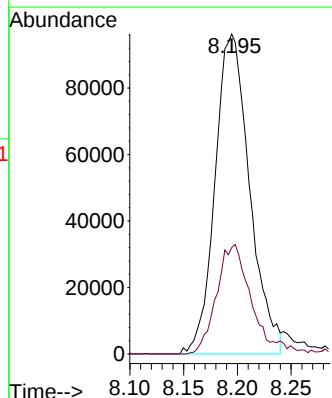
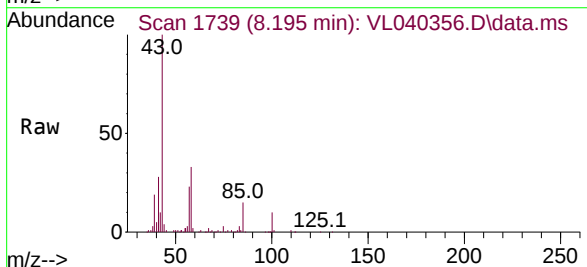
Acq: 13 Apr 2023 11:23

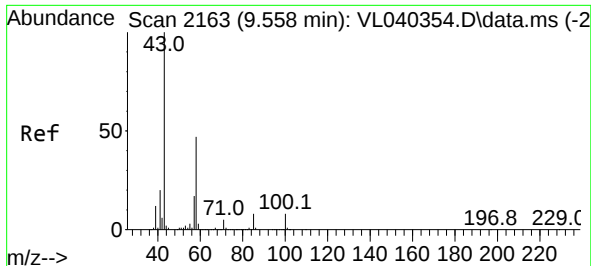
Tgt Ion: 43 Resp: 215329

Ion Ratio Lower Upper

43 100

58 34.8 28.6 43.0

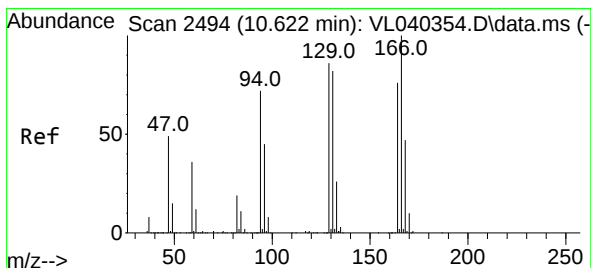
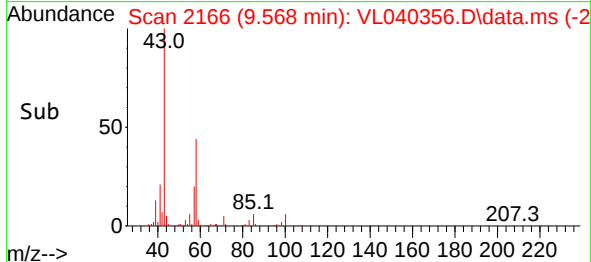
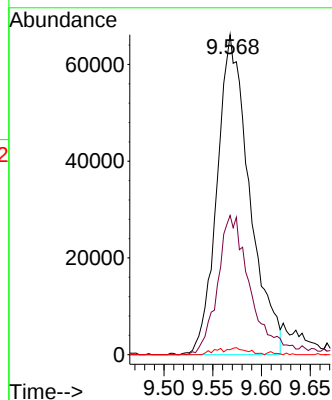
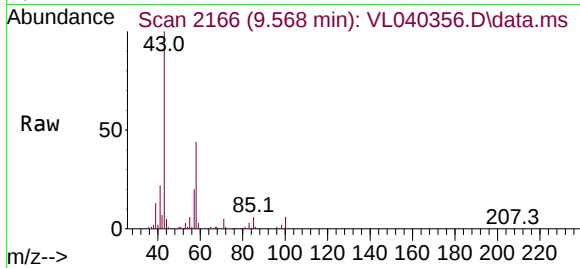




#51
2-Hexanone
Concen: 0.937 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.010 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

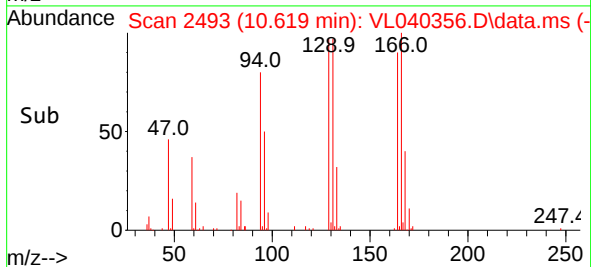
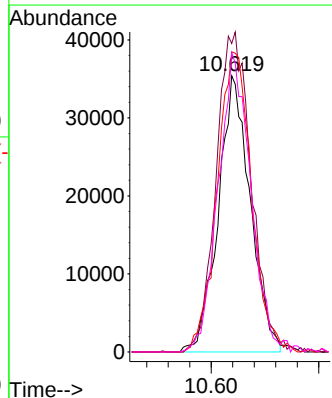
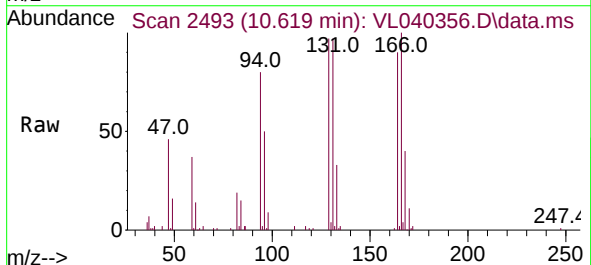
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

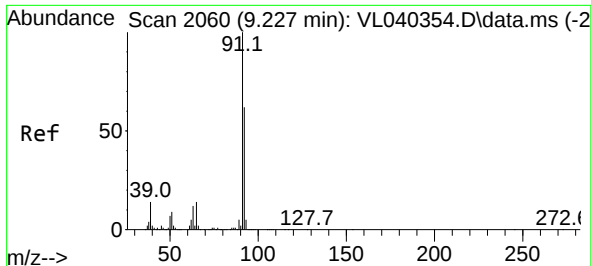
Tgt Ion: 43 Resp: 153287
Ion Ratio Lower Upper
43 100
58 45.6 38.3 57.5
98 1.9 0.4 0.6#



#52
Tetrachloroethene
Concen: 1.058 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 164 Resp: 73091
Ion Ratio Lower Upper
164 100
166 111.7 105.2 157.8
129 108.7 90.3 135.5
131 108.3 86.7 130.1

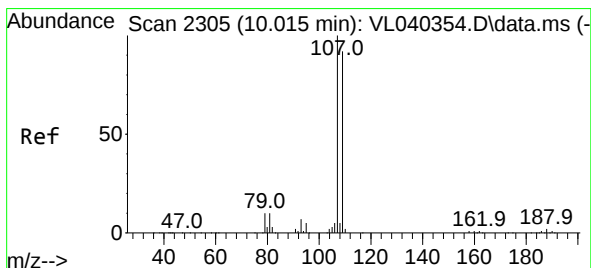
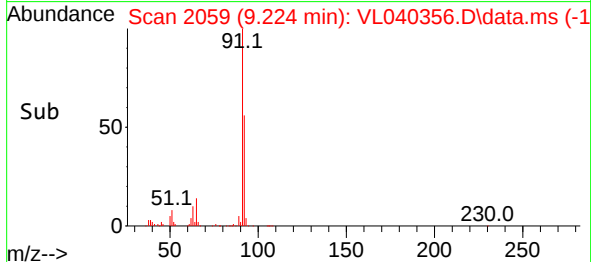
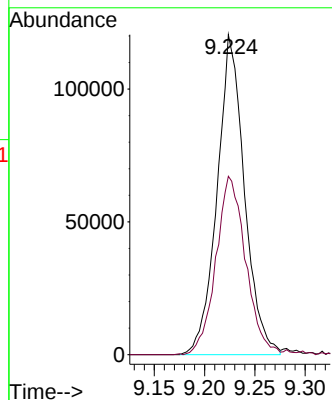
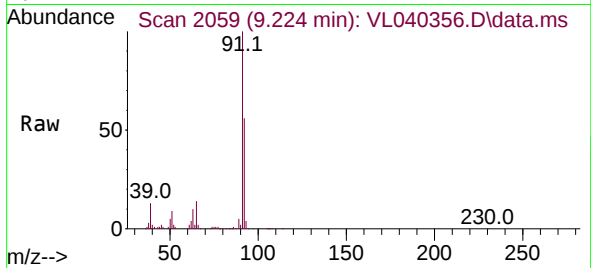




#53
Toluene
Concen: 0.972 ppbv
RT: 9.224 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

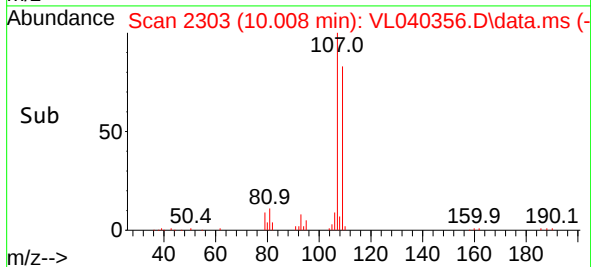
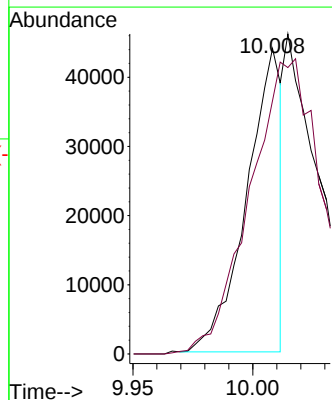
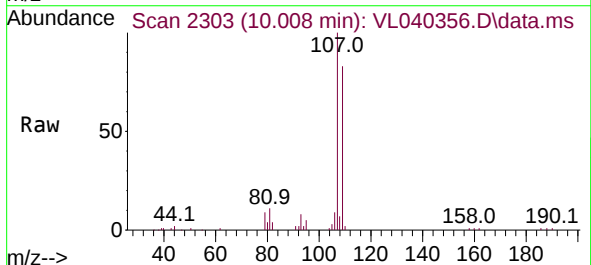
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

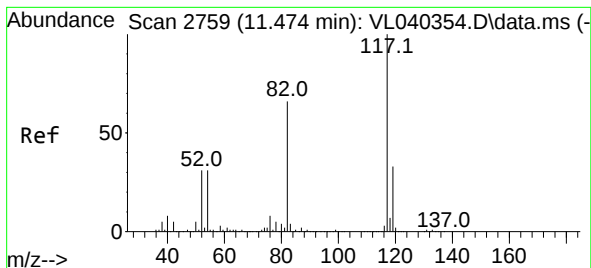
Tgt Ion: 91 Resp: 227600
Ion Ratio Lower Upper
91 100
92 61.7 48.9 73.3



#54
1,2-Dibromoethane
Concen: 0.457 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. -0.007 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 107 Resp: 44133
Ion Ratio Lower Upper
107 100
109 82.7 73.6 110.4

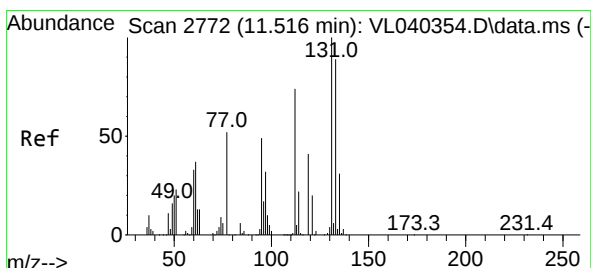
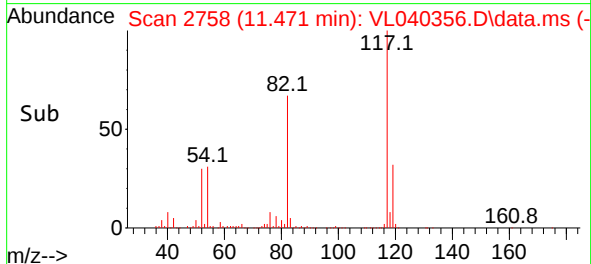
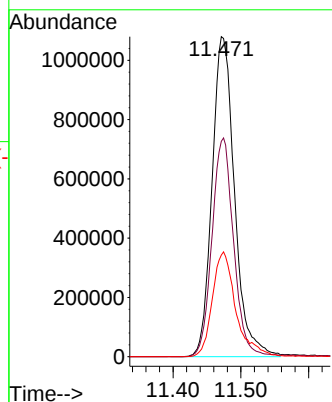
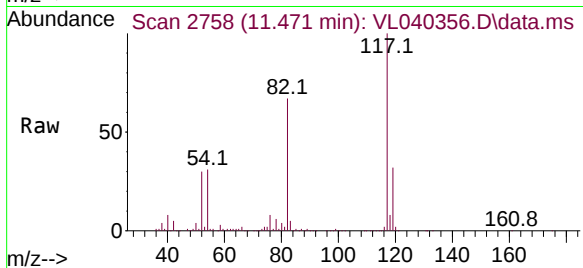




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

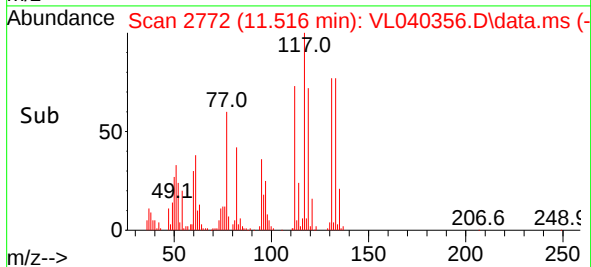
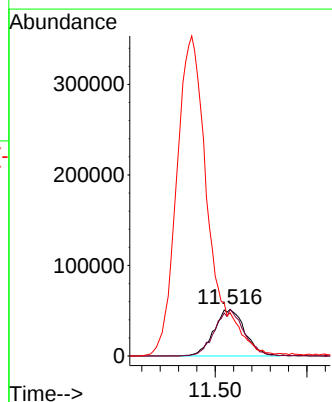
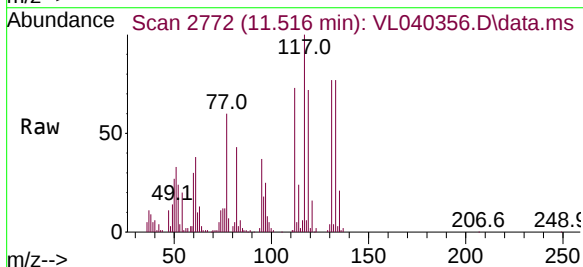
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

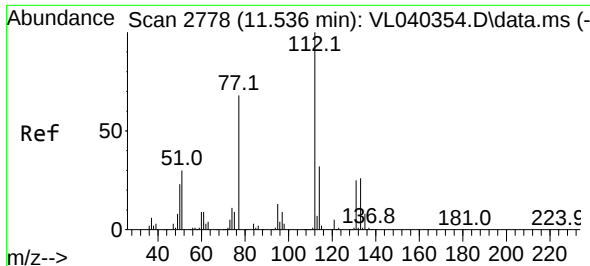
Tgt Ion:117 Resp: 2490567
Ion Ratio Lower Upper
117 100
82 66.2 52.5 78.7
119 34.4 24.3 36.5



#56
1,1,1,2-Tetrachloroethane
Concen: 1.054 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion:131 Resp: 119834
Ion Ratio Lower Upper
131 100
133 94.5 75.3 112.9
119 717.3 53.9 80.9#

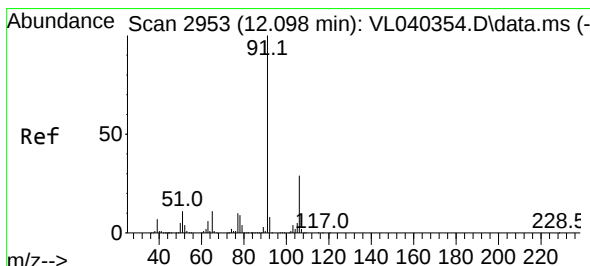
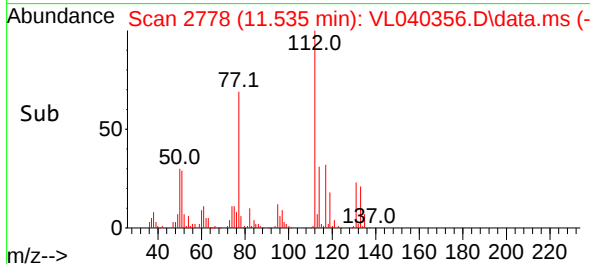
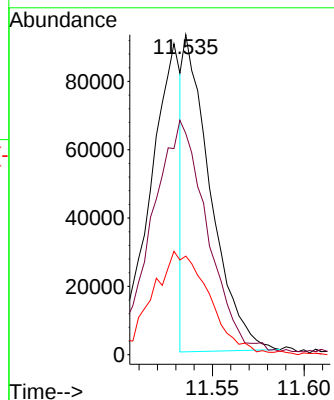
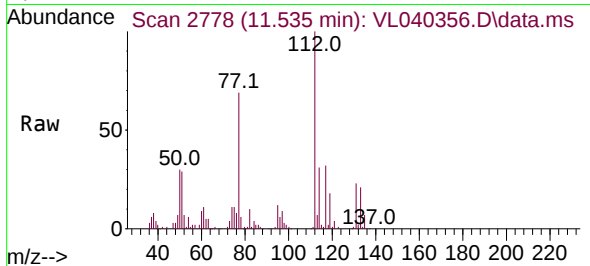




#57
Chlorobenzene
Concen: 0.488 ppbv
RT: 11.535 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

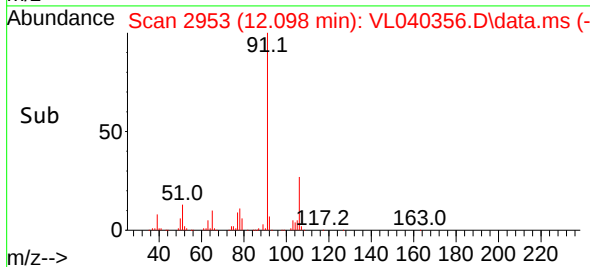
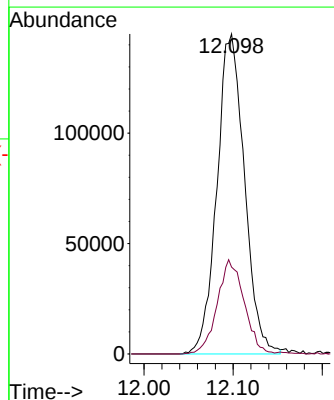
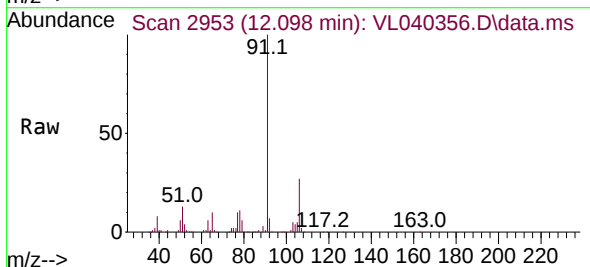
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

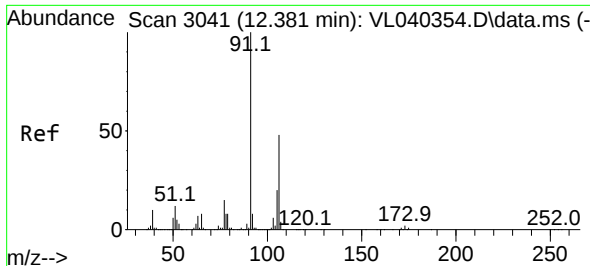
Tgt Ion:112 Resp: 95203
Ion Ratio Lower Upper
112 100
77 69.2 55.8 83.8
114 30.1 29.1 35.5



#58
Ethyl Benzene
Concen: 1.015 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 91 Resp: 311016
Ion Ratio Lower Upper
91 100
106 27.2 23.5 35.3





#59

m/p-Xylene

Concen: 0.847 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. -0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

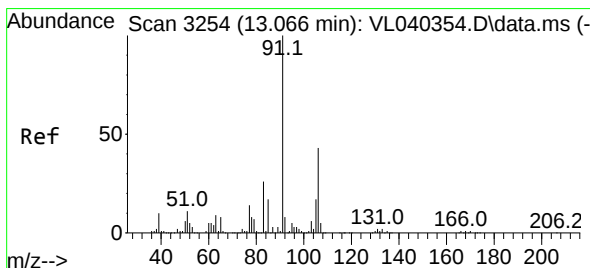
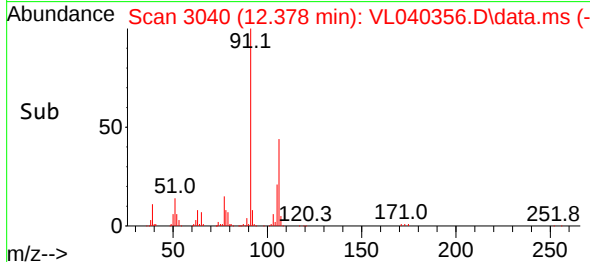
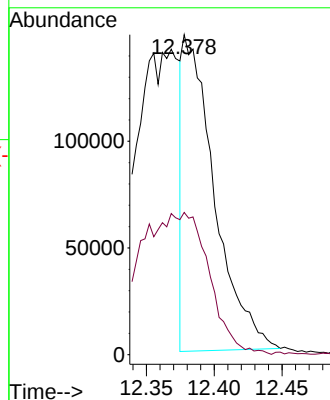
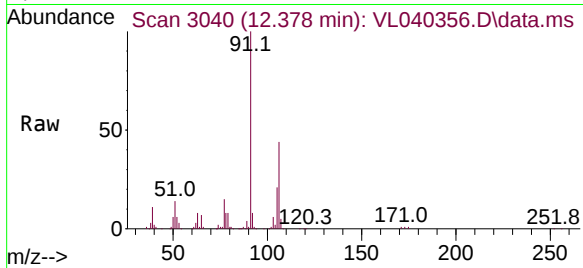
VSTDIC001

Tgt Ion: 91 Resp: 238763

Ion Ratio Lower Upper

91 100

106 102.6 34.7 52.1#



#60

o-Xylene

Concen: 1.040 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.000 min

Lab File: VL040356.D

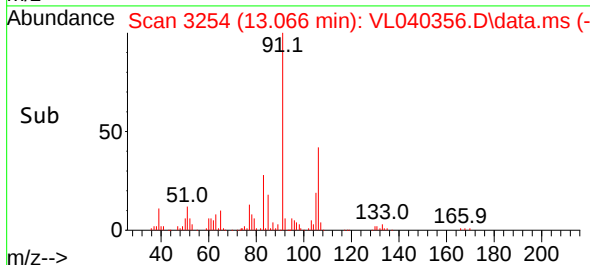
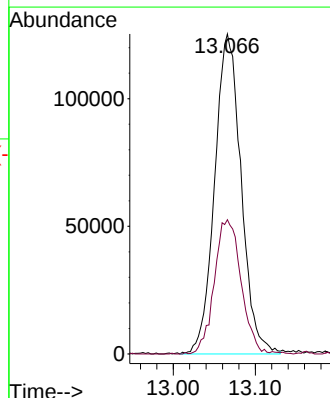
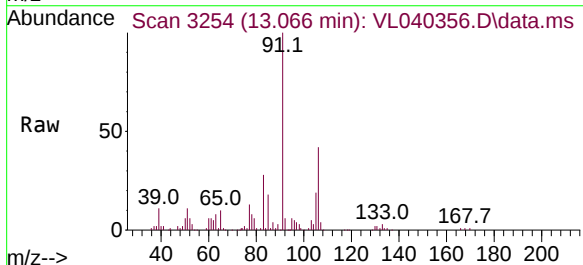
Acq: 13 Apr 2023 11:23

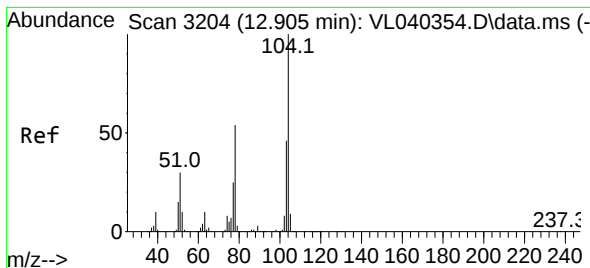
Tgt Ion: 91 Resp: 281104

Ion Ratio Lower Upper

91 100

106 42.7 21.9 65.8





#61

Styrene

Concen: 0.912 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

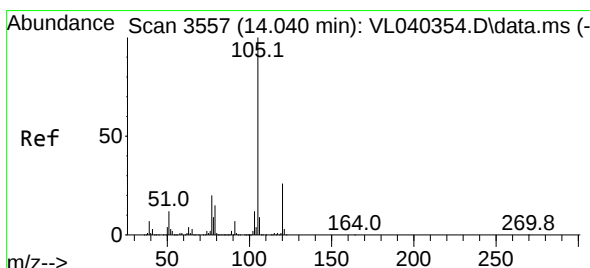
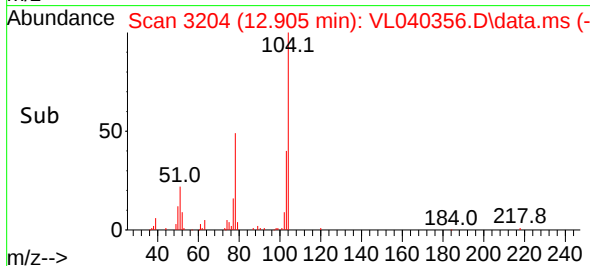
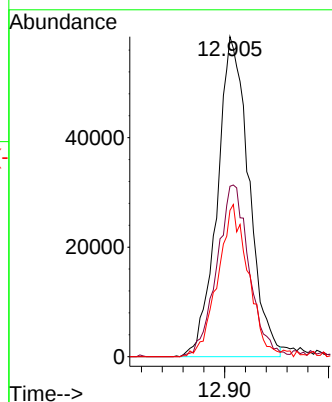
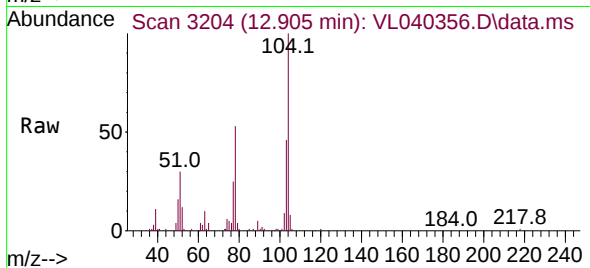
Tgt Ion:104 Resp: 123488

Ion Ratio Lower Upper

104 100

78 56.1 43.4 65.0

103 47.1 37.0 55.4



#62

Isopropylbenzene

Concen: 1.050 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.003 min

Lab File: VL040356.D

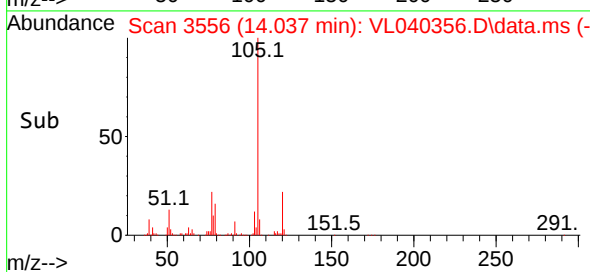
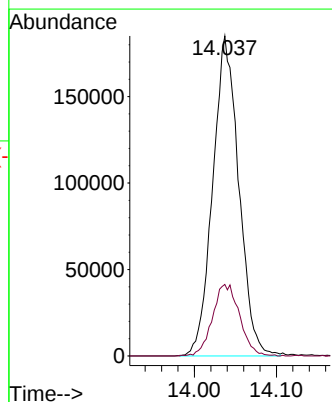
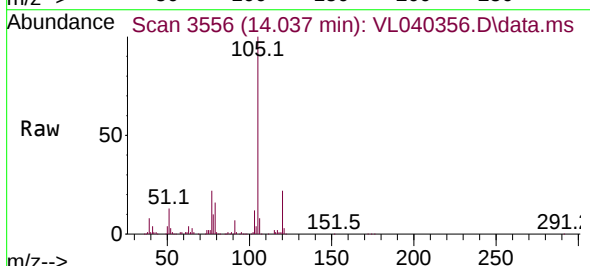
Acq: 13 Apr 2023 11:23

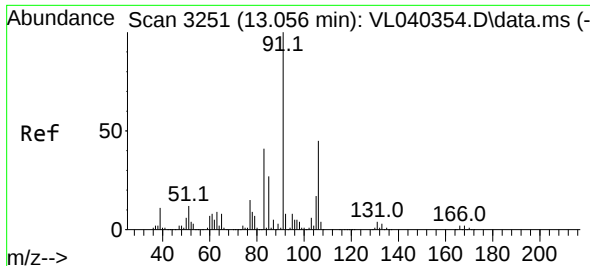
Tgt Ion:105 Resp: 408940

Ion Ratio Lower Upper

105 100

120 23.3 19.9 29.9

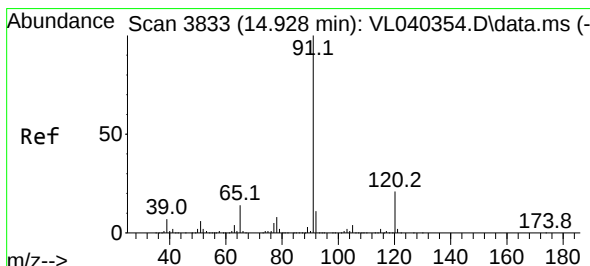
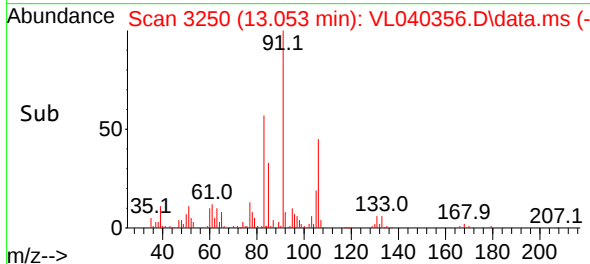
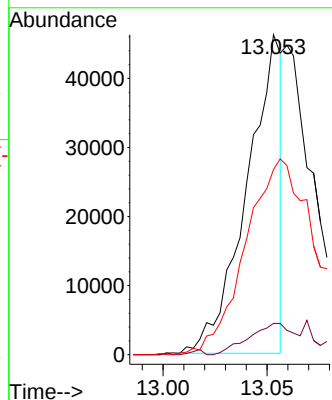
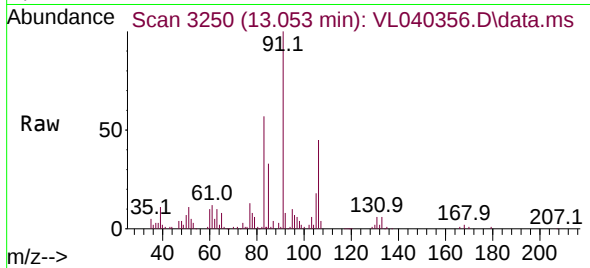




#63
1,1,2,2-Tetrachloroethane
Concen: 0.541 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

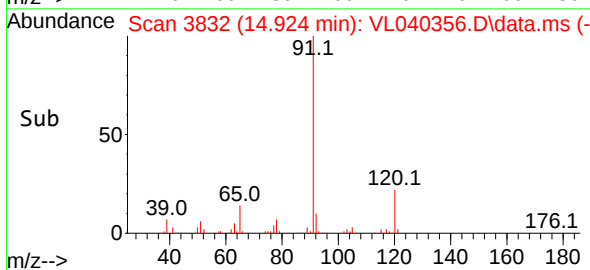
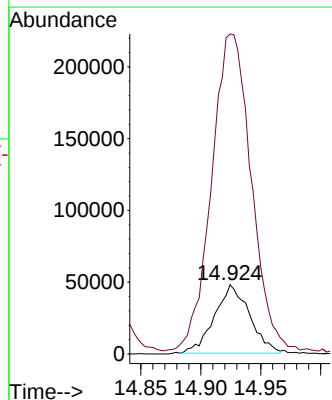
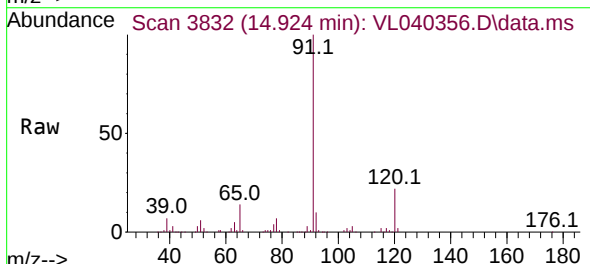
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

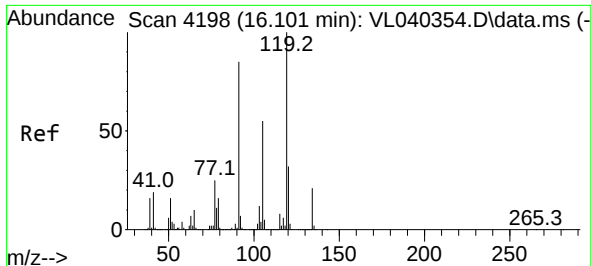
Tgt Ion: 83 Resp: 53509
Ion Ratio Lower Upper
83 100
131 0.0 4.3 13.1#
85 129.1 32.9 98.6#



#64
n-propylbenzene
Concen: 1.012 ppbv
RT: 14.924 min Scan# 3832
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 120 Resp: 96929
Ion Ratio Lower Upper
120 100
91 548.2 397.4 596.0

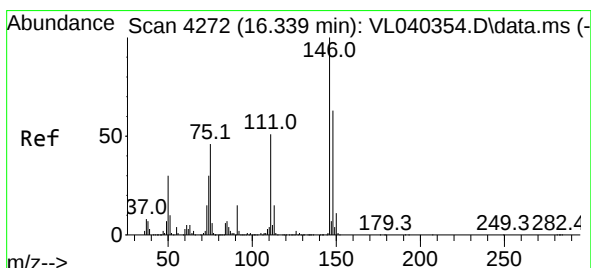
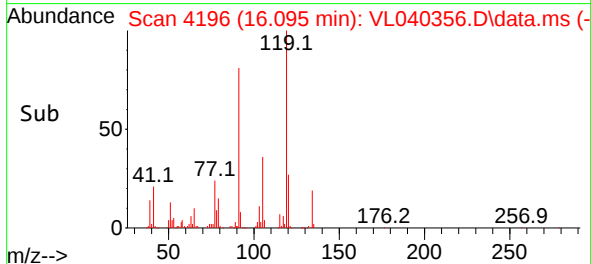
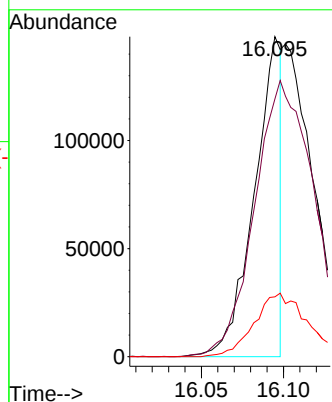
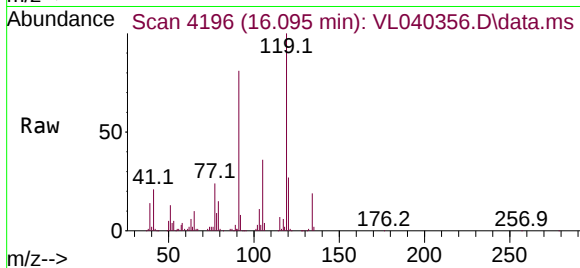




#65
tert-Butylbenzene
Concen: 0.494 ppbv
RT: 16.095 min Scan# 4198
Delta R.T. -0.007 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

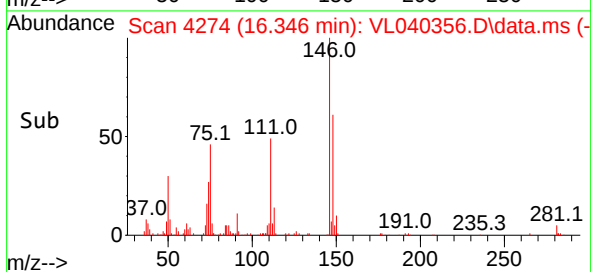
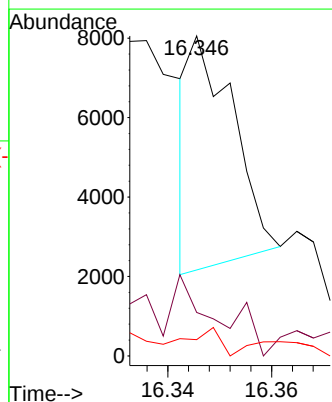
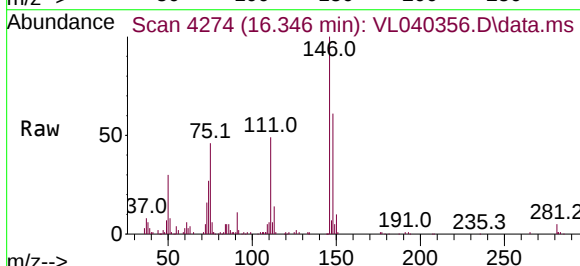
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

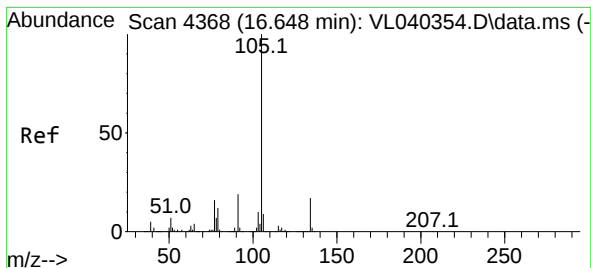
Tgt Ion:119 Resp: 169413
Ion Ratio Lower Upper
119 100
91 0.0 70.1 105.1#
134 0.0 15.6 23.4#



#66
Benzyl Chloride
Concen: 0.161 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.006 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 91 Resp: 3411
Ion Ratio Lower Upper
91 100
126 114.5 12.3 18.5#
128 27.8 4.1 6.1#





#67

sec-Butylbenzene

Concen: 1.052 ppbv

RT: 16.645 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

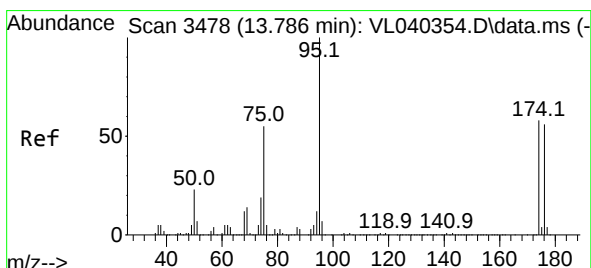
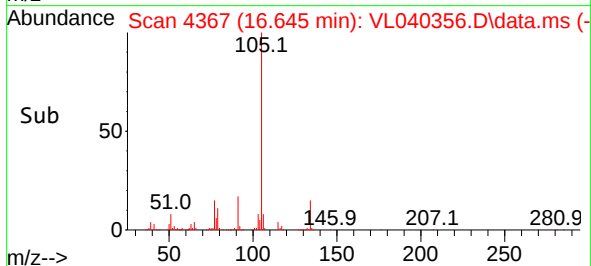
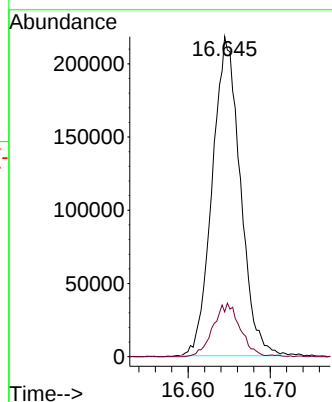
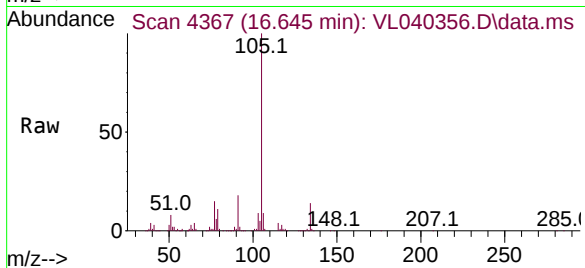
VSTDICC001

Tgt Ion:105 Resp: 517456

Ion Ratio Lower Upper

105 100

134 16.4 13.8 20.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.928 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. -0.003 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

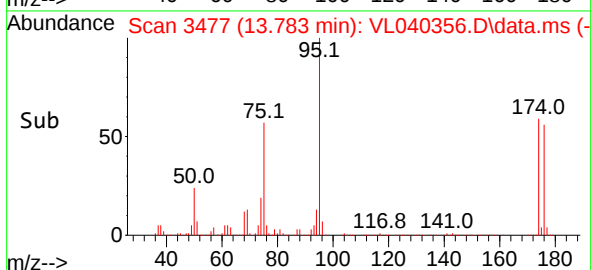
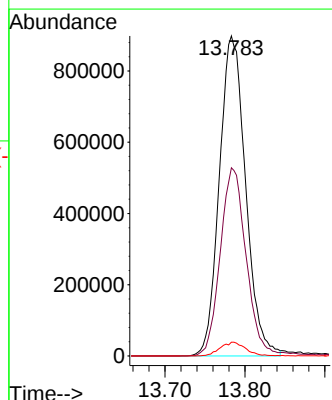
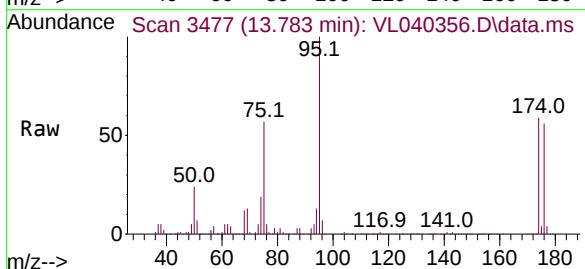
Tgt Ion: 95 Resp: 2044658

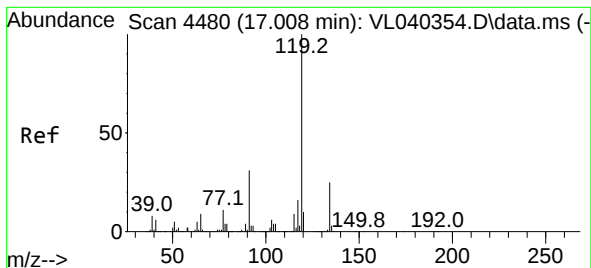
Ion Ratio Lower Upper

95 100

174 59.0 47.2 70.8

175 4.3 3.5 5.3





#69

p-Isopropyltoluene

Concen: 1.055 ppbv

RT: 17.008 min Scan# 4480

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

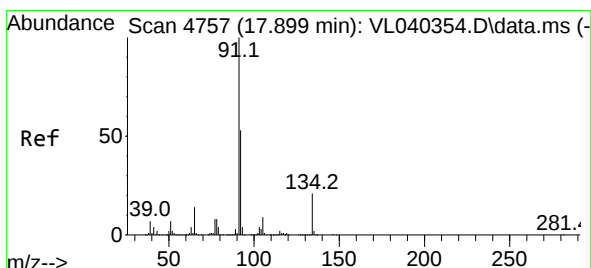
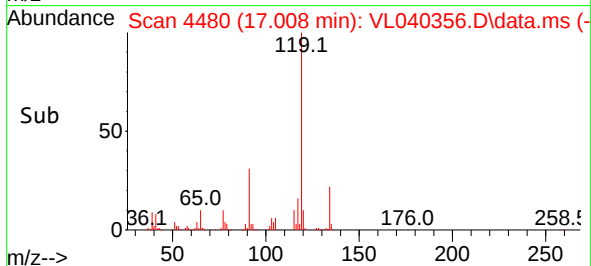
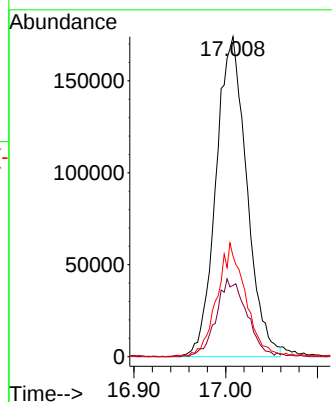
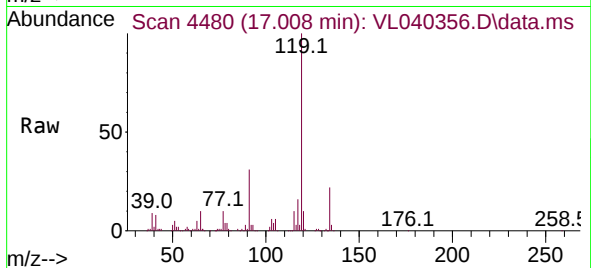
Tgt Ion:119 Resp: 405281

Ion Ratio Lower Upper

119 100

134 24.4 20.2 30.4

91 33.6 25.7 38.5



#70

n-Butylbenzene

Concen: 1.047 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. -0.000 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

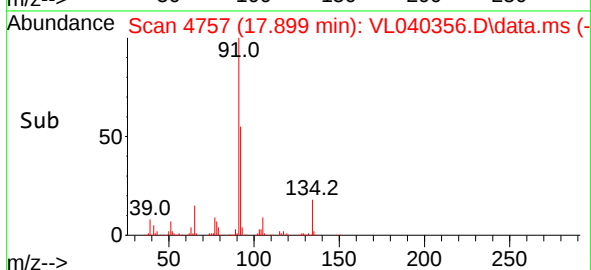
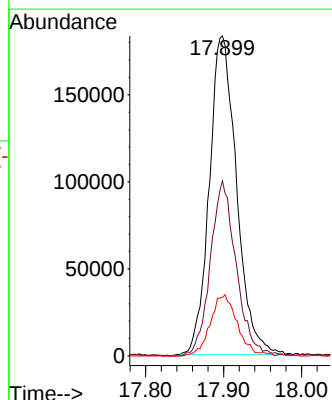
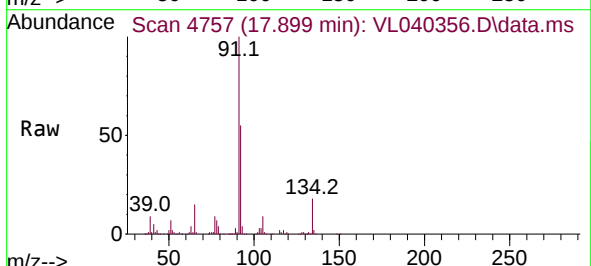
Tgt Ion: 91 Resp: 445793

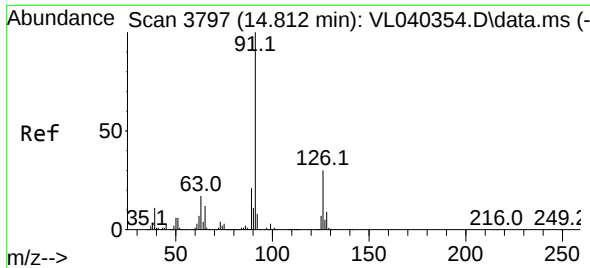
Ion Ratio Lower Upper

91 100

92 52.2 43.0 64.4

134 19.2 16.6 25.0

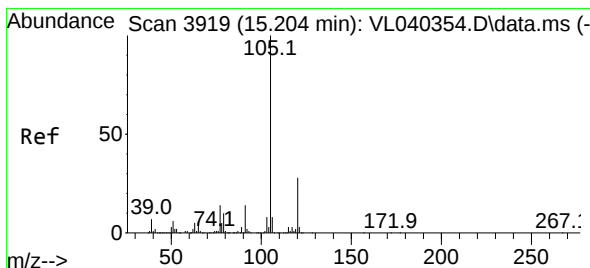
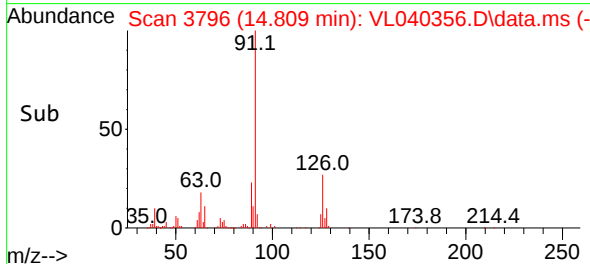
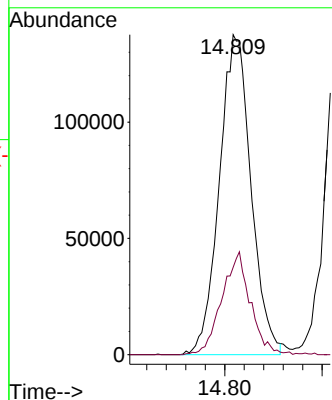
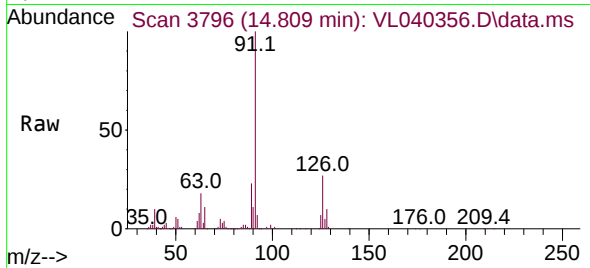




#71
2-Chlorotoluene
Concen: 1.038 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

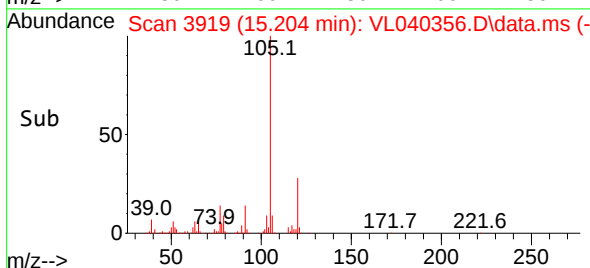
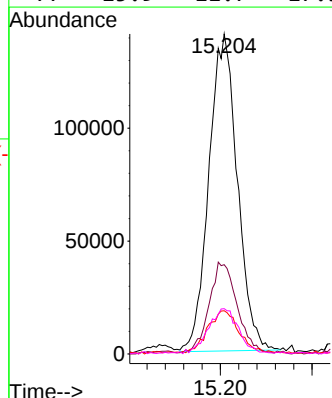
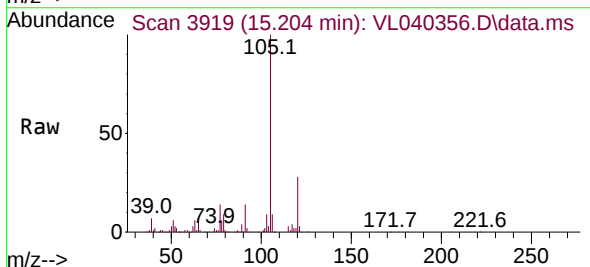
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

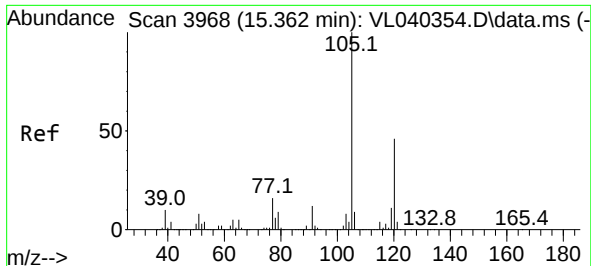
Tgt Ion: 91 Resp: 310391
Ion Ratio Lower Upper
91 100
126 29.1 11.8 47.4



#72
4-Ethyltoluene
Concen: 1.013 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion: 105 Resp: 302534
Ion Ratio Lower Upper
105 100
120 30.0 23.0 34.6
91 14.7 11.3 16.9
77 15.9 11.7 17.5

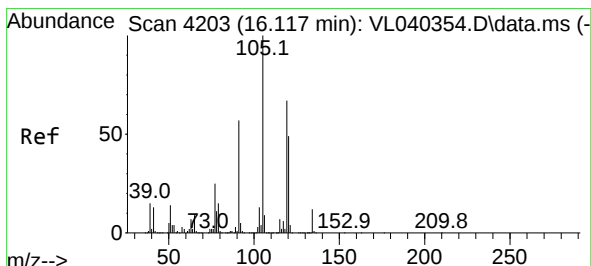
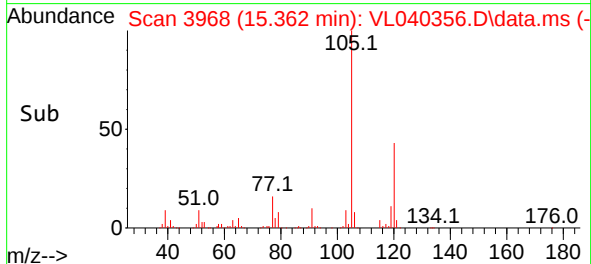
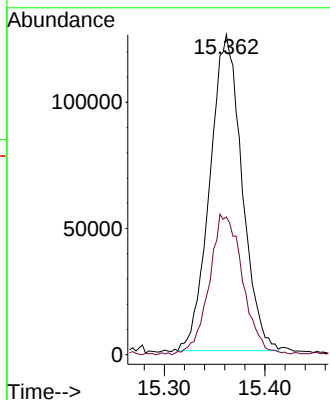
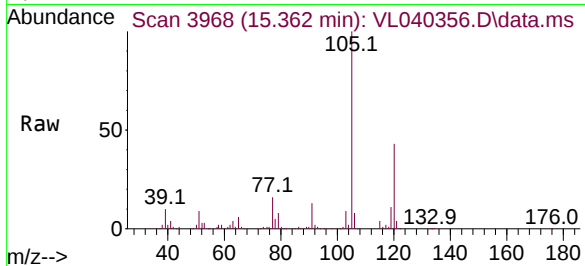




#73
1,3,5-Trimethylbenzene
Concen: 1.009 ppbv
RT: 15.362 min Scan# 3968
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

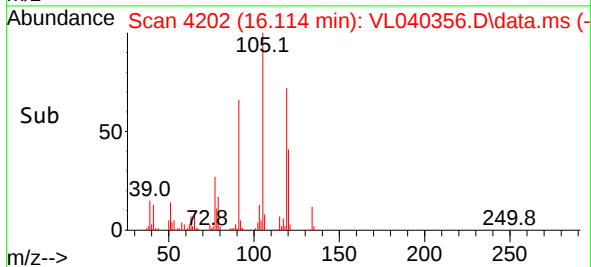
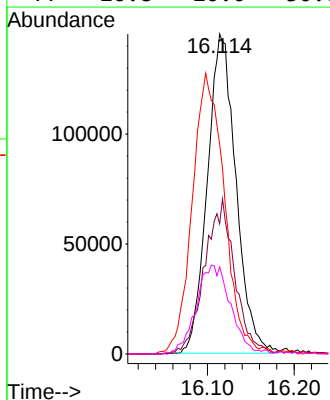
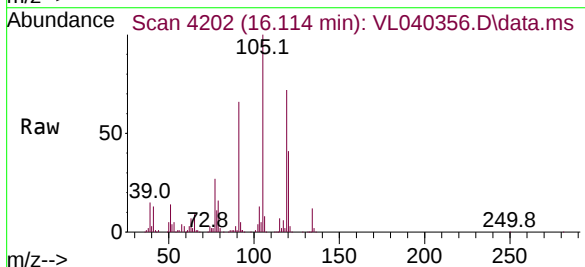
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

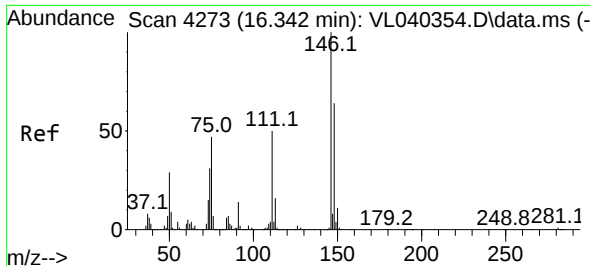
Tgt Ion:105 Resp: 278100
Ion Ratio Lower Upper
105 100
120 42.6 36.9 55.3



#74
1,2,4-Trimethylbenzene
Concen: 1.055 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion:105 Resp: 332620
Ion Ratio Lower Upper
105 100
120 39.8 38.9 58.3
91 65.2 46.0 69.0
77 26.8 20.0 30.0

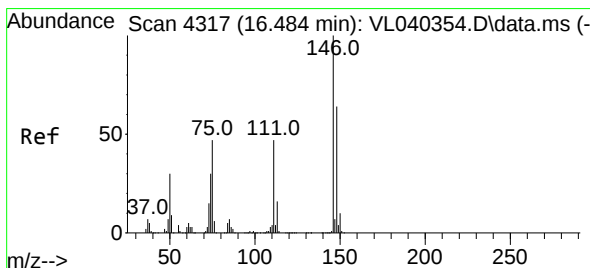
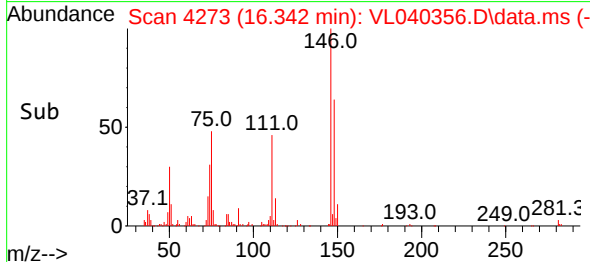
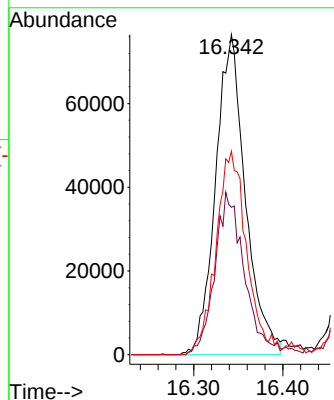
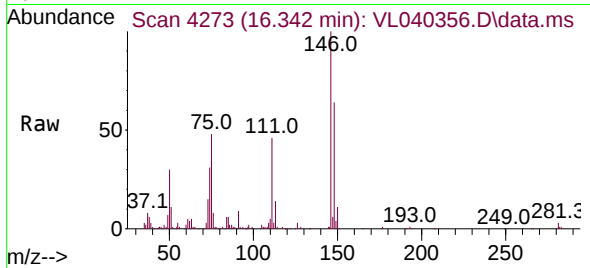




#75
1,3-Dichlorobenzene
Concen: 1.030 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

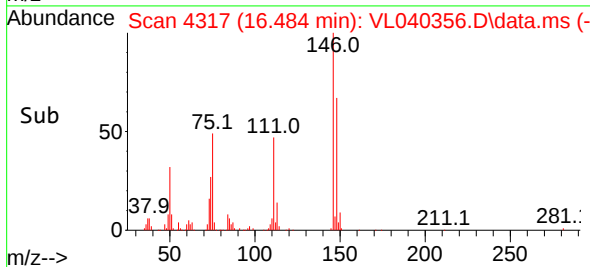
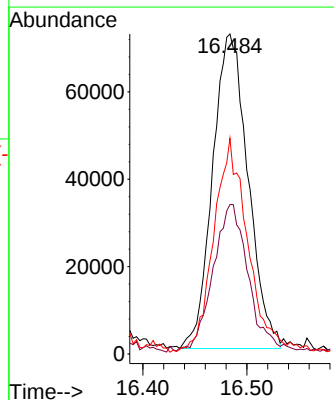
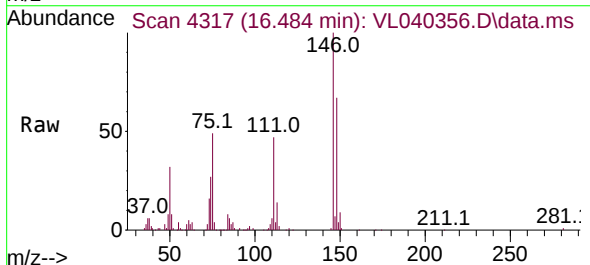
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

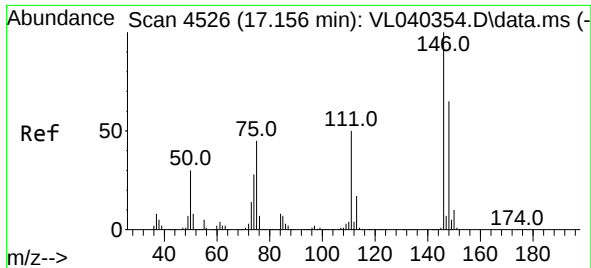
Tgt Ion:146 Resp: 177845
Ion Ratio Lower Upper
146 100
111 50.8 24.6 74.0
148 67.0 32.1 96.3



#76
1,4-Dichlorobenzene
Concen: 0.999 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. -0.000 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion:146 Resp: 170421
Ion Ratio Lower Upper
146 100
111 50.9 23.8 71.4
148 68.5 32.4 97.2

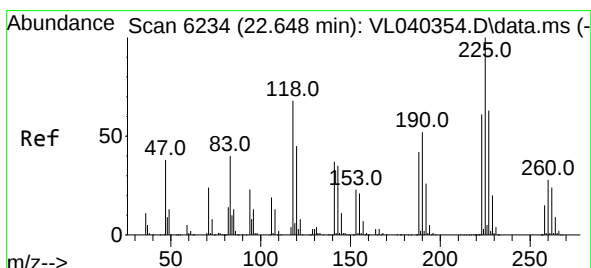
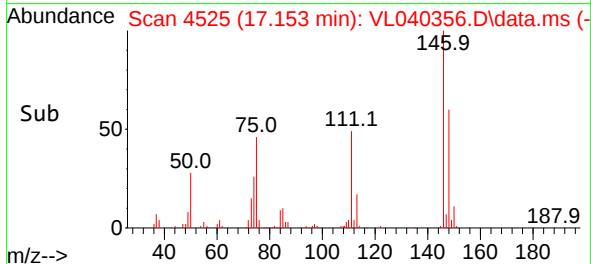
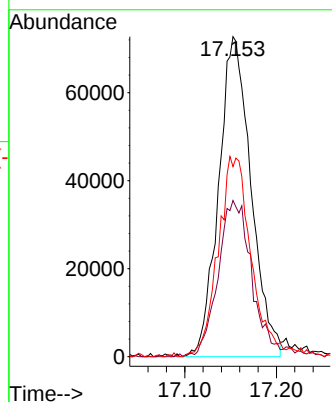
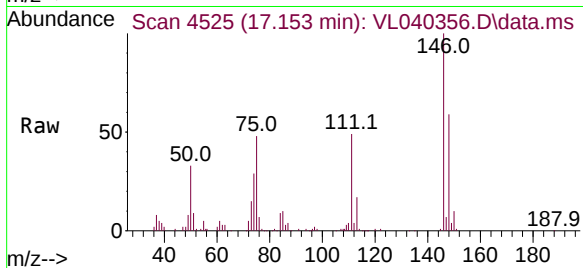




#77
1,2-Dichlorobenzene
Concen: 1.044 ppbv
RT: 17.153 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

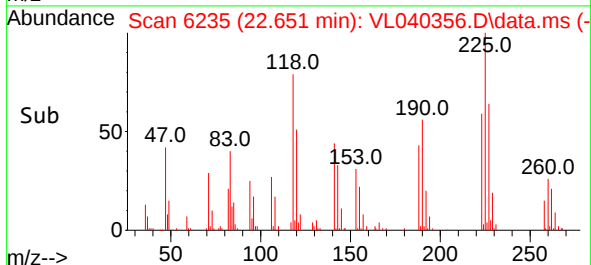
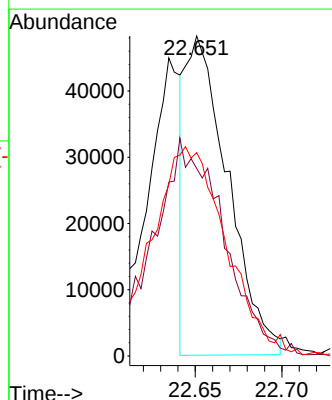
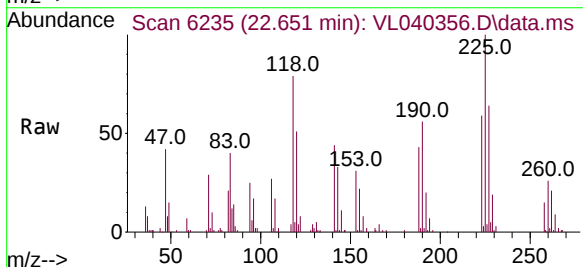
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

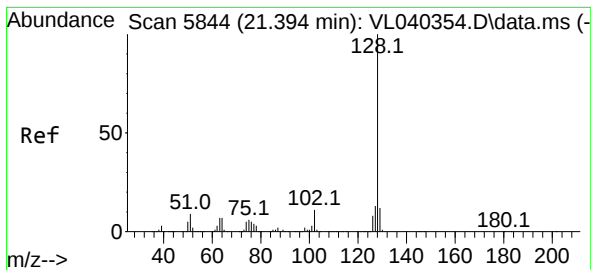
Tgt Ion:146 Resp: 178156
Ion Ratio Lower Upper
146 100
111 52.3 25.4 76.0
148 65.0 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 0.602 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.003 min
Lab File: VL040356.D
Acq: 13 Apr 2023 11:23

Tgt Ion:225 Resp: 82445
Ion Ratio Lower Upper
225 100
223 113.5 50.7 76.1#
227 115.9 51.0 76.4#





#79

Naphthalene

Concen: 1.013 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.006 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

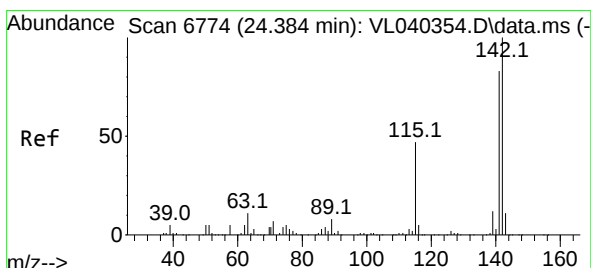
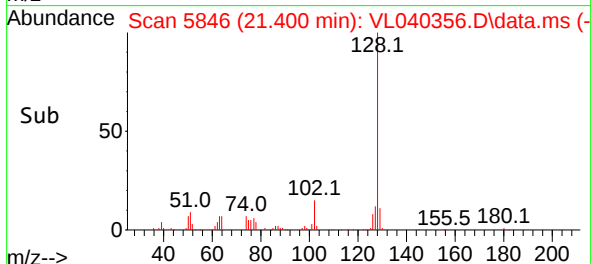
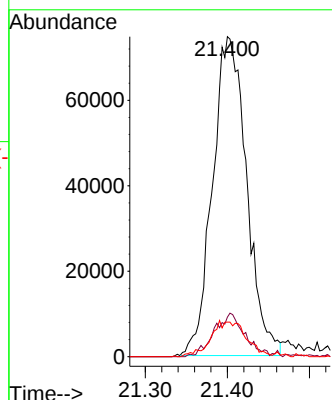
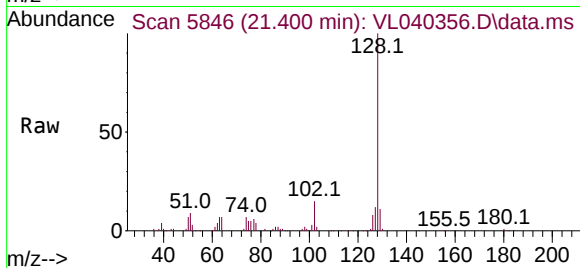
Tgt Ion:128 Resp: 215475

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

129 10.8 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 0.659 ppbv

RT: 24.393 min Scan# 6777

Delta R.T. 0.010 min

Lab File: VL040356.D

Acq: 13 Apr 2023 11:23

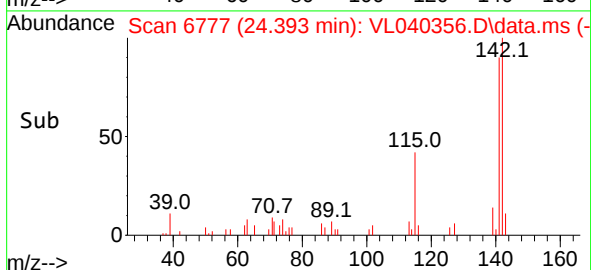
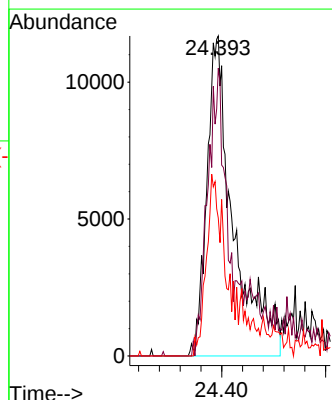
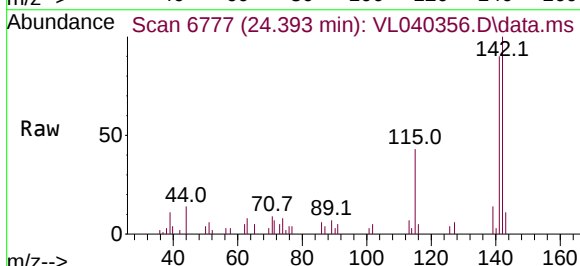
Tgt Ion:142 Resp: 41740

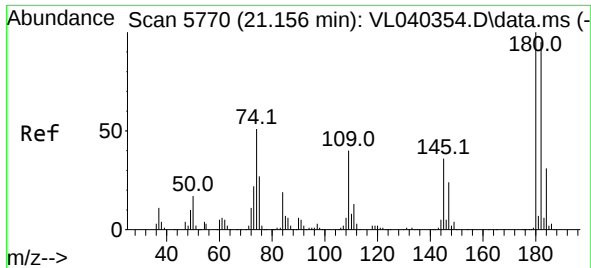
Ion Ratio Lower Upper

142 100

141 86.1 65.1 97.7

115 54.5 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 0.444 ppbv

RT: 21.149 min Scan# 51

Delta R.T. -0.007 min

Lab File: VL040356.D

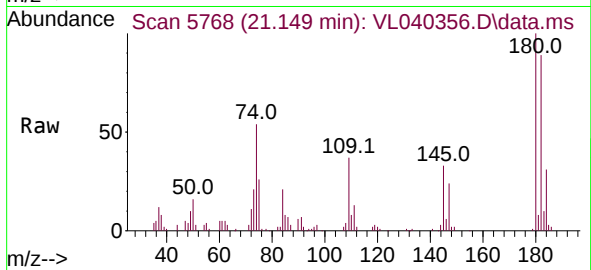
Acq: 13 Apr 2023 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 58111

Ion Ratio Lower Upper

180 100

182 0.0 77.7 116.5#

184 67.9 24.2 36.2#

