

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
 Data File : VL040458.D
 Acq On : 5 Jun 2023 16:05
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jun 06 05:58:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 05:55:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1042211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2632641	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2292614	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1922382	10.160	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	117785	0.519	ppbv	97
3) Chlorodifluoromethane	2.664	51	89995	0.527	ppbv	98
4) Chloromethane	2.803	50	35700	0.540	ppbv	93
5) Vinyl Chloride	2.909	62	34956	0.517	ppbv	91
6) Bromomethane	3.111	94	17565	0.509	ppbv	98
7) Chloroethane	3.189	64	7026	0.284	ppbv #	88
8) Dichlorotetrafluoroethane	2.841	85	91339	0.510	ppbv	95
9) Propene	2.684	41	29262	0.556	ppbv	95
10) Heptane	7.587	43	23187	0.195	ppbv #	1
11) Trichlorofluoromethane	3.555	101	97816	0.530	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.060	101	64444	0.499	ppbv	92
13) Ethanol	3.237	45	2020	0.197	ppbv #	49
14) Bromoethene	3.359	108	28044	0.520	ppbv #	96
15) Acetone	3.468	43	68101	0.542	ppbv #	89
16) 1,3-Butadiene	2.976	39	24440	0.396	ppbv #	77
17) tert-Butyl alcohol	3.883	59	47232	0.450	ppbv #	71
18) 1,1-Dichloroethene	3.873	96	27222	0.474	ppbv	85
19) Isopropyl Alcohol	3.581	45	32098	0.530	ppbv #	94
20) Methylene Chloride	3.928	84	30405	0.558	ppbv	97
21) Allyl Chloride	3.992	41	35594	0.501	ppbv	95
22) trans-1,2-Dichloroethene	4.439	96	28679	0.486	ppbv	90
23) Vinyl Acetate	4.626	43	56635	0.463	ppbv #	96
24) 1,1-Dichloroethane	4.558	63	62767	0.510	ppbv #	95
25) Ethyl Acetate	5.211	43	112452	0.494	ppbv	98
26) Hexane	5.208	57	53607	0.497	ppbv	92
27) Carbon Disulfide	4.118	76	62010	0.460	ppbv #	87
28) Methyl tert-Butyl Ether	4.590	73	41122	0.486	ppbv	92
29) Chloroform	5.269	83	94951	0.517	ppbv	97
30) Cyclohexane	6.606	84	32507	0.405	ppbv #	87
31) cis-1,2-Dichloroethene	5.076	61	48557	0.471	ppbv	90
32) 1,1,1-Trichloroethane	5.999	97	94666	0.517	ppbv	99
34) 2-Butanone	4.793	43	63518	0.500	ppbv	95
35) Carbon Tetrachloride	6.494	117	91528	0.506	ppbv	95
36) Benzene	6.375	78	39118	0.187	ppbv	94
37) 1,2-Dichloroethane	5.806	62	66485	0.487	ppbv	100
38) Trichloroethene	7.288	130	22418	0.279	ppbv	89
39) 1,2-Dichloropropane	7.079	63	23506	0.288	ppbv #	88
40) 1,4-Dioxane	7.311	88	2463	0.110	ppbv #	100
41) Tetrahydrofuran	5.574	42	11151	0.162	ppbv #	34
42) Bromodichloromethane	7.249	83	87333	0.465	ppbv	95
43) Methyl Methacrylate	7.475	69	10547	0.140	ppbv #	1
44) 2,2,4-Trimethylpentane	7.330	57	152937	0.447	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	7826	0.141	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
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 Acq On : 5 Jun 2023 16:05
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

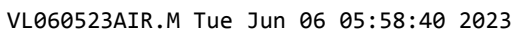
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

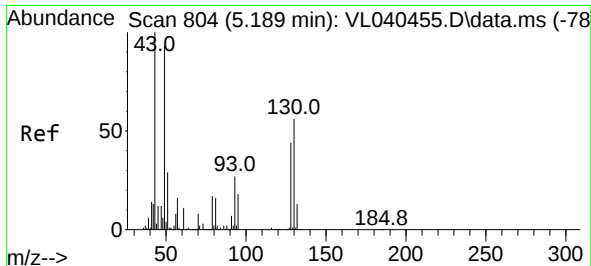
Quant Time: Jun 06 05:58:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 05:55:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	7615	0.113	ppbv	88
47) 1,1,2-Trichloroethane	8.899	97	30235	0.341	ppbv #	86
48) Dibromochloromethane	9.719	129	60137	0.424	ppbv	98
49) Bromoform	12.416	173	27841	0.260	ppbv #	59
50) 4-Methyl-2-Pentanone	8.201	43	32988	0.195	ppbv #	39
51) 2-Hexanone	9.542	43	966	0.008	ppbv #	31
52) Tetrachloroethene	10.622	164	31642	0.481	ppbv	92
53) Toluene	9.227	91	88160	0.400	ppbv	96
54) 1,2-Dibromoethane	10.015	107	53357	0.458	ppbv	86
56) 1,1,1,2-Tetrachloroethane	11.523	131	25271	0.234	ppbv #	9
57) Chlorobenzene	11.532	112	90715	0.523	ppbv #	93
58) Ethyl Benzene	12.095	91	53951	0.194	ppbv	92
59) m/p-Xylene	12.381	91	150271	0.590	ppbv #	71
60) o-Xylene	13.069	91	101351	0.419	ppbv	98
61) Styrene	12.899	104	13372	0.128	ppbv #	27
62) Isopropylbenzene	14.040	105	104770	0.291	ppbv #	77
63) 1,1,2,2-Tetrachloroethane	13.063	83	78260	0.492	ppbv	96
64) n-propylbenzene	14.918	120	12924	0.153	ppbv #	1
65) tert-Butylbenzene	16.108	119	131351	0.422	ppbv	92
66) Benzyl Chloride	16.342	91	2386	0.103	ppbv #	52
67) sec-Butylbenzene	16.654	105	201330	0.447	ppbv	98
69) p-Isopropyltoluene	17.005	119	77783	0.217	ppbv #	49
70) n-Butylbenzene	17.902	91	154769	0.387	ppbv	98
71) 2-Chlorotoluene	14.809	91	113765	0.426	ppbv	99
72) 4-Ethyltoluene	15.207	105	113786	0.417	ppbv	96
73) 1,3,5-Trimethylbenzene	15.365	105	97847	0.406	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.121	105	127808	0.451	ppbv	94
75) 1,3-Dichlorobenzene	16.346	146	68590	0.432	ppbv	92
76) 1,4-Dichlorobenzene	16.487	146	39214	0.249	ppbv #	28
77) 1,2-Dichlorobenzene	17.156	146	37667	0.248	ppbv #	23
78) Hexachloro-1,3-Butadiene	22.648	225	38460	0.331	ppbv #	47
79) Naphthalene	21.397	128	19693	0.121	ppbv #	89
80) Naphthalene,2-methyl-	24.397	142	5816	0.127	ppbv #	79
81) 1,2,4-Trichlorobenzene	21.156	180	26586	0.236	ppbv #	34

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

Quant Time: Jun 06 05:58:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jun 06 05:55:55 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.192 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

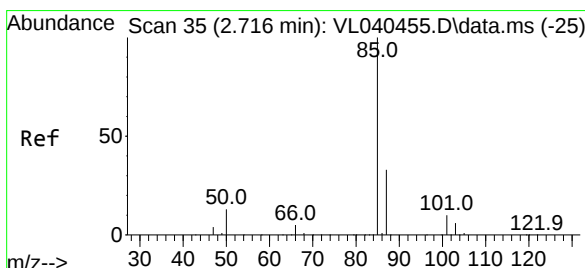
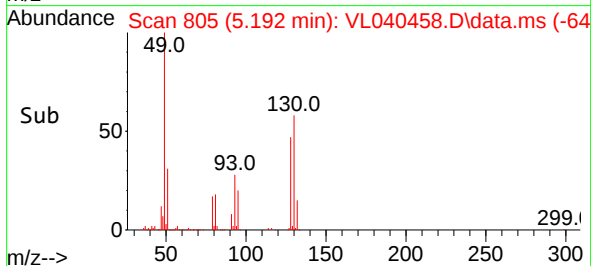
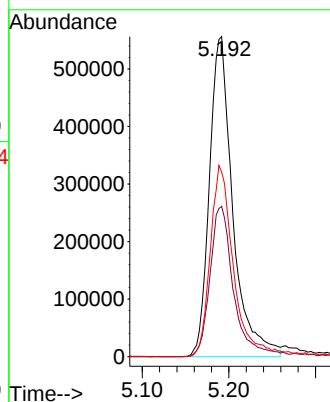
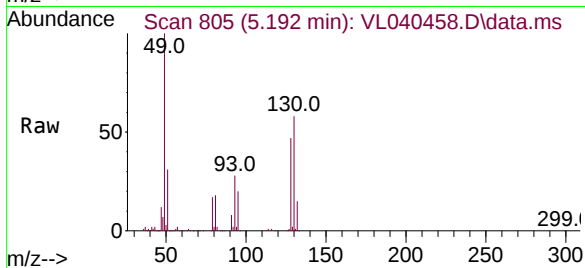
Tgt Ion: 49 Resp: 1042211

Ion Ratio Lower Upper

49 100

128 48.5 24.7 74.1

130 61.3 31.4 94.2



#2

Dichlorodifluoromethane

Concen: 0.519 ppbv

RT: 2.716 min Scan# 35

Delta R.T. -0.000 min

Lab File: VL040458.D

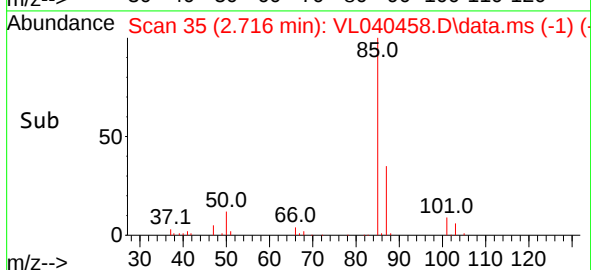
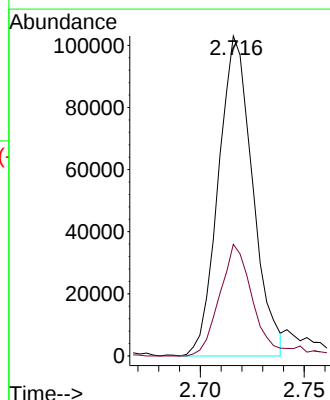
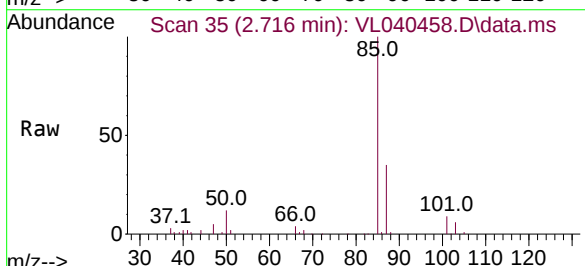
Acq: 5 Jun 2023 16:05

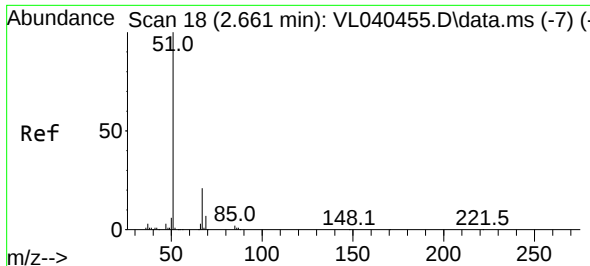
Tgt Ion: 85 Resp: 117785

Ion Ratio Lower Upper

85 100

87 34.9 26.6 39.8

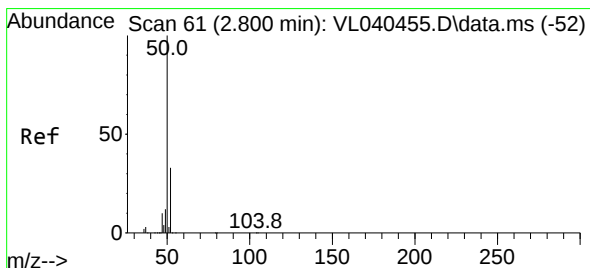
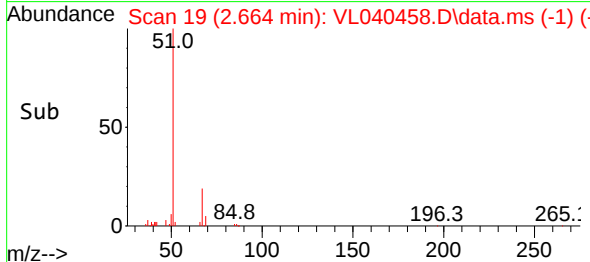
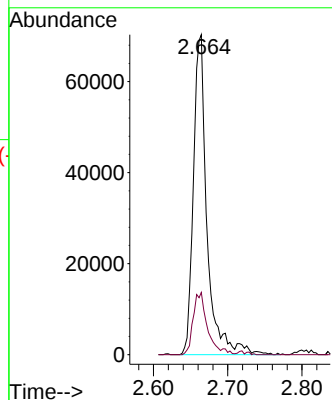
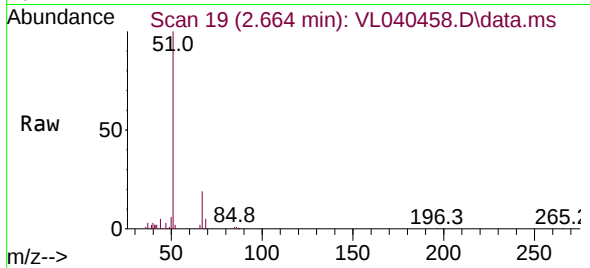




#3
Chlorodifluoromethane
Concen: 0.527 ppbv
RT: 2.664 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

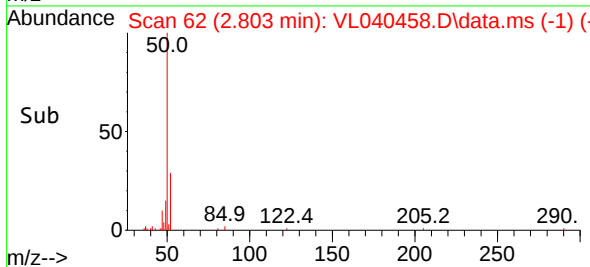
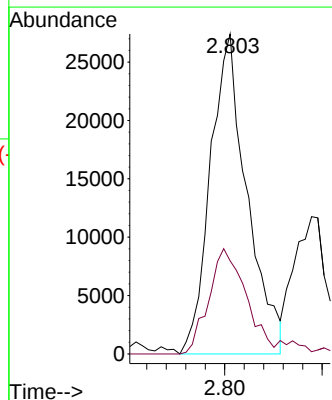
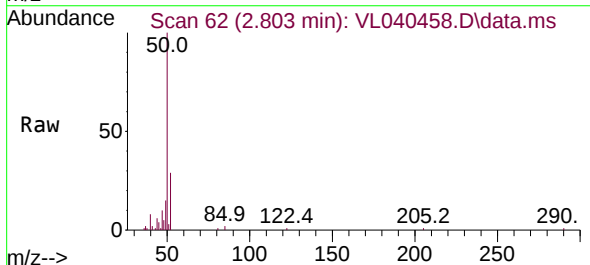
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

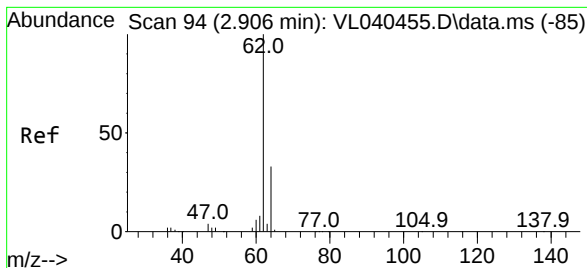
Tgt Ion: 51 Resp: 89995
Ion Ratio Lower Upper
51 100
67 21.2 16.3 24.5



#4
Chloromethane
Concen: 0.540 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 50 Resp: 35700
Ion Ratio Lower Upper
50 100
52 29.1 26.3 39.5

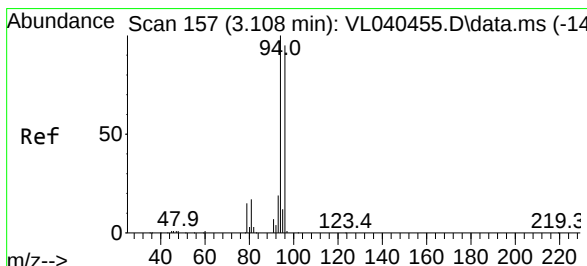
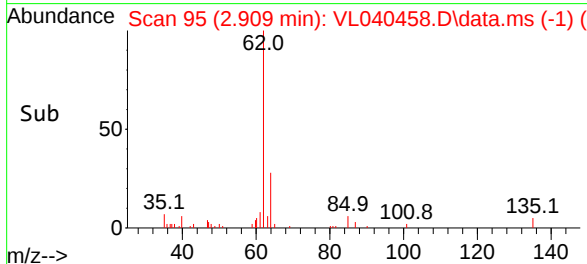
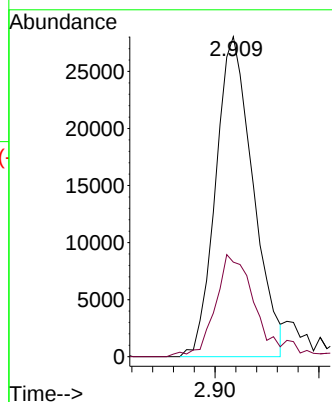
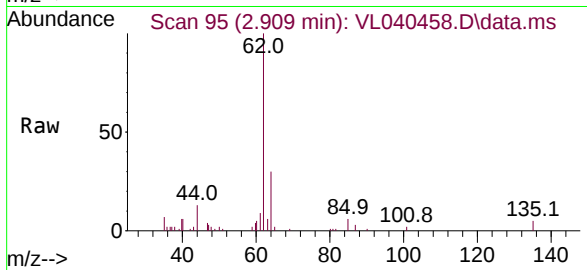




#5
 Vinyl Chloride
 Concen: 0.517 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

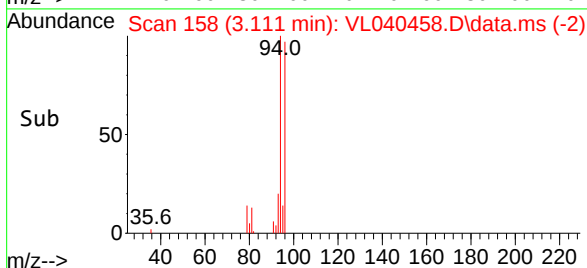
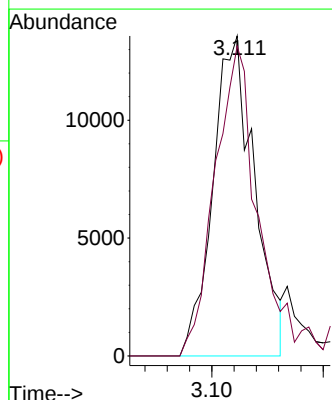
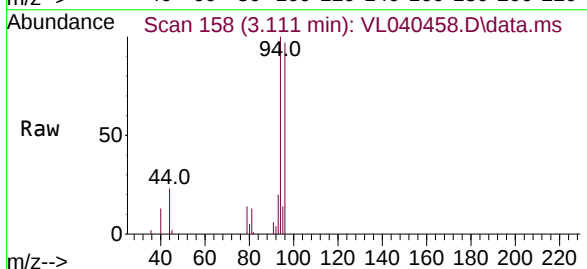
Instrument :
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 ClientSampleId :
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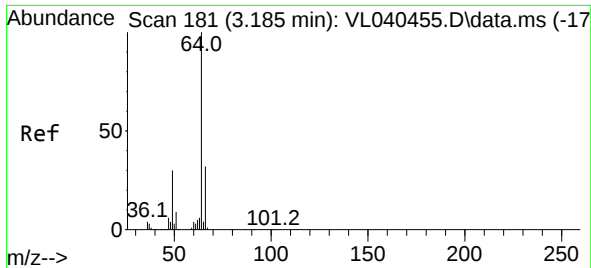
Tgt Ion: 62 Resp: 34956
 Ion Ratio Lower Upper
 62 100
 64 28.1 26.8 40.2



#6
 Bromomethane
 Concen: 0.509 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 94 Resp: 17565
 Ion Ratio Lower Upper
 94 100
 96 96.8 75.8 113.8

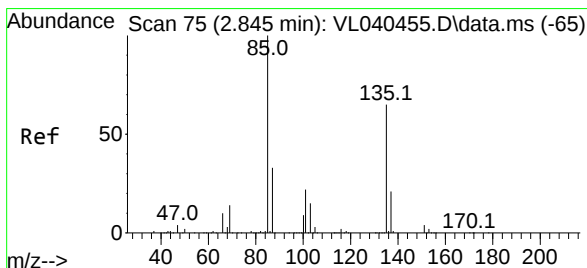
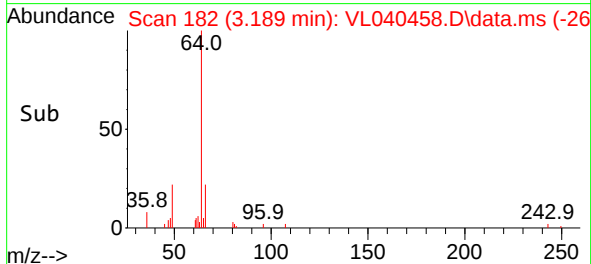
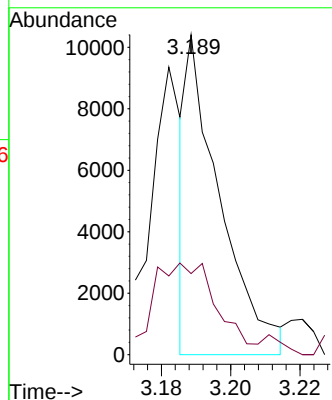
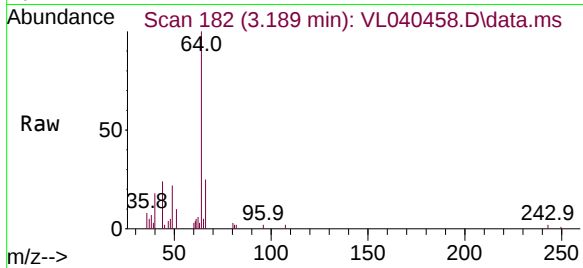




#7
Chloroethane
Concen: 0.284 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

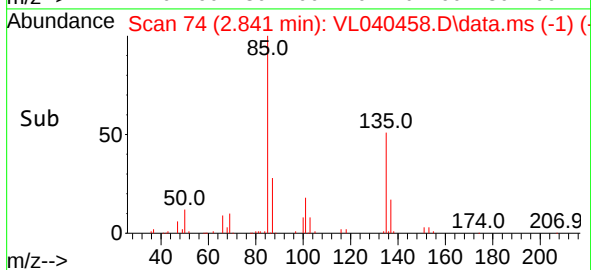
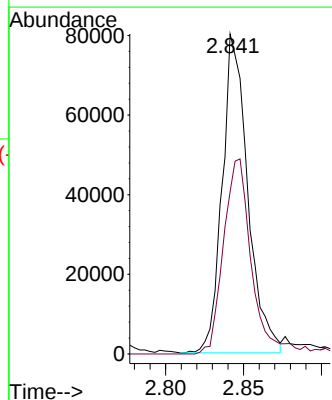
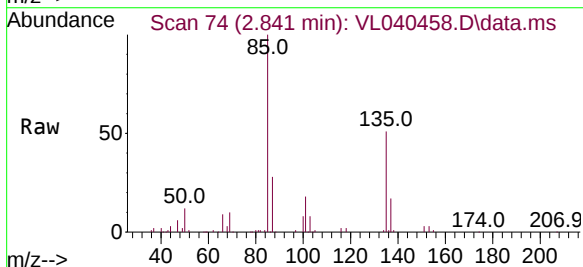
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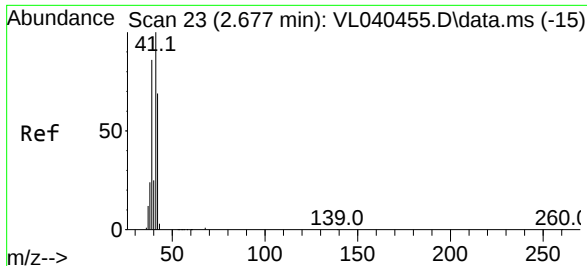
Tgt Ion: 64 Resp: 7026
Ion Ratio Lower Upper
64 100
66 25.3 25.6 38.4#



#8
Dichlorotetrafluoroethane
Concen: 0.510 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 85 Resp: 91339
Ion Ratio Lower Upper
85 100
135 69.2 52.0 78.0





#9

Propene

Concen: 0.556 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_1

ClientSampleId :

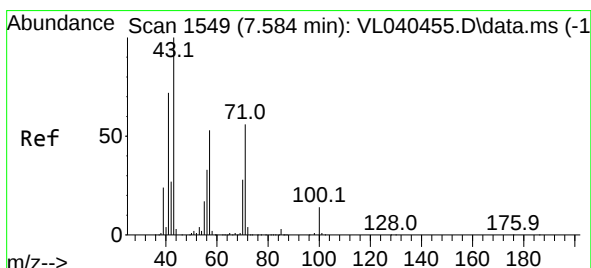
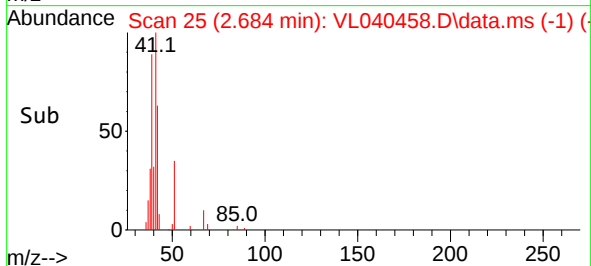
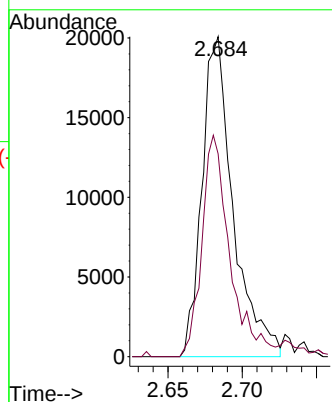
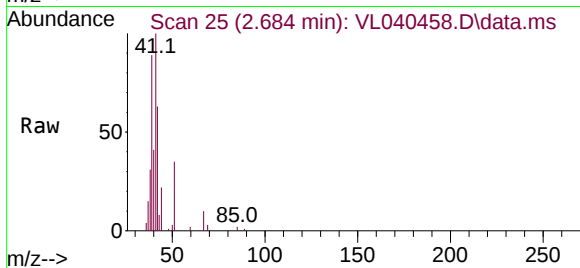
VSTDIC0.5

Tgt Ion: 41 Resp: 29262

Ion Ratio Lower Upper

41 100

42 66.1 56.2 84.2



#10

Heptane

Concen: 0.195 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.003 min

Lab File: VL040458.D

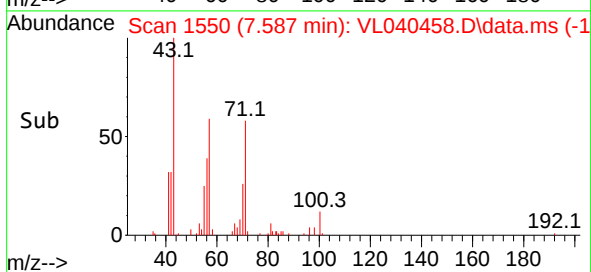
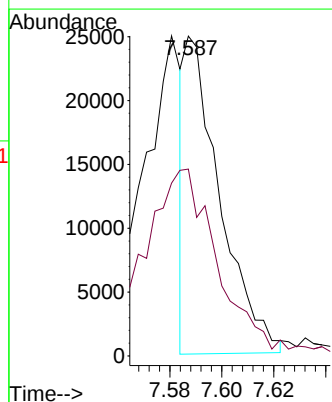
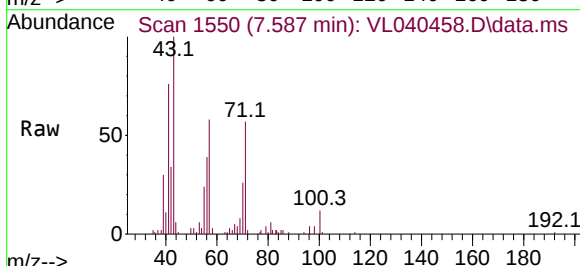
Acq: 5 Jun 2023 16:05

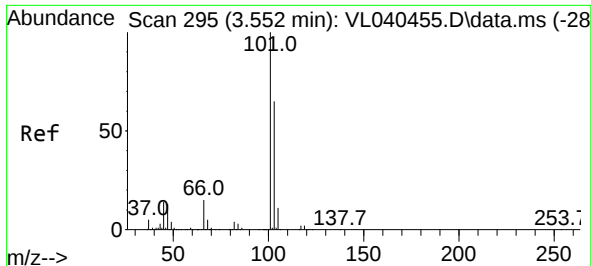
Tgt Ion: 43 Resp: 23187

Ion Ratio Lower Upper

43 100

57 123.8 42.5 63.7#

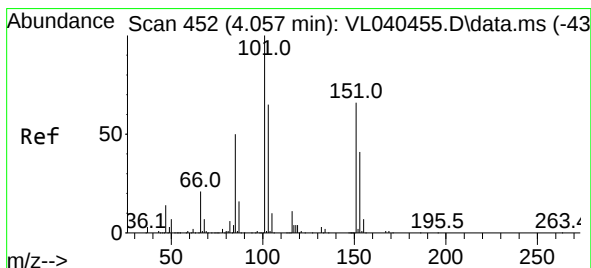
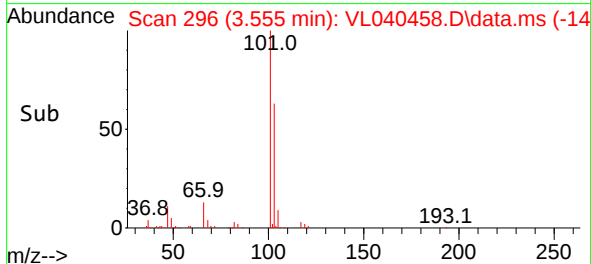
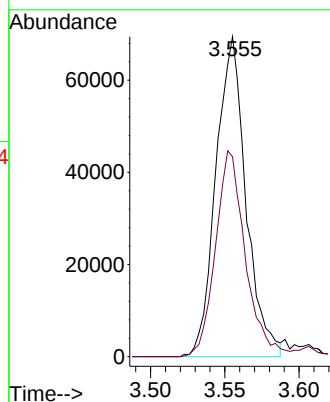
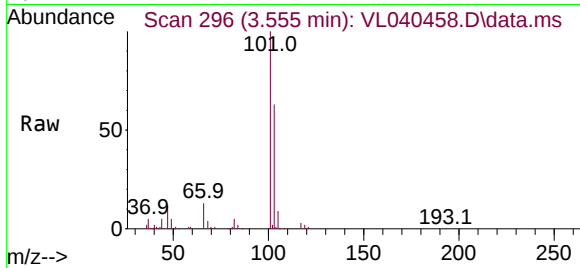




#11
 Trichlorofluoromethane
 Concen: 0.530 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

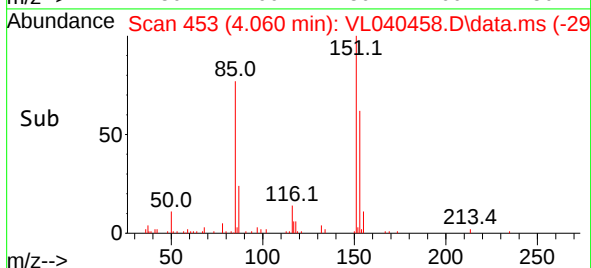
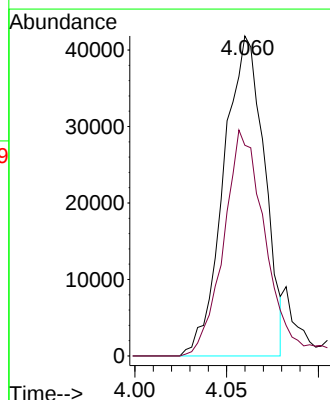
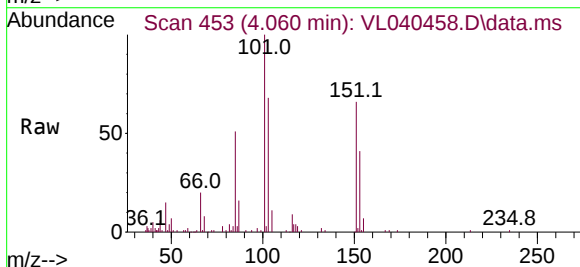
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

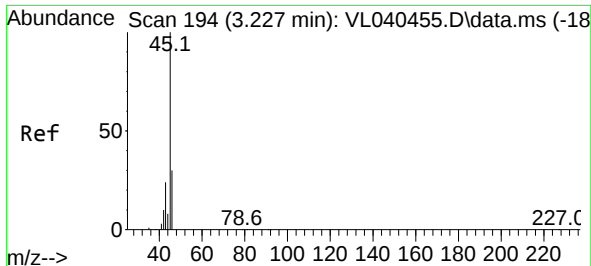
Tgt Ion:101 Resp: 97816
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.499 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion:101 Resp: 64444
 Ion Ratio Lower Upper
 101 100
 151 74.2 54.3 81.5

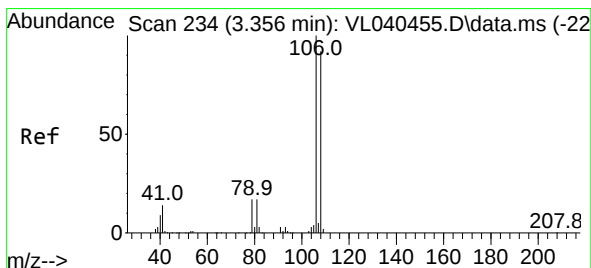
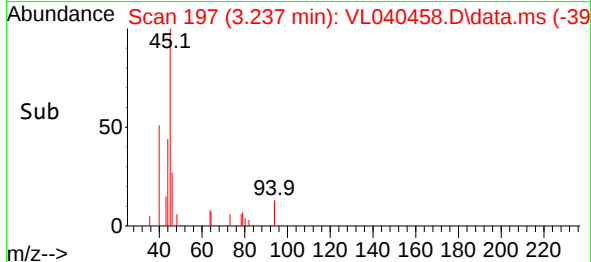
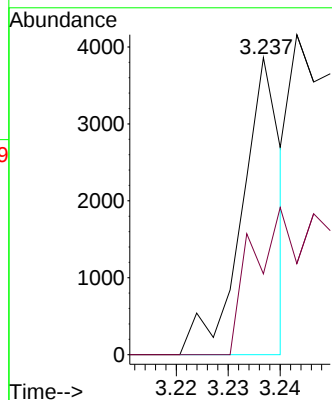
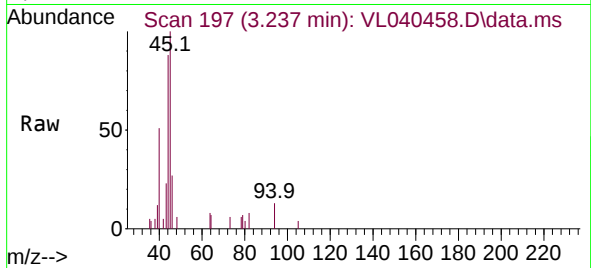




#13
Ethanol
Concen: 0.197 ppbv
RT: 3.237 min Scan# 194
Delta R.T. 0.010 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

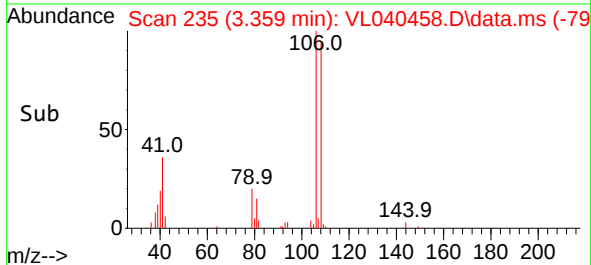
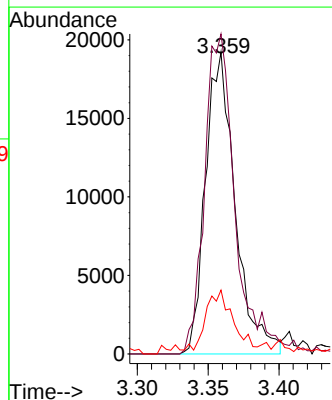
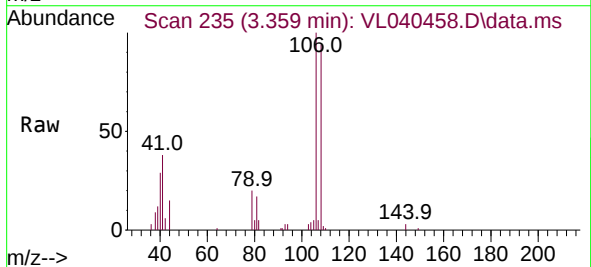
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

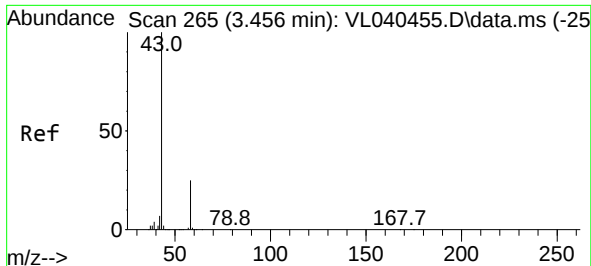
Tgt Ion: 45 Resp: 2020
Ion Ratio Lower Upper
45 100
46 6.1 14.5 58.1#



#14
Bromoethene
Concen: 0.520 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:108 Resp: 28044
Ion Ratio Lower Upper
108 100
106 111.3 87.4 131.0
79 25.5 15.9 23.9#

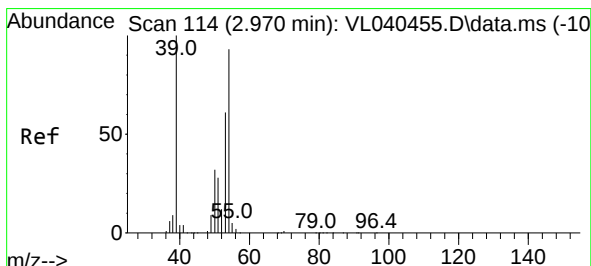
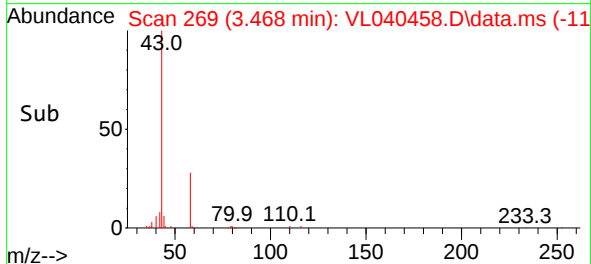
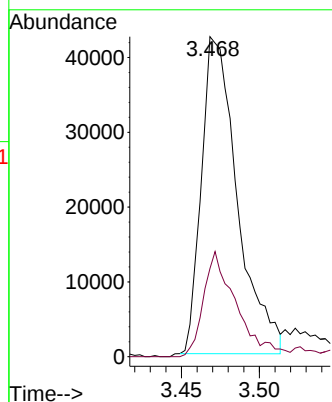
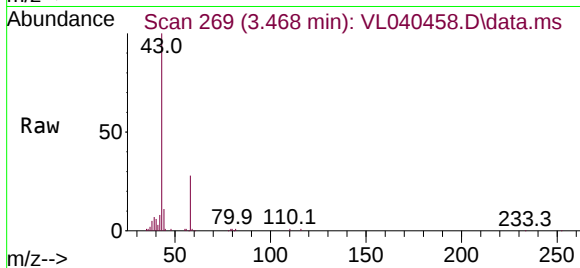




#15
Acetone
Concen: 0.542 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

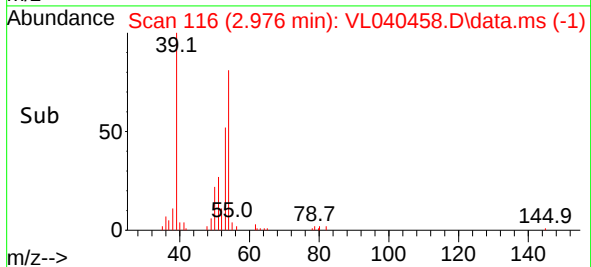
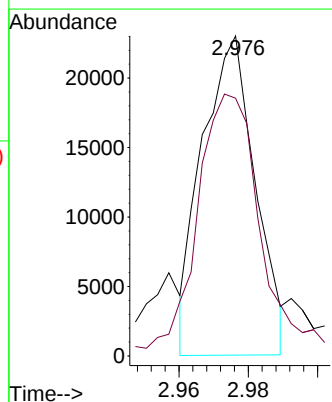
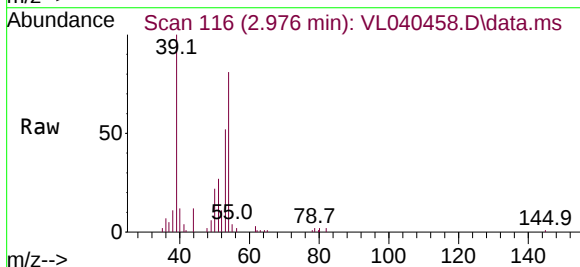
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

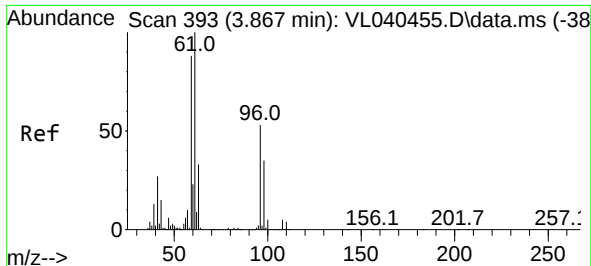
Tgt Ion: 43 Resp: 68101
Ion Ratio Lower Upper
43 100
58 32.9 21.6 32.4#



#16
1,3-Butadiene
Concen: 0.396 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.006 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 39 Resp: 24440
Ion Ratio Lower Upper
39 100
54 104.8 66.9 100.3#





#17

tert-Butyl alcohol

Concen: 0.450 ppbv

RT: 3.883 min Scan# 394

Delta R.T. 0.016 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_1

ClientSampleId :

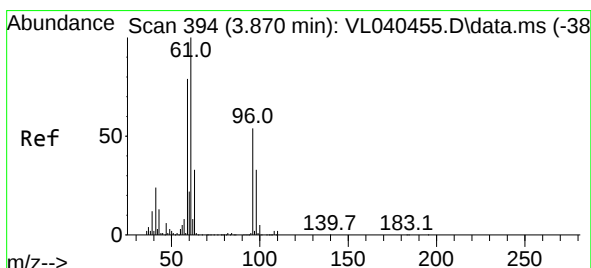
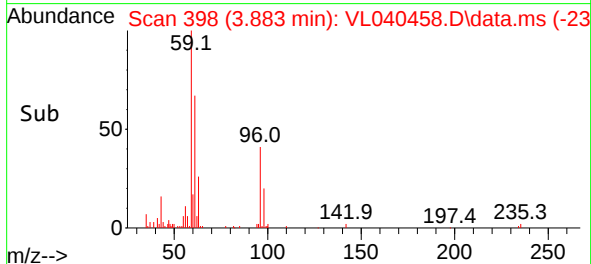
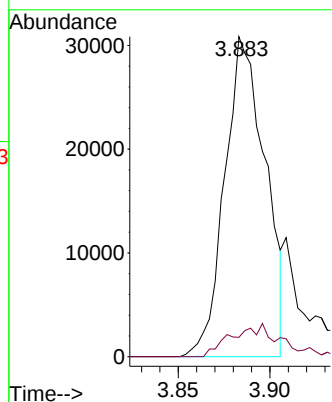
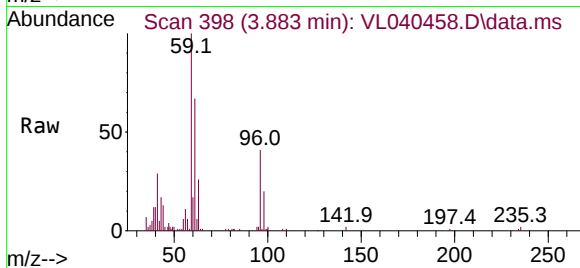
VSTDIC0.5

Tgt Ion: 59 Resp: 47232

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#18

1,1-Dichloroethene

Concen: 0.474 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

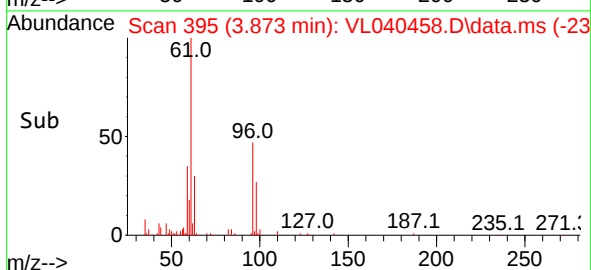
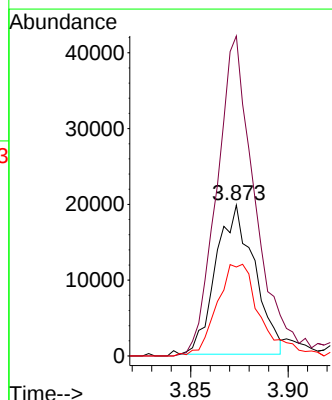
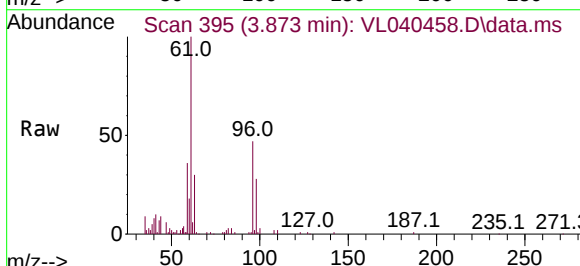
Tgt Ion: 96 Resp: 27222

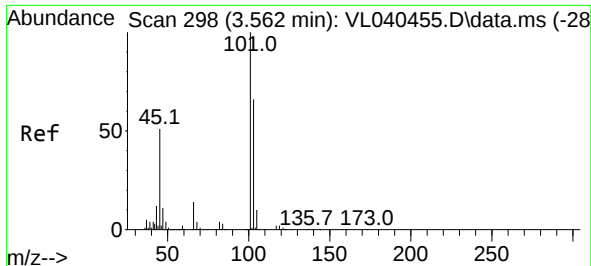
Ion Ratio Lower Upper

96 100

61 213.5 149.5 224.3

98 58.0 48.7 73.1





#19

Isopropyl Alcohol

Concen: 0.530 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

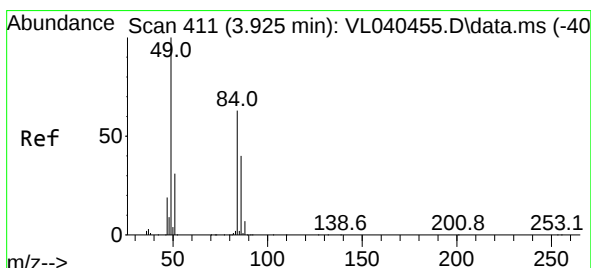
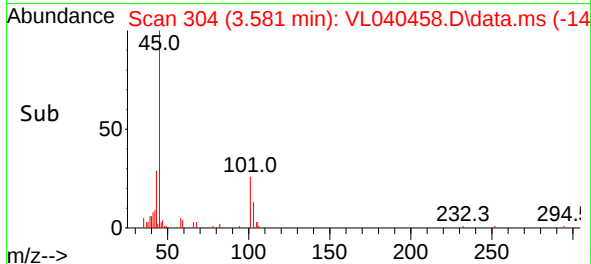
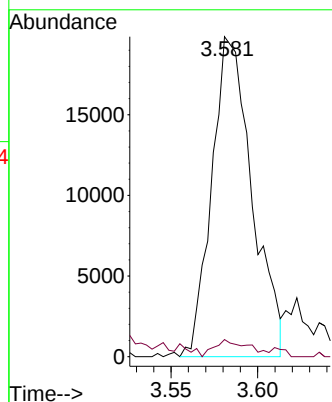
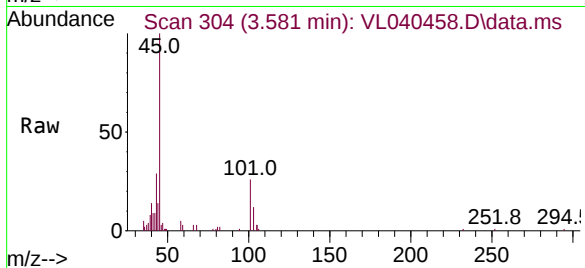
VSTDICC0.5

Tgt Ion: 45 Resp: 32098

Ion Ratio Lower Upper

45 100

58 5.3 2.6 4.0#



#20

Methylene Chloride

Concen: 0.558 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion: 84 Resp: 30405

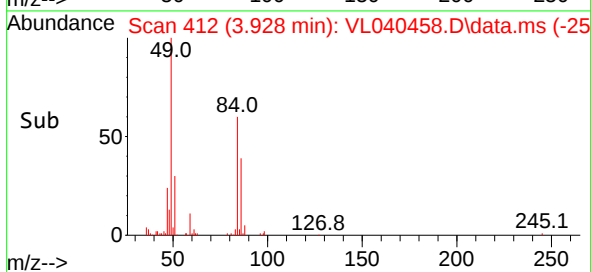
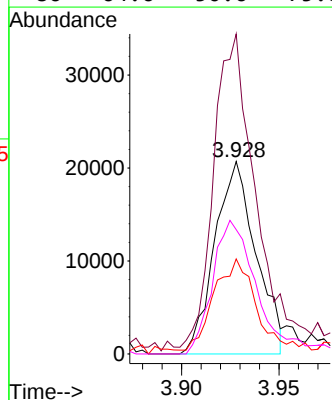
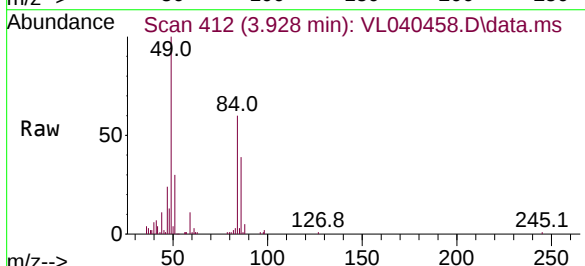
Ion Ratio Lower Upper

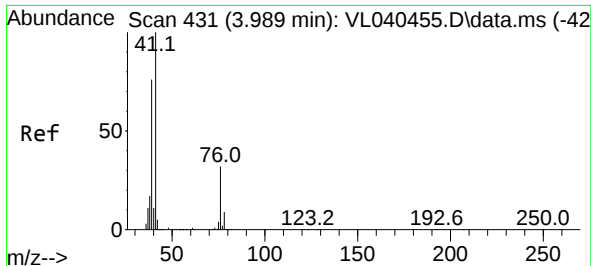
84 100

49 162.8 126.2 189.2

51 47.4 38.7 58.1

86 64.6 50.6 75.8

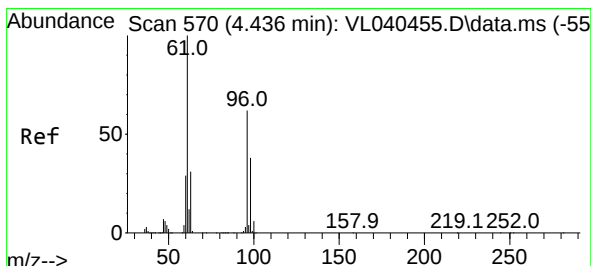
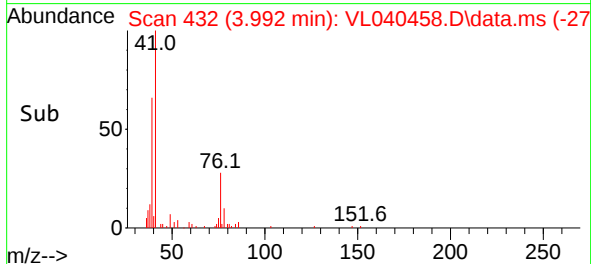
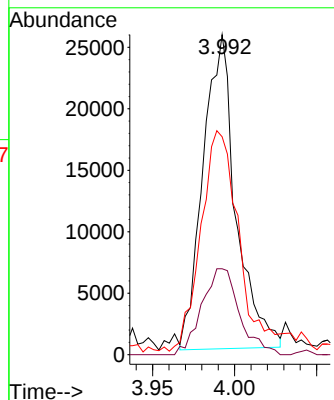
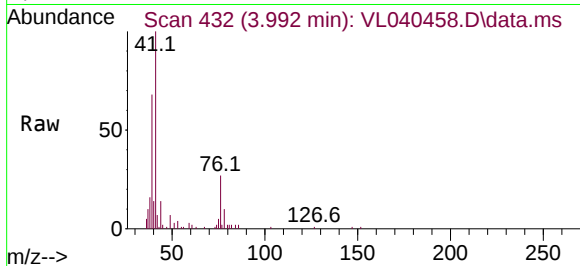




#21
 Allyl Chloride
 Concen: 0.501 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

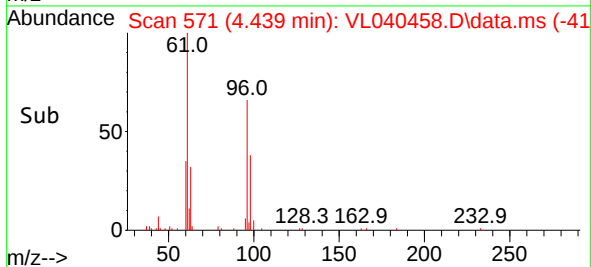
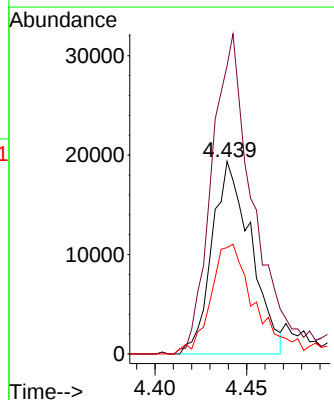
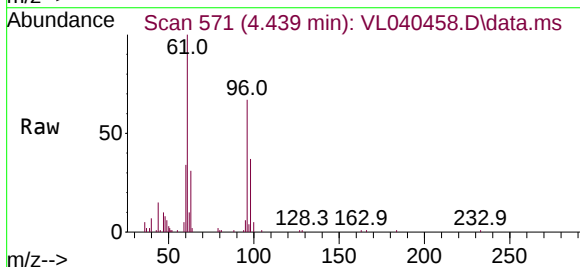
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

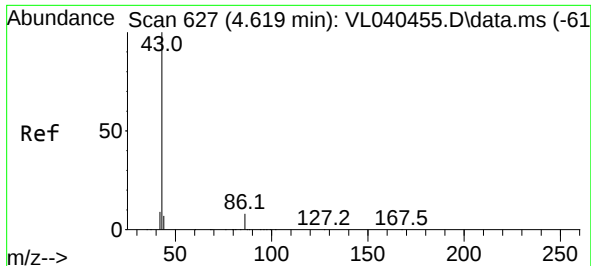
Tgt Ion: 41 Resp: 35594
 Ion Ratio Lower Upper
 41 100
 76 31.8 26.1 39.1
 39 86.0 63.9 95.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.486 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 96 Resp: 28679
 Ion Ratio Lower Upper
 96 100
 61 147.1 128.1 192.1
 98 52.9 48.2 72.4

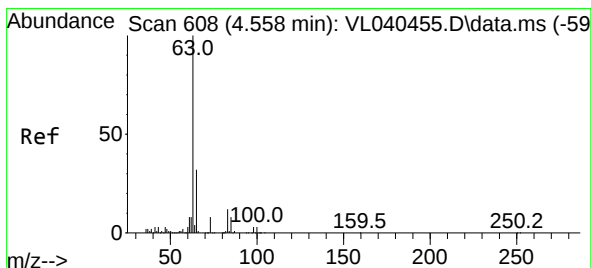
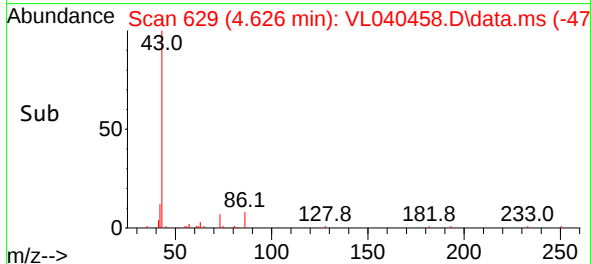
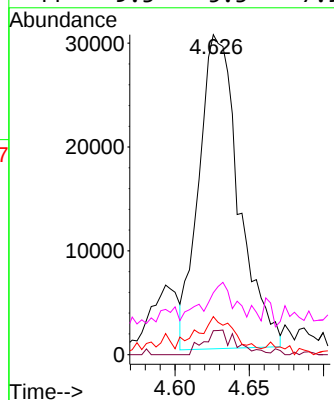
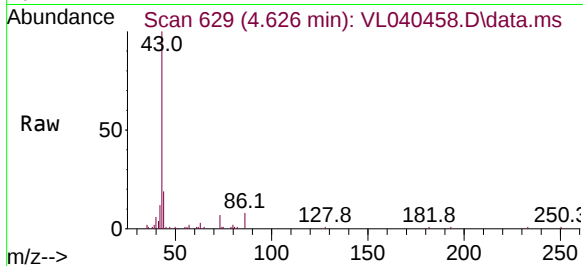




#23
 Vinyl Acetate
 Concen: 0.463 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

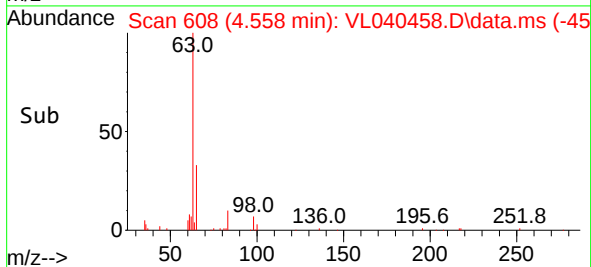
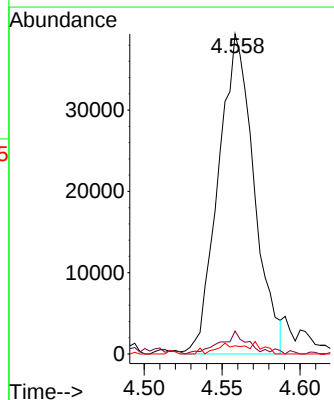
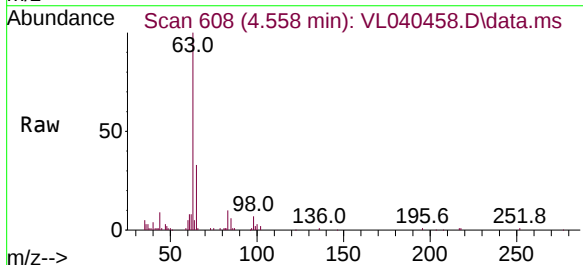
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

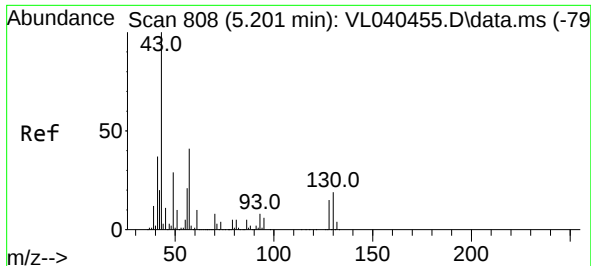
Tgt Ion: 43 Resp: 56635
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.8 8.6
 42 10.1 7.4 11.2
 44 9.3 5.3 7.9#



#24
 1,1-Dichloroethane
 Concen: 0.510 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 63 Resp: 62767
 Ion Ratio Lower Upper
 63 100
 98 6.2 1.8 5.5#
 100 2.5 1.4 4.0



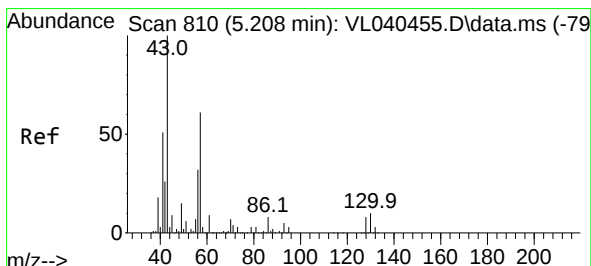
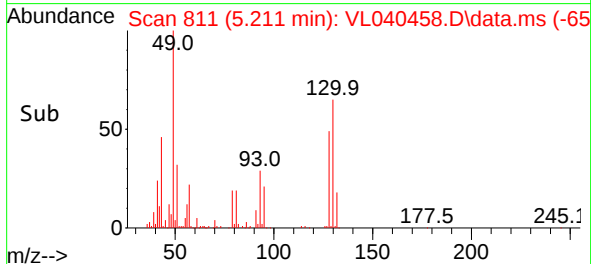
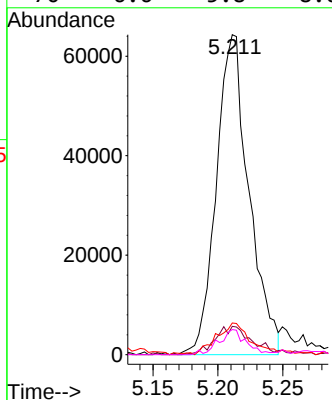
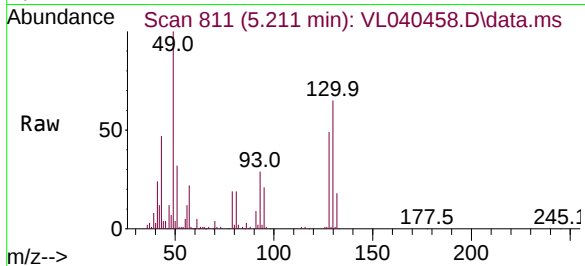


#25
Ethyl Acetate
Concen: 0.494 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 112452

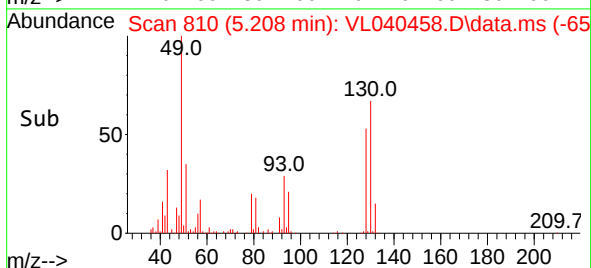
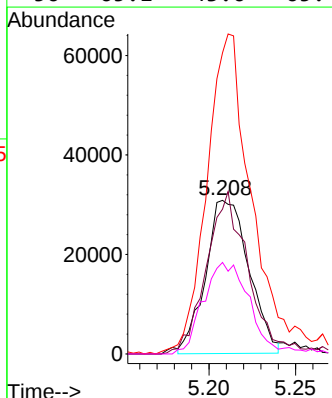
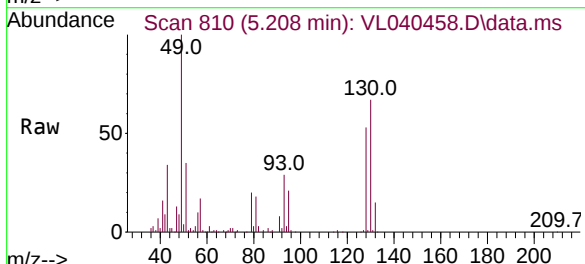
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.0	12.0
61	11.2	8.1	12.1
70	6.6	5.8	8.6

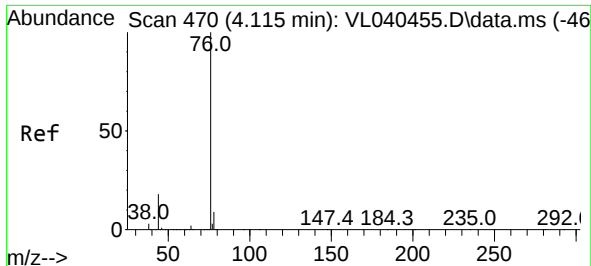


#26
Hexane
Concen: 0.497 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 57 Resp: 53607

Ion	Ratio	Lower	Upper
57	100		
41	105.6	73.0	109.6
43	228.2	177.5	266.3
56	65.1	43.6	65.4





#27

Carbon Disulfide

Concen: 0.460 ppbv

RT: 4.118 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

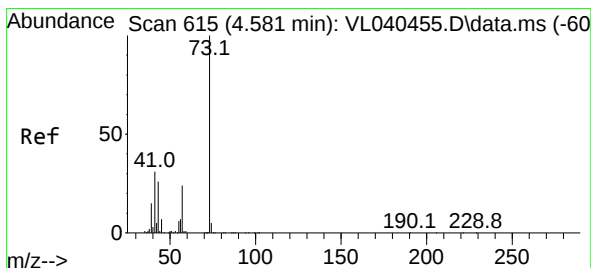
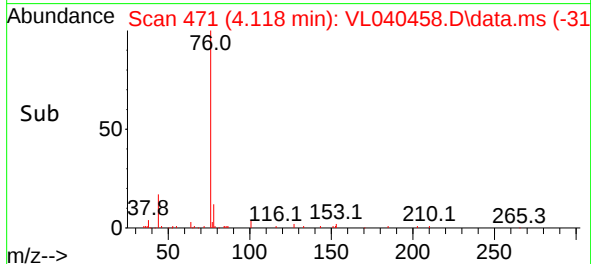
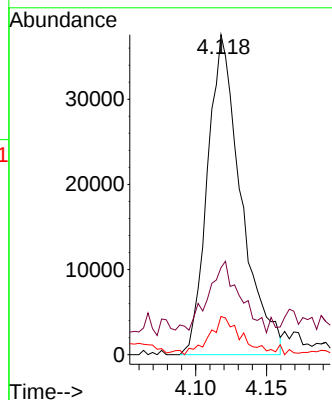
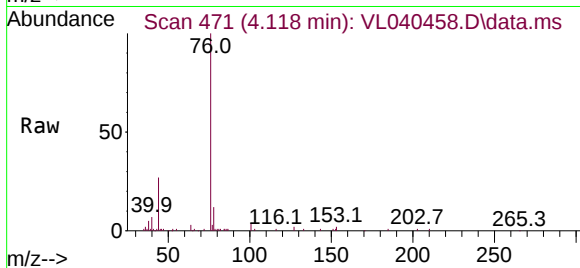
Tgt Ion: 76 Resp: 62010

Ion Ratio Lower Upper

76 100

44 24.9 14.6 22.0#

78 13.1 7.6 11.4#



#28

Methyl tert-Butyl Ether

Concen: 0.486 ppbv

RT: 4.590 min Scan# 618

Delta R.T. 0.010 min

Lab File: VL040458.D

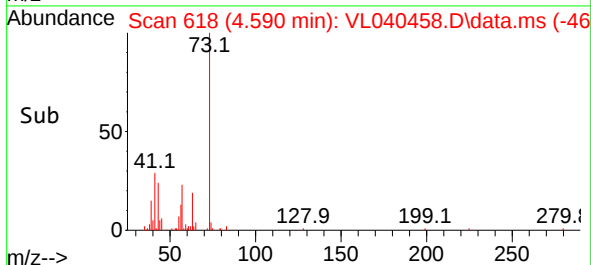
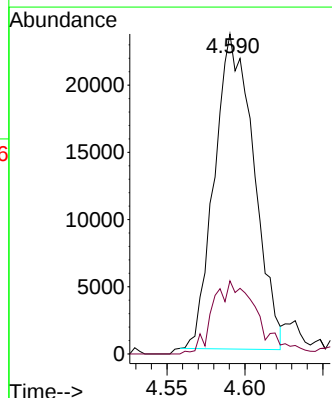
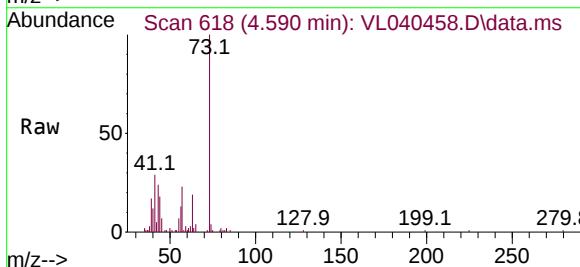
Acq: 5 Jun 2023 16:05

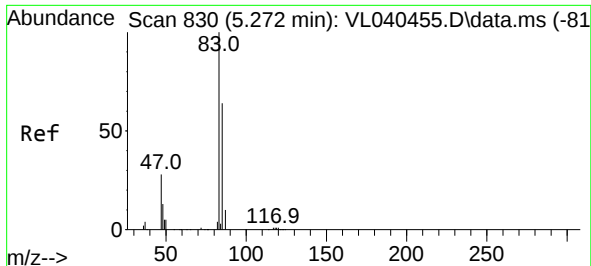
Tgt Ion: 73 Resp: 41122

Ion Ratio Lower Upper

73 100

57 27.7 19.0 28.4





#29

Chloroform

Concen: 0.517 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

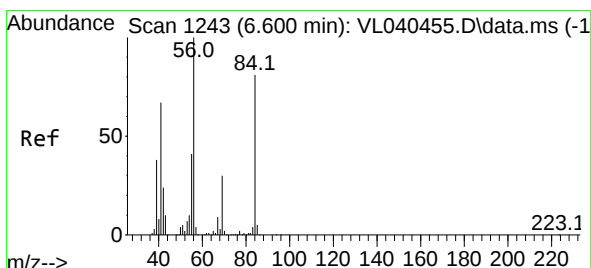
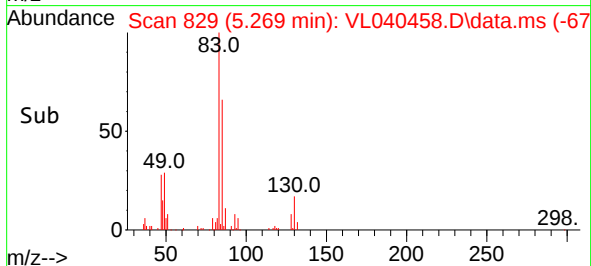
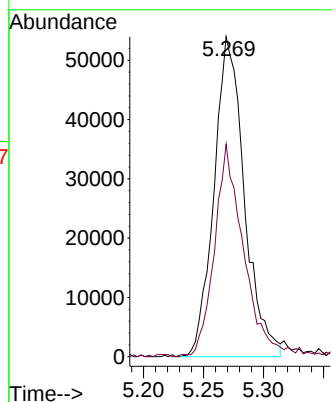
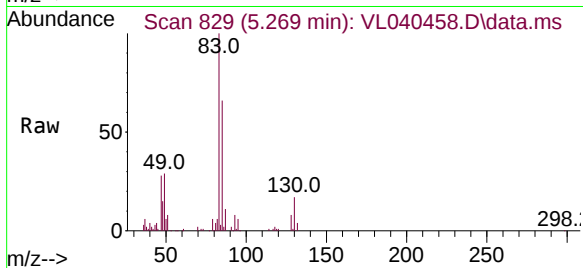
VSTDICC0.5

Tgt Ion: 83 Resp: 94951

Ion Ratio Lower Upper

83 100

85 65.9 51.1 76.7



#30

Cyclohexane

Concen: 0.405 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.006 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

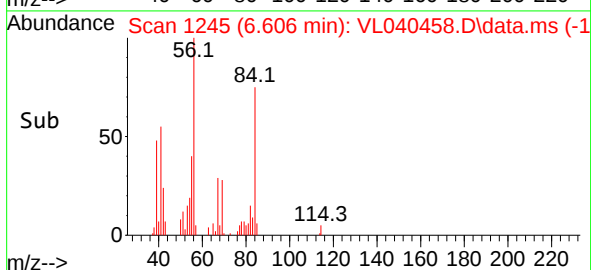
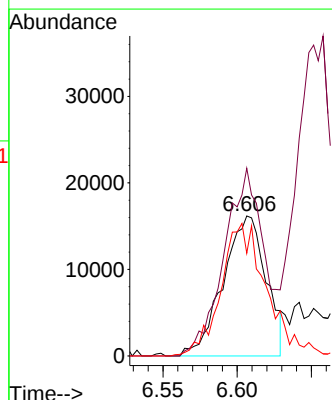
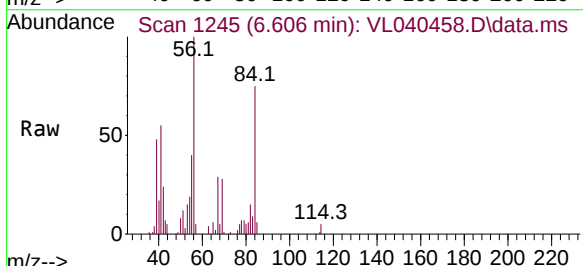
Tgt Ion: 84 Resp: 32507

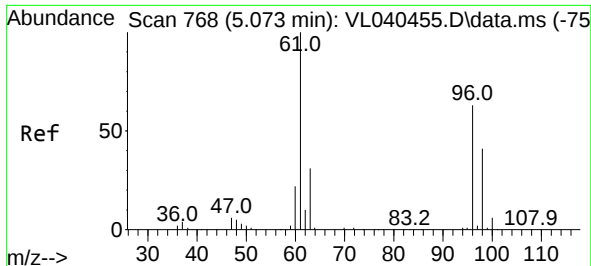
Ion Ratio Lower Upper

84 100

56 121.9 106.0 159.0

41 101.9 66.8 100.2#

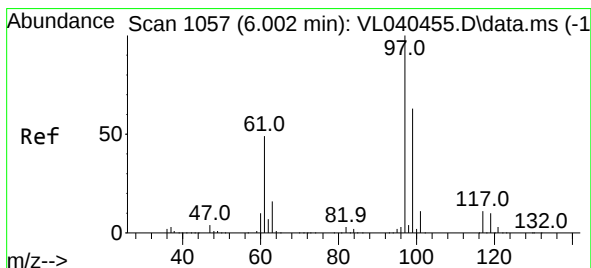
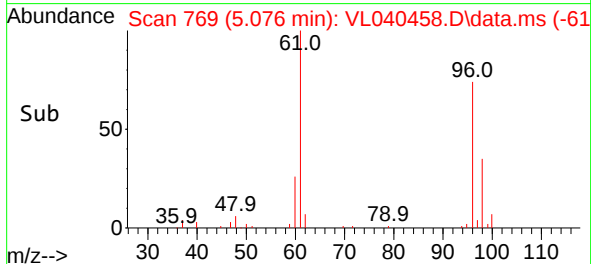
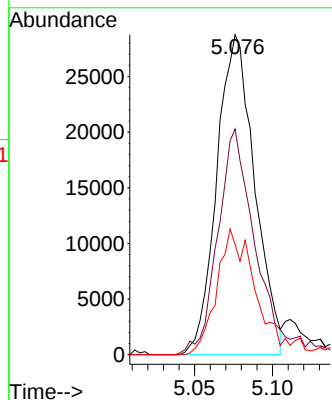
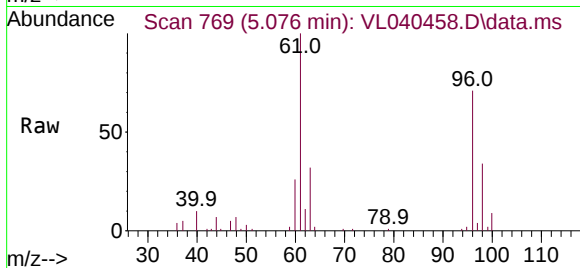




#31
 cis-1,2-Dichloroethene
 Concen: 0.471 ppbv
 RT: 5.076 min Scan# 768
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

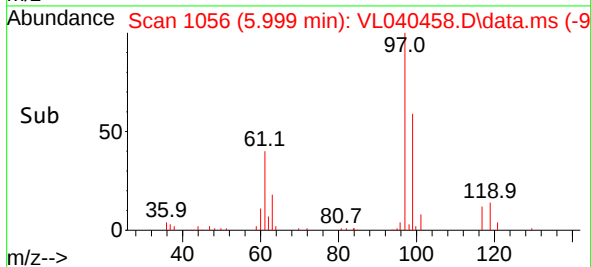
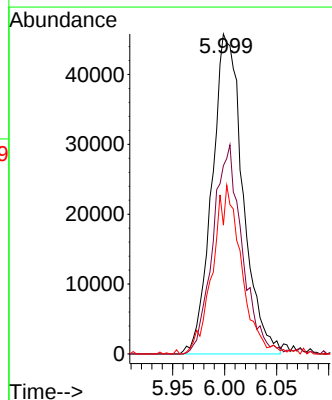
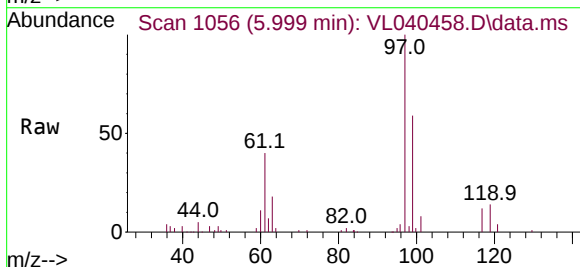
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

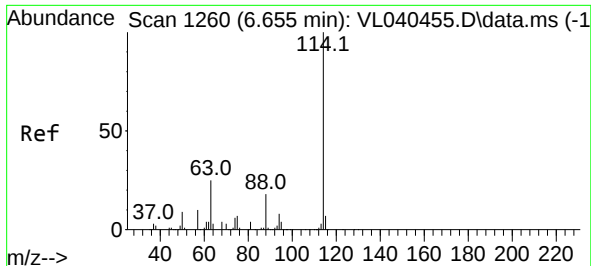
Tgt Ion: 61 Resp: 48557
 Ion Ratio Lower Upper
 61 100
 96 70.0 50.2 75.4
 98 34.4 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.517 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 97 Resp: 94666
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.5 77.3
 61 49.7 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

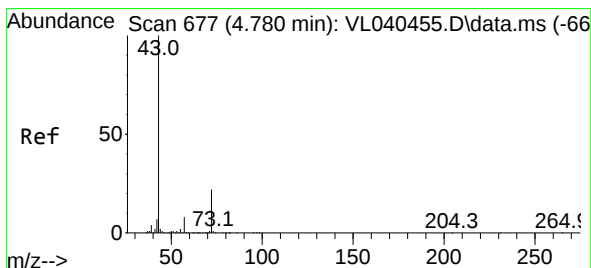
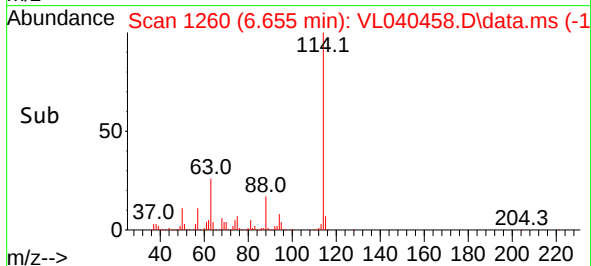
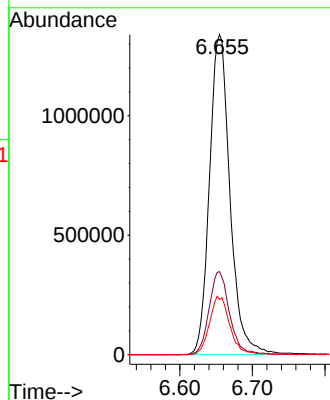
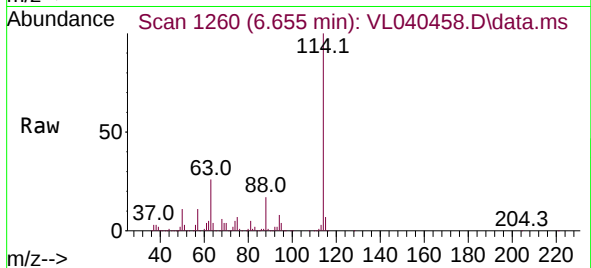
Tgt Ion:114 Resp: 2632641

Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 0.500 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL040458.D

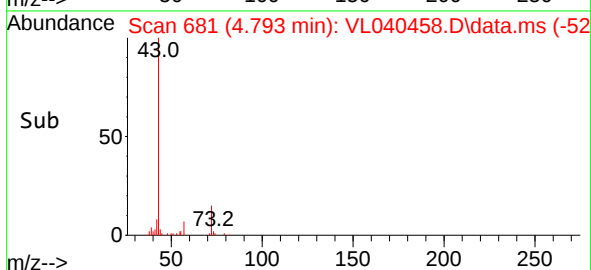
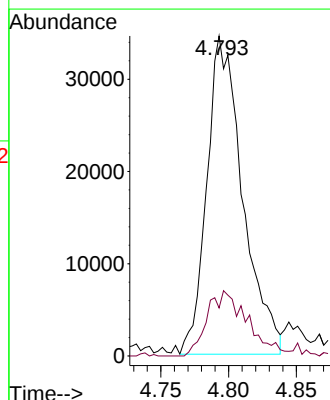
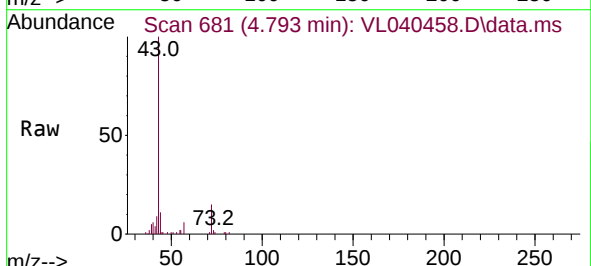
Acq: 5 Jun 2023 16:05

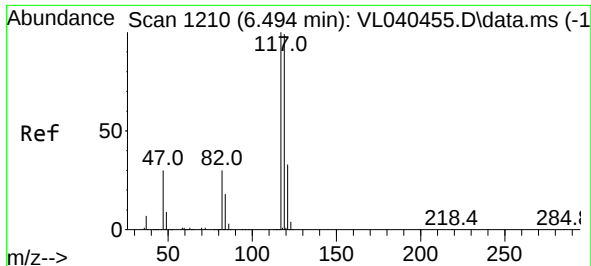
Tgt Ion: 43 Resp: 63518

Ion Ratio Lower Upper

43 100

72 24.8 18.1 27.1

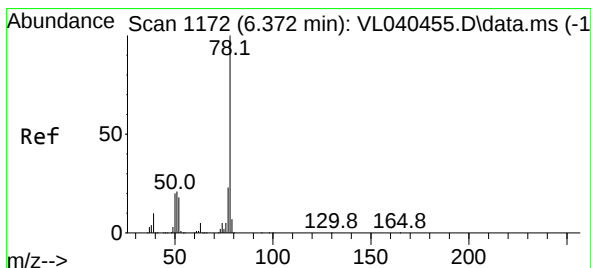
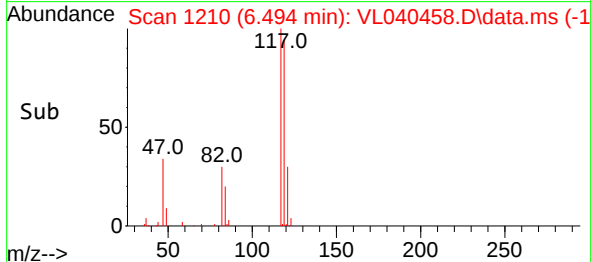
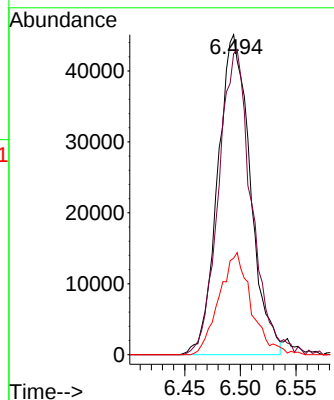
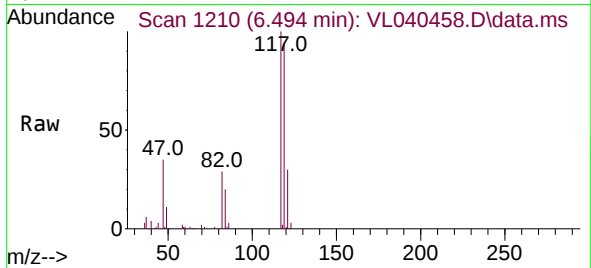




#35
Carbon Tetrachloride
Concen: 0.506 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

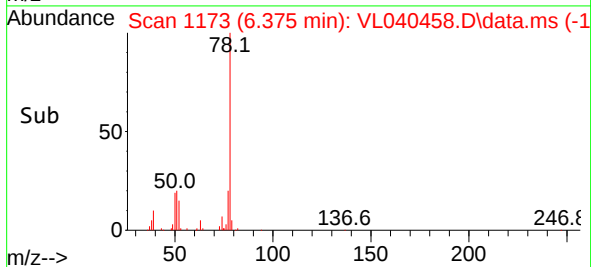
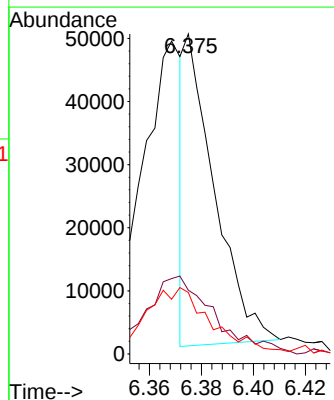
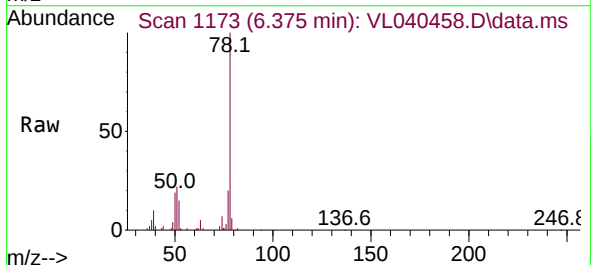
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

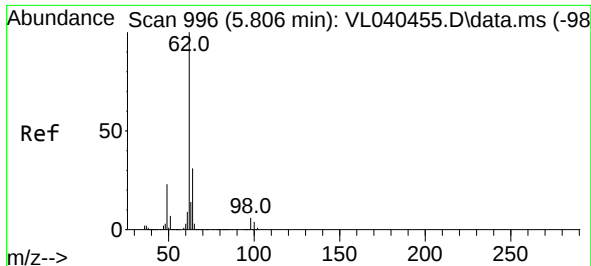
Tgt Ion:117 Resp: 91528
Ion Ratio Lower Upper
117 100
119 94.1 79.1 118.7
121 30.1 26.0 39.0



#36
Benzene
Concen: 0.187 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 78 Resp: 39118
Ion Ratio Lower Upper
78 100
77 19.0 18.5 27.7
50 18.7 16.1 24.1





#37

1,2-Dichloroethane

Concen: 0.487 ppbv

RT: 5.806 min Scan# 996

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

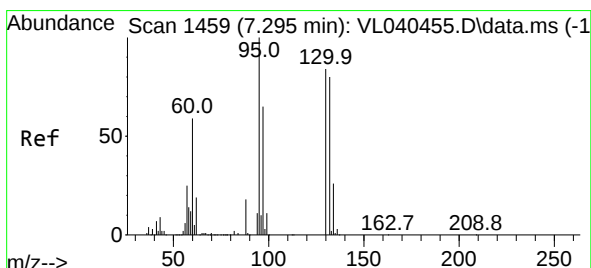
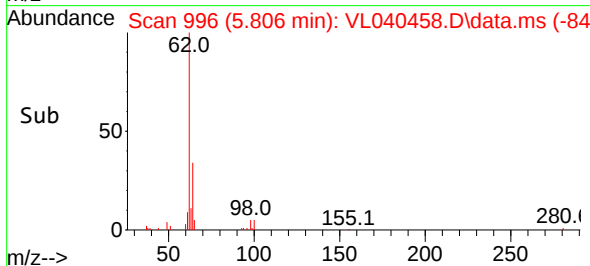
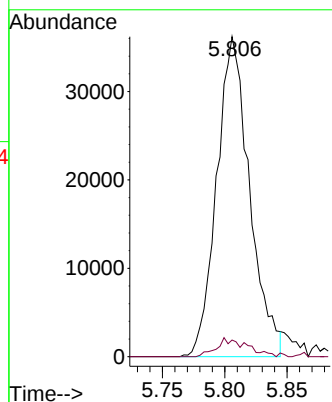
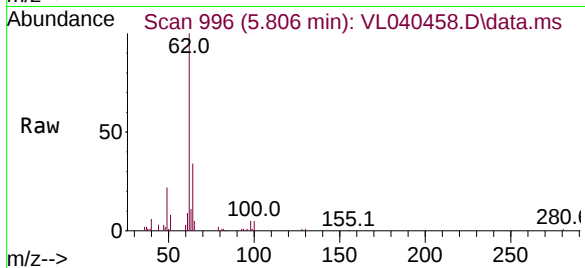
VSTDIC0.5

Tgt Ion: 62 Resp: 66485

Ion Ratio Lower Upper

62 100

98 5.8 4.6 6.8



#38

Trichloroethene

Concen: 0.279 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. -0.007 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion:130 Resp: 22418

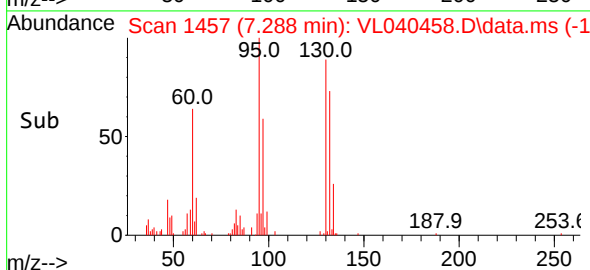
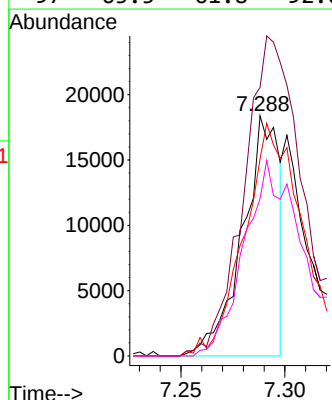
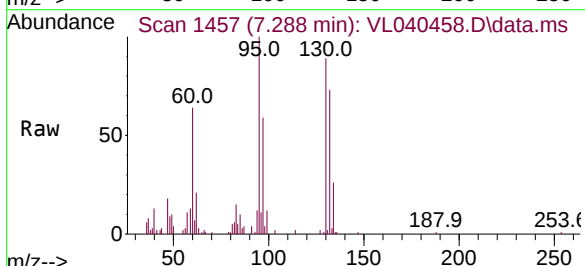
Ion Ratio Lower Upper

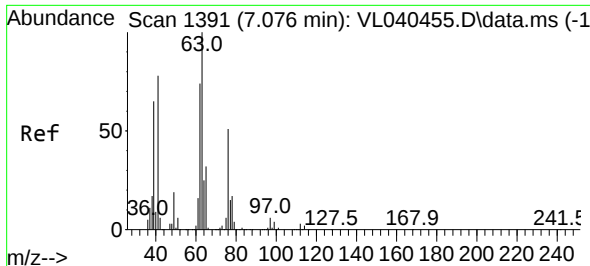
130 100

95 111.9 95.4 143.0

132 82.1 76.3 114.5

97 65.5 61.8 92.6





#39

1,2-Dichloropropane

Concen: 0.288 ppbv

RT: 7.079 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

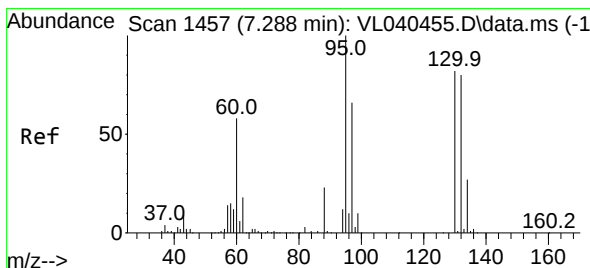
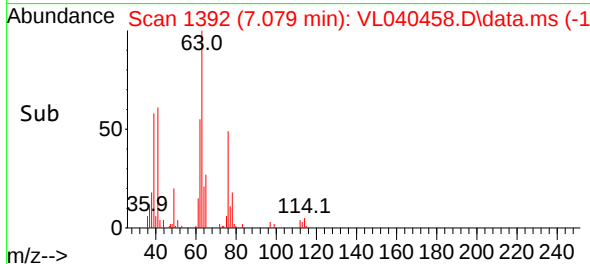
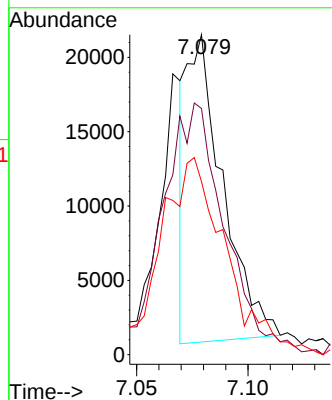
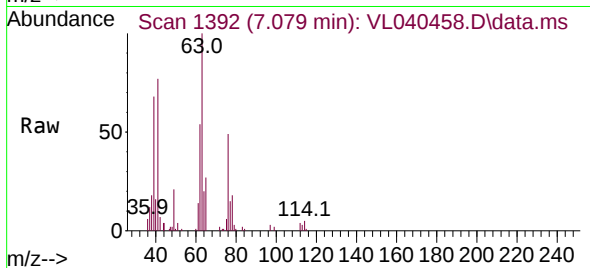
Tgt Ion: 63 Resp: 23506

Ion Ratio Lower Upper

63 100

41 77.6 62.2 93.2

62 53.4 59.0 88.4#



#40

1,4-Dioxane

Concen: 0.110 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.022 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion: 88 Resp: 2463

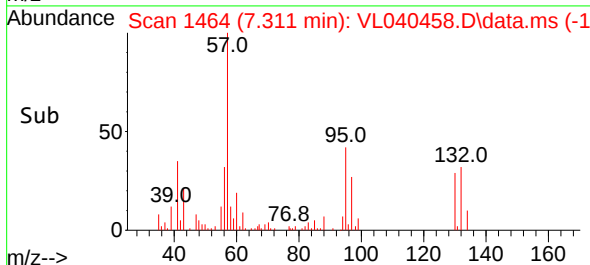
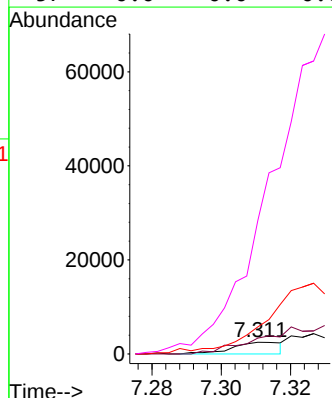
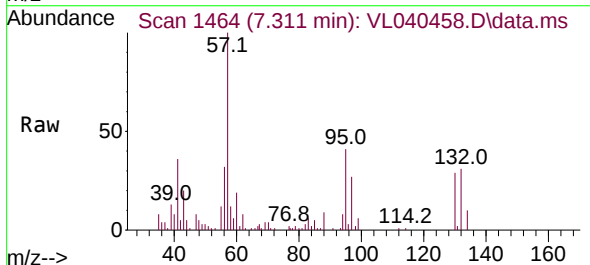
Ion Ratio Lower Upper

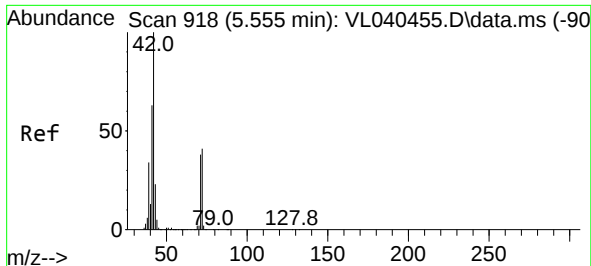
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.162 ppbv

RT: 5.574 min Scan# 91

Delta R.T. 0.019 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

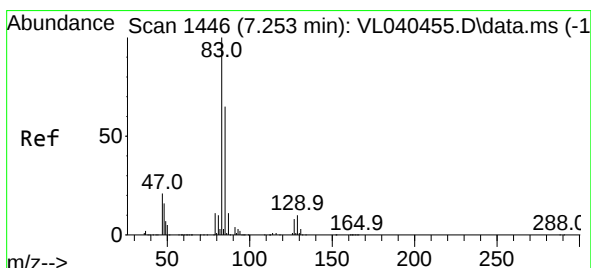
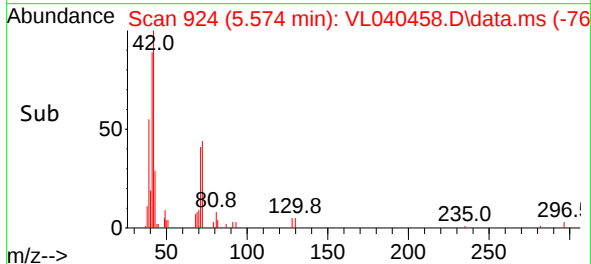
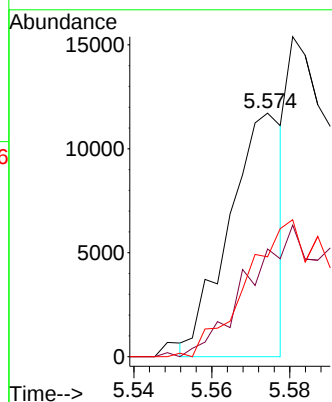
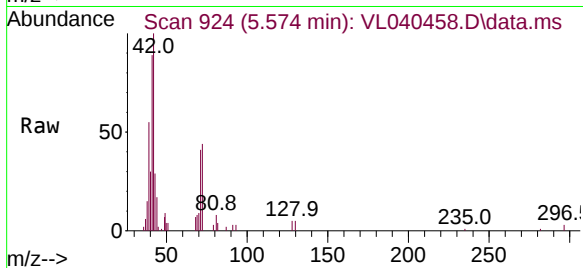
Tgt Ion: 42 Resp: 11151

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.8#

71 0.0 32.3 48.5#



#42

Bromodichloromethane

Concen: 0.465 ppbv

RT: 7.249 min Scan# 1445

Delta R.T. -0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

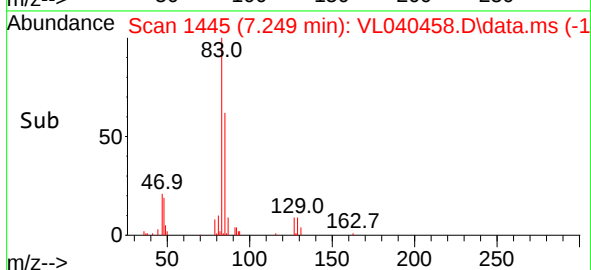
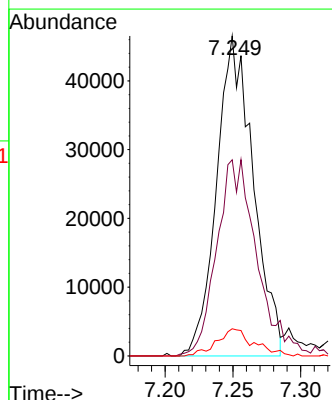
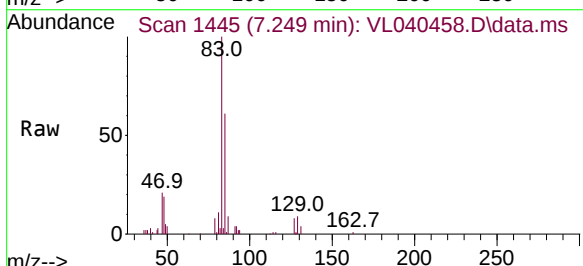
Tgt Ion: 83 Resp: 87333

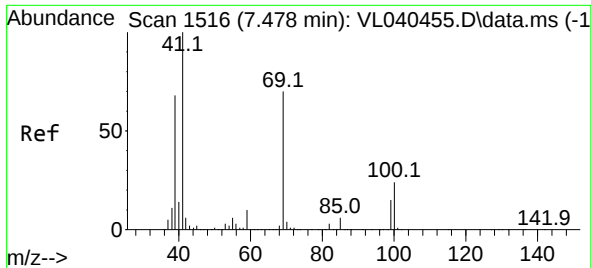
Ion Ratio Lower Upper

83 100

85 60.8 51.8 77.6

127 8.5 6.1 9.1

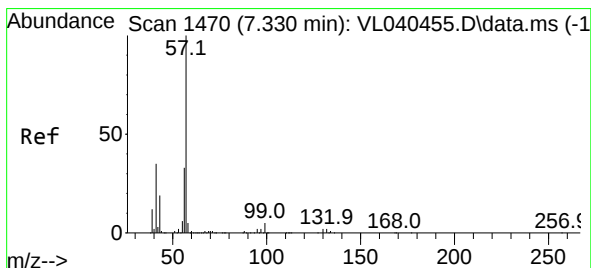
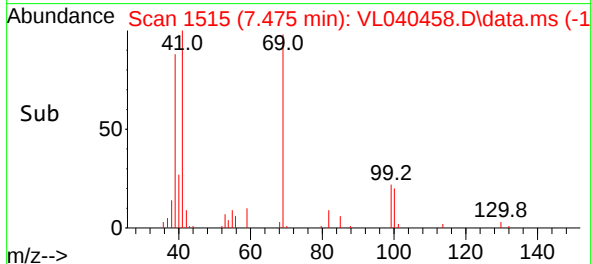
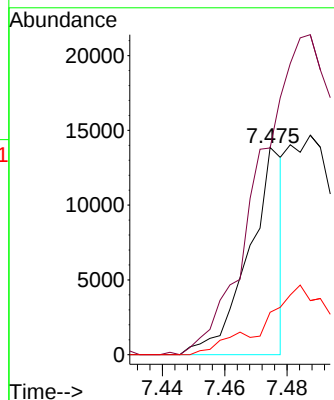
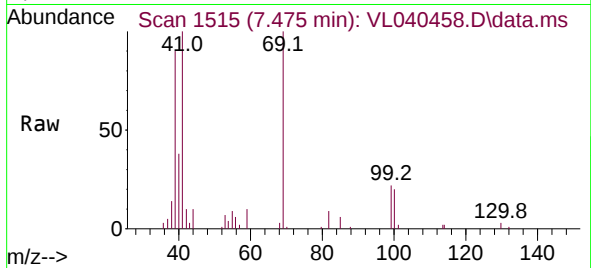




#43
Methyl Methacrylate
Concen: 0.140 ppbv
RT: 7.475 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

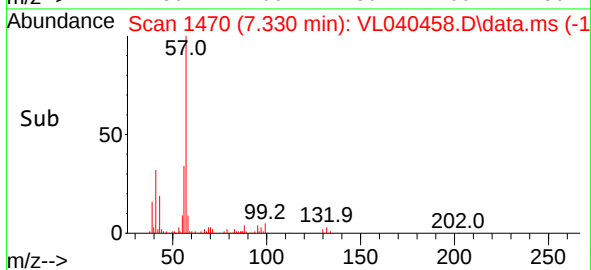
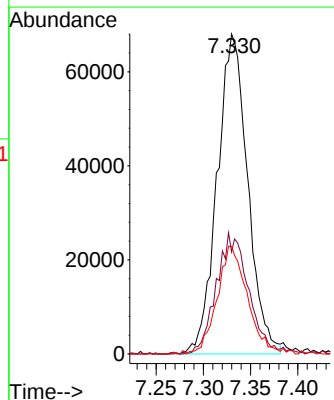
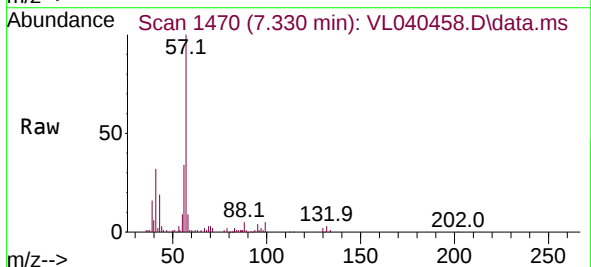
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

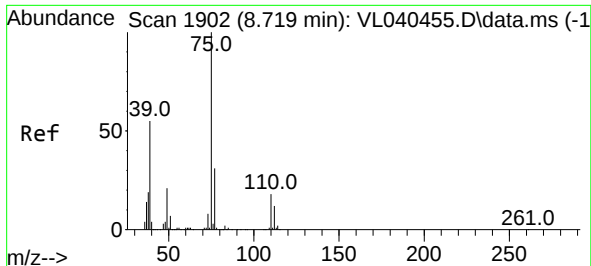
Tgt Ion: 69 Resp: 10547
Ion Ratio Lower Upper
69 100
41 0.0 114.3 171.5#
100 0.0 25.4 38.2#



#44
2,2,4-Trimethylpentane
Concen: 0.447 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 57 Resp: 152937
Ion Ratio Lower Upper
57 100
41 40.2 27.8 41.8
56 33.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.141 ppbv

RT: 8.719 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

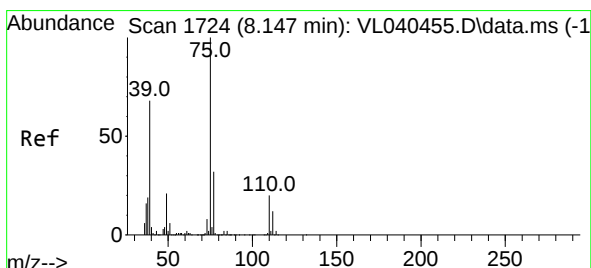
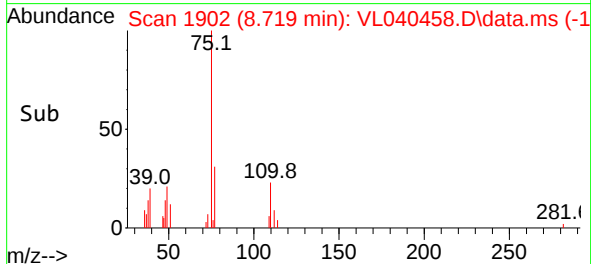
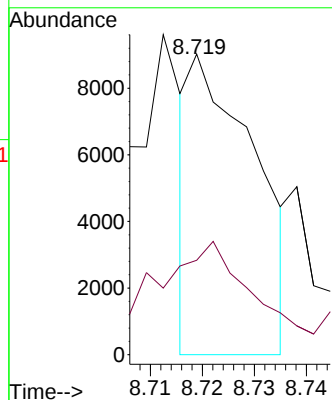
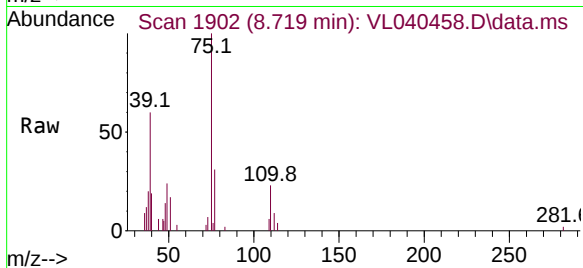
VSTDICC0.5

Tgt Ion: 75 Resp: 7826

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.113 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.010 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

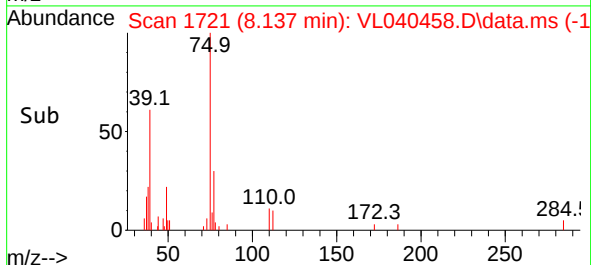
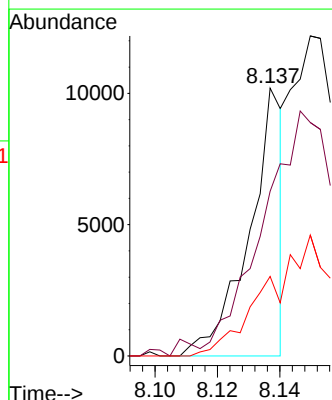
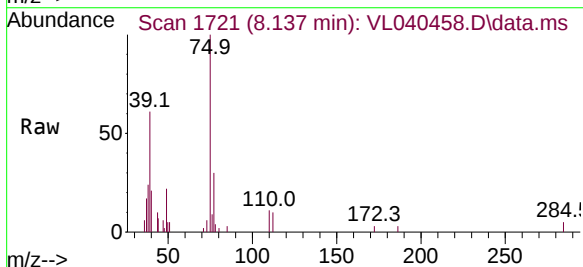
Tgt Ion: 75 Resp: 7615

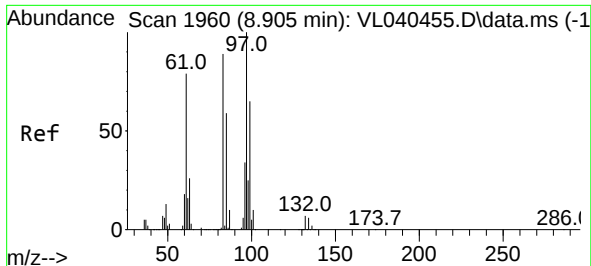
Ion Ratio Lower Upper

75 100

39 55.2 54.2 81.4

77 29.7 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 0.341 ppbv

RT: 8.899 min Scan# 1960

Delta R.T. -0.007 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 30235

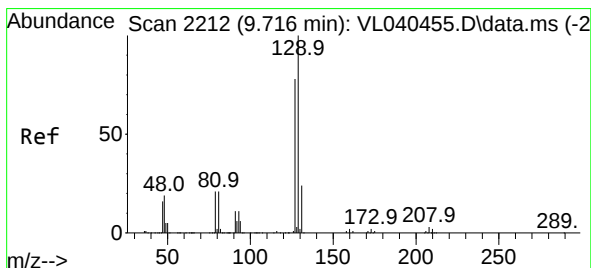
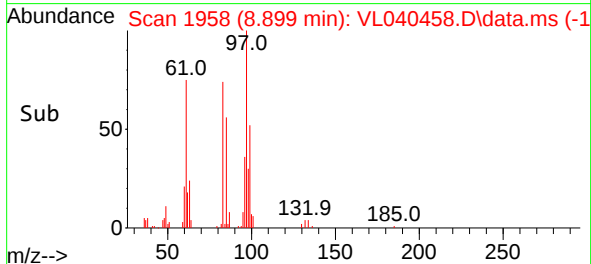
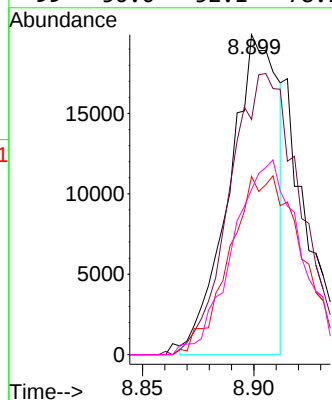
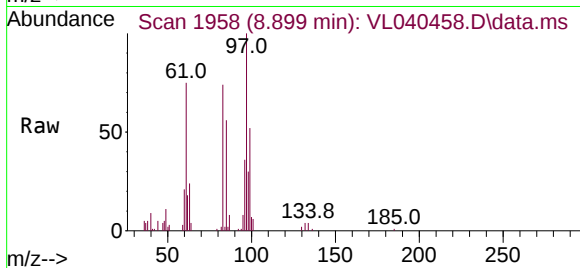
Ion Ratio Lower Upper

97 100

83 74.0 71.4 107.2

85 55.5 47.2 70.8

99 50.0 52.1 78.1#



#48

Dibromochloromethane

Concen: 0.424 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.003 min

Lab File: VL040458.D

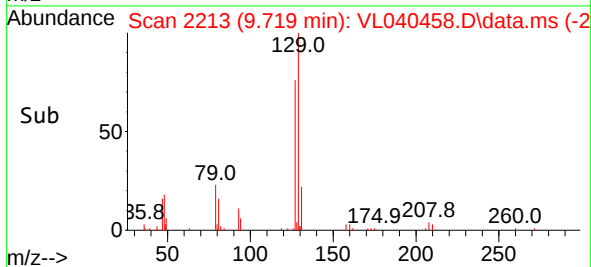
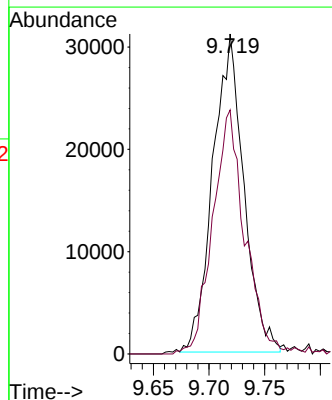
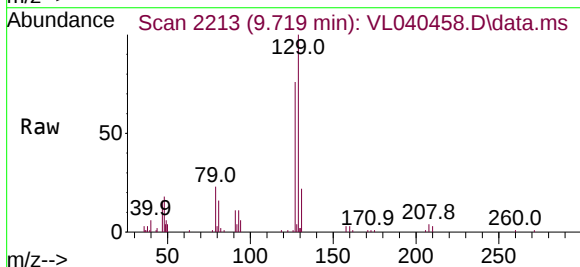
Acq: 5 Jun 2023 16:05

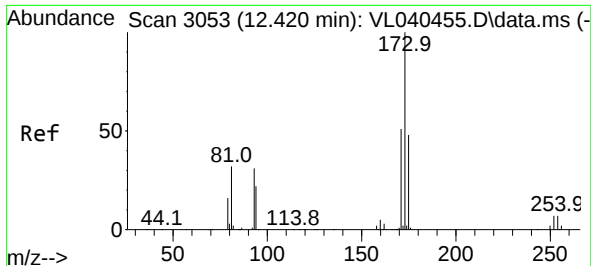
Tgt Ion: 129 Resp: 60137

Ion Ratio Lower Upper

129 100

127 80.1 39.4 118.1

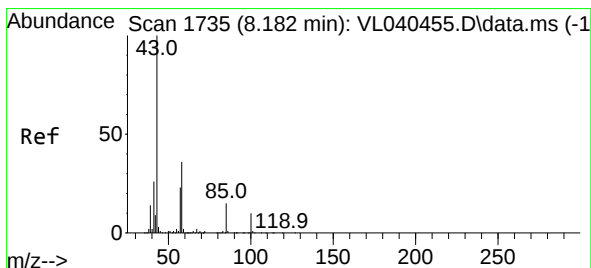
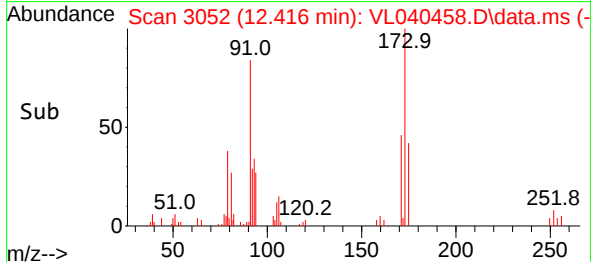
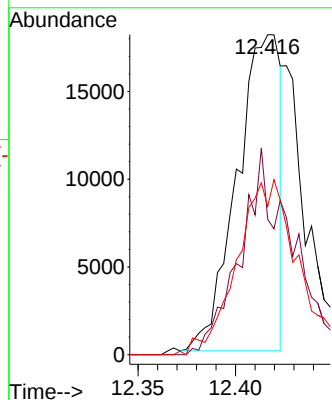
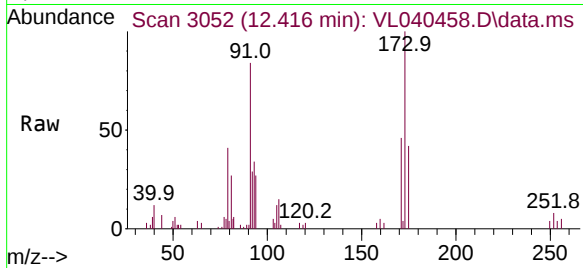




#49
Bromoform
Concen: 0.260 ppbv
RT: 12.416 min Scan# 3052
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

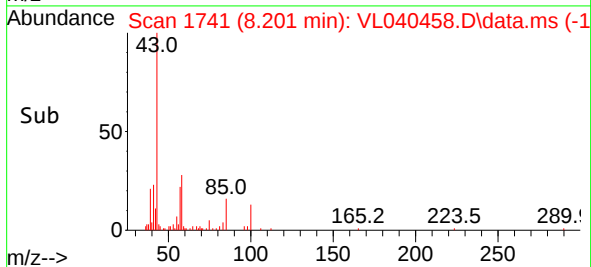
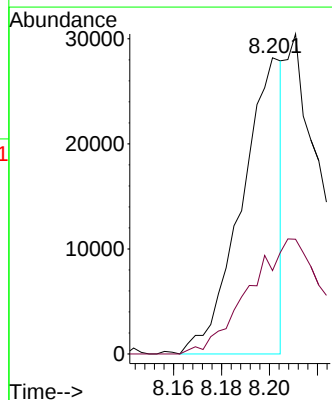
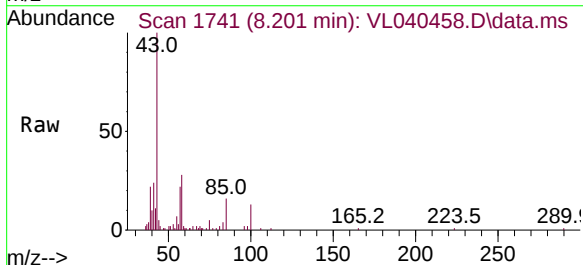
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

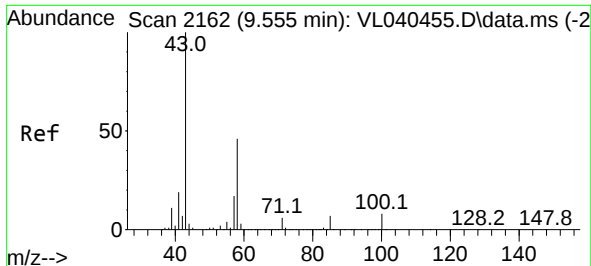
Tgt Ion:173 Resp: 27841
Ion Ratio Lower Upper
173 100
175 79.5 39.2 58.8#
171 79.8 42.2 63.2#



#50
4-Methyl-2-Pentanone
Concen: 0.195 ppbv
RT: 8.201 min Scan# 1741
Delta R.T. 0.019 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 43 Resp: 32988
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#

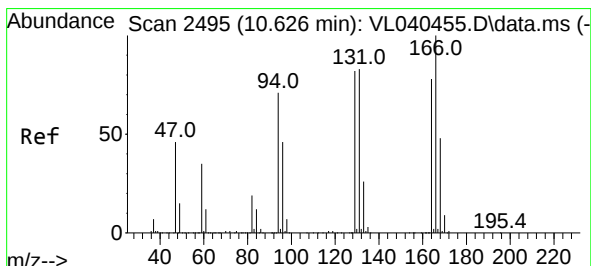
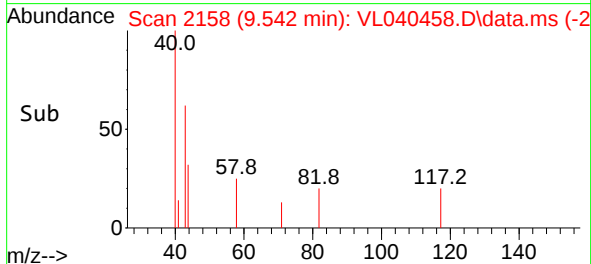
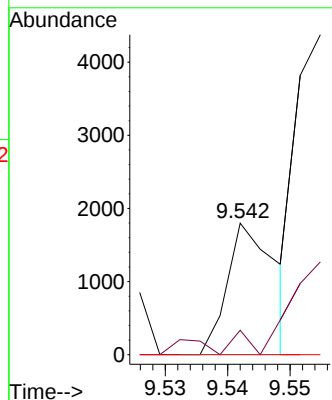
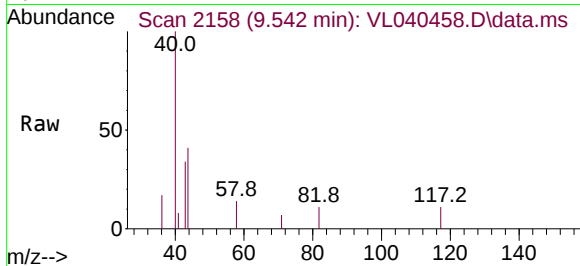




#51
2-Hexanone
Concen: 0.008 ppbv
RT: 9.542 min Scan# 2162
Delta R.T. -0.013 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

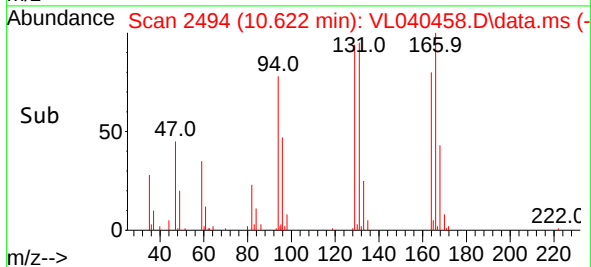
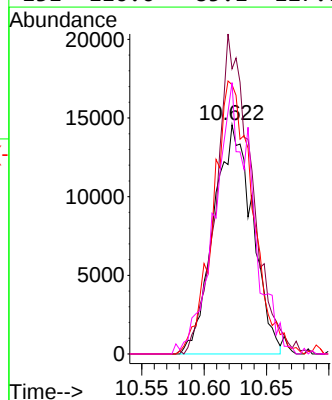
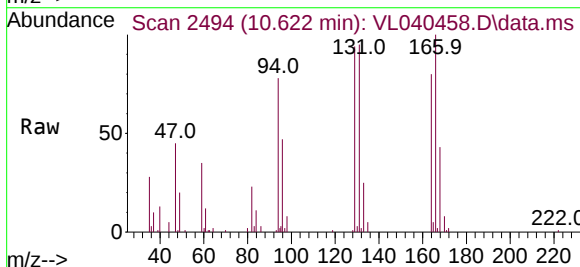
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

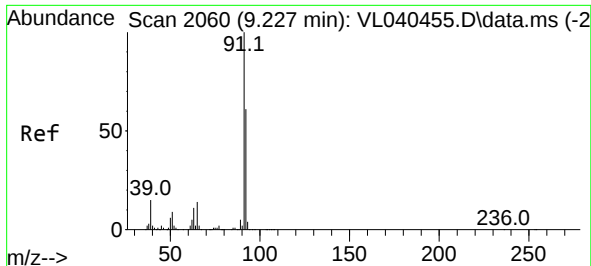
Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
58 0.0 37.1 55.7#
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.481 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 164 Resp: 31642
Ion Ratio Lower Upper
164 100
166 123.0 102.7 154.1
129 116.4 84.6 126.8
131 116.6 85.1 127.7

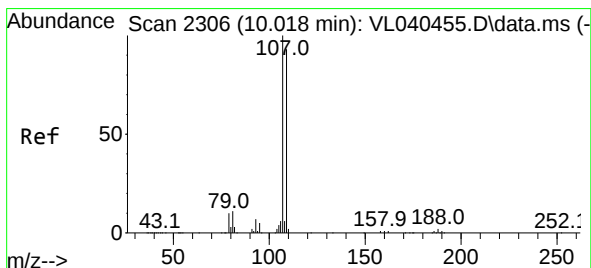
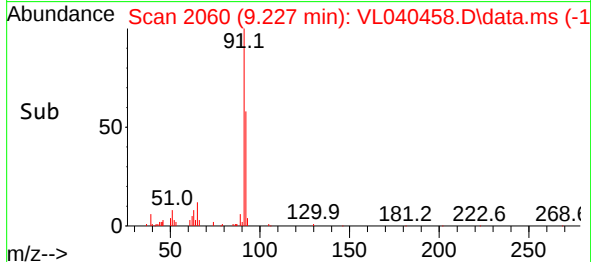
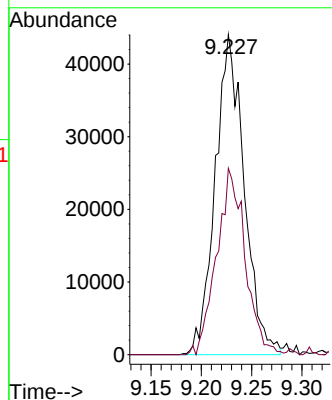
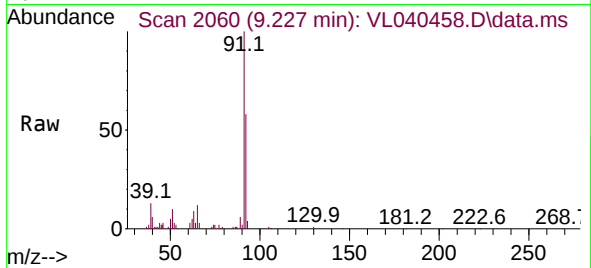




#53
Toluene
Concen: 0.400 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

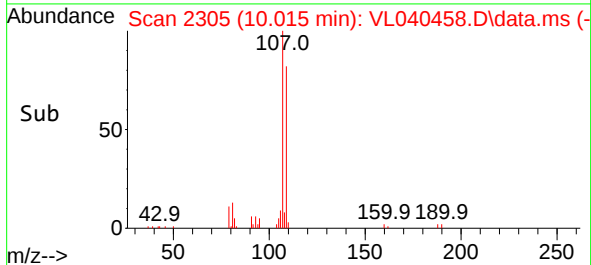
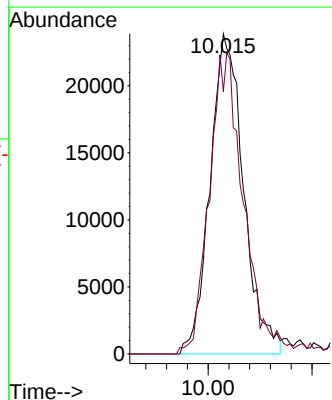
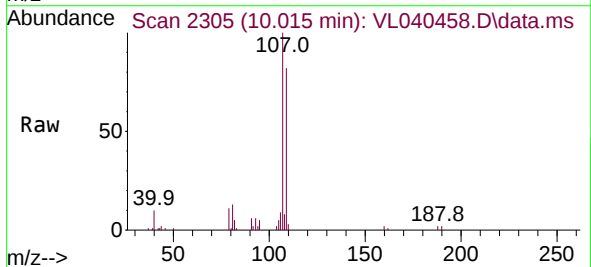
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

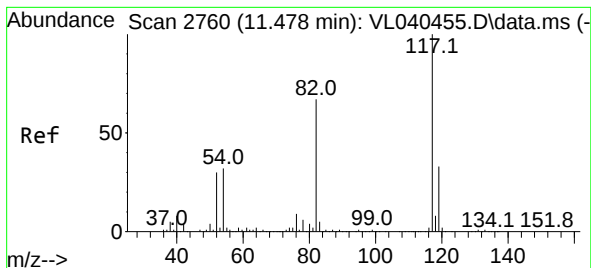
Tgt Ion: 91 Resp: 88160
Ion Ratio Lower Upper
91 100
92 58.4 49.1 73.7



#54
1,2-Dibromoethane
Concen: 0.458 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 107 Resp: 53357
Ion Ratio Lower Upper
107 100
109 80.0 74.5 111.7

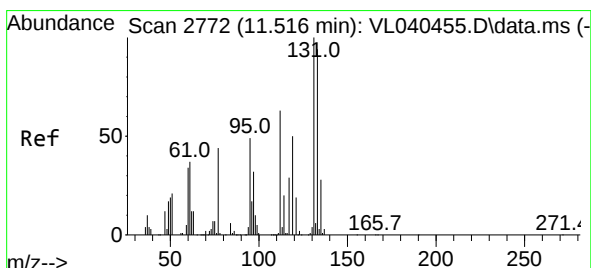
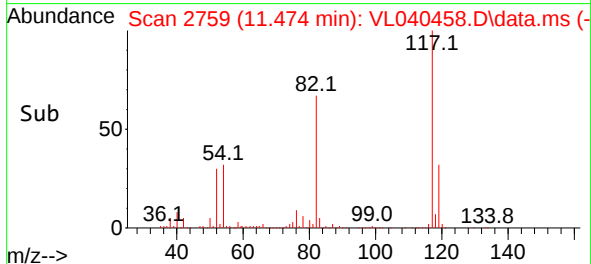
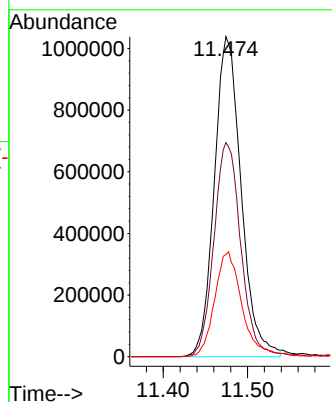
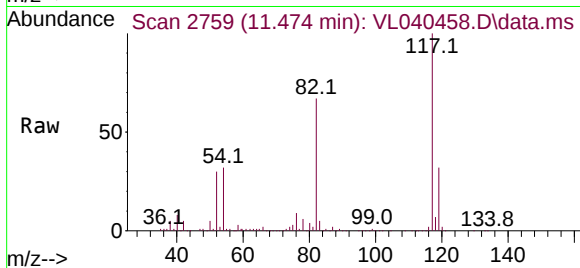




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

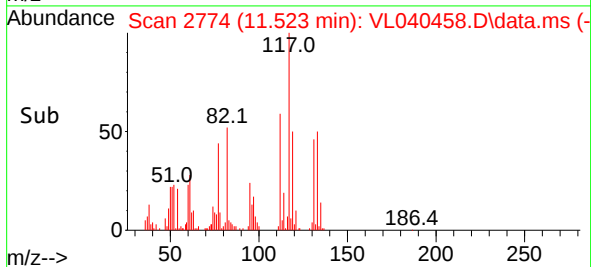
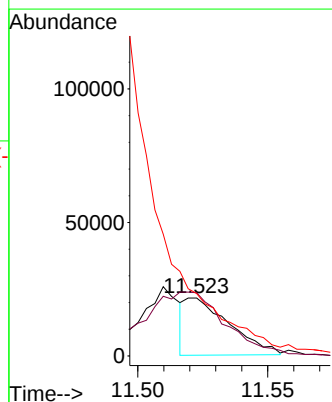
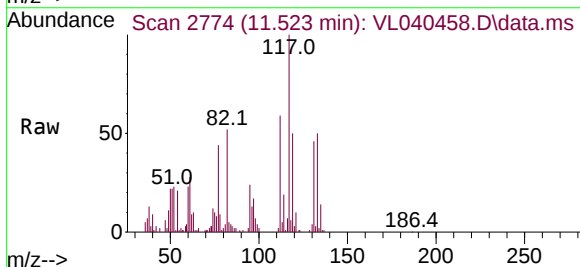
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

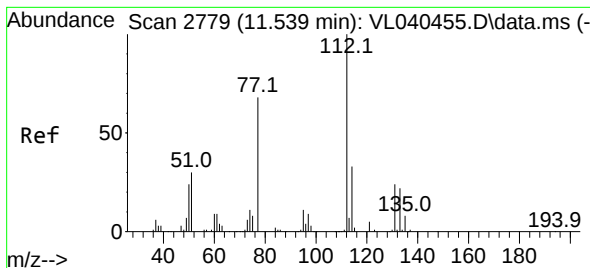
Tgt Ion:117 Resp: 2292614
Ion Ratio Lower Upper
117 100
82 68.3 53.0 79.4
119 33.6 24.4 36.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.234 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.006 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:131 Resp: 25271
Ion Ratio Lower Upper
131 100
133 0.0 75.7 113.5#
119 0.0 51.4 77.2#

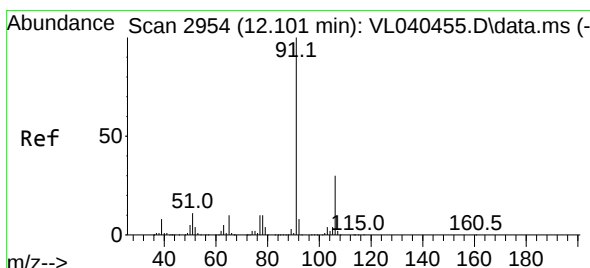
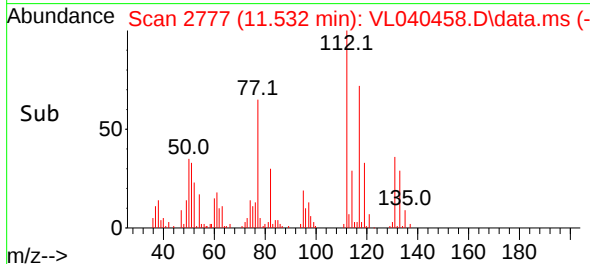
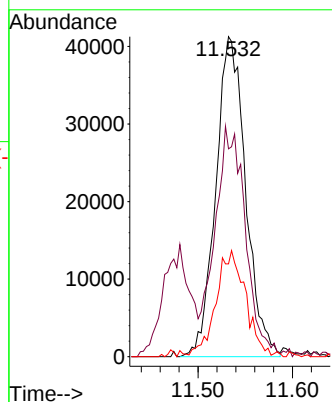
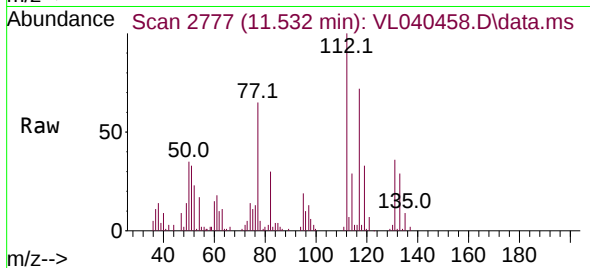




#57
Chlorobenzene
Concen: 0.523 ppbv
RT: 11.532 min Scan# 211
Delta R.T. -0.007 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

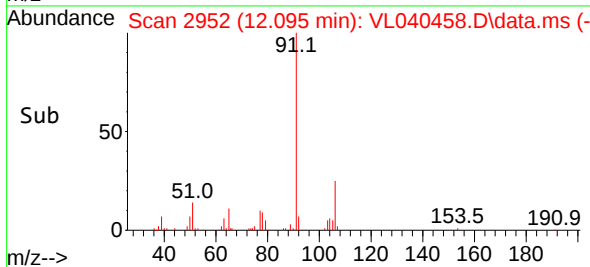
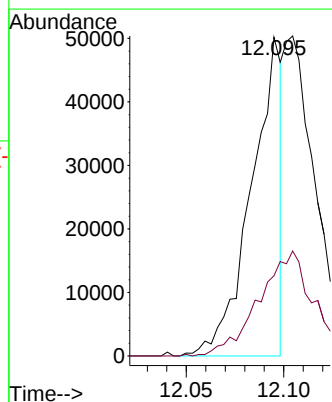
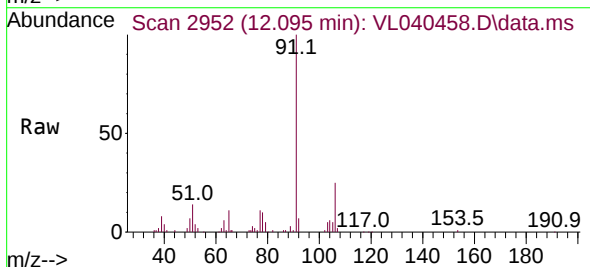
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

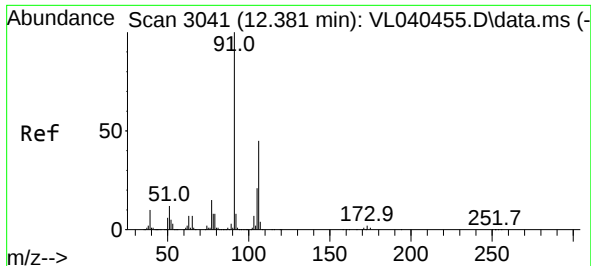
Tgt Ion:112 Resp: 90715
Ion Ratio Lower Upper
112 100
77 64.1 55.4 83.2
114 28.0 30.0 36.6#



#58
Ethyl Benzene
Concen: 0.194 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. -0.007 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 91 Resp: 53951
Ion Ratio Lower Upper
91 100
106 25.1 23.7 35.5





#59

m/p-Xylene

Concen: 0.590 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

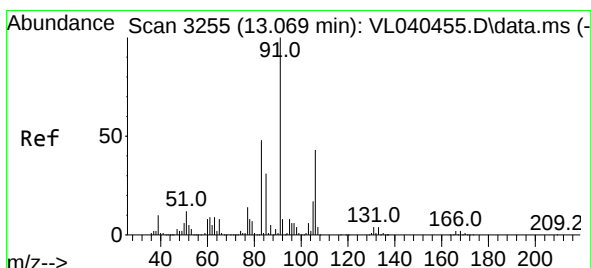
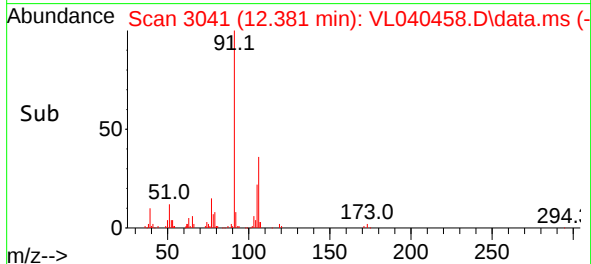
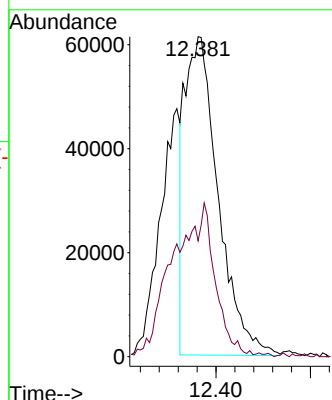
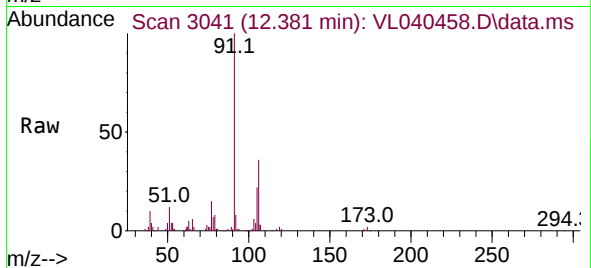
VSTDIC0.5

Tgt Ion: 91 Resp: 150271

Ion Ratio Lower Upper

91 100

106 61.8 34.6 52.0#



#60

o-Xylene

Concen: 0.419 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VL040458.D

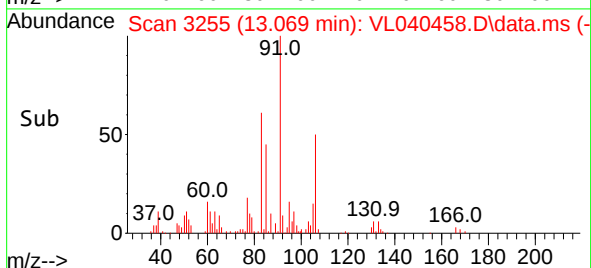
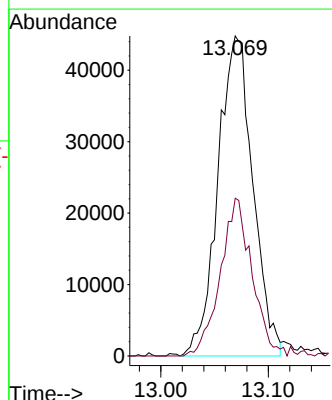
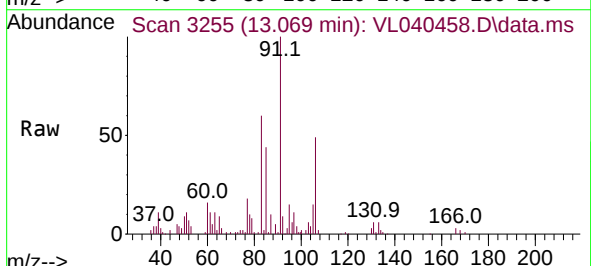
Acq: 5 Jun 2023 16:05

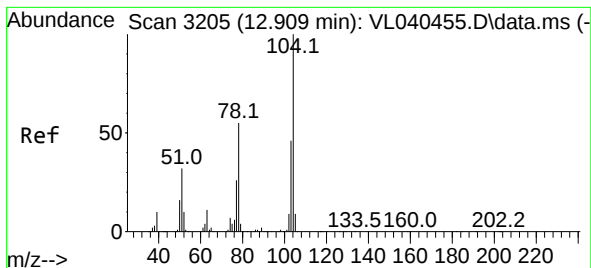
Tgt Ion: 91 Resp: 101351

Ion Ratio Lower Upper

91 100

106 45.4 22.1 66.1





#61

Styrene

Concen: 0.128 ppbv

RT: 12.899 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

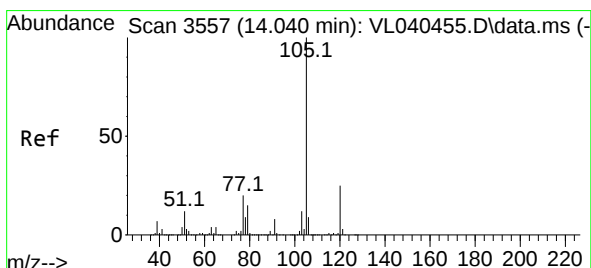
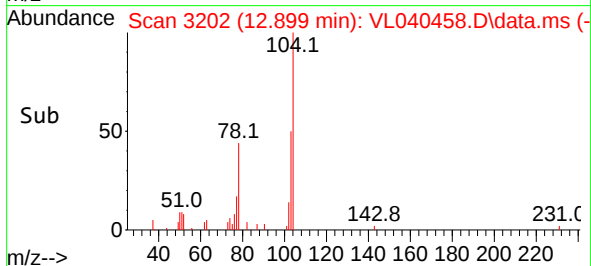
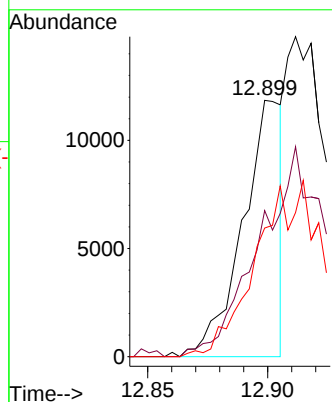
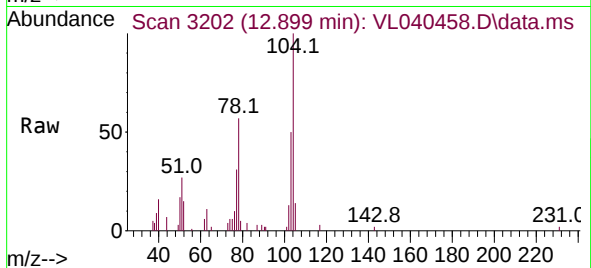
Tgt Ion:104 Resp: 13372

Ion Ratio Lower Upper

104 100

78 0.0 43.1 64.7#

103 0.0 37.1 55.7#



#62

Isopropylbenzene

Concen: 0.291 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL040458.D

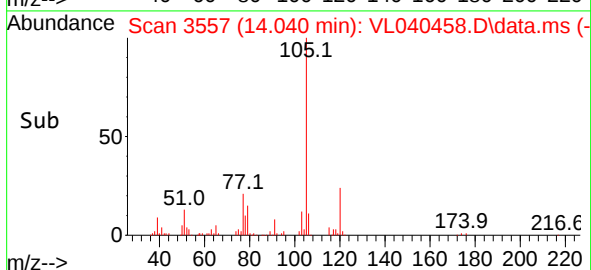
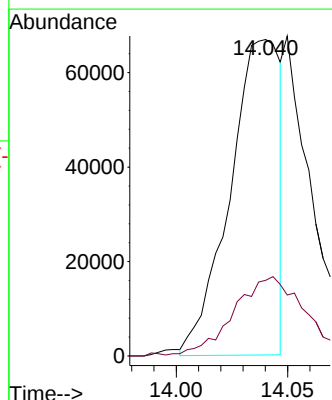
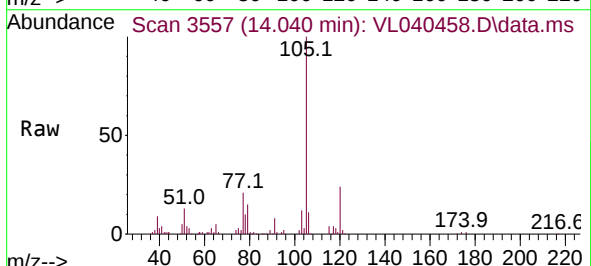
Acq: 5 Jun 2023 16:05

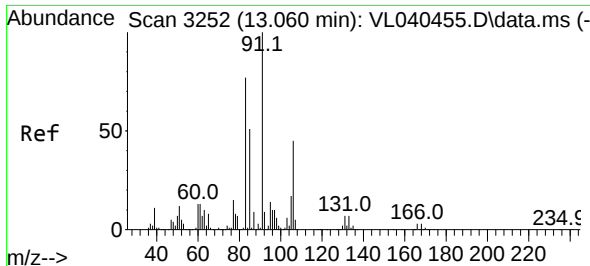
Tgt Ion:105 Resp: 104770

Ion Ratio Lower Upper

105 100

120 36.8 20.2 30.4#

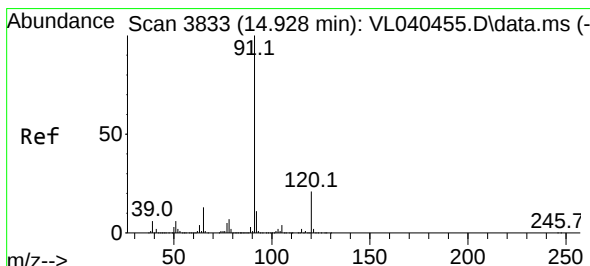
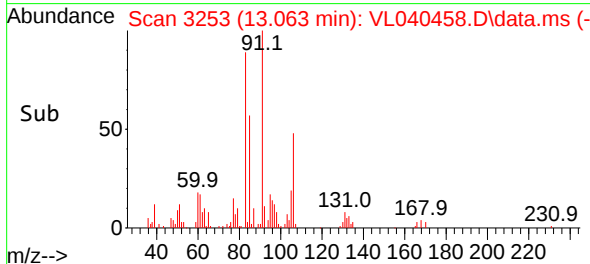
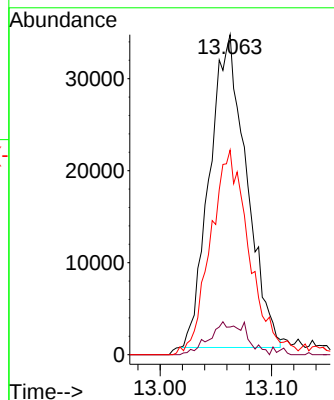
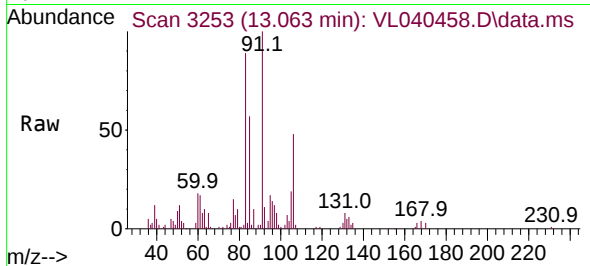




#63
1,1,2,2-Tetrachloroethane
Concen: 0.492 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

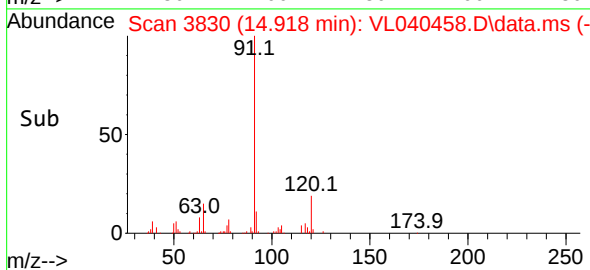
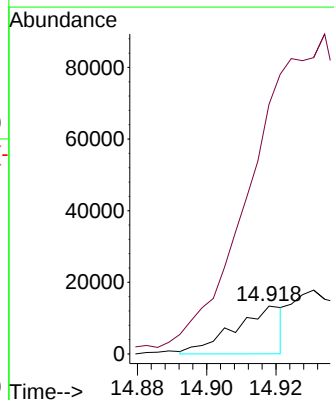
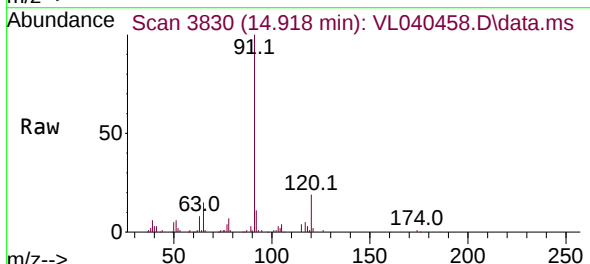
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

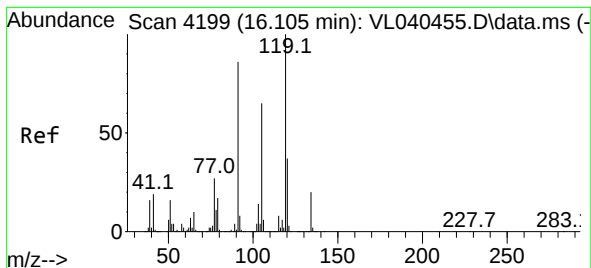
Tgt Ion: 83 Resp: 78260
Ion Ratio Lower Upper
83 100
131 10.9 4.5 13.7
85 69.2 33.0 99.0



#64
n-propylbenzene
Concen: 0.153 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. -0.010 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 120 Resp: 12924
Ion Ratio Lower Upper
120 100
91 0.0 388.5 582.7#

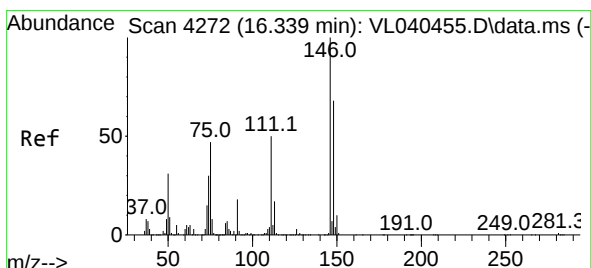
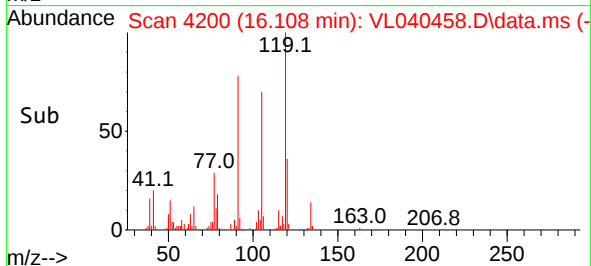
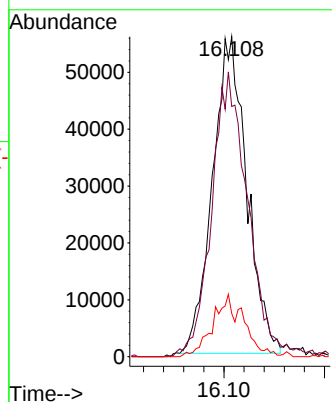
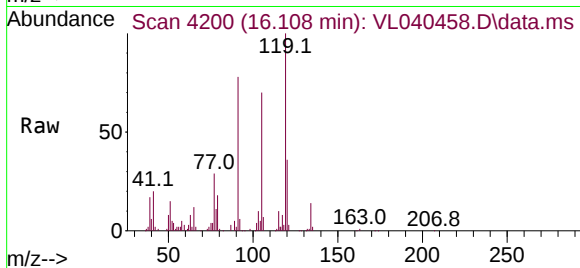




#65
tert-Butylbenzene
Concen: 0.422 ppbv
RT: 16.108 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

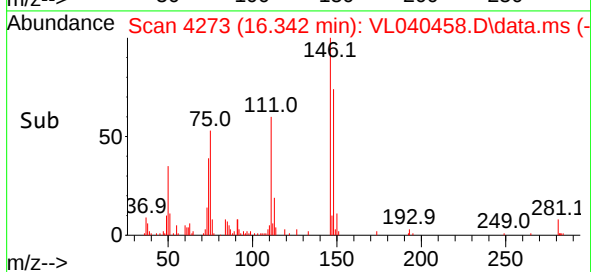
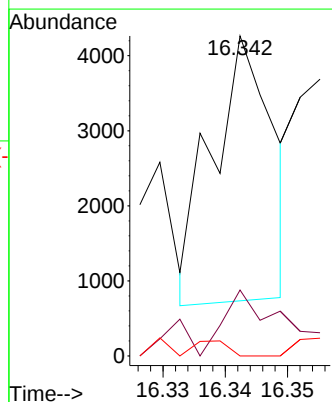
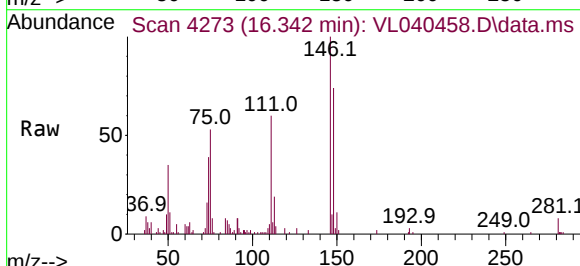
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

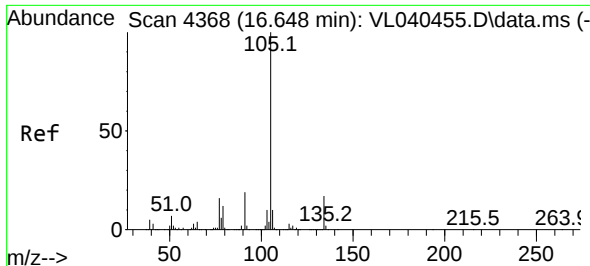
Tgt Ion:119 Resp: 131351
Ion Ratio Lower Upper
119 100
91 96.1 70.5 105.7
134 18.1 15.6 23.4



#66
Benzyl Chloride
Concen: 0.103 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 91 Resp: 2386
Ion Ratio Lower Upper
91 100
126 44.0 13.2 19.8#
128 5.2 4.6 6.8

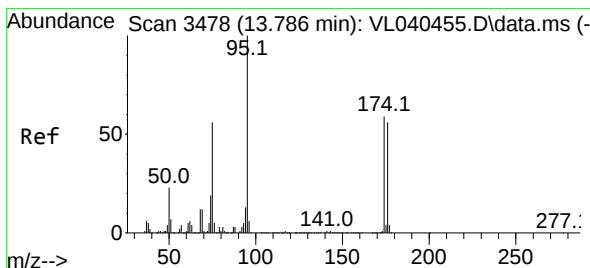
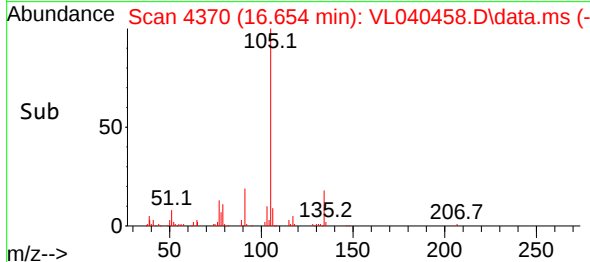
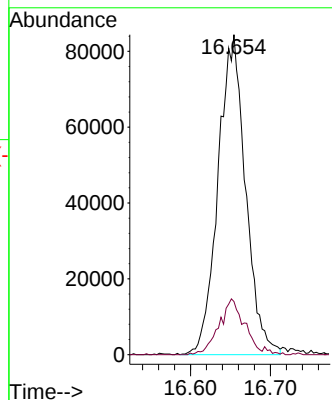
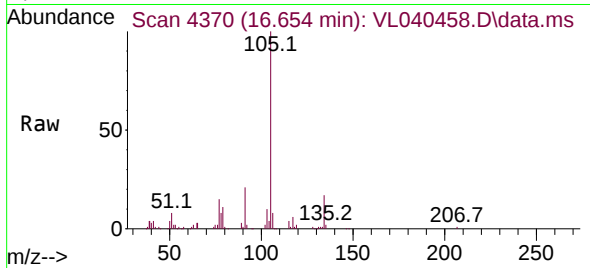




#67
 sec-Butylbenzene
 Concen: 0.447 ppbv
 RT: 16.654 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

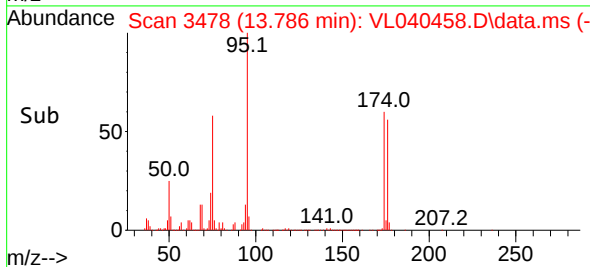
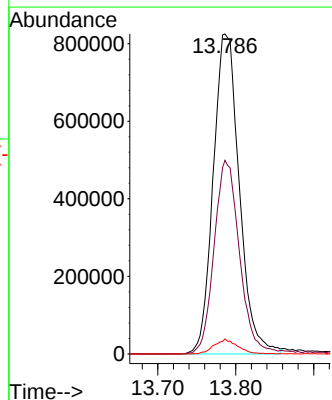
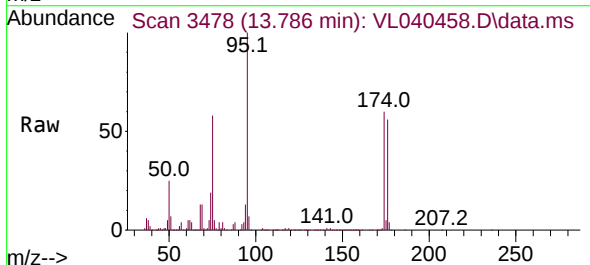
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

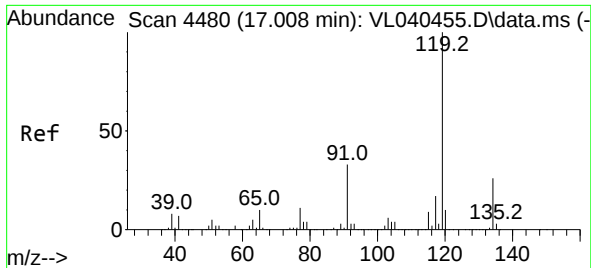
Tgt Ion:105 Resp: 201330
 Ion Ratio Lower Upper
 105 100
 134 16.7 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.160 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.000 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 95 Resp: 1922382
 Ion Ratio Lower Upper
 95 100
 174 60.4 47.7 71.5
 175 4.2 3.5 5.3

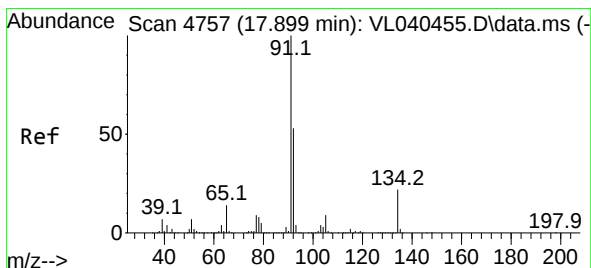
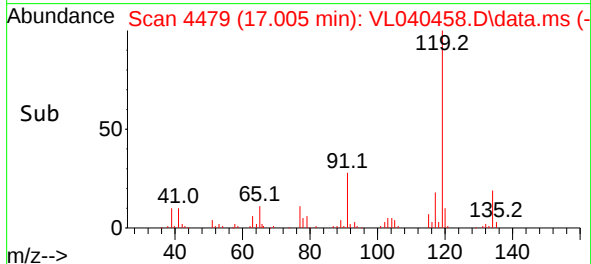
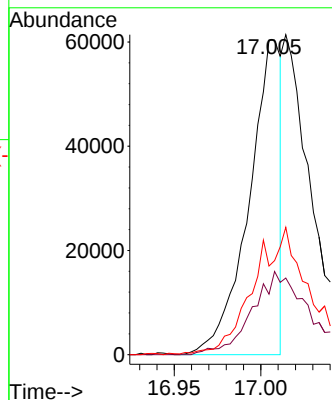
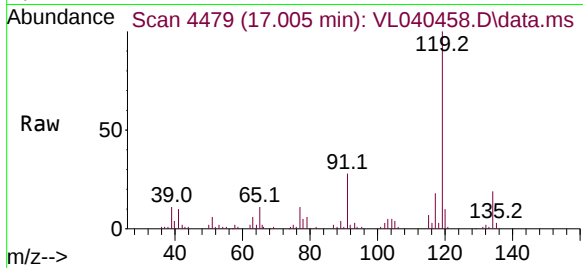




#69
p-Isopropyltoluene
Concen: 0.217 ppbv
RT: 17.005 min Scan# 4480
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

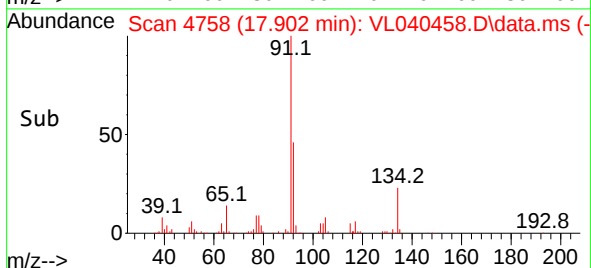
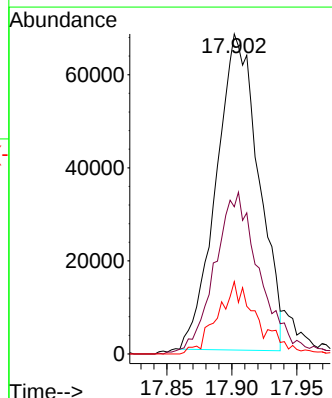
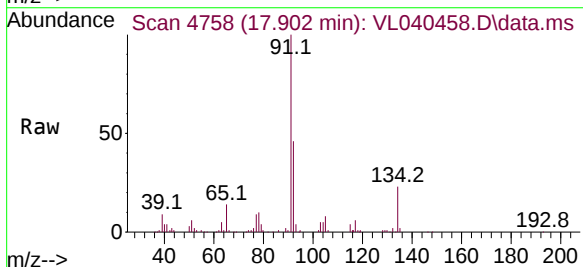
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

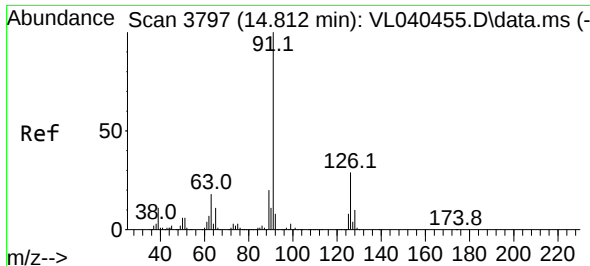
Tgt Ion:119 Resp: 77783
Ion Ratio Lower Upper
119 100
134 47.1 20.3 30.5#
91 0.0 25.5 38.3#



#70
n-Butylbenzene
Concen: 0.387 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 91 Resp: 154769
Ion Ratio Lower Upper
91 100
92 55.3 42.7 64.1
134 21.7 16.9 25.3

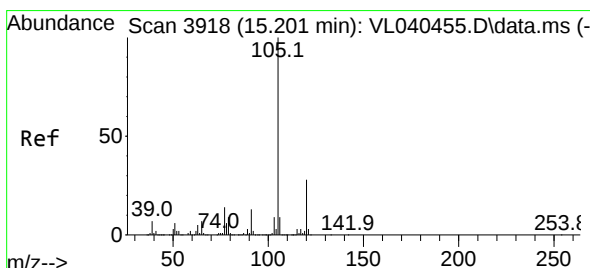
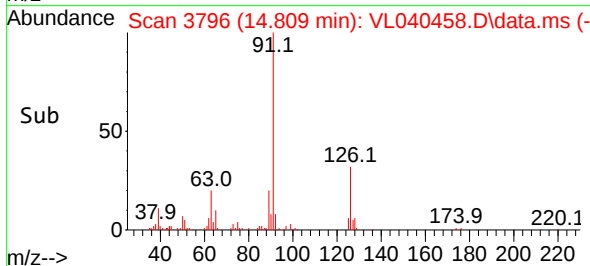
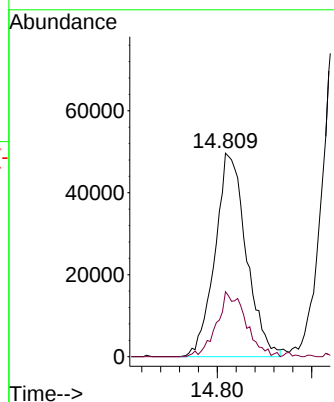
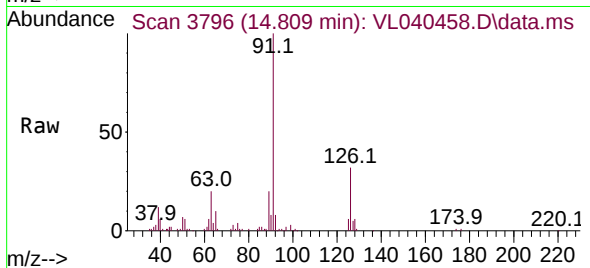




#71
2-Chlorotoluene
Concen: 0.426 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

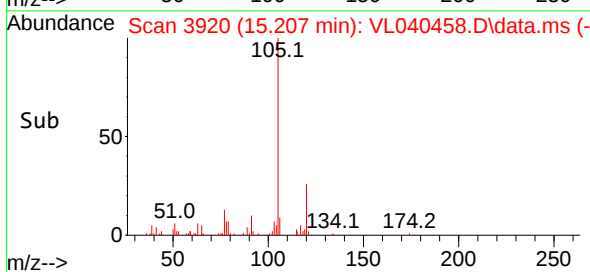
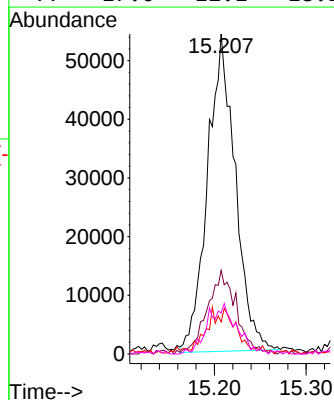
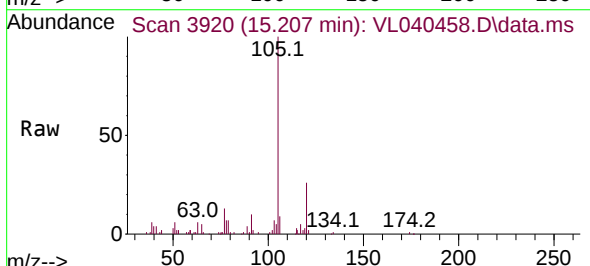
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

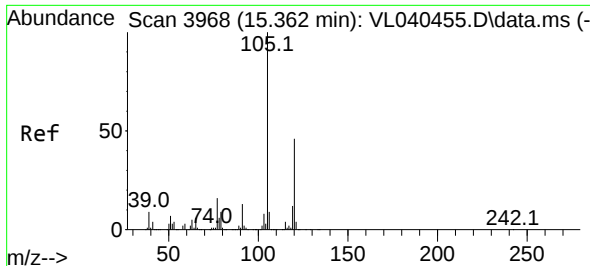
Tgt Ion: 91 Resp: 113765
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.417 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.006 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 105 Resp: 113786
Ion Ratio Lower Upper
105 100
120 27.9 23.4 35.0
91 16.3 11.1 16.7
77 17.0 12.1 18.1

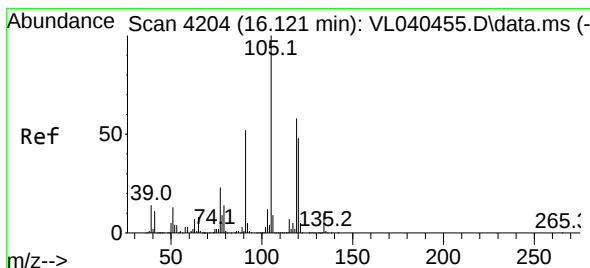
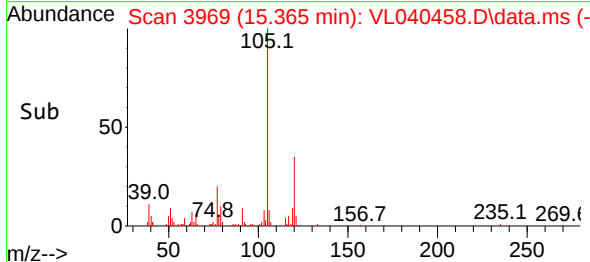
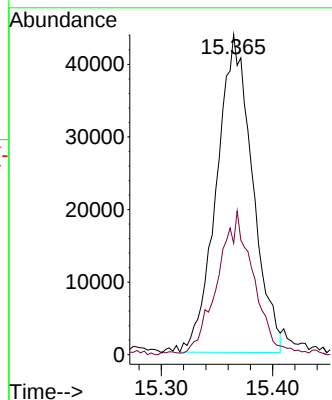
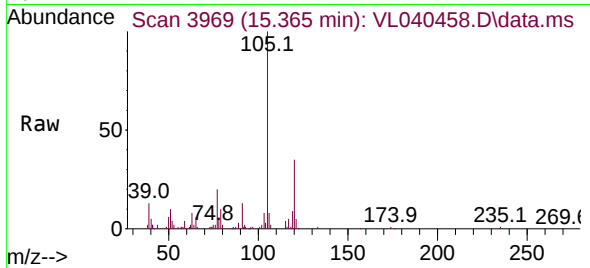




#73
1,3,5-Trimethylbenzene
Concen: 0.406 ppbv
RT: 15.365 min Scan# 3969
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

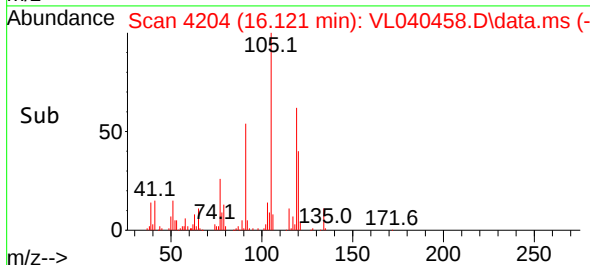
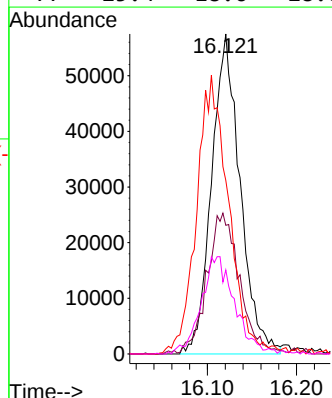
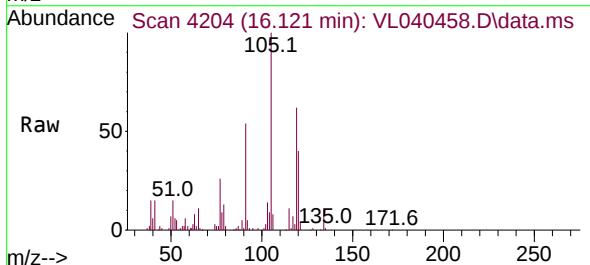
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

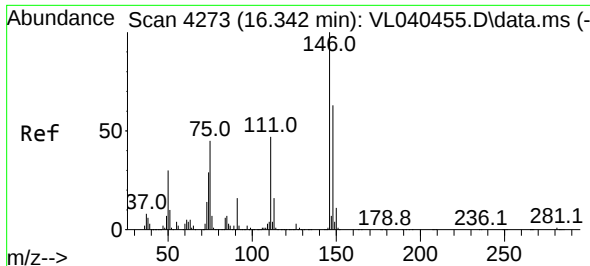
Tgt Ion:105 Resp: 97847
Ion Ratio Lower Upper
105 100
120 34.6 36.4 54.6#



#74
1,2,4-Trimethylbenzene
Concen: 0.451 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:105 Resp: 127808
Ion Ratio Lower Upper
105 100
120 39.7 38.4 57.6
91 53.0 41.3 61.9
77 25.4 18.6 28.0

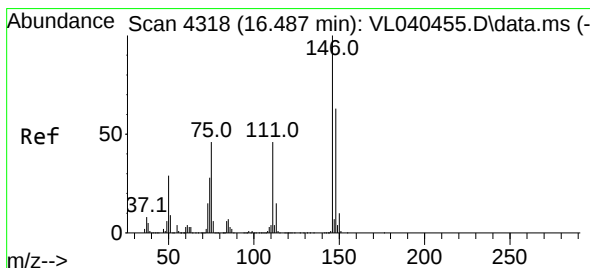
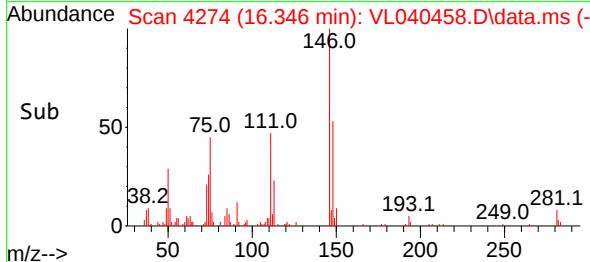
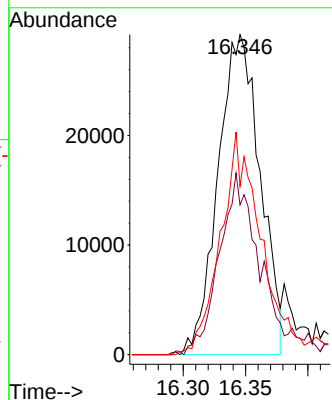
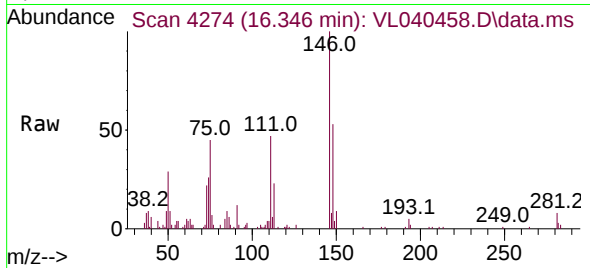




#75
1,3-Dichlorobenzene
Concen: 0.432 ppbv
RT: 16.346 min Scan# 4273
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

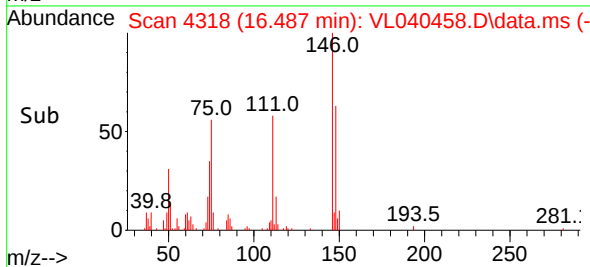
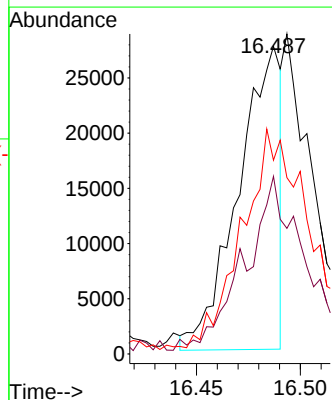
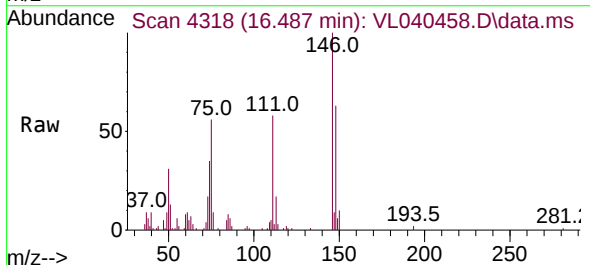
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

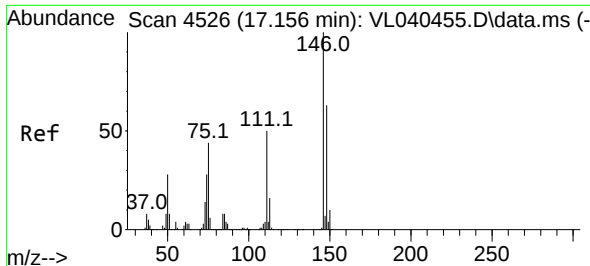
Tgt Ion:146 Resp: 68590
Ion Ratio Lower Upper
146 100
111 57.9 24.6 73.8
148 68.8 32.4 97.2



#76
1,4-Dichlorobenzene
Concen: 0.249 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:146 Resp: 39214
Ion Ratio Lower Upper
146 100
111 93.3 23.8 71.5#
148 124.7 32.9 98.6#

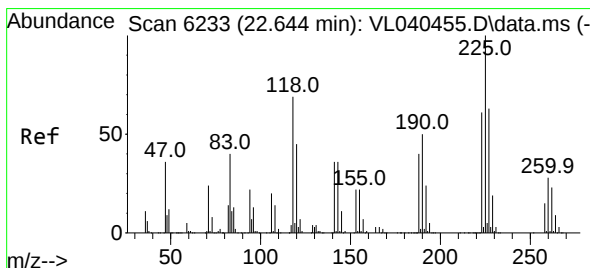
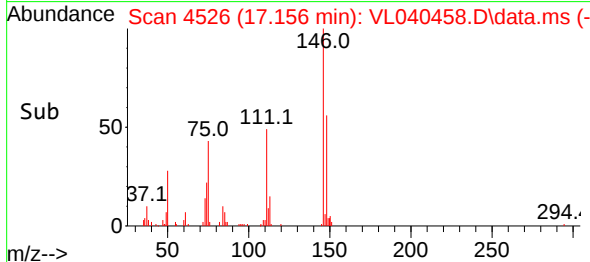
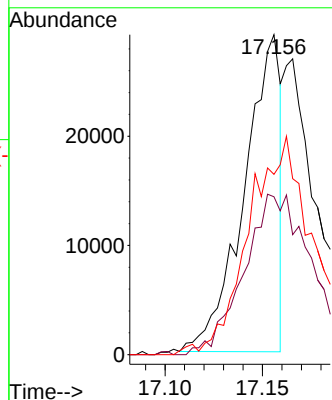
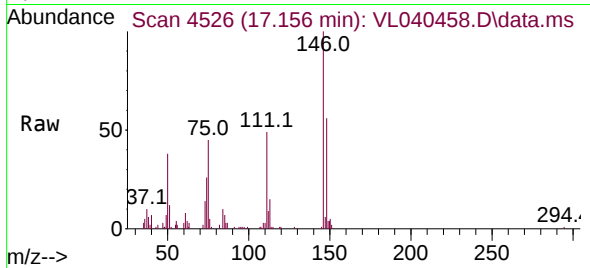




#77
1,2-Dichlorobenzene
Concen: 0.248 ppbv
RT: 17.156 min Scan# 4526
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

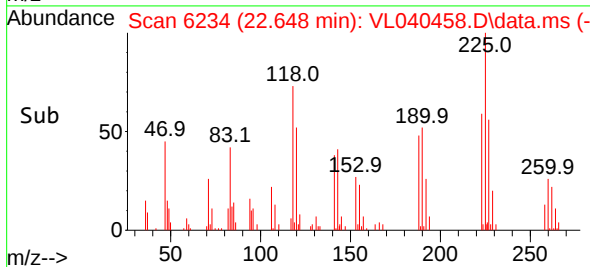
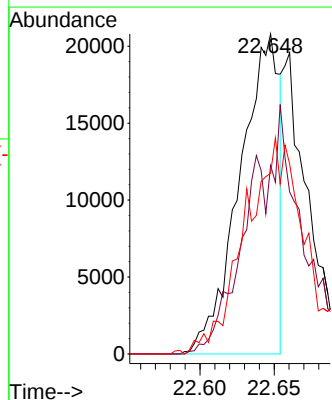
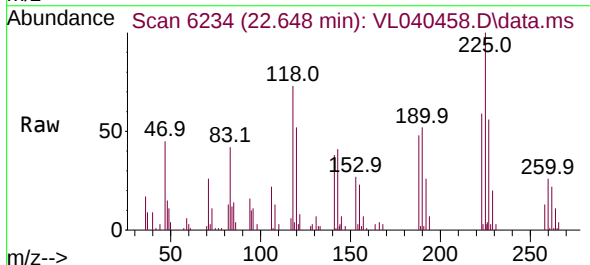
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

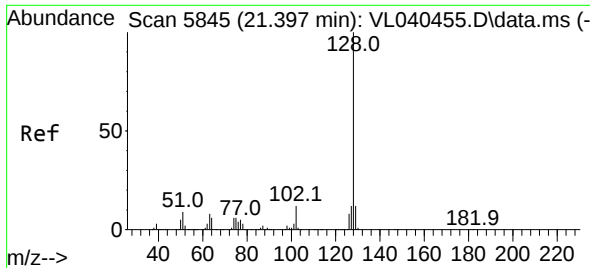
Tgt Ion:146 Resp: 37667
Ion Ratio Lower Upper
146 100
111 98.6 25.1 75.3#
148 0.0 32.0 96.2#



#78
Hexachloro-1,3-Butadiene
Concen: 0.331 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:225 Resp: 38460
Ion Ratio Lower Upper
225 100
223 104.5 50.0 75.0#
227 103.3 50.9 76.3#

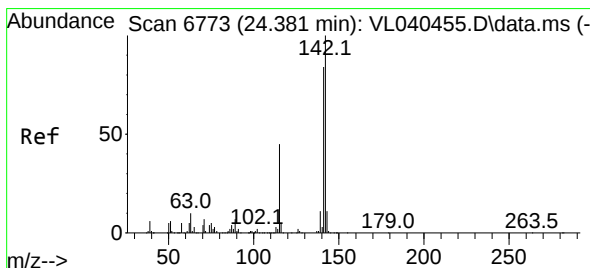
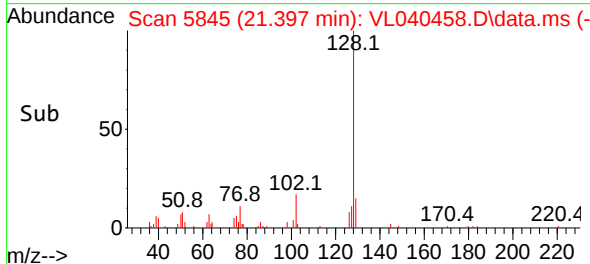
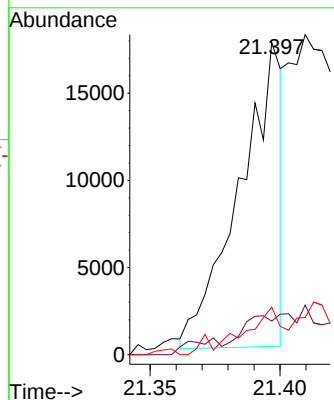
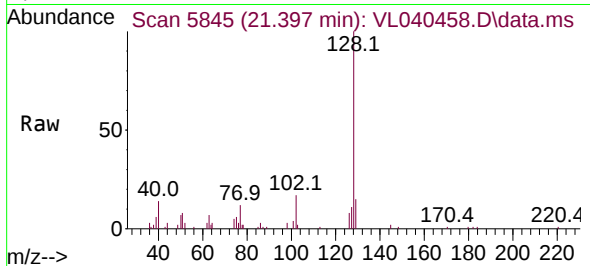




#79
Naphthalene
Concen: 0.121 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

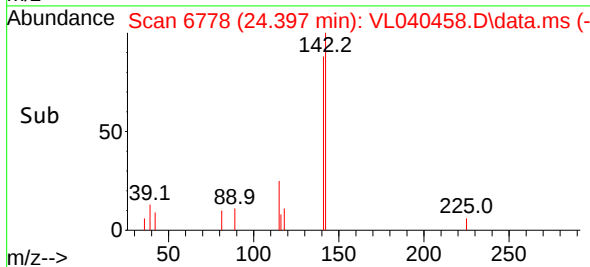
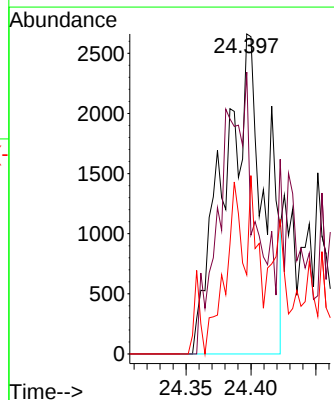
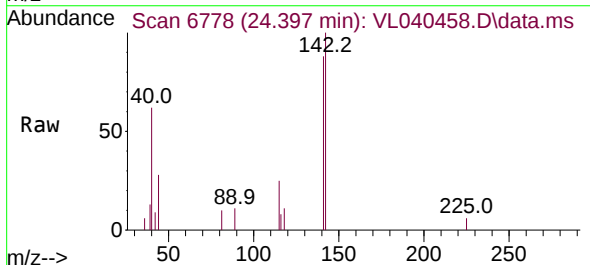
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

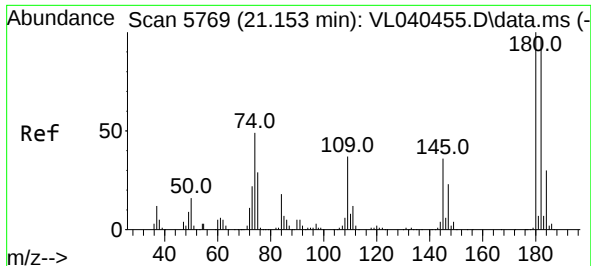
Tgt Ion:128 Resp: 19693
Ion Ratio Lower Upper
128 100
127 8.7 9.9 14.9#
129 16.0 9.2 13.8#



#80
Naphthalene,2-methyl-
Concen: 0.127 ppbv
RT: 24.397 min Scan# 6778
Delta R.T. 0.016 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:142 Resp: 5816
Ion Ratio Lower Upper
142 100
141 70.5 65.4 98.0
115 69.7 36.6 55.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.236 ppbv

RT: 21.156 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040458.D

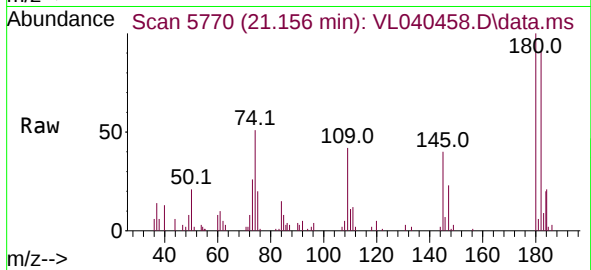
Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 26586

Ion Ratio Lower Upper

180 100

182 167.4 77.2 115.8#

184 55.6 24.4 36.6#

