

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040282.D
 Acq On : 15 Mar 2023 13:30
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Mar 16 07:20:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 15 16:14:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1079735	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2894578	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2579491	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	2175181	10.070	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	128943	0.609	ppbv	98
3) Chlorodifluoromethane	2.671	51	73436	0.541	ppbv	97
4) Chloromethane	2.813	50	42610	0.508	ppbv	95
5) Vinyl Chloride	2.915	62	33494	0.493	ppbv	93
6) Bromomethane	3.118	94	11603	0.493	ppbv	92
7) Chloroethane	3.195	64	13099	0.503	ppbv	100
8) Dichlorotetrafluoroethane	2.854	85	99175	0.547	ppbv	100
9) Propene	2.690	41	27630	0.531	ppbv	100
10) Heptane	7.581	43	26478	0.212	ppbv #	10
11) Trichlorofluoromethane	3.558	101	101122	0.527	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.066	101	75483	0.524	ppbv	100
13) Ethanol	3.253	45	1736	0.455	ppbv #	37
14) Bromoethene	3.366	108	27008	0.502	ppbv #	88
15) Acetone	3.481	43	69886	0.532	ppbv	91
16) 1,3-Butadiene	2.983	39	28867	0.483	ppbv	92
17) tert-Butyl alcohol	3.899	59	66884	0.535	ppbv	98
18) 1,1-Dichloroethene	3.877	96	29484	0.477	ppbv	89
19) Isopropyl Alcohol	3.591	45	33668	0.535	ppbv #	92
20) Methylene Chloride	3.935	84	32233	0.583	ppbv	92
21) Allyl Chloride	3.999	41	40276	0.473	ppbv	90
22) trans-1,2-Dichloroethene	4.446	96	30687	0.488	ppbv	95
23) Vinyl Acetate	4.636	43	10743	0.294	ppbv #	85
24) 1,1-Dichloroethane	4.568	63	67995	0.521	ppbv	97
25) Ethyl Acetate	5.218	43	126631	0.515	ppbv	98
26) Hexane	5.214	57	52480	0.520	ppbv	94
27) Carbon Disulfide	4.124	76	61853	0.438	ppbv #	91
28) Methyl tert-Butyl Ether	4.597	73	59879	0.516	ppbv	96
29) Chloroform	5.275	83	95098	0.533	ppbv	96
30) Cyclohexane	6.603	84	21487	0.270	ppbv #	1
31) cis-1,2-Dichloroethene	5.079	61	48501	0.493	ppbv	94
32) 1,1,1-Trichloroethane	6.005	97	90005	0.527	ppbv	100
34) 2-Butanone	4.803	43	68630	0.480	ppbv	96
35) Carbon Tetrachloride	6.494	117	88627	0.488	ppbv	94
36) Benzene	6.372	78	57555	0.261	ppbv	95
37) 1,2-Dichloroethane	5.812	62	72953	0.508	ppbv	99
38) Trichloroethene	7.295	130	58557	0.486	ppbv	91
39) 1,2-Dichloropropane	7.076	63	23876	0.276	ppbv	97
40) 1,4-Dioxane	7.298	88	638	0.019	ppbv #	1
41) Tetrahydrofuran	5.581	42	14368	0.174	ppbv #	23
42) Bromodichloromethane	7.253	83	92486	0.471	ppbv	97
43) Methyl Methacrylate	7.484	69	23216	0.283	ppbv #	43
44) 2,2,4-Trimethylpentane	7.333	57	174712	0.475	ppbv	95
45) t-1,3-Dichloropropene	8.719	75	26175	0.366	ppbv	98

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Quant Time: Mar 16 07:20:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	38810	0.382	ppbv #	82
47) 1,1,2-Trichloroethane	8.909	97	44275	0.479	ppbv	98
48) Dibromochloromethane	9.719	129	35040	0.231	ppbv #	24
49) Bromoform	12.417	173	45301	0.397	ppbv	97
50) 4-Methyl-2-Pentanone	8.208	43	97244	0.440	ppbv	98
51) 2-Hexanone	9.574	43	23010	0.134	ppbv #	30
52) Tetrachloroethene	10.626	164	14782	0.221	ppbv #	86
53) Toluene	9.230	91	93705	0.405	ppbv	98
54) 1,2-Dibromoethane	10.021	107	19721	0.207	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.520	131	53510	0.493	ppbv #	1
57) Chlorobenzene	11.532	112	90964	0.496	ppbv	97
58) Ethyl Benzene	12.098	91	119476	0.407	ppbv	93
59) m/p-Xylene	12.384	91	108088	0.402	ppbv #	20
60) o-Xylene	13.066	91	59094	0.230	ppbv #	44
61) Styrene	12.909	104	44339	0.340	ppbv	95
62) Isopropylbenzene	14.040	105	169868	0.464	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	33803	0.373	ppbv #	62
64) n-propylbenzene	14.928	120	21848	0.244	ppbv #	1
65) tert-Butylbenzene	16.105	119	142957	0.453	ppbv	94
66) Benzyl Chloride	16.346	91	2790	0.136	ppbv #	74
67) sec-Butylbenzene	16.651	105	205511	0.455	ppbv	99
69) p-Isopropyltoluene	17.011	119	149805	0.426	ppbv	98
70) n-Butylbenzene	17.905	91	170885	0.441	ppbv	96
71) 2-Chlorotoluene	14.815	91	123740	0.444	ppbv	99
72) 4-Ethyltoluene	15.208	105	118145	0.420	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	73227	0.287	ppbv	95
74) 1,2,4-Trimethylbenzene	16.117	105	131793	0.454	ppbv #	89
75) 1,3-Dichlorobenzene	16.343	146	38908	0.247	ppbv #	23
76) 1,4-Dichlorobenzene	16.487	146	64989	0.433	ppbv	90
77) 1,2-Dichlorobenzene	17.156	146	36710	0.243	ppbv #	18
78) Hexachloro-1,3-Butadiene	22.654	225	36298	0.327	ppbv #	55
79) Naphthalene	21.407	128	32858	0.191	ppbv #	92
80) Naphthalene,2-methyl-	24.390	142	3210	0.074	ppbv #	8
81) 1,2,4-Trichlorobenzene	21.165	180	18821	0.178	ppbv #	1

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

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VSTDIC0.5

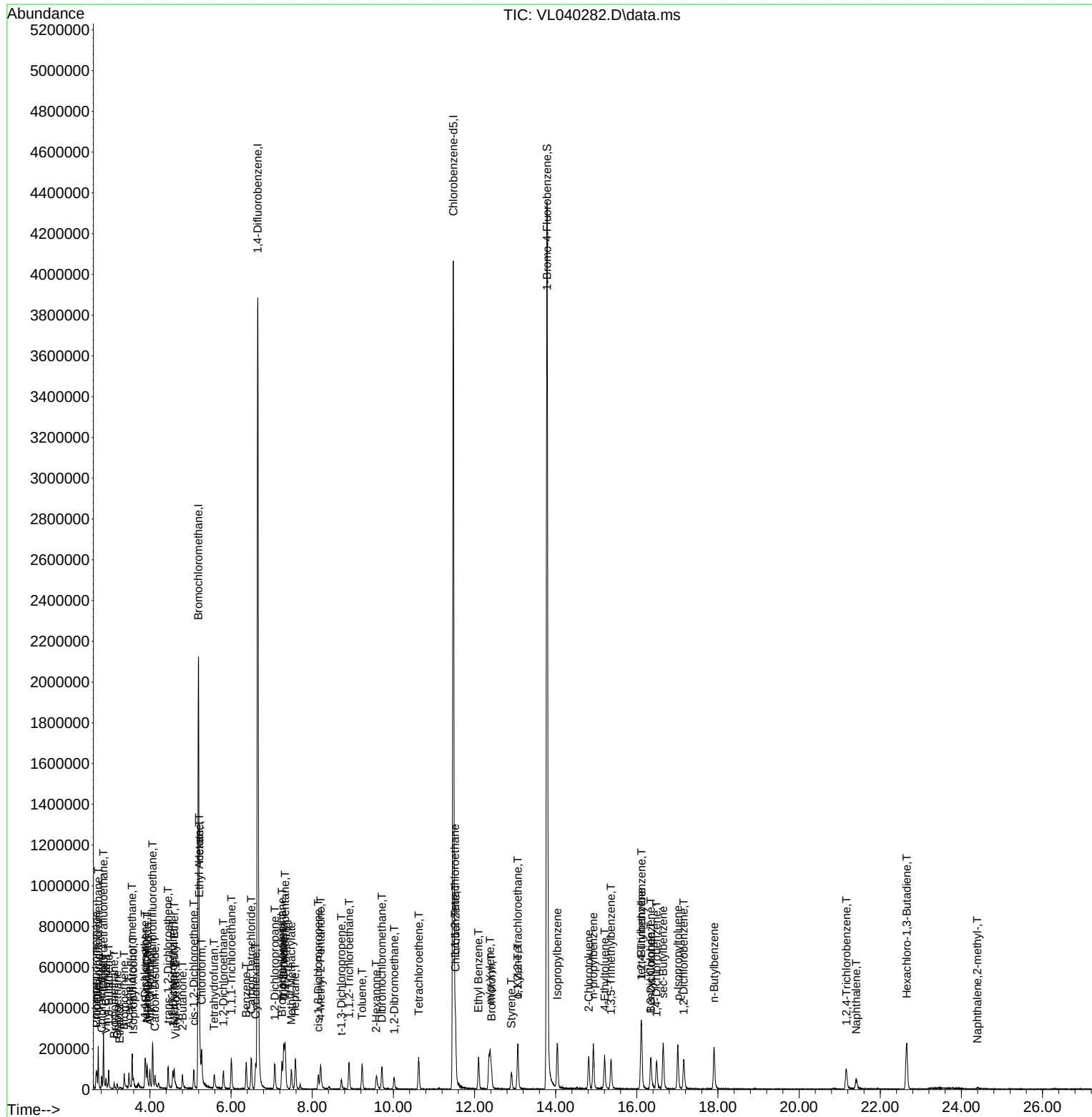
Quant Time: Mar 16 07:20:35 2023

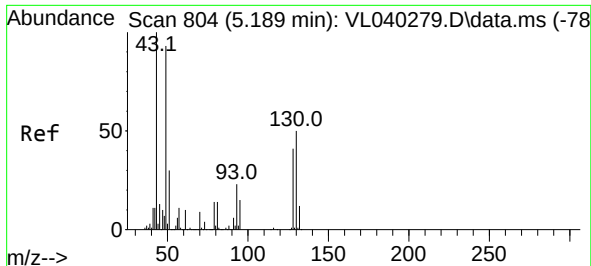
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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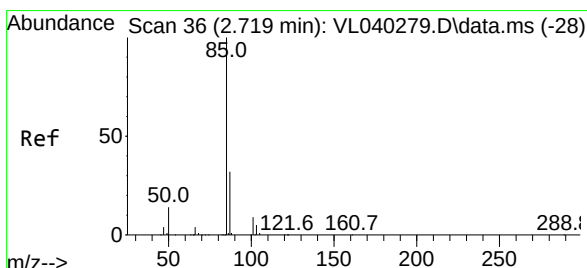
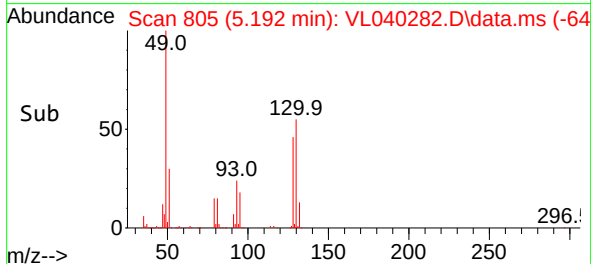
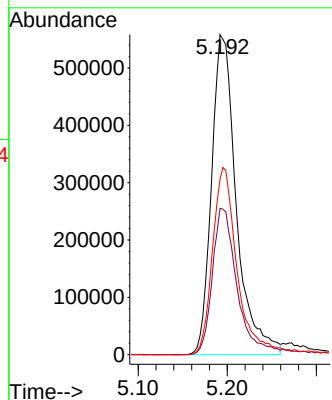
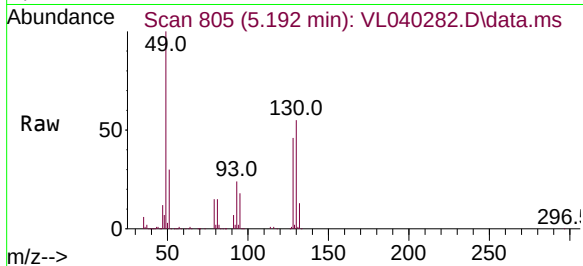




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL040282.D
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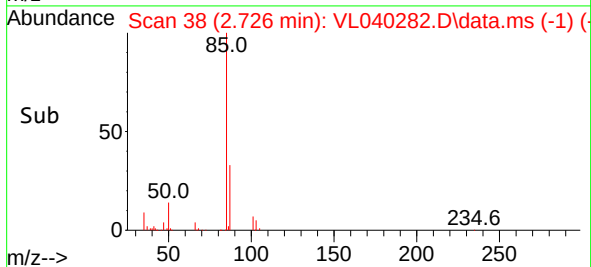
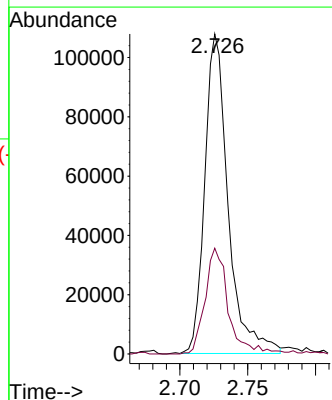
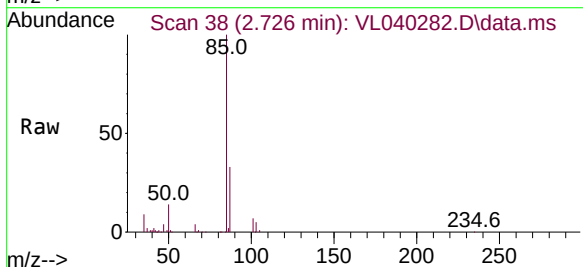
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

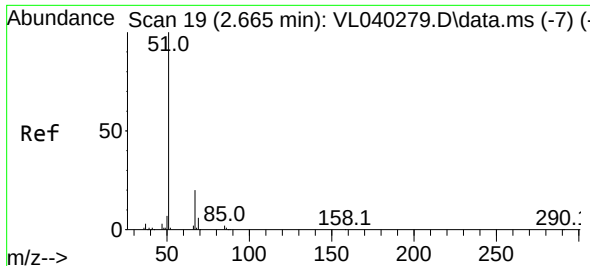
Tgt Ion: 49 Resp: 1079735
 Ion Ratio Lower Upper
 49 100
 128 47.0 22.4 67.3
 130 60.5 28.7 86.1



#2
 Dichlorodifluoromethane
 Concen: 0.609 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.006 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion: 85 Resp: 128943
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.5 38.3

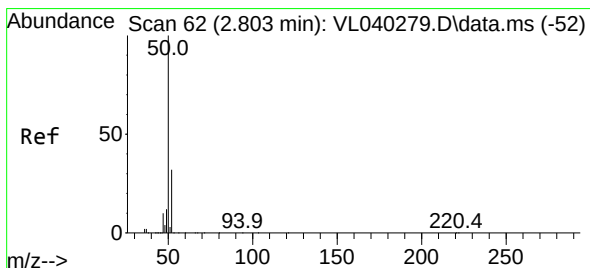
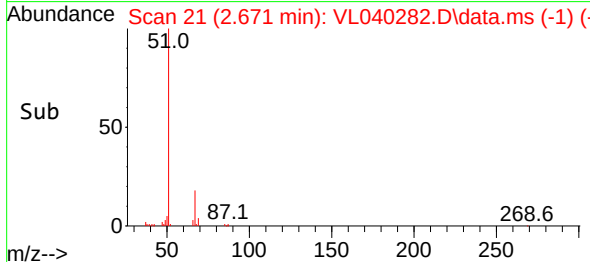
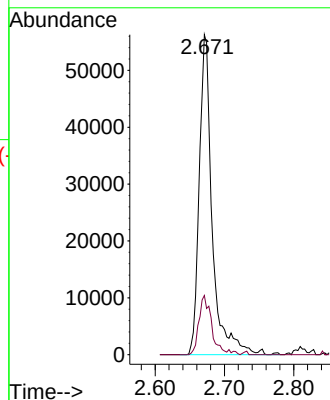
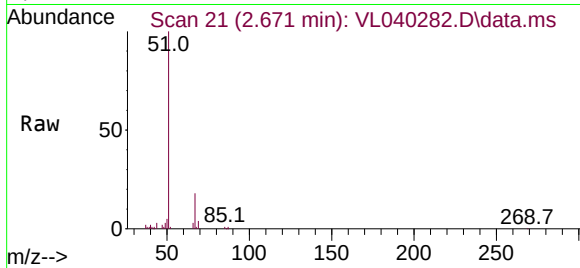




#3
Chlorodifluoromethane
Concen: 0.541 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

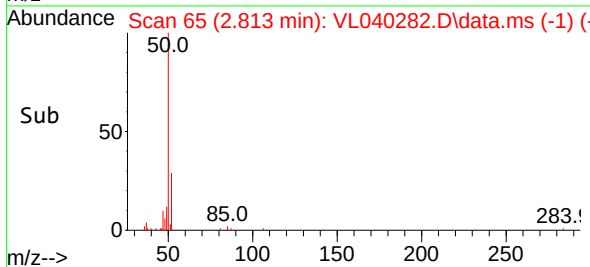
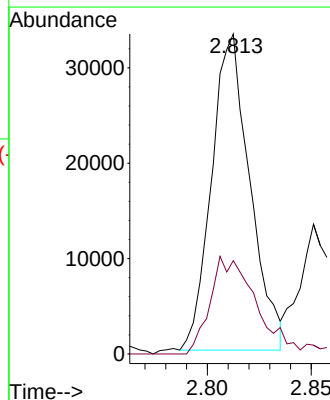
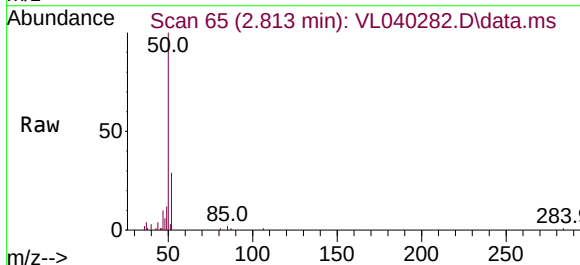
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

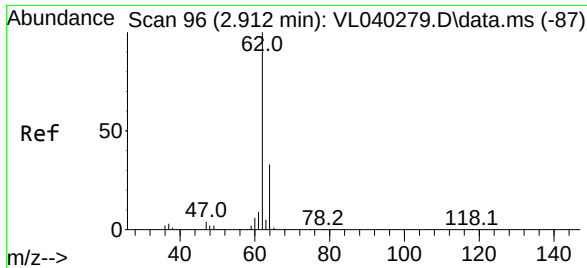
Tgt Ion: 51 Resp: 73436
Ion Ratio Lower Upper
51 100
67 18.8 16.0 24.0



#4
Chloromethane
Concen: 0.508 ppbv
RT: 2.813 min Scan# 65
Delta R.T. 0.010 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 50 Resp: 42610
Ion Ratio Lower Upper
50 100
52 29.5 25.9 38.9

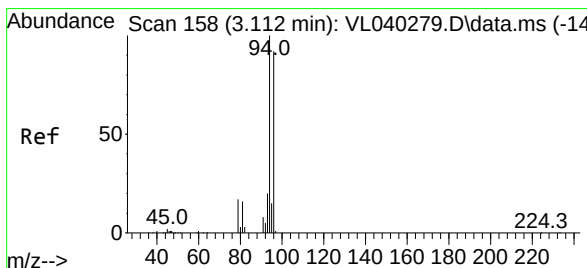
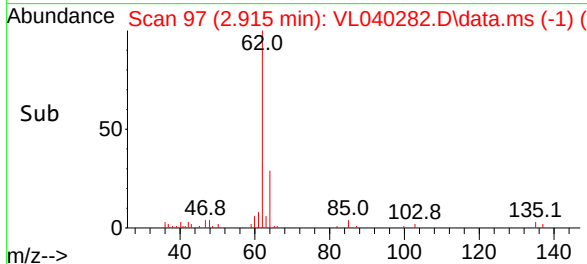
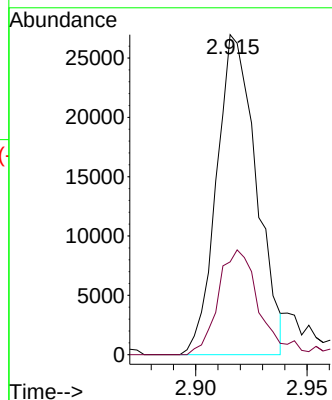
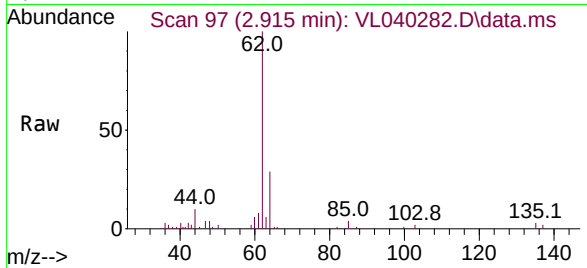




#5
 Vinyl Chloride
 Concen: 0.493 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

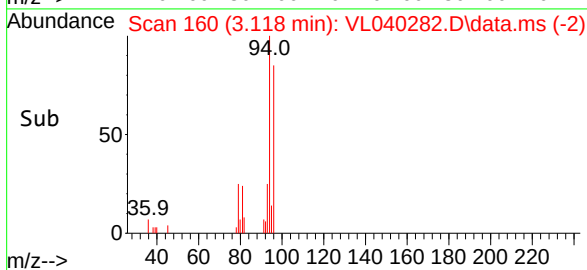
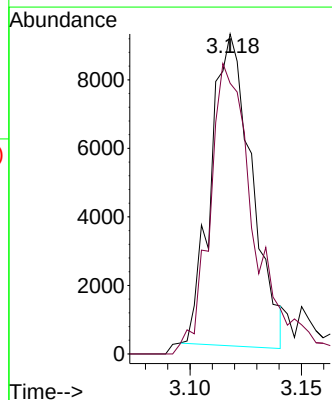
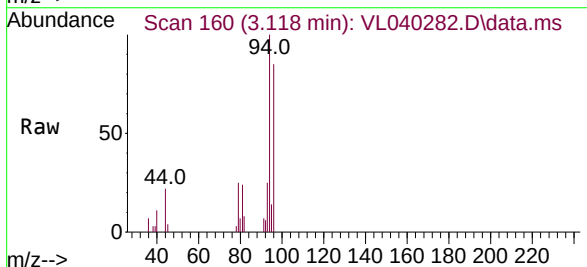
Instrument :
 MSVOA_L
 ClientSampleId :
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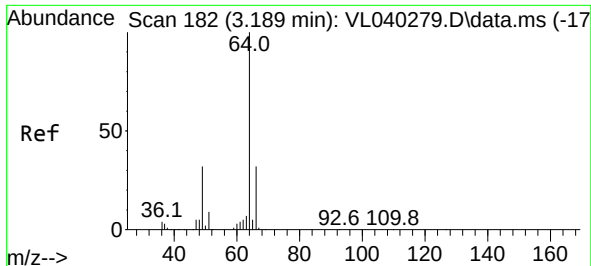
Tgt Ion: 62 Resp: 33494
 Ion Ratio Lower Upper
 62 100
 64 29.0 26.4 39.6



#6
 Bromomethane
 Concen: 0.493 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.006 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion: 94 Resp: 11603
 Ion Ratio Lower Upper
 94 100
 96 84.5 73.7 110.5

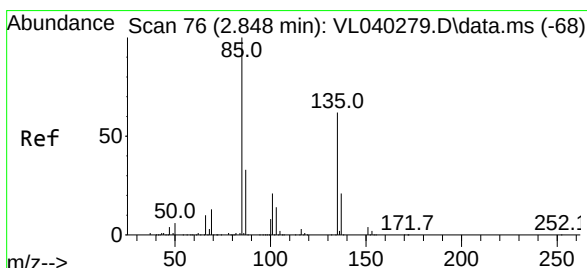
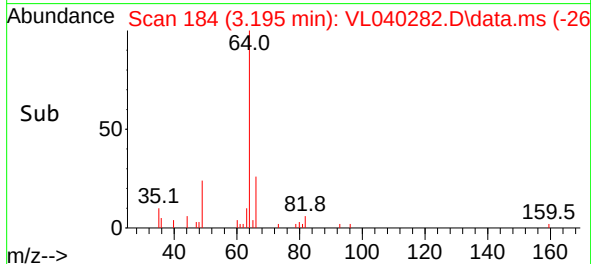
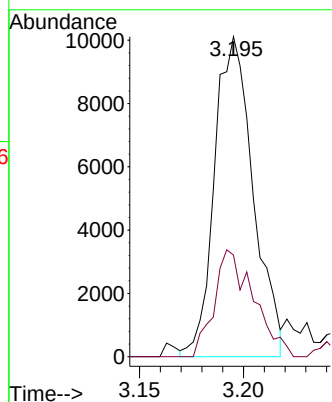
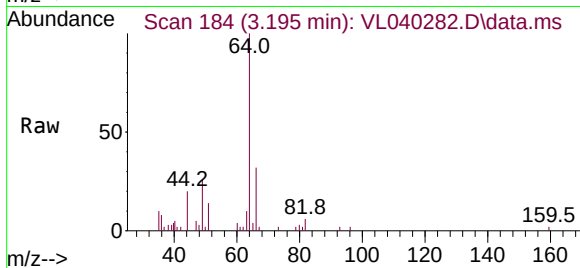




#7
Chloroethane
Concen: 0.503 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

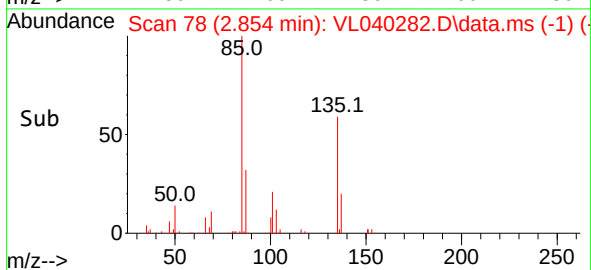
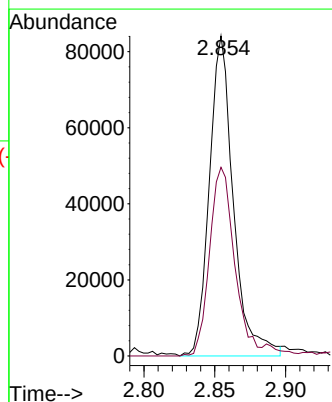
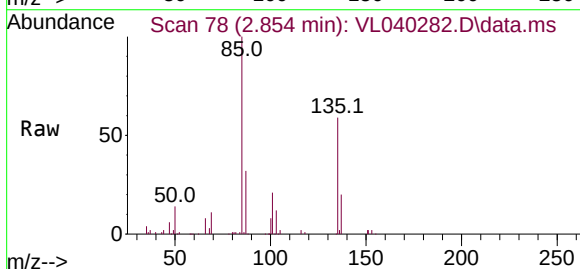
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ClientSampleId :
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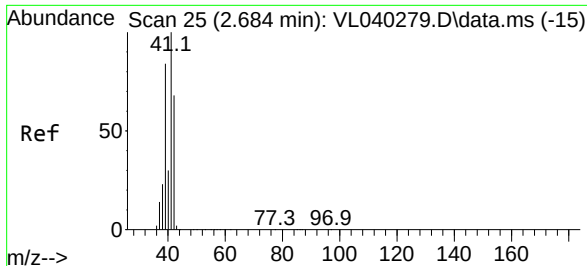
Tgt Ion: 64 Resp: 13099
Ion Ratio Lower Upper
64 100
66 31.8 25.5 38.3



#8
Dichlorotetrafluoroethane
Concen: 0.547 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 85 Resp: 99175
Ion Ratio Lower Upper
85 100
135 64.9 52.0 78.0

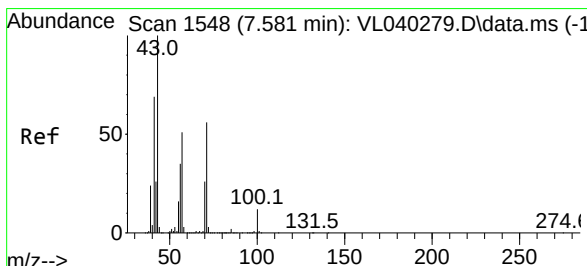
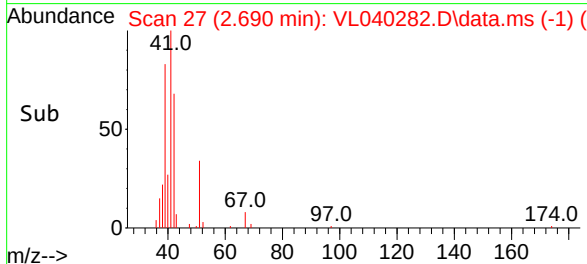
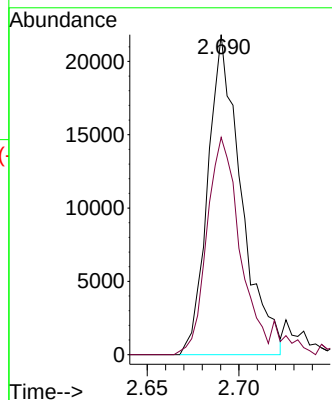
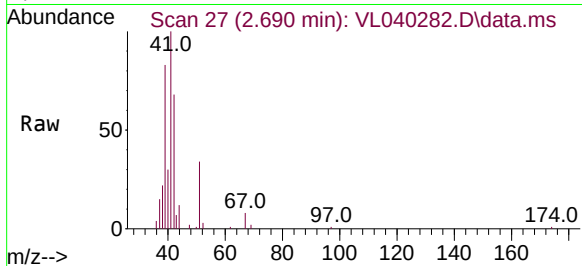




#9
 Propene
 Concen: 0.531 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

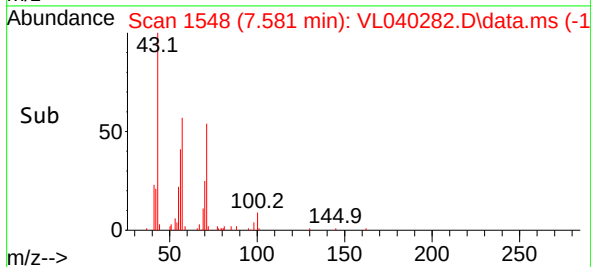
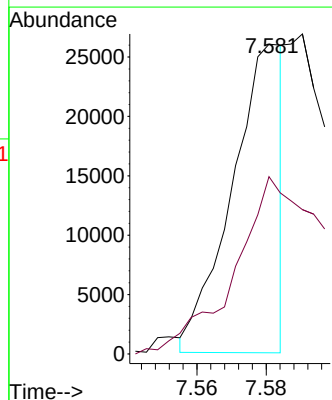
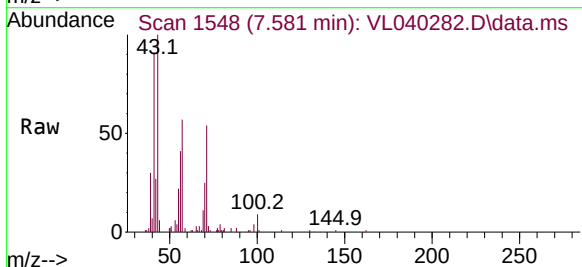
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

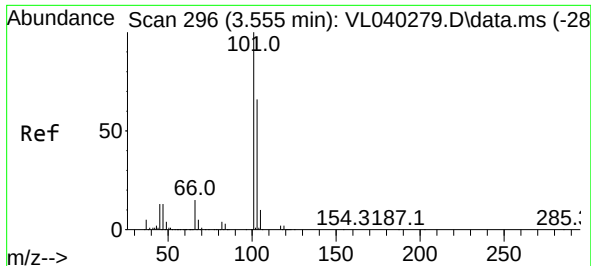
Tgt Ion: 41 Resp: 27630
 Ion Ratio Lower Upper
 41 100
 42 73.5 59.0 88.4



#10
 Heptane
 Concen: 0.212 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.000 min
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Tgt Ion: 43 Resp: 26478
 Ion Ratio Lower Upper
 43 100
 57 115.2 41.7 62.5

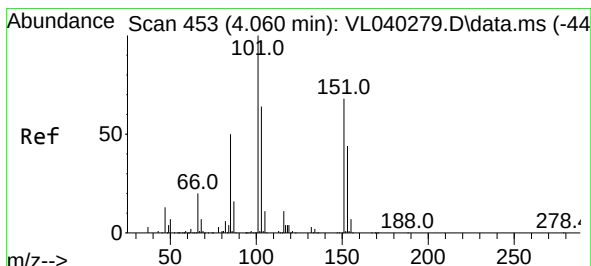
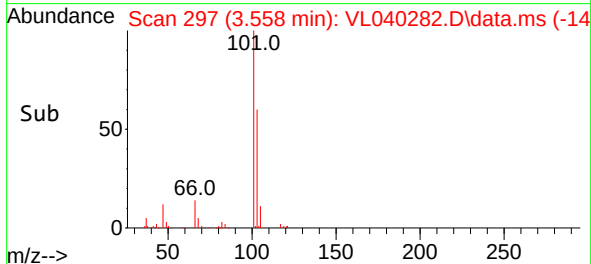
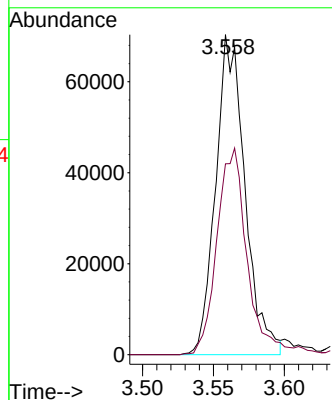
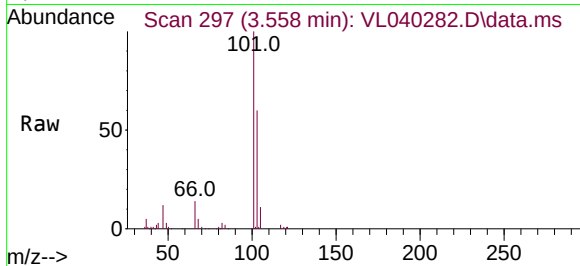




#11
 Trichlorofluoromethane
 Concen: 0.527 ppbv
 RT: 3.558 min Scan# 296
 Delta R.T. 0.003 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

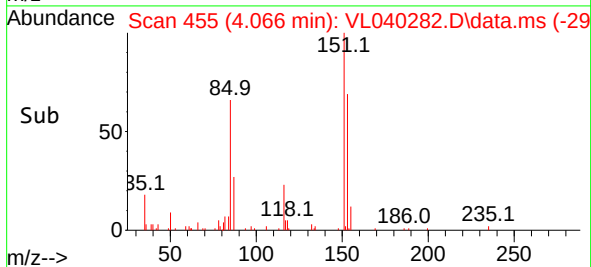
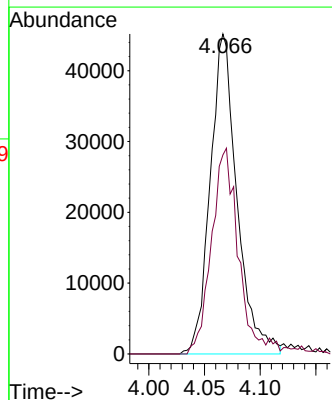
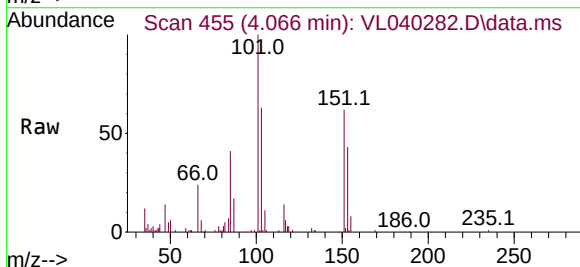
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

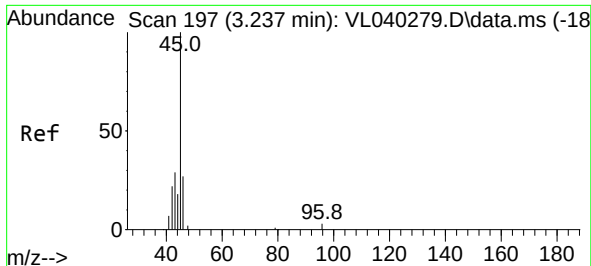
Tgt Ion:101 Resp: 101122
 Ion Ratio Lower Upper
 101 100
 103 59.7 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.524 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. 0.006 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion:101 Resp: 75483
 Ion Ratio Lower Upper
 101 100
 151 66.7 53.2 79.8

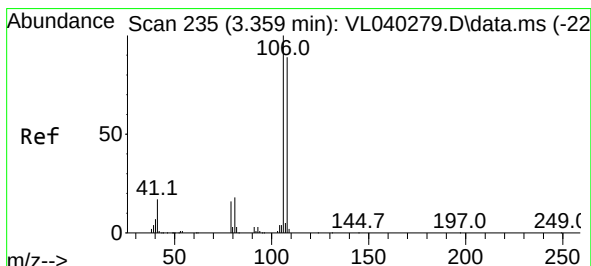
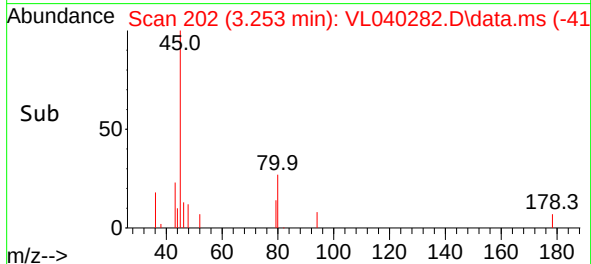
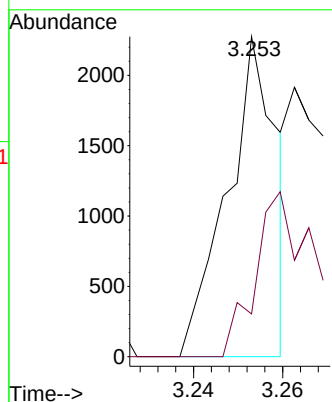
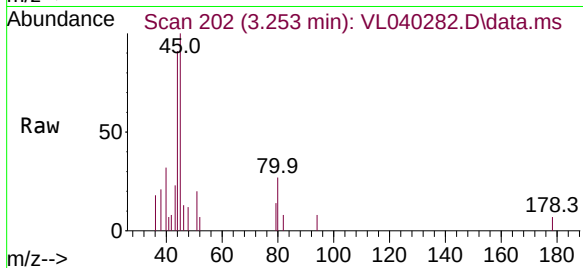




#13
Ethanol
Concen: 0.455 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.016 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

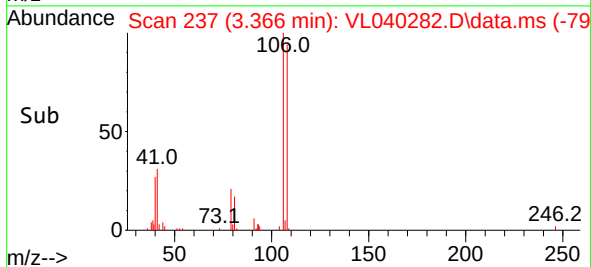
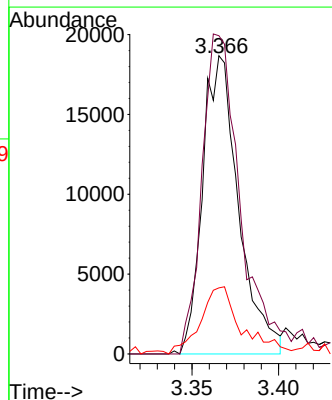
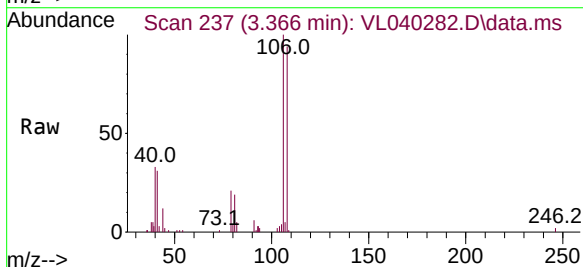
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

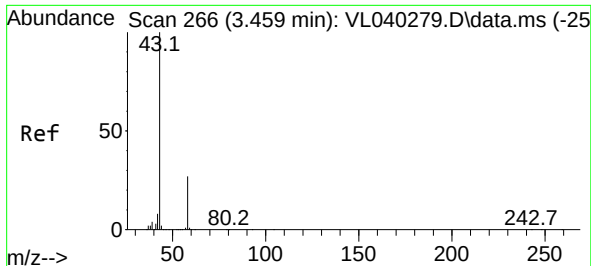
Tgt Ion: 45 Resp: 1736
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2#



#14
Bromoethene
Concen: 0.502 ppbv
RT: 3.366 min Scan# 237
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion:108 Resp: 27008
Ion Ratio Lower Upper
108 100
106 118.6 85.8 128.8
79 28.0 15.8 23.6#





#15

Acetone

Concen: 0.532 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.022 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

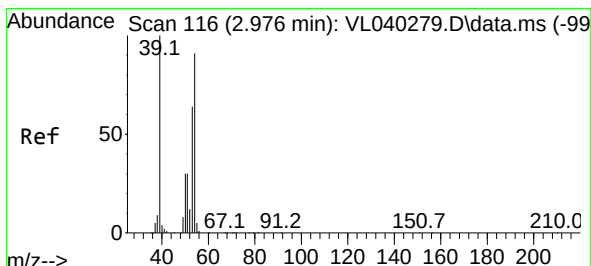
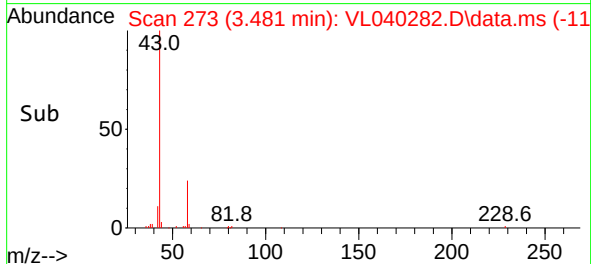
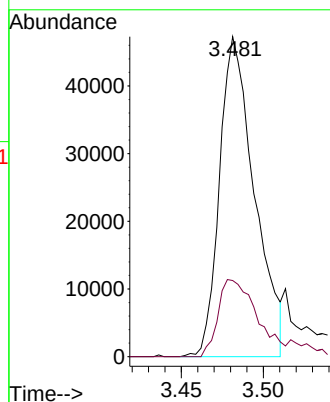
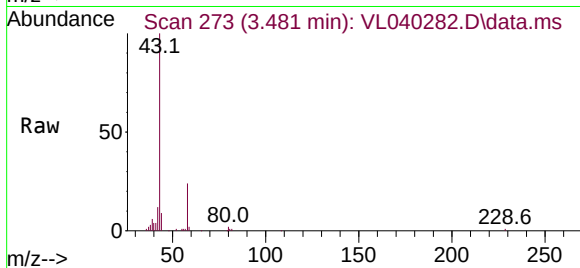
VSTDIC0.5

Tgt Ion: 43 Resp: 69886

Ion Ratio Lower Upper

43 100

58 31.9 21.8 32.8



#16

1,3-Butadiene

Concen: 0.483 ppbv

RT: 2.983 min Scan# 118

Delta R.T. 0.006 min

Lab File: VL040282.D

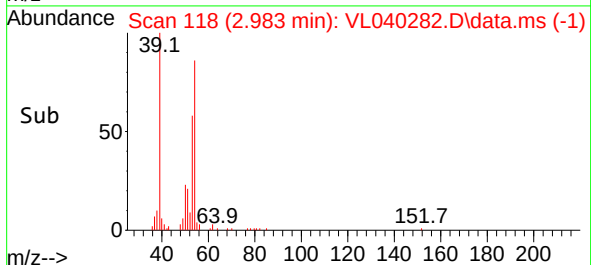
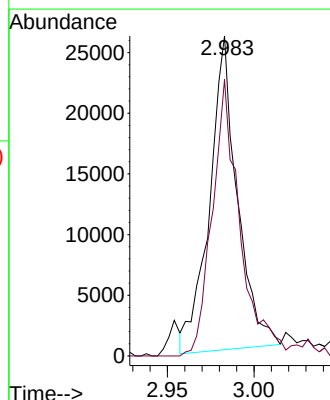
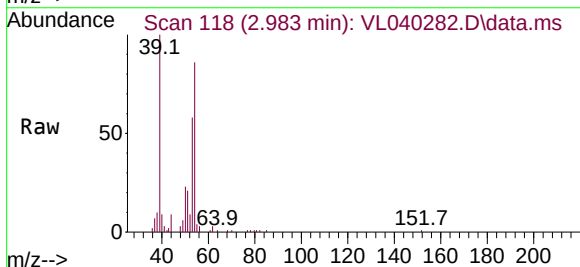
Acq: 15 Mar 2023 13:30

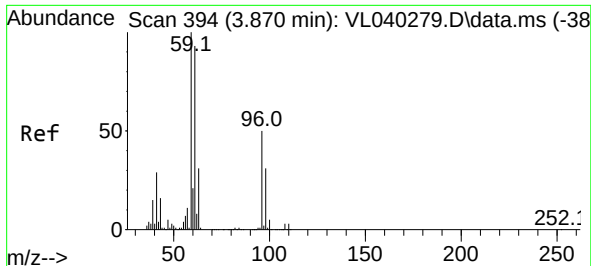
Tgt Ion: 39 Resp: 28867

Ion Ratio Lower Upper

39 100

54 92.6 68.4 102.6

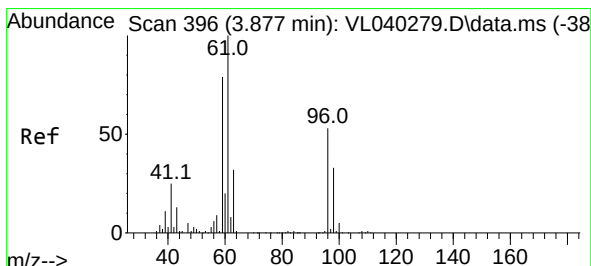
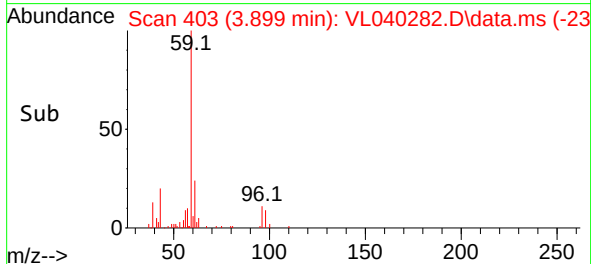
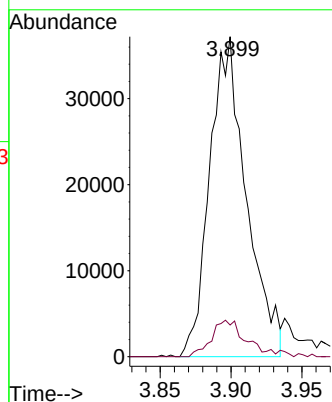
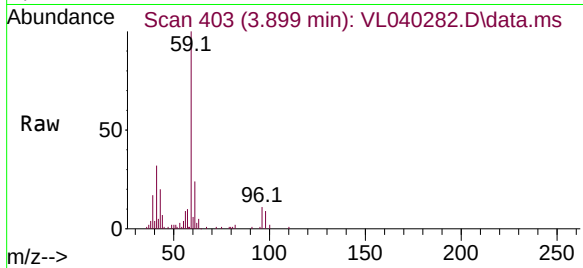




#17
tert-Butyl alcohol
Concen: 0.535 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.029 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

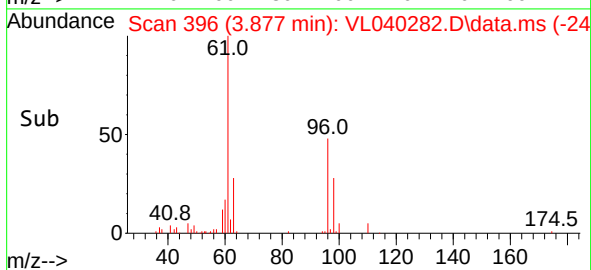
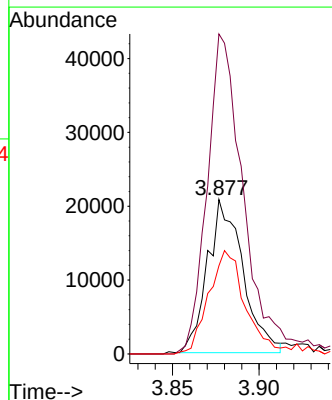
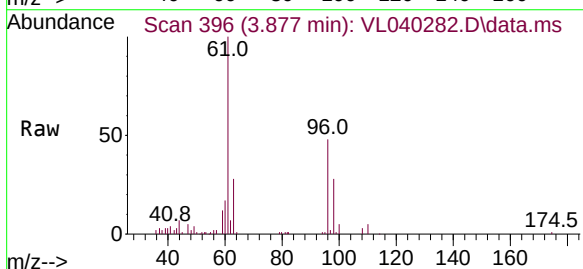
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

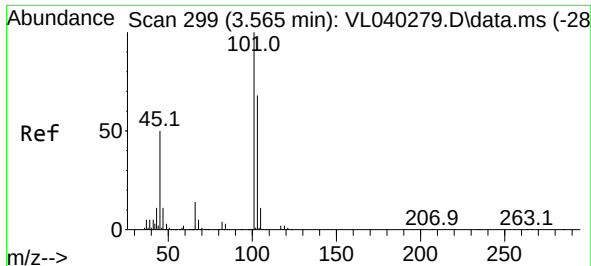
Tgt Ion: 59 Resp: 66884
Ion Ratio Lower Upper
59 100
57 11.3 8.5 12.7



#18
1,1-Dichloroethene
Concen: 0.477 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 96 Resp: 29484
Ion Ratio Lower Upper
96 100
61 206.6 150.6 226.0
98 56.4 50.3 75.5





#19

Isopropyl Alcohol

Concen: 0.535 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.026 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

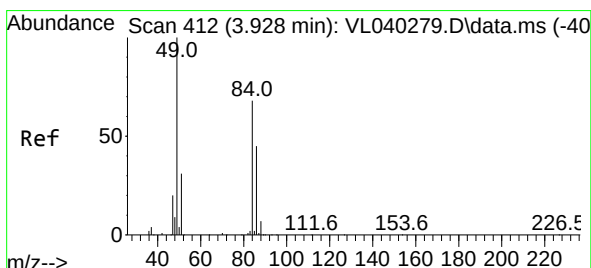
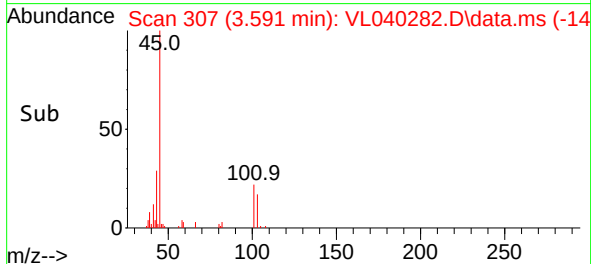
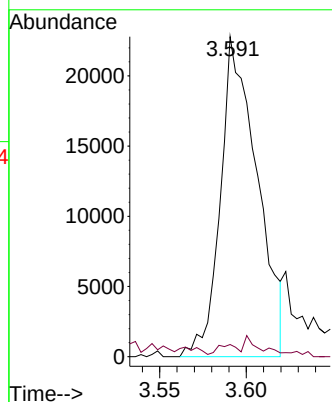
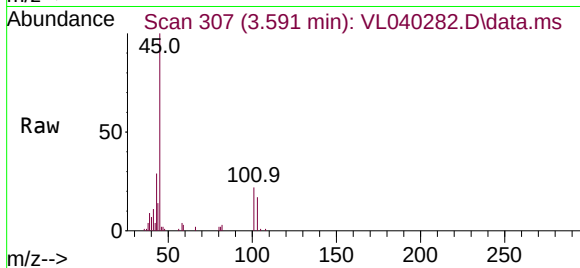
VSTDIC0.5

Tgt Ion: 45 Resp: 33668

Ion Ratio Lower Upper

45 100

58 6.0 2.7 4.1#



#20

Methylene Chloride

Concen: 0.583 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.006 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Tgt Ion: 84 Resp: 32233

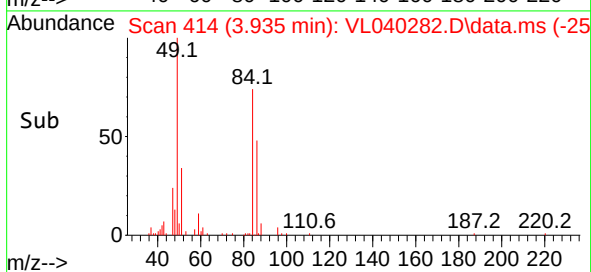
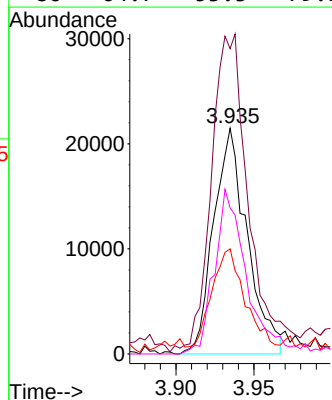
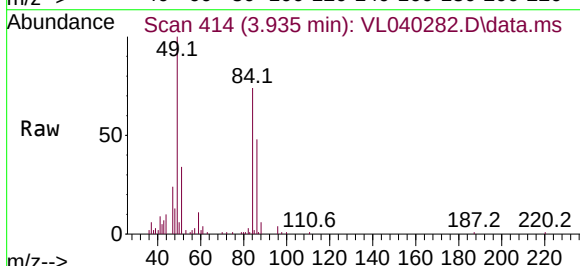
Ion Ratio Lower Upper

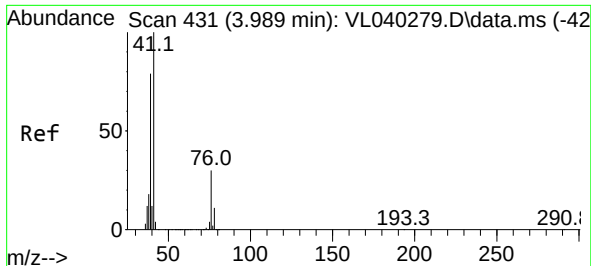
84 100

49 132.6 117.5 176.3

51 42.7 36.9 55.3

86 64.7 53.3 79.9





#21

Allyl Chloride

Concen: 0.473 ppbv

RT: 3.999 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

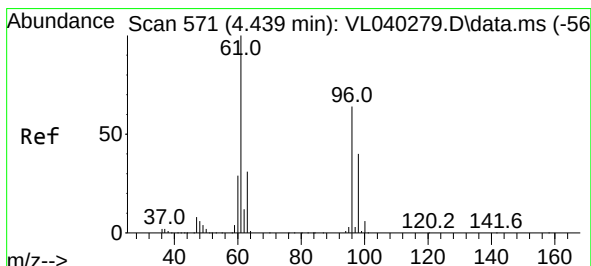
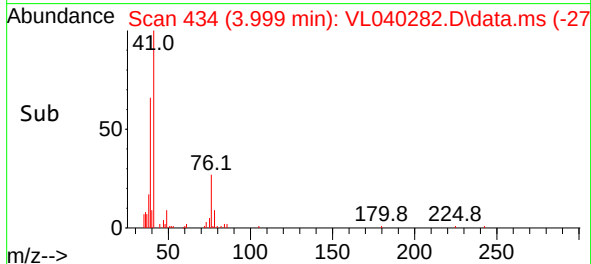
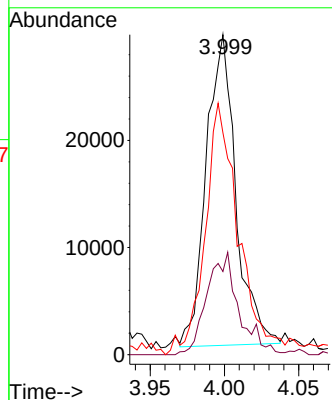
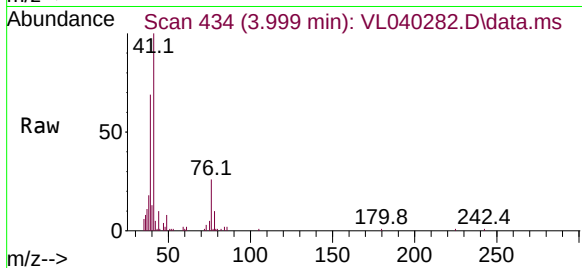
Tgt Ion: 41 Resp: 40276

Ion Ratio Lower Upper

41 100

76 36.5 25.4 38.0

39 91.3 65.4 98.2



#22

trans-1,2-Dichloroethene

Concen: 0.488 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.006 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

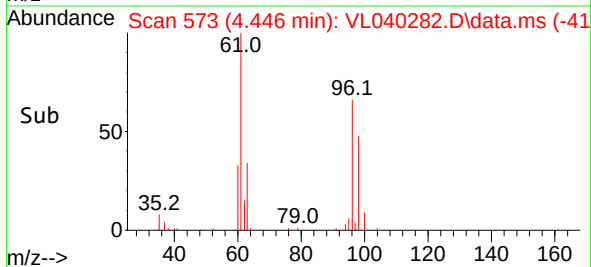
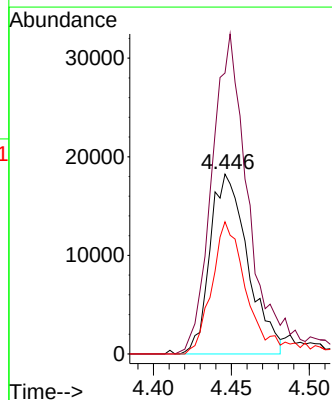
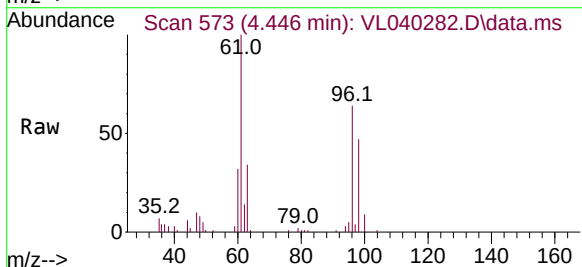
Tgt Ion: 96 Resp: 30687

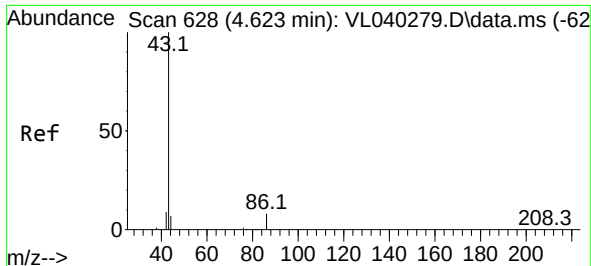
Ion Ratio Lower Upper

96 100

61 154.8 125.4 188.2

98 73.5 49.8 74.6



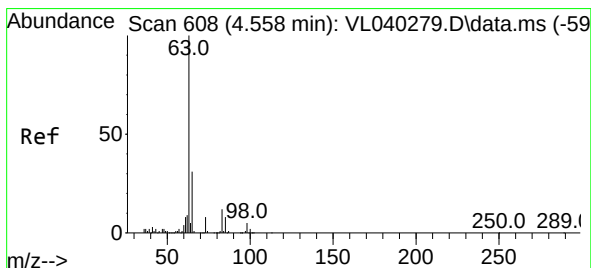
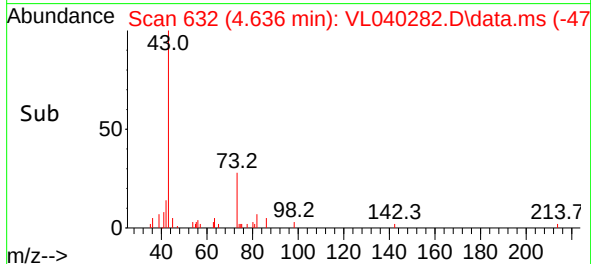
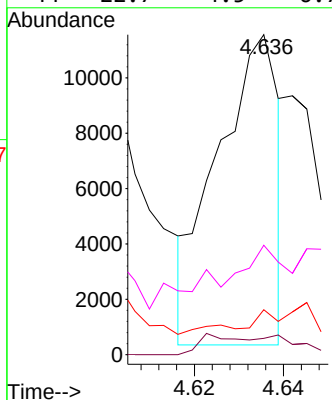
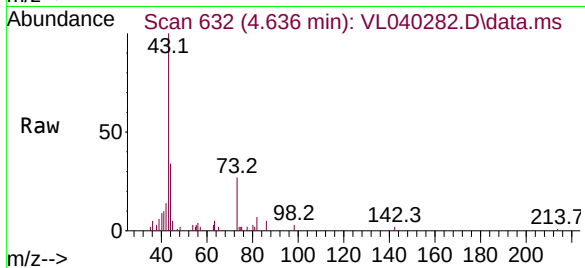


#23
 Vinyl Acetate
 Concen: 0.294 ppbv
 RT: 4.636 min Scan# 611
 Delta R.T. 0.013 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 10743

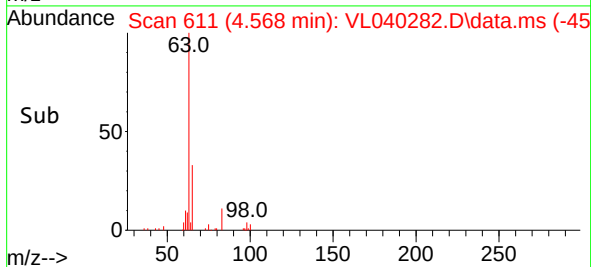
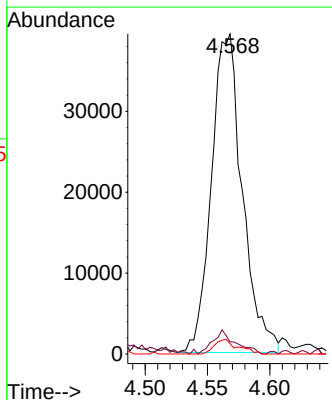
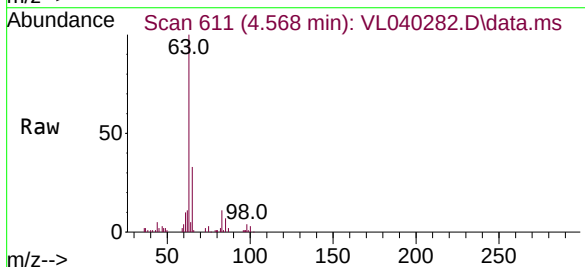
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.0	7.4#
42	12.2	9.1	13.7
44	22.7	4.5	6.7#

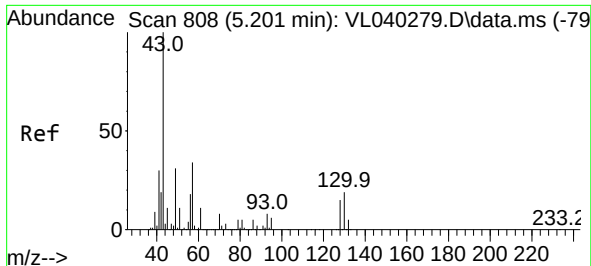


#24
 1,1-Dichloroethane
 Concen: 0.521 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.010 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion: 63 Resp: 67995

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.4	7.2
100	3.2	1.2	3.6





#25

Ethyl Acetate

Concen: 0.515 ppbv

RT: 5.218 min Scan# 811

Delta R.T. 0.016 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 126631

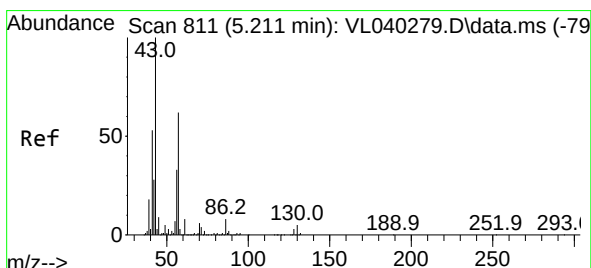
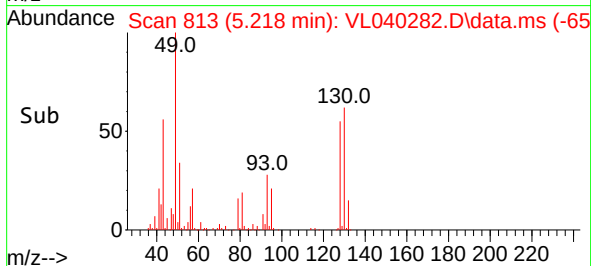
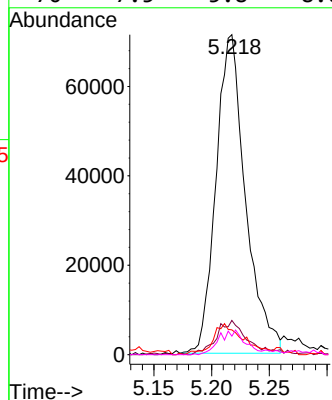
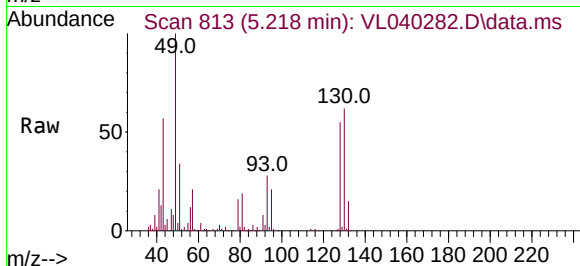
Ion Ratio Lower Upper

43 100

45 11.5 8.6 12.8

61 11.3 8.4 12.6

70 7.5 5.8 8.6



#26

Hexane

Concen: 0.520 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Tgt Ion: 57 Resp: 52480

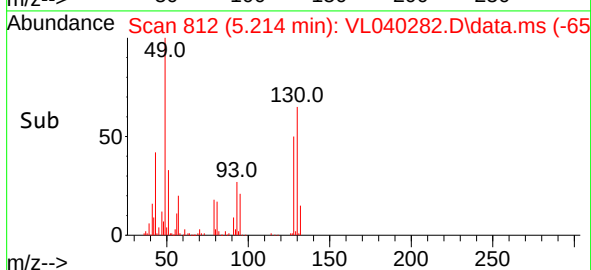
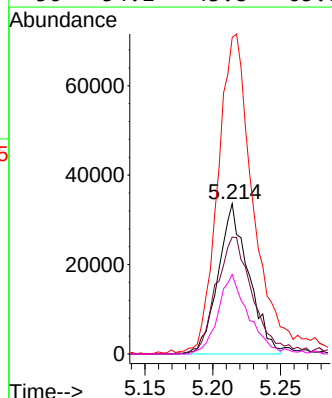
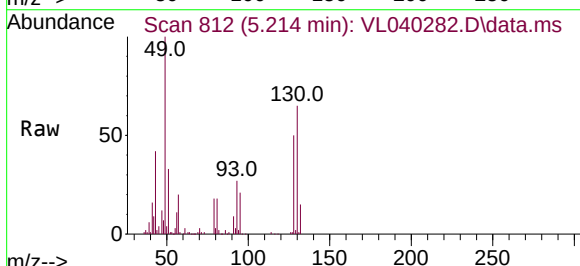
Ion Ratio Lower Upper

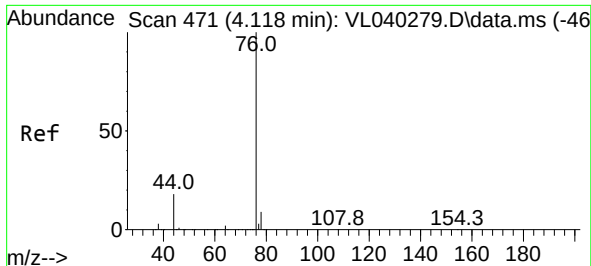
57 100

41 96.3 73.5 110.3

43 257.9 196.3 294.5

56 54.1 43.8 65.8

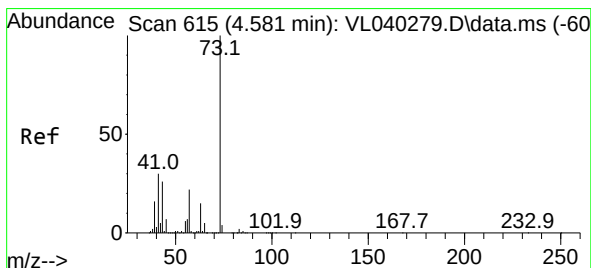
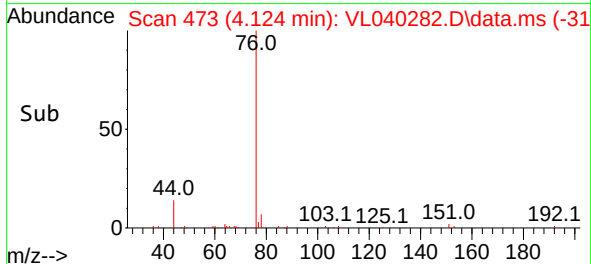
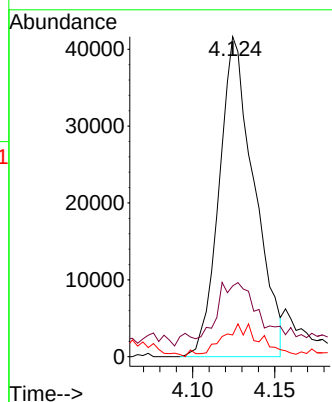
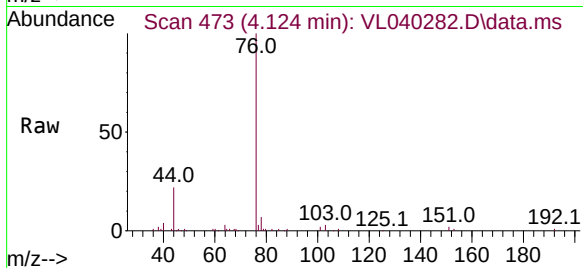




#27
Carbon Disulfide
Concen: 0.438 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

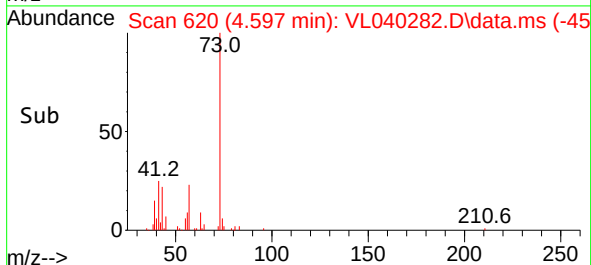
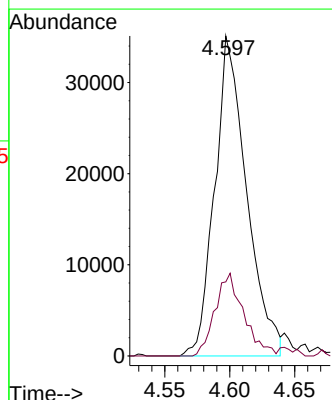
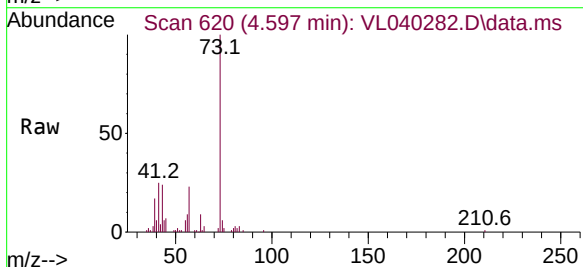
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

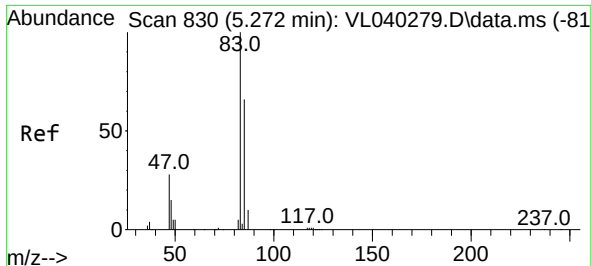
Tgt Ion: 76 Resp: 61853
Ion Ratio Lower Upper
76 100
44 22.6 15.2 22.8
78 13.1 7.6 11.4#



#28
Methyl tert-Butyl Ether
Concen: 0.516 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.016 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 73 Resp: 59879
Ion Ratio Lower Upper
73 100
57 24.9 18.4 27.6





#29

Chloroform

Concen: 0.533 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

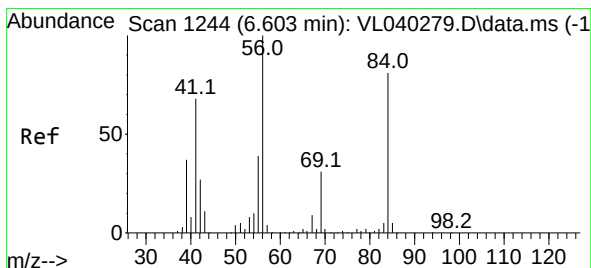
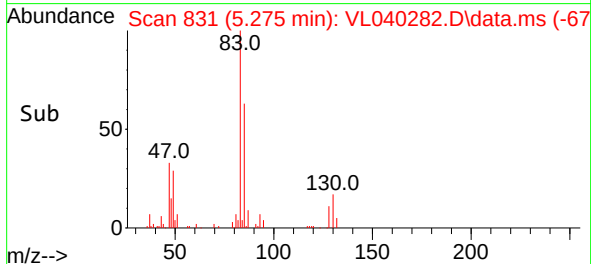
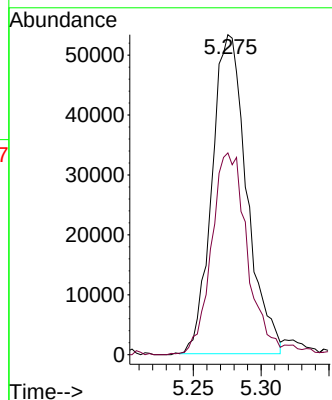
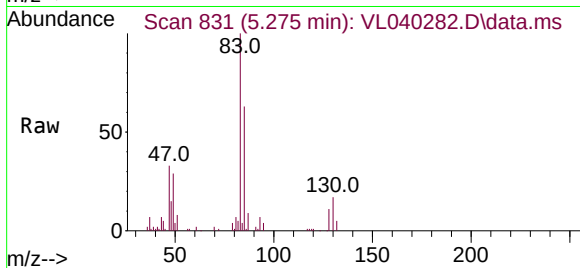
VSTDICC0.5

Tgt Ion: 83 Resp: 95098

Ion Ratio Lower Upper

83 100

85 62.7 52.8 79.2



#30

Cyclohexane

Concen: 0.270 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

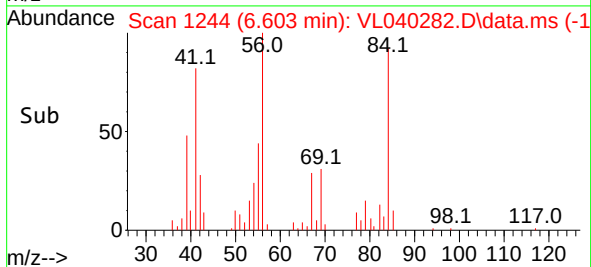
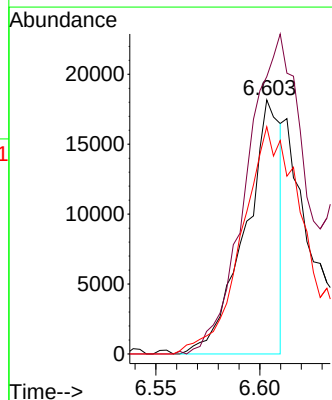
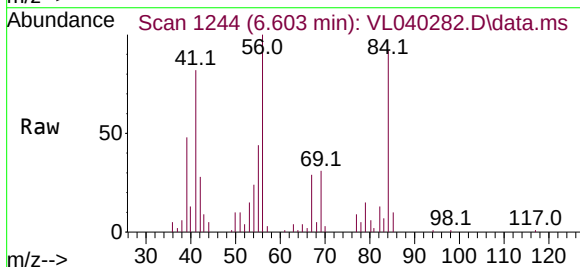
Tgt Ion: 84 Resp: 21487

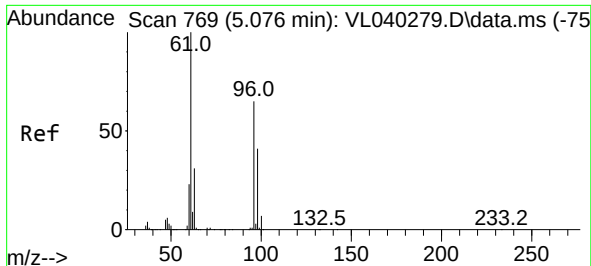
Ion Ratio Lower Upper

84 100

56 0.0 109.0 163.4#

41 166.4 67.9 101.9#

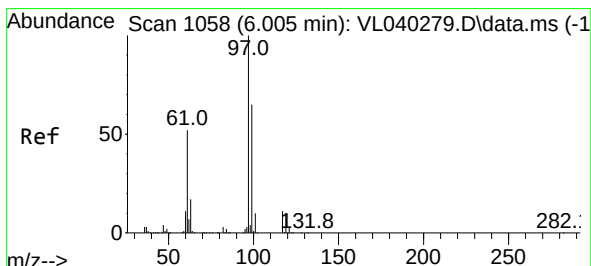
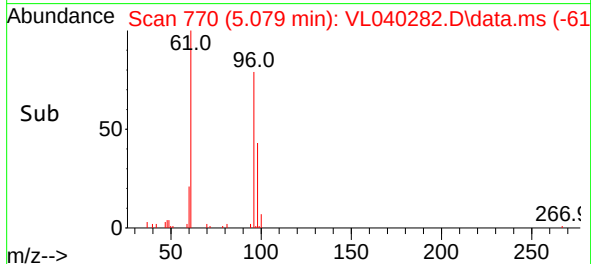
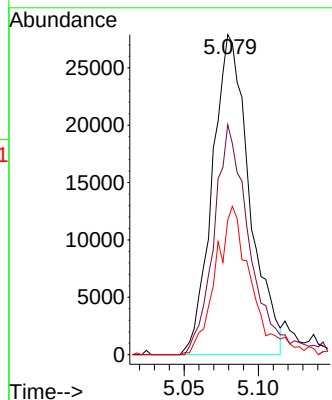
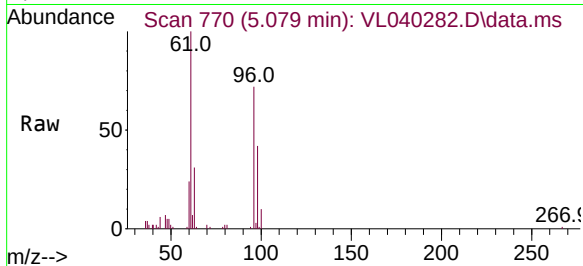




#31
 cis-1,2-Dichloroethene
 Concen: 0.493 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

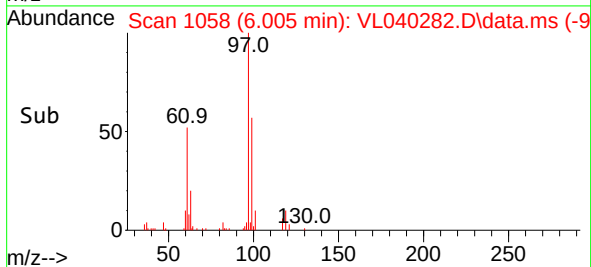
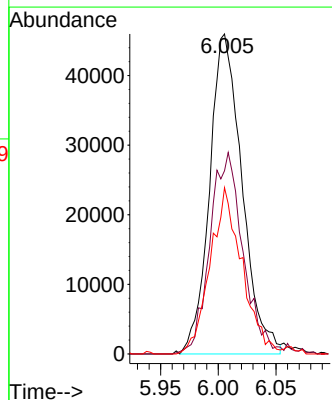
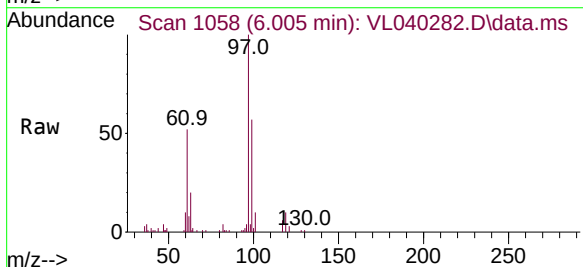
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

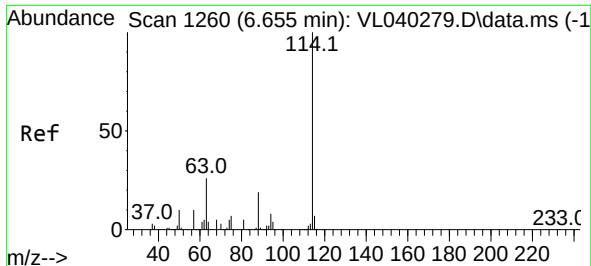
Tgt Ion: 61 Resp: 48501
 Ion Ratio Lower Upper
 61 100
 96 71.9 51.8 77.8
 98 42.0 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 0.527 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion: 97 Resp: 90005
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.2 78.2
 61 51.9 41.4 62.2

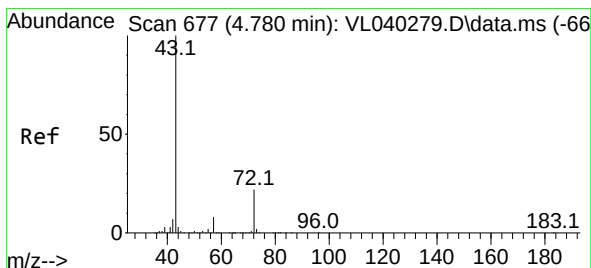
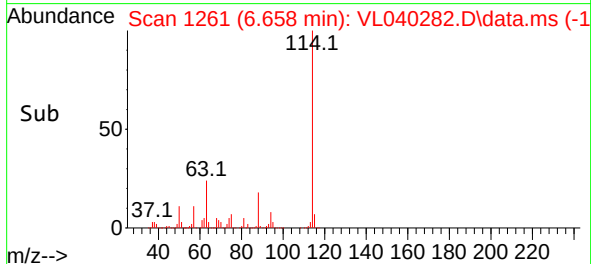
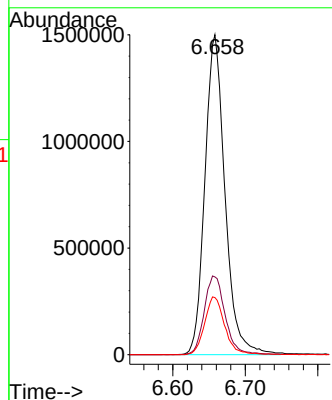
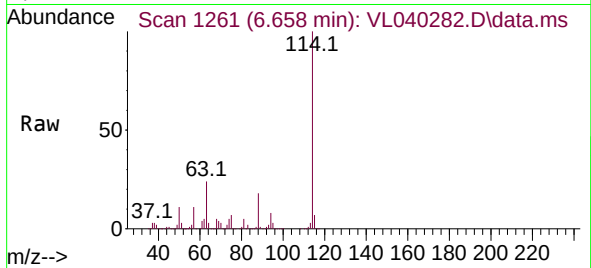




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

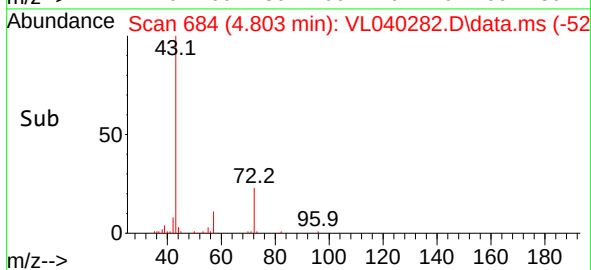
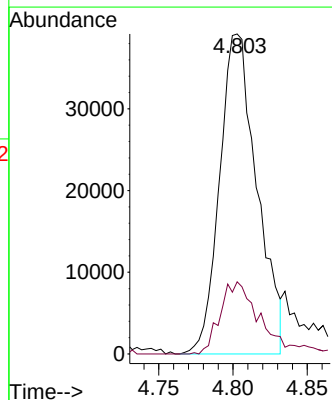
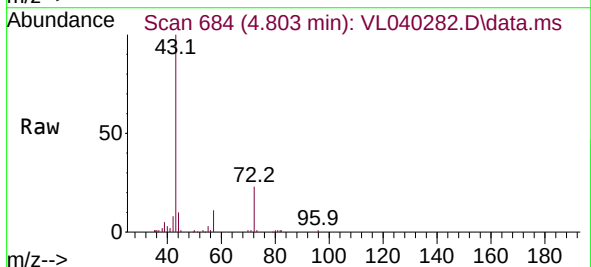
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

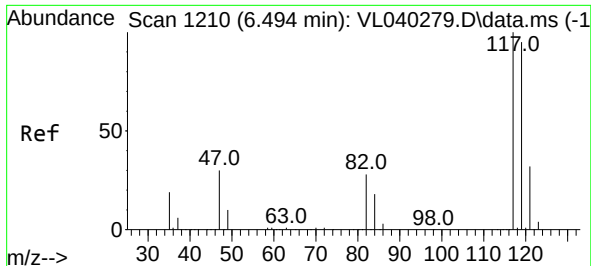
Tgt Ion:114 Resp: 2894578
Ion Ratio Lower Upper
114 100
63 25.9 21.2 31.8
88 18.2 14.5 21.7



#34
2-Butanone
Concen: 0.480 ppbv
RT: 4.803 min Scan# 684
Delta R.T. 0.023 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 43 Resp: 68630
Ion Ratio Lower Upper
43 100
72 24.9 18.3 27.5

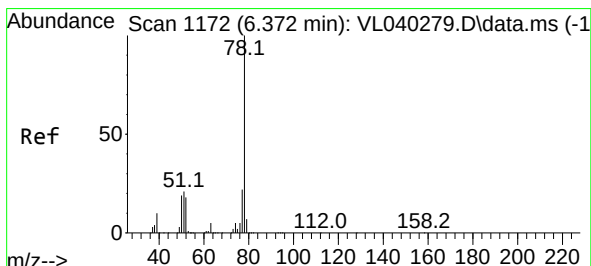
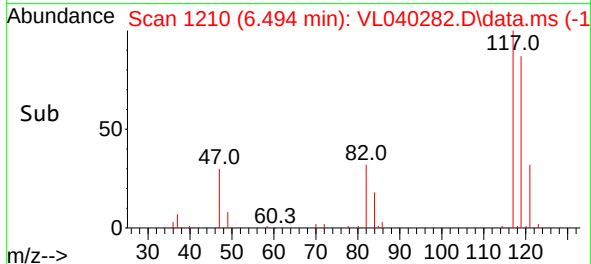
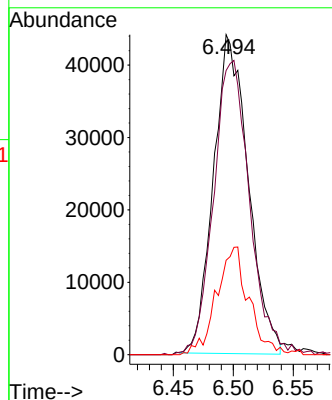
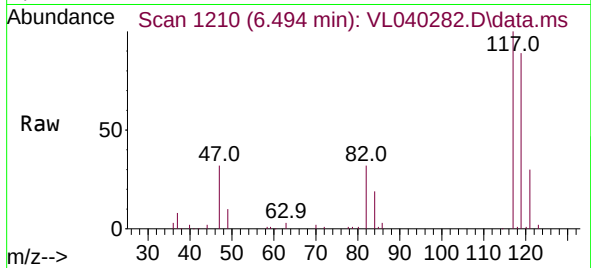




#35
Carbon Tetrachloride
Concen: 0.488 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

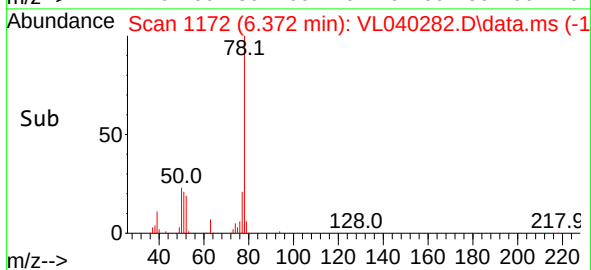
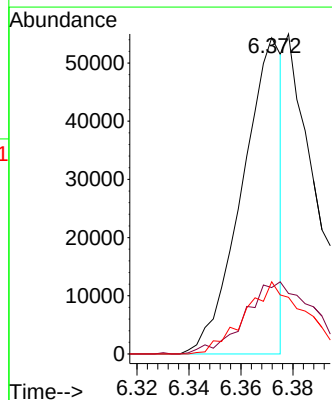
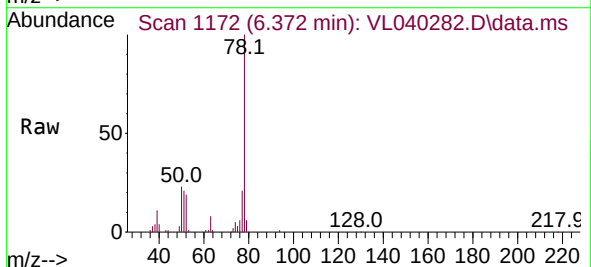
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

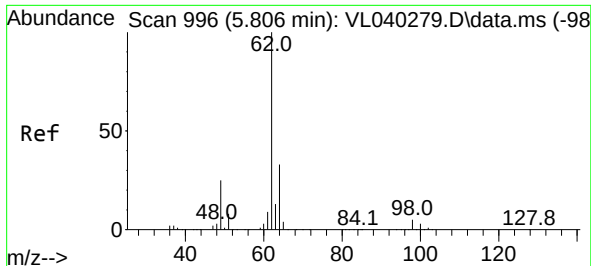
Tgt Ion:117 Resp: 88627
Ion Ratio Lower Upper
117 100
119 88.5 76.4 114.6
121 29.7 25.6 38.4



#36
Benzene
Concen: 0.261 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 78 Resp: 57555
Ion Ratio Lower Upper
78 100
77 21.0 17.8 26.8
50 22.8 15.4 23.2





#37

1,2-Dichloroethane

Concen: 0.508 ppbv

RT: 5.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

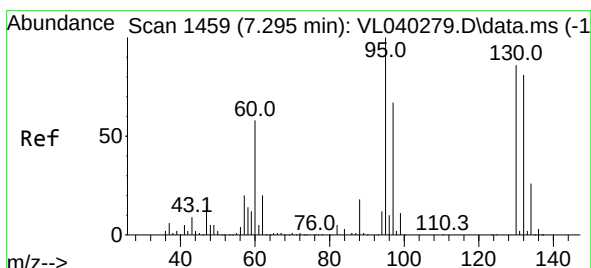
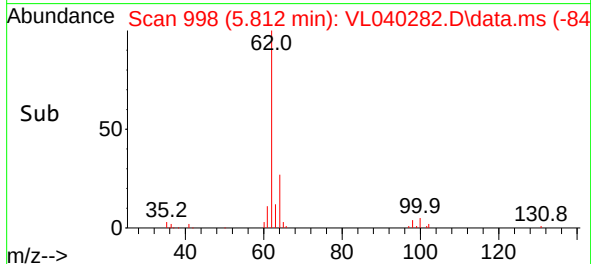
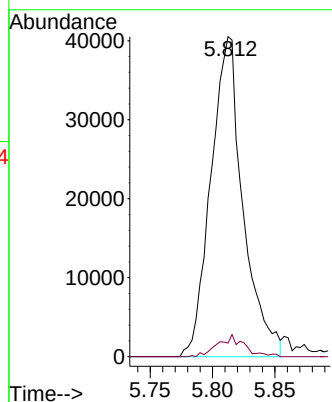
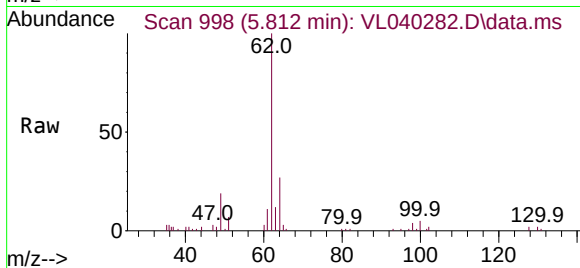
VSTDIC0.5

Tgt Ion: 62 Resp: 72953

Ion Ratio Lower Upper

62 100

98 5.6 4.3 6.5



#38

Trichloroethene

Concen: 0.486 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Tgt Ion:130 Resp: 58557

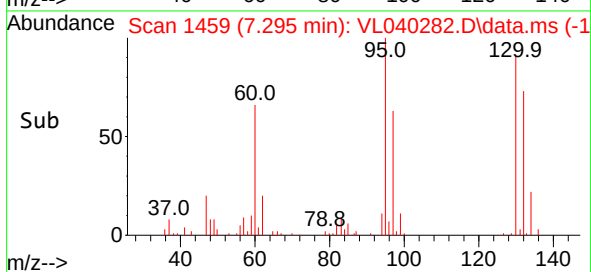
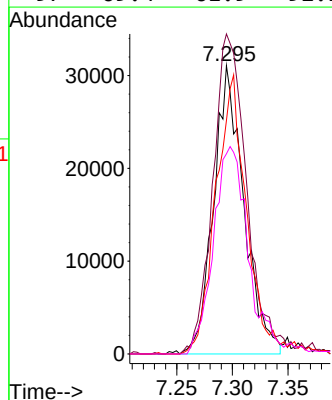
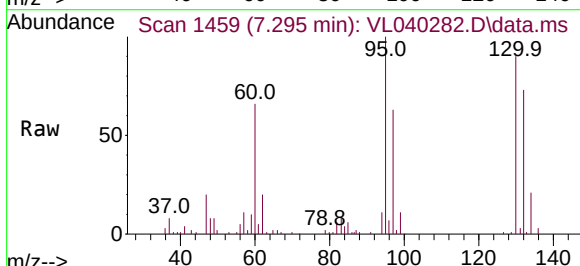
Ion Ratio Lower Upper

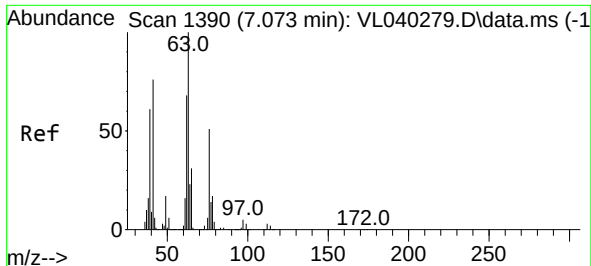
130 100

95 111.0 93.0 139.4

132 81.0 75.3 112.9

97 69.4 61.9 92.9





#39

1,2-Dichloropropane

Concen: 0.276 ppbv

RT: 7.076 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

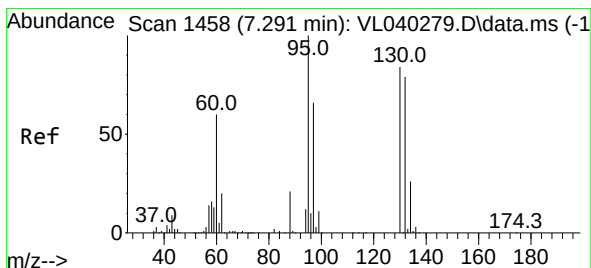
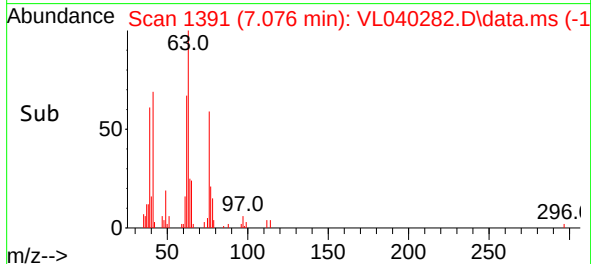
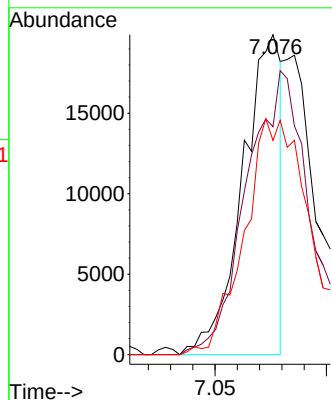
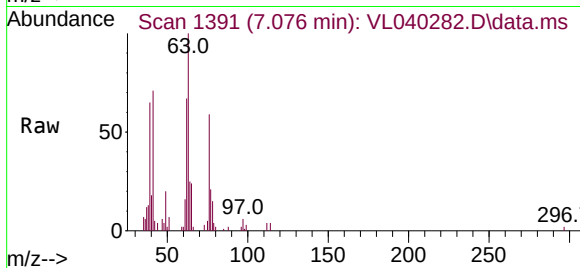
Tgt Ion: 63 Resp: 23876

Ion Ratio Lower Upper

63 100

41 71.2 60.8 91.2

62 67.0 54.1 81.1



#40

1,4-Dioxane

Concen: 0.019 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Tgt Ion: 88 Resp: 638

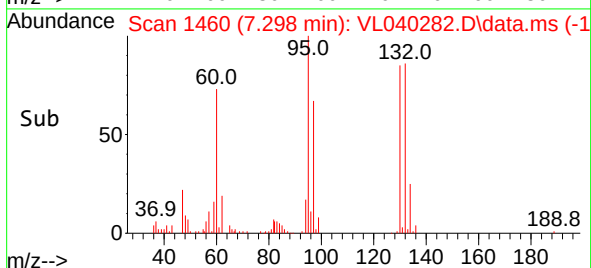
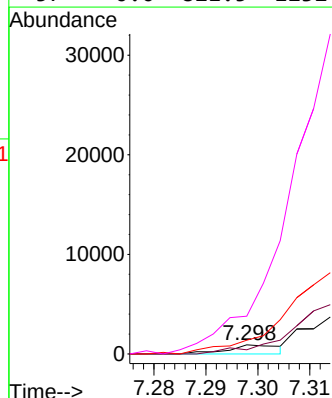
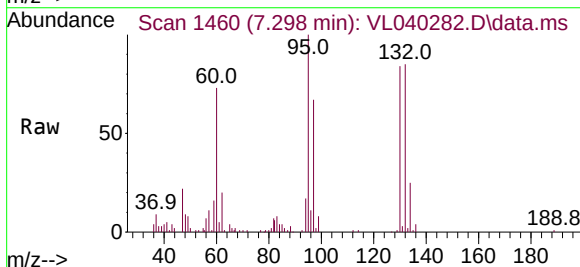
Ion Ratio Lower Upper

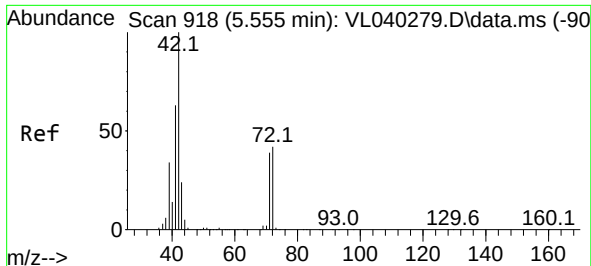
88 100

58 0.0 96.0 144.0#

43 0.0 187.6 281.4#

57 0.0 821.5 1232.3#

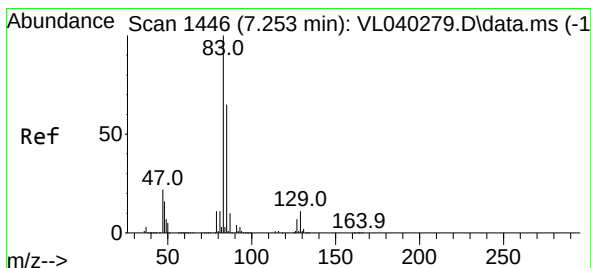
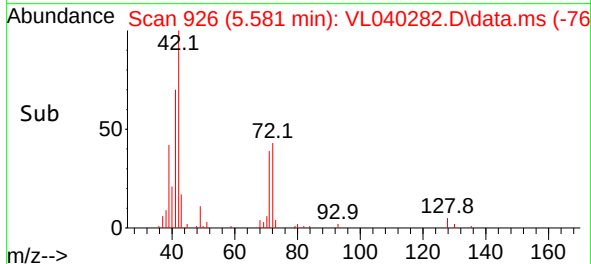
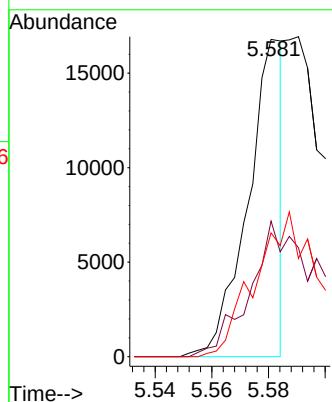
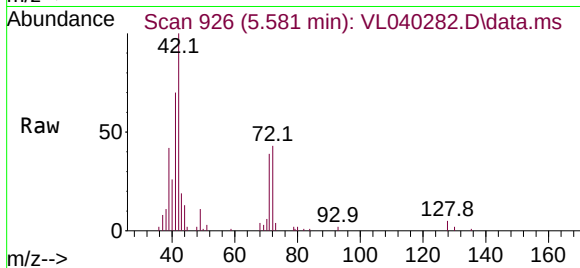




#41
Tetrahydrofuran
Concen: 0.174 ppbv
RT: 5.581 min Scan# 918
Delta R.T. 0.026 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

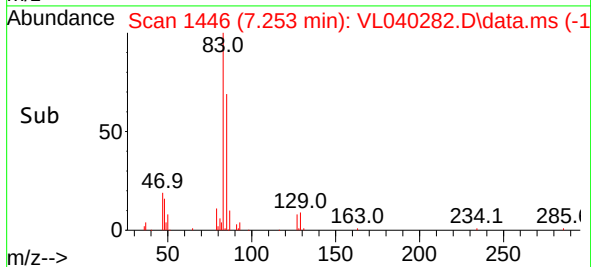
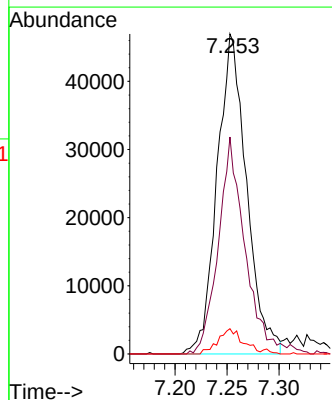
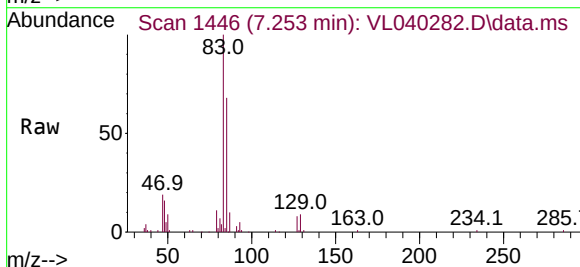
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

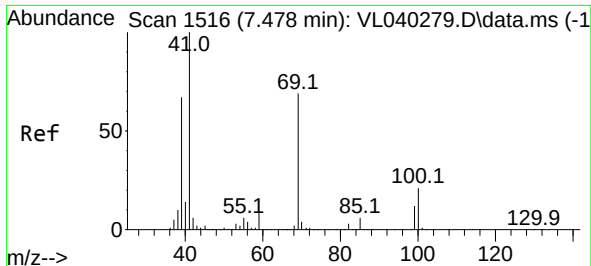
Tgt Ion: 42 Resp: 14368
Ion Ratio Lower Upper
42 100
72 96.9 32.6 49.0#
71 0.0 31.0 46.4#



#42
Bromodichloromethane
Concen: 0.471 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 83 Resp: 92486
Ion Ratio Lower Upper
83 100
85 67.8 52.1 78.1
127 7.9 5.8 8.6





#43

Methyl Methacrylate

Concen: 0.283 ppbv

RT: 7.484 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

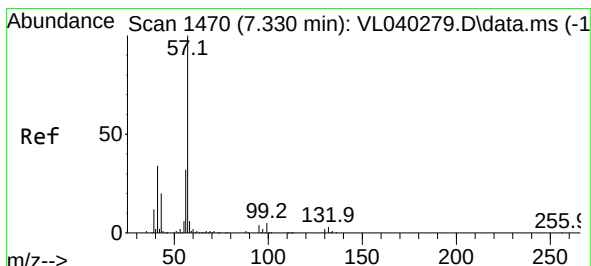
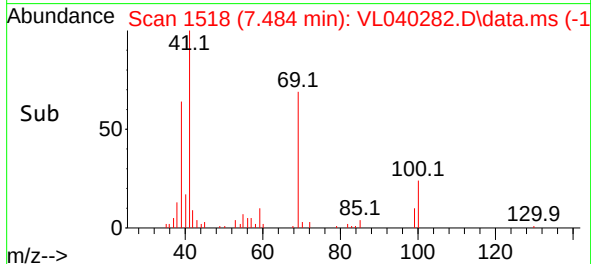
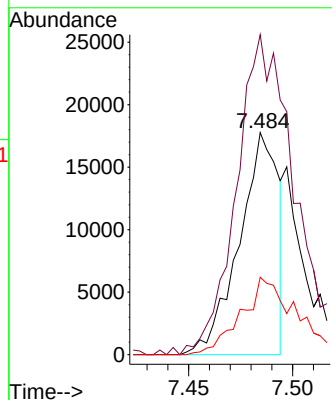
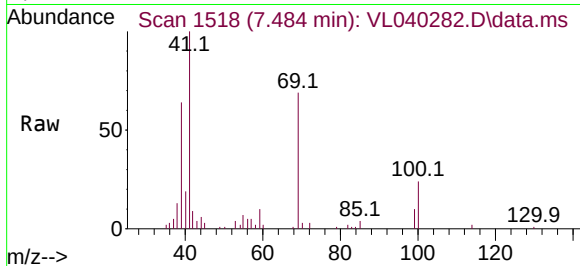
Tgt Ion: 69 Resp: 23216

Ion Ratio Lower Upper

69 100

41 222.9 116.9 175.3#

100 49.8 24.2 36.4#



#44

2,2,4-Trimethylpentane

Concen: 0.475 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

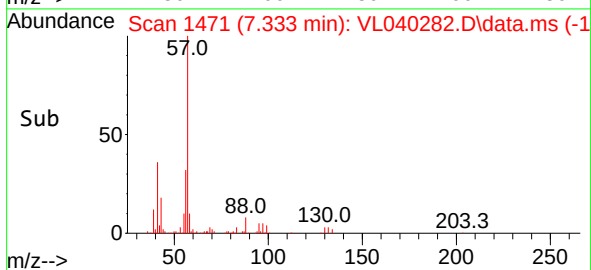
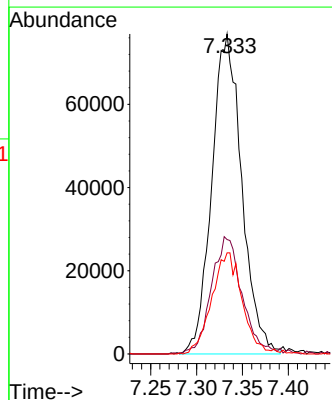
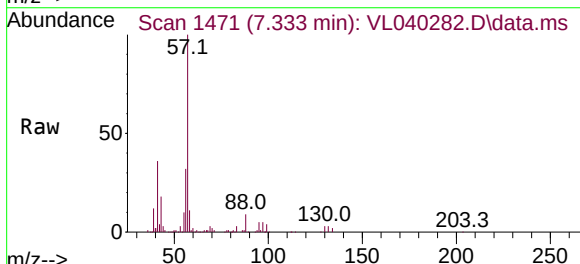
Tgt Ion: 57 Resp: 174712

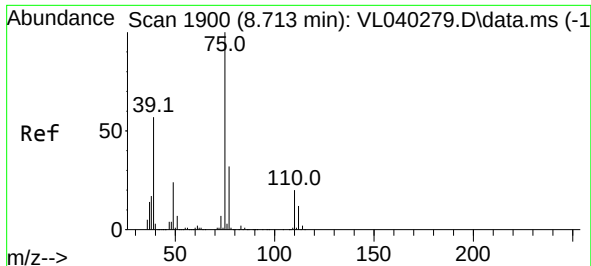
Ion Ratio Lower Upper

57 100

41 37.9 26.8 40.2

56 32.5 25.0 37.6

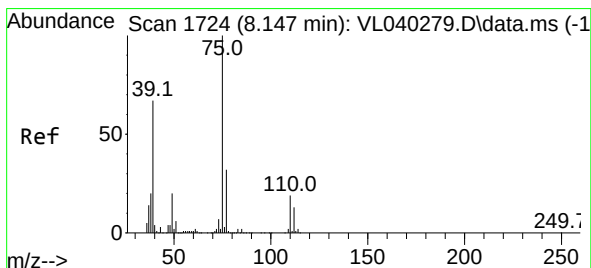
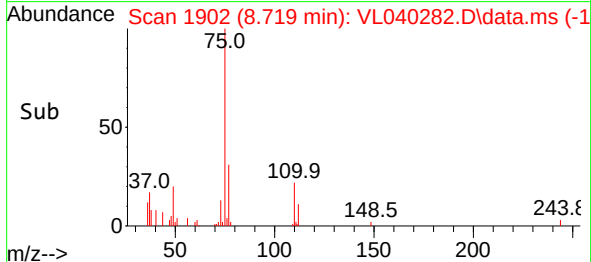
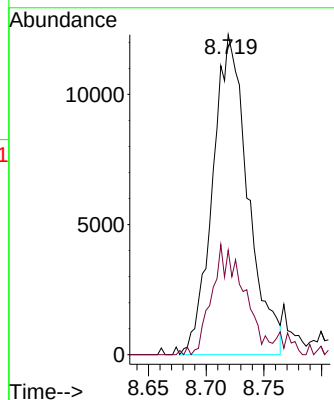
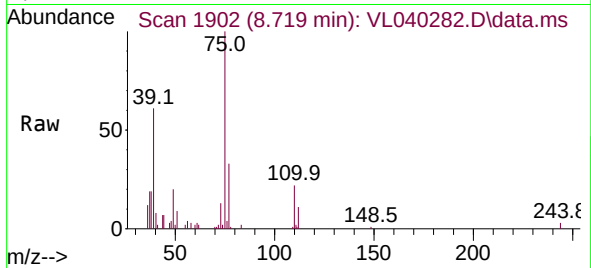




#45
 t-1,3-Dichloropropene
 Concen: 0.366 ppbv
 RT: 8.719 min Scan# 1902
 Delta R.T. 0.006 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

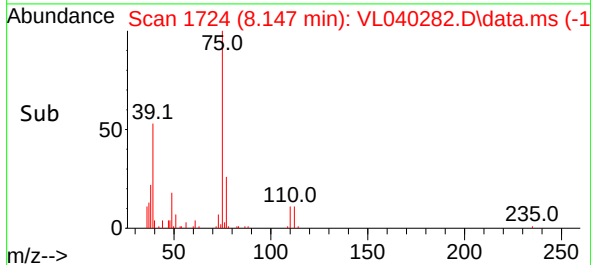
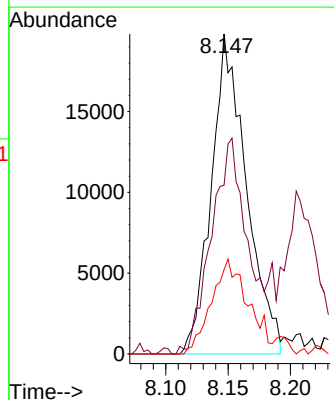
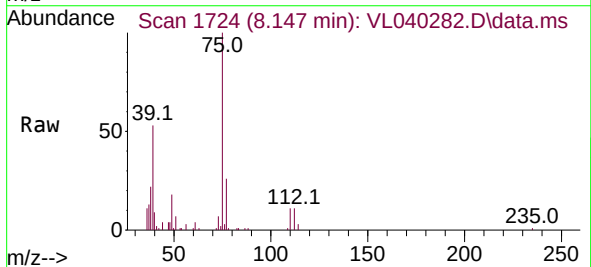
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

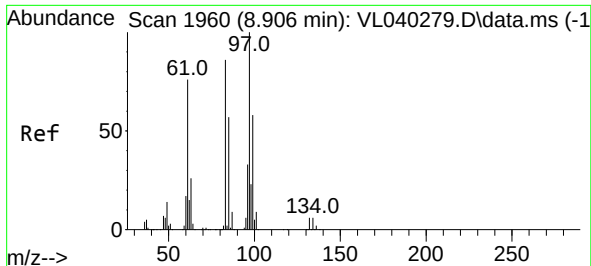
Tgt Ion: 75 Resp: 26175
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0



#46
 cis-1,3-Dichloropropene
 Concen: 0.382 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion: 75 Resp: 38810
 Ion Ratio Lower Upper
 75 100
 39 50.3 53.9 80.9#
 77 26.4 25.3 37.9

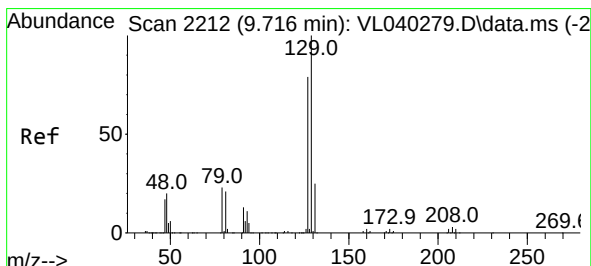
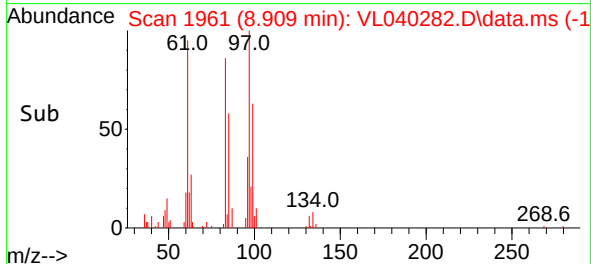
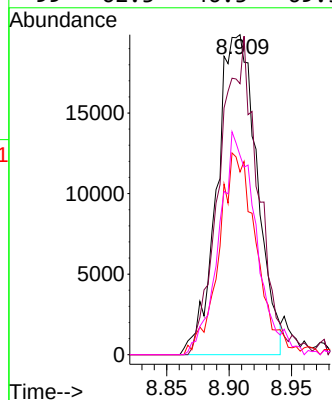
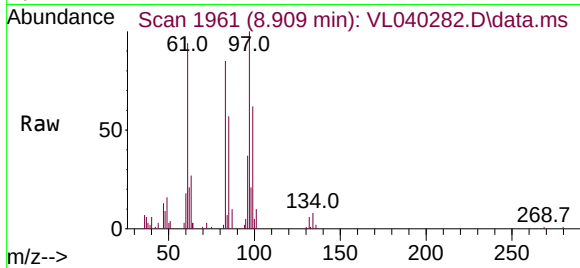




#47
1,1,2-Trichloroethane
Concen: 0.479 ppbv
RT: 8.909 min Scan# 1961
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

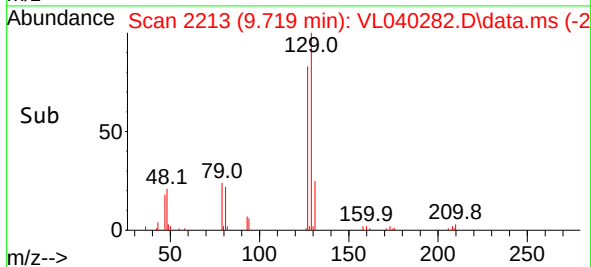
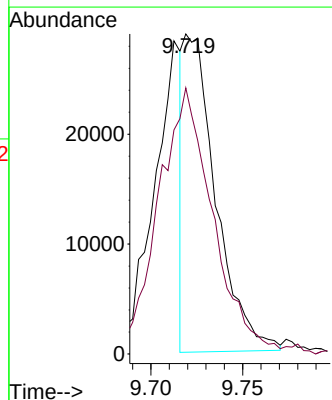
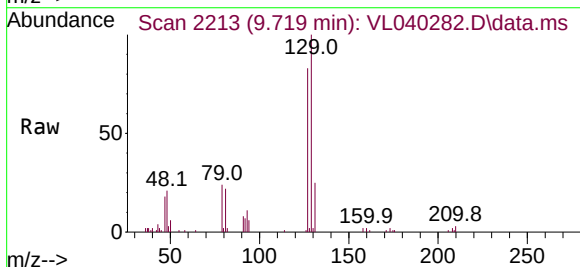
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

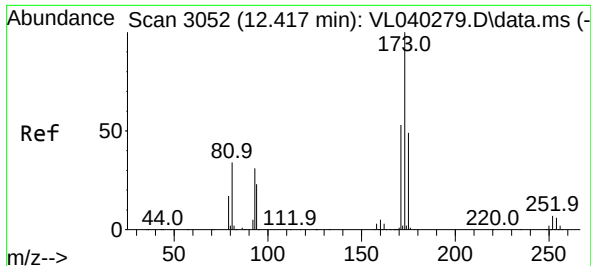
Tgt Ion: 97	Resp:	44275
Ion	Ratio	Lower Upper
97	100	
83	84.7	68.6 103.0
85	57.1	46.0 69.0
99	62.3	46.3 69.5



#48
Dibromochloromethane
Concen: 0.231 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 129	Resp:	35040
Ion	Ratio	Lower Upper
129	100	
127	144.3	39.1 117.5

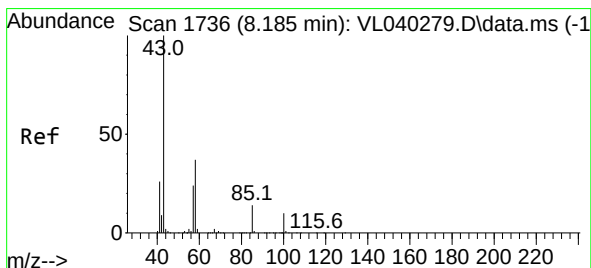
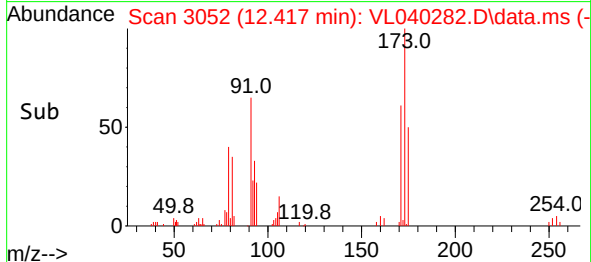
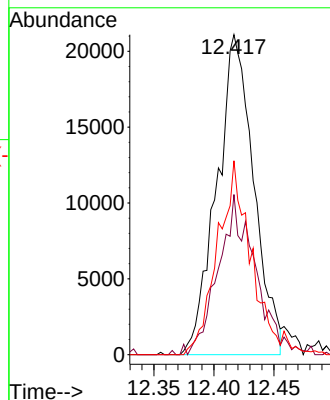
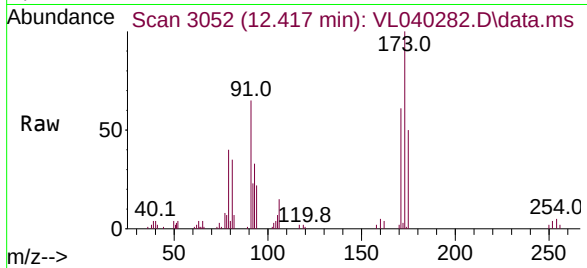




#49
Bromoform
Concen: 0.397 ppbv
RT: 12.417 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

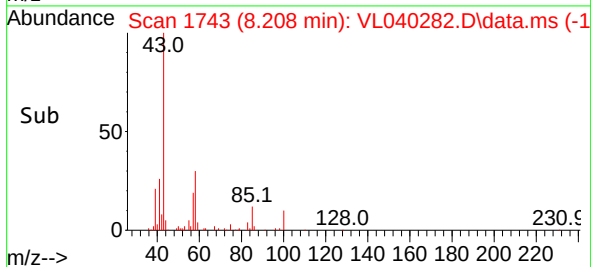
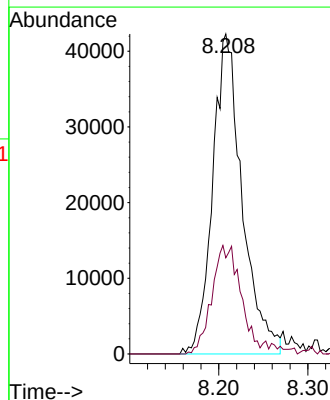
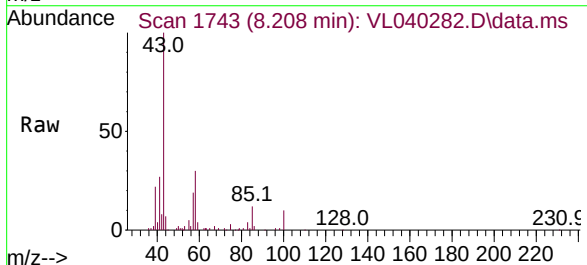
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

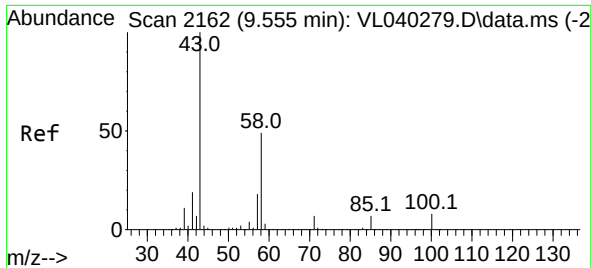
Tgt Ion:173 Resp: 45301
Ion Ratio Lower Upper
173 100
175 50.4 39.8 59.8
171 55.8 42.2 63.4



#50
4-Methyl-2-Pentanone
Concen: 0.440 ppbv
RT: 8.208 min Scan# 1743
Delta R.T. 0.023 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 43 Resp: 97244
Ion Ratio Lower Upper
43 100
58 35.2 29.2 43.8

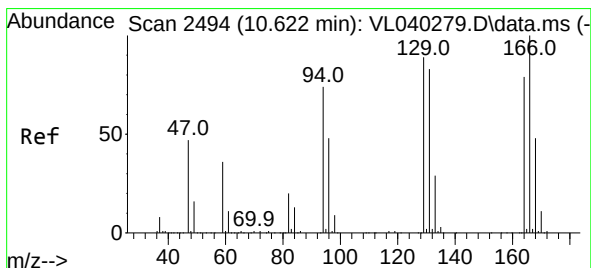
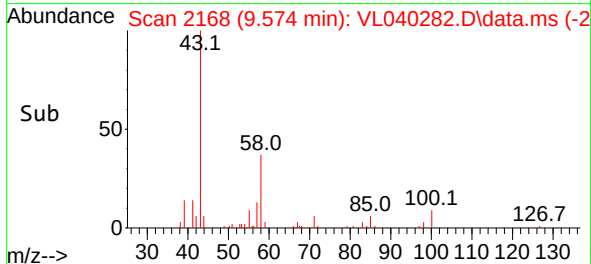
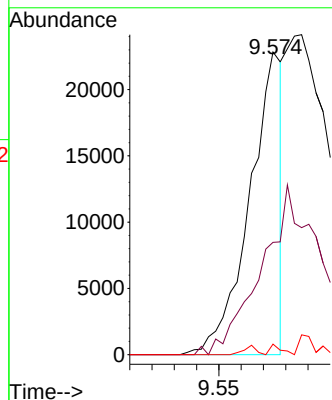
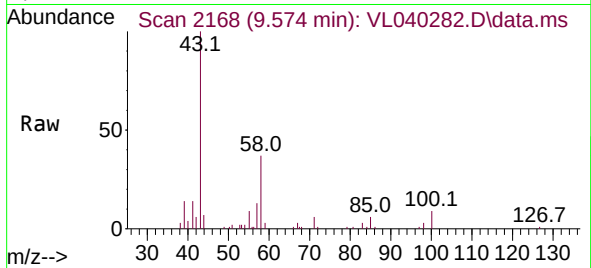




#51
2-Hexanone
Concen: 0.134 ppbv
RT: 9.574 min Scan# 2168
Delta R.T. 0.019 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

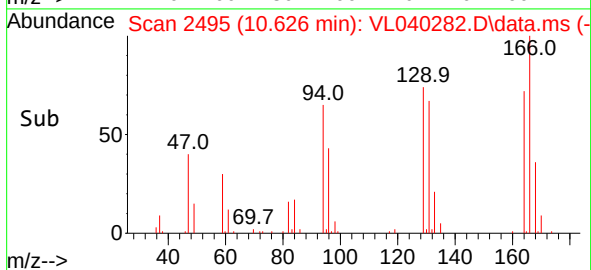
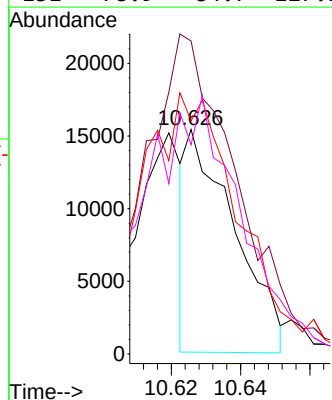
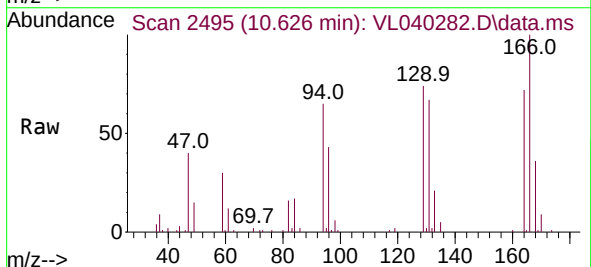
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

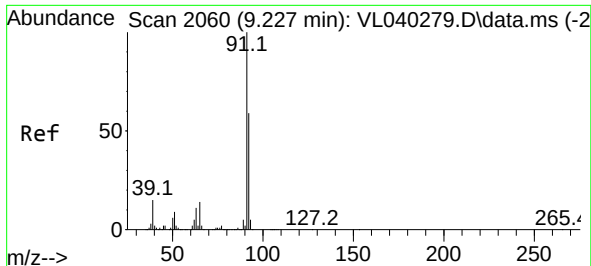
Tgt Ion: 43 Resp: 23010
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.221 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 164 Resp: 14782
Ion Ratio Lower Upper
164 100
166 124.1 101.8 152.6
129 97.2 90.2 135.2
131 78.9 84.7 127.1#

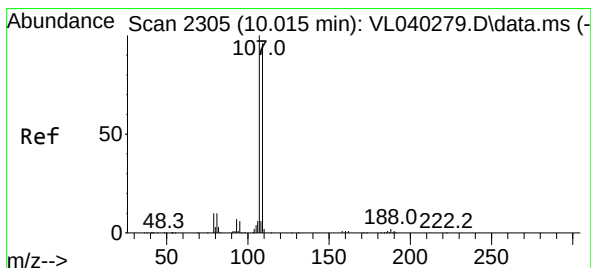
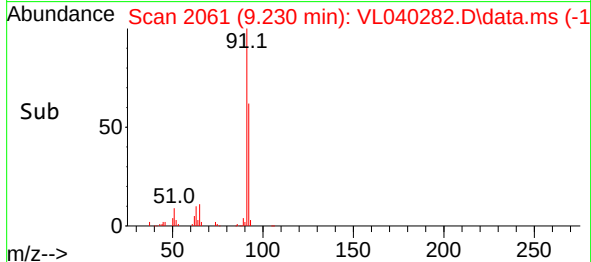
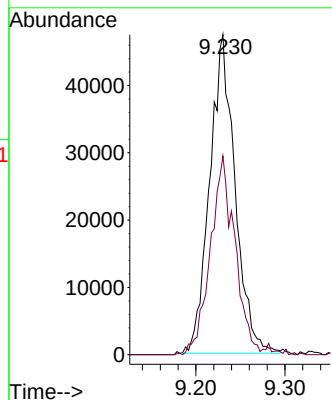
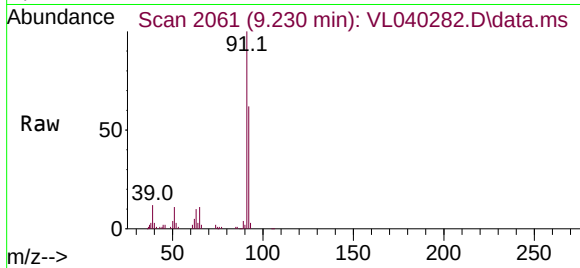




#53
Toluene
Concen: 0.405 ppbv
RT: 9.230 min Scan# 2060
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

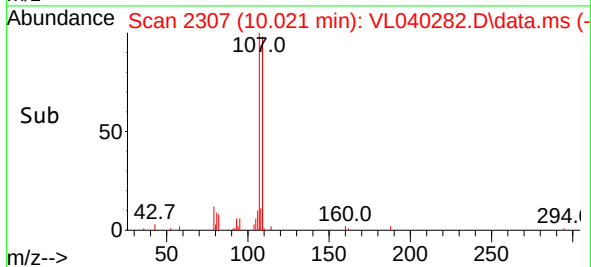
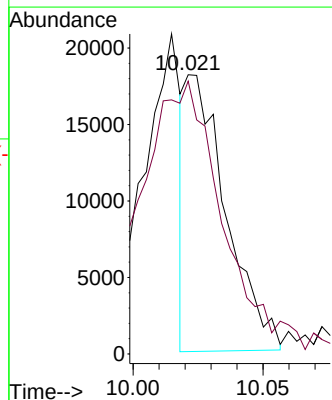
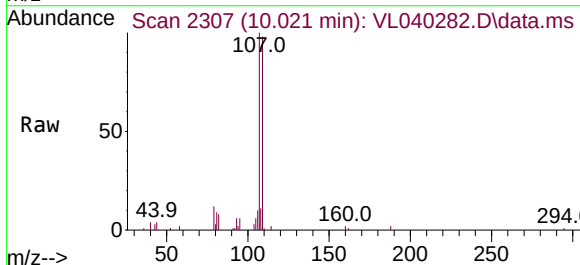
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

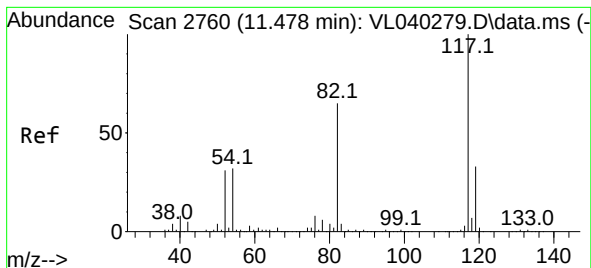
Tgt Ion: 91 Resp: 93705
Ion Ratio Lower Upper
91 100
92 61.7 48.0 72.0



#54
1,2-Dibromoethane
Concen: 0.207 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 107 Resp: 19721
Ion Ratio Lower Upper
107 100
109 88.9 77.0 115.6

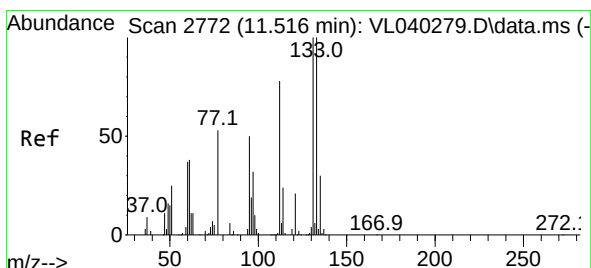
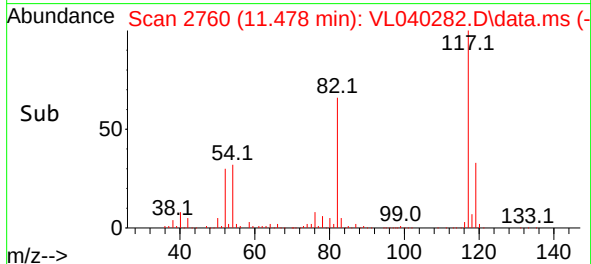
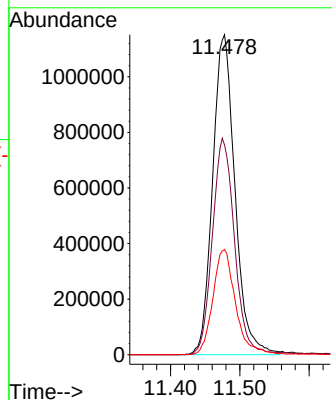
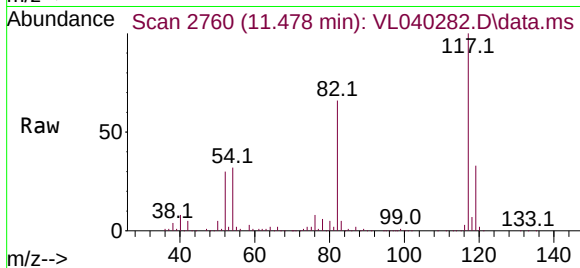




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

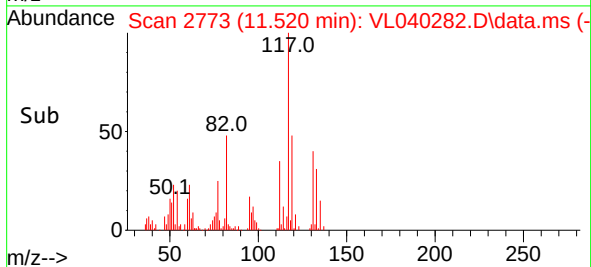
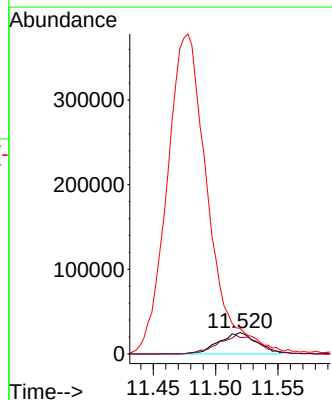
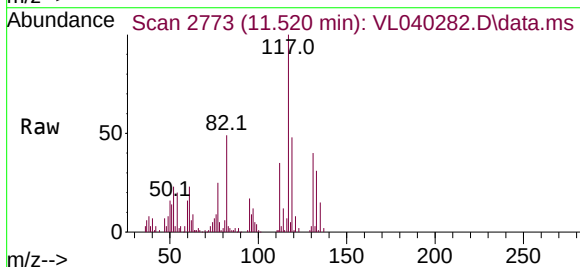
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

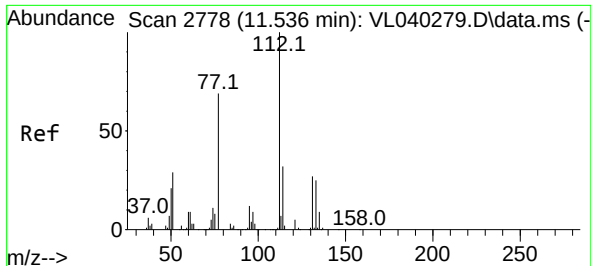
Tgt Ion:117 Resp: 2579491
Ion Ratio Lower Upper
117 100
82 67.9 51.4 77.2
119 33.8 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.493 ppbv
RT: 11.520 min Scan# 2773
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion:131 Resp: 53510
Ion Ratio Lower Upper
131 100
133 94.4 76.5 114.7
119 1623.6 47.9 71.9#

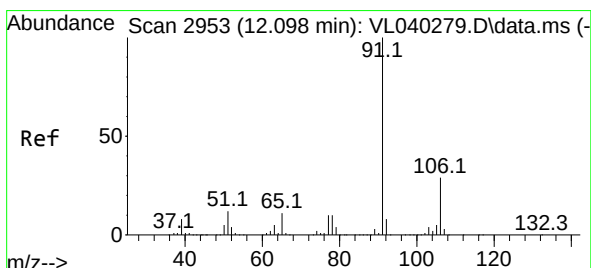
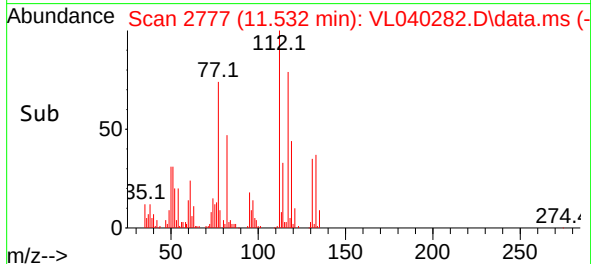
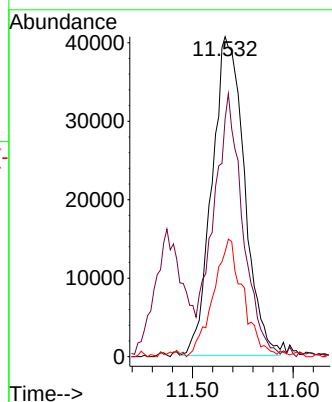
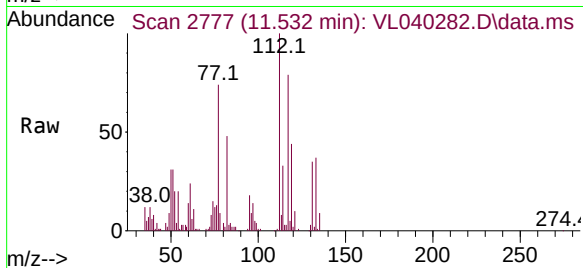




#57
Chlorobenzene
Concen: 0.496 ppbv
RT: 11.532 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

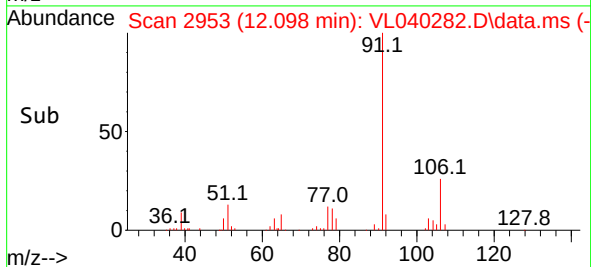
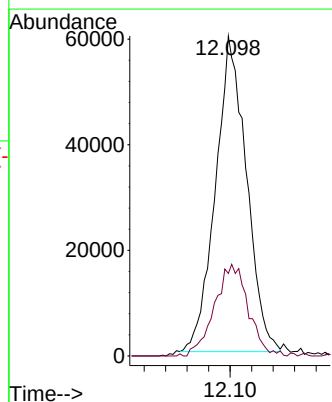
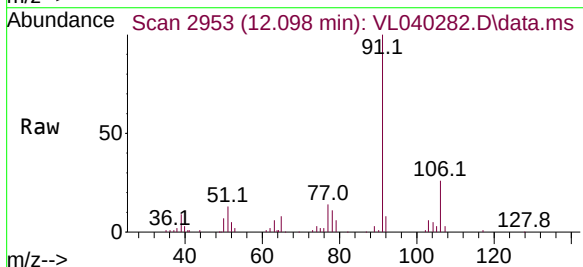
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

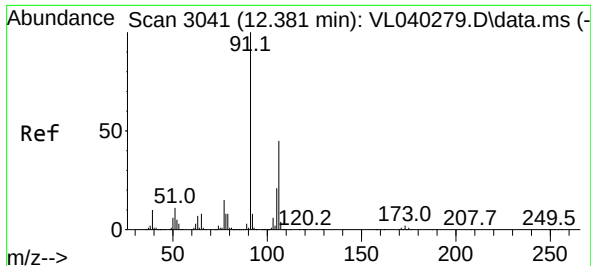
Tgt Ion:112 Resp: 90964
Ion Ratio Lower Upper
112 100
77 73.9 56.2 84.2
114 32.0 29.0 35.4



#58
Ethyl Benzene
Concen: 0.407 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 91 Resp: 119476
Ion Ratio Lower Upper
91 100
106 25.5 23.4 35.2





#59

m/p-Xylene

Concen: 0.402 ppbv

RT: 12.384 min Scan# 3041

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

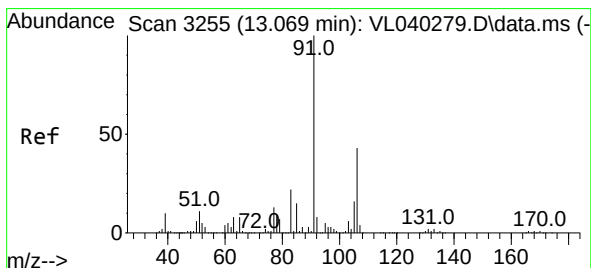
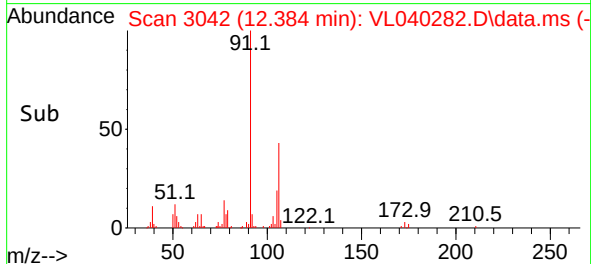
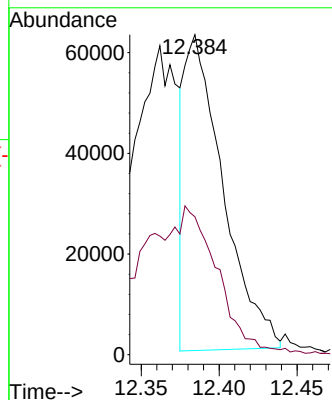
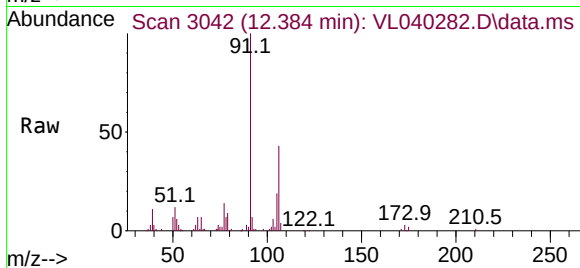
VSTDIC0.5

Tgt Ion: 91 Resp: 108088

Ion Ratio Lower Upper

91 100

106 93.5 34.0 51.0#



#60

o-Xylene

Concen: 0.230 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.003 min

Lab File: VL040282.D

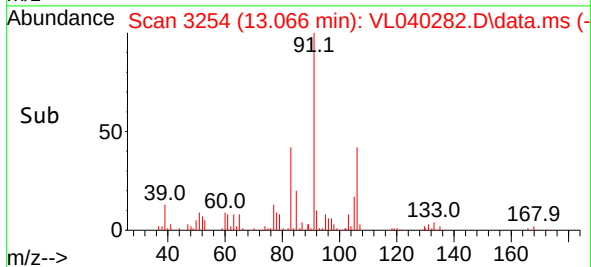
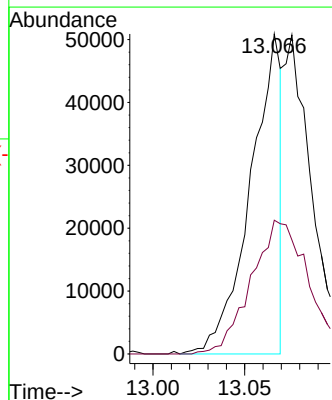
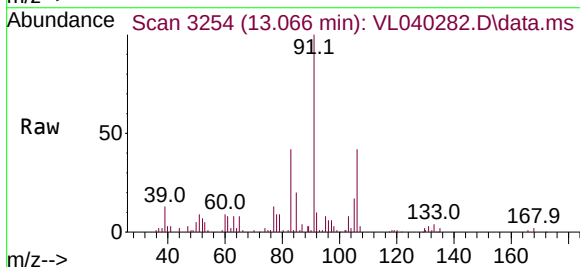
Acq: 15 Mar 2023 13:30

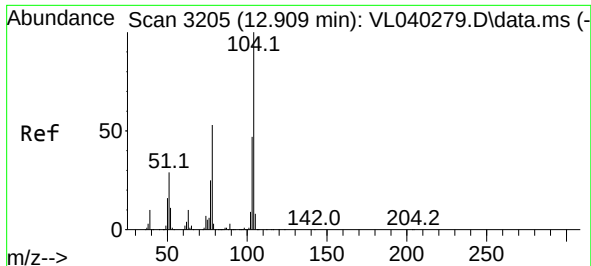
Tgt Ion: 91 Resp: 59094

Ion Ratio Lower Upper

91 100

106 79.6 21.7 65.1#

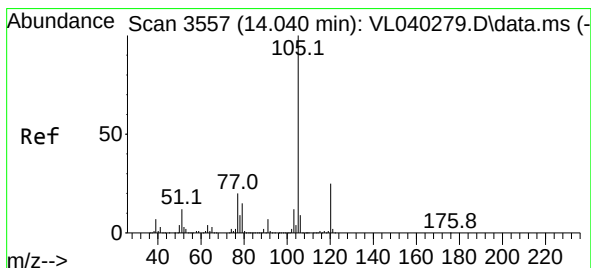
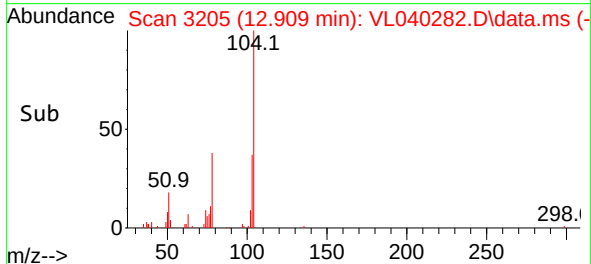
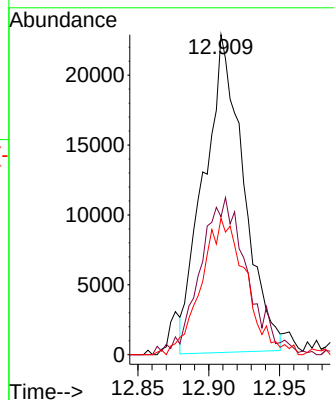
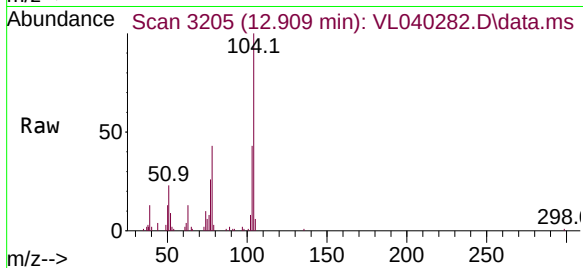




#61
Styrene
Concen: 0.340 ppbv
RT: 12.909 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

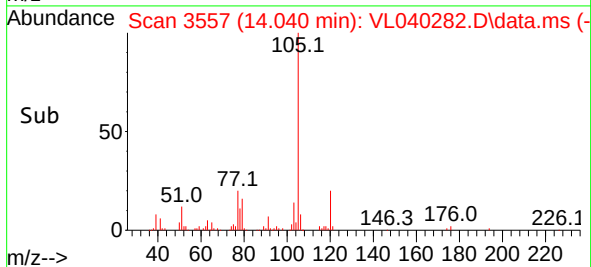
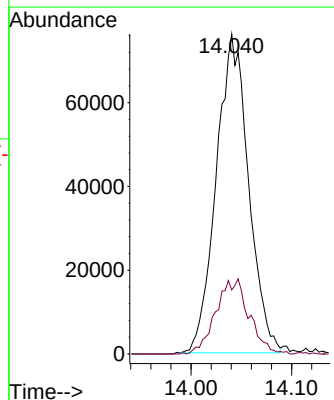
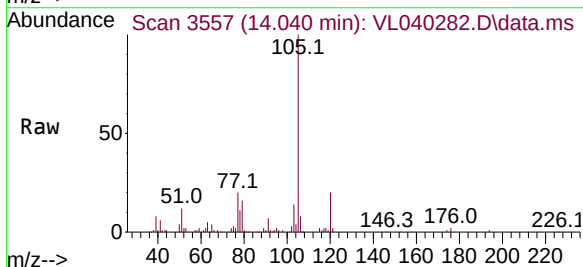
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

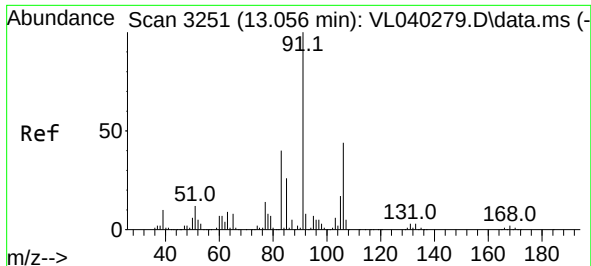
Tgt Ion:104 Resp: 44339
Ion Ratio Lower Upper
104 100
78 59.3 43.7 65.5
103 49.6 37.4 56.2



#62
Isopropylbenzene
Concen: 0.464 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion:105 Resp: 169868
Ion Ratio Lower Upper
105 100
120 24.3 19.9 29.9

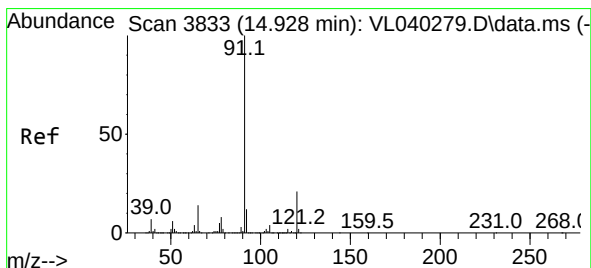
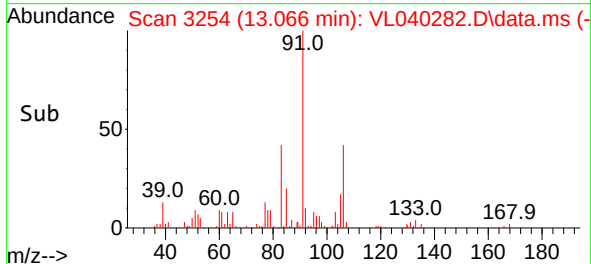
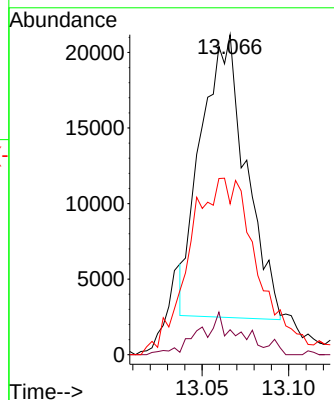
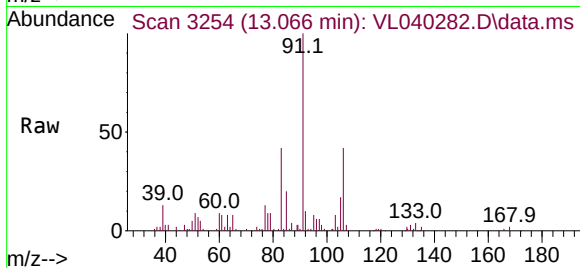




#63
1,1,2,2-Tetrachloroethane
Concen: 0.373 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

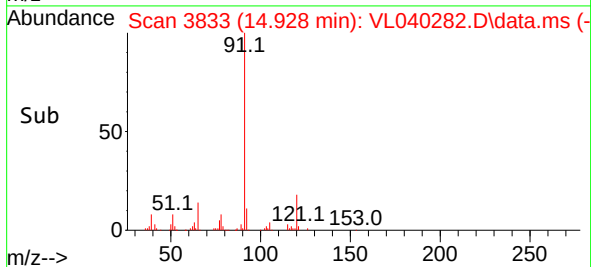
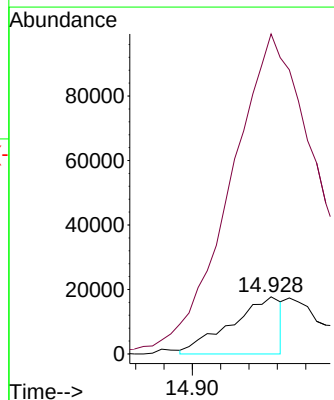
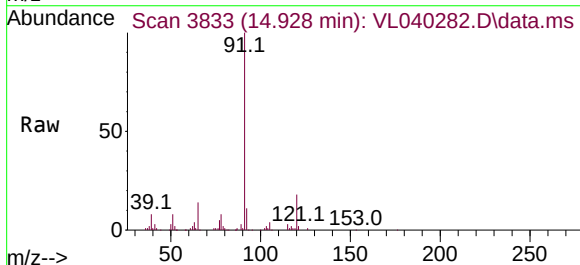
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

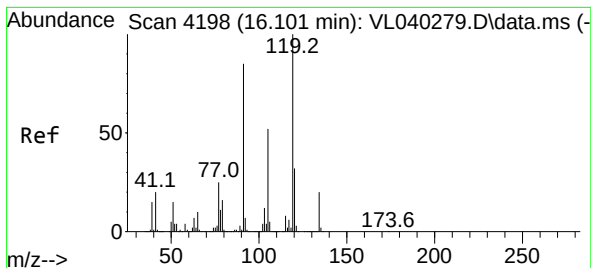
Tgt Ion: 83 Resp: 33803
Ion Ratio Lower Upper
83 100
131 13.8 4.3 12.9#
85 98.1 32.7 98.1



#64
n-propylbenzene
Concen: 0.244 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 120 Resp: 21848
Ion Ratio Lower Upper
120 100
91 1035.3 399.0 598.6#





#65

tert-Butylbenzene

Concen: 0.453 ppbv

RT: 16.105 min Scan# 4198

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

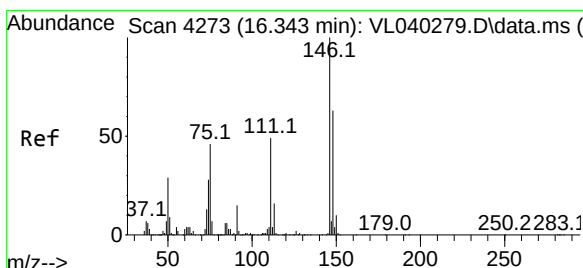
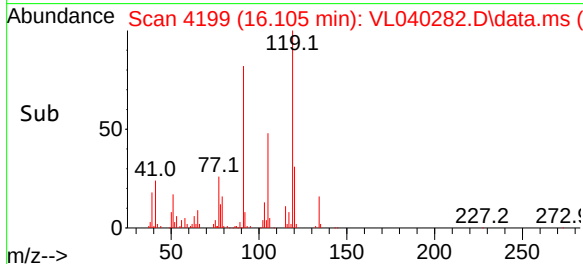
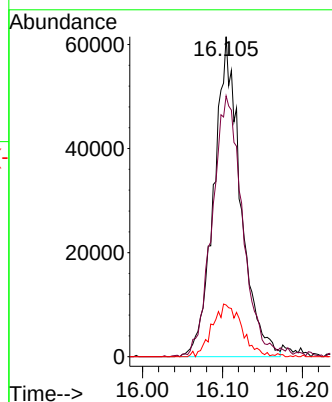
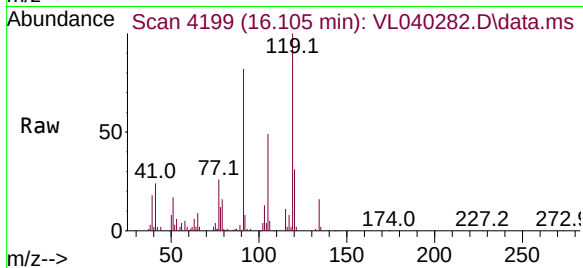
Tgt Ion:119 Resp: 142957

Ion Ratio Lower Upper

119 100

91 93.3 69.4 104.2

134 18.4 15.8 23.6



#66

Benzyl Chloride

Concen: 0.136 ppbv

RT: 16.346 min Scan# 4274

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

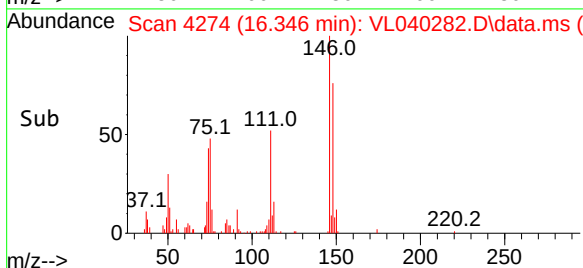
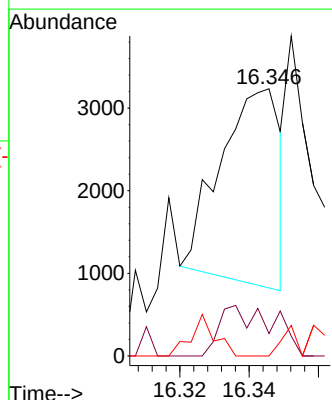
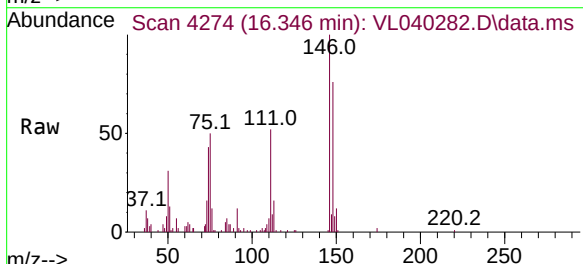
Tgt Ion: 91 Resp: 2790

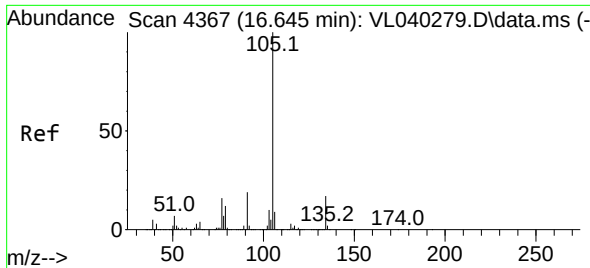
Ion Ratio Lower Upper

91 100

126 23.0 12.1 18.1#

128 20.5 3.8 5.6#

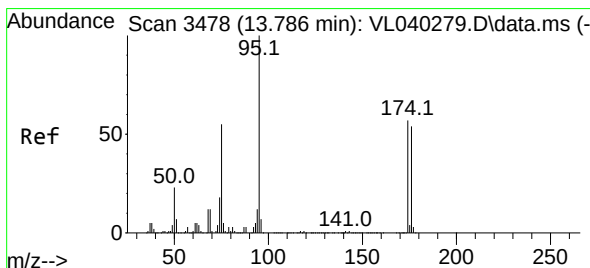
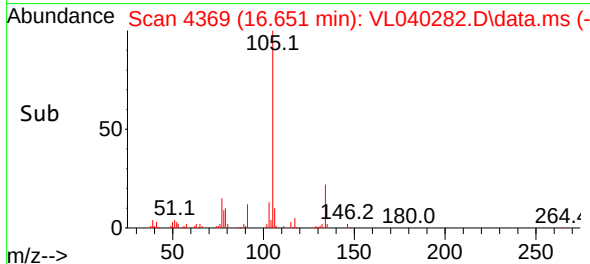
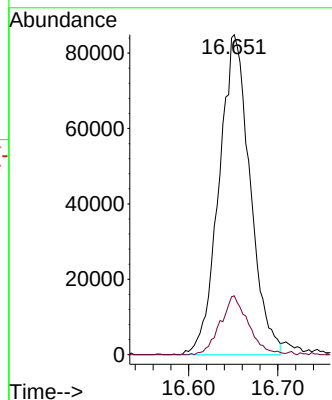
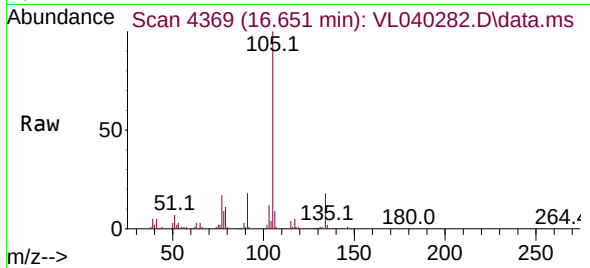




#67
 sec-Butylbenzene
 Concen: 0.455 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

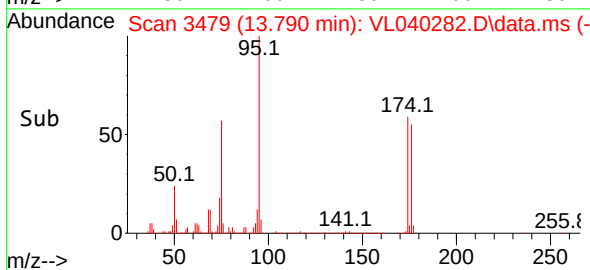
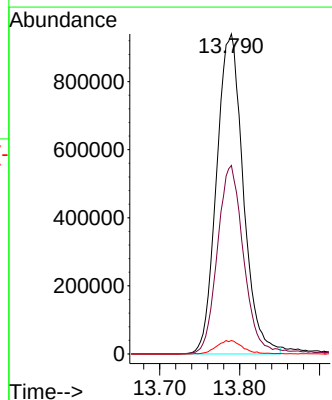
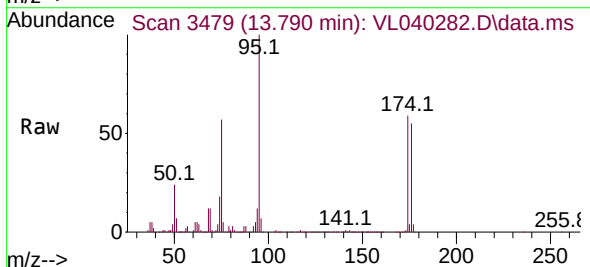
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

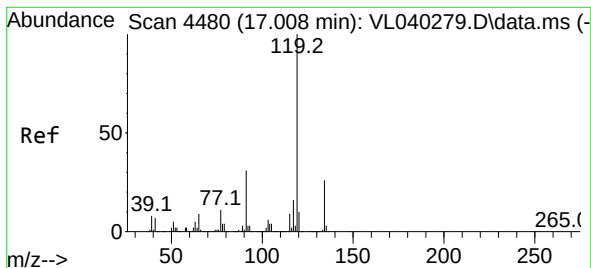
Tgt Ion:105 Resp: 205511
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.070 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. 0.003 min
 Lab File: VL040282.D
 Acq: 15 Mar 2023 13:30

Tgt Ion: 95 Resp: 2175181
 Ion Ratio Lower Upper
 95 100
 174 59.2 47.0 70.6
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.426 ppbv

RT: 17.011 min Scan# 4481

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

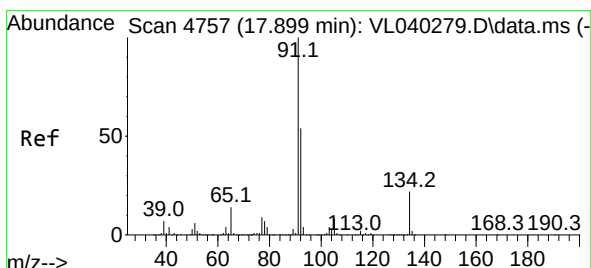
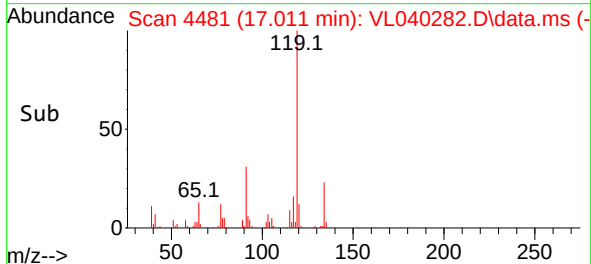
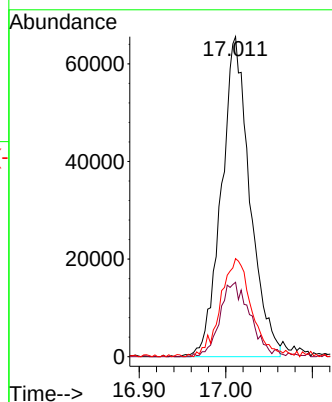
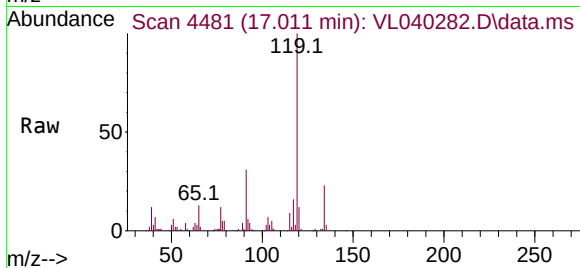
Tgt Ion:119 Resp: 149805

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.2

91 33.8 25.1 37.7



#70

n-Butylbenzene

Concen: 0.441 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.006 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

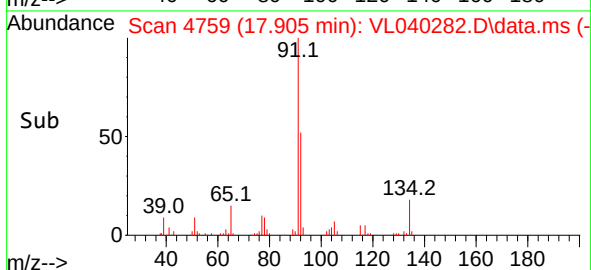
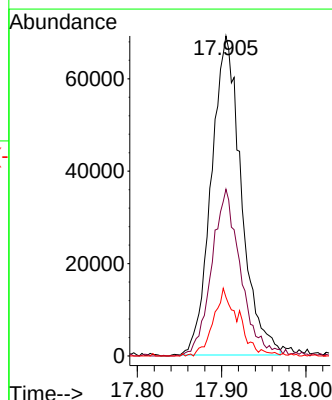
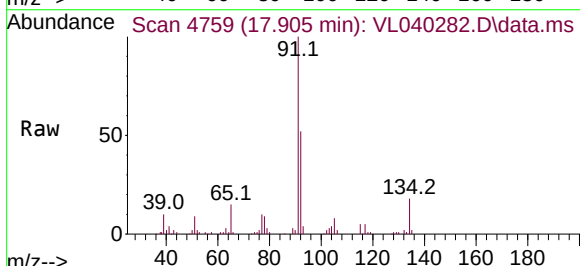
Tgt Ion: 91 Resp: 170885

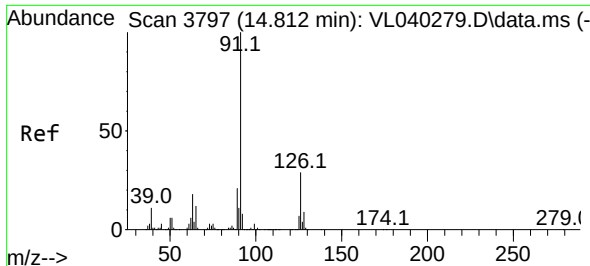
Ion Ratio Lower Upper

91 100

92 51.2 42.9 64.3

134 18.3 16.8 25.2

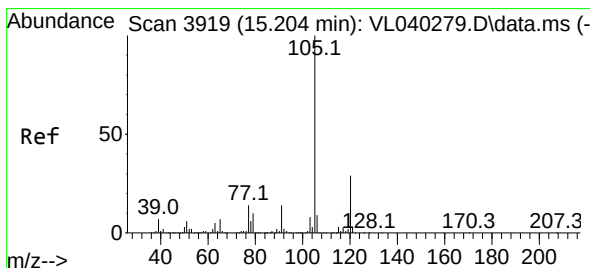
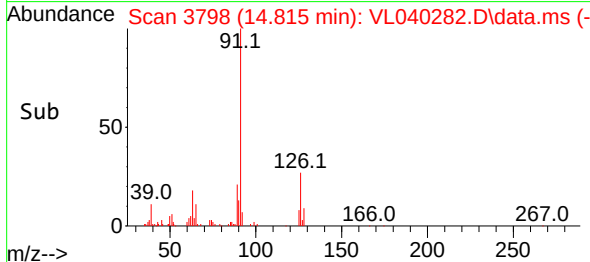
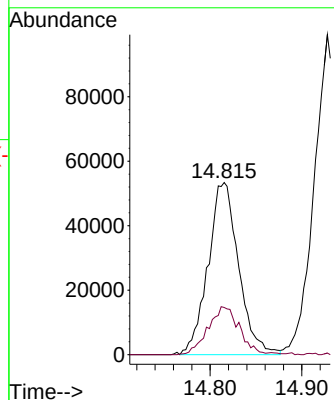
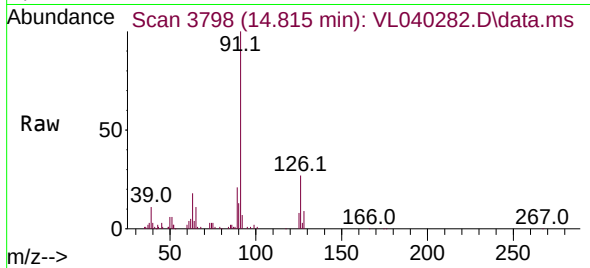




#71
2-Chlorotoluene
Concen: 0.444 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

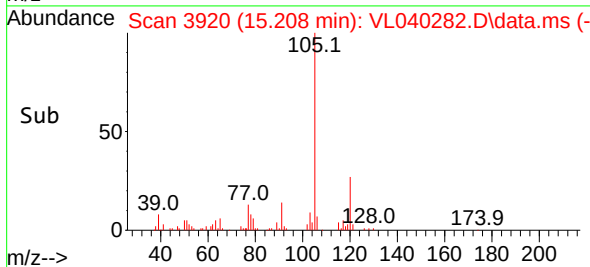
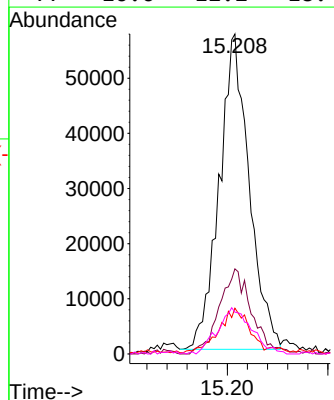
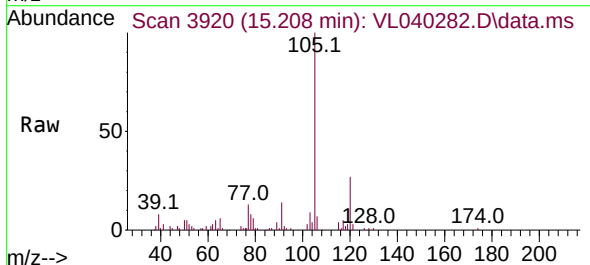
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

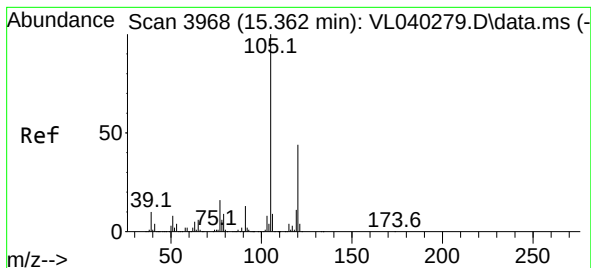
Tgt Ion: 91 Resp: 123740
Ion Ratio Lower Upper
91 100
126 29.1 11.8 47.4



#72
4-Ethyltoluene
Concen: 0.420 ppbv
RT: 15.208 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion: 105 Resp: 118145
Ion Ratio Lower Upper
105 100
120 29.4 23.7 35.5
91 16.1 11.6 17.4
77 16.6 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.287 ppbv

RT: 15.365 min Scan# 3969

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

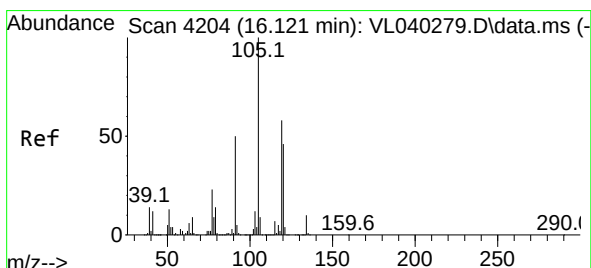
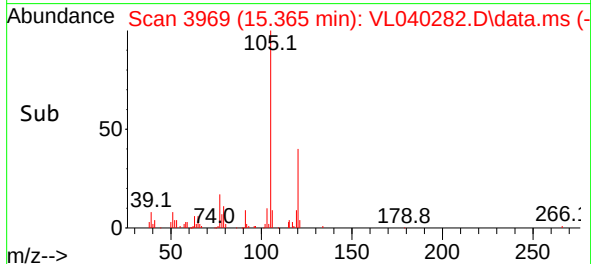
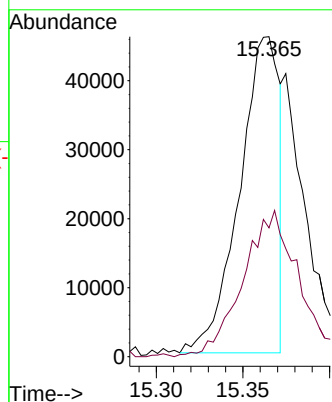
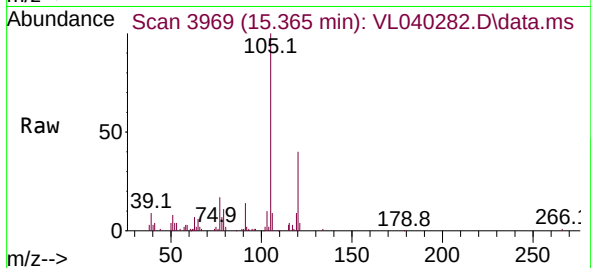
VSTDIC0.5

Tgt Ion:105 Resp: 73227

Ion Ratio Lower Upper

105 100

120 40.1 34.9 52.3



#74

1,2,4-Trimethylbenzene

Concen: 0.454 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Tgt Ion:105 Resp: 131793

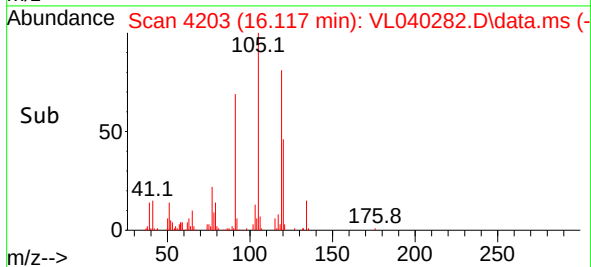
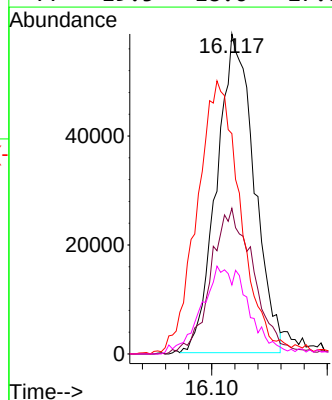
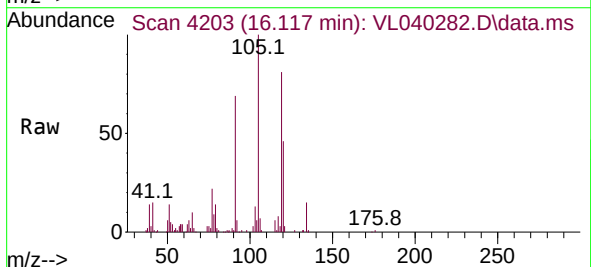
Ion Ratio Lower Upper

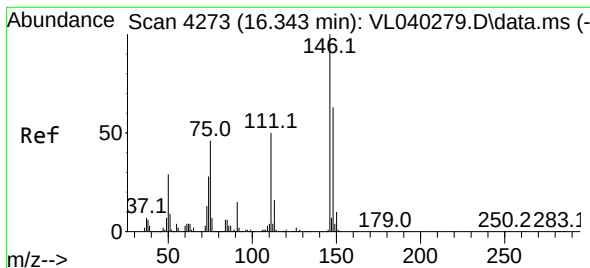
105 100

120 46.1 36.6 54.8

91 64.7 39.9 59.9#

77 19.5 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 0.247 ppbv

RT: 16.343 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

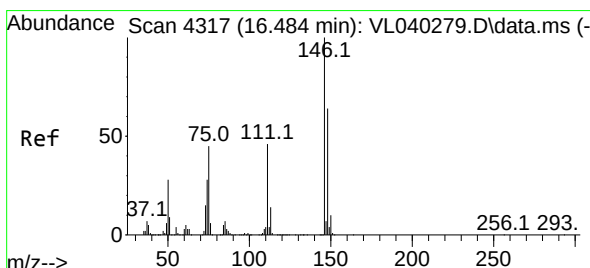
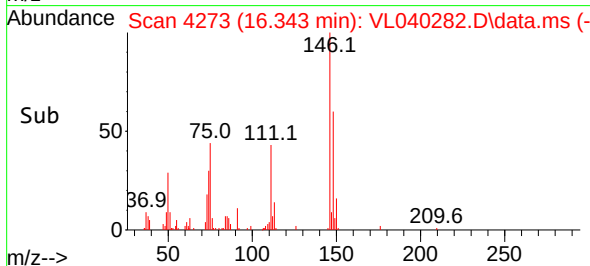
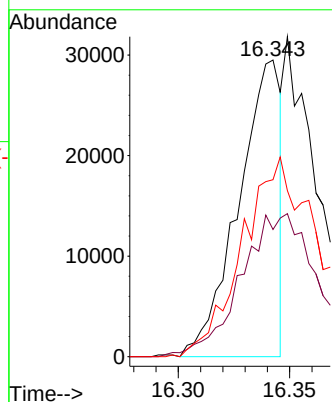
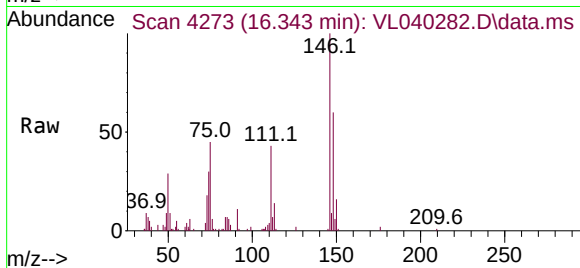
Tgt Ion:146 Resp: 38908

Ion Ratio Lower Upper

146 100

111 0.0 24.3 73.0#

148 0.0 31.9 95.5#



#76

1,4-Dichlorobenzene

Concen: 0.433 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040282.D

Acq: 15 Mar 2023 13:30

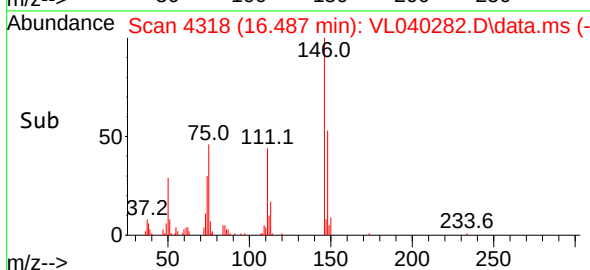
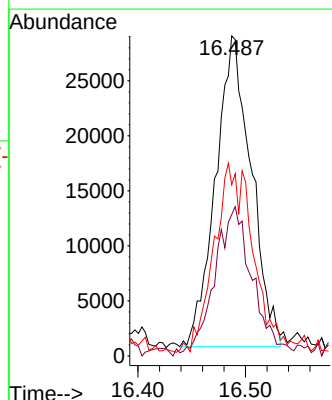
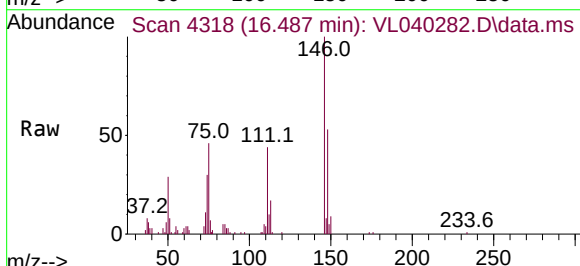
Tgt Ion:146 Resp: 64989

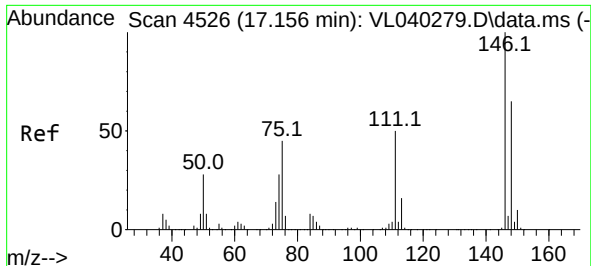
Ion Ratio Lower Upper

146 100

111 54.2 23.8 71.2

148 72.9 32.5 97.5

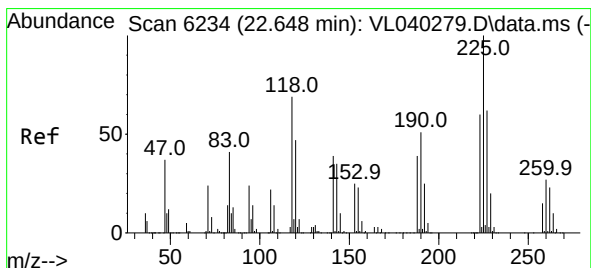
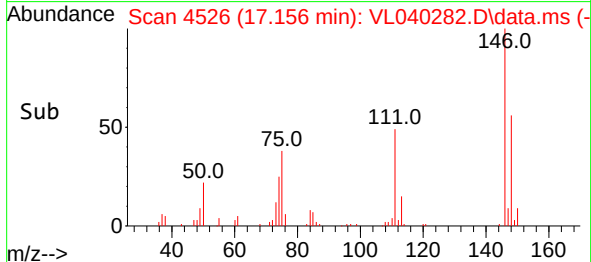
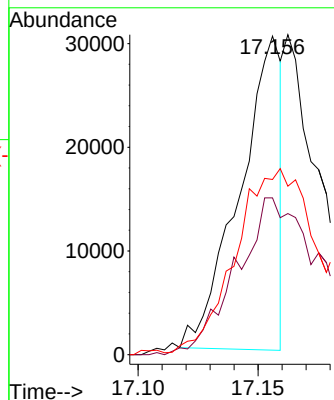
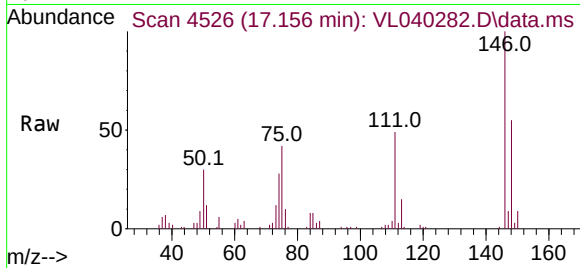




#77
1,2-Dichlorobenzene
Concen: 0.243 ppbv
RT: 17.156 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

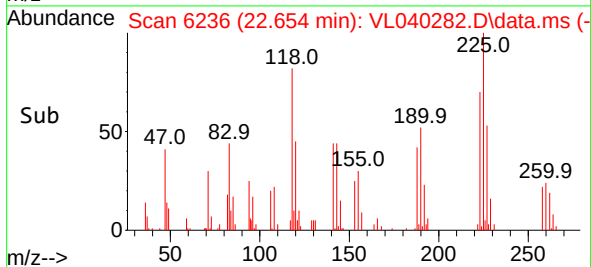
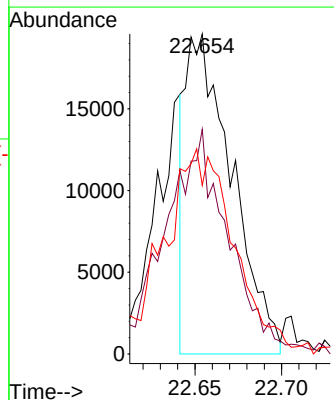
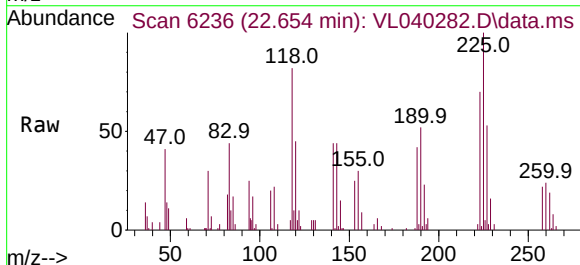
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

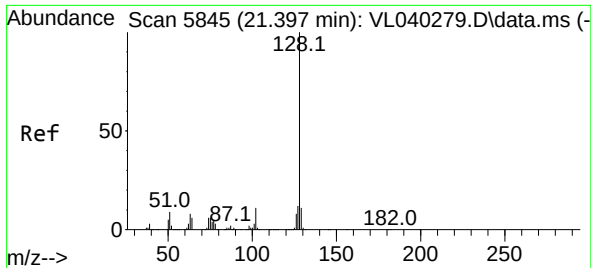
Tgt Ion:146 Resp: 36710
Ion Ratio Lower Upper
146 100
111 106.6 25.2 75.6#
148 0.0 32.1 96.3#



#78
Hexachloro-1,3-Butadiene
Concen: 0.327 ppbv
RT: 22.654 min Scan# 6236
Delta R.T. 0.006 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion:225 Resp: 36298
Ion Ratio Lower Upper
225 100
223 98.7 51.0 76.6#
227 100.5 51.4 77.2#

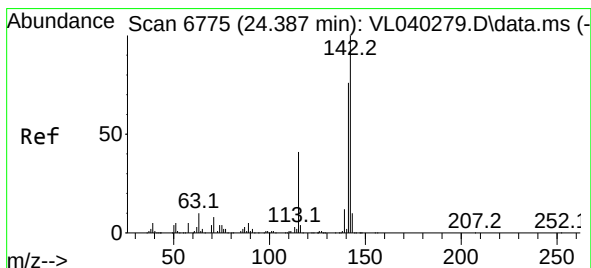
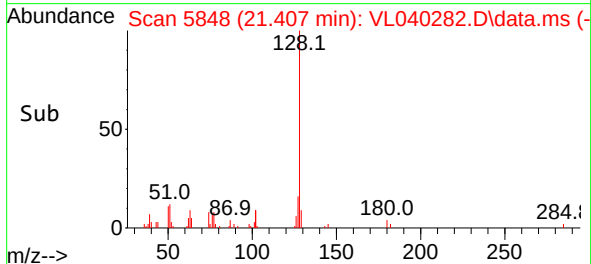
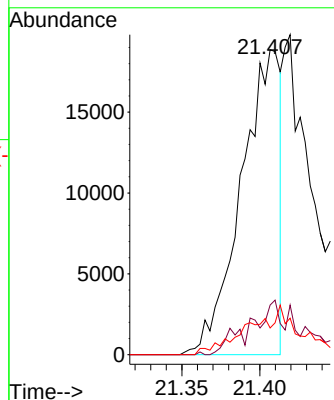
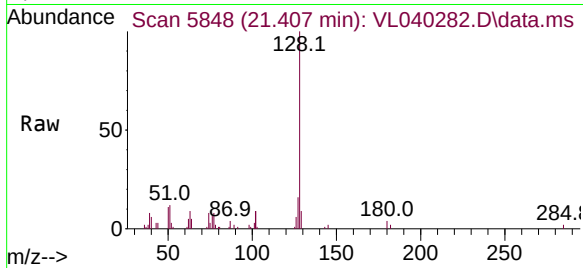




#79
Naphthalene
Concen: 0.191 ppbv
RT: 21.407 min Scan# 5848
Delta R.T. 0.010 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

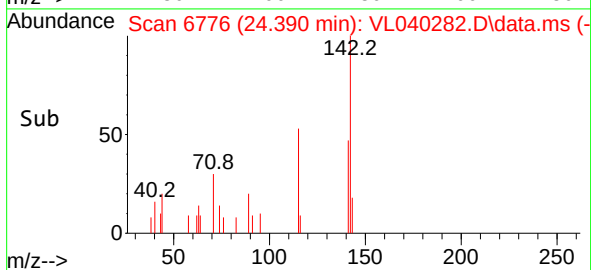
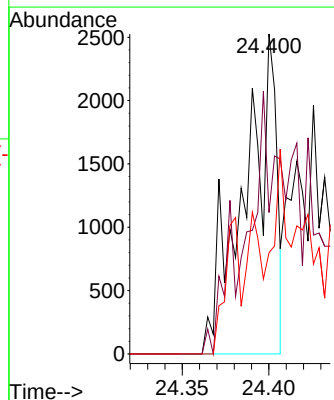
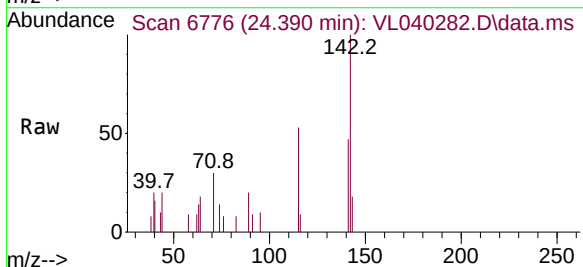
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

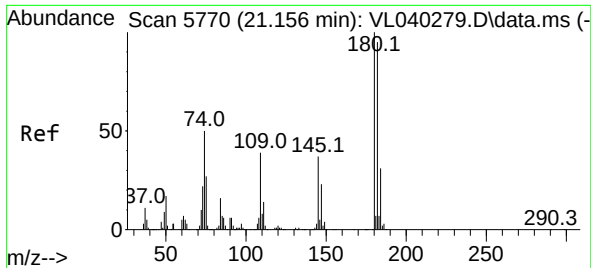
Tgt Ion:128 Resp: 32858
Ion Ratio Lower Upper
128 100
127 16.3 9.6 14.4#
129 8.7 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 0.074 ppbv
RT: 24.390 min Scan# 6776
Delta R.T. 0.003 min
Lab File: VL040282.D
Acq: 15 Mar 2023 13:30

Tgt Ion:142 Resp: 3210
Ion Ratio Lower Upper
142 100
141 140.9 65.5 98.3#
115 131.2 33.5 50.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.178 ppbv

RT: 21.165 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL040282.D

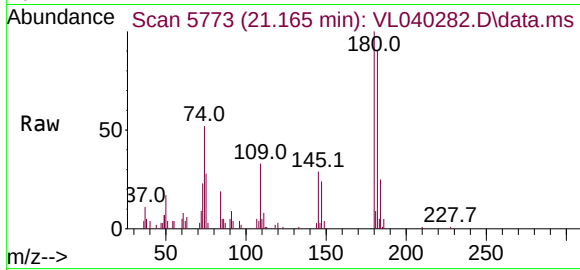
Acq: 15 Mar 2023 13:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 18821

Ion Ratio Lower Upper

180 100

182 215.8 76.1 114.1#

184 65.7 24.4 36.6#

