

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040025.D
 Acq On : 19 Dec 2022 12:43
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Dec 20 04:23:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:20:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	964803	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2821156	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2410030	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1867975	10.147	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	5342	0.030	ppbv	90
3) Chlorodifluoromethane	2.751	51	152	0.001	ppbv	94
4) Chloromethane	2.793	50	1734	0.019	ppbv	99
5) Vinyl Chloride	2.899	62	1072	0.015	ppbv #	42
6) Bromomethane	3.095	94	69	0.003	ppbv #	4
7) Chloroethane	3.182	64	738	0.027	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	4152	0.022	ppbv #	83
9) Propene	2.680	41	3099	0.051	ppbv #	72
10) Heptane	7.561	43	1158	0.008	ppbv #	1
11) Trichlorofluoromethane	3.549	101	4602	0.023	ppbv #	66
12) 1,1,2-Trichlorotrifluo...	4.053	101	2252	0.015	ppbv #	29
13) Ethanol	3.243	45	444	0.087	ppbv #	40
14) Bromoethene	3.346	108	419	0.007	ppbv #	5
15) Acetone	3.481	43	14203	0.095	ppbv #	76
16) 1,3-Butadiene	2.970	39	1413	0.022	ppbv	92
17) tert-Butyl alcohol	3.909	59	1780	0.012	ppbv	95
18) 1,1-Dichloroethene	3.861	96	985	0.015	ppbv #	70
19) Isopropyl Alcohol	3.558	45	156	0.002	ppbv #	94
20) Methylene Chloride	3.915	84	7597	0.120	ppbv #	70
21) Allyl Chloride	3.983	41	467	0.005	ppbv #	12
22) trans-1,2-Dichloroethene	4.433	96	779	0.012	ppbv #	49
23) Vinyl Acetate	4.610	43	465	0.010	ppbv #	19
24) 1,1-Dichloroethane	4.549	63	1326	0.010	ppbv #	90
25) Ethyl Acetate	5.195	43	2999	0.012	ppbv #	74
26) Hexane	5.198	57	2614	0.024	ppbv #	1
27) Carbon Disulfide	4.111	76	948	0.007	ppbv #	1
28) Methyl tert-Butyl Ether	4.571	73	188	0.001	ppbv #	52
29) Chloroform	5.256	83	2850	0.017	ppbv	97
30) Cyclohexane	6.590	84	595	0.006	ppbv #	1
31) cis-1,2-Dichloroethene	5.060	61	726	0.007	ppbv #	50
32) 1,1,1-Trichloroethane	5.986	97	1454	0.008	ppbv #	22
34) 2-Butanone	4.774	43	217	0.001	ppbv #	53
35) Carbon Tetrachloride	6.478	117	1840	0.010	ppbv	88
36) Benzene	6.356	78	3016	0.012	ppbv #	36
37) 1,2-Dichloroethane	5.793	62	1955	0.013	ppbv #	81
38) Trichloroethene	7.272	130	2420	0.019	ppbv #	64
39) 1,2-Dichloropropane	6.632	63	700725	7.420	ppbv #	22
40) 1,4-Dioxane	7.243	88	67	0.002	ppbv #	1
41) Tetrahydrofuran	5.565	42	161	0.002	ppbv #	35
42) Bromodichloromethane	7.230	83	1475	0.007	ppbv #	21
43) Methyl Methacrylate	7.458	69	424	0.004	ppbv #	1
44) 2,2,4-Trimethylpentane	7.307	57	1960	0.005	ppbv #	42
45) t-1,3-Dichloropropene	8.693	75	419	0.005	ppbv #	43

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Quant Time: Dec 20 04:23:50 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:20:10 2022
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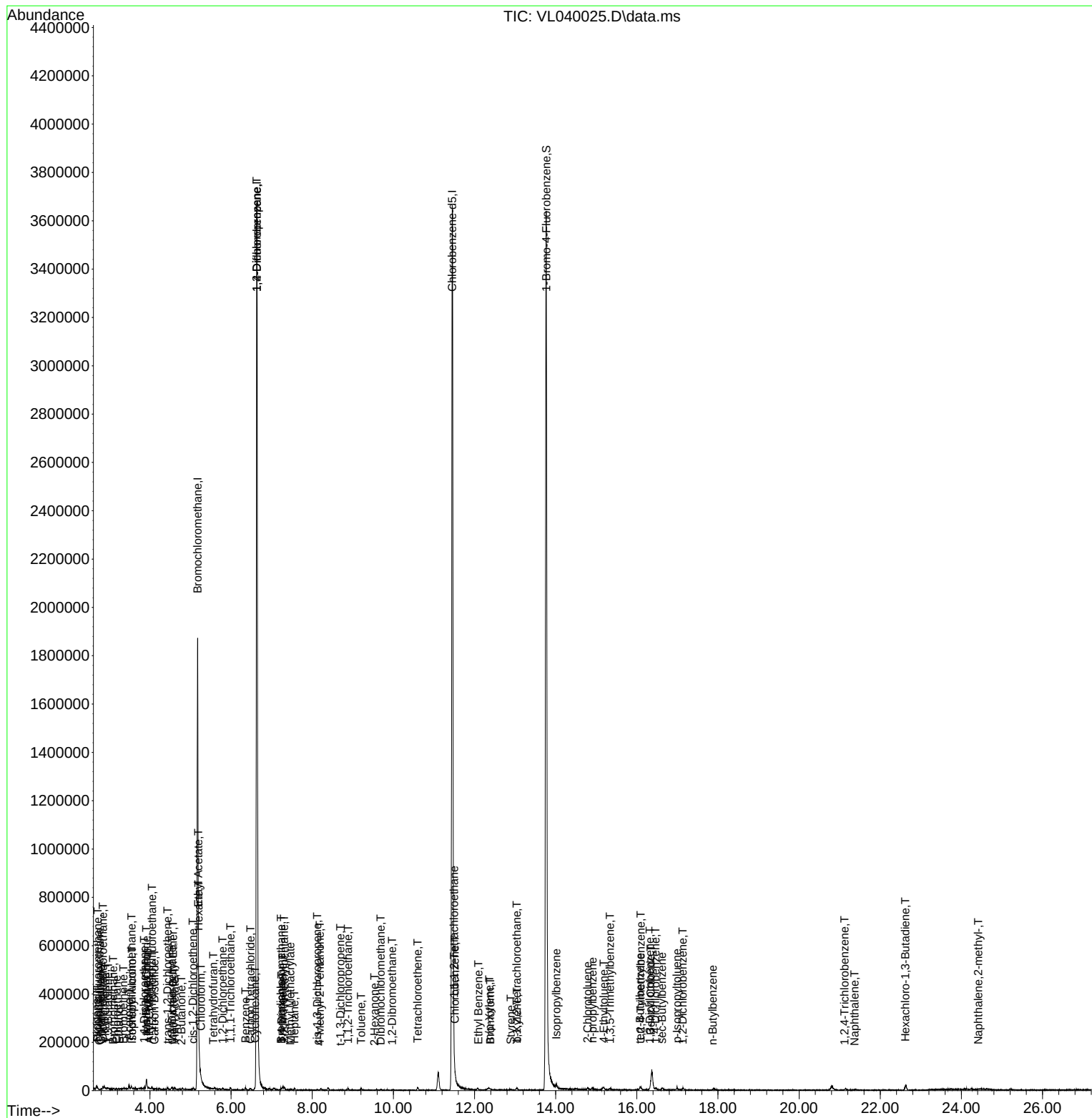
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	746	0.007	ppbv #	64
47) 1,1,2-Trichloroethane	8.883	97	354	0.003	ppbv #	33
48) Dibromochloromethane	9.690	129	552	0.004	ppbv #	10
49) Bromoform	12.391	173	803	0.007	ppbv #	86
50) 4-Methyl-2-Pentanone	8.188	43	503	0.002	ppbv #	39
51) 2-Hexanone	9.536	43	76	0.000	ppbv #	28
52) Tetrachloroethene	10.597	164	1216	0.014	ppbv #	28
53) Toluene	9.204	91	2719	0.010	ppbv #	20
54) 1,2-Dibromoethane	9.966	107	57	0.001	ppbv	88
56) 1,1,1,2-Tetrachloroethane	11.497	131	591	0.005	ppbv #	1
57) Chlorobenzene	11.513	112	1359	0.007	ppbv #	38
58) Ethyl Benzene	12.098	91	775	0.002	ppbv	97
59) m/p-Xylene	12.362	91	1008	0.003	ppbv #	1
60) o-Xylene	13.047	91	770	0.003	ppbv #	31
61) Styrene	12.892	104	925	0.006	ppbv #	19
62) Isopropylbenzene	14.018	105	2870	0.007	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.040	83	402	0.004	ppbv #	24
64) n-propylbenzene	14.908	120	318	0.003	ppbv #	1
65) tert-Butylbenzene	16.079	119	1811	0.005	ppbv #	17
66) Benzyl Chloride	16.346	91	102	0.005	ppbv #	69
67) sec-Butylbenzene	16.622	105	3604	0.007	ppbv #	60
69) p-Isopropyltoluene	16.989	119	2150	0.005	ppbv #	7
70) n-Butylbenzene	17.866	91	973	0.002	ppbv #	33
71) 2-Chlorotoluene	14.786	91	4245	0.014	ppbv	76
72) 4-Ethyltoluene	15.185	105	2525	0.008	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.342	105	1468	0.005	ppbv #	36
74) 1,2,4-Trimethylbenzene	16.098	105	590	0.002	ppbv #	67
75) 1,3-Dichlorobenzene	16.317	146	862	0.005	ppbv #	23
76) 1,4-Dichlorobenzene	16.458	146	1340	0.008	ppbv #	1
77) 1,2-Dichlorobenzene	17.133	146	2061	0.012	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.619	225	1337	0.012	ppbv #	100
79) Naphthalene	21.368	128	523	0.003	ppbv #	67
80) Naphthalene,2-methyl-	24.416	142	435	0.008	ppbv #	21
81) 1,2,4-Trichlorobenzene	21.123	180	261	0.002	ppbv #	12

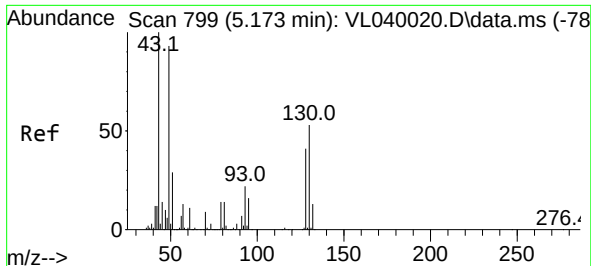
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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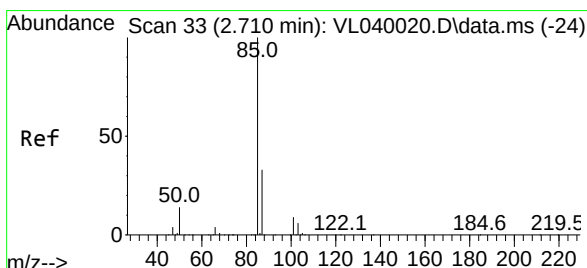
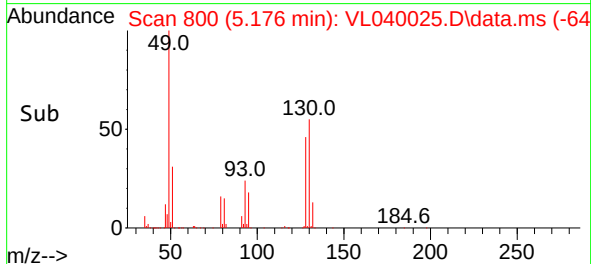
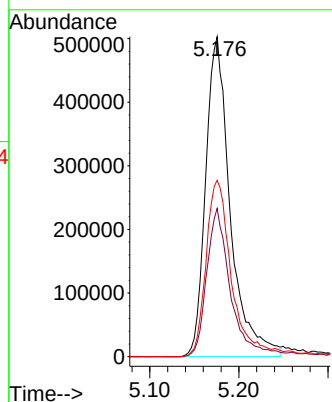
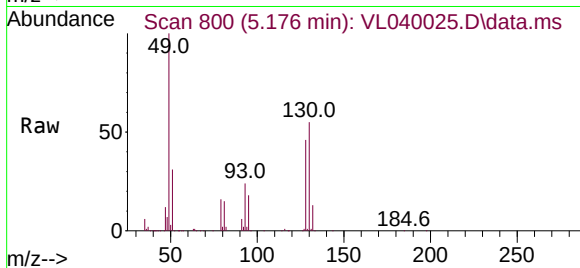




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040025.D
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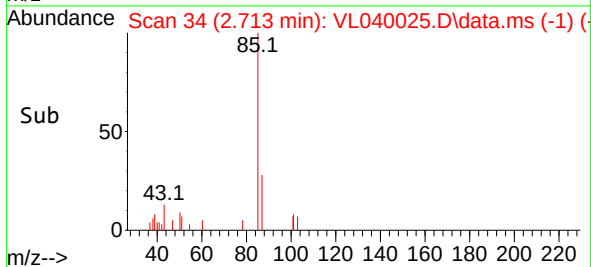
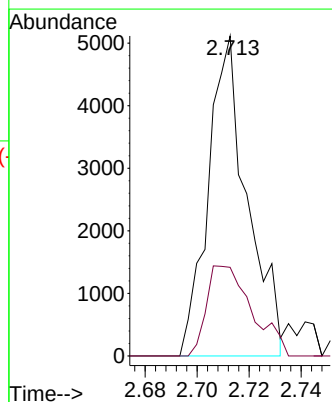
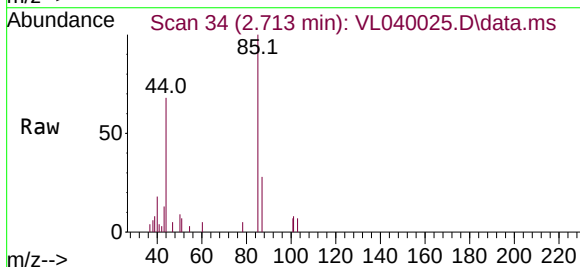
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MSVOA_L
ClientSampleId :
VSTDIC0.03

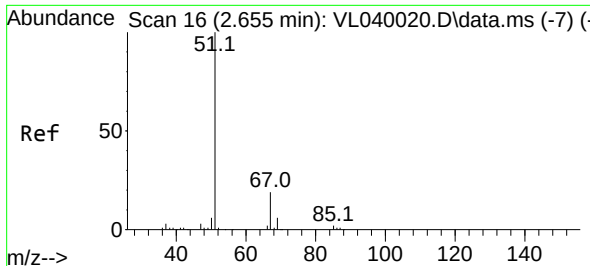
Tgt Ion: 49 Resp: 964803
Ion Ratio Lower Upper
49 100
128 46.9 22.4 67.3
130 60.4 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.030 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 85 Resp: 5342
Ion Ratio Lower Upper
85 100
87 27.7 26.6 40.0

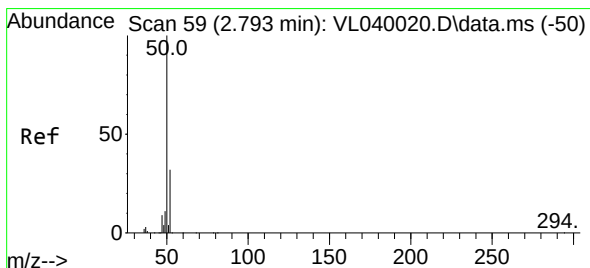
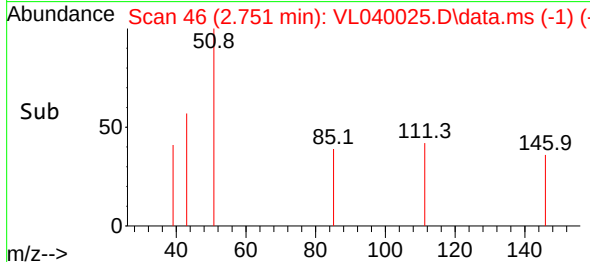
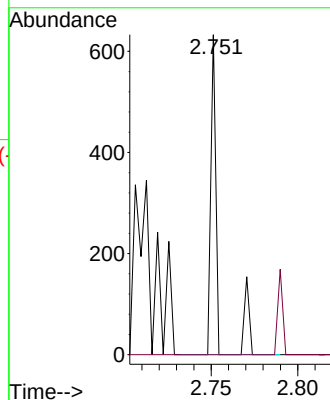
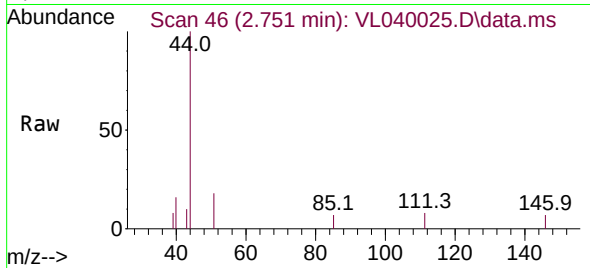




#3
Chlorodifluoromethane
Concen: 0.001 ppbv
RT: 2.751 min Scan# 41
Delta R.T. 0.096 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

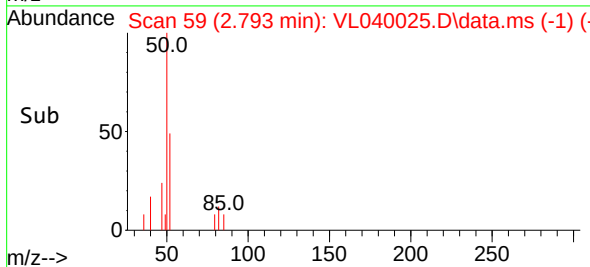
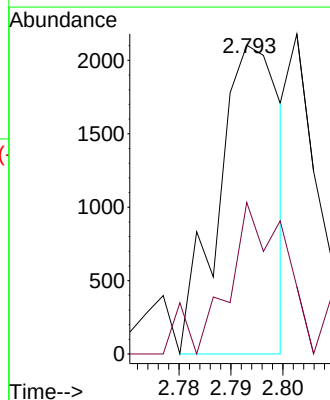
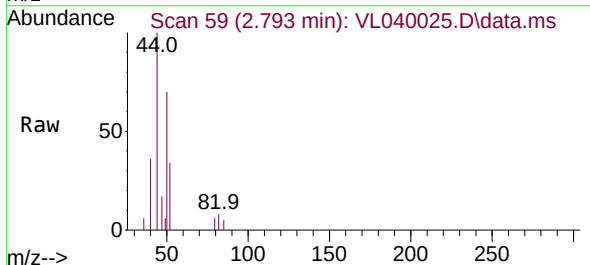
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

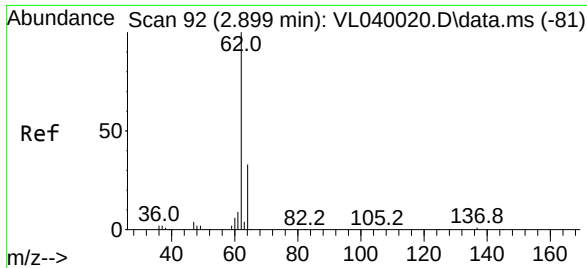
Tgt Ion: 51 Resp: 152
Ion Ratio Lower Upper
51 100
67 21.7 15.3 22.9



#4
Chloromethane
Concen: 0.019 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 50 Resp: 1734
Ion Ratio Lower Upper
50 100
52 32.5 25.5 38.3

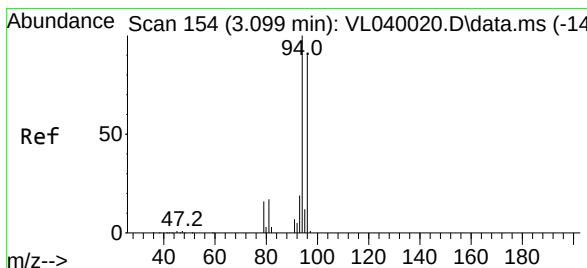
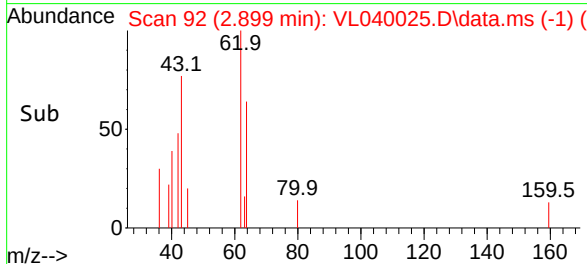
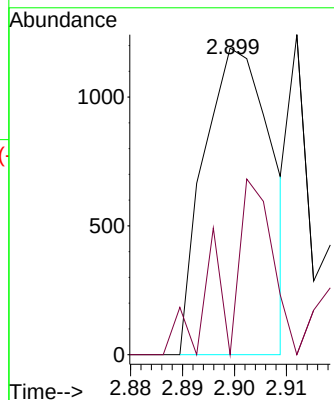
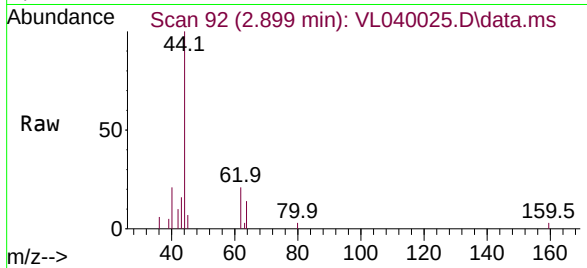




#5
 Vinyl Chloride
 Concen: 0.015 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

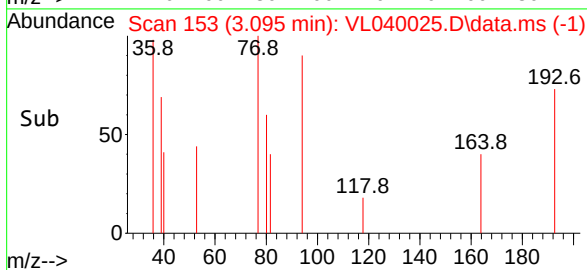
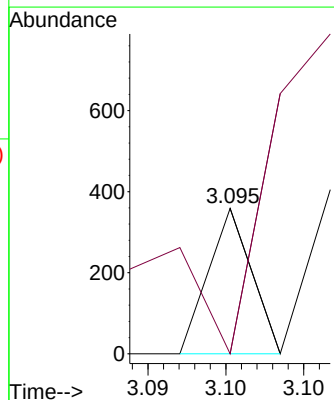
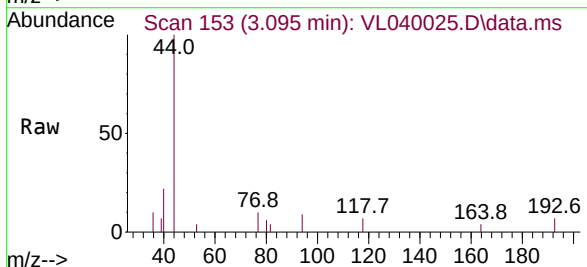
Instrument :
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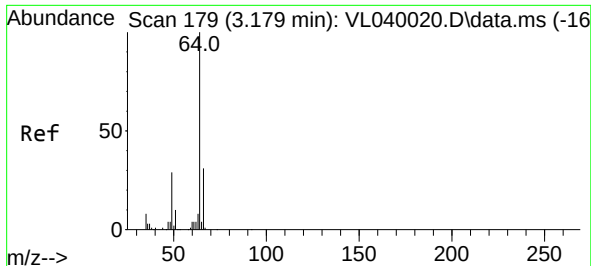
Tgt Ion: 62 Resp: 1072
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#6
 Bromomethane
 Concen: 0.003 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. -0.003 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

Tgt Ion: 94 Resp: 69
 Ion Ratio Lower Upper
 94 100
 96 0.0 72.0 108.0#

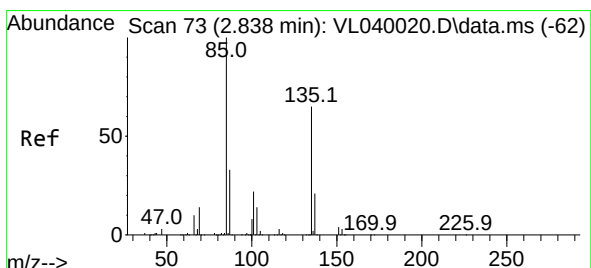
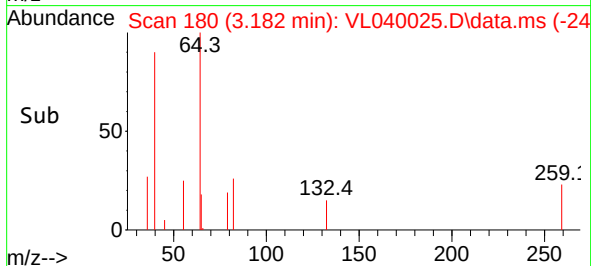
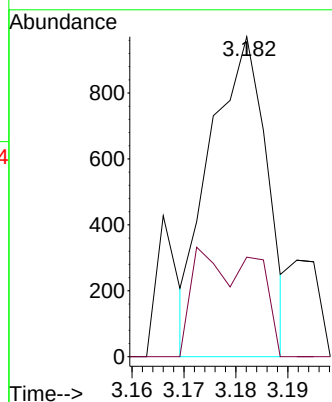
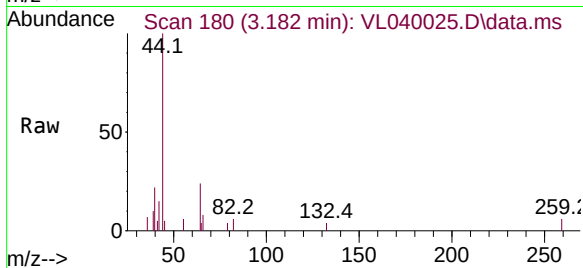




#7
Chloroethane
Concen: 0.027 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

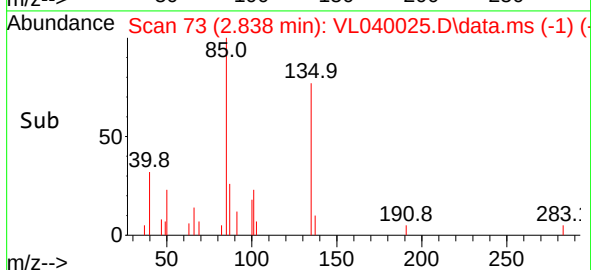
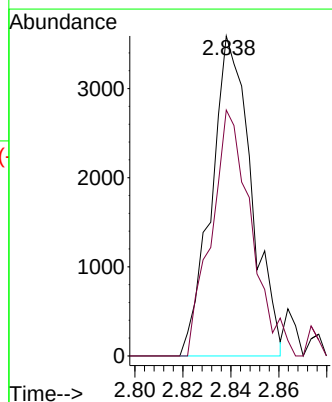
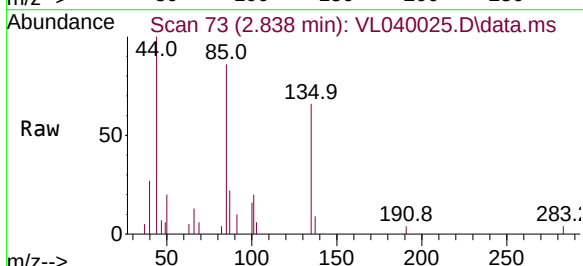
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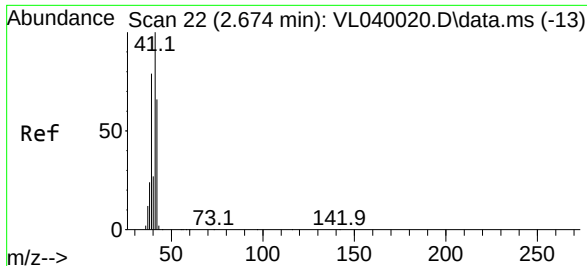
Tgt Ion: 64 Resp: 738
Ion Ratio Lower Upper
64 100
66 31.1 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 0.022 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 85 Resp: 4152
Ion Ratio Lower Upper
85 100
135 79.9 53.2 79.8#





#9

Propene

Concen: 0.051 ppbv

RT: 2.680 min Scan# 24

Delta R.T. 0.006 min

Lab File: VL040025.D

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Instrument :

MSVOA_L

ClientSampleId :

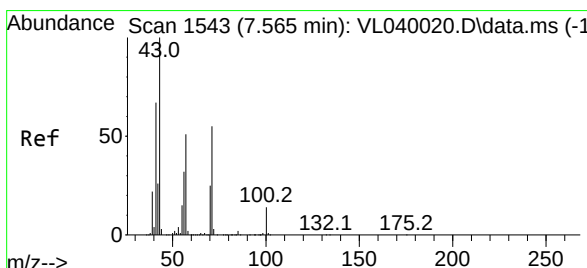
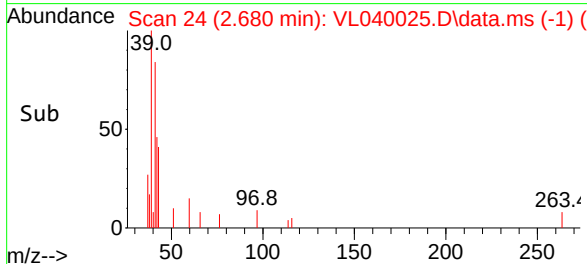
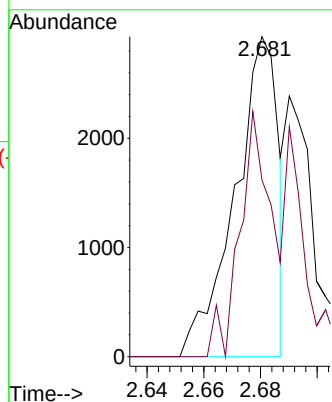
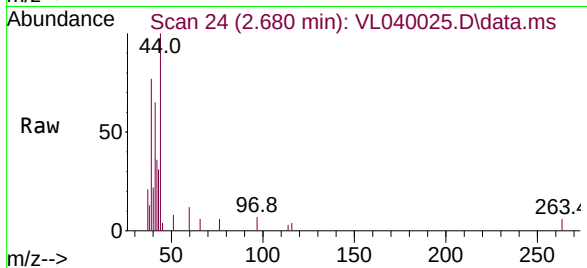
VSTDIC0.03

Tgt Ion: 41 Resp: 3099

Ion Ratio Lower Upper

41 100

42 91.5 54.8 82.2#



#10

Heptane

Concen: 0.008 ppbv

RT: 7.561 min Scan# 1542

Delta R.T. -0.003 min

Lab File: VL040025.D

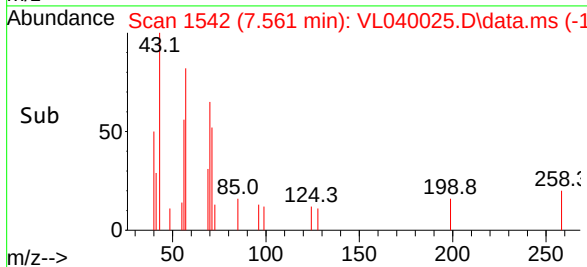
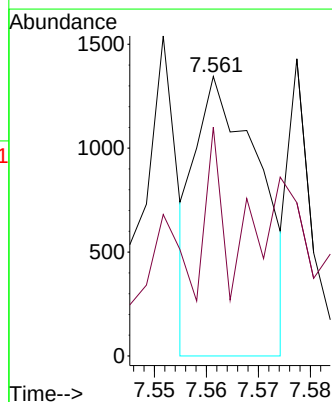
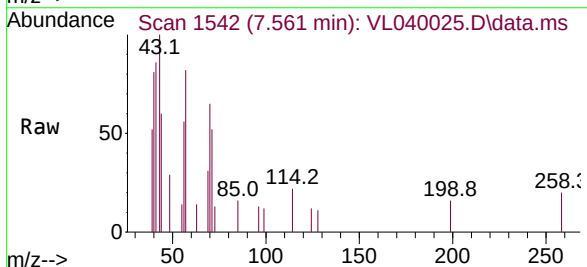
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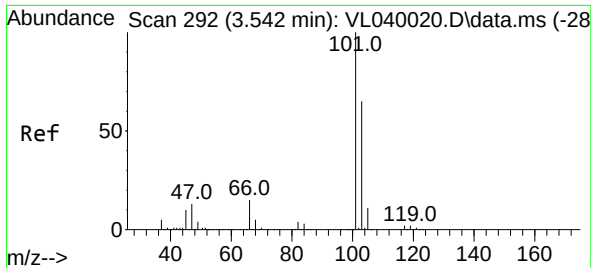
Tgt Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

57 121.0 41.2 61.8#

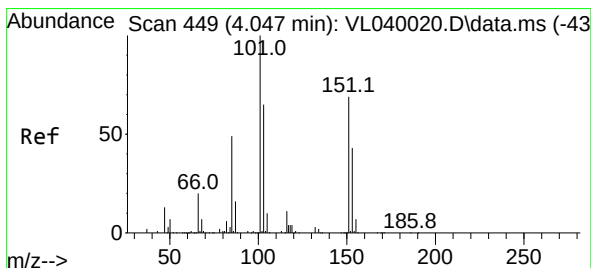
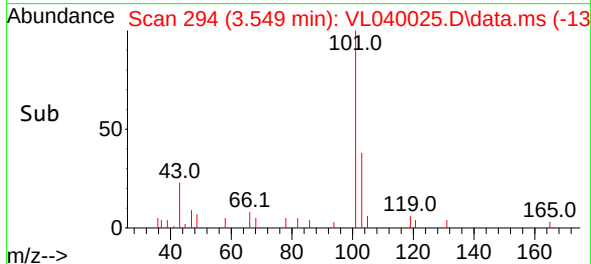
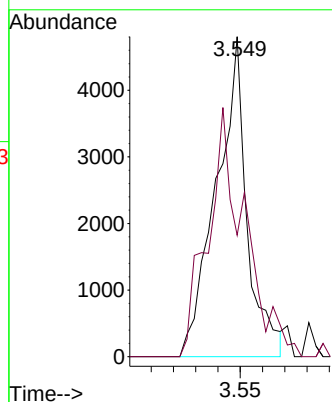
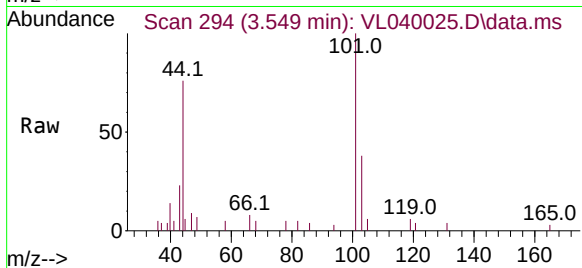




#11
 Trichlorofluoromethane
 Concen: 0.023 ppbv
 RT: 3.549 min Scan# 292
 Delta R.T. 0.006 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

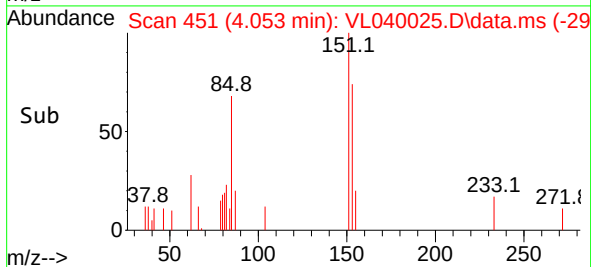
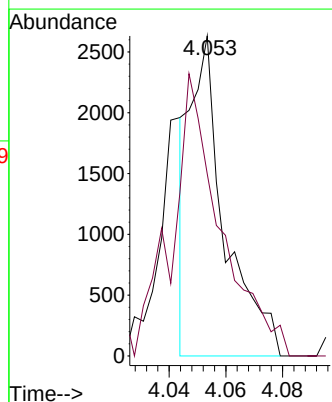
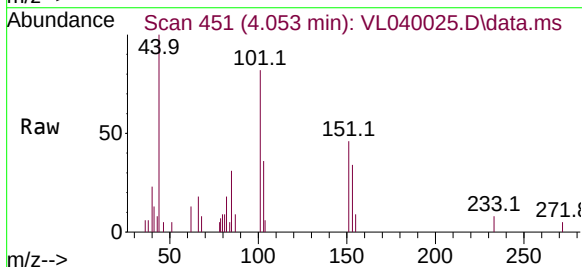
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

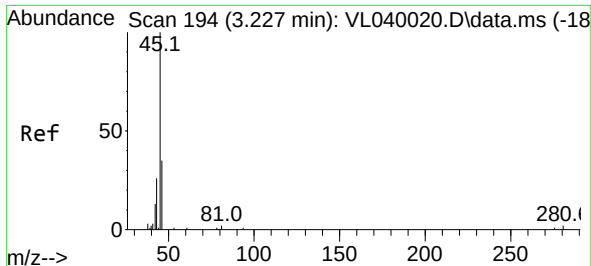
Tgt Ion:101 Resp: 4602
 Ion Ratio Lower Upper
 101 100
 103 38.0 51.7 77.5#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.015 ppbv
 RT: 4.053 min Scan# 451
 Delta R.T. 0.006 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

Tgt Ion:101 Resp: 2252
 Ion Ratio Lower Upper
 101 100
 151 126.1 55.0 82.4#

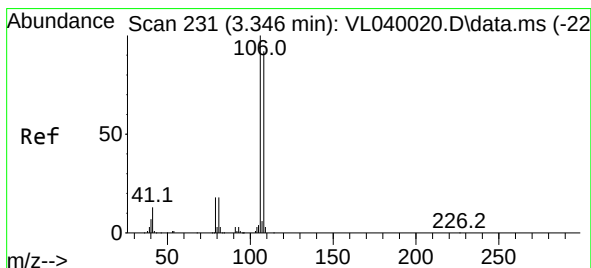
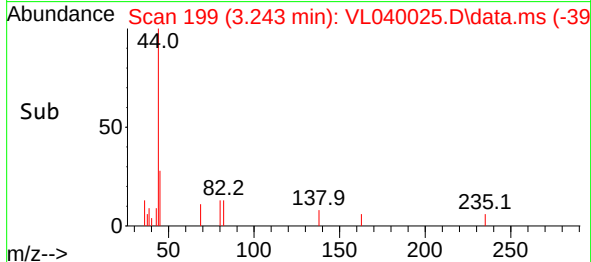
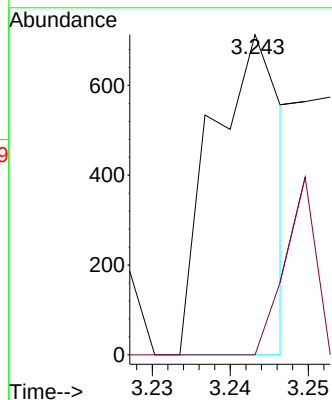
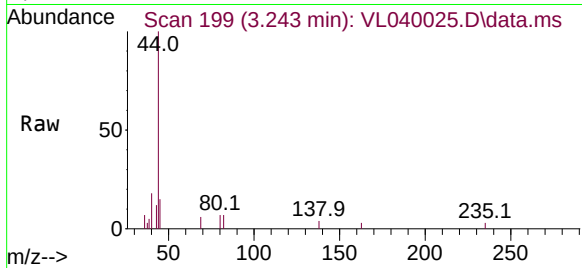




#13
Ethanol
Concen: 0.087 ppbv
RT: 3.243 min Scan# 194
Delta R.T. 0.016 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

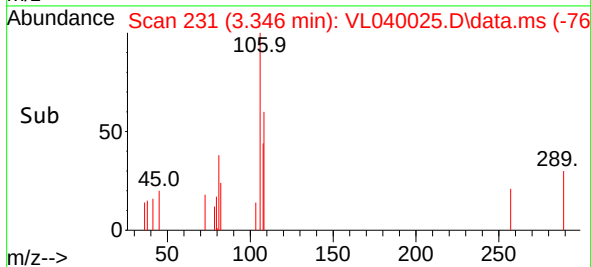
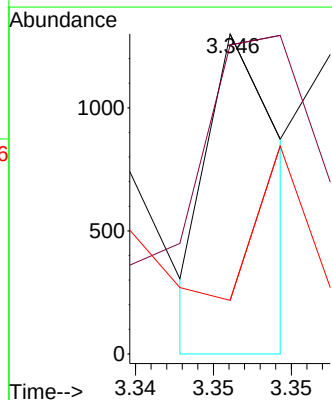
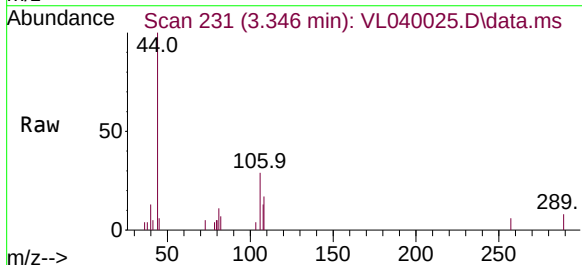
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

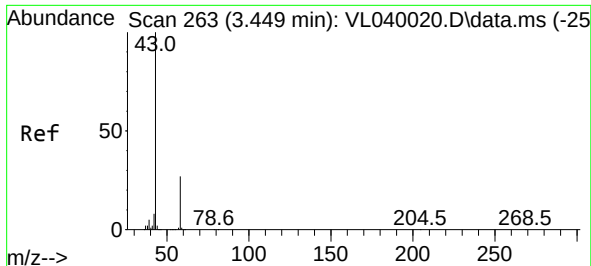
Tgt Ion: 45 Resp: 444
Ion Ratio Lower Upper
45 100
46 0.0 13.7 54.7#



#14
Bromoethene
Concen: 0.007 ppbv
RT: 3.346 min Scan# 231
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 108 Resp: 419
Ion Ratio Lower Upper
108 100
106 0.0 87.5 131.3#
79 0.0 15.8 23.8#





#15

Acetone

Concen: 0.095 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

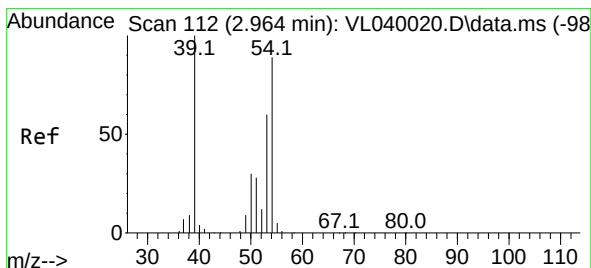
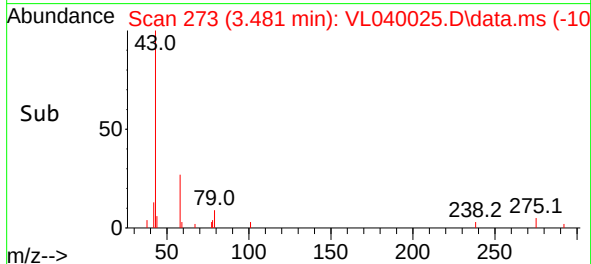
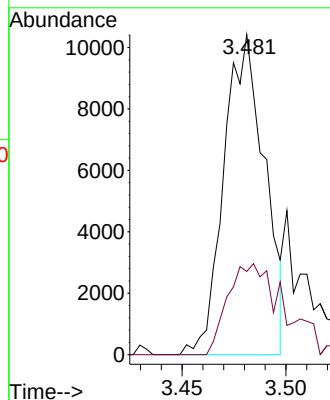
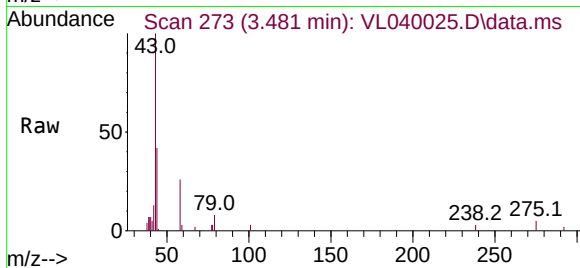
VSTDIC0.03

Tgt Ion: 43 Resp: 14203

Ion Ratio Lower Upper

43 100

58 40.0 21.8 32.8#



#16

1,3-Butadiene

Concen: 0.022 ppbv

RT: 2.970 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040025.D

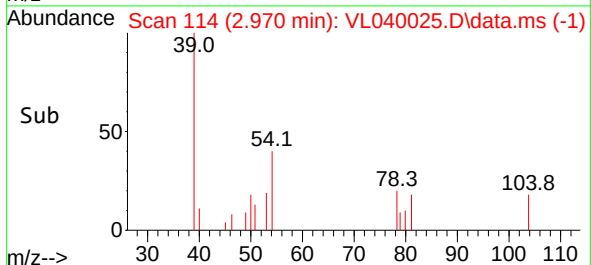
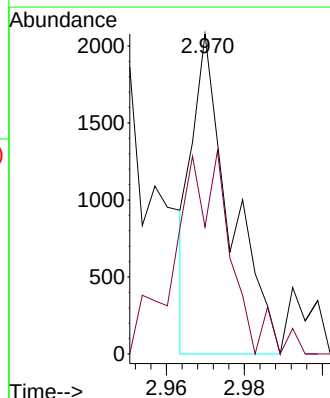
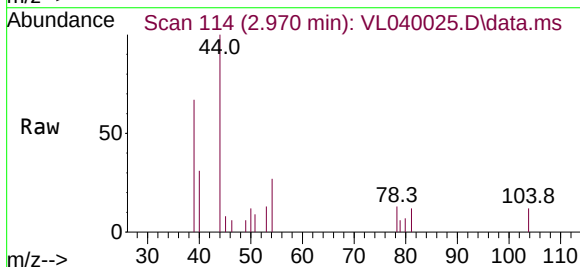
Acq: 19 Dec 2022 12:43

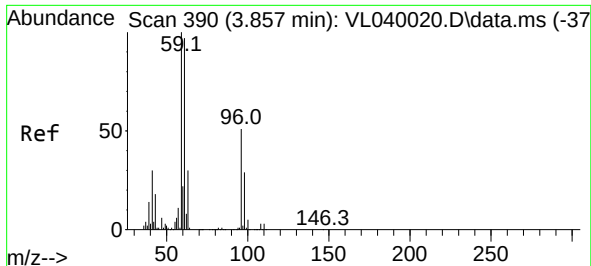
Tgt Ion: 39 Resp: 1413

Ion Ratio Lower Upper

39 100

54 92.4 68.3 102.5





#17

tert-Butyl alcohol

Concen: 0.012 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.051 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

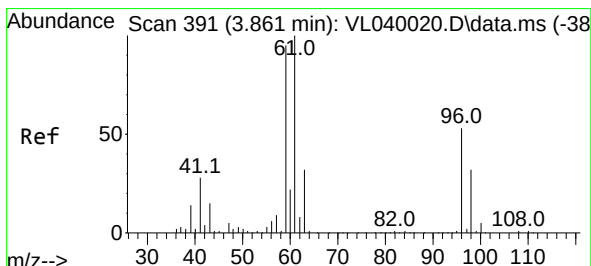
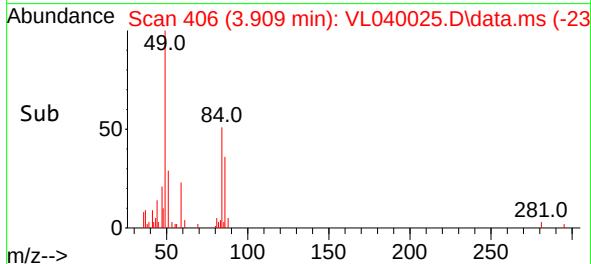
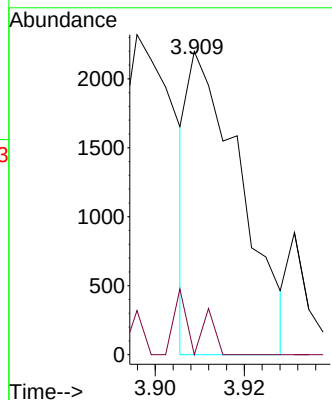
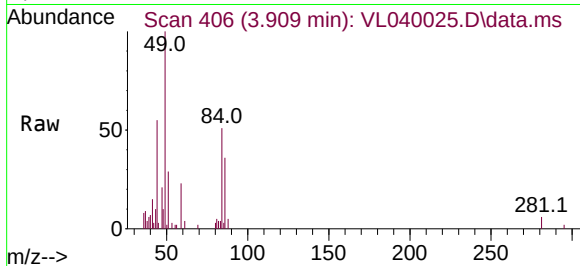
VSTDIC0.03

Tgt Ion: 59 Resp: 1780

Ion Ratio Lower Upper

59 100

57 12.3 8.4 12.6



#18

1,1-Dichloroethene

Concen: 0.015 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

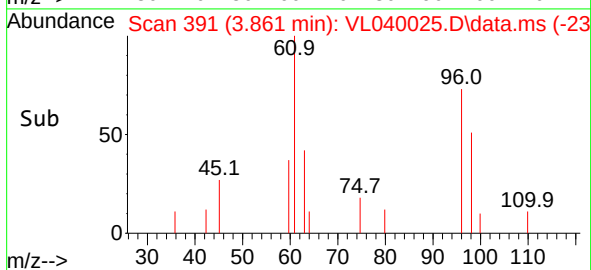
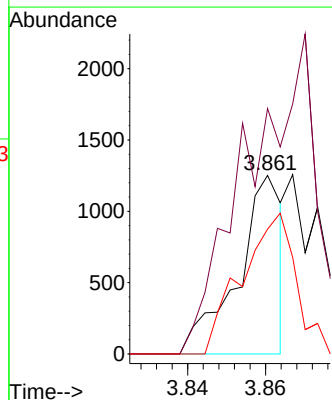
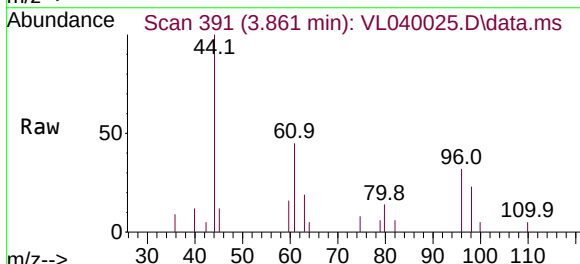
Tgt Ion: 96 Resp: 985

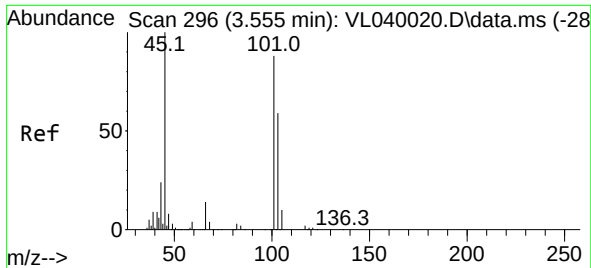
Ion Ratio Lower Upper

96 100

61 137.4 151.0 226.6#

98 69.9 47.7 71.5





#19

Isopropyl Alcohol

Concen: 0.002 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

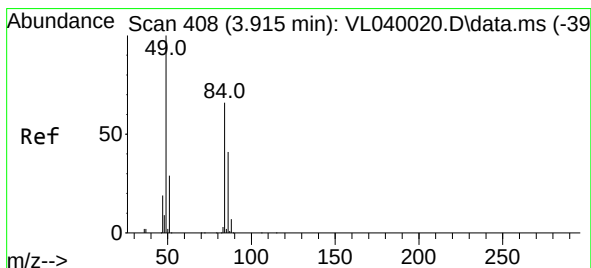
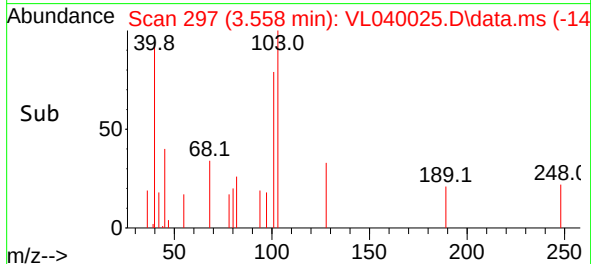
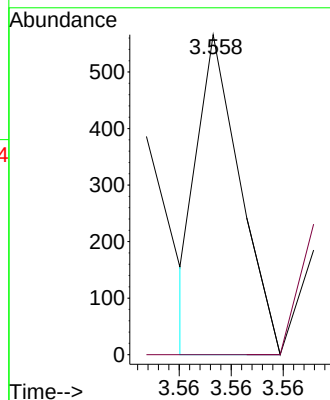
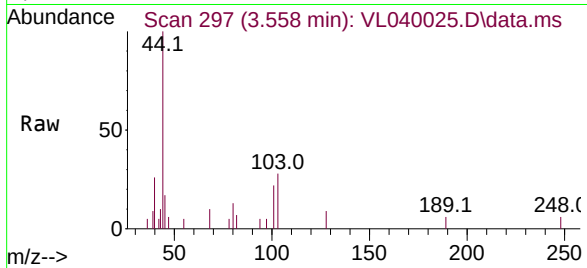
VSTDICC0.03

Tgt Ion: 45 Resp: 156

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.120 ppbv

RT: 3.915 min Scan# 408

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Tgt Ion: 84 Resp: 7597

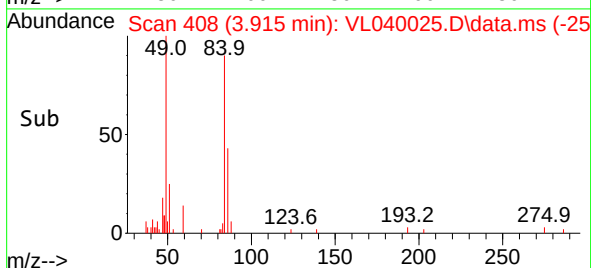
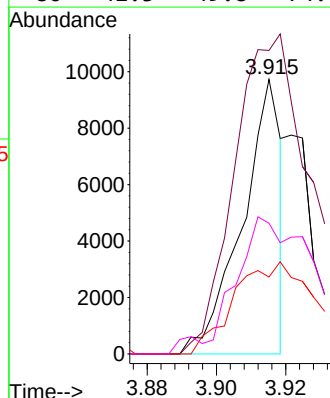
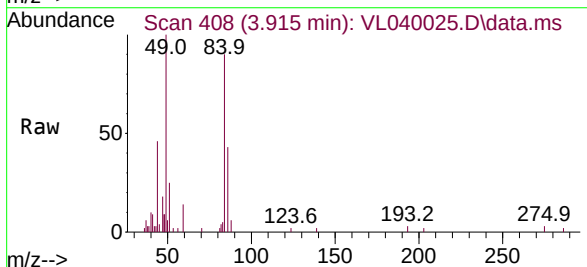
Ion Ratio Lower Upper

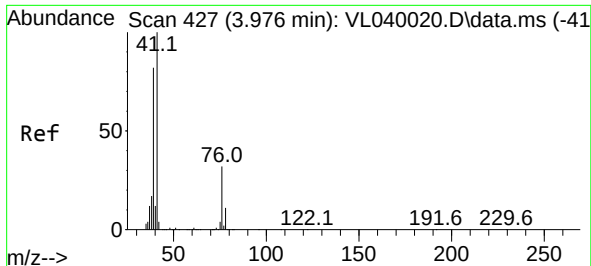
84 100

49 107.2 120.5 180.7#

51 28.1 35.2 52.8#

86 42.3 49.8 74.6#

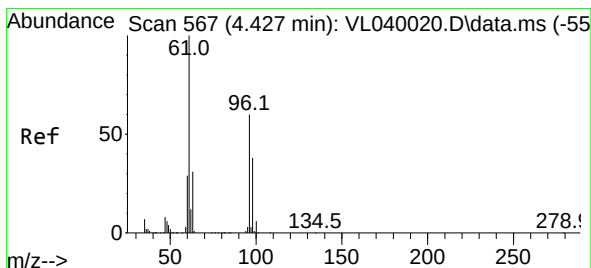
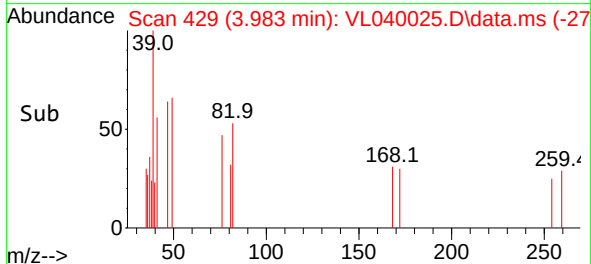
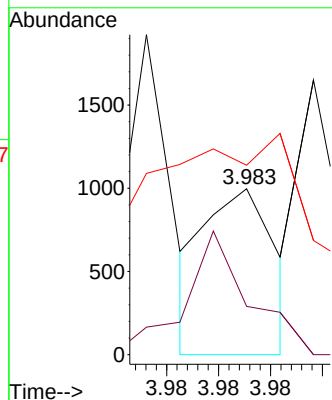
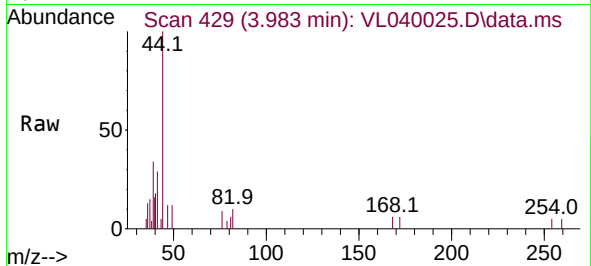




#21
 Allyl Chloride
 Concen: 0.005 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

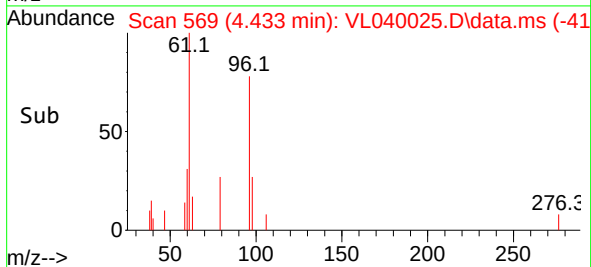
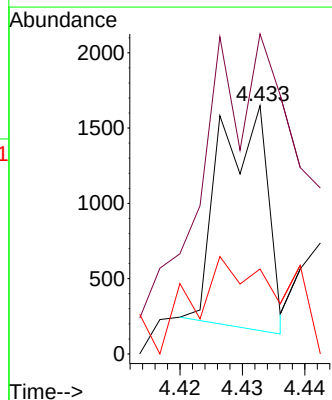
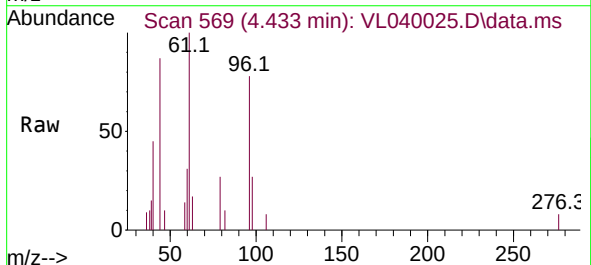
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

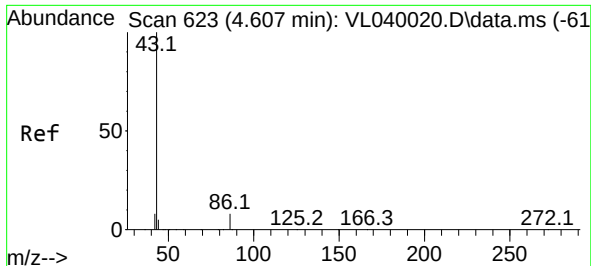
Tgt Ion: 41 Resp: 467
 Ion Ratio Lower Upper
 41 100
 76 76.2 25.9 38.9#
 39 0.0 66.0 99.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.012 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

Tgt Ion: 96 Resp: 779
 Ion Ratio Lower Upper
 96 100
 61 103.9 133.6 200.4#
 98 16.5 51.4 77.0#





#23

Vinyl Acetate

Concen: 0.010 ppbv

RT: 4.610 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.03

Tgt Ion: 43 Resp: 465

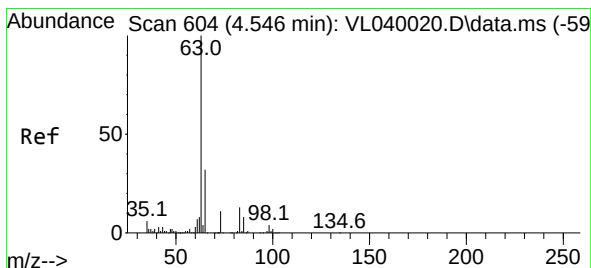
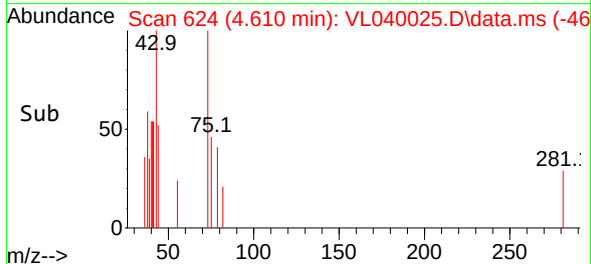
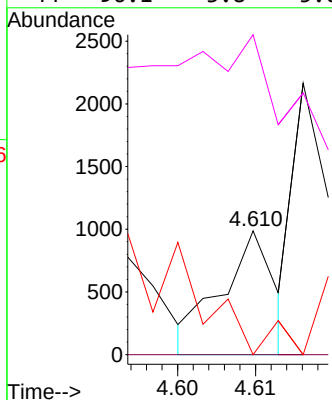
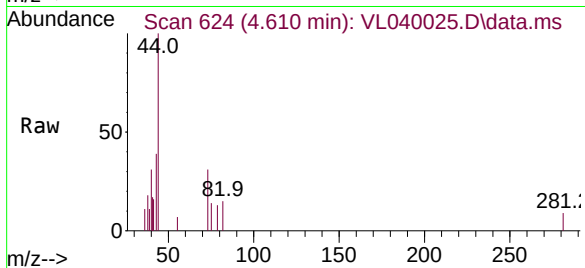
Ion Ratio Lower Upper

43 100

86 0.0 5.3 7.9#

42 0.0 7.4 11.0#

44 96.1 3.8 5.6#



#24

1,1-Dichloroethane

Concen: 0.010 ppbv

RT: 4.549 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

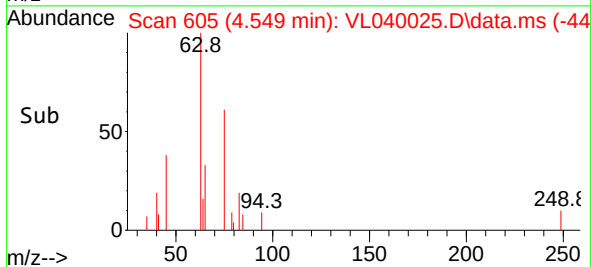
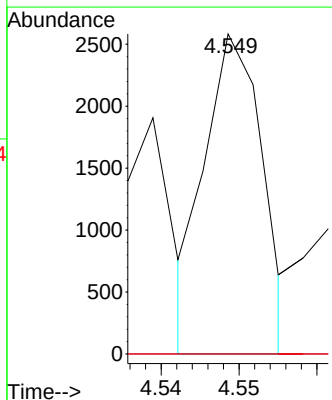
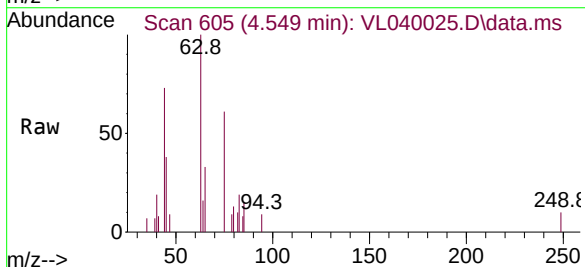
Tgt Ion: 63 Resp: 1326

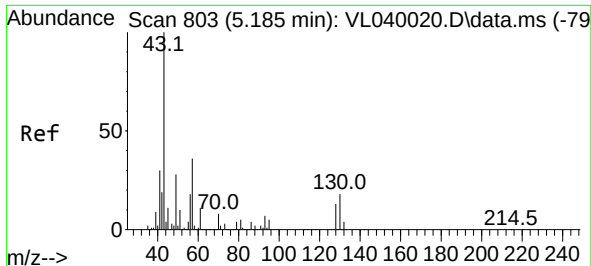
Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.2#

100 0.0 1.1 3.3#

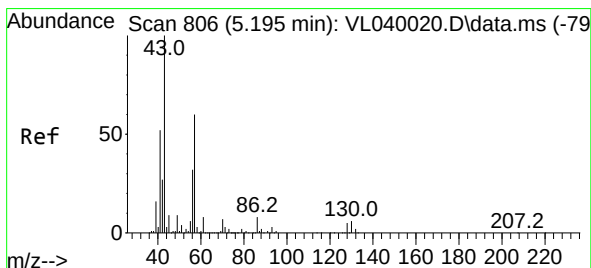
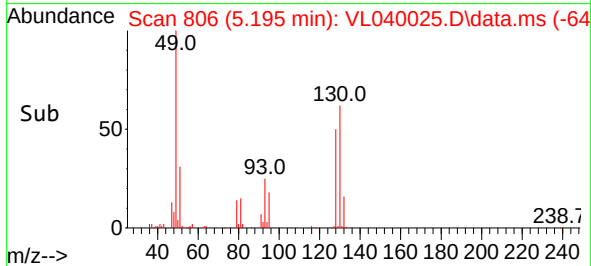
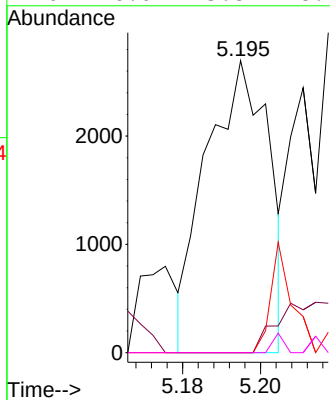
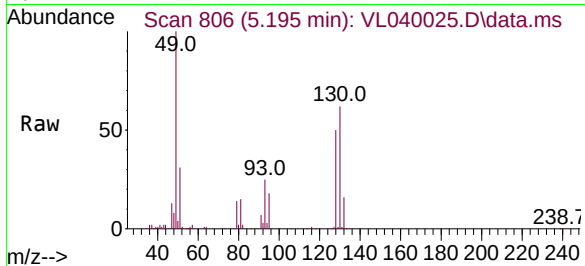




#25
Ethyl Acetate
Concen: 0.012 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.009 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

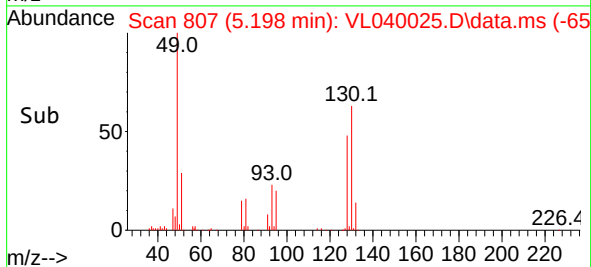
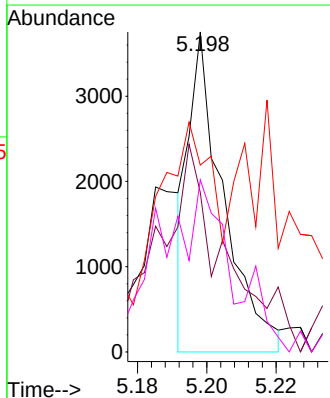
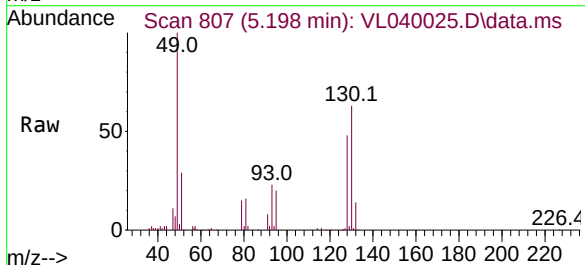
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

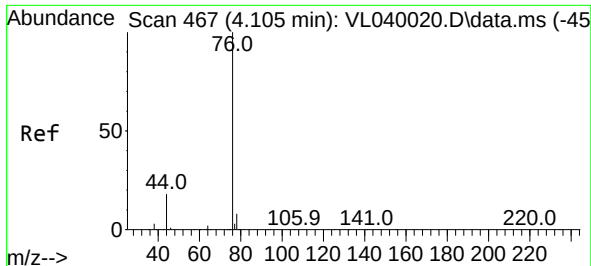
Tgt Ion:	43	Resp:	2999
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.6	12.8#
61	0.0	8.5	12.7#
70	0.0	5.8	8.8#



#26
Hexane
Concen: 0.024 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion:	57	Resp:	2614
Ion	Ratio	Lower	Upper
57	100		
41	141.8	72.1	108.1#
43	0.0	192.1	288.1#
56	117.6	42.5	63.7#





#27

Carbon Disulfide

Concen: 0.007 ppbv

RT: 4.111 min Scan# 4

Delta R.T. 0.006 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

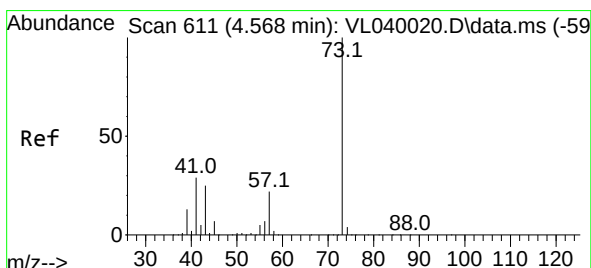
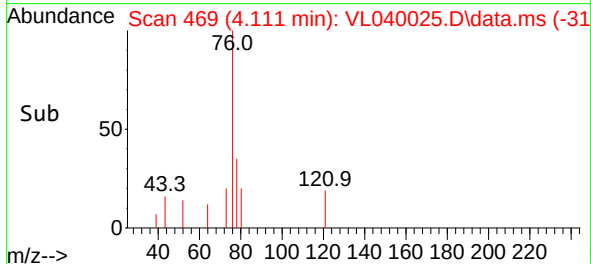
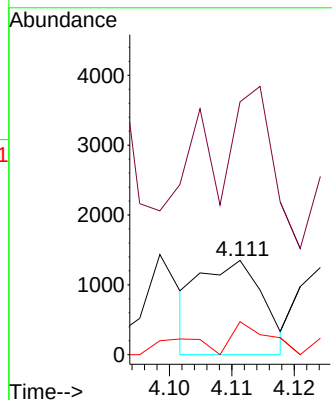
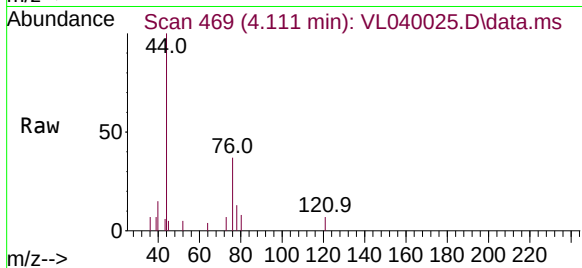
Tgt Ion: 76 Resp: 948

Ion Ratio Lower Upper

76 100

44 152.8 15.3 22.9#

78 25.2 7.8 11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.001 ppbv

RT: 4.571 min Scan# 612

Delta R.T. 0.003 min

Lab File: VL040025.D

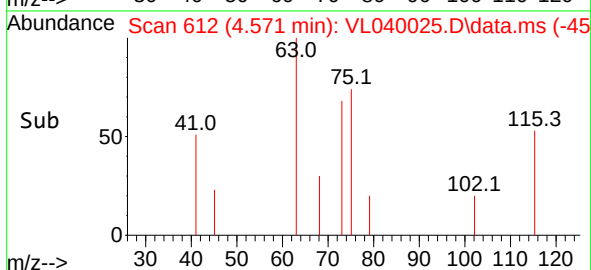
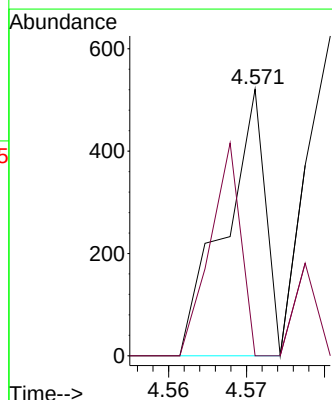
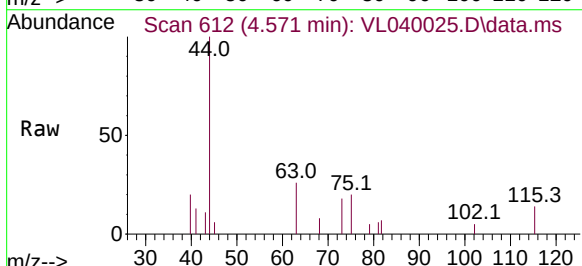
Acq: 19 Dec 2022 12:43

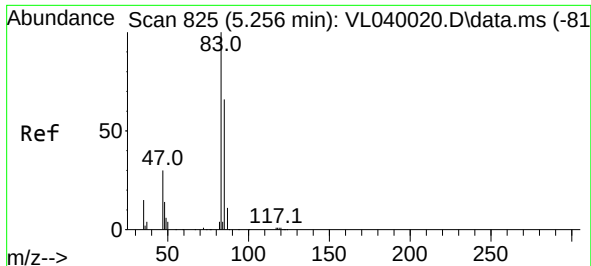
Tgt Ion: 73 Resp: 188

Ion Ratio Lower Upper

73 100

57 0.0 18.6 28.0#





#29

Chloroform

Concen: 0.017 ppbv

RT: 5.256 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

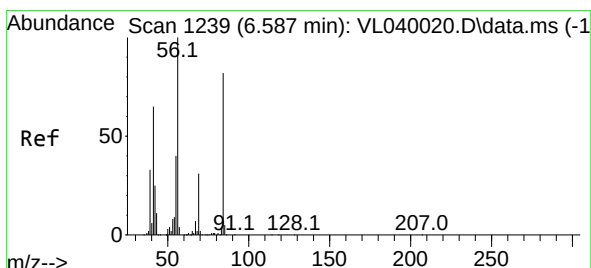
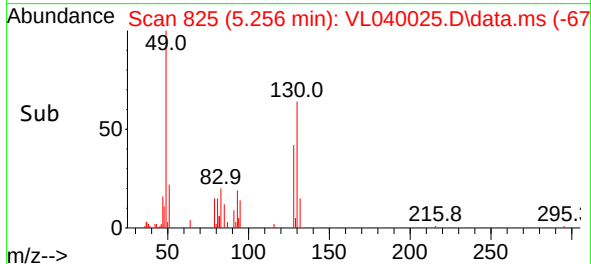
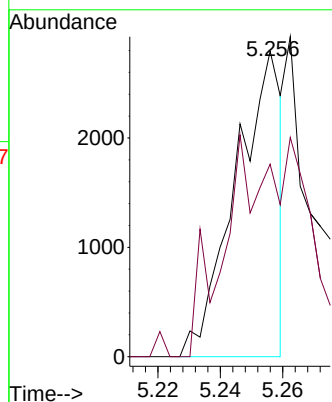
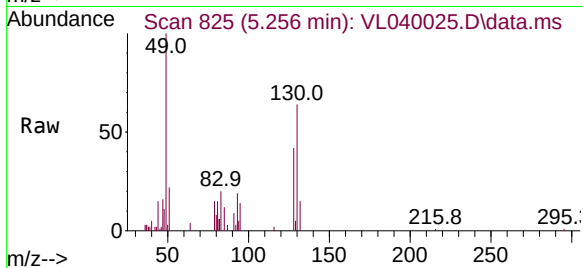
VSTDICC0.03

Tgt Ion: 83 Resp: 2850

Ion Ratio Lower Upper

83 100

85 62.9 52.4 78.6



#30

Cyclohexane

Concen: 0.006 ppbv

RT: 6.590 min Scan# 1240

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

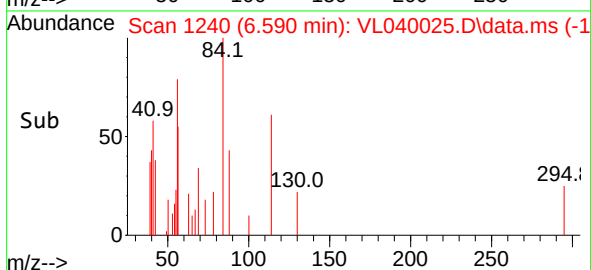
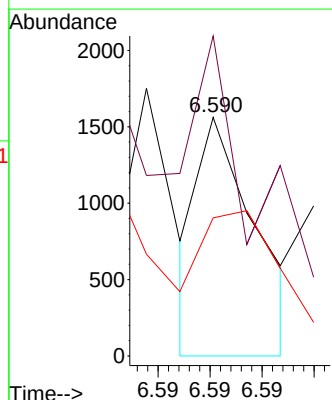
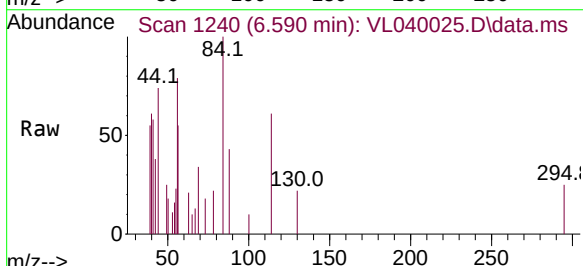
Tgt Ion: 84 Resp: 595

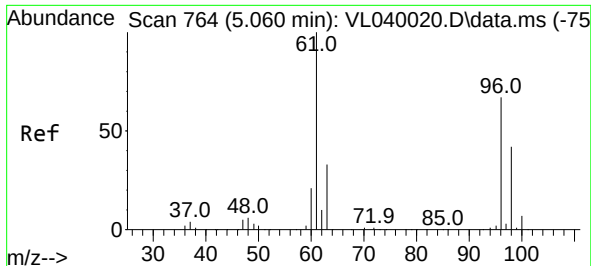
Ion Ratio Lower Upper

84 100

56 0.0 110.2 165.4#

41 0.0 67.8 101.8#

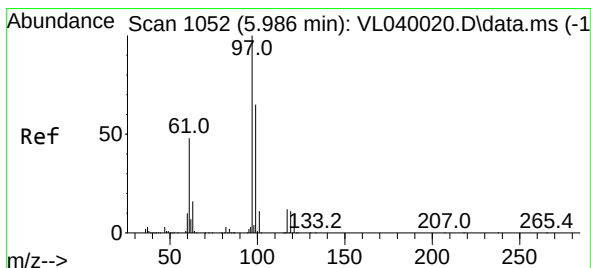
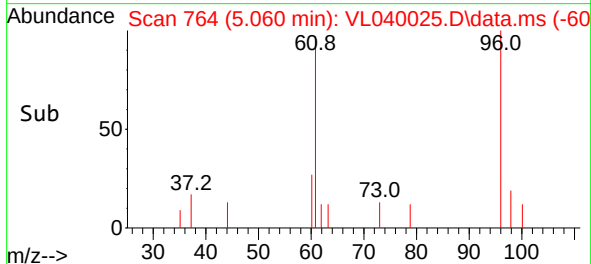
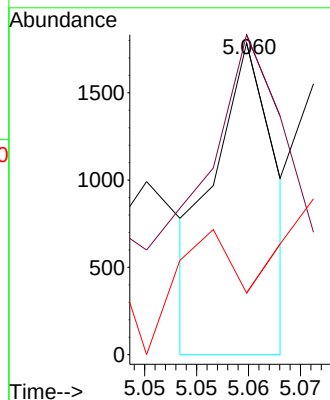
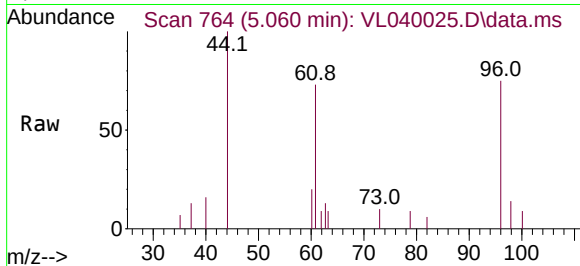




#31
 cis-1,2-Dichloroethene
 Concen: 0.007 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. -0.000 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

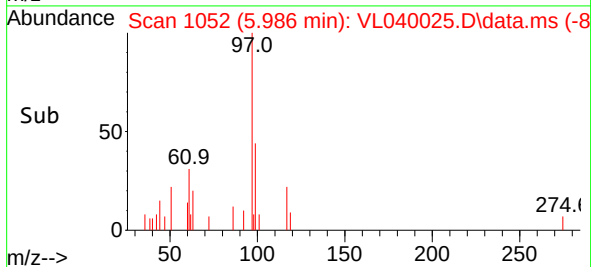
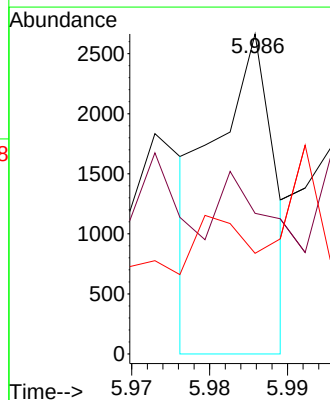
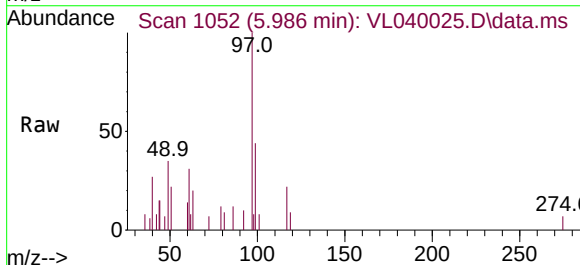
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

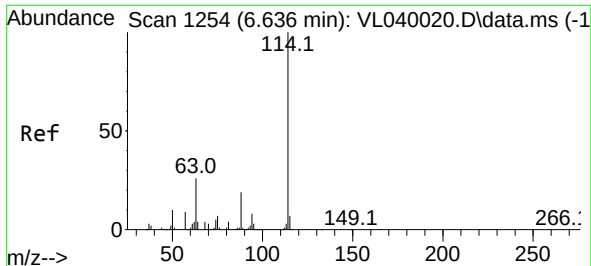
Tgt Ion: 61 Resp: 726
 Ion Ratio Lower Upper
 61 100
 96 99.0 53.4 80.2#
 98 0.0 33.4 50.0#



#32
 1,1,1-Trichloroethane
 Concen: 0.008 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. -0.000 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

Tgt Ion: 97 Resp: 1454
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.8 77.6#
 61 0.0 39.8 59.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

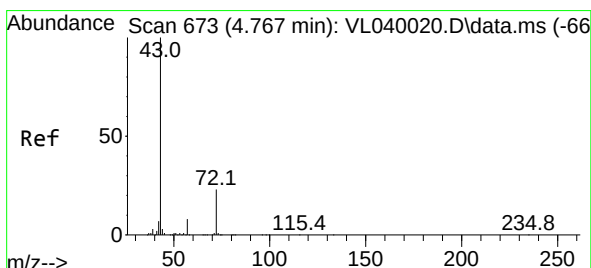
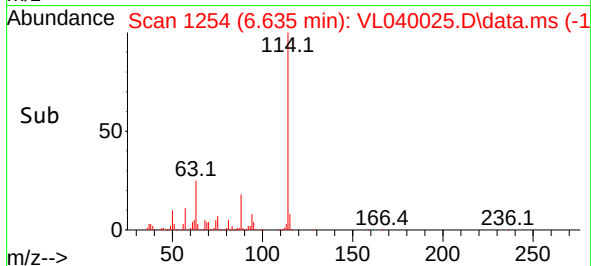
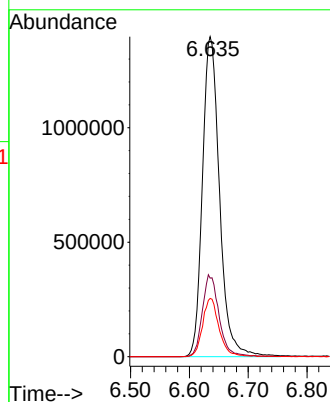
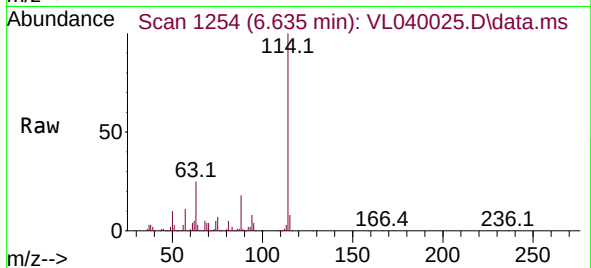
Tgt Ion:114 Resp: 2821156

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.2

88 17.8 14.6 21.8



#34

2-Butanone

Concen: 0.001 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.006 min

Lab File: VL040025.D

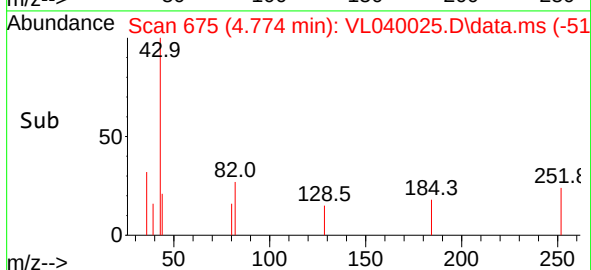
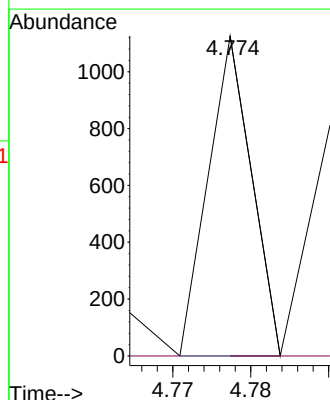
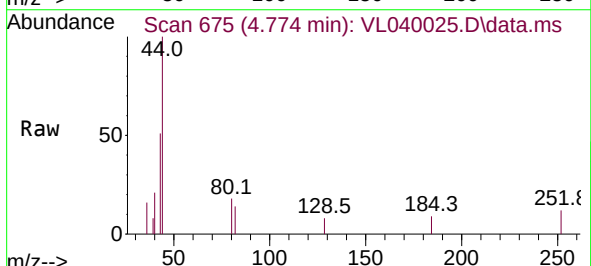
Acq: 19 Dec 2022 12:43

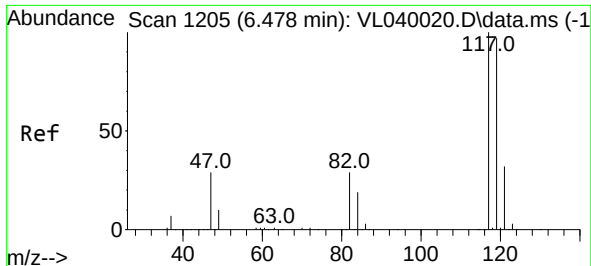
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#

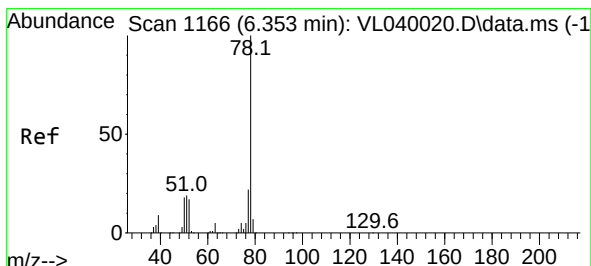
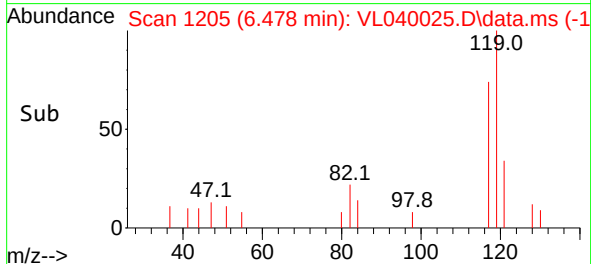
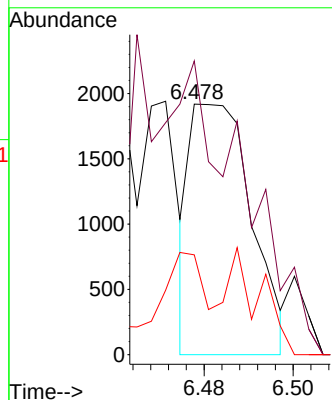
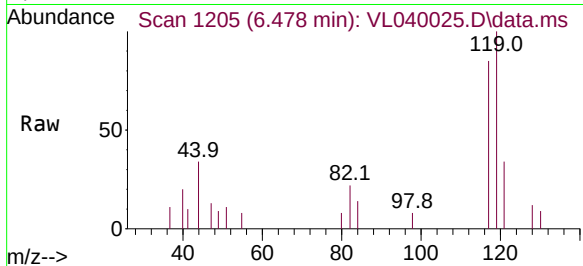




#35
Carbon Tetrachloride
Concen: 0.010 ppbv
RT: 6.478 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

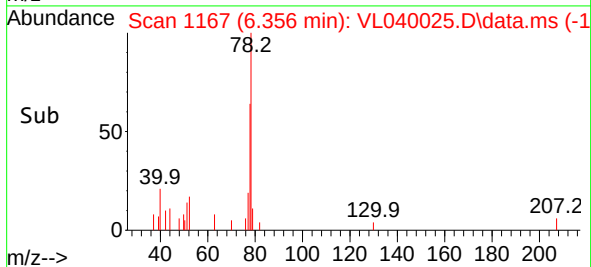
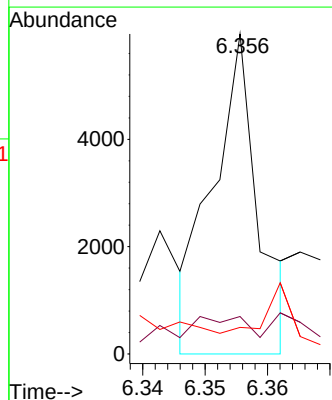
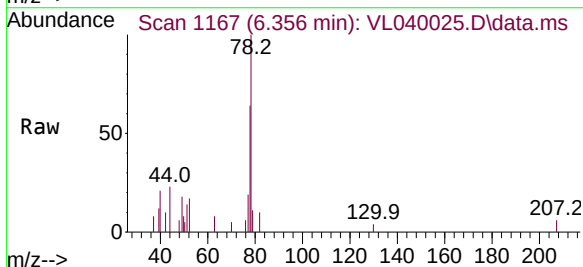
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

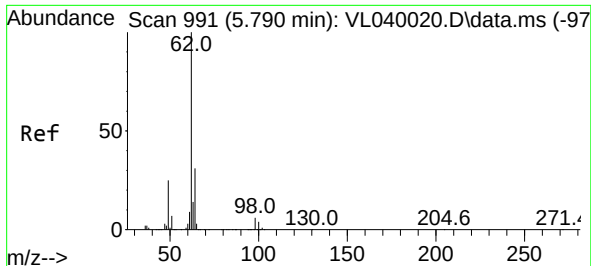
Tgt Ion:117 Resp: 1840
Ion Ratio Lower Upper
117 100
119 111.3 77.3 115.9
121 34.3 25.4 38.0



#36
Benzene
Concen: 0.012 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 78 Resp: 3016
Ion Ratio Lower Upper
78 100
77 61.7 17.5 26.3#
50 0.0 14.2 21.2#





#37

1,2-Dichloroethane

Concen: 0.013 ppbv

RT: 5.793 min Scan# 991

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

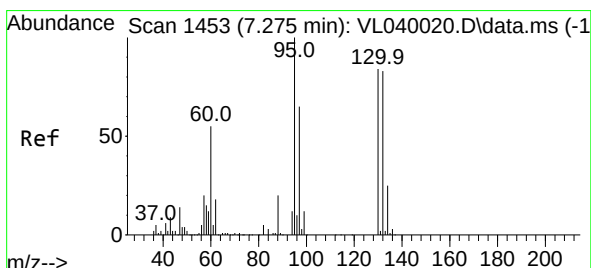
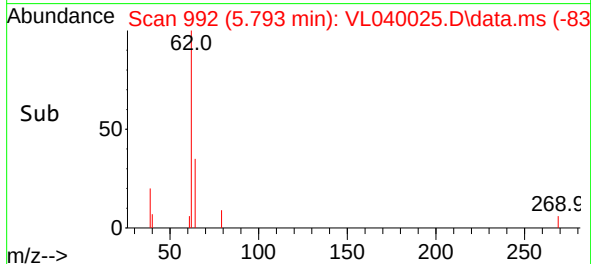
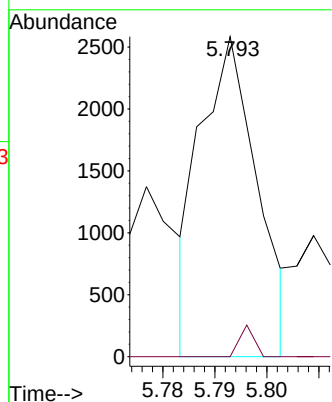
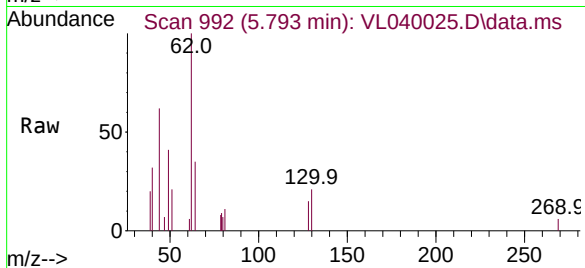
VSTDICC0.03

Tgt Ion: 62 Resp: 1955

Ion Ratio Lower Upper

62 100

98 0.0 5.1 7.7#



#38

Trichloroethene

Concen: 0.019 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Tgt Ion:130 Resp: 2420

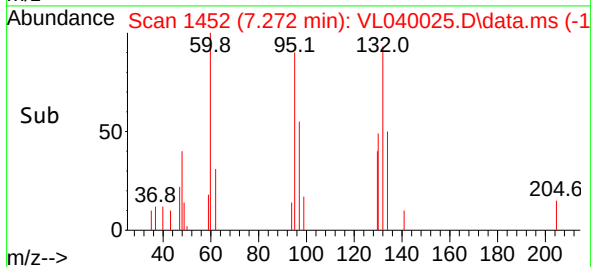
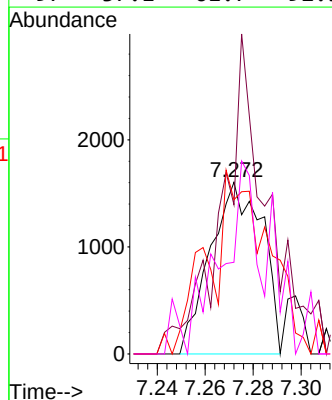
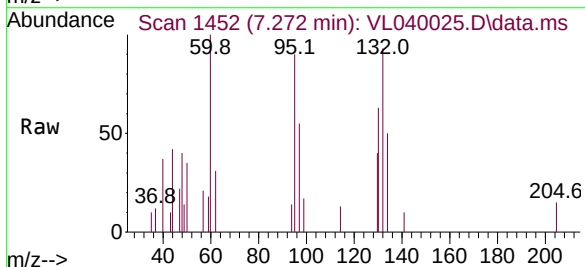
Ion Ratio Lower Upper

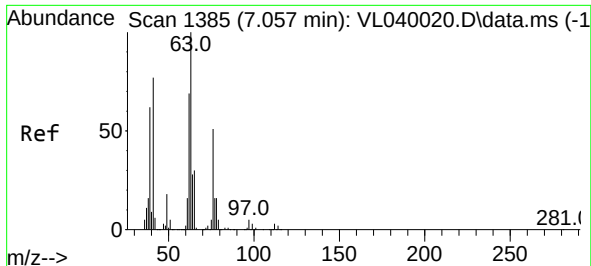
130 100

95 72.2 94.8 142.2#

132 76.4 78.2 117.4#

97 37.1 61.7 92.5#





#39

1,2-Dichloropropane

Concen: 7.420 ppbv

RT: 6.632 min Scan# 11

Delta R.T. -0.425 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

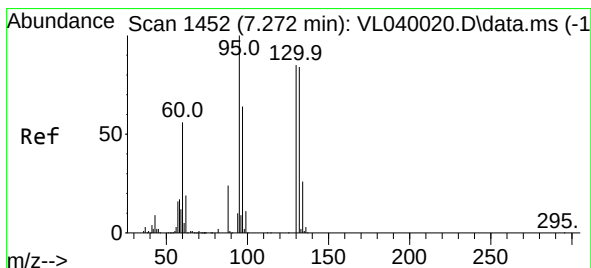
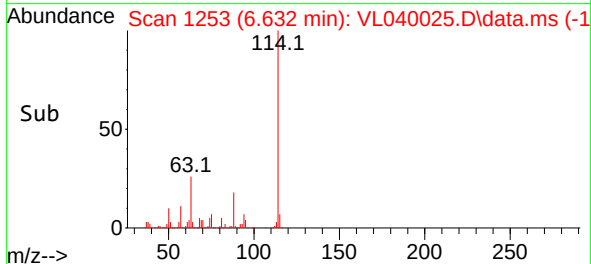
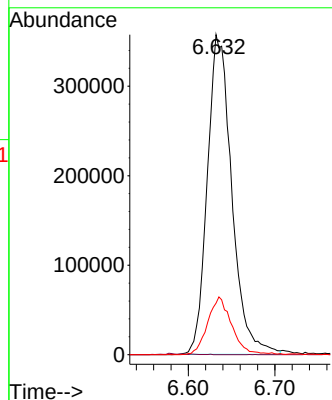
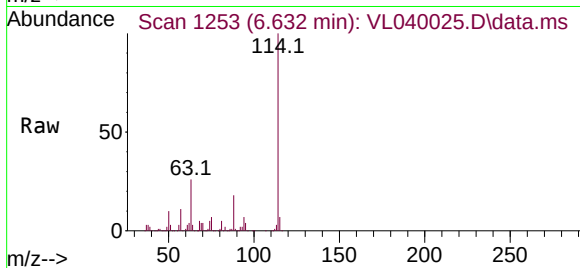
Tgt Ion: 63 Resp: 700725

Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 16.1 55.4 83.2#



#40

1,4-Dioxane

Concen: 0.002 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.029 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Tgt Ion: 88 Resp: 67

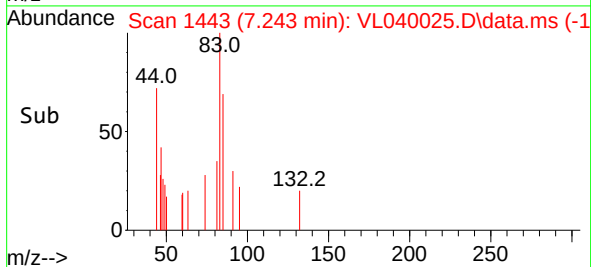
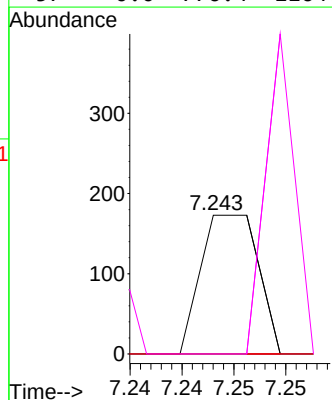
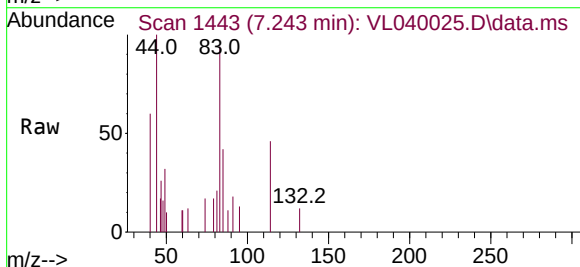
Ion Ratio Lower Upper

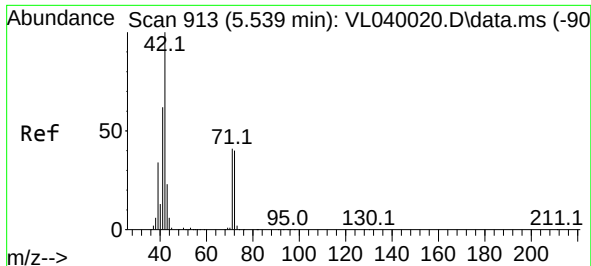
88 100

58 120.9 92.7 139.1

43 135.8 174.6 261.8#

57 0.0 776.4 1164.6#





#41

Tetrahydrofuran

Concen: 0.002 ppbv

RT: 5.565 min Scan# 91

Delta R.T. 0.026 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

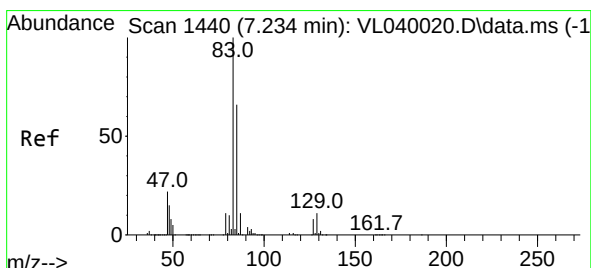
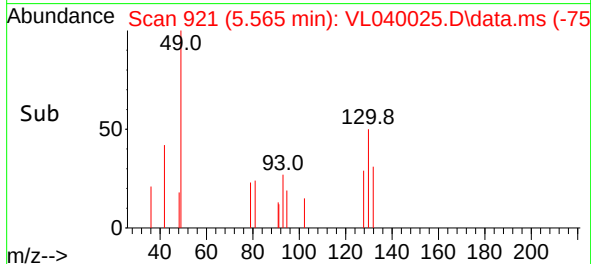
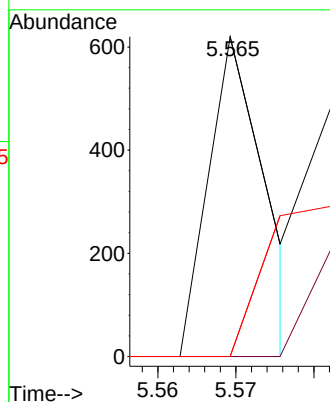
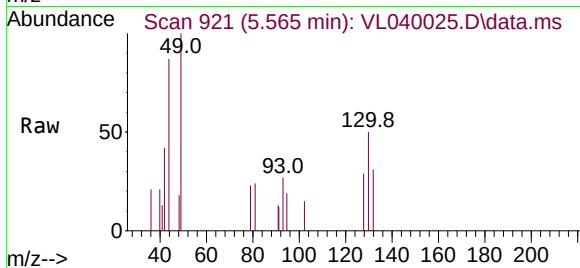
Tgt Ion: 42 Resp: 161

Ion Ratio Lower Upper

42 100

72 0.0 32.9 49.3#

71 0.0 32.2 48.2#



#42

Bromodichloromethane

Concen: 0.007 ppbv

RT: 7.230 min Scan# 1439

Delta R.T. -0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

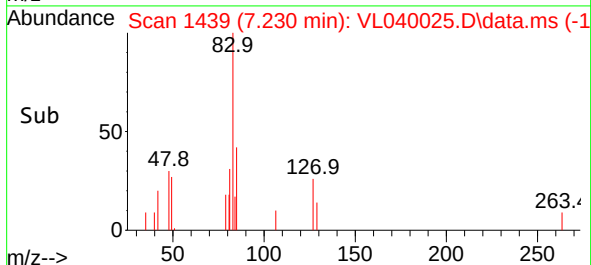
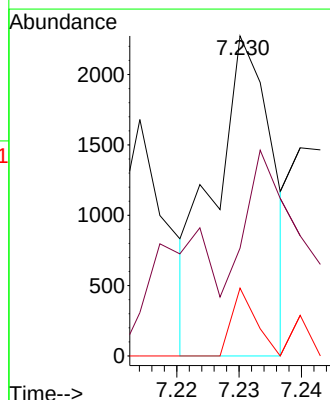
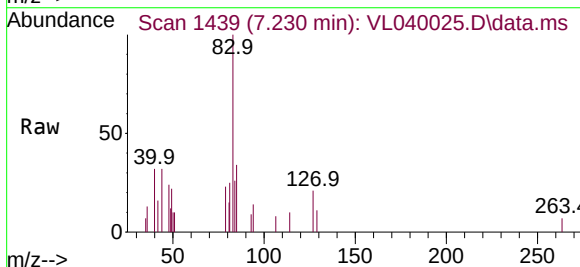
Tgt Ion: 83 Resp: 1475

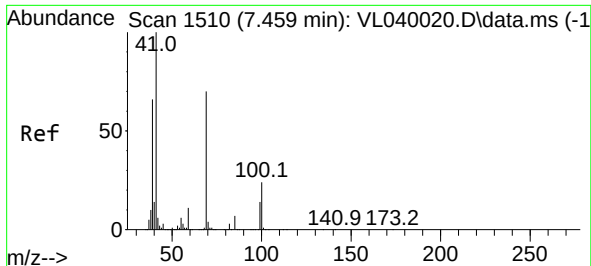
Ion Ratio Lower Upper

83 100

85 2.8 53.0 79.6#

127 33.4 6.2 9.2#

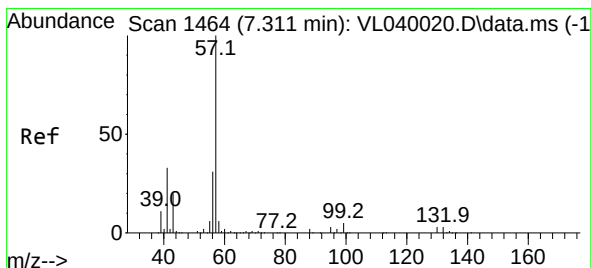
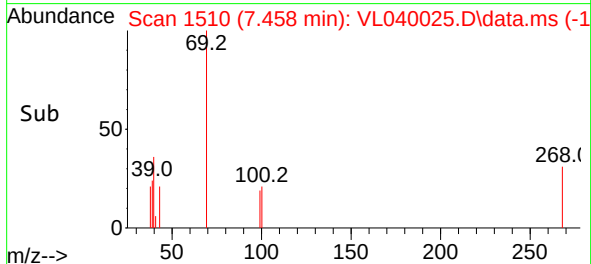
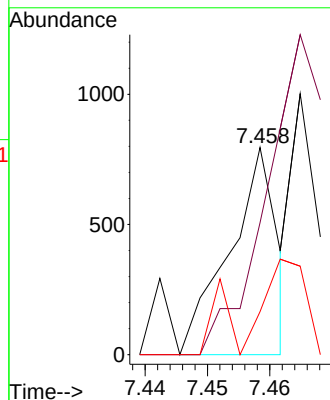
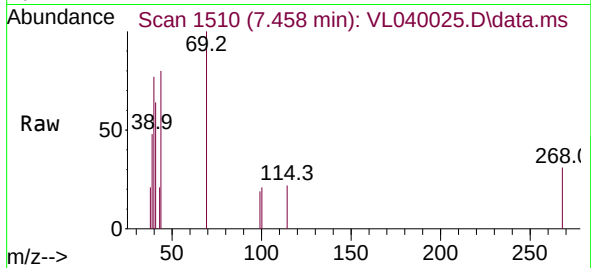




#43
Methyl Methacrylate
Concen: 0.004 ppbv
RT: 7.458 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

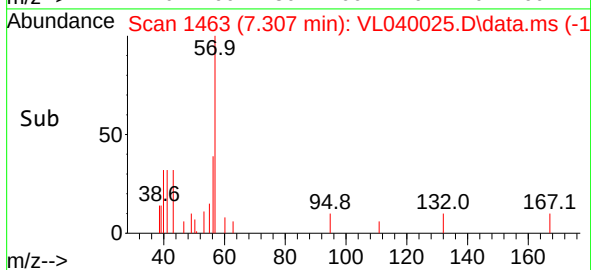
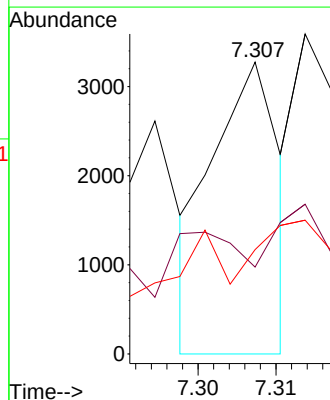
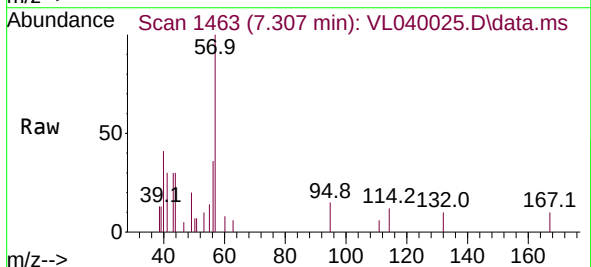
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

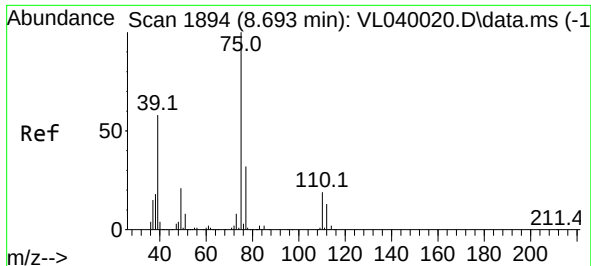
Tgt Ion: 69 Resp: 424
Ion Ratio Lower Upper
69 100
41 0.0 115.7 173.5#
100 0.0 26.0 39.0#



#44
2,2,4-Trimethylpentane
Concen: 0.005 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 57 Resp: 1960
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 0.0 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.005 ppbv

RT: 8.693 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

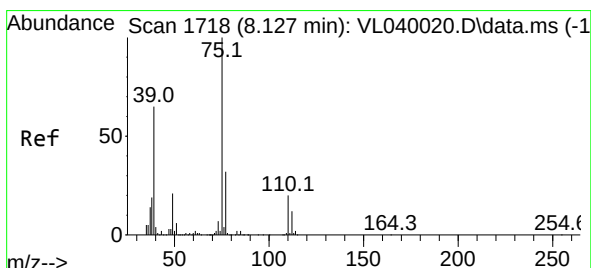
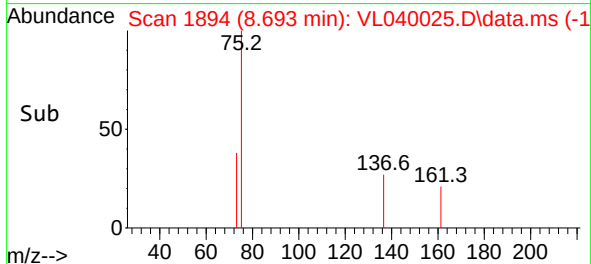
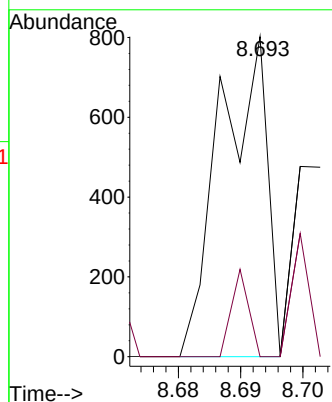
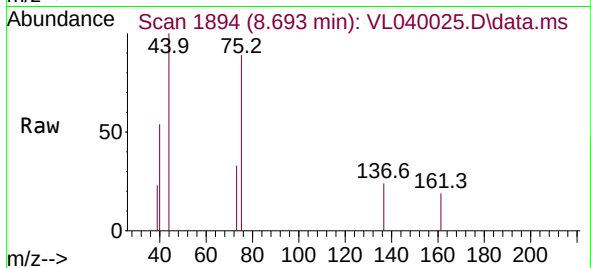
VSTDIC0.03

Tgt Ion: 75 Resp: 419

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#46

cis-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 8.121 min Scan# 1716

Delta R.T. -0.007 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

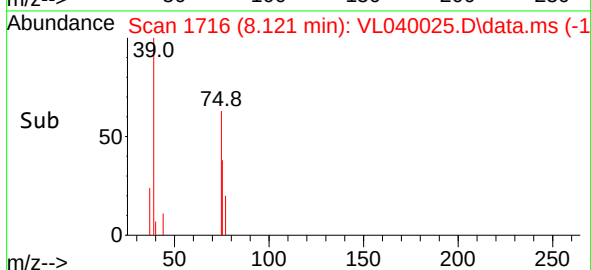
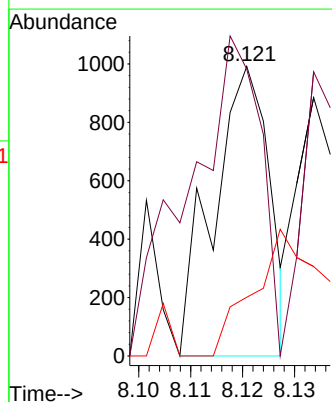
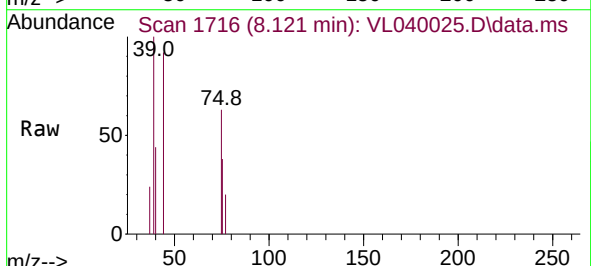
Tgt Ion: 75 Resp: 746

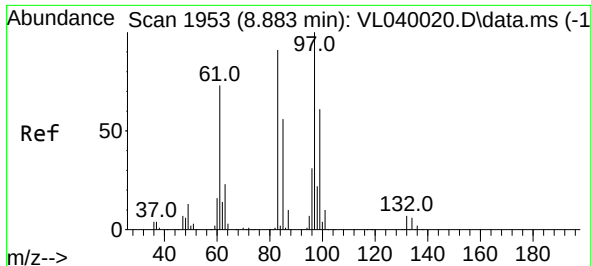
Ion Ratio Lower Upper

75 100

39 99.0 51.7 77.5#

77 20.3 25.2 37.8#





#47

1,1,2-Trichloroethane

Concen: 0.003 ppbv

RT: 8.883 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 354

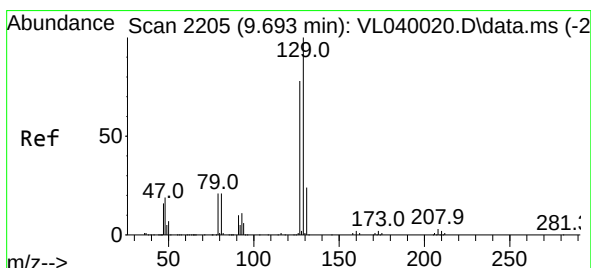
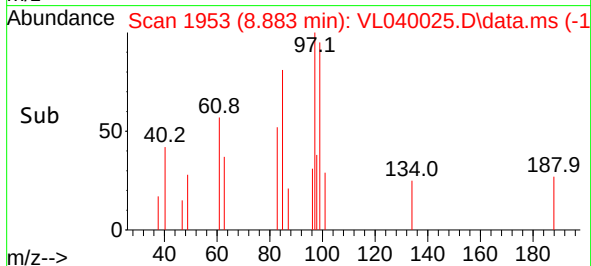
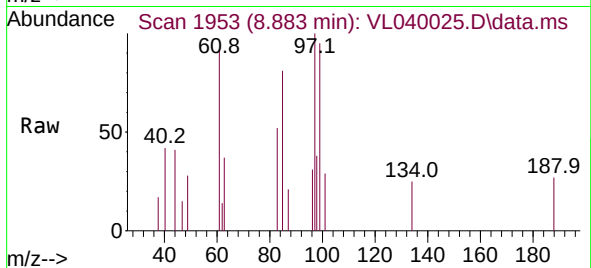
Ion Ratio Lower Upper

97 100

83 0.0 72.5 108.7#

85 92.7 45.0 67.6#

99 90.8 48.6 72.8#



#48

Dibromochloromethane

Concen: 0.004 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. -0.003 min

Lab File: VL040025.D

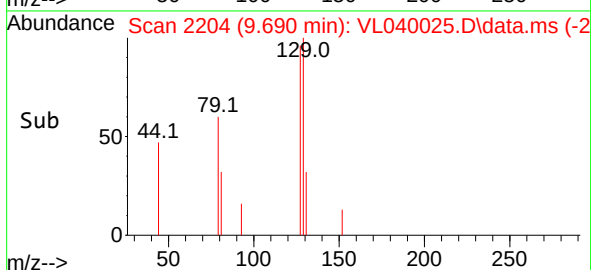
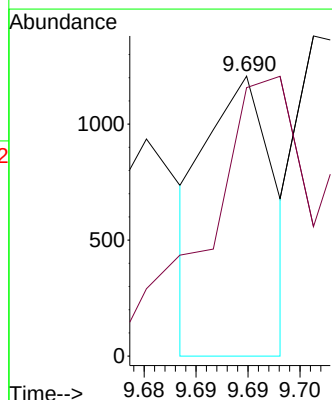
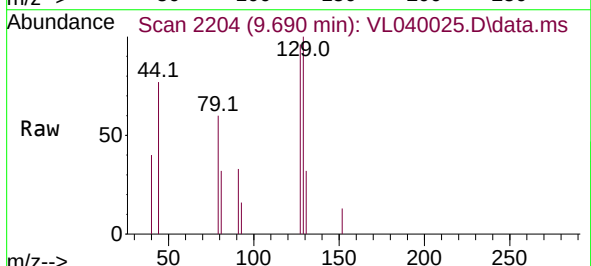
Acq: 19 Dec 2022 12:43

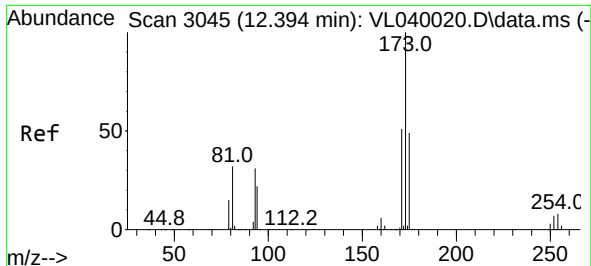
Tgt Ion: 129 Resp: 552

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.1#

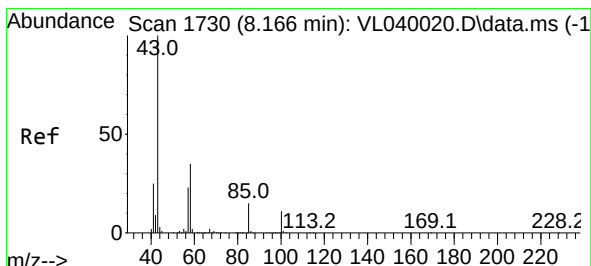
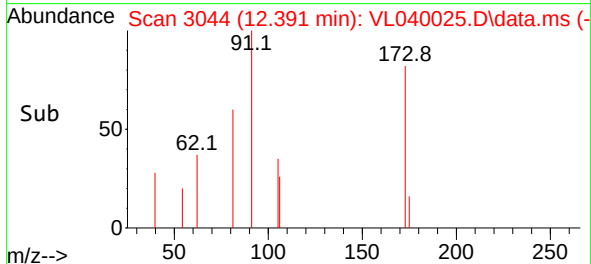
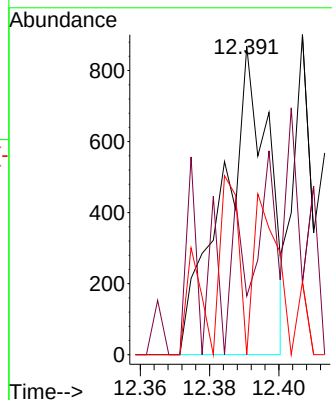
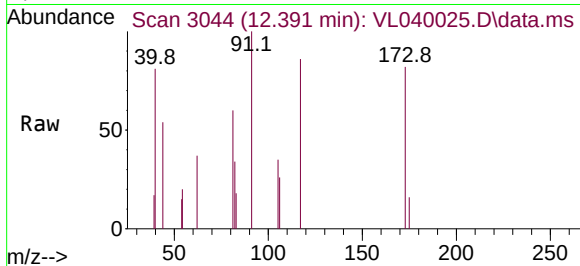




#49
Bromoform
Concen: 0.007 ppbv
RT: 12.391 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

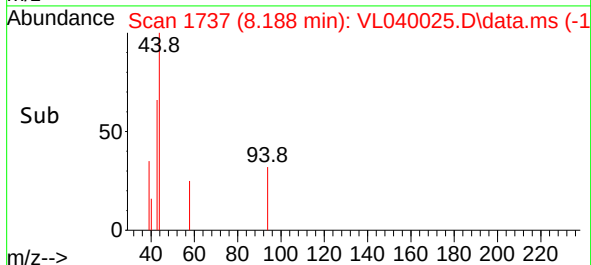
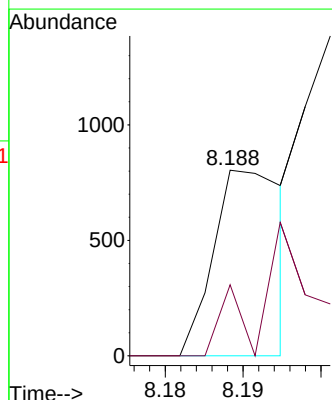
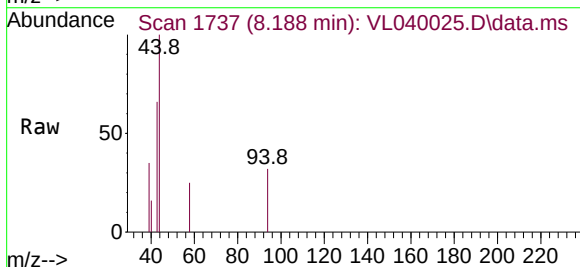
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

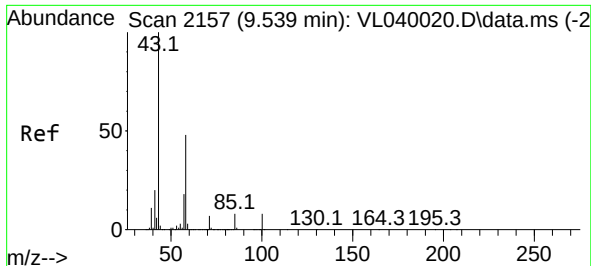
Tgt Ion:173 Resp: 803
Ion Ratio Lower Upper
173 100
175 41.5 39.0 58.4
171 65.3 42.0 63.0#



#50
4-Methyl-2-Pentanone
Concen: 0.002 ppbv
RT: 8.188 min Scan# 1737
Delta R.T. 0.022 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.4#

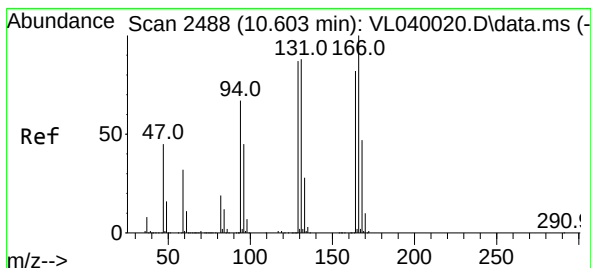
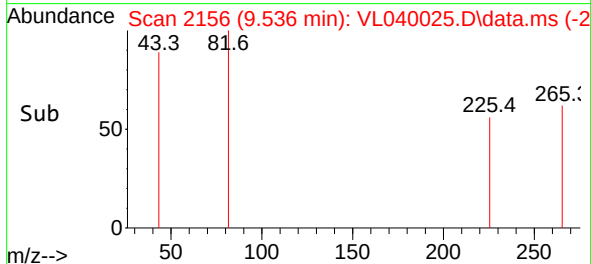
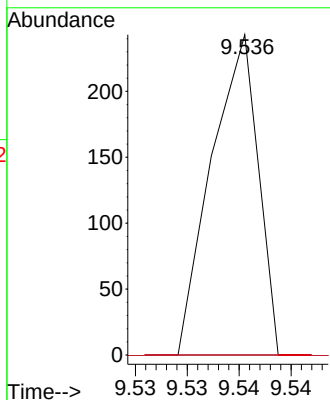
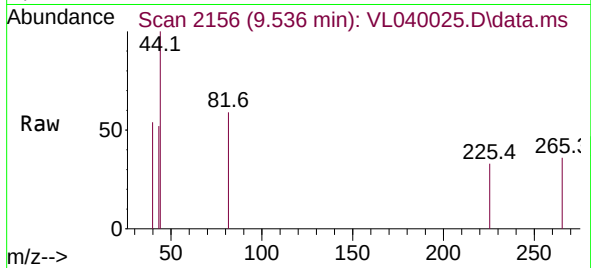




#51
2-Hexanone
Concen: 0.000 ppbv
RT: 9.536 min Scan# 2156
Delta R.T. -0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

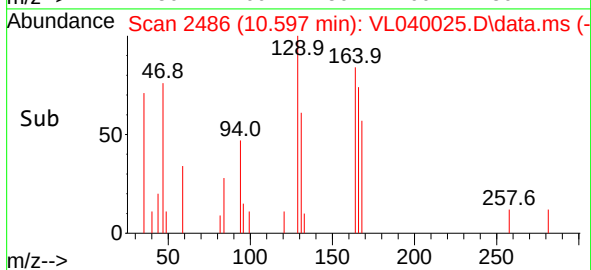
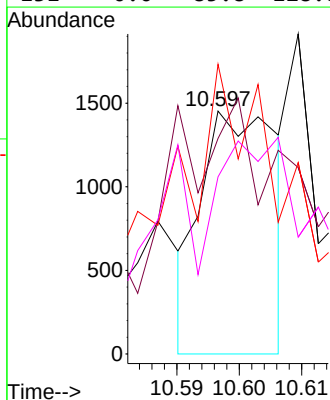
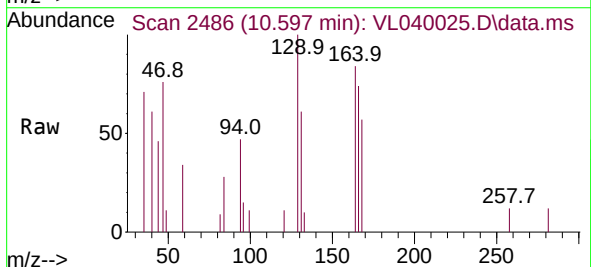
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

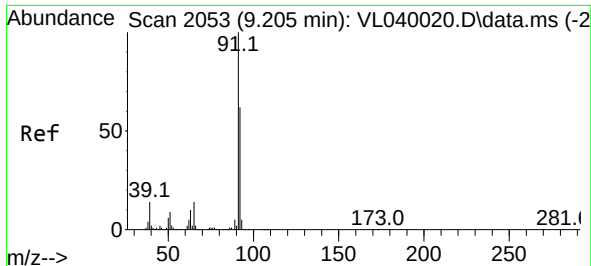
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.2#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.014 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. -0.007 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 164 Resp: 1216
Ion Ratio Lower Upper
164 100
166 8.5 97.4 146.0#
129 112.8 84.3 126.5
131 0.0 85.8 128.8#

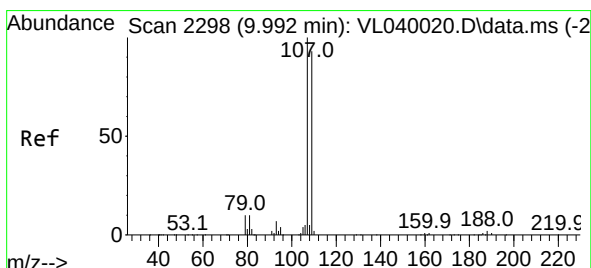
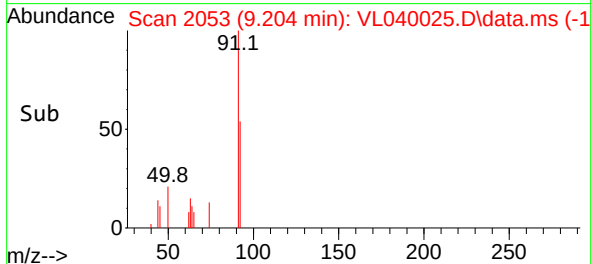
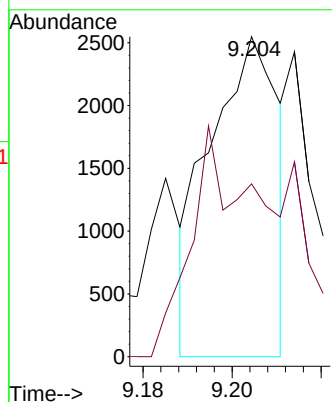
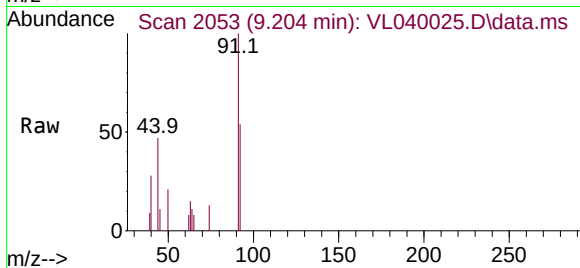




#53
Toluene
Concen: 0.010 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

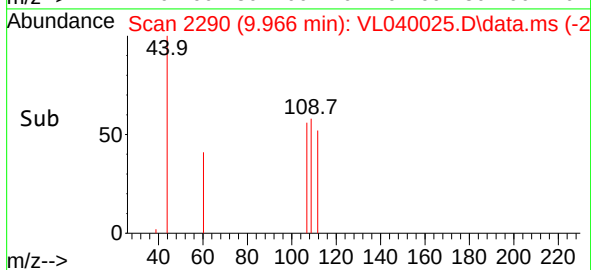
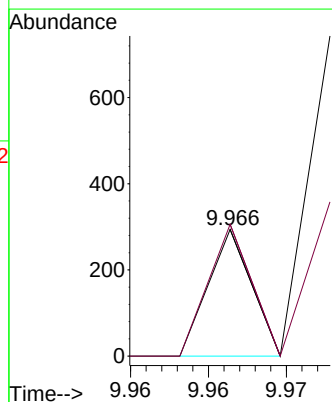
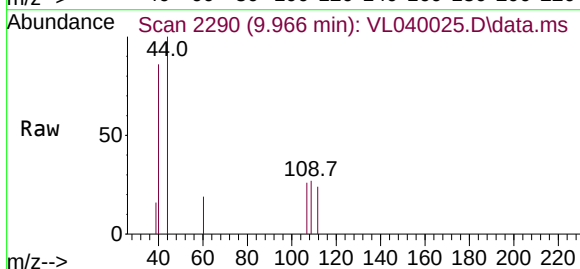
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

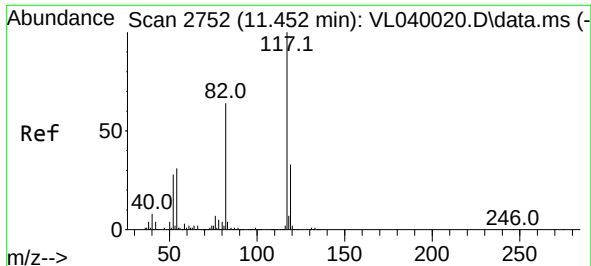
Tgt Ion: 91 Resp: 2719
Ion Ratio Lower Upper
91 100
92 0.0 48.7 73.1#



#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 9.966 min Scan# 2290
Delta R.T. -0.026 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 107 Resp: 57
Ion Ratio Lower Upper
107 100
109 104.1 74.1 111.1

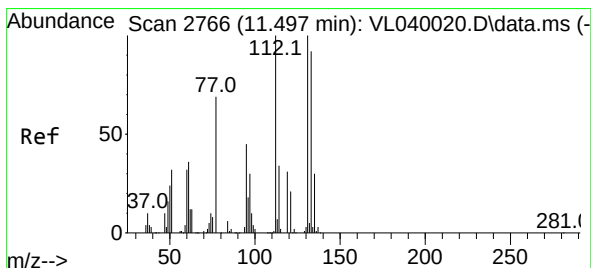
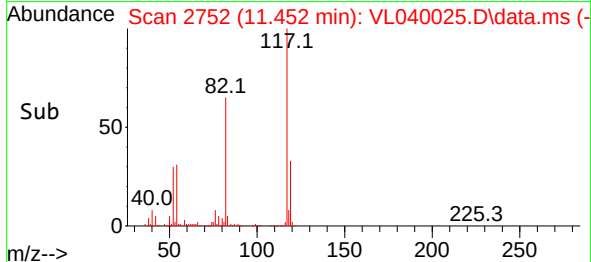
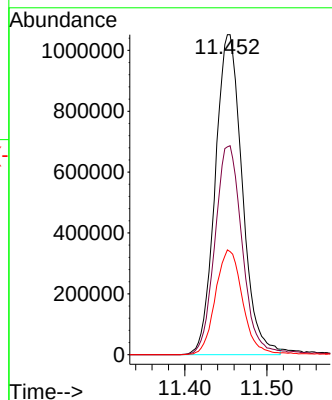
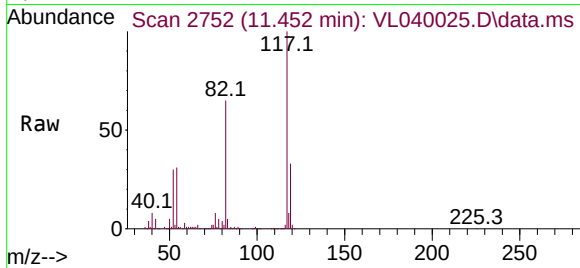




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

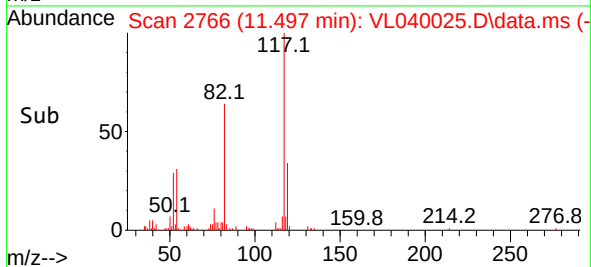
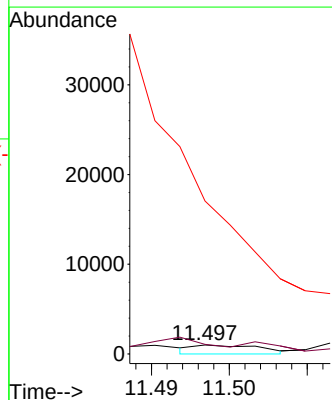
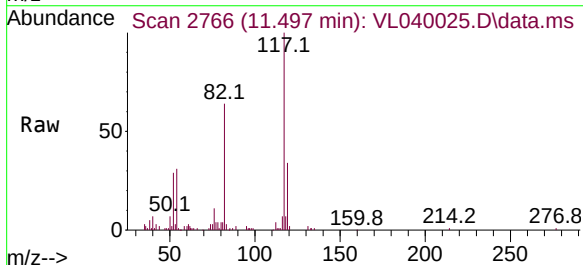
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

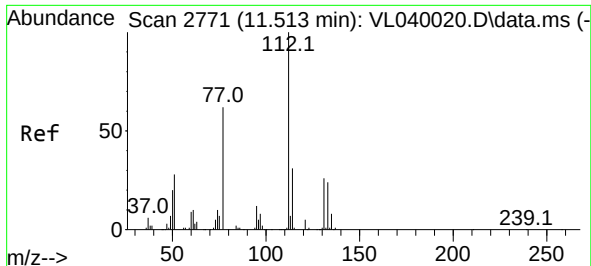
Tgt Ion:117 Resp: 2410030
Ion Ratio Lower Upper
117 100
82 67.0 51.2 76.8
119 33.2 23.2 34.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.005 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion:131 Resp: 591
Ion Ratio Lower Upper
131 100
133 438.9 75.8 113.8#
119 0.0 52.3 78.5#

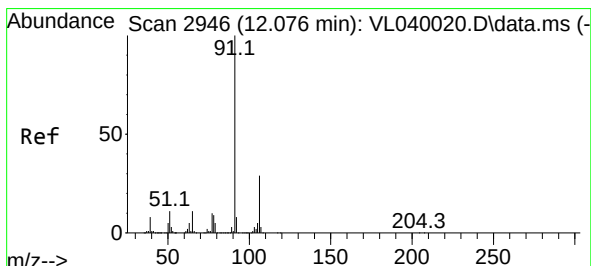
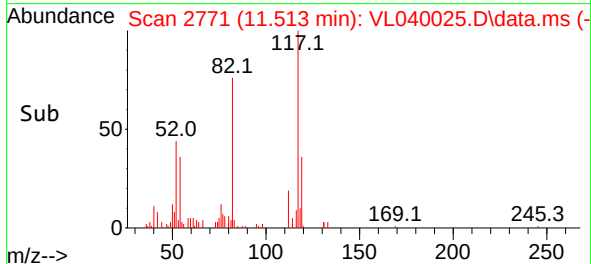
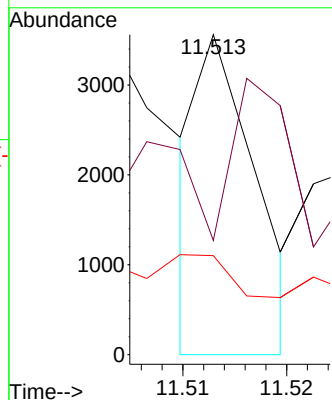
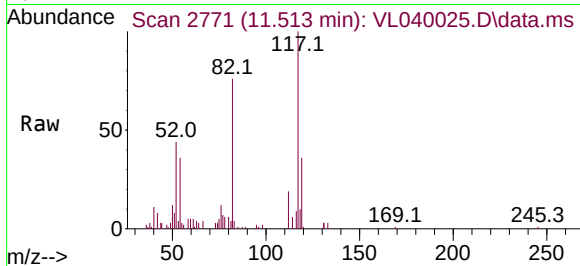




#57
Chlorobenzene
Concen: 0.007 ppbv
RT: 11.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

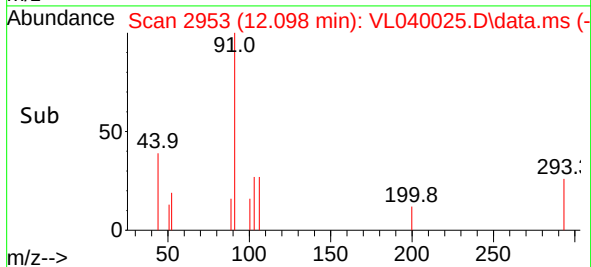
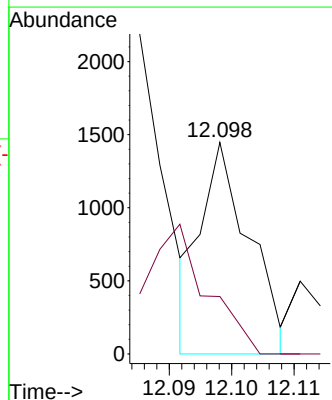
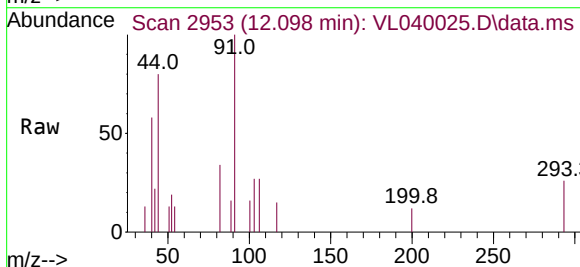
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

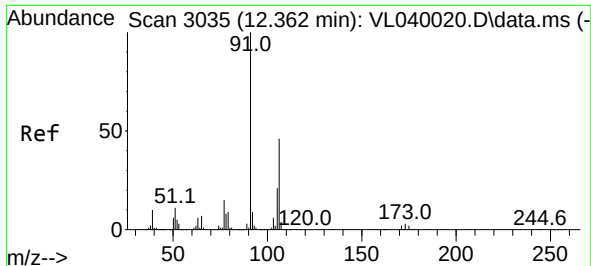
Tgt Ion:112 Resp: 1359
Ion Ratio Lower Upper
112 100
77 0.0 50.6 75.8#
114 19.3 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.002 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.022 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 91 Resp: 775
Ion Ratio Lower Upper
91 100
106 31.1 23.5 35.3





#59

m/p-Xylene

Concen: 0.003 ppbv

RT: 12.362 min Scan# 3035

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

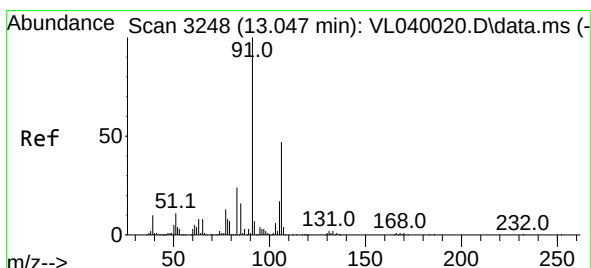
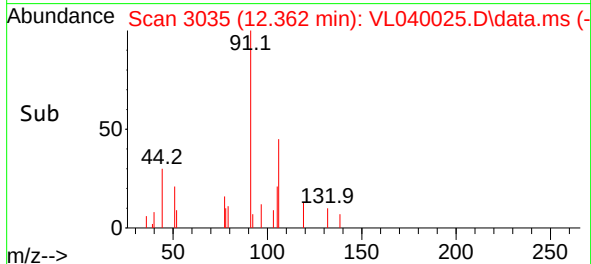
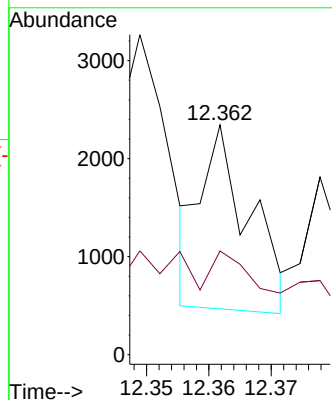
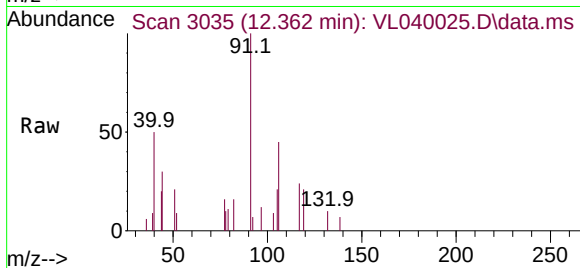
VSTDIC0.03

Tgt Ion: 91 Resp: 1008

Ion Ratio Lower Upper

91 100

106 181.6 35.5 53.3#



#60

o-Xylene

Concen: 0.003 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. -0.000 min

Lab File: VL040025.D

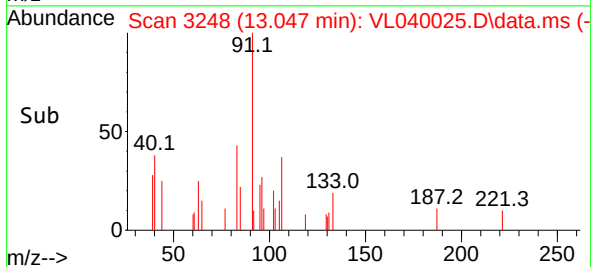
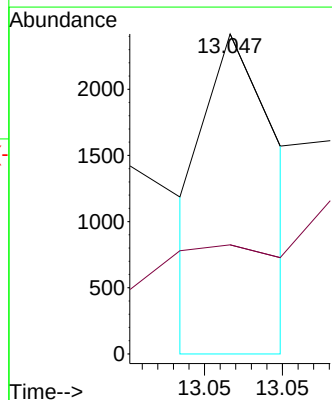
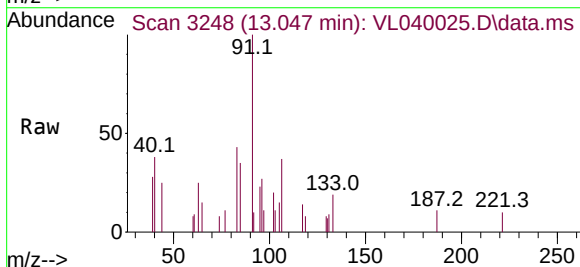
Acq: 19 Dec 2022 12:43

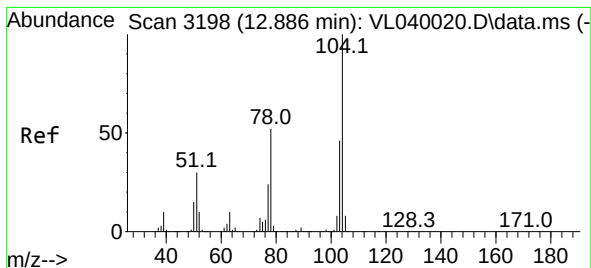
Tgt Ion: 91 Resp: 770

Ion Ratio Lower Upper

91 100

106 0.0 22.4 67.0#





#61

Styrene

Concen: 0.006 ppbv

RT: 12.892 min Scan# 3198

Delta R.T. 0.006 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

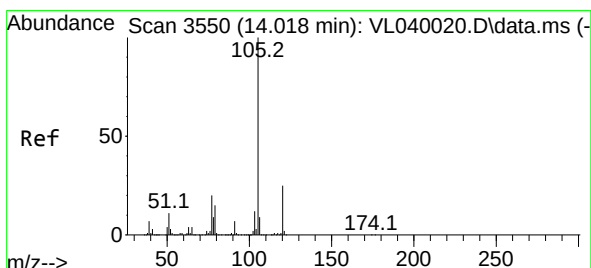
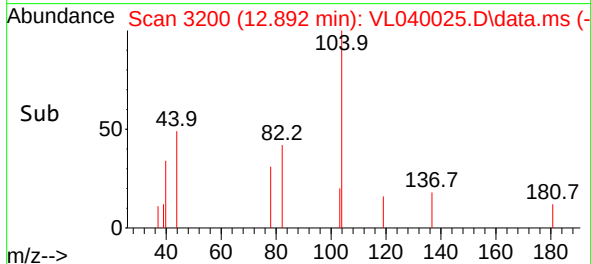
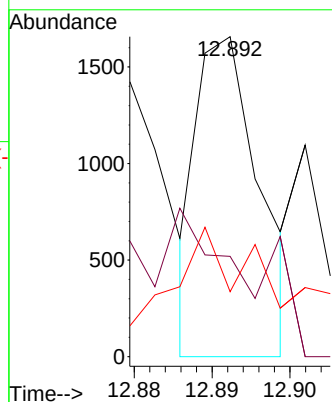
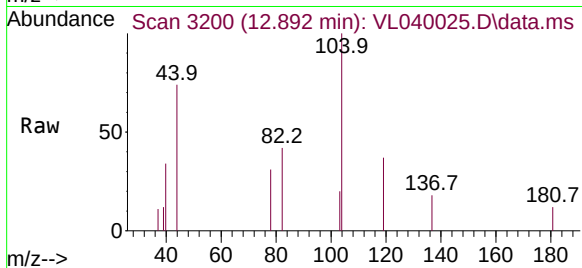
Tgt Ion:104 Resp: 925

Ion Ratio Lower Upper

104 100

78 120.2 42.4 63.6#

103 89.5 37.2 55.8#



#62

Isopropylbenzene

Concen: 0.007 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.000 min

Lab File: VL040025.D

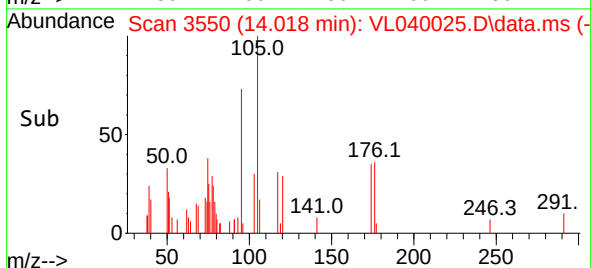
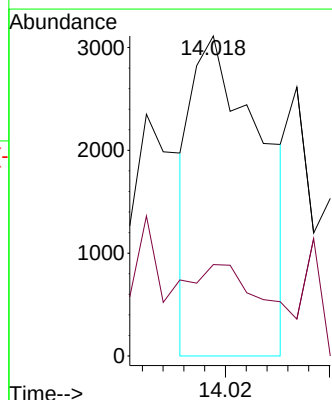
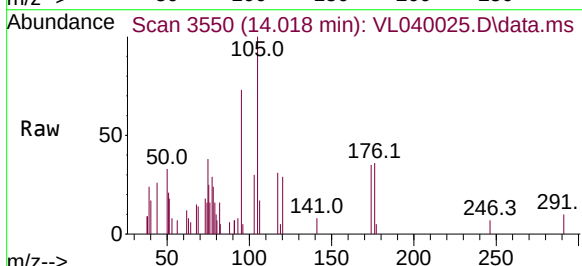
Acq: 19 Dec 2022 12:43

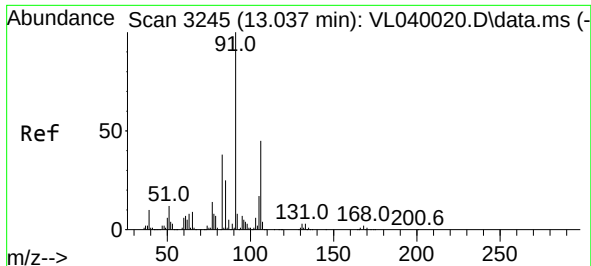
Tgt Ion:105 Resp: 2870

Ion Ratio Lower Upper

105 100

120 0.0 20.6 31.0#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.004 ppbv

RT: 13.040 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

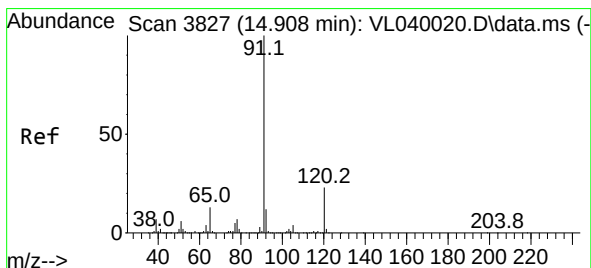
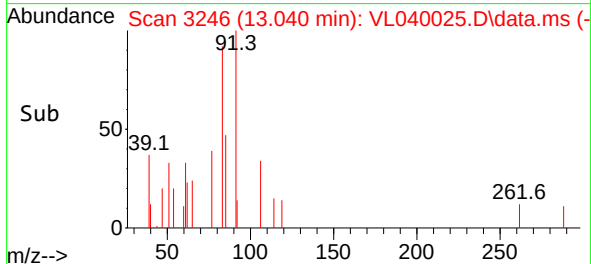
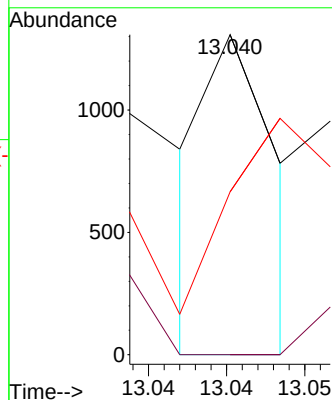
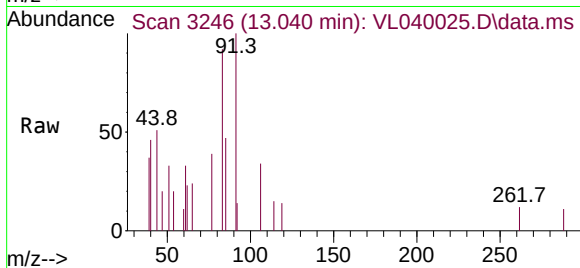
Tgt Ion: 83 Resp: 402

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 33.3 99.9#



#64

n-propylbenzene

Concen: 0.003 ppbv

RT: 14.908 min Scan# 3827

Delta R.T. -0.000 min

Lab File: VL040025.D

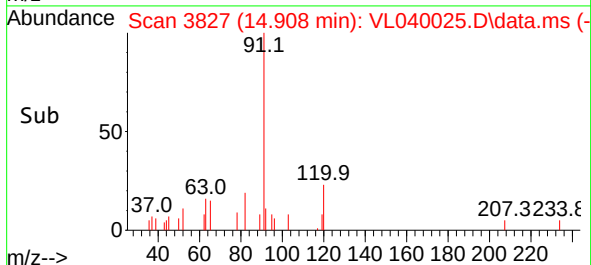
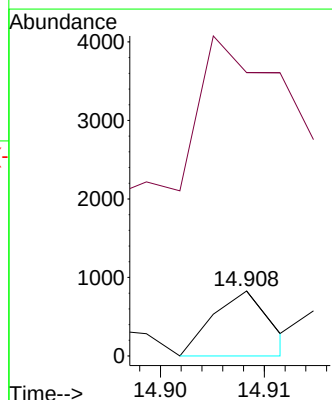
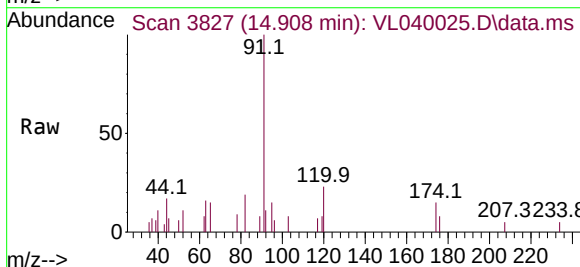
Acq: 19 Dec 2022 12:43

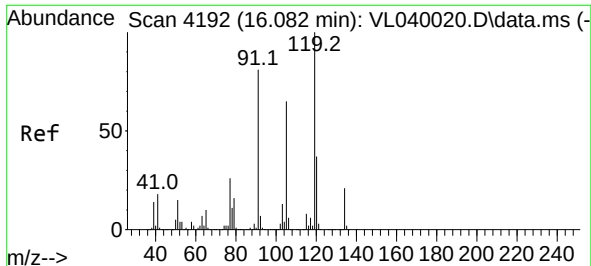
Tgt Ion: 120 Resp: 318

Ion Ratio Lower Upper

120 100

91 2866.0 384.3 576.5#

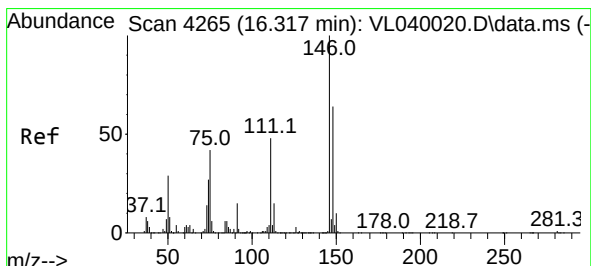
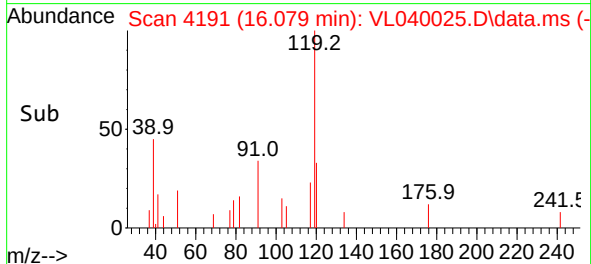
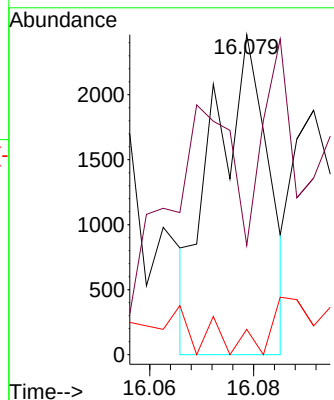
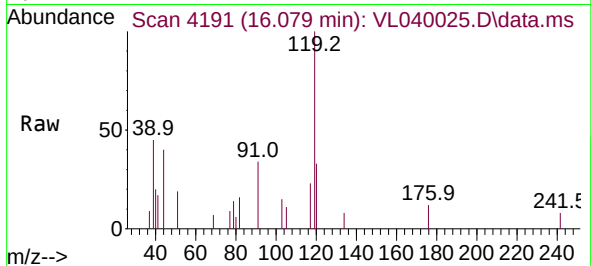




#65
tert-Butylbenzene
Concen: 0.005 ppbv
RT: 16.079 min Scan# 4192
Delta R.T. -0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

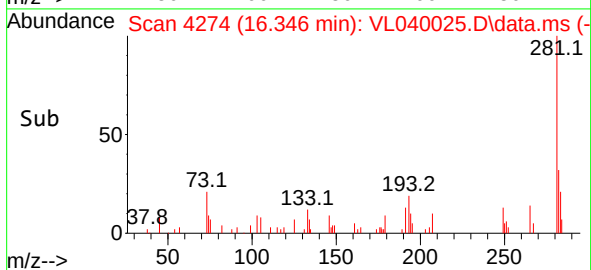
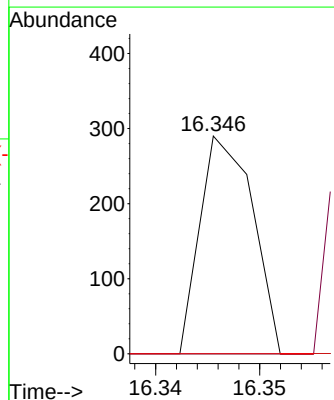
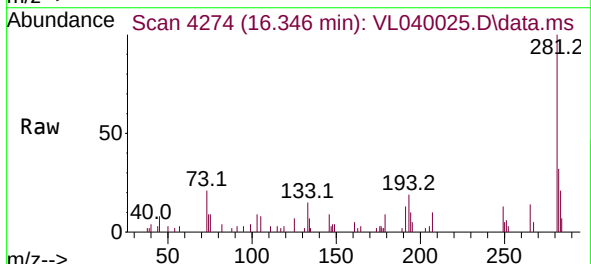
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

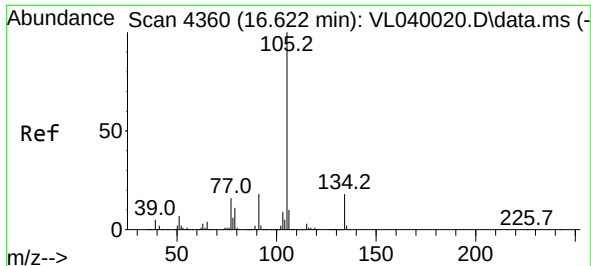
Tgt Ion:119 Resp: 1811
Ion Ratio Lower Upper
119 100
91 0.0 66.9 100.3#
134 0.0 15.8 23.6#



#66
Benzyl Chloride
Concen: 0.005 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.029 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 91 Resp: 102
Ion Ratio Lower Upper
91 100
126 0.0 12.2 18.2#
128 0.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.007 ppbv

RT: 16.622 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

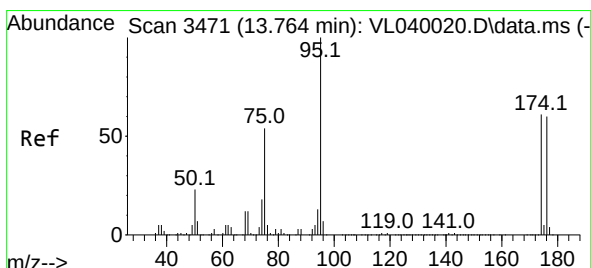
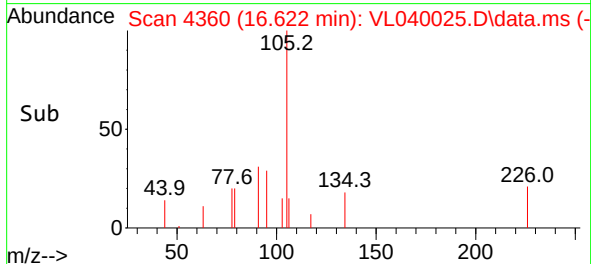
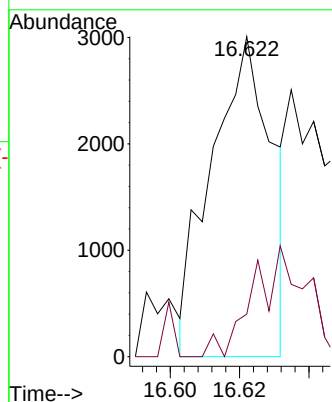
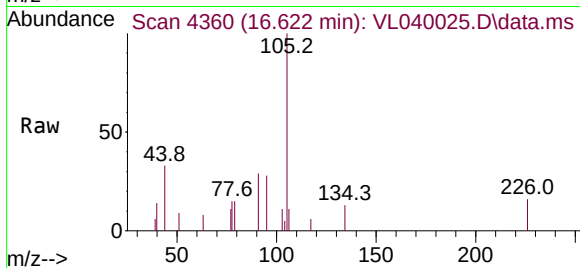
VSTDIC0.03

Tgt Ion:105 Resp: 3604

Ion Ratio Lower Upper

105 100

134 0.0 14.2 21.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.147 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.003 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

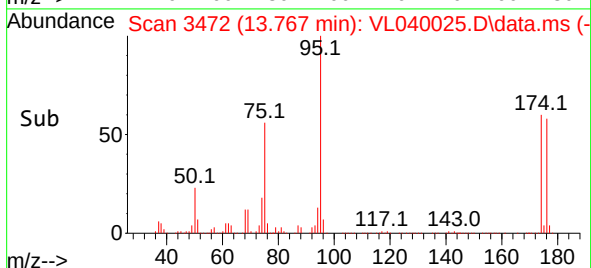
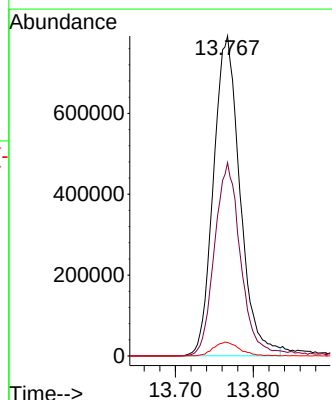
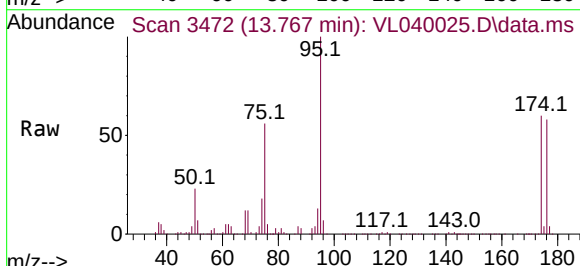
Tgt Ion: 95 Resp: 1867975

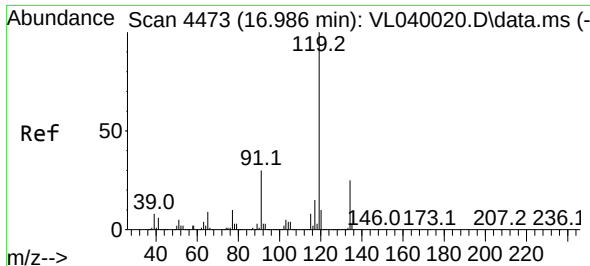
Ion Ratio Lower Upper

95 100

174 60.3 48.6 73.0

175 4.4 3.4 5.2

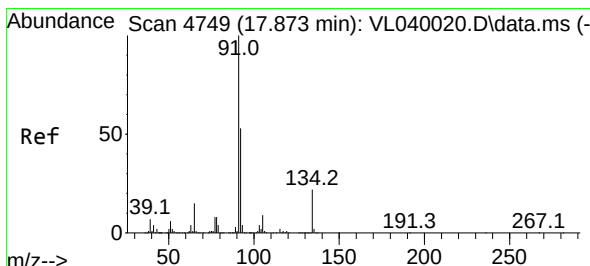
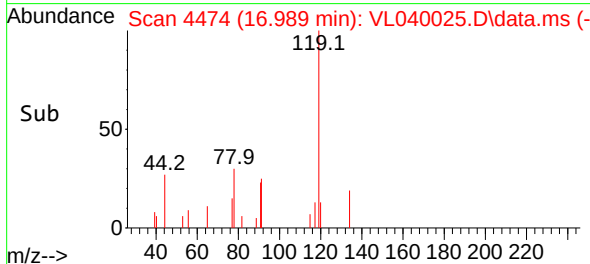
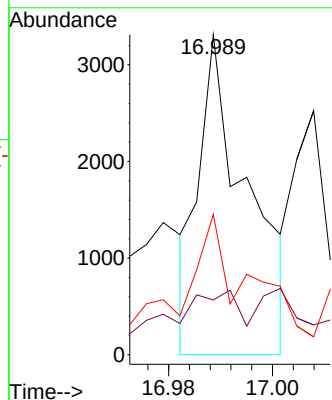
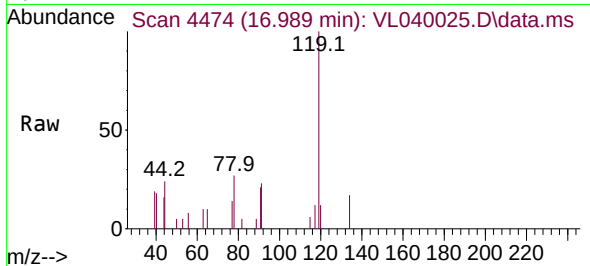




#69
p-Isopropyltoluene
Concen: 0.005 ppbv
RT: 16.989 min Scan# 4473
Delta R.T. 0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

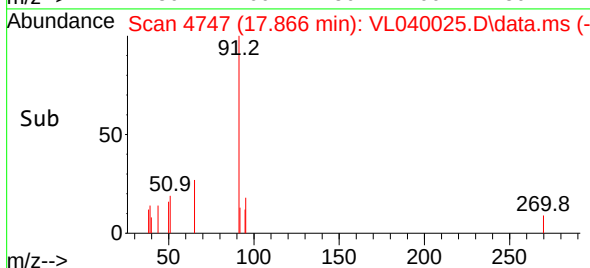
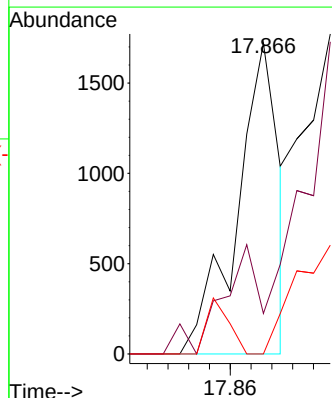
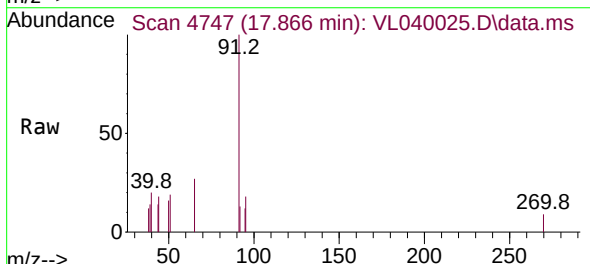
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

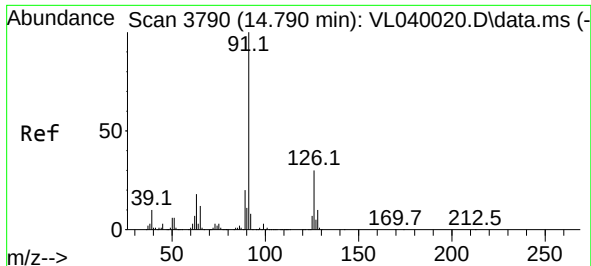
Tgt Ion: 119 Resp: 2150
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.4#
91 100.1 24.2 36.4#



#70
n-Butylbenzene
Concen: 0.002 ppbv
RT: 17.866 min Scan# 4747
Delta R.T. -0.007 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 91 Resp: 973
Ion Ratio Lower Upper
91 100
92 0.0 43.2 64.8#
134 0.0 17.4 26.2#

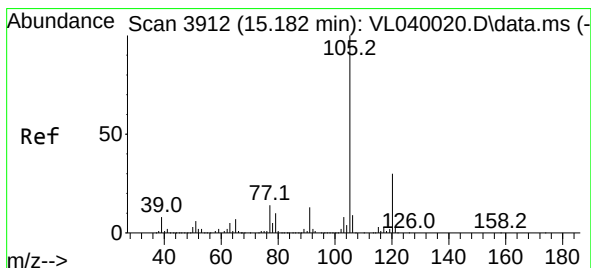
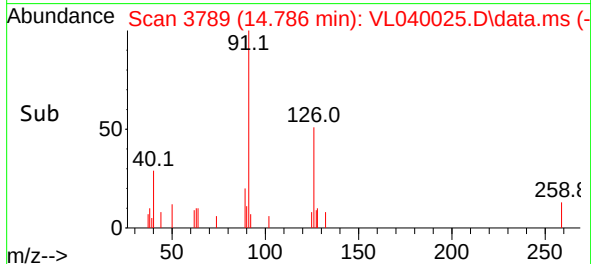
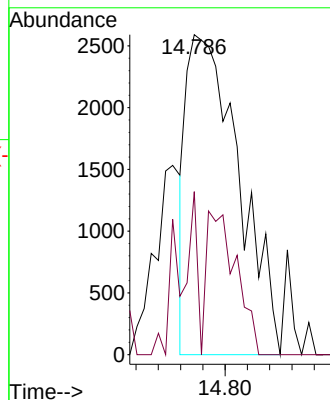
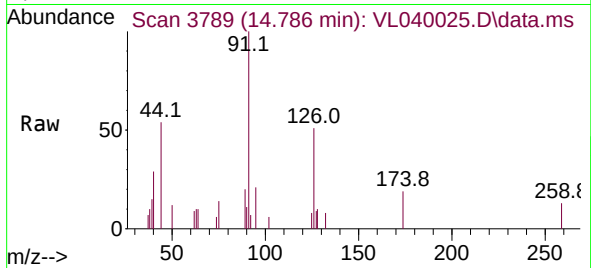




#71
2-Chlorotoluene
Concen: 0.014 ppbv
RT: 14.786 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

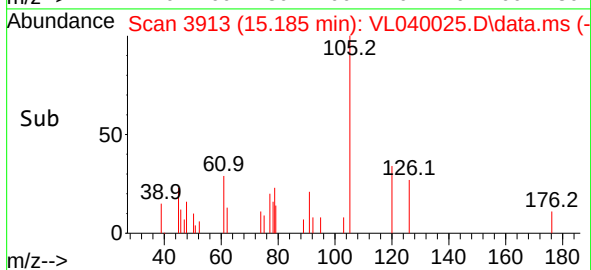
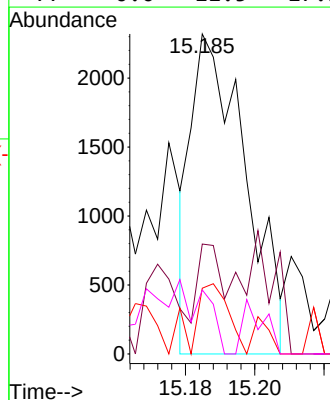
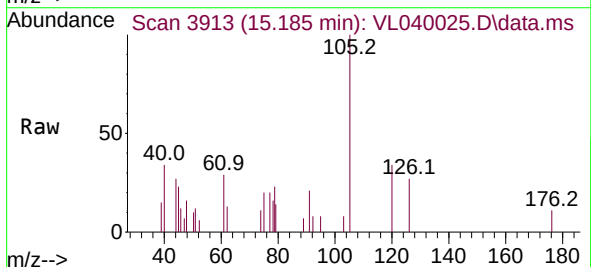
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

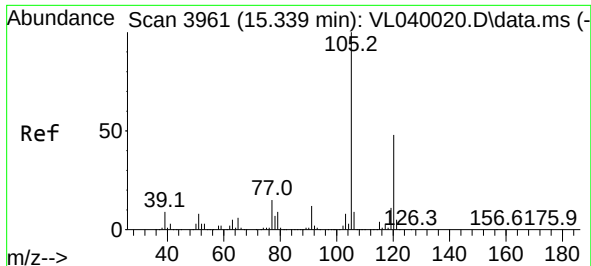
Tgt Ion: 91 Resp: 4245
Ion Ratio Lower Upper
91 100
126 43.5 12.1 48.5



#72
4-Ethyltoluene
Concen: 0.008 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion: 105 Resp: 2525
Ion Ratio Lower Upper
105 100
120 0.0 23.5 35.3#
91 31.2 10.5 15.7#
77 0.0 11.5 17.3#

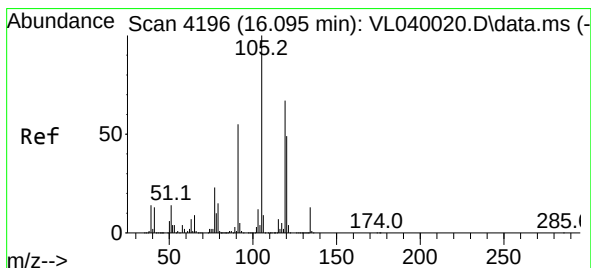
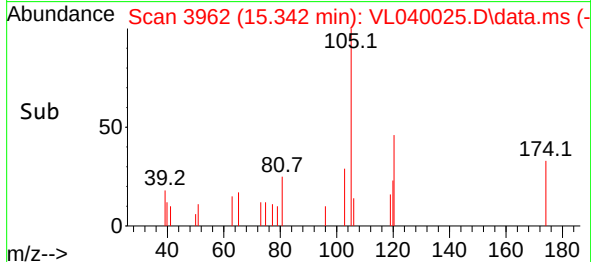
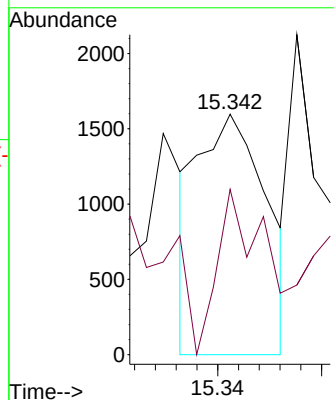
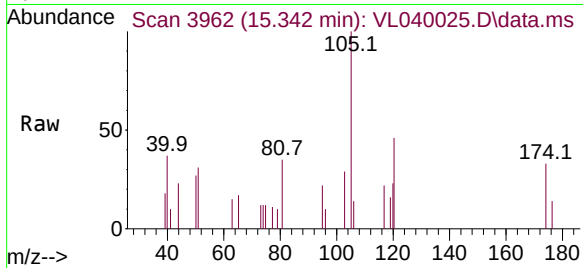




#73
 1,3,5-Trimethylbenzene
 Concen: 0.005 ppbv
 RT: 15.342 min Scan# 3962
 Delta R.T. 0.003 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

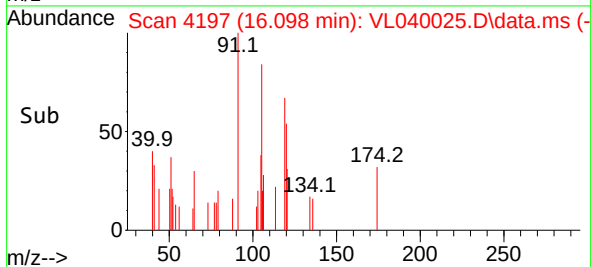
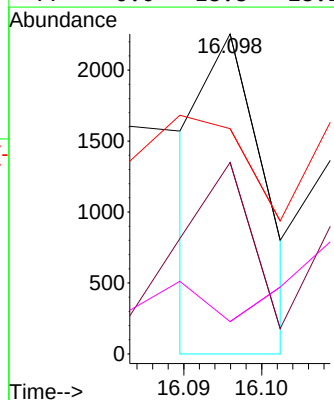
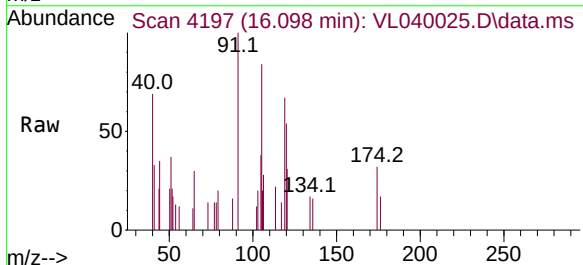
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

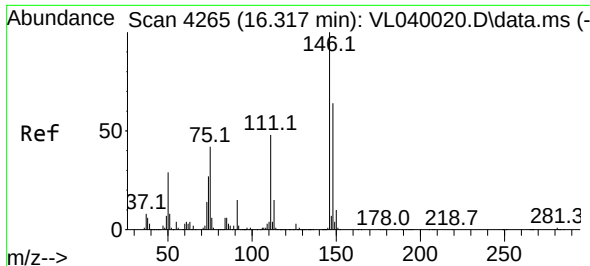
Tgt Ion:105 Resp: 1468
 Ion Ratio Lower Upper
 105 100
 120 91.3 38.4 57.6#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.002 ppbv
 RT: 16.098 min Scan# 4197
 Delta R.T. 0.003 min
 Lab File: VL040025.D
 Acq: 19 Dec 2022 12:43

Tgt Ion:105 Resp: 590
 Ion Ratio Lower Upper
 105 100
 120 80.5 39.3 58.9#
 91 44.7 44.2 66.4
 77 0.0 18.8 28.2#

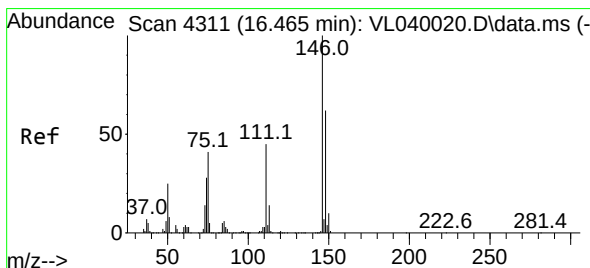
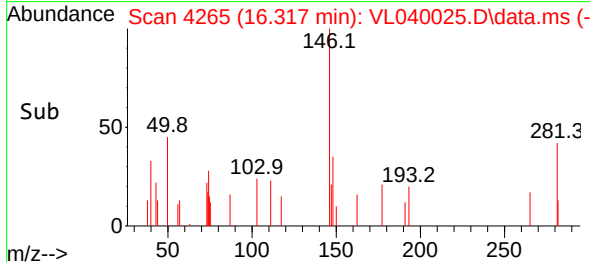
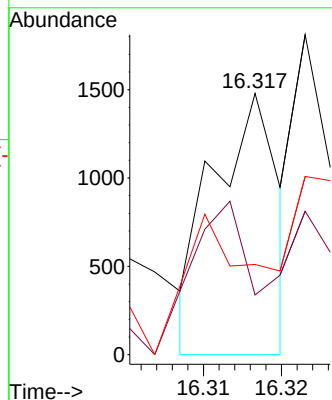
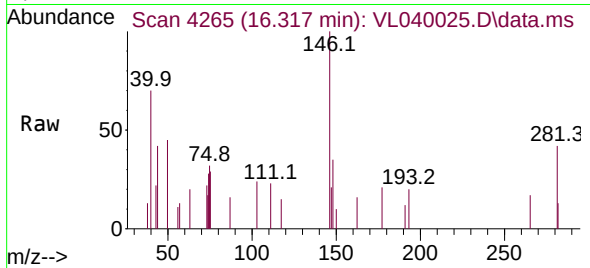




#75
1,3-Dichlorobenzene
Concen: 0.005 ppbv
RT: 16.317 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

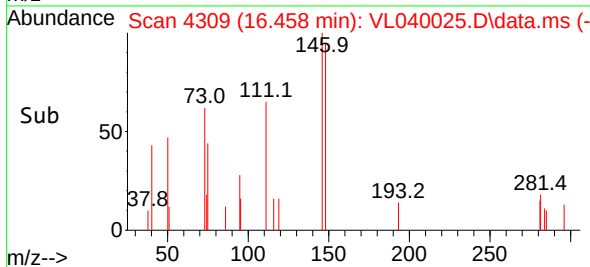
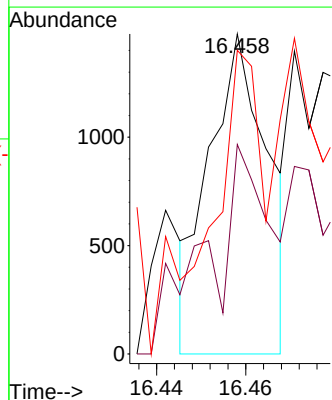
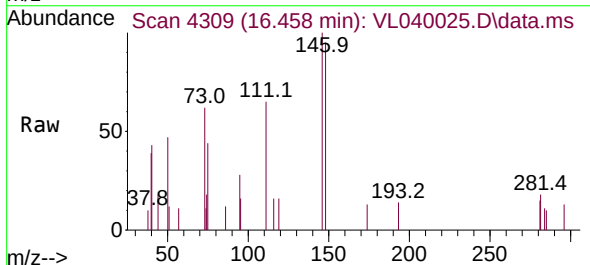
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

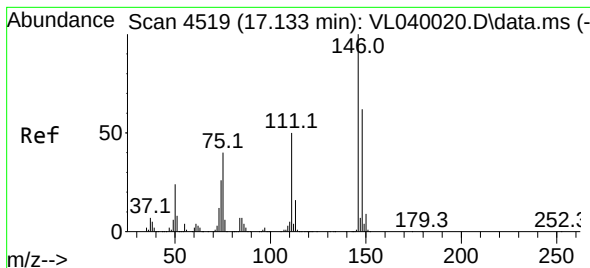
Tgt Ion:146 Resp: 862
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 0.0 32.0 96.2#



#76
1,4-Dichlorobenzene
Concen: 0.008 ppbv
RT: 16.458 min Scan# 4309
Delta R.T. -0.007 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion:146 Resp: 1340
Ion Ratio Lower Upper
146 100
111 154.0 23.4 70.2#
148 0.0 32.0 96.2#





#77

1,2-Dichlorobenzene

Concen: 0.012 ppbv

RT: 17.133 min Scan# 4519

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

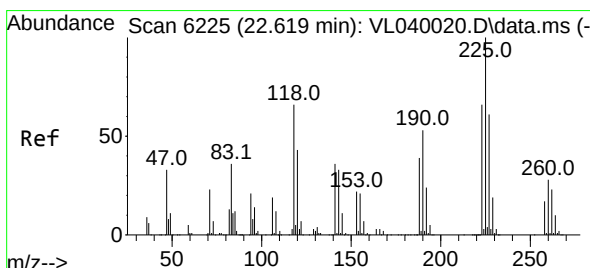
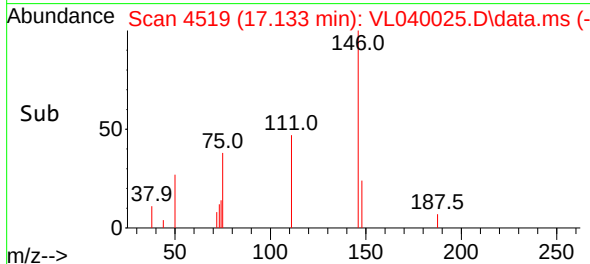
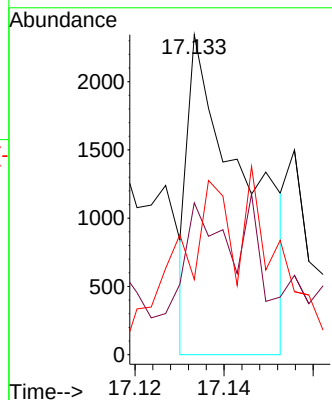
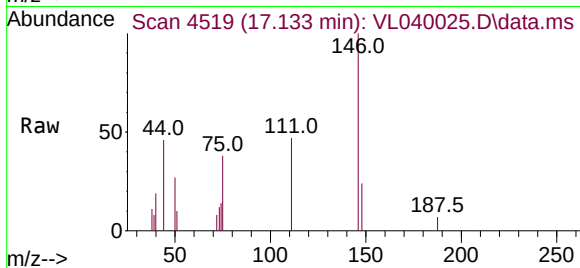
Tgt Ion:146 Resp: 2061

Ion Ratio Lower Upper

146 100

111 0.0 25.3 75.9#

148 0.0 31.9 95.9#



#78

Hexachloro-1,3-Butadiene

Concen: 0.012 ppbv

RT: 22.619 min Scan# 6225

Delta R.T. -0.000 min

Lab File: VL040025.D

Acq: 19 Dec 2022 12:43

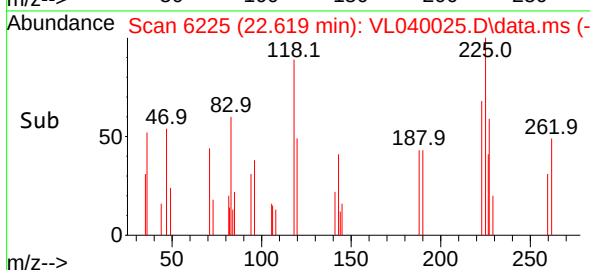
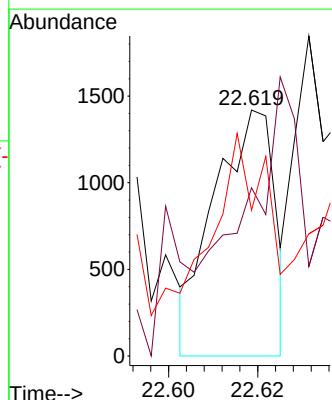
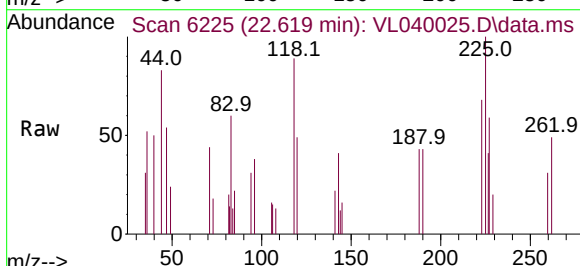
Tgt Ion:225 Resp: 1337

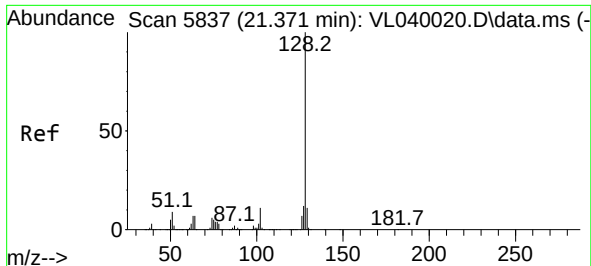
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 241.4 0.0 0.0#

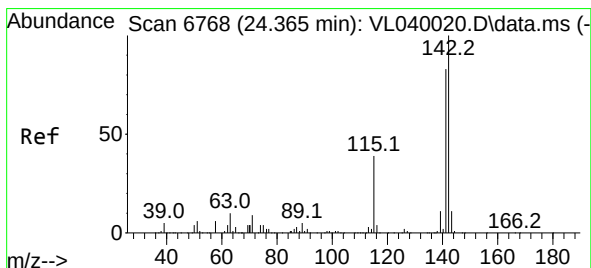
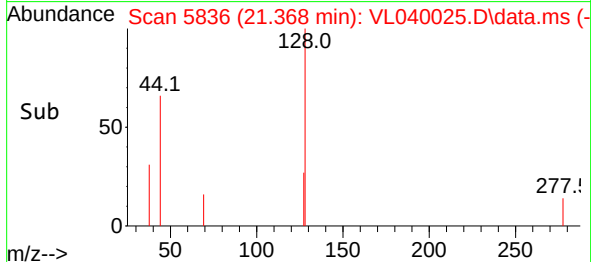
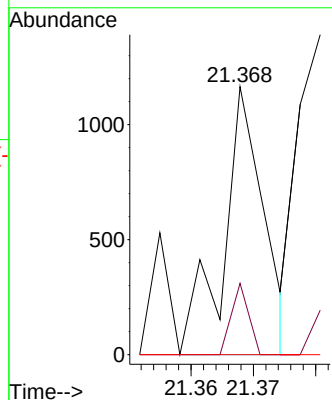
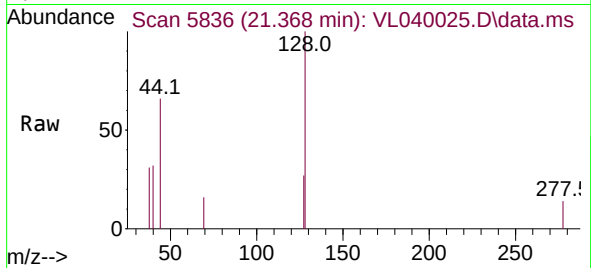




#79
Naphthalene
Concen: 0.003 ppbv
RT: 21.368 min Scan# 5836
Delta R.T. -0.003 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

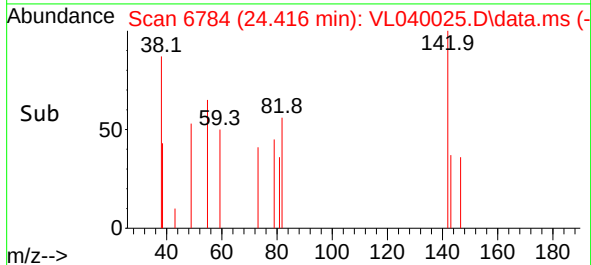
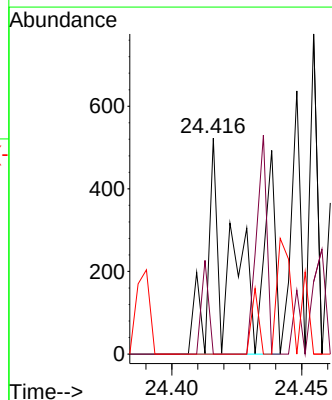
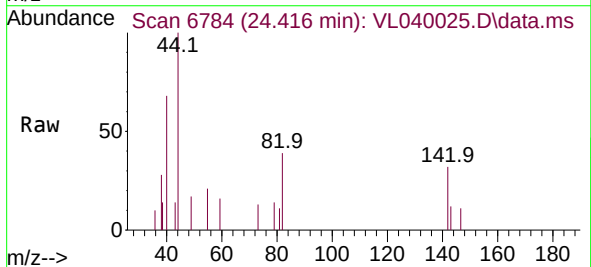
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

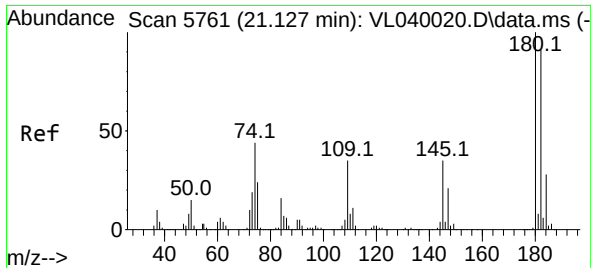
Tgt Ion:128 Resp: 523
Ion Ratio Lower Upper
128 100
127 26.6 10.0 15.0#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.008 ppbv
RT: 24.416 min Scan# 6784
Delta R.T. 0.051 min
Lab File: VL040025.D
Acq: 19 Dec 2022 12:43

Tgt Ion:142 Resp: 435
Ion Ratio Lower Upper
142 100
141 0.0 65.3 97.9#
115 6.7 31.9 47.9#





#81

1,2,4-Trichlorobenzene

Concen: 0.002 ppbv

RT: 21.123 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL040025.D

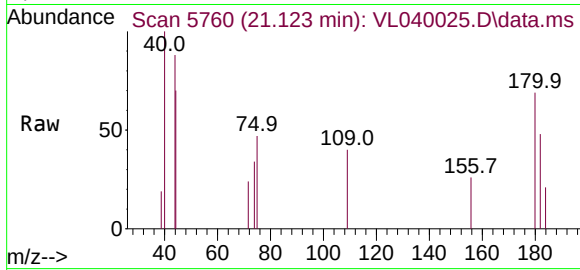
Acq: 19 Dec 2022 12:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



Tgt Ion:180 Resp: 261

Ion Ratio Lower Upper

180 100

182 0.0 76.6 115.0#

184 0.0 24.9 37.3#

