

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040919.D
 Acq On : 20 Dec 2023 14:17
 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 21 07:11:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1249503	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3035543	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2603299	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1934033	10.086	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.867	85	5375	0.023	ppbv	92
3) Chlorodifluoromethane	2.687	51	5286	0.028	ppbv #	74
4) Chloromethane	2.800	50	83	0.001	ppbv #	40
5) Vinyl Chloride	2.919	62	111	0.002	ppbv #	76
6) Bromomethane	3.121	94	250	0.008	ppbv #	78
7) Chloroethane	3.189	64	32	0.001	ppbv #	43
8) Dichlorotetrafluoroethane	2.867	85	5375	0.031	ppbv	84
9) Propene	2.703	41	1083	0.017	ppbv #	1
10) Heptane	7.571	43	441	0.003	ppbv #	28
11) Trichlorofluoromethane	3.546	101	107	0.001	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	1241	0.009	ppbv #	15
13) Ethanol	3.243	45	178	0.013	ppbv #	37
14) Bromoethene	3.365	108	742	0.014	ppbv #	1
15) Acetone	3.446	43	354	0.002	ppbv #	49
16) 1,3-Butadiene	2.983	39	770	0.012	ppbv #	9
17) tert-Butyl alcohol	3.896	59	179	0.002	ppbv #	72
18) 1,1-Dichloroethene	3.880	96	1059	0.018	ppbv #	17
19) Isopropyl Alcohol	3.565	45	100	0.001	ppbv #	95
20) Methylene Chloride	3.931	84	4174	0.077	ppbv	86
21) Allyl Chloride	3.992	41	1551	0.018	ppbv #	22
22) trans-1,2-Dichloroethene	4.439	96	980	0.014	ppbv #	57
23) Vinyl Acetate	4.619	43	668	0.004	ppbv #	62
24) 1,1-Dichloroethane	4.558	63	1421	0.010	ppbv #	89
25) Ethyl Acetate	5.185	43	185	0.001	ppbv #	1
26) Hexane	5.205	57	2630	0.023	ppbv #	1
27) Carbon Disulfide	4.118	76	1974	0.013	ppbv #	59
28) Methyl tert-Butyl Ether	4.388	73	141	0.001	ppbv	94
29) Chloroform	5.262	83	3642	0.019	ppbv #	80
30) Cyclohexane	6.584	84	898	0.009	ppbv #	1
31) cis-1,2-Dichloroethene	5.073	61	1680	0.014	ppbv #	51
32) 1,1,1-Trichloroethane	5.996	97	3961	0.021	ppbv #	53
34) 2-Butanone	4.764	43	125	0.001	ppbv #	54
35) Carbon Tetrachloride	6.465	117	774	0.004	ppbv #	69
36) Benzene	6.356	78	3910	0.016	ppbv #	50
37) 1,2-Dichloroethane	5.799	62	3574	0.025	ppbv #	97
38) Trichloroethene	7.272	130	1024	0.011	ppbv #	29
39) 1,2-Dichloropropane	6.639	63	772965	8.266	ppbv #	24
40) 1,4-Dioxane	7.256	88	59	0.002	ppbv #	1
41) Tetrahydrofuran	5.562	42	172	0.002	ppbv #	2
42) Bromodichloromethane	7.230	83	1748	0.009	ppbv #	42
43) Methyl Methacrylate	7.459	69	269	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	7.314	57	4037	0.010	ppbv #	41
45) t-1,3-Dichloropropene	8.687	75	575	0.008	ppbv #	79

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

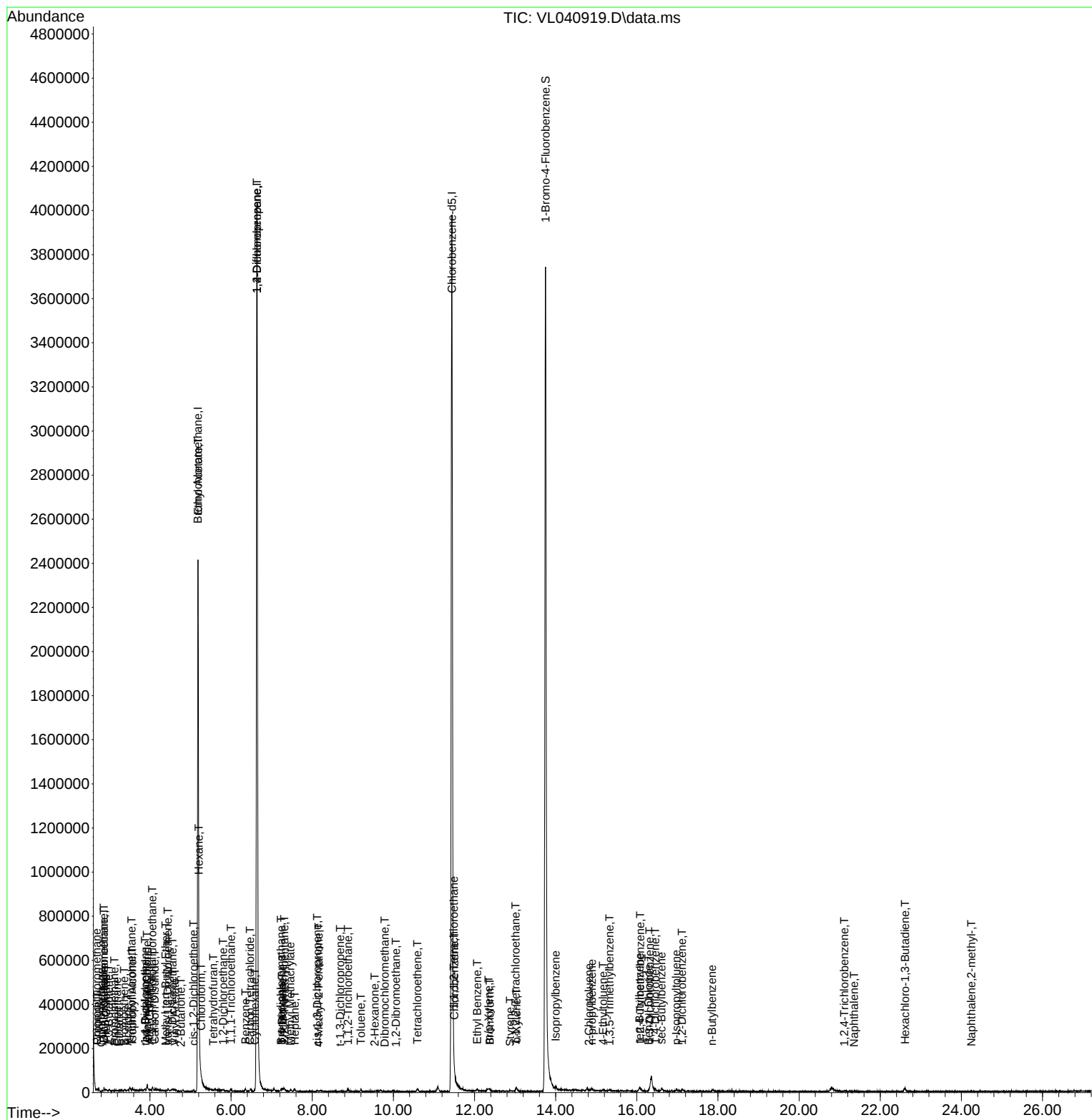
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	998	0.012	ppbv #	62
47) 1,1,2-Trichloroethane	8.880	97	928	0.009	ppbv #	39
48) Dibromochloromethane	9.786	129	116	0.001	ppbv	56
49) Bromoform	12.381	173	956	0.007	ppbv #	27
50) 4-Methyl-2-Pentanone	8.163	43	186	0.001	ppbv #	40
51) 2-Hexanone	9.542	43	179	0.001	ppbv #	30
52) Tetrachloroethene	10.593	164	335	0.004	ppbv #	64
53) Toluene	9.198	91	3204	0.012	ppbv #	20
54) 1,2-Dibromoethane	10.063	107	30	0.000	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.491	131	1174	0.010	ppbv #	1
57) Chlorobenzene	11.500	112	2076	0.011	ppbv #	32
58) Ethyl Benzene	12.066	91	3297	0.010	ppbv #	85
59) m/p-Xylene	12.349	91	1534	0.005	ppbv #	100
60) o-Xylene	13.037	91	1296	0.005	ppbv #	31
61) Styrene	12.876	104	530	0.004	ppbv #	1
62) Isopropylbenzene	13.998	105	6642	0.017	ppbv #	60
63) 1,1,2,2-Tetrachloroethane	13.015	83	2249	0.012	ppbv #	24
64) n-propylbenzene	14.892	120	235	0.002	ppbv #	1
65) tert-Butylbenzene	16.066	119	2981	0.009	ppbv #	17
66) Benzyl Chloride	16.291	91	225	0.010	ppbv #	66
67) sec-Butylbenzene	16.606	105	3043	0.006	ppbv #	69
69) p-Isopropyltoluene	16.973	119	3369	0.009	ppbv #	21
70) n-Butylbenzene	17.854	91	1022	0.003	ppbv #	14
71) 2-Chlorotoluene	14.822	91	271	0.001	ppbv	88
72) 4-Ethyltoluene	15.169	105	1502	0.005	ppbv #	45
73) 1,3,5-Trimethylbenzene	15.323	105	1684	0.007	ppbv #	67
74) 1,2,4-Trimethylbenzene	16.085	105	2599	0.009	ppbv #	65
75) 1,3-Dichlorobenzene	16.310	146	2321	0.014	ppbv #	26
76) 1,4-Dichlorobenzene	16.452	146	1183	0.007	ppbv #	22
77) 1,2-Dichlorobenzene	17.114	146	570	0.004	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.612	225	498	0.005	ppbv #	1
79) Naphthalene	21.355	128	118	0.001	ppbv #	69
80) Naphthalene,2-methyl-	24.246	142	76	0.003	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.117	180	330	0.004	ppbv #	11

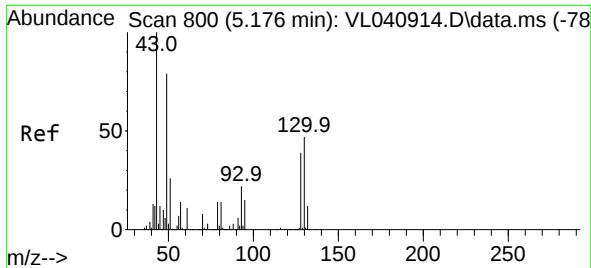
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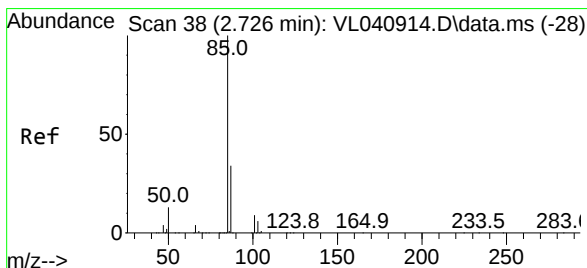
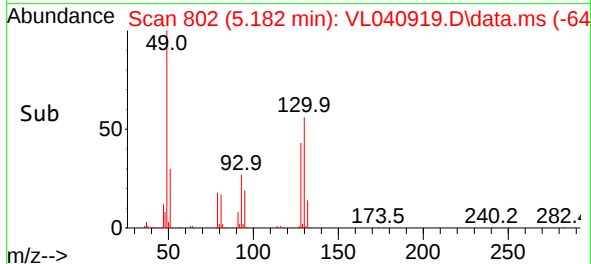
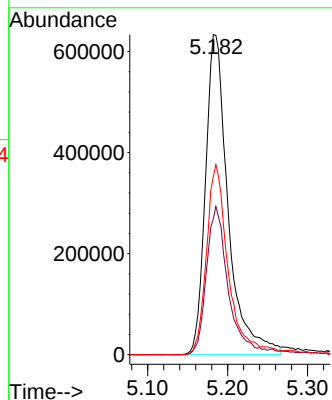
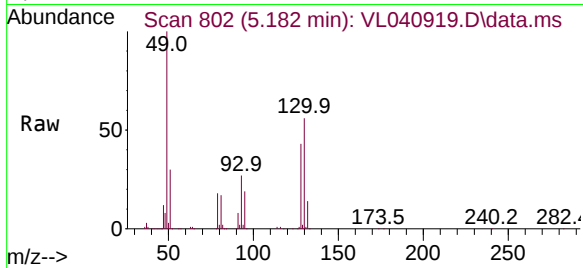




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

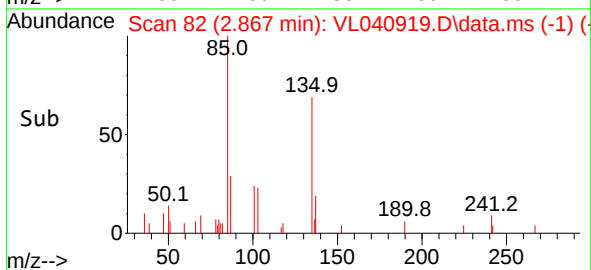
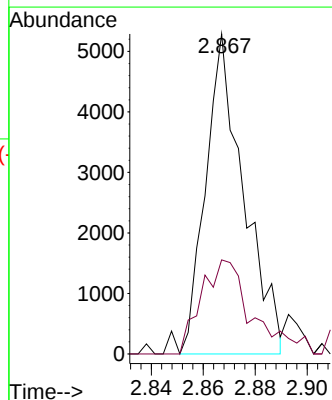
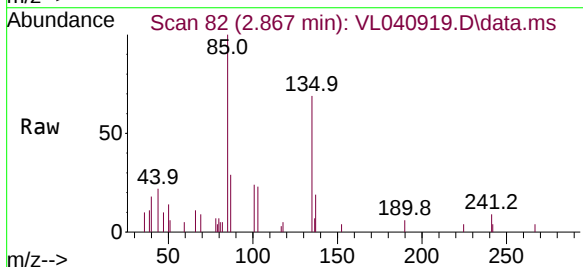
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MSVOA_L
ClientSampleId :
VSTDICC0.03

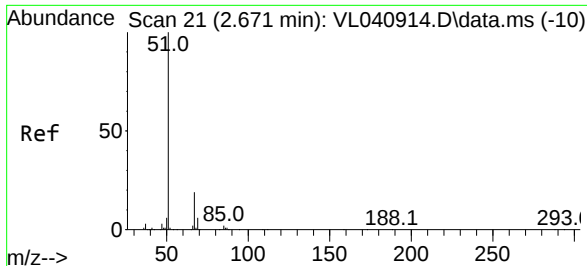
Tgt Ion: 49 Resp: 1249503
Ion Ratio Lower Upper
49 100
128 46.9 23.8 71.2
130 58.4 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.023 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.142 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 85 Resp: 5375
Ion Ratio Lower Upper
85 100
87 29.4 27.0 40.6

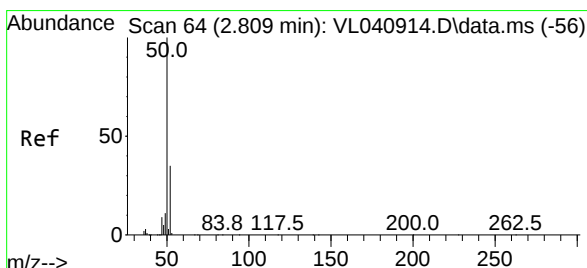
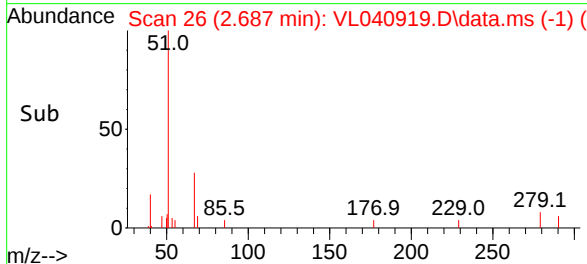
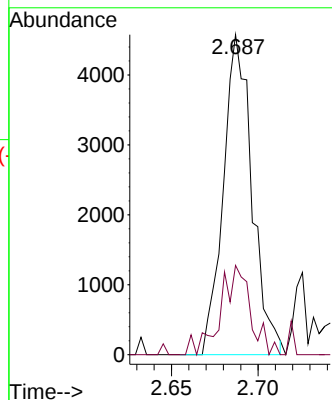
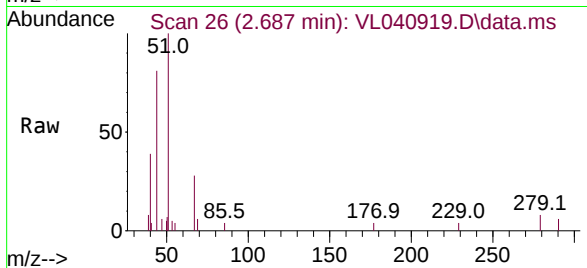




#3
Chlorodifluoromethane
Concen: 0.028 ppbv
RT: 2.687 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

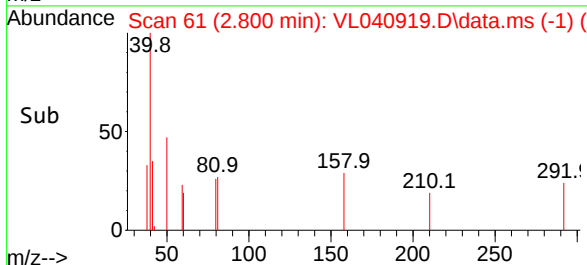
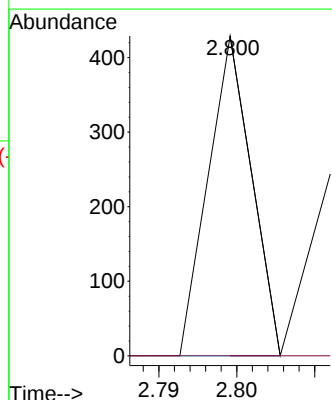
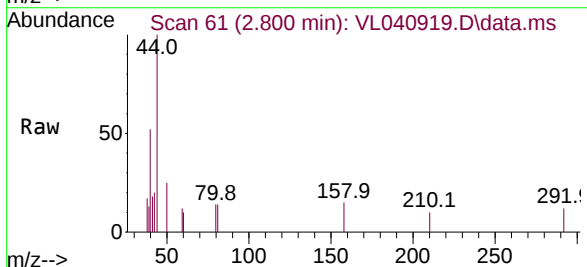
Instrument :
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ClientSampleId :
VSTDIC0.03

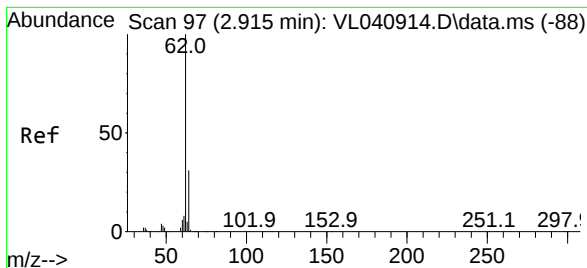
Tgt Ion: 51 Resp: 5286
Ion Ratio Lower Upper
51 100
67 30.1 14.7 22.1#



#4
Chloromethane
Concen: 0.001 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 50 Resp: 83
Ion Ratio Lower Upper
50 100
52 0.0 28.0 42.0#

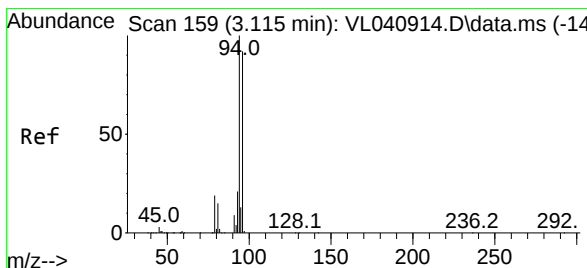
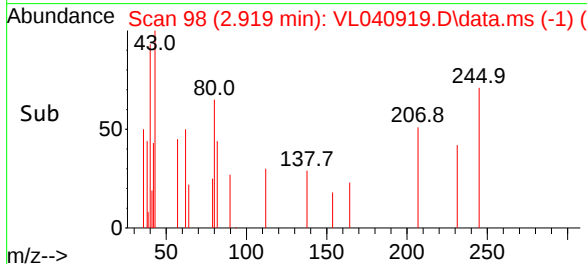
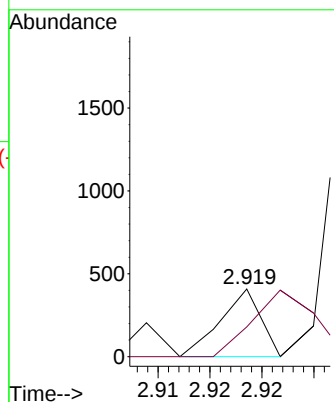
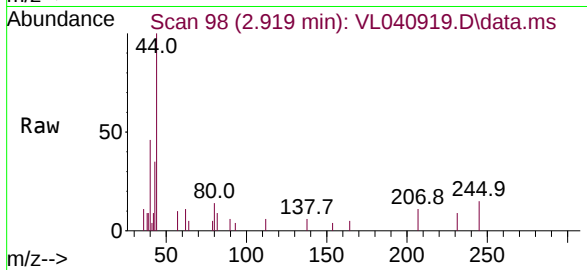




#5
 Vinyl Chloride
 Concen: 0.002 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

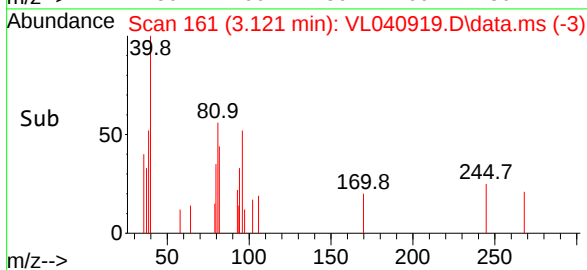
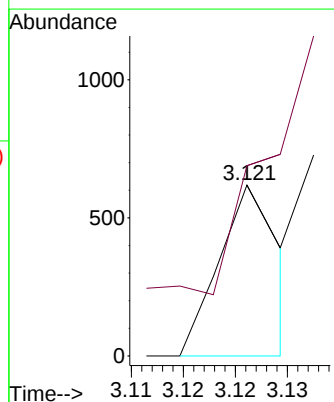
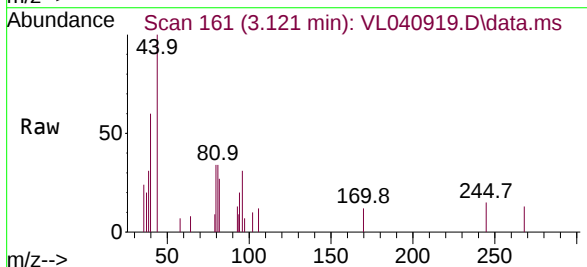
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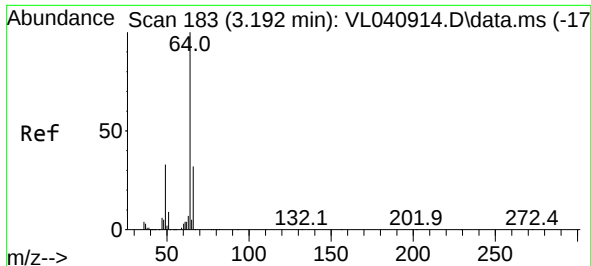
Tgt Ion: 62 Resp: 111
 Ion Ratio Lower Upper
 62 100
 64 44.1 24.9 37.3#



#6
 Bromomethane
 Concen: 0.008 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.006 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

Tgt Ion: 94 Resp: 250
 Ion Ratio Lower Upper
 94 100
 96 70.4 73.2 109.8#

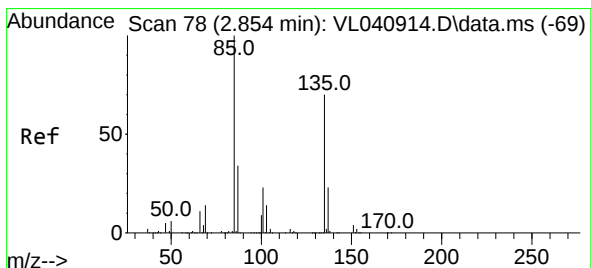
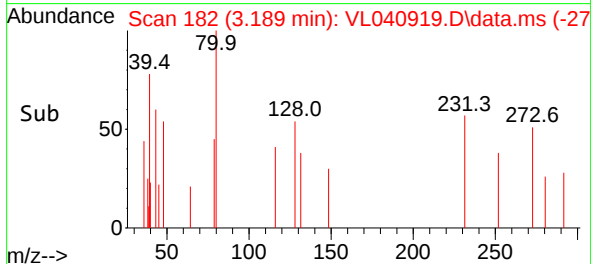
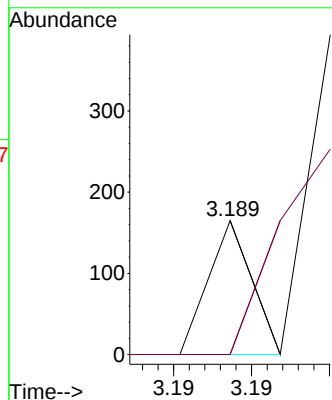
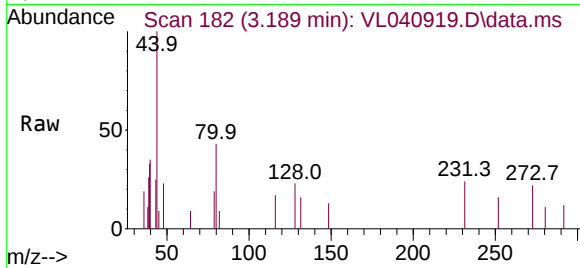




#7
Chloroethane
Concen: 0.001 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

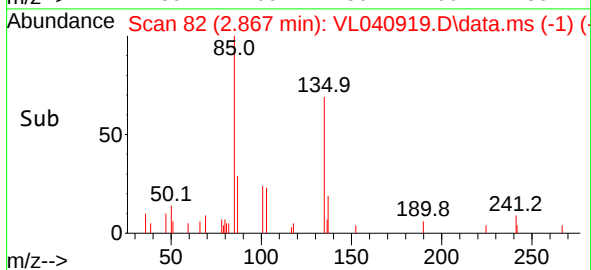
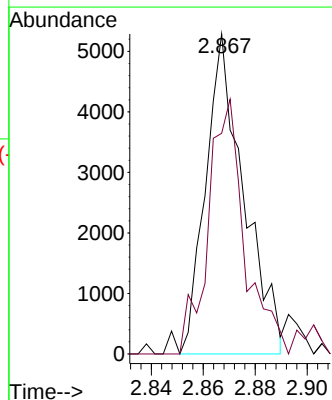
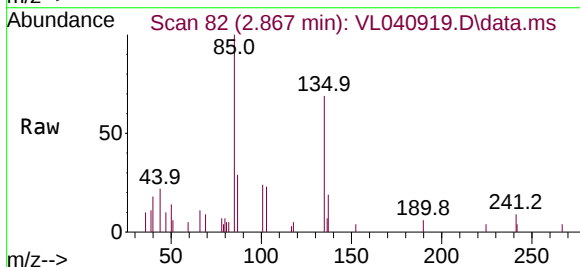
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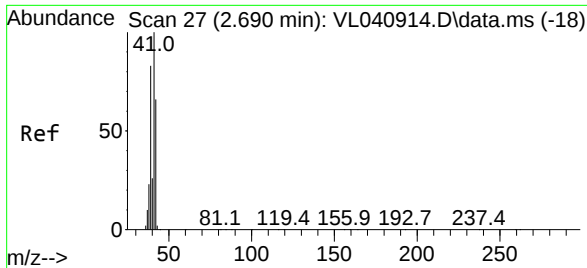
Tgt Ion: 64 Resp: 32
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 85 Resp: 5375
Ion Ratio Lower Upper
85 100
135 82.8 55.8 83.8

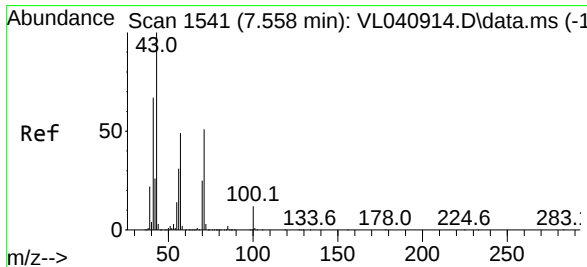
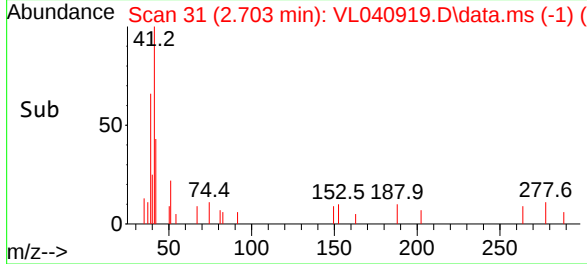
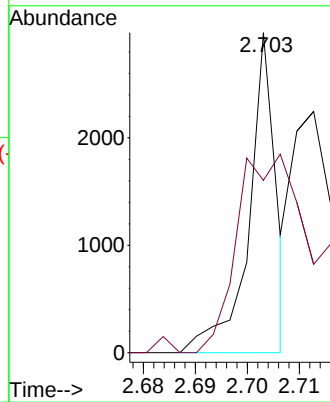
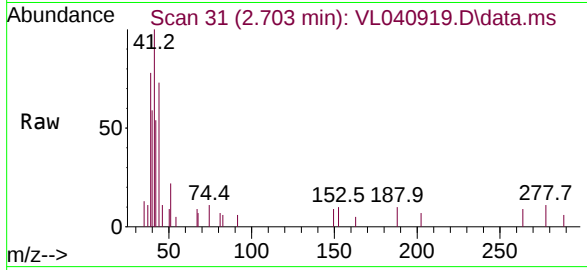




#9
Propene
Concen: 0.017 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

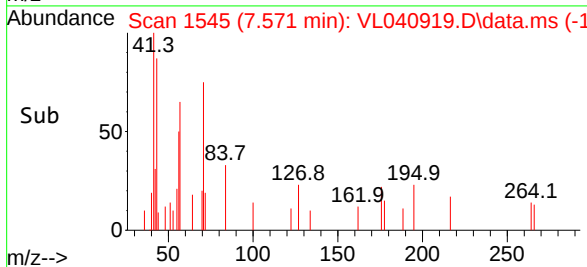
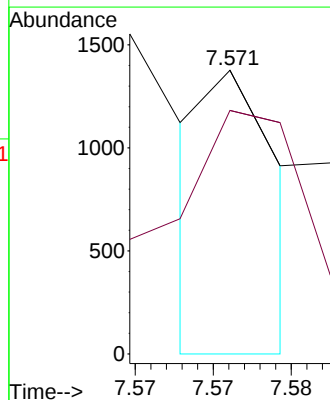
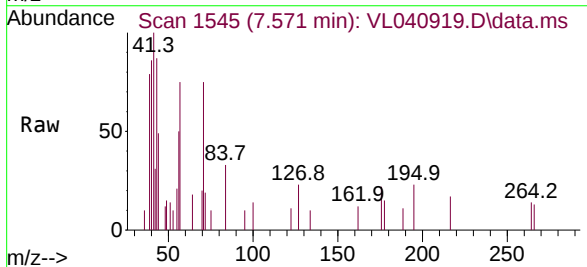
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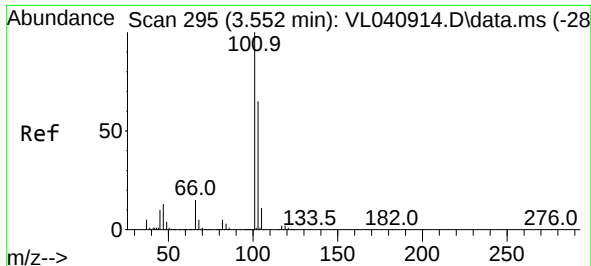
Tgt Ion: 41 Resp: 1083
Ion Ratio Lower Upper
41 100
42 239.2 55.8 83.6#



#10
Heptane
Concen: 0.003 ppbv
RT: 7.571 min Scan# 1545
Delta R.T. 0.013 min
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Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
57 0.0 39.3 58.9#

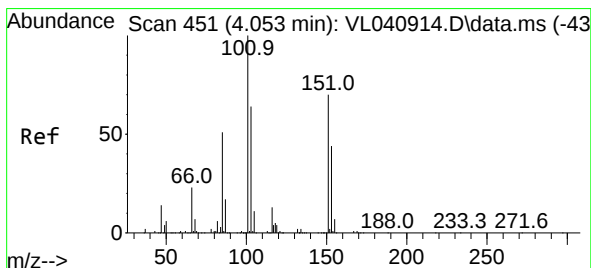
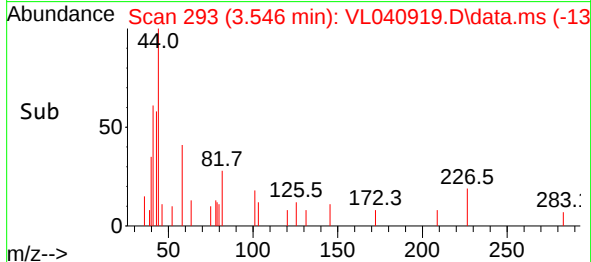
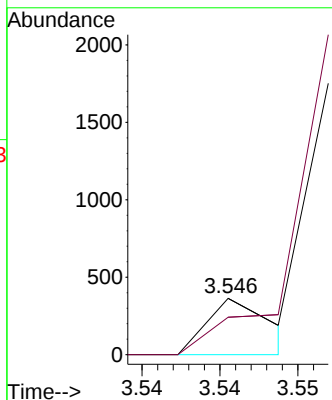
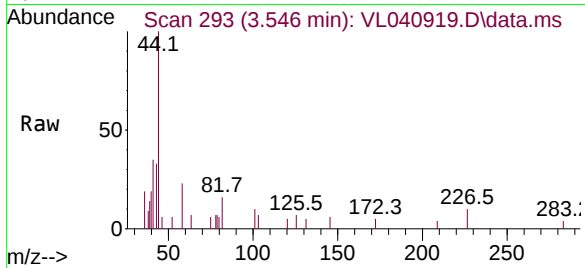




#11
 Trichlorofluoromethane
 Concen: 0.001 ppbv
 RT: 3.546 min Scan# 295
 Delta R.T. -0.006 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

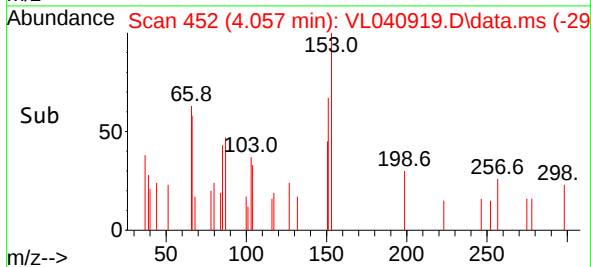
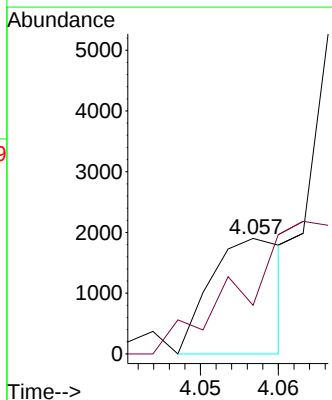
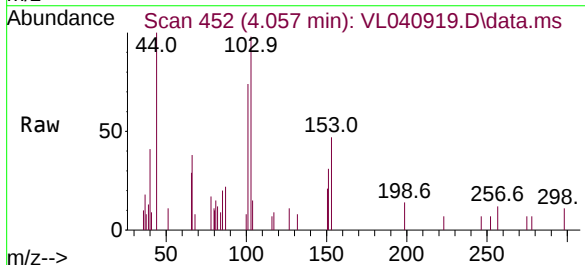
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

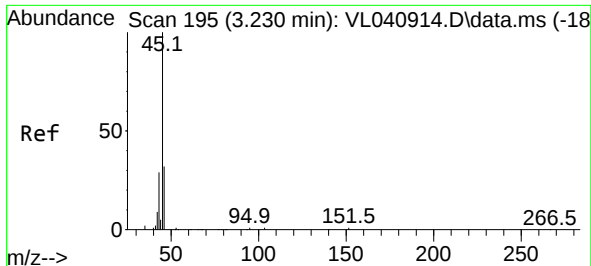
Tgt Ion:101 Resp: 107
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.009 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.003 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

Tgt Ion:101 Resp: 1241
 Ion Ratio Lower Upper
 101 100
 151 0.0 55.8 83.8#

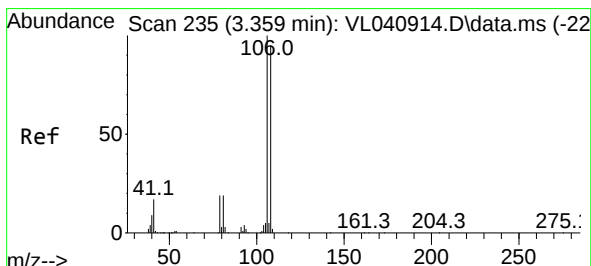
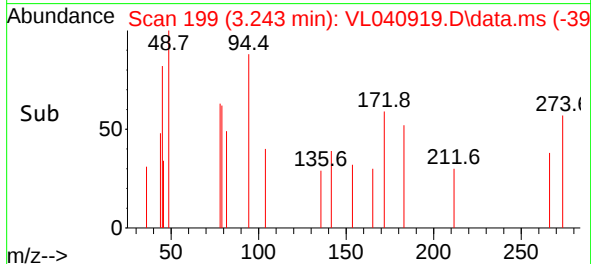
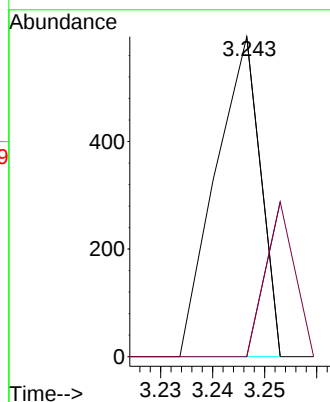
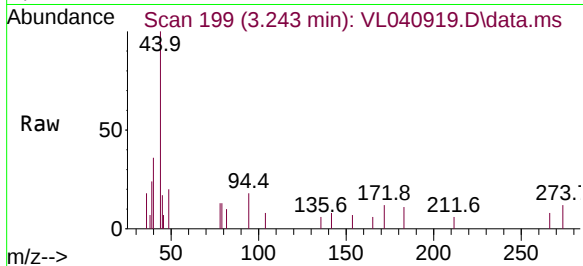




#13
Ethanol
Concen: 0.013 ppbv
RT: 3.243 min Scan# 199
Delta R.T. 0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

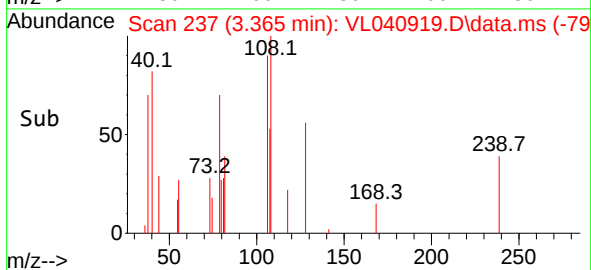
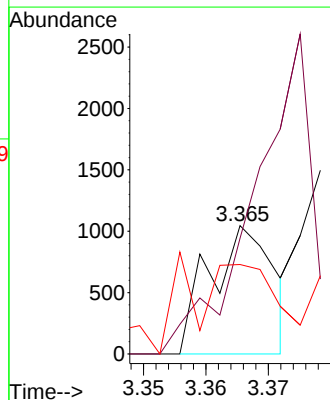
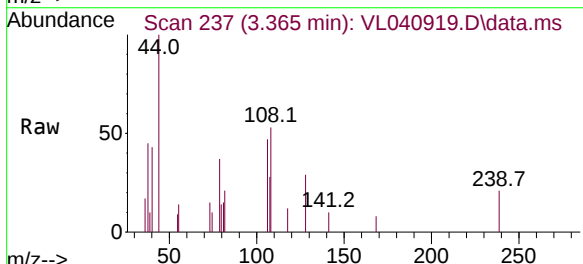
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

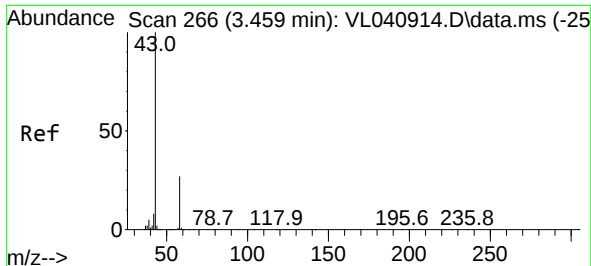
Tgt Ion: 45 Resp: 178
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#



#14
Bromoethene
Concen: 0.014 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 108 Resp: 742
Ion Ratio Lower Upper
108 100
106 0.0 87.5 131.3#
79 210.2 16.6 24.8#

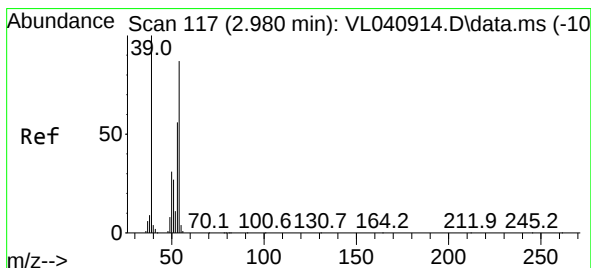
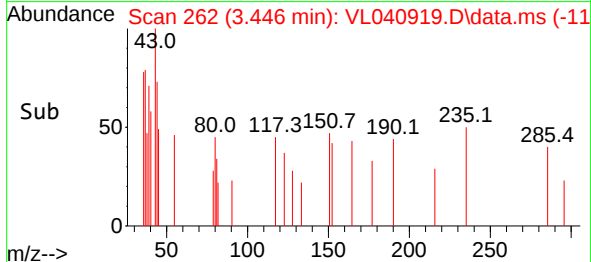
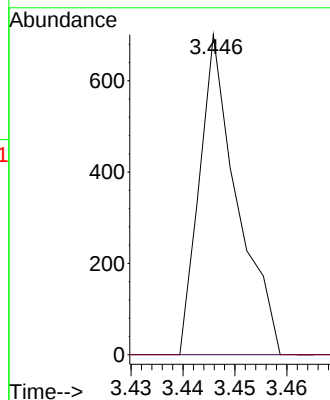
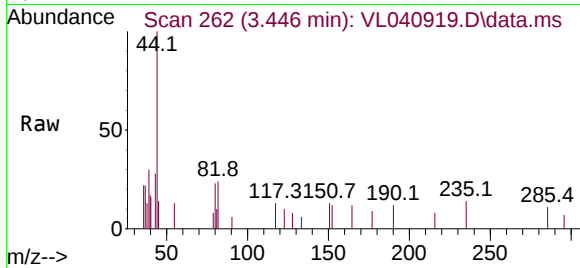




#15
Acetone
Concen: 0.002 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.013 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

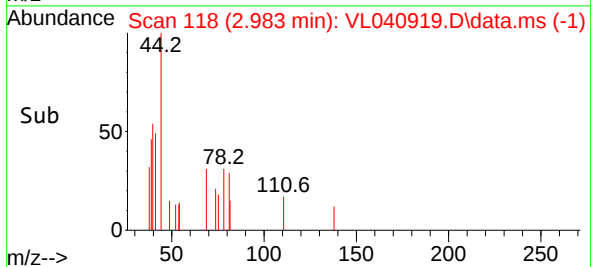
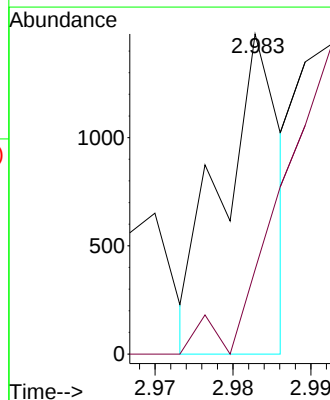
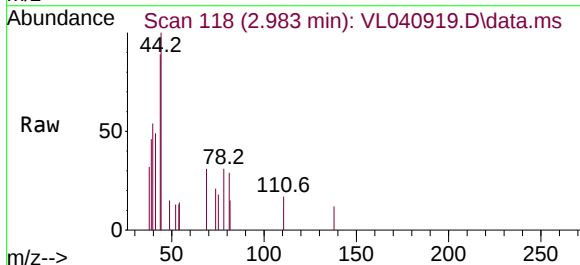
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

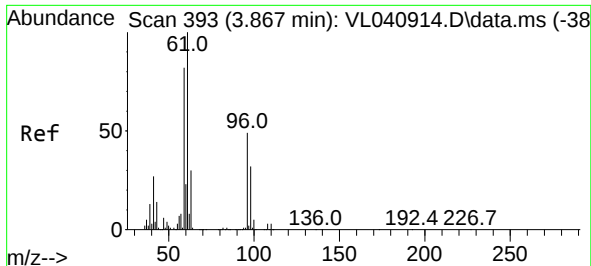
Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
58 0.0 20.6 30.8#



#16
1,3-Butadiene
Concen: 0.012 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 39 Resp: 770
Ion Ratio Lower Upper
39 100
54 0.0 63.8 95.6#





#17

tert-Butyl alcohol

Concen: 0.002 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.029 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_1

ClientSampleId :

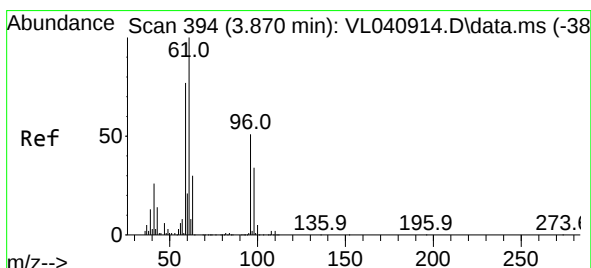
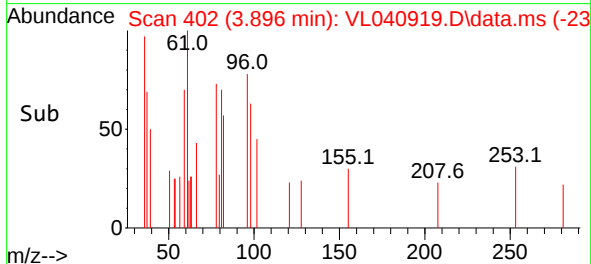
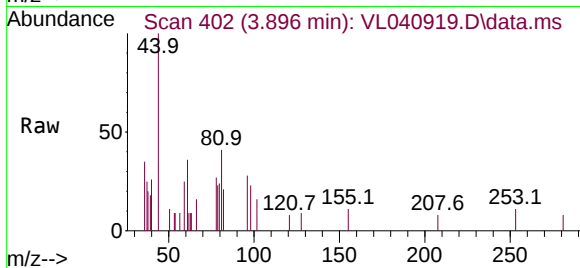
VSTDIC0.03

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.018 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.010 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

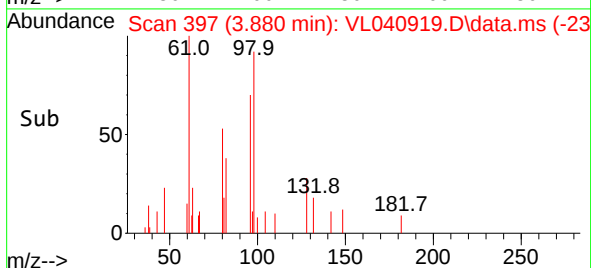
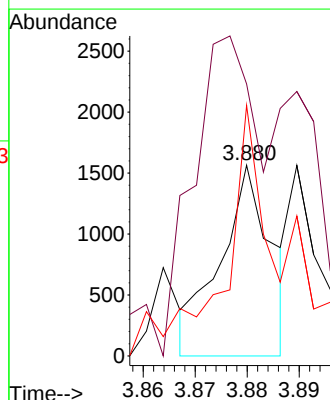
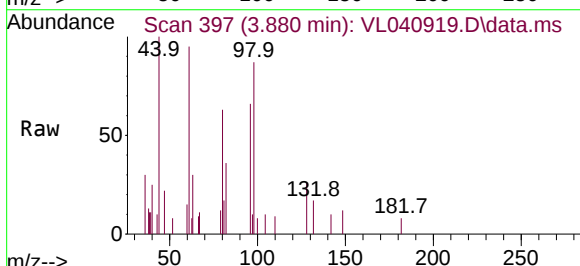
Tgt Ion: 96 Resp: 1059

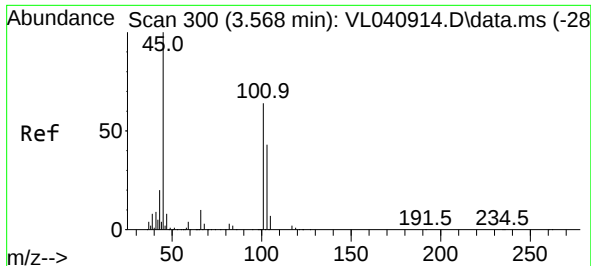
Ion Ratio Lower Upper

96 100

61 77.0 156.6 235.0#

98 140.4 52.5 78.7#

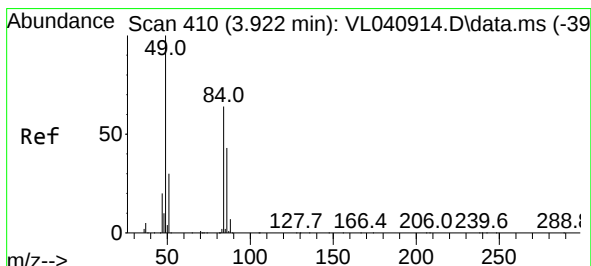
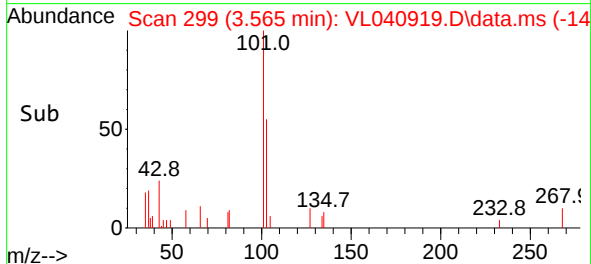
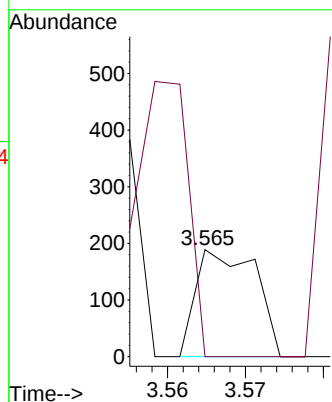
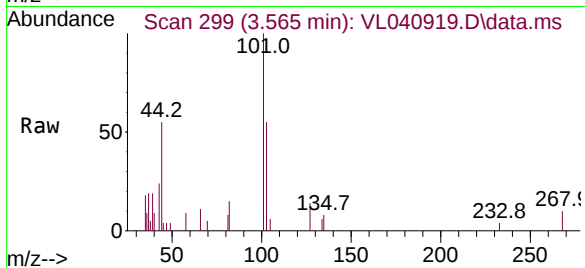




#19
Isopropyl Alcohol
Concen: 0.001 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

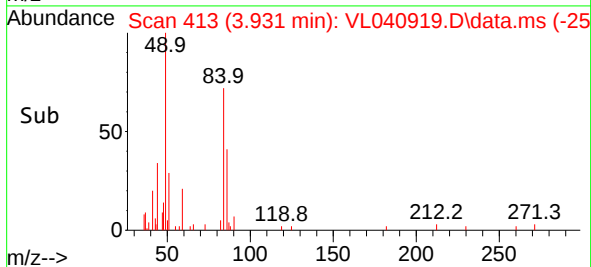
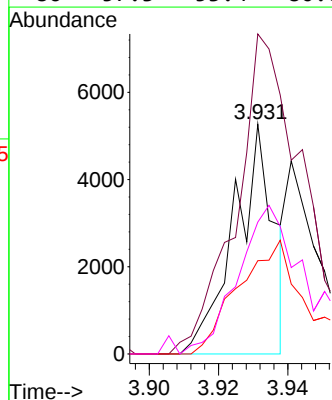
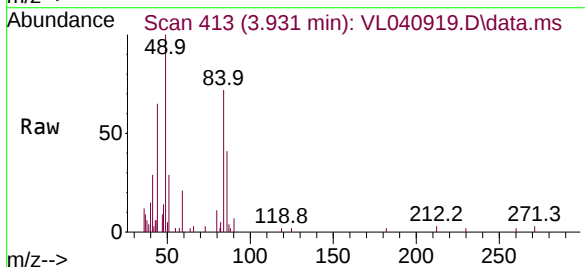
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

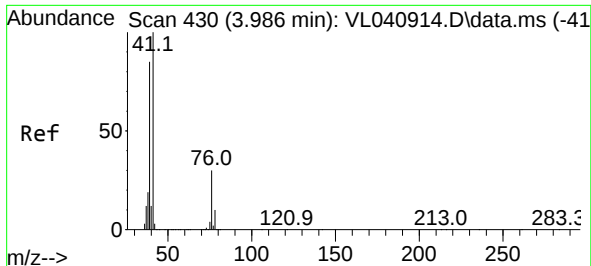
Tgt Ion: 45 Resp: 100
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#



#20
Methylene Chloride
Concen: 0.077 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 84 Resp: 4174
Ion Ratio Lower Upper
84 100
49 134.2 124.6 187.0
51 40.6 37.2 55.8
86 57.3 53.4 80.0





#21

Allyl Chloride

Concen: 0.018 ppbv

RT: 3.992 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

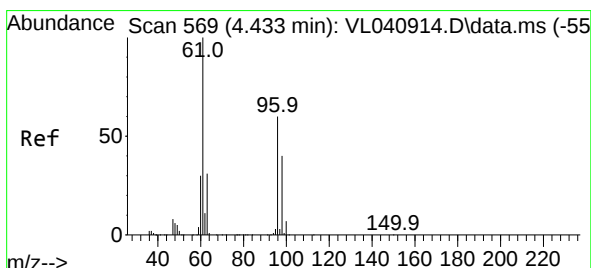
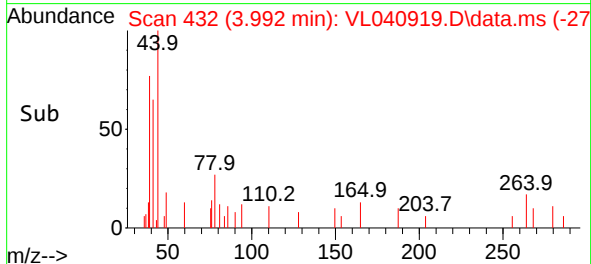
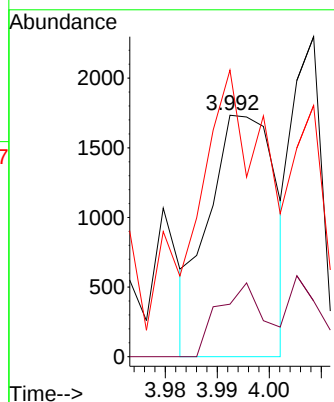
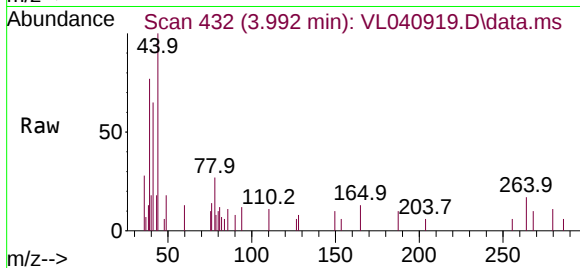
Tgt Ion: 41 Resp: 1551

Ion Ratio Lower Upper

41 100

76 0.0 23.9 35.9#

39 160.4 66.5 99.7#



#22

trans-1,2-Dichloroethene

Concen: 0.014 ppbv

RT: 4.439 min Scan# 571

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

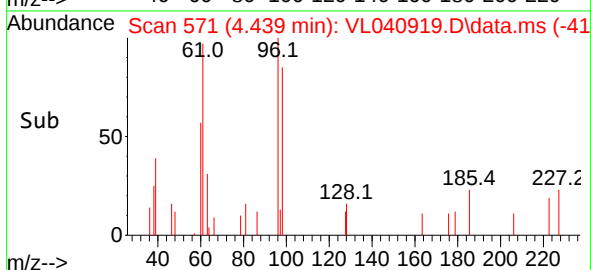
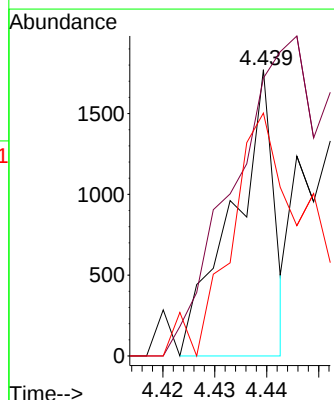
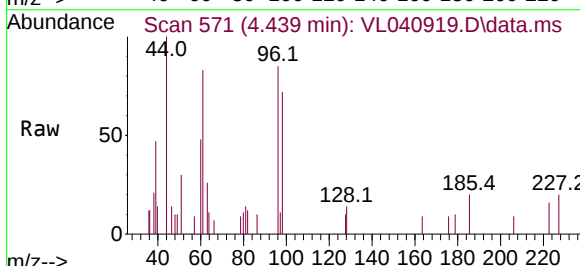
Tgt Ion: 96 Resp: 980

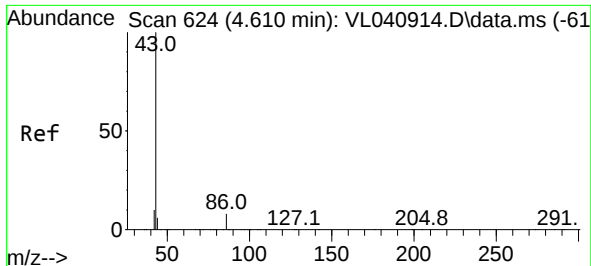
Ion Ratio Lower Upper

96 100

61 86.8 133.0 199.6#

98 69.6 53.7 80.5



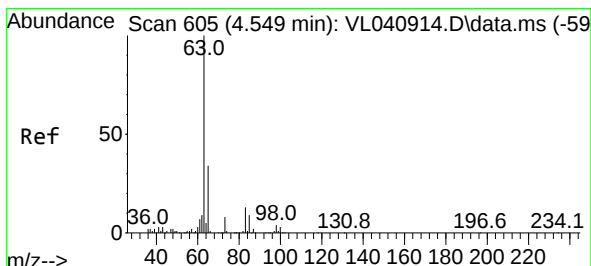
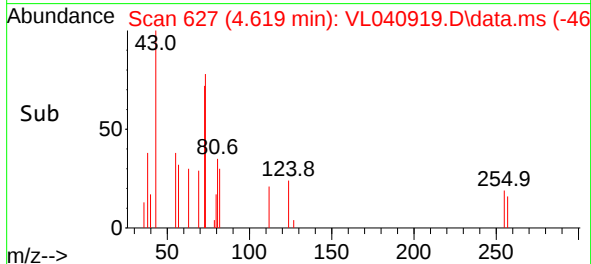
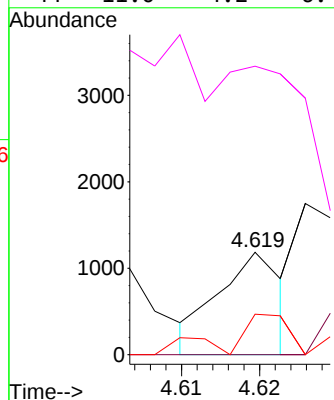
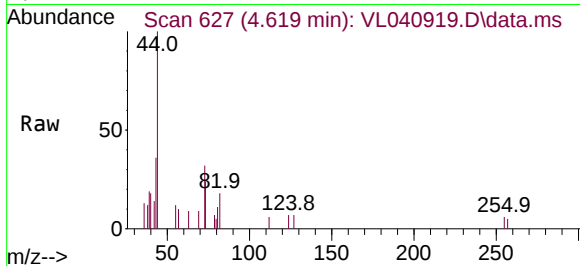


#23
Vinyl Acetate
Concen: 0.004 ppbv
RT: 4.619 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 668

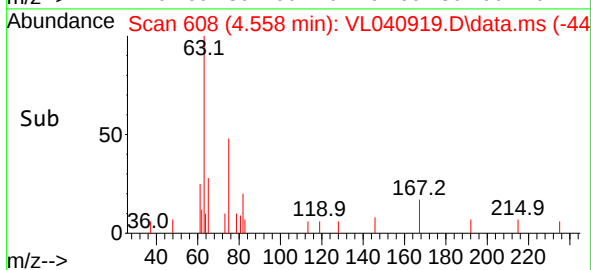
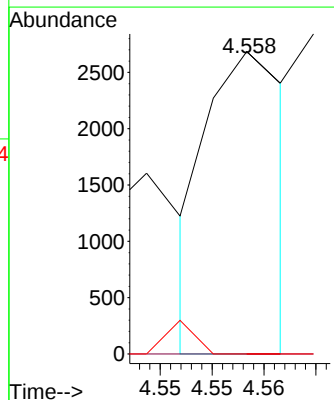
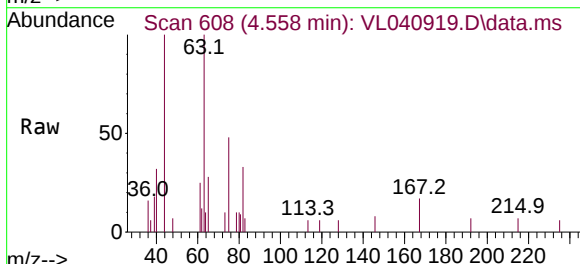
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	33.3	8.4	12.6#
44	11.0	4.2	6.4#

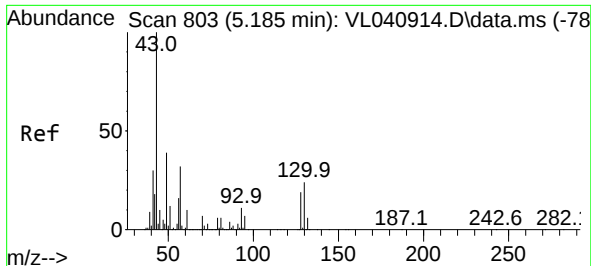


#24
1,1-Dichloroethane
Concen: 0.010 ppbv
RT: 4.558 min Scan# 608
Delta R.T. 0.010 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 63 Resp: 1421

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.5#
100	0.0	1.4	4.2#

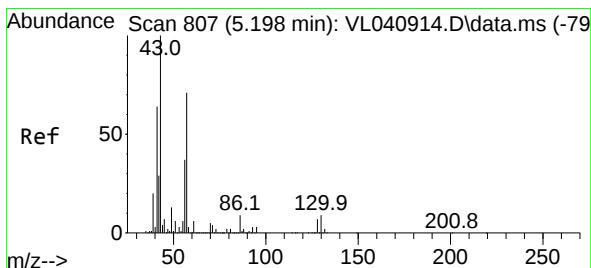
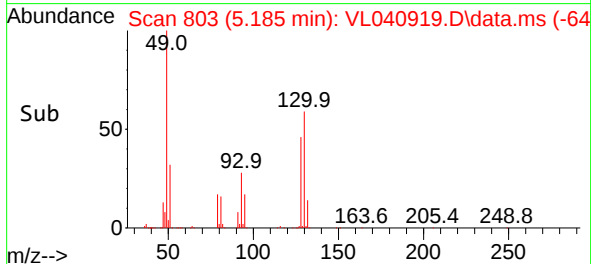
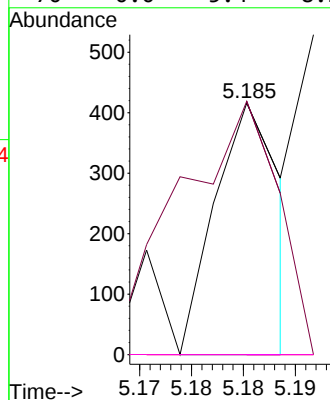
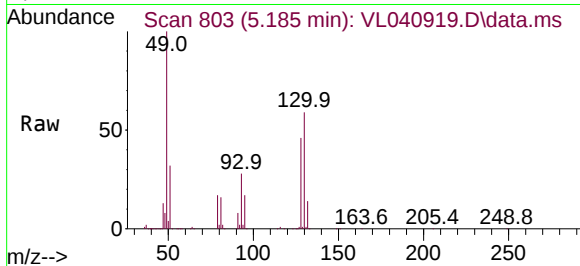




#25
Ethyl Acetate
Concen: 0.001 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.000 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

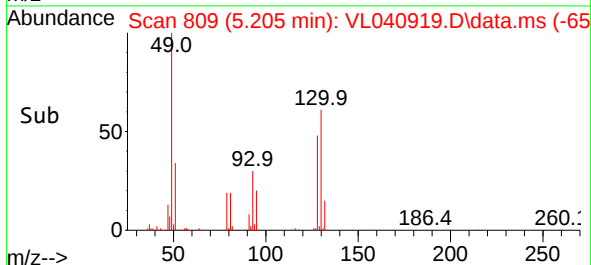
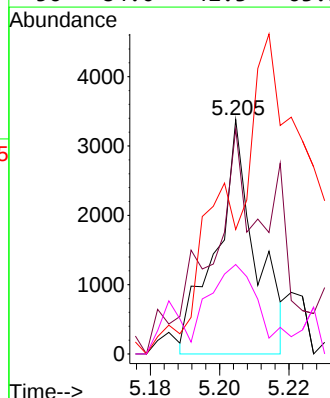
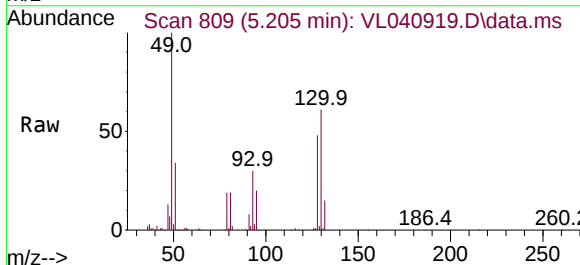
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

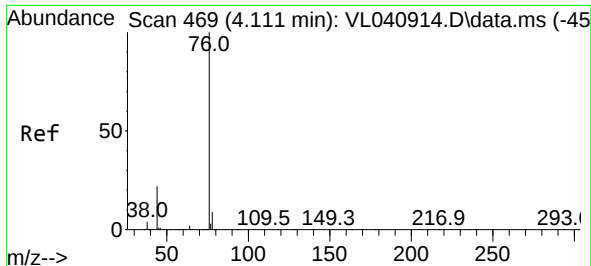
Tgt Ion: 43	Resp: 185
Ion Ratio	Lower Upper
43 100	
45 150.8	8.2 12.2#
61 0.0	7.6 11.4#
70 0.0	5.4 8.2#



#26
Hexane
Concen: 0.023 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 57	Resp: 2630
Ion Ratio	Lower Upper
57 100	
41 163.9	75.2 112.8#
43 0.0	188.0 282.0#
56 84.0	42.3 63.5#

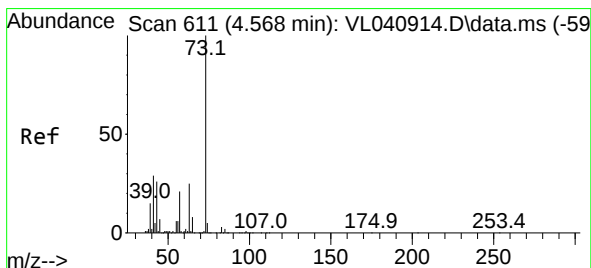
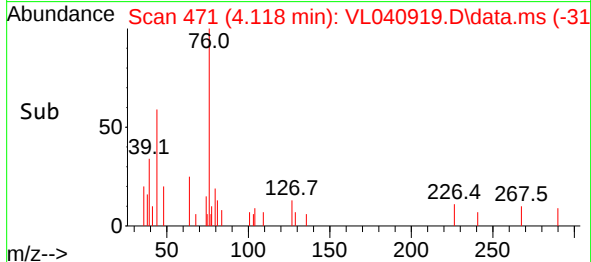
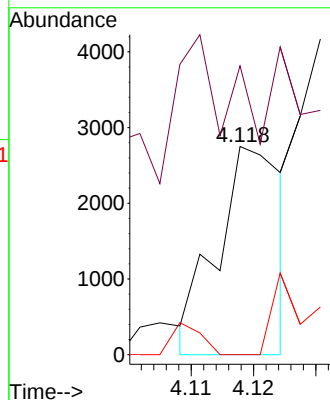
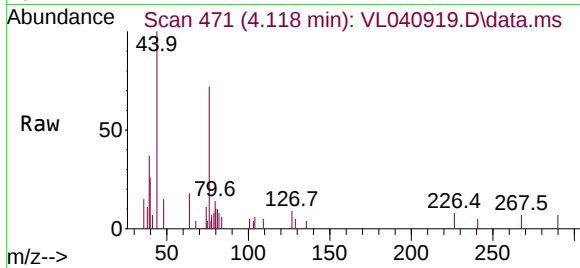




#27
Carbon Disulfide
Concen: 0.013 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

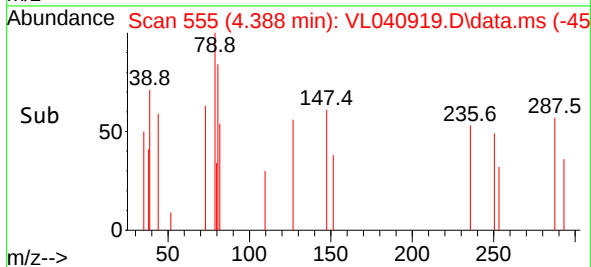
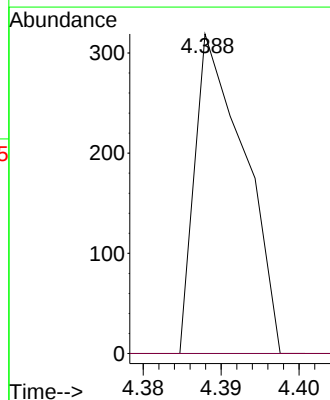
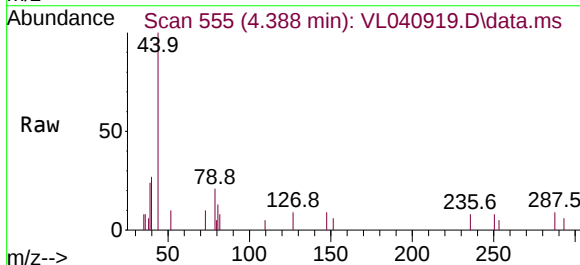
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

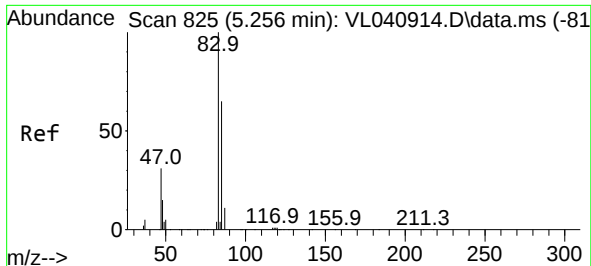
Tgt Ion: 76 Resp: 1974
Ion Ratio Lower Upper
76 100
44 0.0 18.4 27.6#
78 0.0 7.9 11.9#



#28
Methyl tert-Butyl Ether
Concen: 0.001 ppbv
RT: 4.388 min Scan# 555
Delta R.T. -0.180 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 73 Resp: 141
Ion Ratio Lower Upper
73 100
57 25.5 18.0 27.0





#29

Chloroform

Concen: 0.019 ppbv

RT: 5.262 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

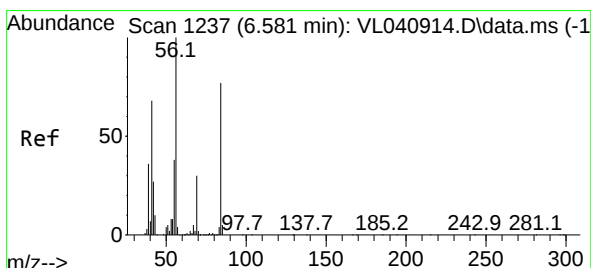
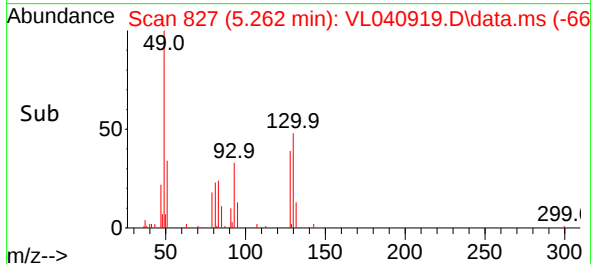
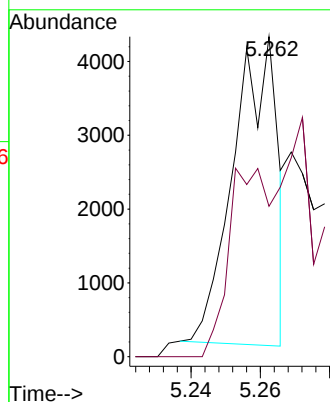
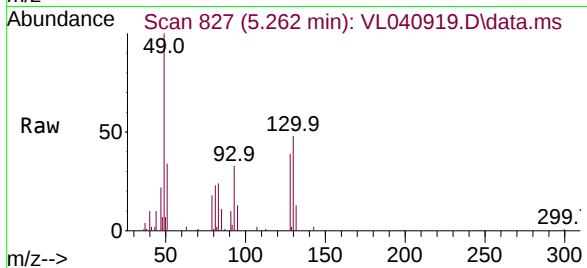
VSTDICC0.03

Tgt Ion: 83 Resp: 3642

Ion Ratio Lower Upper

83 100

85 49.4 52.3 78.5#



#30

Cyclohexane

Concen: 0.009 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

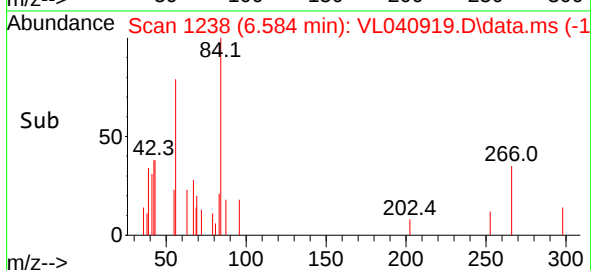
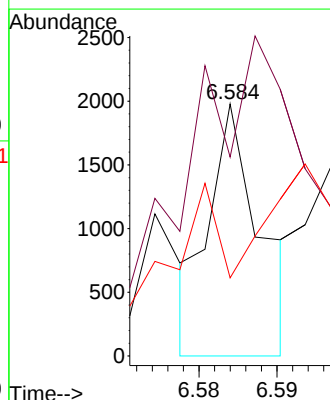
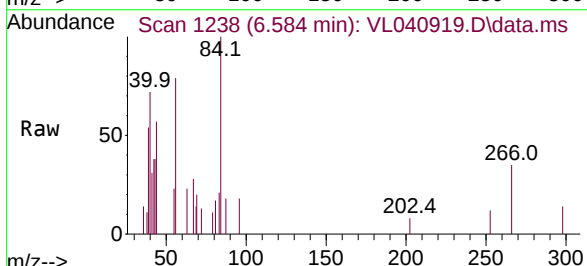
Tgt Ion: 84 Resp: 898

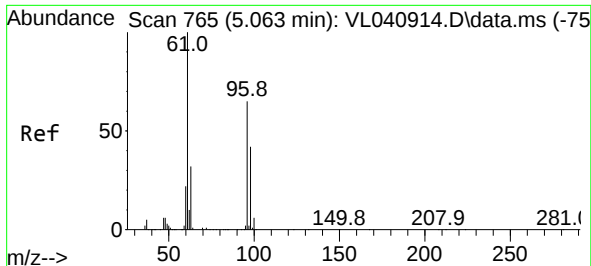
Ion Ratio Lower Upper

84 100

56 0.0 111.4 167.2#

41 0.0 70.0 105.0#





#31

cis-1,2-Dichloroethene

Concen: 0.014 ppbv

RT: 5.073 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

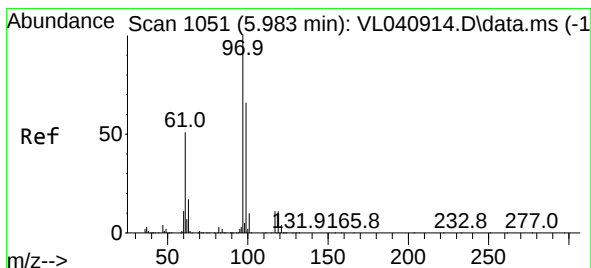
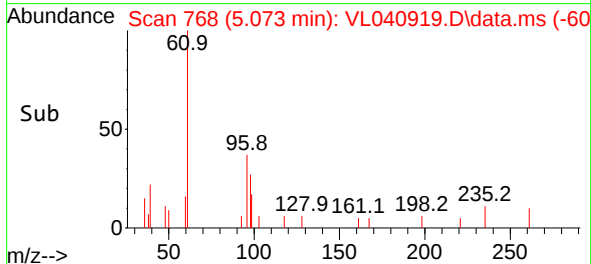
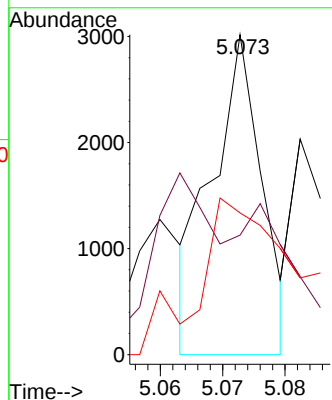
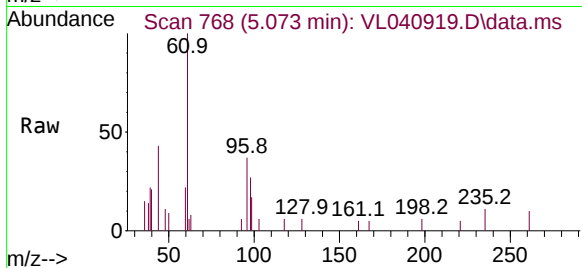
Tgt Ion: 61 Resp: 1680

Ion Ratio Lower Upper

61 100

96 3.8 51.7 77.5#

98 45.2 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 0.021 ppbv

RT: 5.996 min Scan# 1055

Delta R.T. 0.013 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

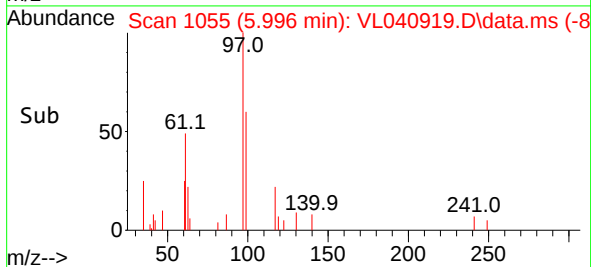
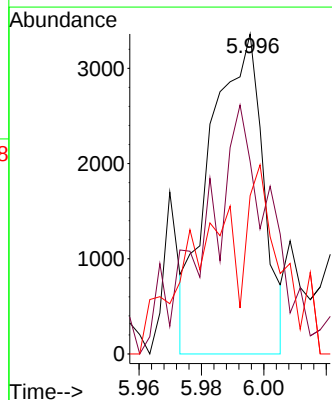
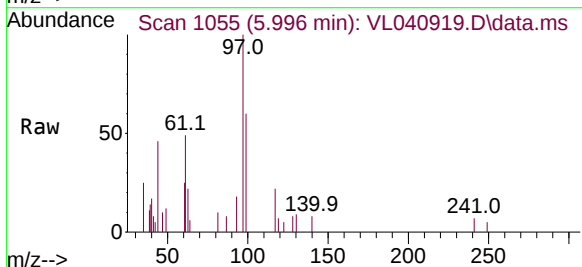
Tgt Ion: 97 Resp: 3961

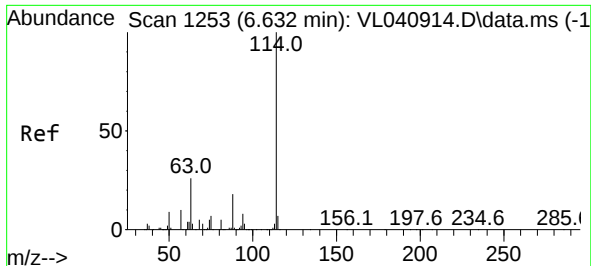
Ion Ratio Lower Upper

97 100

99 101.8 51.8 77.6#

61 83.2 41.0 61.6#

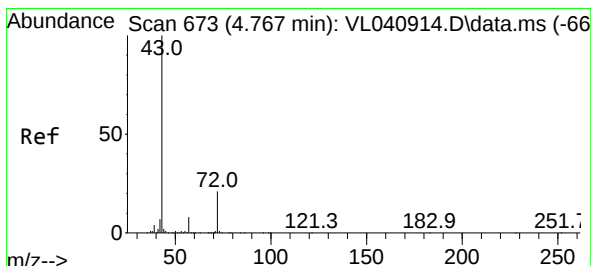
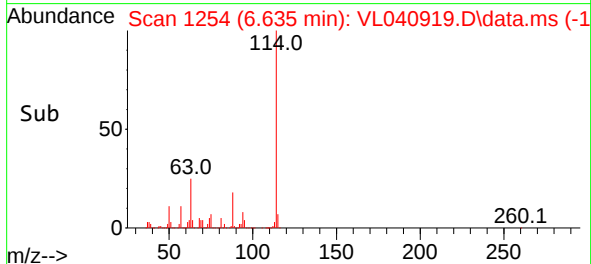
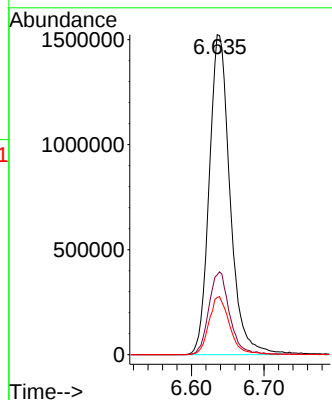
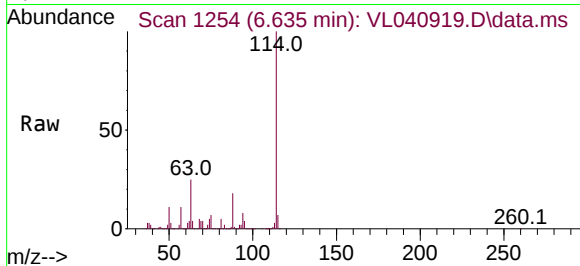




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

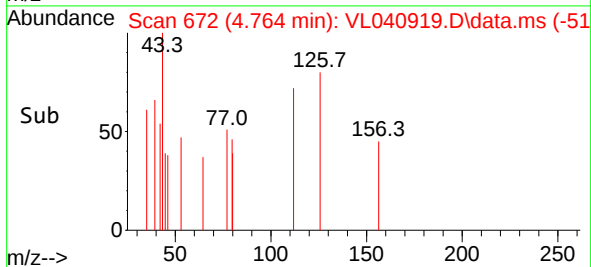
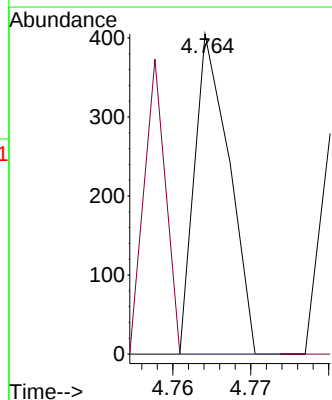
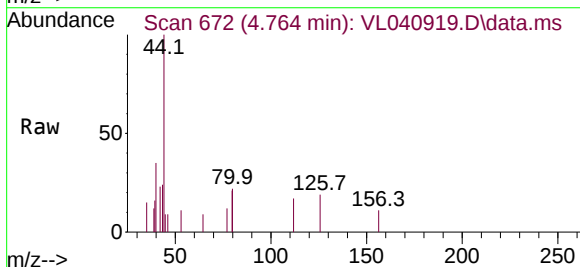
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

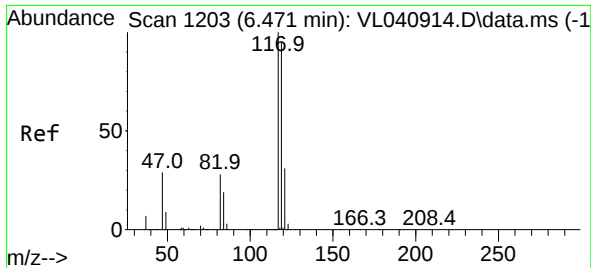
Tgt Ion:114 Resp: 3035543
Ion Ratio Lower Upper
114 100
63 26.2 21.0 31.6
88 18.2 14.3 21.5



#34
2-Butanone
Concen: 0.001 ppbv
RT: 4.764 min Scan# 672
Delta R.T. -0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#

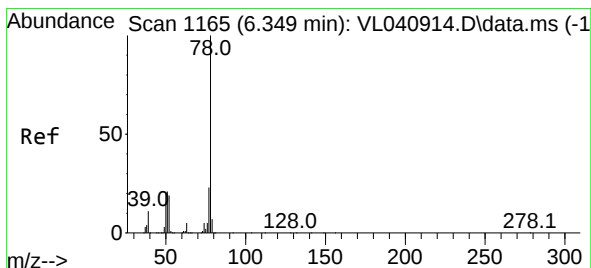
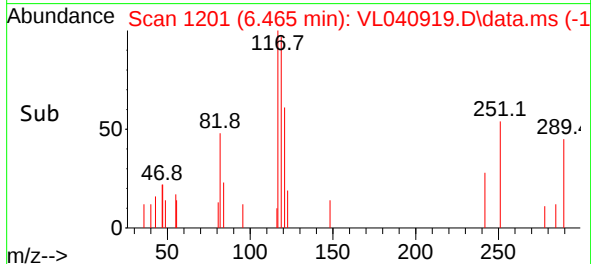
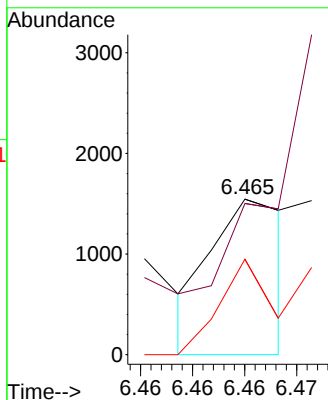
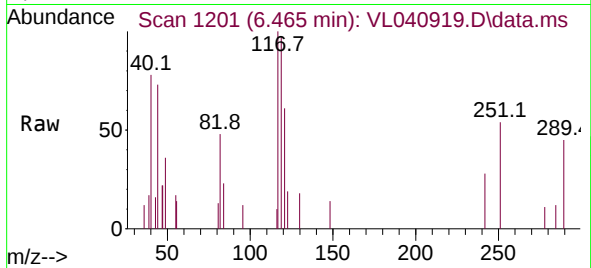




#35
Carbon Tetrachloride
Concen: 0.004 ppbv
RT: 6.465 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

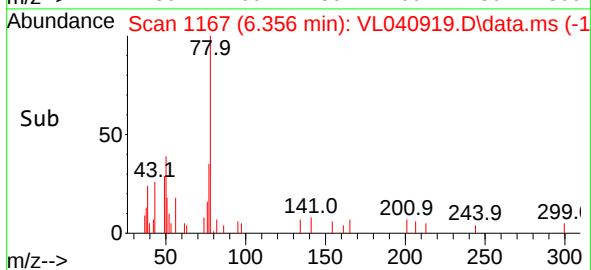
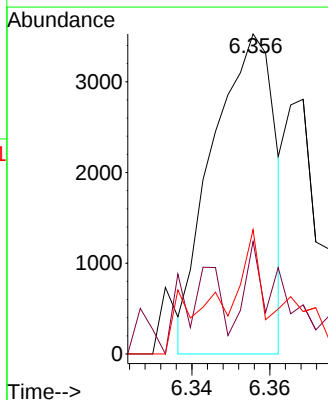
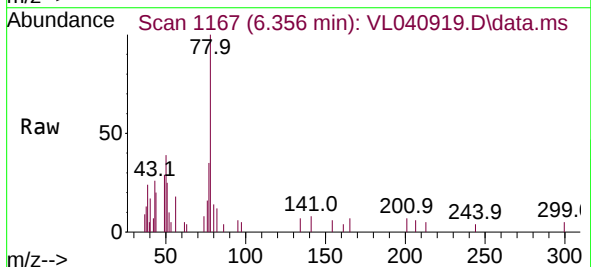
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

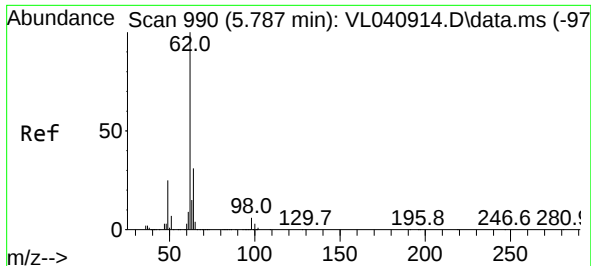
Tgt Ion:117 Resp: 774
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 101.0 24.9 37.3#



#36
Benzene
Concen: 0.016 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 78 Resp: 3910
Ion Ratio Lower Upper
78 100
77 11.5 18.4 27.6#
50 56.6 16.0 24.0#





#37

1,2-Dichloroethane

Concen: 0.025 ppbv

RT: 5.799 min Scan# 990

Delta R.T. 0.013 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

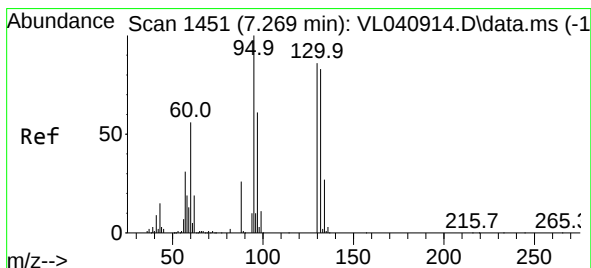
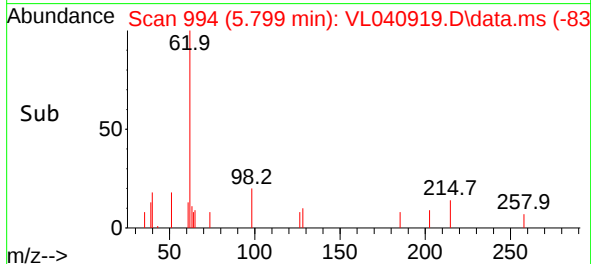
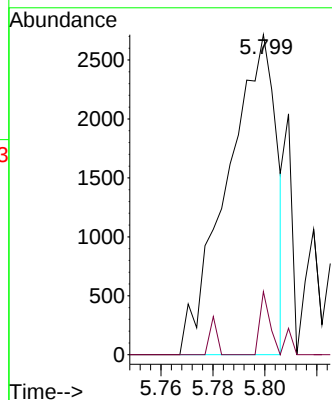
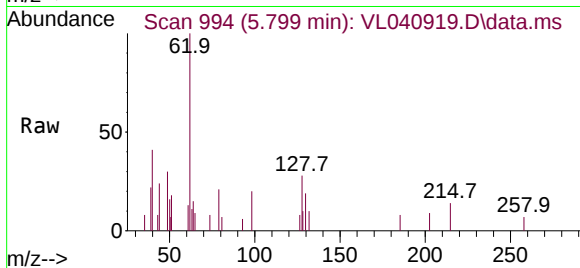
VSTDIC0.03

Tgt Ion: 62 Resp: 3574

Ion Ratio Lower Upper

62 100

98 7.0 4.6 7.0#



#38

Trichloroethene

Concen: 0.011 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Tgt Ion:130 Resp: 1024

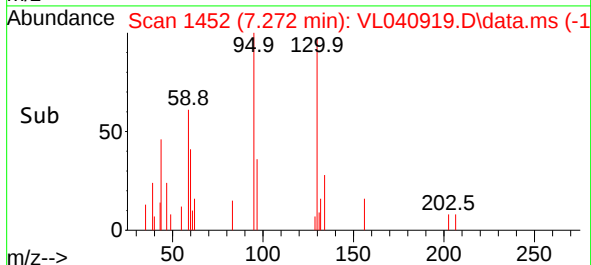
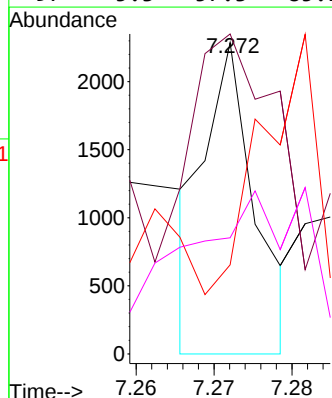
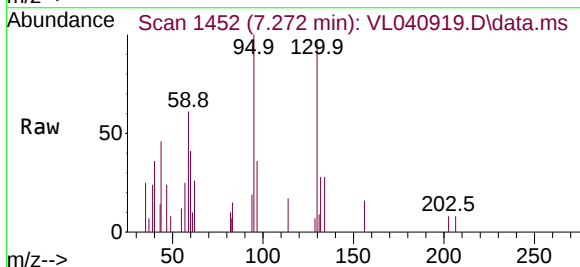
Ion Ratio Lower Upper

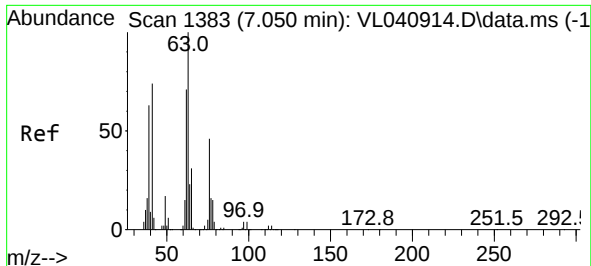
130 100

95 69.4 93.5 140.3#

132 0.0 77.4 116.2#

97 5.3 57.3 85.9#





#39

1,2-Dichloropropane

Concen: 8.266 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

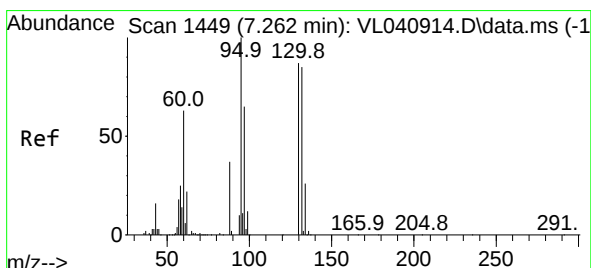
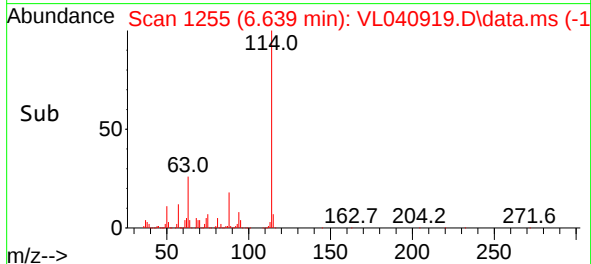
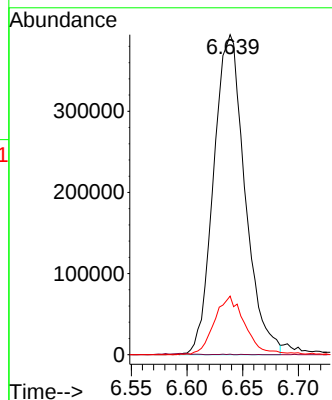
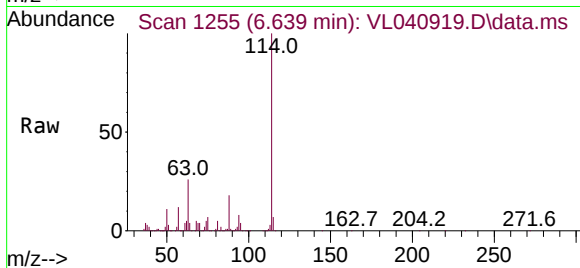
Tgt Ion: 63 Resp: 772965

Ion Ratio Lower Upper

63 100

41 0.1 59.0 88.6#

62 18.2 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.002 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Tgt Ion: 88 Resp: 59

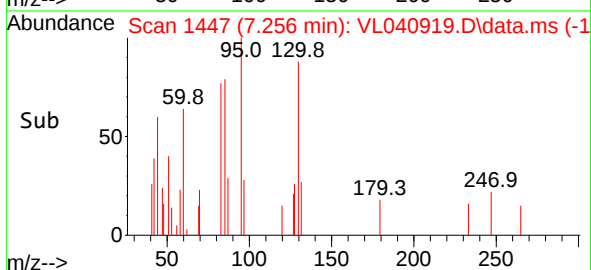
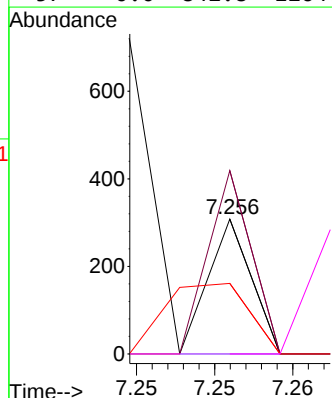
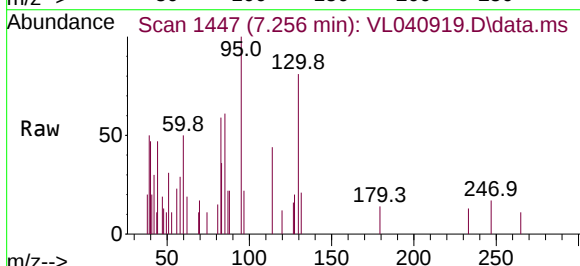
Ion Ratio Lower Upper

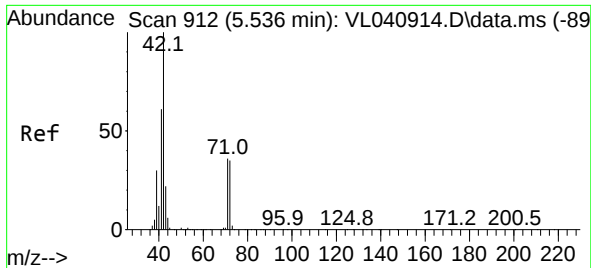
88 100

58 661.0 97.3 145.9#

43 0.0 200.6 300.8#

57 0.0 842.8 1264.2#

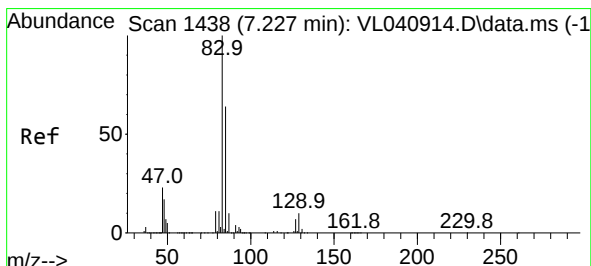
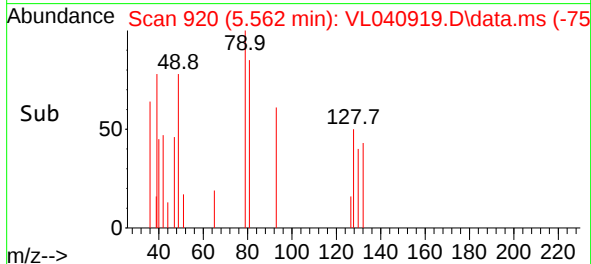
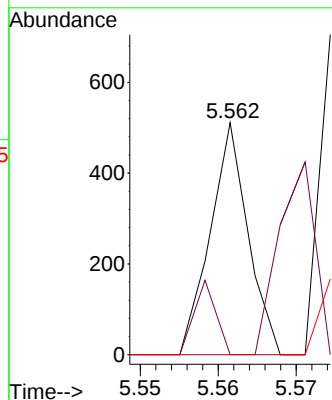
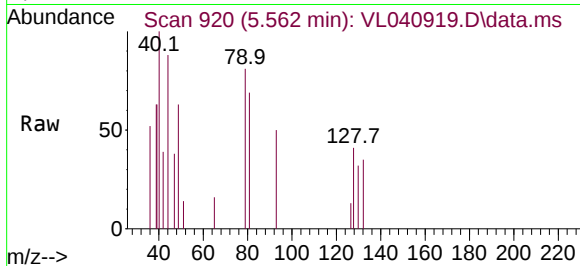




#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 5.562 min Scan# 912
Delta R.T. 0.026 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

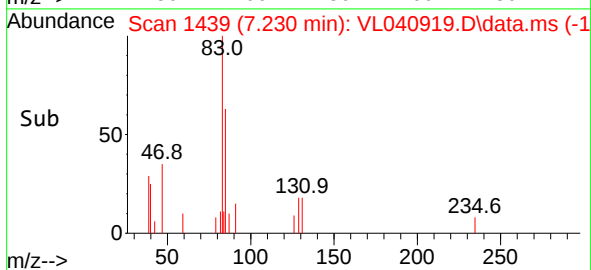
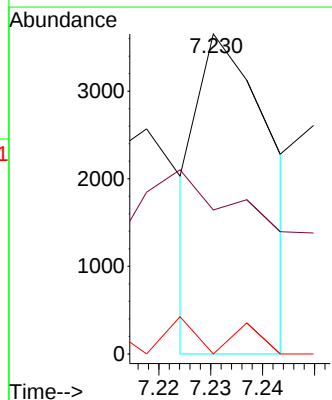
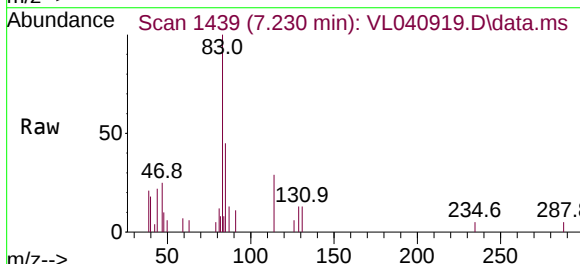
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

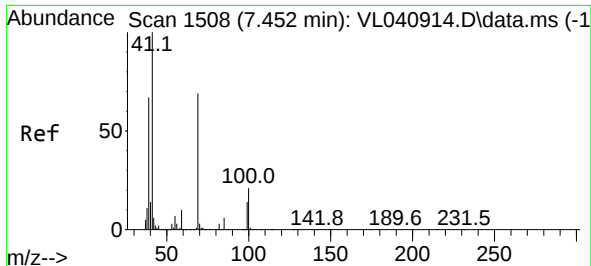
Tgt Ion:	42	Resp:	172
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.6	44.4#
71	116.3	29.1	43.7#



#42
Bromodichloromethane
Concen: 0.009 ppbv
RT: 7.230 min Scan# 1439
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion:	83	Resp:	1748
Ion	Ratio	Lower	Upper
83	100		
85	15.2	51.4	77.0#
127	0.0	5.9	8.9#





#43

Methyl Methacrylate

Concen: 0.003 ppbv

RT: 7.459 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

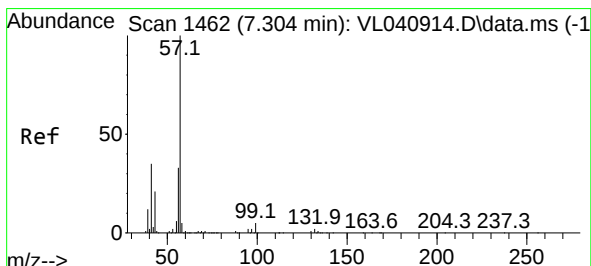
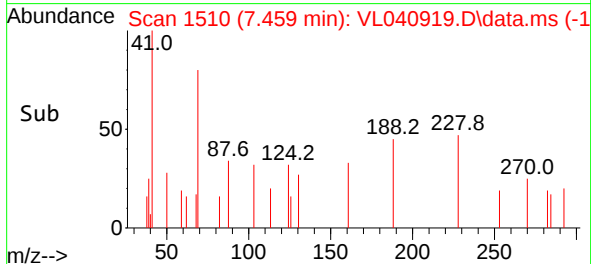
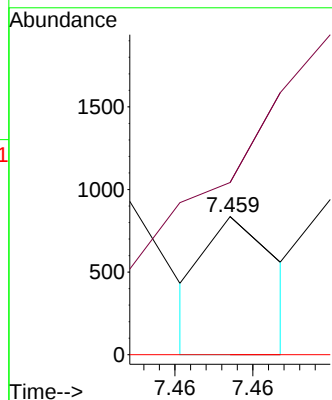
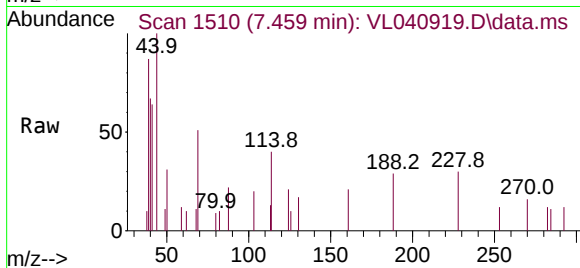
Tgt Ion: 69 Resp: 269

Ion Ratio Lower Upper

69 100

41 0.0 119.9 179.9#

100 0.0 25.1 37.7#



#44

2,2,4-Trimethylpentane

Concen: 0.010 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.010 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

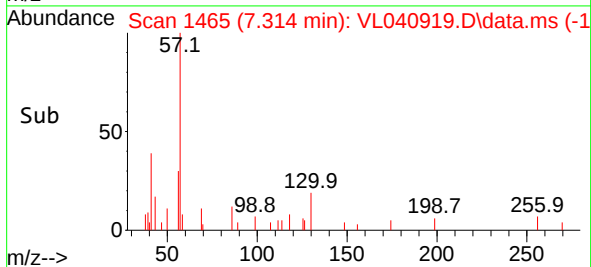
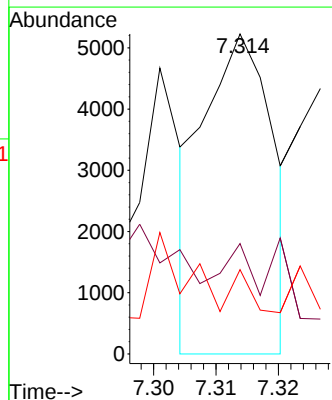
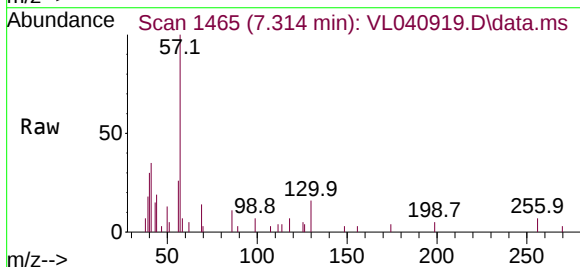
Tgt Ion: 57 Resp: 4037

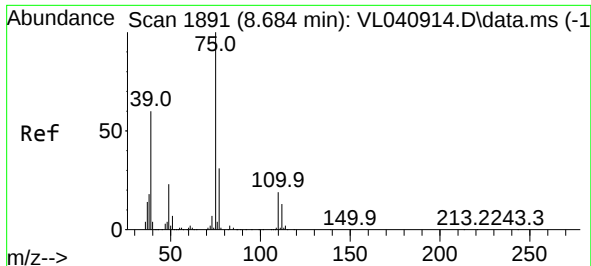
Ion Ratio Lower Upper

57 100

41 0.0 28.2 42.4#

56 0.0 25.3 37.9#

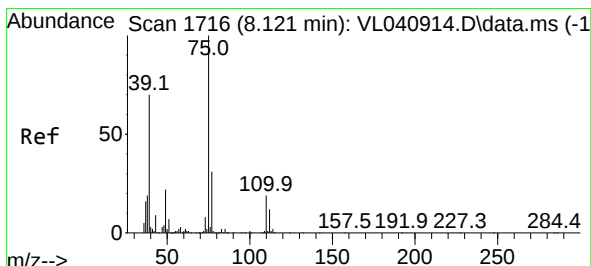
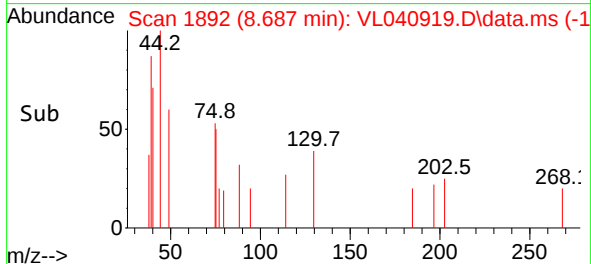
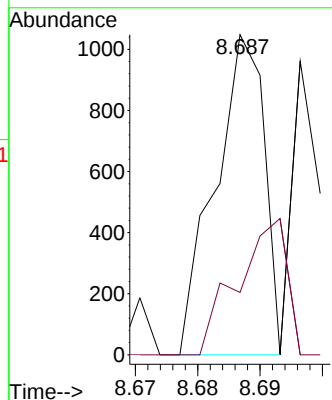
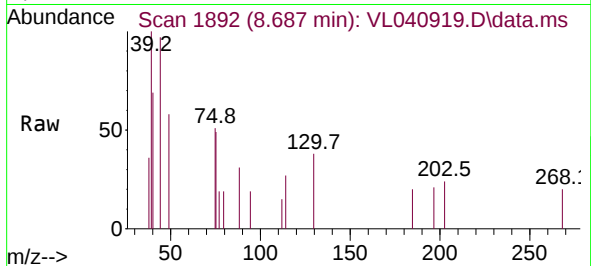




#45
 t-1,3-Dichloropropene
 Concen: 0.008 ppbv
 RT: 8.687 min Scan# 1891
 Delta R.T. 0.003 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

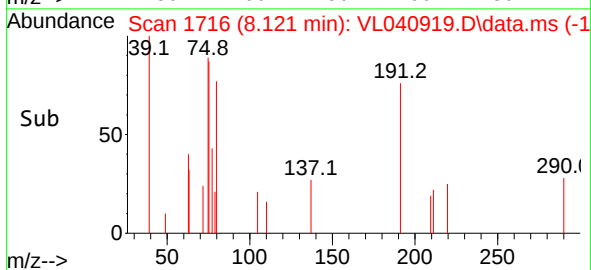
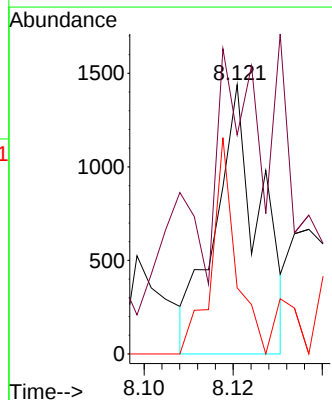
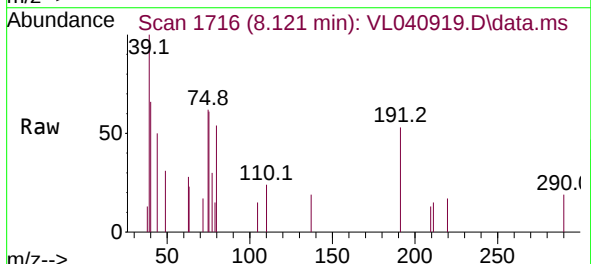
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

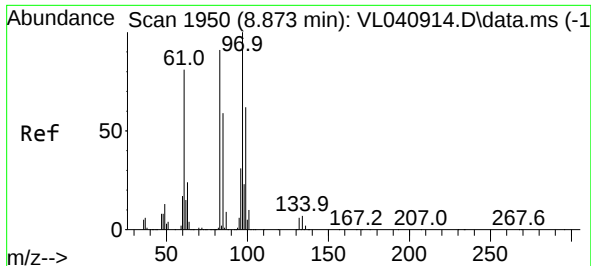
Tgt Ion: 75 Resp: 575
 Ion Ratio Lower Upper
 75 100
 77 19.5 24.8 37.2#



#46
 cis-1,3-Dichloropropene
 Concen: 0.012 ppbv
 RT: 8.121 min Scan# 1716
 Delta R.T. 0.000 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

Tgt Ion: 75 Resp: 998
 Ion Ratio Lower Upper
 75 100
 39 25.9 56.2 84.4#
 77 29.8 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 0.009 ppbv

RT: 8.880 min Scan# 1950

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 928

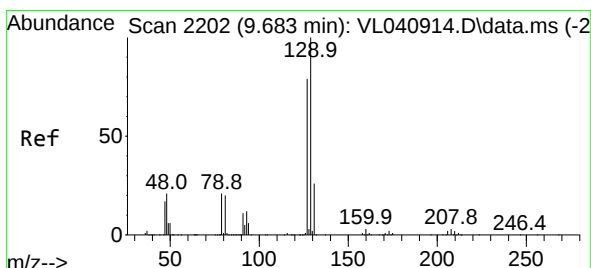
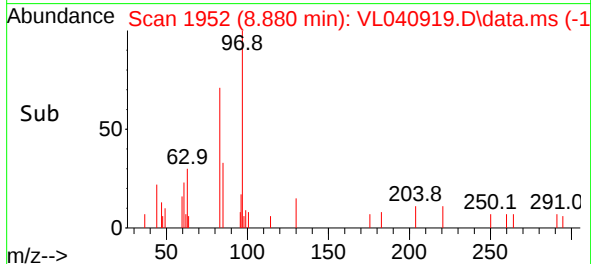
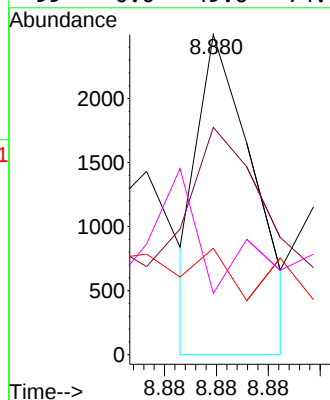
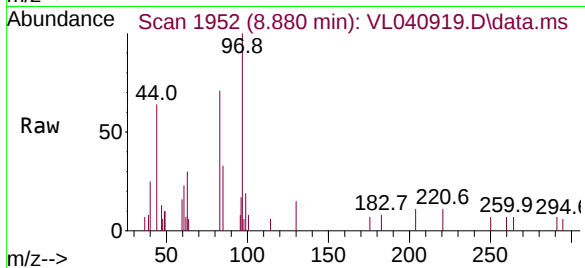
Ion Ratio Lower Upper

97 100

83 46.8 72.6 108.8#

85 12.2 47.4 71.0#

99 0.0 49.6 74.4#



#48

Dibromochloromethane

Concen: 0.001 ppbv

RT: 9.786 min Scan# 2234

Delta R.T. 0.103 min

Lab File: VL040919.D

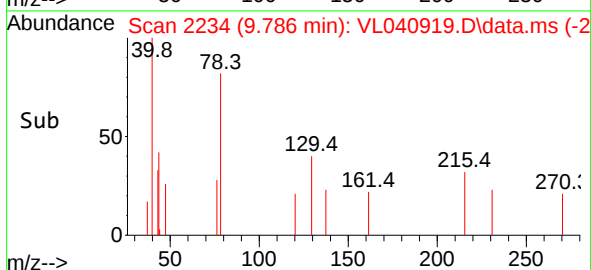
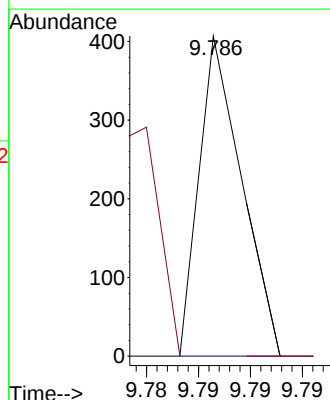
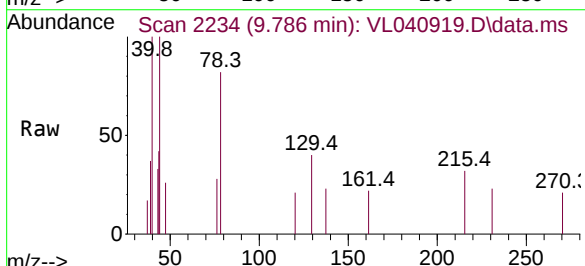
Acq: 20 Dec 2023 14:17

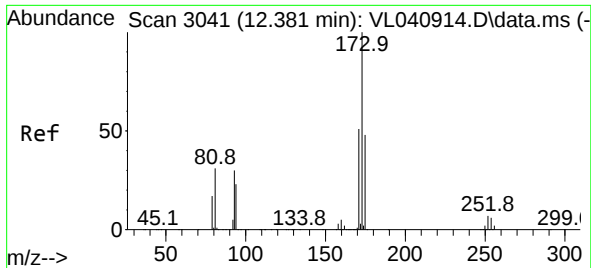
Tgt Ion: 129 Resp: 116

Ion Ratio Lower Upper

129 100

127 118.1 39.6 119.0

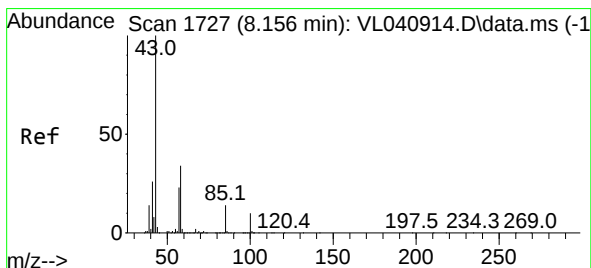
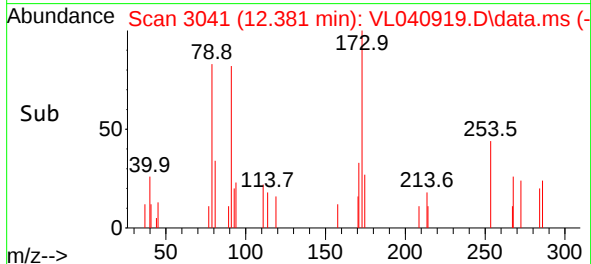
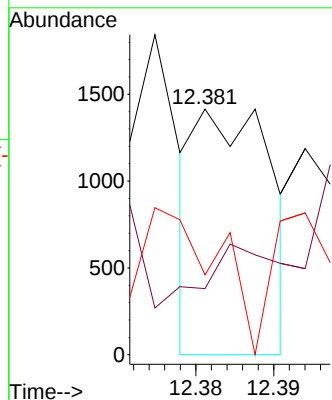
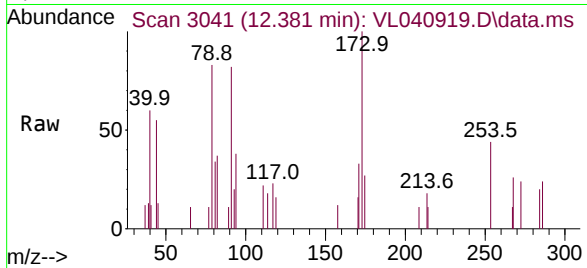




#49
Bromoform
Concen: 0.007 ppbv
RT: 12.381 min Scan# 3041
Delta R.T. 0.000 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

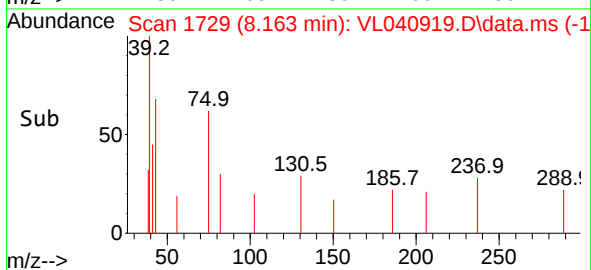
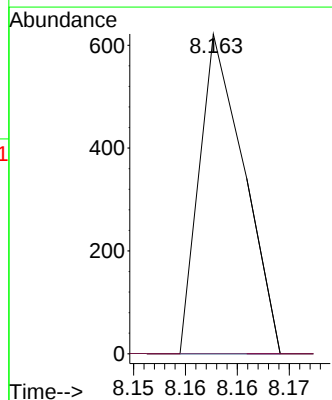
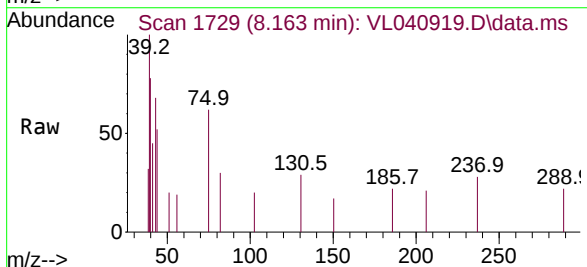
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

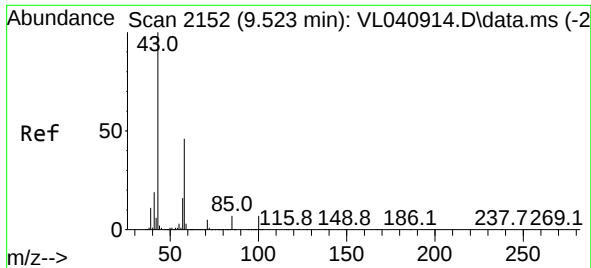
Tgt Ion:173 Resp: 956
Ion Ratio Lower Upper
173 100
175 0.0 39.3 58.9#
171 0.0 41.8 62.6#



#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.163 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.0#

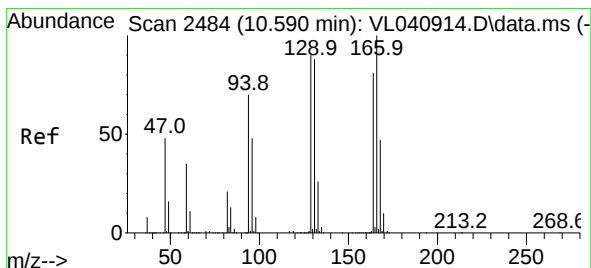
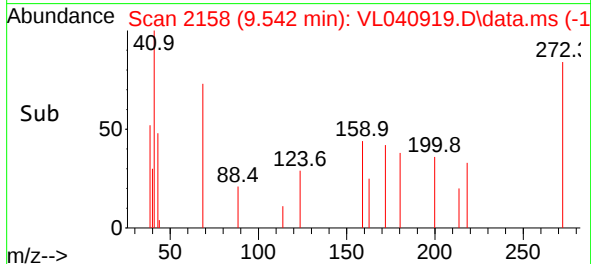
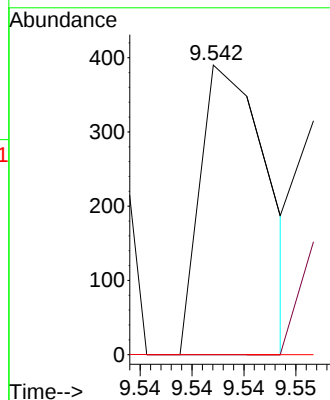
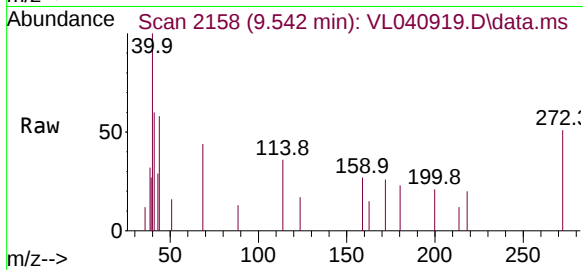




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 9.542 min Scan# 2152
Delta R.T. 0.019 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

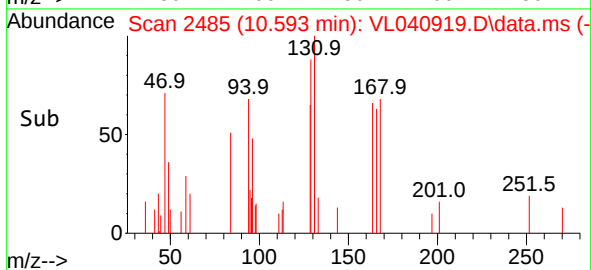
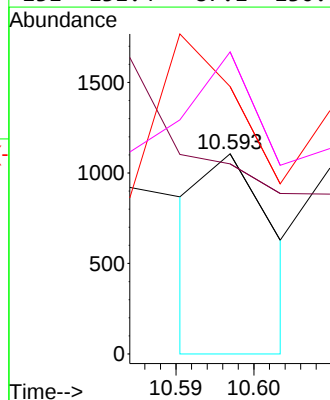
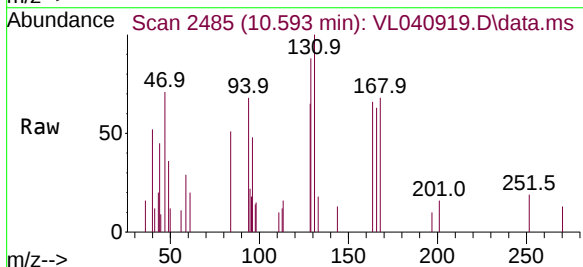
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

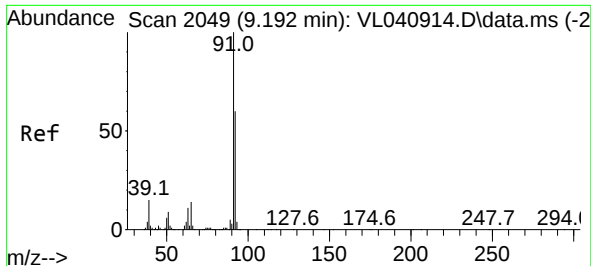
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.004 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 164 Resp: 335
Ion Ratio Lower Upper
164 100
166 34.2 98.9 148.3#
129 112.6 88.7 133.1
131 131.4 87.1 130.7#

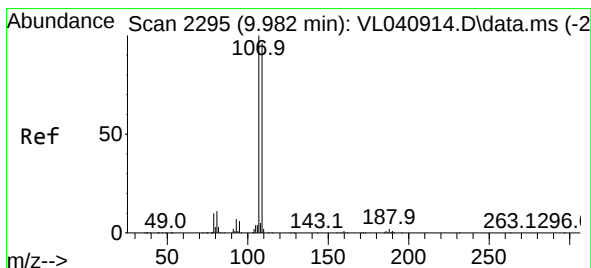
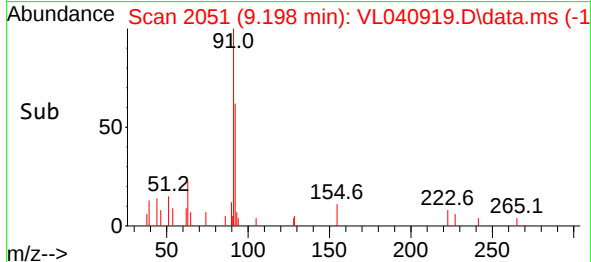
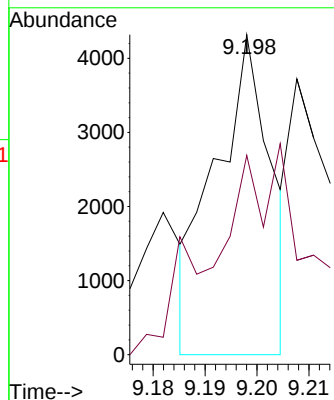
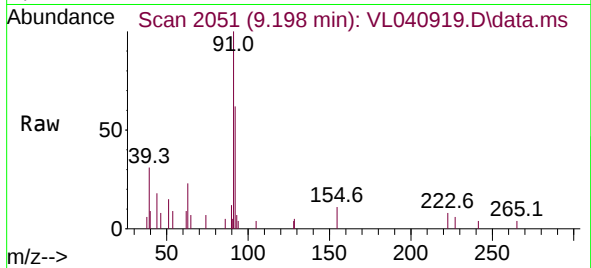




#53
Toluene
Concen: 0.012 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

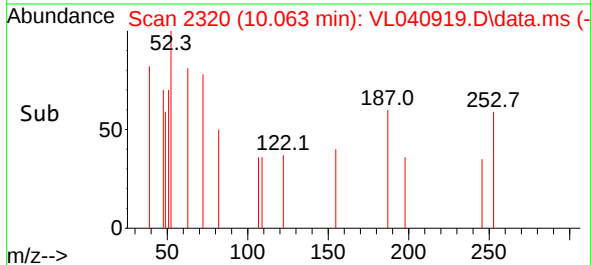
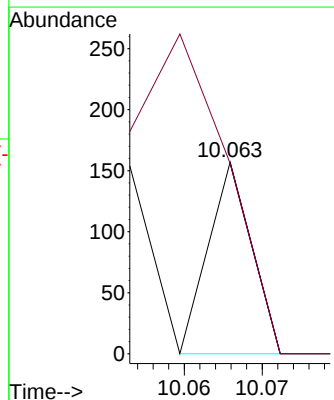
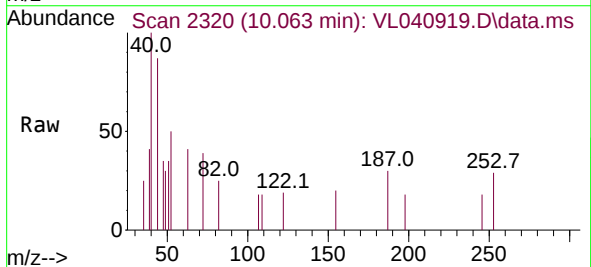
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

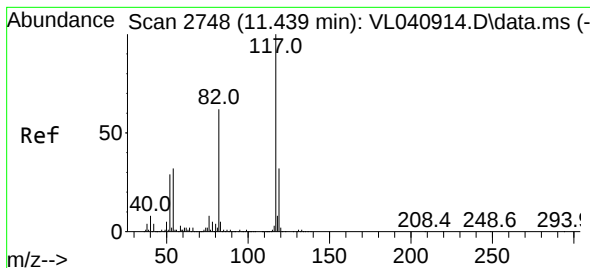
Tgt Ion: 91 Resp: 3204
Ion Ratio Lower Upper
91 100
92 0.0 49.2 73.8#



#54
1,2-Dibromoethane
Concen: 0.000 ppbv
RT: 10.063 min Scan# 2320
Delta R.T. 0.080 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 107 Resp: 30
Ion Ratio Lower Upper
107 100
109 99.4 77.0 115.4

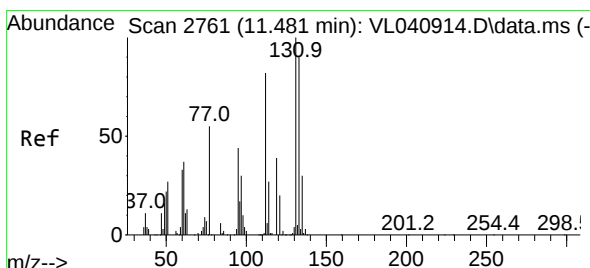
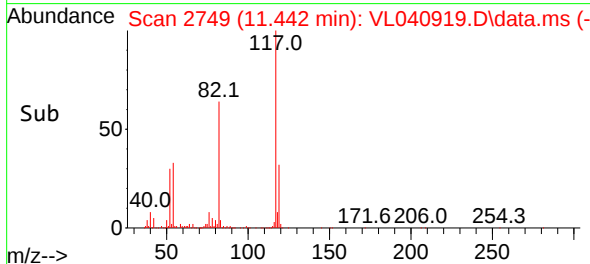
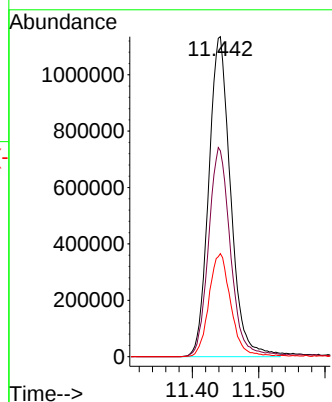
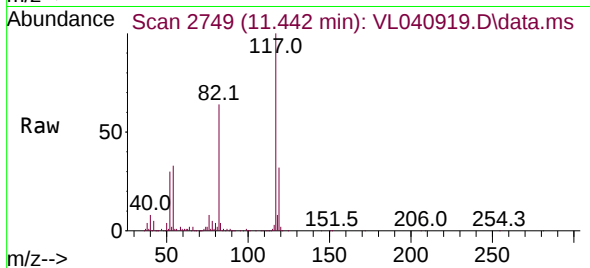




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

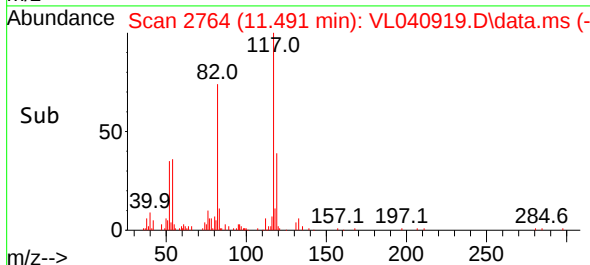
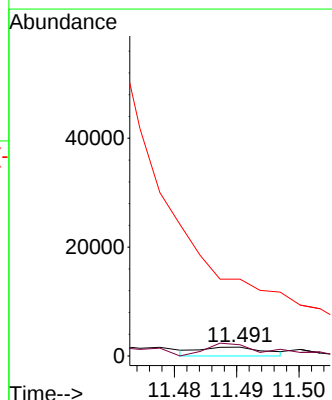
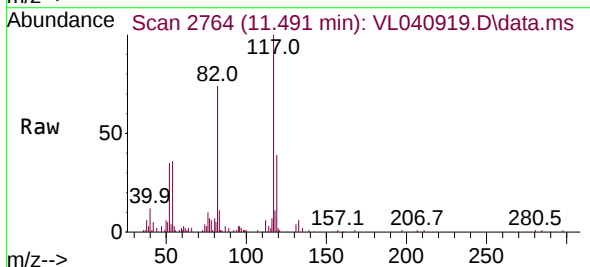
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

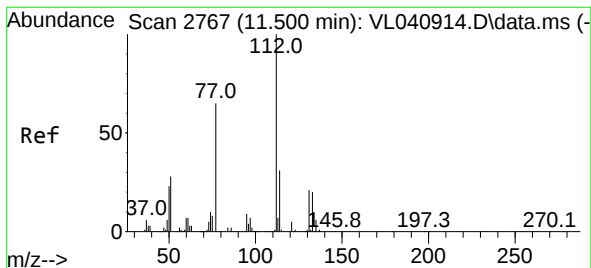
Tgt Ion:117 Resp: 2603299
Ion Ratio Lower Upper
117 100
82 66.9 49.6 74.4
119 32.6 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.010 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. 0.010 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion:131 Resp: 1174
Ion Ratio Lower Upper
131 100
133 279.6 76.3 114.5#
119 0.0 48.6 73.0#

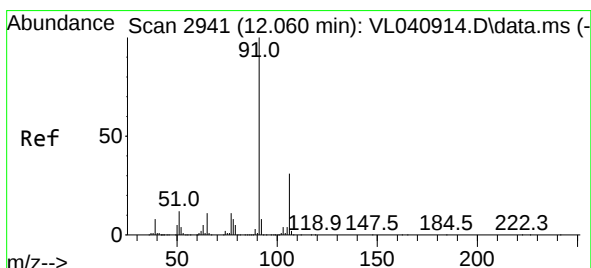
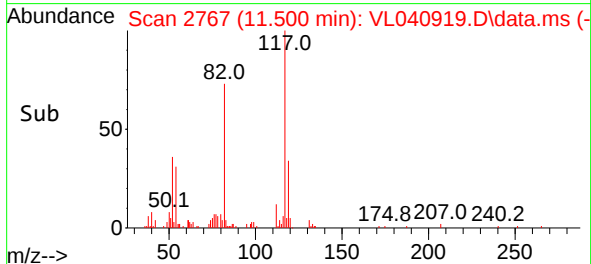
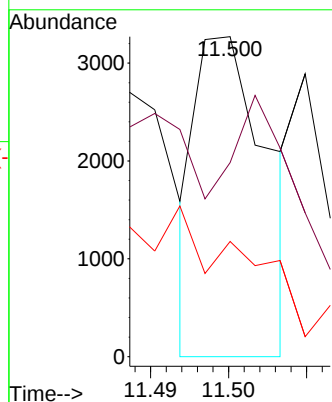
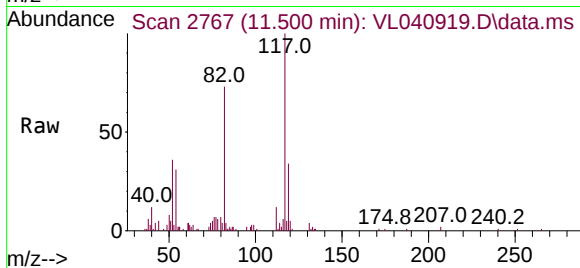




#57
Chlorobenzene
Concen: 0.011 ppbv
RT: 11.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

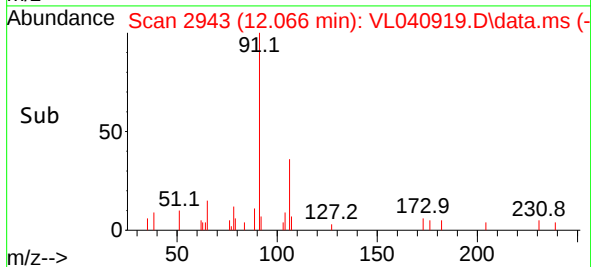
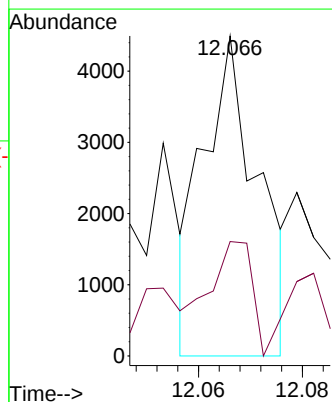
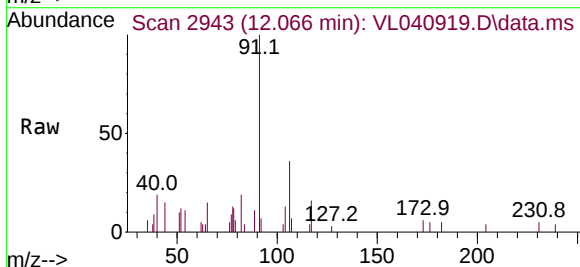
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

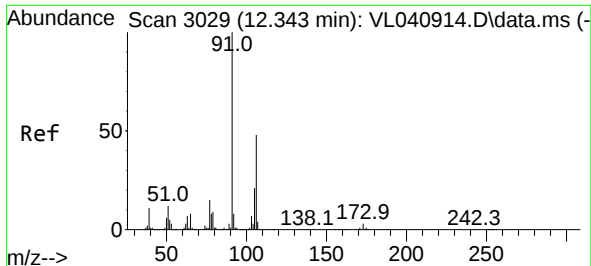
Tgt Ion:112 Resp: 2076
Ion Ratio Lower Upper
112 100
77 0.0 52.7 79.1#
114 11.5 28.4 34.7#



#58
Ethyl Benzene
Concen: 0.010 ppbv
RT: 12.066 min Scan# 2943
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 91 Resp: 3297
Ion Ratio Lower Upper
91 100
106 39.1 24.9 37.3#





#59

m/p-Xylene

Concen: 0.005 ppbv

RT: 12.349 min Scan# 3029

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

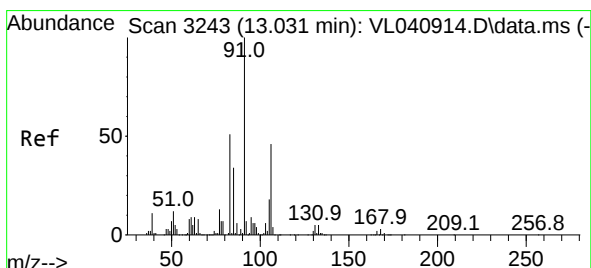
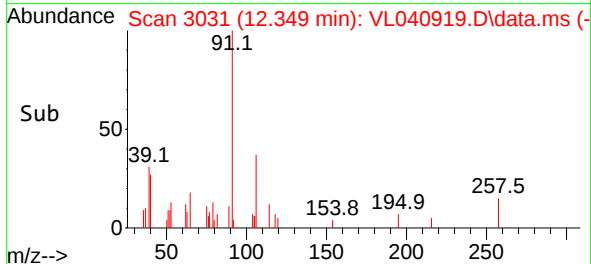
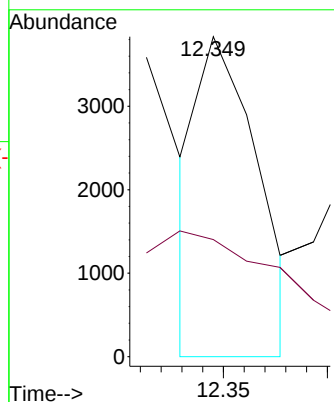
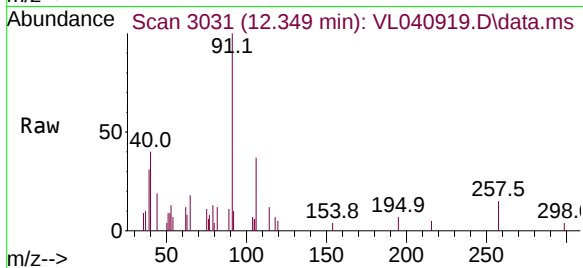
VSTDICC0.03

Tgt Ion: 91 Resp: 1534

Ion Ratio Lower Upper

91 100

106 236.9 0.0 0.0#



#60

o-Xylene

Concen: 0.005 ppbv

RT: 13.037 min Scan# 3245

Delta R.T. 0.006 min

Lab File: VL040919.D

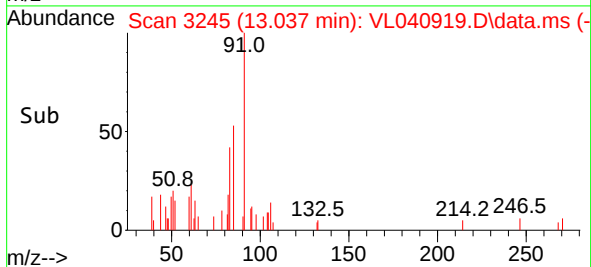
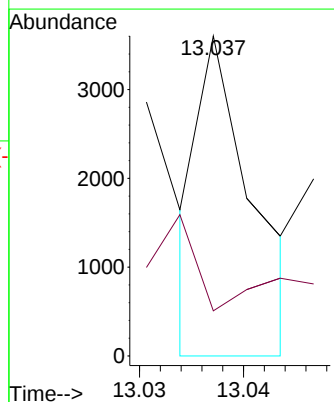
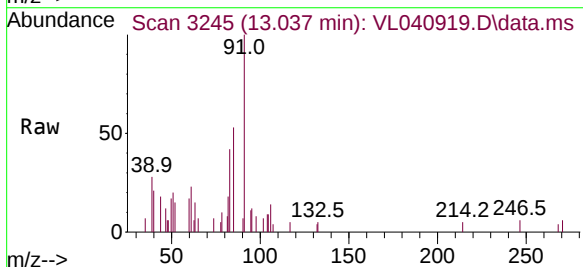
Acq: 20 Dec 2023 14:17

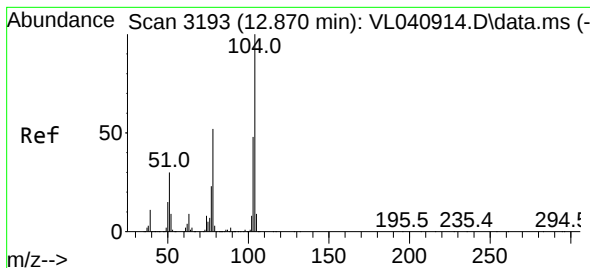
Tgt Ion: 91 Resp: 1296

Ion Ratio Lower Upper

91 100

106 0.0 22.6 67.7#





#61

Styrene

Concen: 0.004 ppbv

RT: 12.876 min Scan# 3193

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

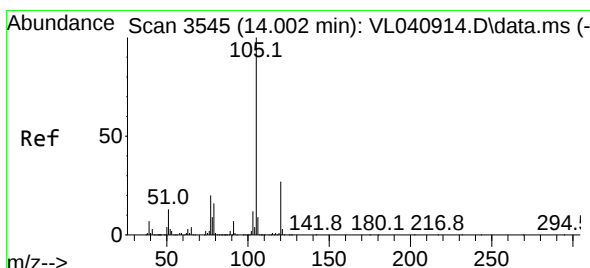
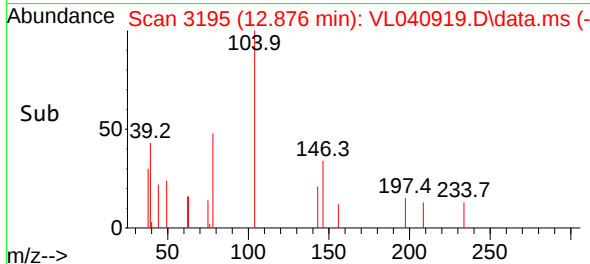
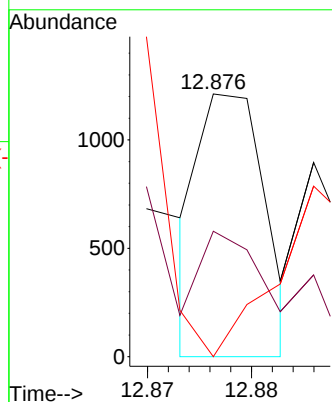
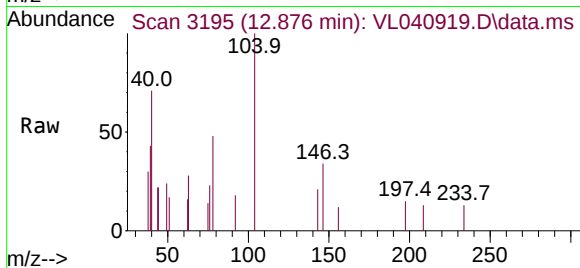
Tgt Ion:104 Resp: 530

Ion Ratio Lower Upper

104 100

78 215.7 43.0 64.4#

103 0.0 37.6 56.4#



#62

Isopropylbenzene

Concen: 0.017 ppbv

RT: 13.998 min Scan# 3544

Delta R.T. -0.003 min

Lab File: VL040919.D

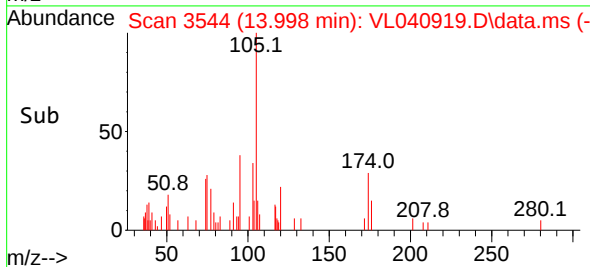
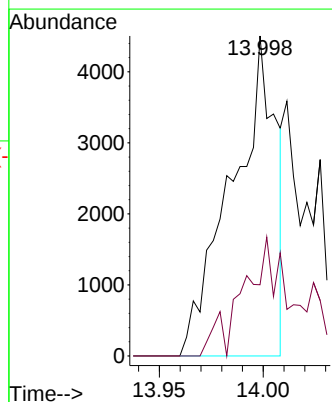
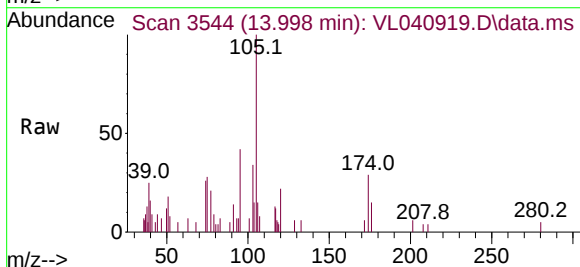
Acq: 20 Dec 2023 14:17

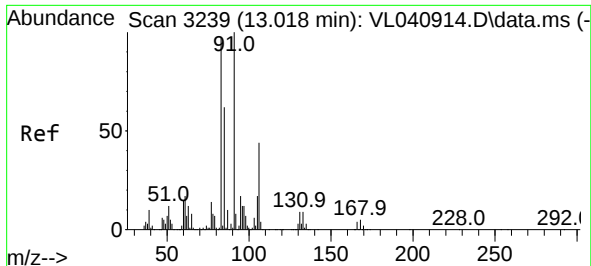
Tgt Ion:105 Resp: 6642

Ion Ratio Lower Upper

105 100

120 46.1 20.7 31.1#

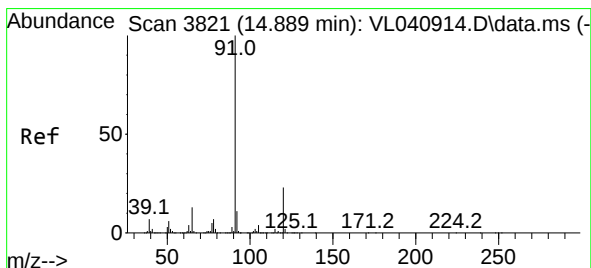
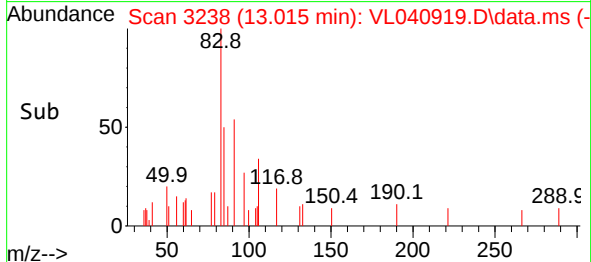
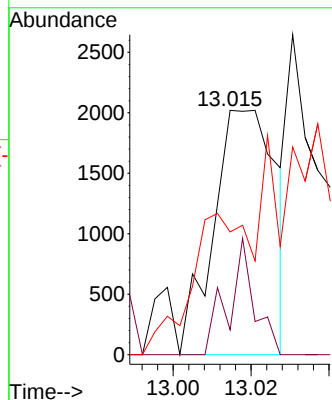
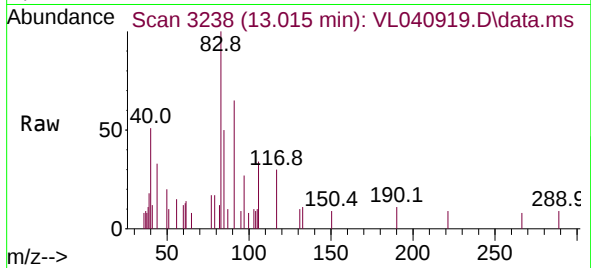




#63
1,1,2,2-Tetrachloroethane
Concen: 0.012 ppbv
RT: 13.015 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

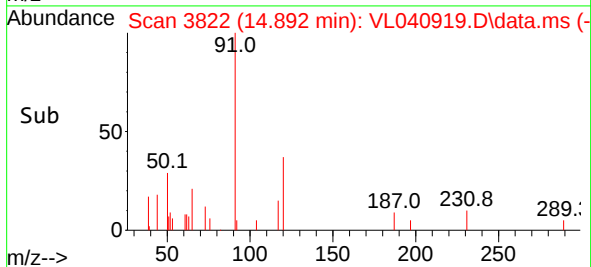
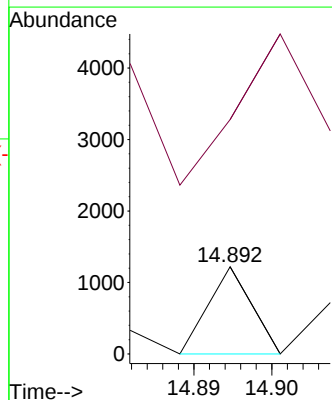
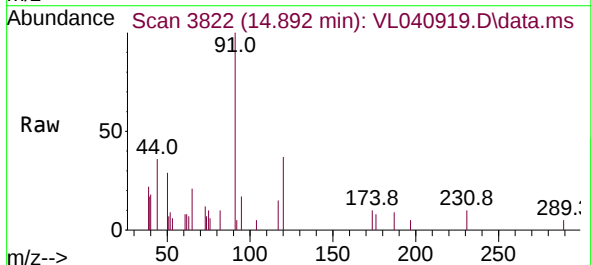
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

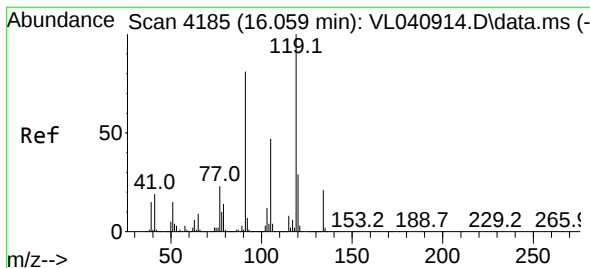
Tgt Ion: 83 Resp: 2249
Ion Ratio Lower Upper
83 100
131 19.8 4.7 14.0#
85 0.0 32.6 98.0#



#64
n-propylbenzene
Concen: 0.002 ppbv
RT: 14.892 min Scan# 3822
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 120 Resp: 235
Ion Ratio Lower Upper
120 100
91 0.0 381.9 572.9#





#65

tert-Butylbenzene

Concen: 0.009 ppbv

RT: 16.066 min Scan# 4185

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

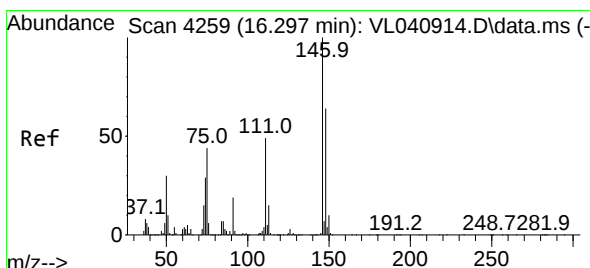
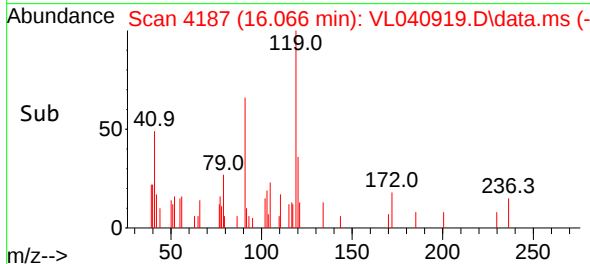
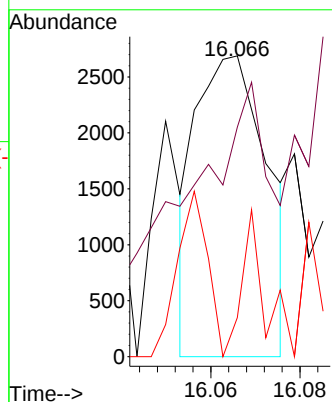
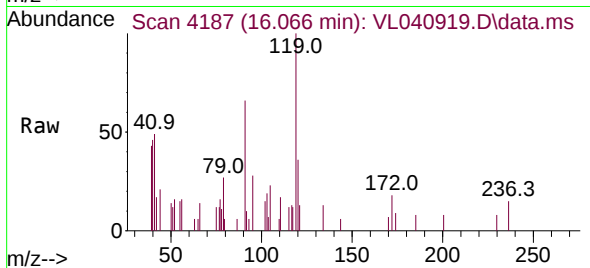
Tgt Ion:119 Resp: 2981

Ion Ratio Lower Upper

119 100

91 0.0 67.2 100.8#

134 0.0 15.8 23.6#



#66

Benzyl Chloride

Concen: 0.010 ppbv

RT: 16.291 min Scan# 4257

Delta R.T. -0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

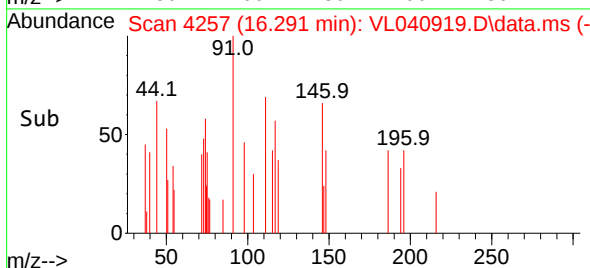
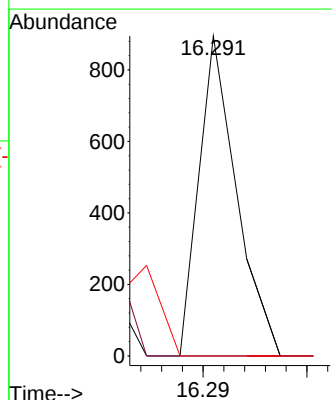
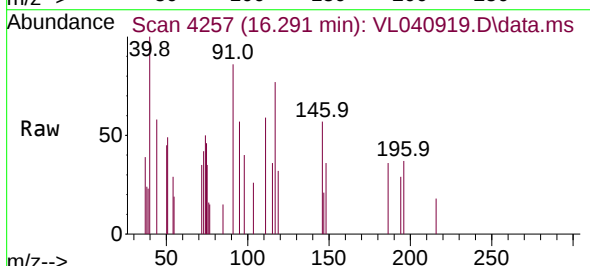
Tgt Ion: 91 Resp: 225

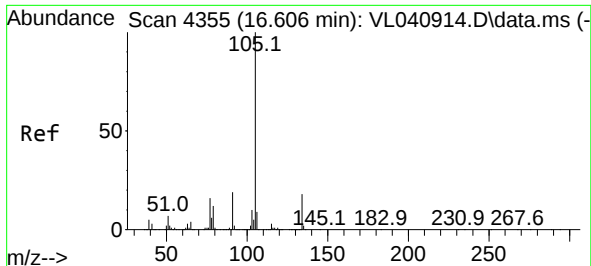
Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 0.0 4.6 6.8#

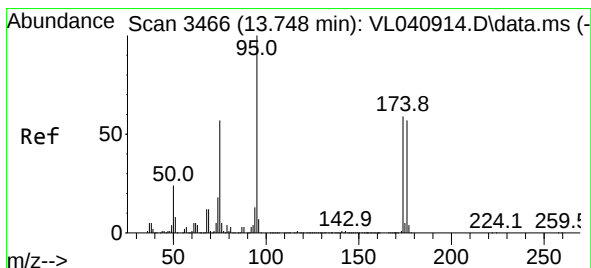
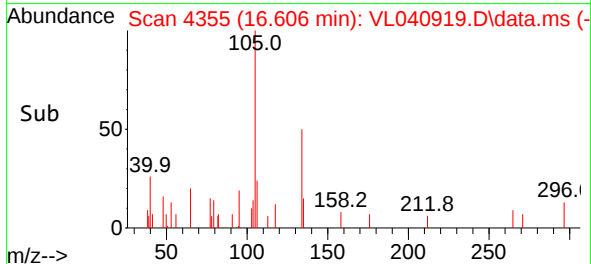
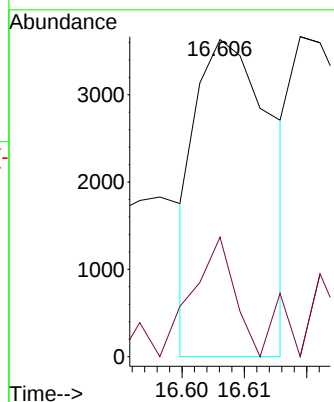
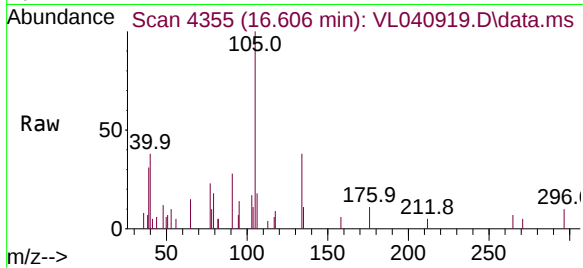




#67
 sec-Butylbenzene
 Concen: 0.006 ppbv
 RT: 16.606 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

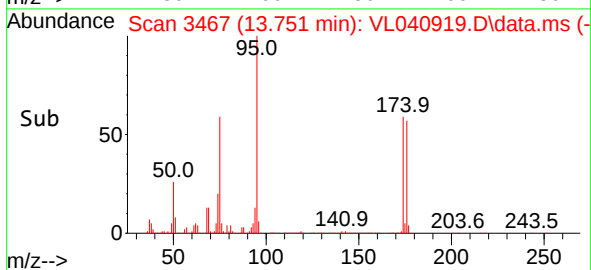
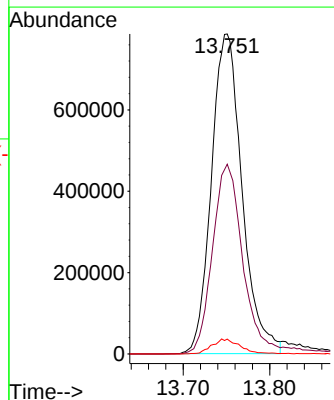
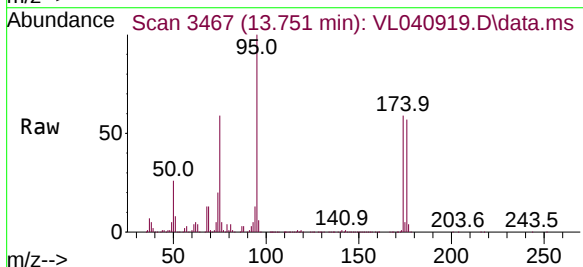
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

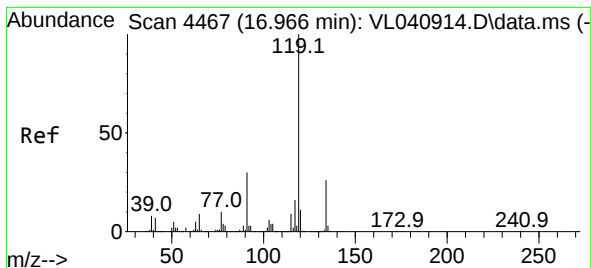
Tgt Ion:105 Resp: 3043
 Ion Ratio Lower Upper
 105 100
 134 31.6 14.4 21.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.086 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. 0.003 min
 Lab File: VL040919.D
 Acq: 20 Dec 2023 14:17

Tgt Ion: 95 Resp: 1934033
 Ion Ratio Lower Upper
 95 100
 174 61.0 48.0 72.0
 175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.009 ppbv

RT: 16.973 min Scan# 4469

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

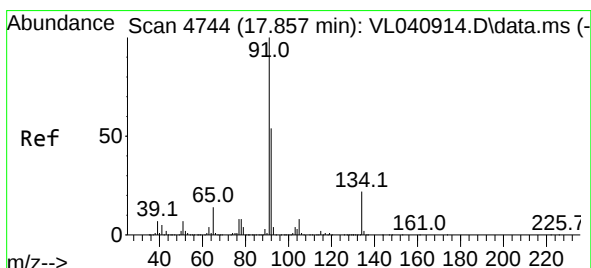
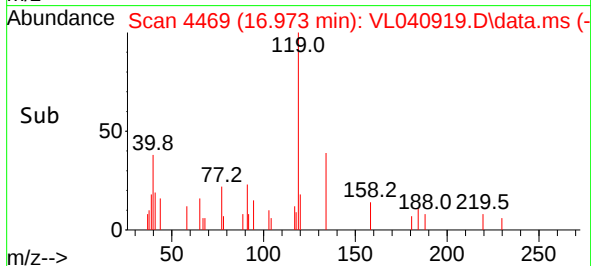
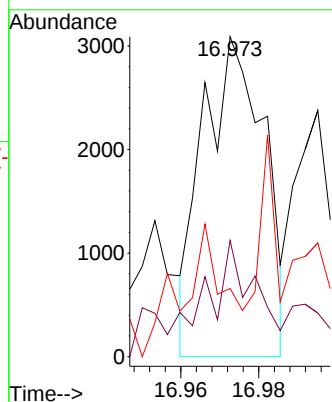
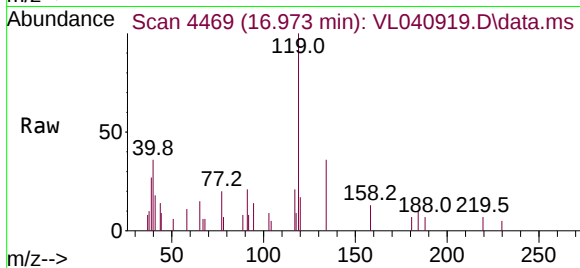
Tgt Ion:119 Resp: 3369

Ion Ratio Lower Upper

119 100

134 46.2 20.3 30.5#

91 90.1 24.1 36.1#



#70

n-Butylbenzene

Concen: 0.003 ppbv

RT: 17.854 min Scan# 4743

Delta R.T. -0.003 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

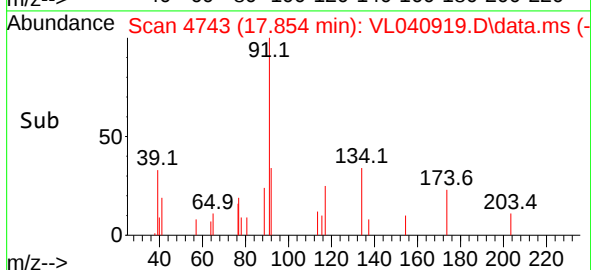
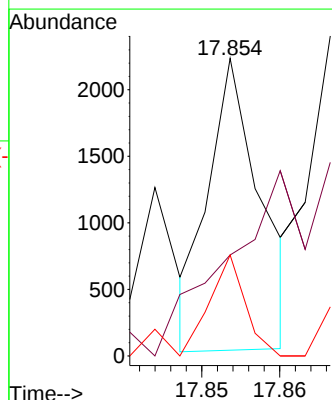
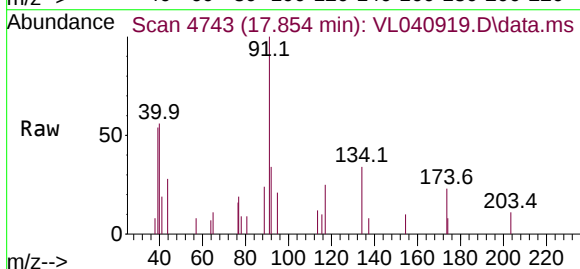
Tgt Ion: 91 Resp: 1022

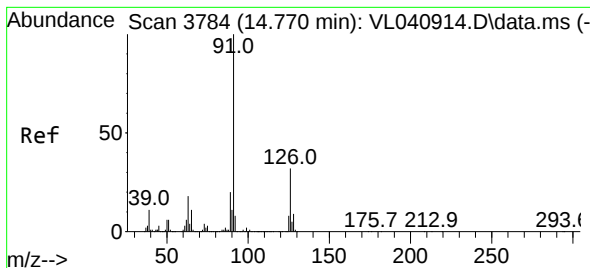
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.0#

134 75.0 17.6 26.4#

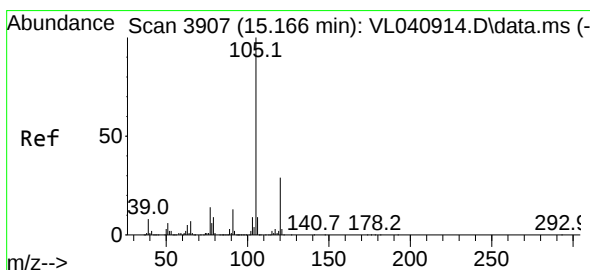
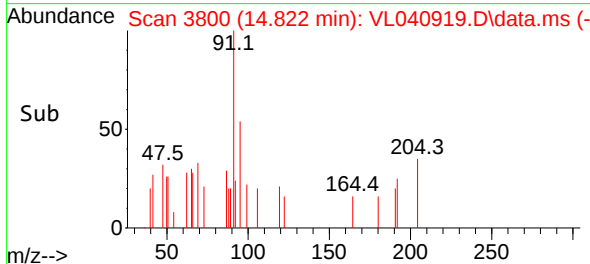
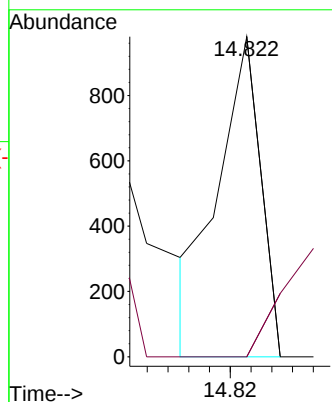
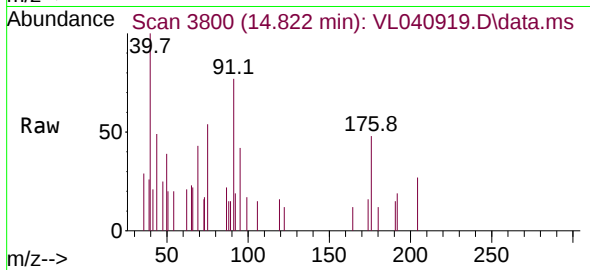




#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 14.822 min Scan# 31
Delta R.T. 0.051 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

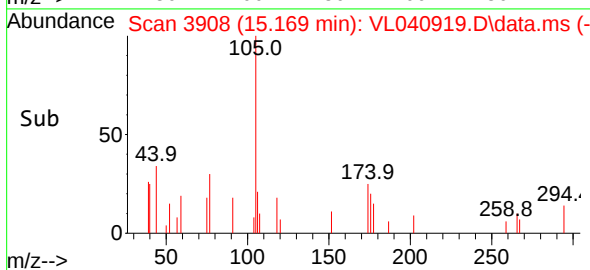
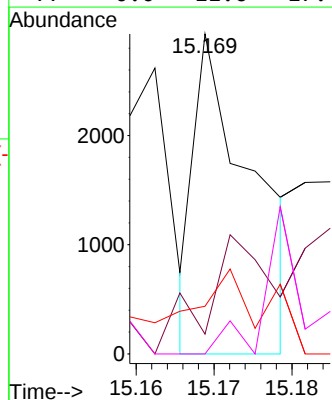
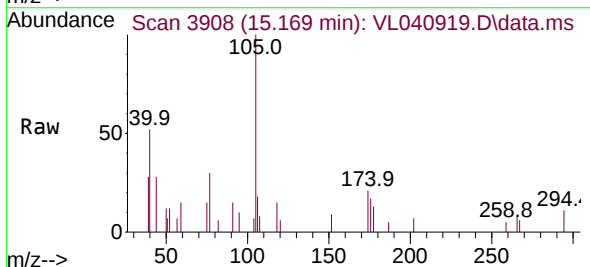
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

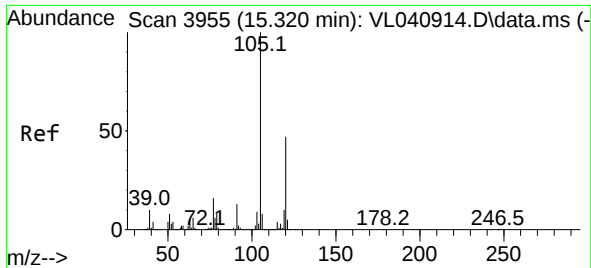
Tgt Ion: 91 Resp: 271
Ion Ratio Lower Upper
91 100
126 37.6 12.4 49.6



#72
4-Ethyltoluene
Concen: 0.005 ppbv
RT: 15.169 min Scan# 3908
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion: 105 Resp: 1502
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 44.2 10.9 16.3#
77 0.0 11.6 17.4#

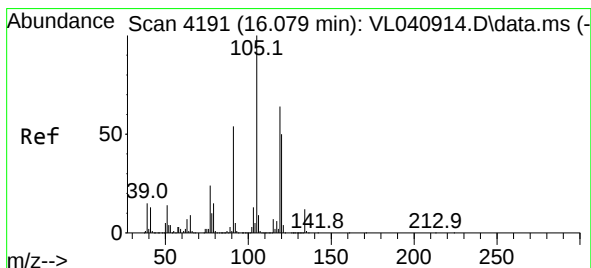
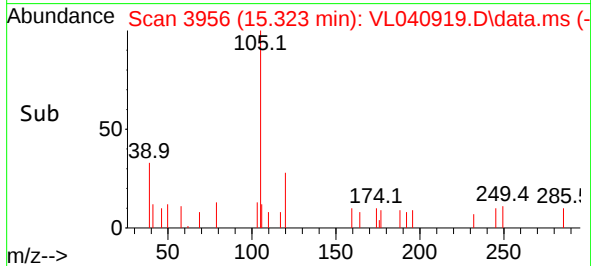
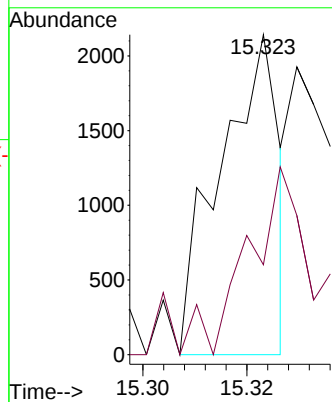
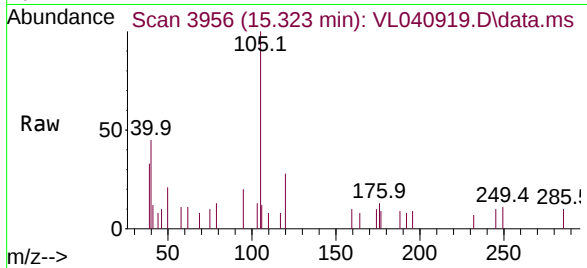




#73
1,3,5-Trimethylbenzene
Concen: 0.007 ppbv
RT: 15.323 min Scan# 3955
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

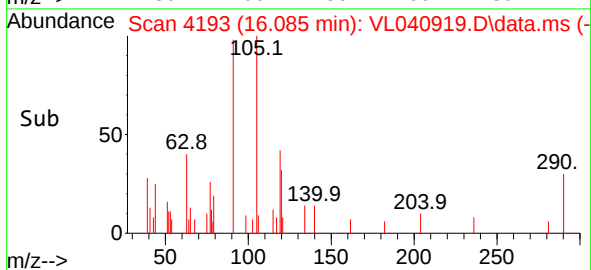
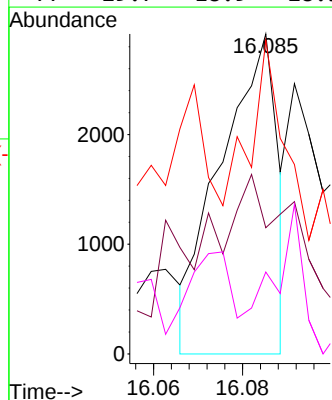
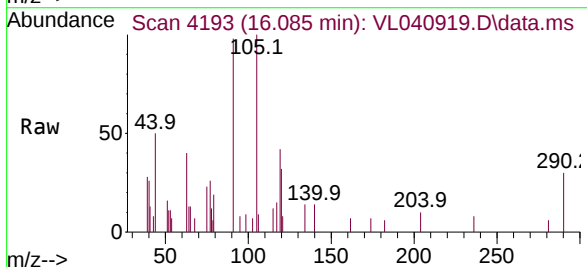
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

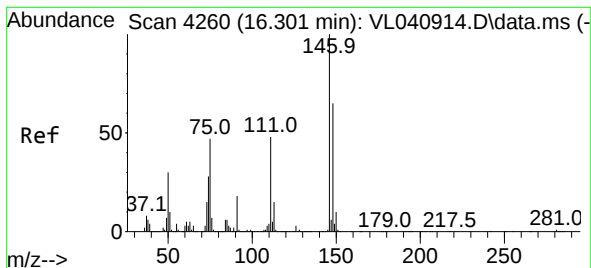
Tgt Ion:105 Resp: 1684
Ion Ratio Lower Upper
105 100
120 25.1 37.8 56.8#



#74
1,2,4-Trimethylbenzene
Concen: 0.009 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. 0.006 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion:105 Resp: 2599
Ion Ratio Lower Upper
105 100
120 7.8 40.2 60.4#
91 39.1 43.0 64.6#
77 29.7 18.9 28.3#





#75

1,3-Dichlorobenzene

Concen: 0.014 ppbv

RT: 16.310 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

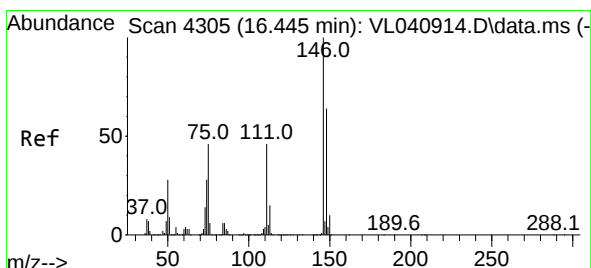
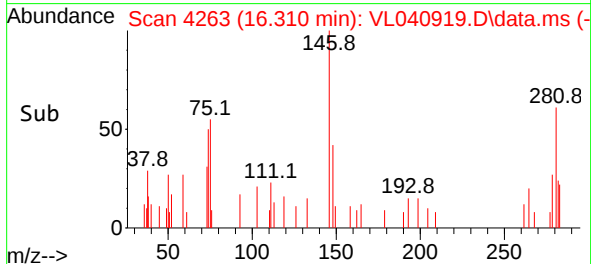
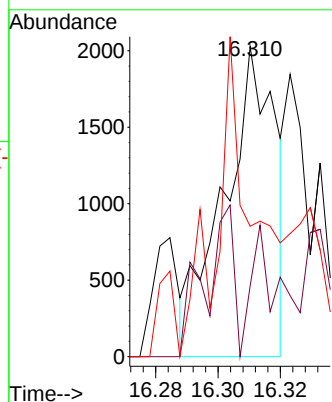
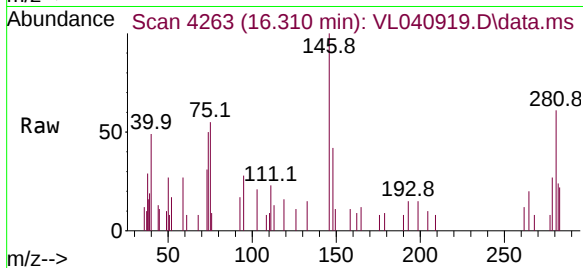
Tgt Ion:146 Resp: 2321

Ion Ratio Lower Upper

146 100

111 0.0 24.7 74.1#

148 124.1 32.1 96.5#



#76

1,4-Dichlorobenzene

Concen: 0.007 ppbv

RT: 16.452 min Scan# 4307

Delta R.T. 0.006 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

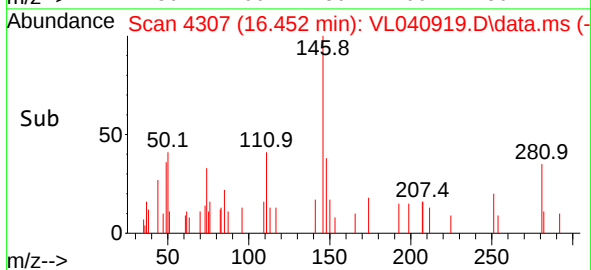
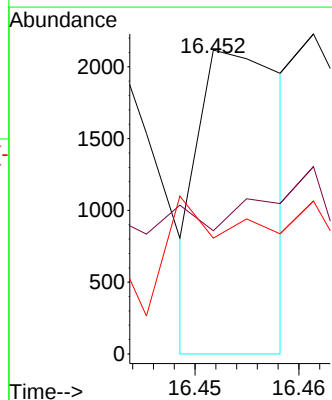
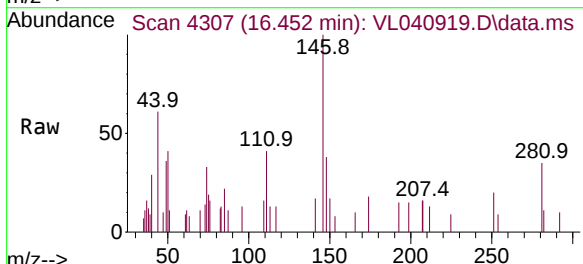
Tgt Ion:146 Resp: 1183

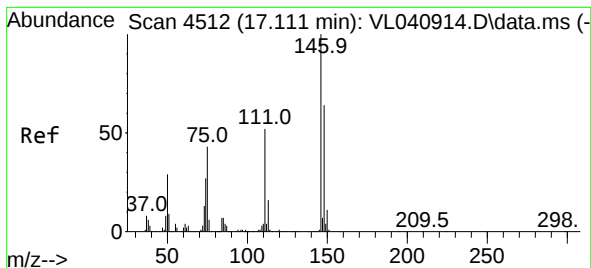
Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.4#

148 0.0 33.2 99.6#





#77

1,2-Dichlorobenzene

Concen: 0.004 ppbv

RT: 17.114 min Scan# 4513

Delta R.T. 0.003 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

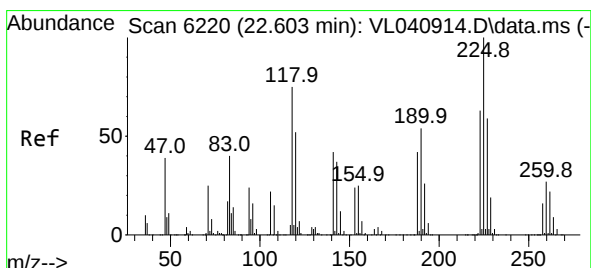
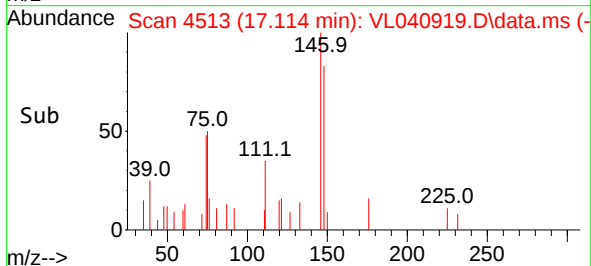
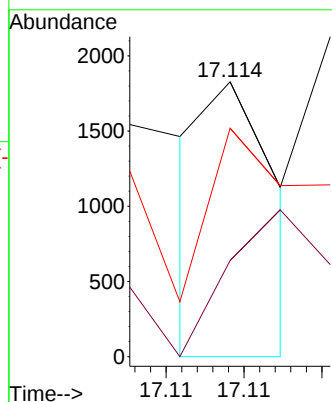
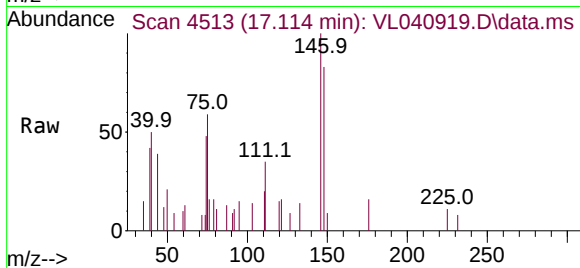
Tgt Ion:146 Resp: 570

Ion Ratio Lower Upper

146 100

111 0.0 25.5 76.5#

148 554.4 32.2 96.6#



#78

Hexachloro-1,3-Butadiene

Concen: 0.005 ppbv

RT: 22.612 min Scan# 6223

Delta R.T. 0.010 min

Lab File: VL040919.D

Acq: 20 Dec 2023 14:17

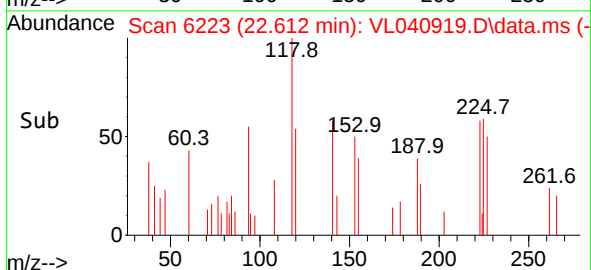
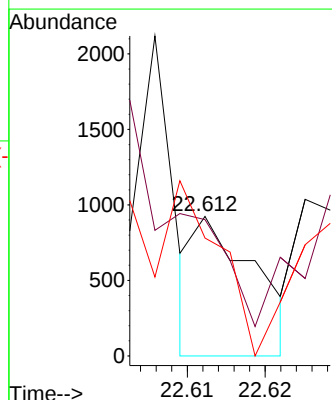
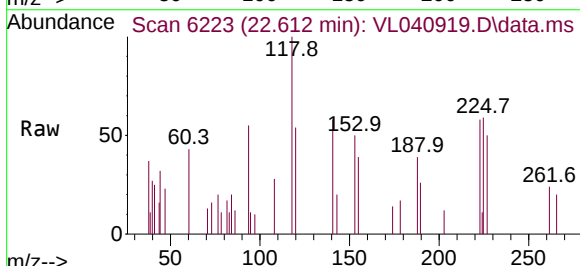
Tgt Ion:225 Resp: 498

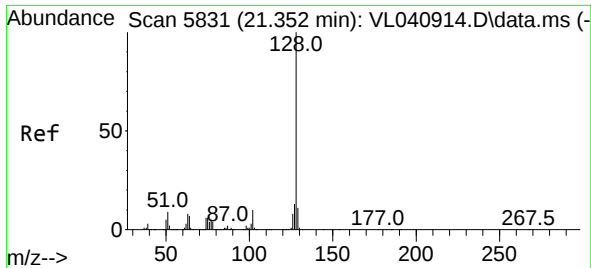
Ion Ratio Lower Upper

225 100

223 0.0 51.5 77.3#

227 494.8 51.7 77.5#

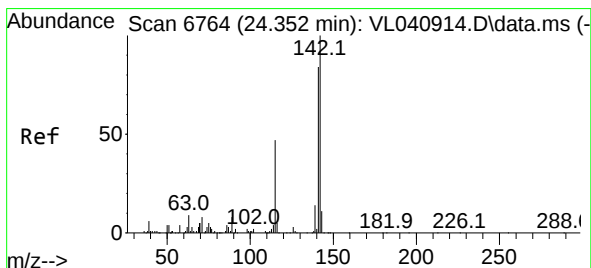
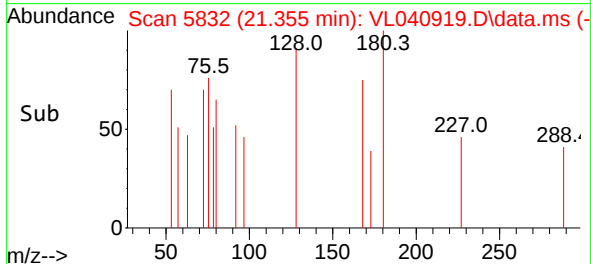
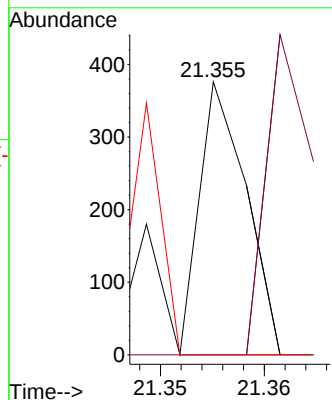
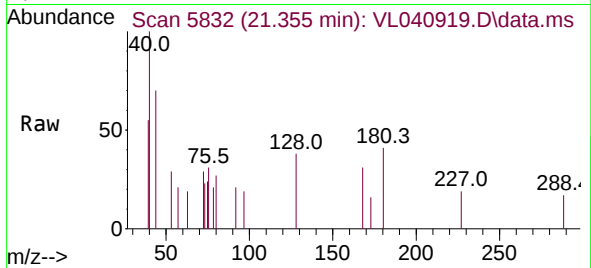




#79
Naphthalene
Concen: 0.001 ppbv
RT: 21.355 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

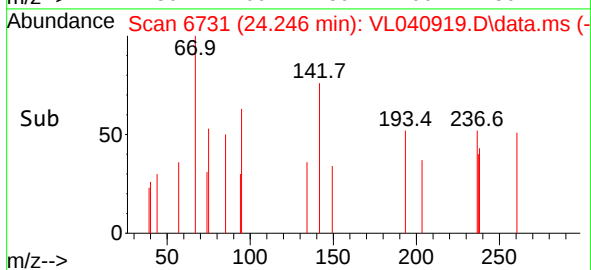
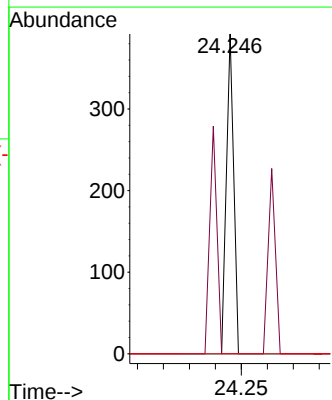
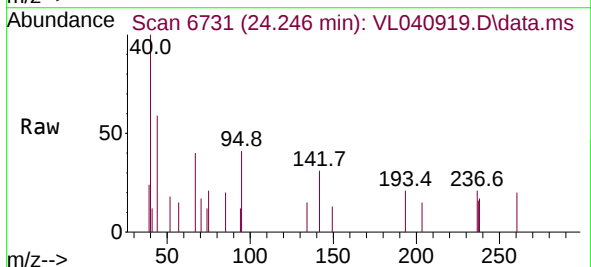
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

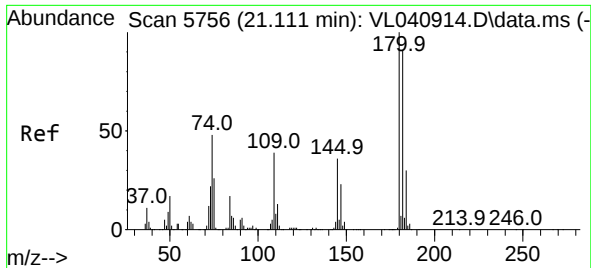
Tgt Ion:128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#



#80
Naphthalene,2-methyl-
Concen: 0.003 ppbv
RT: 24.246 min Scan# 6731
Delta R.T. -0.106 min
Lab File: VL040919.D
Acq: 20 Dec 2023 14:17

Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
141 0.0 68.5 102.7#
115 202.6 34.5 51.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.004 ppbv

RT: 21.117 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040919.D

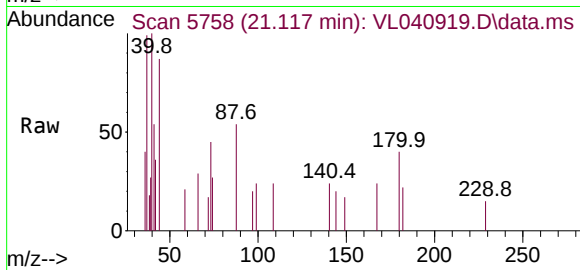
Acq: 20 Dec 2023 14:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03



Tgt Ion:180 Resp: 330

Ion Ratio Lower Upper

180 100

182 0.0 79.4 119.0#

184 0.0 24.5 36.7#

