

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040913.D
 Acq On : 20 Dec 2023 10:29
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Dec 21 07:06:56 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	5.169	49	1087835	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	3167820	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2805599	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2120932	10.263	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	128274	0.619	ppbv	98
3) Chlorodifluoromethane	2.665	51	100037	0.611	ppbv	100
4) Chloromethane	2.806	50	37589	0.623	ppbv	97
5) Vinyl Chloride	2.906	62	37063	0.660	ppbv	92
6) Bromomethane	3.112	94	16062	0.622	ppbv	89
7) Chloroethane	3.182	64	8422	0.405	ppbv #	87
8) Dichlorotetrafluoroethane	2.848	85	93731	0.628	ppbv	100
9) Propene	2.684	41	33805	0.626	ppbv	99
10) Heptane	7.552	43	80119	0.597	ppbv	97
11) Trichlorofluoromethane	3.549	101	102267	0.631	ppbv	85
12) 1,1,2-Trichlorotrifluo...	4.050	101	71463	0.568	ppbv	96
13) Ethanol	3.250	45	6702	0.555	ppbv #	51
14) Bromoethene	3.356	108	25457	0.552	ppbv #	83
15) Acetone	3.472	43	80483	0.617	ppbv	91
16) 1,3-Butadiene	2.977	39	28984	0.516	ppbv	93
17) tert-Butyl alcohol	3.877	59	58898	0.610	ppbv #	92
18) 1,1-Dichloroethene	3.867	96	31147	0.600	ppbv	97
19) Isopropyl Alcohol	3.578	45	46371	0.672	ppbv #	89
20) Methylene Chloride	3.919	84	27918	0.594	ppbv	96
21) Allyl Chloride	3.980	41	43860	0.569	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	13086	0.219	ppbv	91
23) Vinyl Acetate	4.616	43	49942	0.339	ppbv #	92
24) 1,1-Dichloroethane	4.542	63	68221	0.530	ppbv #	94
25) Ethyl Acetate	5.192	43	111220	0.492	ppbv	99
26) Hexane	5.195	57	51829	0.514	ppbv	94
27) Carbon Disulfide	4.112	76	70262	0.518	ppbv #	92
28) Methyl tert-Butyl Ether	4.581	73	50045	0.538	ppbv	91
29) Chloroform	5.253	83	89401	0.529	ppbv	91
30) Cyclohexane	6.581	84	45702	0.547	ppbv #	92
31) cis-1,2-Dichloroethene	5.057	61	33836	0.329	ppbv	95
32) 1,1,1-Trichloroethane	5.980	97	52334	0.325	ppbv #	30
34) 2-Butanone	4.777	43	68702	0.410	ppbv	95
35) Carbon Tetrachloride	6.468	117	60188	0.302	ppbv	90
36) Benzene	6.343	78	129391	0.523	ppbv	95
37) 1,2-Dichloroethane	5.780	62	73392	0.495	ppbv	98
38) Trichloroethene	7.263	130	30769	0.323	ppbv	93
39) 1,2-Dichloropropane	7.047	63	42824	0.439	ppbv	96
40) 1,4-Dioxane	7.298	88	15147	0.375	ppbv #	1
41) Tetrahydrofuran	5.555	42	42988	0.423	ppbv	90
42) Bromodichloromethane	7.218	83	102101	0.477	ppbv	93
43) Methyl Methacrylate	7.452	69	39374	0.408	ppbv	80
44) 2,2,4-Trimethylpentane	7.304	57	208995	0.497	ppbv	95
45) t-1,3-Dichloropropene	8.680	75	15576	0.218	ppbv	97

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 ClientSampleId :
 VSTDICC0.5

Quant Time: Dec 21 07:06:56 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

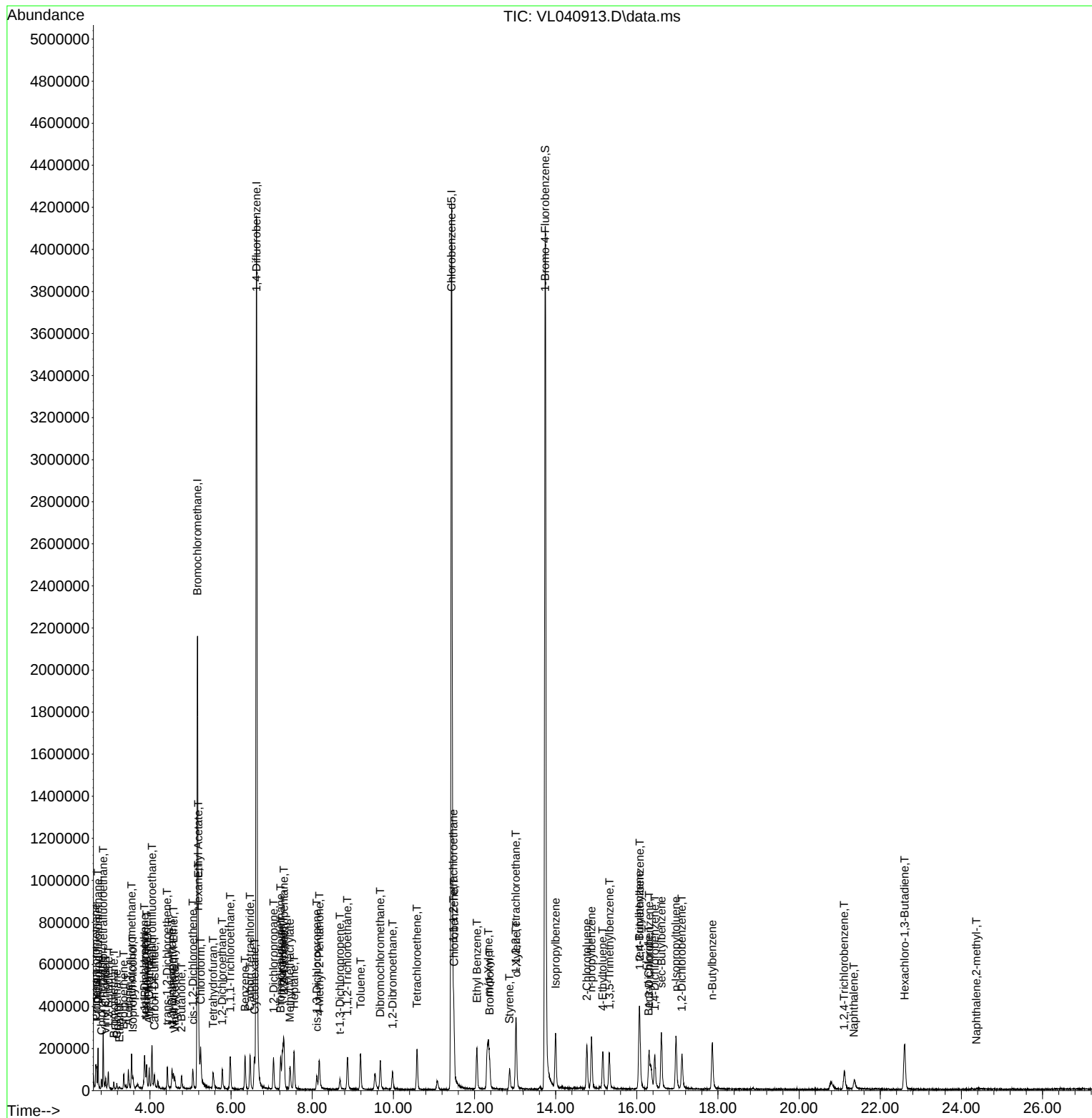
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.115	75	37638	0.422	ppbv	87
47) 1,1,2-Trichloroethane	8.864	97	23546	0.225	ppbv	91
48) Dibromochloromethane	9.674	129	37886	0.215	ppbv #	10
49) Bromoform	12.375	173	40110	0.294	ppbv #	70
50) 4-Methyl-2-Pentanone	8.176	43	121359	0.477	ppbv	98
52) Tetrachloroethene	10.578	164	19503	0.234	ppbv	94
53) Toluene	9.192	91	132357	0.478	ppbv	99
54) 1,2-Dibromoethane	9.983	107	35390	0.248	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.478	131	59832	0.488	ppbv #	1
57) Chlorobenzene	11.494	112	104851	0.506	ppbv #	89
58) Ethyl Benzene	12.060	91	178190	0.494	ppbv	99
59) m/p-Xylene	12.339	91	148047	0.483	ppbv #	100
60) o-Xylene	13.028	91	89034	0.308	ppbv #	58
61) Styrene	12.864	104	57855	0.420	ppbv	98
62) Isopropylbenzene	13.999	105	220453	0.515	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	113089	0.545	ppbv	97
64) n-propylbenzene	14.883	120	51526	0.477	ppbv	69
65) tert-Butylbenzene	16.063	119	185574	0.502	ppbv	92
66) Benzyl Chloride	16.288	91	2350	0.094	ppbv #	66
67) sec-Butylbenzene	16.606	105	274393	0.519	ppbv	98
69) p-Isopropyltoluene	16.963	119	196486	0.478	ppbv	96
70) n-Butylbenzene	17.857	91	200298	0.469	ppbv	99
71) 2-Chlorotoluene	14.770	91	163946	0.497	ppbv	99
72) 4-Ethyltoluene	15.156	105	66313	0.209	ppbv #	48
73) 1,3,5-Trimethylbenzene	15.323	105	132507	0.484	ppbv	98
74) 1,2,4-Trimethylbenzene	16.072	105	75147	0.247	ppbv #	88
75) 1,3-Dichlorobenzene	16.301	146	82783	0.474	ppbv	92
76) 1,4-Dichlorobenzene	16.442	146	12441	0.073	ppbv #	1
77) 1,2-Dichlorobenzene	17.108	146	49125	0.292	ppbv #	29
78) Hexachloro-1,3-Butadiene	22.603	225	26260	0.251	ppbv #	11
79) Naphthalene	21.349	128	16663	0.117	ppbv	97
80) Naphthalene,2-methyl-	24.371	142	1797	0.072	ppbv #	26
81) 1,2,4-Trichlorobenzene	21.104	180	11354	0.133	ppbv #	11

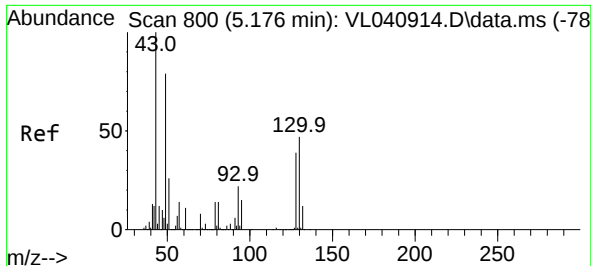
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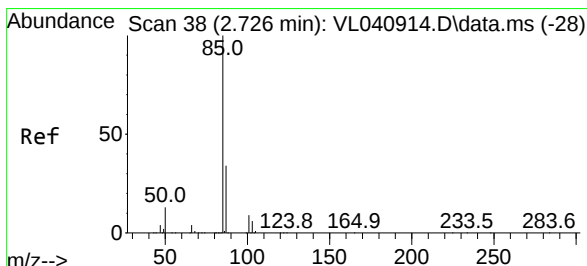
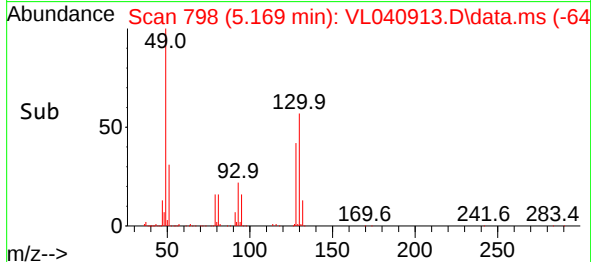
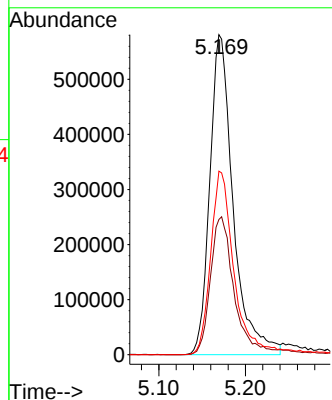
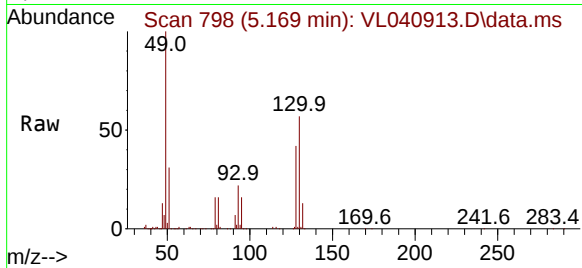




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

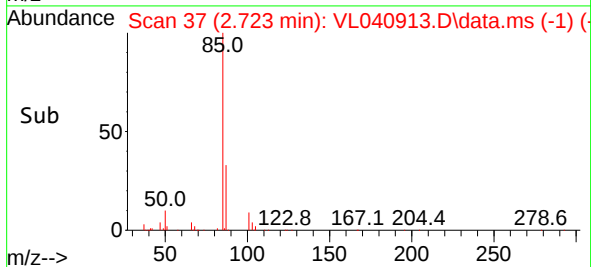
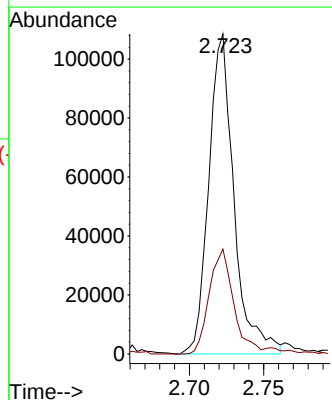
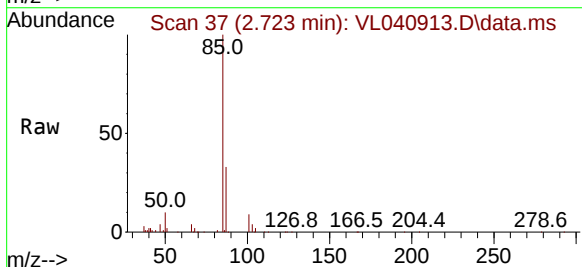
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

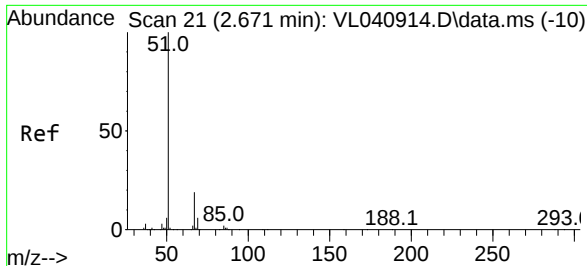
Tgt Ion: 49 Resp: 1087835
Ion Ratio Lower Upper
49 100
128 45.1 23.8 71.2
130 58.8 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.619 ppbv
RT: 2.723 min Scan# 37
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 85 Resp: 128274
Ion Ratio Lower Upper
85 100
87 32.8 27.0 40.6

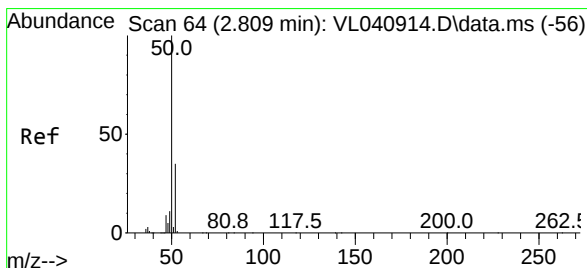
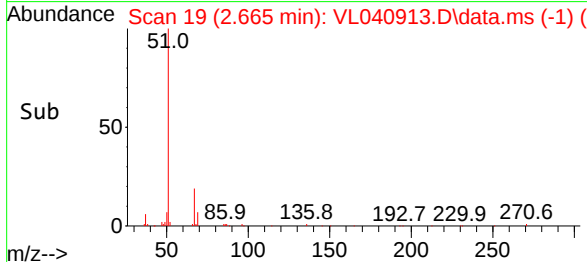
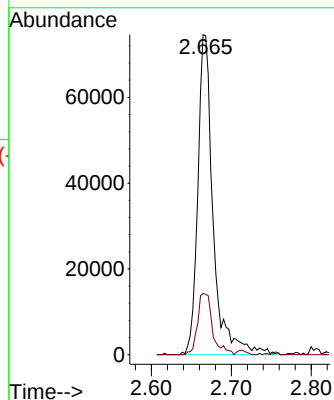
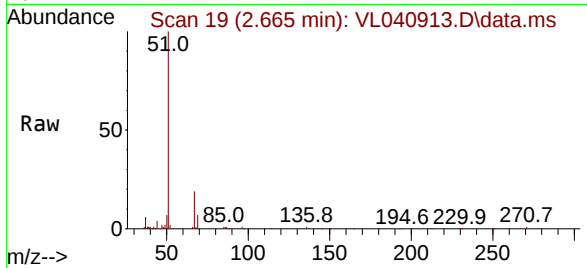




#3
Chlorodifluoromethane
Concen: 0.611 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

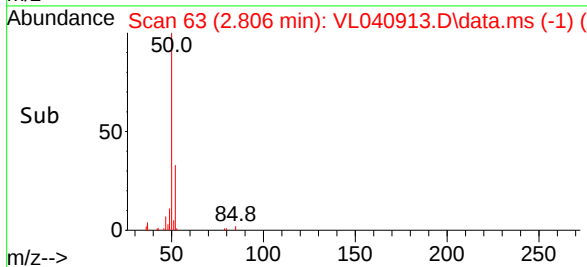
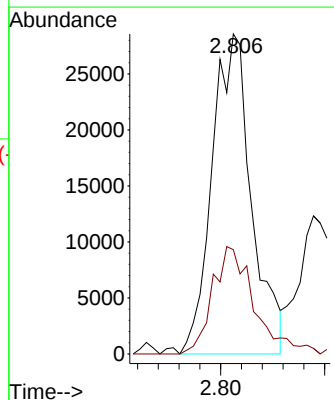
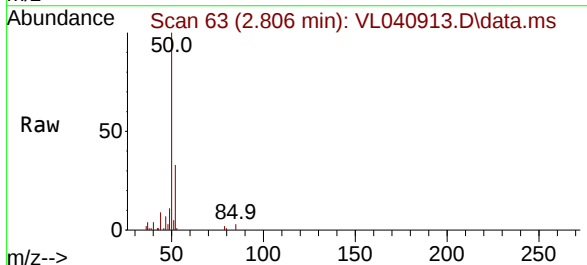
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

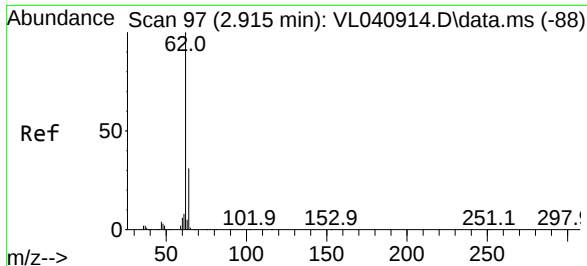
Tgt Ion: 51 Resp: 100037
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1



#4
Chloromethane
Concen: 0.623 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 50 Resp: 37589
Ion Ratio Lower Upper
50 100
52 33.4 28.0 42.0

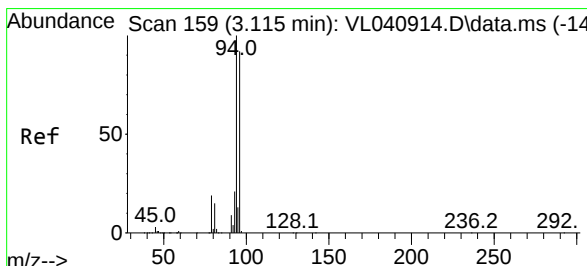
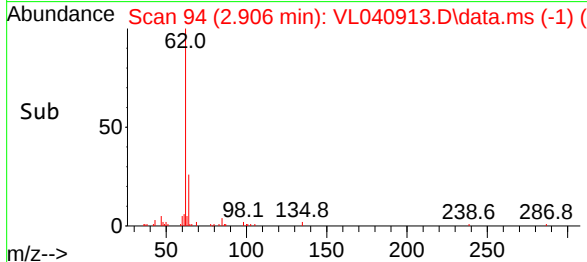
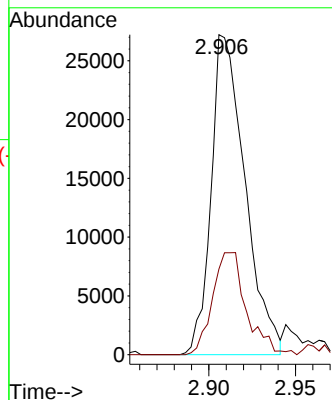
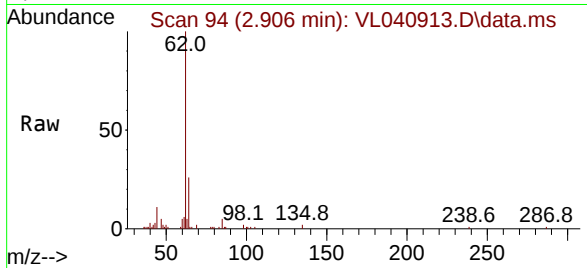




#5
 Vinyl Chloride
 Concen: 0.660 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. -0.009 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

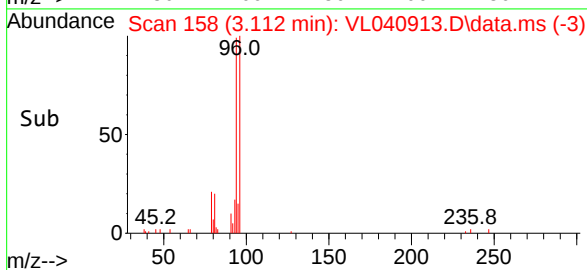
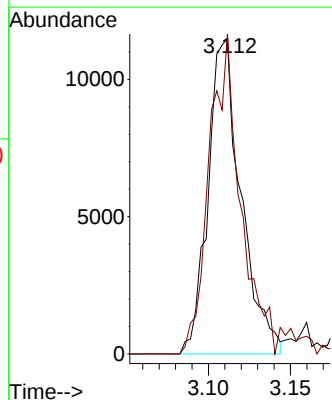
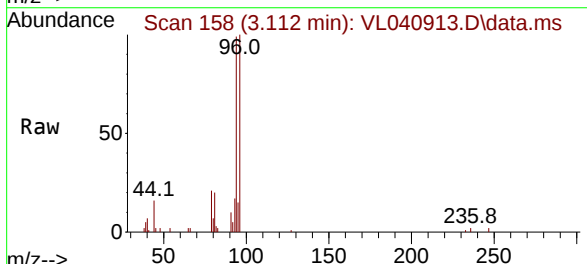
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

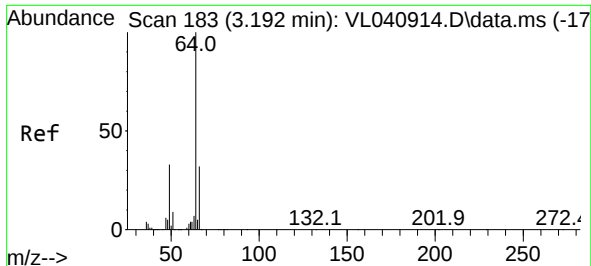
Tgt Ion: 62 Resp: 37063
 Ion Ratio Lower Upper
 62 100
 64 26.8 24.9 37.3



#6
 Bromomethane
 Concen: 0.622 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

Tgt Ion: 94 Resp: 16062
 Ion Ratio Lower Upper
 94 100
 96 101.5 73.2 109.8

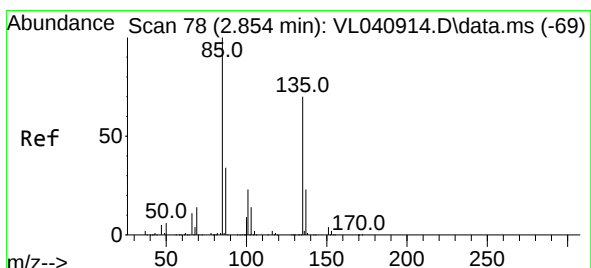
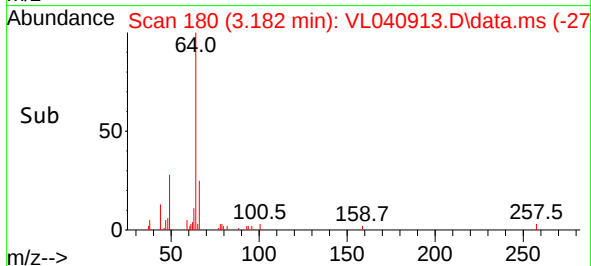
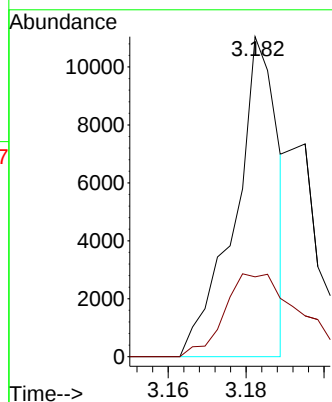
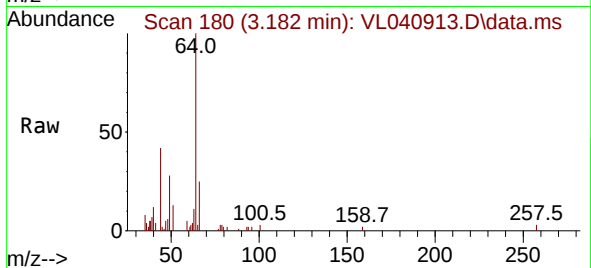




#7
Chloroethane
Concen: 0.405 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.009 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

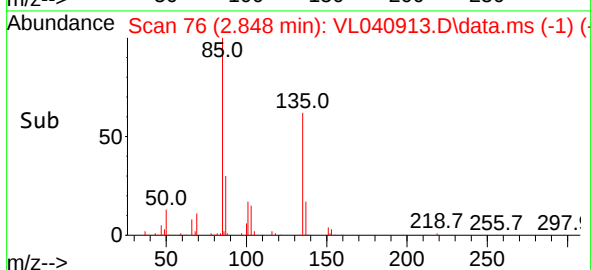
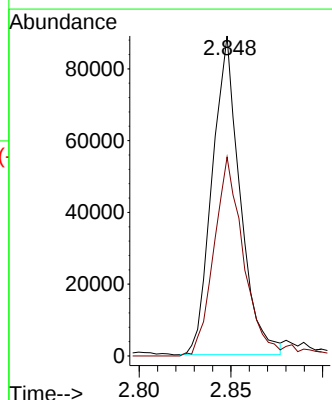
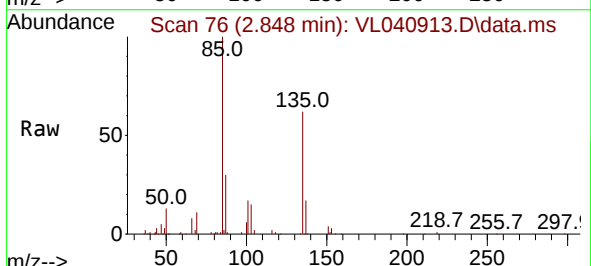
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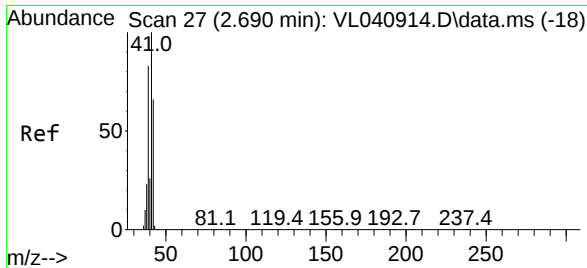
Tgt Ion: 64 Resp: 8422
Ion Ratio Lower Upper
64 100
66 25.0 25.7 38.5#



#8
Dichlorotetrafluoroethane
Concen: 0.628 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 85 Resp: 93731
Ion Ratio Lower Upper
85 100
135 70.0 55.8 83.8





#9

Propene

Concen: 0.626 ppbv

RT: 2.684 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

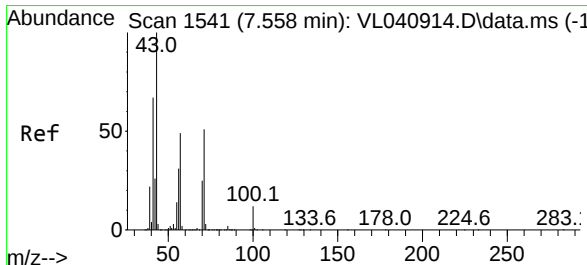
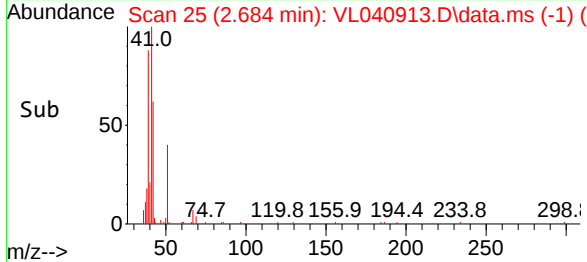
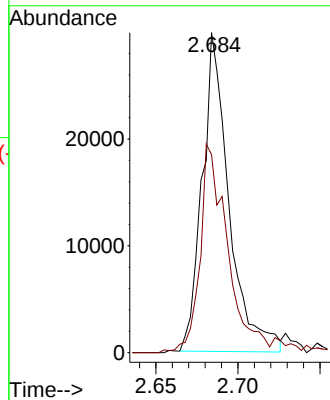
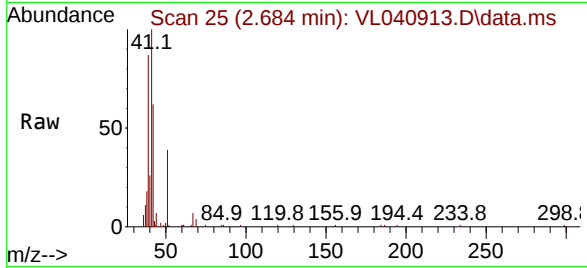
VSTDICC0.5

Tgt Ion: 41 Resp: 33805

Ion Ratio Lower Upper

41 100

42 70.9 55.8 83.6



#10

Heptane

Concen: 0.597 ppbv

RT: 7.552 min Scan# 1539

Delta R.T. -0.006 min

Lab File: VL040913.D

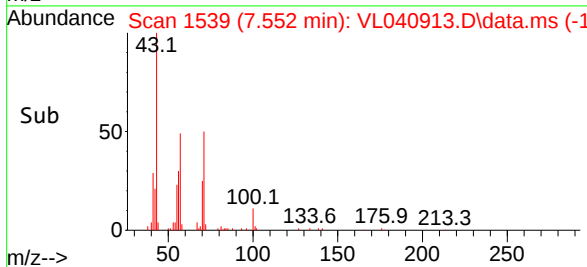
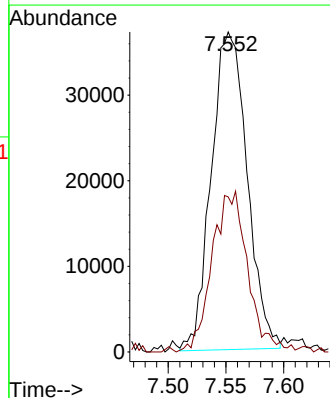
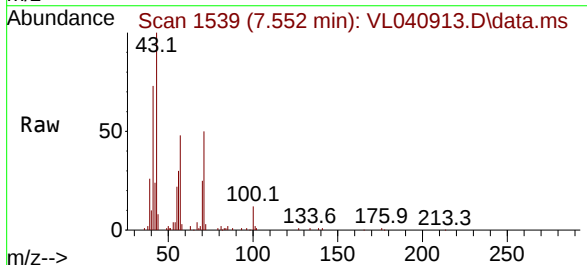
Acq: 20 Dec 2023 10:29

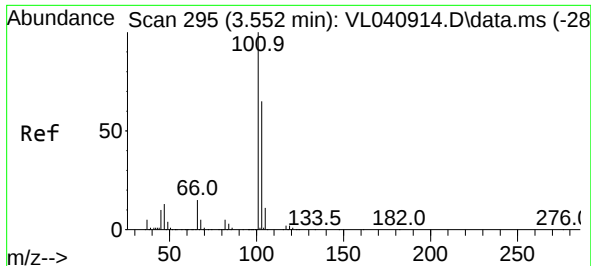
Tgt Ion: 43 Resp: 80119

Ion Ratio Lower Upper

43 100

57 51.2 39.3 58.9

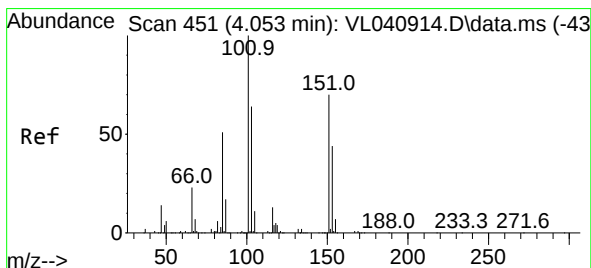
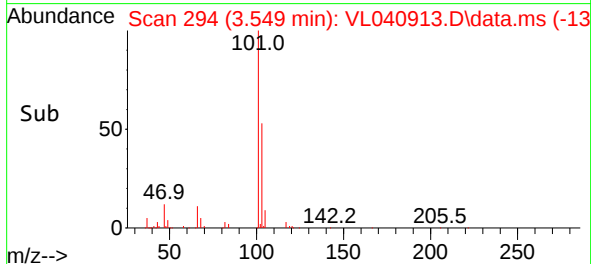
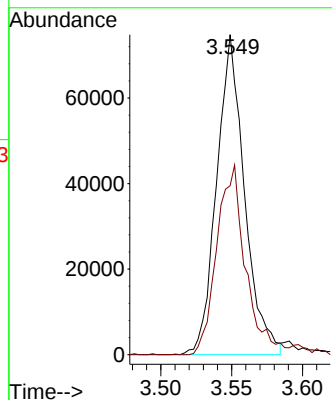
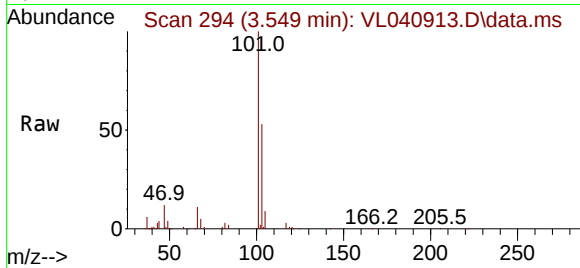




#11
 Trichlorofluoromethane
 Concen: 0.631 ppbv
 RT: 3.549 min Scan# 295
 Delta R.T. -0.003 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

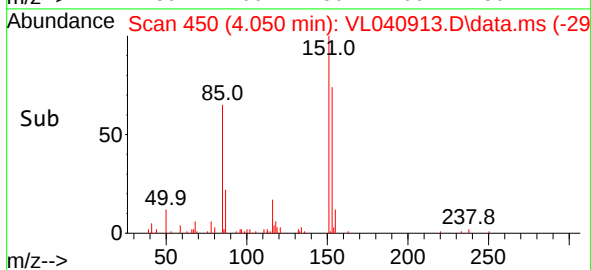
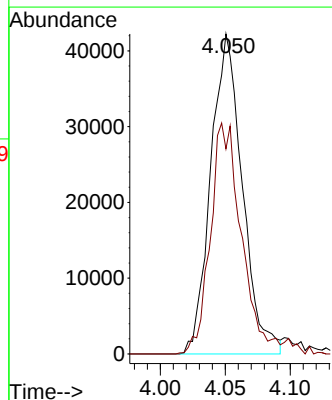
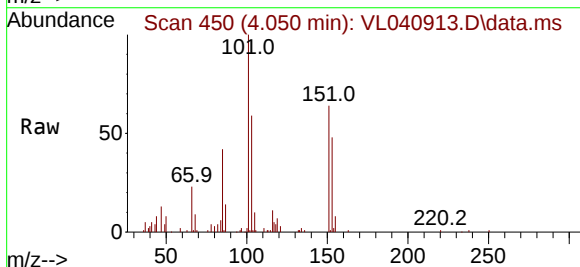
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

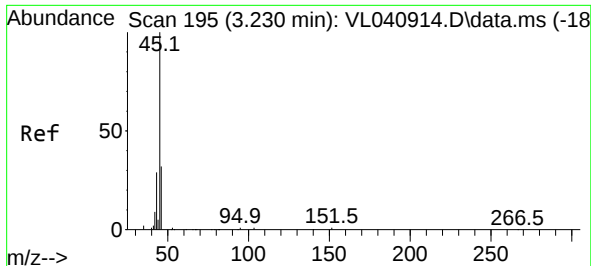
Tgt Ion:101 Resp: 102267
 Ion Ratio Lower Upper
 101 100
 103 52.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.568 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. -0.003 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

Tgt Ion:101 Resp: 71463
 Ion Ratio Lower Upper
 101 100
 151 72.8 55.8 83.8

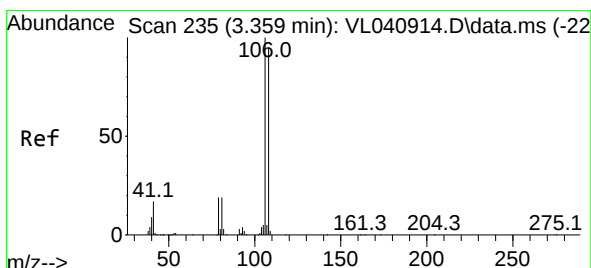
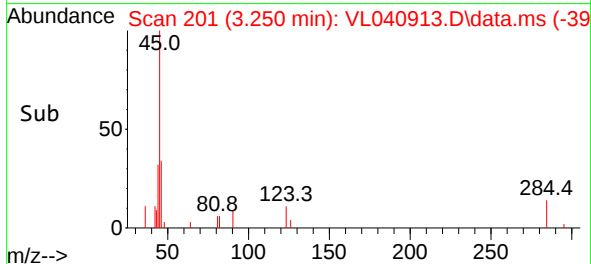
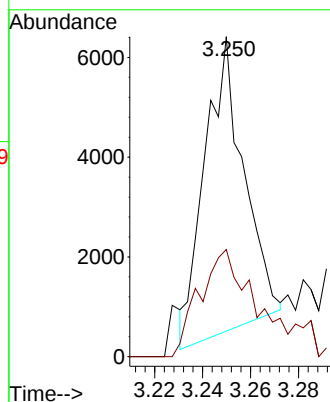
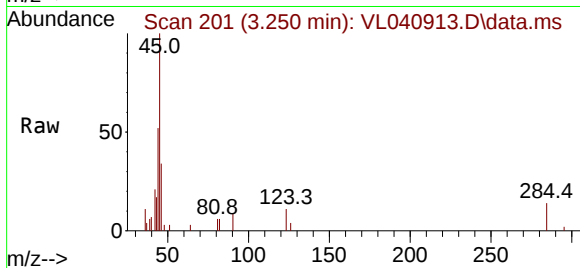




#13
Ethanol
Concen: 0.555 ppbv
RT: 3.250 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

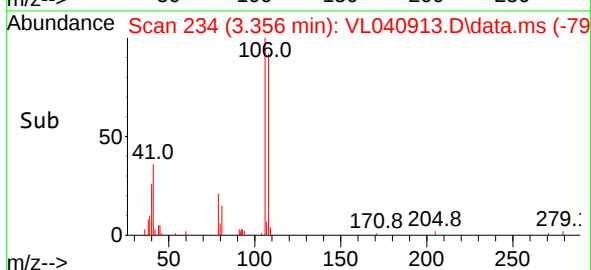
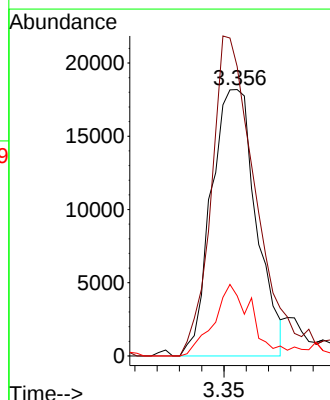
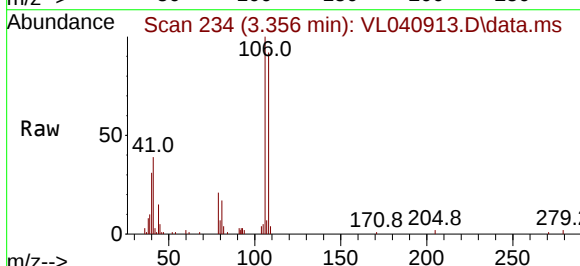
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

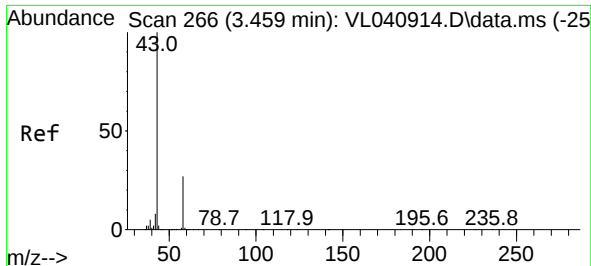
Tgt Ion: 45 Resp: 6702
Ion Ratio Lower Upper
45 100
46 66.8 15.0 60.0#



#14
Bromoethene
Concen: 0.552 ppbv
RT: 3.356 min Scan# 234
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion:108 Resp: 25457
Ion Ratio Lower Upper
108 100
106 127.7 87.5 131.3
79 26.6 16.6 24.8#

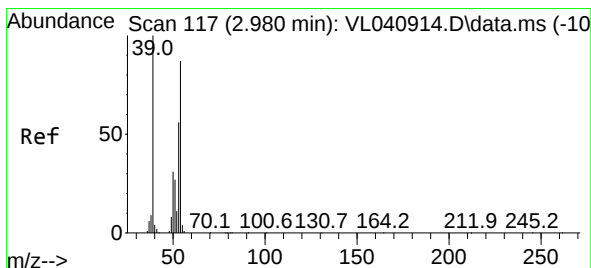
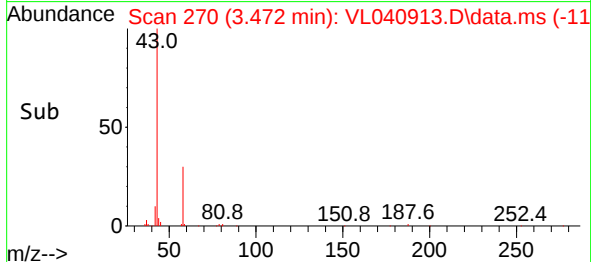
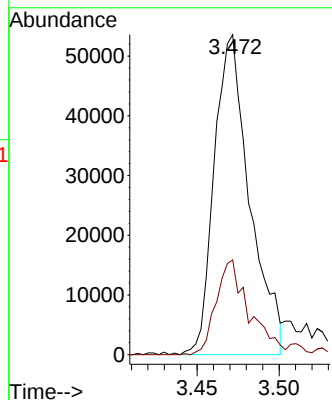
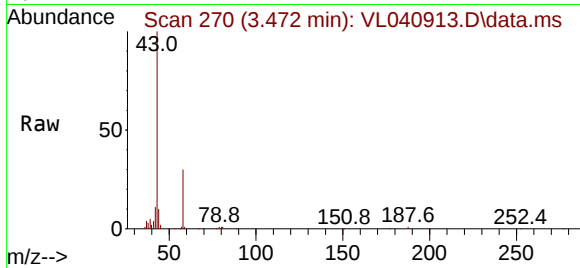




#15
Acetone
Concen: 0.617 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

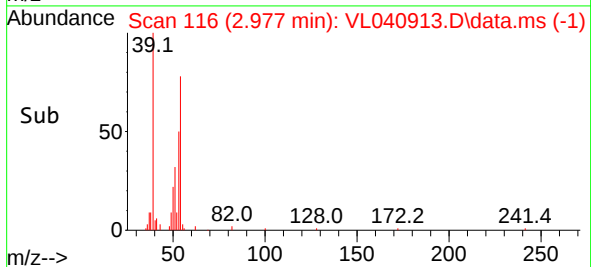
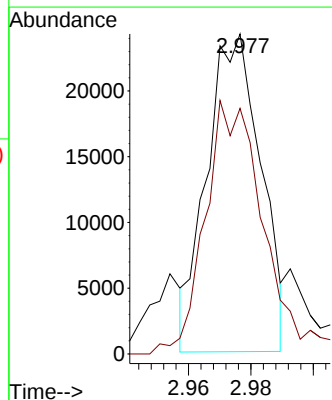
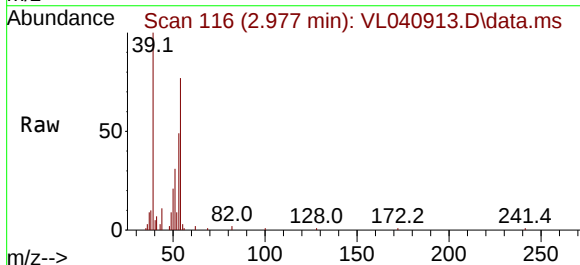
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

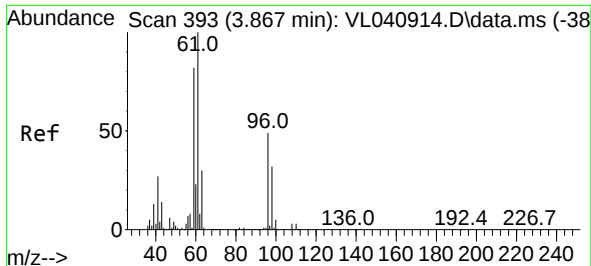
Tgt Ion: 43 Resp: 80483
Ion Ratio Lower Upper
43 100
58 30.0 20.6 30.8



#16
1,3-Butadiene
Concen: 0.516 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 39 Resp: 28984
Ion Ratio Lower Upper
39 100
54 86.3 63.8 95.6





#17

tert-Butyl alcohol

Concen: 0.610 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.010 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

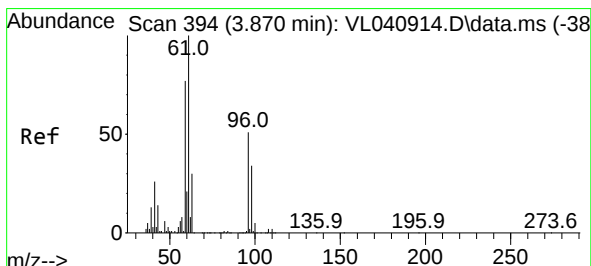
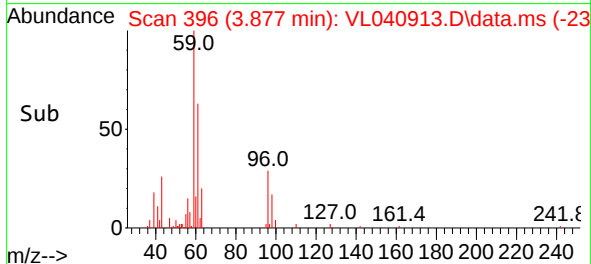
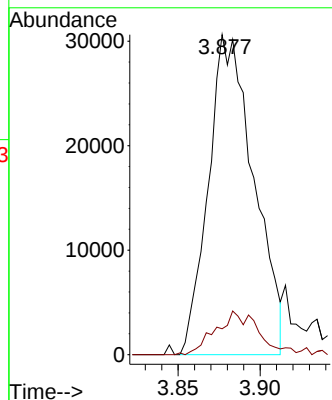
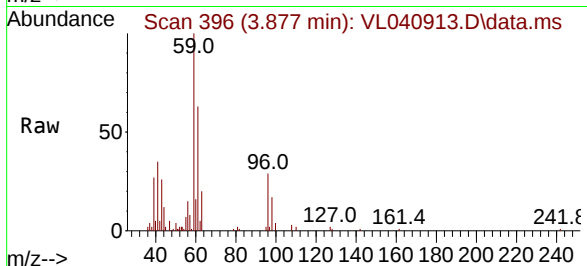
VSTDIC0.5

Tgt Ion: 59 Resp: 58898

Ion Ratio Lower Upper

59 100

57 13.3 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.600 ppbv

RT: 3.867 min Scan# 393

Delta R.T. -0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

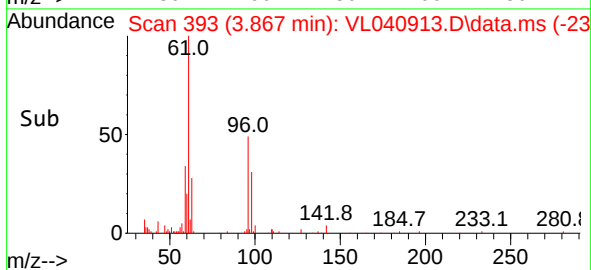
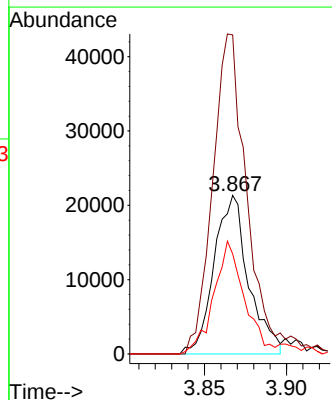
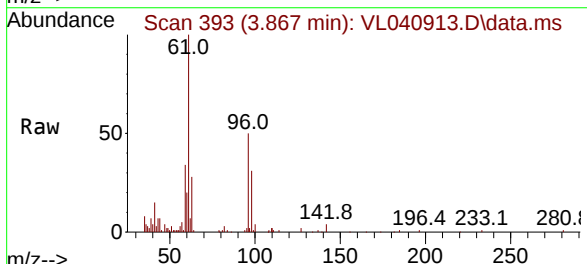
Tgt Ion: 96 Resp: 31147

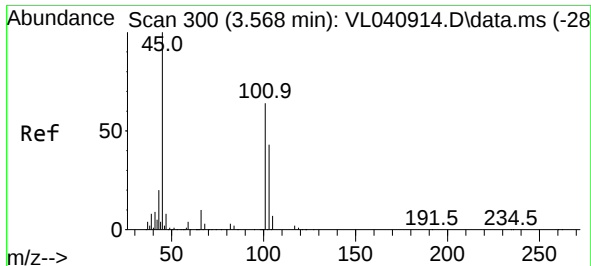
Ion Ratio Lower Upper

96 100

61 199.8 156.6 235.0

98 63.1 52.5 78.7





#19

Isopropyl Alcohol

Concen: 0.672 ppbv

RT: 3.578 min Scan# 300

Delta R.T. 0.010 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

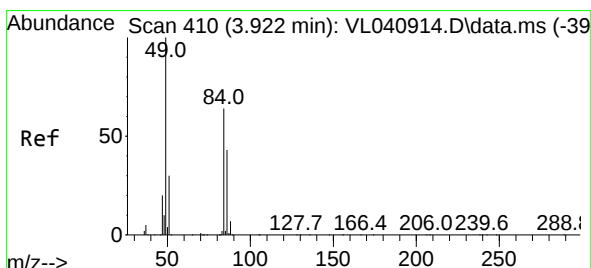
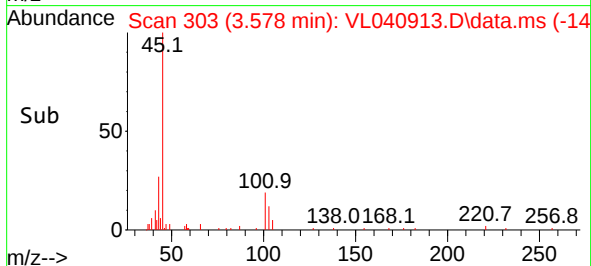
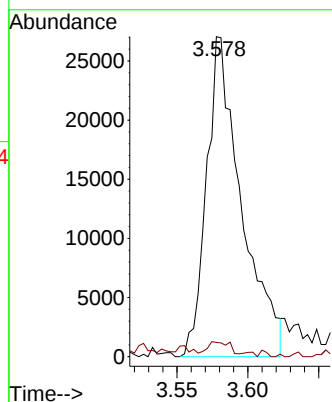
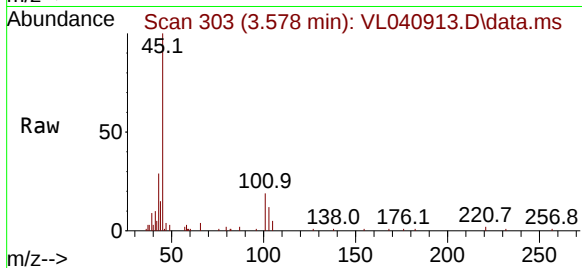
VSTDICC0.5

Tgt Ion: 45 Resp: 46371

Ion Ratio Lower Upper

45 100

58 5.8 1.5 2.3#



#20

Methylene Chloride

Concen: 0.594 ppbv

RT: 3.919 min Scan# 409

Delta R.T. -0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Tgt Ion: 84 Resp: 27918

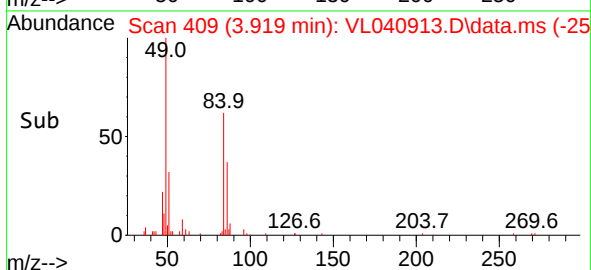
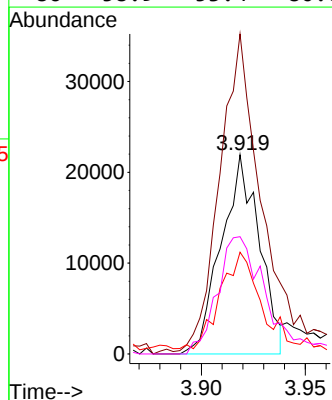
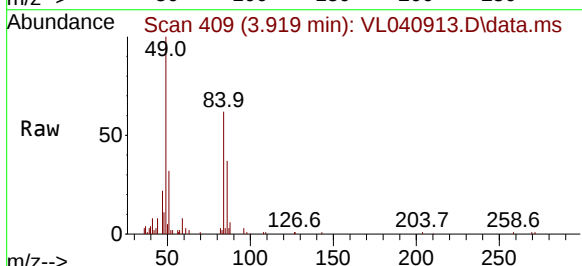
Ion Ratio Lower Upper

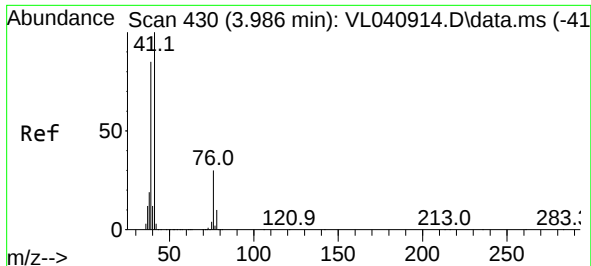
84 100

49 159.0 124.6 187.0

51 47.0 37.2 55.8

86 58.9 53.4 80.0





#21

Allyl Chloride

Concen: 0.569 ppbv

RT: 3.980 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

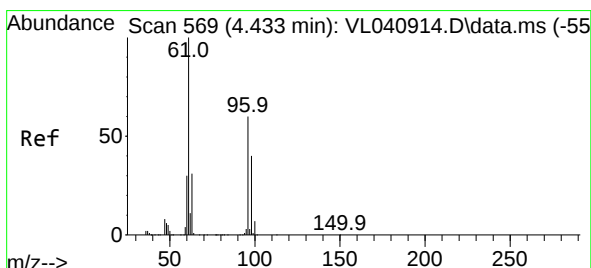
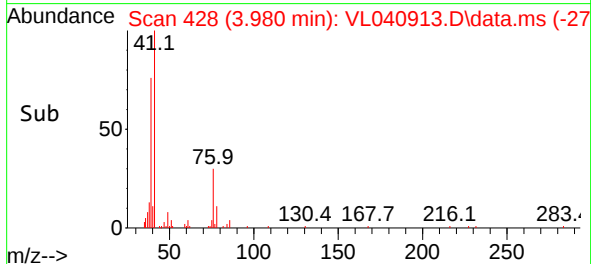
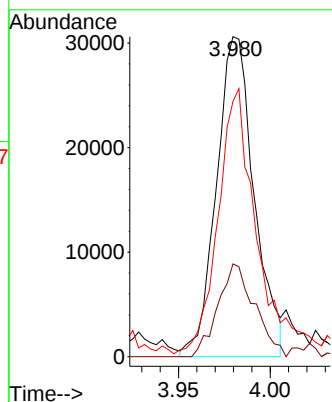
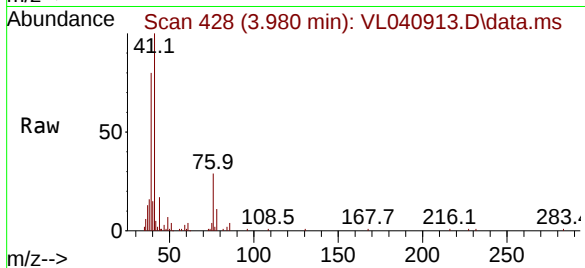
Tgt Ion: 41 Resp: 43860

Ion Ratio Lower Upper

41 100

76 30.9 23.9 35.9

39 83.8 66.5 99.7



#22

trans-1,2-Dichloroethene

Concen: 0.219 ppbv

RT: 4.423 min Scan# 566

Delta R.T. -0.009 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

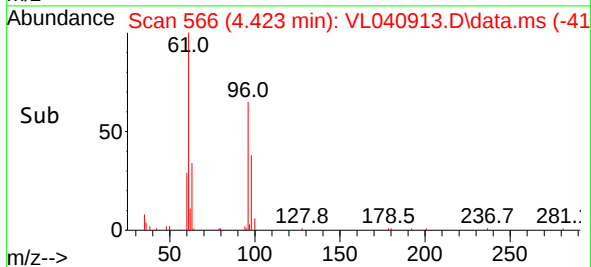
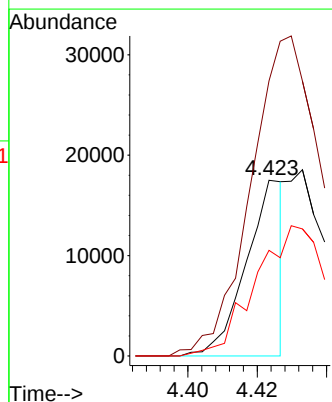
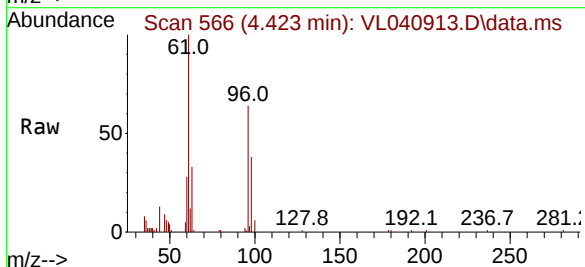
Tgt Ion: 96 Resp: 13086

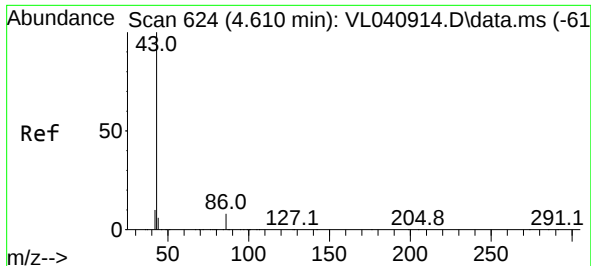
Ion Ratio Lower Upper

96 100

61 153.0 133.0 199.6

98 60.1 53.7 80.5

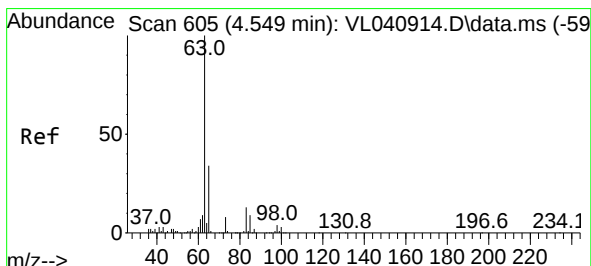
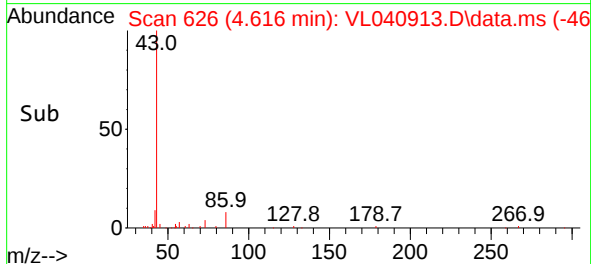
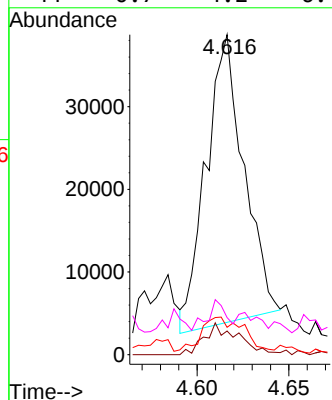
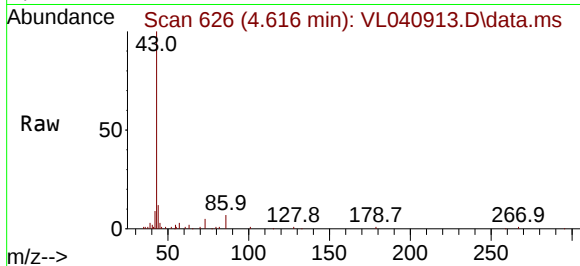




#23
Vinyl Acetate
Concen: 0.339 ppbv
RT: 4.616 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

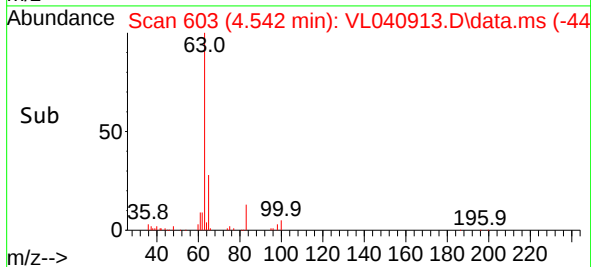
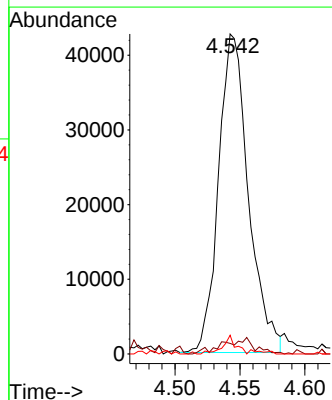
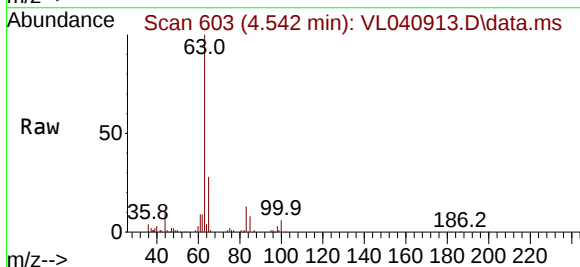
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

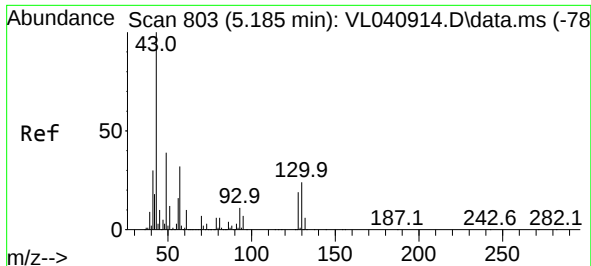
Tgt Ion:	43	Resp:	49942
Ion	Ratio	Lower	Upper
43	100		
86	8.6	5.5	8.3#
42	8.2	8.4	12.6#
44	0.7	4.2	6.4#



#24
1,1-Dichloroethane
Concen: 0.530 ppbv
RT: 4.542 min Scan# 603
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion:	63	Resp:	68221
Ion	Ratio	Lower	Upper
63	100		
98	2.8	2.1	6.5
100	5.9	1.4	4.2#



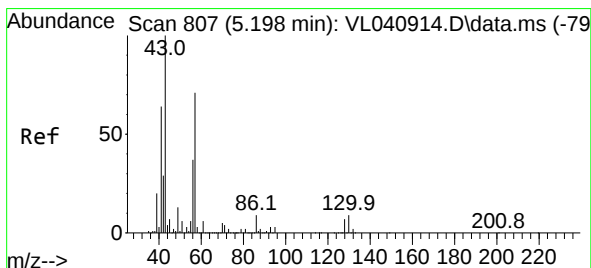
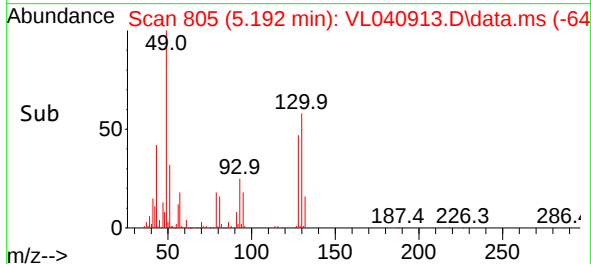
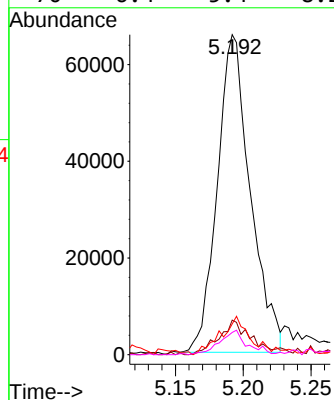
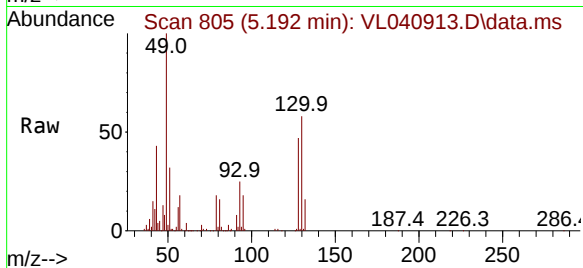


#25
Ethyl Acetate
Concen: 0.492 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.007 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 111220

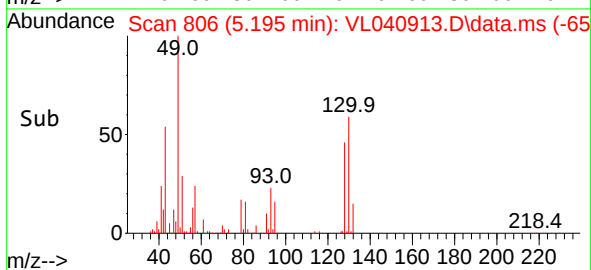
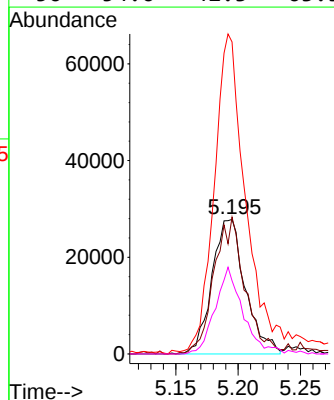
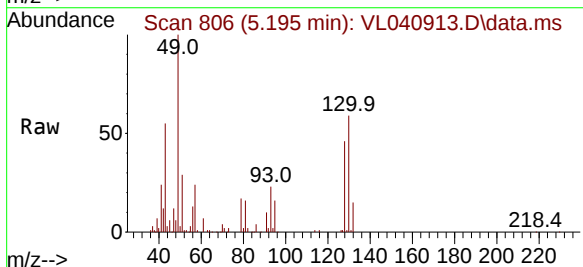
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.2
61	10.3	7.6	11.4
70	6.4	5.4	8.2

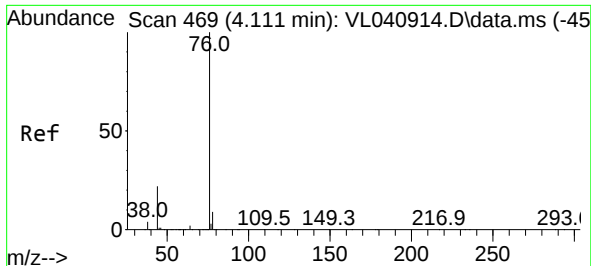


#26
Hexane
Concen: 0.514 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 57 Resp: 51829

Ion	Ratio	Lower	Upper
57	100		
41	96.7	75.2	112.8
43	248.3	188.0	282.0
56	54.6	42.3	63.5

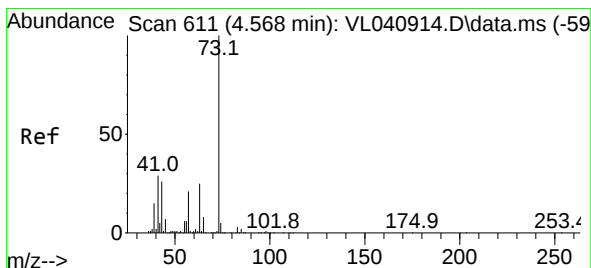
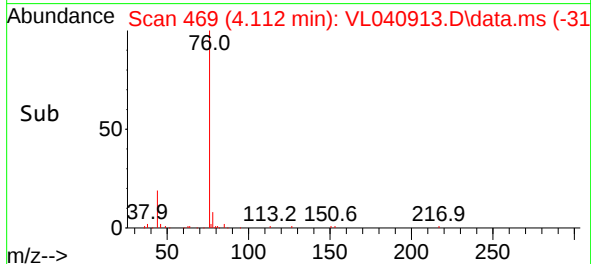
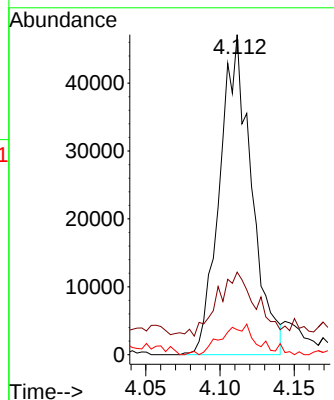
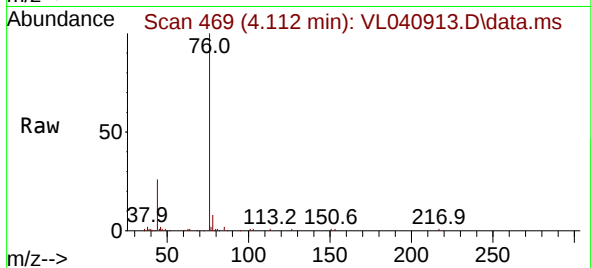




#27
Carbon Disulfide
Concen: 0.518 ppbv
RT: 4.112 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

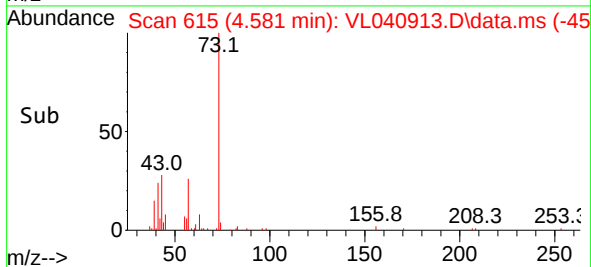
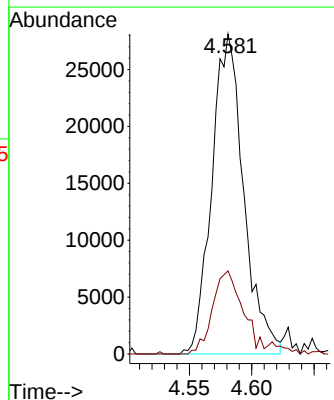
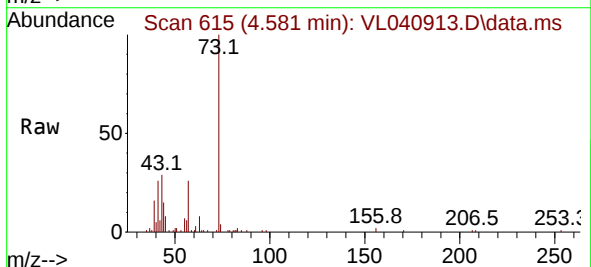
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

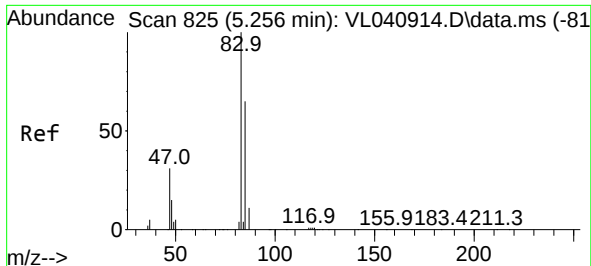
Tgt Ion: 76 Resp: 70262
Ion Ratio Lower Upper
76 100
44 28.1 18.4 27.6#
78 10.7 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 0.538 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.013 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 73 Resp: 50045
Ion Ratio Lower Upper
73 100
57 26.8 18.0 27.0





#29

Chloroform

Concen: 0.529 ppbv

RT: 5.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

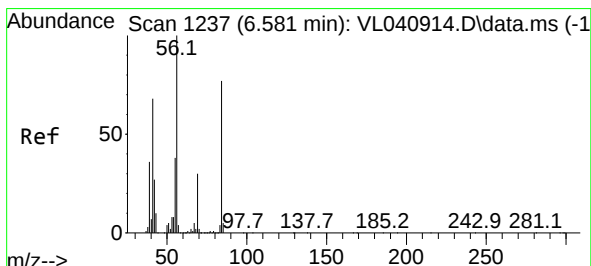
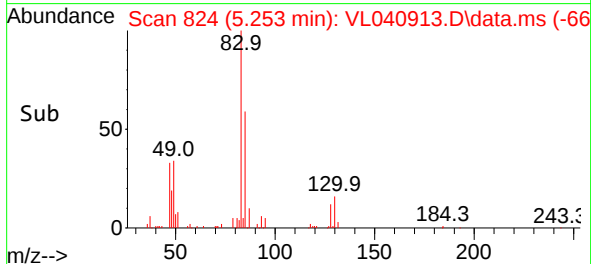
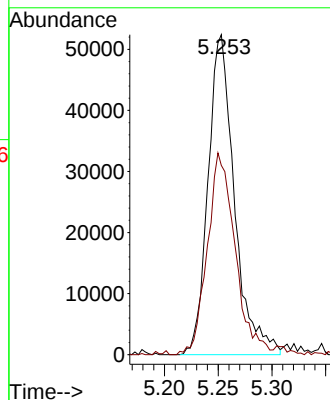
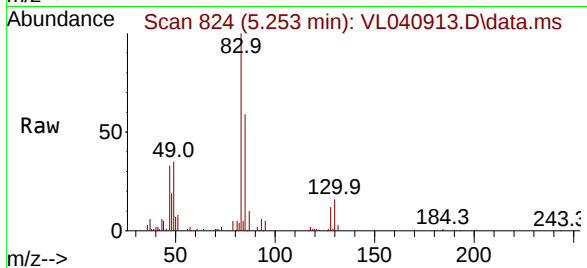
VSTDIC0.5

Tgt Ion: 83 Resp: 89401

Ion Ratio Lower Upper

83 100

85 58.1 52.3 78.5



#30

Cyclohexane

Concen: 0.547 ppbv

RT: 6.581 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

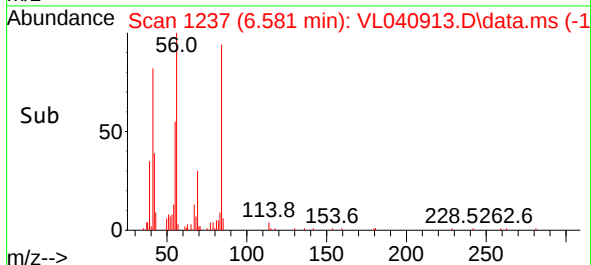
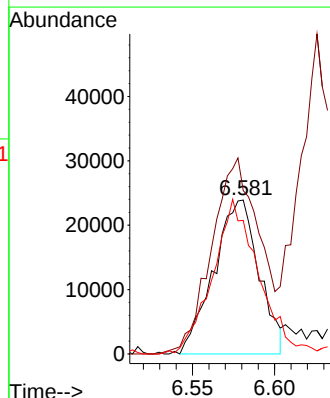
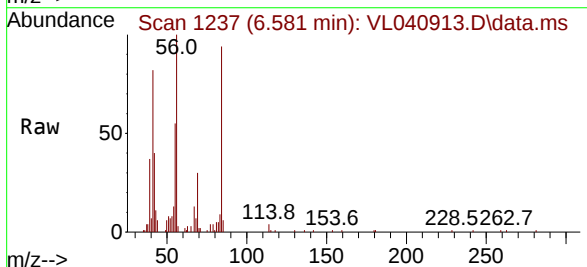
Tgt Ion: 84 Resp: 45702

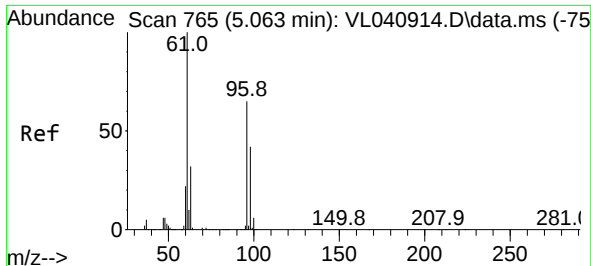
Ion Ratio Lower Upper

84 100

56 138.5 111.4 167.2

41 105.3 70.0 105.0#

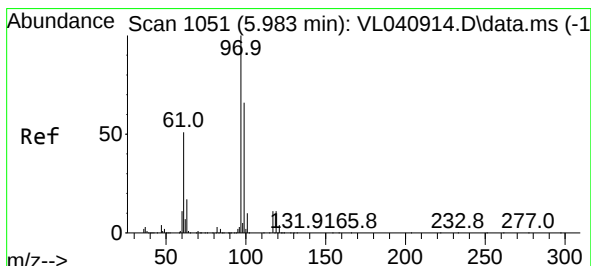
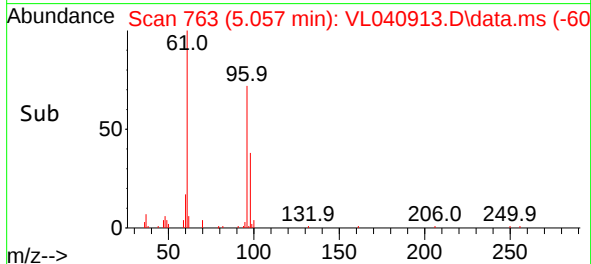
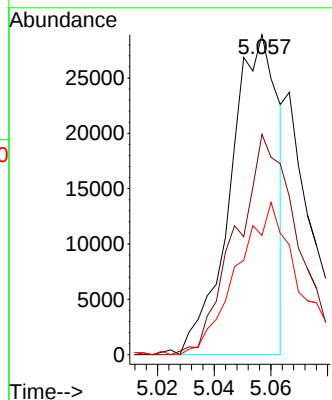
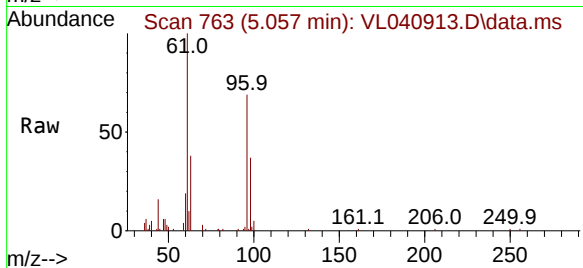




#31
 cis-1,2-Dichloroethene
 Concen: 0.329 ppbv
 RT: 5.057 min Scan# 763
 Delta R.T. -0.006 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

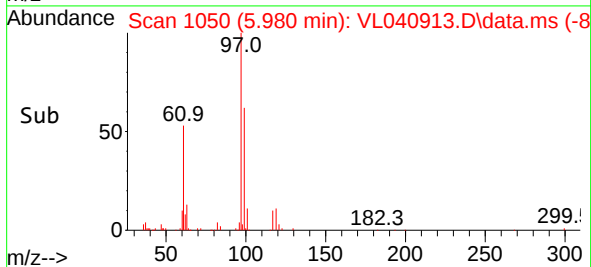
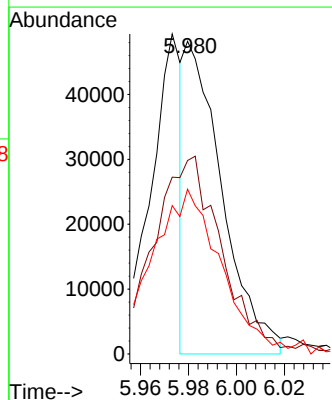
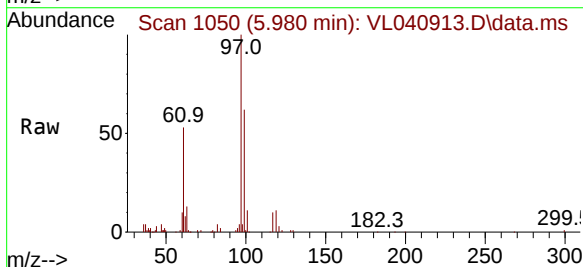
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

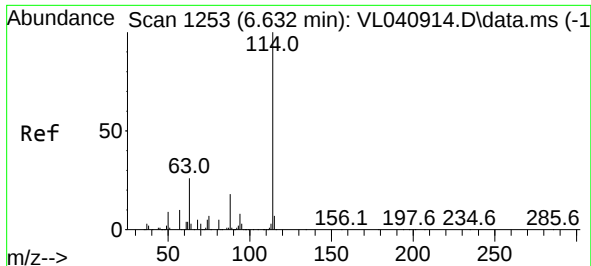
Tgt Ion: 61 Resp: 33836
 Ion Ratio Lower Upper
 61 100
 96 67.8 51.7 77.5
 98 37.3 33.2 49.8



#32
 1,1,1-Trichloroethane
 Concen: 0.325 ppbv
 RT: 5.980 min Scan# 1050
 Delta R.T. -0.003 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

Tgt Ion: 97 Resp: 52334
 Ion Ratio Lower Upper
 97 100
 99 118.8 51.8 77.6#
 61 102.0 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

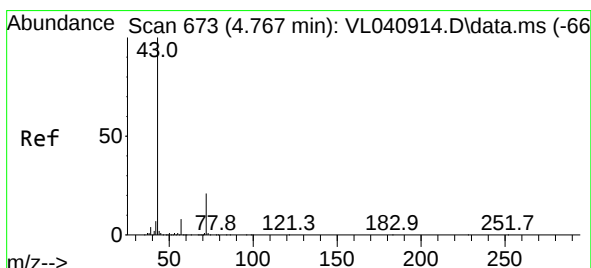
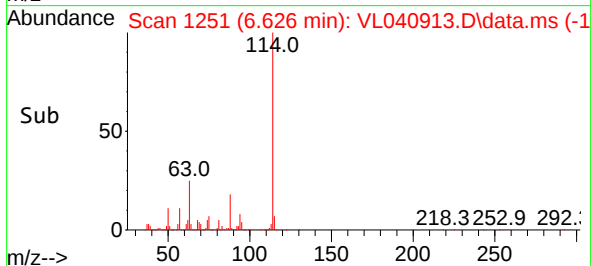
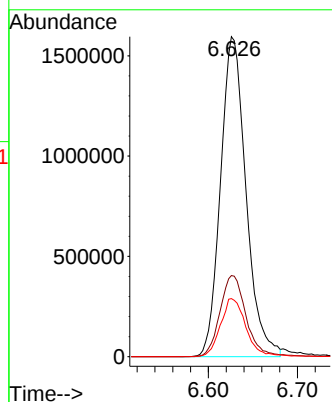
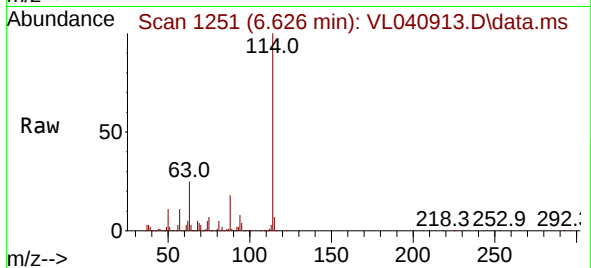
Tgt Ion:114 Resp: 3167820

Ion Ratio Lower Upper

114 100

63 26.4 21.0 31.6

88 18.4 14.3 21.5



#34

2-Butanone

Concen: 0.410 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.010 min

Lab File: VL040913.D

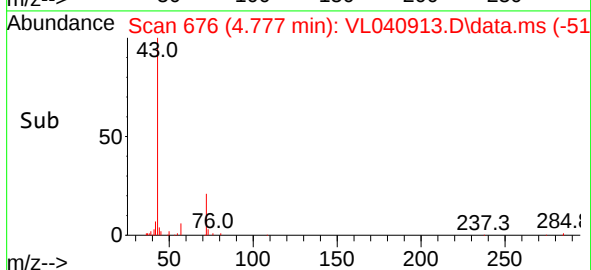
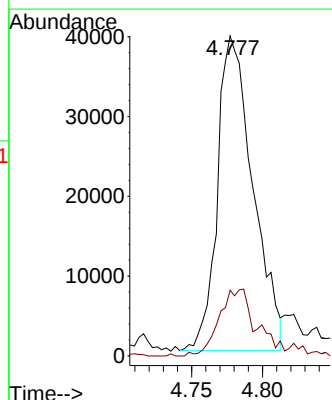
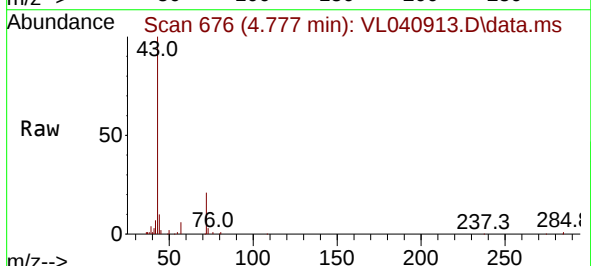
Acq: 20 Dec 2023 10:29

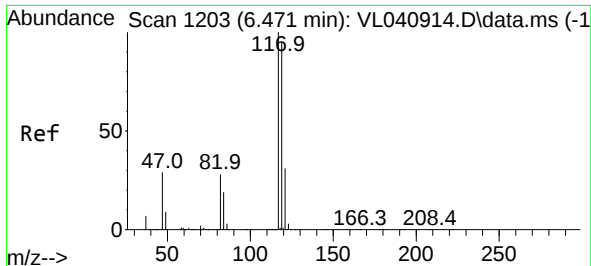
Tgt Ion: 43 Resp: 68702

Ion Ratio Lower Upper

43 100

72 24.1 17.2 25.8

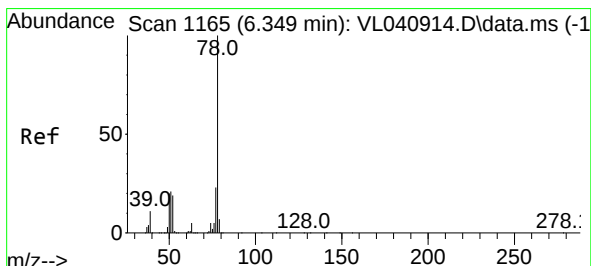
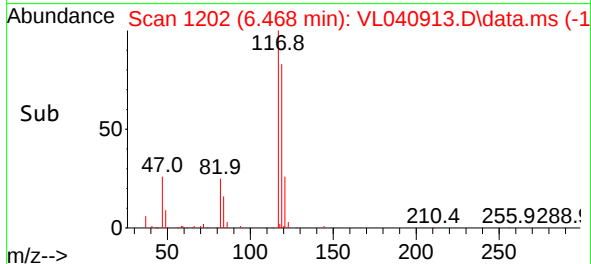
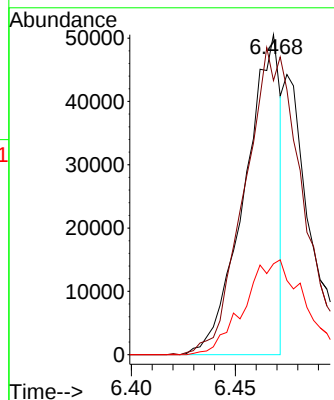
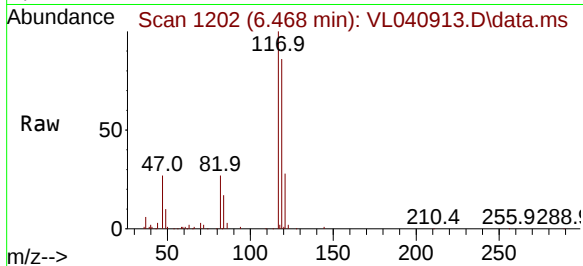




#35
Carbon Tetrachloride
Concen: 0.302 ppbv
RT: 6.468 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

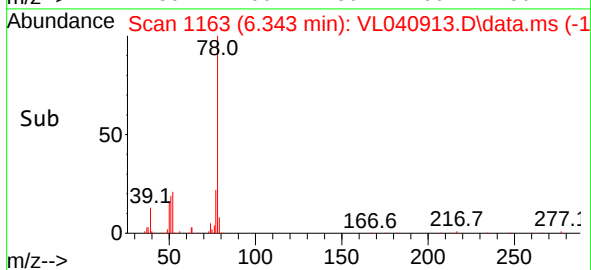
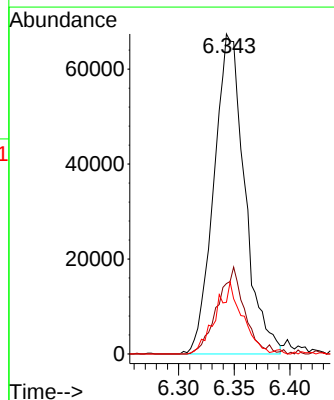
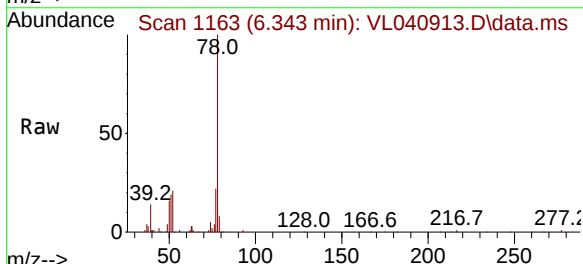
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

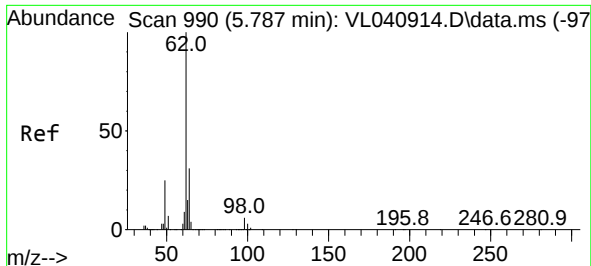
Tgt Ion:117 Resp: 60188
Ion Ratio Lower Upper
117 100
119 84.3 76.3 114.5
121 28.0 24.9 37.3



#36
Benzene
Concen: 0.523 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 78 Resp: 129391
Ion Ratio Lower Upper
78 100
77 22.1 18.4 27.6
50 16.2 16.0 24.0





#37

1,2-Dichloroethane

Concen: 0.495 ppbv

RT: 5.780 min Scan# 91

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

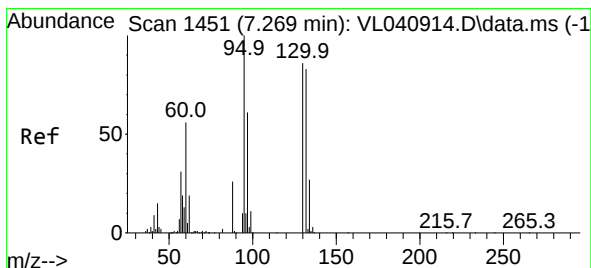
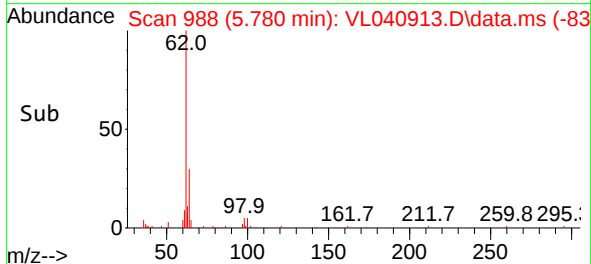
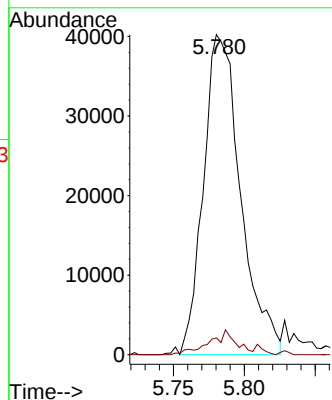
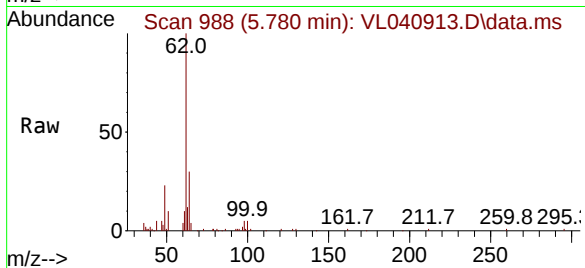
VSTDIC0.5

Tgt Ion: 62 Resp: 73392

Ion Ratio Lower Upper

62 100

98 6.5 4.6 7.0



#38

Trichloroethene

Concen: 0.323 ppbv

RT: 7.263 min Scan# 1449

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Tgt Ion:130 Resp: 30769

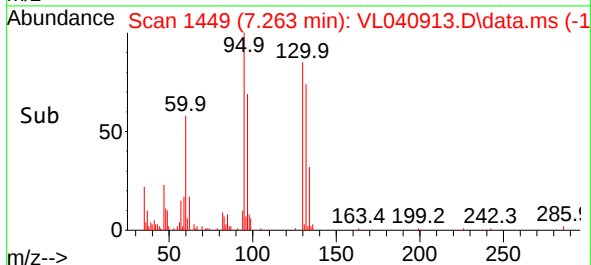
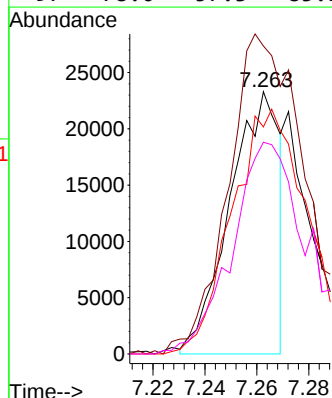
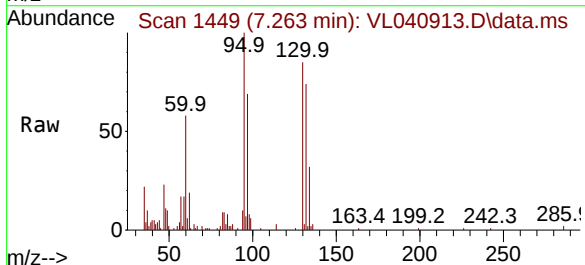
Ion Ratio Lower Upper

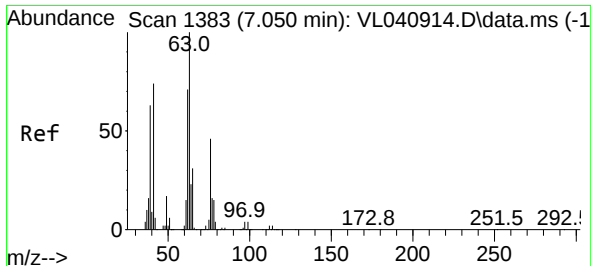
130 100

95 113.9 93.5 140.3

132 86.5 77.4 116.2

97 78.0 57.3 85.9





#39

1,2-Dichloropropane

Concen: 0.439 ppbv

RT: 7.047 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

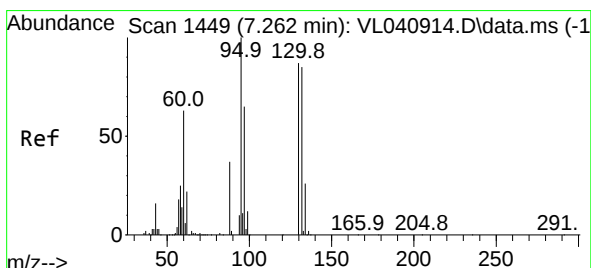
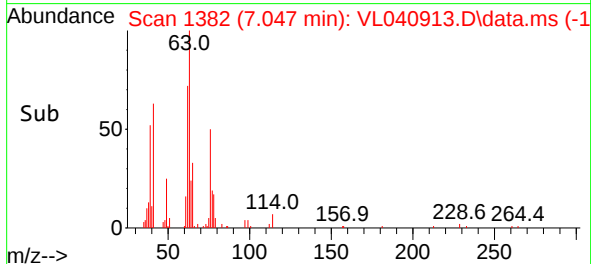
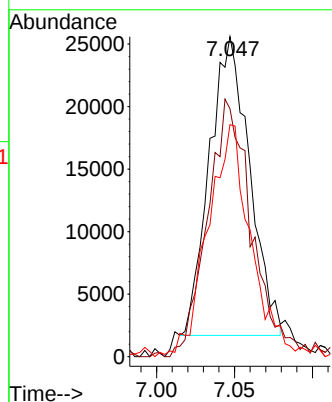
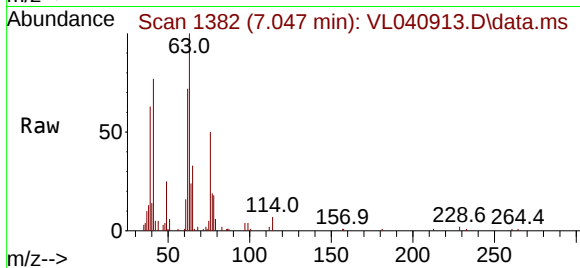
Tgt Ion: 63 Resp: 42824

Ion Ratio Lower Upper

63 100

41 79.5 59.0 88.6

62 69.8 56.6 85.0



#40

1,4-Dioxane

Concen: 0.375 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.036 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Tgt Ion: 88 Resp: 15147

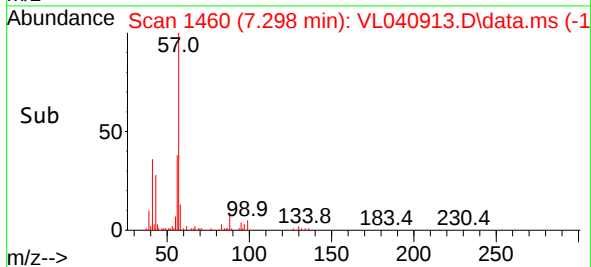
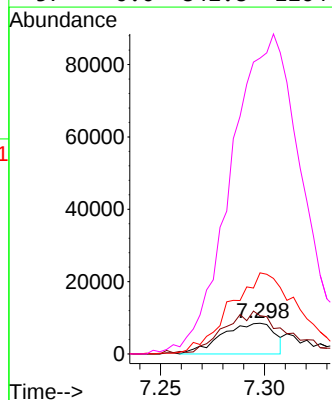
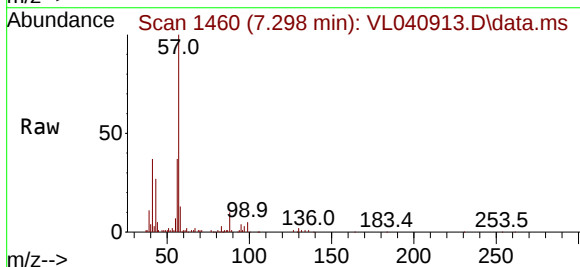
Ion Ratio Lower Upper

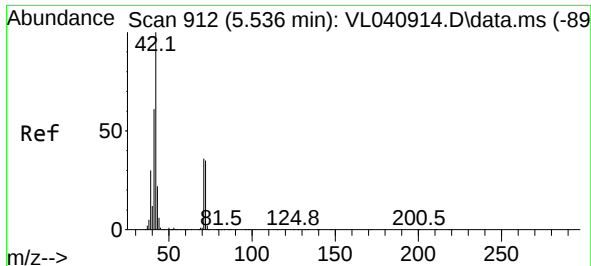
88 100

58 177.3 97.3 145.9#

43 353.2 200.6 300.8#

57 0.0 842.8 1264.2#





#41

Tetrahydrofuran

Concen: 0.423 ppbv

RT: 5.555 min Scan# 912

Delta R.T. 0.019 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

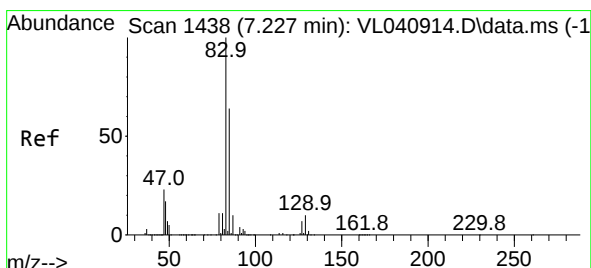
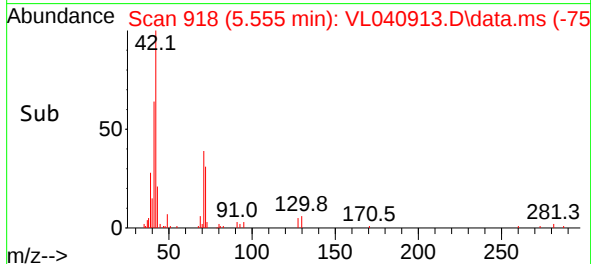
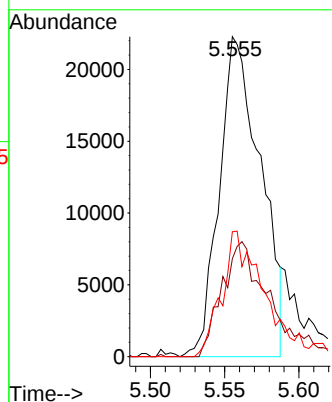
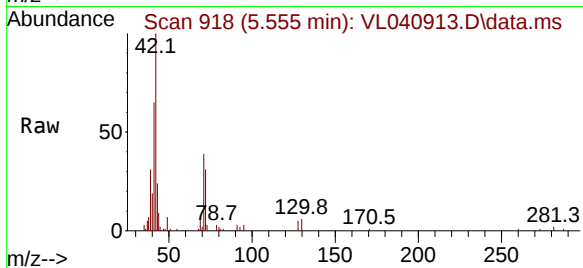
Tgt Ion: 42 Resp: 42988

Ion Ratio Lower Upper

42 100

72 43.6 29.6 44.4

71 41.7 29.1 43.7



#42

Bromodichloromethane

Concen: 0.477 ppbv

RT: 7.218 min Scan# 1435

Delta R.T. -0.009 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

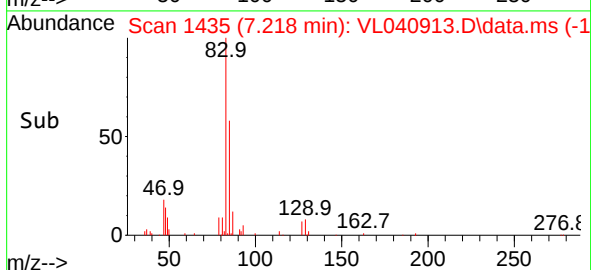
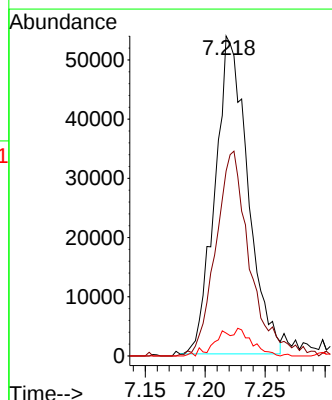
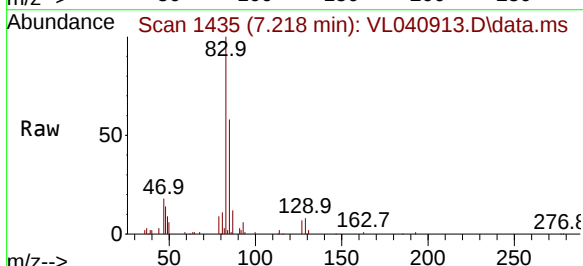
Tgt Ion: 83 Resp: 102101

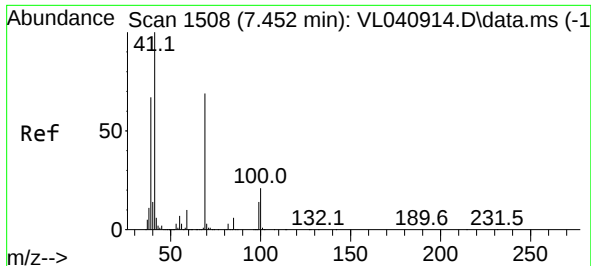
Ion Ratio Lower Upper

83 100

85 57.7 51.4 77.0

127 7.2 5.9 8.9

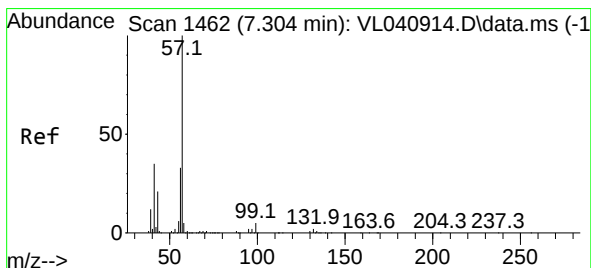
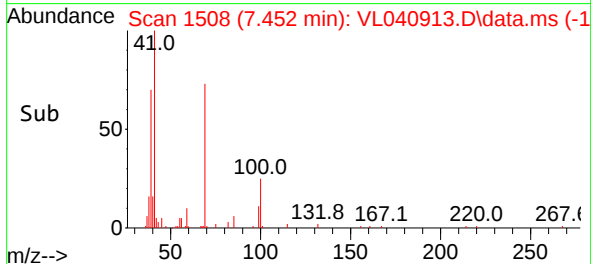
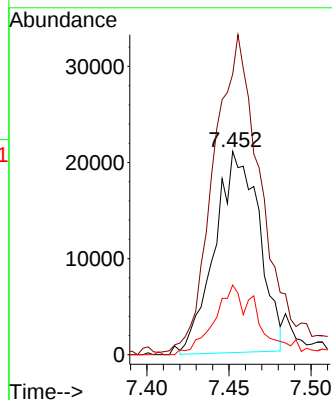
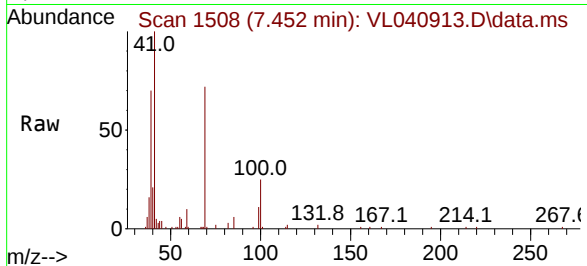




#43
Methyl Methacrylate
Concen: 0.408 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

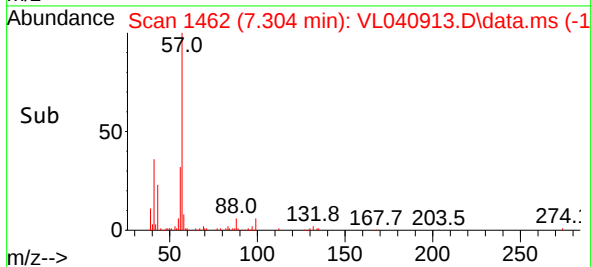
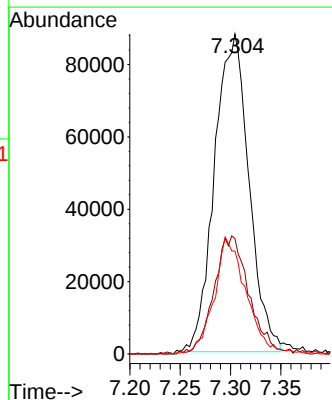
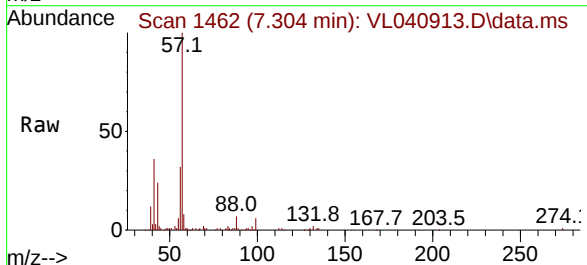
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

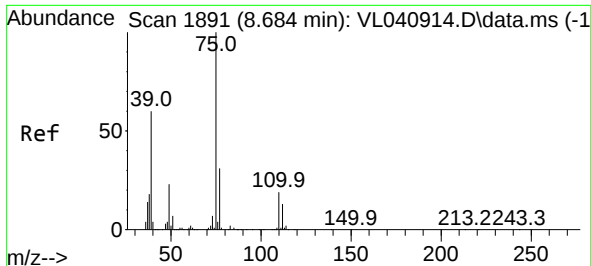
Tgt Ion: 69 Resp: 39374
Ion Ratio Lower Upper
69 100
41 177.8 119.9 179.9
100 35.6 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 0.497 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 57 Resp: 208995
Ion Ratio Lower Upper
57 100
41 38.3 28.2 42.4
56 34.4 25.3 37.9

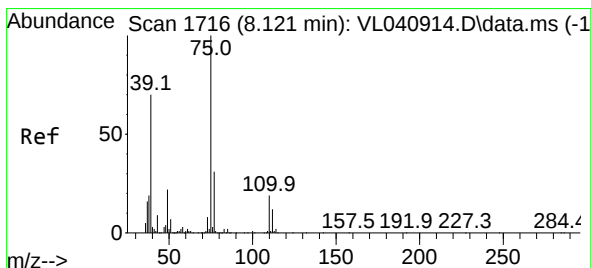
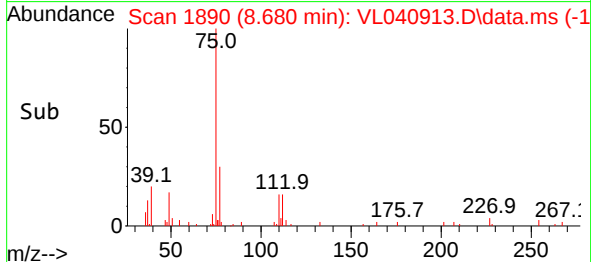
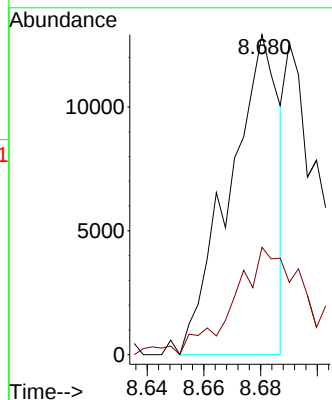
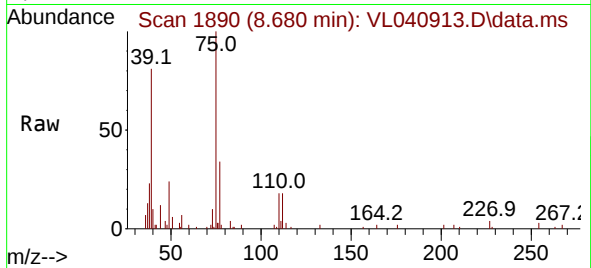




#45
 t-1,3-Dichloropropene
 Concen: 0.218 ppbv
 RT: 8.680 min Scan# 1891
 Delta R.T. -0.003 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

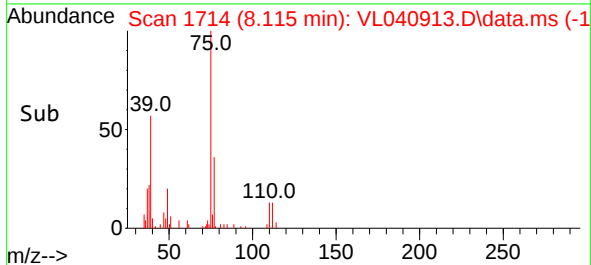
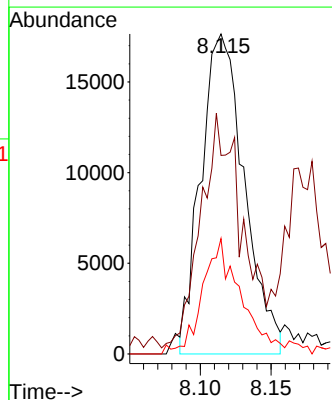
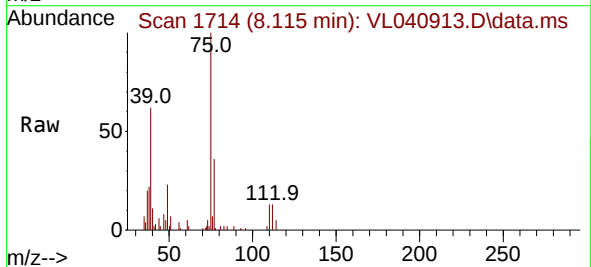
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

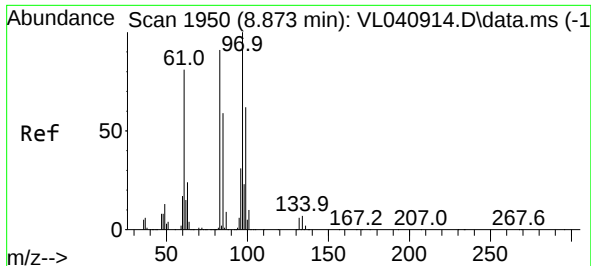
Tgt Ion: 75 Resp: 15576
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.8 37.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.422 ppbv
 RT: 8.115 min Scan# 1714
 Delta R.T. -0.006 min
 Lab File: VL040913.D
 Acq: 20 Dec 2023 10:29

Tgt Ion: 75 Resp: 37638
 Ion Ratio Lower Upper
 75 100
 39 58.5 56.2 84.4
 77 35.5 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 0.225 ppbv

RT: 8.864 min Scan# 1950

Delta R.T. -0.009 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 23546

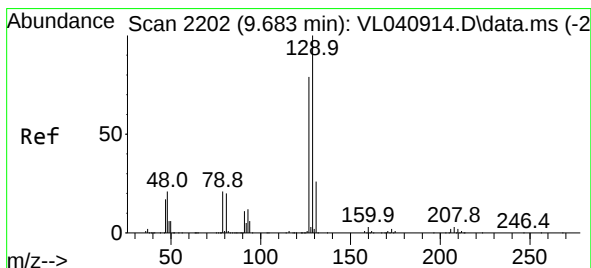
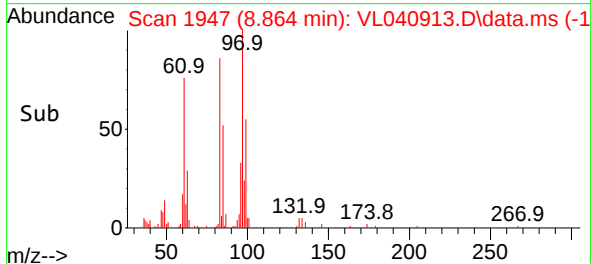
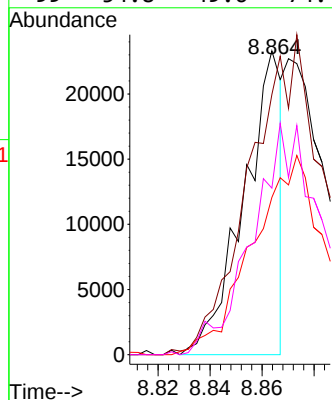
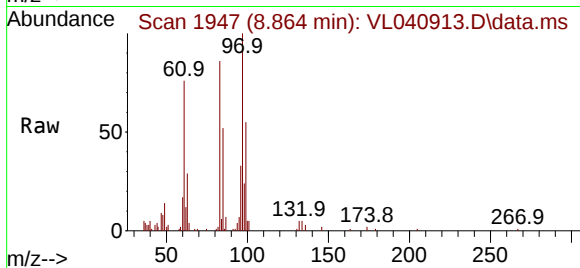
Ion Ratio Lower Upper

97 100

83 84.4 72.6 108.8

85 50.8 47.4 71.0

99 54.8 49.6 74.4



#48

Dibromochloromethane

Concen: 0.215 ppbv

RT: 9.674 min Scan# 2199

Delta R.T. -0.009 min

Lab File: VL040913.D

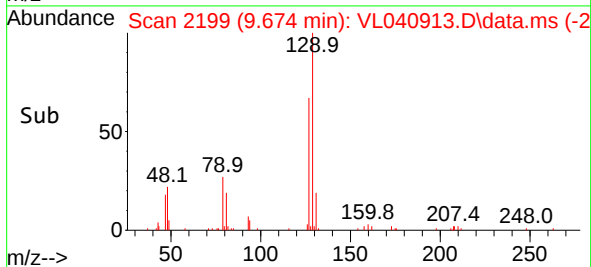
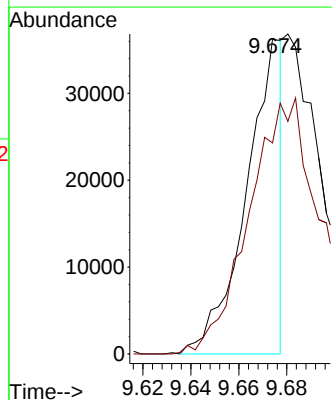
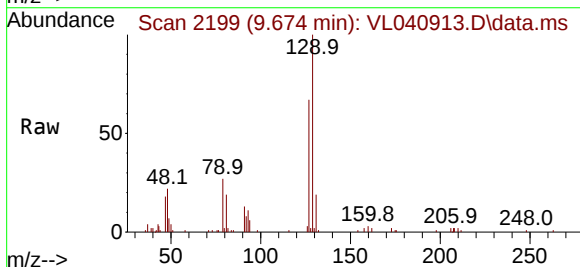
Acq: 20 Dec 2023 10:29

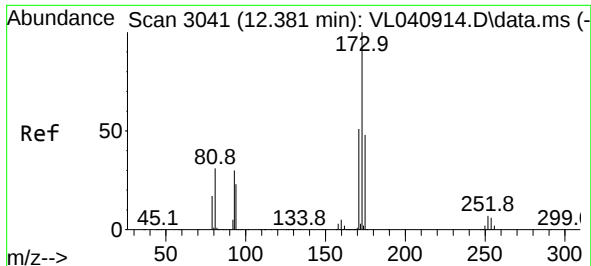
Tgt Ion: 129 Resp: 37886

Ion Ratio Lower Upper

129 100

127 0.0 39.6 119.0#

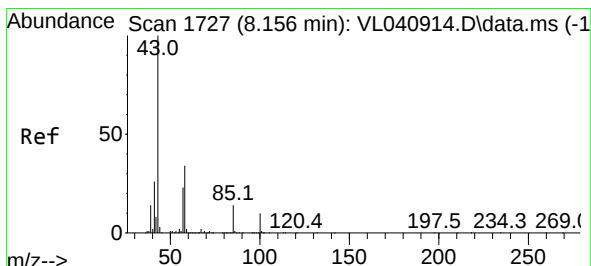
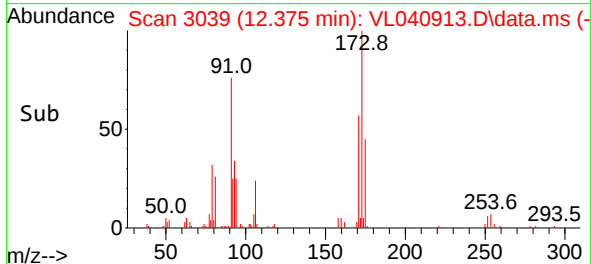
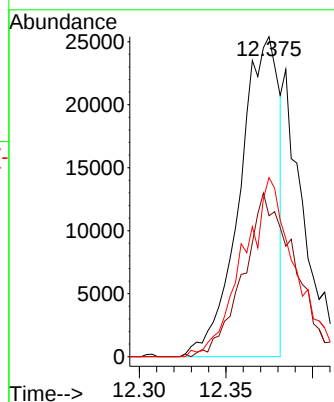
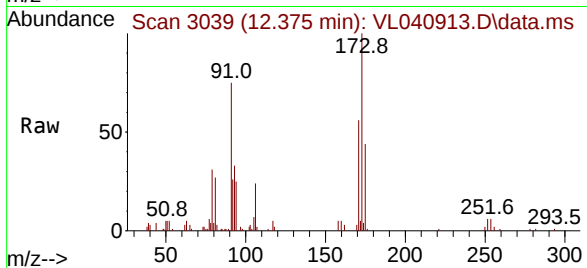




#49
Bromoform
Concen: 0.294 ppbv
RT: 12.375 min Scan# 3041
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

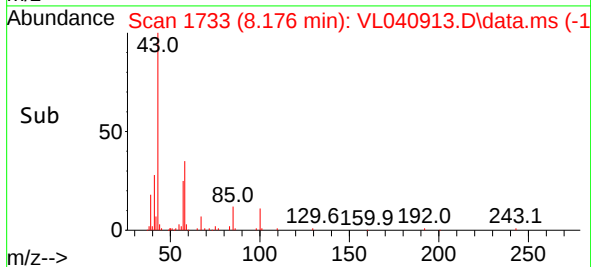
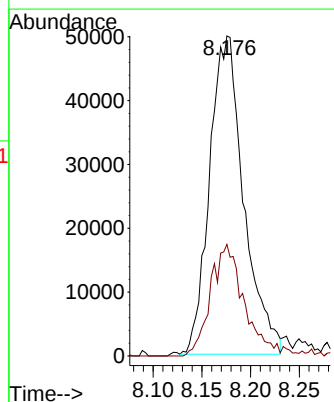
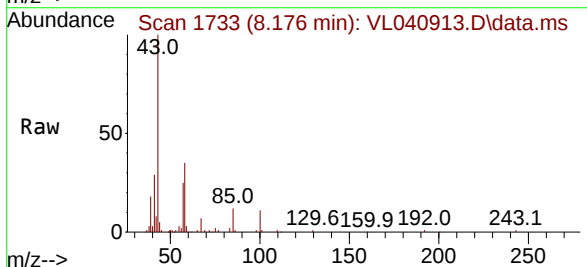
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

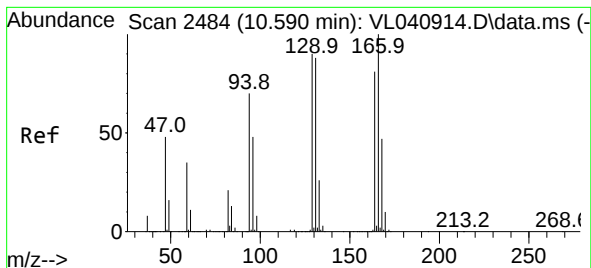
Tgt Ion:173 Resp: 40110
Ion Ratio Lower Upper
173 100
175 68.6 39.3 58.9#
171 74.6 41.8 62.6#



#50
4-Methyl-2-Pentanone
Concen: 0.477 ppbv
RT: 8.176 min Scan# 1733
Delta R.T. 0.019 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 43 Resp: 121359
Ion Ratio Lower Upper
43 100
58 35.6 27.4 41.0





#52

Tetrachloroethene

Concen: 0.234 ppbv

RT: 10.578 min Scan# 24

Delta R.T. -0.013 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 19503

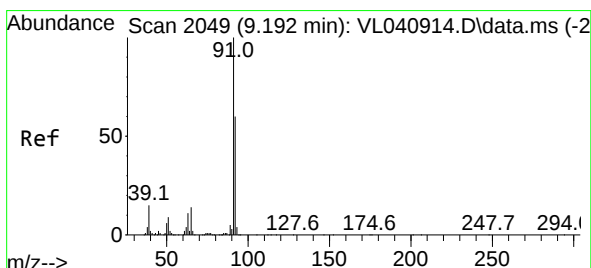
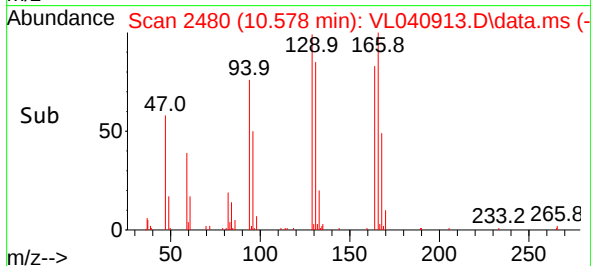
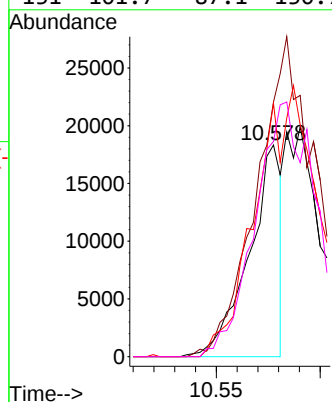
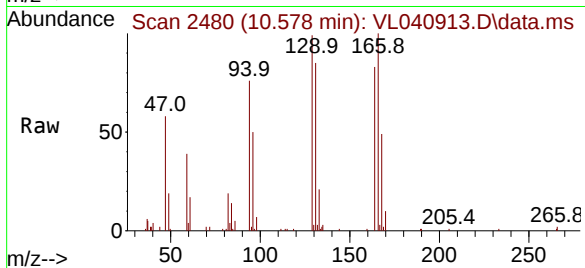
Ion Ratio Lower Upper

164 100

166 120.3 98.9 148.3

129 119.6 88.7 133.1

131 101.7 87.1 130.7



#53

Toluene

Concen: 0.478 ppbv

RT: 9.192 min Scan# 2049

Delta R.T. 0.000 min

Lab File: VL040913.D

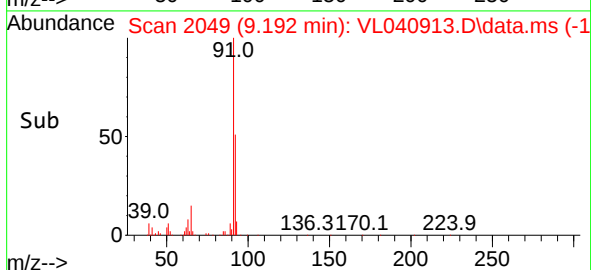
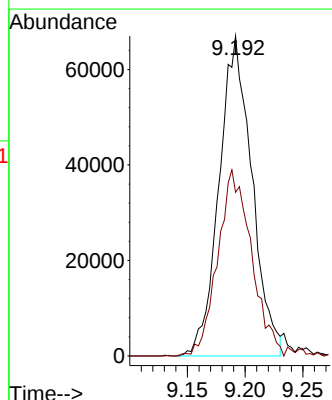
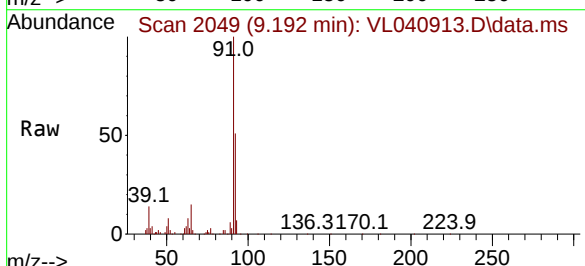
Acq: 20 Dec 2023 10:29

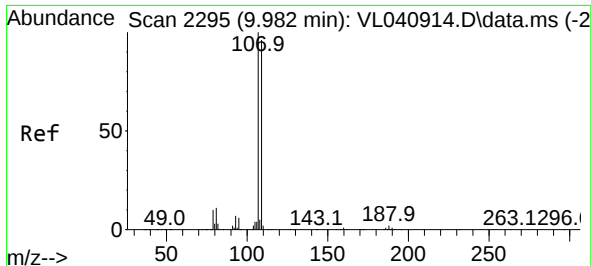
Tgt Ion: 91 Resp: 132357

Ion Ratio Lower Upper

91 100

92 60.8 49.2 73.8





#54

1,2-Dibromoethane

Concen: 0.248 ppbv

RT: 9.983 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

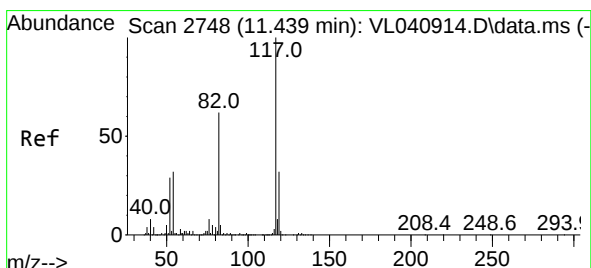
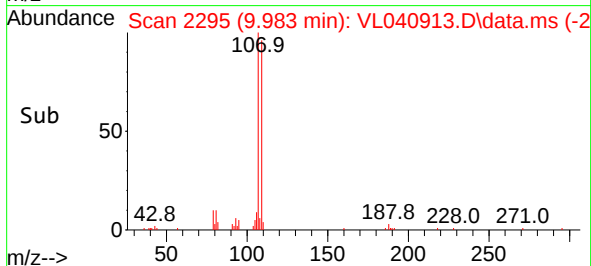
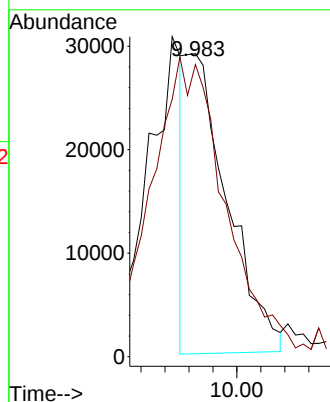
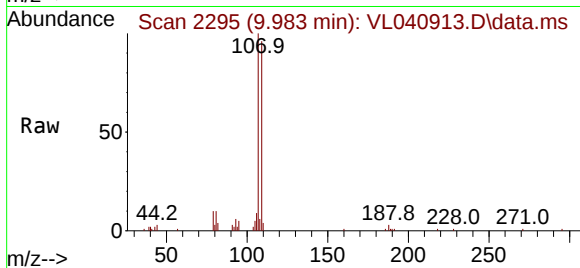
VSTDIC0.5

Tgt Ion:107 Resp: 35390

Ion Ratio Lower Upper

107 100

109 93.5 77.0 115.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.433 min Scan# 2746

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

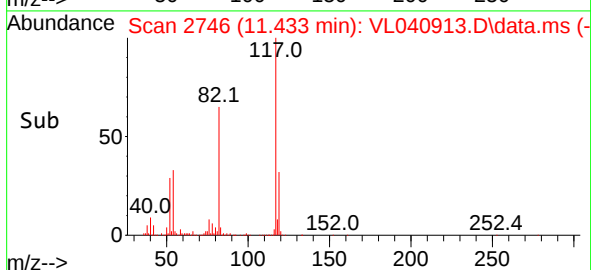
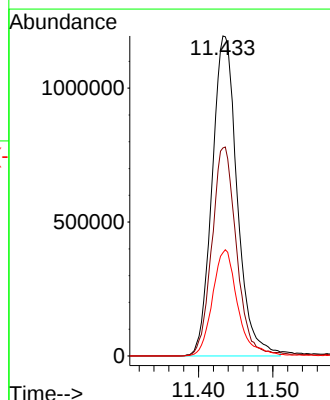
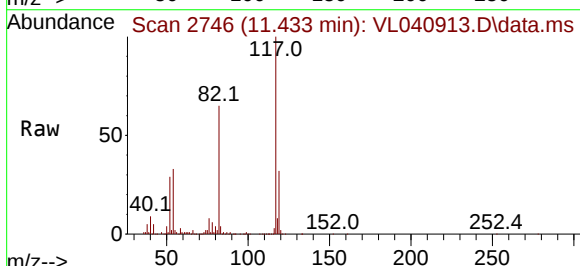
Tgt Ion:117 Resp: 2805599

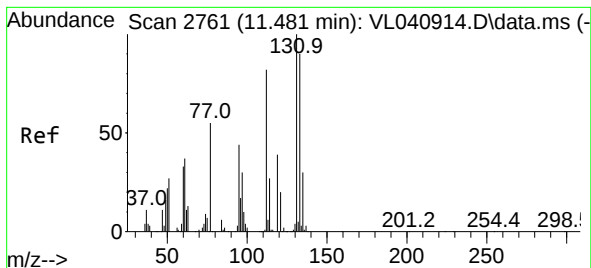
Ion Ratio Lower Upper

117 100

82 64.7 49.6 74.4

119 33.7 23.4 35.0

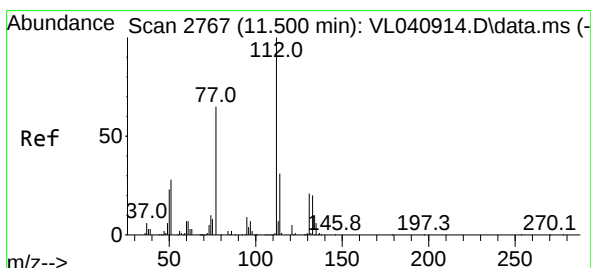
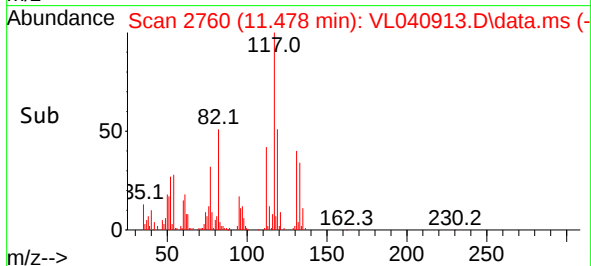
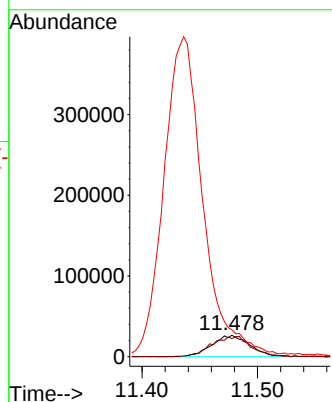
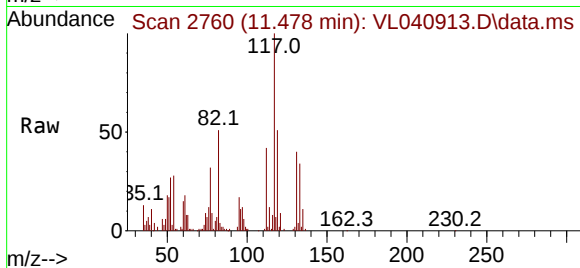




#56
1,1,1,2-Tetrachloroethane
Concen: 0.488 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

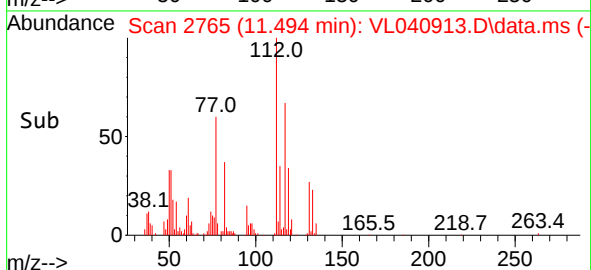
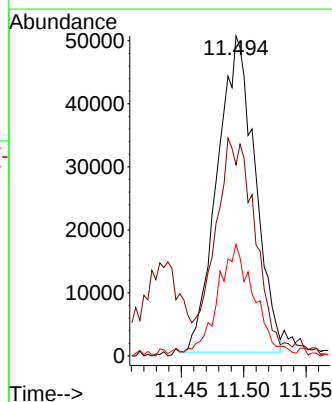
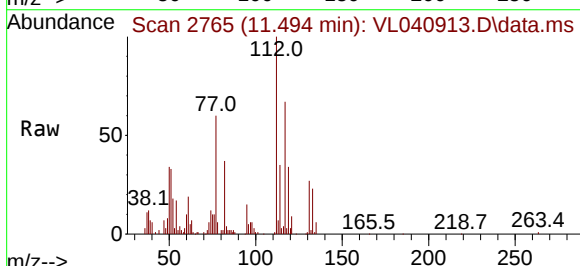
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

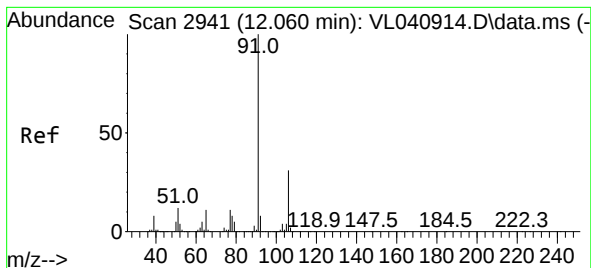
Tgt Ion:131 Resp: 59832
Ion Ratio Lower Upper
131 100
133 99.4 76.3 114.5
119 1581.1 48.6 73.0#



#57
Chlorobenzene
Concen: 0.506 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion:112 Resp: 104851
Ion Ratio Lower Upper
112 100
77 56.9 52.7 79.1
114 36.8 28.4 34.7#





#58

Ethyl Benzene

Concen: 0.494 ppbv

RT: 12.060 min Scan# 2941

Delta R.T. 0.000 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

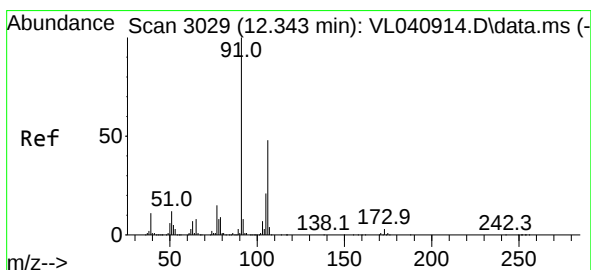
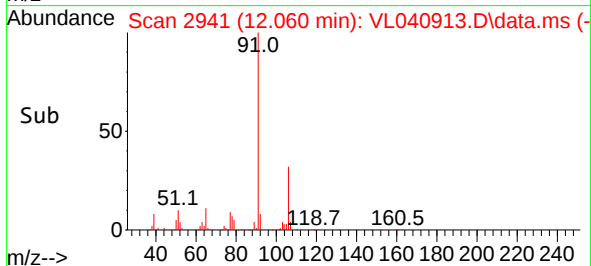
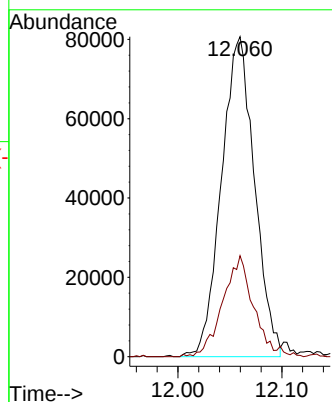
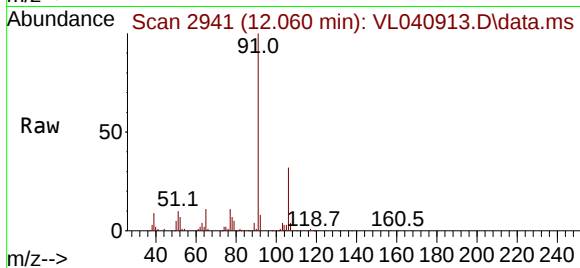
VSTDIC0.5

Tgt Ion: 91 Resp: 178190

Ion Ratio Lower Upper

91 100

106 31.6 24.9 37.3



#59

m/p-Xylene

Concen: 0.483 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. -0.003 min

Lab File: VL040913.D

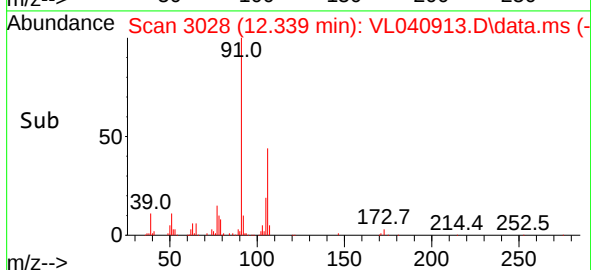
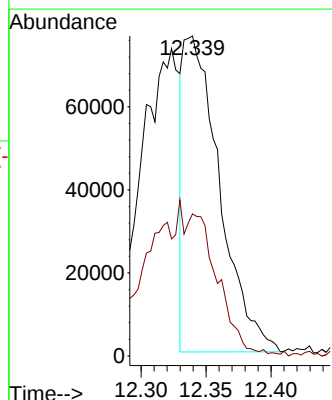
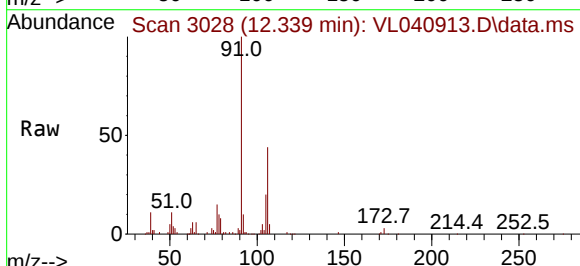
Acq: 20 Dec 2023 10:29

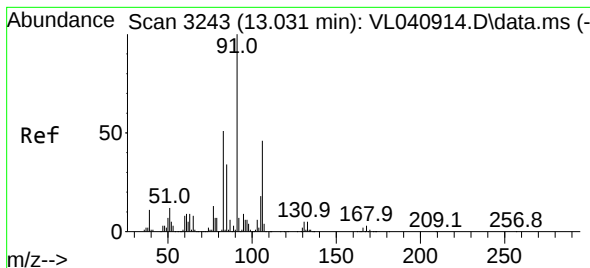
Tgt Ion: 91 Resp: 148047

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0





#60

o-Xylene

Concen: 0.308 ppbv

RT: 13.028 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

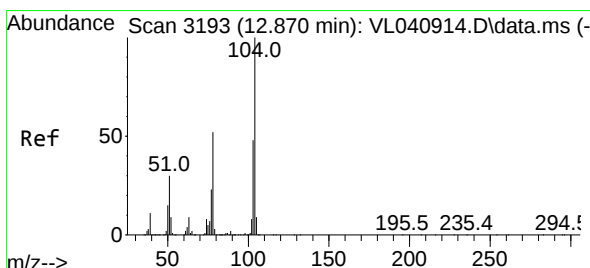
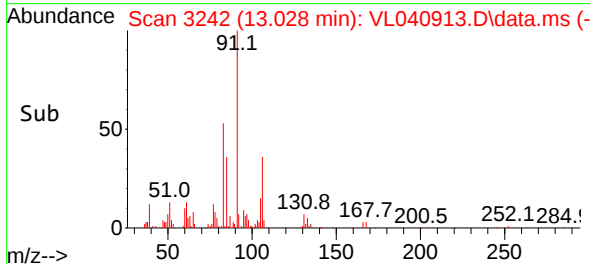
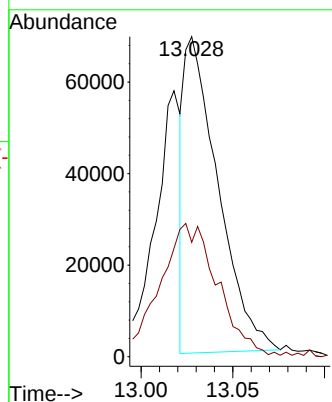
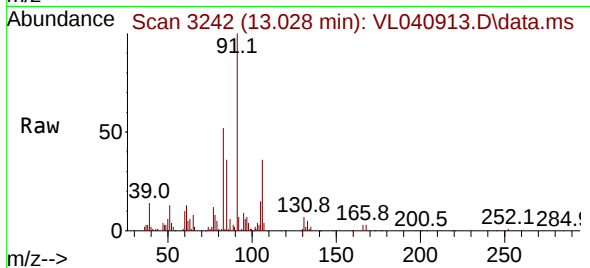
VSTDICC0.5

Tgt Ion: 91 Resp: 89034

Ion Ratio Lower Upper

91 100

106 72.7 22.6 67.7#



#61

Styrene

Concen: 0.420 ppbv

RT: 12.864 min Scan# 3191

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

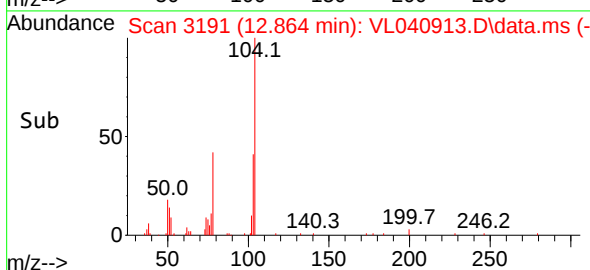
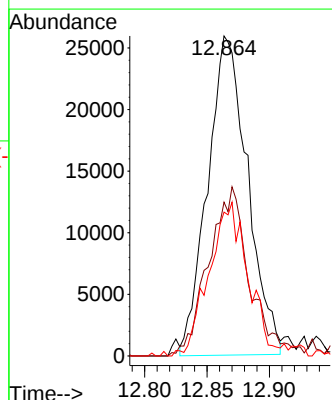
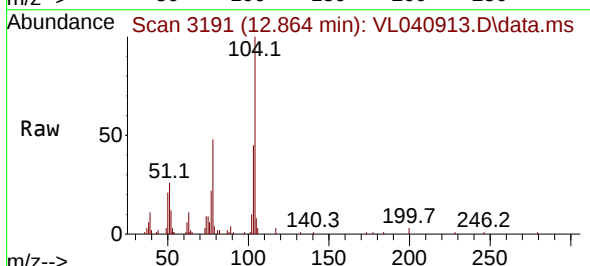
Tgt Ion: 104 Resp: 57855

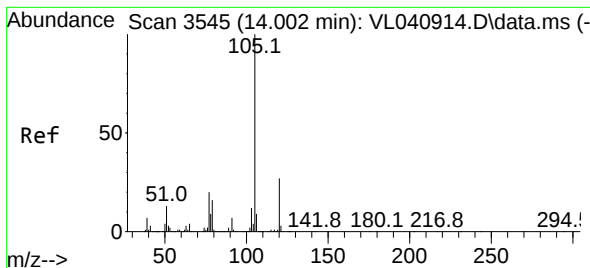
Ion Ratio Lower Upper

104 100

78 55.1 43.0 64.4

103 49.0 37.6 56.4





#62

Isopropylbenzene

Concen: 0.515 ppbv

RT: 13.999 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

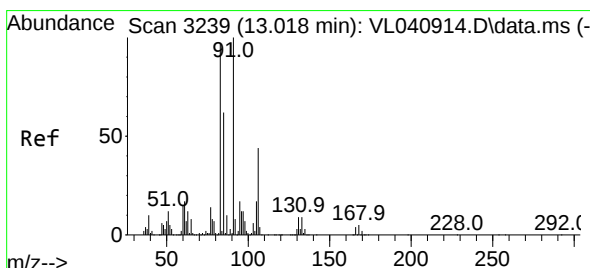
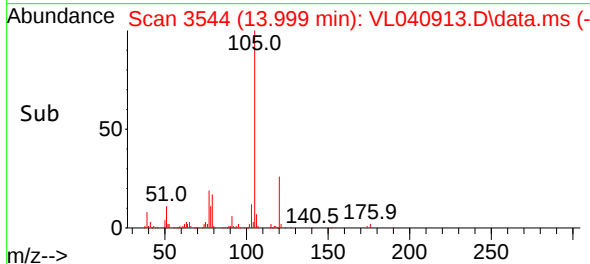
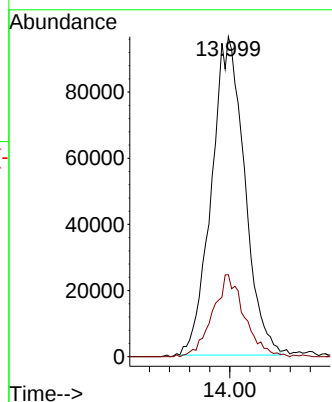
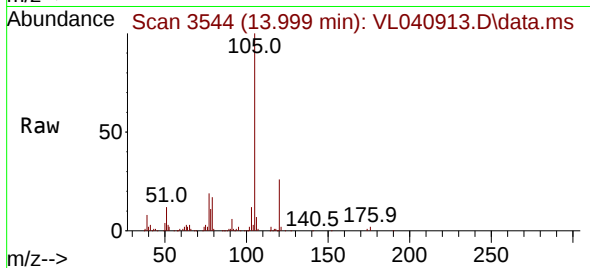
VSTDIC0.5

Tgt Ion:105 Resp: 220453

Ion Ratio Lower Upper

105 100

120 24.8 20.7 31.1



#63

1,1,2,2-Tetrachloroethane

Concen: 0.545 ppbv

RT: 13.018 min Scan# 3239

Delta R.T. 0.000 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

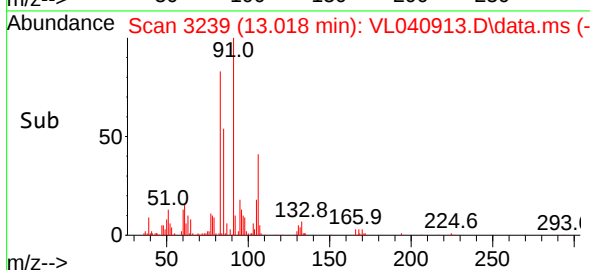
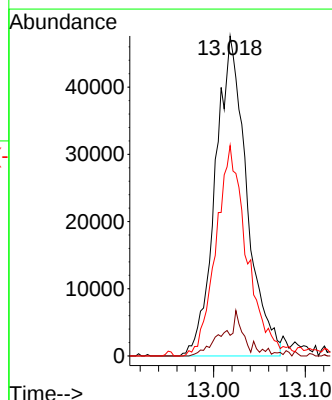
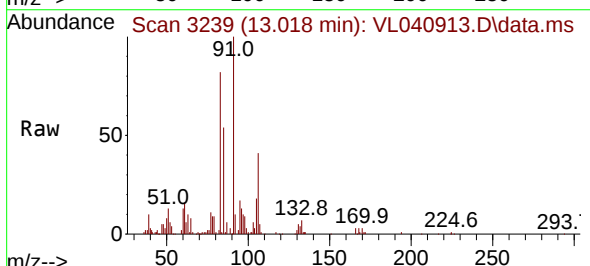
Tgt Ion: 83 Resp: 113089

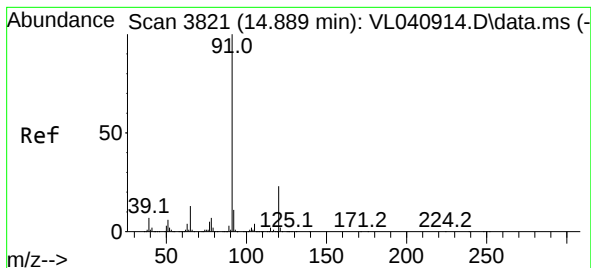
Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

85 67.6 32.6 98.0





#64

n-propylbenzene

Concen: 0.477 ppbv

RT: 14.883 min Scan# 3821

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

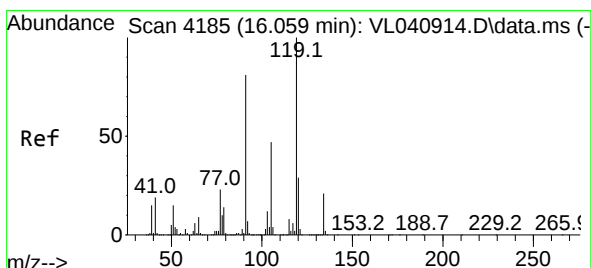
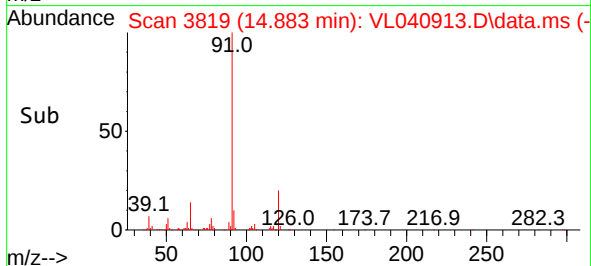
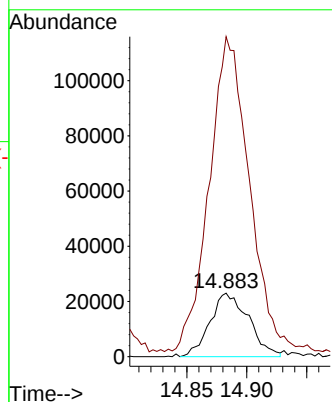
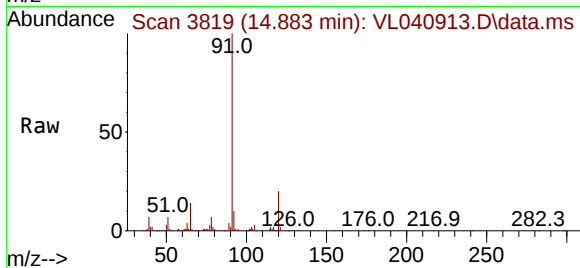
VSTDICC0.5

Tgt Ion:120 Resp: 51526

Ion Ratio Lower Upper

120 100

91 559.0 381.9 572.9



#65

tert-Butylbenzene

Concen: 0.502 ppbv

RT: 16.063 min Scan# 4186

Delta R.T. 0.003 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

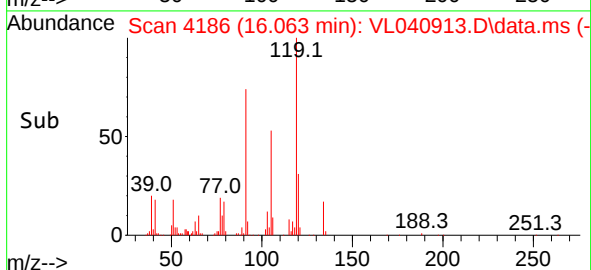
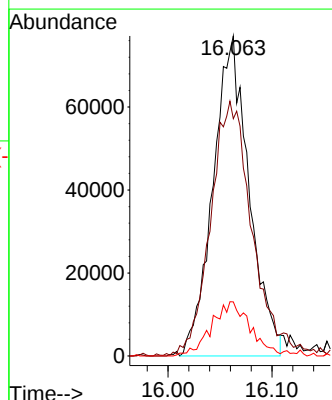
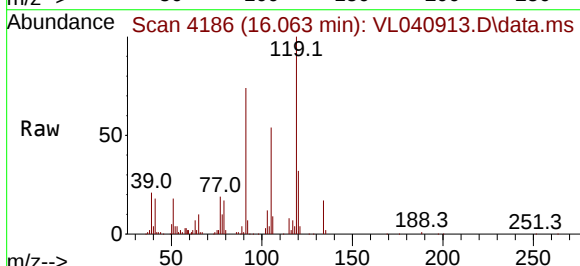
Tgt Ion:119 Resp: 185574

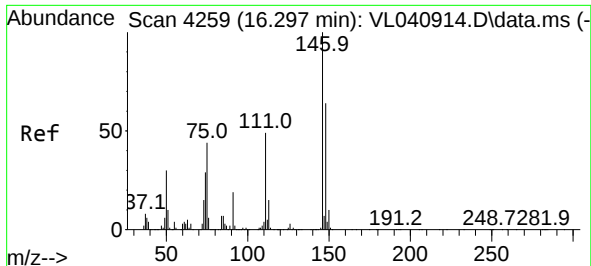
Ion Ratio Lower Upper

119 100

91 92.8 67.2 100.8

134 18.9 15.8 23.6

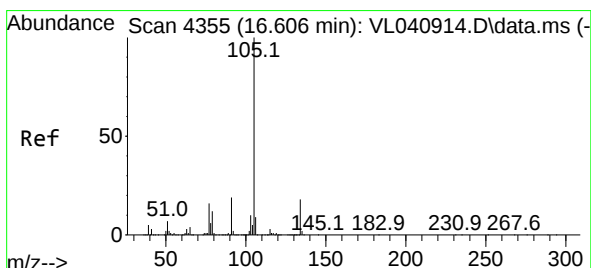
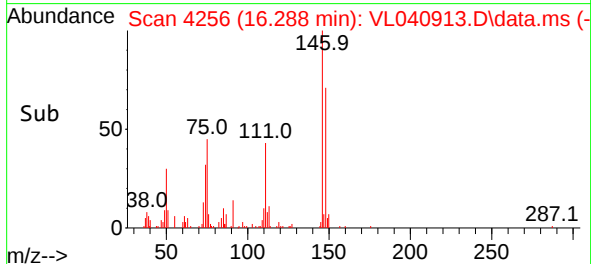
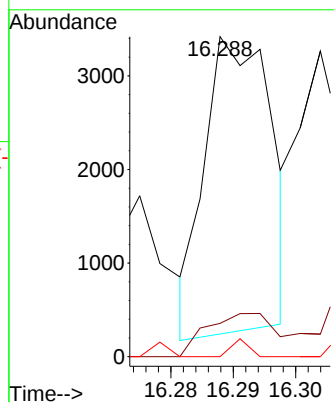
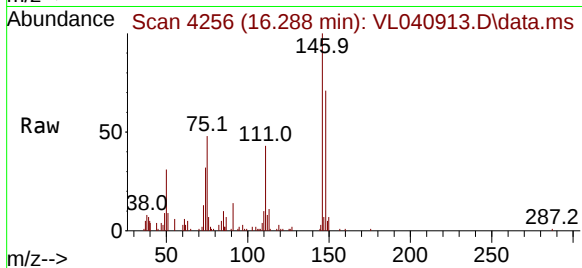




#66
Benzyl Chloride
Concen: 0.094 ppbv
RT: 16.288 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

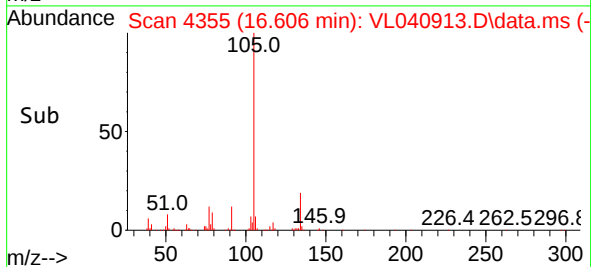
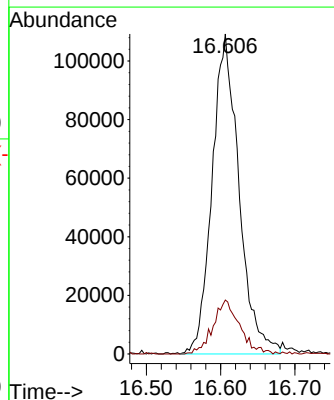
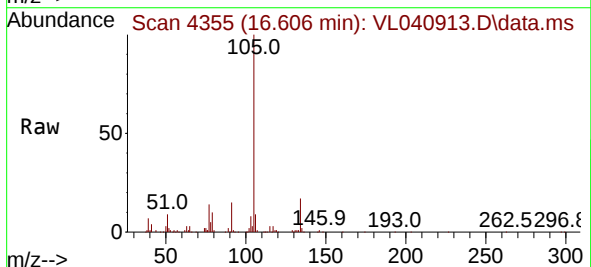
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

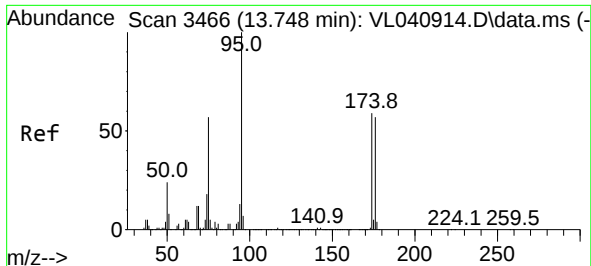
Tgt Ion: 91 Resp: 2350
Ion Ratio Lower Upper
91 100
126 0.0 14.1 21.1#
128 0.0 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.519 ppbv
RT: 16.606 min Scan# 4355
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 105 Resp: 274393
Ion Ratio Lower Upper
105 100
134 16.9 14.4 21.6

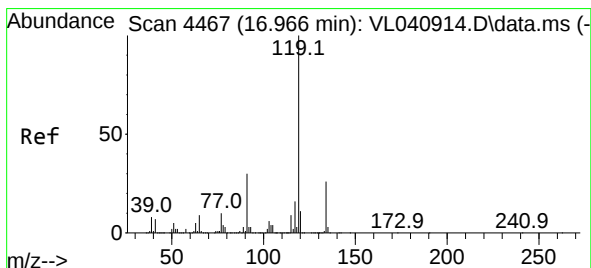
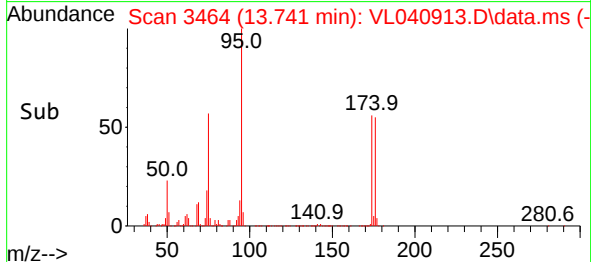
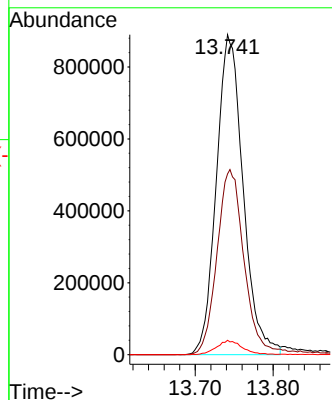
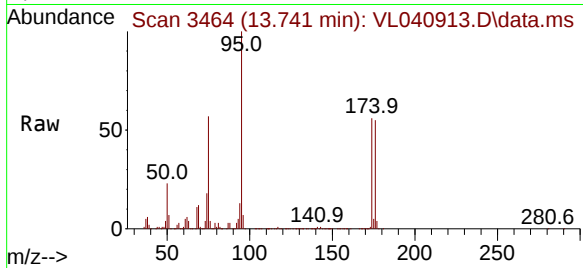




#68
1-Bromo-4-Fluorobenzene
Concen: 10.263 ppbv
RT: 13.741 min Scan# 3466
Delta R.T. -0.006 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

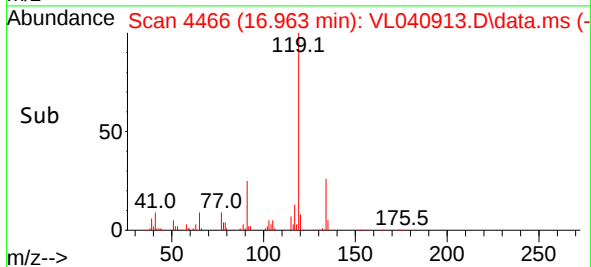
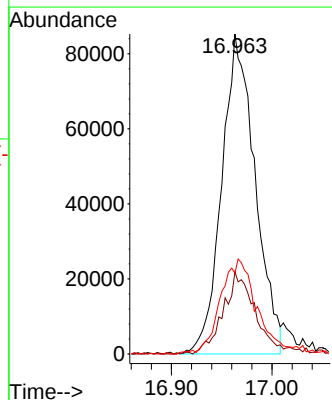
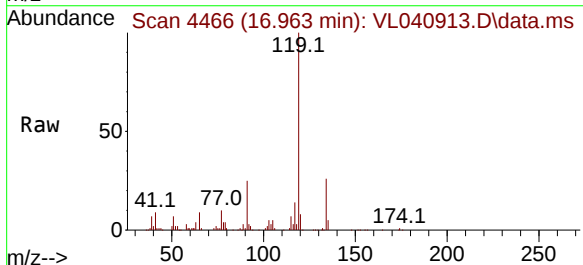
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

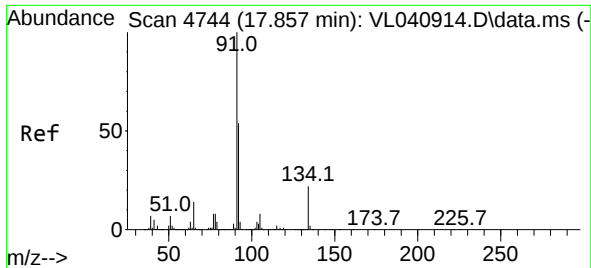
Tgt Ion: 95 Resp: 2120932
Ion Ratio Lower Upper
95 100
174 60.4 48.0 72.0
175 4.4 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.478 ppbv
RT: 16.963 min Scan# 4466
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 119 Resp: 196486
Ion Ratio Lower Upper
119 100
134 25.7 20.3 30.5
91 33.4 24.1 36.1

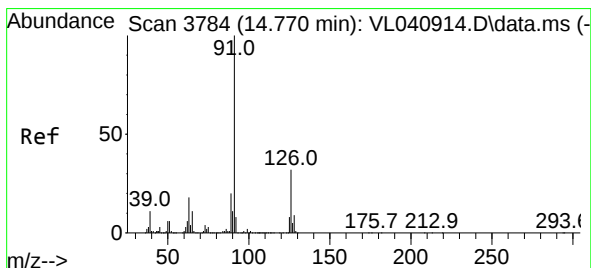
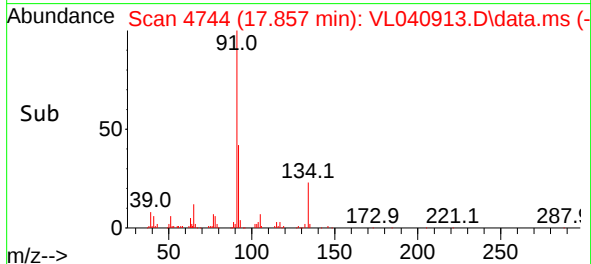
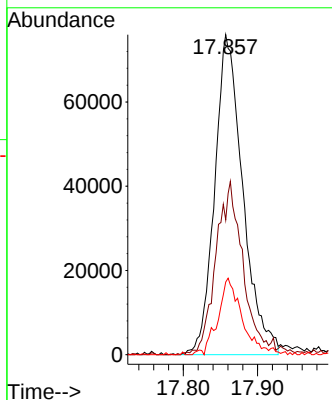
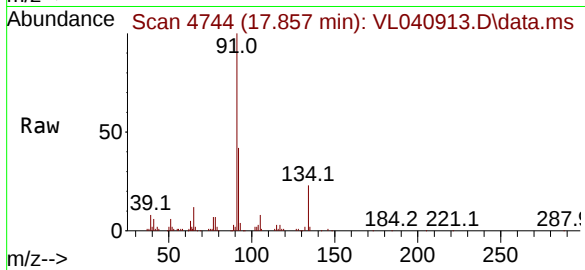




#70
n-Butylbenzene
Concen: 0.469 ppbv
RT: 17.857 min Scan# 4744
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

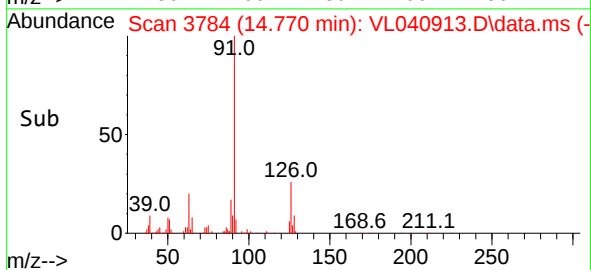
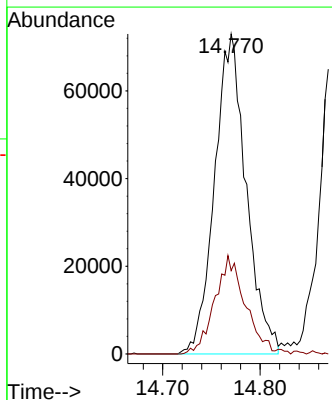
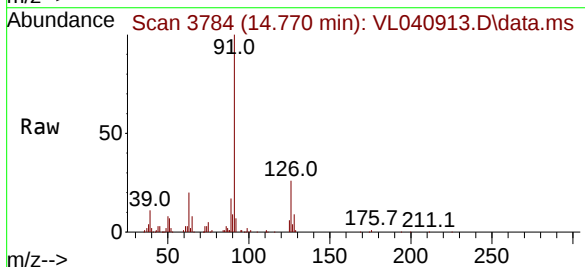
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

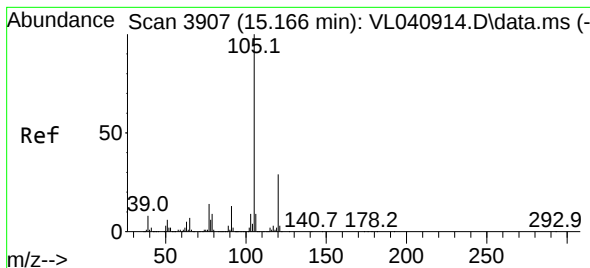
Tgt Ion: 91 Resp: 200298
Ion Ratio Lower Upper
91 100
92 54.3 43.4 65.0
134 21.0 17.6 26.4



#71
2-Chlorotoluene
Concen: 0.497 ppbv
RT: 14.770 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion: 91 Resp: 163946
Ion Ratio Lower Upper
91 100
126 30.4 12.4 49.6

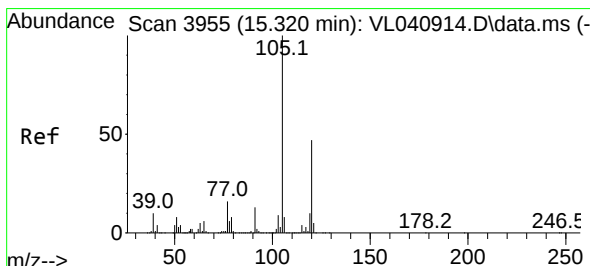
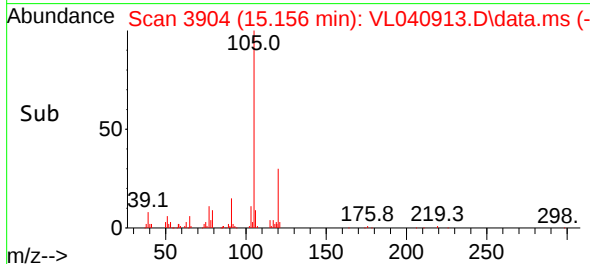
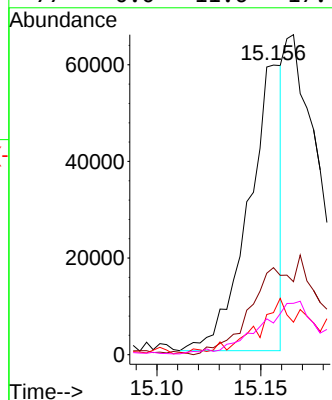
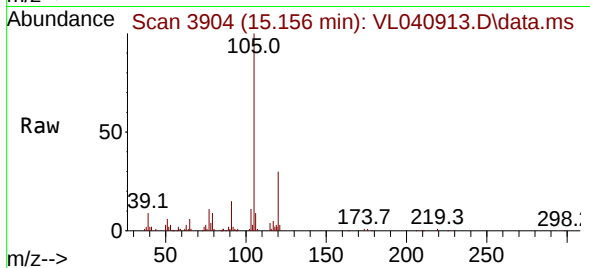




#72
4-Ethyltoluene
Concen: 0.209 ppbv
RT: 15.156 min Scan# 3904
Delta R.T. -0.010 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

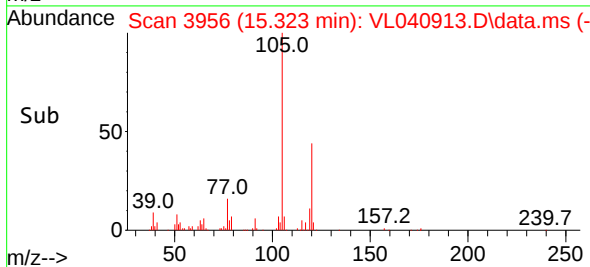
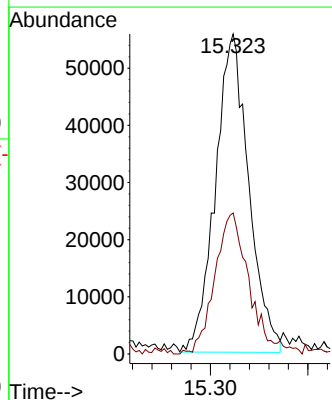
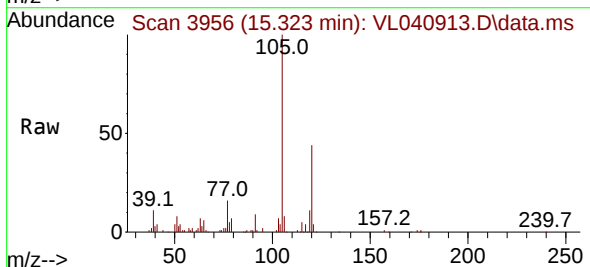
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

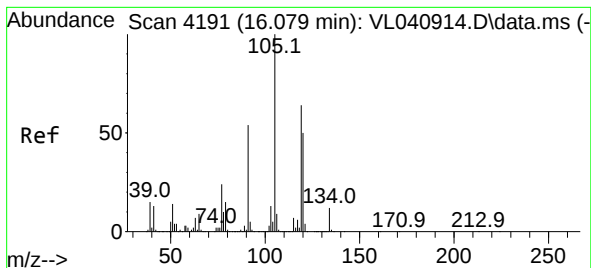
Tgt Ion:105 Resp: 66313
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 39.2 10.9 16.3#
77 0.0 11.6 17.4#



#73
1,3,5-Trimethylbenzene
Concen: 0.484 ppbv
RT: 15.323 min Scan# 3956
Delta R.T. 0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion:105 Resp: 132507
Ion Ratio Lower Upper
105 100
120 48.4 37.8 56.8





#74

1,2,4-Trimethylbenzene

Concen: 0.247 ppbv

RT: 16.072 min Scan# 4191

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 75147

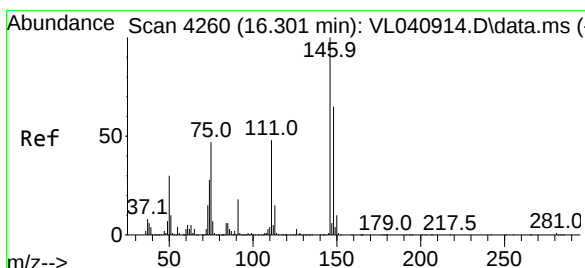
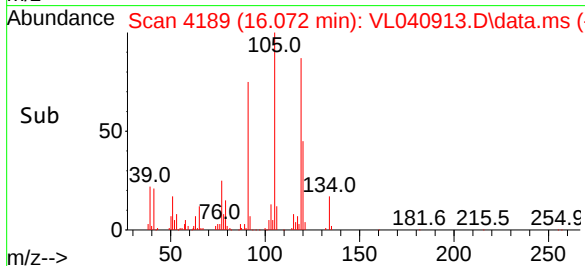
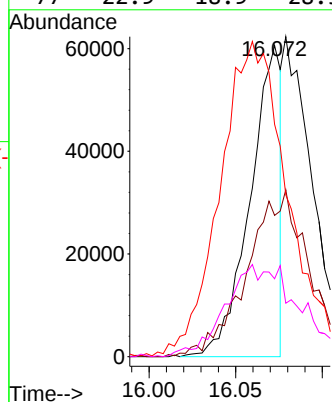
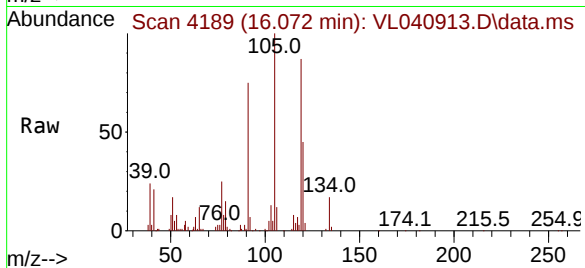
Ion Ratio Lower Upper

105 100

120 44.3 40.2 60.4

91 68.1 43.0 64.6#

77 22.9 18.9 28.3



#75

1,3-Dichlorobenzene

Concen: 0.474 ppbv

RT: 16.301 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

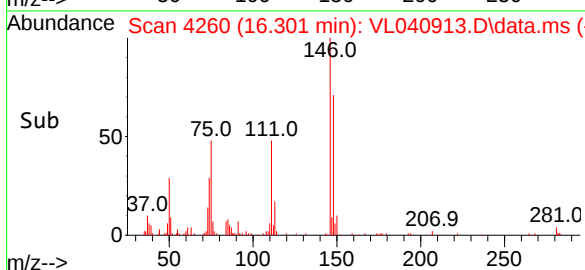
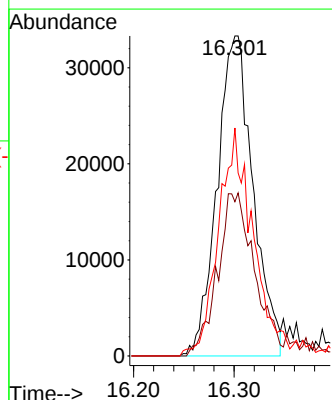
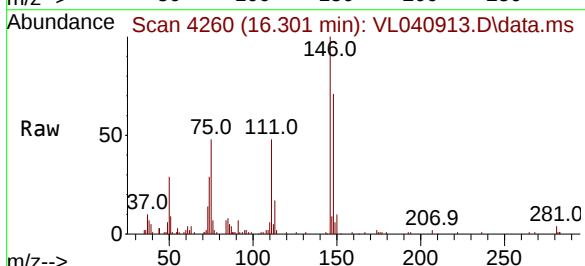
Tgt Ion:146 Resp: 82783

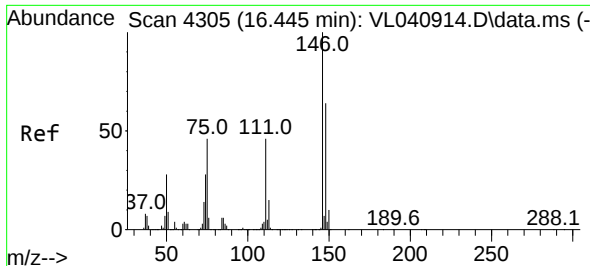
Ion Ratio Lower Upper

146 100

111 56.0 24.7 74.1

148 70.1 32.1 96.5

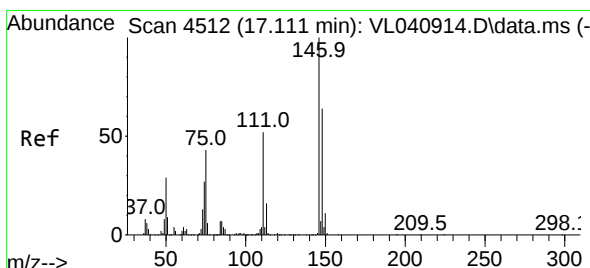
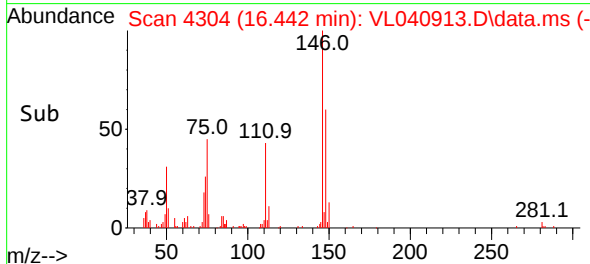
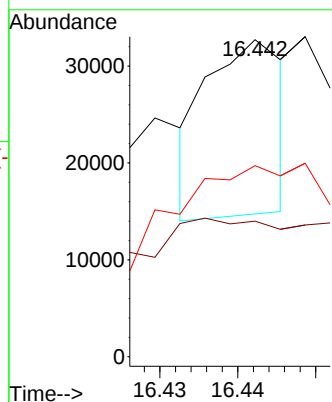
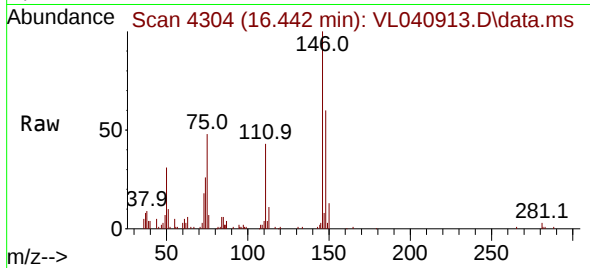




#76
1,4-Dichlorobenzene
Concen: 0.073 ppbv
RT: 16.442 min Scan# 4111
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

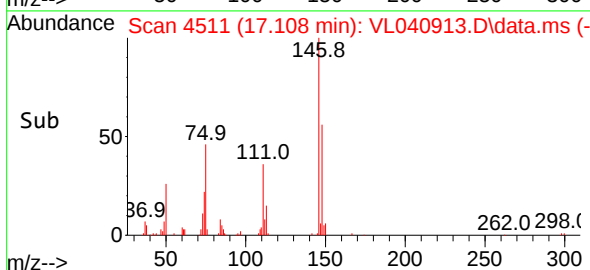
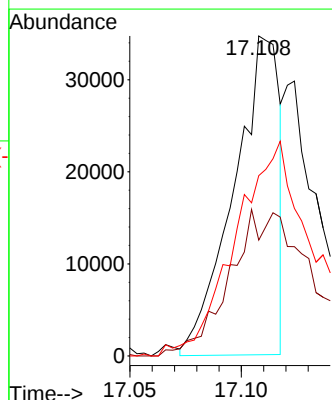
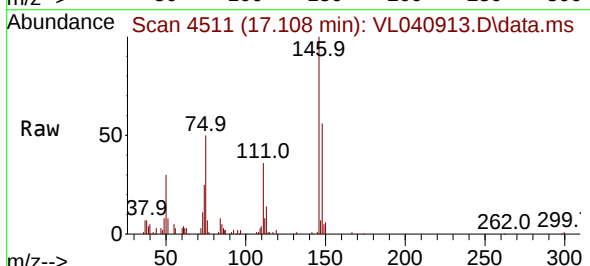
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

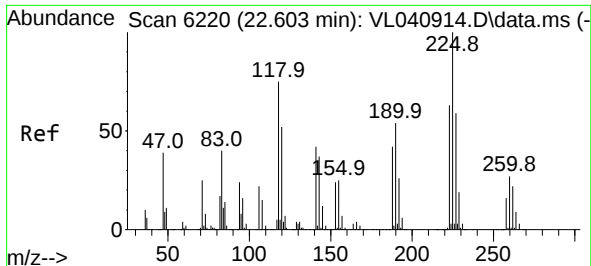
Tgt Ion:146 Resp: 12441
Ion Ratio Lower Upper
146 100
111 330.6 24.1 72.4#
148 0.0 33.2 99.6#



#77
1,2-Dichlorobenzene
Concen: 0.292 ppbv
RT: 17.108 min Scan# 4511
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion:146 Resp: 49125
Ion Ratio Lower Upper
146 100
111 90.6 25.5 76.5#
148 0.0 32.2 96.6#

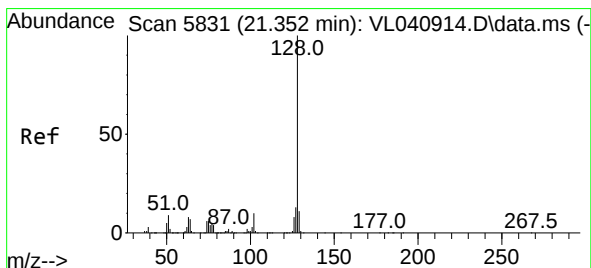
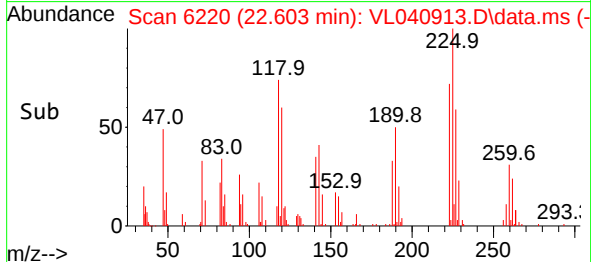
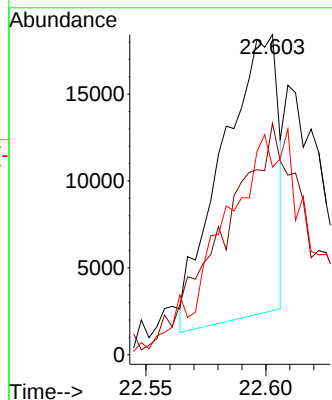
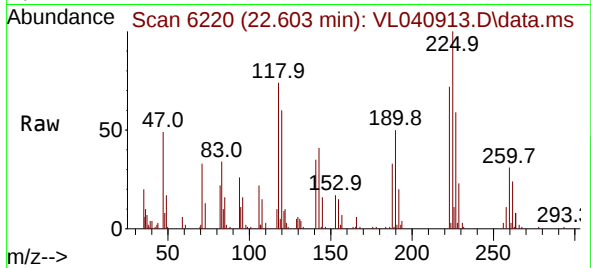




#78
Hexachloro-1,3-Butadiene
Concen: 0.251 ppbv
RT: 22.603 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

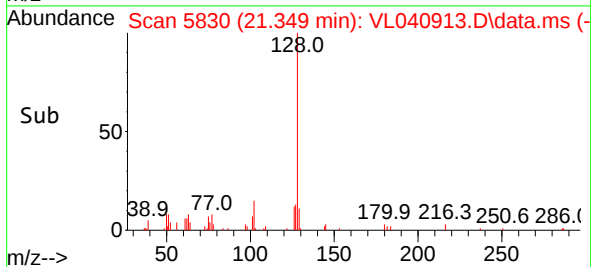
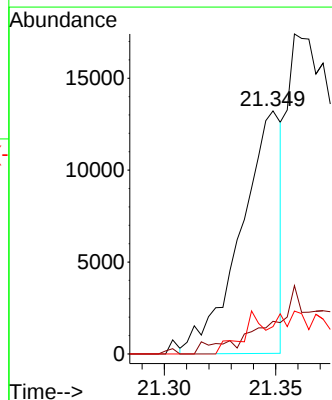
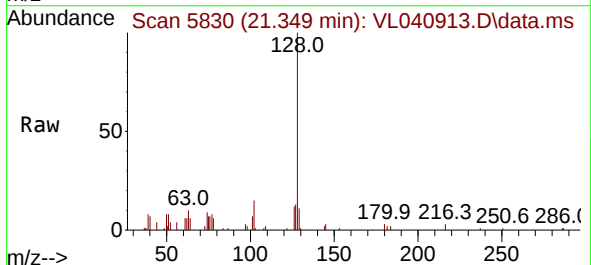
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

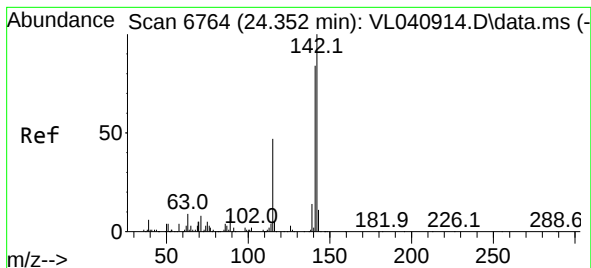
Tgt Ion:225 Resp: 26260
Ion Ratio Lower Upper
225 100
223 140.1 51.5 77.3#
227 0.0 51.7 77.5#



#79
Naphthalene
Concen: 0.117 ppbv
RT: 21.349 min Scan# 5830
Delta R.T. -0.003 min
Lab File: VL040913.D
Acq: 20 Dec 2023 10:29

Tgt Ion:128 Resp: 16663
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 13.0 8.7 13.1





#80

Naphthalene, 2-methyl-

Concen: 0.072 ppbv

RT: 24.371 min Scan# 61

Delta R.T. 0.019 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

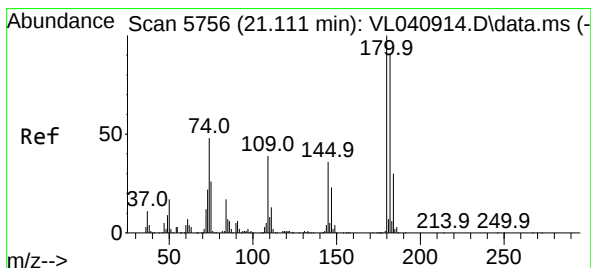
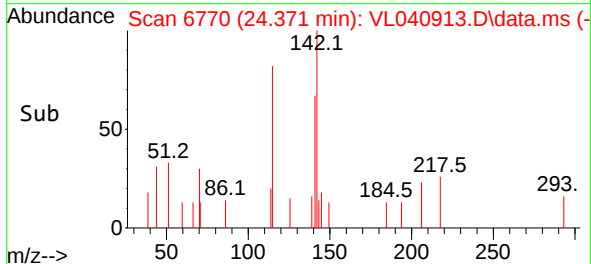
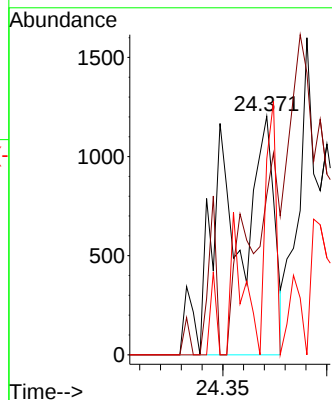
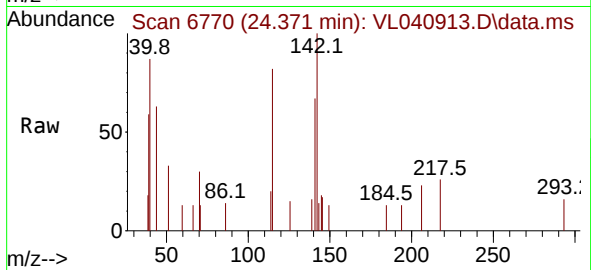
Tgt Ion:142 Resp: 1797

Ion Ratio Lower Upper

142 100

141 0.0 68.5 102.7#

115 21.2 34.5 51.7#



#81

1,2,4-Trichlorobenzene

Concen: 0.133 ppbv

RT: 21.104 min Scan# 5754

Delta R.T. -0.006 min

Lab File: VL040913.D

Acq: 20 Dec 2023 10:29

Tgt Ion:180 Resp: 11354

Ion Ratio Lower Upper

180 100

182 0.0 79.4 119.0#

184 0.0 24.5 36.7#

