

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040883.D
 Acq On : 16 Nov 2023 00:37
 Operator : SY/MD
 Sample : 05277-06DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8DL

Quant Time: Nov 16 06:36:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	966510	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.651	114	2294757	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2023898	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1621230	10.231	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%

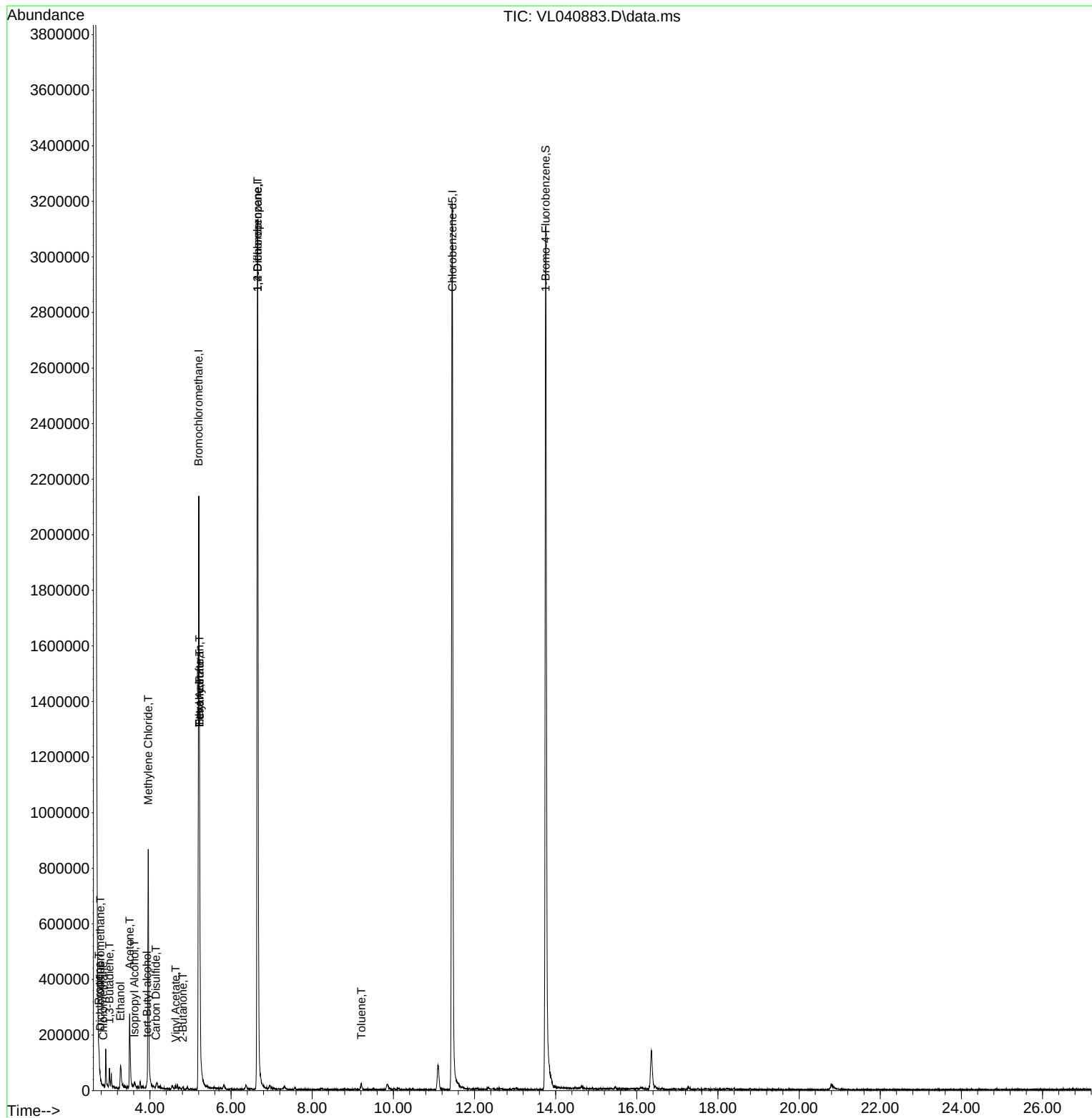
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.774	85	8867	0.045	ppbv #	83
4) Chloromethane	2.851	50	3104	0.056	ppbv #	75
9) Propene	2.742	41	11347	0.218	ppbv	89
13) Ethanol	3.275	45	94572	9.365	ppbv #	100
15) Acetone	3.500	43	260607	2.532	ppbv	97
16) 1,3-Butadiene	3.002	39	16903	0.325	ppbv #	22
17) tert-Butyl alcohol	3.928	59	7661	0.087	ppbv #	71
19) Isopropyl Alcohol	3.616	45	12570	0.203	ppbv #	94
20) Methylene Chloride	3.957	84	272334	6.411	ppbv	96
23) Vinyl Acetate	4.632	43	4533	0.034	ppbv #	70
25) Ethyl Acetate	5.224	43	177770	0.834	ppbv #	77
26) Hexane	5.224	57	242995	2.576	ppbv #	39
27) Carbon Disulfide	4.147	76	4167	0.035	ppbv #	61
34) 2-Butanone	4.809	43	9450	0.081	ppbv	92
39) 1,2-Dichloropropane	6.651	63	597873	8.096	ppbv #	24
41) Tetrahydrofuran	5.224	42	103719	1.441	ppbv #	48
53) Toluene	9.211	91	7003	0.034	ppbv #	17

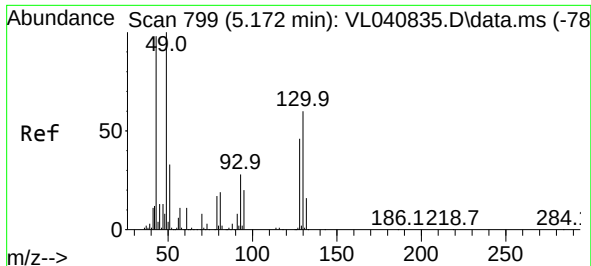
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
Data File : VL040883.D
Acq On : 16 Nov 2023 00:37
Operator : SY/MD
Sample : 05277-06DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

Quant Time: Nov 16 06:36:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Nov 13 15:42:46 2023
Response via : Initial Calibration

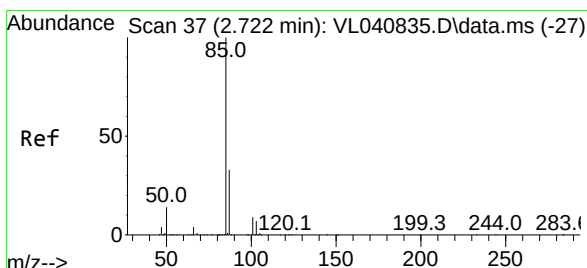
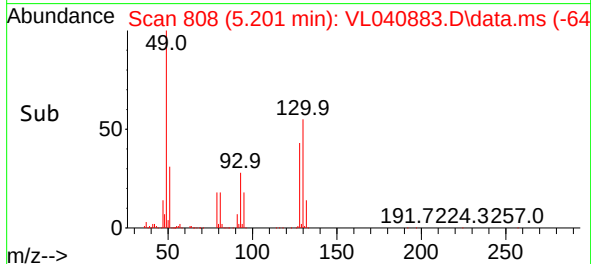
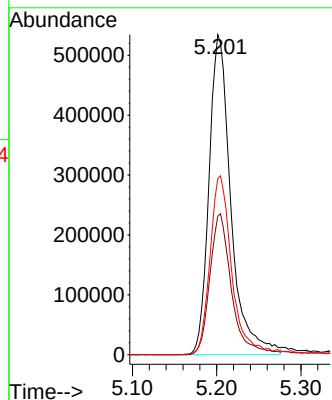
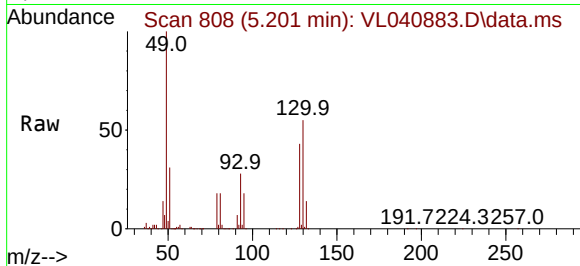




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.029 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

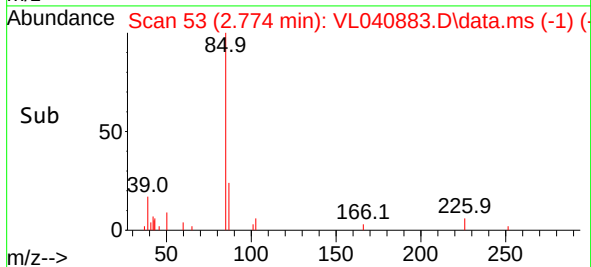
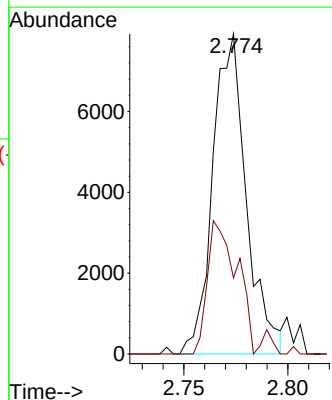
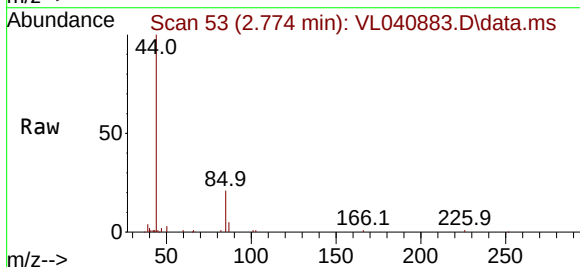
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

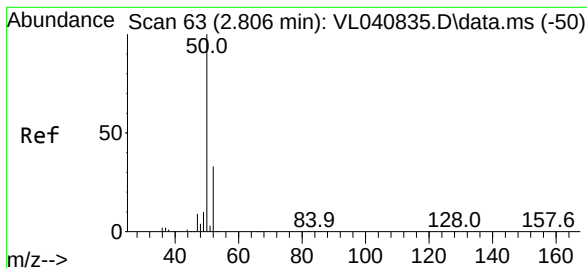
Tgt Ion: 49 Resp: 966510
Ion Ratio Lower Upper
49 100
128 44.8 23.8 71.2
130 57.6 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.045 ppbv
RT: 2.774 min Scan# 53
Delta R.T. 0.051 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 85 Resp: 8867
Ion Ratio Lower Upper
85 100
87 23.7 26.7 40.1#

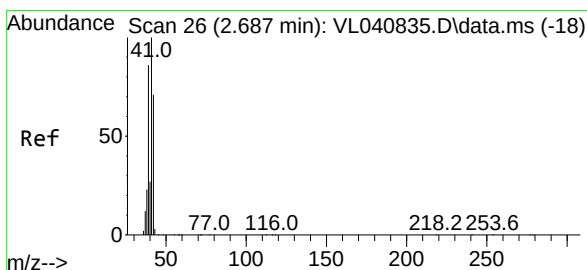
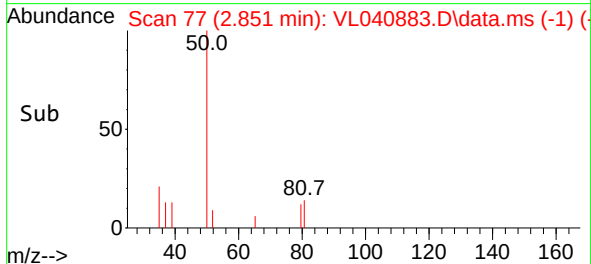
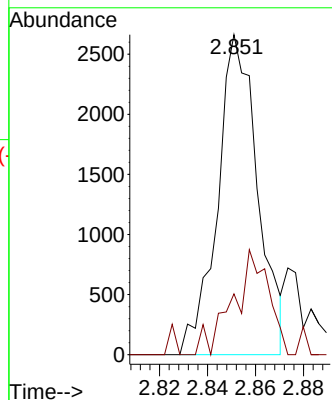
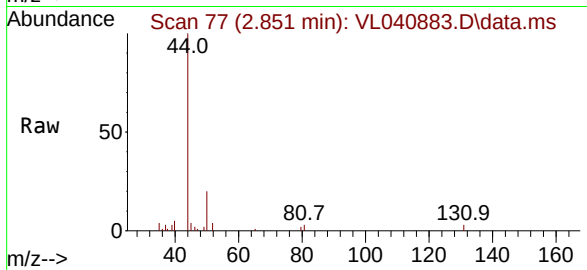




#4
Chloromethane
Concen: 0.056 ppbv
RT: 2.851 min Scan# 71
Delta R.T. 0.045 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

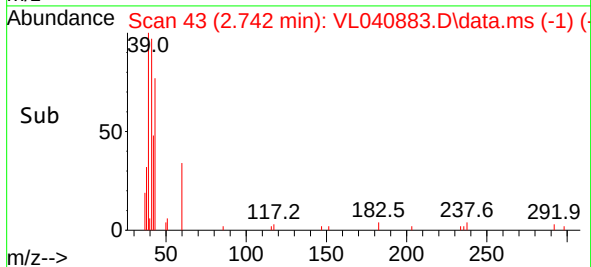
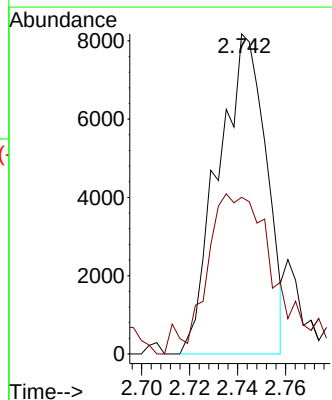
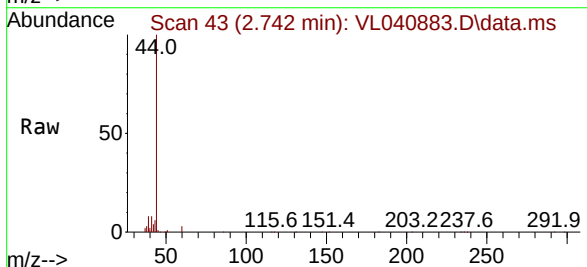
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

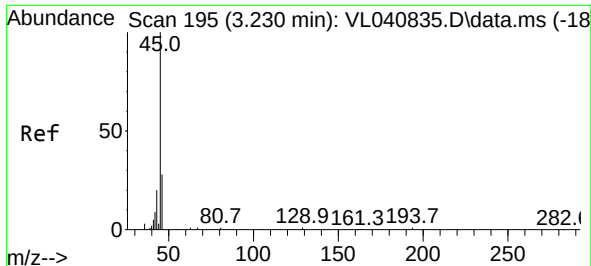
Tgt Ion: 50 Resp: 3104
Ion Ratio Lower Upper
50 100
52 19.0 26.5 39.7#



#9
Propene
Concen: 0.218 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.055 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 41 Resp: 11347
Ion Ratio Lower Upper
41 100
42 79.5 56.5 84.7

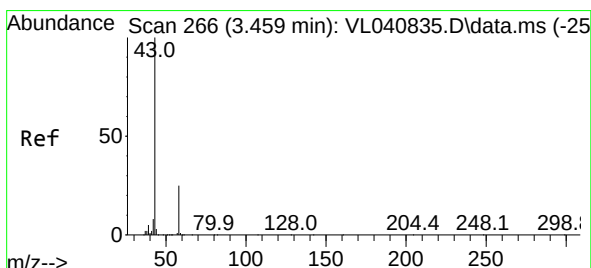
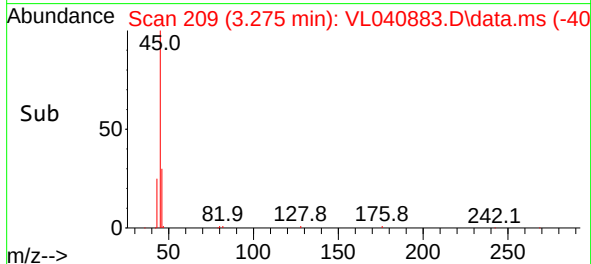
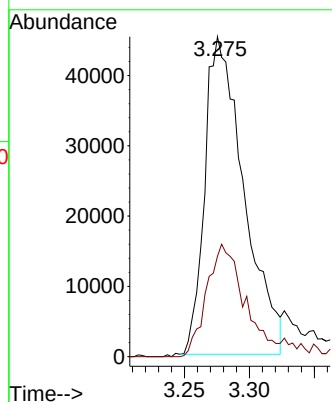
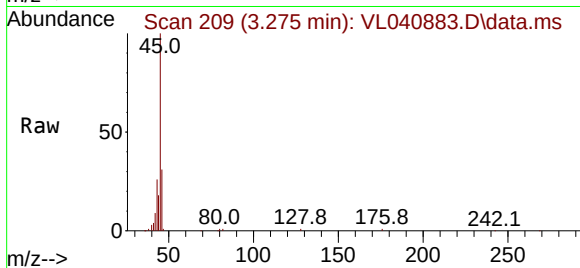




#13
Ethanol
Concen: 9.365 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.045 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

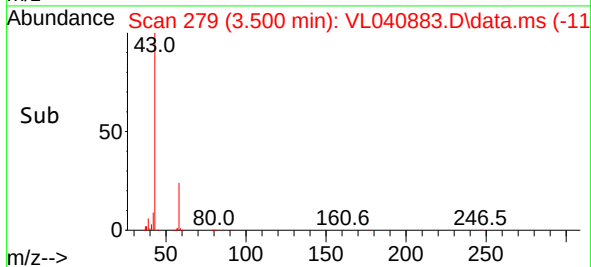
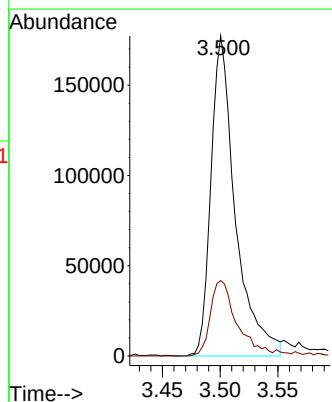
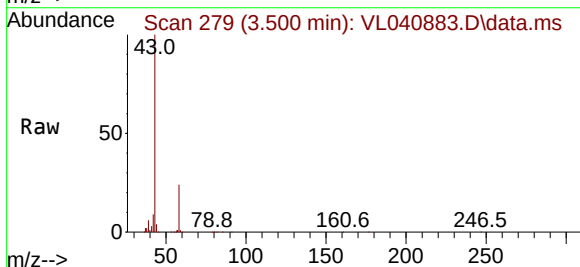
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

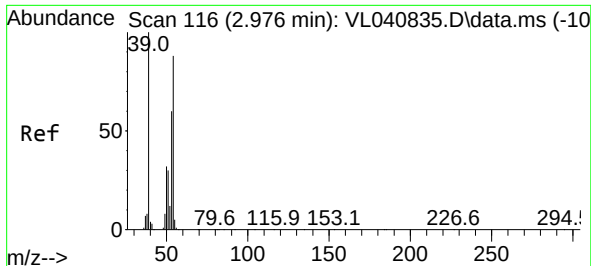
Tgt Ion: 45 Resp: 94572
Ion Ratio Lower Upper
45 100
46 39.7 0.0 0.0#



#15
Acetone
Concen: 2.532 ppbv
RT: 3.500 min Scan# 279
Delta R.T. 0.042 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 43 Resp: 260607
Ion Ratio Lower Upper
43 100
58 27.4 20.9 31.3

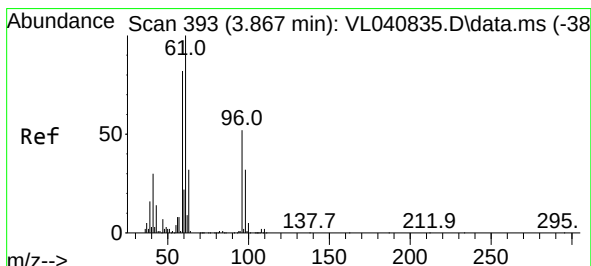
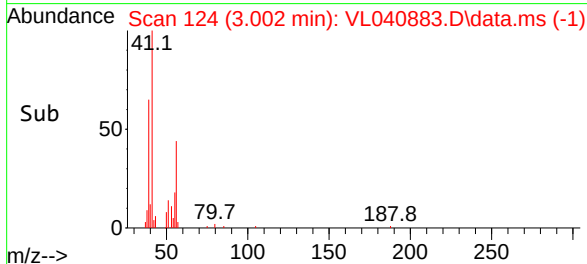
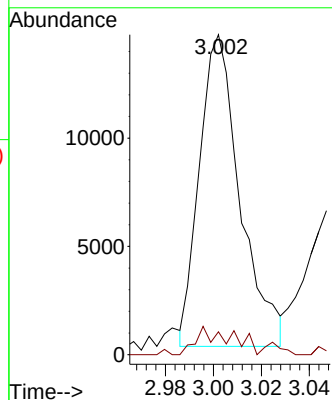
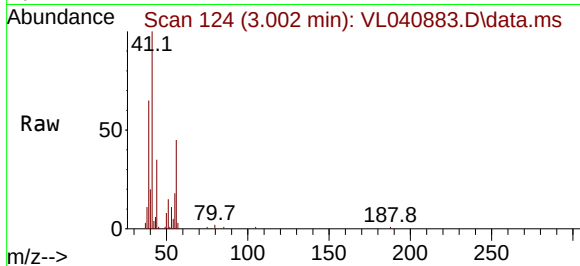




#16
1,3-Butadiene
Concen: 0.325 ppbv
RT: 3.002 min Scan# 116
Delta R.T. 0.026 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

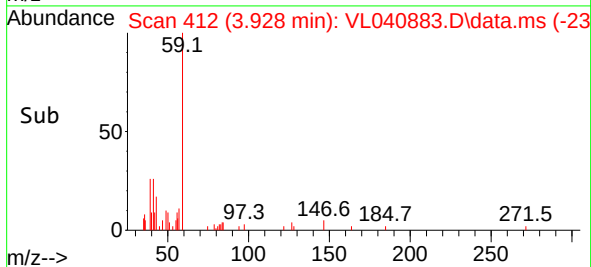
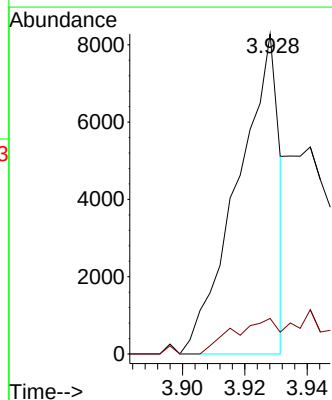
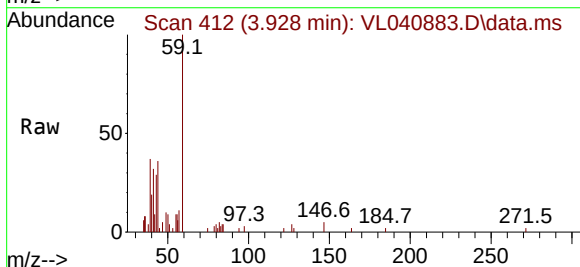
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

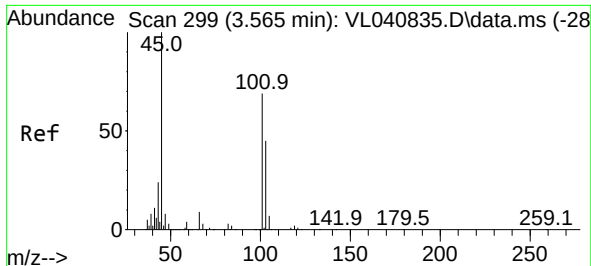
Tgt Ion: 39 Resp: 16903
Ion Ratio Lower Upper
39 100
54 10.0 61.8 92.6#



#17
tert-Butyl alcohol
Concen: 0.087 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.061 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 59 Resp: 7661
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#





#19

Isopropyl Alcohol

Concen: 0.203 ppbv

RT: 3.616 min Scan# 315

Delta R.T. 0.051 min

Lab File: VL040883.D

Acq: 16 Nov 2023 00:37

Instrument :

MSVOA_L

ClientSampleId :

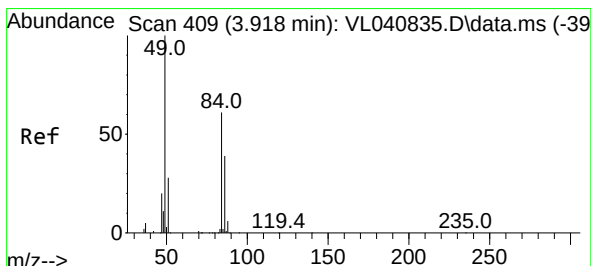
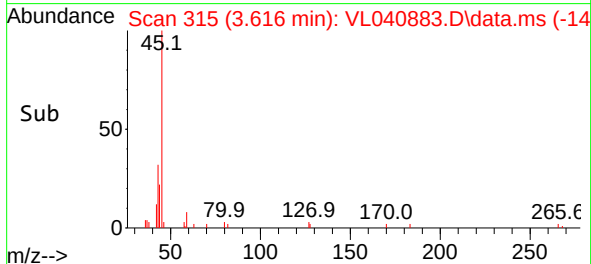
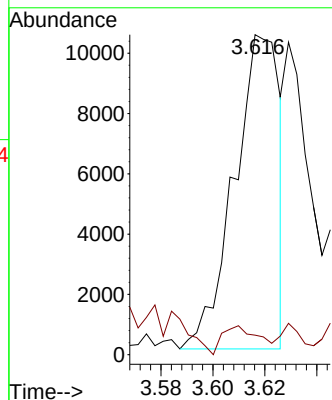
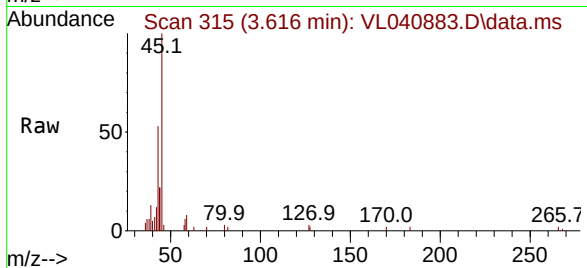
NT-SS-8DL

Tgt Ion: 45 Resp: 12570

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



#20

Methylene Chloride

Concen: 6.411 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.039 min

Lab File: VL040883.D

Acq: 16 Nov 2023 00:37

Tgt Ion: 84 Resp: 272334

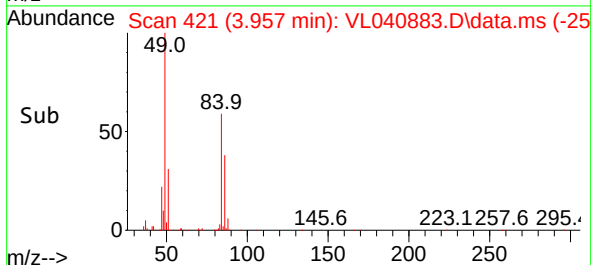
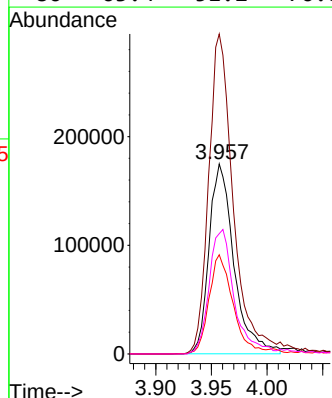
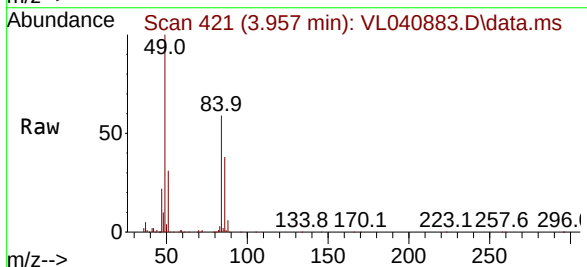
Ion Ratio Lower Upper

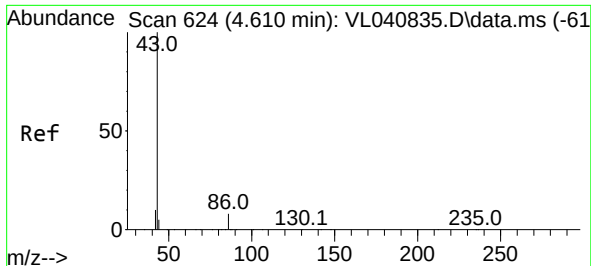
84 100

49 168.6 131.0 196.4

51 52.1 36.9 55.3

86 63.4 51.2 76.8

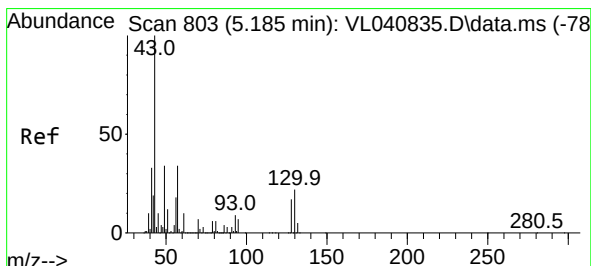
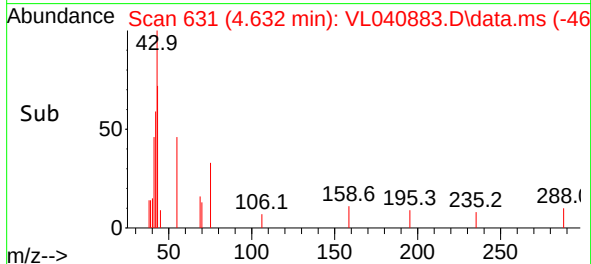
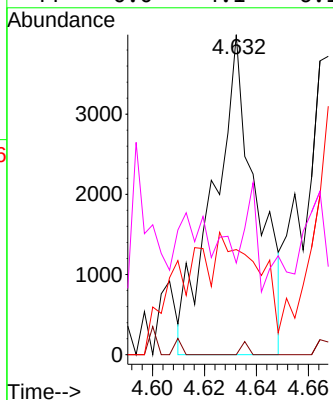
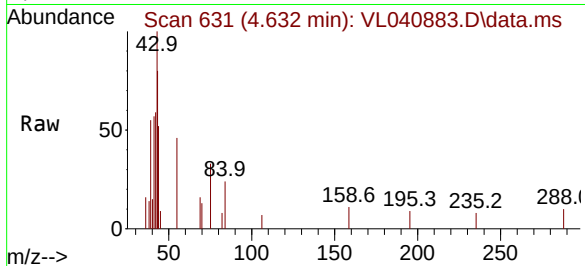




#23
 Vinyl Acetate
 Concen: 0.034 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. 0.022 min
 Lab File: VL040883.D
 Acq: 16 Nov 2023 00:37

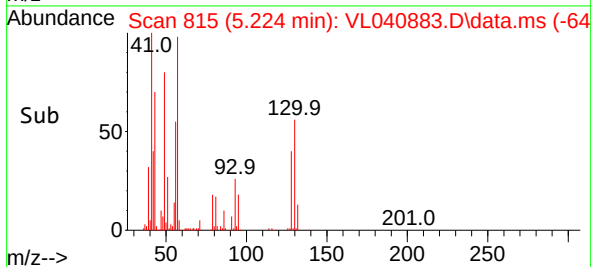
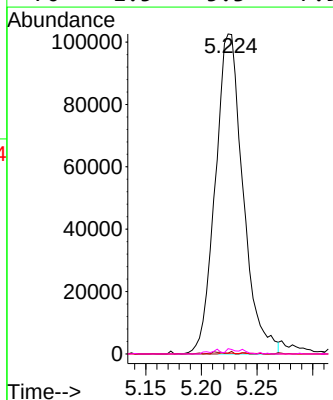
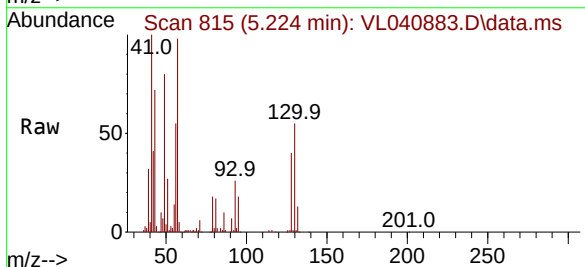
Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8DL

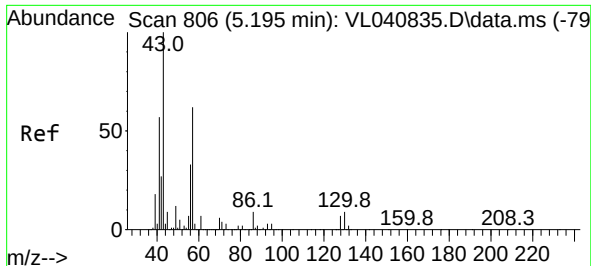
Tgt Ion:	43	Resp:	4533
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	27.0	8.2	12.2#
44	0.0	4.1	6.1#



#25
 Ethyl Acetate
 Concen: 0.834 ppbv
 RT: 5.224 min Scan# 815
 Delta R.T. 0.039 min
 Lab File: VL040883.D
 Acq: 16 Nov 2023 00:37

Tgt Ion:	43	Resp:	177770
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.1	12.1#
61	0.3	7.8	11.6#
70	1.5	5.3	7.9#

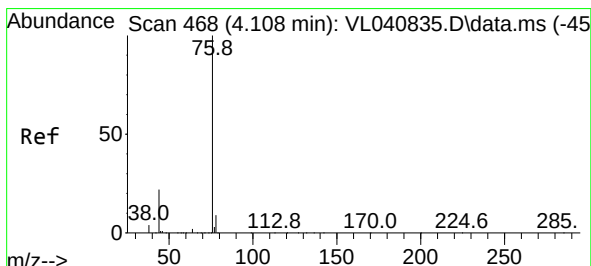
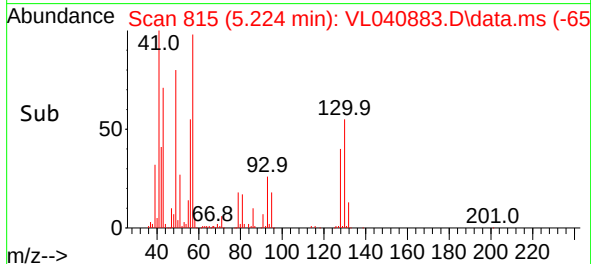
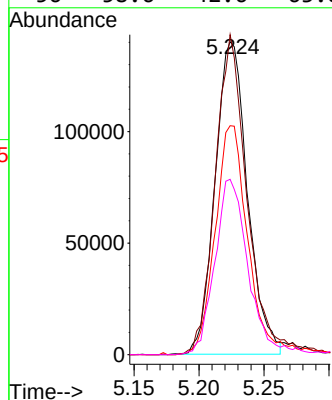
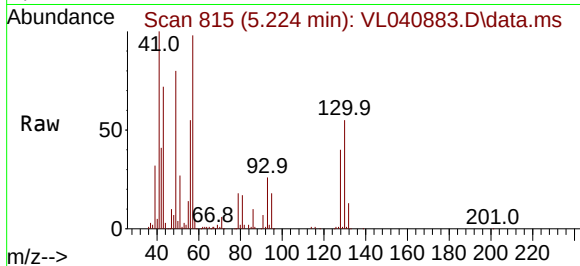




#26
Hexane
Concen: 2.576 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

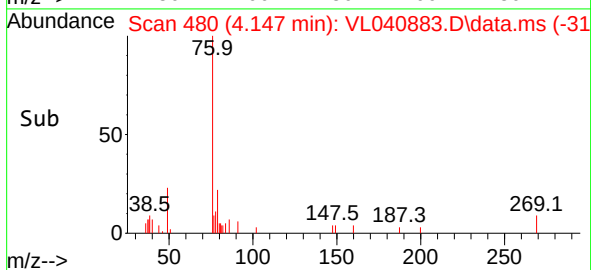
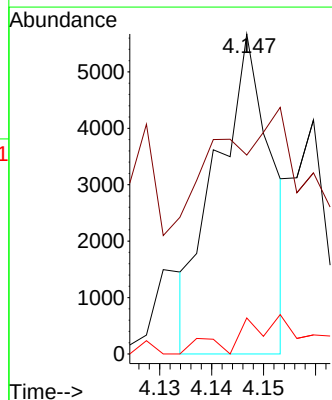
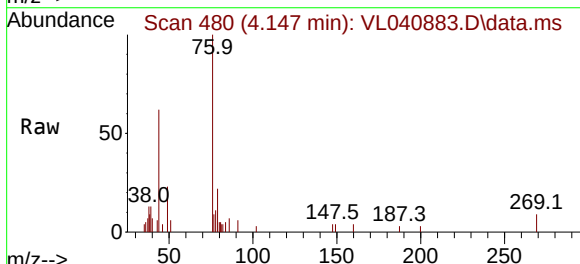
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

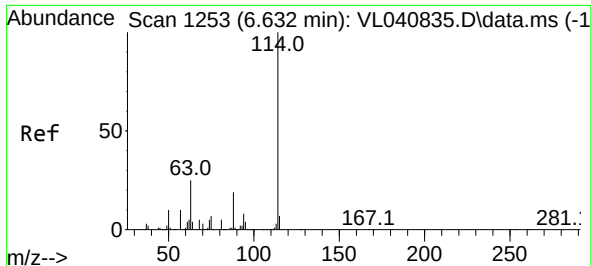
Tgt Ion: 57 Resp: 242995
Ion Ratio Lower Upper
57 100
41 102.1 75.4 113.0
43 75.3 185.9 278.9#
56 58.6 42.6 63.8



#27
Carbon Disulfide
Concen: 0.035 ppbv
RT: 4.147 min Scan# 480
Delta R.T. 0.039 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 76 Resp: 4167
Ion Ratio Lower Upper
76 100
44 0.0 16.7 25.1#
78 0.0 7.6 11.4#

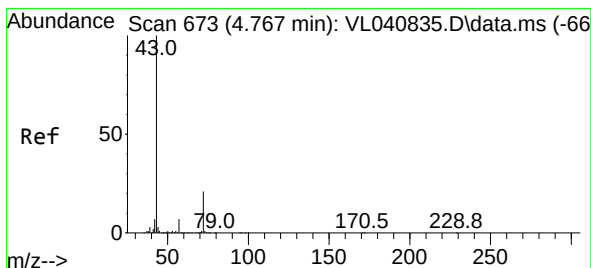
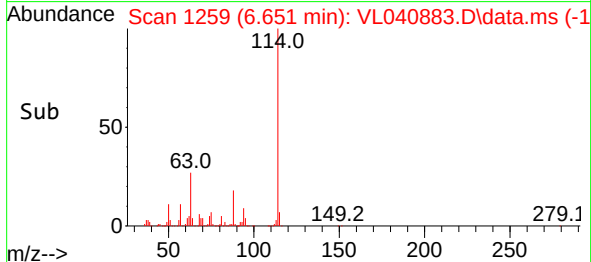
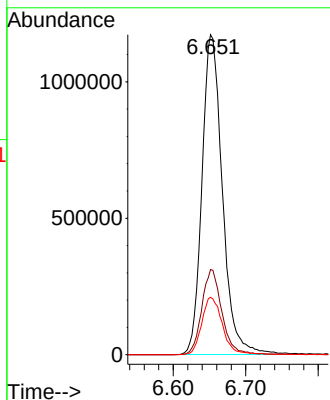
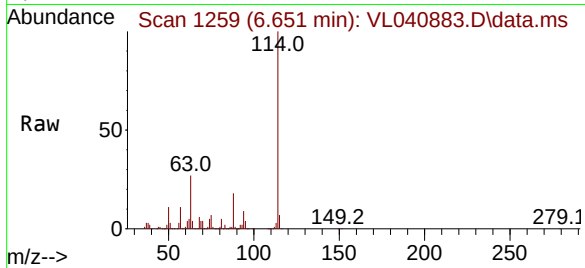




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 111
Delta R.T. 0.019 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

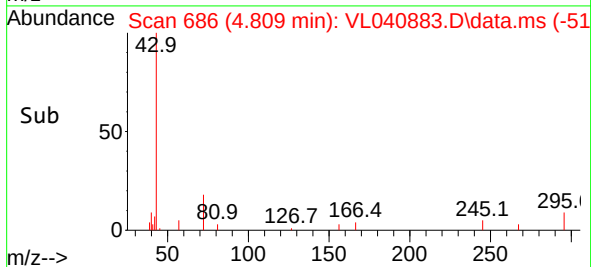
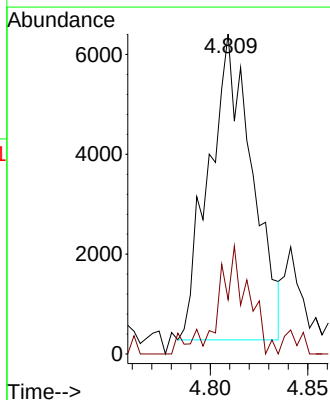
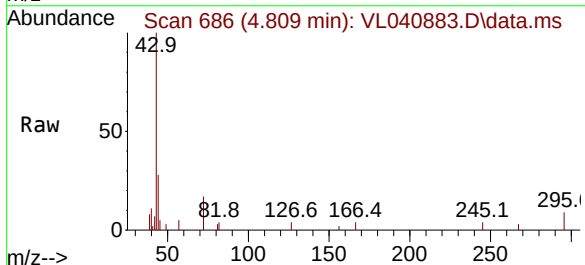
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

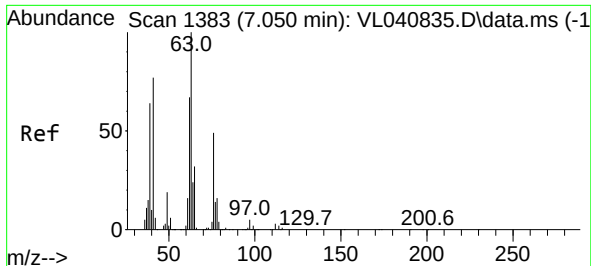
Tgt Ion:114 Resp: 2294757
Ion Ratio Lower Upper
114 100
63 26.4 20.9 31.3
88 18.3 14.3 21.5



#34
2-Butanone
Concen: 0.081 ppbv
RT: 4.809 min Scan# 686
Delta R.T. 0.042 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 43 Resp: 9450
Ion Ratio Lower Upper
43 100
72 25.4 17.2 25.8





#39

1,2-Dichloropropane

Concen: 8.096 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.399 min

Lab File: VL040883.D

Acq: 16 Nov 2023 00:37

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-8DL

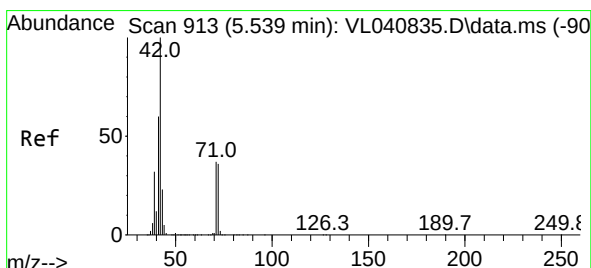
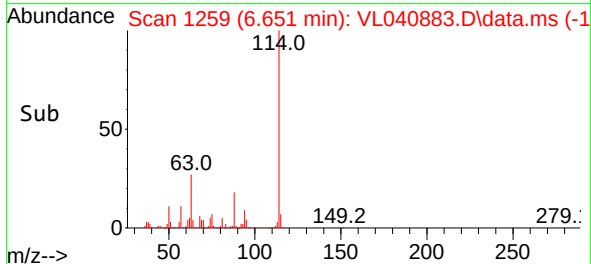
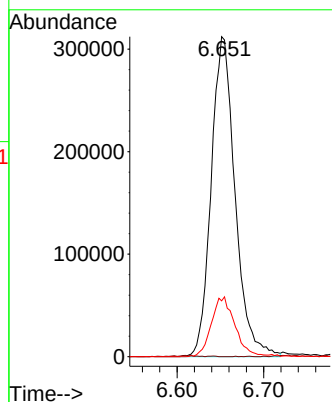
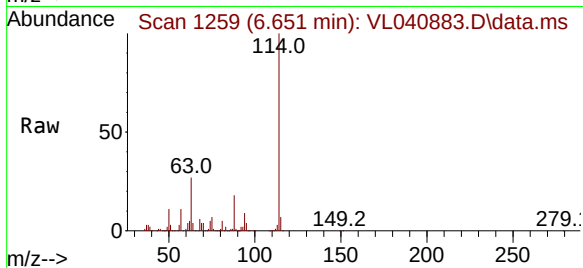
Tgt Ion: 63 Resp: 597873

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 17.5 53.9 80.9#



#41

Tetrahydrofuran

Concen: 1.441 ppbv

RT: 5.224 min Scan# 815

Delta R.T. -0.315 min

Lab File: VL040883.D

Acq: 16 Nov 2023 00:37

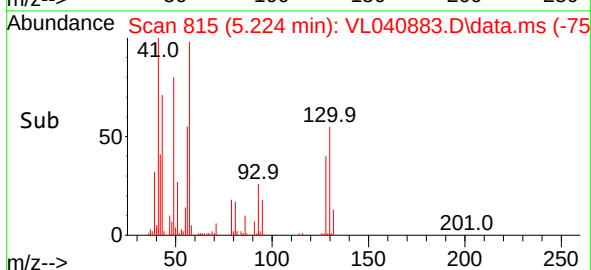
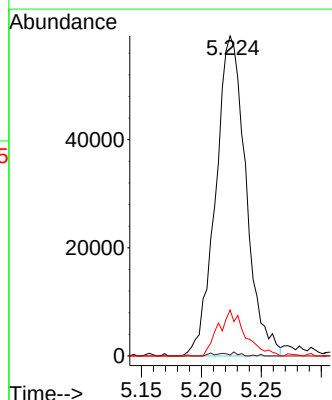
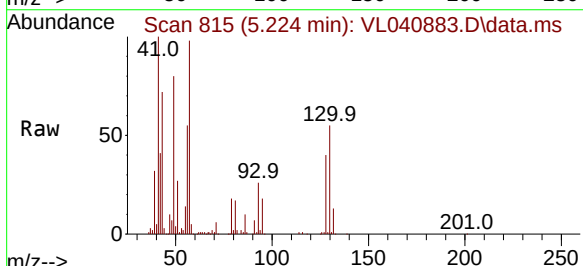
Tgt Ion: 42 Resp: 103719

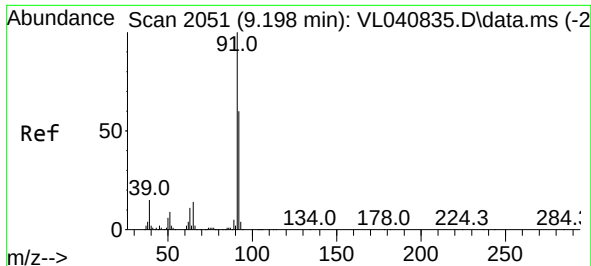
Ion Ratio Lower Upper

42 100

72 0.8 30.8 46.2#

71 13.1 30.0 45.0#

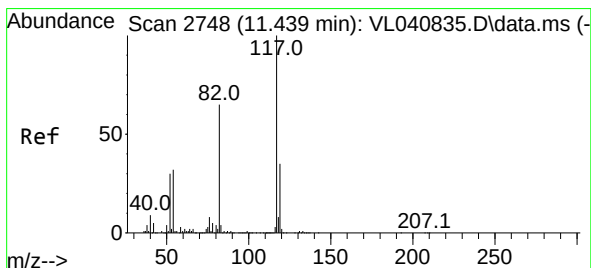
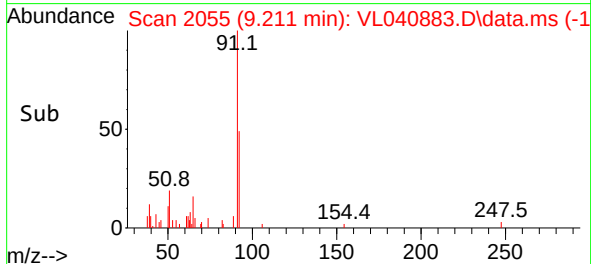
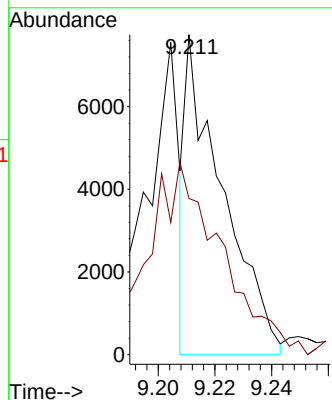
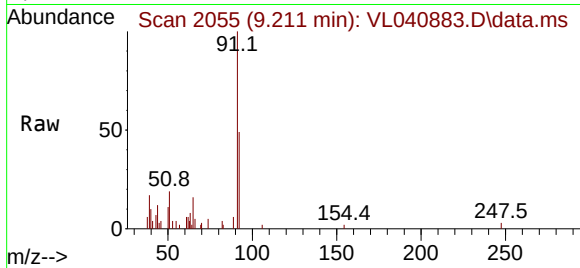




#53
Toluene
Concen: 0.034 ppbv
RT: 9.211 min Scan# 2051
Delta R.T. 0.013 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

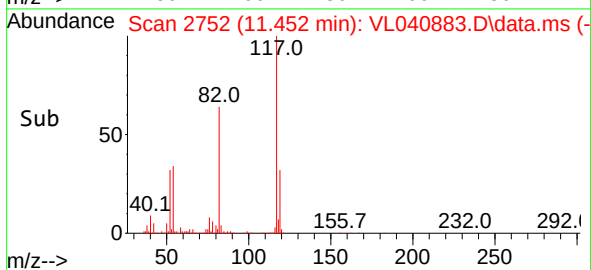
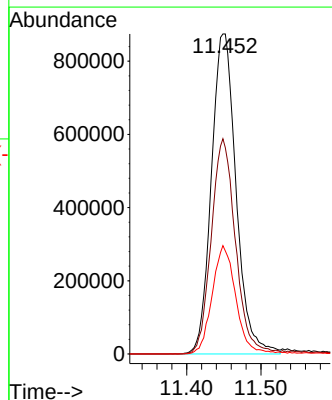
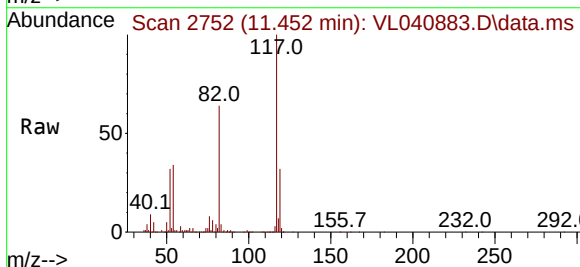
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8DL

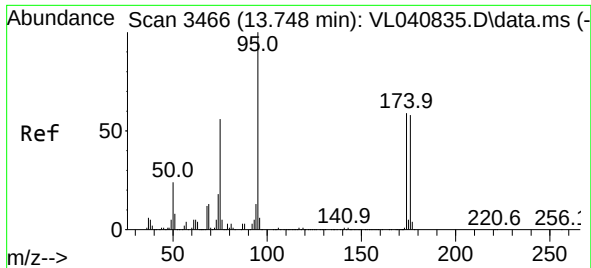
Tgt Ion: 91 Resp: 7003
Ion Ratio Lower Upper
91 100
92 125.3 49.4 74.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.013 min
Lab File: VL040883.D
Acq: 16 Nov 2023 00:37

Tgt Ion: 117 Resp: 2023898
Ion Ratio Lower Upper
117 100
82 67.6 50.6 75.8
119 33.2 23.3 34.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.231 ppbv
 RT: 13.754 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL040883.D
 Acq: 16 Nov 2023 00:37

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8DL

Tgt Ion: 95 Resp: 1621230
 Ion Ratio Lower Upper
 95 100
 174 57.3 47.5 71.3
 175 4.4 3.6 5.4

