

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040881.D
 Acq On : 15 Nov 2023 23:21
 Operator : SY/MD
 Sample : 05277-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-5DL

Quant Time: Nov 16 06:35:12 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	5.202	49	979575	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.652	114	2370477	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2074719	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1633064	10.054	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

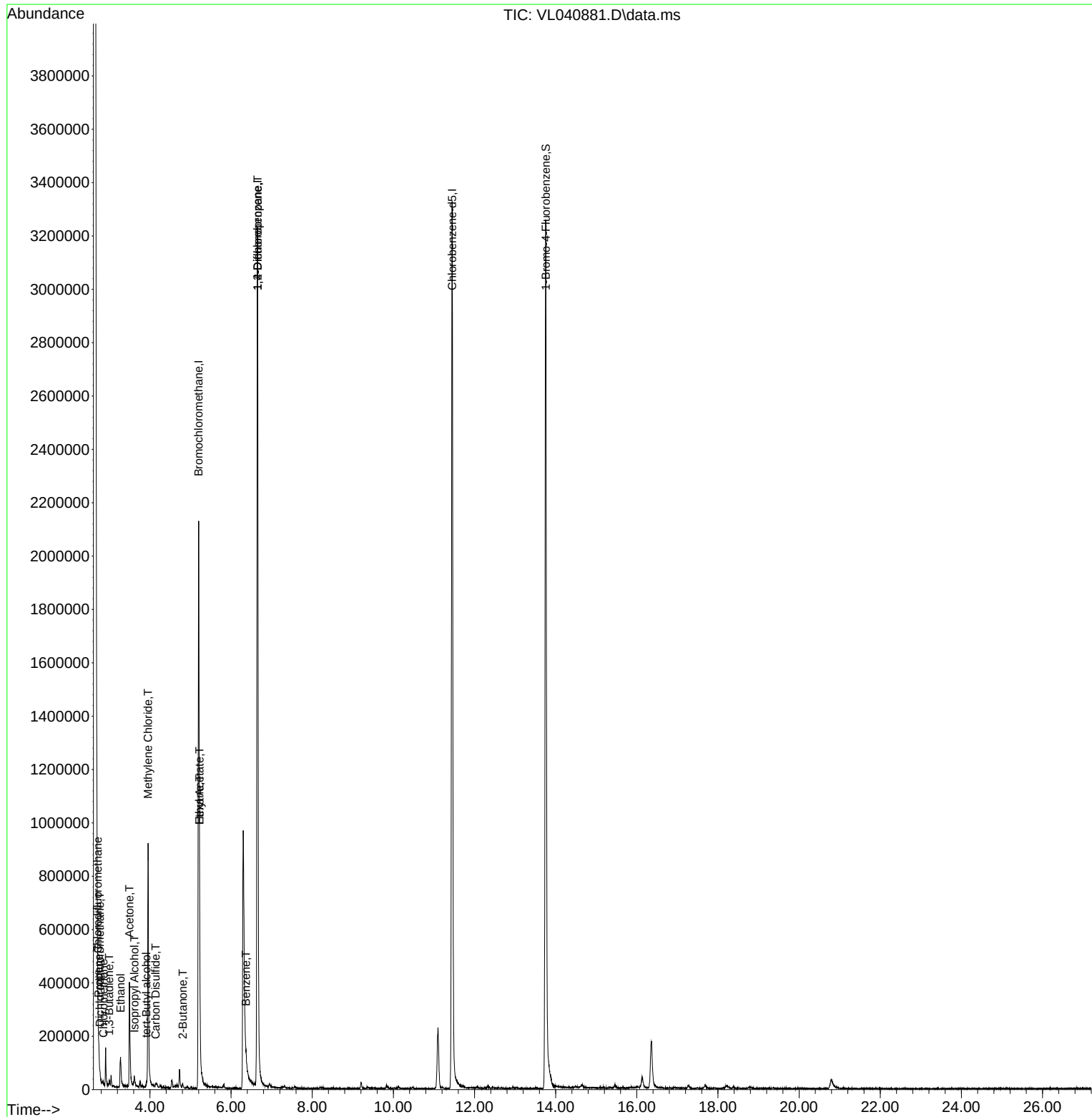
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.768	85	8391	0.042	ppbv	89
3) Chlorodifluoromethane	2.716	51	5908	0.038	ppbv	94
4) Chloromethane	2.851	50	4329	0.077	ppbv	95
9) Propene	2.739	41	13064	0.248	ppbv	84
13) Ethanol	3.276	45	115583	11.293	ppbv #	100
15) Acetone	3.494	43	374941	3.594	ppbv	93
16) 1,3-Butadiene	2.999	39	4397	0.083	ppbv #	11
17) tert-Butyl alcohol	3.912	59	3473	0.039	ppbv #	20
19) Isopropyl Alcohol	3.620	45	38988	0.621	ppbv #	1
20) Methylene Chloride	3.954	84	282493	6.561	ppbv	96
25) Ethyl Acetate	5.224	43	115345	0.534	ppbv #	78
26) Hexane	5.224	57	162613	1.701	ppbv #	40
27) Carbon Disulfide	4.140	76	5753	0.047	ppbv #	51
34) 2-Butanone	4.809	43	14004	0.116	ppbv #	80
36) Benzene	6.369	78	7889	0.041	ppbv #	73
39) 1,2-Dichloropropane	6.652	63	618658	8.110	ppbv #	24

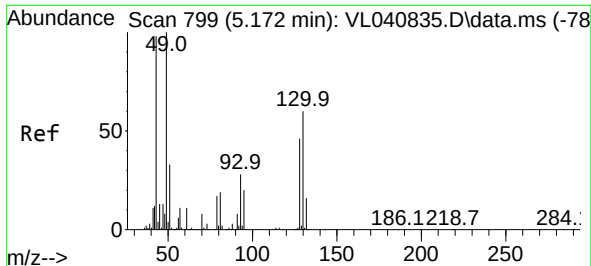
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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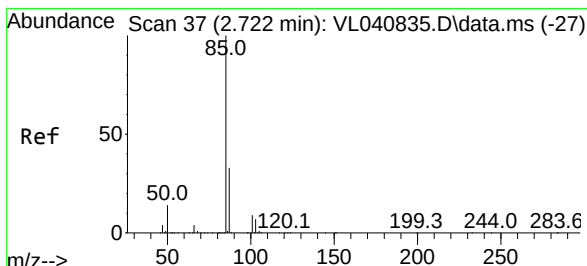
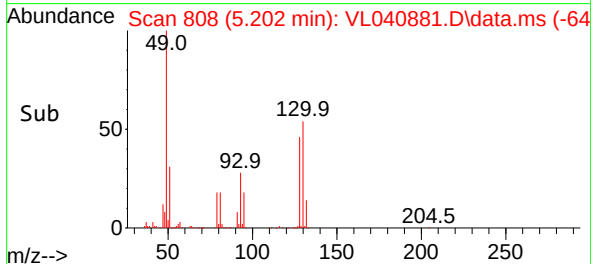
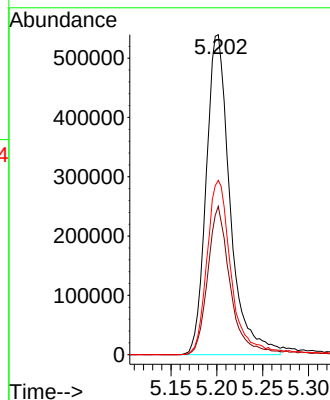
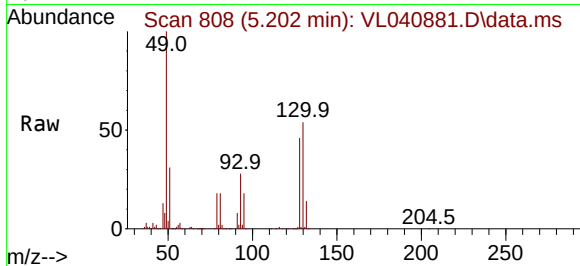




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.030 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

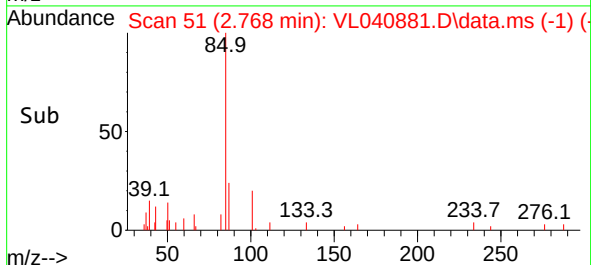
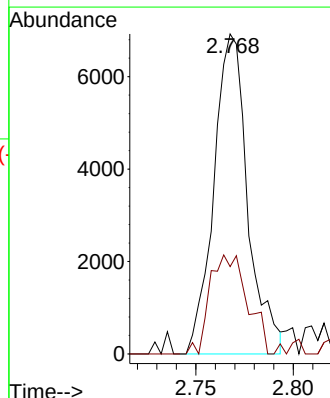
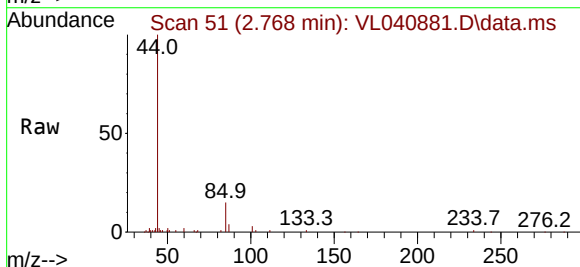
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-5DL

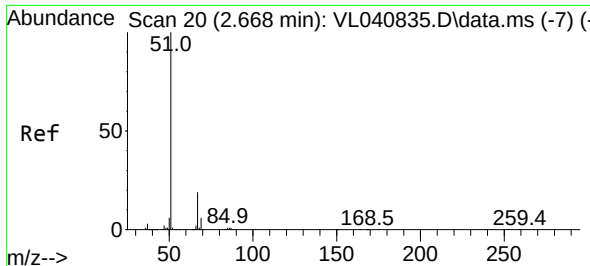
Tgt Ion: 49 Resp: 979575
Ion Ratio Lower Upper
49 100
128 45.4 23.8 71.2
130 56.5 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.042 ppbv
RT: 2.768 min Scan# 51
Delta R.T. 0.045 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 85 Resp: 8391
Ion Ratio Lower Upper
85 100
87 27.3 26.7 40.1

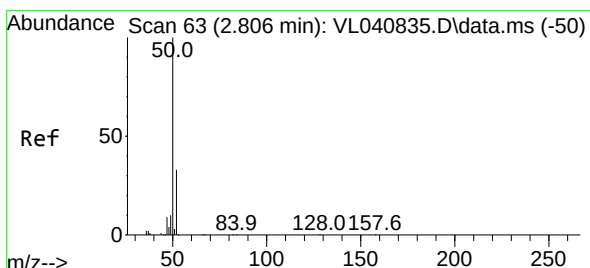
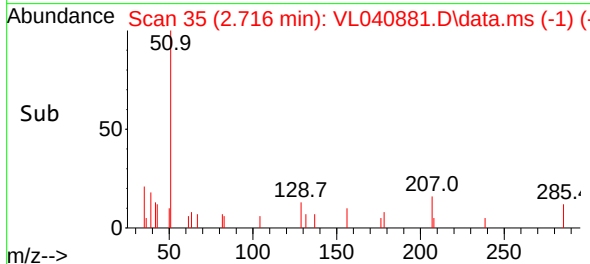
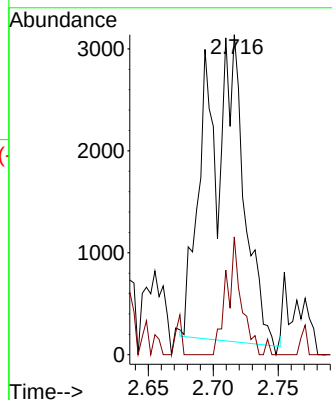
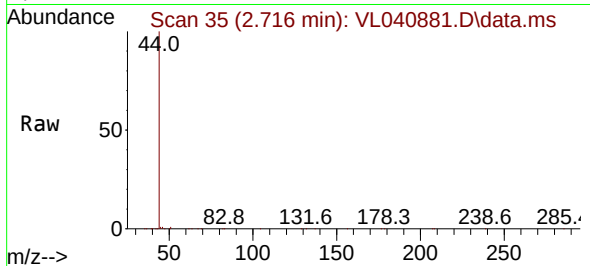




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.716 min Scan# 31
Delta R.T. 0.048 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

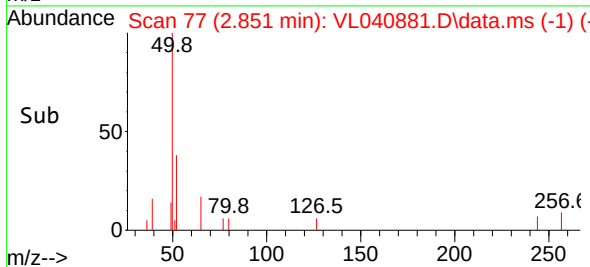
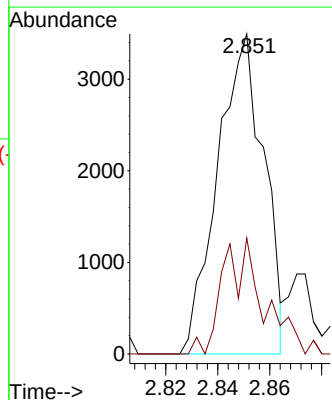
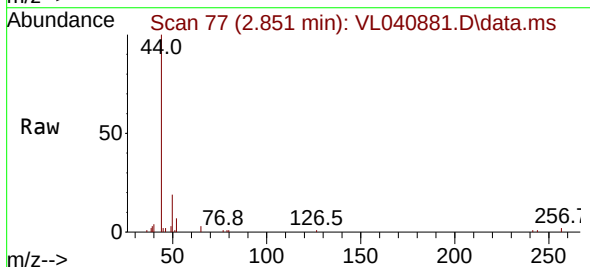
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-5DL

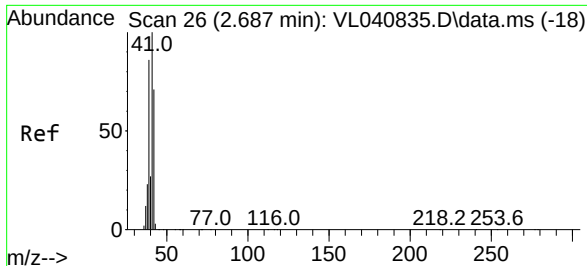
Tgt Ion: 51 Resp: 5908
Ion Ratio Lower Upper
51 100
67 15.9 15.0 22.4



#4
Chloromethane
Concen: 0.077 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.045 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 50 Resp: 4329
Ion Ratio Lower Upper
50 100
52 36.2 26.5 39.7

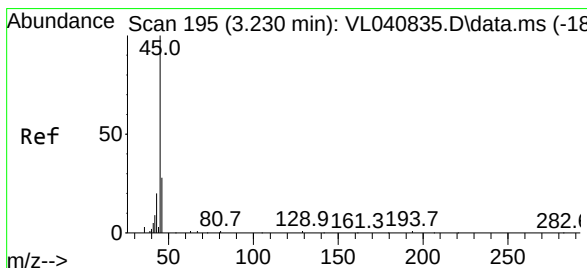
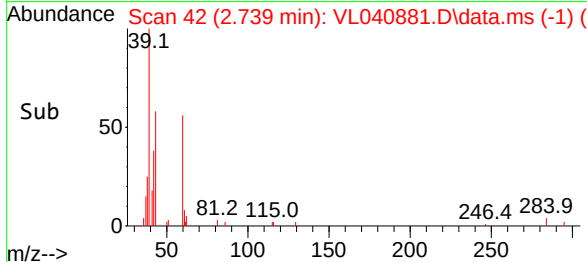
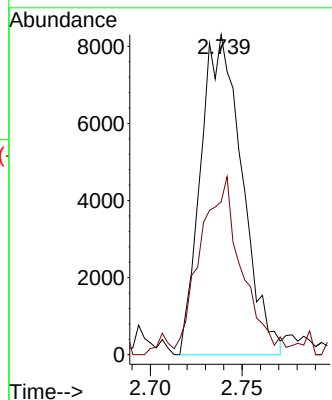
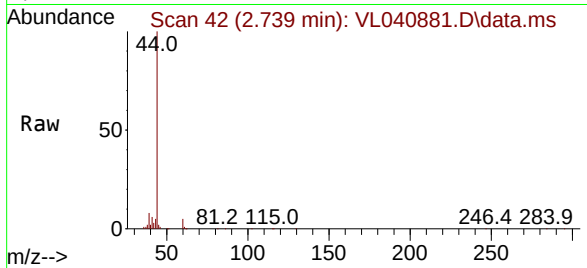




#9
 Propene
 Concen: 0.248 ppbv
 RT: 2.739 min Scan# 41
 Delta R.T. 0.052 min
 Lab File: VL040881.D
 Acq: 15 Nov 2023 23:21

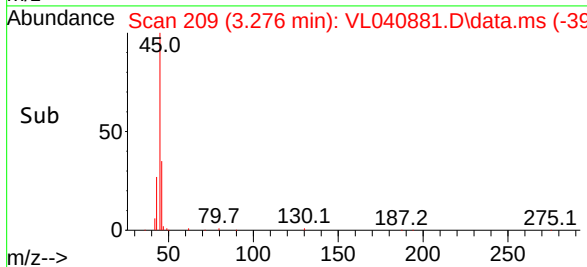
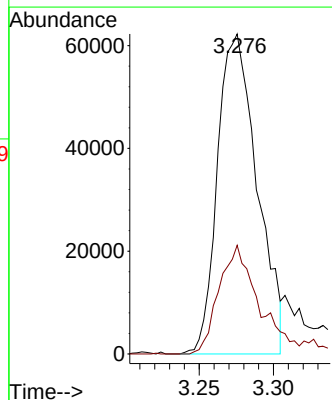
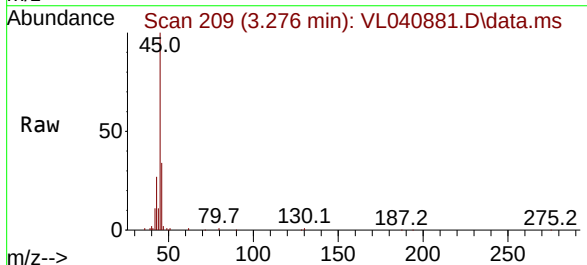
Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-5DL

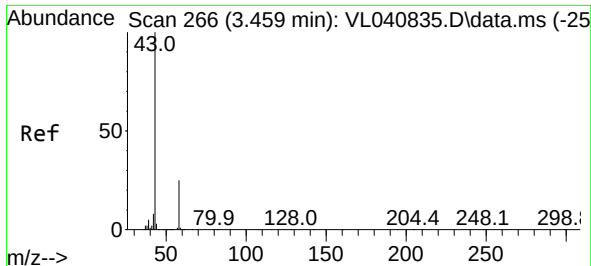
Tgt Ion: 41 Resp: 13064
 Ion Ratio Lower Upper
 41 100
 42 57.4 56.5 84.7



#13
 Ethanol
 Concen: 11.293 ppbv
 RT: 3.276 min Scan# 209
 Delta R.T. 0.045 min
 Lab File: VL040881.D
 Acq: 15 Nov 2023 23:21

Tgt Ion: 45 Resp: 115583
 Ion Ratio Lower Upper
 45 100
 46 36.6 0.0 0.0#

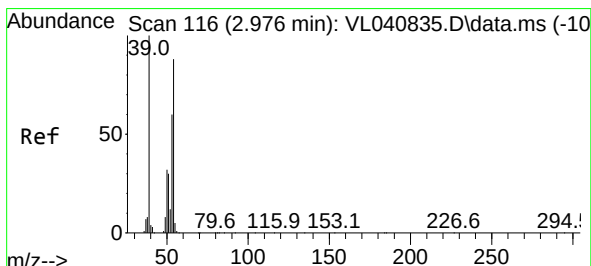
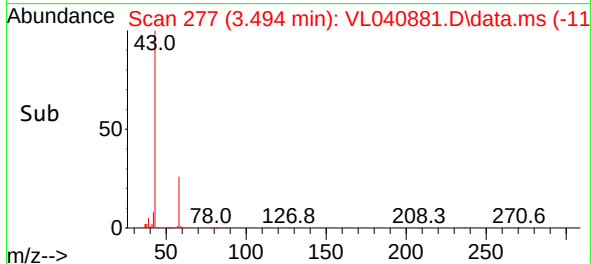
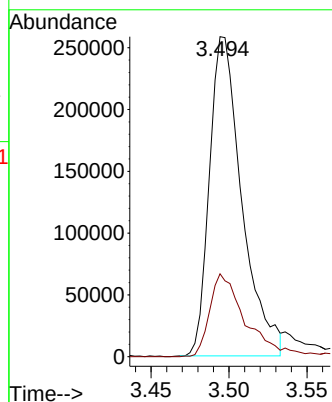
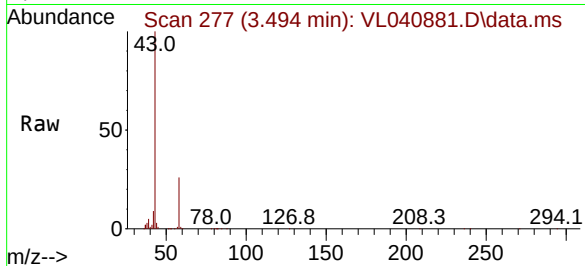




#15
Acetone
Concen: 3.594 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.036 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

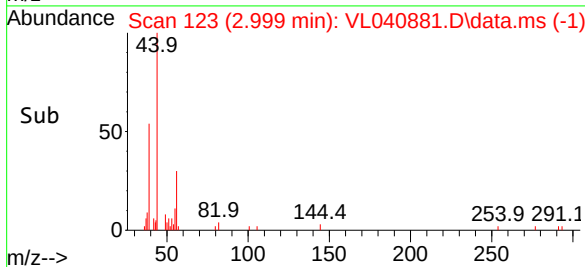
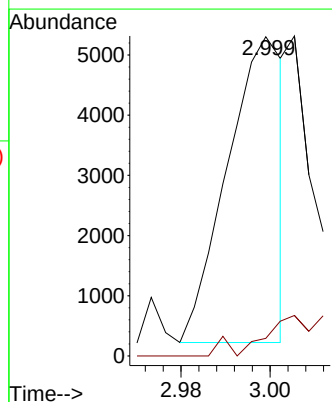
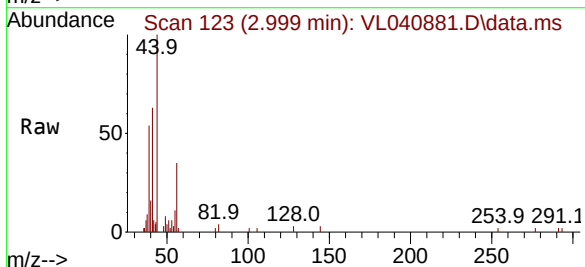
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-5DL

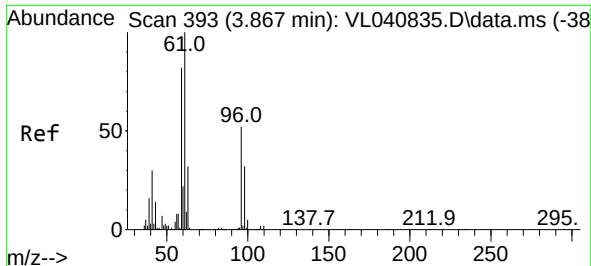
Tgt Ion: 43 Resp: 374941
Ion Ratio Lower Upper
43 100
58 29.9 20.9 31.3



#16
1,3-Butadiene
Concen: 0.083 ppbv
RT: 2.999 min Scan# 123
Delta R.T. 0.023 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 39 Resp: 4397
Ion Ratio Lower Upper
39 100
54 0.0 61.8 92.6#





#17

tert-Butyl alcohol

Concen: 0.039 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.045 min

Lab File: VL040881.D

Acq: 15 Nov 2023 23:21

Instrument :

MSVOA_L

ClientSampleId :

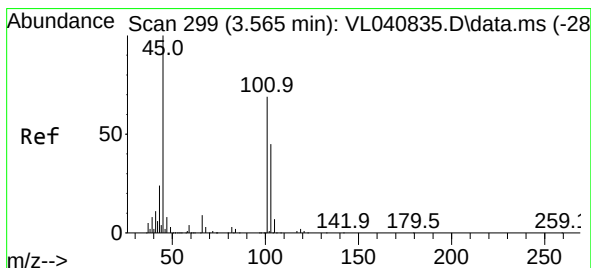
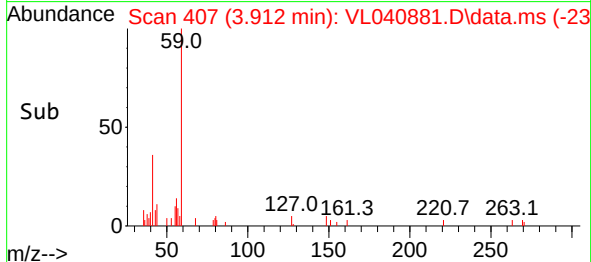
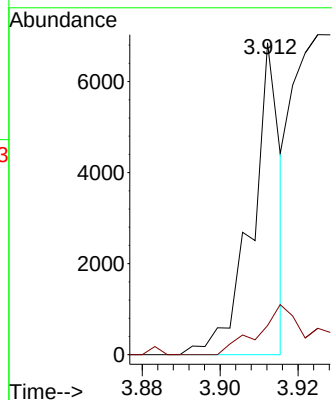
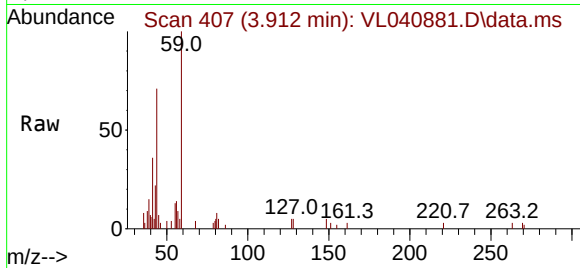
NT-SS-5DL

Tgt Ion: 59 Resp: 3473

Ion Ratio Lower Upper

59 100

57 41.8 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.621 ppbv

RT: 3.620 min Scan# 316

Delta R.T. 0.055 min

Lab File: VL040881.D

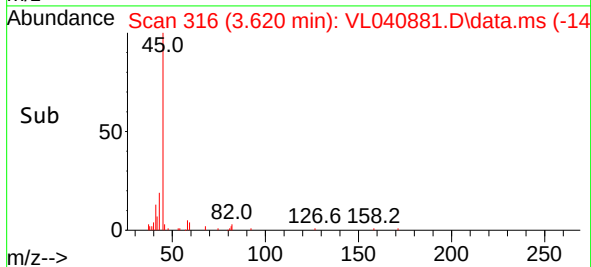
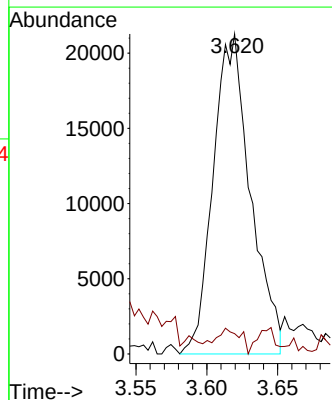
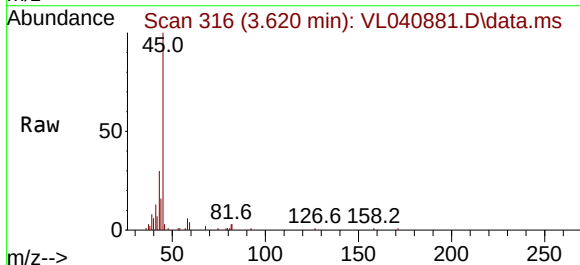
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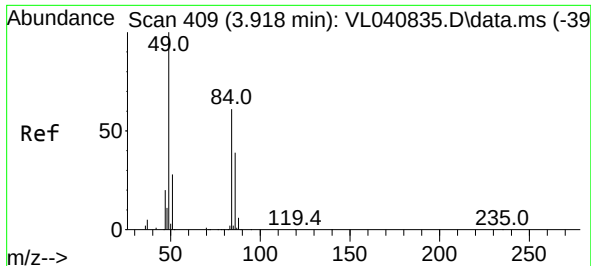
Tgt Ion: 45 Resp: 38988

Ion Ratio Lower Upper

45 100

58 287.6 1.6 2.4#

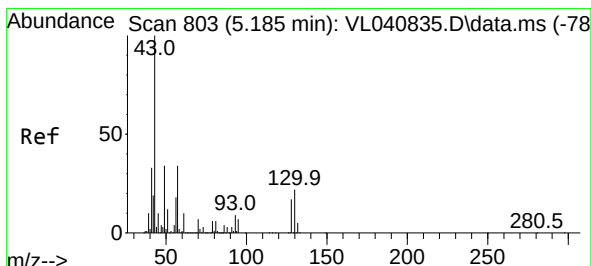
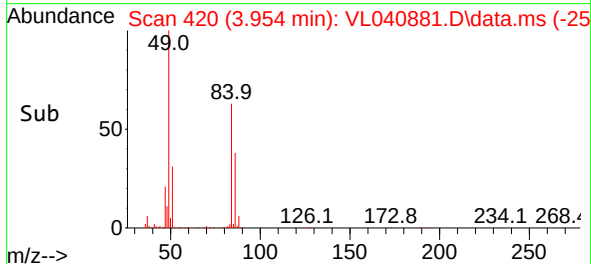
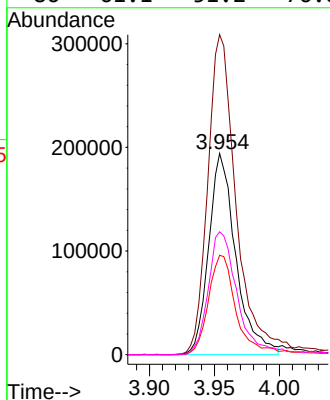
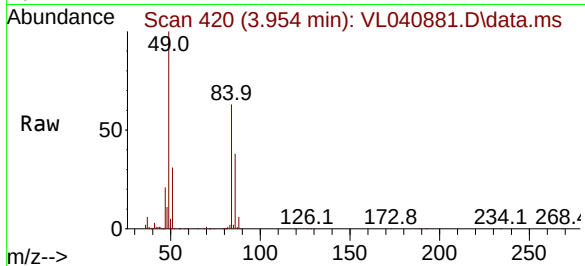




#20
Methylene Chloride
Concen: 6.561 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.035 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

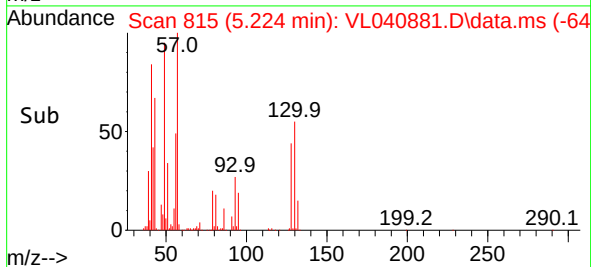
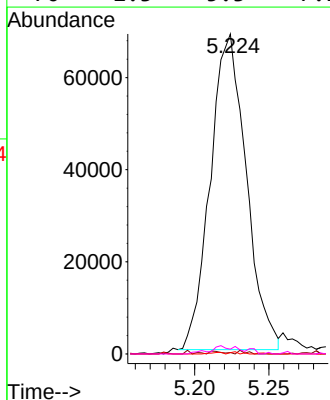
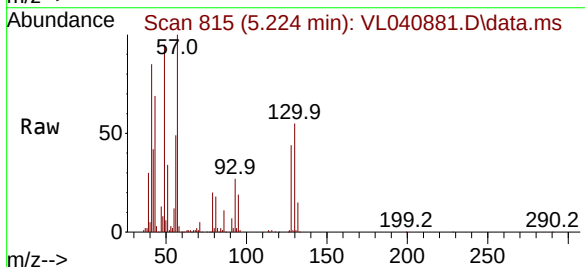
Instrument :
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ClientSampleId :
NT-SS-5DL

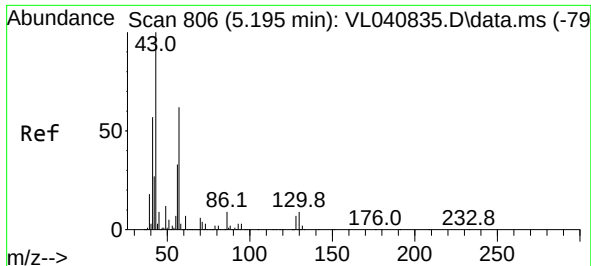
Tgt Ion: 84 Resp: 282493
Ion Ratio Lower Upper
84 100
49 158.6 131.0 196.4
51 49.9 36.9 55.3
86 61.1 51.2 76.8



#25
Ethyl Acetate
Concen: 0.534 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.039 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 43 Resp: 115345
Ion Ratio Lower Upper
43 100
45 0.9 8.1 12.1#
61 0.4 7.8 11.6#
70 2.3 5.3 7.9#

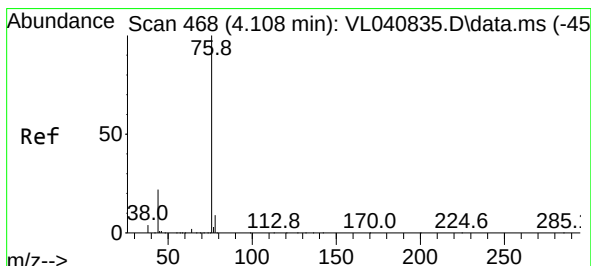
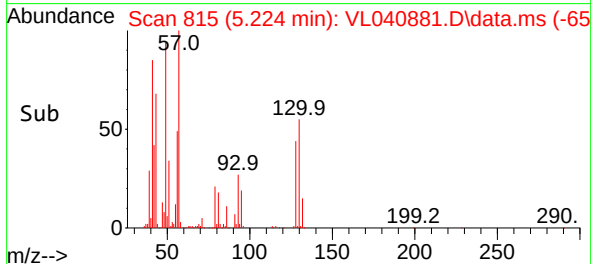
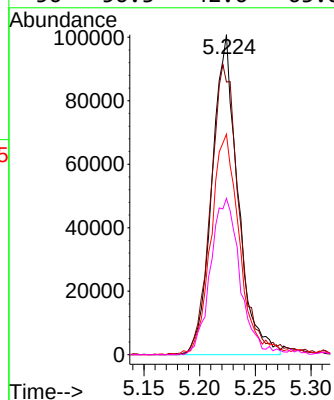
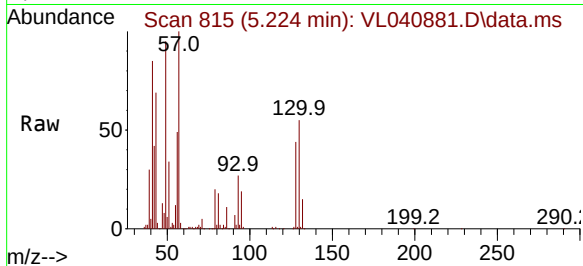




#26
Hexane
Concen: 1.701 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.029 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

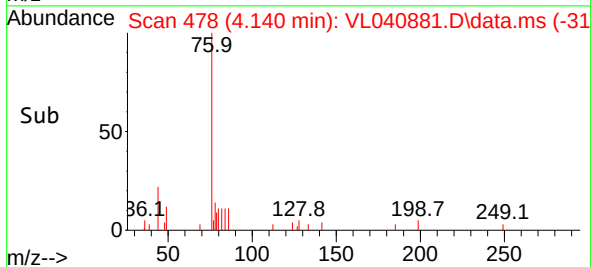
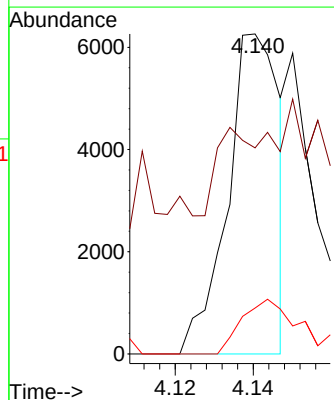
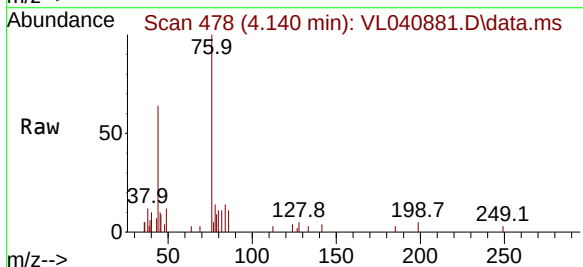
Instrument :
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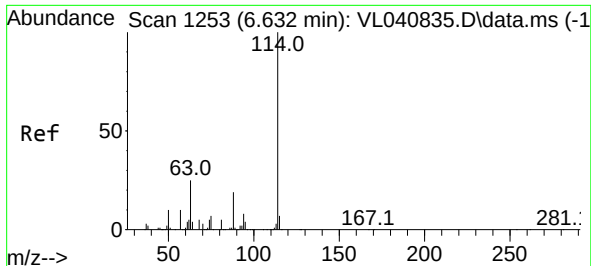
Tgt Ion: 57 Resp: 162613
Ion Ratio Lower Upper
57 100
41 101.6 75.4 113.0
43 77.2 185.9 278.9#
56 56.3 42.6 63.8



#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 4.140 min Scan# 478
Delta R.T. 0.032 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 76 Resp: 5753
Ion Ratio Lower Upper
76 100
44 0.0 16.7 25.1#
78 30.4 7.6 11.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL040881.D

Acq: 15 Nov 2023 23:21

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-5DL

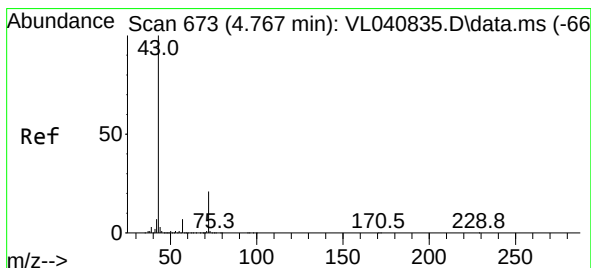
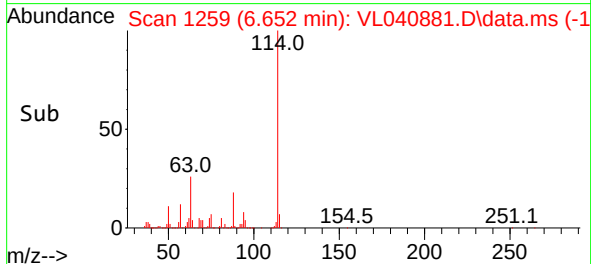
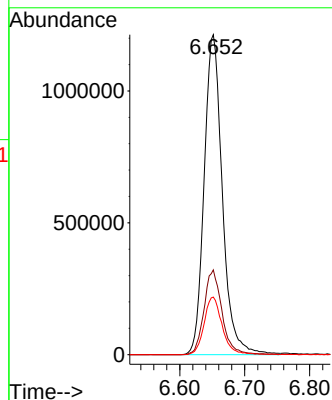
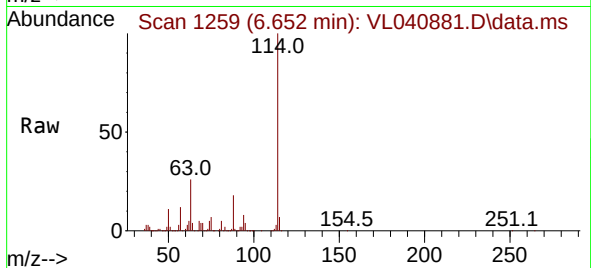
Tgt Ion:114 Resp: 2370477

Ion Ratio Lower Upper

114 100

63 26.4 20.9 31.3

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.116 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.042 min

Lab File: VL040881.D

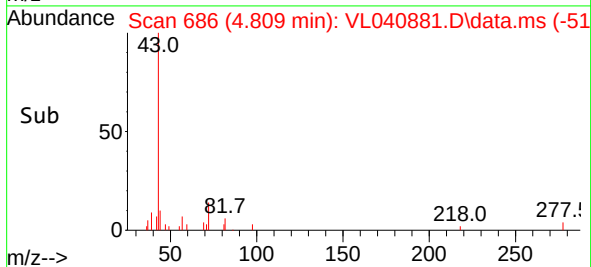
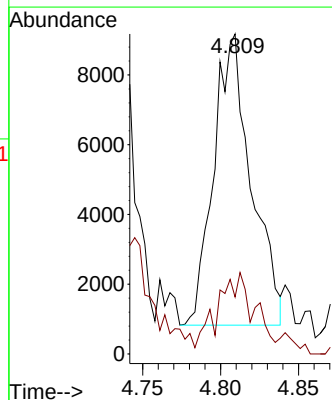
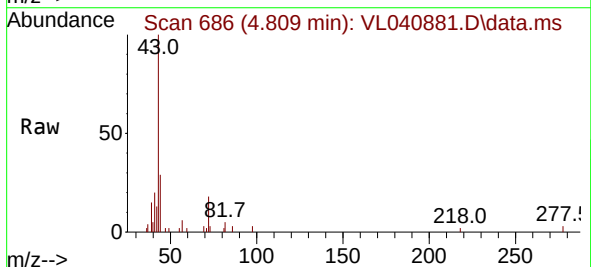
Acq: 15 Nov 2023 23:21

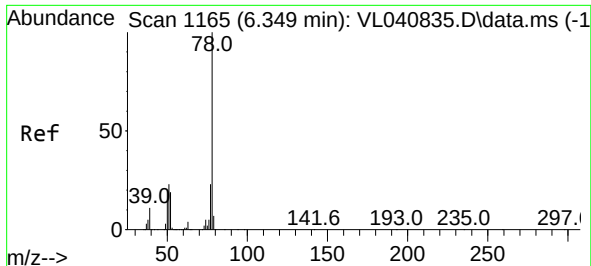
Tgt Ion: 43 Resp: 14004

Ion Ratio Lower Upper

43 100

72 31.2 17.2 25.8#

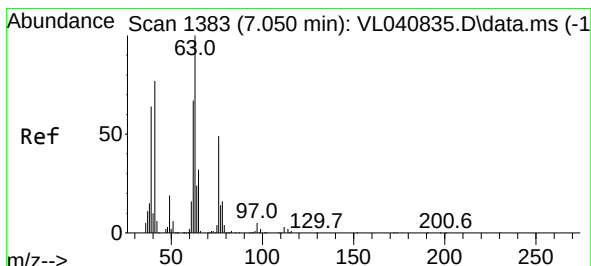
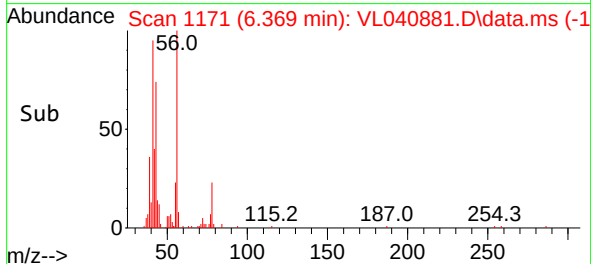
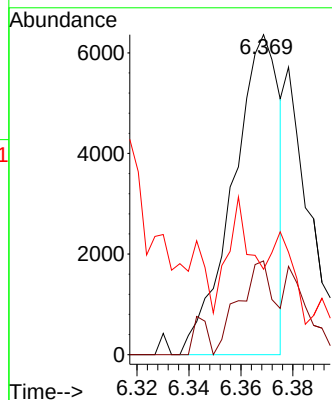
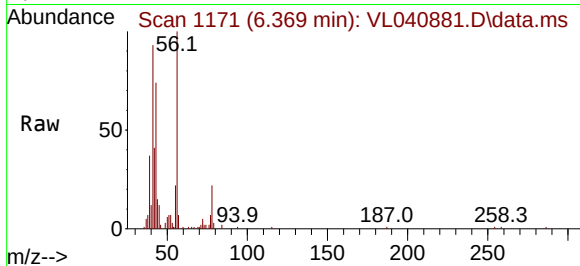




#36
Benzene
Concen: 0.041 ppbv
RT: 6.369 min Scan# 1165
Delta R.T. 0.019 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

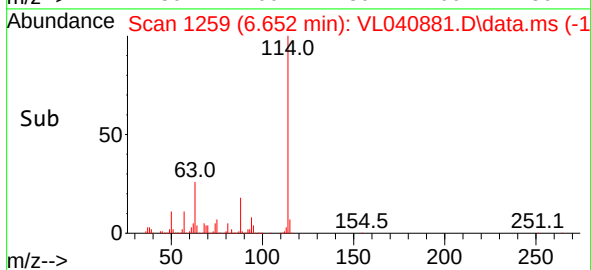
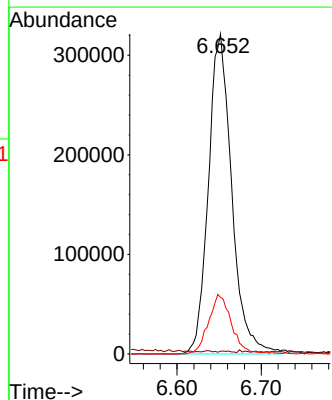
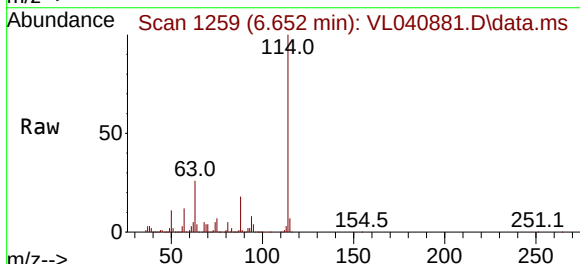
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-5DL

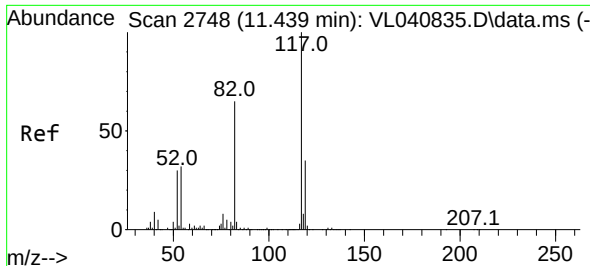
Tgt Ion: 78 Resp: 7889
Ion Ratio Lower Upper
78 100
77 29.3 18.4 27.6#
50 0.0 16.2 24.2#



#39
1,2-Dichloropropane
Concen: 8.110 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.399 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 63 Resp: 618658
Ion Ratio Lower Upper
63 100
41 0.1 61.5 92.3#
62 17.6 53.9 80.9#

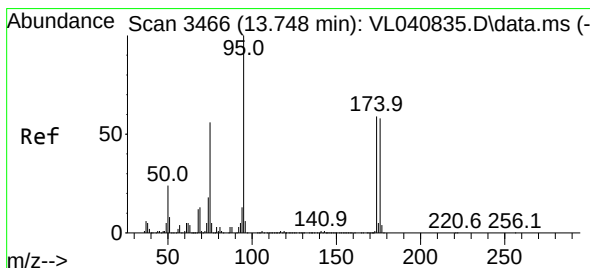
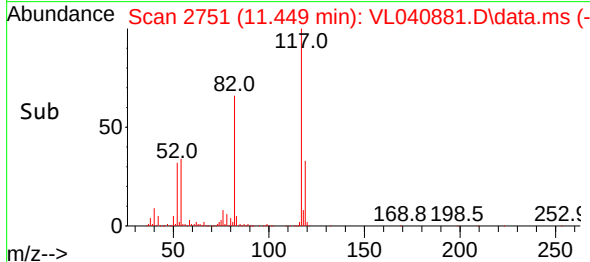
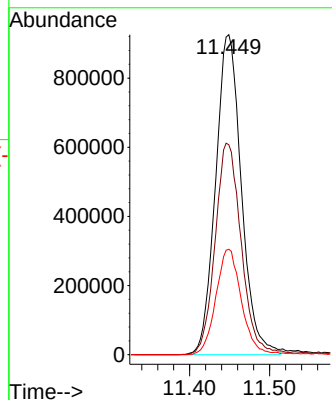
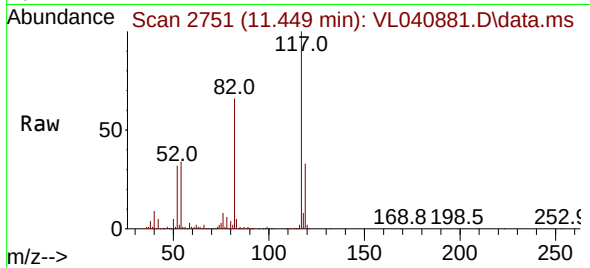




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-5DL

Tgt Ion:117 Resp: 2074719
Ion Ratio Lower Upper
117 100
82 67.7 50.6 75.8
119 32.7 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.054 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. 0.010 min
Lab File: VL040881.D
Acq: 15 Nov 2023 23:21

Tgt Ion: 95 Resp: 1633064
Ion Ratio Lower Upper
95 100
174 60.1 47.5 71.3
175 4.5 3.6 5.4

