

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040875.D
 Acq On : 15 Nov 2023 19:31
 Operator : SY/MD
 Sample : 05277-07 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8-2

Quant Time: Nov 16 05:55:30 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)

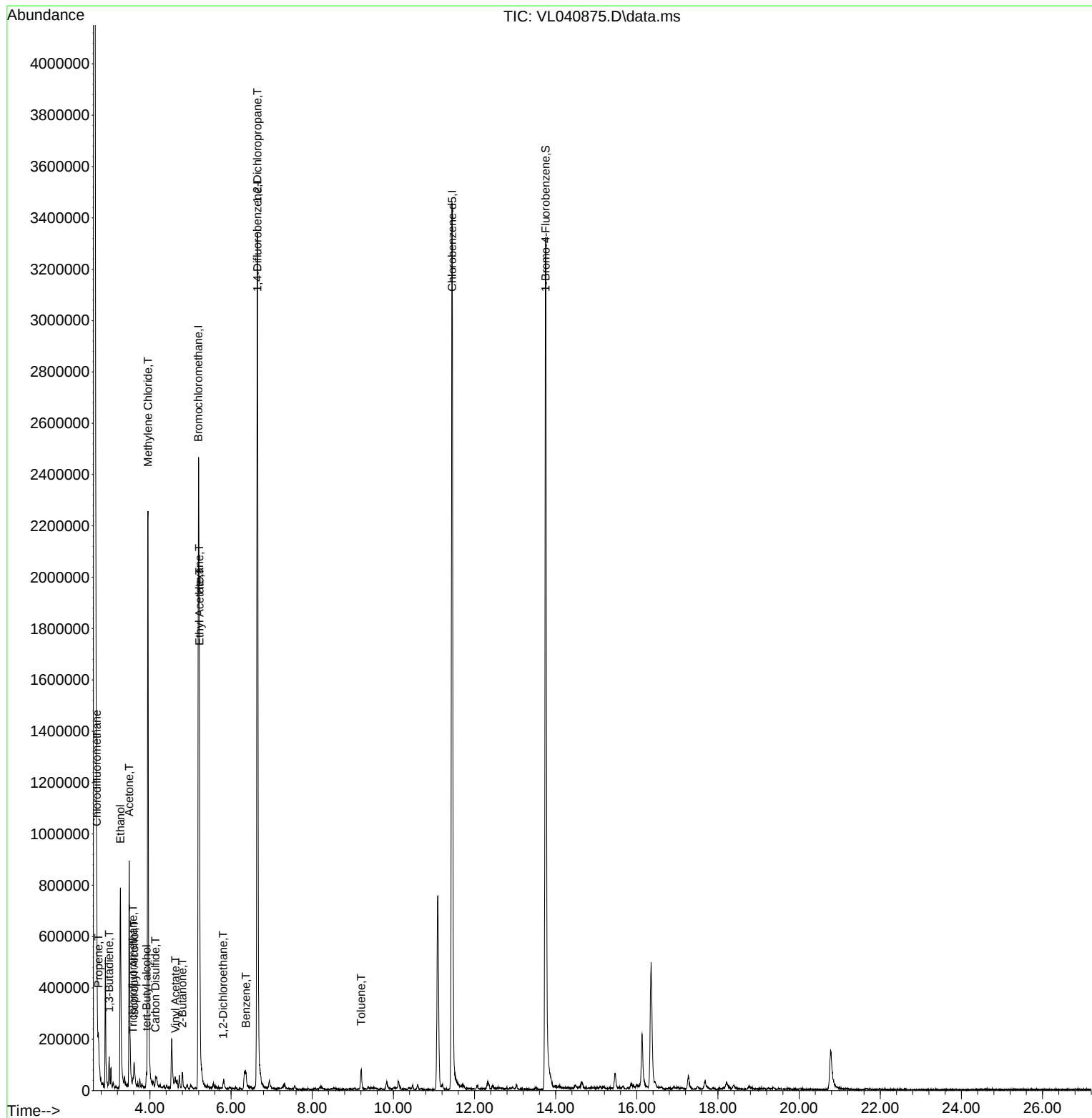
Internal Standards						
1) Bromochloromethane	5.195	49	1027451	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.648	114	2499133	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.449	117	2257243	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1786838	10.111	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.687	51	21564	0.131	ppbv #	80
9) Propene	2.729	41	40502	0.733	ppbv	94
11) Trichlorofluoromethane	3.581	101	14844	0.093	ppbv	97
13) Ethanol	3.272	45	791180	73.701	ppbv #	100
15) Acetone	3.491	43	864268	7.898	ppbv	95
16) 1,3-Butadiene	2.996	39	29537	0.534	ppbv #	30
17) tert-Butyl alcohol	3.919	59	30006	0.321	ppbv #	88
19) Isopropyl Alcohol	3.610	45	95999	1.458	ppbv #	1
20) Methylene Chloride	3.951	84	721026	15.966	ppbv	98
23) Vinyl Acetate	4.626	43	14580	0.103	ppbv #	71
25) Ethyl Acetate	5.221	43	355896	1.571	ppbv #	77
26) Hexane	5.218	57	506430	5.050	ppbv #	40
27) Carbon Disulfide	4.137	76	37856	0.298	ppbv #	70
34) 2-Butanone	4.800	43	73201	0.575	ppbv	98
36) Benzene	6.366	78	29544	0.146	ppbv #	82
37) 1,2-Dichloroethane	5.803	62	6973	0.058	ppbv	100
39) 1,2-Dichloropropane	6.645	63	647125	8.047	ppbv #	25
53) Toluene	9.205	91	38891	0.174	ppbv #	62

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

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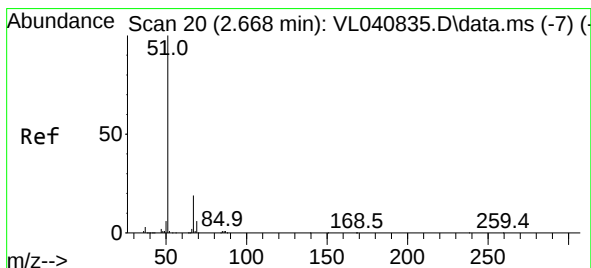
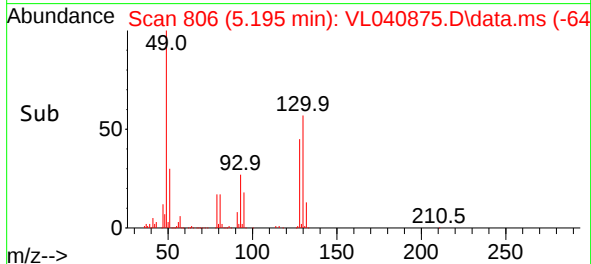
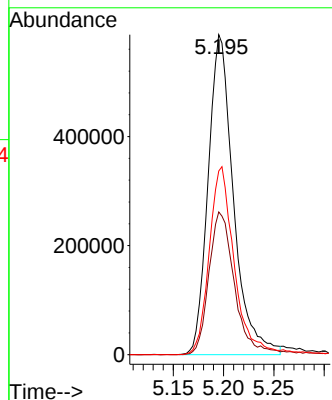
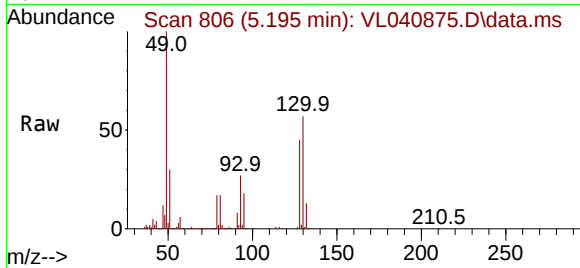




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.023 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

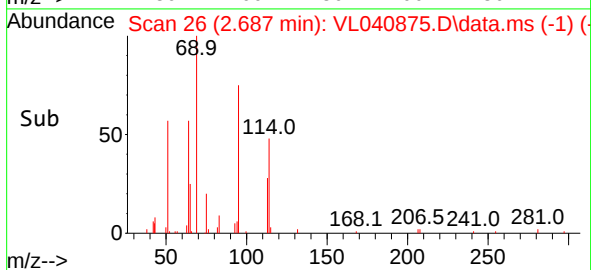
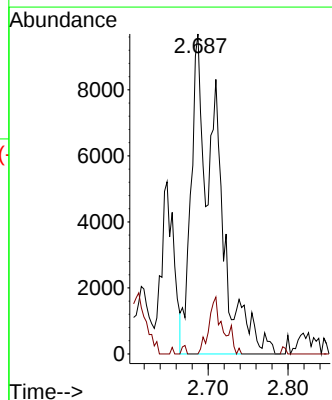
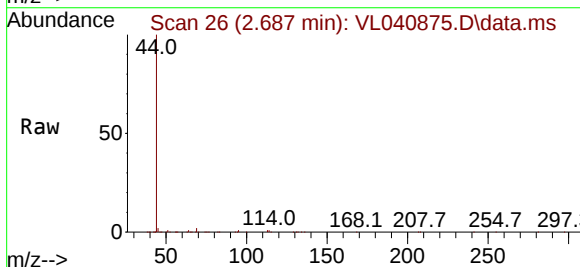
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2

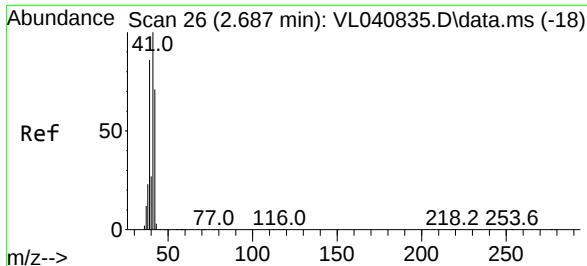
Tgt Ion: 49 Resp: 1027451
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.2
130 59.7 30.9 92.8



#3
Chlorodifluoromethane
Concen: 0.131 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.019 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

Tgt Ion: 51 Resp: 21564
Ion Ratio Lower Upper
51 100
67 9.9 15.0 22.4#





#9

Propene

Concen: 0.733 ppbv

RT: 2.729 min Scan# 30

Delta R.T. 0.042 min

Lab File: VL040875.D

Acq: 15 Nov 2023 19:31

Instrument :

MSVOA_L

ClientSampleId :

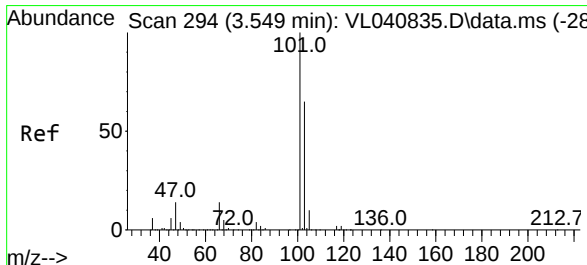
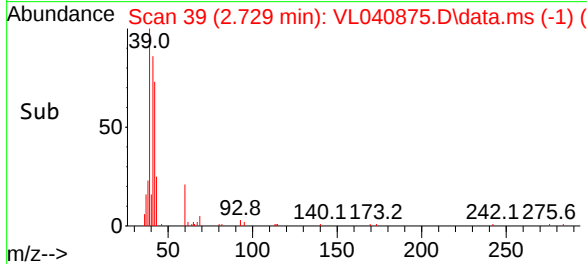
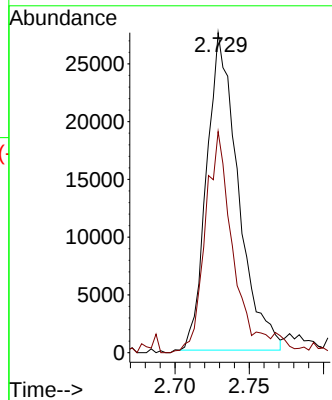
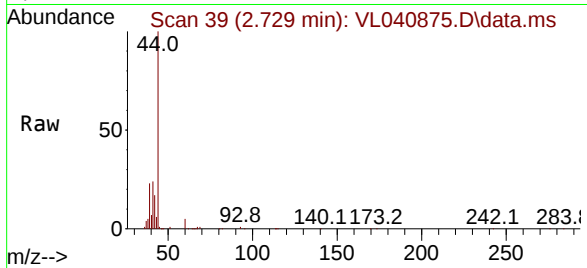
NT-SS-8-2

Tgt Ion: 41 Resp: 40502

Ion Ratio Lower Upper

41 100

42 65.6 56.5 84.7



#11

Trichlorofluoromethane

Concen: 0.093 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.032 min

Lab File: VL040875.D

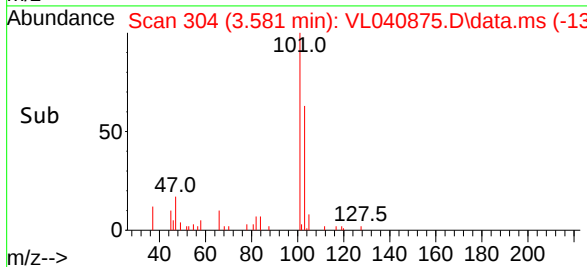
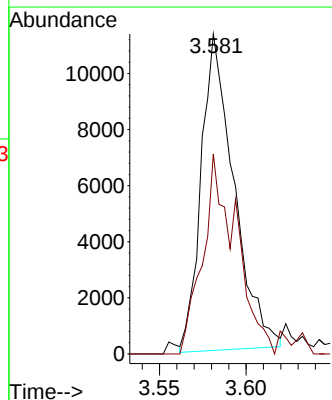
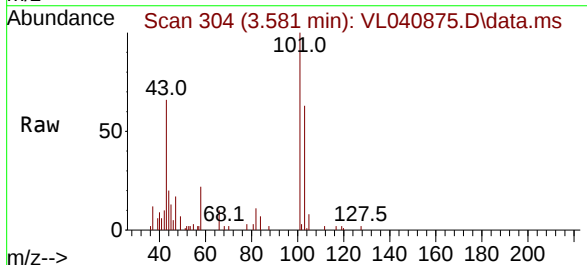
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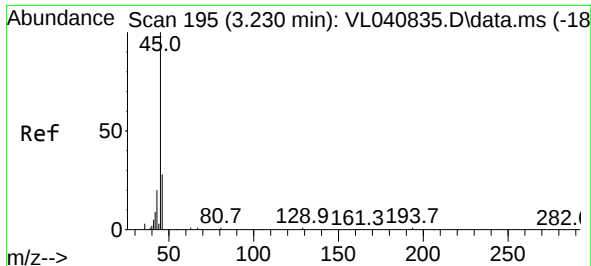
Tgt Ion: 101 Resp: 14844

Ion Ratio Lower Upper

101 100

103 62.1 51.8 77.8

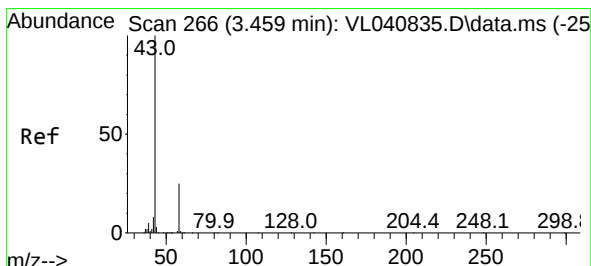
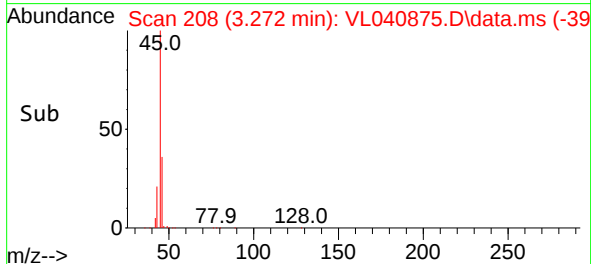
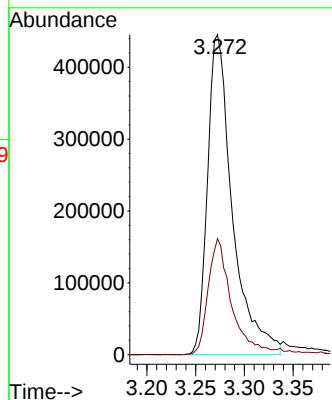
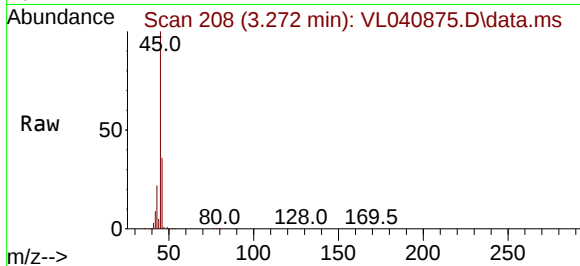




#13
 Ethanol
 Concen: 73.701 ppbv
 RT: 3.272 min Scan# 208
 Delta R.T. 0.042 min
 Lab File: VL040875.D
 Acq: 15 Nov 2023 19:31

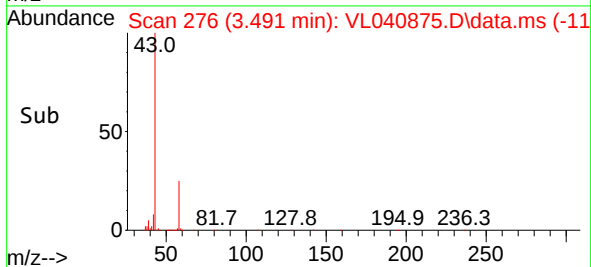
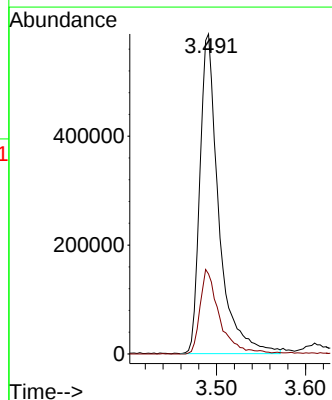
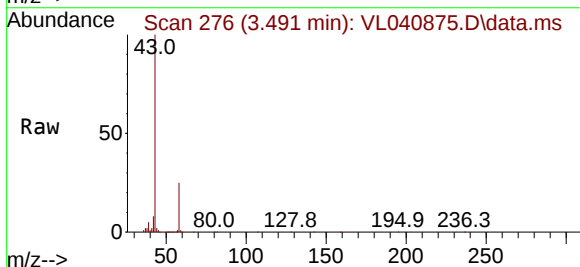
Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-8-2

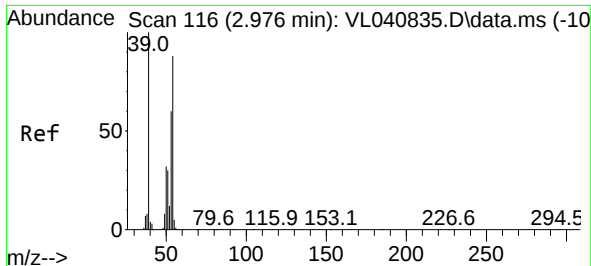
Tgt Ion: 45 Resp: 791180
 Ion Ratio Lower Upper
 45 100
 46 36.0 0.0 0.0#



#15
 Acetone
 Concen: 7.898 ppbv
 RT: 3.491 min Scan# 276
 Delta R.T. 0.032 min
 Lab File: VL040875.D
 Acq: 15 Nov 2023 19:31

Tgt Ion: 43 Resp: 864268
 Ion Ratio Lower Upper
 43 100
 58 28.5 20.9 31.3

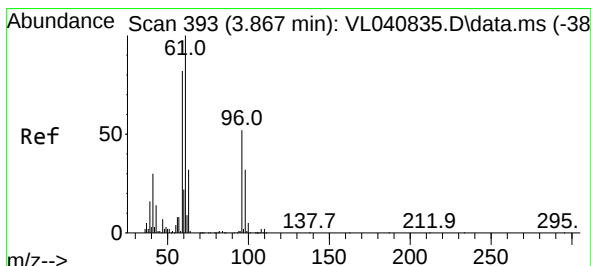
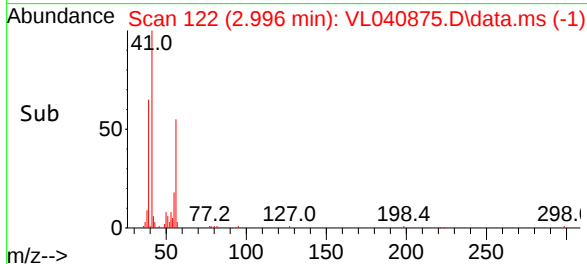
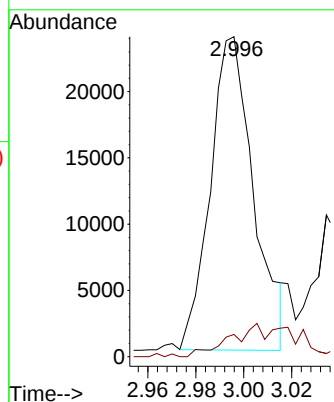
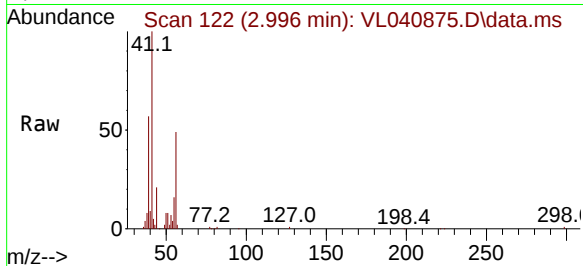




#16
1,3-Butadiene
Concen: 0.534 ppbv
RT: 2.996 min Scan# 116
Delta R.T. 0.019 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

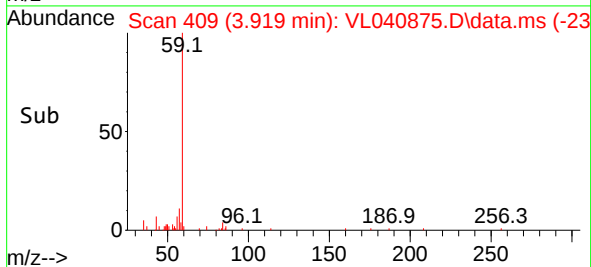
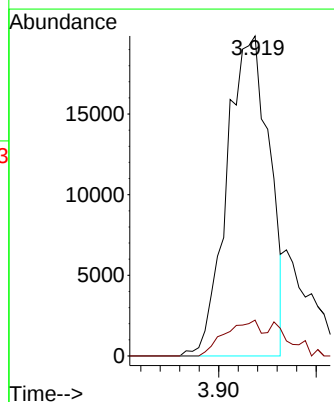
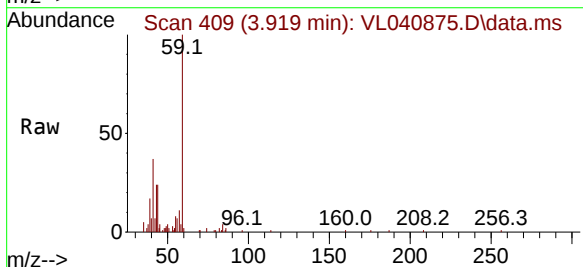
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2

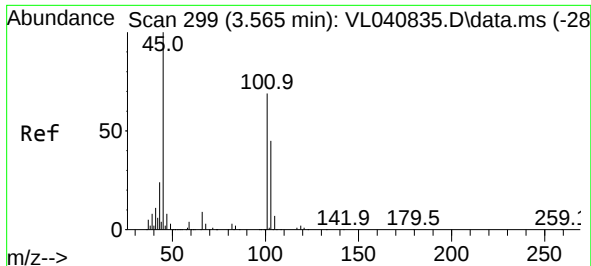
Tgt Ion: 39 Resp: 29537
Ion Ratio Lower Upper
39 100
54 16.8 61.8 92.6#



#17
tert-Butyl alcohol
Concen: 0.321 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.052 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

Tgt Ion: 59 Resp: 30006
Ion Ratio Lower Upper
59 100
57 15.9 9.0 13.4#





#19

Isopropyl Alcohol

Concen: 1.458 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.045 min

Lab File: VL040875.D

Acq: 15 Nov 2023 19:31

Instrument :

MSVOA_1

ClientSampleId :

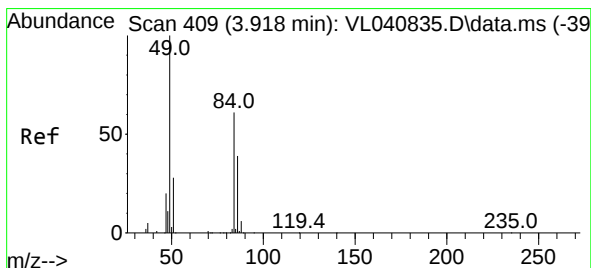
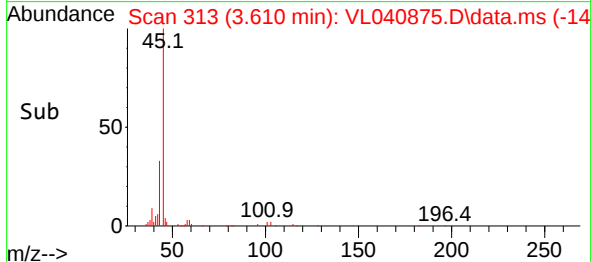
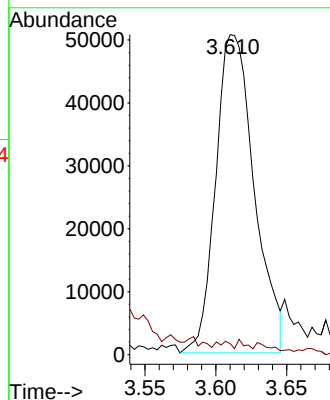
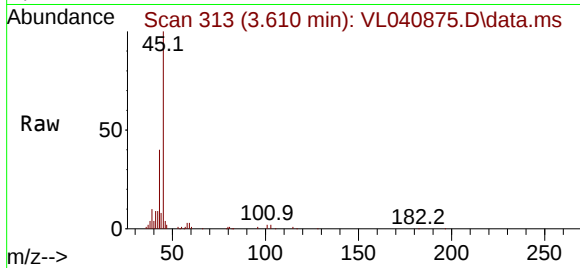
NT-SS-8-2

Tgt Ion: 45 Resp: 95999

Ion Ratio Lower Upper

45 100

58 256.3 1.6 2.4#



#20

Methylene Chloride

Concen: 15.966 ppbv

RT: 3.951 min Scan# 419

Delta R.T. 0.032 min

Lab File: VL040875.D

Acq: 15 Nov 2023 19:31

Tgt Ion: 84 Resp: 721026

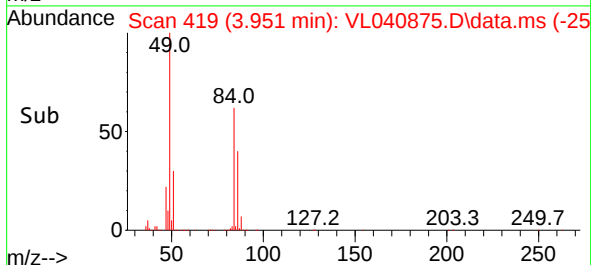
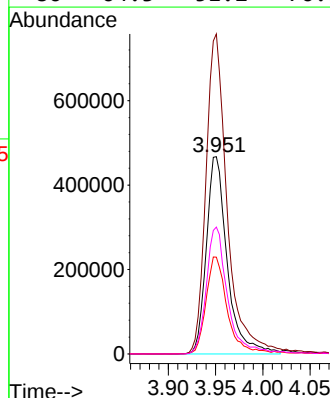
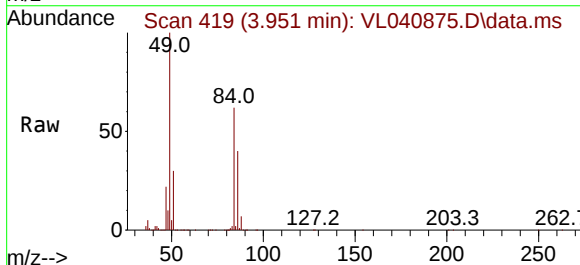
Ion Ratio Lower Upper

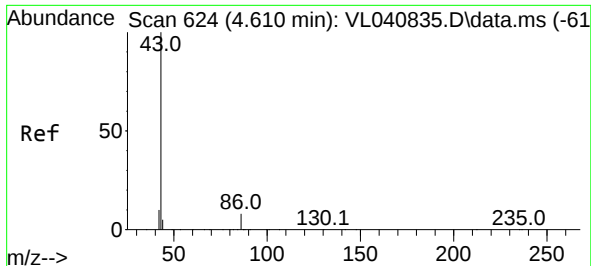
84 100

49 162.1 131.0 196.4

51 48.9 36.9 55.3

86 64.3 51.2 76.8

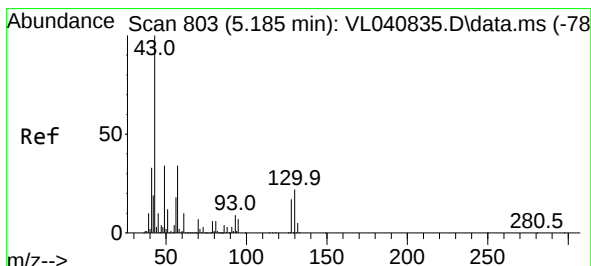
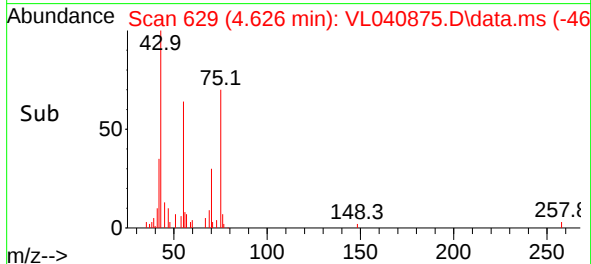
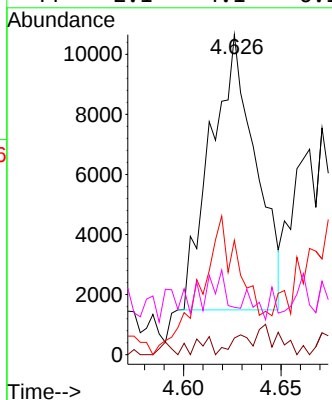
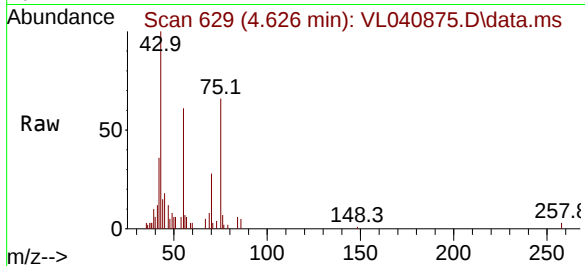




#23
 Vinyl Acetate
 Concen: 0.103 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL040875.D
 Acq: 15 Nov 2023 19:31

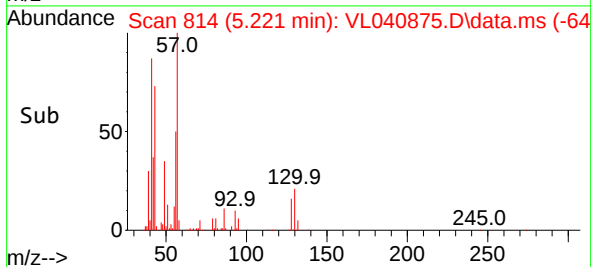
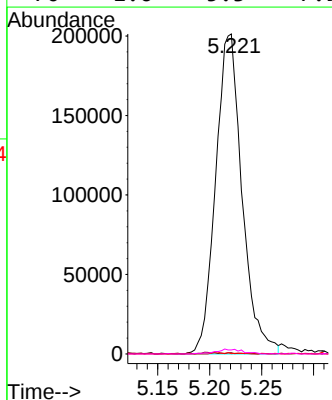
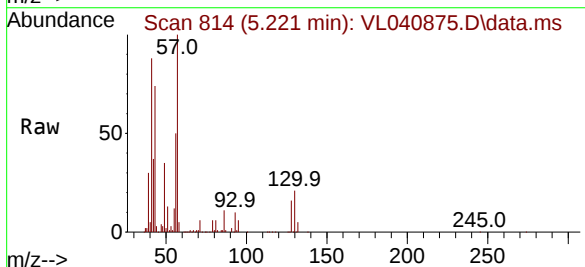
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 NT-SS-8-2

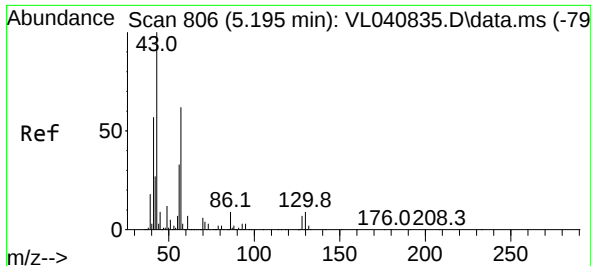
Tgt Ion: 43	Resp: 14580
Ion Ratio	Lower Upper
43 100	
86 6.1	5.5 8.3
42 31.8	8.2 12.2#
44 2.1	4.1 6.1#



#25
 Ethyl Acetate
 Concen: 1.571 ppbv
 RT: 5.221 min Scan# 814
 Delta R.T. 0.036 min
 Lab File: VL040875.D
 Acq: 15 Nov 2023 19:31

Tgt	Ion: 43	Resp:	355896
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.1	12.1#
61	0.4	7.8	11.6#
70	1.6	5.3	7.9#

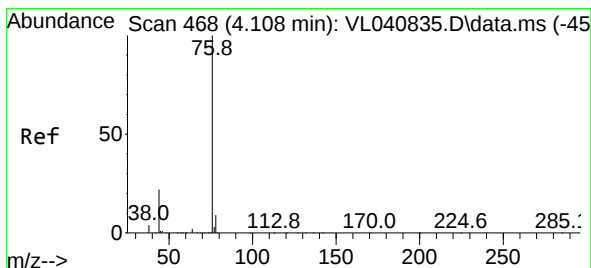
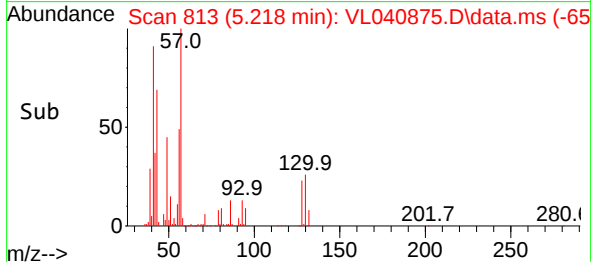
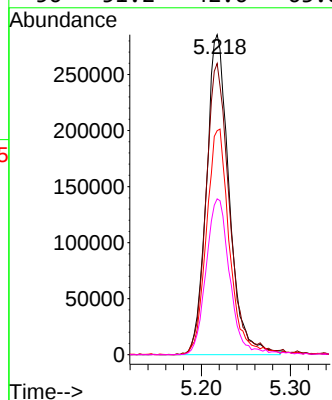
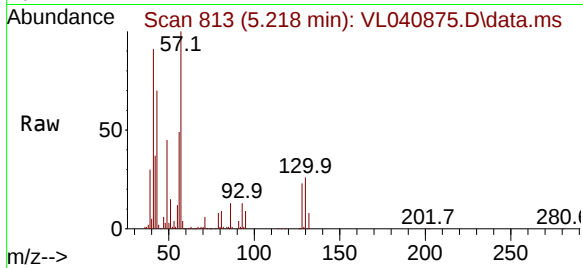




#26
Hexane
Concen: 5.050 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.023 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

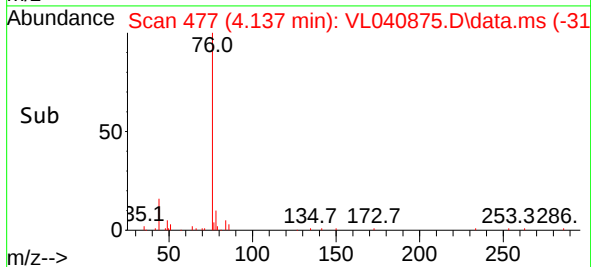
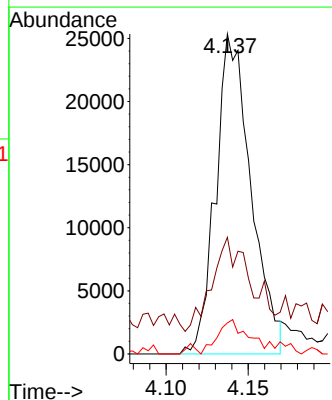
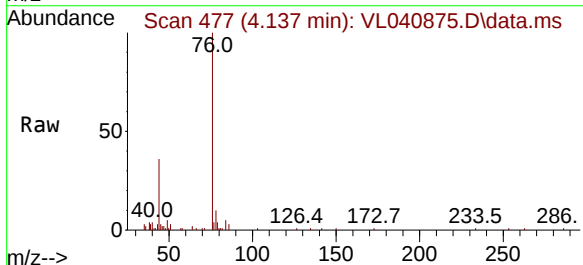
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2

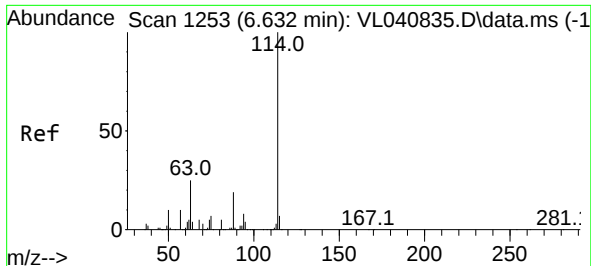
Tgt Ion: 57 Resp: 506430
Ion Ratio Lower Upper
57 100
41 95.2 75.4 113.0
43 72.2 185.9 278.9#
56 51.2 42.6 63.8



#27
Carbon Disulfide
Concen: 0.298 ppbv
RT: 4.137 min Scan# 477
Delta R.T. 0.029 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

Tgt Ion: 76 Resp: 37856
Ion Ratio Lower Upper
76 100
44 39.6 16.7 25.1#
78 11.9 7.6 11.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. 0.016 min

Lab File: VL040875.D

Acq: 15 Nov 2023 19:31

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-8-2

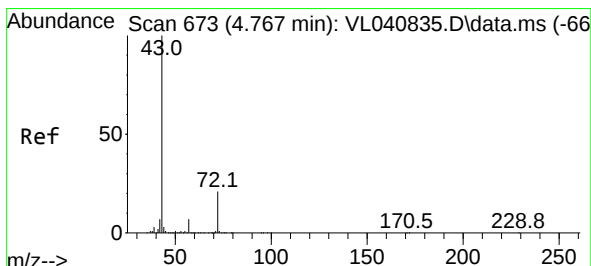
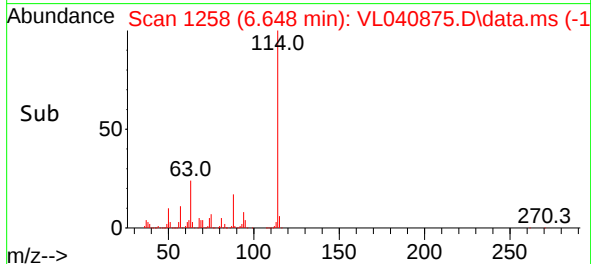
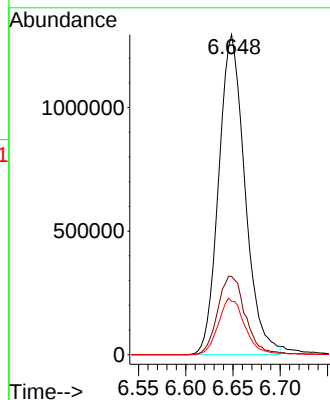
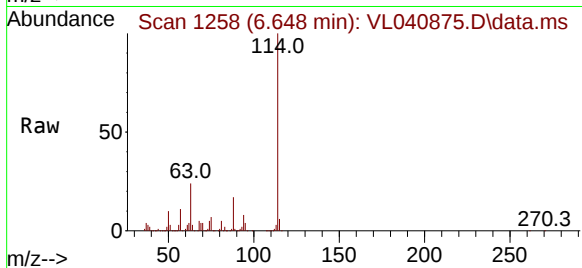
Tgt Ion:114 Resp: 2499133

Ion Ratio Lower Upper

114 100

63 26.2 20.9 31.3

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.575 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.032 min

Lab File: VL040875.D

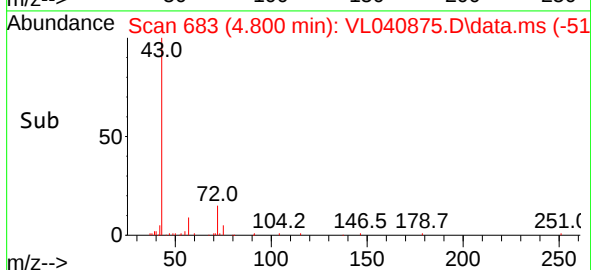
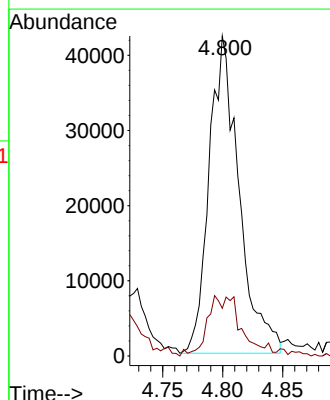
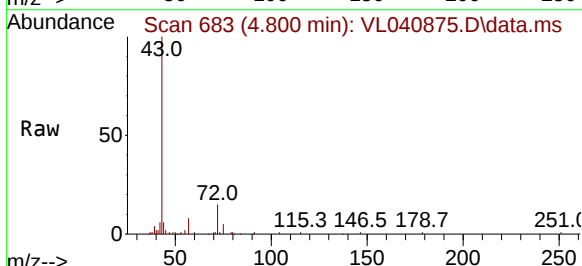
Acq: 15 Nov 2023 19:31

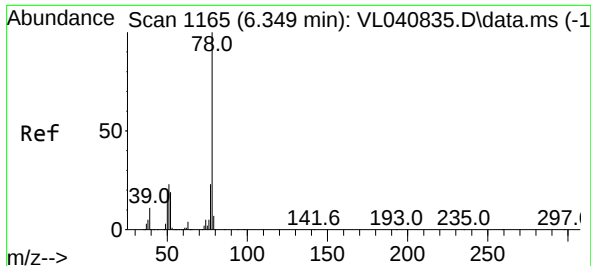
Tgt Ion: 43 Resp: 73201

Ion Ratio Lower Upper

43 100

72 22.5 17.2 25.8

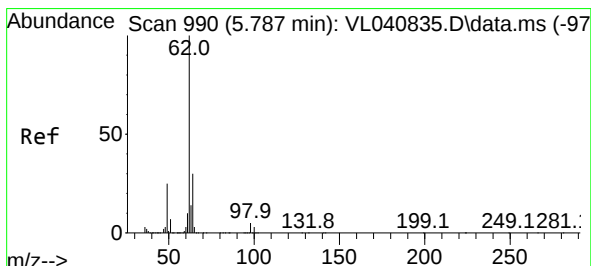
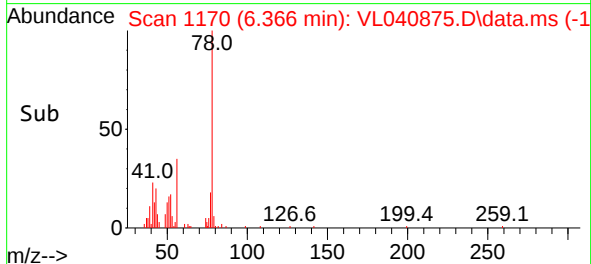
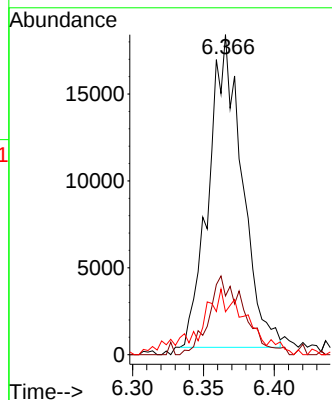
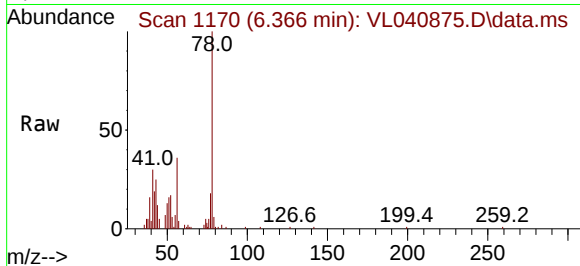




#36
Benzene
Concen: 0.146 ppbv
RT: 6.366 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

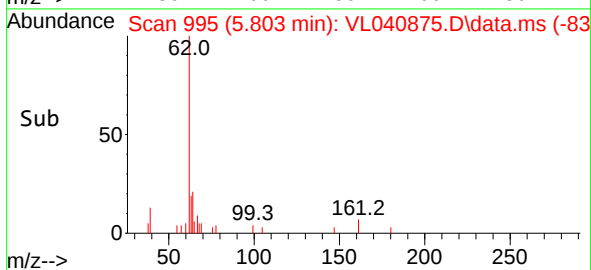
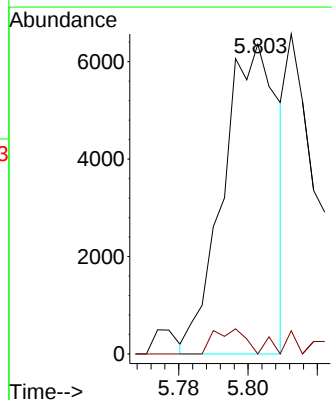
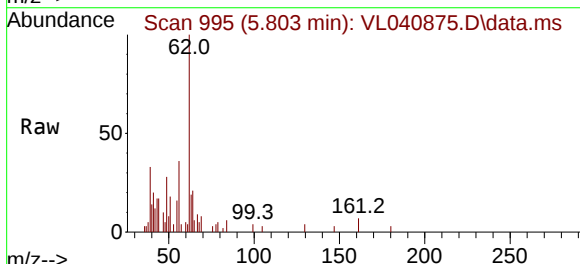
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2

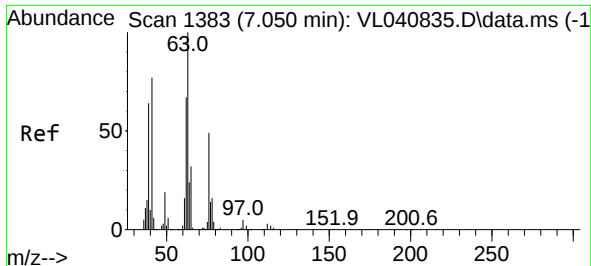
Tgt Ion: 78 Resp: 29544
Ion Ratio Lower Upper
78 100
77 16.7 18.4 27.6#
50 9.6 16.2 24.2#



#37
1,2-Dichloroethane
Concen: 0.058 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.016 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

Tgt Ion: 62 Resp: 6973
Ion Ratio Lower Upper
62 100
98 5.6 4.6 6.8





#39

1,2-Dichloropropane

Concen: 8.047 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.405 min

Lab File: VL040875.D

Acq: 15 Nov 2023 19:31

Instrument :

MSVOA_L

ClientSampleId :

NT-SS-8-2

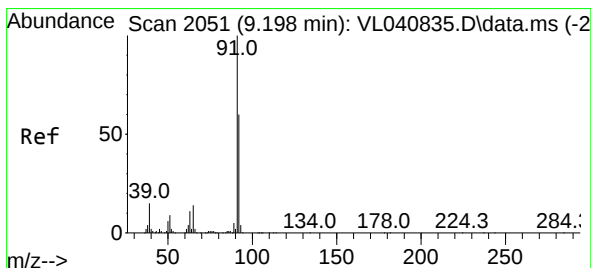
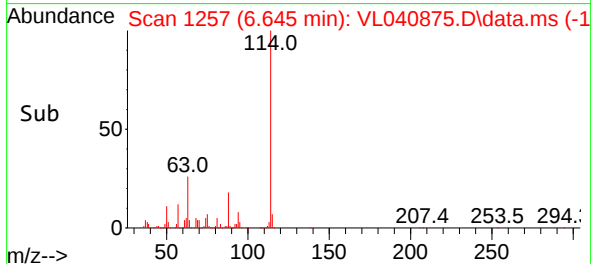
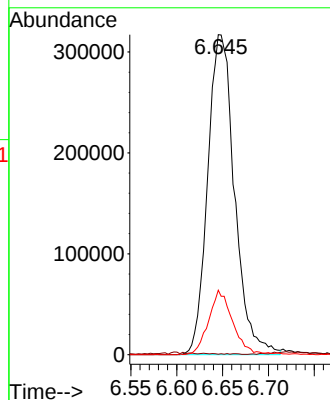
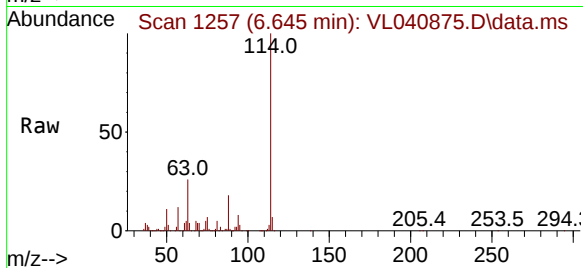
Tgt Ion: 63 Resp: 647125

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 19.9 53.9 80.9#



#53

Toluene

Concen: 0.174 ppbv

RT: 9.205 min Scan# 2053

Delta R.T. 0.007 min

Lab File: VL040875.D

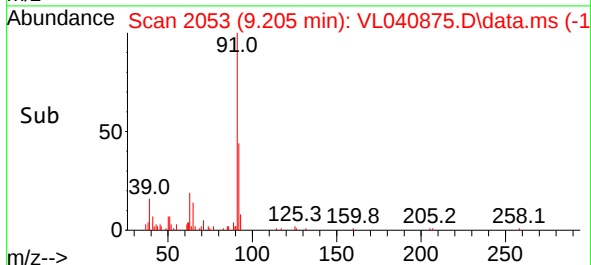
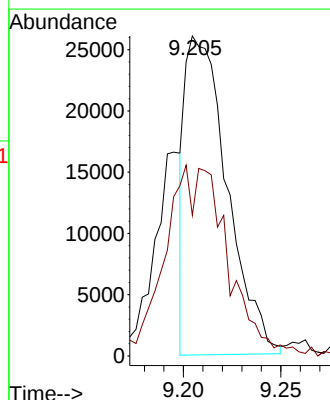
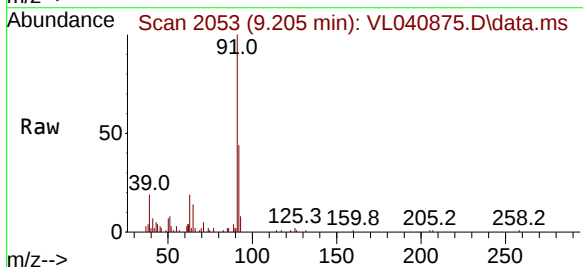
Acq: 15 Nov 2023 19:31

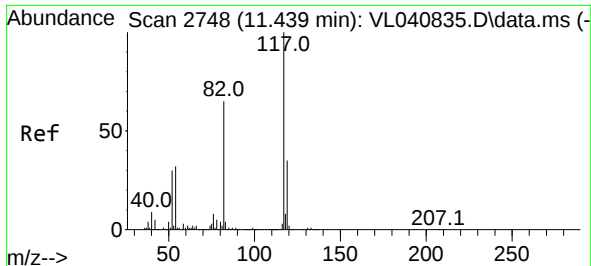
Tgt Ion: 91 Resp: 38891

Ion Ratio Lower Upper

91 100

92 91.1 49.4 74.2#

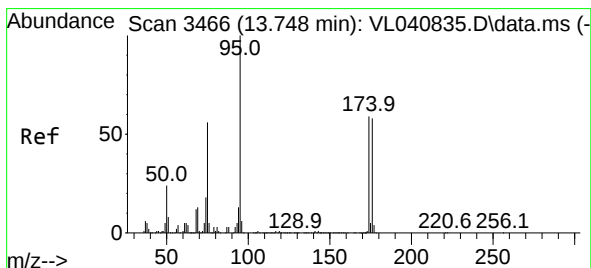
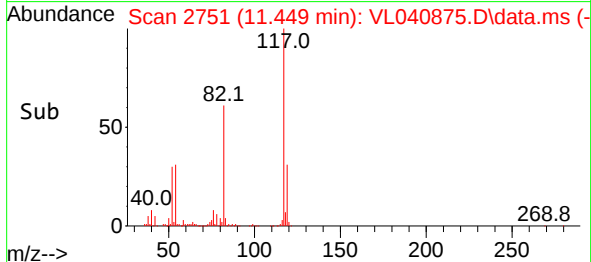
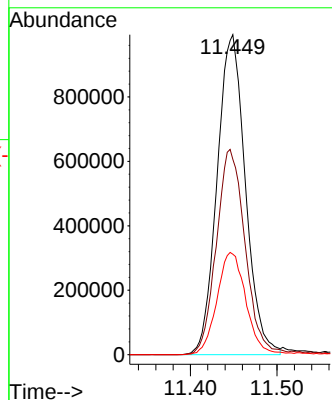
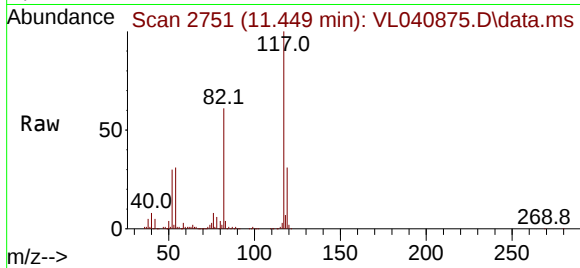




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-8-2

Tgt Ion:117 Resp: 2257243
Ion Ratio Lower Upper
117 100
82 66.3 50.6 75.8
119 33.4 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.111 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. 0.007 min
Lab File: VL040875.D
Acq: 15 Nov 2023 19:31

Tgt Ion: 95 Resp: 1786838
Ion Ratio Lower Upper
95 100
174 59.7 47.5 71.3
175 4.3 3.6 5.4

