

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040926.D
 Acq On : 21 Dec 2023 12:17
 Operator : SY/MD
 Sample : 05813-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10311

Quant Time: Dec 22 00:05:37 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 07:32:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1166222	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2920835	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2421968	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1730804	9.702	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.748	85	118627	0.534	ppbv	98
3) Chlorodifluoromethane	2.674	51	192731	1.098	ppbv #	69
5) Vinyl Chloride	2.938	62	1945	0.031	ppbv #	44
8) Dichlorotetrafluoroethane	2.873	85	8338	0.052	ppbv #	83
9) Propene	2.726	41	318015	5.492	ppbv #	77
10) Heptane	7.555	43	167559	1.164	ppbv	99
11) Trichlorofluoromethane	3.571	101	40822	0.235	ppbv	93
12) 1,1,2-Trichlorotrifluoro...	4.070	101	11403	0.085	ppbv	98
13) Ethanol	3.250	45	1370274	93.800	ppbv	98
14) Bromoethene	3.382	108	1573	0.032	ppbv #	87
15) Acetone	3.475	43	1453528	10.392	ppbv	98
16) 1,3-Butadiene	2.980	39	214929	3.569	ppbv #	17
17) tert-Butyl alcohol	3.896	59	10788	0.104	ppbv #	72
19) Isopropyl Alcohol	3.584	45	6815306	93.381	ppbv #	97
20) Methylene Chloride	3.938	84	186735	3.745	ppbv	97
21) Allyl Chloride	3.963	41	18115	0.219	ppbv #	52
22) trans-1,2-Dichloroethene	4.443	96	2502	0.039	ppbv #	86
23) Vinyl Acetate	4.607	43	30566	0.198	ppbv #	1
25) Ethyl Acetate	5.198	43	335148	1.383	ppbv #	92
26) Hexane	5.205	57	277023	2.579	ppbv #	59
27) Carbon Disulfide	4.127	76	76863	0.529	ppbv #	91
28) Methyl tert-Butyl Ether	4.584	73	31176	0.313	ppbv #	91
29) Chloroform	5.269	83	18126	0.100	ppbv	96
30) Cyclohexane	6.587	84	59246	0.662	ppbv	91
34) 2-Butanone	4.787	43	99904	0.647	ppbv	95
35) Carbon Tetrachloride	6.475	117	10639	0.058	ppbv #	77
36) Benzene	6.352	78	172621	0.756	ppbv	94
39) 1,2-Dichloropropane	6.635	63	705359	7.861	ppbv #	24
41) Tetrahydrofuran	5.549	42	3236	0.034	ppbv #	1
44) 2,2,4-Trimethylpentane	7.311	57	163858	0.422	ppbv #	24
53) Toluene	9.195	91	766069	3.026	ppbv	99
58) Ethyl Benzene	12.050	91	80406	0.258	ppbv	97
59) m/p-Xylene	12.310	91	531458	2.008	ppbv #	100
60) o-Xylene	13.024	91	170506	0.684	ppbv	99
61) Styrene	12.870	104	4037	0.034	ppbv #	1
62) Isopropylbenzene	13.995	105	15545	0.042	ppbv #	55
64) n-propylbenzene	15.095	120	5009	0.054	ppbv	65
65) tert-Butylbenzene	16.069	119	29055	0.092	ppbv #	64
69) p-Isopropyltoluene	16.966	119	13018	0.037	ppbv #	18
70) n-Butylbenzene	17.854	91	18205	0.049	ppbv #	33
72) 4-Ethyltoluene	15.156	105	36212	0.132	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.320	105	28690	0.121	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.076	105	82929	0.316	ppbv #	67

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Quant Time: Dec 22 00:05:37 2023
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

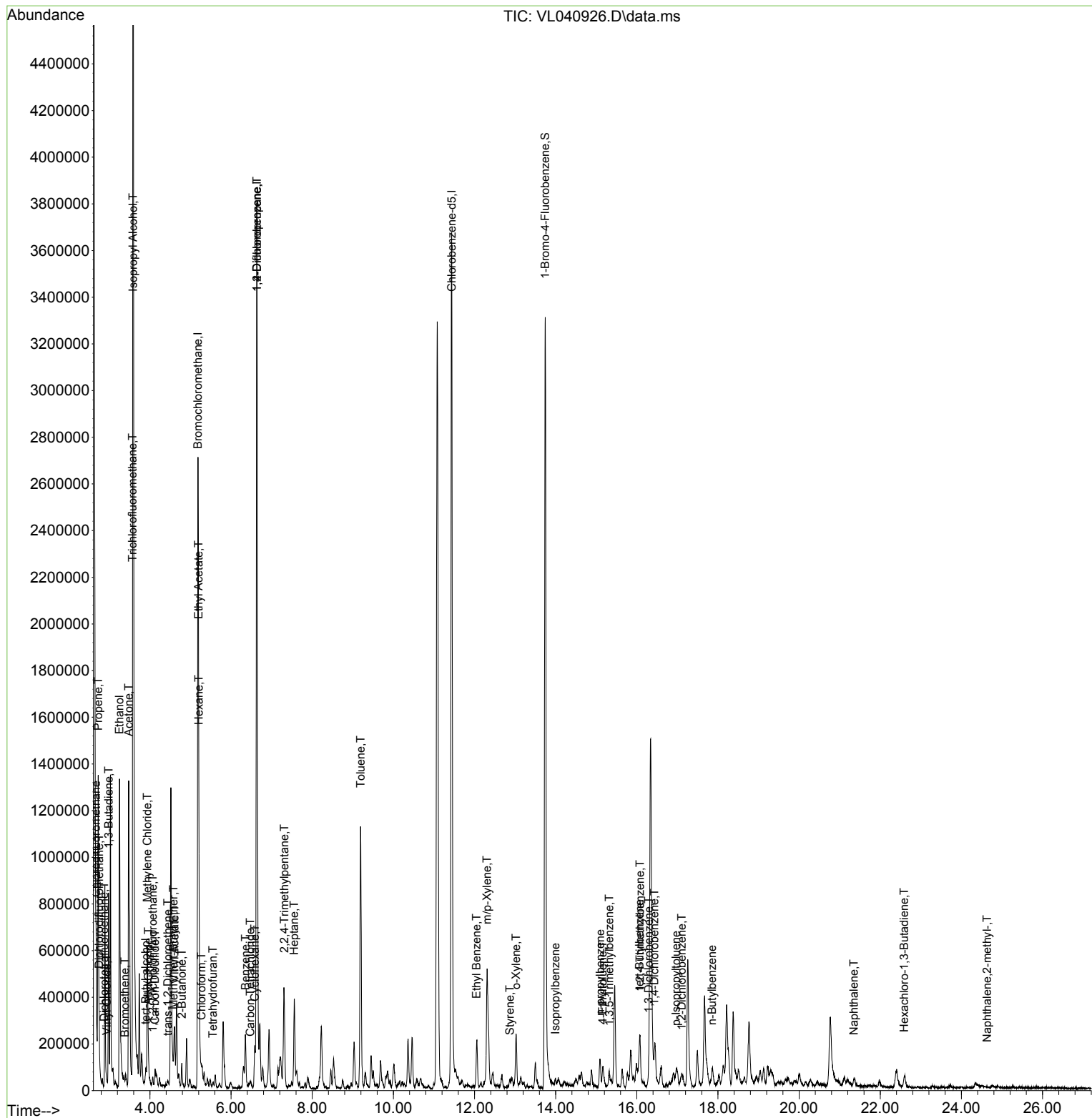
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	16.291	146	4810	0.032	ppbv #	22
76) 1,4-Dichlorobenzene	16.432	146	4982	0.034	ppbv #	22
77) 1,2-Dichlorobenzene	17.108	146	7919	0.055	ppbv #	36
78) Hexachloro-1,3-Butadiene	22.590	225	2865	0.032	ppbv #	1
79) Naphthalene	21.352	128	8631	0.068	ppbv #	33
80) Naphthalene,2-methyl-	24.635	142	1733	0.075	ppbv	98

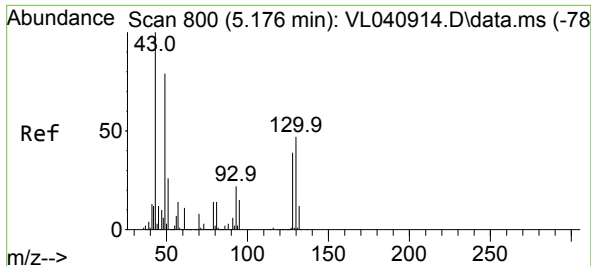
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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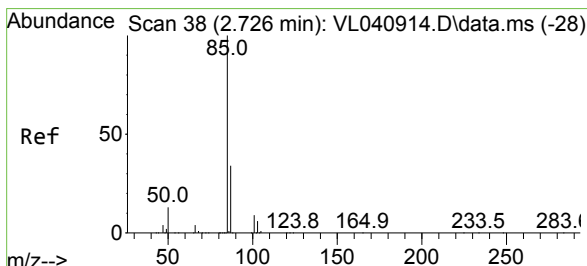
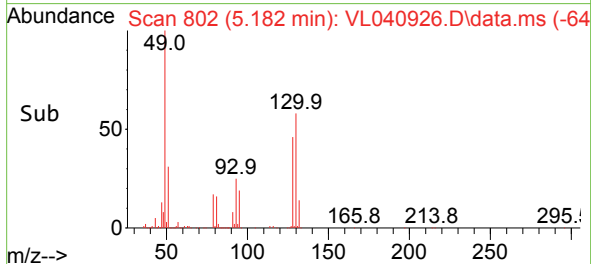
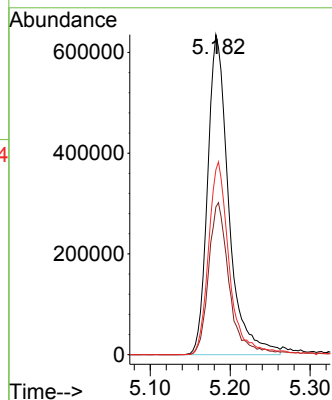
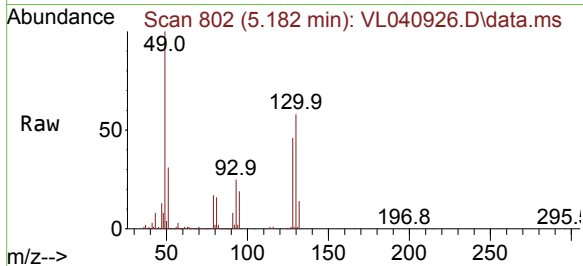




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VL040926.D
 Acq: 21 Dec 2023 12:17

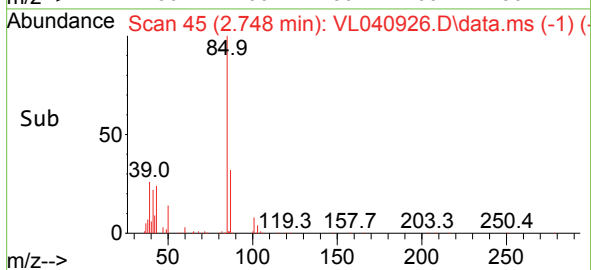
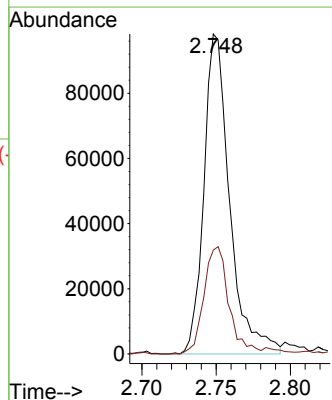
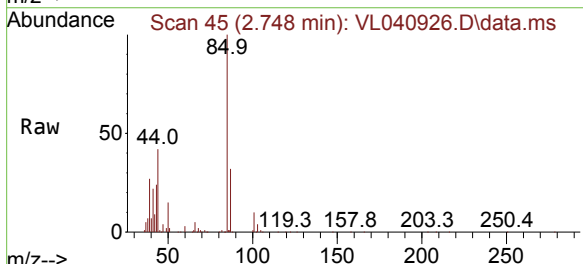
Instrument :
 MSVOA_L
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 10311

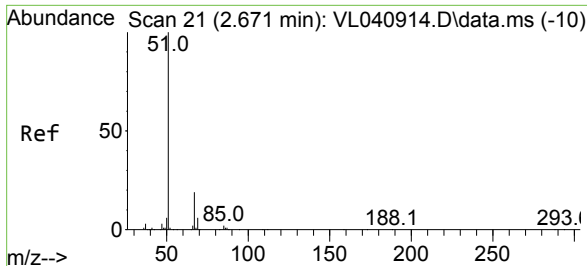
Tgt Ion: 49 Resp: 1166222
 Ion Ratio Lower Upper
 49 100
 128 47.9 23.8 71.2
 130 60.0 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.534 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.023 min
 Lab File: VL040926.D
 Acq: 21 Dec 2023 12:17

Tgt Ion: 85 Resp: 118627
 Ion Ratio Lower Upper
 85 100
 87 32.5 27.0 40.6

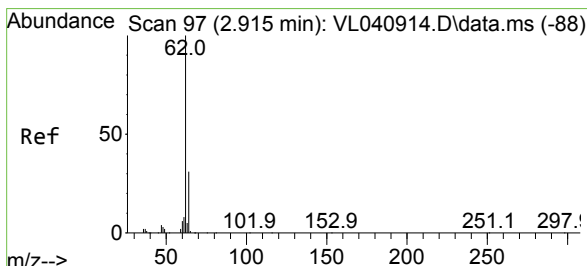
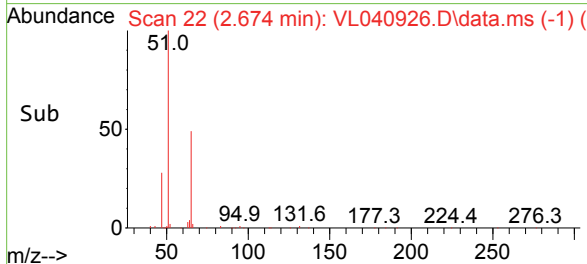
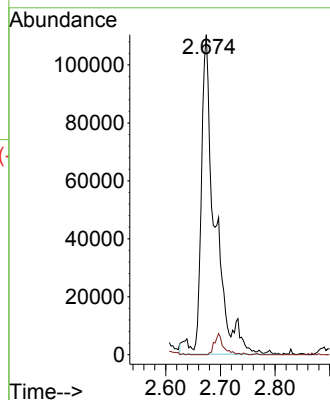
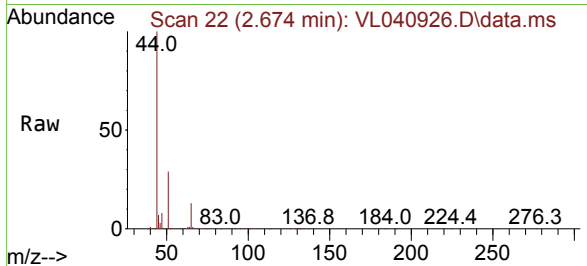




#3
Chlorodifluoromethane
Concen: 1.098 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

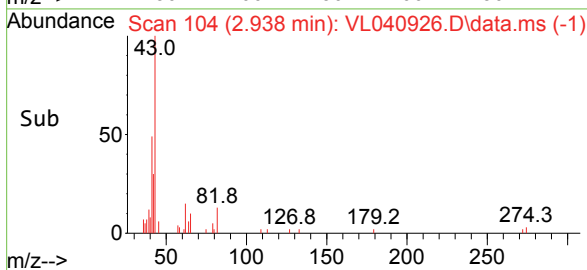
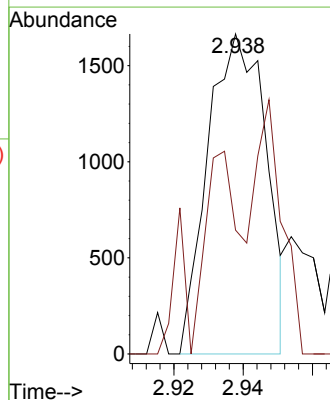
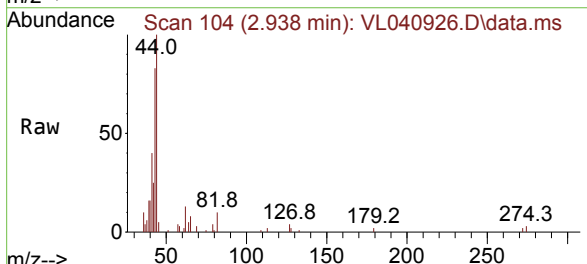
Instrument :
MSVOA_L
ClientSampleId :
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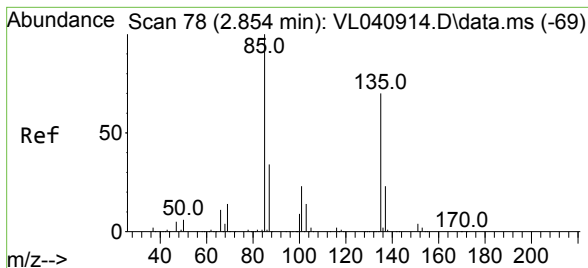
Tgt Ion: 51 Resp: 192731
Ion Ratio Lower Upper
51 100
67 4.5 14.7 22.1#



#5
Vinyl Chloride
Concen: 0.031 ppbv
RT: 2.938 min Scan# 104
Delta R.T. 0.023 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 62 Resp: 1945
Ion Ratio Lower Upper
62 100
64 0.0 24.9 37.3#

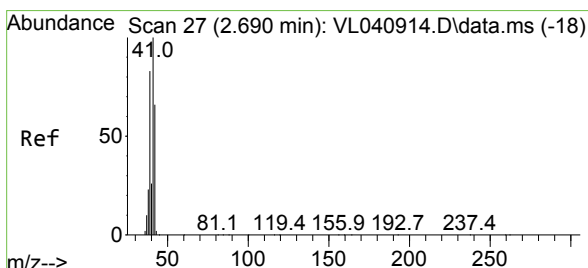
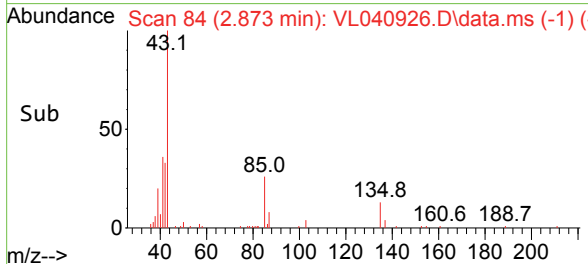
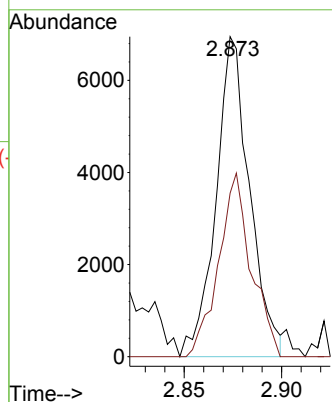
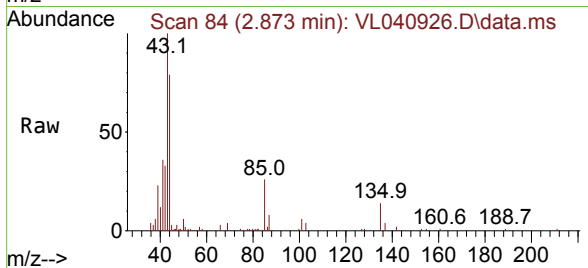




#8
 Dichlorotetrafluoroethane
 Concen: 0.052 ppbv
 RT: 2.873 min Scan# 84
 Delta R.T. 0.019 min
 Lab File: VL040926.D
 Acq: 21 Dec 2023 12:17

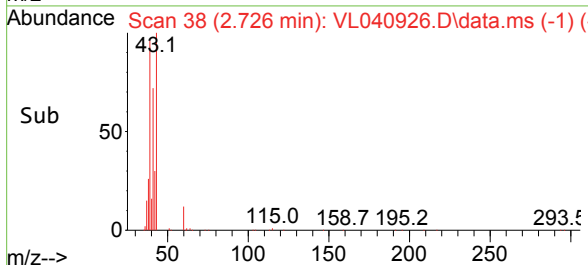
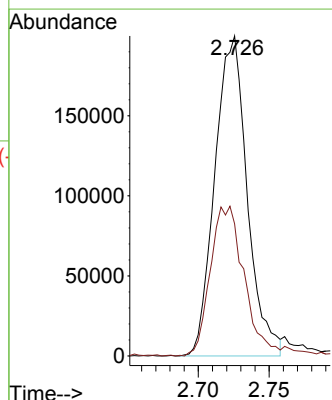
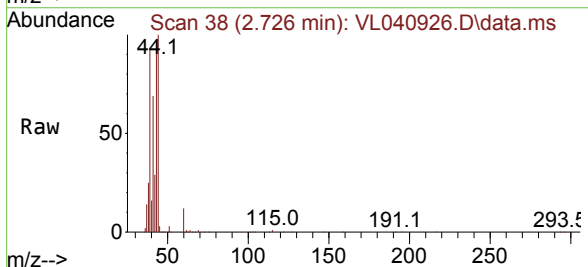
Instrument :
 MSVOA_L
 ClientSampleId :
 10311

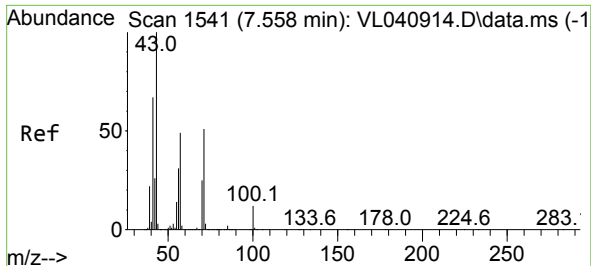
Tgt Ion: 85 Resp: 8338
 Ion Ratio Lower Upper
 85 100
 135 55.5 55.8 83.8#



#9
 Propene
 Concen: 5.492 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.035 min
 Lab File: VL040926.D
 Acq: 21 Dec 2023 12:17

Tgt Ion: 41 Resp: 318015
 Ion Ratio Lower Upper
 41 100
 42 51.1 55.8 83.6#

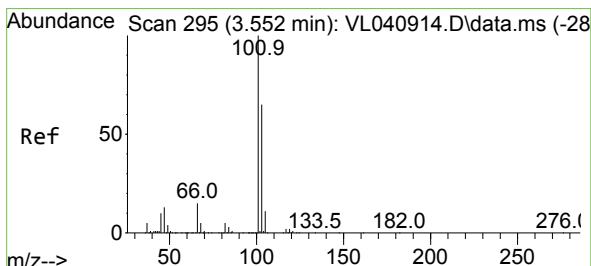
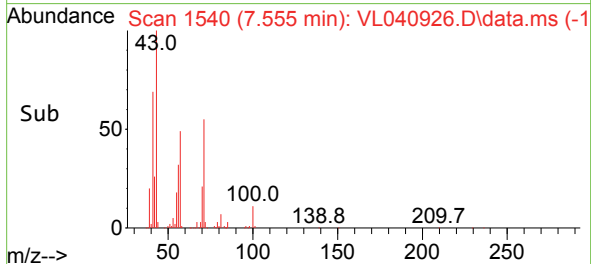
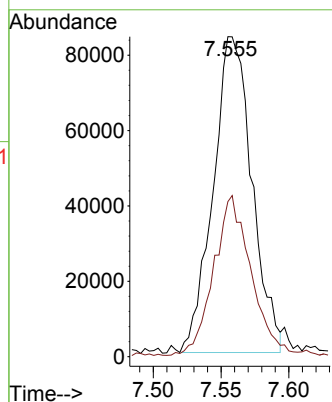
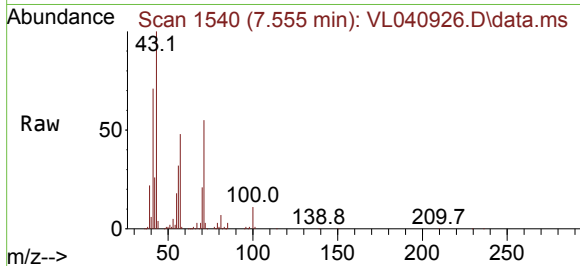




#10
 Heptane
 Concen: 1.164 ppbv
 RT: 7.555 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL040926.D
 Acq: 21 Dec 2023 12:17

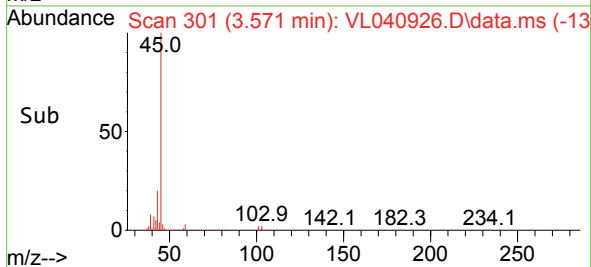
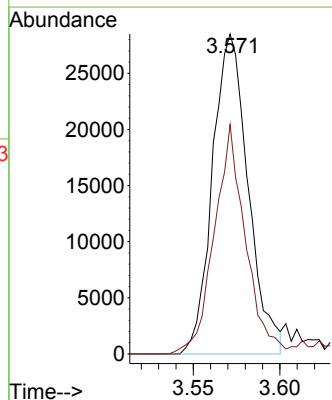
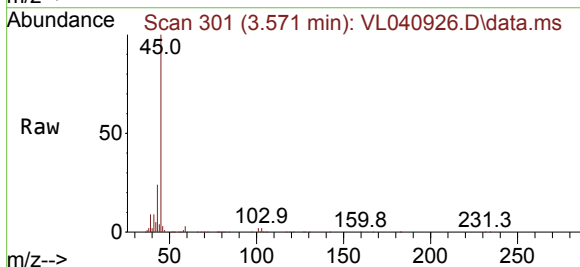
Instrument :
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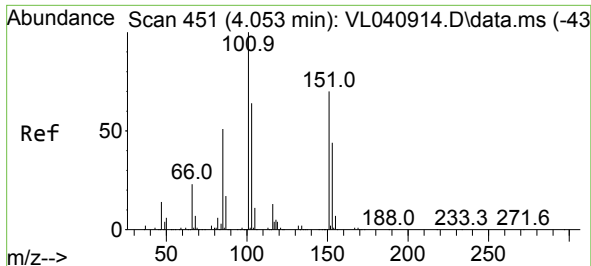
Tgt Ion: 43 Resp: 167559
 Ion Ratio Lower Upper
 43 100
 57 49.8 39.3 58.9



#11
 Trichlorofluoromethane
 Concen: 0.235 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. 0.019 min
 Lab File: VL040926.D
 Acq: 21 Dec 2023 12:17

Tgt Ion: 101 Resp: 40822
 Ion Ratio Lower Upper
 101 100
 103 70.1 51.9 77.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.085 ppbv

RT: 4.070 min Scan# 4

Delta R.T. 0.016 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

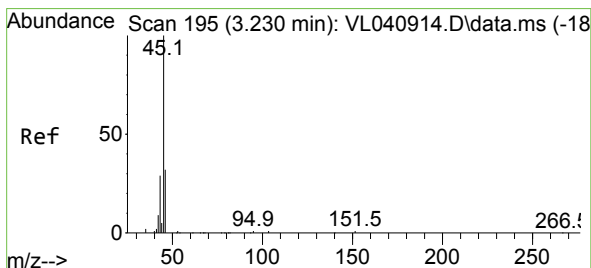
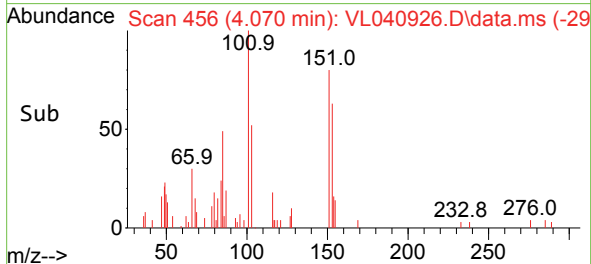
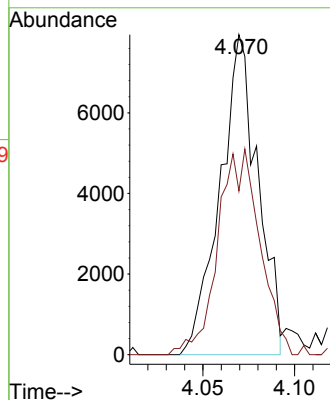
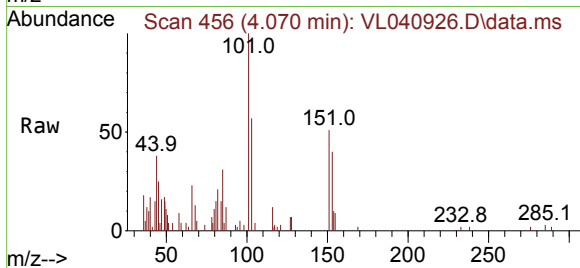
10311

Tgt Ion:101 Resp: 11403

Ion Ratio Lower Upper

101 100

151 71.3 55.8 83.8



#13

Ethanol

Concen: 93.800 ppbv

RT: 3.250 min Scan# 201

Delta R.T. 0.019 min

Lab File: VL040926.D

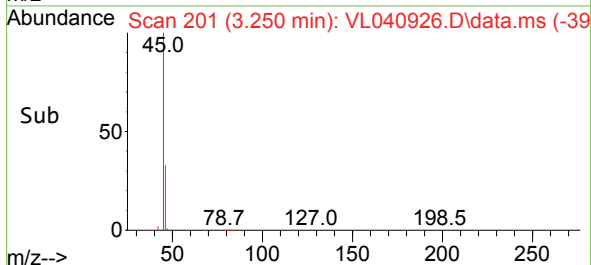
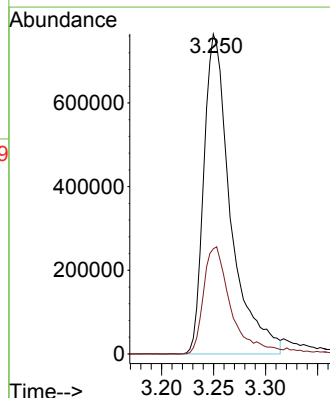
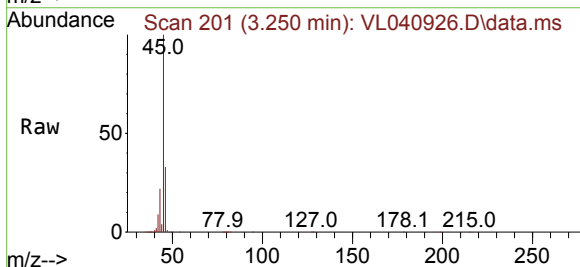
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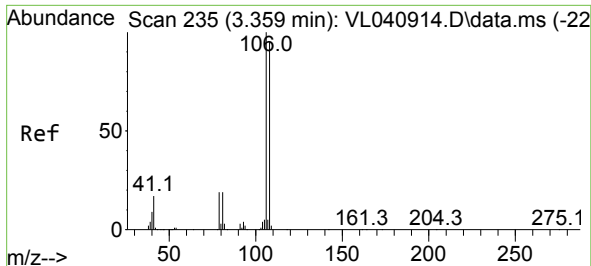
Tgt Ion: 45 Resp: 1370274

Ion Ratio Lower Upper

45 100

46 36.2 15.0 60.0





#14

Bromoethene

Concen: 0.032 ppbv

RT: 3.382 min Scan# 242

Delta R.T. 0.023 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

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ClientSampleId :

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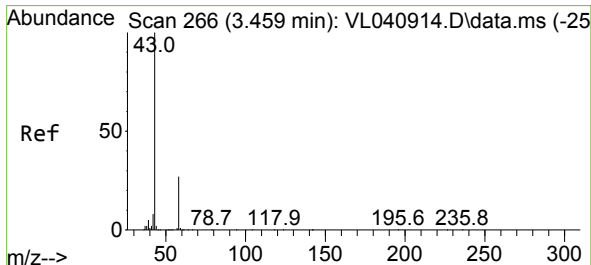
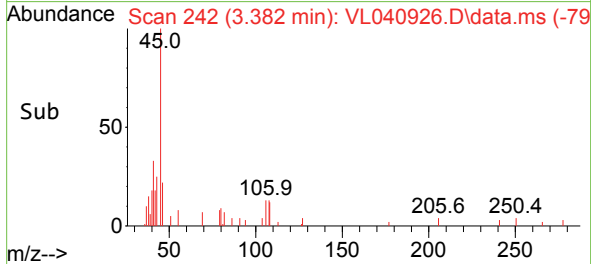
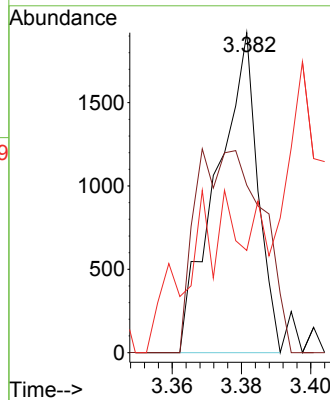
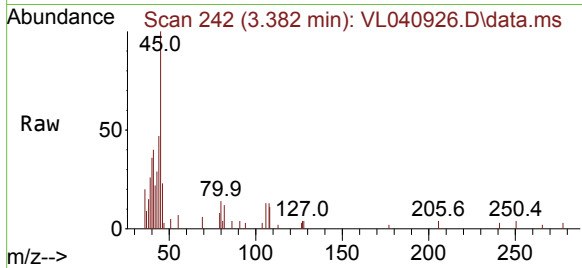
Tgt Ion:108 Resp: 1573

Ion Ratio Lower Upper

108 100

106 103.6 87.5 131.3

79 46.4 16.6 24.8#



#15

Acetone

Concen: 10.392 ppbv

RT: 3.475 min Scan# 271

Delta R.T. 0.016 min

Lab File: VL040926.D

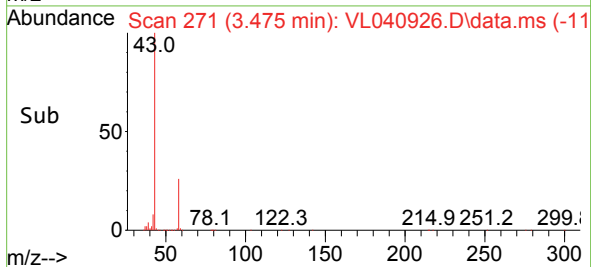
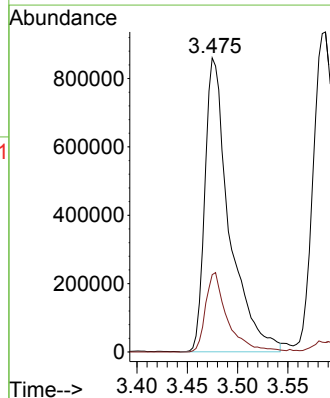
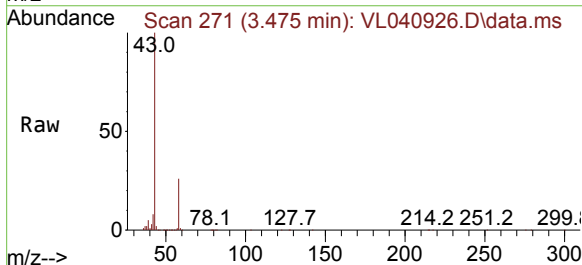
Acq: 21 Dec 2023 12:17

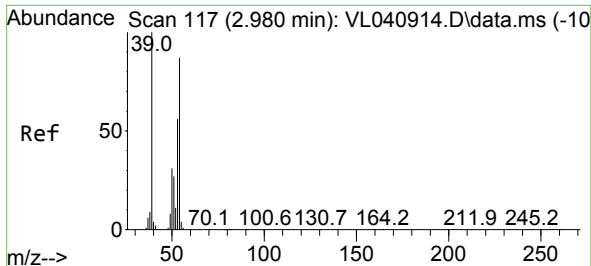
Tgt Ion: 43 Resp: 1453528

Ion Ratio Lower Upper

43 100

58 24.5 20.6 30.8

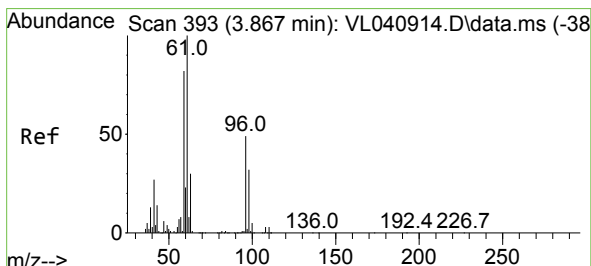
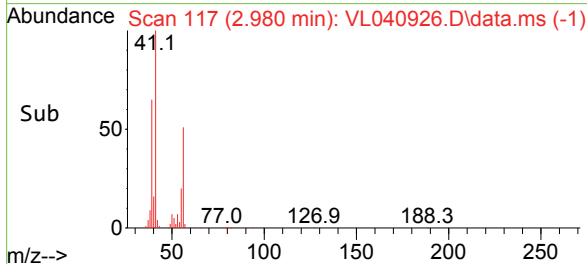
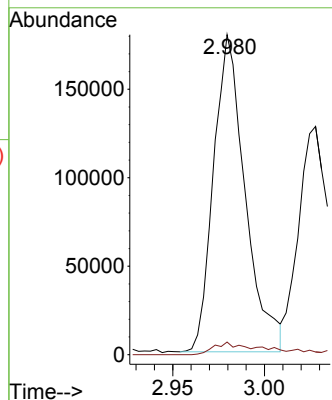
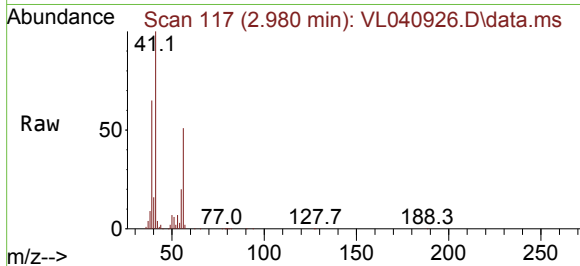




#16
1,3-Butadiene
Concen: 3.569 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

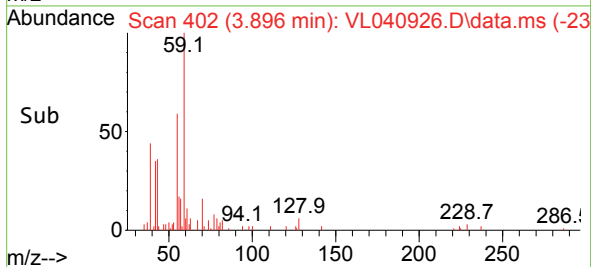
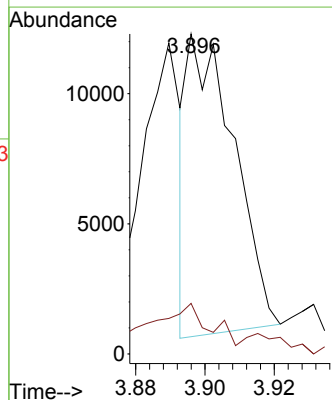
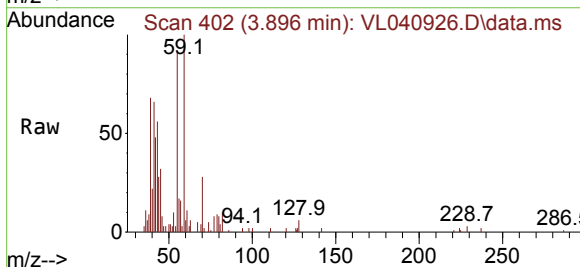
Instrument :
MSVOA_L
ClientSampleId :
10311

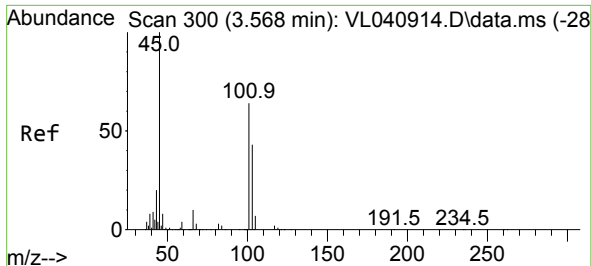
Tgt Ion: 39 Resp: 214929
Ion Ratio Lower Upper
39 100
54 7.0 63.8 95.6#



#17
tert-Butyl alcohol
Concen: 0.104 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.029 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 59 Resp: 10788
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 93.381 ppbv

RT: 3.584 min Scan# 300

Delta R.T. 0.016 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

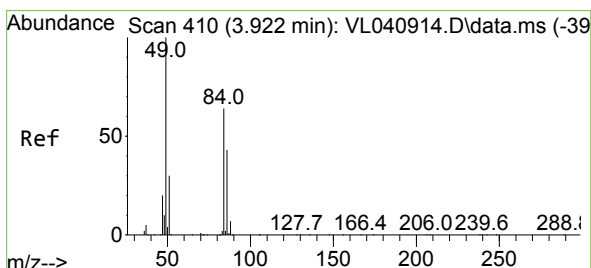
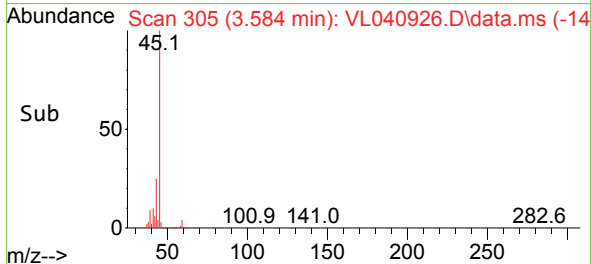
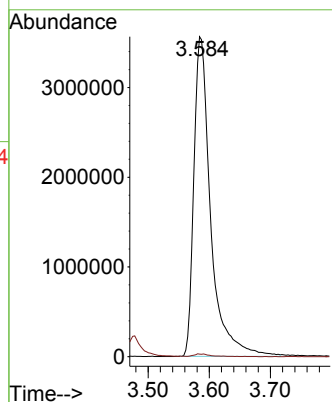
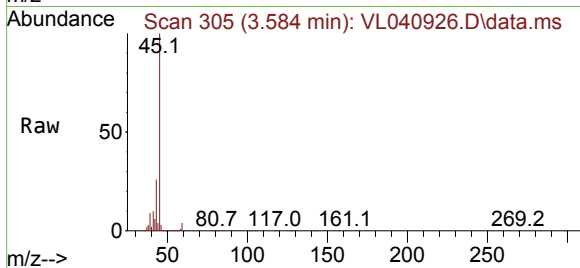
10311

Tgt Ion: 45 Resp: 6815306

Ion Ratio Lower Upper

45 100

58 1.0 1.5 2.3#



#20

Methylene Chloride

Concen: 3.745 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.016 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Tgt Ion: 84 Resp: 186735

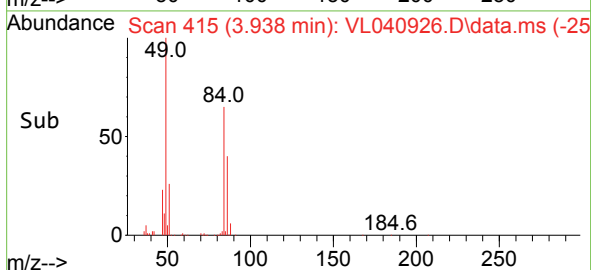
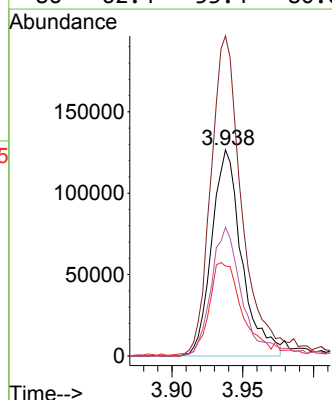
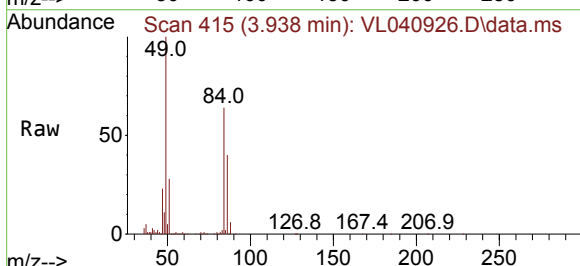
Ion Ratio Lower Upper

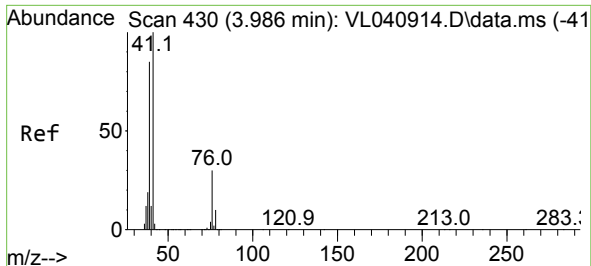
84 100

49 155.3 124.6 187.0

51 42.6 37.2 55.8

86 62.4 53.4 80.0

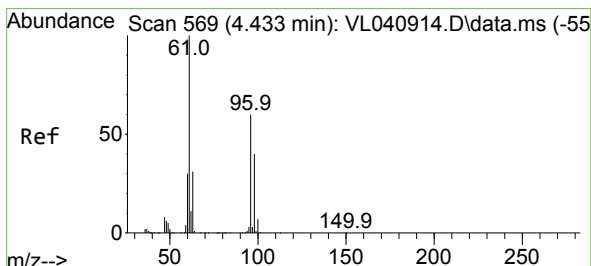
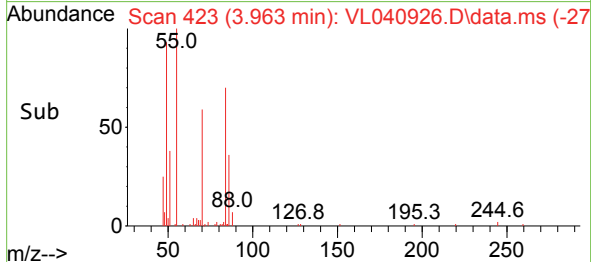
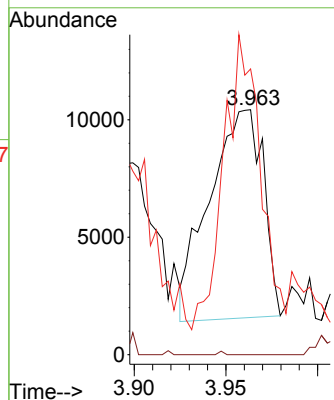
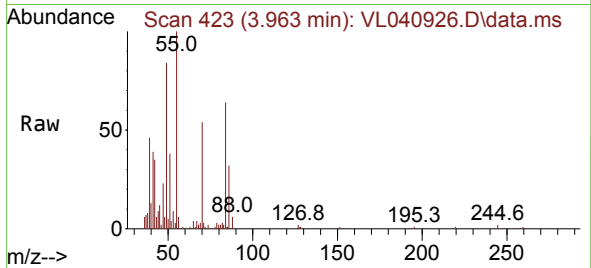




#21
Allyl Chloride
Concen: 0.219 ppbv
RT: 3.963 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

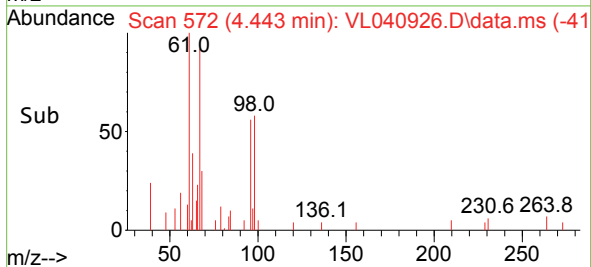
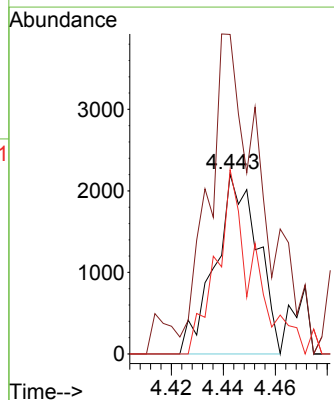
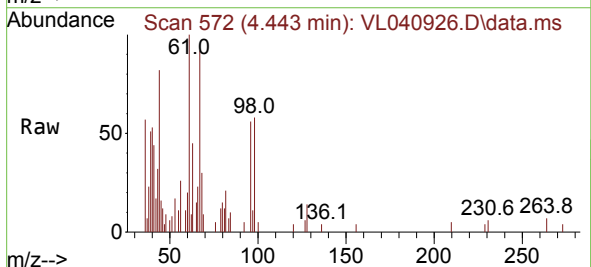
Instrument :
MSVOA_L
ClientSampleId :
10311

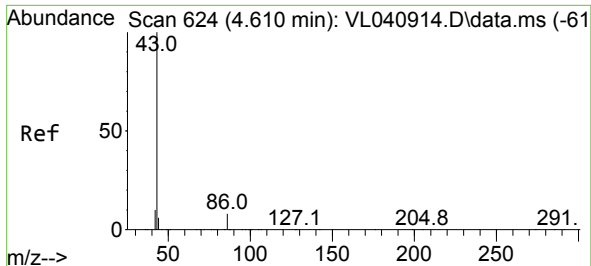
Tgt Ion: 41 Resp: 18115
Ion Ratio Lower Upper
41 100
76 0.0 23.9 35.9#
39 124.2 66.5 99.7#



#22
trans-1,2-Dichloroethene
Concen: 0.039 ppbv
RT: 4.443 min Scan# 572
Delta R.T. 0.010 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 96 Resp: 2502
Ion Ratio Lower Upper
96 100
61 168.5 133.0 199.6
98 102.5 53.7 80.5#



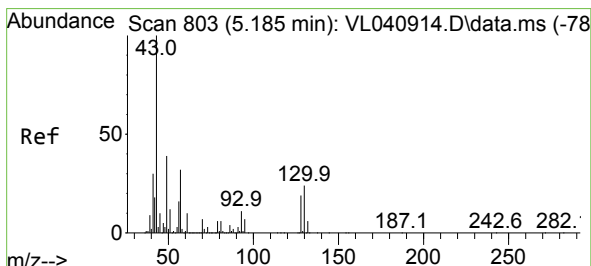
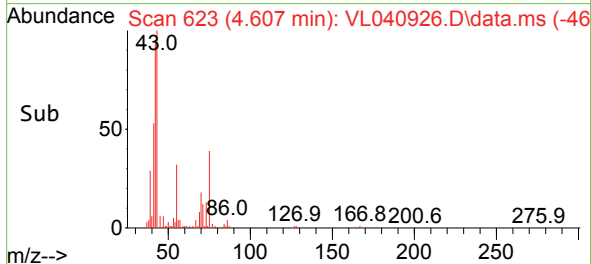
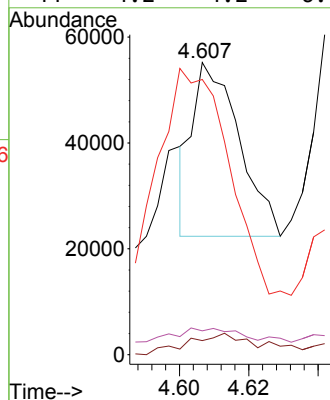
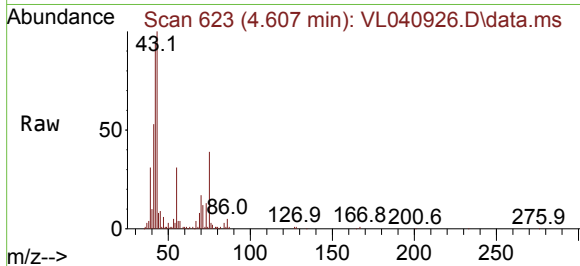


#23
Vinyl Acetate
Concen: 0.198 ppbv
RT: 4.607 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Instrument :
MSVOA_L
ClientSampleId :
10311

Tgt Ion: 43 Resp: 30566

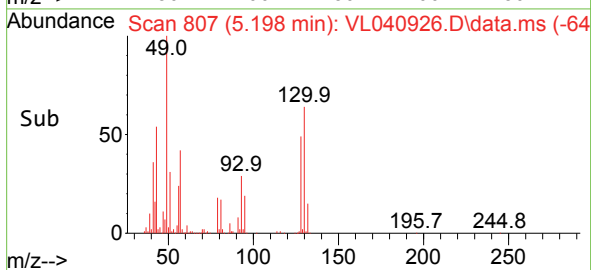
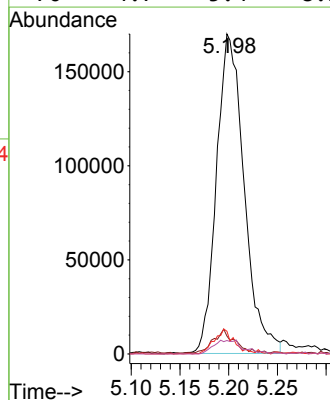
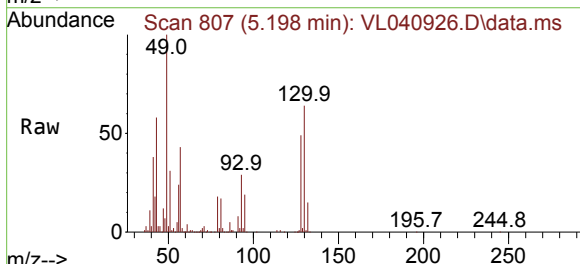
Ion	Ratio	Lower	Upper
43	100		
86	4.9	5.5	8.3#
42	121.8	8.4	12.6#
44	4.2	4.2	6.4#

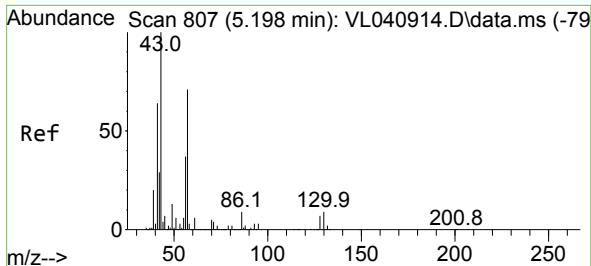


#25
Ethyl Acetate
Concen: 1.383 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.013 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 43 Resp: 335148

Ion	Ratio	Lower	Upper
43	100		
45	6.9	8.2	12.2#
61	6.5	7.6	11.4#
70	4.7	5.4	8.2#

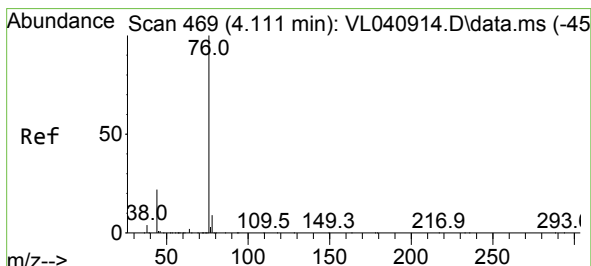
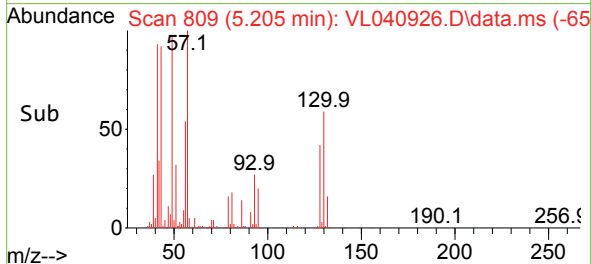
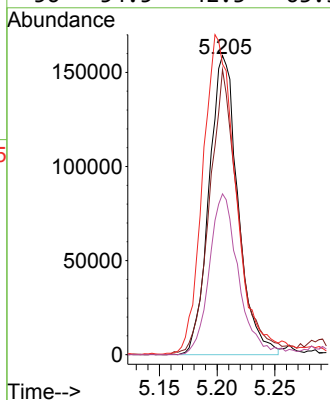
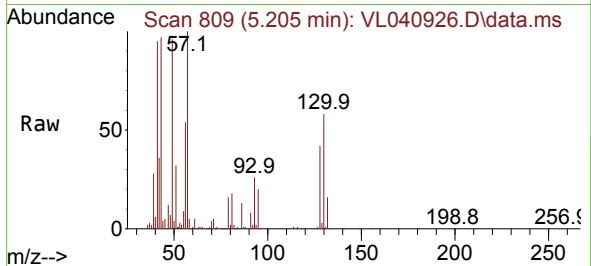




#26
Hexane
Concen: 2.579 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

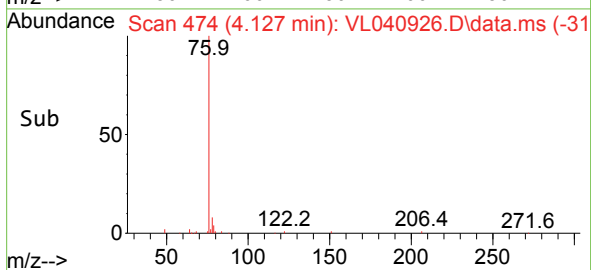
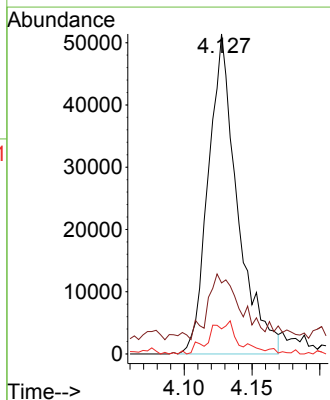
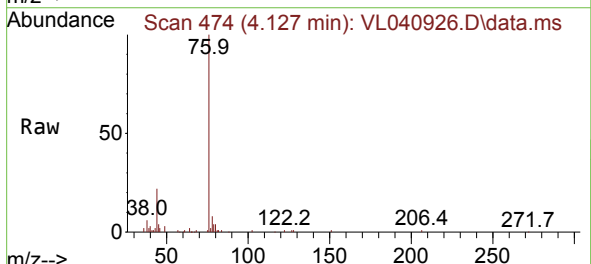
Instrument :
MSVOA_L
ClientSampleId :
10311

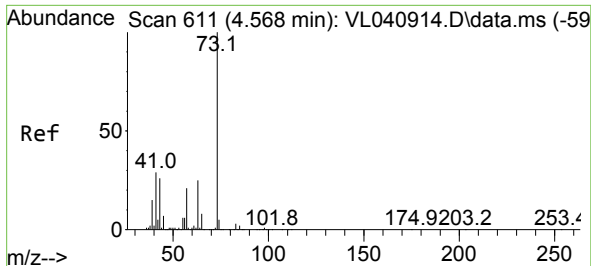
Tgt Ion: 57 Resp: 277023
Ion Ratio Lower Upper
57 100
41 94.6 75.2 112.8
43 124.5 188.0 282.0#
56 54.5 42.3 63.5



#27
Carbon Disulfide
Concen: 0.529 ppbv
RT: 4.127 min Scan# 474
Delta R.T. 0.016 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 76 Resp: 76863
Ion Ratio Lower Upper
76 100
44 28.5 18.4 27.6#
78 11.2 7.9 11.9





#28

Methyl tert-Butyl Ether

Concen: 0.313 ppbv

RT: 4.584 min Scan# 611

Delta R.T. 0.016 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

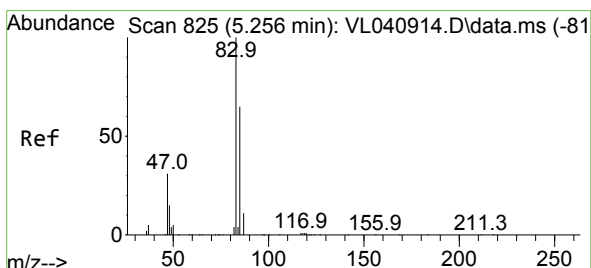
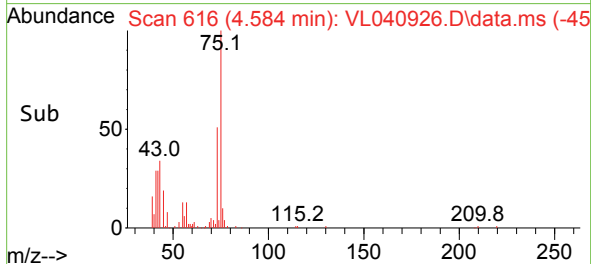
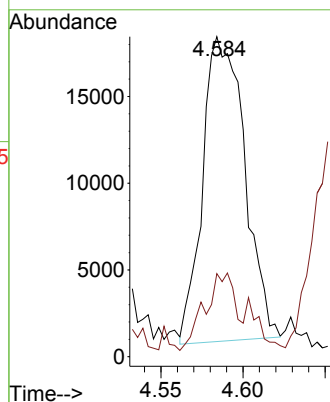
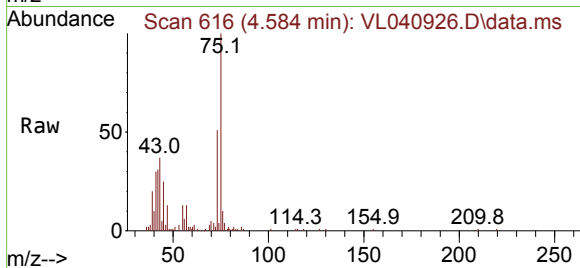
10311

Tgt Ion: 73 Resp: 31176

Ion Ratio Lower Upper

73 100

57 27.0 18.0 27.0#



#29

Chloroform

Concen: 0.100 ppbv

RT: 5.269 min Scan# 829

Delta R.T. 0.013 min

Lab File: VL040926.D

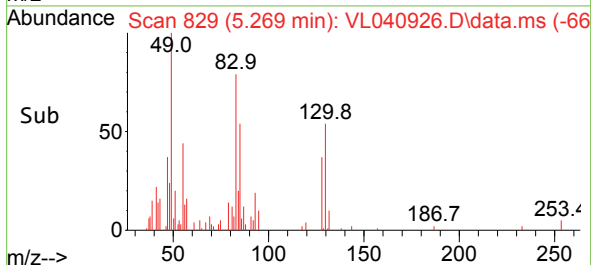
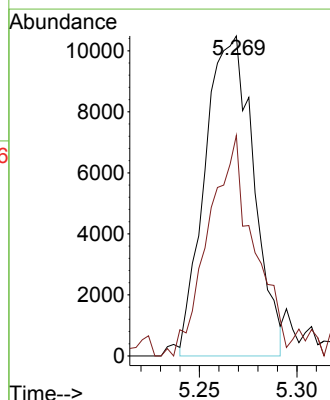
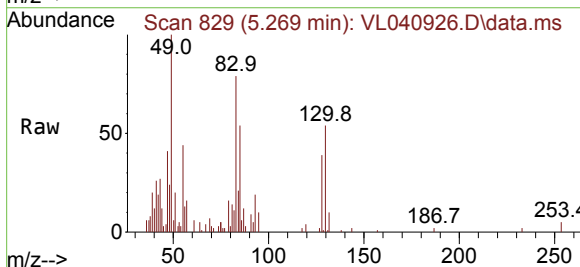
Acq: 21 Dec 2023 12:17

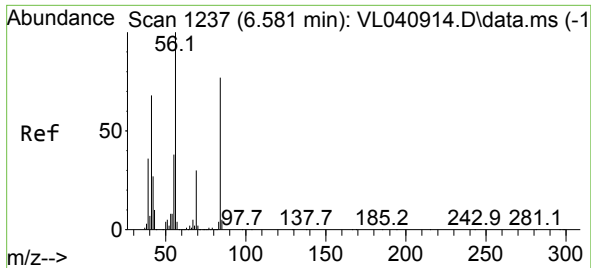
Tgt Ion: 83 Resp: 18126

Ion Ratio Lower Upper

83 100

85 62.4 52.3 78.5

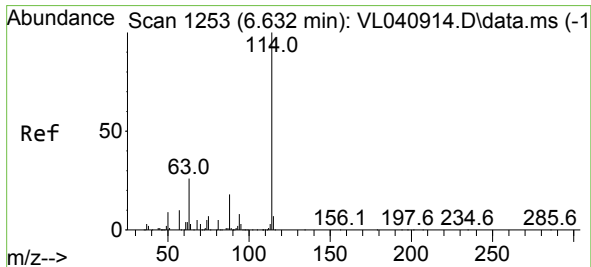
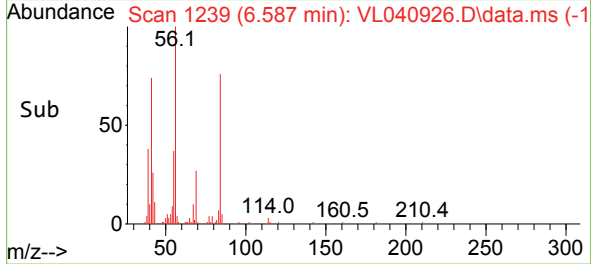
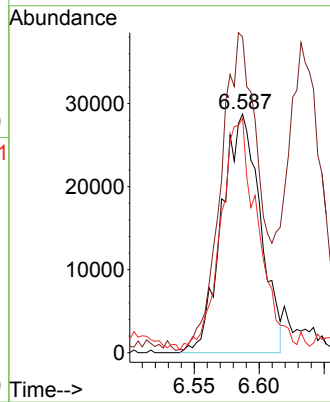
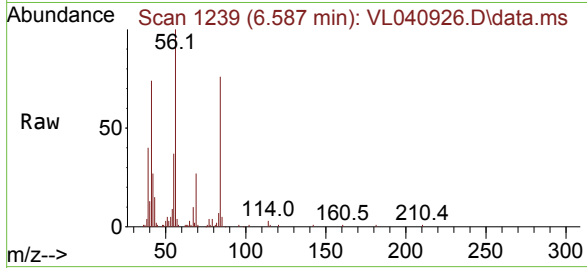




#30
Cyclohexane
Concen: 0.662 ppbv
RT: 6.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

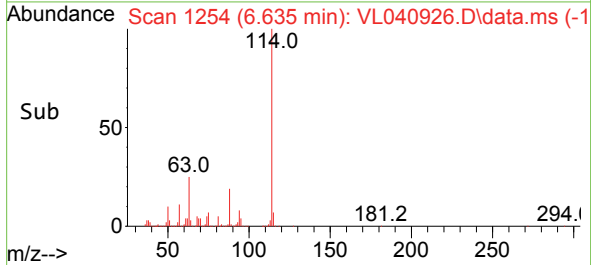
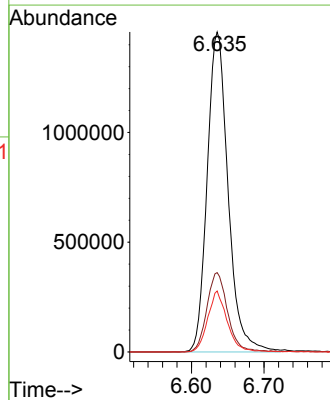
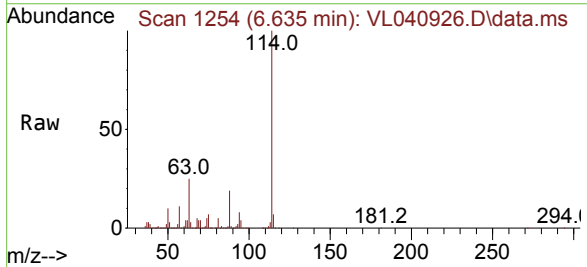
Instrument :
MSVOA_L
ClientSampleId :
10311

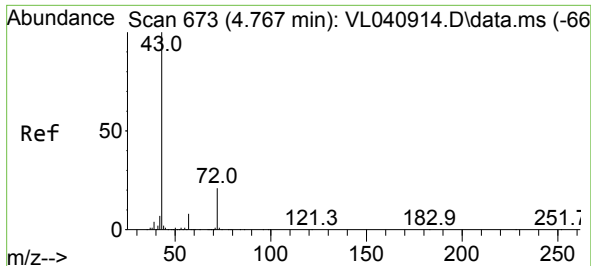
Tgt Ion: 84 Resp: 59246
Ion Ratio Lower Upper
84 100
56 128.5 111.4 167.2
41 95.7 70.0 105.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 114 Resp: 2920835
Ion Ratio Lower Upper
114 100
63 24.8 21.0 31.6
88 18.0 14.3 21.5

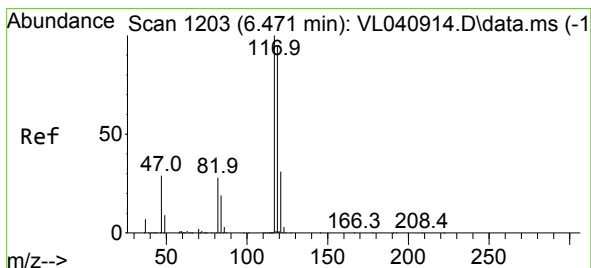
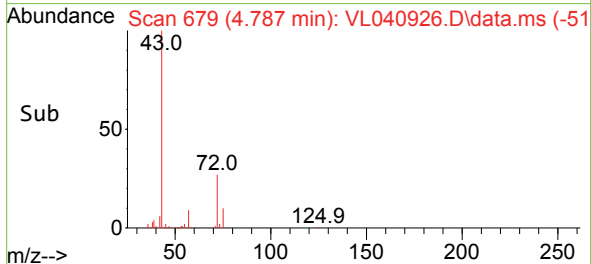
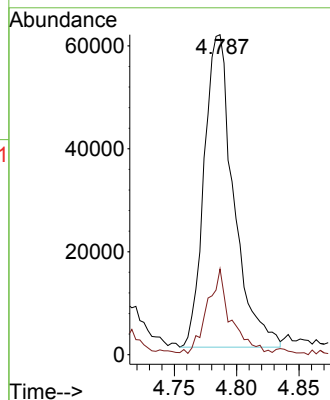
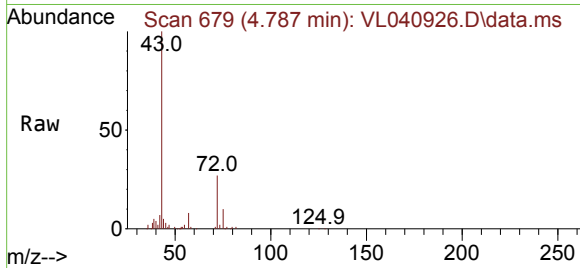




#34
2-Butanone
Concen: 0.647 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

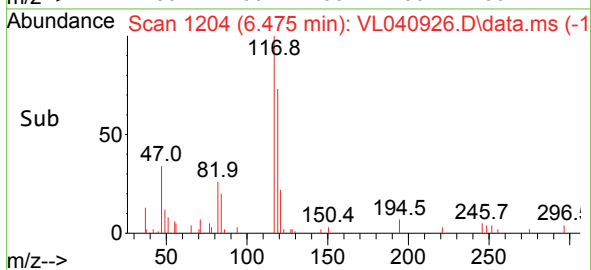
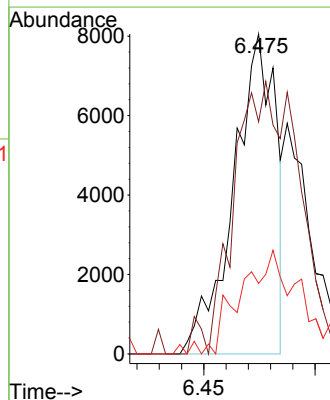
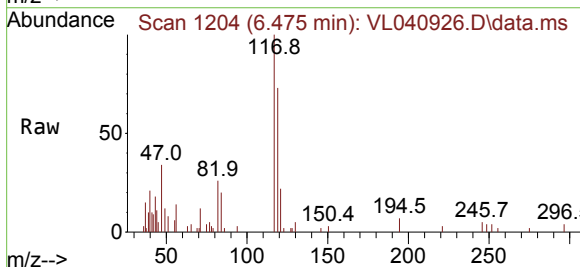
Instrument :
MSVOA_L
ClientSampleId :
10311

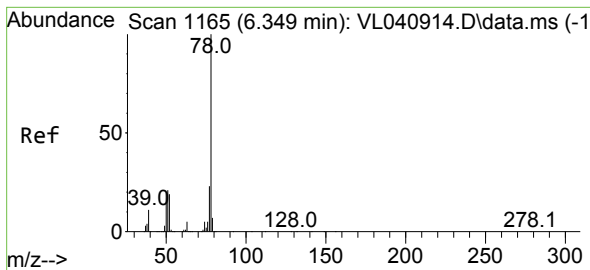
Tgt Ion: 43 Resp: 99904
Ion Ratio Lower Upper
43 100
72 23.7 17.2 25.8



#35
Carbon Tetrachloride
Concen: 0.058 ppbv
RT: 6.475 min Scan# 1204
Delta R.T. 0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 117 Resp: 10639
Ion Ratio Lower Upper
117 100
119 72.5 76.3 114.5#
121 19.1 24.9 37.3#





#36

Benzene

Concen: 0.756 ppbv

RT: 6.352 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

10311

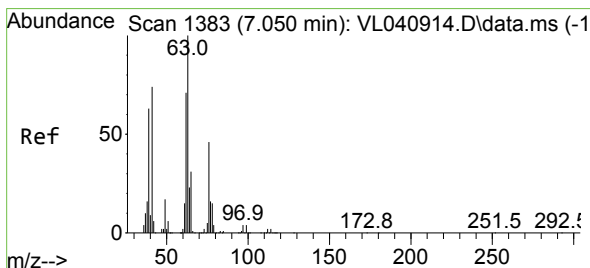
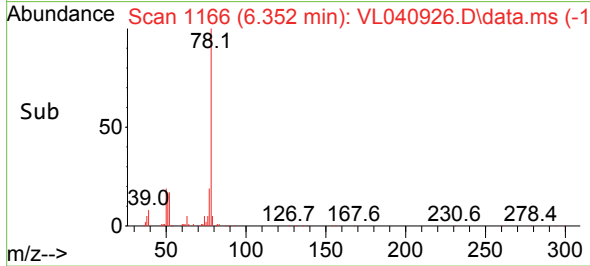
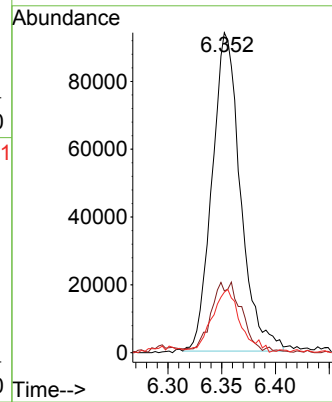
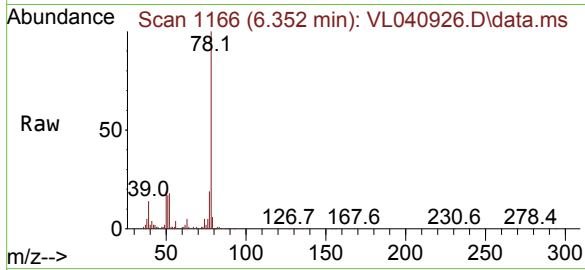
Tgt Ion: 78 Resp: 172621

Ion Ratio Lower Upper

78 100

77 18.9 18.4 27.6

50 18.2 16.0 24.0



#39

1,2-Dichloropropane

Concen: 7.861 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. -0.415 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

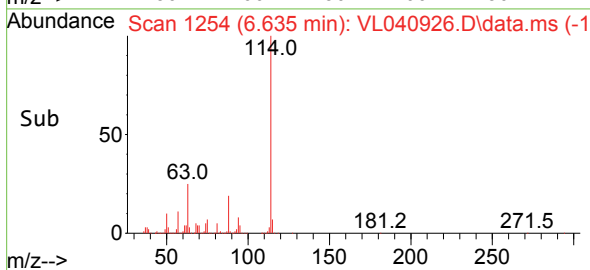
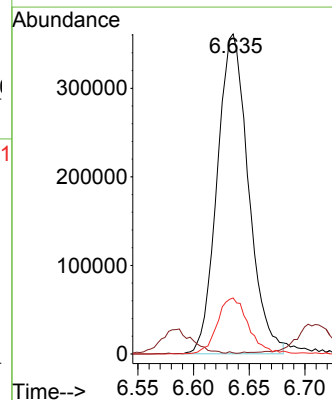
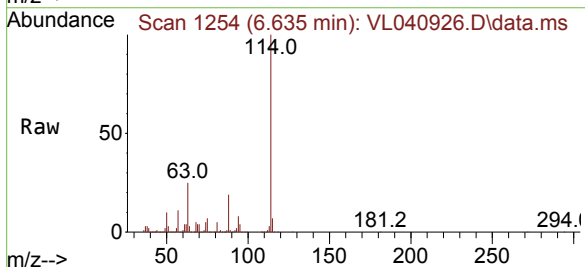
Tgt Ion: 63 Resp: 705359

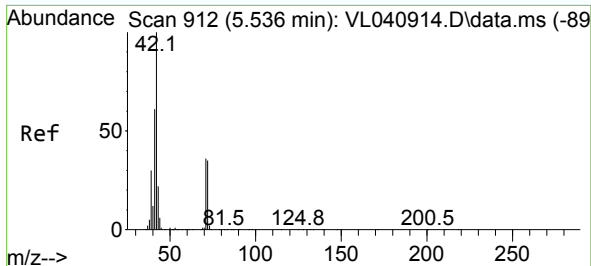
Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 17.4 56.6 85.0#





#41

Tetrahydrofuran

Concen: 0.034 ppbv

RT: 5.549 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

10311

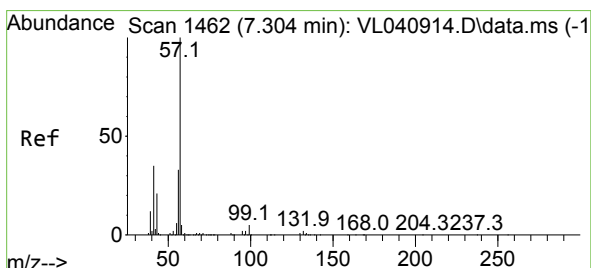
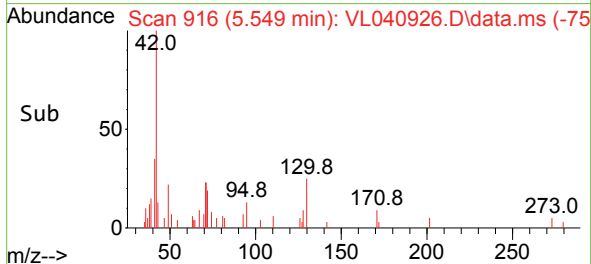
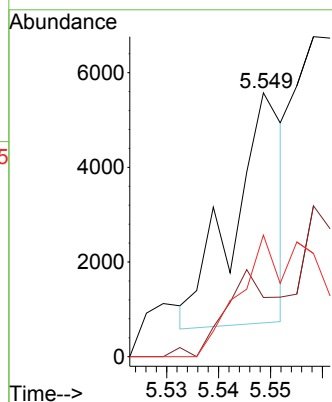
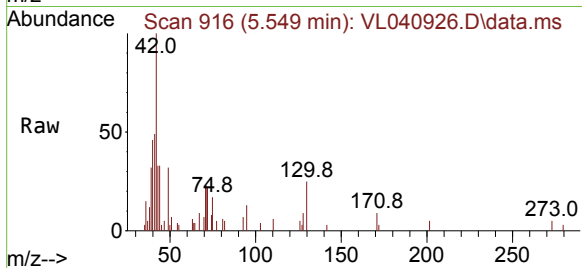
Tgt Ion: 42 Resp: 3236

Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 127.1 29.1 43.7#



#44

2,2,4-Trimethylpentane

Concen: 0.422 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

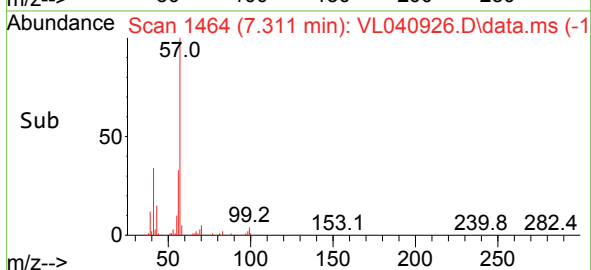
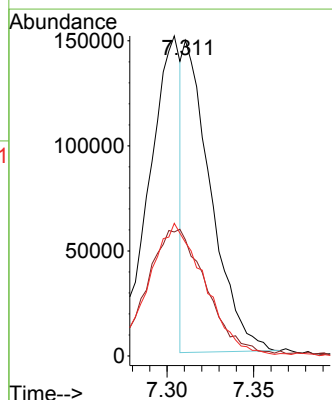
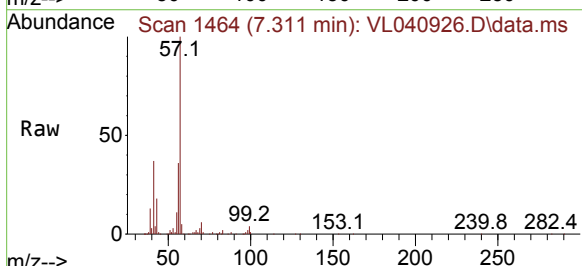
Tgt Ion: 57 Resp: 163858

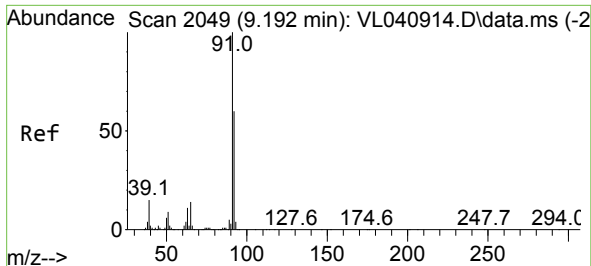
Ion Ratio Lower Upper

57 100

41 89.9 28.2 42.4#

56 0.0 25.3 37.9#

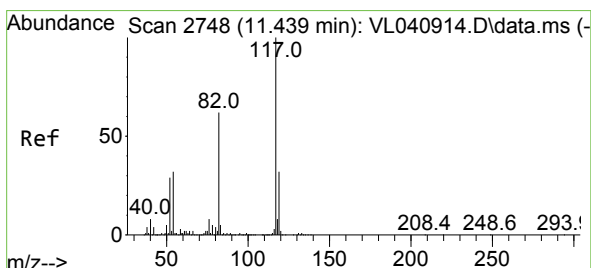
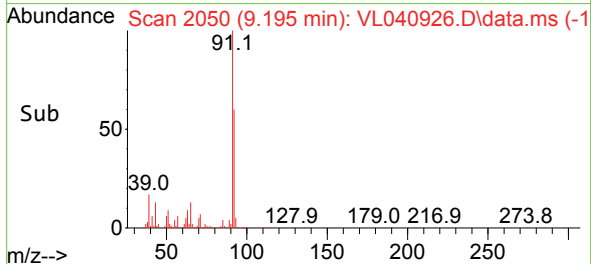
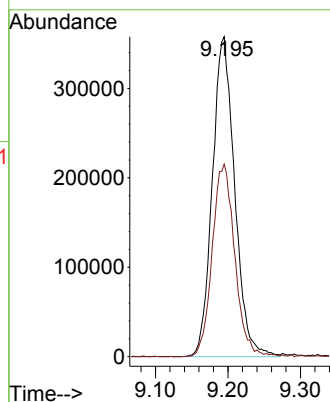
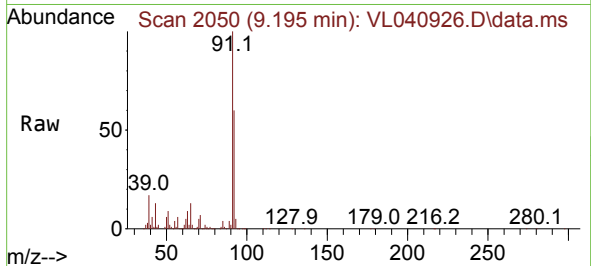




#53
Toluene
Concen: 3.026 ppbv
RT: 9.195 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

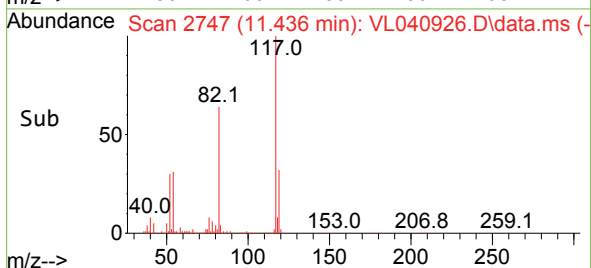
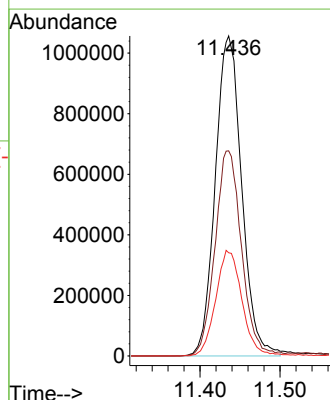
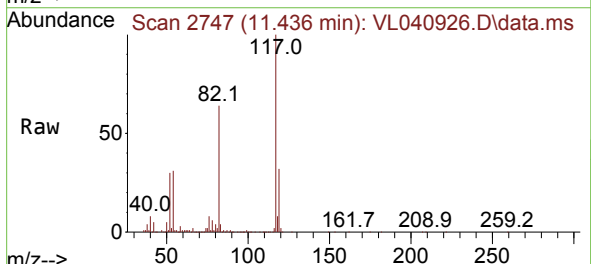
Instrument :
MSVOA_L
ClientSampleId :
10311

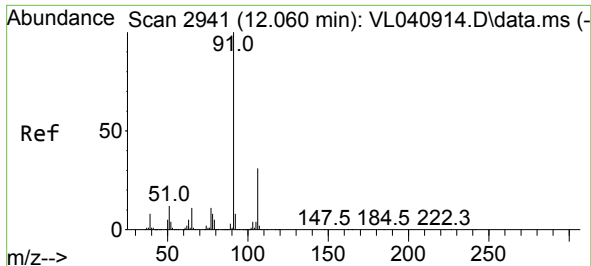
Tgt Ion: 91 Resp: 766069
Ion Ratio Lower Upper
91 100
92 60.9 49.2 73.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 117 Resp: 2421968
Ion Ratio Lower Upper
117 100
82 64.3 49.6 74.4
119 33.1 23.4 35.0

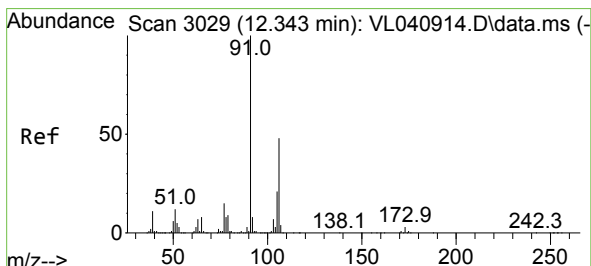
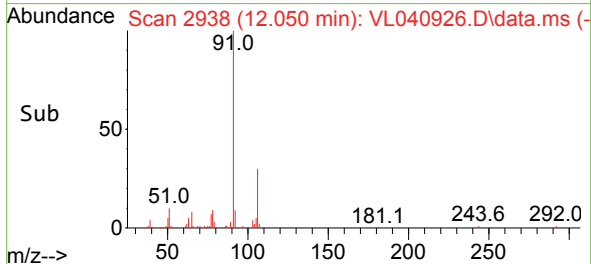
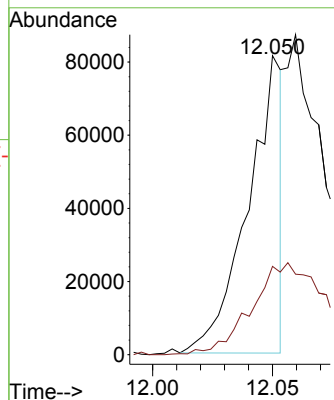
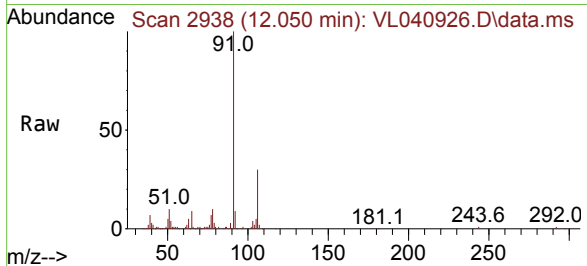




#58
Ethyl Benzene
Concen: 0.258 ppbv
RT: 12.050 min Scan# 2941
Delta R.T. -0.010 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

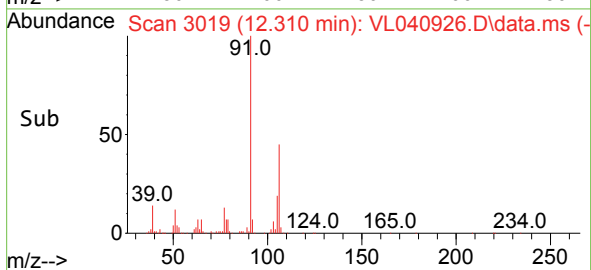
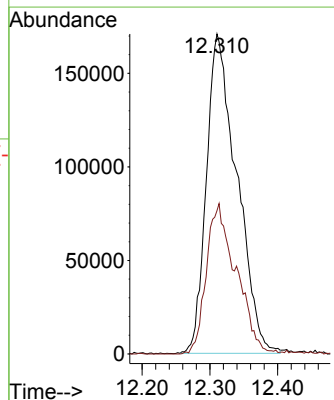
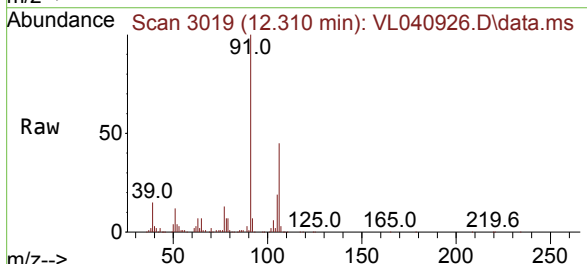
Instrument :
MSVOA_L
ClientSampleId :
10311

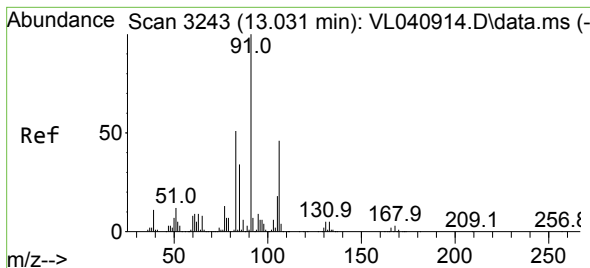
Tgt Ion: 91 Resp: 80406
Ion Ratio Lower Upper
91 100
106 29.4 24.9 37.3



#59
m/p-Xylene
Concen: 2.008 ppbv
RT: 12.310 min Scan# 3019
Delta R.T. -0.032 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 91 Resp: 531458
Ion Ratio Lower Upper
91 100
106 46.9 0.0 0.0#





#60

o-Xylene

Concen: 0.684 ppbv

RT: 13.024 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

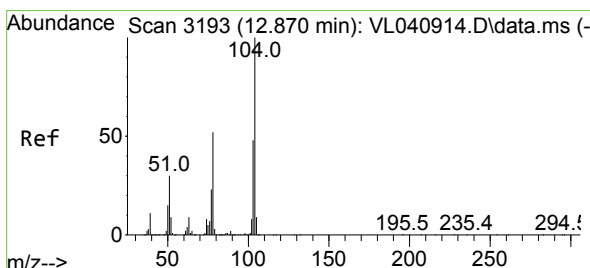
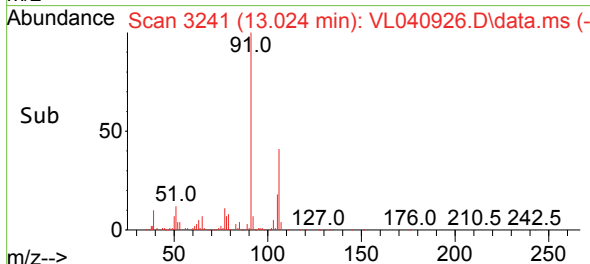
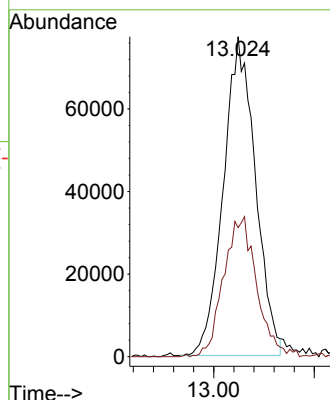
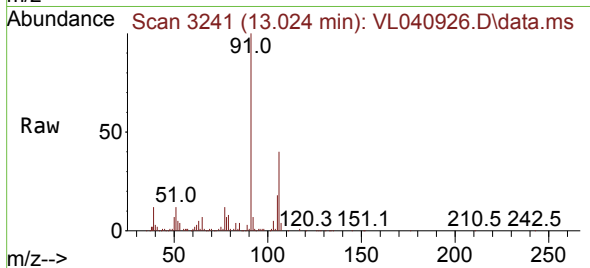
10311

Tgt Ion: 91 Resp: 170506

Ion Ratio Lower Upper

91 100

106 45.4 22.6 67.7



#61

Styrene

Concen: 0.034 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. 0.000 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

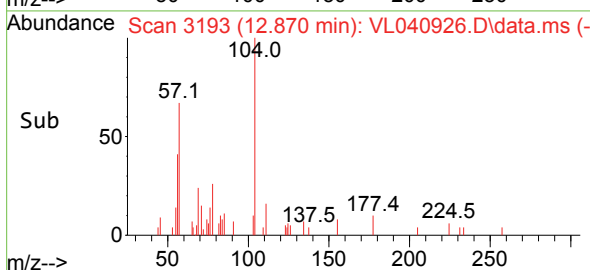
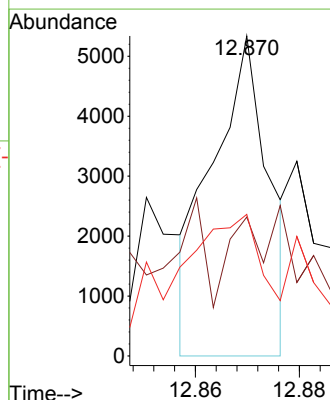
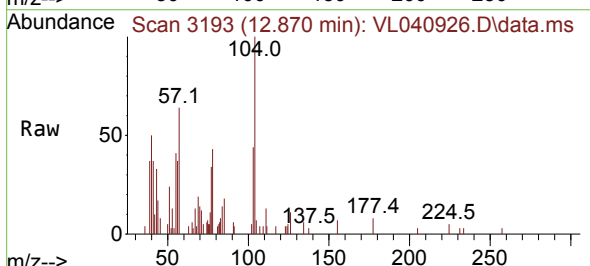
Tgt Ion: 104 Resp: 4037

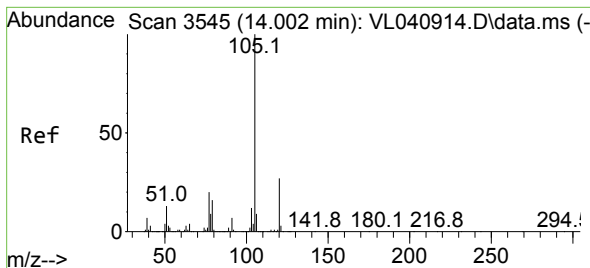
Ion Ratio Lower Upper

104 100

78 149.7 43.0 64.4#

103 107.2 37.6 56.4#





#62

Isopropylbenzene

Concen: 0.042 ppbv

RT: 13.995 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

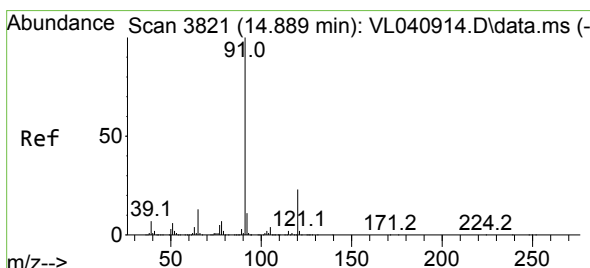
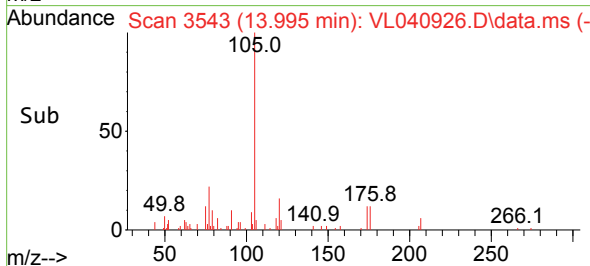
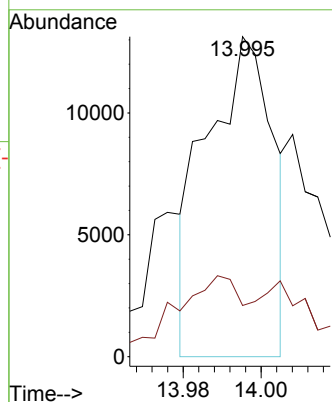
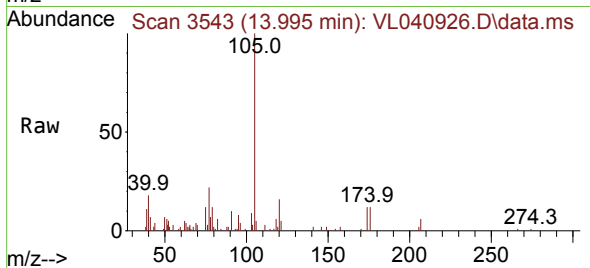
10311

Tgt Ion:105 Resp: 15545

Ion Ratio Lower Upper

105 100

120 48.6 20.7 31.1#



#64

n-propylbenzene

Concen: 0.054 ppbv

RT: 15.095 min Scan# 3885

Delta R.T. 0.206 min

Lab File: VL040926.D

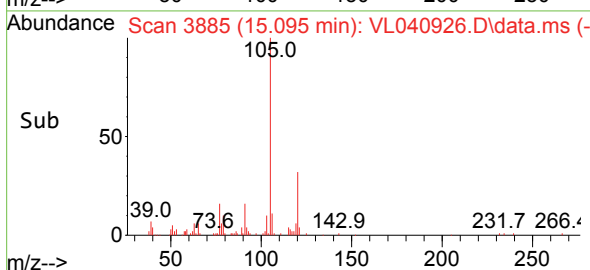
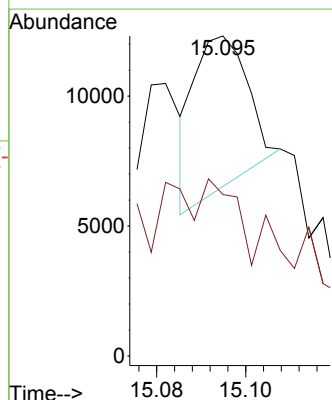
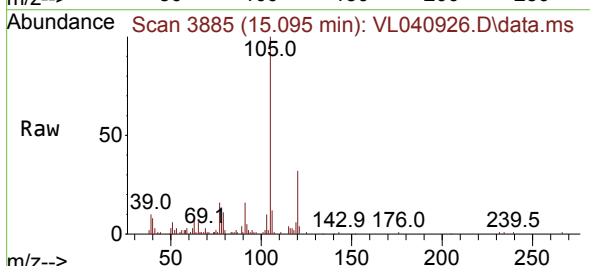
Acq: 21 Dec 2023 12:17

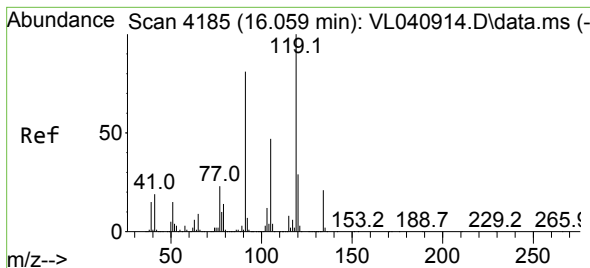
Tgt Ion:120 Resp: 5009

Ion Ratio Lower Upper

120 100

91 383.0 381.9 572.9

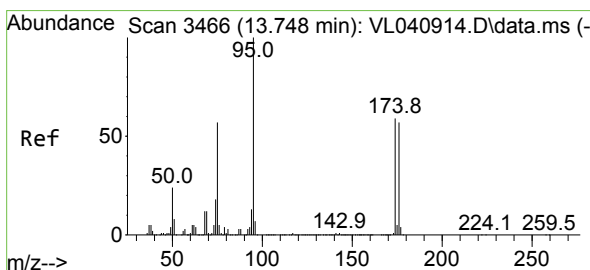
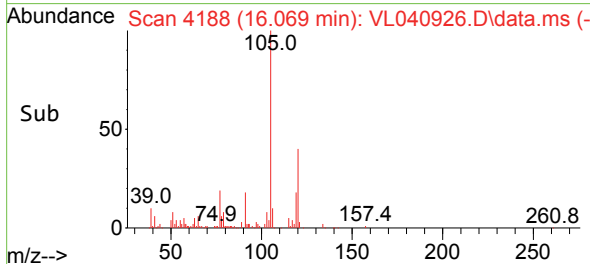
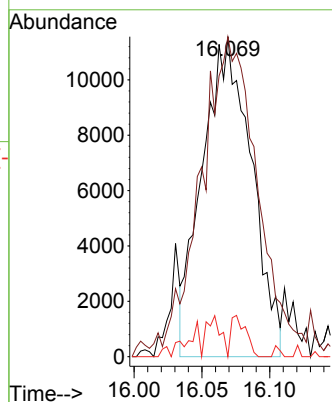
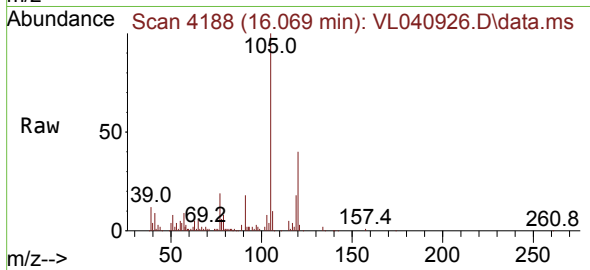




#65
tert-Butylbenzene
Concen: 0.092 ppbv
RT: 16.069 min Scan# 4185
Delta R.T. 0.010 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

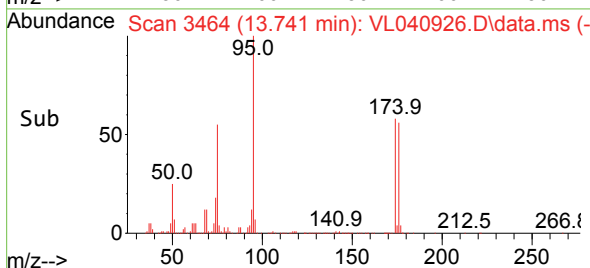
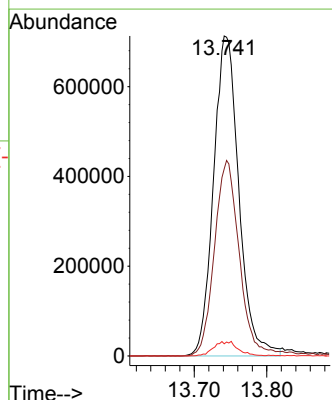
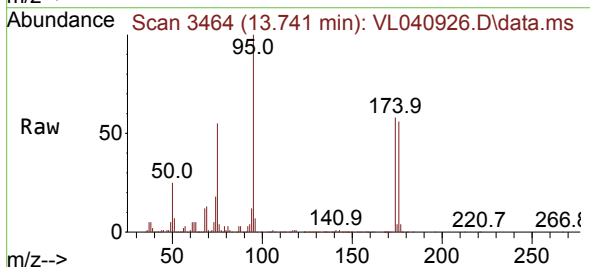
Instrument :
MSVOA_L
ClientSampleId :
10311

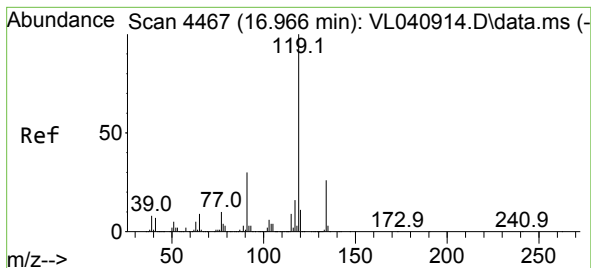
Tgt Ion:119 Resp: 29055
Ion Ratio Lower Upper
119 100
91 120.7 67.2 100.8#
134 11.1 15.8 23.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.702 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion: 95 Resp: 1730804
Ion Ratio Lower Upper
95 100
174 60.9 48.0 72.0
175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.037 ppbv

RT: 16.966 min Scan# 4467

Delta R.T. 0.000 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

10311

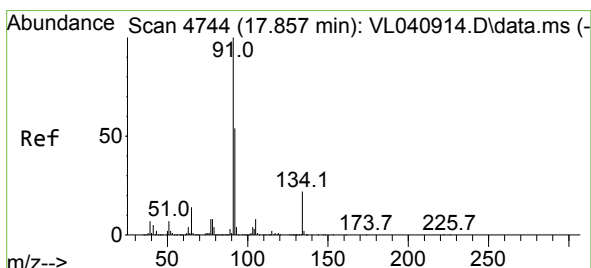
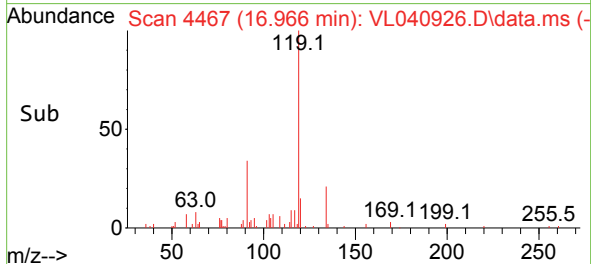
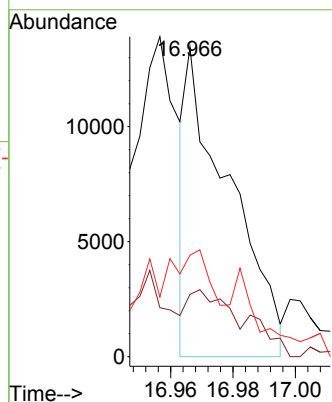
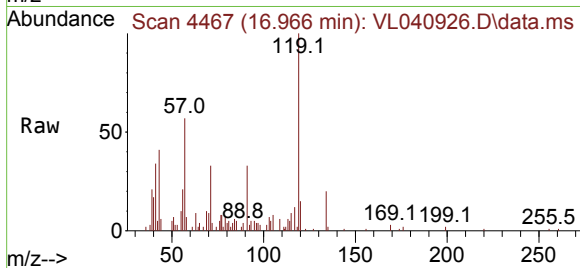
Tgt Ion:119 Resp: 13018

Ion Ratio Lower Upper

119 100

134 0.0 20.3 30.5#

91 88.7 24.1 36.1#



#70

n-Butylbenzene

Concen: 0.049 ppbv

RT: 17.854 min Scan# 4743

Delta R.T. -0.003 min

Lab File: VL040926.D

Acq: 21 Dec 2023 12:17

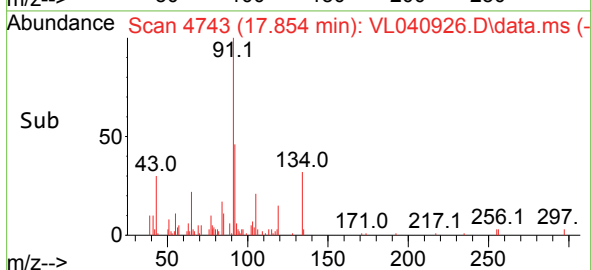
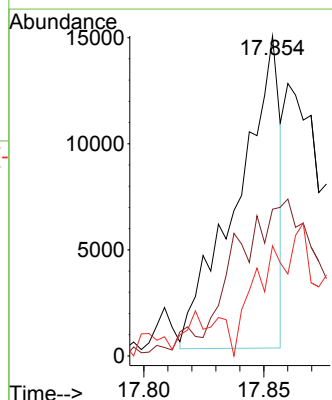
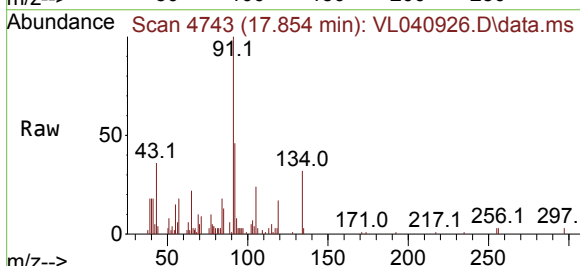
Tgt Ion: 91 Resp: 18205

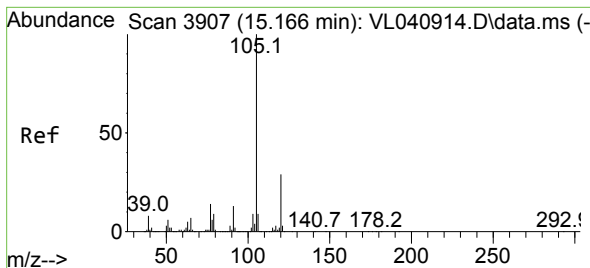
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.0#

134 0.0 17.6 26.4#

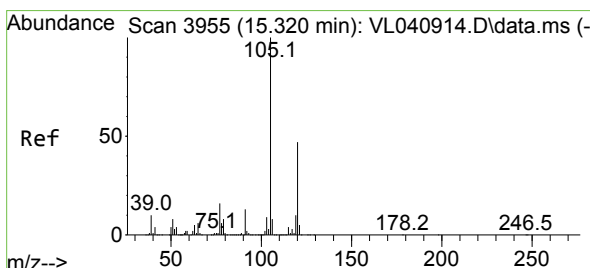
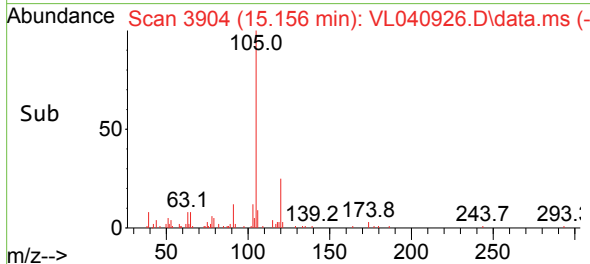
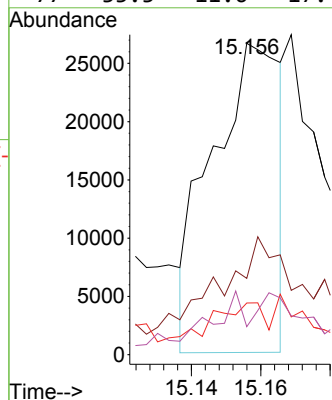
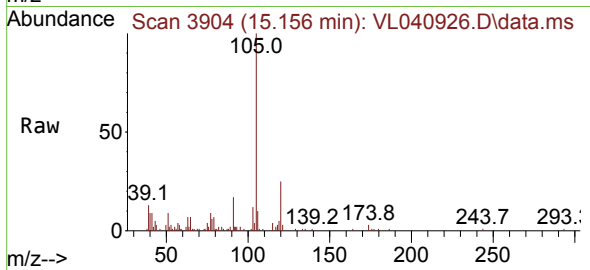




#72
4-Ethyltoluene
Concen: 0.132 ppbv
RT: 15.156 min Scan# 3904
Delta R.T. -0.010 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

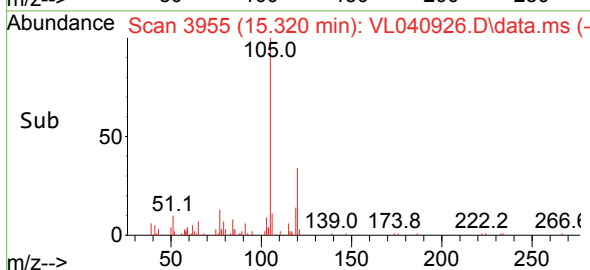
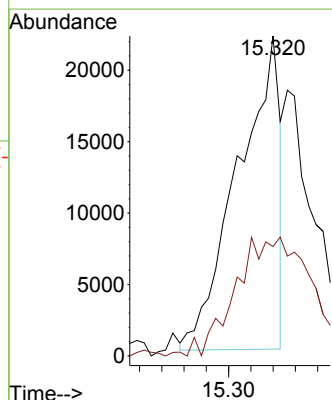
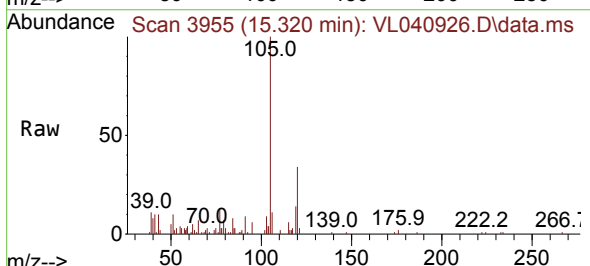
Instrument :
MSVOA_L
ClientSampleId :
10311

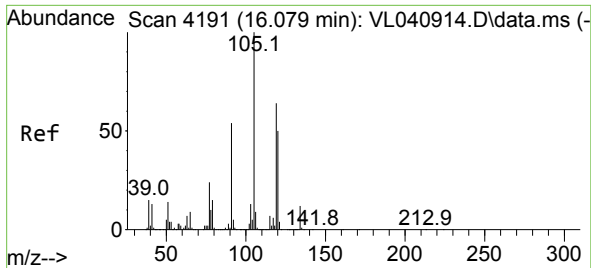
Tgt Ion:105 Resp: 36212
Ion Ratio Lower Upper
105 100
120 60.1 23.8 35.8#
91 0.0 10.9 16.3#
77 33.3 11.6 17.4#



#73
1,3,5-Trimethylbenzene
Concen: 0.121 ppbv
RT: 15.320 min Scan# 3955
Delta R.T. 0.000 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion:105 Resp: 28690
Ion Ratio Lower Upper
105 100
120 34.4 37.8 56.8#

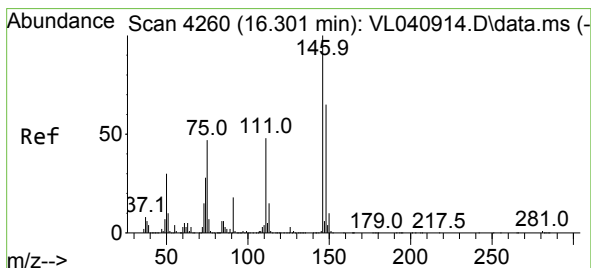
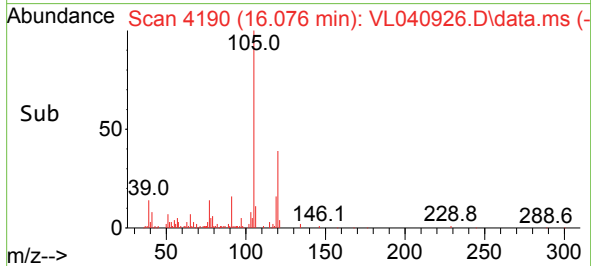
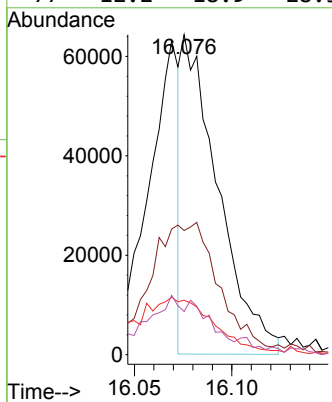
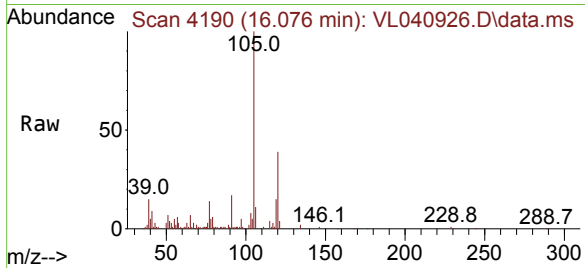




#74
1,2,4-Trimethylbenzene
Concen: 0.316 ppbv
RT: 16.076 min Scan# 4191
Delta R.T. -0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

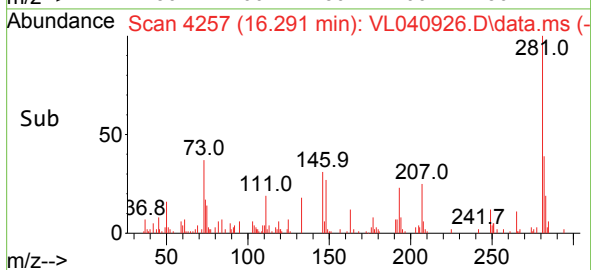
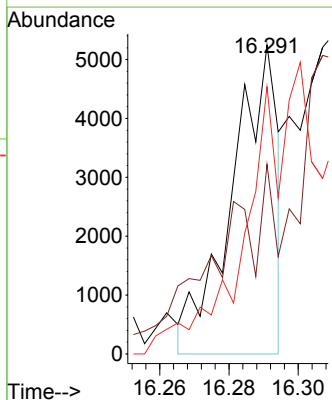
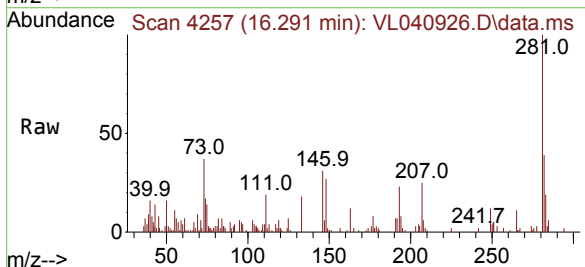
Instrument :
MSVOA_L
ClientSampleId :
10311

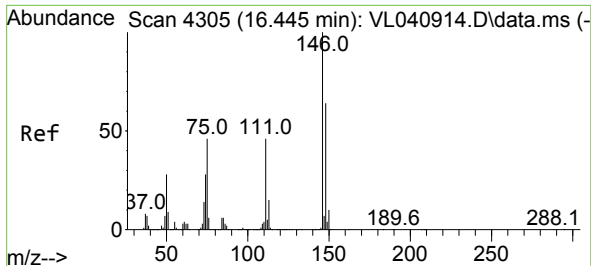
Tgt Ion:	105	Resp:	82929
Ion	Ratio	Lower	Upper
105	100		
120	37.7	40.2	60.4#
91	16.6	43.0	64.6#
77	12.2	18.9	28.3#



#75
1,3-Dichlorobenzene
Concen: 0.032 ppbv
RT: 16.291 min Scan# 4257
Delta R.T. -0.010 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion:	146	Resp:	4810
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.7	74.1#
148	0.0	32.1	96.5#

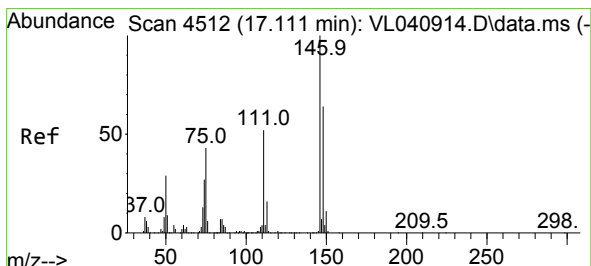
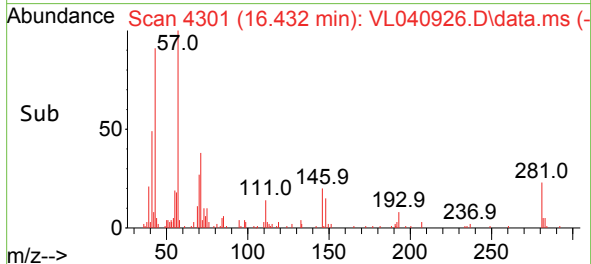
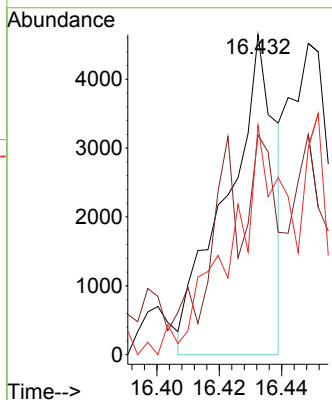
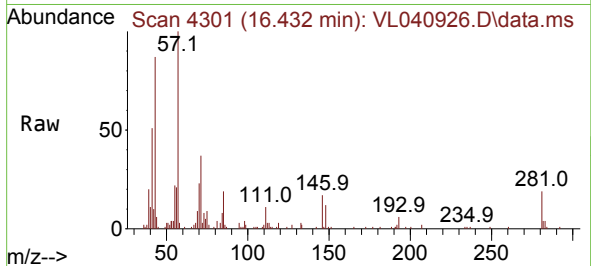




#76
1,4-Dichlorobenzene
Concen: 0.034 ppbv
RT: 16.432 min Scan# 411
Delta R.T. -0.013 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

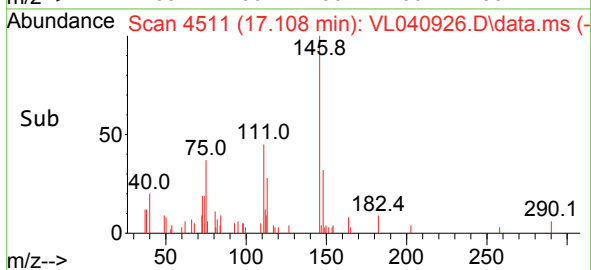
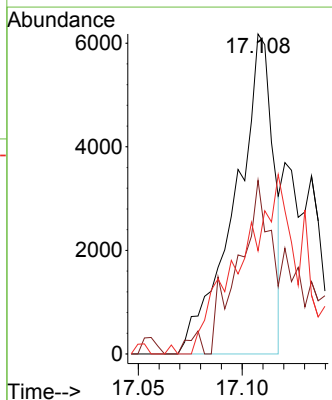
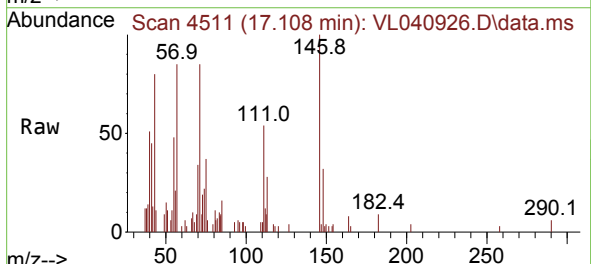
Instrument :
MSVOA_L
ClientSampleId :
10311

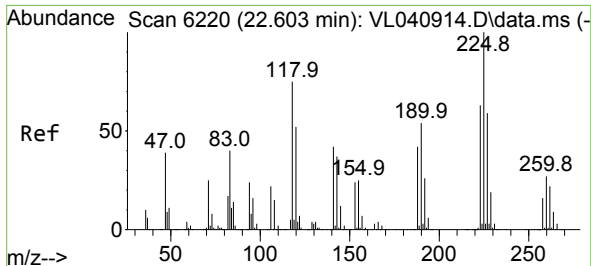
Tgt Ion:146 Resp: 4982
Ion Ratio Lower Upper
146 100
111 0.0 24.1 72.4#
148 0.0 33.2 99.6#



#77
1,2-Dichlorobenzene
Concen: 0.055 ppbv
RT: 17.108 min Scan# 4511
Delta R.T. -0.003 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion:146 Resp: 7919
Ion Ratio Lower Upper
146 100
111 80.0 25.5 76.5#
148 0.0 32.2 96.6#

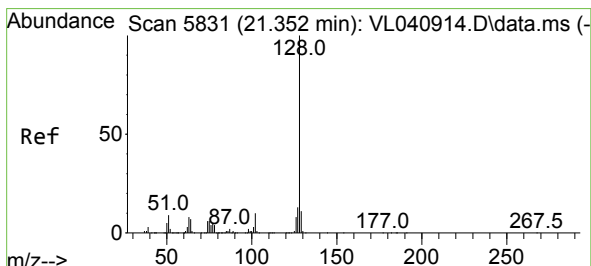
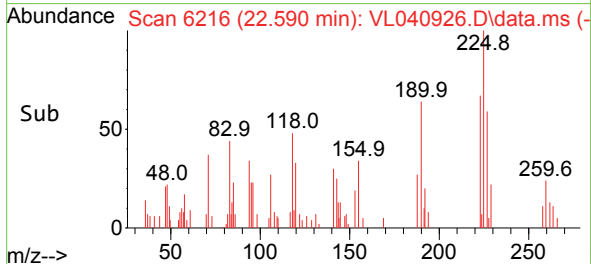
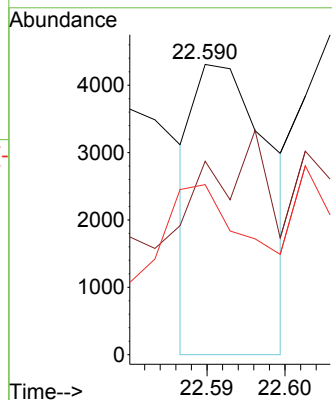
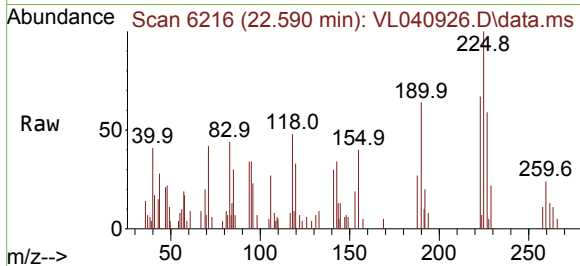




#78
Hexachloro-1,3-Butadiene
Concen: 0.032 ppbv
RT: 22.590 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

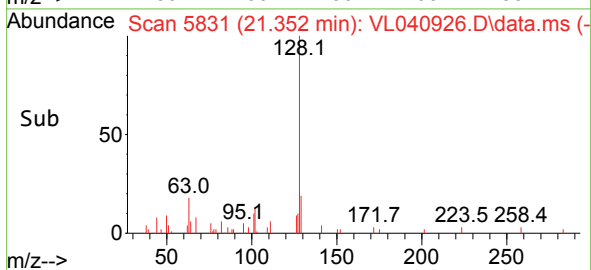
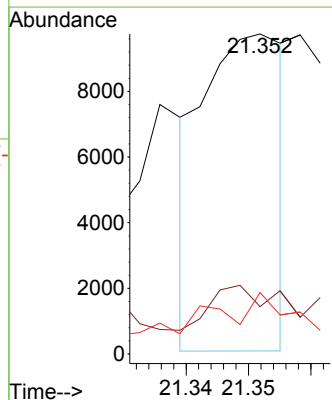
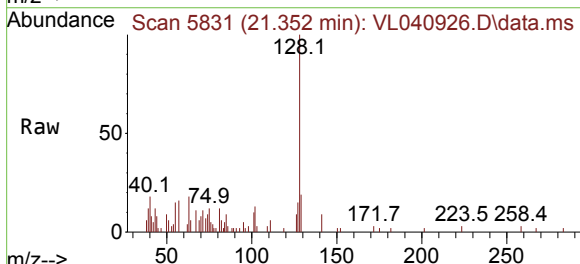
Instrument :
MSVOA_L
ClientSampleId :
10311

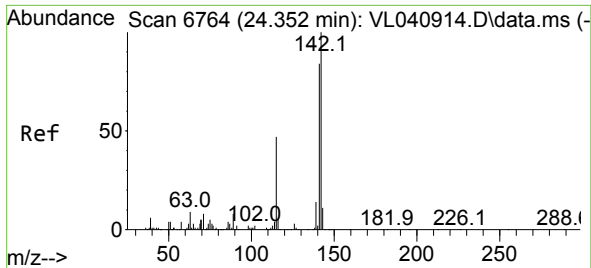
Tgt Ion:225 Resp: 2865
Ion Ratio Lower Upper
225 100
223 285.7 51.5 77.3#
227 0.0 51.7 77.5#



#79
Naphthalene
Concen: 0.068 ppbv
RT: 21.352 min Scan# 5831
Delta R.T. 0.000 min
Lab File: VL040926.D
Acq: 21 Dec 2023 12:17

Tgt Ion:128 Resp: 8631
Ion Ratio Lower Upper
128 100
127 28.4 10.6 15.8#
129 49.5 8.7 13.1#





#80

Naphthalene, 2-methyl-

Concen: 0.075 ppbv

RT: 24.635 min Scan# 61

Delta R.T. 0.283 min

Lab File: VL040926.D

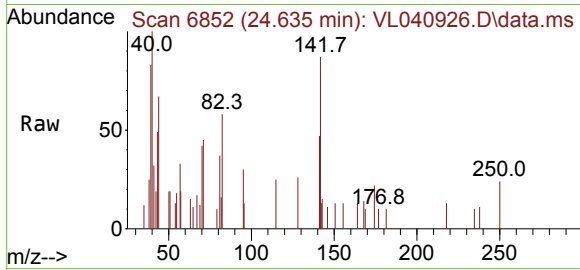
Acq: 21 Dec 2023 12:17

Instrument :

MSVOA_L

ClientSampleId :

10311



Tgt Ion:142 Resp: 1733

Ion Ratio Lower Upper

142 100

141 82.7 68.5 102.7

115 42.6 34.5 51.7

