

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040445.D
 Acq On : 16 May 2023 19:48
 Operator : SY/MD
 Sample : 02793-04 8X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Quant Time: May 17 05:17:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1047541	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2787081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2464420	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1908559	9.631	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%

Target Compounds						Qvalue
3) Chlorodifluoromethane	2.681	51	13751	0.102	ppbv	99
4) Chloromethane	2.819	50	10291	0.122	ppbv	89
7) Chloroethane	3.205	64	860	0.033	ppbv #	63
9) Propene	2.877	41	255225	4.849	ppbv	98
10) Heptane	7.603	43	289645	2.382	ppbv	99
11) Trichlorofluoromethane	3.575	101	8214	0.044	ppbv	89
13) Ethanol	3.247	45	363891	91.231	ppbv	97
15) Acetone	3.475	43	930692	7.023	ppbv #	70
16) 1,3-Butadiene	2.973	39	65763	1.081	ppbv #	16
17) tert-Butyl alcohol	3.896	59	36705	0.277	ppbv #	72
18) 1,1-Dichloroethene	3.893	96	63590	1.059	ppbv	98
19) Isopropyl Alcohol	3.620	45	7837	0.121	ppbv #	92
20) Methylene Chloride	3.944	84	1473775	24.965	ppbv	99
21) Allyl Chloride	3.967	41	109615	1.294	ppbv #	40
23) Vinyl Acetate	4.623	43	155262	4.239	ppbv #	1
24) 1,1-Dichloroethane	4.578	63	126855	1.012	ppbv	98
25) Ethyl Acetate	5.230	43	774619	3.104	ppbv #	76
26) Hexane	5.230	57	1152782	11.142	ppbv #	35
27) Carbon Disulfide	4.137	76	47242	0.347	ppbv #	83
30) Cyclohexane	6.626	84	186388	2.215	ppbv	92
32) 1,1,1-Trichloroethane	6.025	97	1104704	5.637	ppbv	100
34) 2-Butanone	4.809	43	39155	0.264	ppbv #	26
36) Benzene	6.391	78	431044	1.904	ppbv	95
39) 1,2-Dichloropropane	6.674	63	673805	7.599	ppbv #	22
41) Tetrahydrofuran	5.587	42	16952	0.206	ppbv #	66
42) Bromodichloromethane	7.272	83	21182	0.106	ppbv #	25
44) 2,2,4-Trimethylpentane	7.349	57	247360	0.660	ppbv #	28
51) 2-Hexanone	9.555	43	63182	0.374	ppbv #	29
53) Toluene	9.246	91	1246723	5.214	ppbv	99
58) Ethyl Benzene	12.118	91	432940	1.388	ppbv	95
59) m/p-Xylene	12.372	91	1344277	4.726	ppbv	93
60) o-Xylene	13.085	91	562328	2.077	ppbv	99
61) Styrene	12.925	104	7006	0.051	ppbv #	14
62) Isopropylbenzene	14.063	105	30946	0.078	ppbv #	1
64) n-propylbenzene	14.944	120	53702	0.550	ppbv	85
65) tert-Butylbenzene	16.137	119	85349	0.246	ppbv #	70
66) Benzyl Chloride	16.349	91	1010	0.049	ppbv #	1
67) sec-Butylbenzene	16.664	105	77329	0.155	ppbv	99
70) n-Butylbenzene	17.915	91	60247	0.138	ppbv #	33
71) 2-Chlorotoluene	14.941	91	145506	0.483	ppbv #	45
72) 4-Ethyltoluene	15.224	105	125042	0.407	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.378	105	260798	0.925	ppbv	96
74) 1,2,4-Trimethylbenzene	16.137	105	753953	2.325	ppbv #	70

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Quant Time: May 17 05:17:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

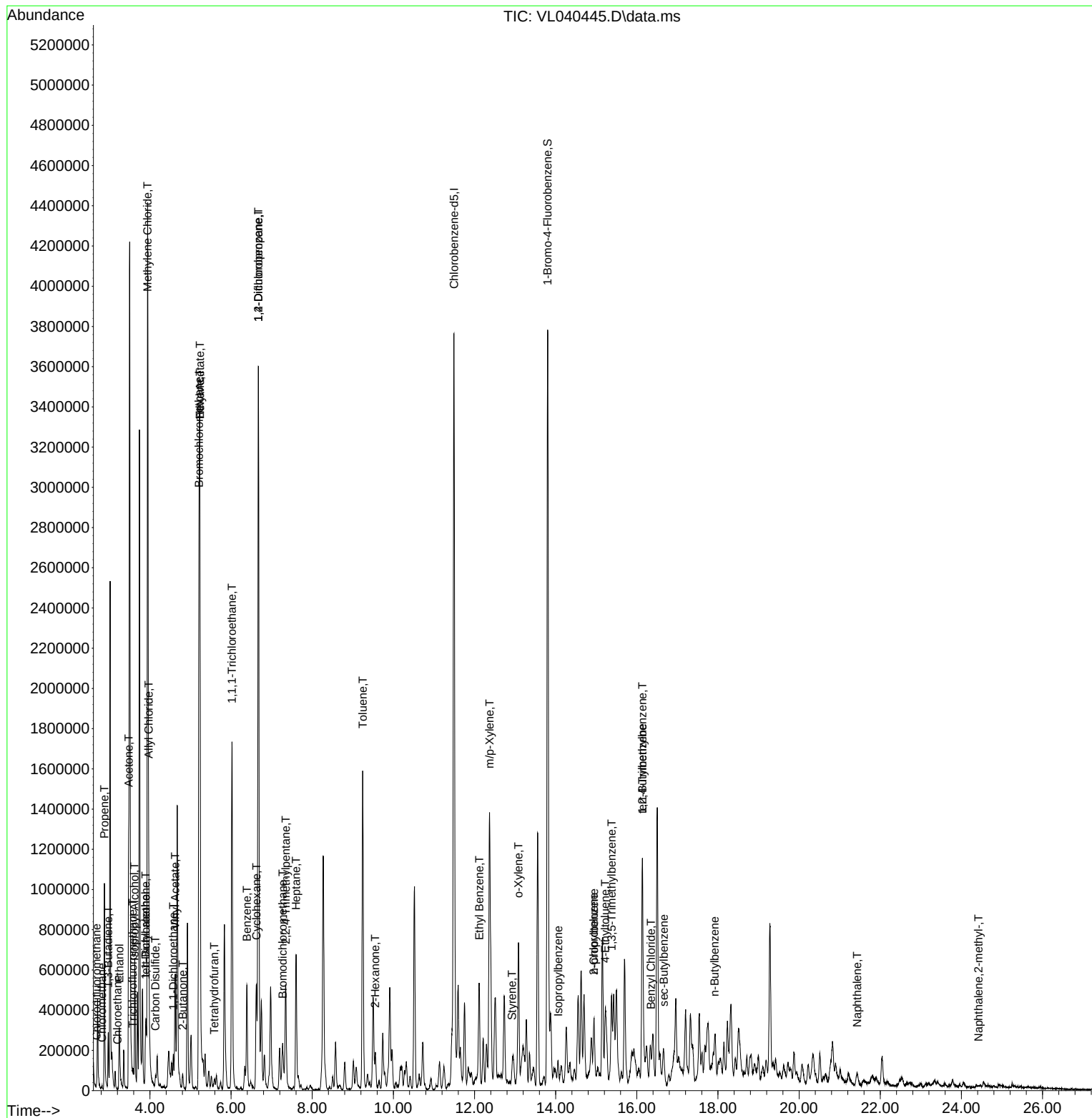
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.429	128	7547	0.038	ppbv #	79
80) Naphthalene,2-methyl-	24.426	142	1859	0.033	ppbv #	56

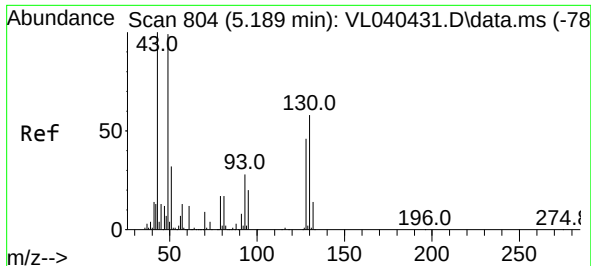
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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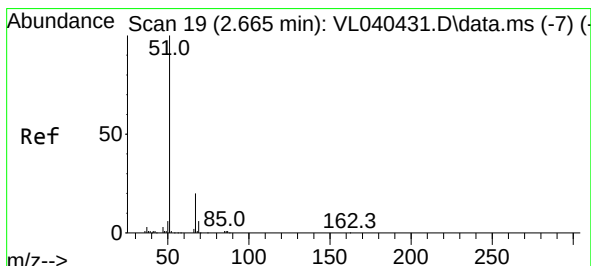
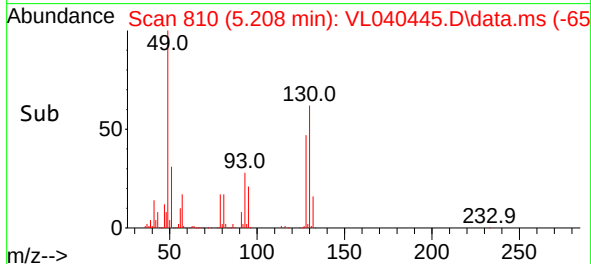
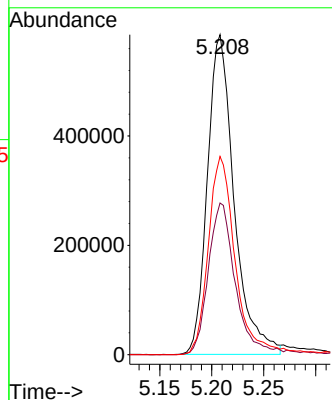
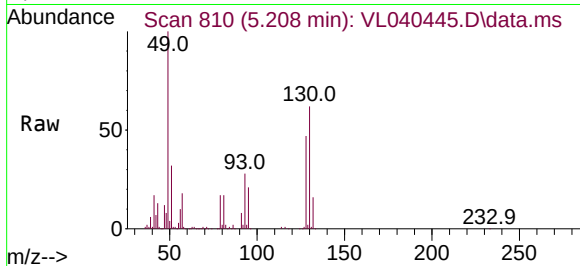




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

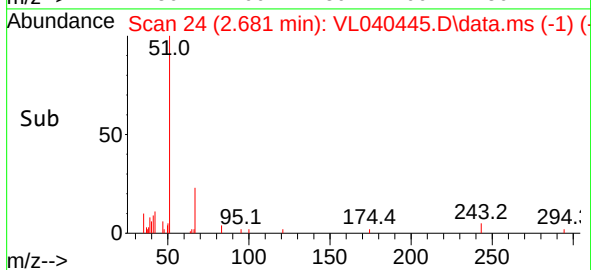
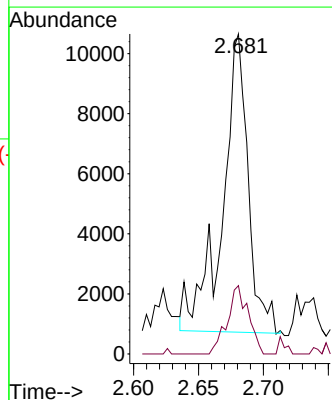
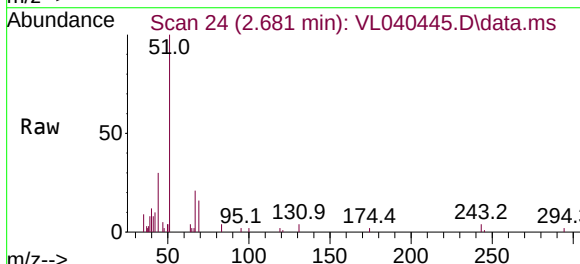
Instrument :
MSVOA_L
ClientSampleId :
SG-4

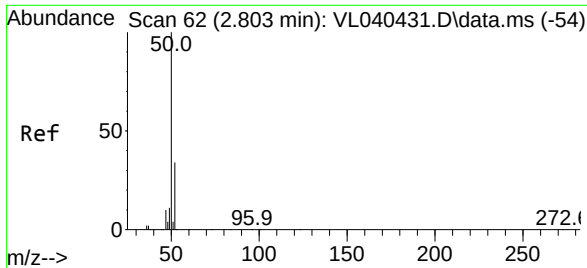
Tgt Ion: 49 Resp: 1047541
Ion Ratio Lower Upper
49 100
128 49.1 24.3 72.8
130 64.2 30.2 90.6



#3
Chlorodifluoromethane
Concen: 0.102 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 51 Resp: 13751
Ion Ratio Lower Upper
51 100
67 20.1 15.8 23.6

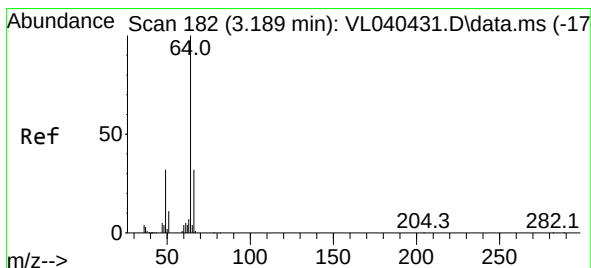
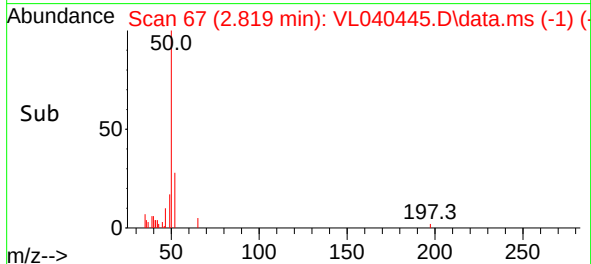
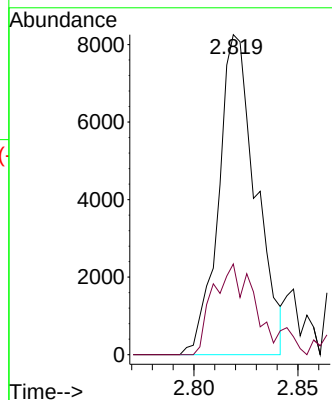
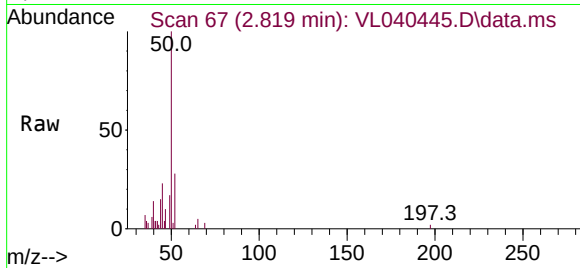




#4
Chloromethane
Concen: 0.122 ppbv
RT: 2.819 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

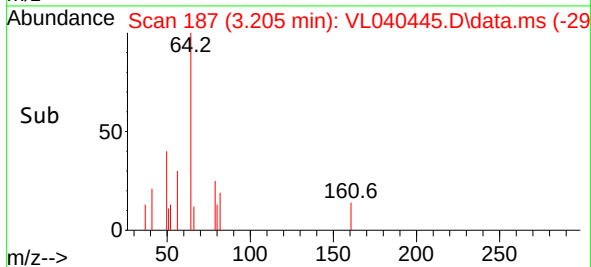
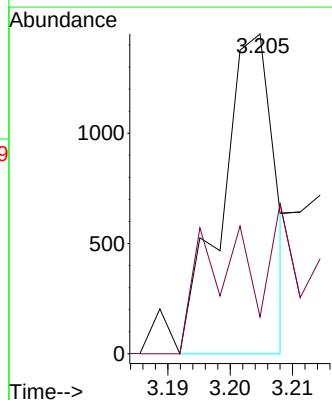
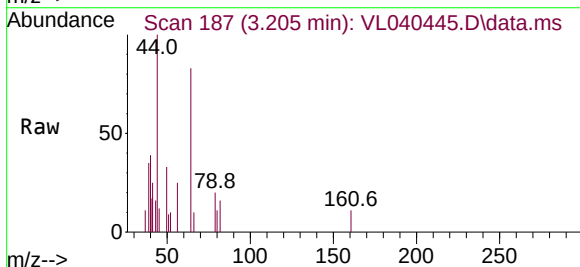
Instrument :
MSVOA_L
ClientSampleId :
SG-4

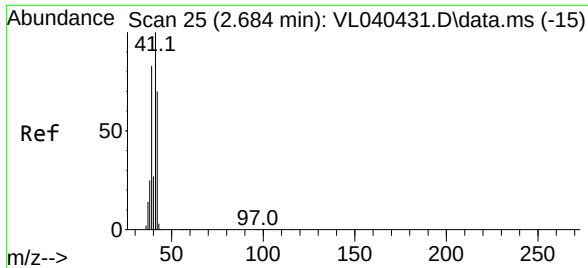
Tgt Ion: 50 Resp: 10291
Ion Ratio Lower Upper
50 100
52 28.3 27.6 41.4



#7
Chloroethane
Concen: 0.033 ppbv
RT: 3.205 min Scan# 187
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 64 Resp: 860
Ion Ratio Lower Upper
64 100
66 11.5 25.8 38.8#





#9

Propene

Concen: 4.849 ppbv

RT: 2.877 min Scan# 81

Delta R.T. 0.183 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

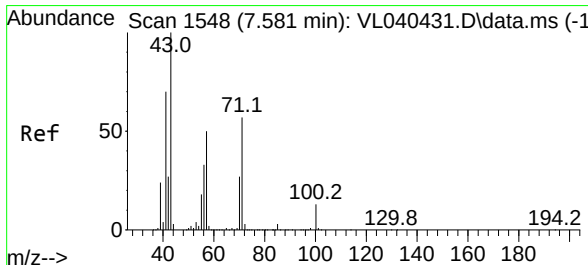
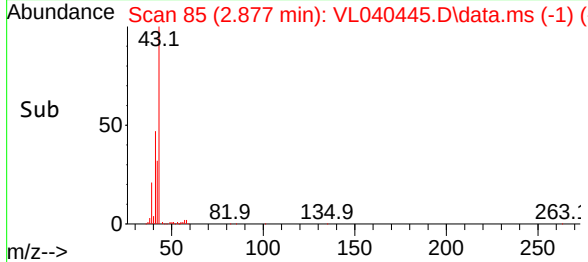
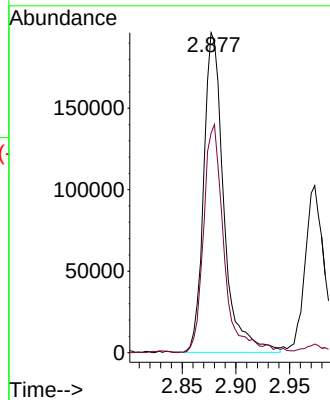
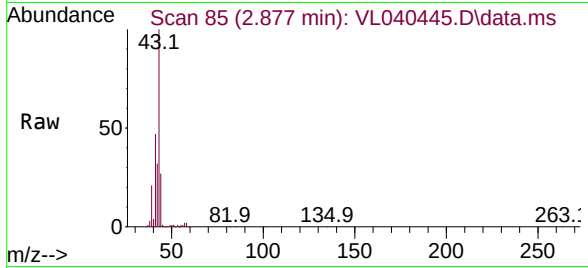
SG-4

Tgt Ion: 41 Resp: 255225

Ion Ratio Lower Upper

41 100

42 72.5 56.6 84.8



#10

Heptane

Concen: 2.382 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.007 min

Lab File: VL040445.D

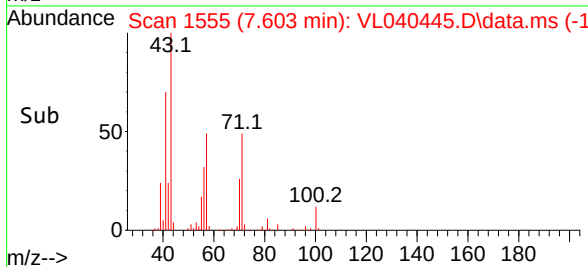
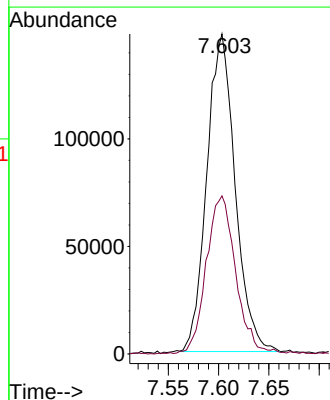
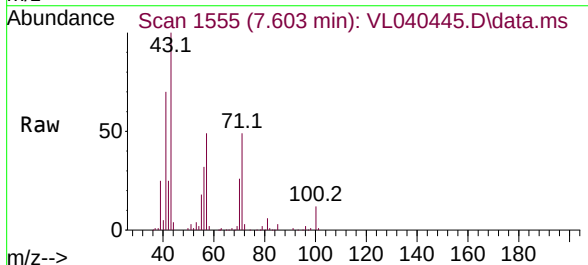
Acq: 16 May 2023 19:48

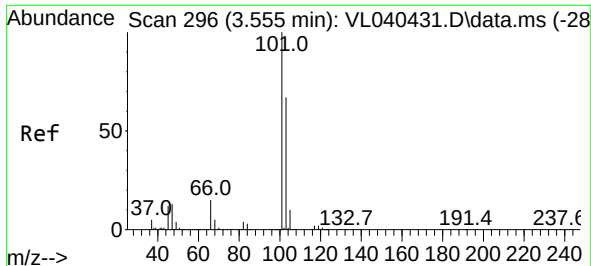
Tgt Ion: 43 Resp: 289645

Ion Ratio Lower Upper

43 100

57 52.2 42.2 63.2

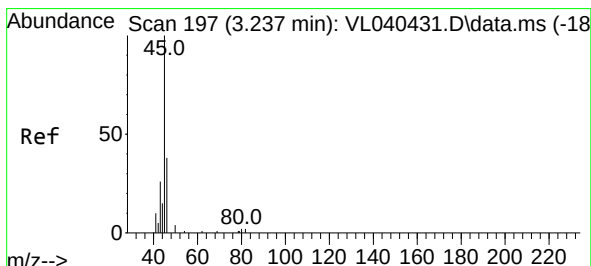
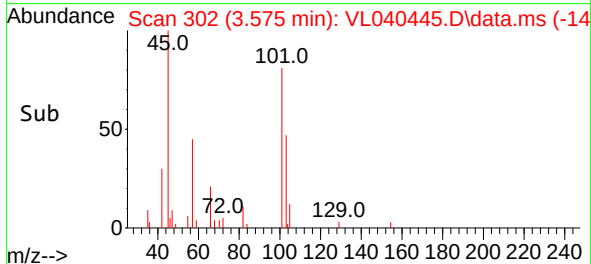
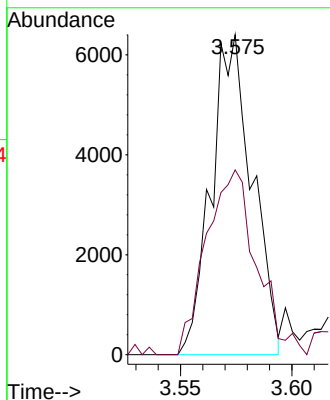
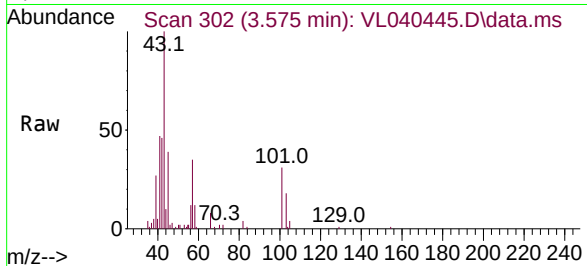




#11
 Trichlorofluoromethane
 Concen: 0.044 ppbv
 RT: 3.575 min Scan# 302
 Delta R.T. 0.007 min
 Lab File: VL040445.D
 Acq: 16 May 2023 19:48

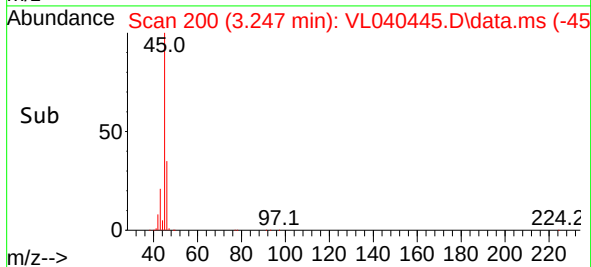
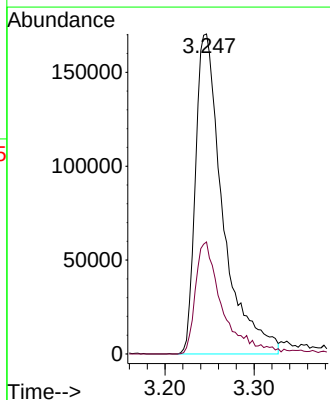
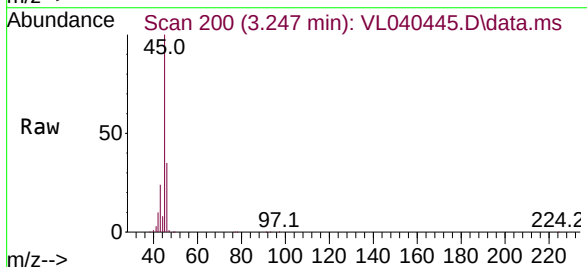
Instrument :
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 ClientSampleId :
 SG-4

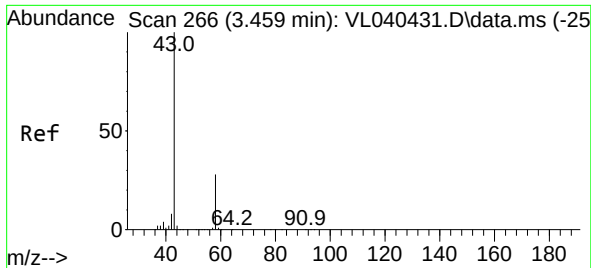
Tgt Ion:101 Resp: 8214
 Ion Ratio Lower Upper
 101 100
 103 57.8 53.3 79.9



#13
 Ethanol
 Concen: 91.231 ppbv
 RT: 3.247 min Scan# 200
 Delta R.T. -0.003 min
 Lab File: VL040445.D
 Acq: 16 May 2023 19:48

Tgt Ion: 45 Resp: 363891
 Ion Ratio Lower Upper
 45 100
 46 34.6 13.2 52.8





#15

Acetone

Concen: 7.023 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

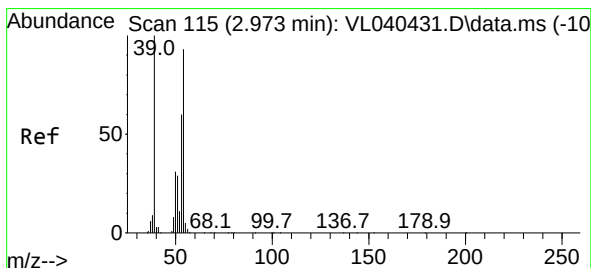
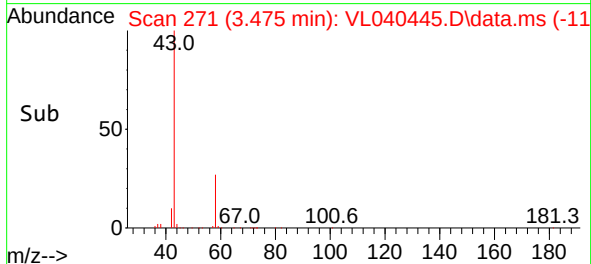
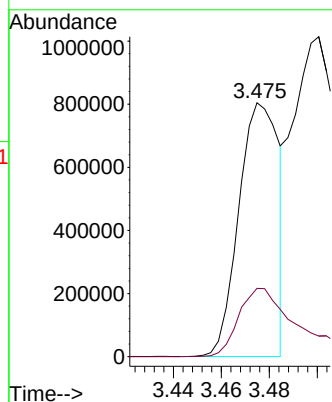
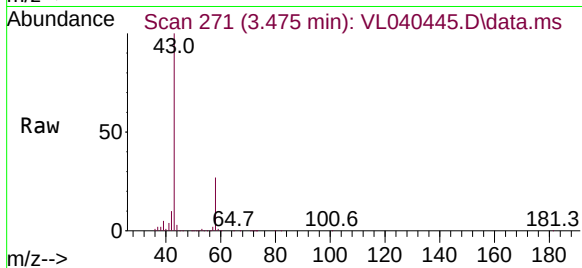
SG-4

Tgt Ion: 43 Resp: 930692

Ion Ratio Lower Upper

43 100

58 43.6 22.2 33.4#



#16

1,3-Butadiene

Concen: 1.081 ppbv

RT: 2.973 min Scan# 115

Delta R.T. -0.013 min

Lab File: VL040445.D

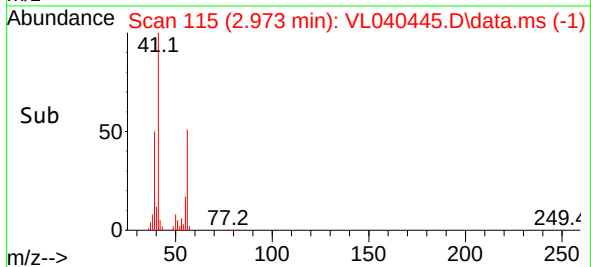
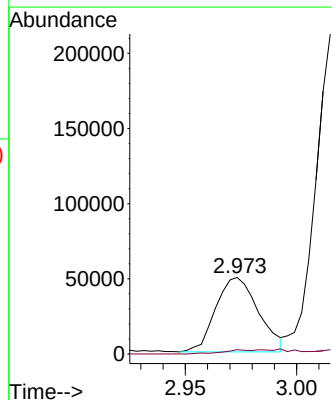
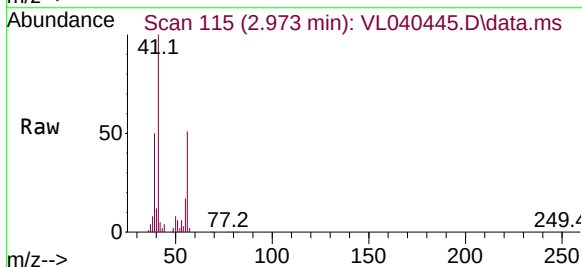
Acq: 16 May 2023 19:48

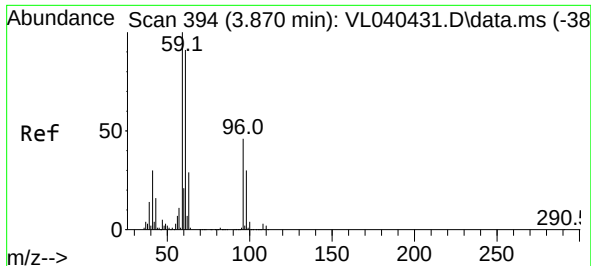
Tgt Ion: 39 Resp: 65763

Ion Ratio Lower Upper

39 100

54 8.9 68.9 103.3#





#17

tert-Butyl alcohol

Concen: 0.277 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.016 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

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ClientSampleId :

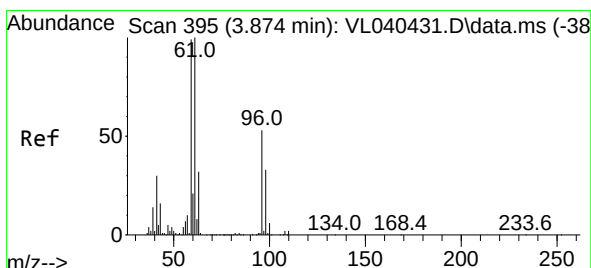
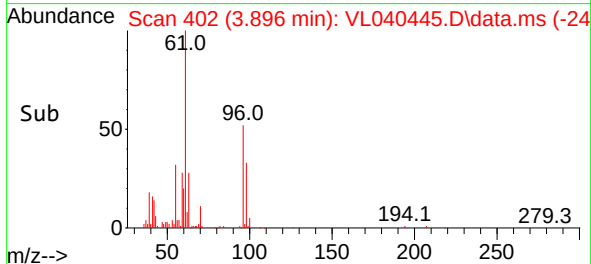
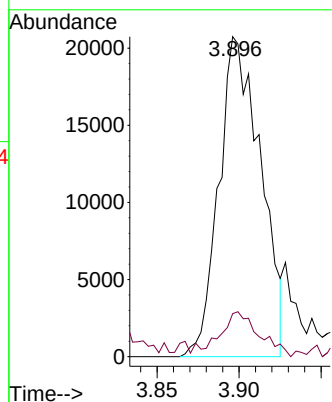
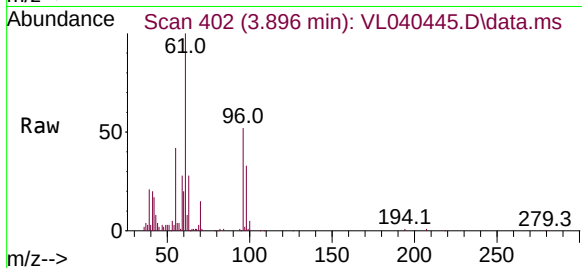
SG-4

Tgt Ion: 59 Resp: 36705

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 1.059 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.007 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

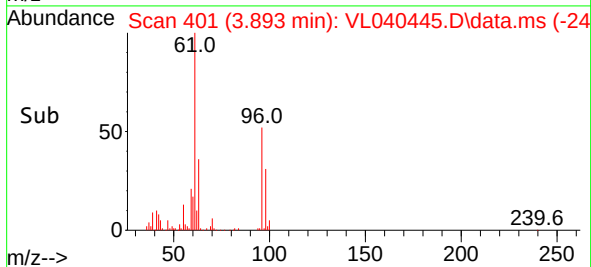
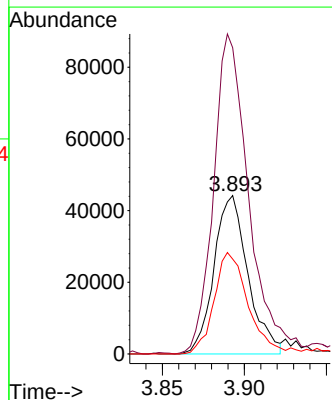
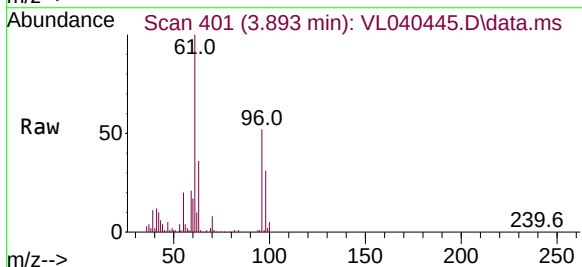
Tgt Ion: 96 Resp: 63590

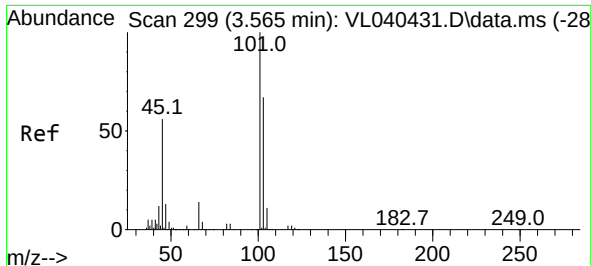
Ion Ratio Lower Upper

96 100

61 192.6 151.8 227.8

98 59.9 50.5 75.7





#19

Isopropyl Alcohol

Concen: 0.121 ppbv

RT: 3.620 min Scan# 316

Delta R.T. 0.042 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

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ClientSampleId :

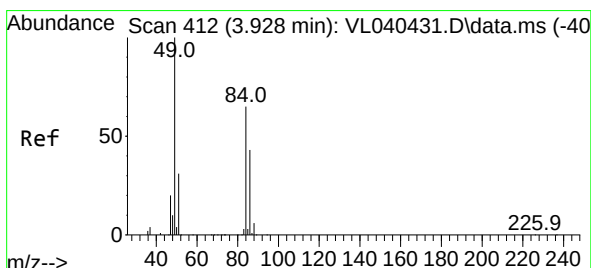
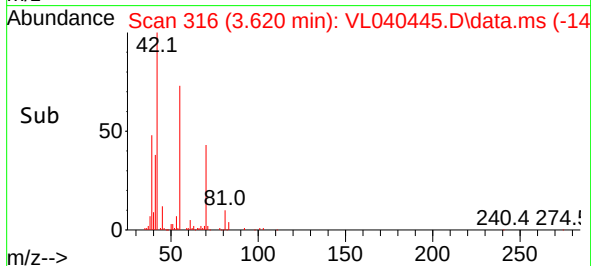
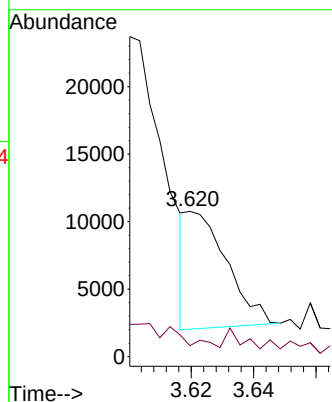
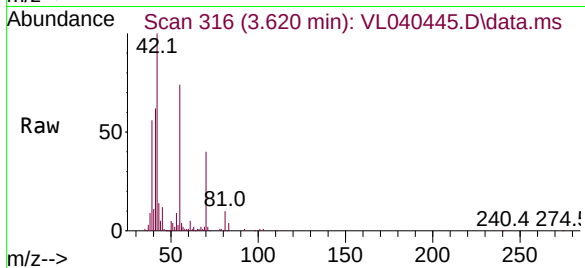
SG-4

Tgt Ion: 45 Resp: 7837

Ion Ratio Lower Upper

45 100

58 0.0 2.1 3.1#



#20

Methylene Chloride

Concen: 24.965 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.007 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Tgt Ion: 84 Resp: 1473775

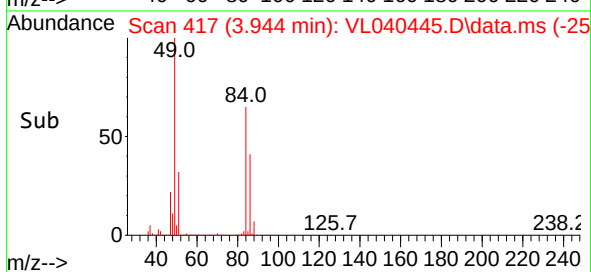
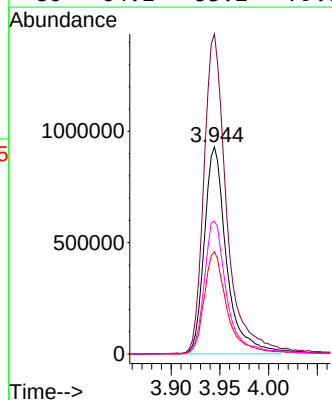
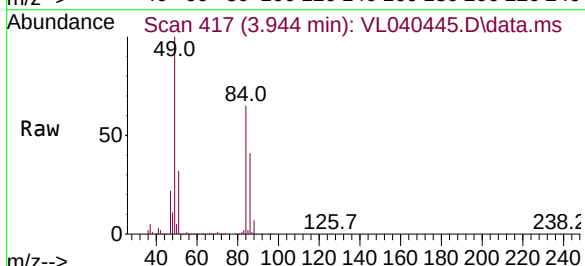
Ion Ratio Lower Upper

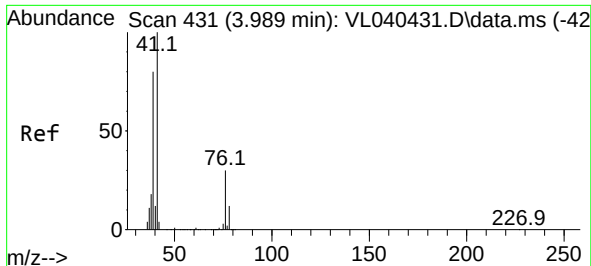
84 100

49 154.5 123.7 185.5

51 49.1 38.6 57.8

86 64.1 53.2 79.8





#21

Allyl Chloride

Concen: 1.294 ppbv

RT: 3.967 min Scan# 41

Delta R.T. -0.035 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4

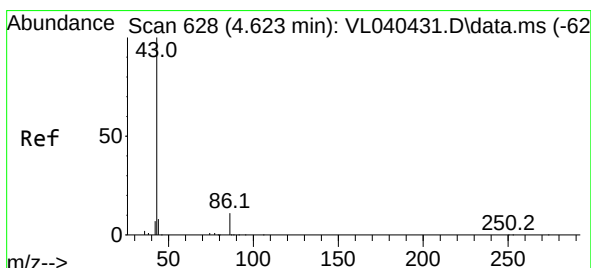
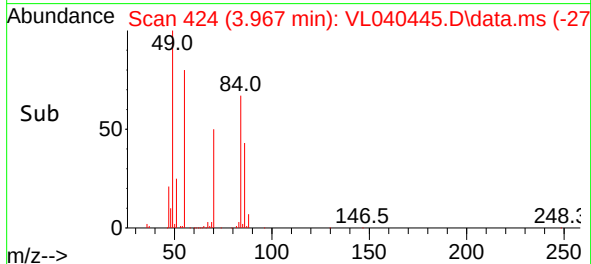
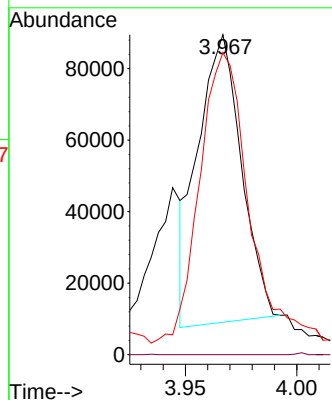
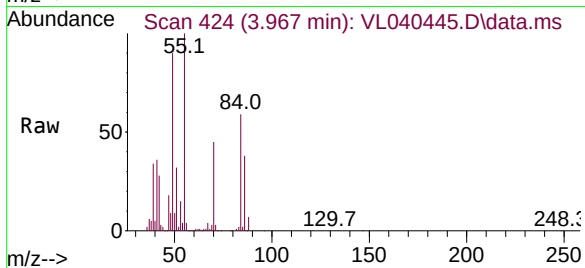
Tgt Ion: 41 Resp: 109615

Ion Ratio Lower Upper

41 100

76 0.0 25.3 37.9#

39 133.8 63.5 95.3#



#23

Vinyl Acetate

Concen: 4.239 ppbv

RT: 4.623 min Scan# 628

Delta R.T. -0.013 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Tgt Ion: 43 Resp: 155262

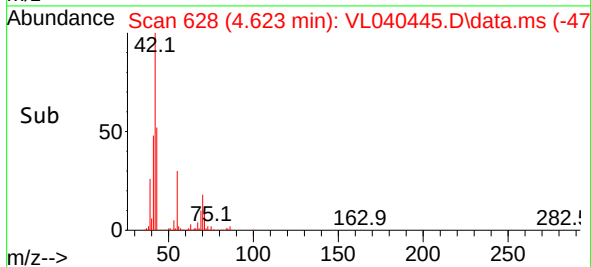
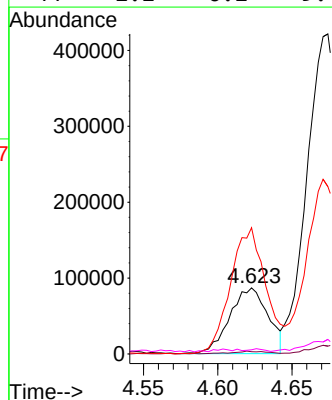
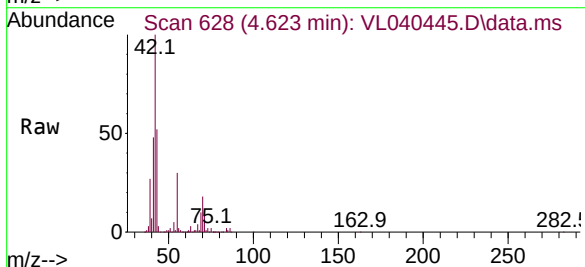
Ion Ratio Lower Upper

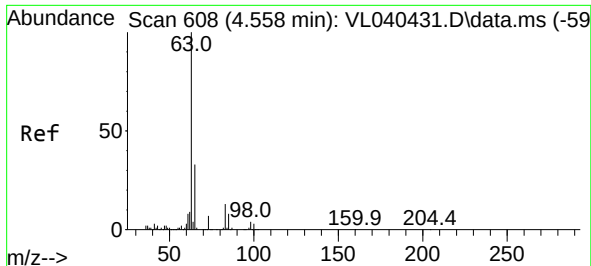
43 100

86 2.3 5.4 8.2#

42 191.5 7.8 11.6#

44 2.2 6.2 9.4#

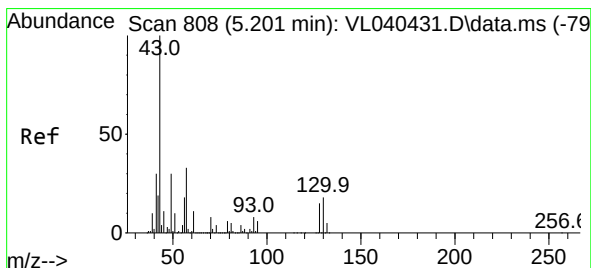
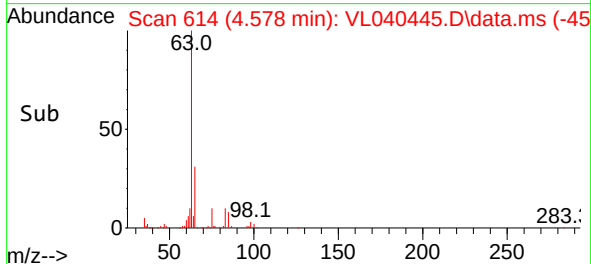
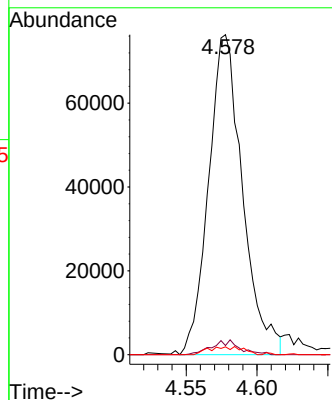
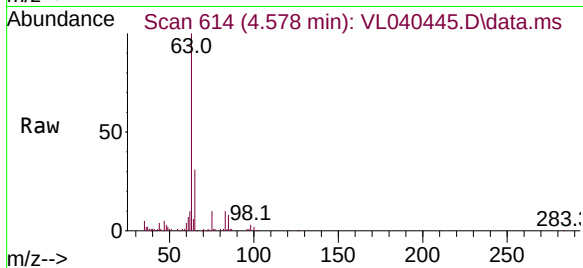




#24
1,1-Dichloroethane
Concen: 1.012 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

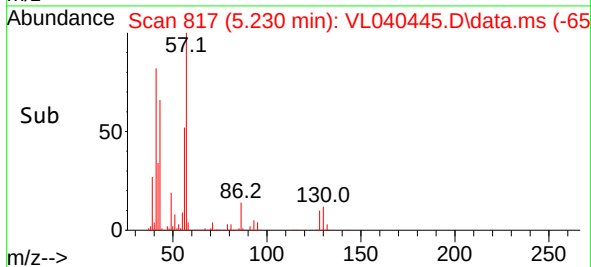
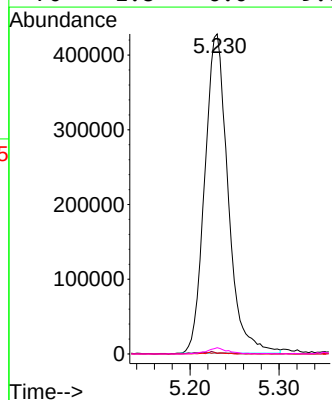
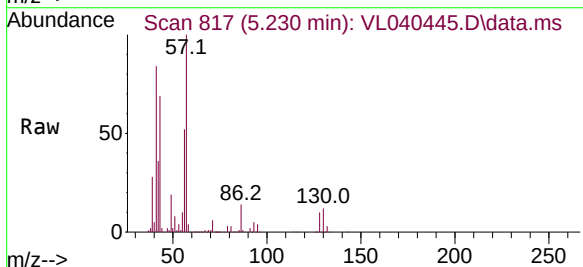
Instrument :
MSVOA_L
ClientSampleId :
SG-4

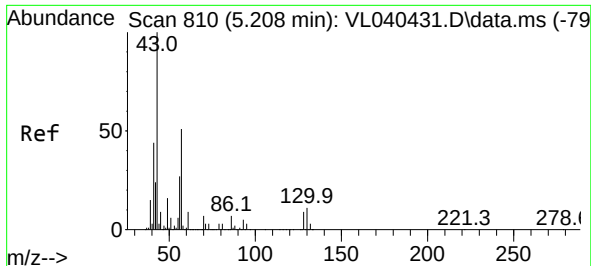
Tgt Ion: 63 Resp: 126855
Ion Ratio Lower Upper
63 100
98 2.9 2.0 5.8
100 2.5 1.4 4.2



#25
Ethyl Acetate
Concen: 3.104 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.016 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 43 Resp: 774619
Ion Ratio Lower Upper
43 100
45 0.7 8.6 13.0#
61 0.4 8.6 12.8#
70 1.8 6.0 9.0#



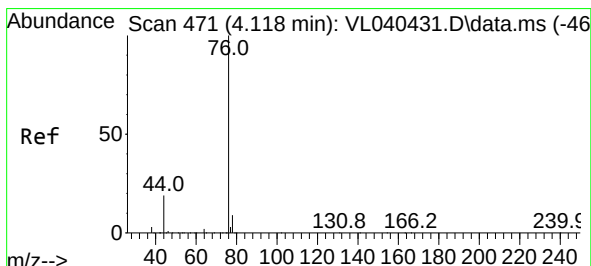
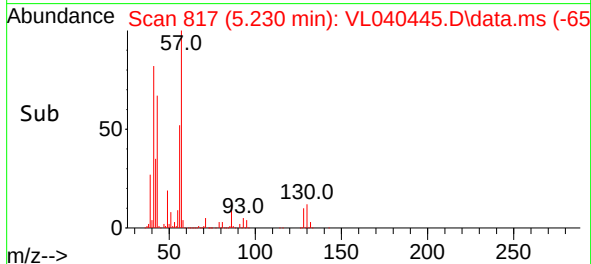
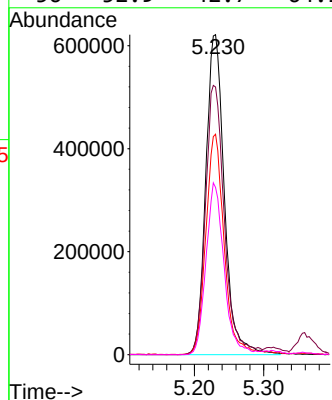
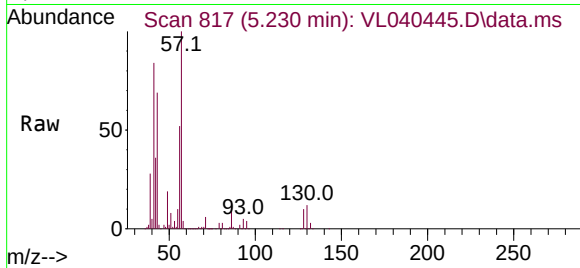


#26
Hexane
Concen: 11.142 ppbv
RT: 5.230 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 57 Resp: 1152782

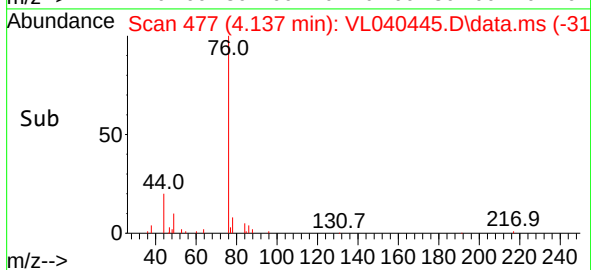
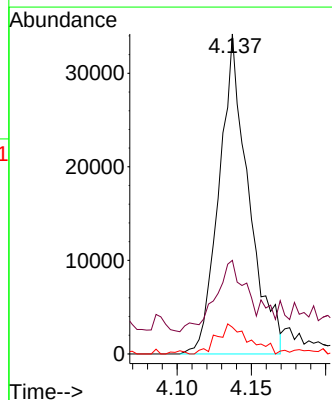
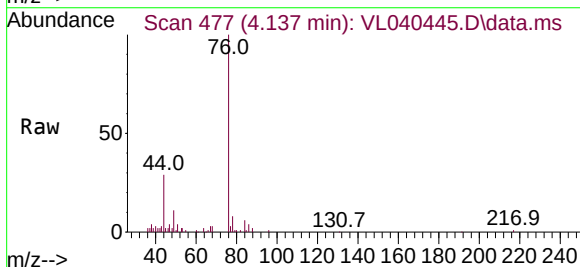
Ion	Ratio	Lower	Upper
57	100		
41	86.0	75.1	112.7
43	68.6	194.4	291.6#
56	52.9	42.7	64.1

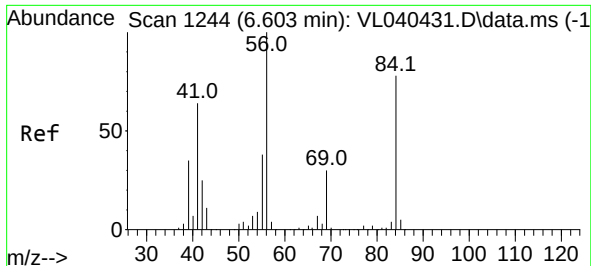


#27
Carbon Disulfide
Concen: 0.347 ppbv
RT: 4.137 min Scan# 477
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 76 Resp: 47242

Ion	Ratio	Lower	Upper
76	100		
44	29.1	15.3	22.9#
78	11.5	7.4	11.2#

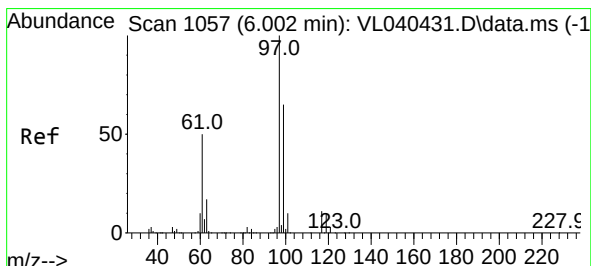
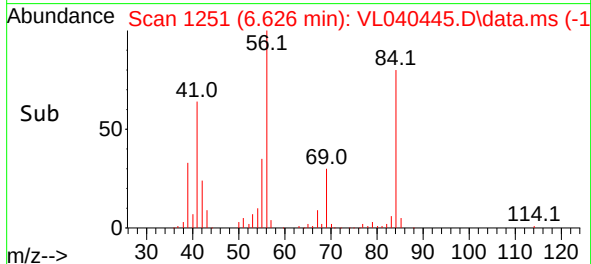
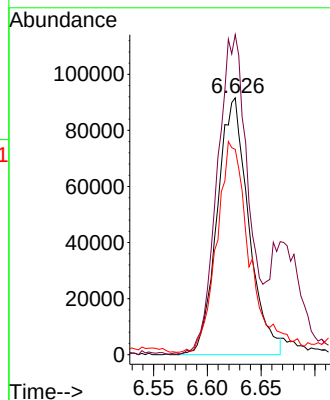
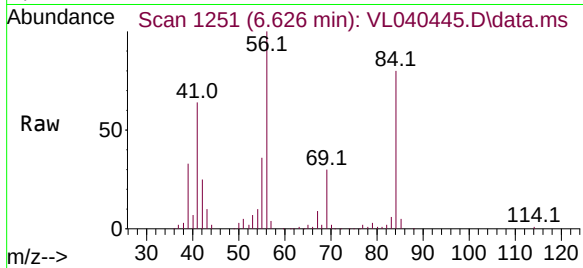




#30
Cyclohexane
Concen: 2.215 ppbv
RT: 6.626 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

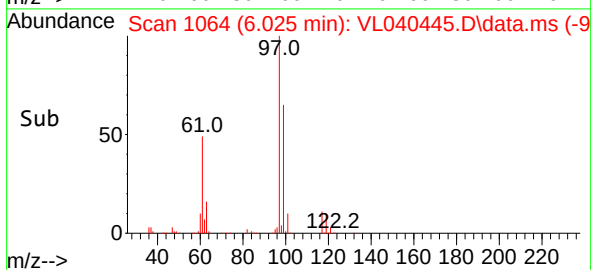
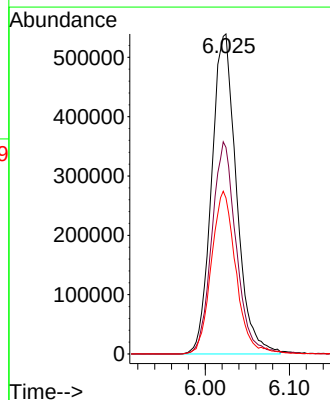
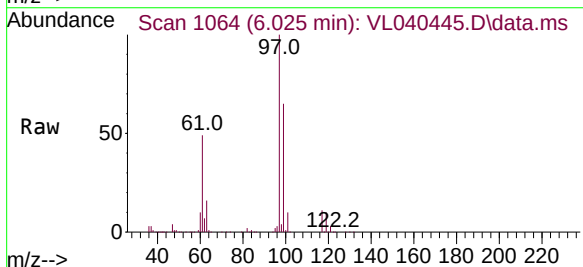
Instrument :
MSVOA_L
ClientSampleId :
SG-4

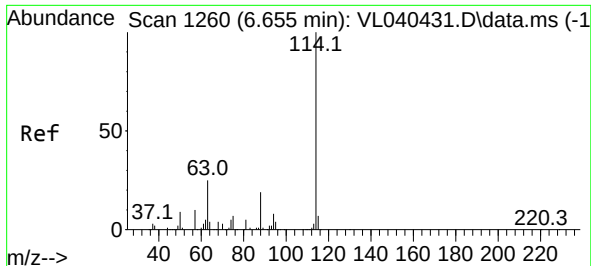
Tgt Ion: 84 Resp: 186388
Ion Ratio Lower Upper
84 100
56 121.5 108.2 162.4
41 86.2 66.9 100.3



#32
1,1,1-Trichloroethane
Concen: 5.637 ppbv
RT: 6.025 min Scan# 1064
Delta R.T. 0.010 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 97 Resp: 1104704
Ion Ratio Lower Upper
97 100
99 65.2 52.2 78.2
61 50.6 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4

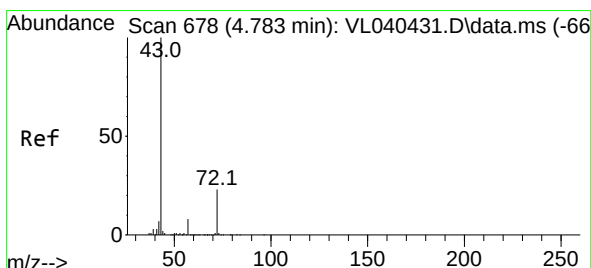
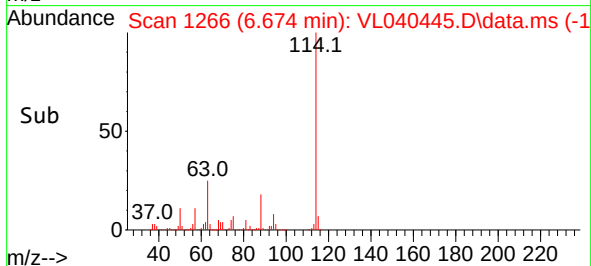
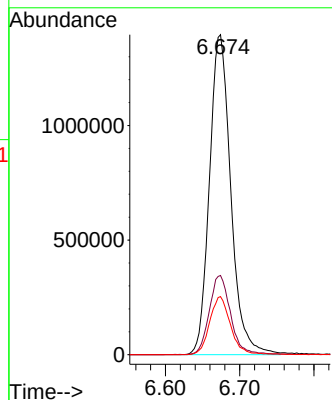
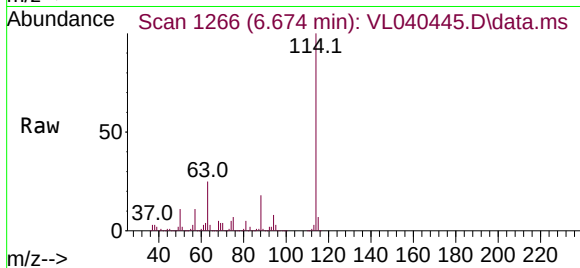
Tgt Ion:114 Resp: 2787081

Ion Ratio Lower Upper

114 100

63 24.9 21.0 31.6

88 17.8 14.6 22.0



#34

2-Butanone

Concen: 0.264 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.013 min

Lab File: VL040445.D

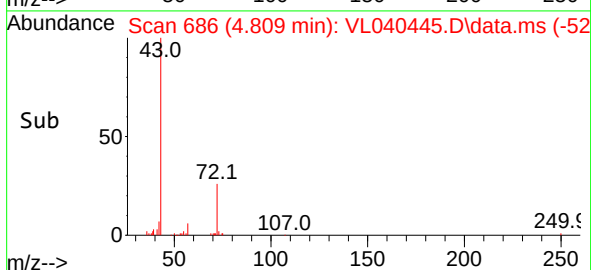
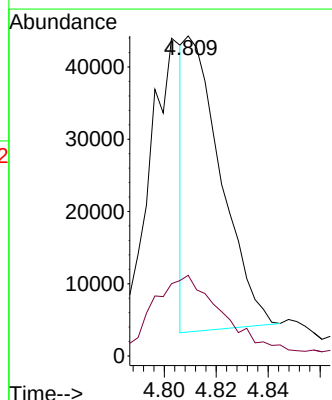
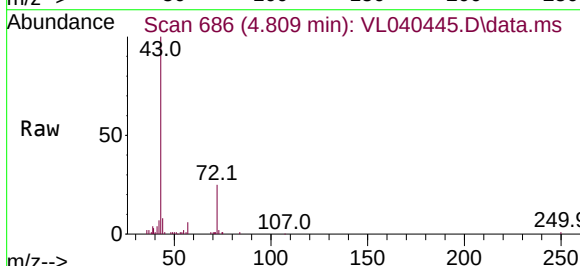
Acq: 16 May 2023 19:48

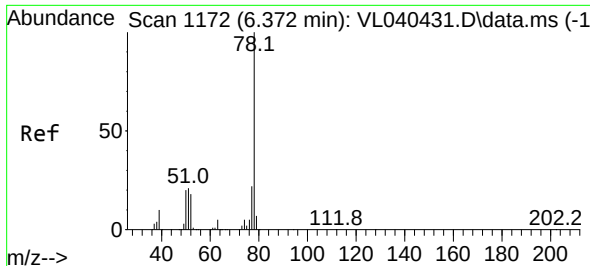
Tgt Ion: 43 Resp: 39155

Ion Ratio Lower Upper

43 100

72 58.8 18.3 27.5#

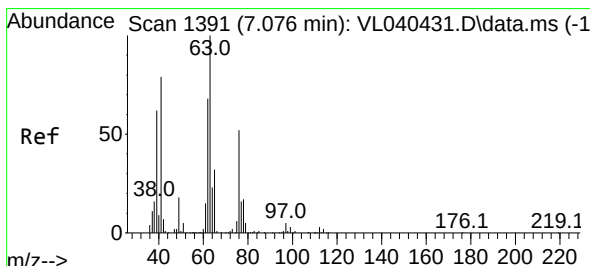
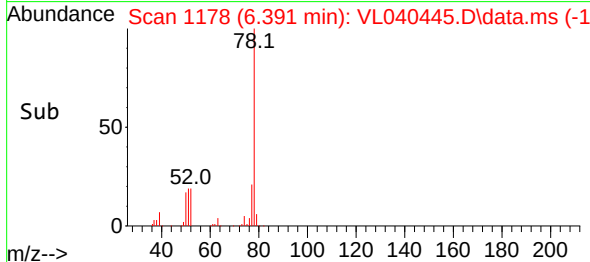
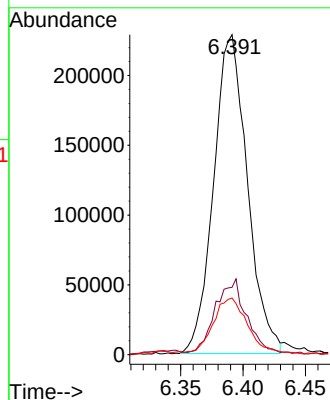
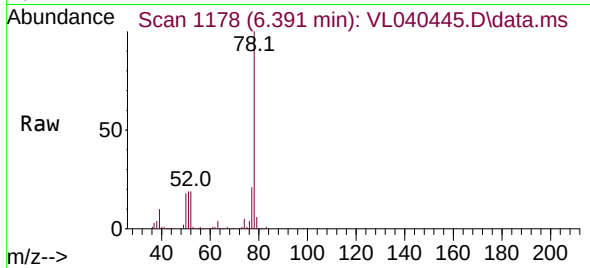




#36
Benzene
Concen: 1.904 ppbv
RT: 6.391 min Scan# 1172
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

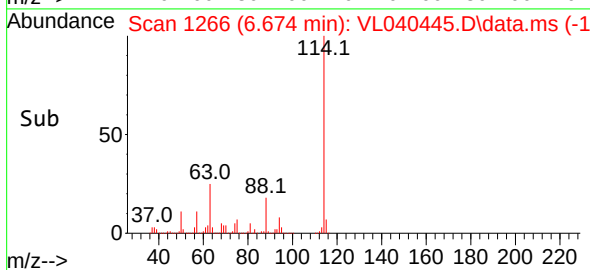
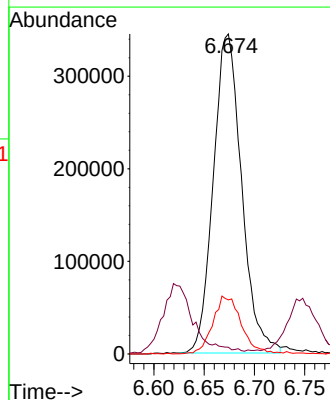
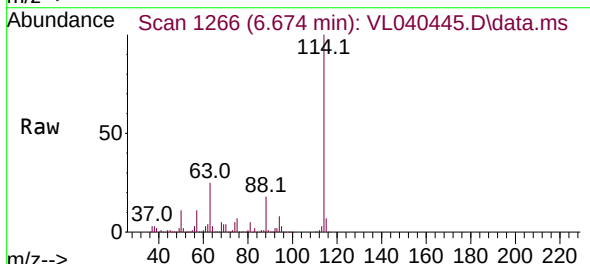
Instrument :
MSVOA_L
ClientSampleId :
SG-4

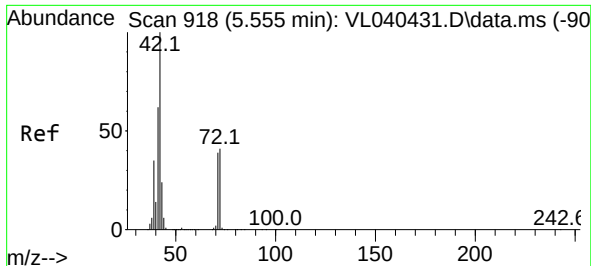
Tgt Ion: 78 Resp: 431044
Ion Ratio Lower Upper
78 100
77 20.4 17.7 26.5
50 16.9 15.8 23.8



#39
1,2-Dichloropropane
Concen: 7.599 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.415 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 63 Resp: 673805
Ion Ratio Lower Upper
63 100
41 0.0 63.3 94.9#
62 16.9 54.2 81.4#

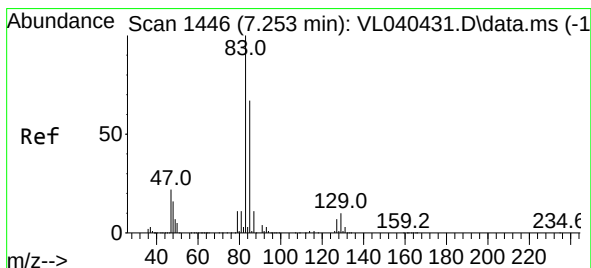
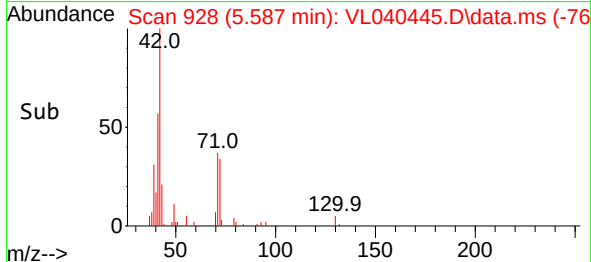
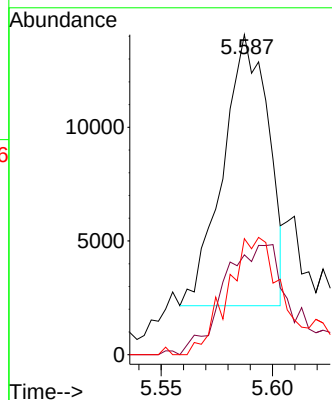
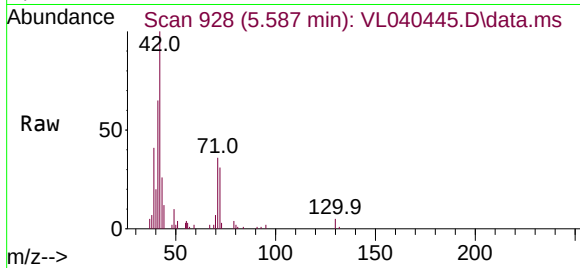




#41
Tetrahydrofuran
Concen: 0.206 ppbv
RT: 5.587 min Scan# 918
Delta R.T. 0.019 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

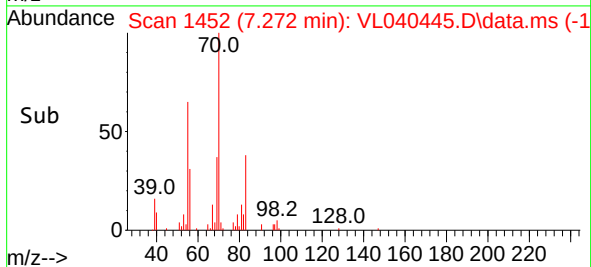
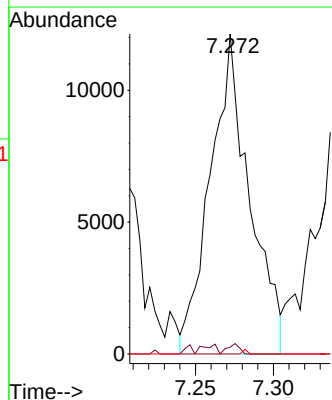
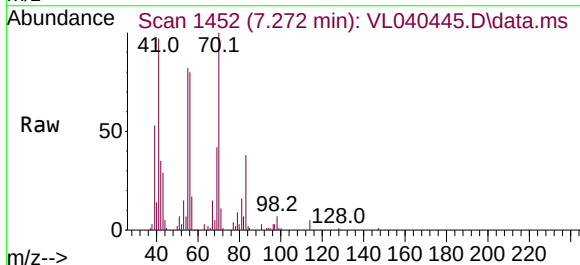
Instrument :
MSVOA_L
ClientSampleId :
SG-4

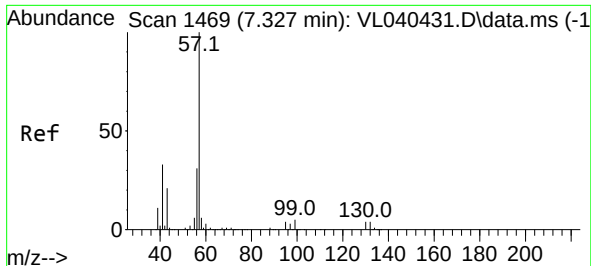
Tgt Ion: 42 Resp: 16952
Ion Ratio Lower Upper
42 100
72 64.7 33.0 49.4#
71 59.2 32.2 48.2#



#42
Bromodichloromethane
Concen: 0.106 ppbv
RT: 7.272 min Scan# 1452
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 83 Resp: 21182
Ion Ratio Lower Upper
83 100
85 2.2 53.6 80.4#
127 0.0 5.9 8.9#





#44

2,2,4-Trimethylpentane

Concen: 0.660 ppbv

RT: 7.349 min Scan# 1469

Delta R.T. 0.007 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4

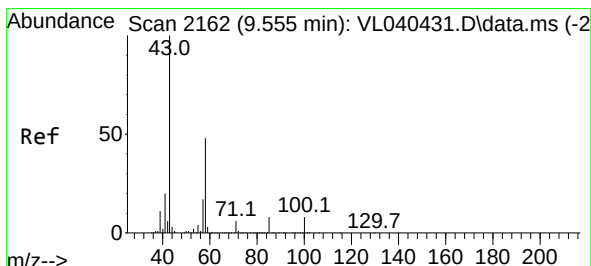
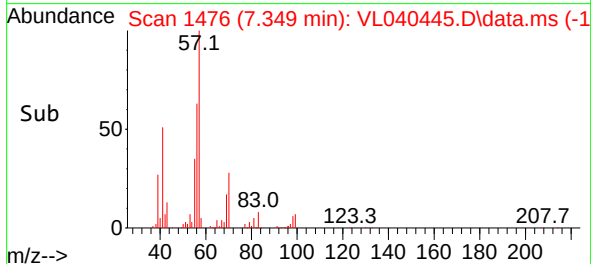
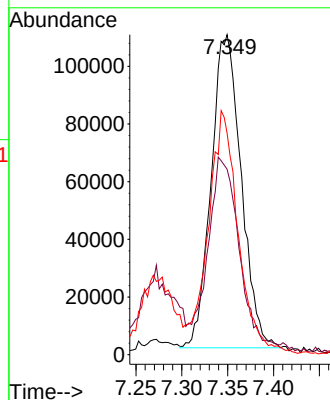
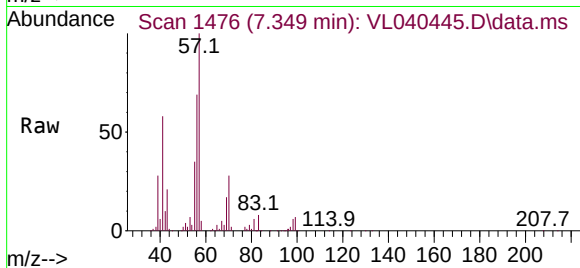
Tgt Ion: 57 Resp: 247360

Ion Ratio Lower Upper

57 100

41 65.6 27.0 40.4#

56 80.0 25.0 37.4#



#51

2-Hexanone

Concen: 0.374 ppbv

RT: 9.555 min Scan# 2162

Delta R.T. -0.013 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

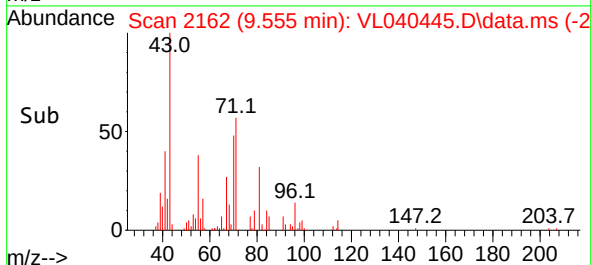
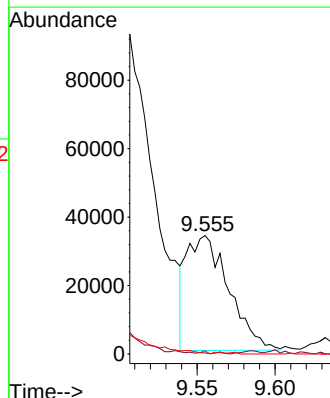
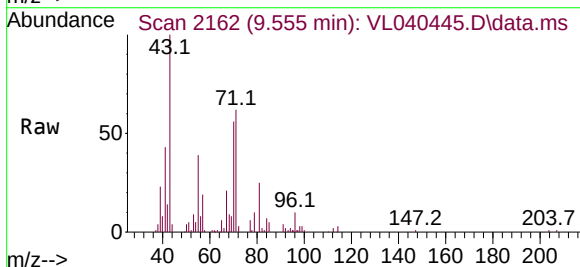
Tgt Ion: 43 Resp: 63182

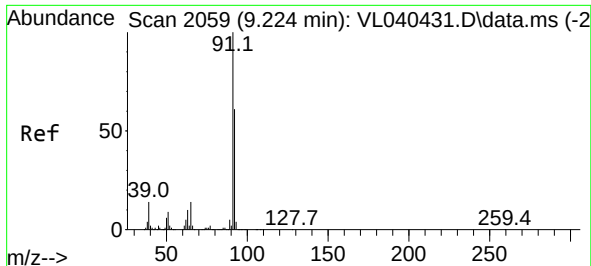
Ion Ratio Lower Upper

43 100

58 0.0 38.5 57.7#

98 0.0 0.2 0.4#

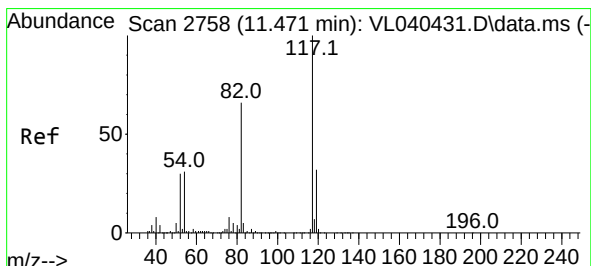
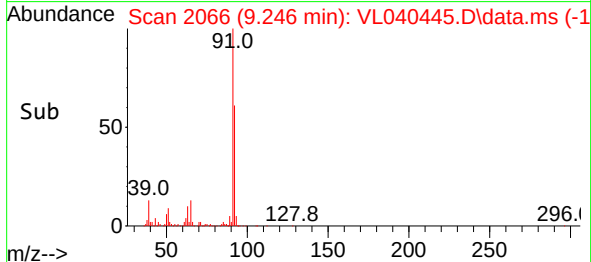
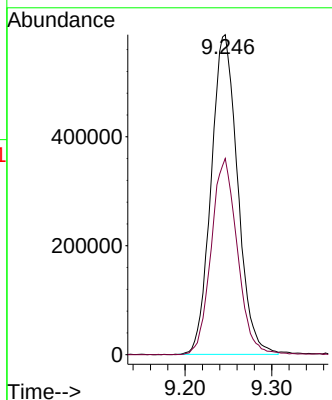
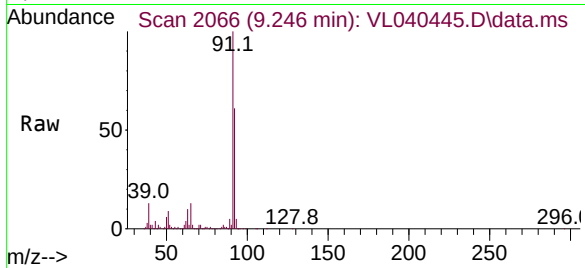




#53
Toluene
Concen: 5.214 ppbv
RT: 9.246 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

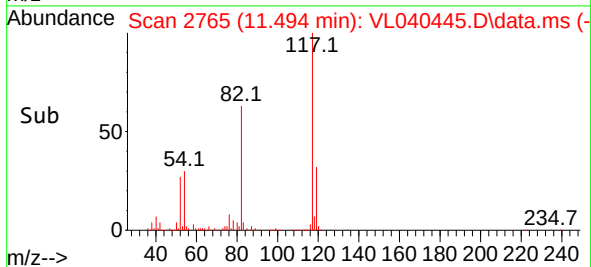
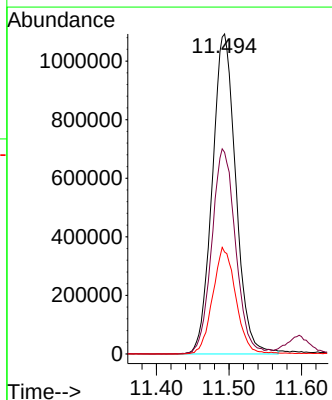
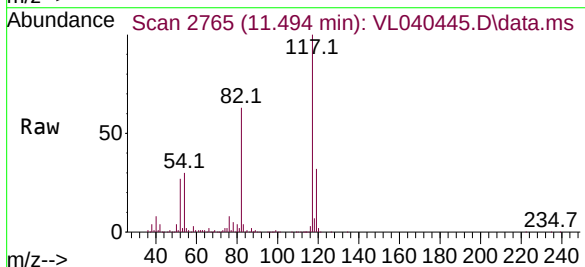
Instrument :
MSVOA_L
ClientSampleId :
SG-4

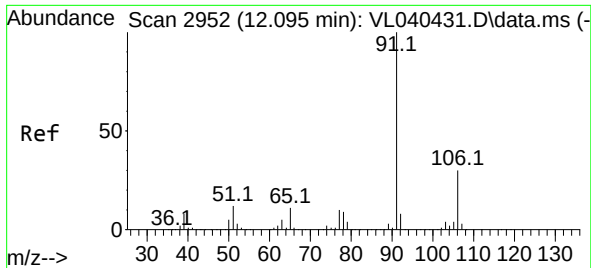
Tgt Ion: 91 Resp: 1246723
Ion Ratio Lower Upper
91 100
92 61.0 49.1 73.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 117 Resp: 2464420
Ion Ratio Lower Upper
117 100
82 65.1 52.5 78.7
119 32.8 24.0 36.0

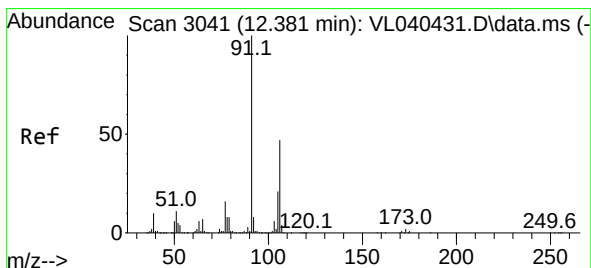
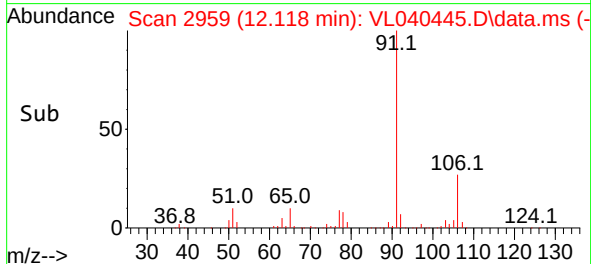
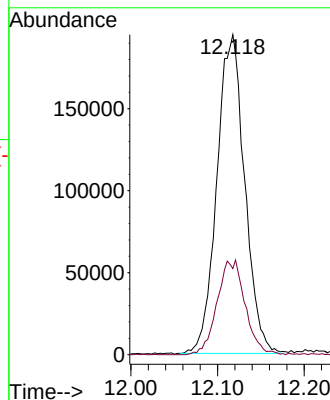
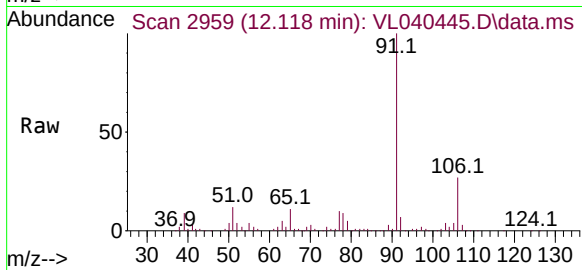




#58
Ethyl Benzene
Concen: 1.388 ppbv
RT: 12.118 min Scan# 2959
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

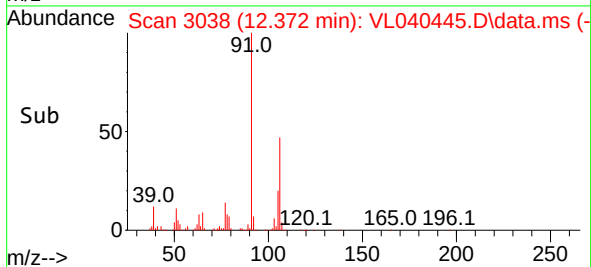
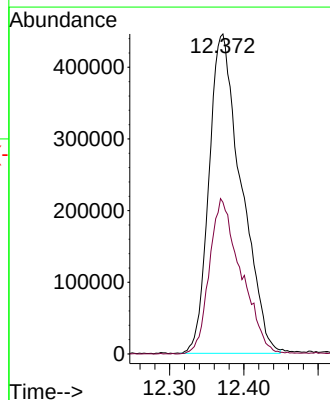
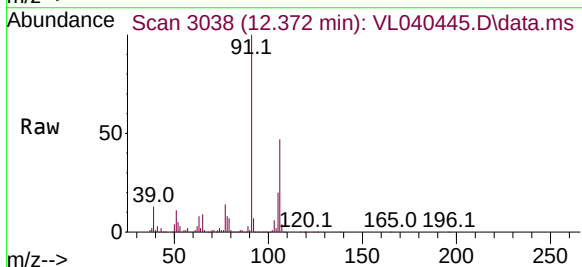
Instrument :
MSVOA_1
ClientSampleId :
SG-4

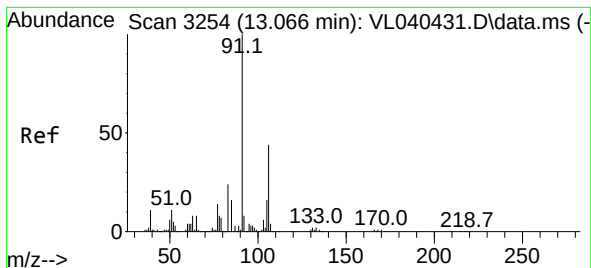
Tgt Ion: 91 Resp: 432940
Ion Ratio Lower Upper
91 100
106 27.0 23.8 35.8



#59
m/p-Xylene
Concen: 4.726 ppbv
RT: 12.372 min Scan# 3038
Delta R.T. -0.026 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 91 Resp: 1344277
Ion Ratio Lower Upper
91 100
106 48.0 34.9 52.3





#60

o-Xylene

Concen: 2.077 ppbv

RT: 13.085 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

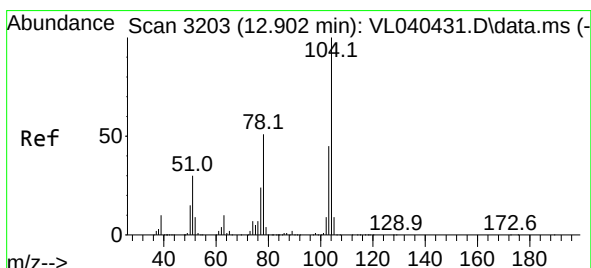
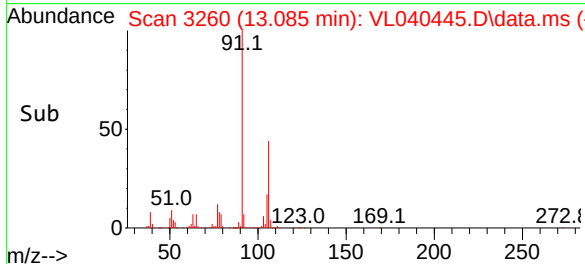
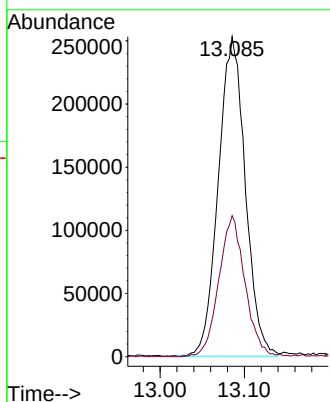
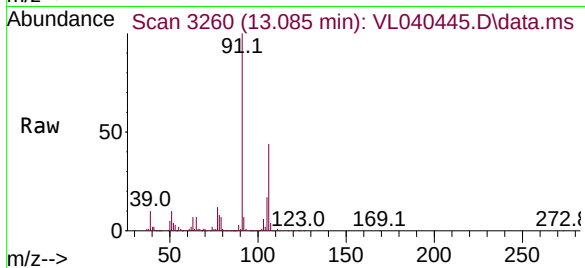
SG-4

Tgt Ion: 91 Resp: 562328

Ion Ratio Lower Upper

91 100

106 42.8 21.8 65.4



#61

Styrene

Concen: 0.051 ppbv

RT: 12.925 min Scan# 3210

Delta R.T. 0.003 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

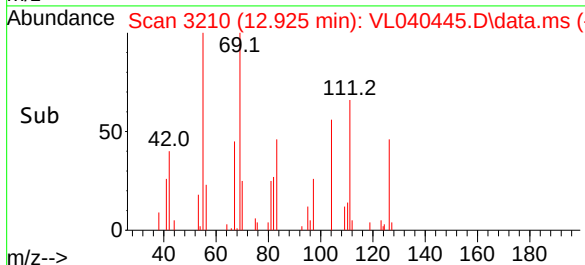
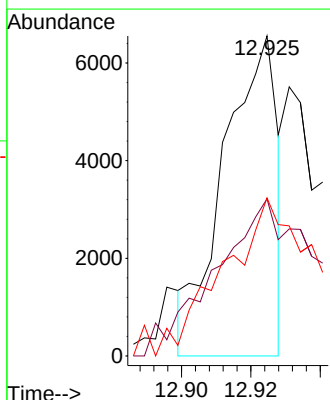
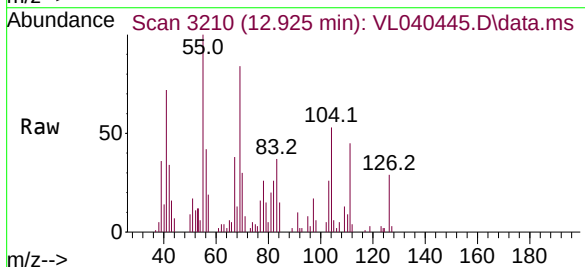
Tgt Ion: 104 Resp: 7006

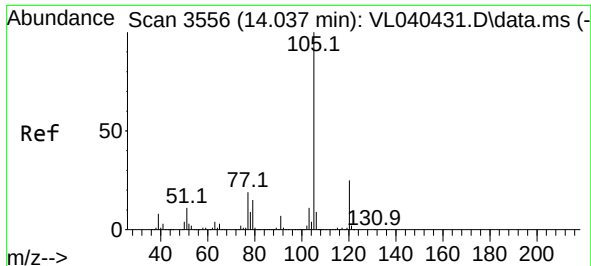
Ion Ratio Lower Upper

104 100

78 120.9 43.3 64.9#

103 98.1 37.4 56.2#

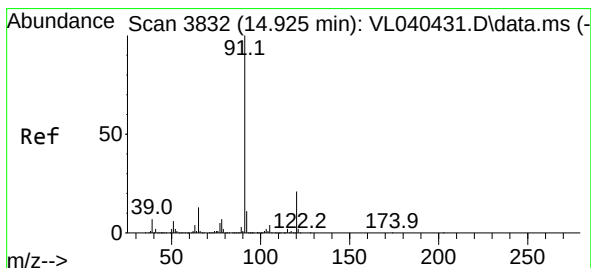
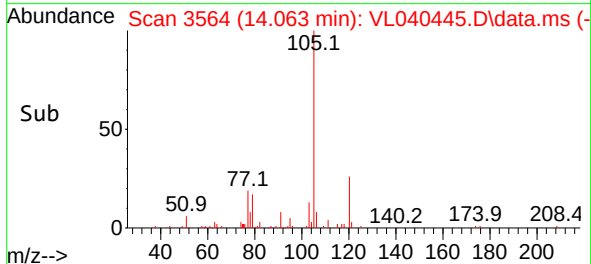
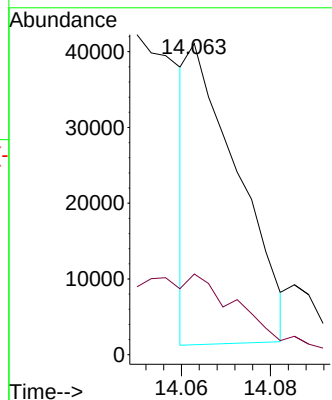
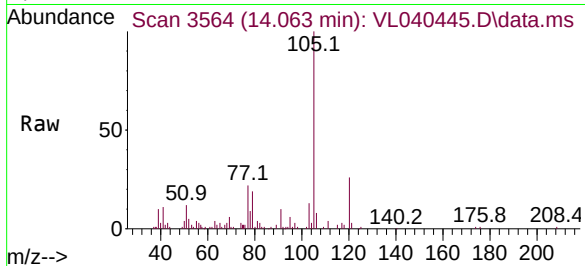




#62
Isopropylbenzene
Concen: 0.078 ppbv
RT: 14.063 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

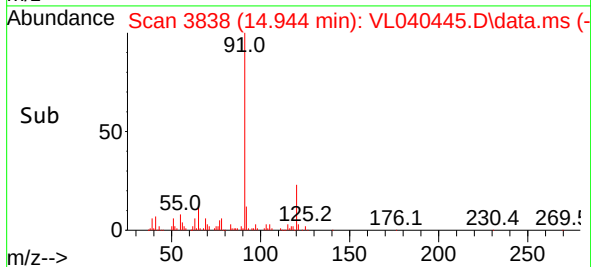
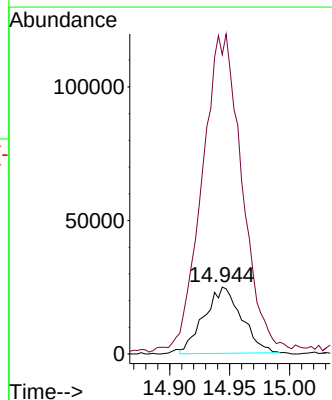
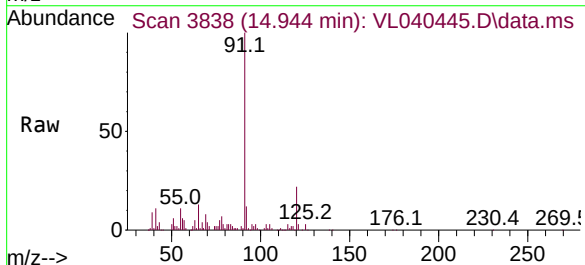
Instrument :
MSVOA_L
ClientSampleId :
SG-4

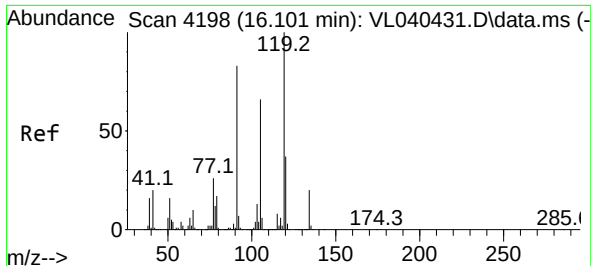
Tgt Ion:105 Resp: 30946
Ion Ratio Lower Upper
105 100
120 77.9 20.0 30.0#



#64
n-propylbenzene
Concen: 0.550 ppbv
RT: 14.944 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion:120 Resp: 53702
Ion Ratio Lower Upper
120 100
91 533.4 393.2 589.8

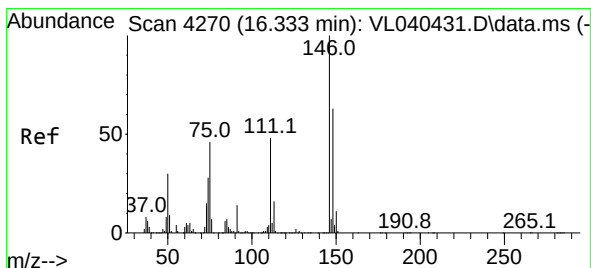
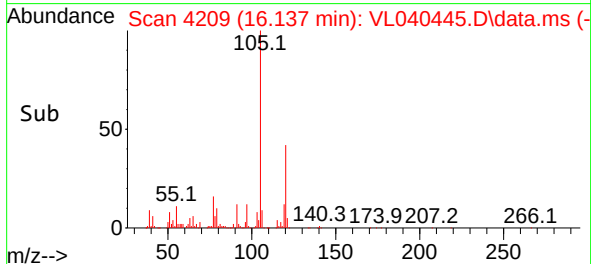
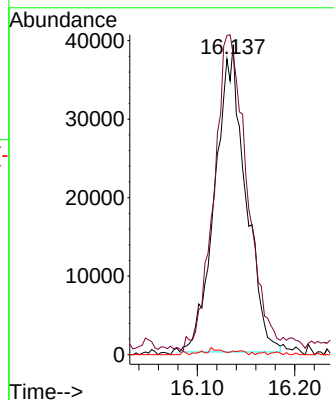
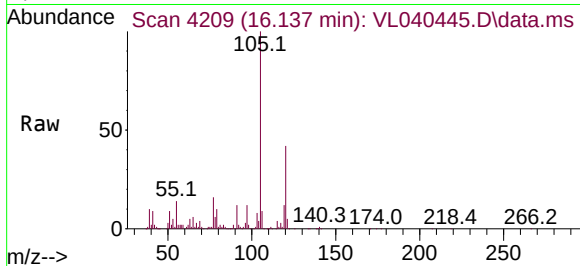




#65
tert-Butylbenzene
Concen: 0.246 ppbv
RT: 16.137 min Scan# 4198
Delta R.T. 0.019 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

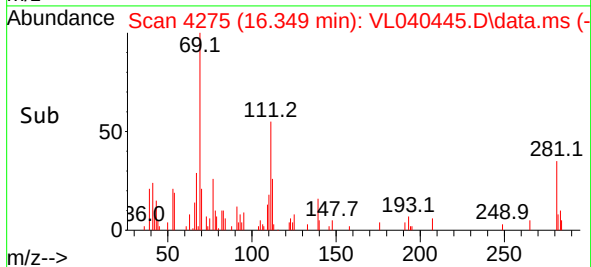
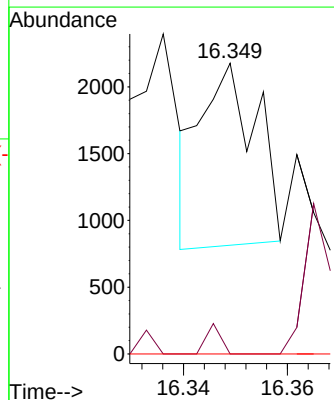
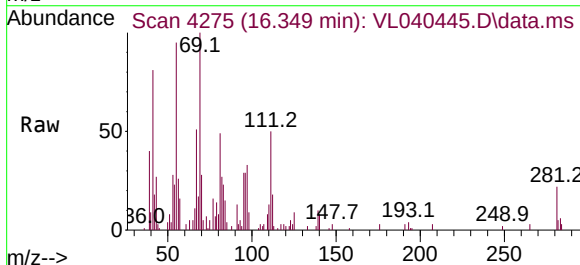
Instrument :
MSVOA_1
ClientSampleId :
SG-4

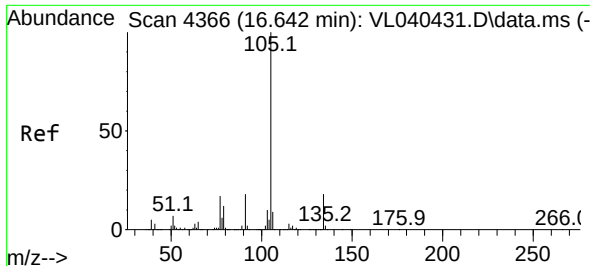
Tgt Ion:119 Resp: 85349
Ion Ratio Lower Upper
119 100
91 113.6 69.8 104.6#
134 2.1 15.4 23.2#



#66
Benzyl Chloride
Concen: 0.049 ppbv
RT: 16.349 min Scan# 4275
Delta R.T. -0.003 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 91 Resp: 1010
Ion Ratio Lower Upper
91 100
126 158.6 12.6 19.0#
128 7.0 3.9 5.9#

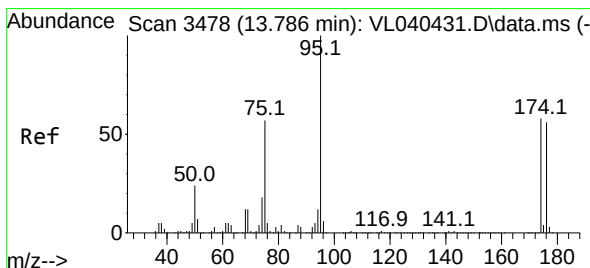
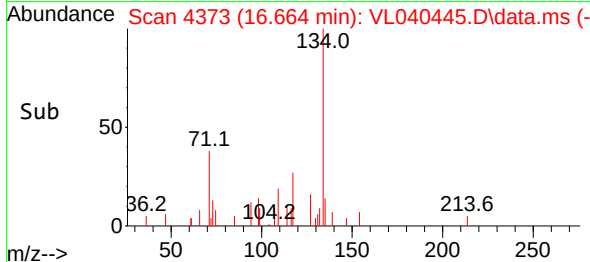
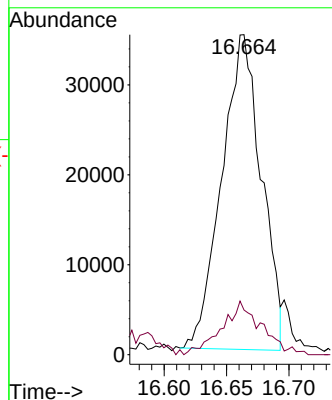
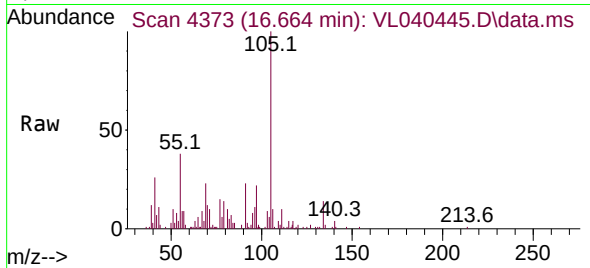




#67
 sec-Butylbenzene
 Concen: 0.155 ppbv
 RT: 16.664 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040445.D
 Acq: 16 May 2023 19:48

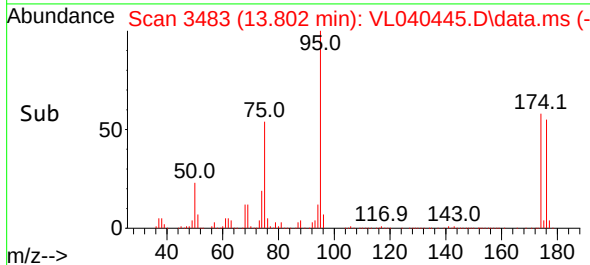
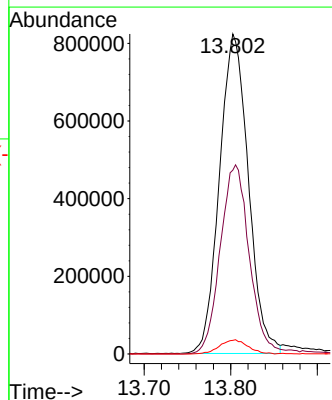
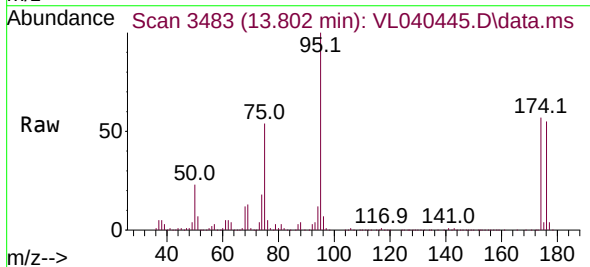
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

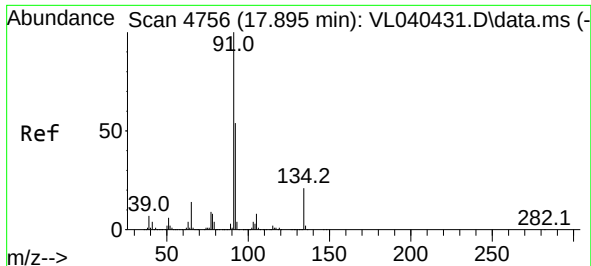
Tgt Ion:105 Resp: 77329
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.631 ppbv
 RT: 13.802 min Scan# 3483
 Delta R.T. 0.003 min
 Lab File: VL040445.D
 Acq: 16 May 2023 19:48

Tgt Ion: 95 Resp: 1908559
 Ion Ratio Lower Upper
 95 100
 174 60.2 47.0 70.6
 175 4.4 3.4 5.0

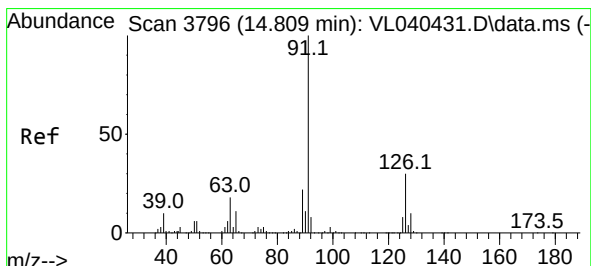
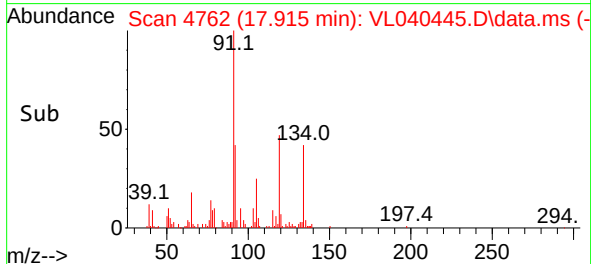
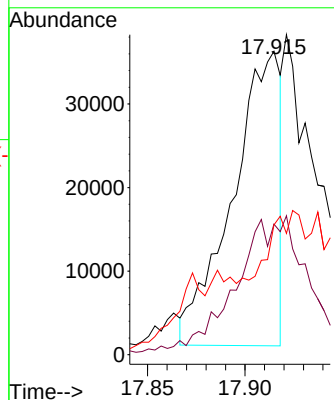
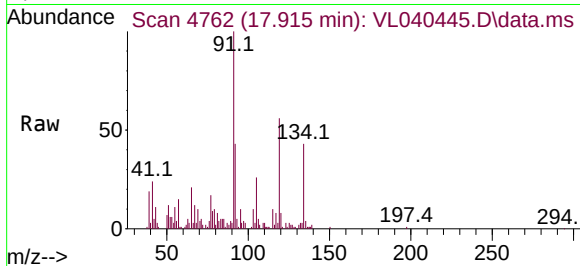




#70
n-Butylbenzene
Concen: 0.138 ppbv
RT: 17.915 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

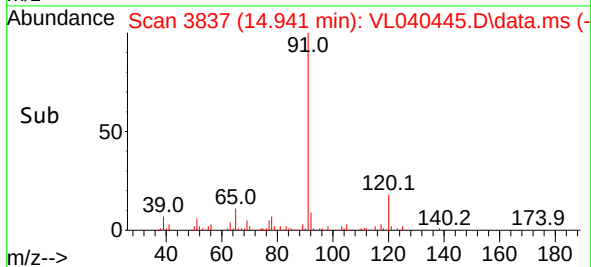
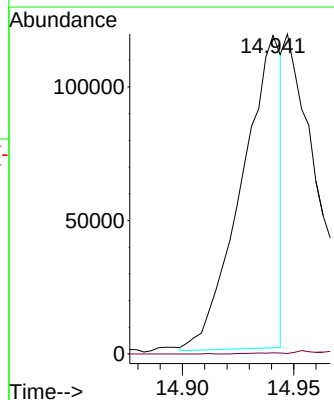
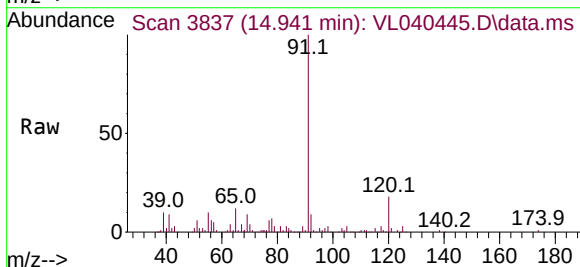
Instrument :
MSVOA_L
ClientSampleId :
SG-4

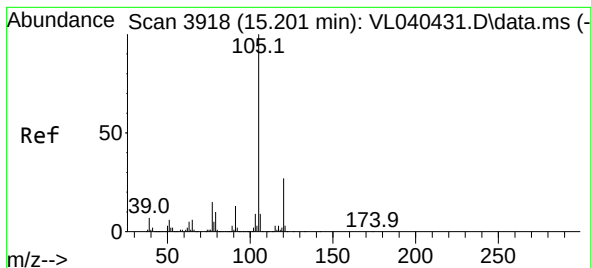
Tgt Ion: 91 Resp: 60247
Ion Ratio Lower Upper
91 100
92 0.0 43.2 64.8#
134 0.0 16.9 25.3#



#71
2-Chlorotoluene
Concen: 0.483 ppbv
RT: 14.941 min Scan# 3837
Delta R.T. 0.116 min
Lab File: VL040445.D
Acq: 16 May 2023 19:48

Tgt Ion: 91 Resp: 145506
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.0#





#72

4-Ethyltoluene

Concen: 0.407 ppbv

RT: 15.224 min Scan# 3918

Delta R.T. 0.003 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tgt Ion:105 Resp: 125042

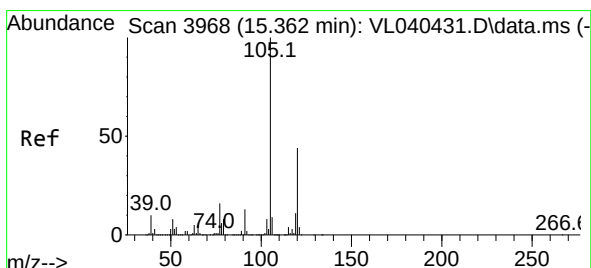
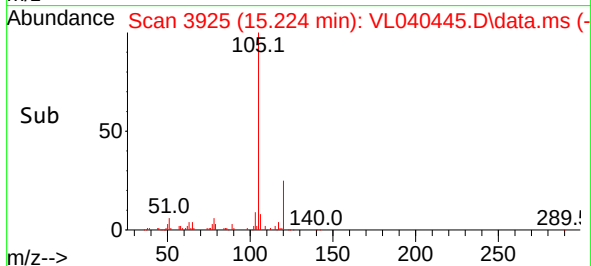
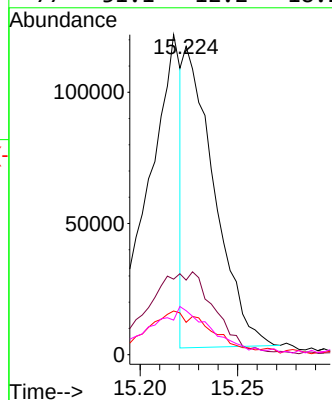
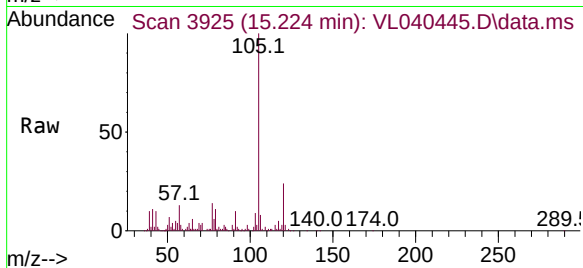
Ion Ratio Lower Upper

105 100

120 61.6 23.8 35.8#

91 0.0 11.0 16.4#

77 31.1 12.2 18.2#



#73

1,3,5-Trimethylbenzene

Concen: 0.925 ppbv

RT: 15.378 min Scan# 3973

Delta R.T. 0.003 min

Lab File: VL040445.D

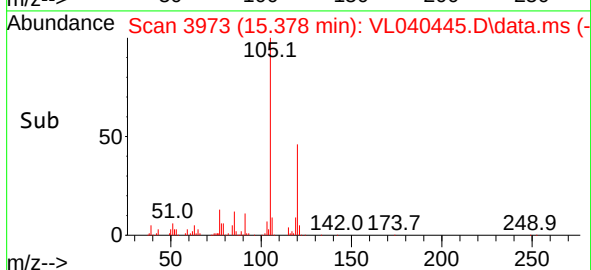
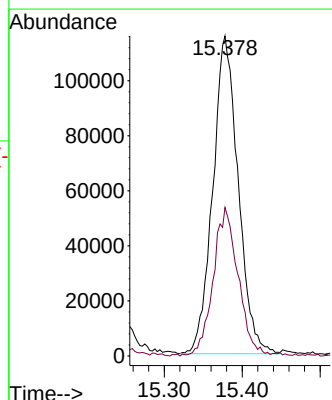
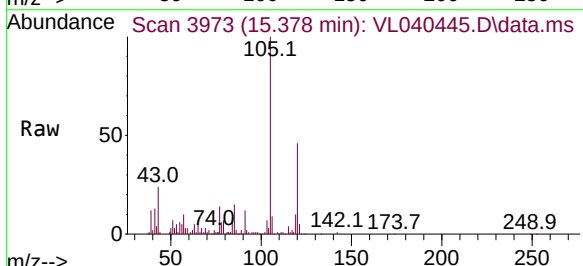
Acq: 16 May 2023 19:48

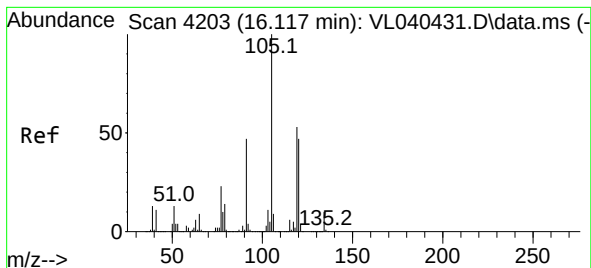
Tgt Ion:105 Resp: 260798

Ion Ratio Lower Upper

105 100

120 46.7 35.2 52.8





#74

1,2,4-Trimethylbenzene

Concen: 2.325 ppbv

RT: 16.137 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tgt Ion:105 Resp: 753953

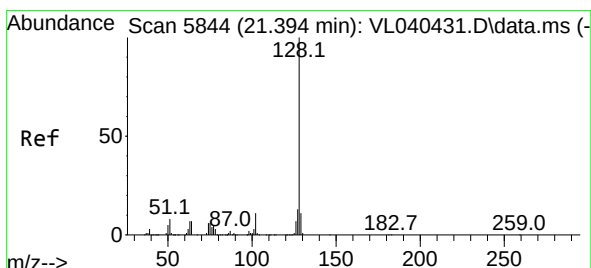
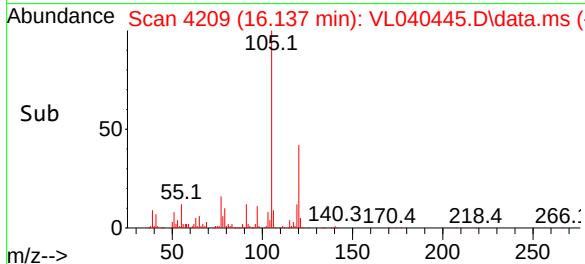
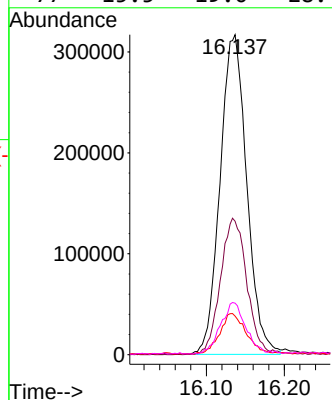
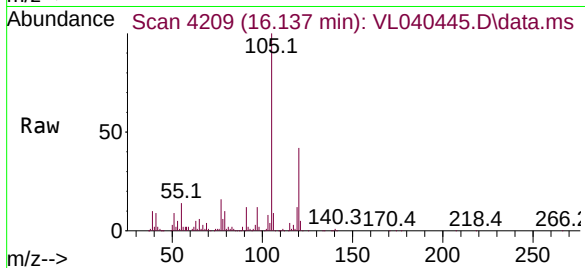
Ion Ratio Lower Upper

105 100

120 41.7 38.1 57.1

91 11.8 40.2 60.2#

77 15.5 19.0 28.4#



#79

Naphthalene

Concen: 0.038 ppbv

RT: 21.429 min Scan# 5855

Delta R.T. 0.013 min

Lab File: VL040445.D

Acq: 16 May 2023 19:48

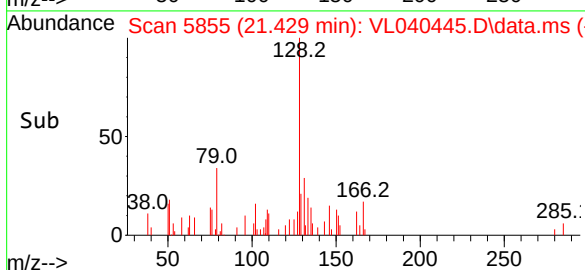
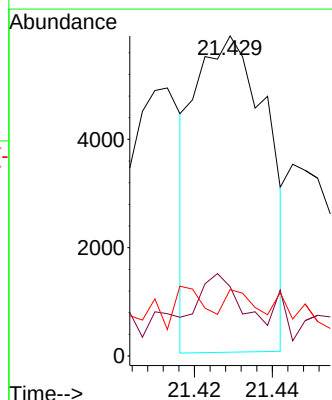
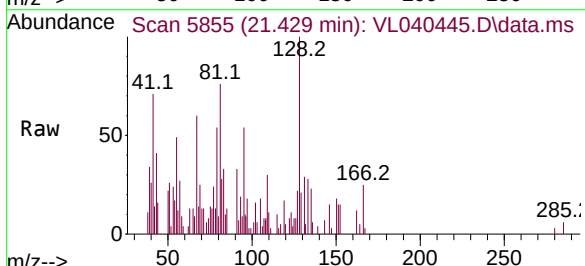
Tgt Ion:128 Resp: 7547

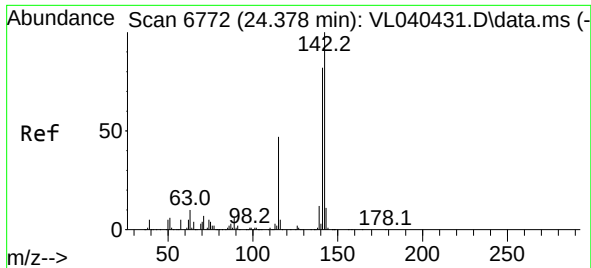
Ion Ratio Lower Upper

128 100

127 20.3 10.3 15.5#

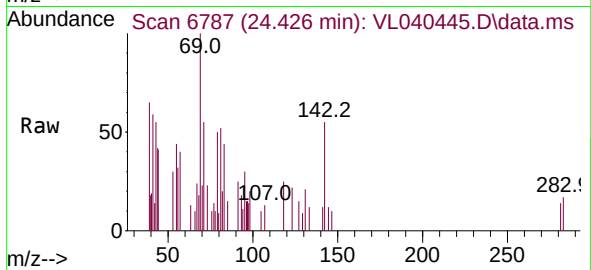
129 2.0 9.0 13.6#





#80
 Naphthalene, 2-methyl-
 Concen: 0.033 ppbv
 RT: 24.426 min Scan# 61
 Delta R.T. 0.029 min
 Lab File: VL040445.D
 Acq: 16 May 2023 19:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4



Tgt Ion: 142 Resp: 1859
 Ion Ratio Lower Upper
 142 100
 141 33.6 66.2 99.2#
 115 62.7 36.8 55.2#

