

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040443.D
 Acq On : 16 May 2023 18:24
 Operator : SY/MD
 Sample : 02793-02 8X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Quant Time: May 17 05:16:06 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	1016107	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2525813	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2311290	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1867460	10.048	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	24814	0.124	ppbv	99
3) Chlorodifluoromethane	2.677	51	25686	0.196	ppbv #	78
4) Chloromethane	2.816	50	11826	0.145	ppbv #	84
9) Propene	2.700	41	80710	1.581	ppbv	90
10) Heptane	7.600	43	518845	4.398	ppbv	100
11) Trichlorofluoromethane	3.565	101	6350	0.035	ppbv	96
13) Ethanol	3.240	45	654286	169.110	ppbv	94
15) Acetone	3.497	43	3262882	25.383	ppbv #	64
16) 1,3-Butadiene	2.970	39	86462	1.465	ppbv #	35
17) tert-Butyl alcohol	3.899	59	14418	0.112	ppbv #	72
19) Isopropyl Alcohol	3.591	45	46639	0.745	ppbv #	1
20) Methylene Chloride	3.941	84	3015925	52.668	ppbv	97
21) Allyl Chloride	3.964	41	278892	3.394	ppbv #	58
23) Vinyl Acetate	4.619	43	289300	8.143	ppbv #	1
25) Ethyl Acetate	5.230	43	2324323	9.601	ppbv #	75
26) Hexane	5.230	57	3376418	33.645	ppbv #	35
28) Methyl tert-Butyl Ether	4.603	73	7449	0.070	ppbv #	52
30) Cyclohexane	6.619	84	204765	2.508	ppbv #	1
34) 2-Butanone	4.803	43	27699	0.206	ppbv #	60
36) Benzene	6.391	78	463925	2.261	ppbv	98
37) 1,2-Dichloroethane	5.822	62	18811	0.140	ppbv	97
39) 1,2-Dichloropropane	6.671	63	642677	7.998	ppbv #	22
41) Tetrahydrofuran	5.587	42	24171	0.324	ppbv #	87
42) Bromodichloromethane	7.262	83	19169	0.106	ppbv #	27
44) 2,2,4-Trimethylpentane	7.349	57	499059	1.470	ppbv #	25
50) 4-Methyl-2-Pentanone	8.233	43	12008	0.058	ppbv	90
51) 2-Hexanone	9.558	43	109633	0.717	ppbv #	31
53) Toluene	9.246	91	2288528	10.562	ppbv	100
58) Ethyl Benzene	12.114	91	946298	3.235	ppbv	96
59) m/p-Xylene	12.372	91	2907676	10.899	ppbv	96
60) o-Xylene	13.085	91	1224278	4.822	ppbv	100
61) Styrene	12.925	104	7605	0.059	ppbv #	21
62) Isopropylbenzene	14.056	105	216711	0.584	ppbv	99
64) n-propylbenzene	14.947	120	113730	1.242	ppbv	79
65) tert-Butylbenzene	16.137	119	187653	0.577	ppbv #	67
66) Benzyl Chloride	16.137	91	212436	11.000	ppbv #	68
67) sec-Butylbenzene	16.661	105	193674	0.413	ppbv	98
69) p-Isopropyltoluene	17.021	119	100420	0.273	ppbv	94
70) n-Butylbenzene	17.915	91	273140	0.666	ppbv #	62
71) 2-Chlorotoluene	14.937	91	279672	0.990	ppbv #	45
72) 4-Ethyltoluene	15.220	105	599301	2.082	ppbv	97
73) 1,3,5-Trimethylbenzene	15.378	105	592751	2.243	ppbv	94
74) 1,2,4-Trimethylbenzene	16.133	105	1712774	5.632	ppbv #	71

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

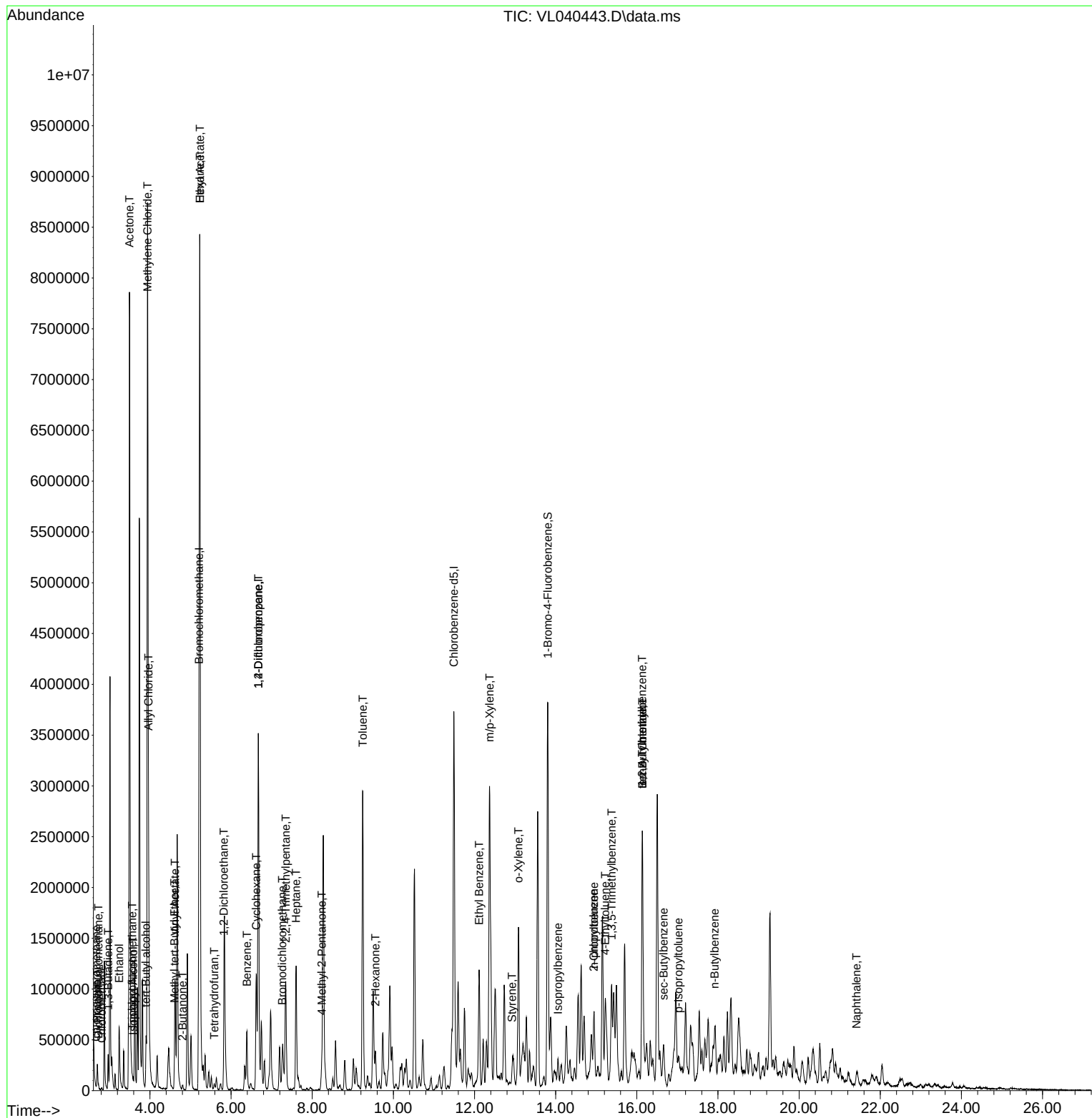
Instrument :
MSVOA_L
ClientSampleId :
SG-2

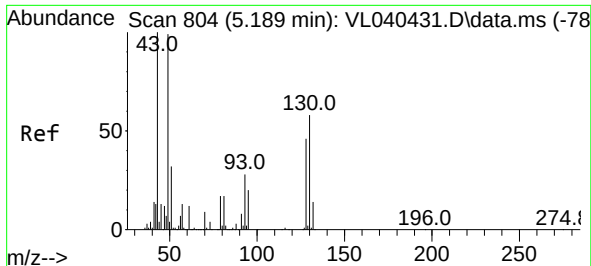
Quant Time: May 17 05:16:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.413	128	20190	0.110	ppbv	96

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

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

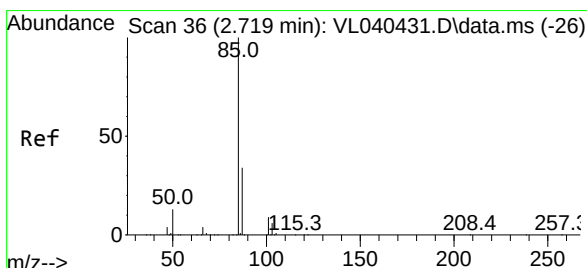
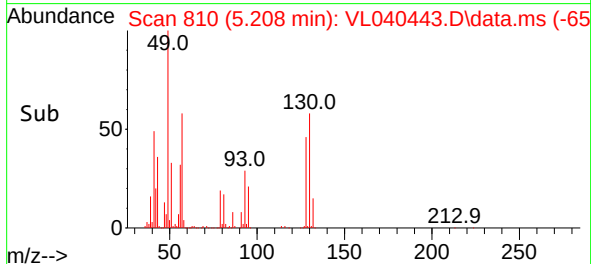
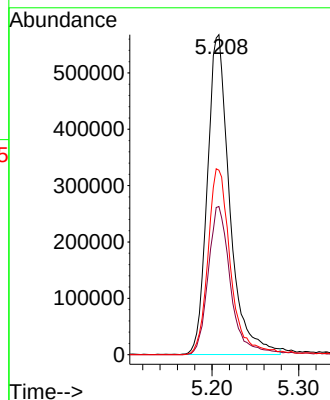
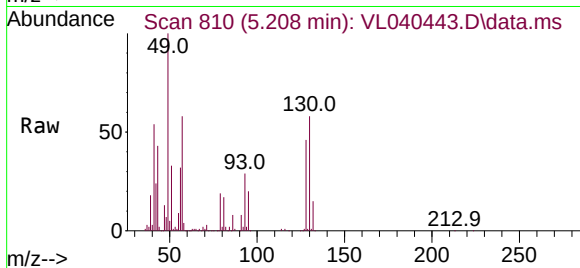




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

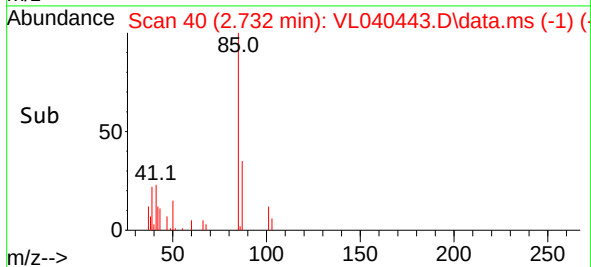
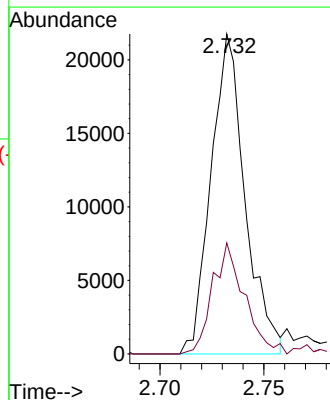
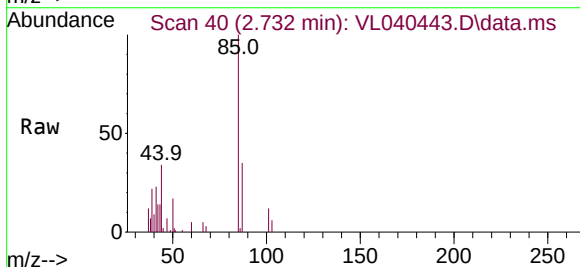
Instrument :
MSVOA_L
ClientSampleId :
SG-2

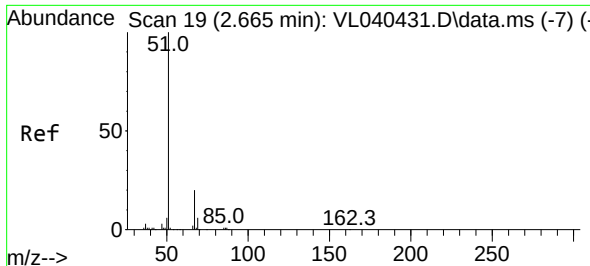
Tgt Ion: 49 Resp: 1016107
Ion Ratio Lower Upper
49 100
128 47.7 24.3 72.8
130 60.4 30.2 90.6



#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 85 Resp: 24814
Ion Ratio Lower Upper
85 100
87 34.7 27.4 41.0

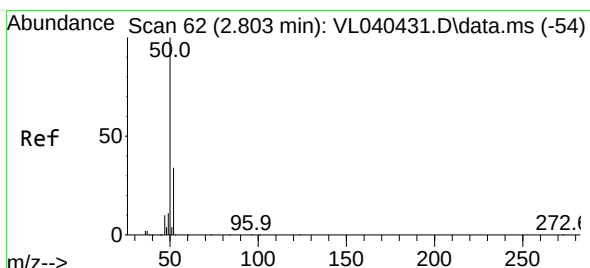
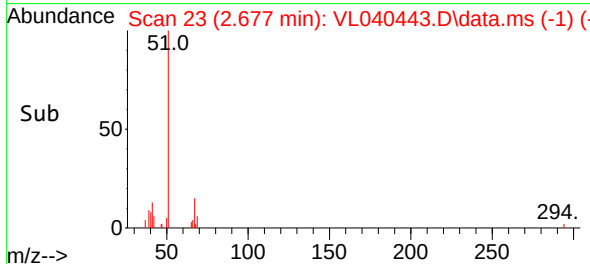
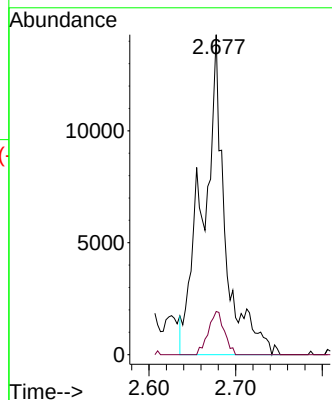
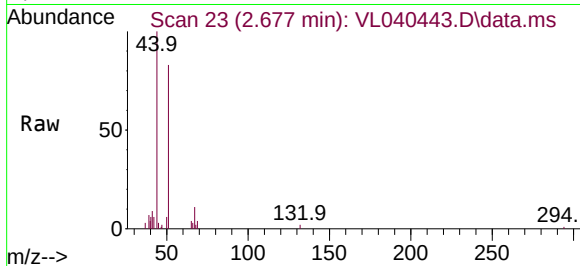




#3
Chlorodifluoromethane
Concen: 0.196 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

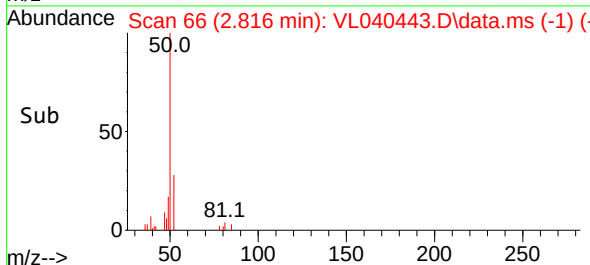
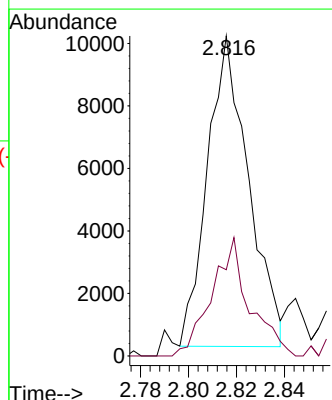
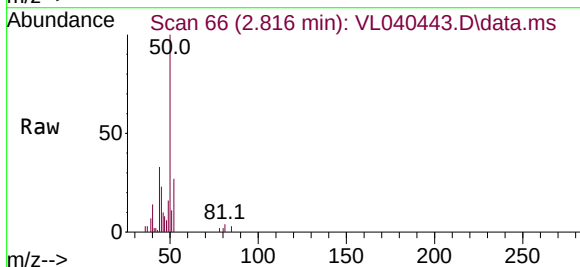
Instrument :
MSVOA_L
ClientSampleId :
SG-2

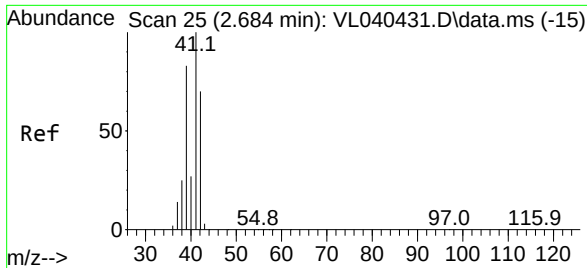
Tgt Ion: 51 Resp: 25686
Ion Ratio Lower Upper
51 100
67 9.6 15.8 23.6#



#4
Chloromethane
Concen: 0.145 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 50 Resp: 11826
Ion Ratio Lower Upper
50 100
52 25.4 27.6 41.4#





#9

Propene

Concen: 1.581 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.007 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_1

ClientSampleId :

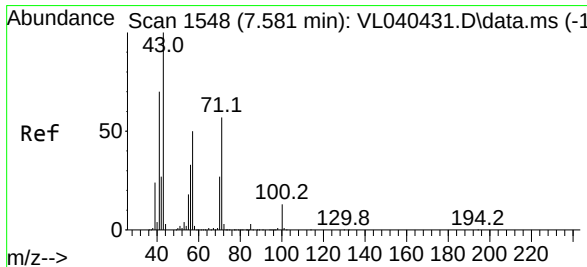
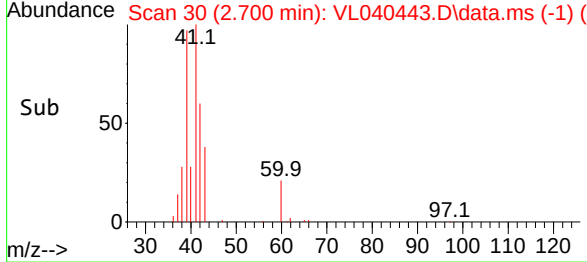
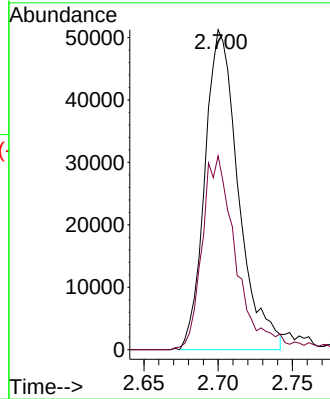
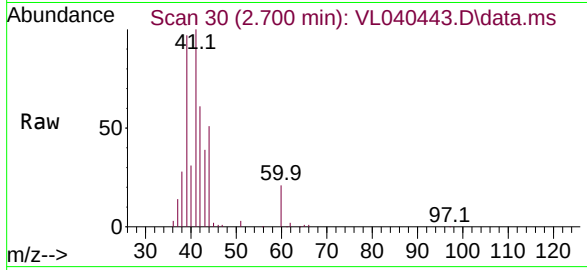
SG-2

Tgt Ion: 41 Resp: 80710

Ion Ratio Lower Upper

41 100

42 62.5 56.6 84.8



#10

Heptane

Concen: 4.398 ppbv

RT: 7.600 min Scan# 1554

Delta R.T. 0.003 min

Lab File: VL040443.D

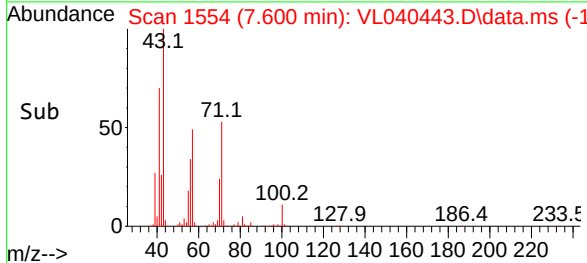
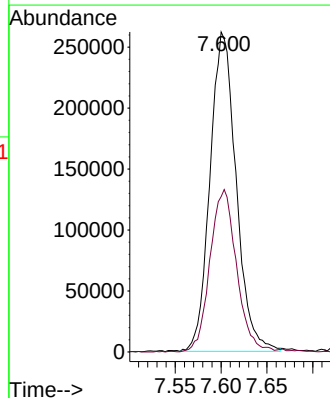
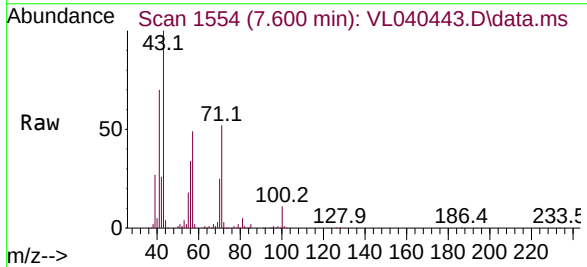
Acq: 16 May 2023 18:24

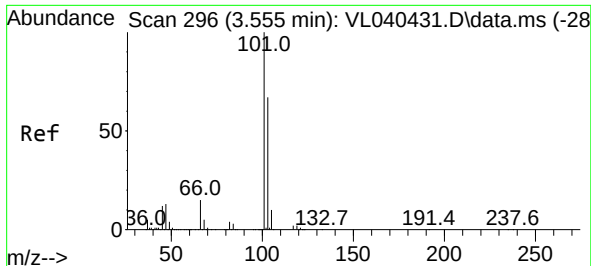
Tgt Ion: 43 Resp: 518845

Ion Ratio Lower Upper

43 100

57 52.5 42.2 63.2

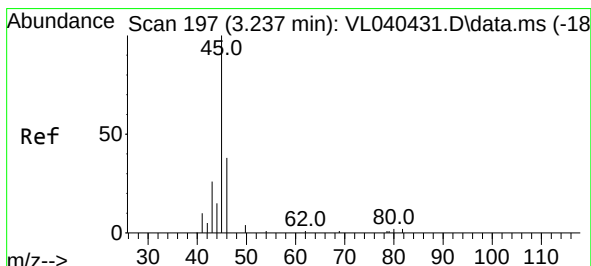
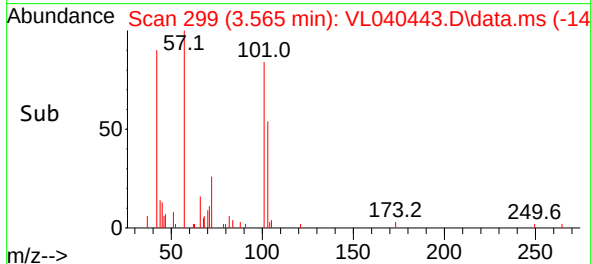
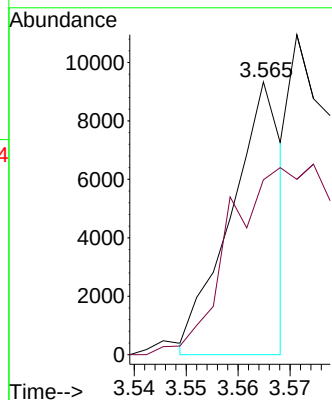
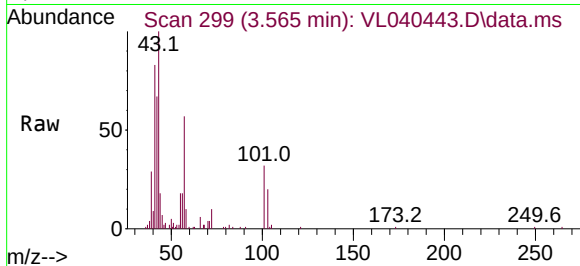




#11
 Trichlorofluoromethane
 Concen: 0.035 ppbv
 RT: 3.565 min Scan# 296
 Delta R.T. -0.003 min
 Lab File: VL040443.D
 Acq: 16 May 2023 18:24

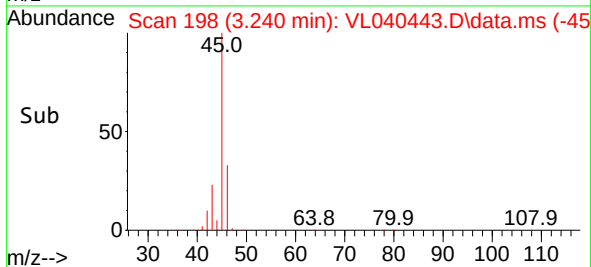
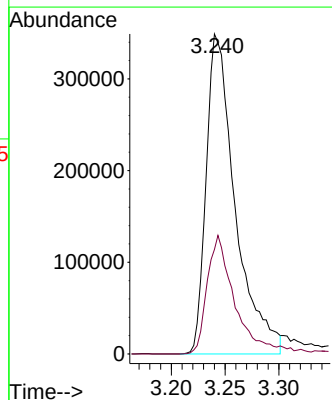
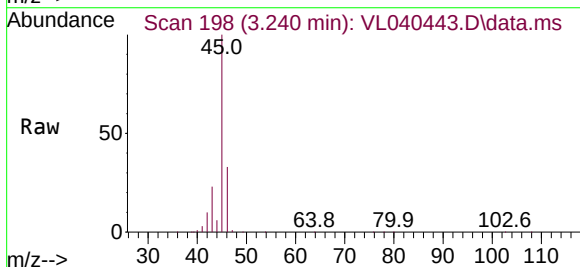
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

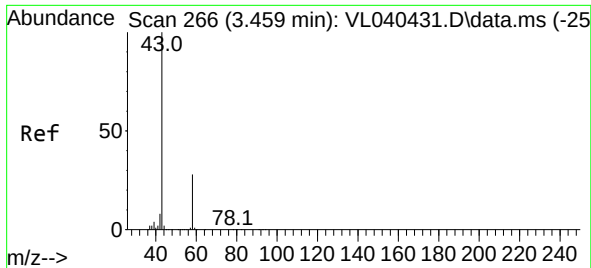
Tgt Ion:101 Resp: 6350
 Ion Ratio Lower Upper
 101 100
 103 63.6 53.3 79.9



#13
 Ethanol
 Concen: 169.110 ppbv
 RT: 3.240 min Scan# 198
 Delta R.T. -0.010 min
 Lab File: VL040443.D
 Acq: 16 May 2023 18:24

Tgt Ion: 45 Resp: 654286
 Ion Ratio Lower Upper
 45 100
 46 36.6 13.2 52.8





#15

Acetone

Concen: 25.383 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.029 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

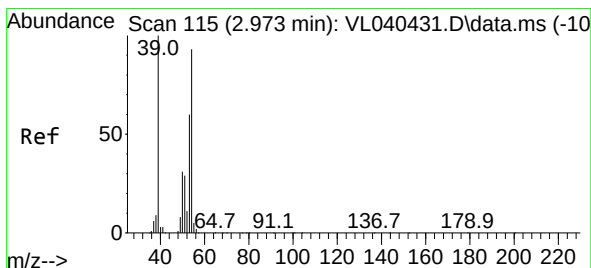
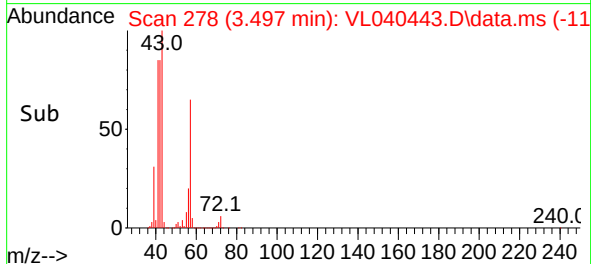
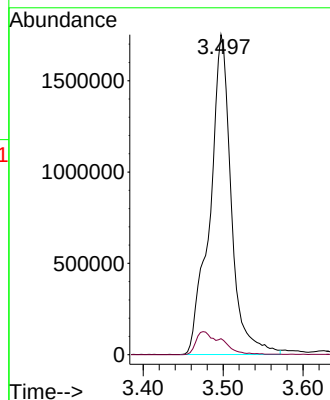
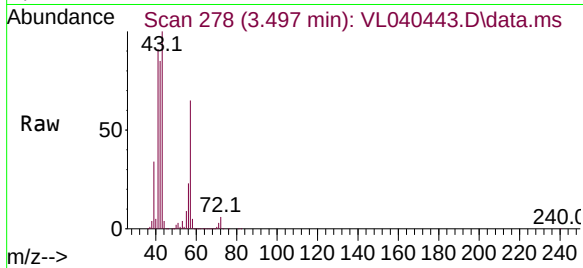
SG-2

Tgt Ion: 43 Resp: 3262882

Ion Ratio Lower Upper

43 100

58 9.0 22.2 33.4#



#16

1,3-Butadiene

Concen: 1.465 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL040443.D

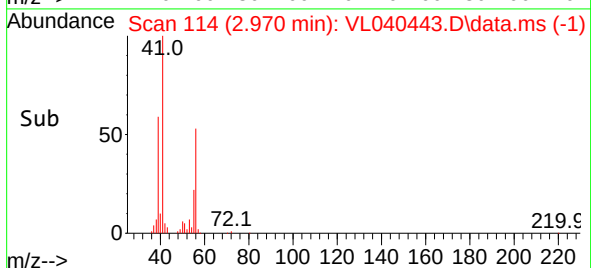
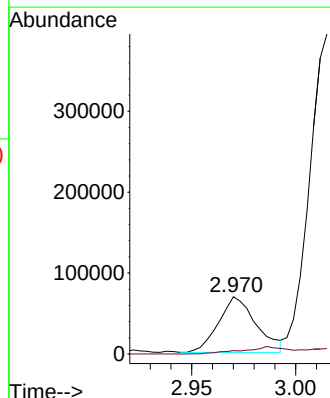
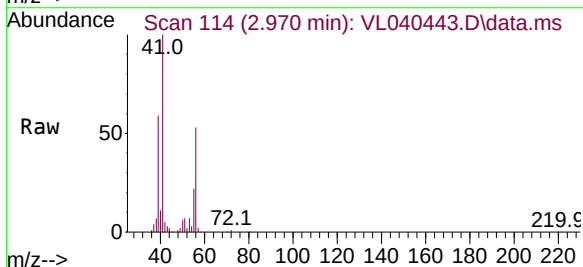
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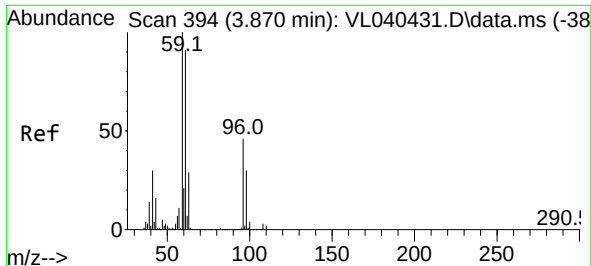
Tgt Ion: 39 Resp: 86462

Ion Ratio Lower Upper

39 100

54 26.6 68.9 103.3#





#17

tert-Butyl alcohol

Concen: 0.112 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.019 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

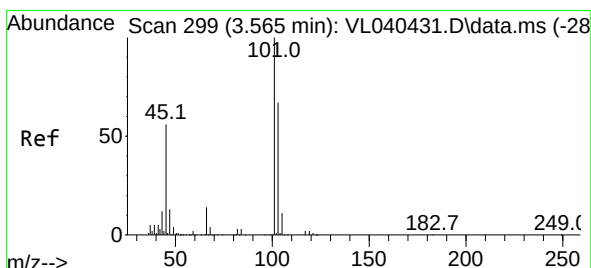
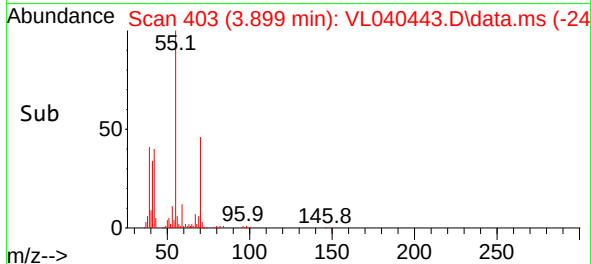
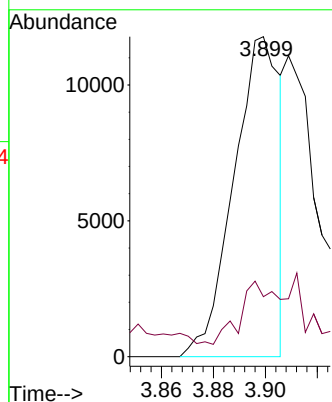
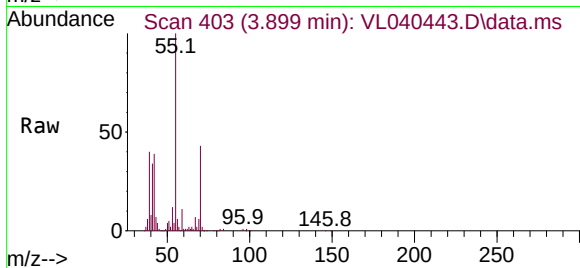
SG-2

Tgt Ion: 59 Resp: 14418

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#19

Isopropyl Alcohol

Concen: 0.745 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.013 min

Lab File: VL040443.D

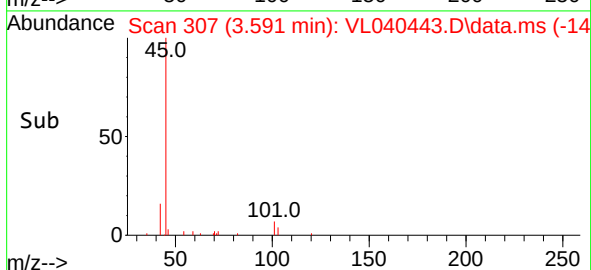
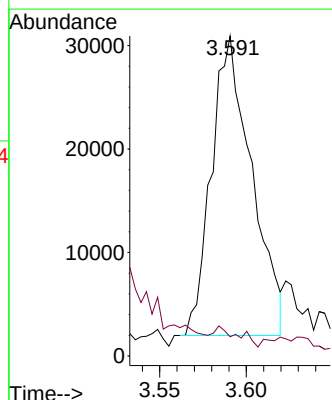
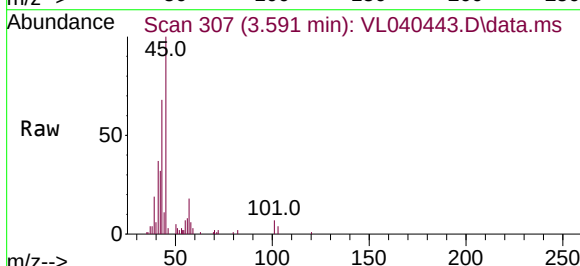
Acq: 16 May 2023 18:24

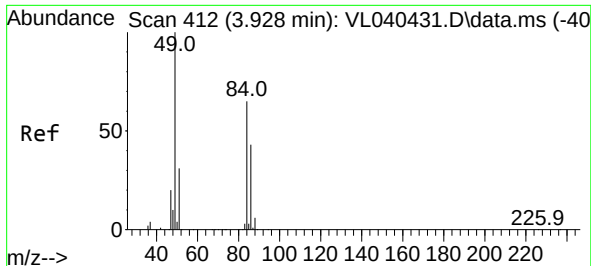
Tgt Ion: 45 Resp: 46639

Ion Ratio Lower Upper

45 100

58 634.1 2.1 3.1#





#20

Methylene Chloride

Concen: 52.668 ppbv

RT: 3.941 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tgt Ion: 84 Resp: 3015925

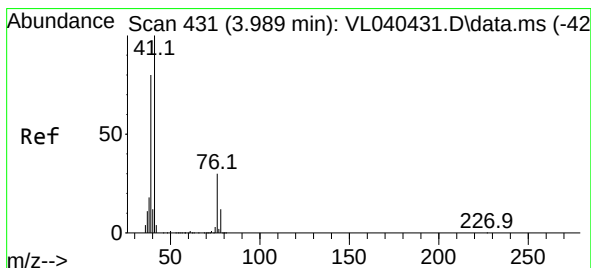
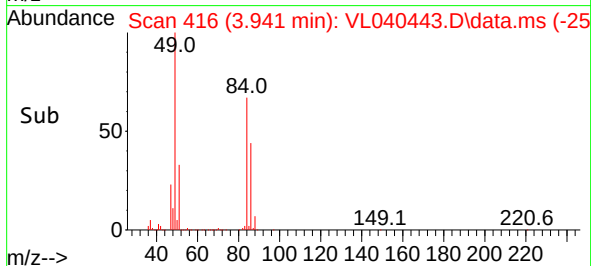
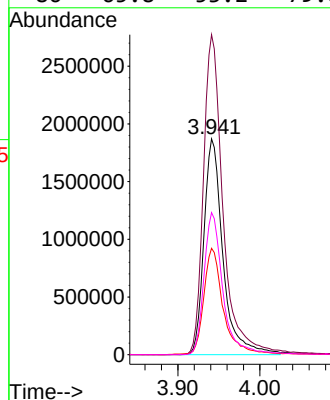
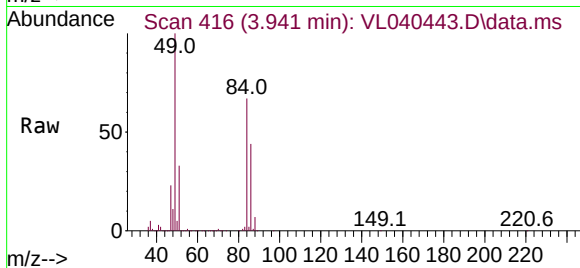
Ion Ratio Lower Upper

84 100

49 148.2 123.7 185.5

51 49.0 38.6 57.8

86 65.8 53.2 79.8



#21

Allyl Chloride

Concen: 3.394 ppbv

RT: 3.964 min Scan# 423

Delta R.T. -0.038 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

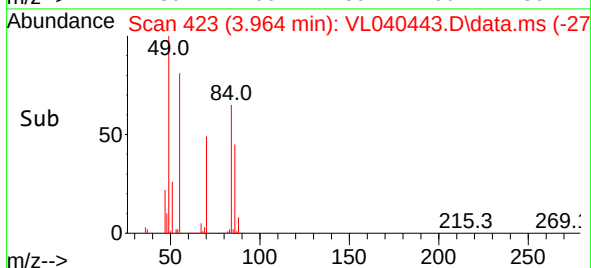
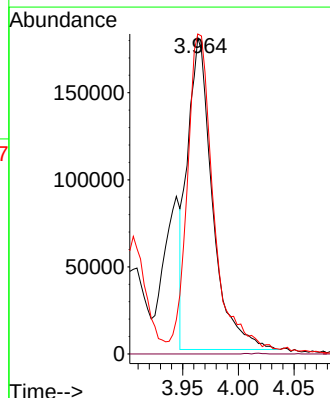
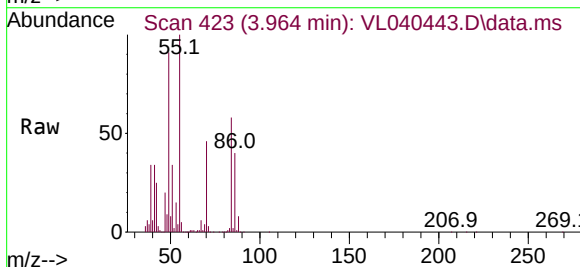
Tgt Ion: 41 Resp: 278892

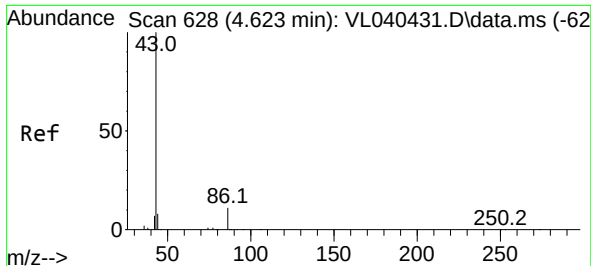
Ion Ratio Lower Upper

41 100

76 0.1 25.3 37.9#

39 111.7 63.5 95.3#



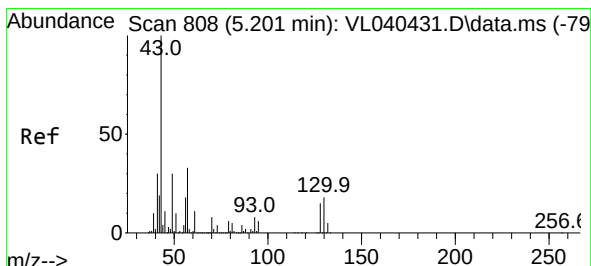
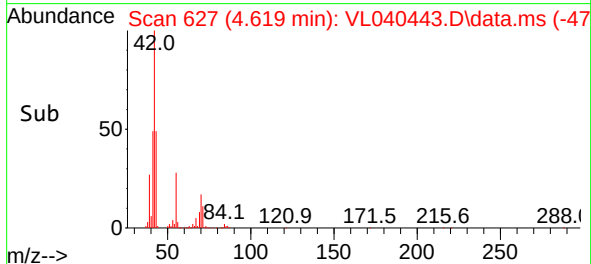
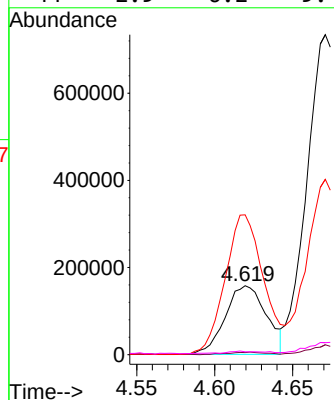
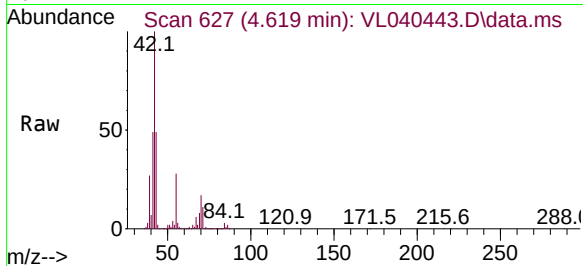


#23
 Vinyl Acetate
 Concen: 8.143 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL040443.D
 Acq: 16 May 2023 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2

Tgt Ion: 43 Resp: 289300

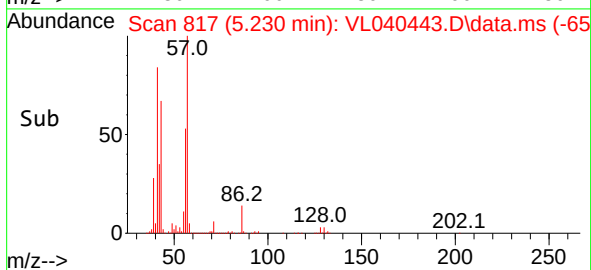
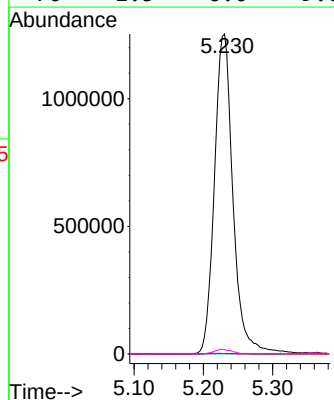
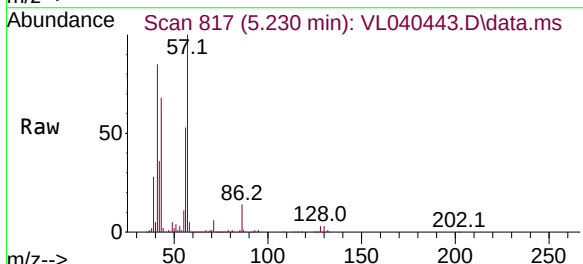
Ion	Ratio	Lower	Upper
43	100		
86	2.5	5.4	8.2#
42	202.9	7.8	11.6#
44	2.9	6.2	9.4#

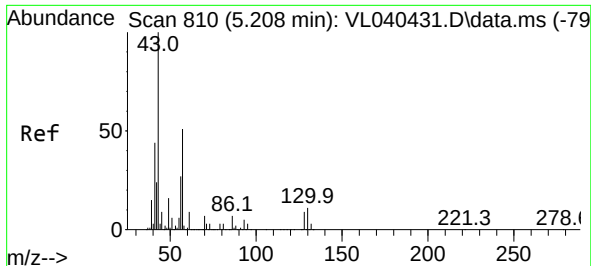


#25
 Ethyl Acetate
 Concen: 9.601 ppbv
 RT: 5.230 min Scan# 817
 Delta R.T. 0.016 min
 Lab File: VL040443.D
 Acq: 16 May 2023 18:24

Tgt Ion: 43 Resp: 2324323

Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.6	13.0#
61	0.2	8.6	12.8#
70	1.5	6.0	9.0#

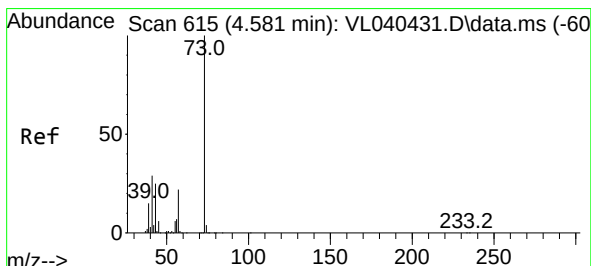
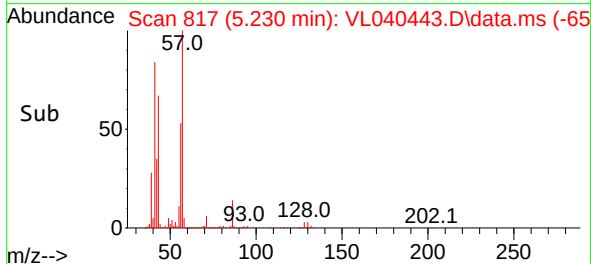
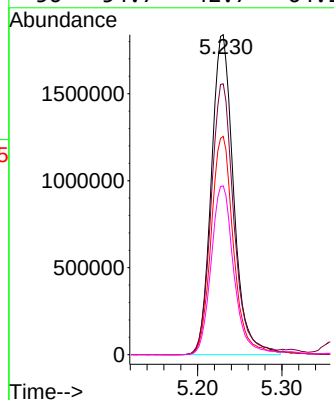
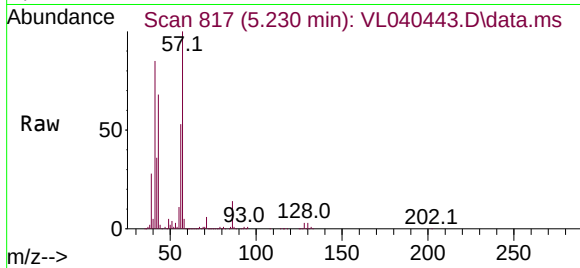




#26
Hexane
Concen: 33.645 ppbv
RT: 5.230 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

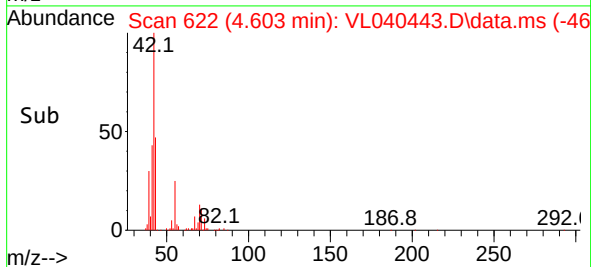
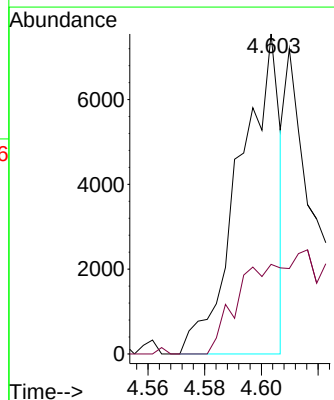
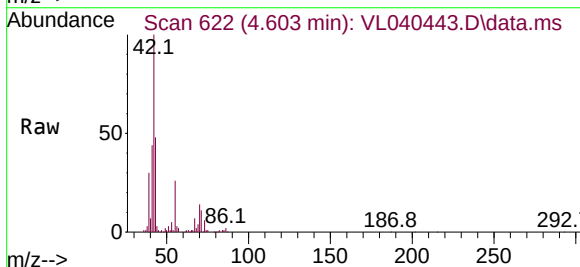
Instrument :
MSVOA_L
ClientSampleId :
SG-2

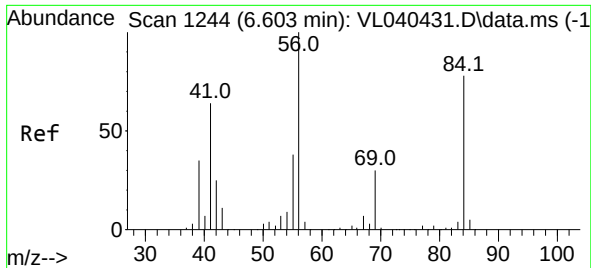
Tgt Ion: 57 Resp: 3376418
Ion Ratio Lower Upper
57 100
41 88.8 75.1 112.7
43 69.2 194.4 291.6#
56 54.7 42.7 64.1



#28
Methyl tert-Butyl Ether
Concen: 0.070 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.010 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 73 Resp: 7449
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#

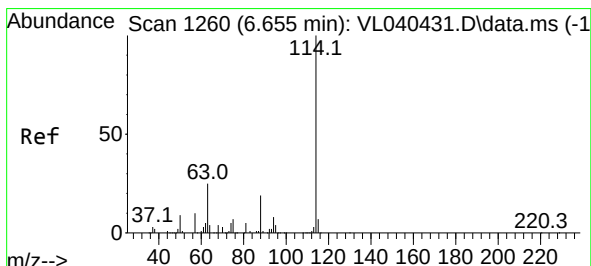
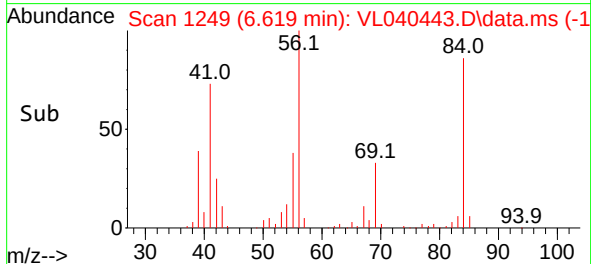
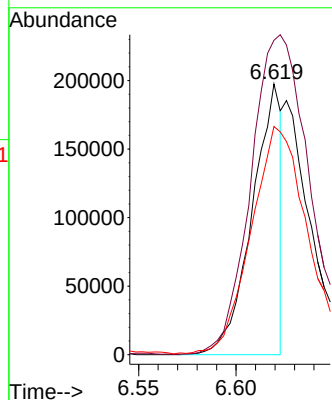
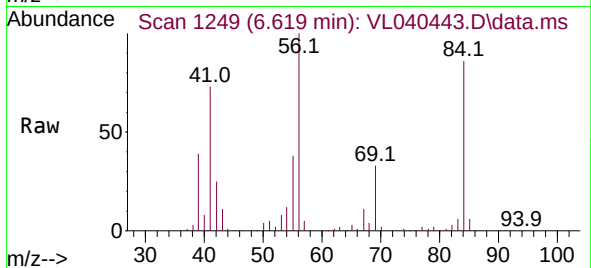




#30
Cyclohexane
Concen: 2.508 ppbv
RT: 6.619 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

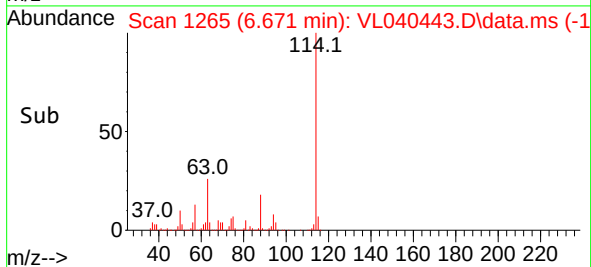
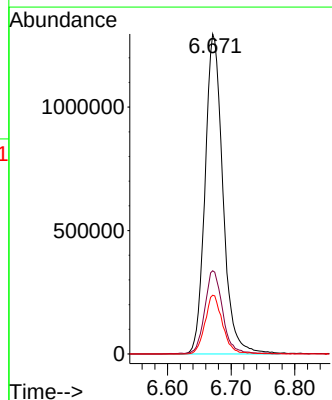
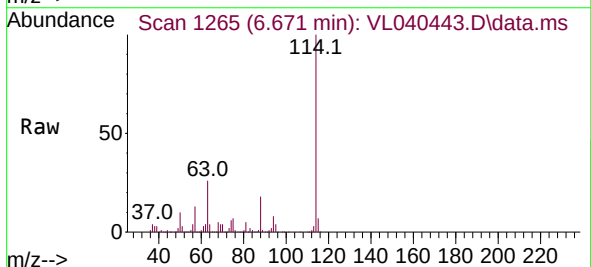
Instrument :
MSVOA_L
ClientSampleId :
SG-2

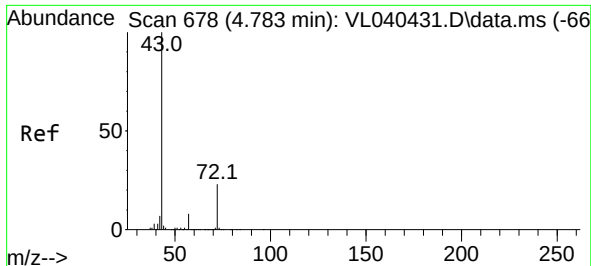
Tgt Ion: 84 Resp: 204765
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 174.1 66.9 100.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 114 Resp: 2525813
Ion Ratio Lower Upper
114 100
63 26.6 21.0 31.6
88 18.2 14.6 22.0





#34

2-Butanone

Concen: 0.206 ppbv

RT: 4.803 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_1

ClientSampleId :

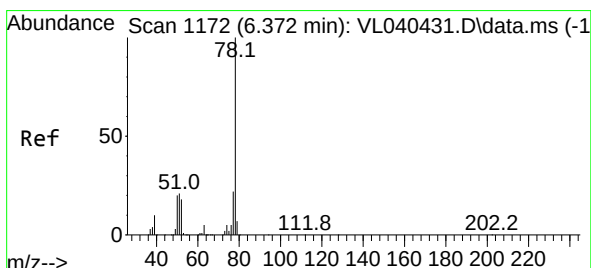
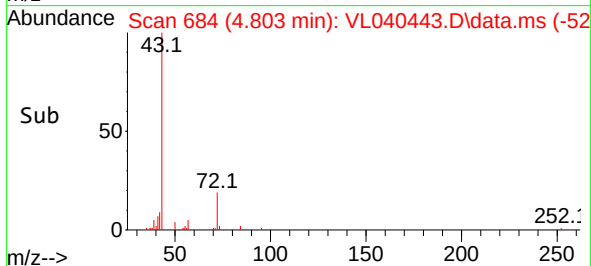
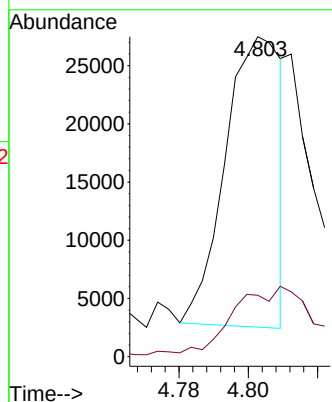
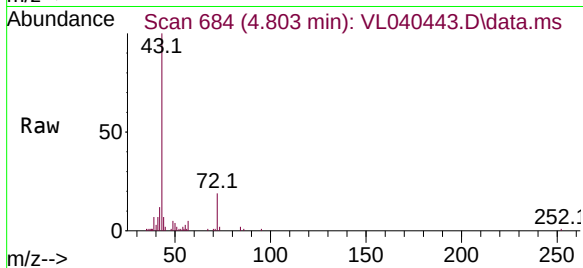
SG-2

Tgt Ion: 43 Resp: 27699

Ion Ratio Lower Upper

43 100

72 42.0 18.3 27.5#



#36

Benzene

Concen: 2.261 ppbv

RT: 6.391 min Scan# 1178

Delta R.T. 0.007 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

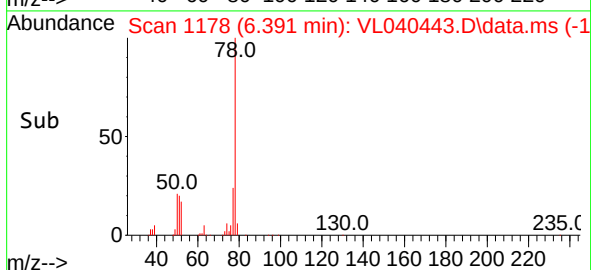
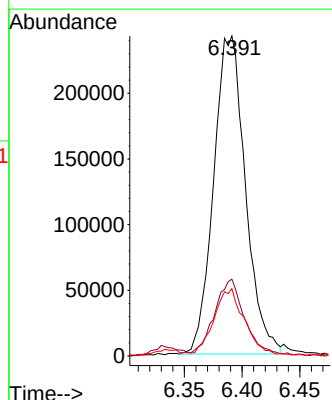
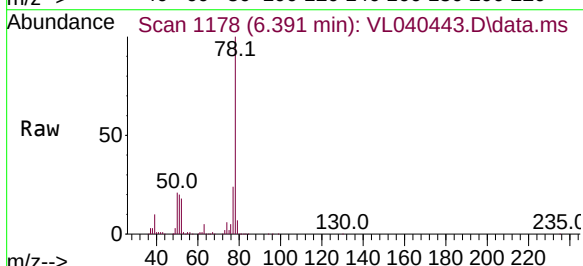
Tgt Ion: 78 Resp: 463925

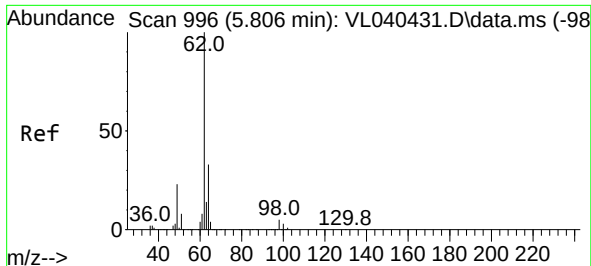
Ion Ratio Lower Upper

78 100

77 23.5 17.7 26.5

50 20.4 15.8 23.8

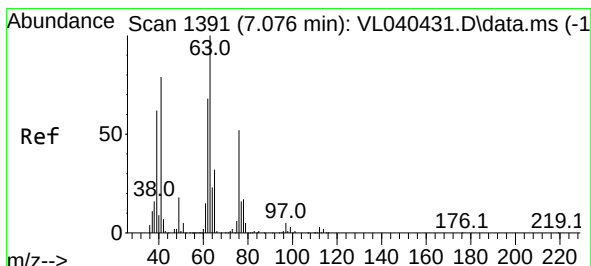
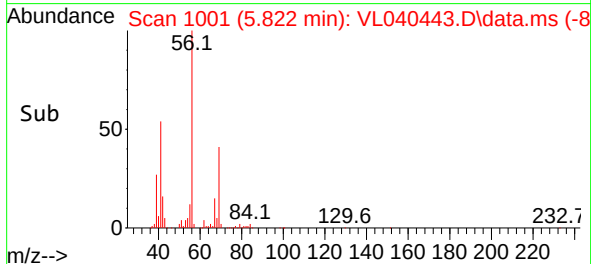
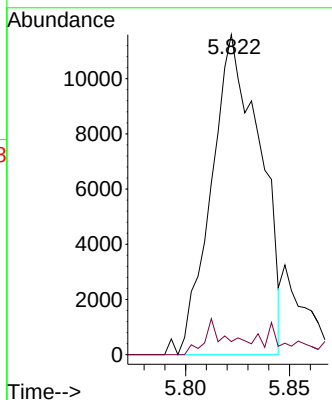
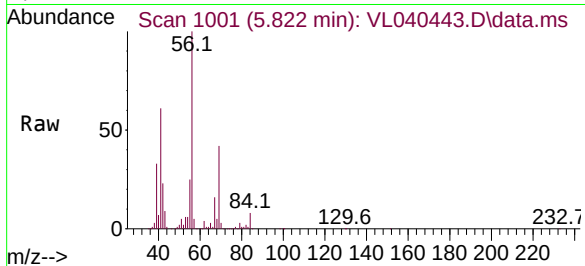




#37
1,2-Dichloroethane
Concen: 0.140 ppbv
RT: 5.822 min Scan# 1001
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

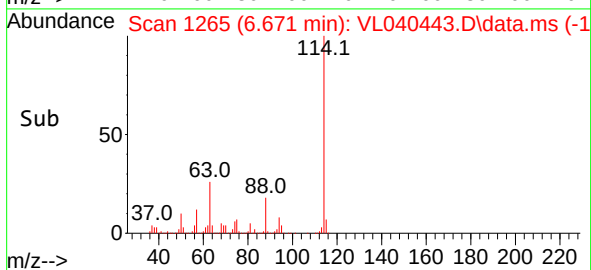
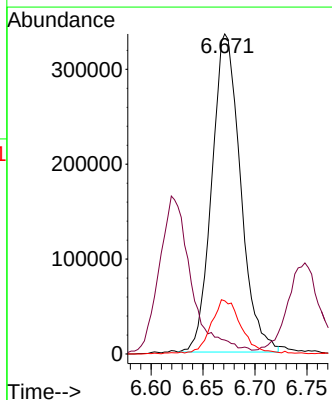
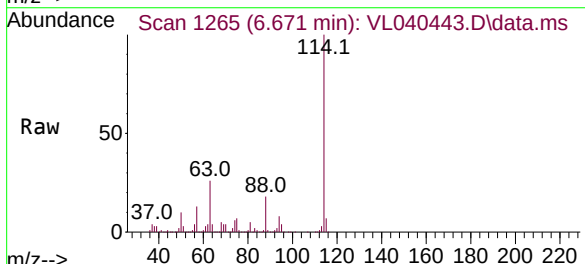
Instrument :
MSVOA_L
ClientSampleId :
SG-2

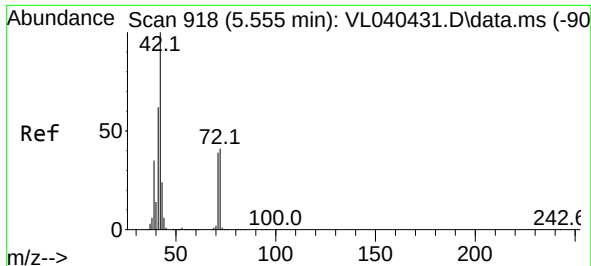
Tgt Ion: 62 Resp: 18811
Ion Ratio Lower Upper
62 100
98 6.6 4.5 6.7



#39
1,2-Dichloropropane
Concen: 7.998 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. -0.418 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 63 Resp: 642677
Ion Ratio Lower Upper
63 100
41 0.0 63.3 94.9#
62 16.4 54.2 81.4#

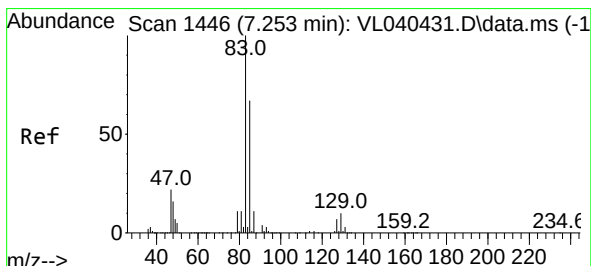
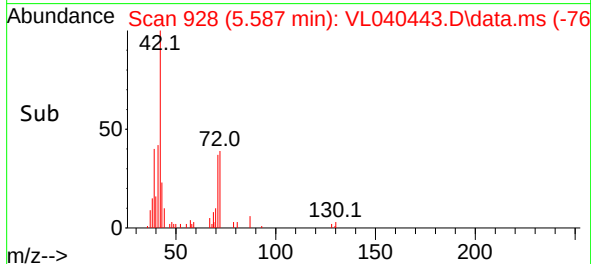
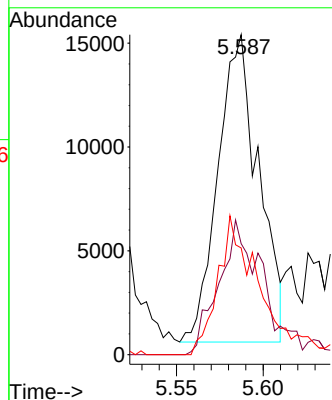
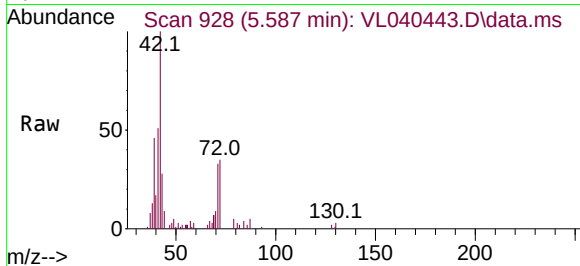




#41
Tetrahydrofuran
Concen: 0.324 ppbv
RT: 5.587 min Scan# 918
Delta R.T. 0.019 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

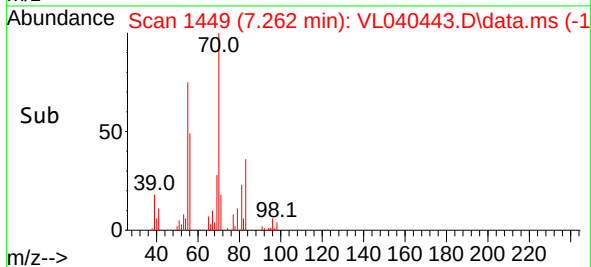
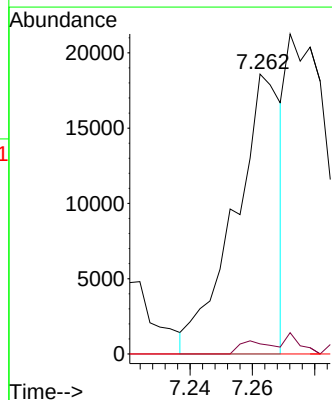
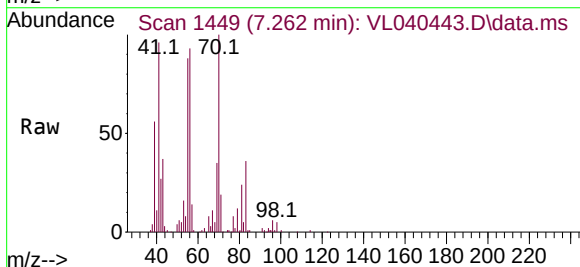
Instrument :
MSVOA_L
ClientSampleId :
SG-2

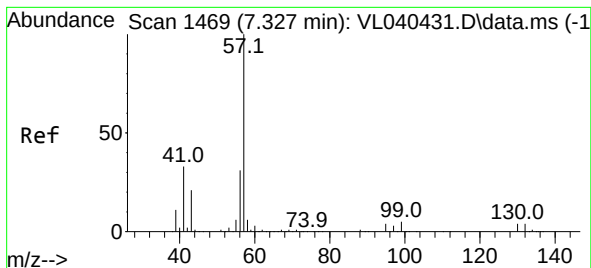
Tgt Ion: 42 Resp: 24171
Ion Ratio Lower Upper
42 100
72 50.6 33.0 49.4#
71 47.4 32.2 48.2



#42
Bromodichloromethane
Concen: 0.106 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. -0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 83 Resp: 19169
Ion Ratio Lower Upper
83 100
85 3.9 53.6 80.4#
127 0.0 5.9 8.9#





#44

2,2,4-Trimethylpentane

Concen: 1.470 ppbv

RT: 7.349 min Scan# 1469

Delta R.T. 0.007 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

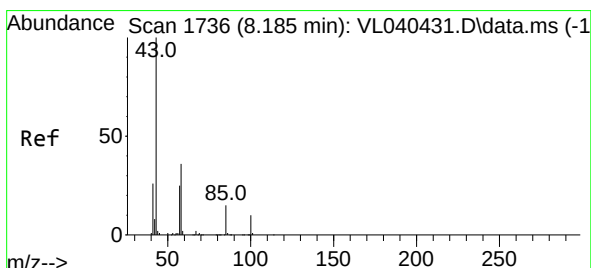
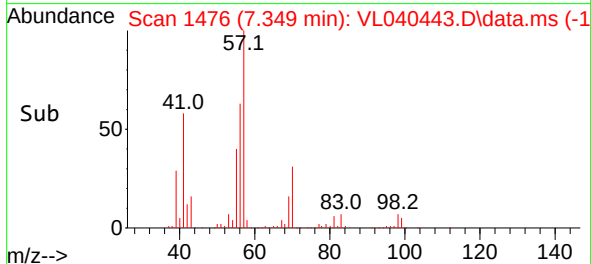
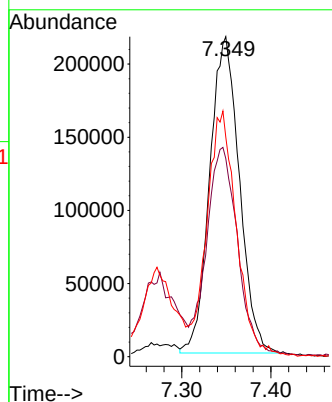
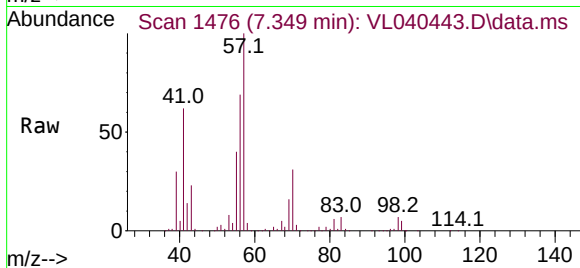
Tgt Ion: 57 Resp: 499059

Ion Ratio Lower Upper

57 100

41 70.6 27.0 40.4#

56 78.2 25.0 37.4#



#50

4-Methyl-2-Pentanone

Concen: 0.058 ppbv

RT: 8.233 min Scan# 1751

Delta R.T. 0.035 min

Lab File: VL040443.D

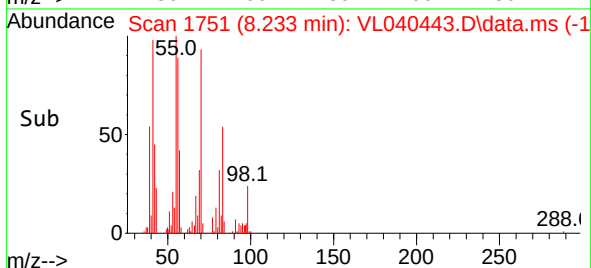
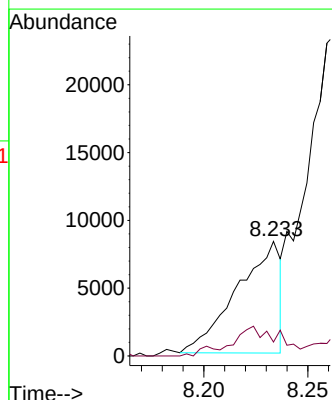
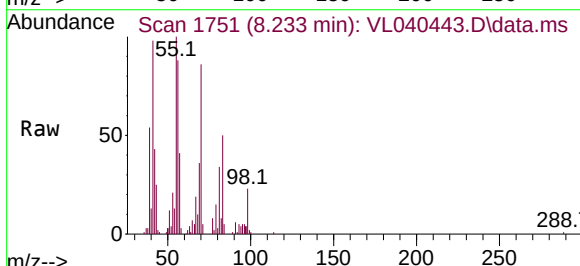
Acq: 16 May 2023 18:24

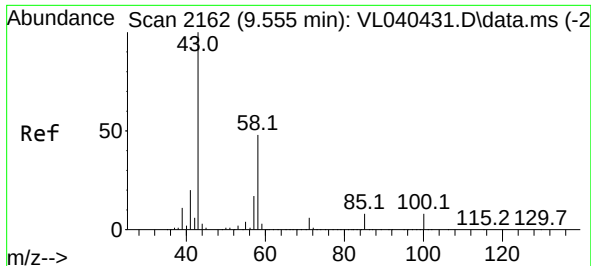
Tgt Ion: 43 Resp: 12008

Ion Ratio Lower Upper

43 100

58 30.0 28.8 43.2

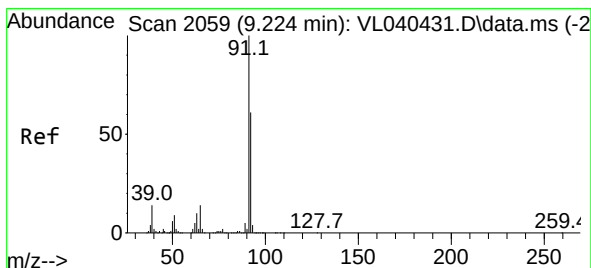
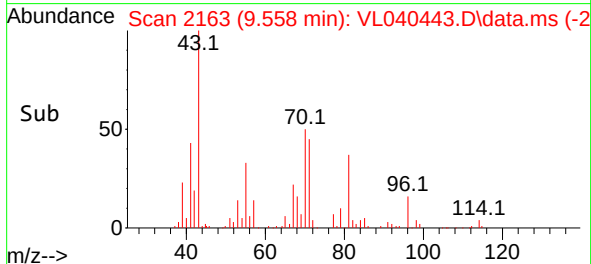
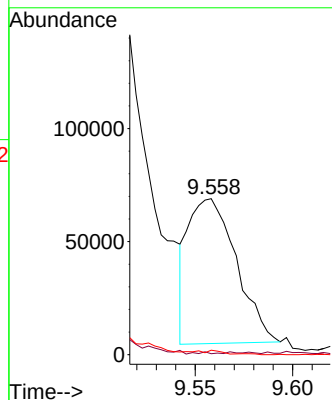
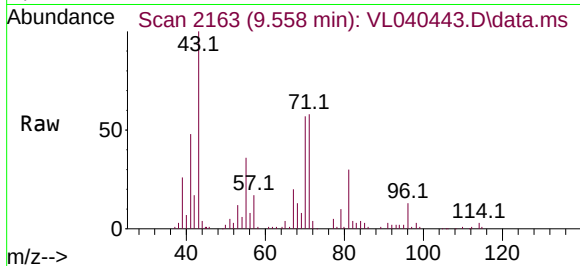




#51
2-Hexanone
Concen: 0.717 ppbv
RT: 9.558 min Scan# 2162
Delta R.T. -0.010 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

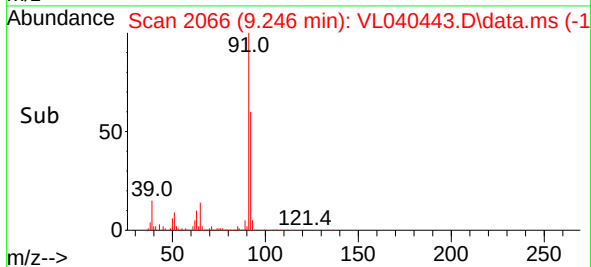
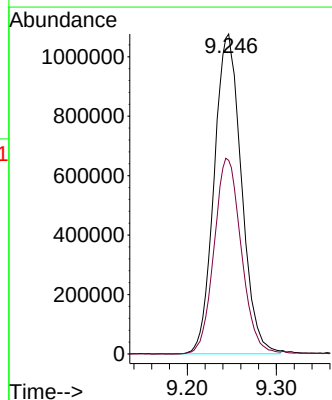
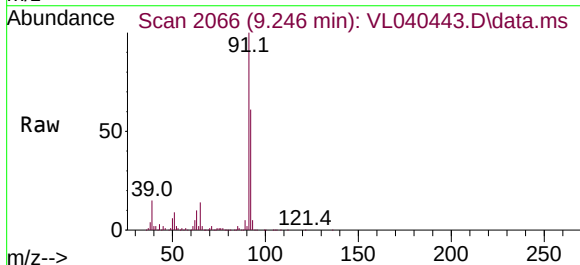
Instrument :
MSVOA_L
ClientSampleId :
SG-2

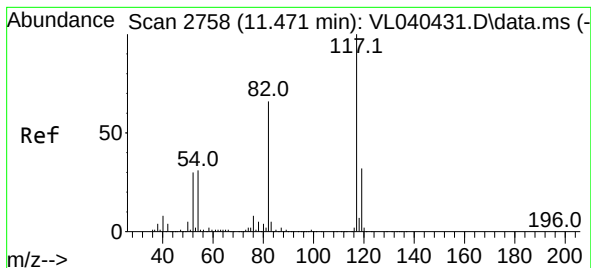
Tgt Ion: 43 Resp: 109633
Ion Ratio Lower Upper
43 100
58 1.3 38.5 57.7#
98 0.0 0.2 0.4#



#53
Toluene
Concen: 10.562 ppbv
RT: 9.246 min Scan# 2066
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 91 Resp: 2288528
Ion Ratio Lower Upper
91 100
92 61.5 49.1 73.7

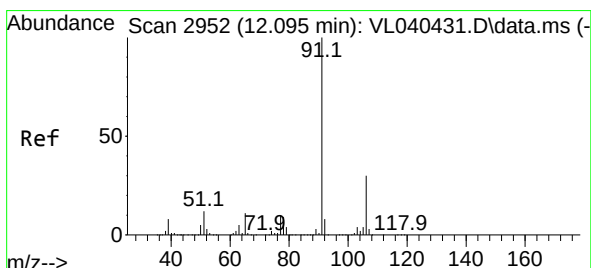
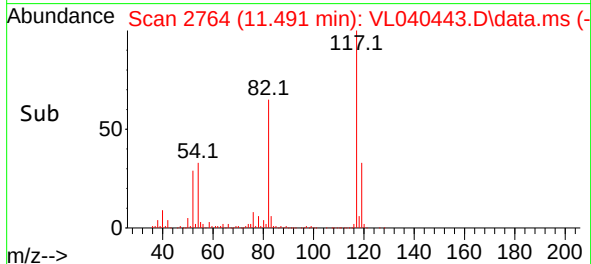
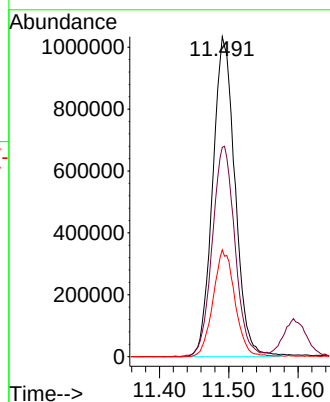
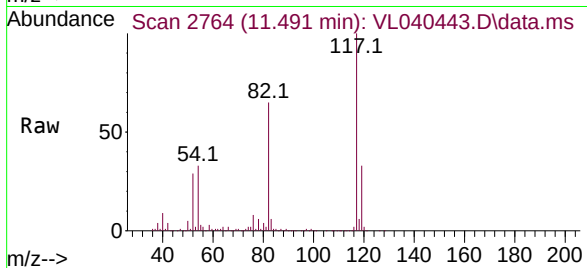




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

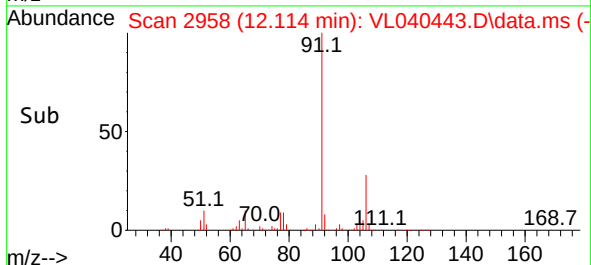
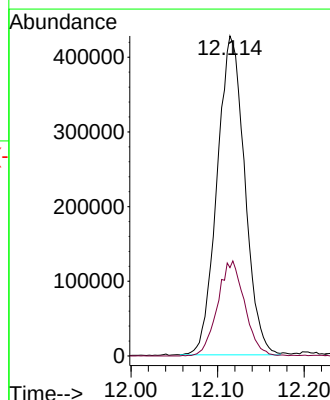
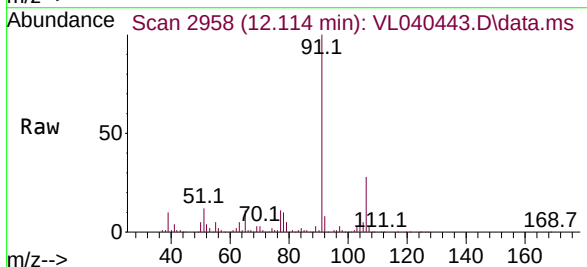
Instrument :
MSVOA_1
ClientSampleId :
SG-2

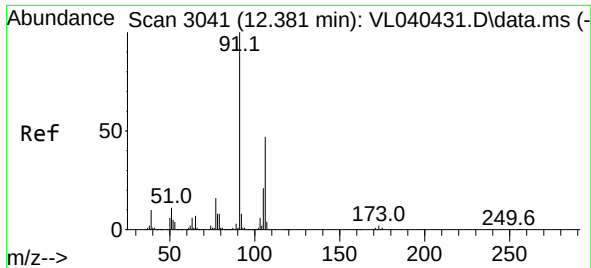
Tgt Ion:117 Resp: 2311290
Ion Ratio Lower Upper
117 100
82 67.0 52.5 78.7
119 33.0 24.0 36.0



#58
Ethyl Benzene
Concen: 3.235 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 91 Resp: 946298
Ion Ratio Lower Upper
91 100
106 27.7 23.8 35.8





#59

m/p-Xylene

Concen: 10.899 ppbv

RT: 12.372 min Scan# 3041

Delta R.T. -0.026 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

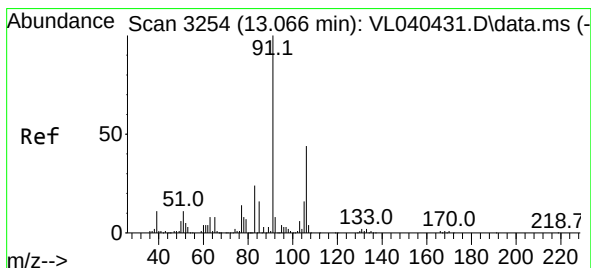
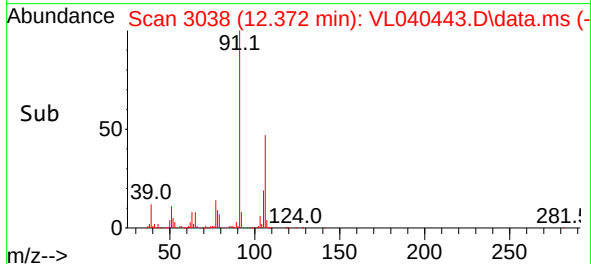
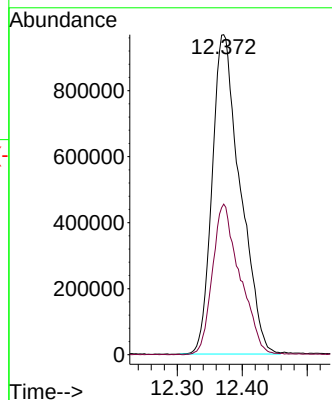
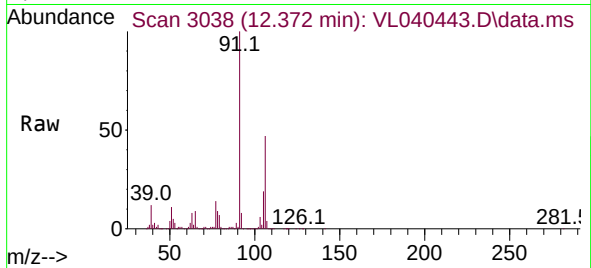
SG-2

Tgt Ion: 91 Resp: 2907676

Ion Ratio Lower Upper

91 100

106 46.5 34.9 52.3



#60

o-Xylene

Concen: 4.822 ppbv

RT: 13.085 min Scan# 3260

Delta R.T. 0.003 min

Lab File: VL040443.D

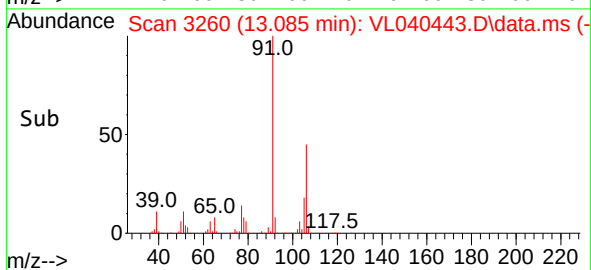
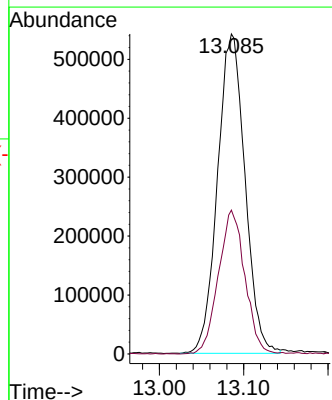
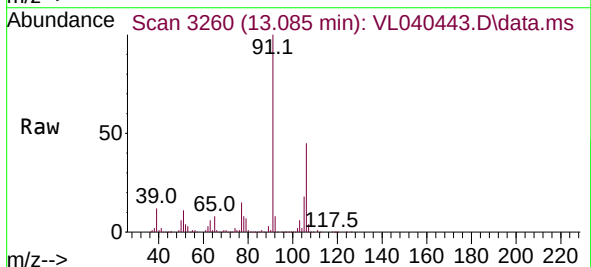
Acq: 16 May 2023 18:24

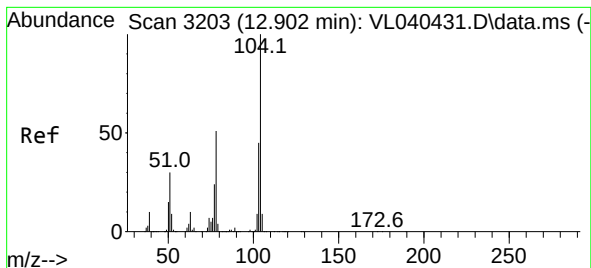
Tgt Ion: 91 Resp: 1224278

Ion Ratio Lower Upper

91 100

106 43.7 21.8 65.4





#61

Styrene

Concen: 0.059 ppbv

RT: 12.925 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

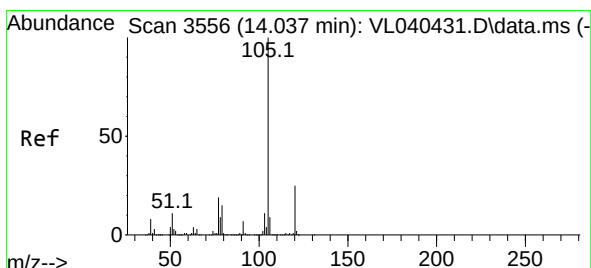
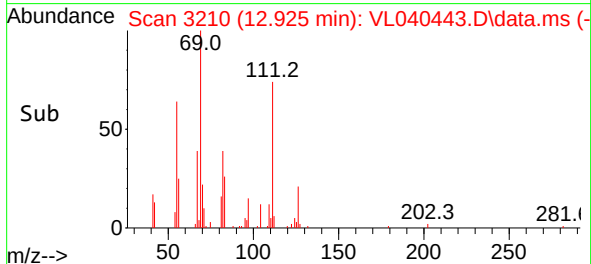
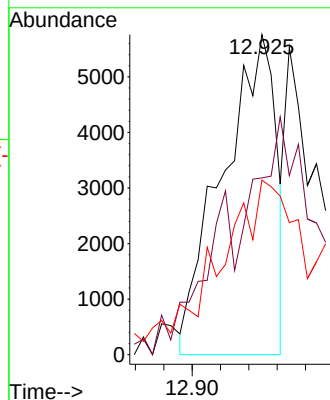
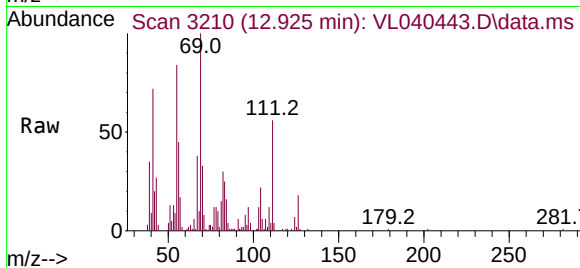
Tgt Ion:104 Resp: 7605

Ion Ratio Lower Upper

104 100

78 0.0 43.3 64.9#

103 102.8 37.4 56.2#



#62

Isopropylbenzene

Concen: 0.584 ppbv

RT: 14.056 min Scan# 3562

Delta R.T. 0.000 min

Lab File: VL040443.D

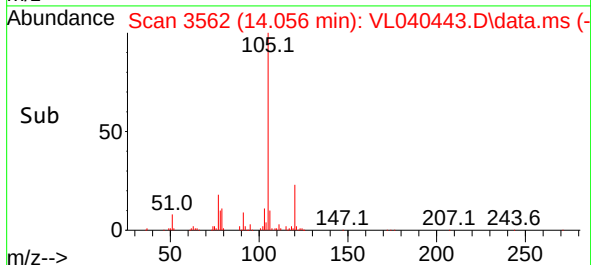
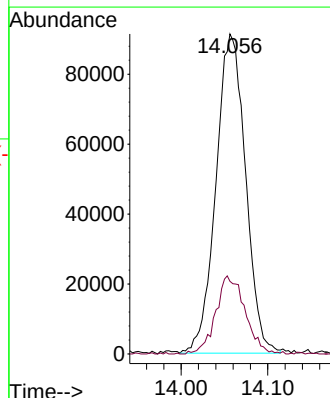
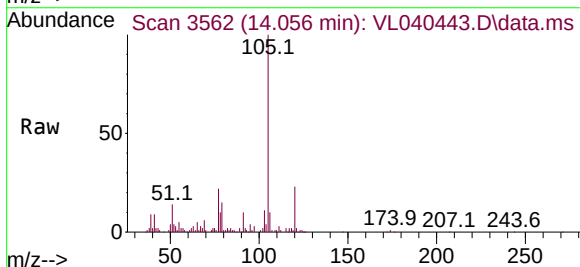
Acq: 16 May 2023 18:24

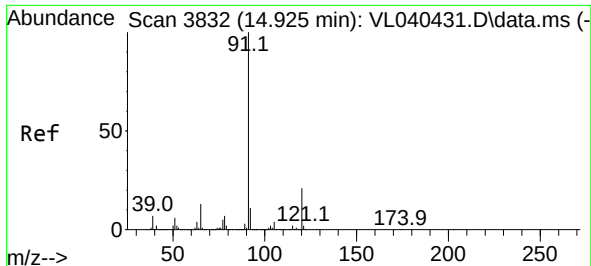
Tgt Ion:105 Resp: 216711

Ion Ratio Lower Upper

105 100

120 24.3 20.0 30.0

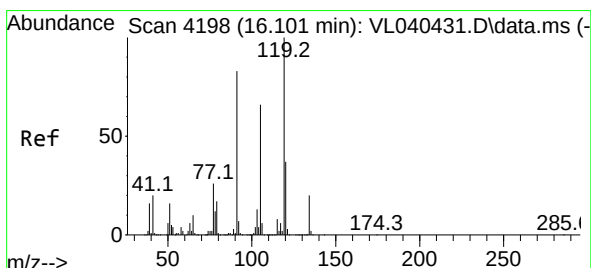
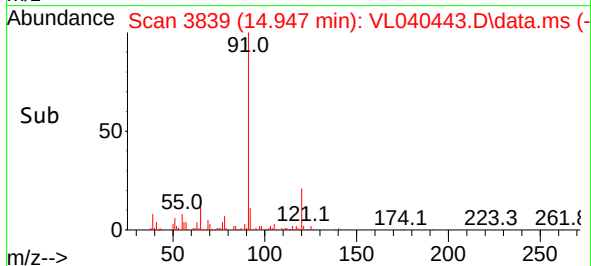
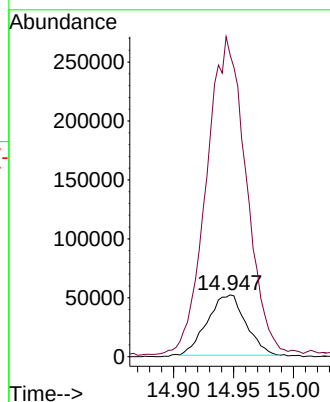
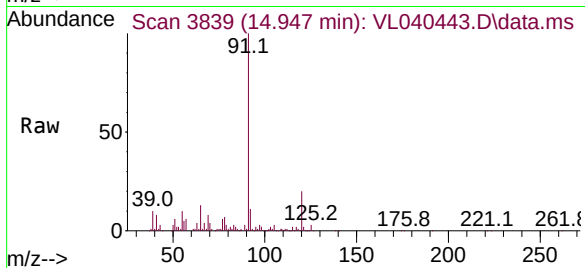




#64
n-propylbenzene
Concen: 1.242 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

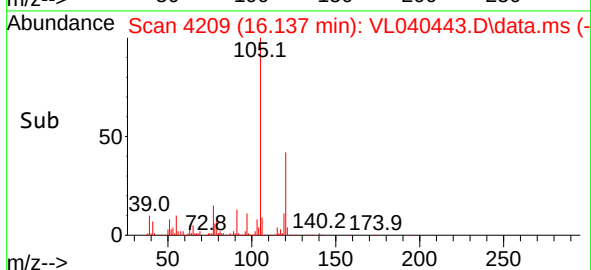
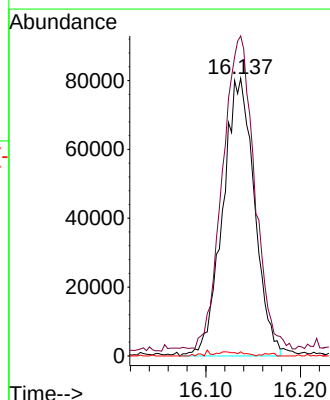
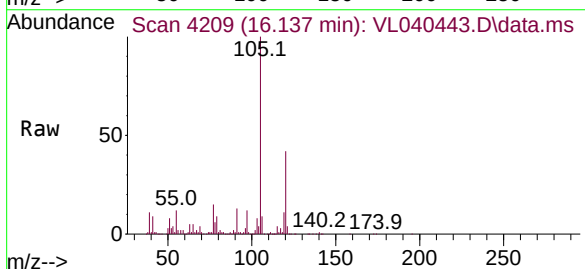
Instrument :
MSVOA_L
ClientSampleId :
SG-2

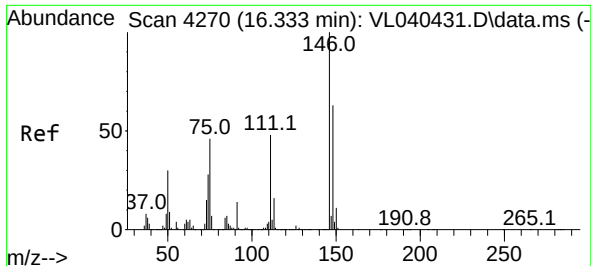
Tgt Ion:120 Resp: 113730
Ion Ratio Lower Upper
120 100
91 549.8 393.2 589.8



#65
tert-Butylbenzene
Concen: 0.577 ppbv
RT: 16.137 min Scan# 4209
Delta R.T. 0.019 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion:119 Resp: 187653
Ion Ratio Lower Upper
119 100
91 116.5 69.8 104.6#
134 1.9 15.4 23.2#

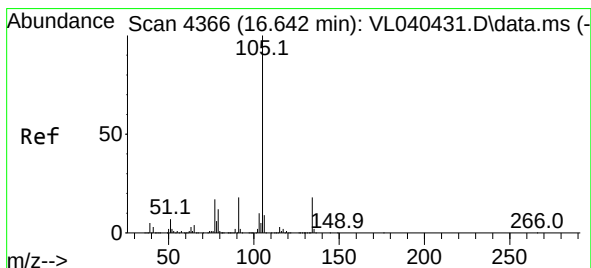
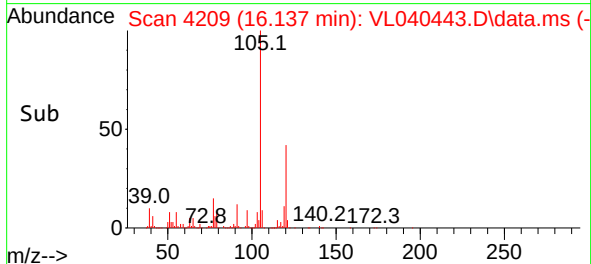
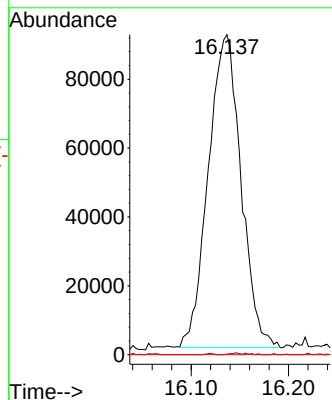
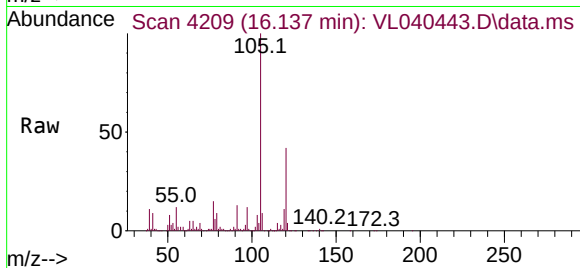




#66
Benzyl Chloride
Concen: 11.000 ppbv
RT: 16.137 min Scan# 41
Delta R.T. -0.215 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

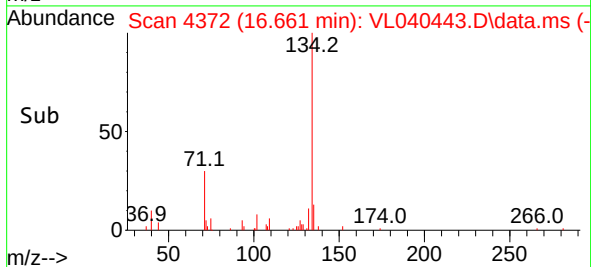
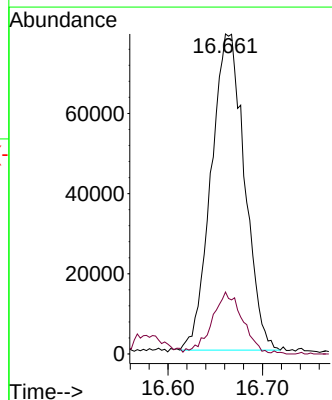
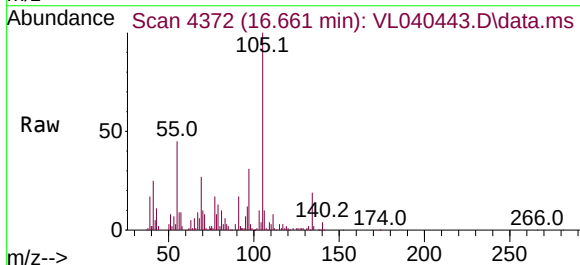
Instrument :
MSVOA_1
ClientSampleId :
SG-2

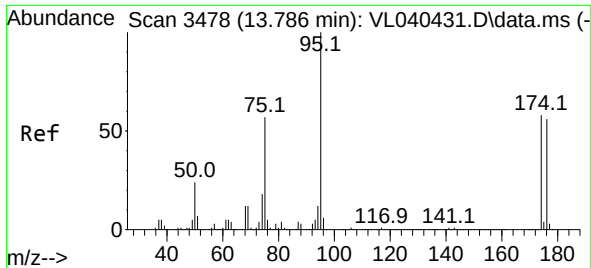
Tgt Ion: 91 Resp: 212436
Ion Ratio Lower Upper
91 100
126 0.2 12.6 19.0#
128 0.0 3.9 5.9#



#67
sec-Butylbenzene
Concen: 0.413 ppbv
RT: 16.661 min Scan# 4372
Delta R.T. -0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 105 Resp: 193674
Ion Ratio Lower Upper
105 100
134 18.3 14.1 21.1

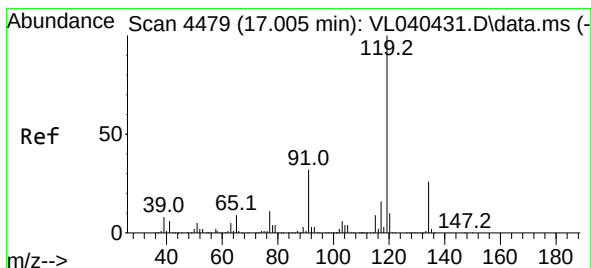
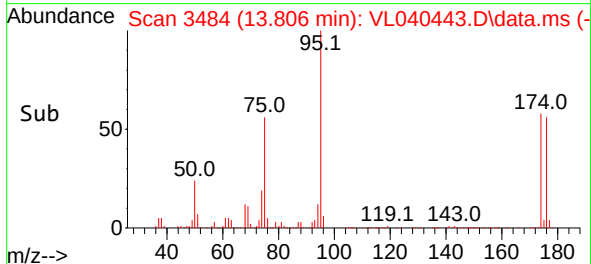
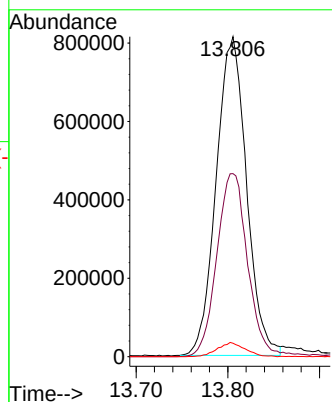
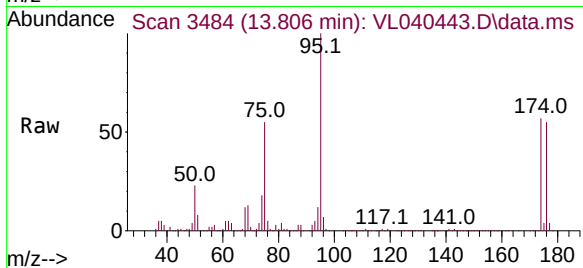




#68
1-Bromo-4-Fluorobenzene
Concen: 10.048 ppbv
RT: 13.806 min Scan# 3478
Delta R.T. 0.007 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

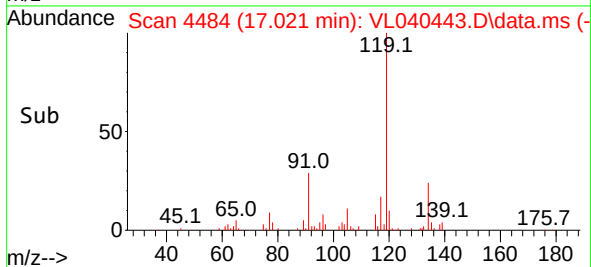
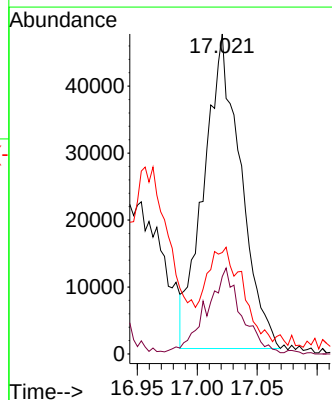
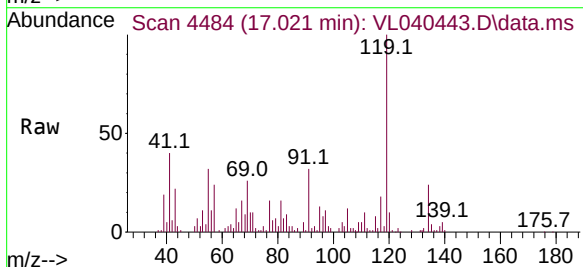
Instrument :
MSVOA_1
ClientSampleId :
SG-2

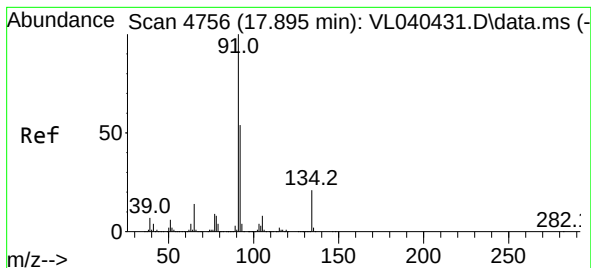
Tgt Ion: 95 Resp: 1867460
Ion Ratio Lower Upper
95 100
174 59.3 47.0 70.6
175 4.1 3.4 5.0



#69
p-Isopropyltoluene
Concen: 0.273 ppbv
RT: 17.021 min Scan# 4484
Delta R.T. 0.000 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 119 Resp: 100420
Ion Ratio Lower Upper
119 100
134 26.5 20.2 30.4
91 36.2 25.4 38.0

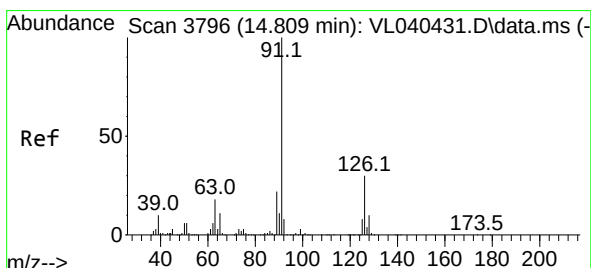
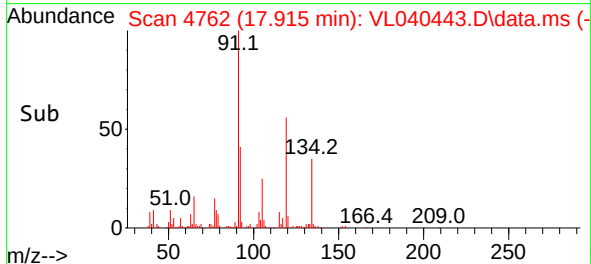
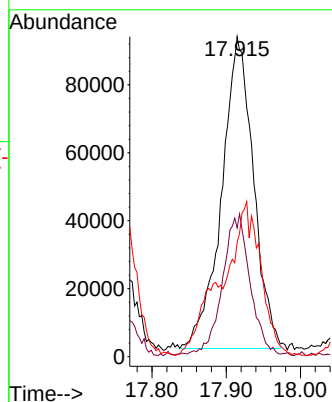
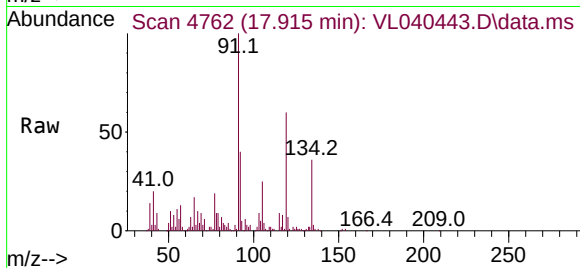




#70
n-Butylbenzene
Concen: 0.666 ppbv
RT: 17.915 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

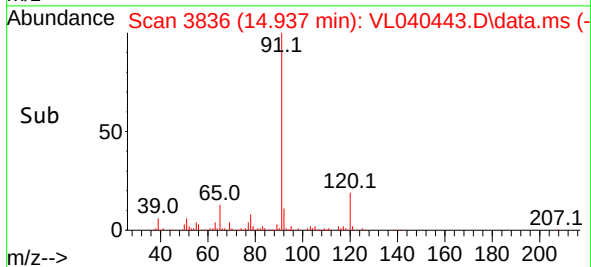
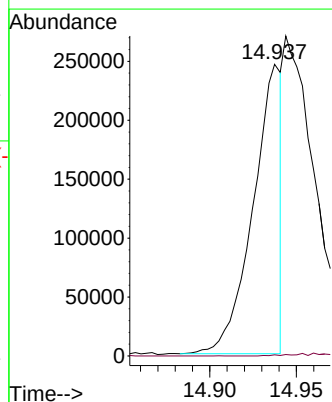
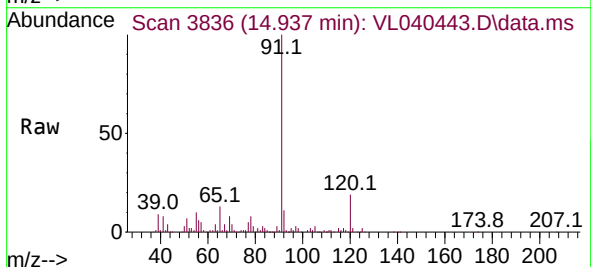
Instrument :
MSVOA_L
ClientSampleId :
SG-2

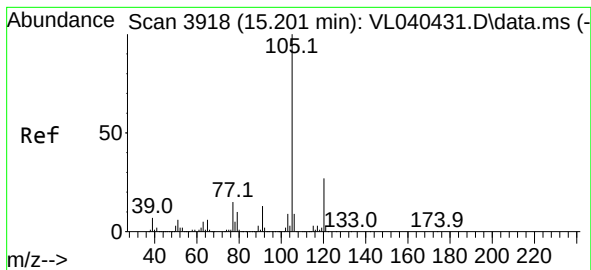
Tgt Ion: 91 Resp: 273140
Ion Ratio Lower Upper
91 100
92 40.0 43.2 64.8#
134 61.7 16.9 25.3#



#71
2-Chlorotoluene
Concen: 0.990 ppbv
RT: 14.937 min Scan# 3836
Delta R.T. 0.113 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion: 91 Resp: 279672
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.0#





#72

4-Ethyltoluene

Concen: 2.082 ppbv

RT: 15.220 min Scan# 3918

Delta R.T. 0.000 min

Lab File: VL040443.D

Acq: 16 May 2023 18:24

Instrument :

MSVOA_L

ClientSampleId :

SG-2

Tgt Ion:105 Resp: 599301

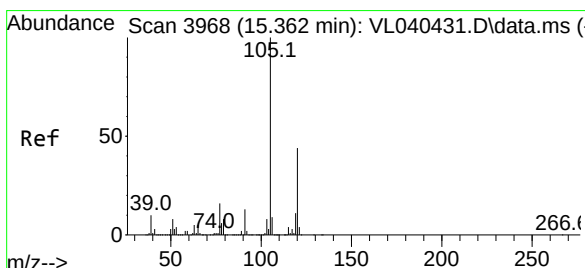
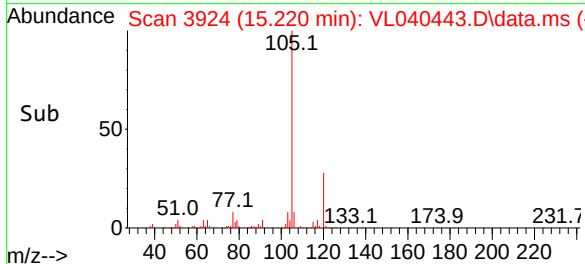
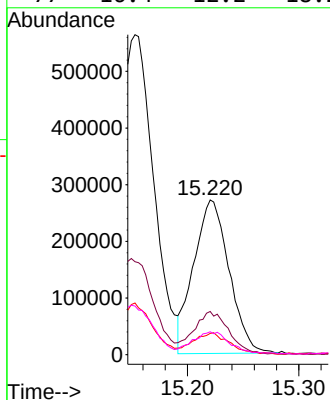
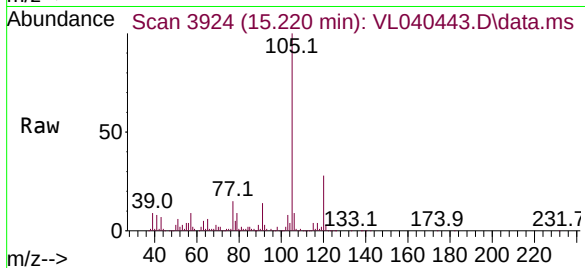
Ion Ratio Lower Upper

105 100

120 27.3 23.8 35.8

91 14.0 11.0 16.4

77 16.4 12.2 18.2



#73

1,3,5-Trimethylbenzene

Concen: 2.243 ppbv

RT: 15.378 min Scan# 3973

Delta R.T. 0.003 min

Lab File: VL040443.D

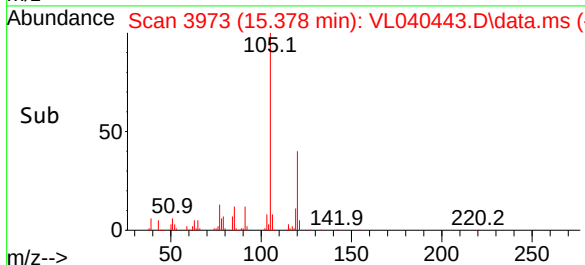
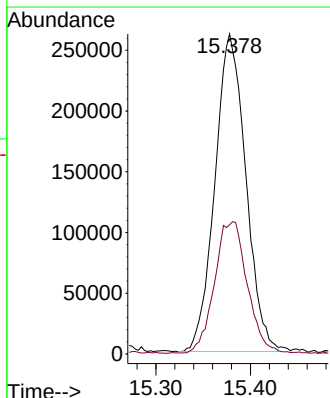
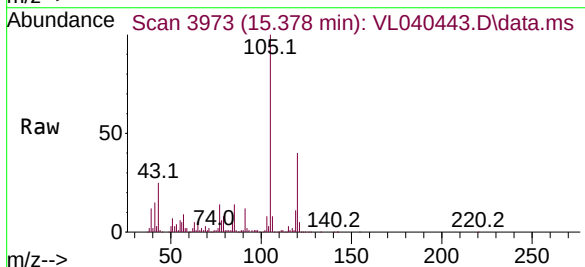
Acq: 16 May 2023 18:24

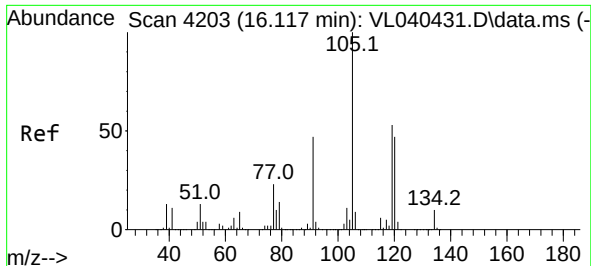
Tgt Ion:105 Resp: 592751

Ion Ratio Lower Upper

105 100

120 40.3 35.2 52.8

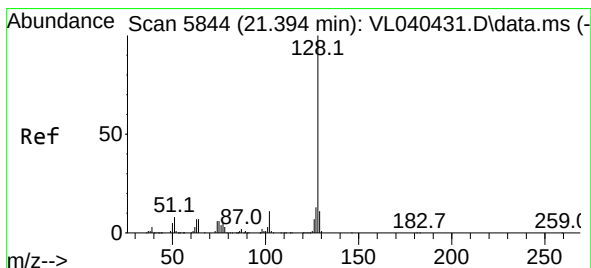
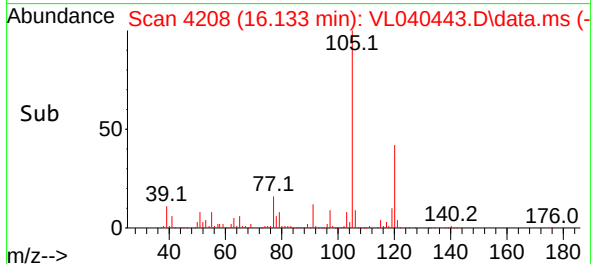
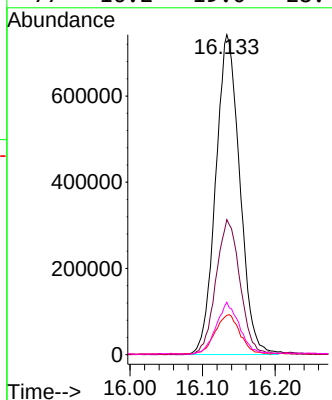
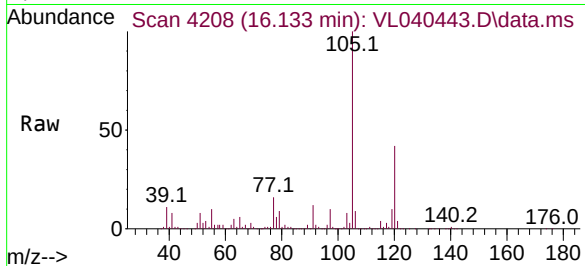




#74
1,2,4-Trimethylbenzene
Concen: 5.632 ppbv
RT: 16.133 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:105 Resp: 1712774
Ion Ratio Lower Upper
105 100
120 42.2 38.1 57.1
91 12.0 40.2 60.2#
77 16.2 19.0 28.4#



#79
Naphthalene
Concen: 0.110 ppbv
RT: 21.413 min Scan# 5850
Delta R.T. -0.003 min
Lab File: VL040443.D
Acq: 16 May 2023 18:24

Tgt Ion:128 Resp: 20190
Ion Ratio Lower Upper
128 100
127 11.2 10.3 15.5
129 12.6 9.0 13.6

