

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040392.D
 Acq On : 19 Apr 2023 23:02
 Operator : SY/MD
 Sample : 02410-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 20 07:49:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1107475	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2938834	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.459	117	2743056	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2268723	10.002	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	27019	0.135	ppbv	98
3) Chlorodifluoromethane	2.655	51	39409	0.272	ppbv #	81
4) Chloromethane	2.797	50	15295	0.167	ppbv	90
5) Vinyl Chloride	2.896	62	2519	0.033	ppbv	90
7) Chloroethane	3.173	64	4059	0.142	ppbv #	74
9) Propene	2.851	41	3894068	68.111	ppbv	99
10) Heptane	7.568	43	147025	1.132	ppbv	99
11) Trichlorofluoromethane	3.542	101	34168	0.169	ppbv	84
13) Ethanol	3.221	45	29915	6.268	ppbv	81
15) Acetone	3.446	43	947374	6.040	ppbv #	80
16) 1,3-Butadiene	2.948	39	445658	6.865	ppbv #	19
19) Isopropyl Alcohol	3.562	45	27149	0.379	ppbv #	90
20) Methylene Chloride	3.915	84	98788	1.577	ppbv	94
21) Allyl Chloride	3.973	41	3400	0.038	ppbv #	19
23) Vinyl Acetate	4.594	43	20724	0.519	ppbv #	1
25) Ethyl Acetate	5.195	43	203349	0.770	ppbv #	76
26) Hexane	5.198	57	296419	2.664	ppbv #	37
27) Carbon Disulfide	4.105	76	123556	0.858	ppbv #	89
29) Chloroform	5.256	83	112736	0.569	ppbv	96
30) Cyclohexane	6.584	84	85060	0.987	ppbv #	89
34) 2-Butanone	4.768	43	765989	4.834	ppbv	98
36) Benzene	6.356	78	835047	3.483	ppbv	98
37) 1,2-Dichloroethane	5.793	62	7702	0.049	ppbv #	94
38) Trichloroethene	7.275	130	10535	0.077	ppbv #	76
39) 1,2-Dichloropropane	6.639	63	697009	7.388	ppbv #	25
41) Tetrahydrofuran	5.546	42	221794	2.556	ppbv	99
42) Bromodichloromethane	7.237	83	9738	0.045	ppbv #	26
44) 2,2,4-Trimethylpentane	7.311	57	481384	1.202	ppbv #	51
51) 2-Hexanone	9.526	43	20023	0.113	ppbv #	30
52) Tetrachloroethene	10.603	164	13501	0.180	ppbv #	83
53) Toluene	9.211	91	620492	2.441	ppbv	99
58) Ethyl Benzene	12.079	91	360340	1.068	ppbv	96
59) m/p-Xylene	12.336	91	806077	2.598	ppbv	95
60) o-Xylene	13.047	91	428562	1.439	ppbv	99
61) Styrene	12.886	104	5670	0.038	ppbv #	1
62) Isopropylbenzene	14.024	105	85255	0.199	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.037	83	4648	0.043	ppbv #	24
64) n-propylbenzene	14.909	120	18095	0.171	ppbv #	1
65) tert-Butylbenzene	16.085	119	19033	0.050	ppbv #	15
67) sec-Butylbenzene	16.629	105	68801	0.127	ppbv	97
69) p-Isopropyltoluene	16.986	119	13476	0.032	ppbv #	1
70) n-Butylbenzene	17.892	91	43352	0.092	ppbv #	41
71) 2-Chlorotoluene	15.124	91	15473	0.047	ppbv	67

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

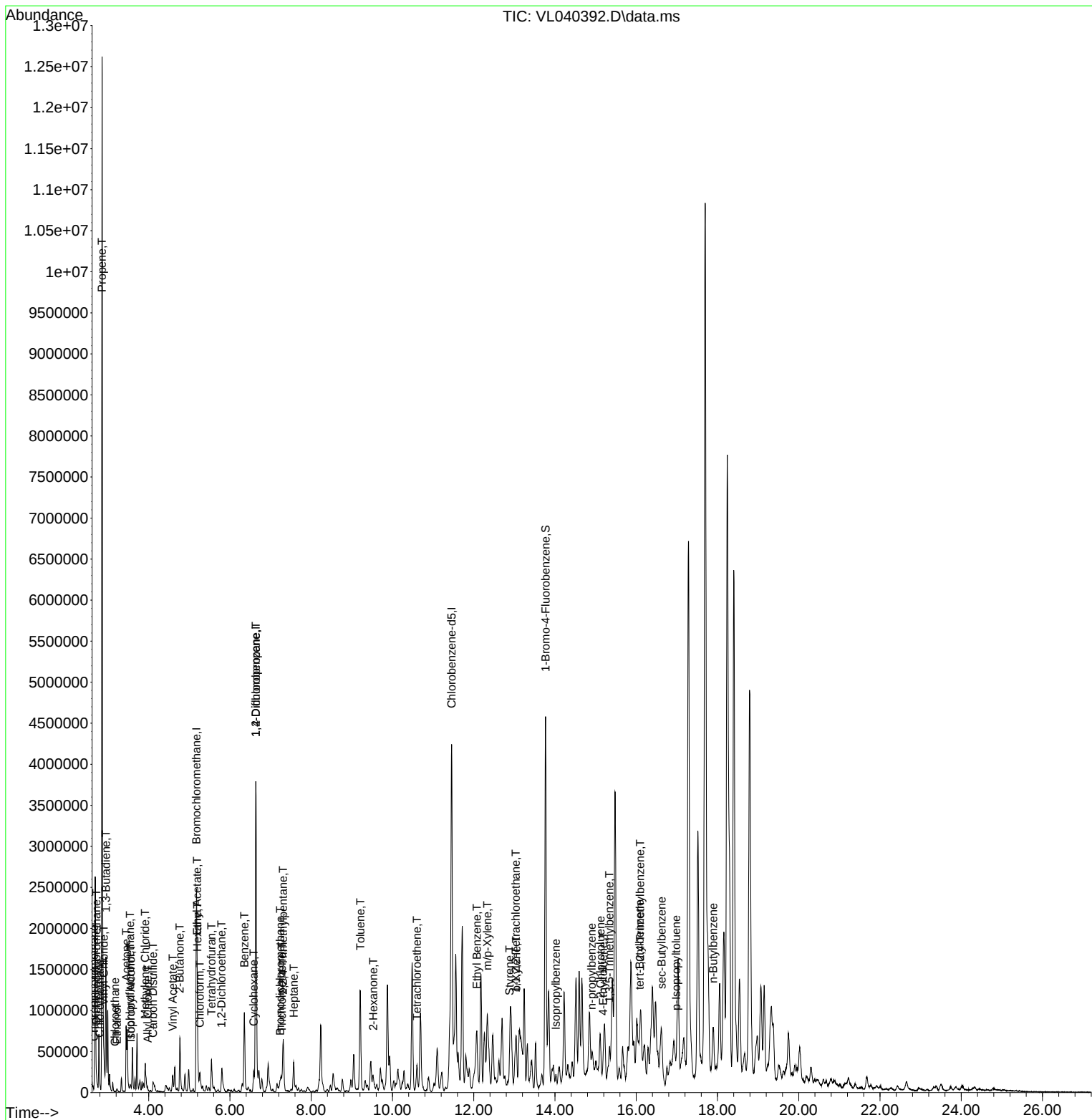
Instrument :
MSVOA_L
ClientSampleId :

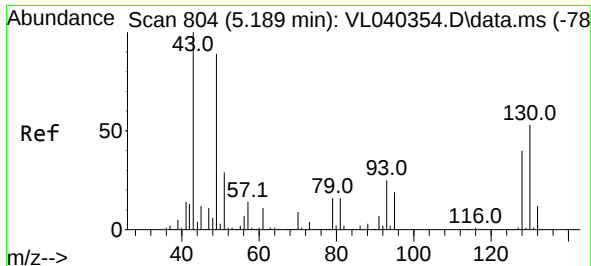
Quant Time: Apr 20 07:49:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.182	105	85782	0.261	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.339	105	154345	0.508	ppbv	88
74) 1,2,4-Trimethylbenzene	16.098	105	362713	1.045	ppbv #	67

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

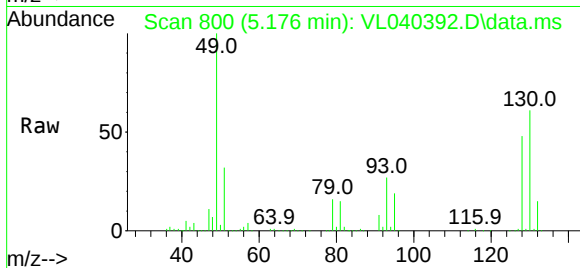
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Response via : Initial Calibration



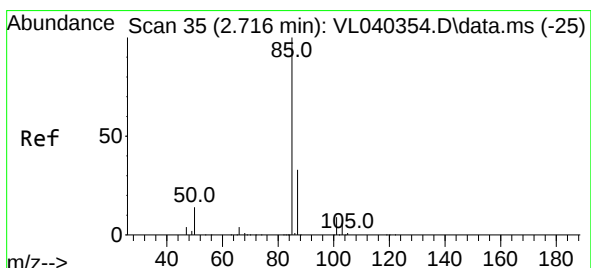
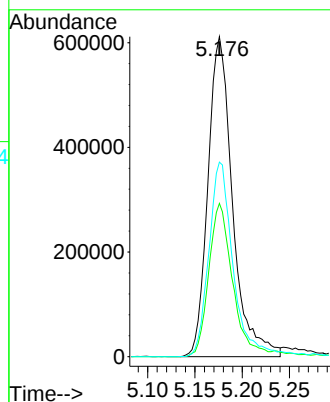
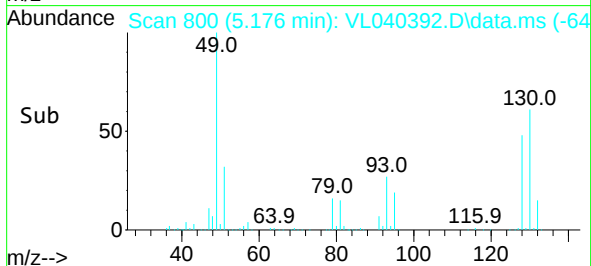


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.013 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

Instrument :
 MSVOA_L
 ClientSampleId :

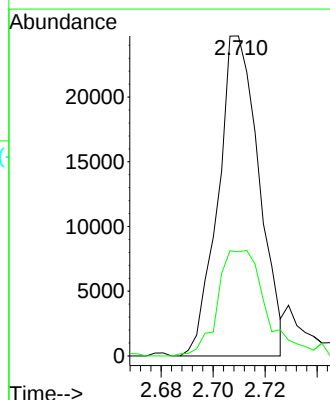
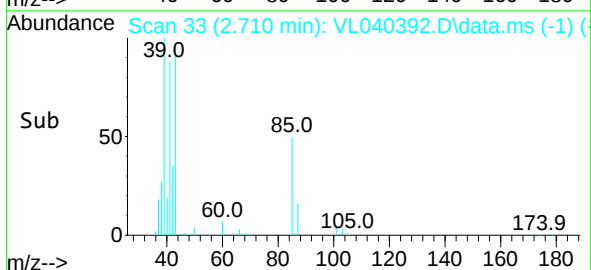
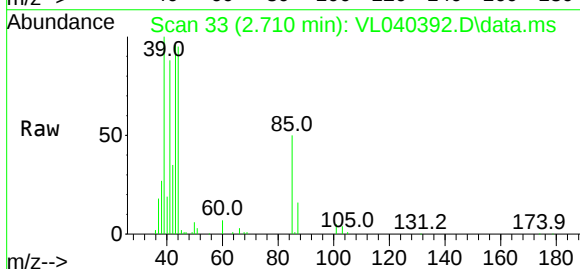


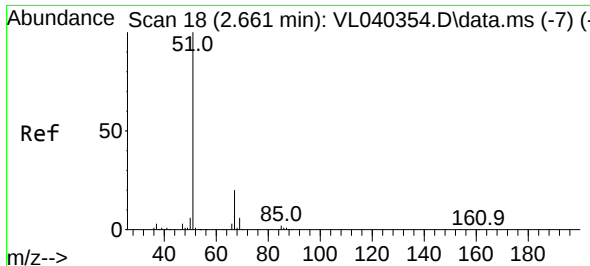
Tgt Ion: 49 Resp: 1107475
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.7 71.1
 130 61.8 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.135 ppbv
 RT: 2.710 min Scan# 33
 Delta R.T. -0.006 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

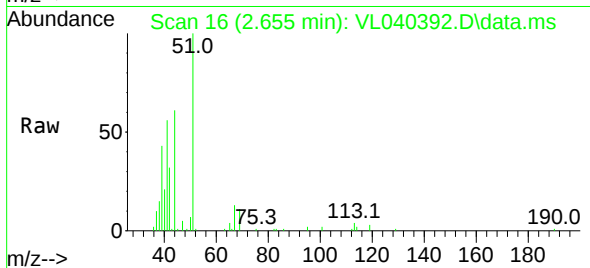
Tgt Ion: 85 Resp: 27019
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.6 40.0



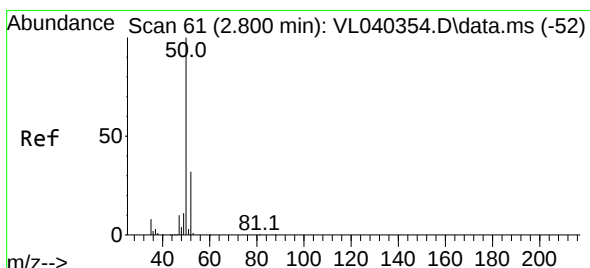
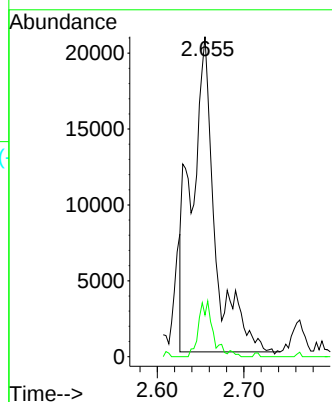
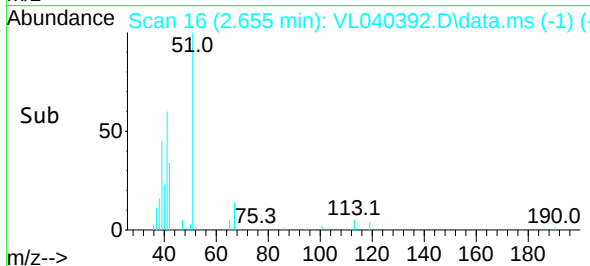


#3
Chlorodifluoromethane
Concen: 0.272 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :

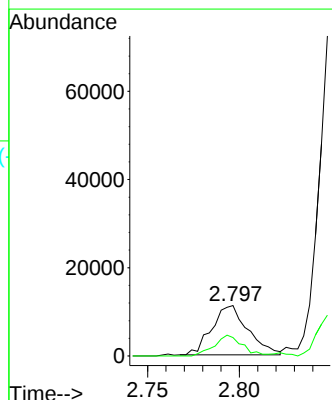
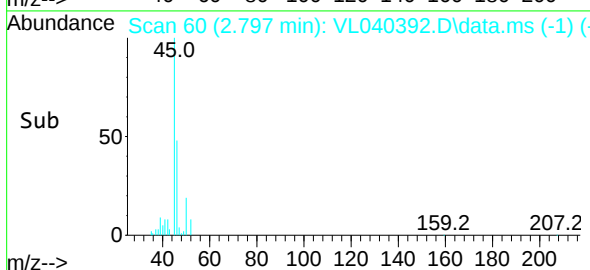
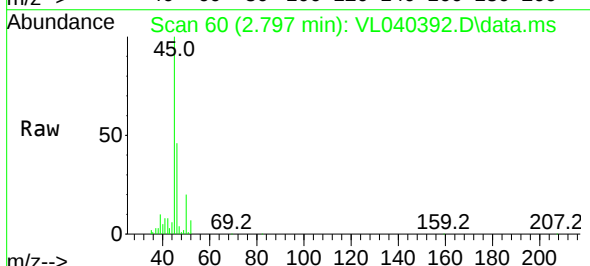


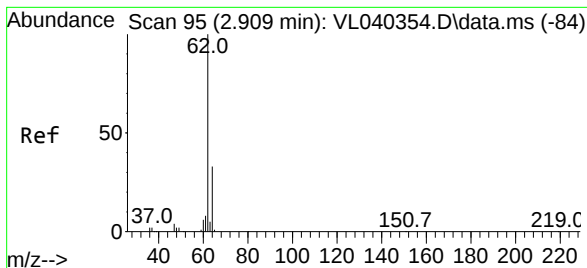
Tgt Ion: 51 Resp: 39409
Ion Ratio Lower Upper
51 100
67 10.8 15.5 23.3#



#4
Chloromethane
Concen: 0.167 ppbv
RT: 2.797 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

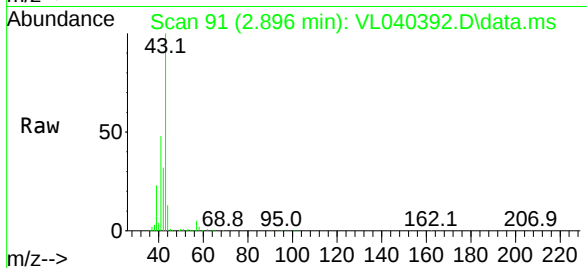
Tgt Ion: 50 Resp: 15295
Ion Ratio Lower Upper
50 100
52 37.3 25.3 37.9



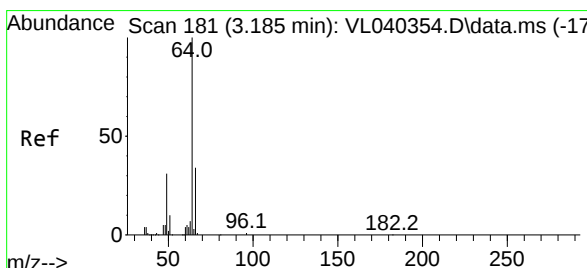
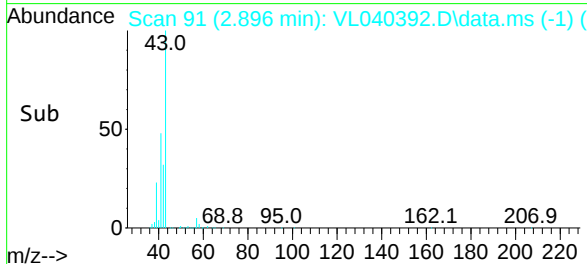
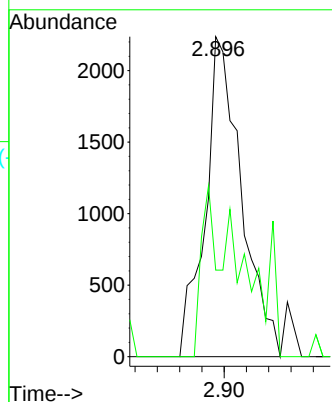


#5
 Vinyl Chloride
 Concen: 0.033 ppbv
 RT: 2.896 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

Instrument :
 MSVOA_L
 ClientSampleId :

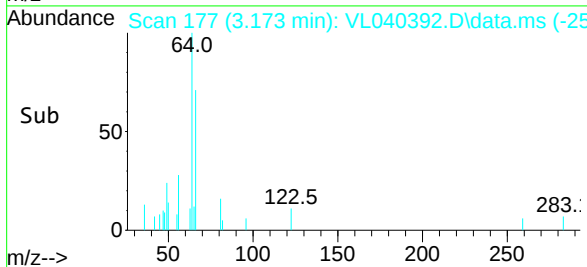
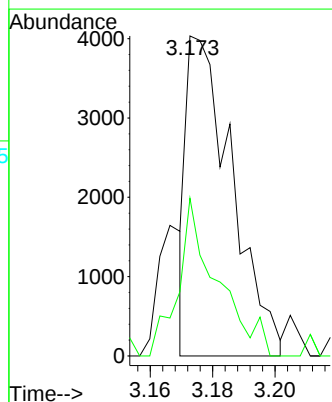
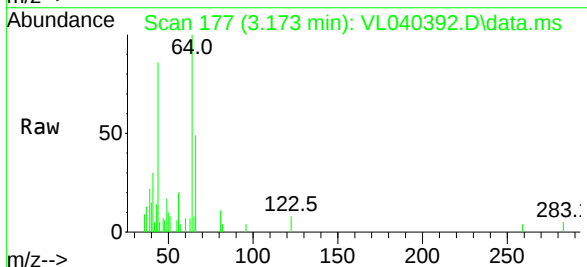


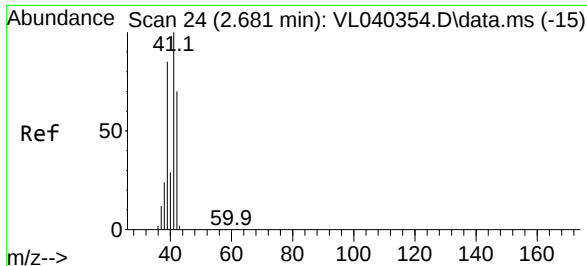
Tgt Ion: 62 Resp: 2519
 Ion Ratio Lower Upper
 62 100
 64 27.0 26.3 39.5



#7
 Chloroethane
 Concen: 0.142 ppbv
 RT: 3.173 min Scan# 177
 Delta R.T. -0.012 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

Tgt Ion: 64 Resp: 4059
 Ion Ratio Lower Upper
 64 100
 66 49.3 27.5 41.3#

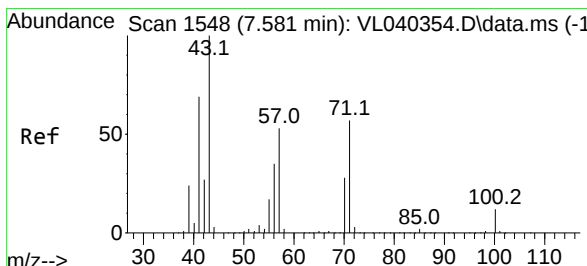
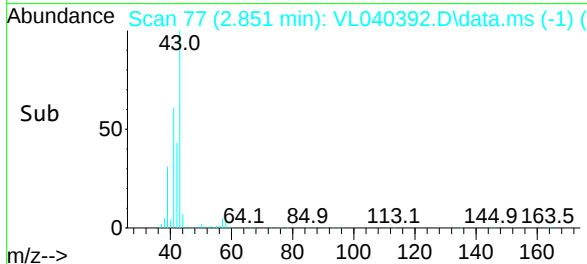
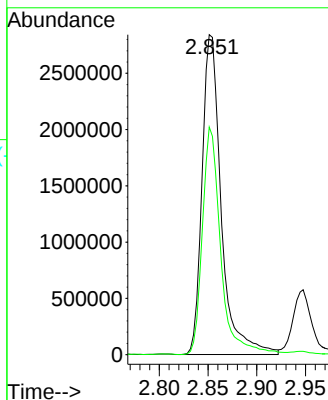
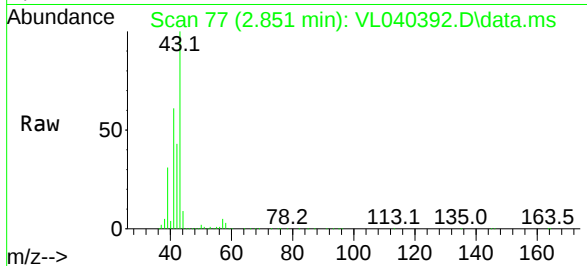




#9
 Propene
 Concen: 68.111 ppbv
 RT: 2.851 min Scan# 71
 Delta R.T. 0.170 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

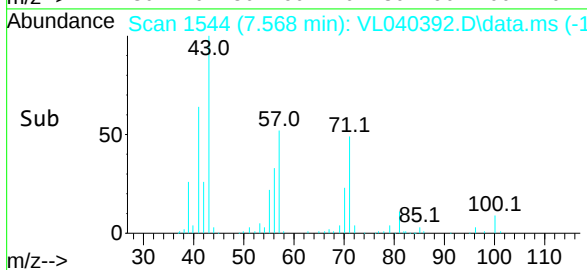
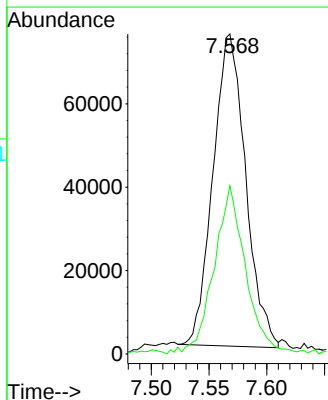
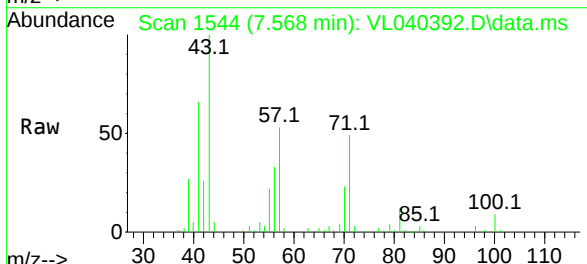
Instrument :
 MSVOA_L
 ClientSampleId :

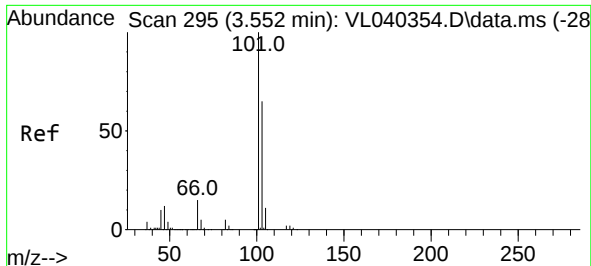
Tgt Ion: 41 Resp: 3894068
 Ion Ratio Lower Upper
 41 100
 42 69.7 56.5 84.7



#10
 Heptane
 Concen: 1.132 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. -0.013 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

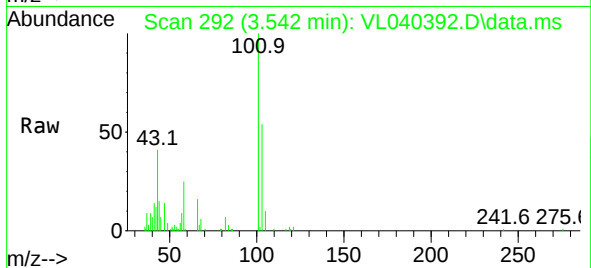
Tgt Ion: 43 Resp: 147025
 Ion Ratio Lower Upper
 43 100
 57 53.8 42.2 63.4



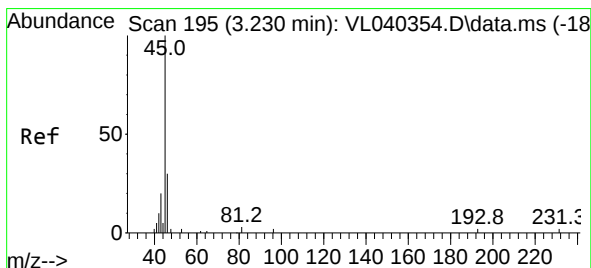
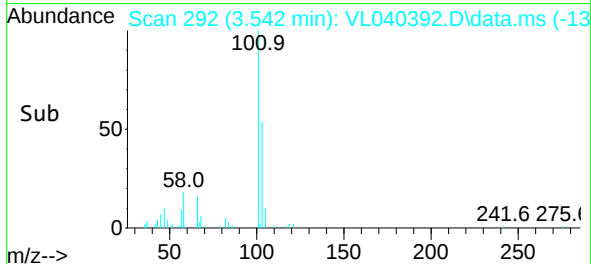
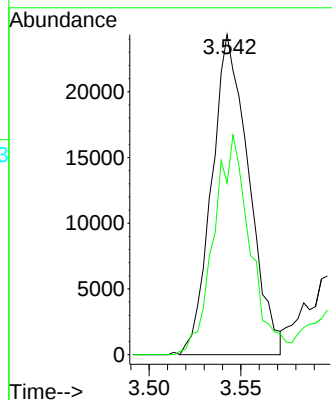


#11
 Trichlorofluoromethane
 Concen: 0.169 ppbv
 RT: 3.542 min Scan# 295
 Delta R.T. -0.010 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

Instrument :
 MSVOA_L
 ClientSampleId :

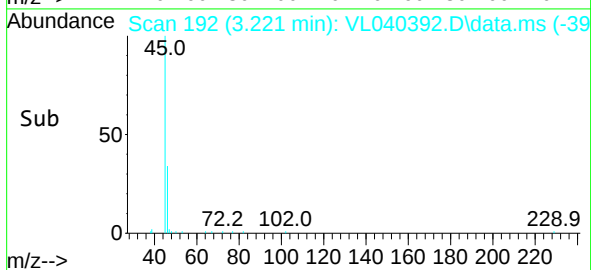
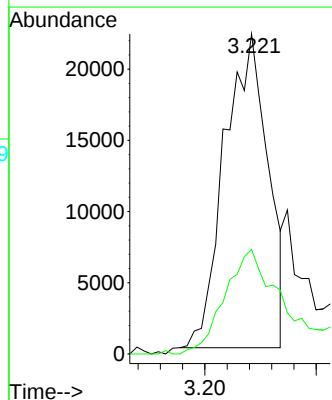
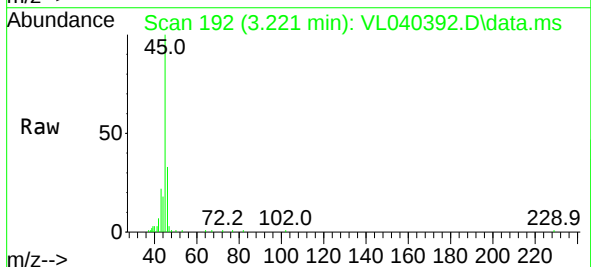


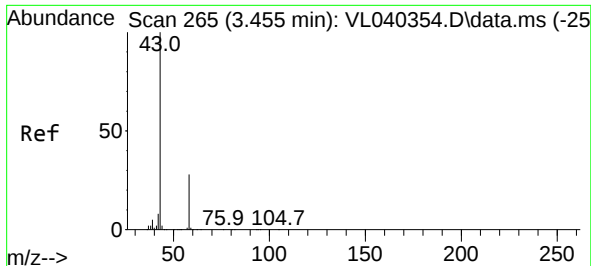
Tgt Ion:101 Resp: 34168
 Ion Ratio Lower Upper
 101 100
 103 52.6 52.2 78.4



#13
 Ethanol
 Concen: 6.268 ppbv
 RT: 3.221 min Scan# 192
 Delta R.T. -0.009 min
 Lab File: VL040392.D
 Acq: 19 Apr 2023 23:02

Tgt Ion: 45 Resp: 29915
 Ion Ratio Lower Upper
 45 100
 46 49.9 15.3 61.3

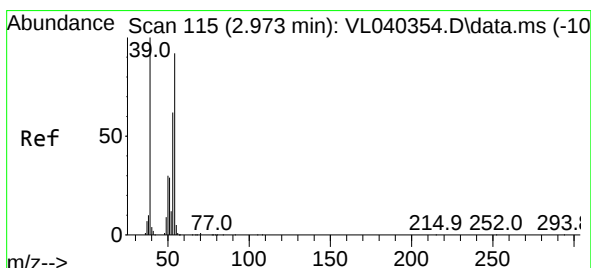
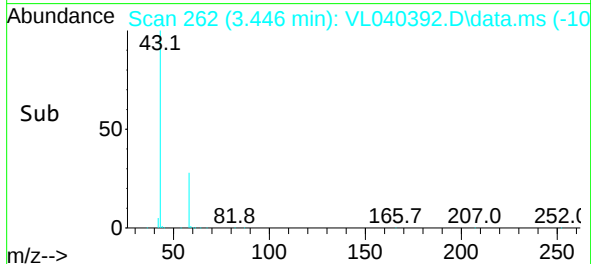
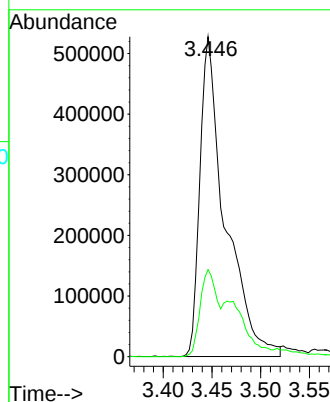
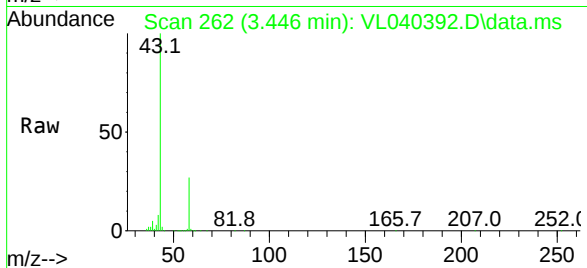




#15
Acetone
Concen: 6.040 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.009 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

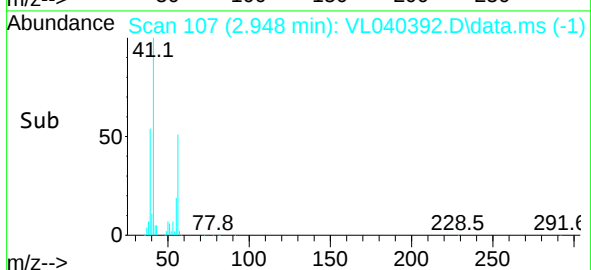
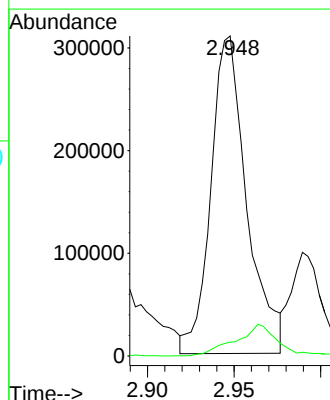
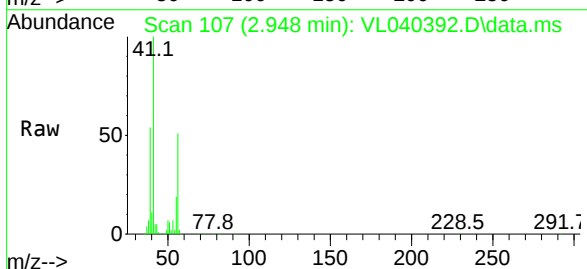
Instrument :
MSVOA_L
ClientSampleId :

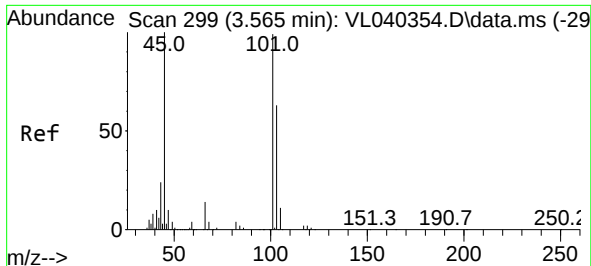
Tgt Ion: 43 Resp: 947374
Ion Ratio Lower Upper
43 100
58 37.9 22.2 33.2#



#16
1,3-Butadiene
Concen: 6.865 ppbv
RT: 2.948 min Scan# 107
Delta R.T. -0.025 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 39 Resp: 445658
Ion Ratio Lower Upper
39 100
54 12.0 68.8 103.2#

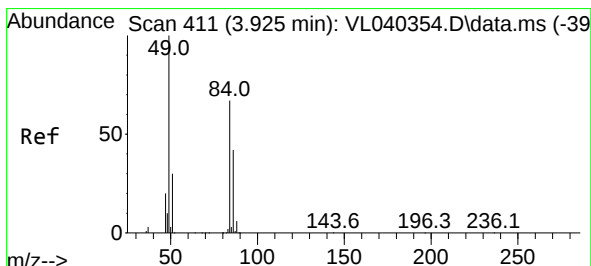
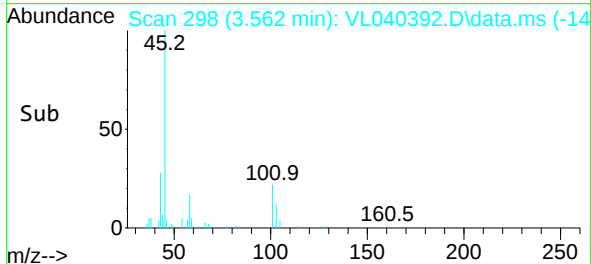
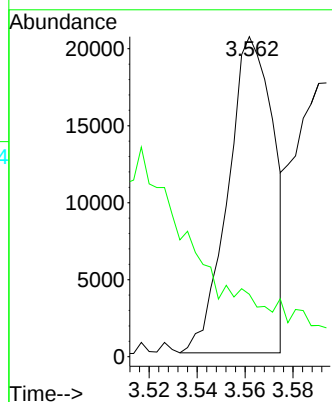
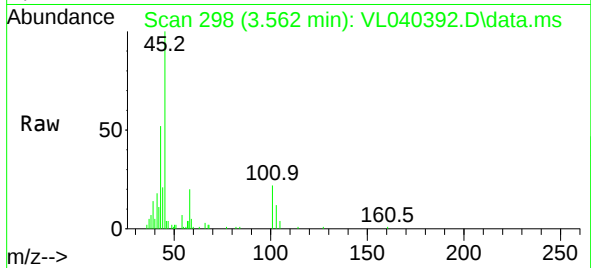




#19
Isopropyl Alcohol
Concen: 0.379 ppbv
RT: 3.562 min Scan# 299
Delta R.T. -0.003 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

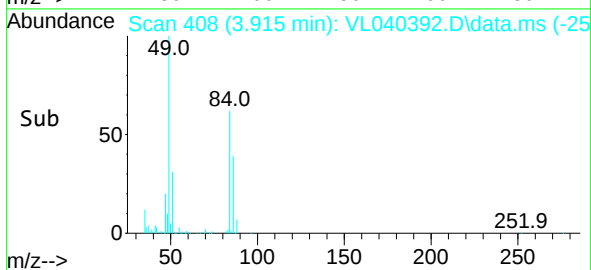
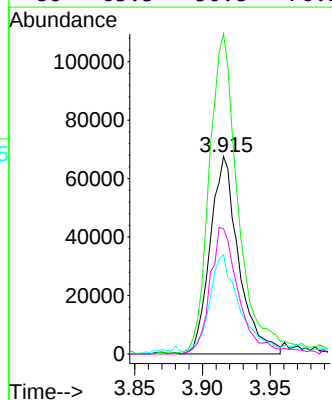
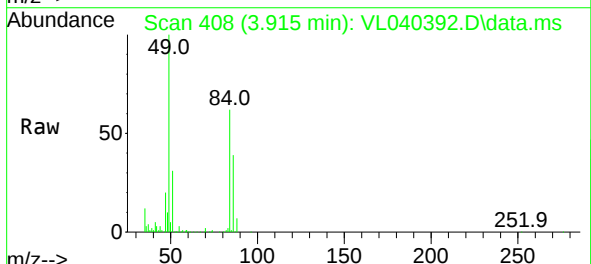
Instrument :
MSVOA_L
ClientSampleId :

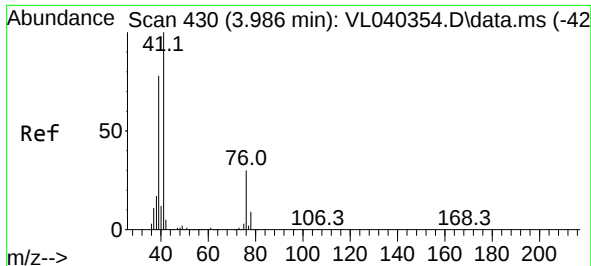
Tgt Ion: 45 Resp: 27149
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0#



#20
Methylene Chloride
Concen: 1.577 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 84 Resp: 98788
Ion Ratio Lower Upper
84 100
49 161.3 120.1 180.1
51 48.6 36.3 54.5
86 63.3 50.8 76.2





#21

Allyl Chloride

Concen: 0.038 ppbv

RT: 3.973 min Scan# 41

Delta R.T. -0.013 min

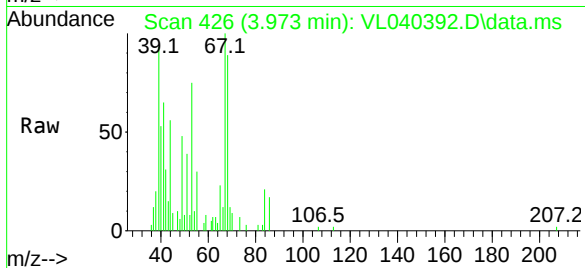
Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

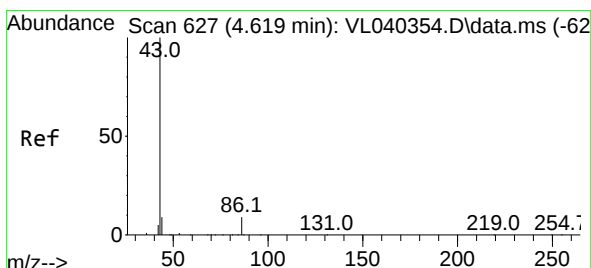
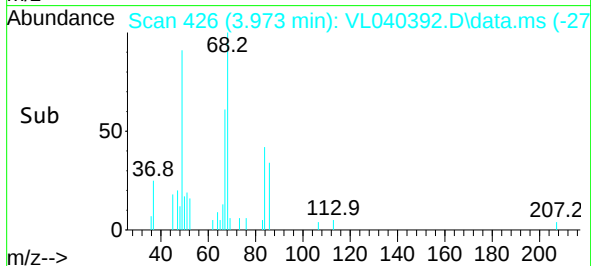
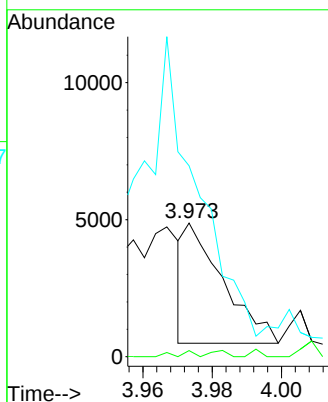
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	41	Resp:	3400
Ion Ratio	Lower	Upper	
41	100		
76	0.0	25.5	38.3#
39	0.0	64.0	96.0#



#23

Vinyl Acetate

Concen: 0.519 ppbv

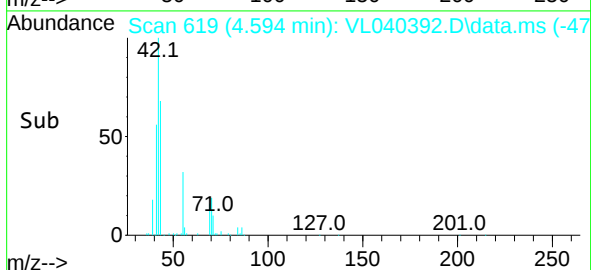
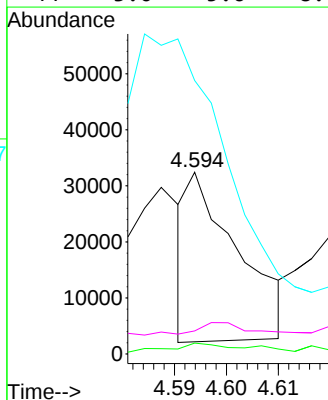
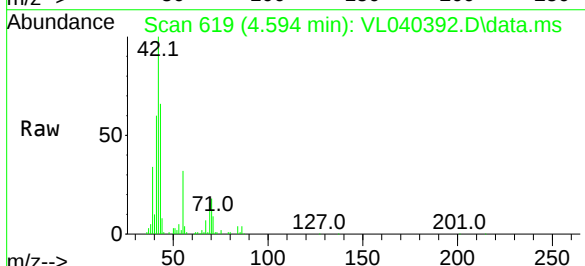
RT: 4.594 min Scan# 619

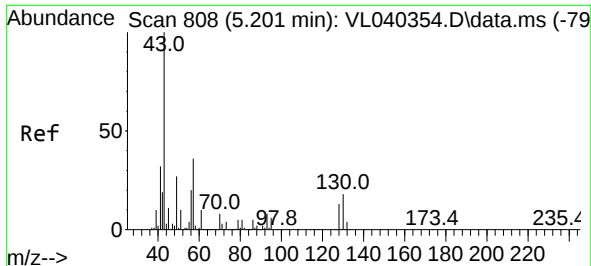
Delta R.T. -0.025 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

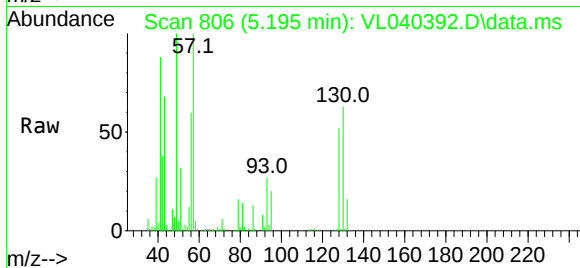
Tgt Ion:	43	Resp:	20724
Ion Ratio	Lower	Upper	
43	100		
86	5.4	6.0	9.0#
42	178.9	6.4	9.6#
44	3.0	5.6	8.4#



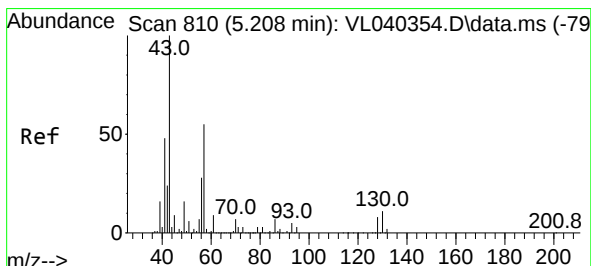
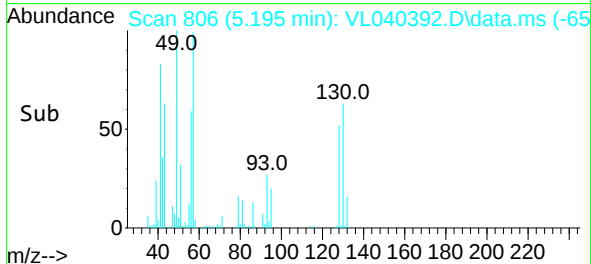
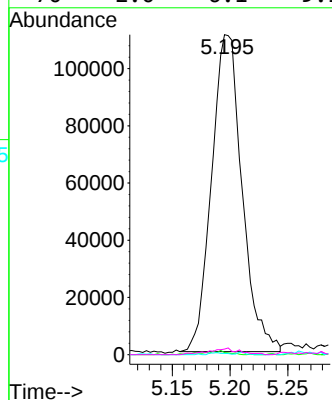


#25
Ethyl Acetate
Concen: 0.770 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.006 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :

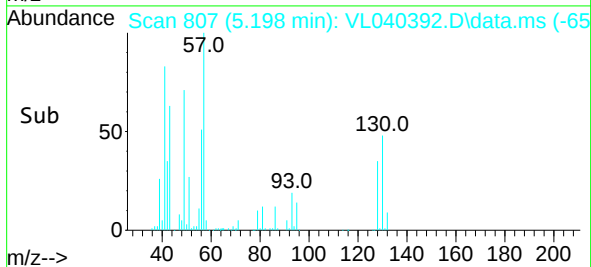
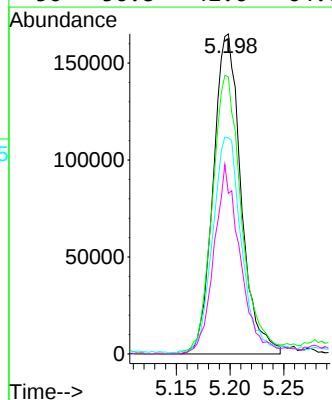
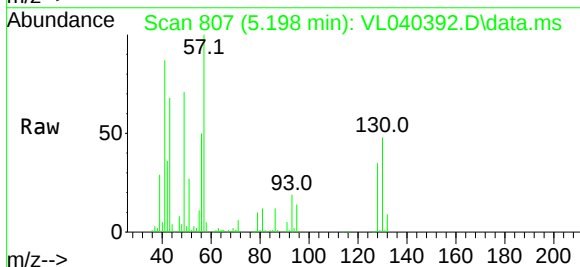


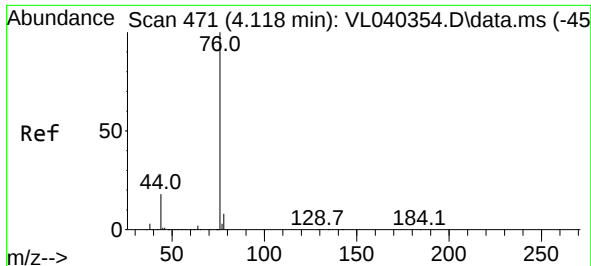
Tgt Ion: 43 Resp: 203349
Ion Ratio Lower Upper
43 100
45 1.0 8.5 12.7#
61 0.3 8.5 12.7#
70 2.0 6.1 9.1#



#26
Hexane
Concen: 2.664 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

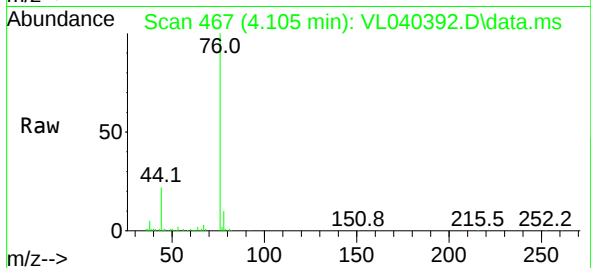
Tgt Ion: 57 Resp: 296419
Ion Ratio Lower Upper
57 100
41 93.3 74.8 112.2
43 70.3 192.7 289.1#
56 56.8 42.6 64.0



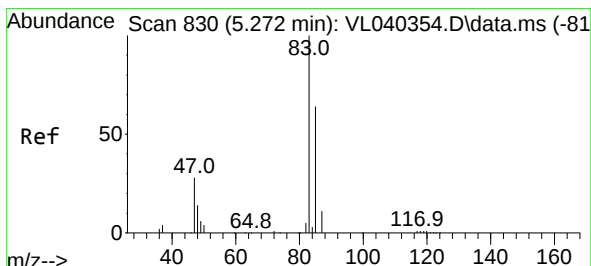
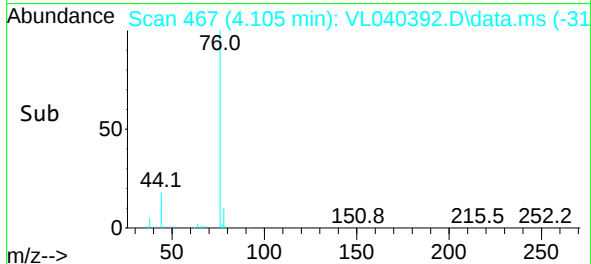
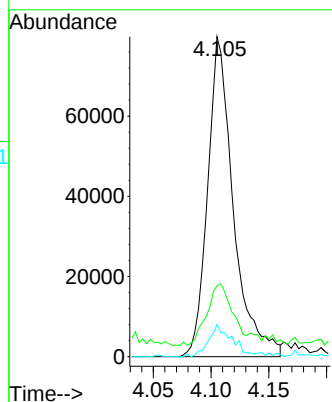


#27
Carbon Disulfide
Concen: 0.858 ppbv
RT: 4.105 min Scan# 411
Delta R.T. -0.013 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :

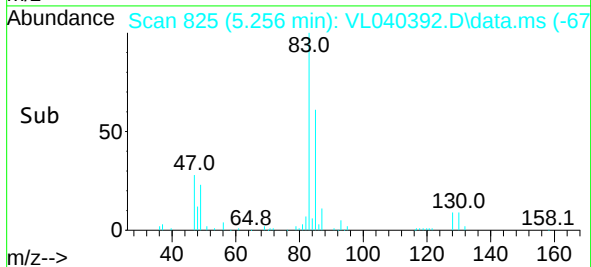
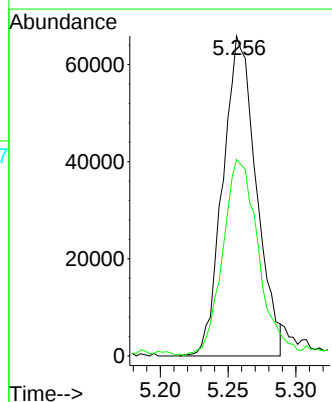
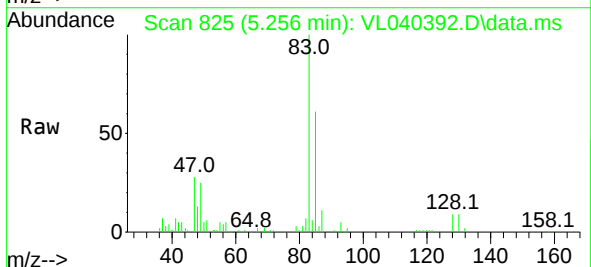


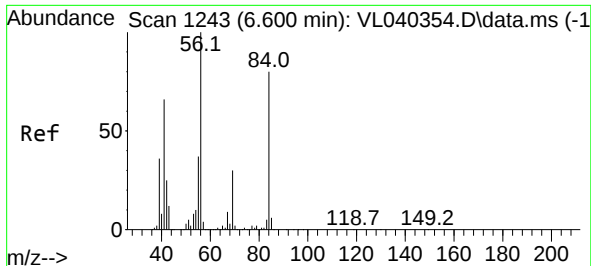
Tgt Ion: 76 Resp: 123556
Ion Ratio Lower Upper
76 100
44 24.8 14.7 22.1#
78 10.9 7.7 11.5



#29
Chloroform
Concen: 0.569 ppbv
RT: 5.256 min Scan# 825
Delta R.T. -0.016 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 83 Resp: 112736
Ion Ratio Lower Upper
83 100
85 60.8 51.0 76.4

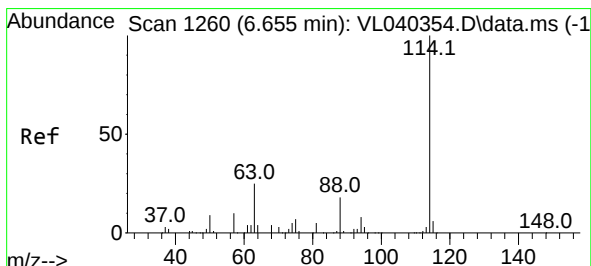
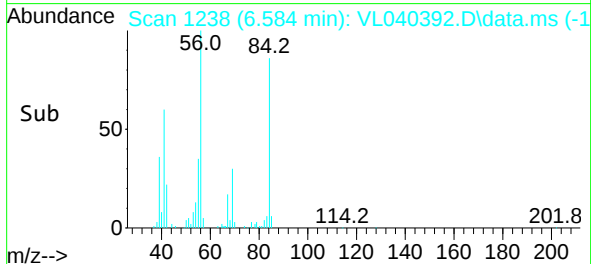
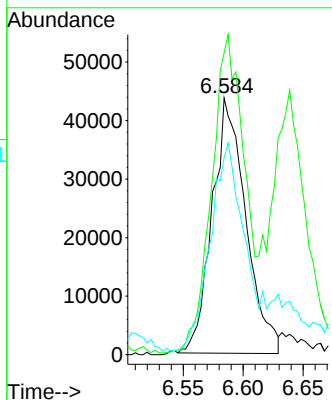
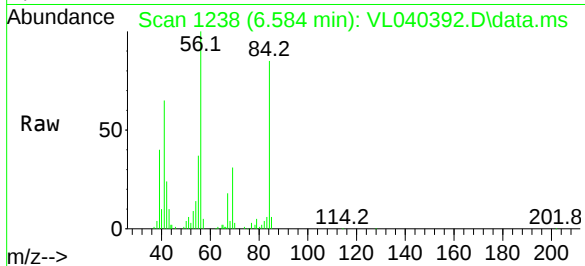




#30
Cyclohexane
Concen: 0.987 ppbv
RT: 6.584 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

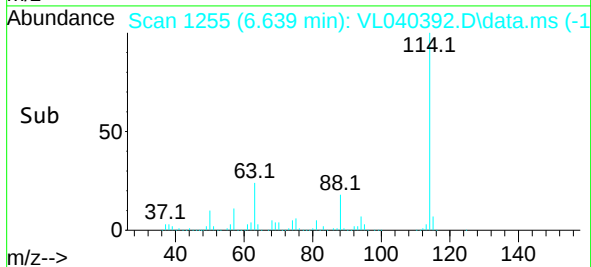
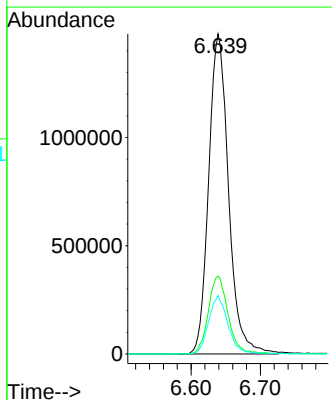
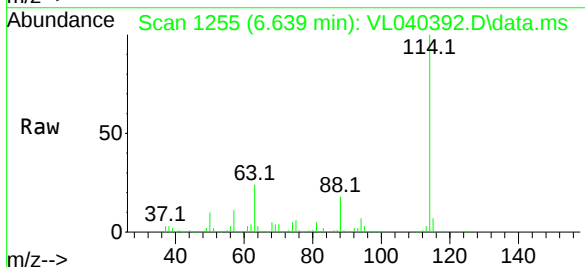
Instrument :
MSVOA_L
ClientSampleId :

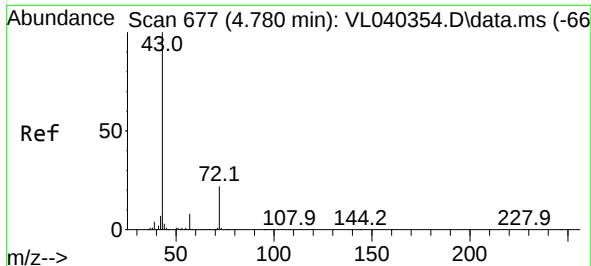
Tgt Ion: 84 Resp: 85060
Ion Ratio Lower Upper
84 100
56 128.5 107.0 160.6
41 101.9 66.7 100.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 114 Resp: 2938834
Ion Ratio Lower Upper
114 100
63 24.4 21.4 32.0
88 17.8 14.6 22.0

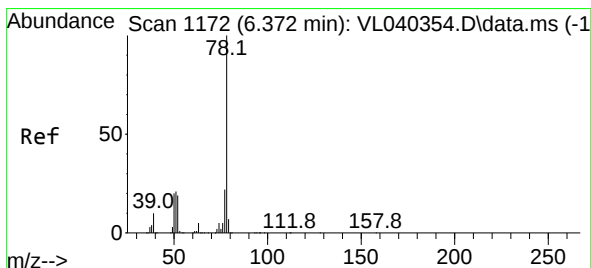
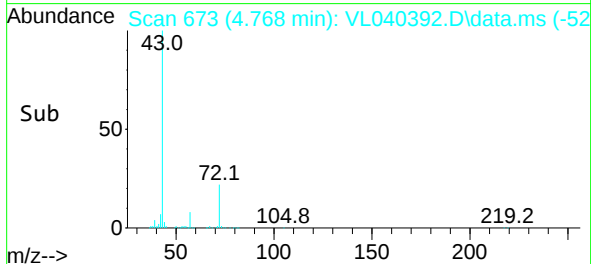
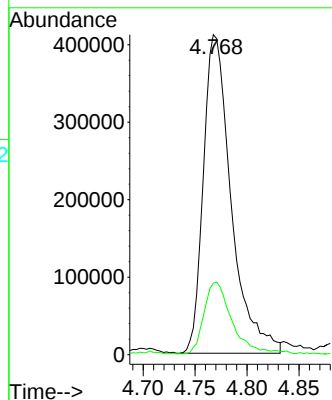
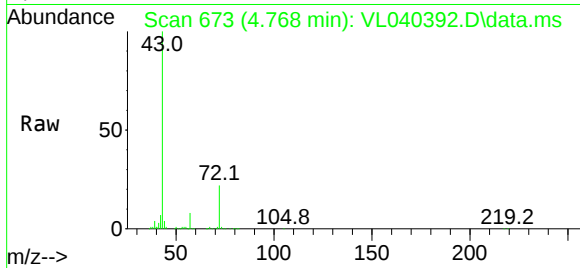




#34
2-Butanone
Concen: 4.834 ppbv
RT: 4.768 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

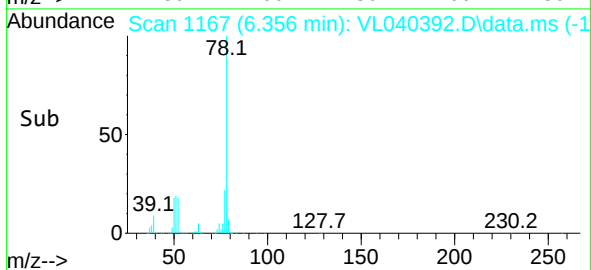
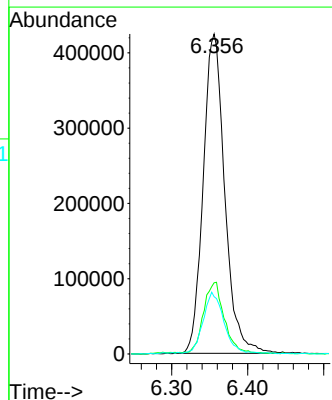
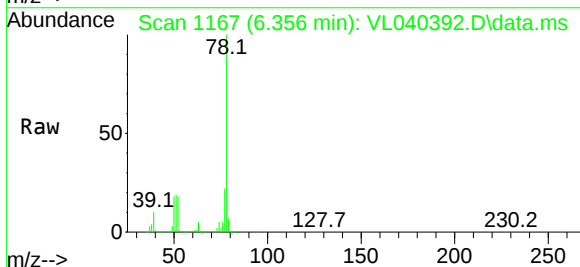
Instrument :
MSVOA_L
ClientSampleId :

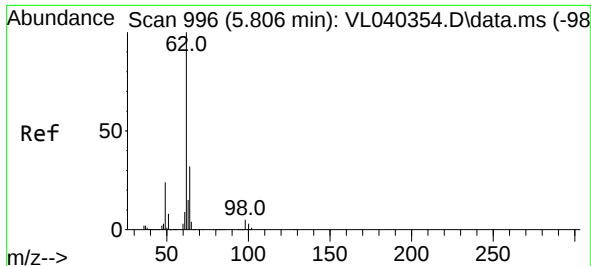
Tgt Ion: 43 Resp: 765989
Ion Ratio Lower Upper
43 100
72 24.1 18.4 27.6



#36
Benzene
Concen: 3.483 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.016 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 78 Resp: 835047
Ion Ratio Lower Upper
78 100
77 22.2 17.8 26.8
50 17.8 15.6 23.4





#37

1,2-Dichloroethane

Concen: 0.049 ppbv

RT: 5.793 min Scan# 996

Delta R.T. -0.013 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

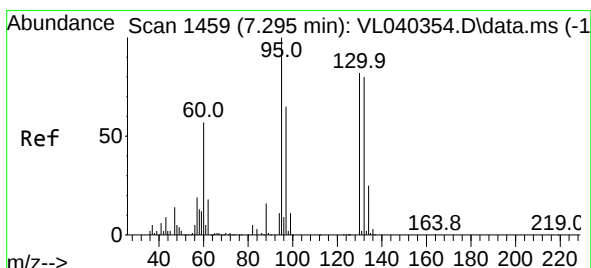
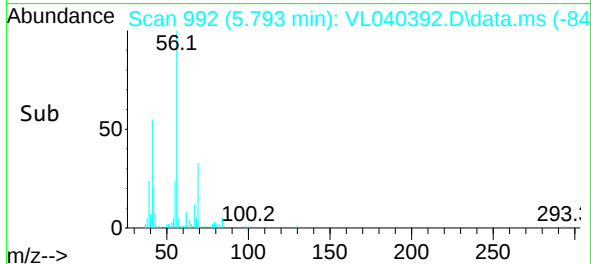
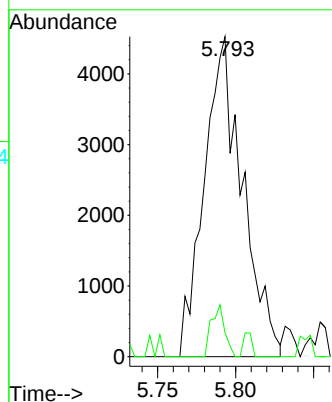
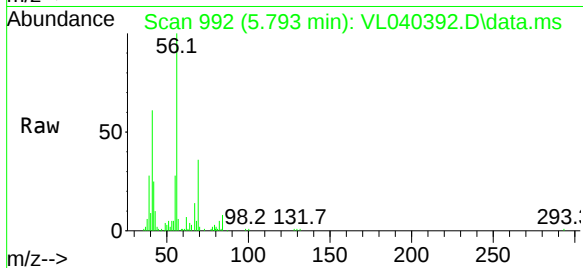
ClientSampleId :

Tgt Ion: 62 Resp: 7702

Ion Ratio Lower Upper

62 100

98 7.4 4.4 6.6#



#38

Trichloroethene

Concen: 0.077 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.020 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Tgt Ion:130 Resp: 10535

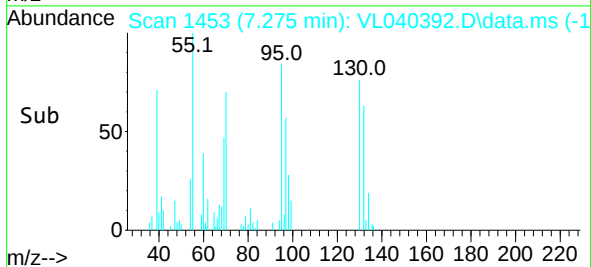
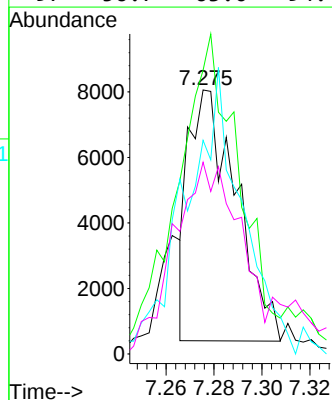
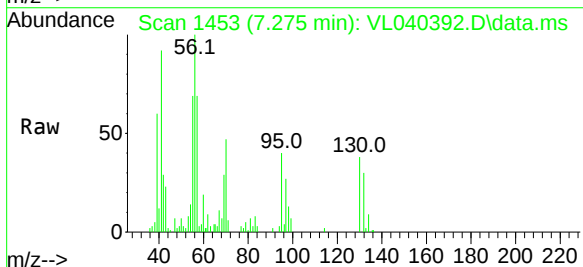
Ion Ratio Lower Upper

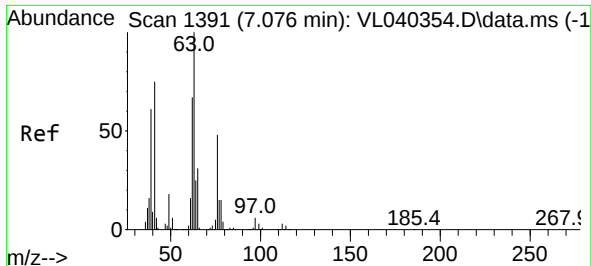
130 100

95 98.8 97.4 146.0

132 70.1 77.5 116.3#

97 56.7 63.0 94.4#





#39

1,2-Dichloropropane

Concen: 7.388 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.437 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

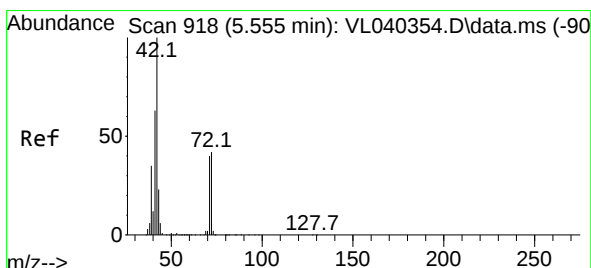
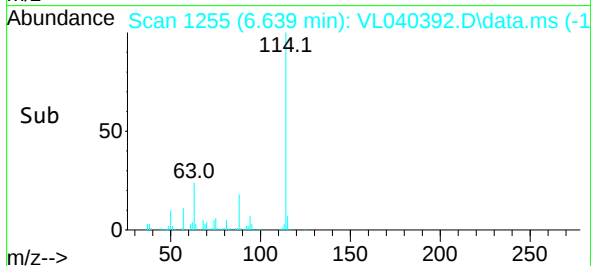
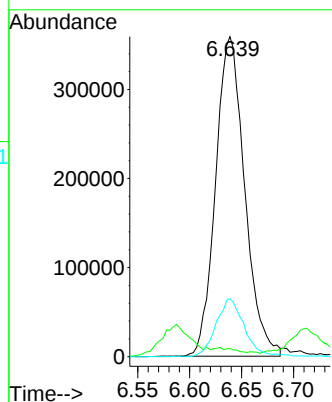
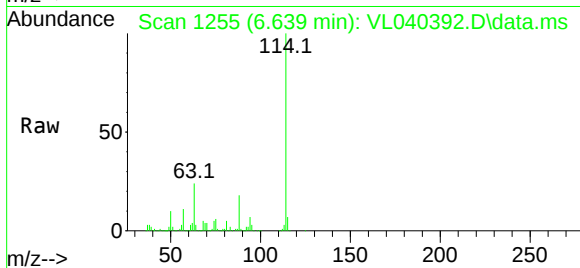
Tgt Ion: 63 Resp: 697009

Ion Ratio Lower Upper

63 100

41 0.2 59.6 89.4#

62 18.1 53.9 80.9#



#41

Tetrahydrofuran

Concen: 2.556 ppbv

RT: 5.546 min Scan# 915

Delta R.T. -0.009 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

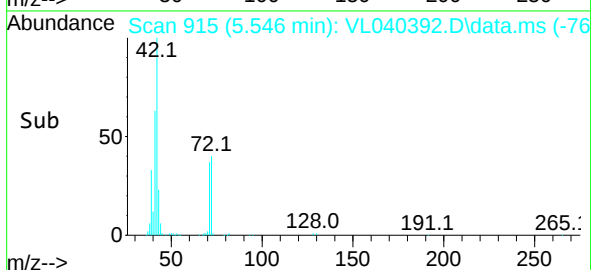
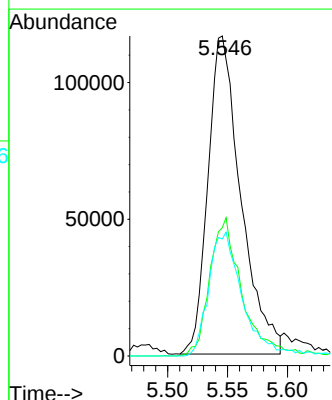
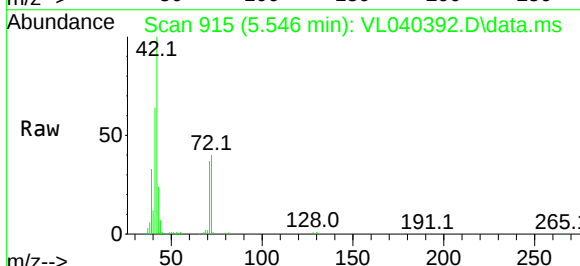
Tgt Ion: 42 Resp: 221794

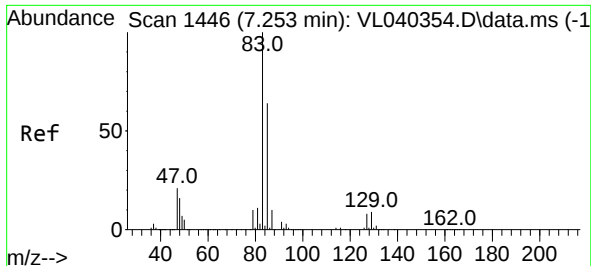
Ion Ratio Lower Upper

42 100

72 43.5 33.7 50.5

71 40.1 32.2 48.2





#42

Bromodichloromethane

Concen: 0.045 ppbv

RT: 7.237 min Scan# 1446

Delta R.T. -0.016 min

Lab File: VL040392.D

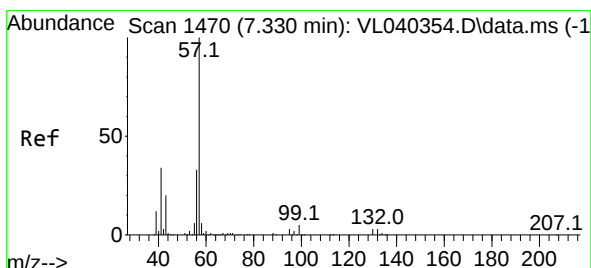
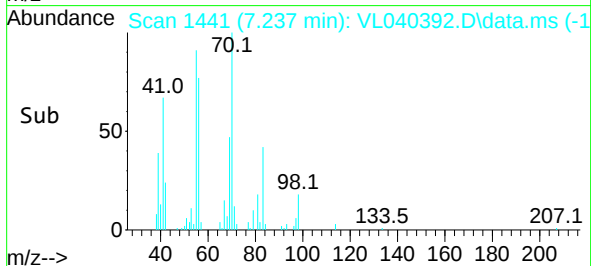
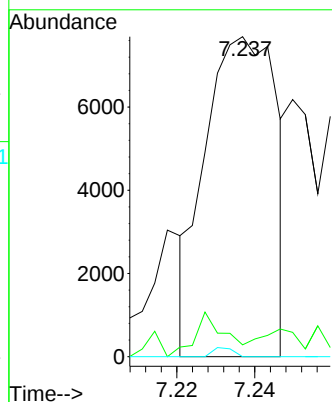
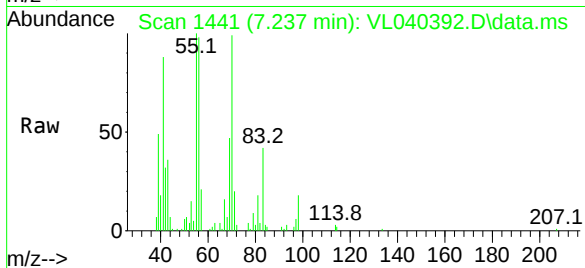
Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 83	Resp: 9738
Ion Ratio	Lower Upper
83	100
85	1.1 50.9 76.3#
127	0.0 6.4 9.6#



#44

2,2,4-Trimethylpentane

Concen: 1.202 ppbv

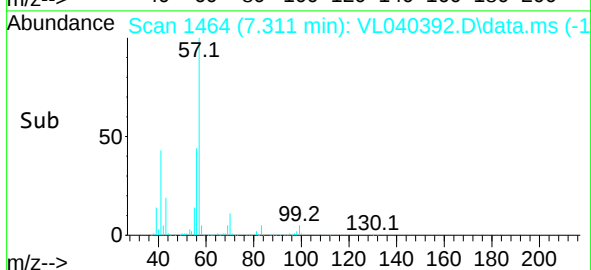
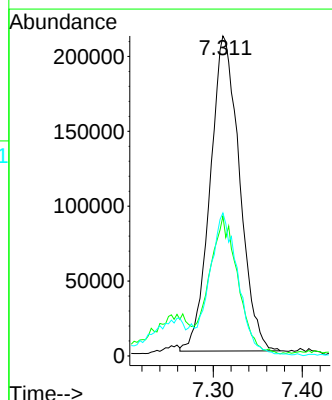
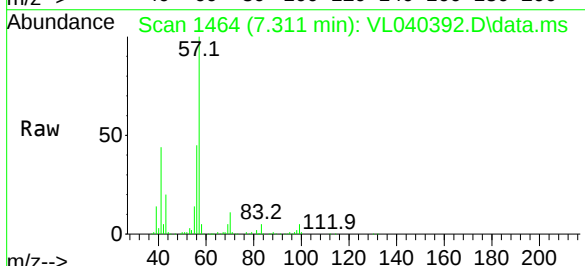
RT: 7.311 min Scan# 1464

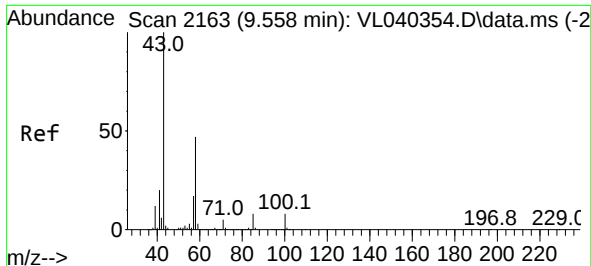
Delta R.T. -0.019 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

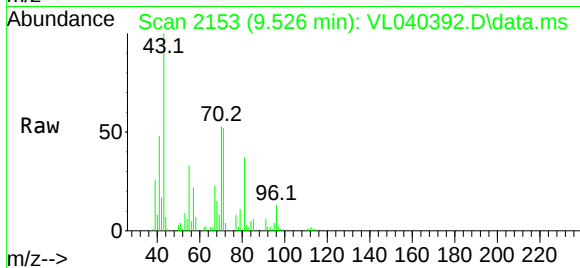
Tgt Ion: 57	Resp: 481384
Ion Ratio	Lower Upper
57	100
41	59.9 26.9 40.3#
56	59.9 25.1 37.7#



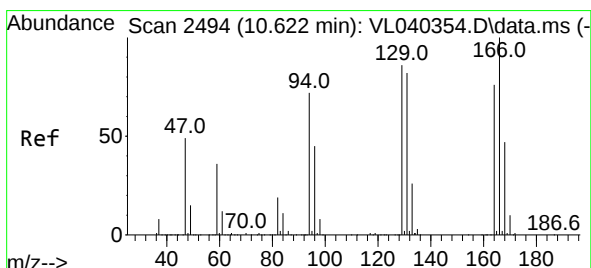
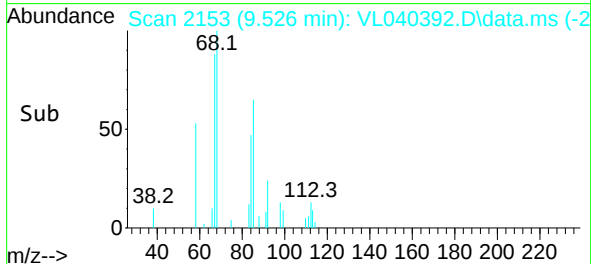
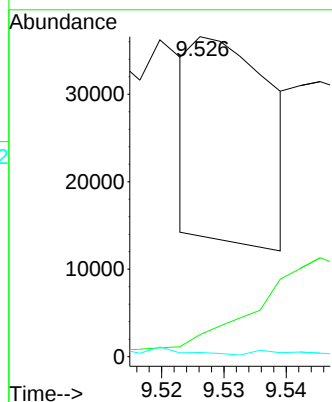


#51
2-Hexanone
Concen: 0.113 ppbv
RT: 9.526 min Scan# 2163
Delta R.T. -0.032 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :

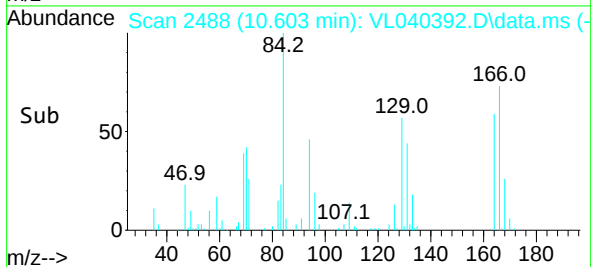
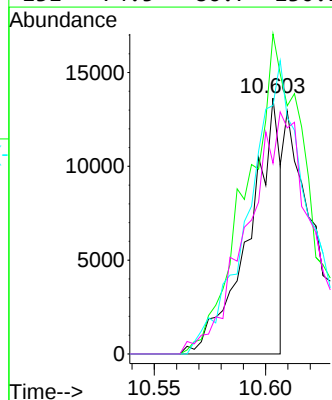
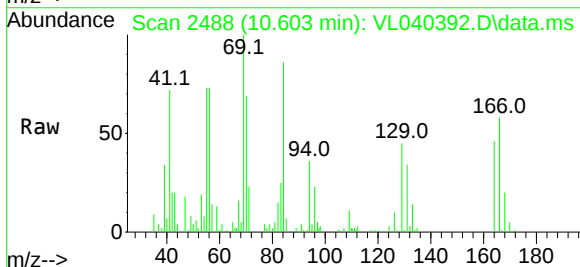


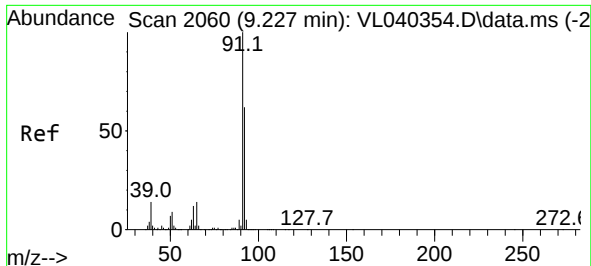
Tgt Ion: 43 Resp: 20023
Ion Ratio Lower Upper
43 100
58 0.0 38.3 57.5#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.180 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. -0.019 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 164 Resp: 13501
Ion Ratio Lower Upper
164 100
166 125.1 105.2 157.8
129 97.1 90.3 135.5
131 74.5 86.7 130.1#

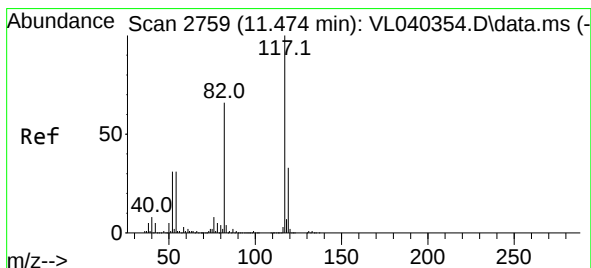
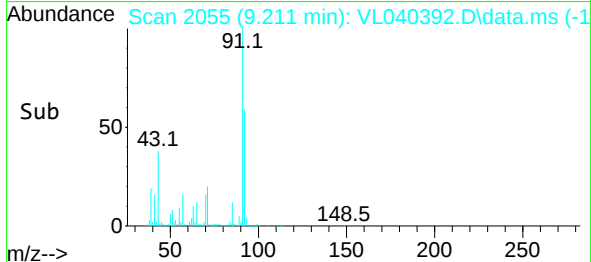
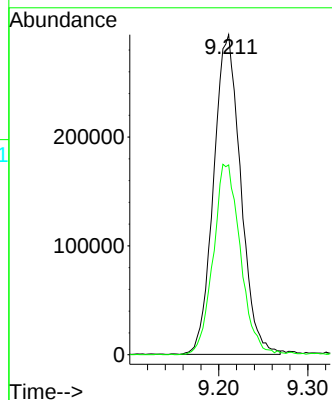
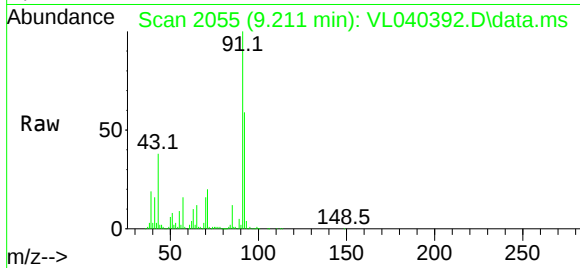




#53
Toluene
Concen: 2.441 ppbv
RT: 9.211 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

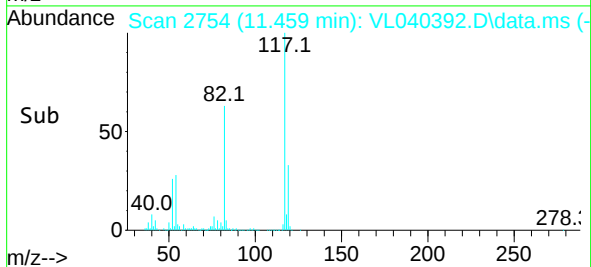
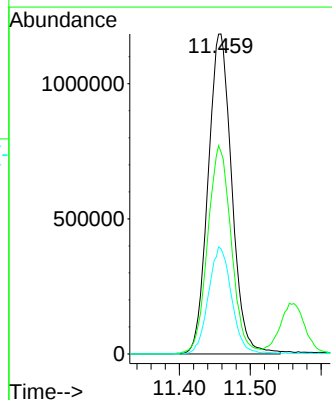
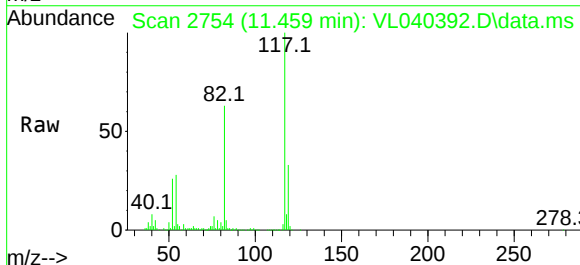
Instrument :
MSVOA_L
ClientSampleId :

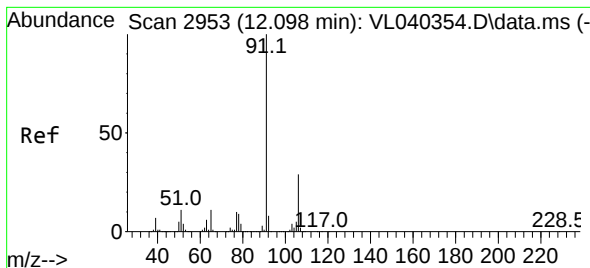
Tgt Ion: 91 Resp: 620492
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2754
Delta R.T. -0.015 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 117 Resp: 2743056
Ion Ratio Lower Upper
117 100
82 65.0 52.5 78.7
119 33.0 24.3 36.5





#58

Ethyl Benzene

Concen: 1.068 ppbv

RT: 12.079 min Scan# 2953

Delta R.T. -0.019 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

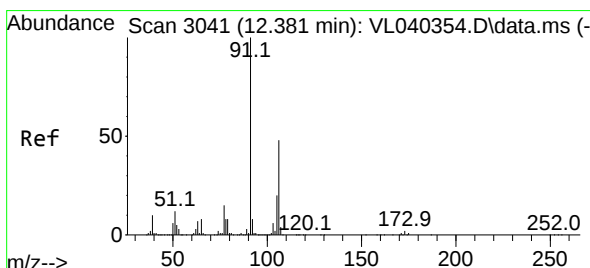
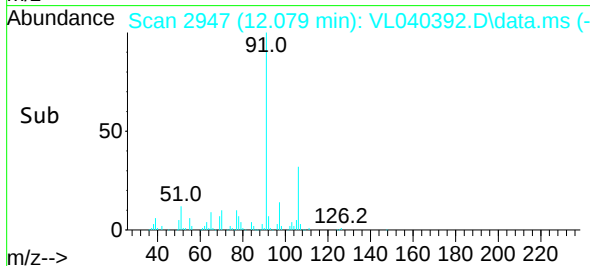
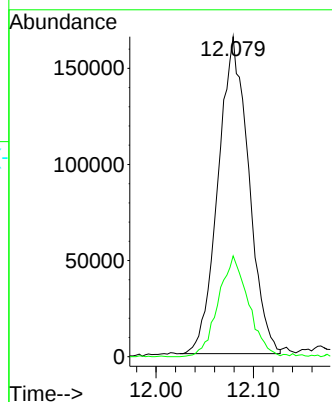
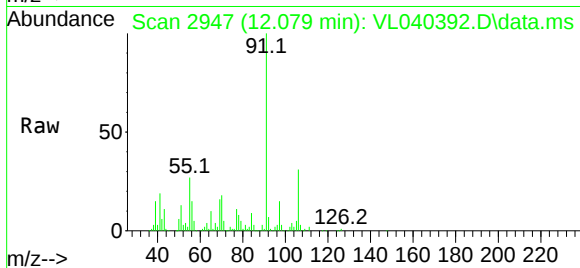
ClientSampleId :

Tgt Ion: 91 Resp: 360340

Ion Ratio Lower Upper

91 100

106 31.8 23.5 35.3



#59

m/p-Xylene

Concen: 2.598 ppbv

RT: 12.336 min Scan# 3027

Delta R.T. -0.045 min

Lab File: VL040392.D

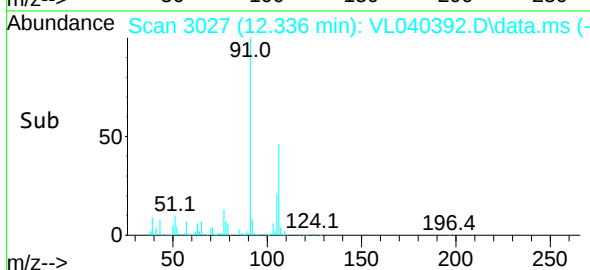
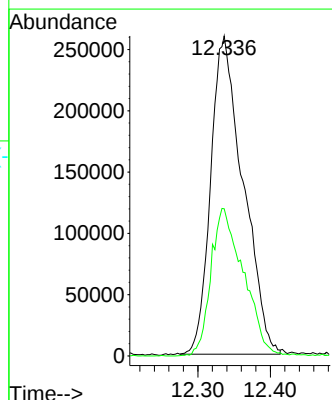
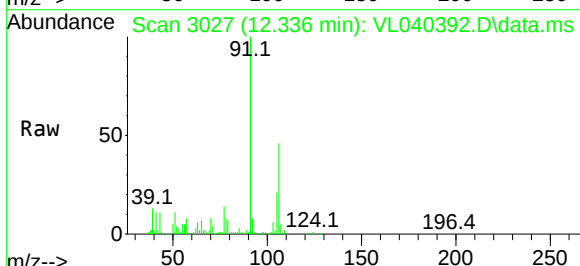
Acq: 19 Apr 2023 23:02

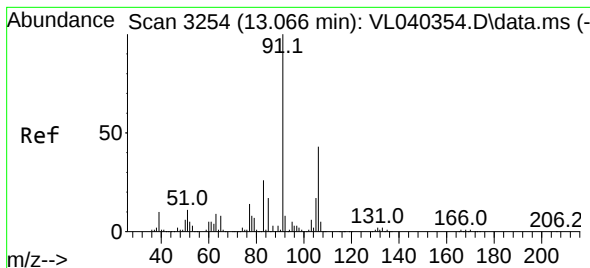
Tgt Ion: 91 Resp: 806077

Ion Ratio Lower Upper

91 100

106 46.8 34.7 52.1





#60

o-Xylene

Concen: 1.439 ppbv

RT: 13.047 min Scan# 3198

Delta R.T. -0.019 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

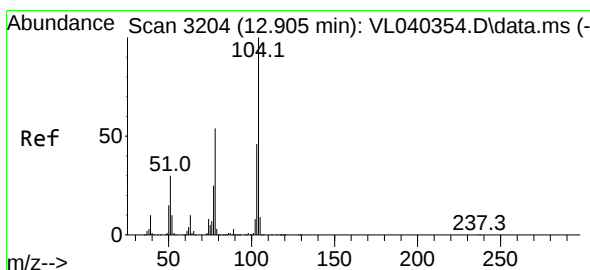
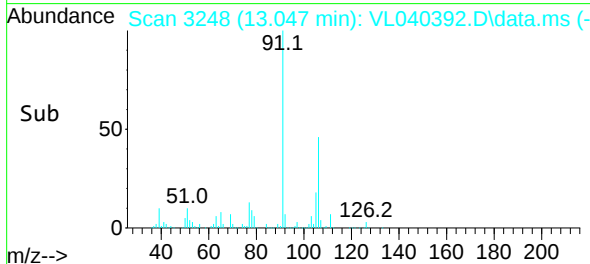
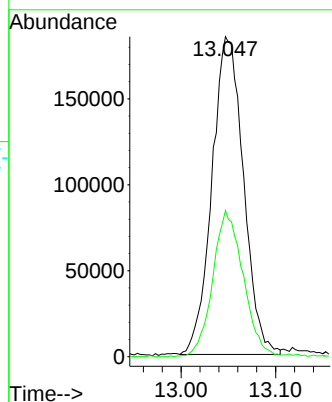
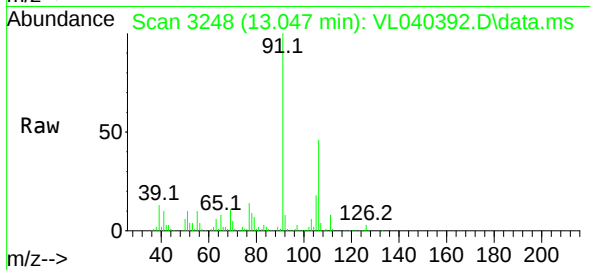
ClientSampleId :

Tgt Ion: 91 Resp: 428562

Ion Ratio Lower Upper

91 100

106 44.9 21.9 65.8



#61

Styrene

Concen: 0.038 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.019 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

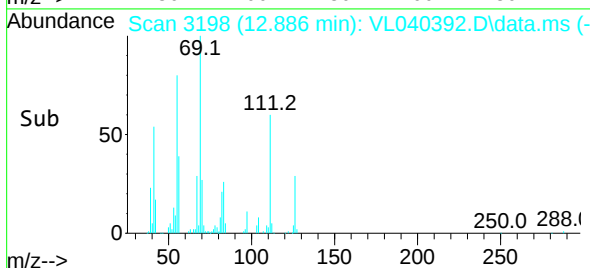
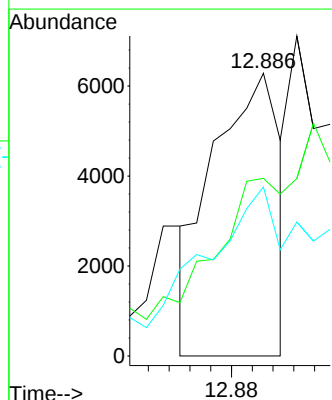
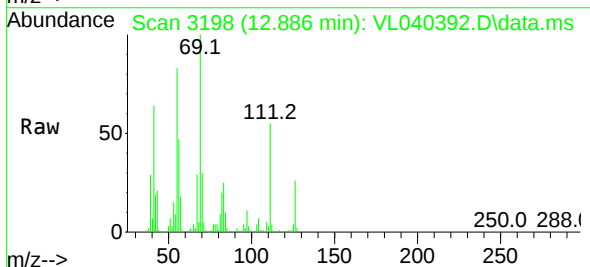
Tgt Ion: 104 Resp: 5670

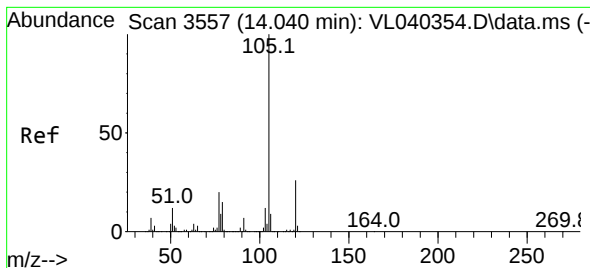
Ion Ratio Lower Upper

104 100

78 0.0 43.4 65.0#

103 148.6 37.0 55.4#





#62

Isopropylbenzene

Concen: 0.199 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.016 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

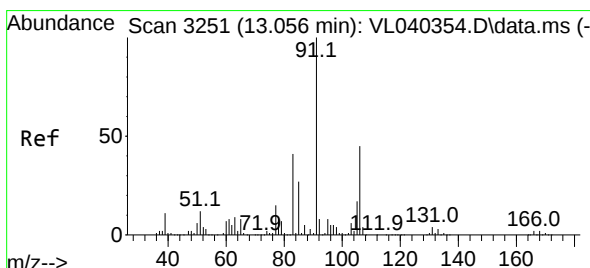
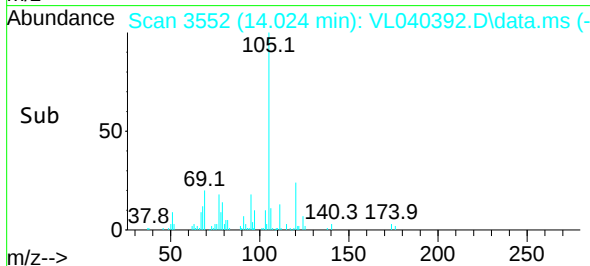
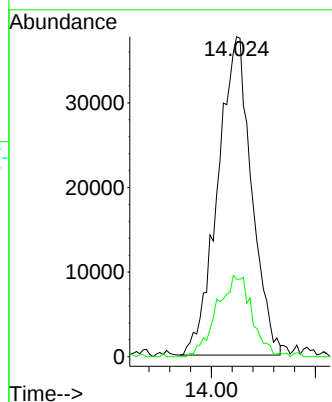
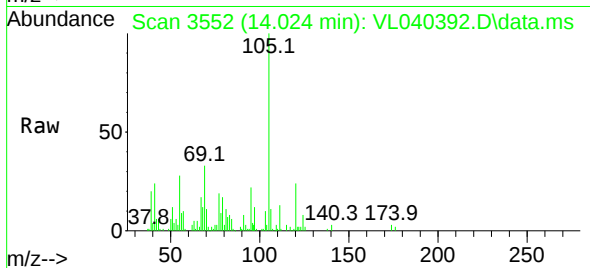
ClientSampleId :

Tgt Ion:105 Resp: 85255

Ion Ratio Lower Upper

105 100

120 26.7 19.9 29.9



#63

1,1,2,2-Tetrachloroethane

Concen: 0.043 ppbv

RT: 13.037 min Scan# 3245

Delta R.T. -0.019 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

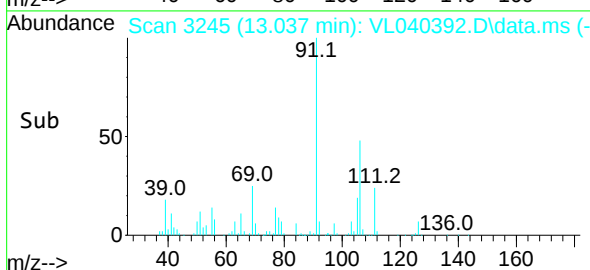
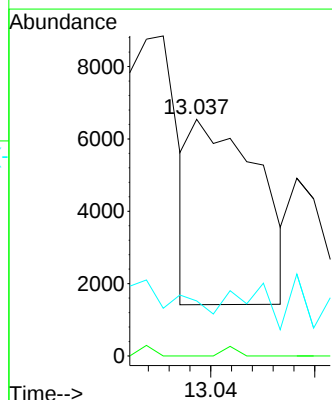
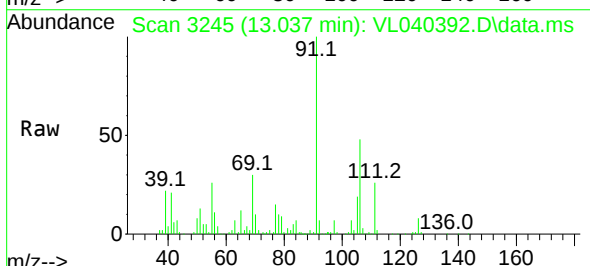
Tgt Ion: 83 Resp: 4648

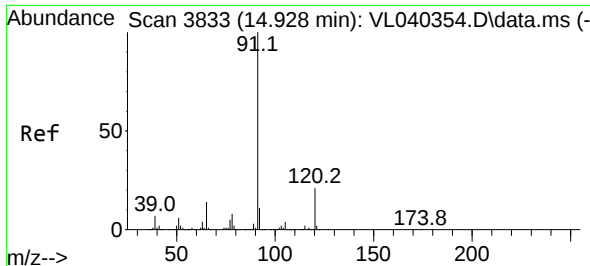
Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.9 98.6#

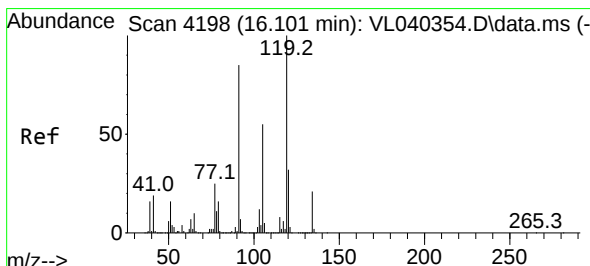
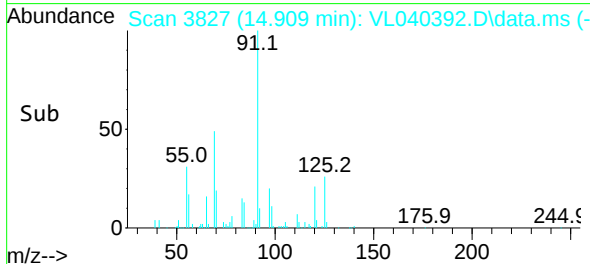
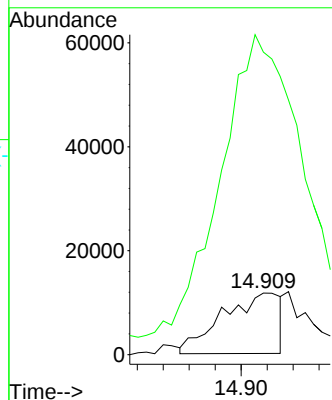
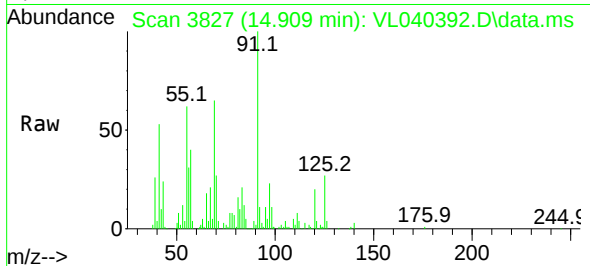




#64
n-propylbenzene
Concen: 0.171 ppbv
RT: 14.909 min Scan# 3827
Delta R.T. -0.019 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

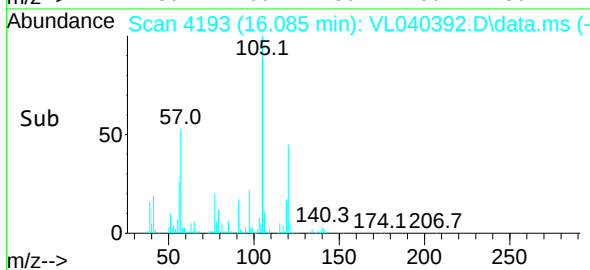
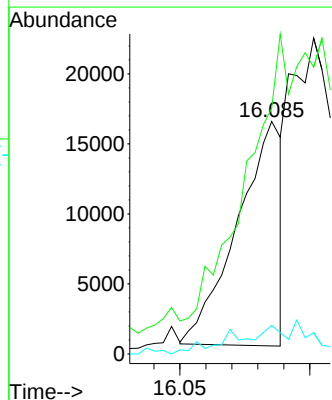
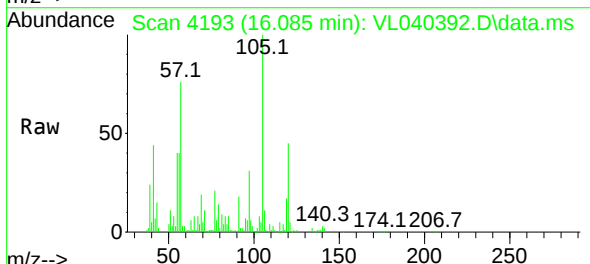
Instrument :
MSVOA_L
ClientSampleId :

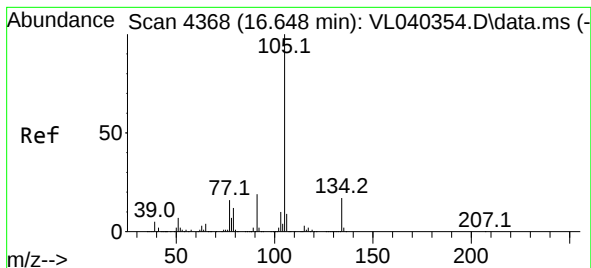
Tgt Ion:120 Resp: 18095
Ion Ratio Lower Upper
120 100
91 796.4 397.4 596.0#



#65
tert-Butylbenzene
Concen: 0.050 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. -0.016 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion:119 Resp: 19033
Ion Ratio Lower Upper
119 100
91 0.0 70.1 105.1#
134 0.0 15.6 23.4#





#67

sec-Butylbenzene

Concen: 0.127 ppbv

RT: 16.629 min Scan# 41

Delta R.T. -0.019 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

Instrument :

MSVOA_L

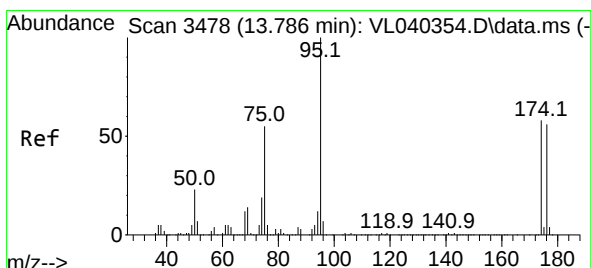
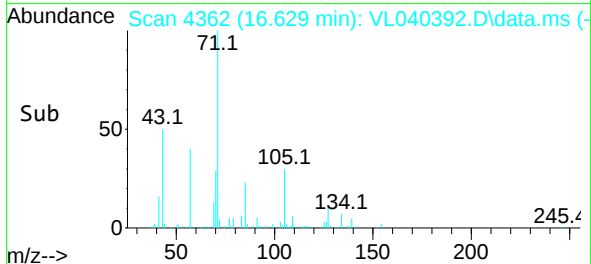
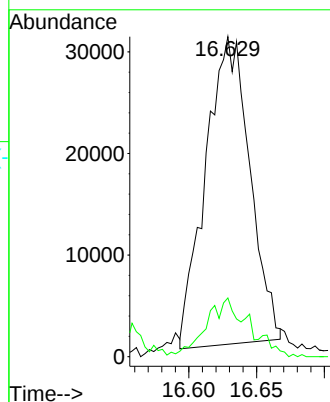
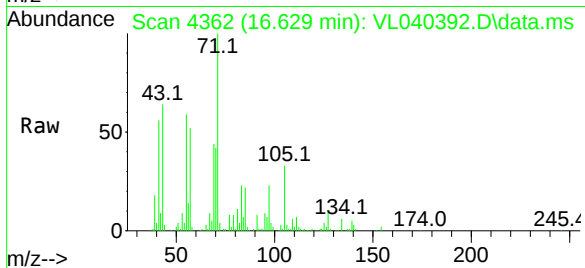
ClientSampleId :

Tgt Ion:105 Resp: 68801

Ion Ratio Lower Upper

105 100

134 18.4 13.8 20.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.002 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.016 min

Lab File: VL040392.D

Acq: 19 Apr 2023 23:02

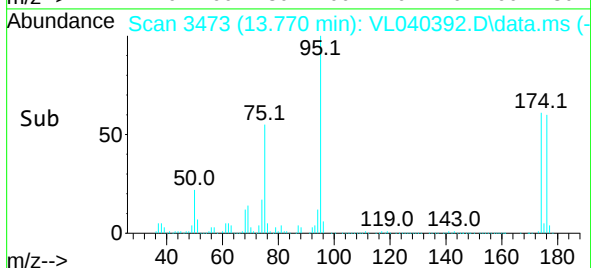
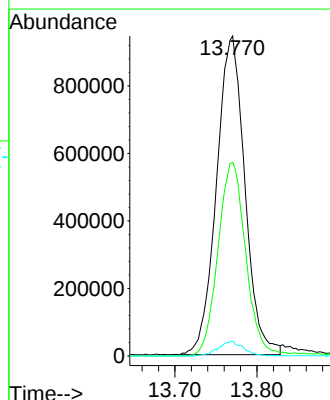
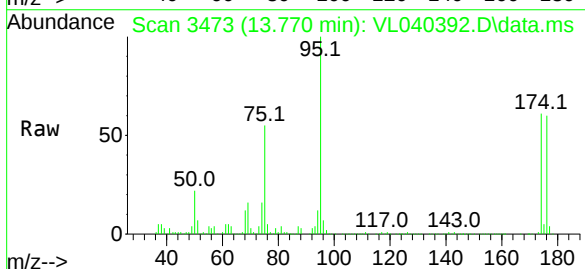
Tgt Ion: 95 Resp: 2268723

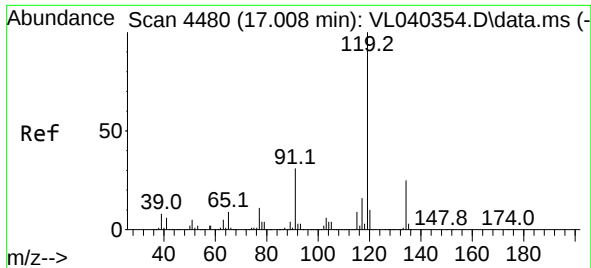
Ion Ratio Lower Upper

95 100

174 60.7 47.2 70.8

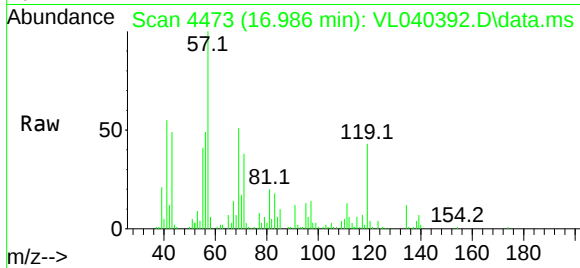
175 4.2 3.5 5.3



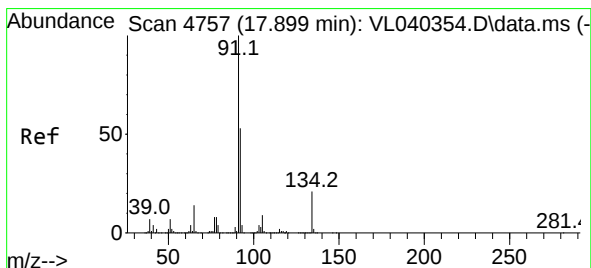
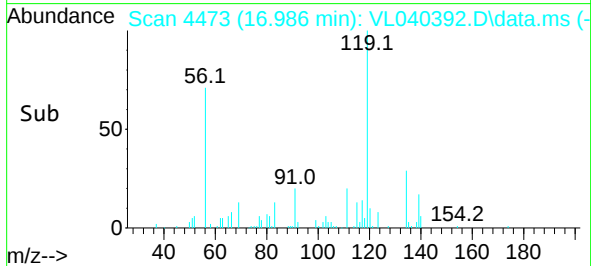
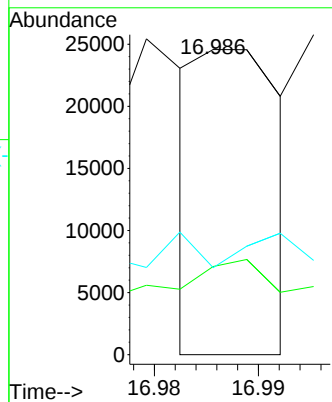


#69
p-Isopropyltoluene
Concen: 0.032 ppbv
RT: 16.986 min Scan# 4480
Delta R.T. -0.022 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Instrument :
MSVOA_L
ClientSampleId :

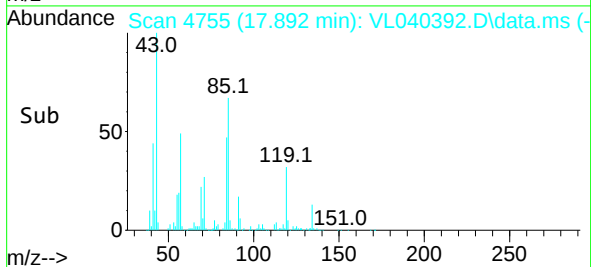
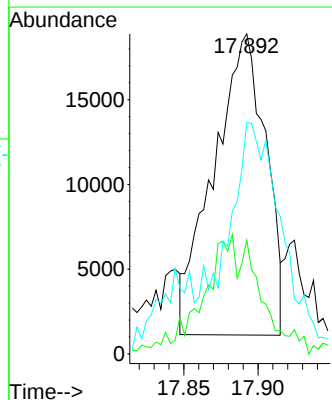
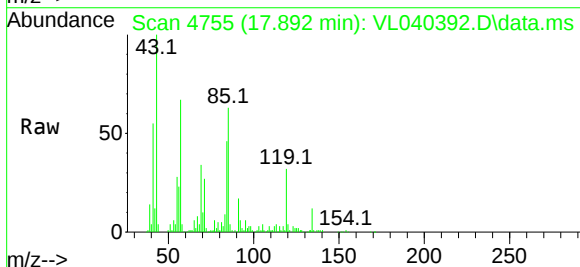


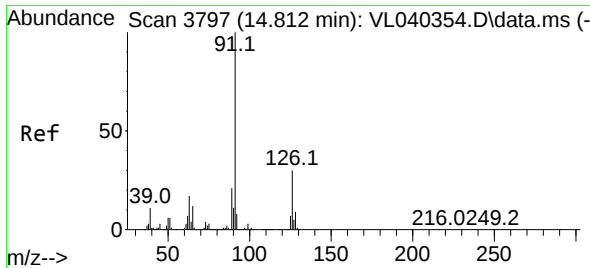
Tgt Ion:119 Resp: 13476
Ion Ratio Lower Upper
119 100
134 119.8 20.2 30.4#
91 179.3 25.7 38.5#



#70
n-Butylbenzene
Concen: 0.092 ppbv
RT: 17.892 min Scan# 4755
Delta R.T. -0.007 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 91 Resp: 43352
Ion Ratio Lower Upper
91 100
92 43.8 43.0 64.4
134 102.1 16.6 25.0#

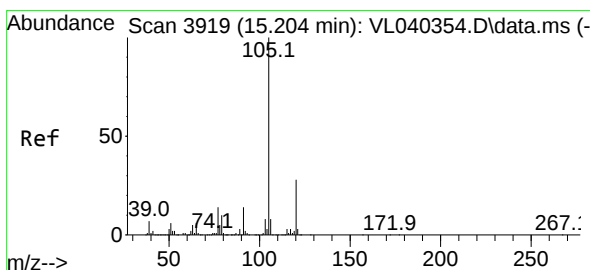
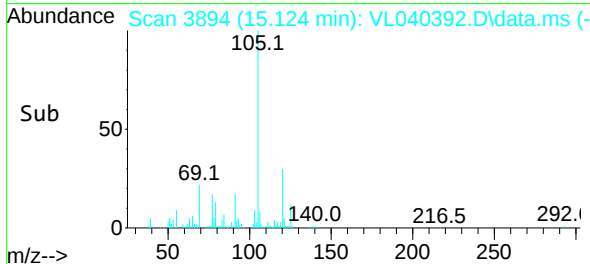
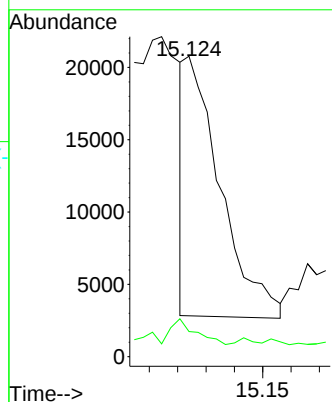
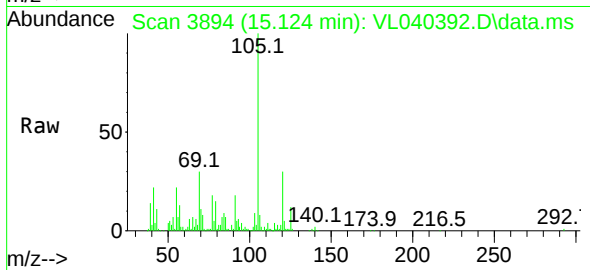




#71
2-Chlorotoluene
Concen: 0.047 ppbv
RT: 15.124 min Scan# 3912
Delta R.T. 0.312 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

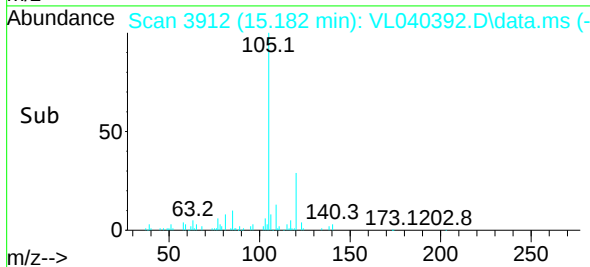
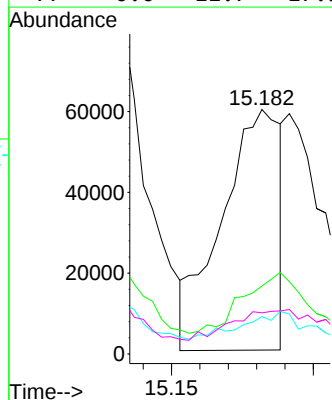
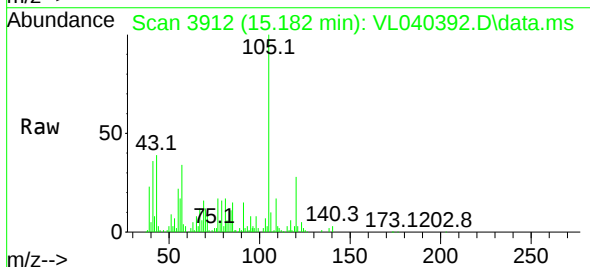
Instrument :
MSVOA_L
ClientSampleId :

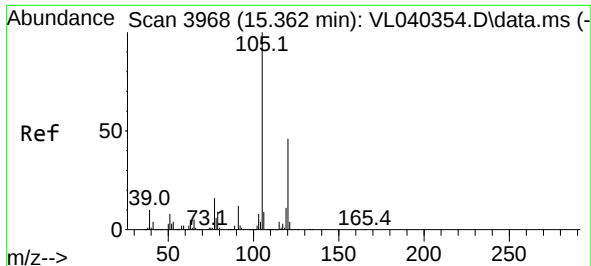
Tgt Ion: 91 Resp: 15473
Ion Ratio Lower Upper
91 100
126 47.2 11.8 47.4



#72
4-Ethyltoluene
Concen: 0.261 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. -0.022 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion: 105 Resp: 85782
Ion Ratio Lower Upper
105 100
120 0.0 23.0 34.6#
91 0.0 11.3 16.9#
77 0.0 11.7 17.5#

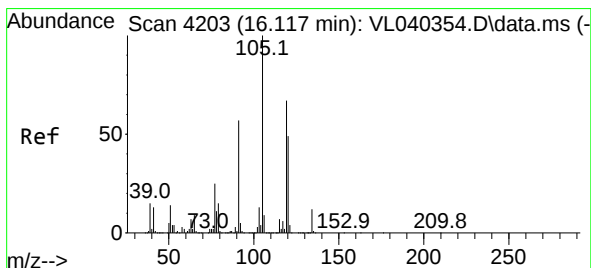
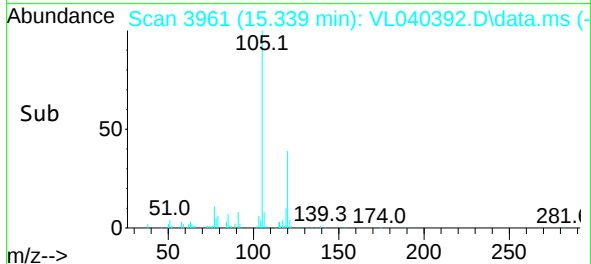
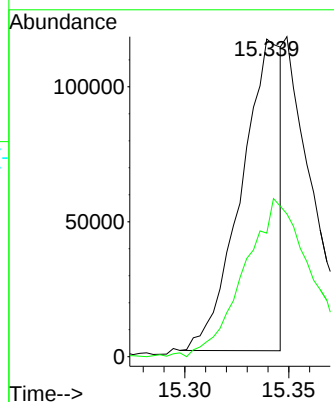
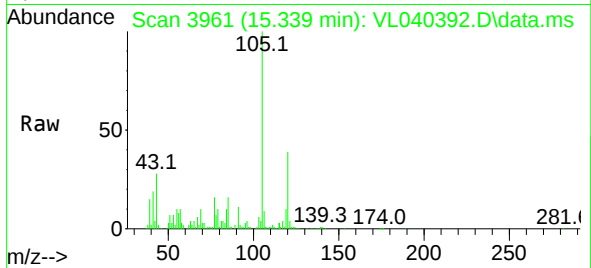




#73
1,3,5-Trimethylbenzene
Concen: 0.508 ppbv
RT: 15.339 min Scan# 3968
Delta R.T. -0.023 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Instrument :
MSVOA_1
ClientSampleId :

Tgt Ion:105 Resp: 154345
Ion Ratio Lower Upper
105 100
120 38.5 36.9 55.3



#74
1,2,4-Trimethylbenzene
Concen: 1.045 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. -0.019 min
Lab File: VL040392.D
Acq: 19 Apr 2023 23:02

Tgt Ion:105 Resp: 362713
Ion Ratio Lower Upper
105 100
120 42.8 38.9 58.3
91 12.9 46.0 69.0#
77 15.2 20.0 30.0#

