

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042020.D
 Acq On : 14 Feb 2025 14:58
 Operator : SY/MD
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 15 01:23:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Sat Feb 15 01:17:03 2025
 Response via : Initial Calibration

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

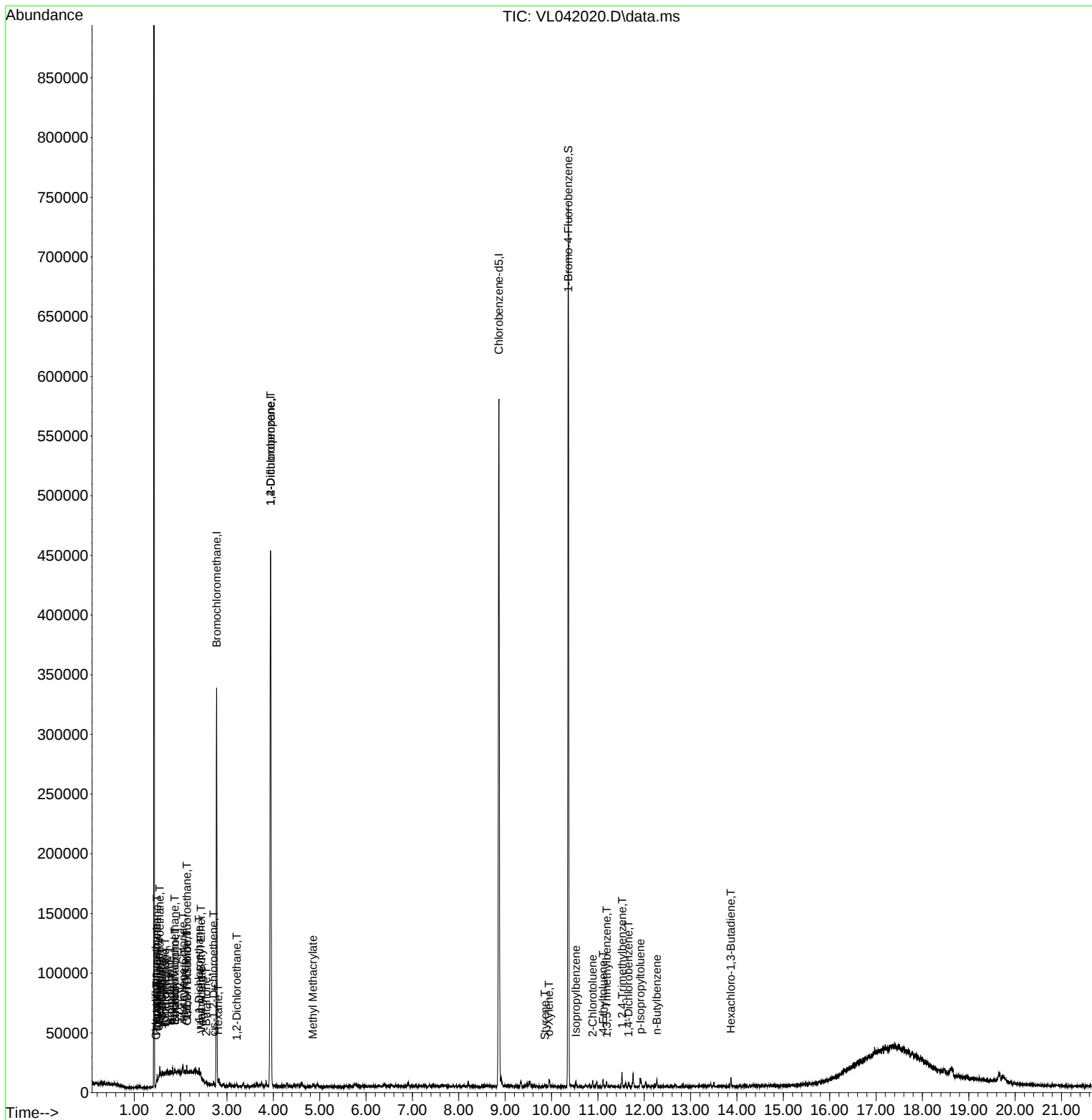
Internal Standards						
1) Bromochloromethane	2.777	49	92385	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	275267	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	245994	10.000	ppbv	0.00

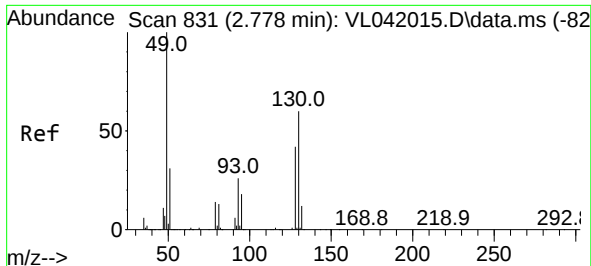
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.361	95	198730	9.794	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	955	0.060	ppbv	88
3) Chlorodifluoromethane	1.470	51	1115	0.063	ppbv #	58
4) Chloromethane	1.528	50	460	0.074	ppbv #	75
5) Vinyl Chloride	1.573	62	361	0.049	ppbv #	56
6) Bromomethane	1.664	94	241	0.084	ppbv #	23
7) Chloroethane	1.693	64	189	0.078	ppbv #	81
8) Dichlorotetrafluoroethane	1.547	85	633	0.045	ppbv #	77
9) Propene	1.479	41	590	0.078	ppbv #	36
11) Trichlorofluoromethane	1.871	101	691	0.043	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.133	101	403	0.032	ppbv #	32
13) Ethanol	1.881	45	1267	1.376	ppbv #	25
14) Bromoethene	1.777	108	253	0.054	ppbv #	1
15) Acetone	1.832	43	2955	0.194	ppbv	93
16) 1,3-Butadiene	1.599	39	624	0.086	ppbv	87
19) Isopropyl Alcohol	1.881	45	1267	0.147	ppbv #	48
20) Methylene Chloride	2.056	84	538	0.094	ppbv #	89
21) Allyl Chloride	2.085	41	714	0.065	ppbv #	35
23) Vinyl Acetate	2.454	43	387	0.047	ppbv #	66
24) 1,1-Dichloroethane	2.399	63	701	0.053	ppbv #	48
26) Hexane	2.810	57	918	0.055	ppbv #	1
27) Carbon Disulfide	2.140	76	725	0.046	ppbv #	30
28) Methyl tert-Butyl Ether	2.437	73	496	0.048	ppbv #	1
31) cis-1,2-Dichloroethene	2.709	61	829	0.050	ppbv #	72
34) 2-Butanone	2.554	43	1128	0.048	ppbv #	78
37) 1,2-Dichloroethane	3.208	62	738	0.039	ppbv #	90
39) 1,2-Dichloropropane	3.939	63	70613	5.708	ppbv #	24
43) Methyl Methacrylate	4.855	69	463	0.031	ppbv #	1
60) o-Xylene	9.946	91	1982	0.046	ppbv	94
61) Styrene	9.859	104	750	0.037	ppbv #	86
62) Isopropylbenzene	10.529	105	2418	0.038	ppbv	98
69) p-Isopropyltoluene	11.918	119	2538	0.039	ppbv	94
70) n-Butylbenzene	12.270	91	2064	0.032	ppbv	98
71) 2-Chlorotoluene	10.888	91	2118	0.044	ppbv	93
72) 4-Ethyltoluene	11.115	105	2010	0.040	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.193	105	1875	0.043	ppbv #	73
74) 1,2,4-Trimethylbenzene	11.523	105	1772	0.038	ppbv	96
76) 1,4-Dichlorobenzene	11.659	146	755	0.031	ppbv #	68
78) Hexachloro-1,3-Butadiene	13.869	225	735	0.037	ppbv #	45

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

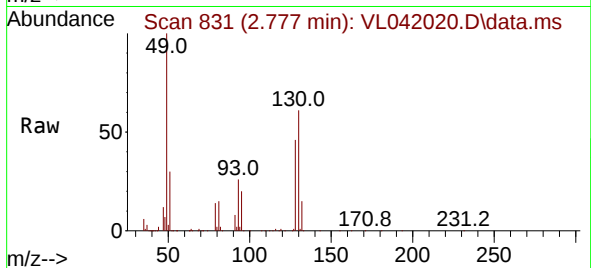
Quant Time: Feb 15 01:23:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Sat Feb 15 01:17:03 2025
Response via : Initial Calibration



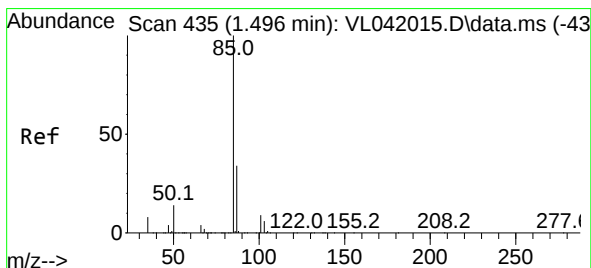
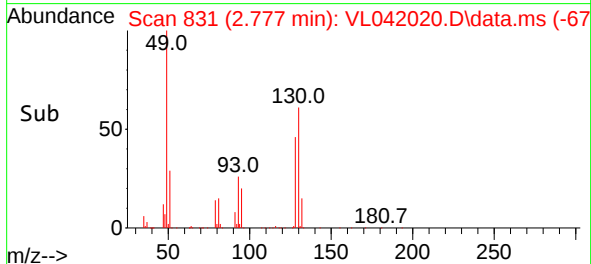
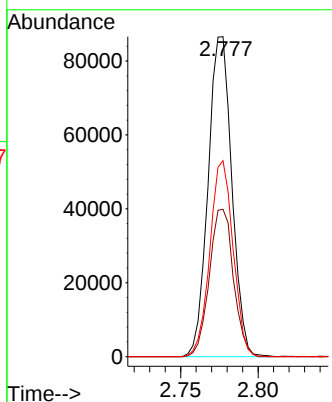


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.777 min Scan# 831
 Delta R.T. -0.001 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

Instrument :
 MSVOA_L
 ClientSampleId :

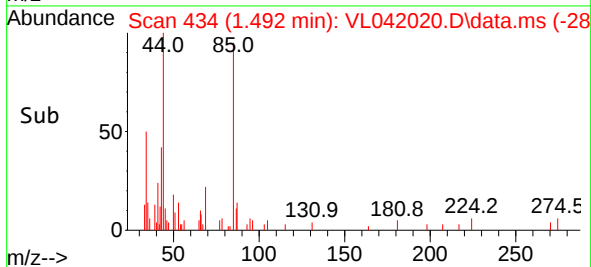
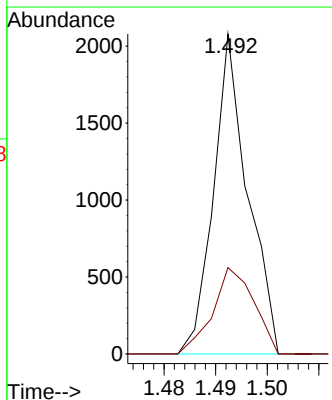
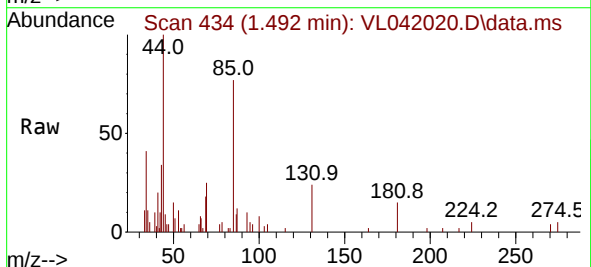


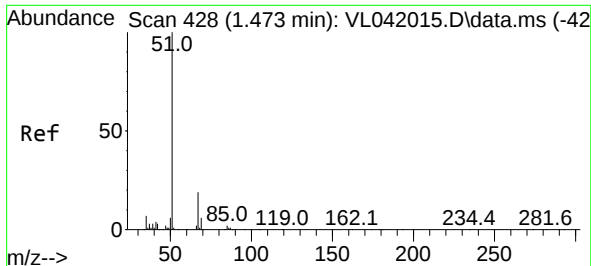
Tgt Ion: 49 Resp: 92385
 Ion Ratio Lower Upper
 49 100
 128 46.7 22.7 68.0
 130 59.8 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.060 ppbv
 RT: 1.492 min Scan# 434
 Delta R.T. -0.004 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

Tgt Ion: 85 Resp: 955
 Ion Ratio Lower Upper
 85 100
 87 27.0 26.9 40.3

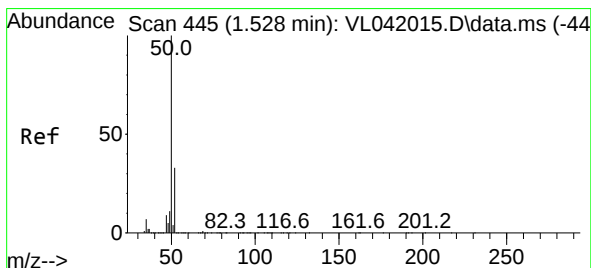
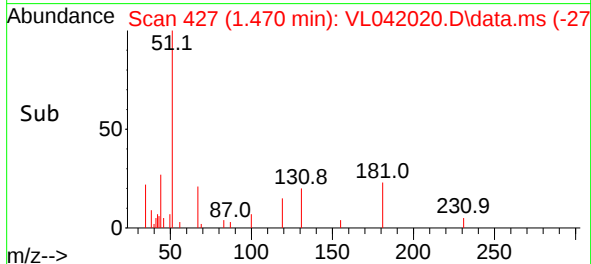
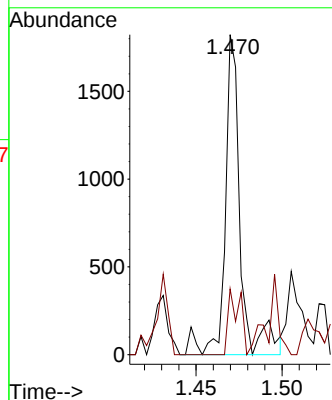
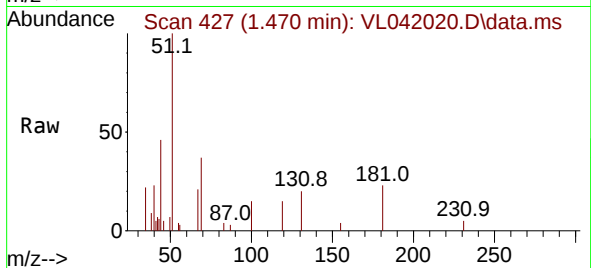




#3
Chlorodifluoromethane
Concen: 0.063 ppbv
RT: 1.470 min Scan# 428
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

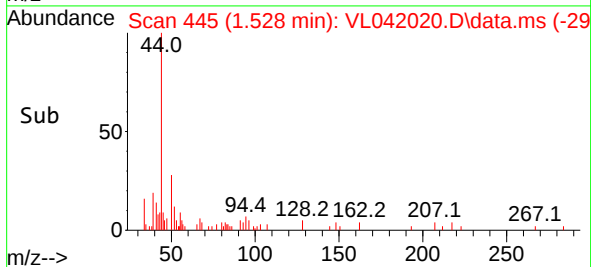
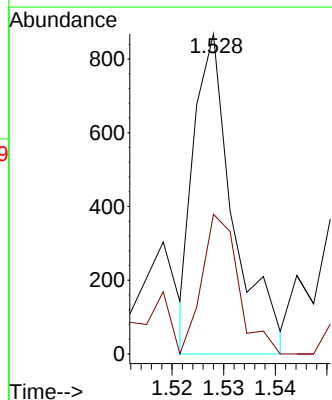
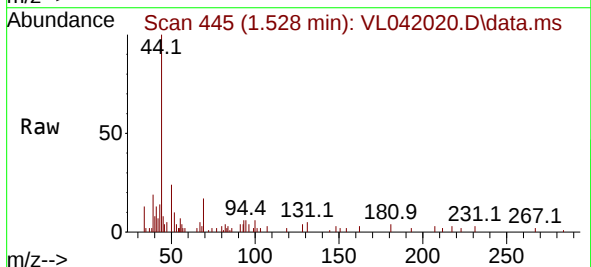
Instrument :
MSVOA_L
ClientSampleId :

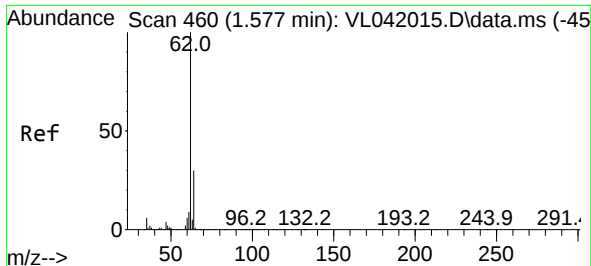
Tgt Ion: 51 Resp: 1115
Ion Ratio Lower Upper
51 100
67 0.0 15.0 22.6#



#4
Chloromethane
Concen: 0.074 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 50 Resp: 460
Ion Ratio Lower Upper
50 100
52 47.0 26.2 39.2#

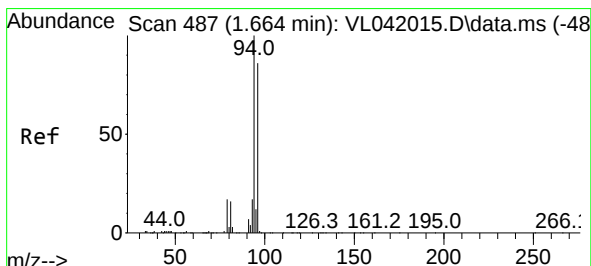
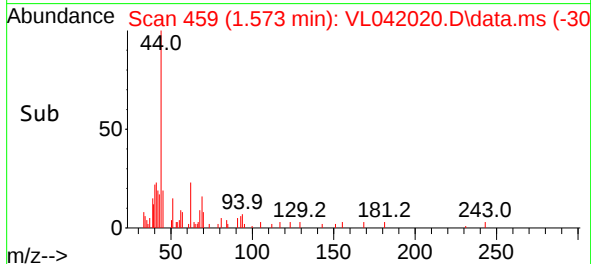
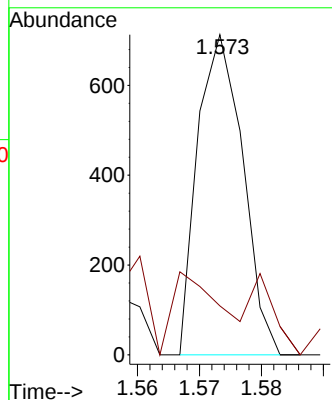
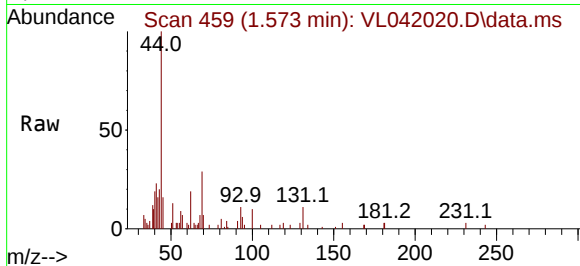




#5
 Vinyl Chloride
 Concen: 0.049 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

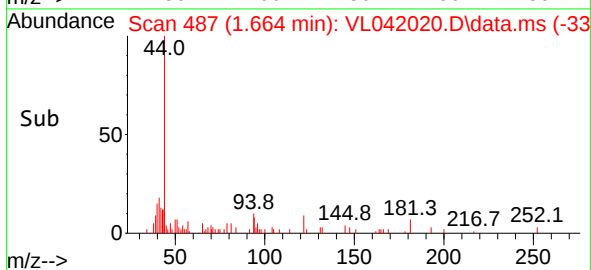
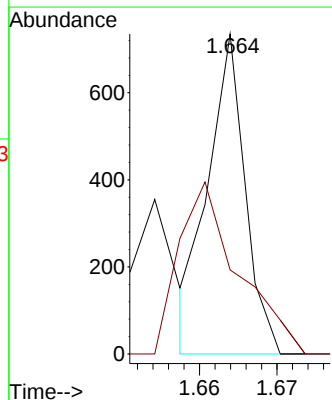
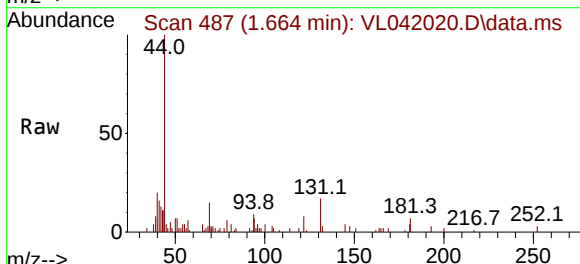
Instrument :
 MSVOA_L
 ClientSampleId :

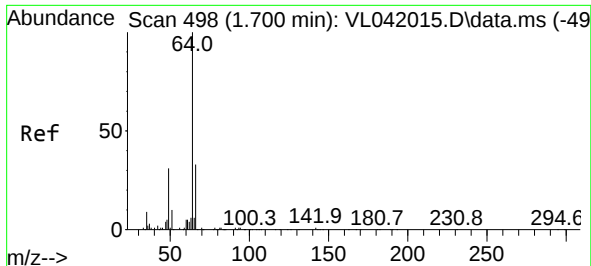
Tgt Ion: 62 Resp: 361
 Ion Ratio Lower Upper
 62 100
 64 6.5 24.4 36.6#



#6
 Bromomethane
 Concen: 0.084 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

Tgt Ion: 94 Resp: 241
 Ion Ratio Lower Upper
 94 100
 96 15.6 69.0 103.6#

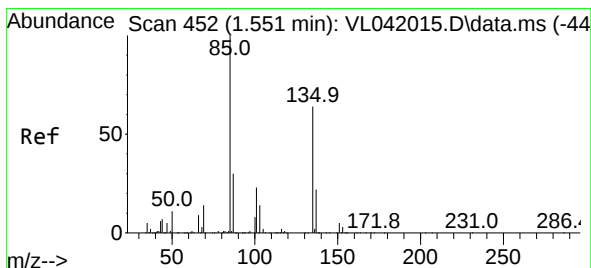
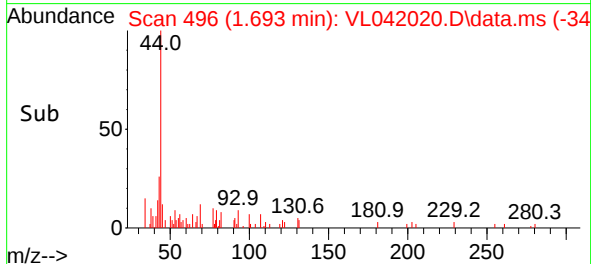
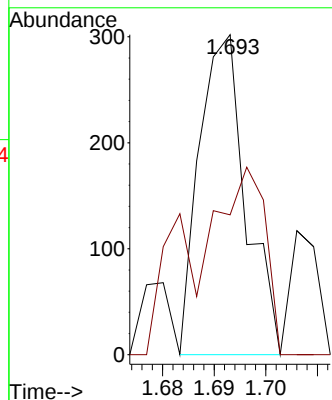
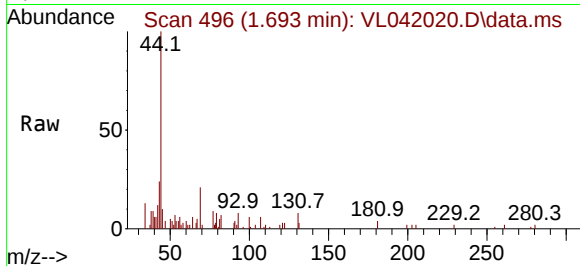




#7
Chloroethane
Concen: 0.078 ppbv
RT: 1.693 min Scan# 498
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

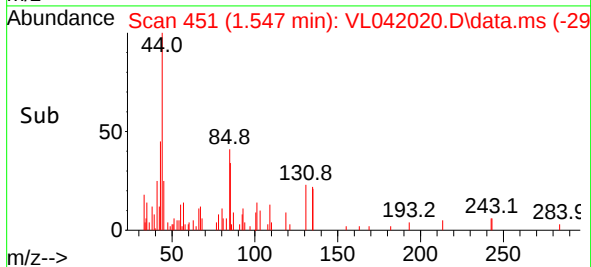
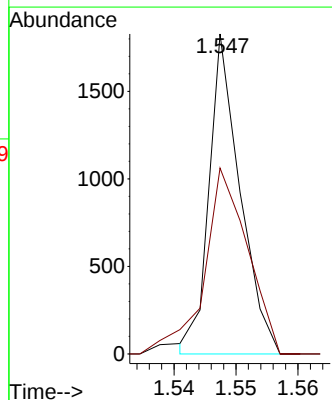
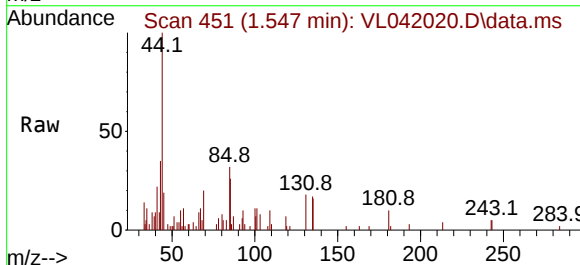
Instrument :
MSVOA_L
ClientSampleId :

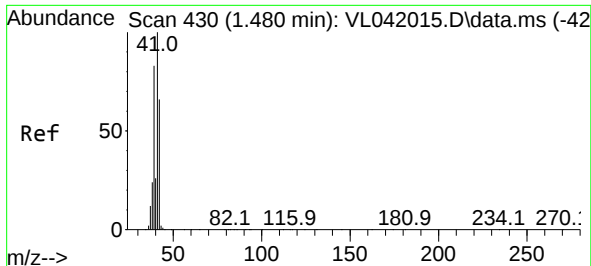
Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 43.7 26.5 39.7#



#8
Dichlorotetrafluoroethane
Concen: 0.045 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 85 Resp: 633
Ion Ratio Lower Upper
85 100
135 81.7 50.9 76.3#





#9

Propene

Concen: 0.078 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042020.D

Acq: 14 Feb 2025 14:58

Instrument :

MSVOA_L

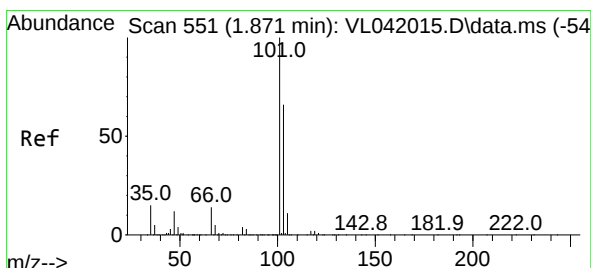
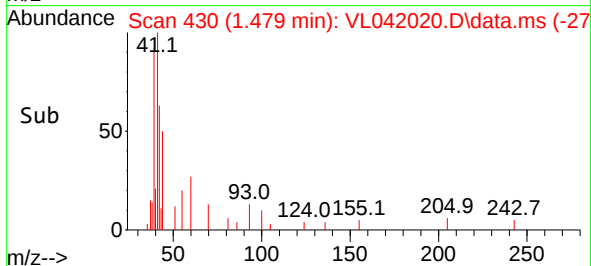
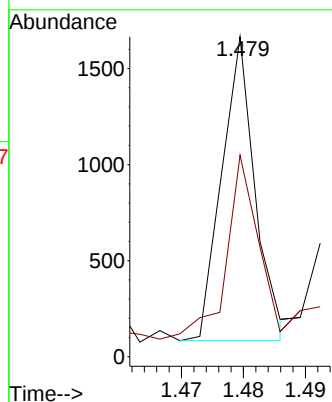
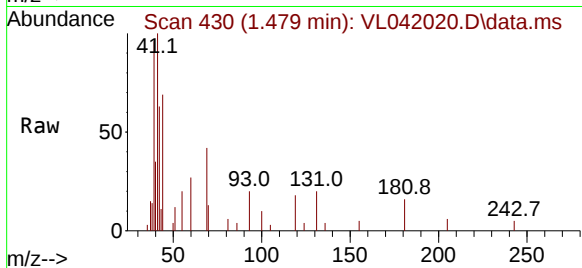
ClientSampleId :

Tgt Ion: 41 Resp: 590

Ion Ratio Lower Upper

41 100

42 118.0 53.5 80.3#



#11

Trichlorofluoromethane

Concen: 0.043 ppbv

RT: 1.871 min Scan# 551

Delta R.T. -0.000 min

Lab File: VL042020.D

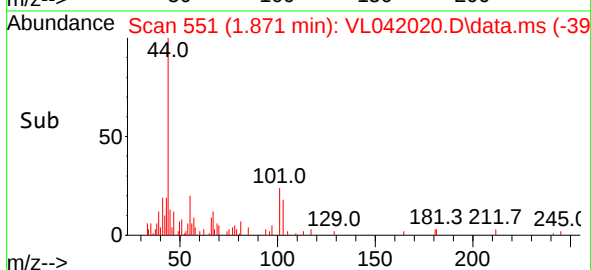
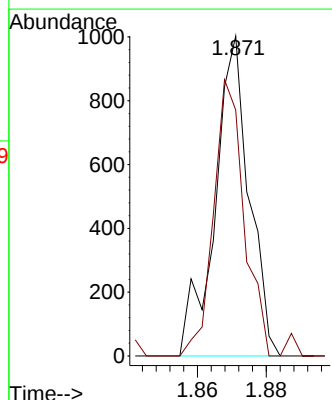
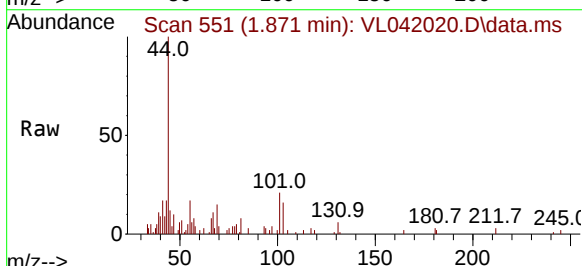
Acq: 14 Feb 2025 14:58

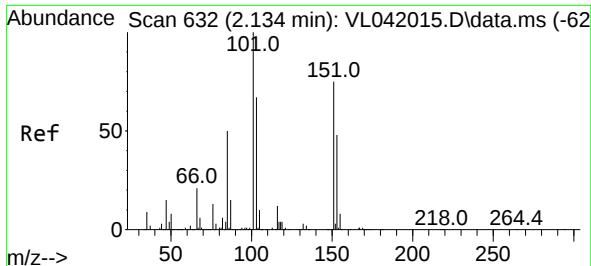
Tgt Ion: 101 Resp: 691

Ion Ratio Lower Upper

101 100

103 76.9 52.9 79.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 2.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042020.D

Acq: 14 Feb 2025 14:58

Instrument :

MSVOA_L

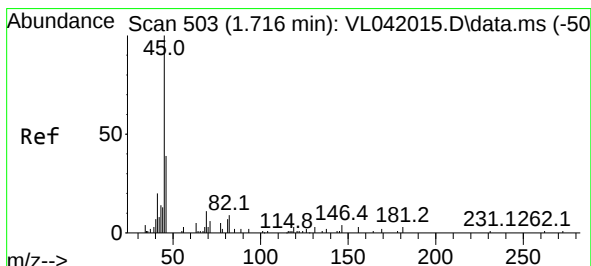
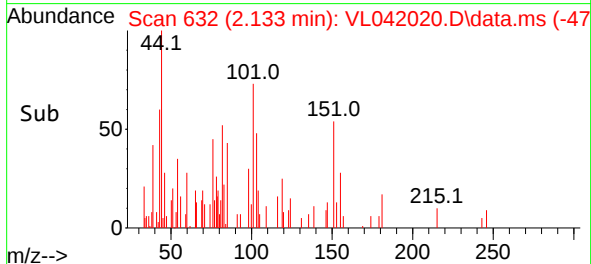
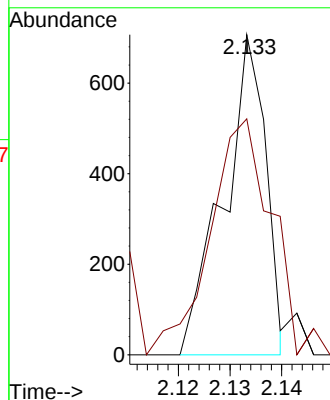
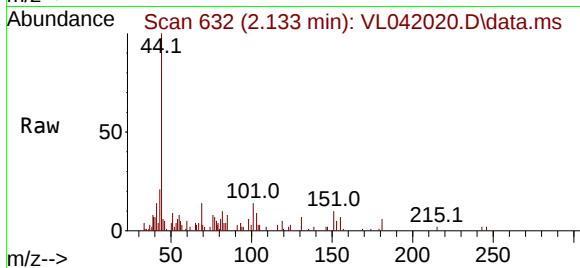
ClientSampleId :

Tgt Ion:101 Resp: 403

Ion Ratio Lower Upper

101 100

151 129.5 58.2 87.2#



#13

Ethanol

Concen: 1.376 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.165 min

Lab File: VL042020.D

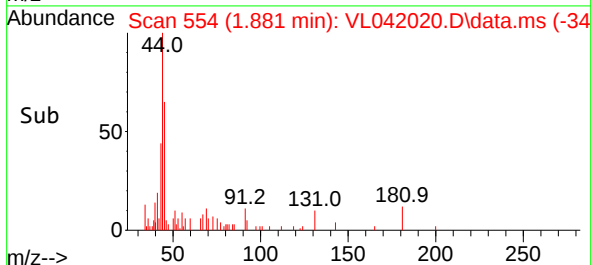
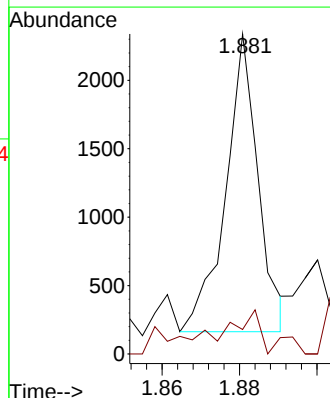
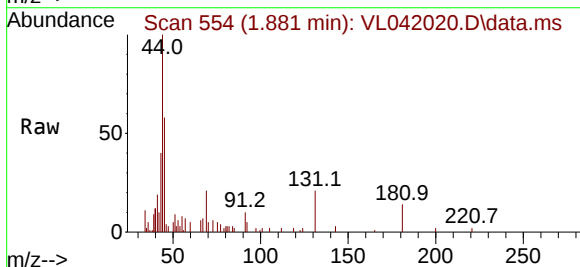
Acq: 14 Feb 2025 14:58

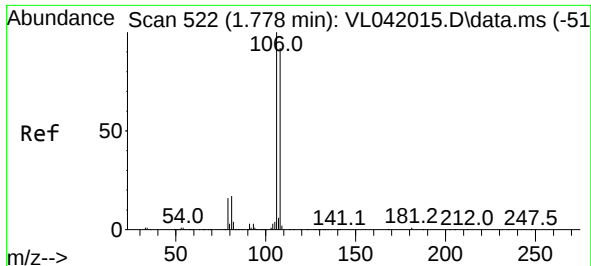
Tgt Ion: 45 Resp: 1267

Ion Ratio Lower Upper

45 100

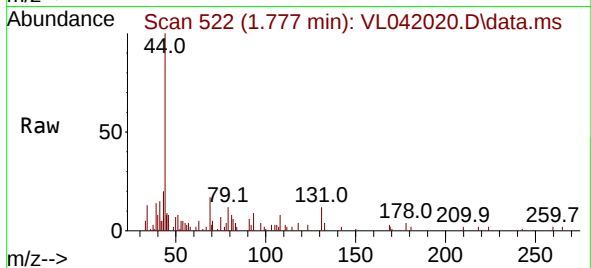
46 0.0 21.3 85.1#



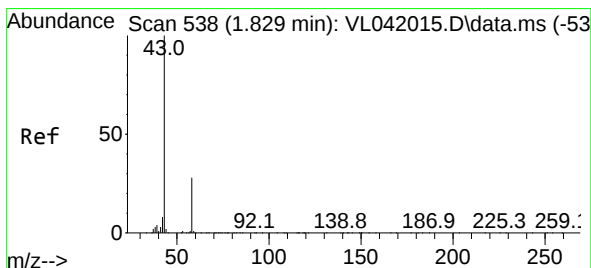
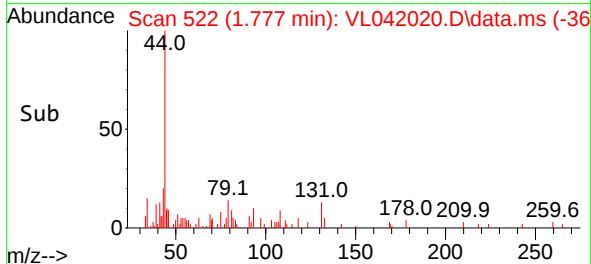
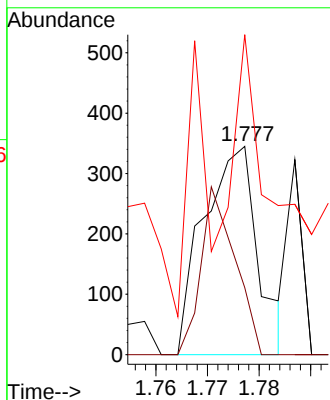


#14
Bromoethene
Concen: 0.054 ppbv
RT: 1.777 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Instrument :
MSVOA_L
ClientSampleId :

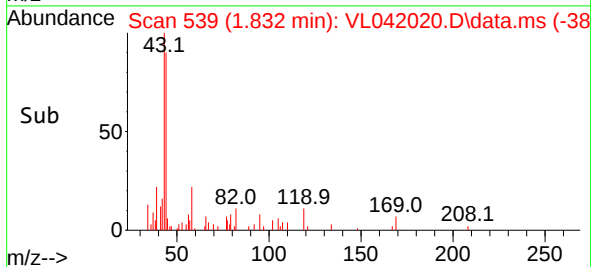
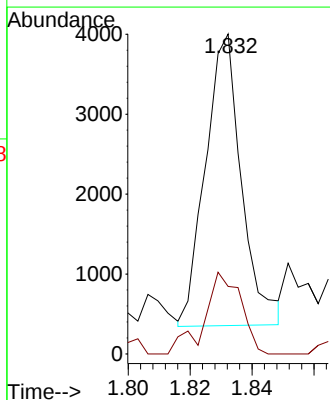
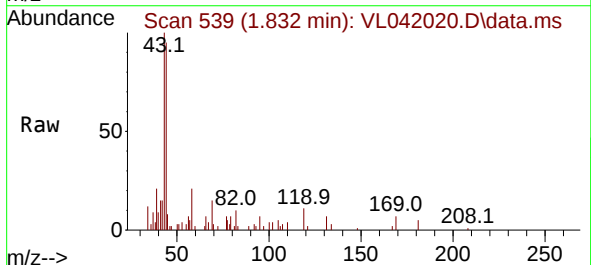


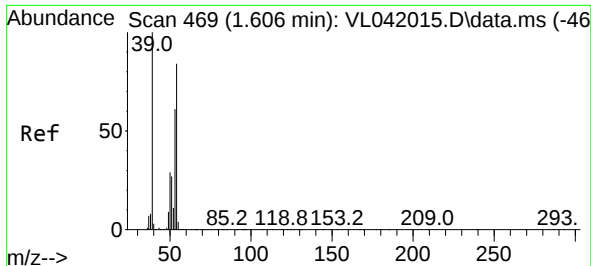
Tgt Ion:108 Resp: 253
Ion Ratio Lower Upper
108 100
106 50.2 85.0 127.6#
79 250.2 17.3 25.9#



#15
Acetone
Concen: 0.194 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
58 32.2 22.9 34.3

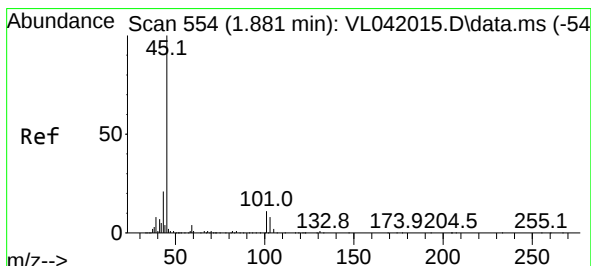
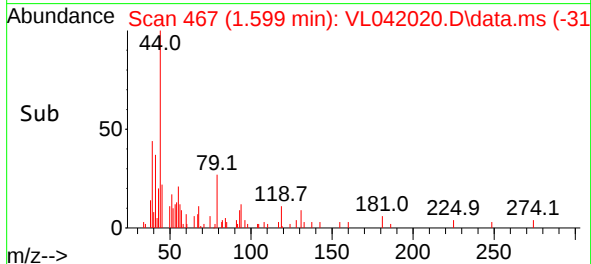
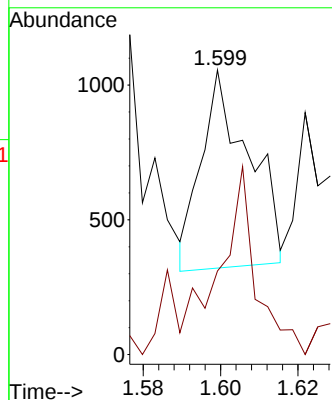
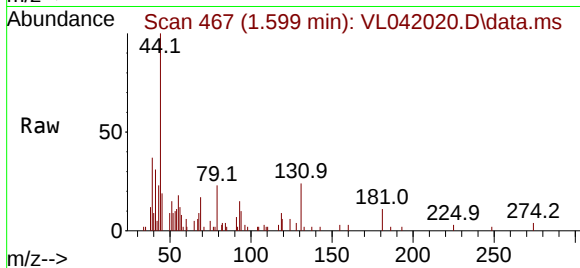




#16
1,3-Butadiene
Concen: 0.086 ppbv
RT: 1.599 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

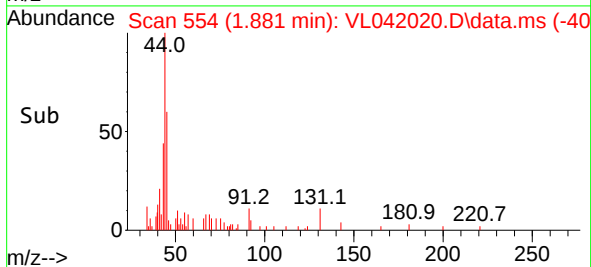
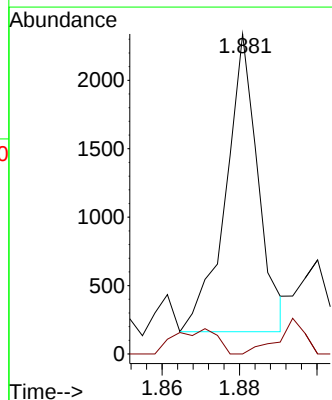
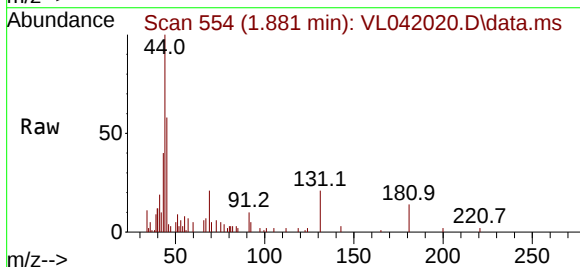
Instrument :
MSVOA_L
ClientSampleId :

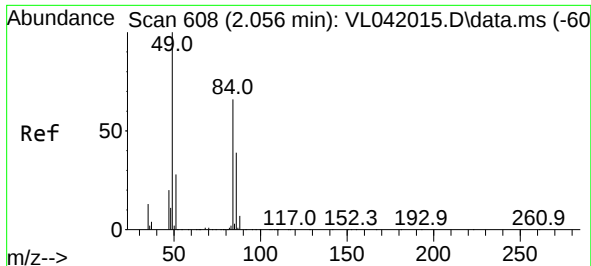
Tgt Ion: 39 Resp: 624
Ion Ratio Lower Upper
39 100
54 85.7 59.4 89.2



#19
Isopropyl Alcohol
Concen: 0.147 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

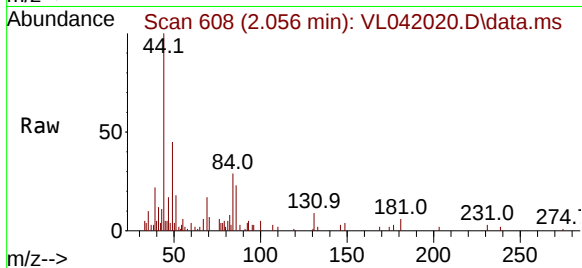
Tgt Ion: 45 Resp: 1267
Ion Ratio Lower Upper
45 100
58 11.0 36.2 54.4#



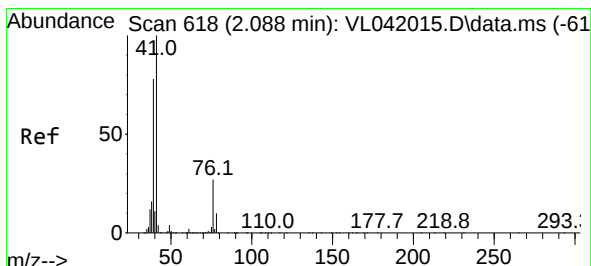
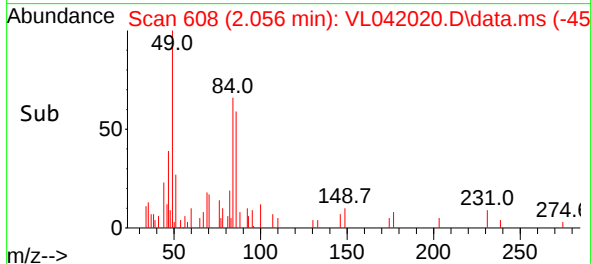
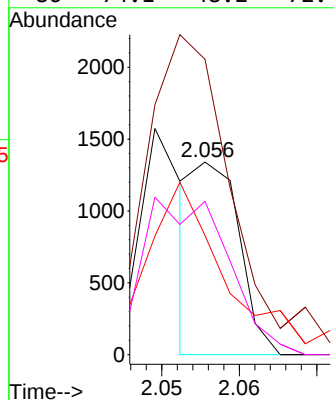


#20
Methylene Chloride
Concen: 0.094 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Instrument :
MSVOA_L
ClientSampleId :

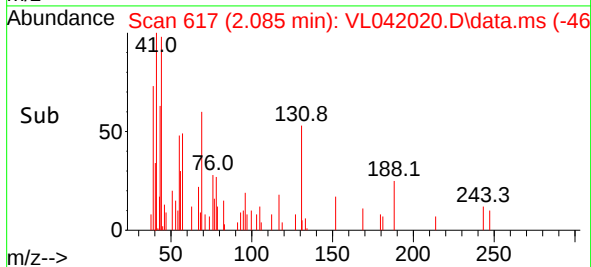
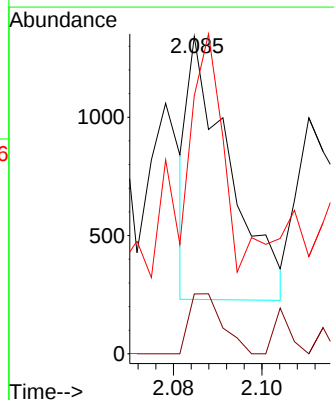
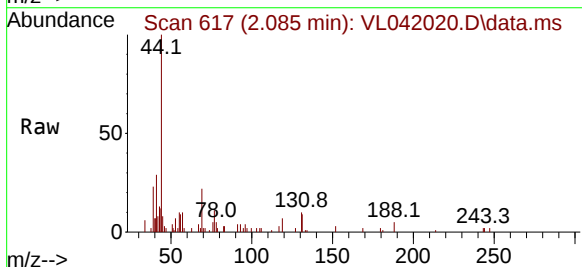


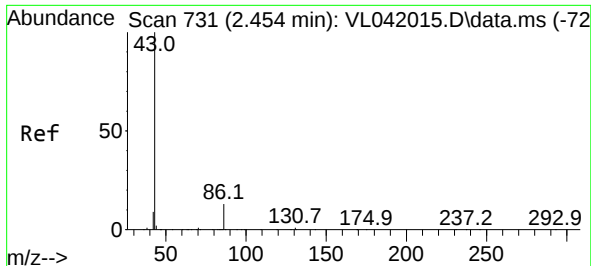
Tgt Ion: 84 Resp: 538
Ion Ratio Lower Upper
84 100
49 139.7 121.0 181.4
51 39.0 35.1 52.7
86 74.1 48.2 72.4#



#21
Allyl Chloride
Concen: 0.065 ppbv
RT: 2.085 min Scan# 617
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

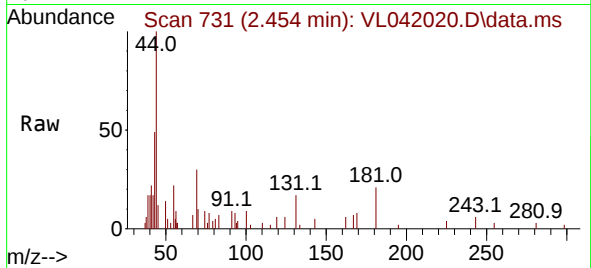
Tgt Ion: 41 Resp: 714
Ion Ratio Lower Upper
41 100
76 25.2 23.7 35.5
39 154.1 63.0 94.6#



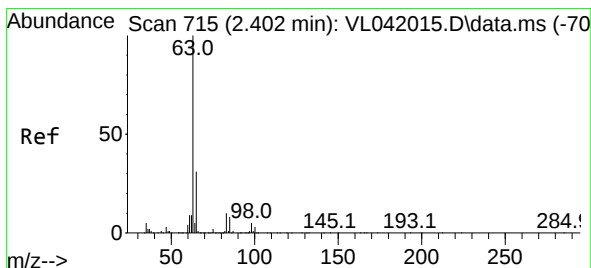
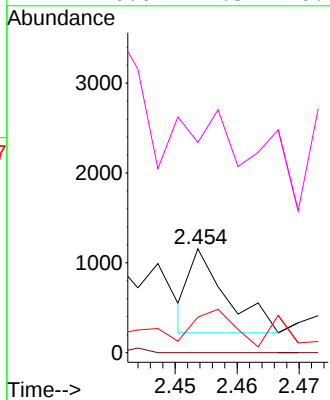
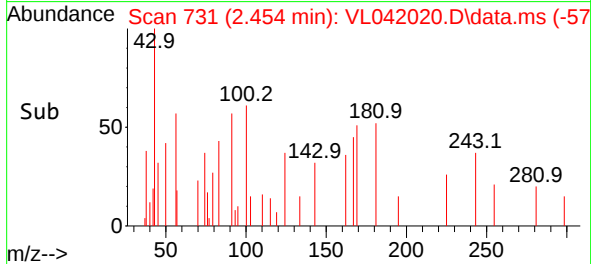


#23
Vinyl Acetate
Concen: 0.047 ppbv
RT: 2.454 min Scan# 714
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

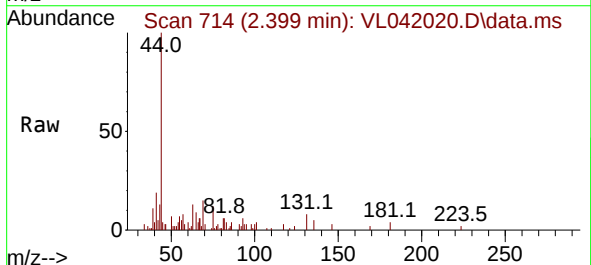
Instrument :
MSVOA_L
ClientSampleId :



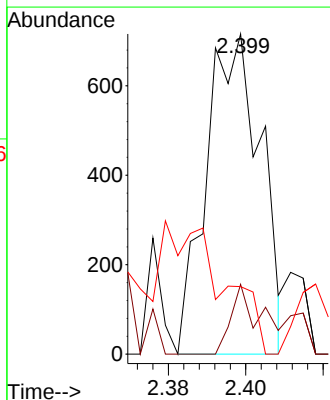
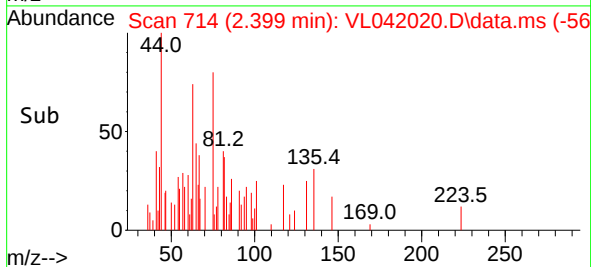
Tgt Ion:	43	Resp:	387
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#
42	28.7	7.5	11.3#
44	0.0	4.5	6.7#

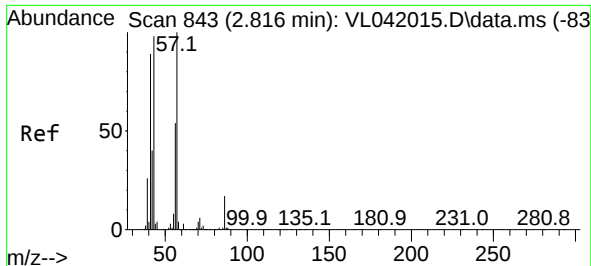


#24
1,1-Dichloroethane
Concen: 0.053 ppbv
RT: 2.399 min Scan# 714
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58



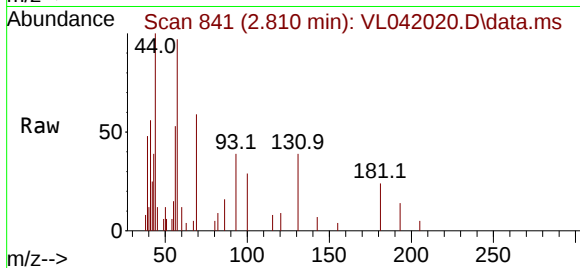
Tgt Ion:	63	Resp:	701
Ion	Ratio	Lower	Upper
63	100		
98	21.8	2.4	7.2#
100	21.1	1.6	4.8#



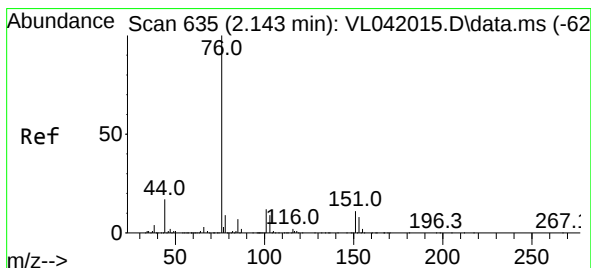
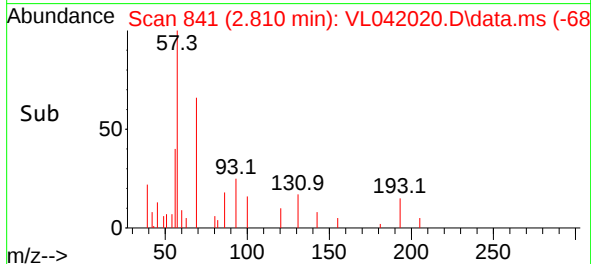
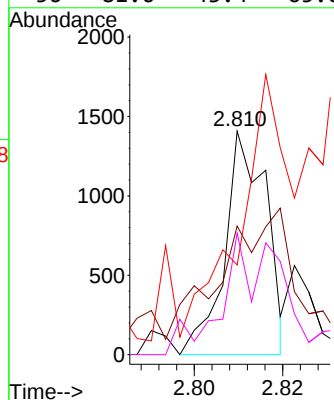


#26
Hexane
Concen: 0.055 ppbv
RT: 2.810 min Scan# 843
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Instrument :
MSVOA_L
ClientSampleId :

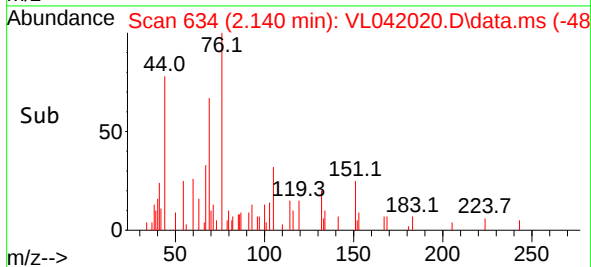
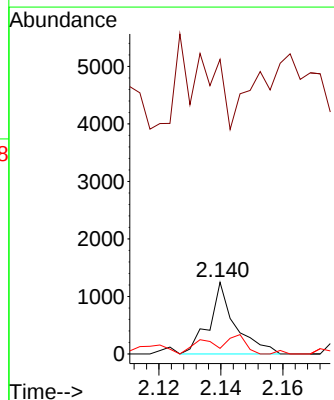
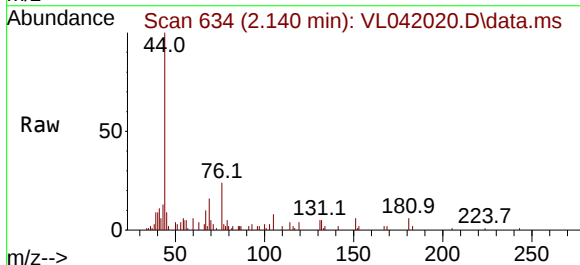


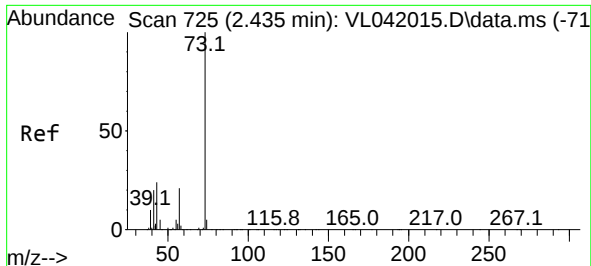
Tgt Ion: 57 Resp: 918
Ion Ratio Lower Upper
57 100
41 0.0 73.2 109.8#
43 0.0 200.8 301.2#
56 81.6 43.4 65.0#



#27
Carbon Disulfide
Concen: 0.046 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 76 Resp: 725
Ion Ratio Lower Upper
76 100
44 0.0 18.1 27.1#
78 56.6 9.5 14.3#

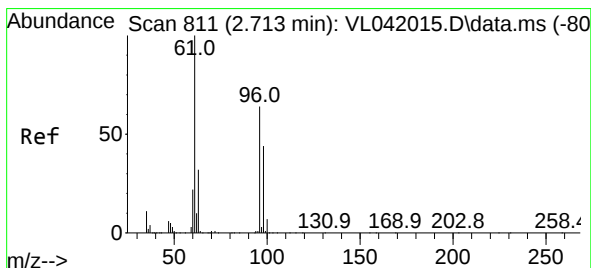
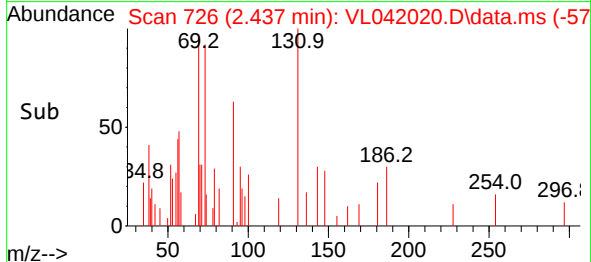
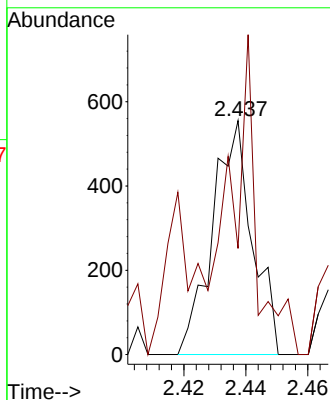
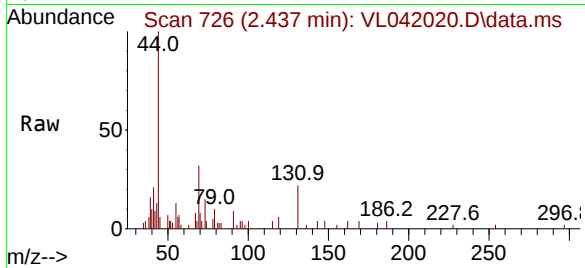




#28
Methyl tert-Butyl Ether
Concen: 0.048 ppbv
RT: 2.437 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

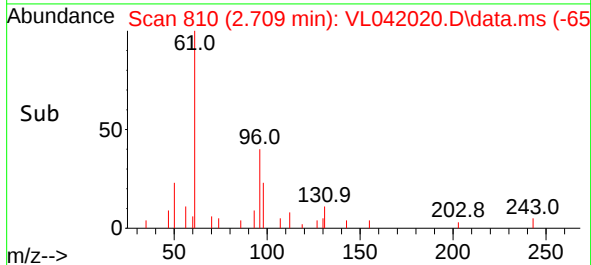
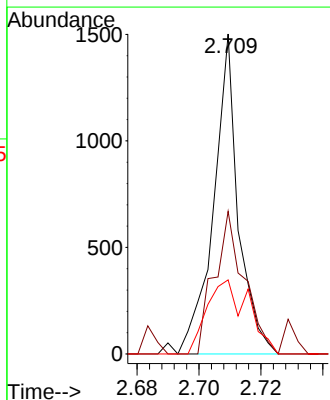
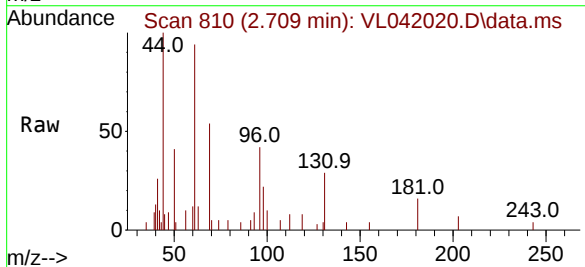
Instrument :
MSVOA_L
ClientSampleId :

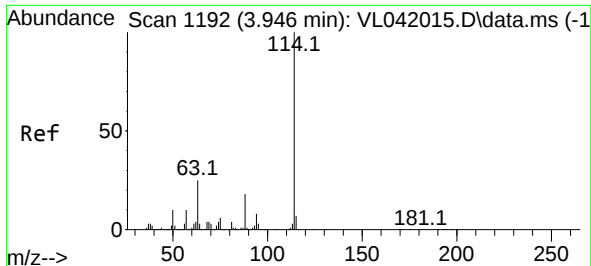
Tgt Ion: 73 Resp: 496
Ion Ratio Lower Upper
73 100
57 134.9 18.3 27.5#



#31
cis-1,2-Dichloroethene
Concen: 0.050 ppbv
RT: 2.709 min Scan# 810
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 61 Resp: 829
Ion Ratio Lower Upper
61 100
96 44.5 51.6 77.4#
98 23.2 34.8 52.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. -0.007 min

Lab File: VL042020.D

Acq: 14 Feb 2025 14:58

Instrument :

MSVOA_L

ClientSampleId :

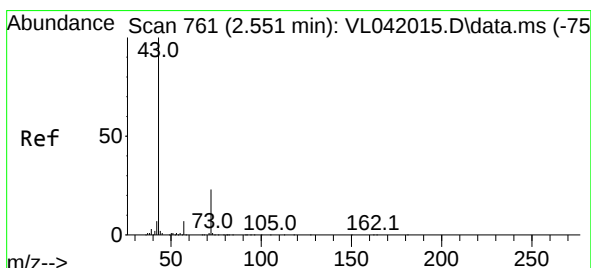
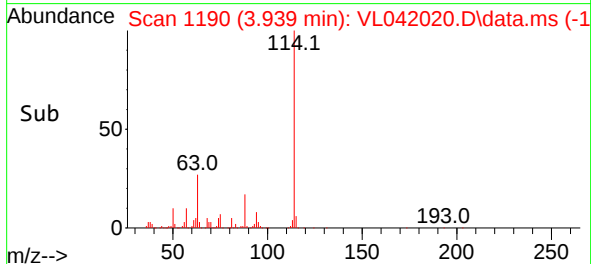
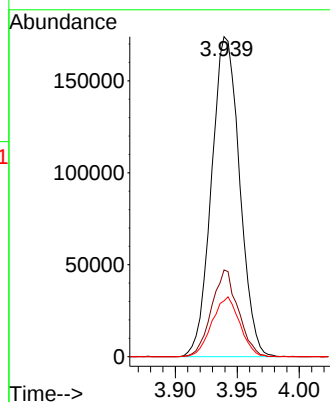
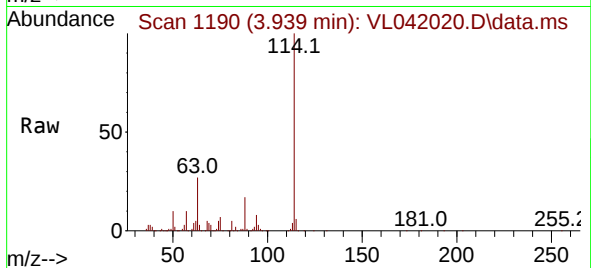
Tgt Ion:114 Resp: 275267

Ion Ratio Lower Upper

114 100

63 25.7 20.2 30.2

88 18.5 14.4 21.6



#34

2-Butanone

Concen: 0.048 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.003 min

Lab File: VL042020.D

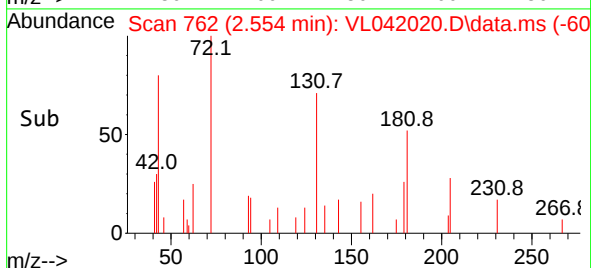
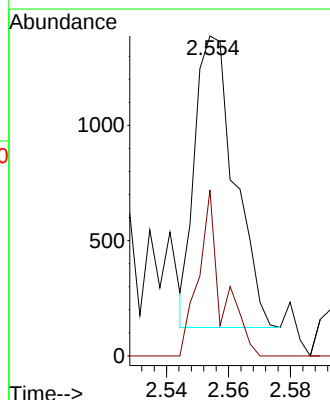
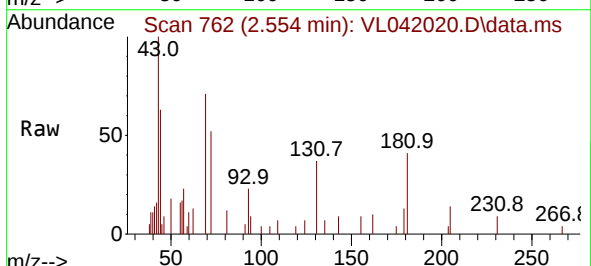
Acq: 14 Feb 2025 14:58

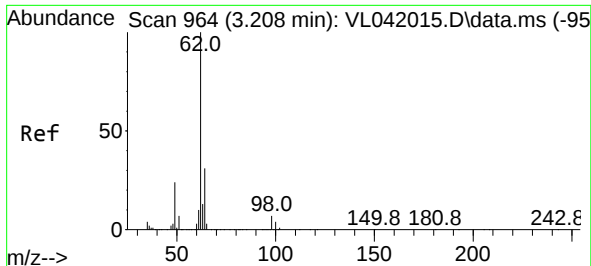
Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

72 33.8 18.3 27.5#

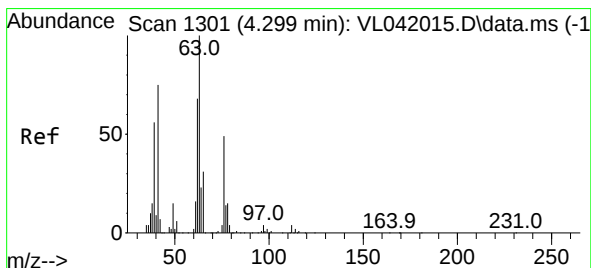
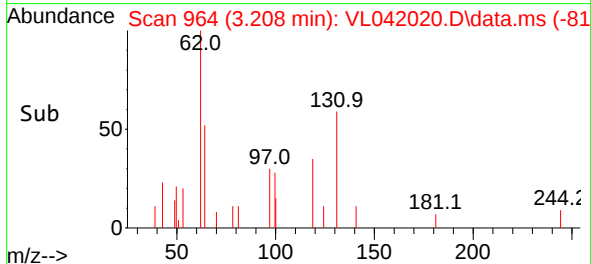
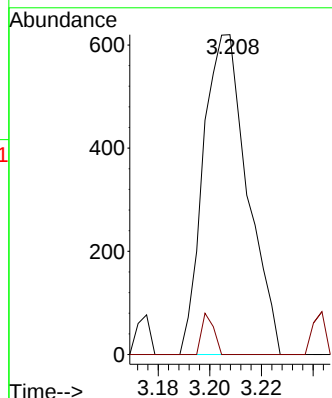
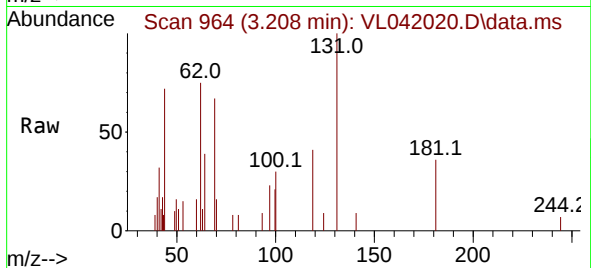




#37
 1,2-Dichloroethane
 Concen: 0.039 ppbv
 RT: 3.208 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

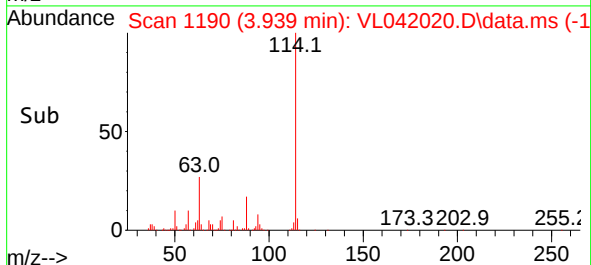
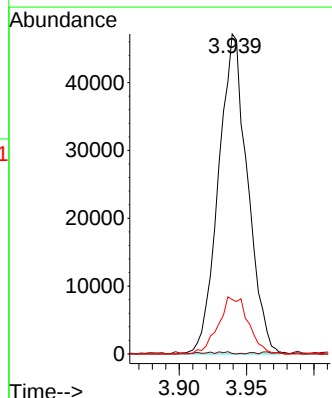
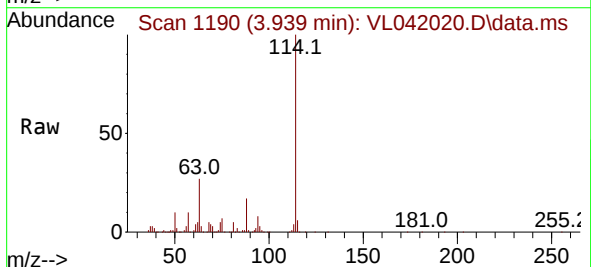
Instrument :
 MSVOA_L
 ClientSampleId :

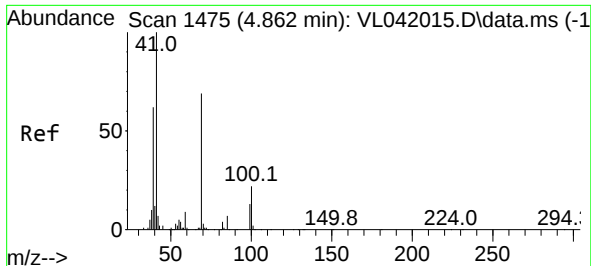
Tgt Ion: 62 Resp: 738
 Ion Ratio Lower Upper
 62 100
 98 3.5 5.7 8.5#



#39
 1,2-Dichloropropane
 Concen: 5.708 ppbv
 RT: 3.939 min Scan# 1190
 Delta R.T. -0.360 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

Tgt Ion: 63 Resp: 70613
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.1 90.1#
 62 16.9 54.0 81.0#

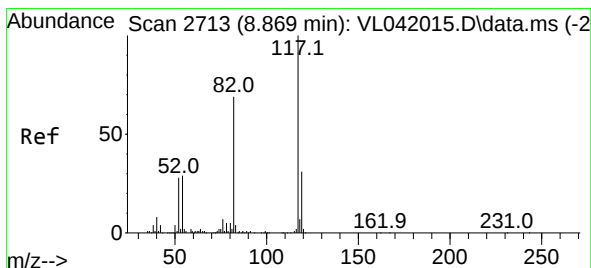
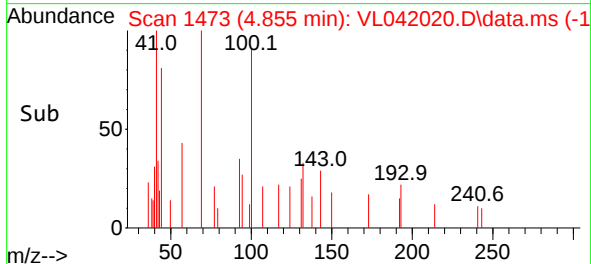
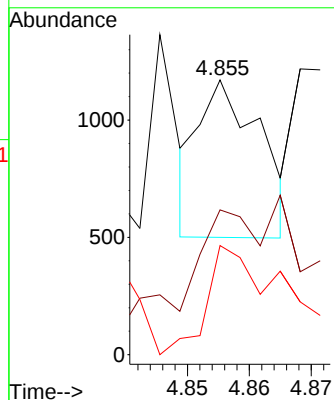
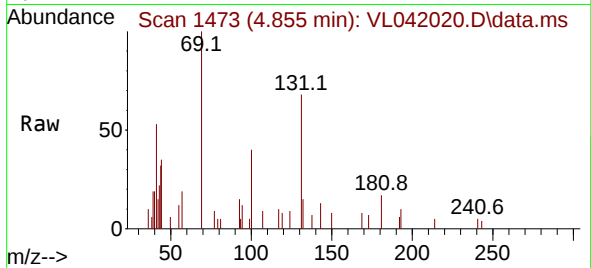




#43
Methyl Methacrylate
Concen: 0.031 ppbv
RT: 4.855 min Scan# 1475
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

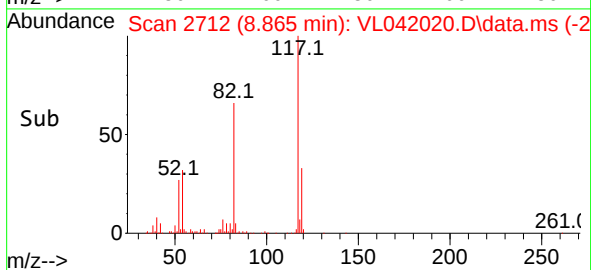
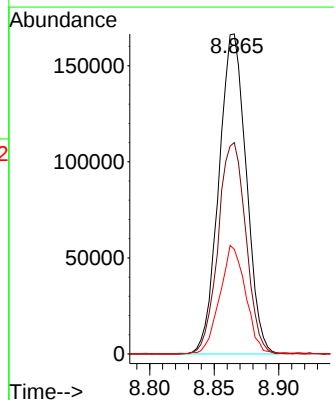
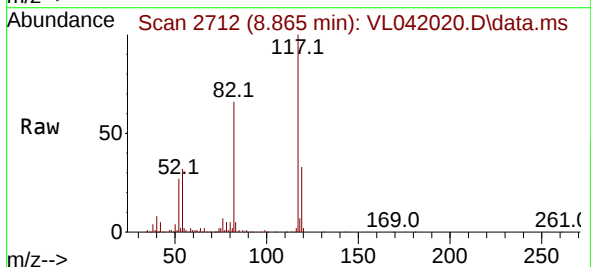
Instrument :
MSVOA_L
ClientSampleId :

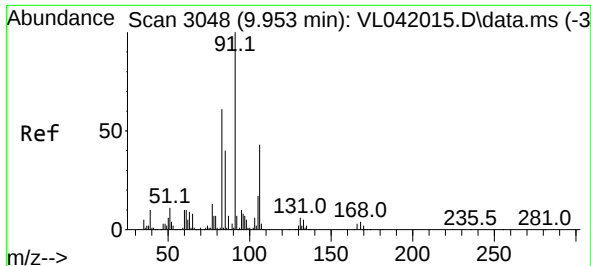
Tgt Ion: 69 Resp: 463
Ion Ratio Lower Upper
69 100
41 0.0 114.9 172.3#
100 82.1 28.8 43.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2712
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 117 Resp: 245994
Ion Ratio Lower Upper
117 100
82 66.7 55.7 83.5
119 32.4 25.2 37.8

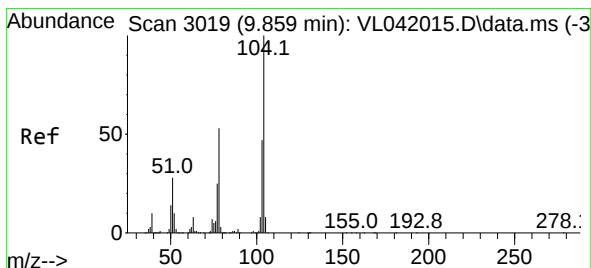
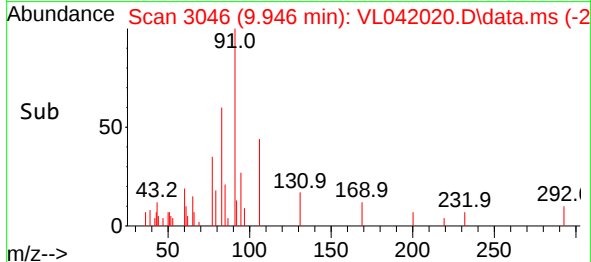
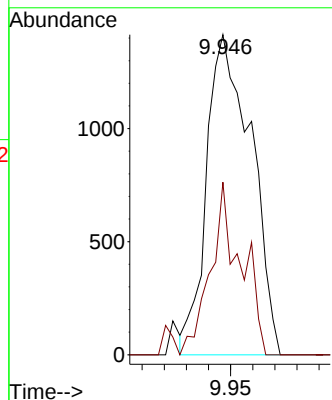
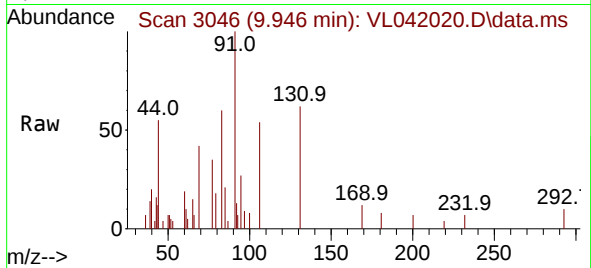




#60
o-Xylene
Concen: 0.046 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

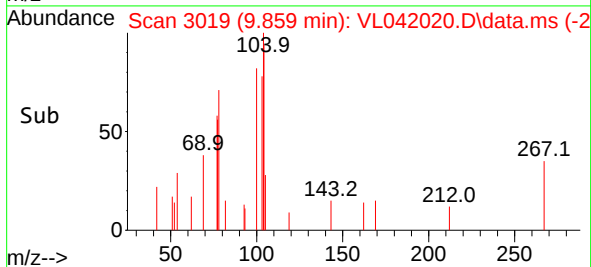
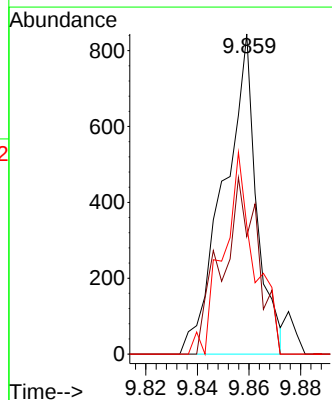
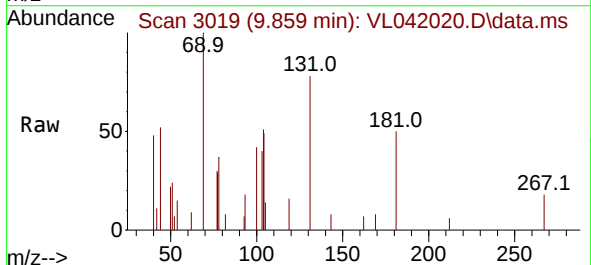
Instrument :
MSVOA_L
ClientSampleId :

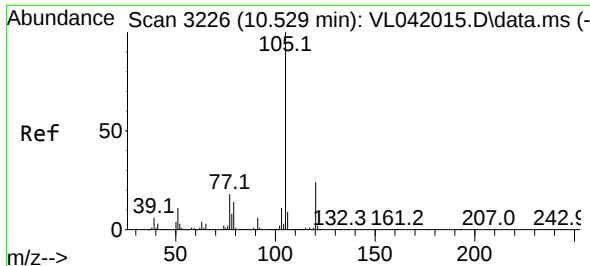
Tgt Ion: 91 Resp: 1982
Ion Ratio Lower Upper
91 100
106 39.0 21.4 64.3



#61
Styrene
Concen: 0.037 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 104 Resp: 750
Ion Ratio Lower Upper
104 100
78 60.1 42.2 63.4
103 59.7 38.1 57.1#

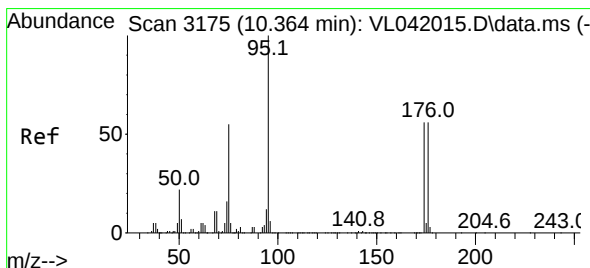
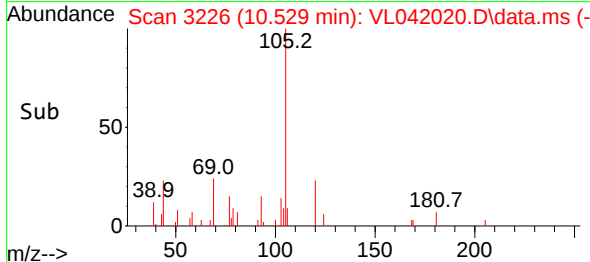
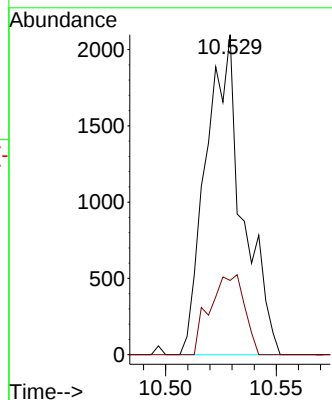
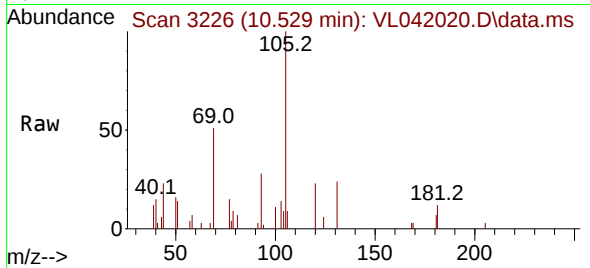




#62
Isopropylbenzene
Concen: 0.038 ppbv
RT: 10.529 min Scan# 3174
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

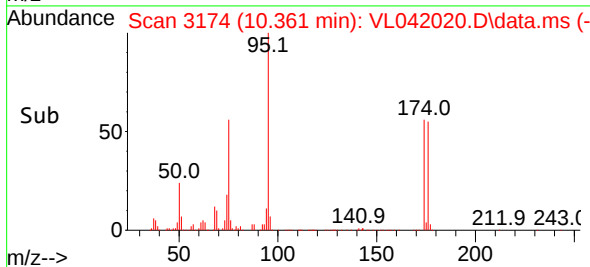
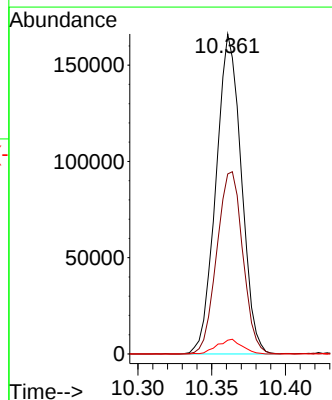
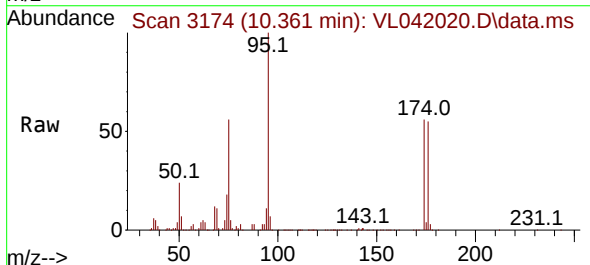
Instrument :
MSVOA_L
ClientSampleId :

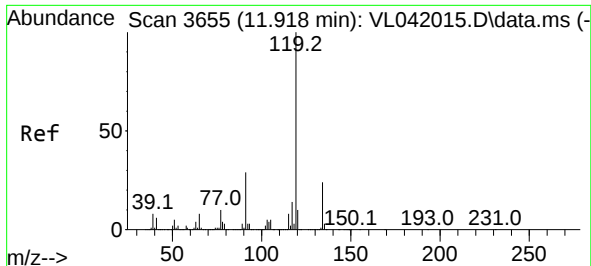
Tgt Ion:105 Resp: 2418
Ion Ratio Lower Upper
105 100
120 23.6 19.8 29.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.794 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 95 Resp: 198730
Ion Ratio Lower Upper
95 100
174 58.4 46.7 70.1
175 4.5 3.7 5.5

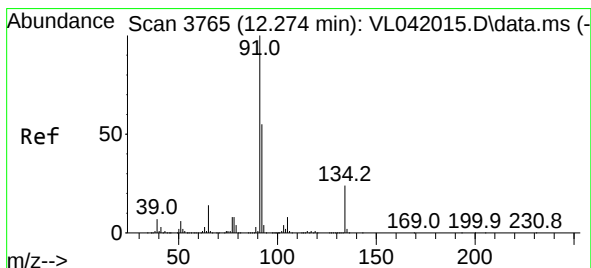
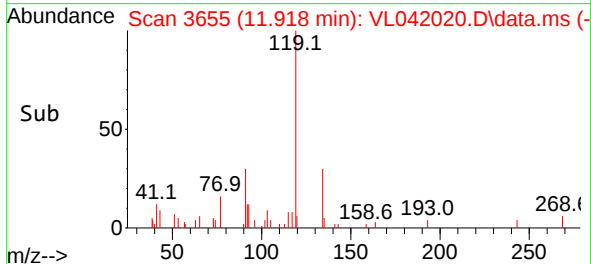
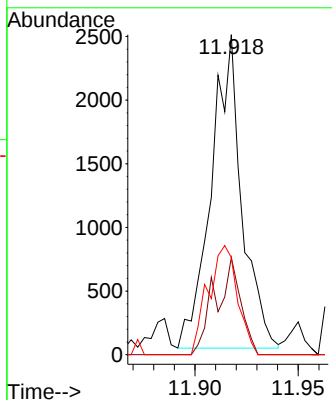
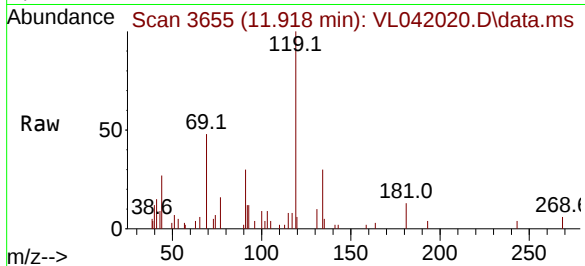




#69
 p-Isopropyltoluene
 Concen: 0.039 ppbv
 RT: 11.918 min Scan# 3655
 Delta R.T. -0.000 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

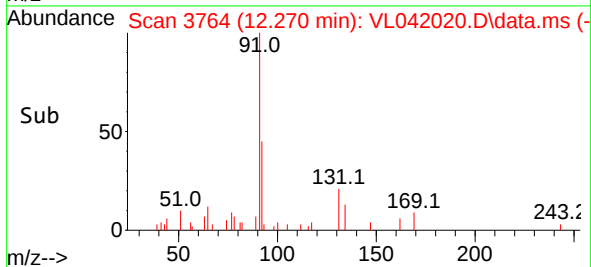
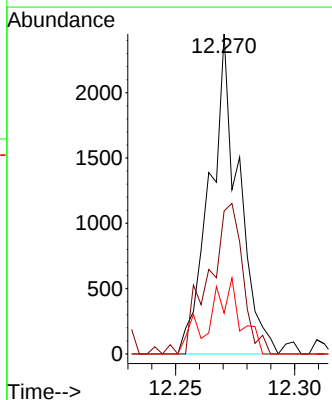
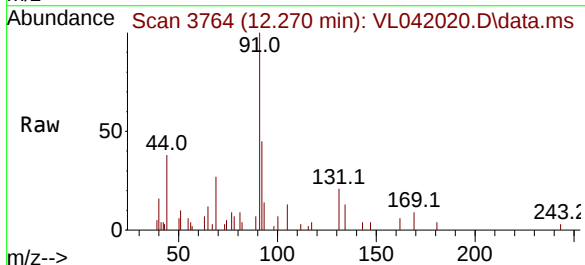
Instrument :
 MSVOA_L
 ClientSampleId :

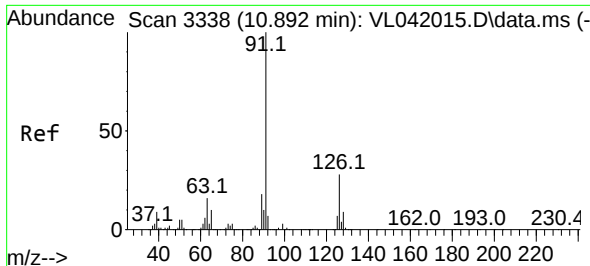
Tgt Ion:	119	Resp:	2538
Ion	Ratio	Lower	Upper
119	100		
134	25.8	19.4	29.0
91	33.3	23.4	35.2



#70
 n-Butylbenzene
 Concen: 0.032 ppbv
 RT: 12.270 min Scan# 3764
 Delta R.T. -0.004 min
 Lab File: VL042020.D
 Acq: 14 Feb 2025 14:58

Tgt Ion:	91	Resp:	2064
Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.8	65.8
134	25.6	18.6	27.8

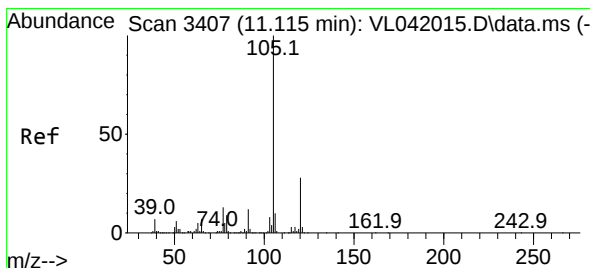
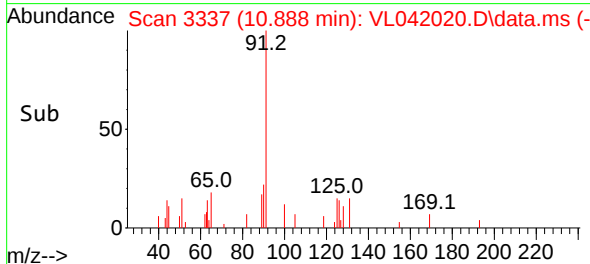
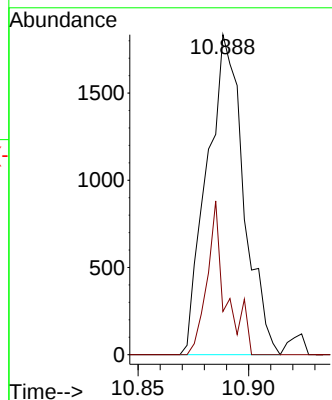
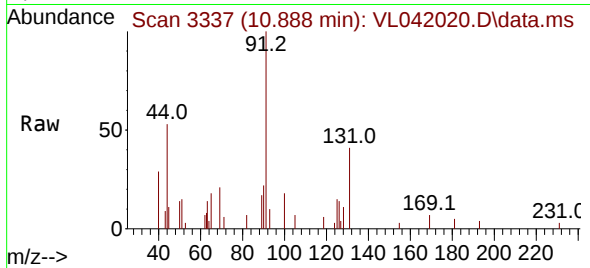




#71
2-Chlorotoluene
Concen: 0.044 ppbv
RT: 10.888 min Scan# 3118
Delta R.T. -0.004 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

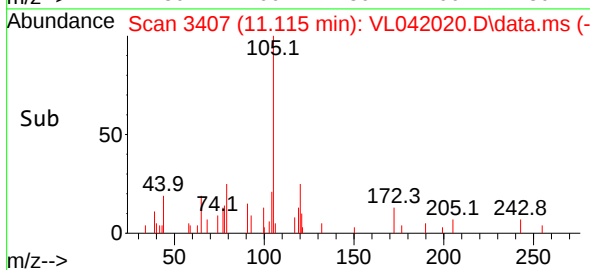
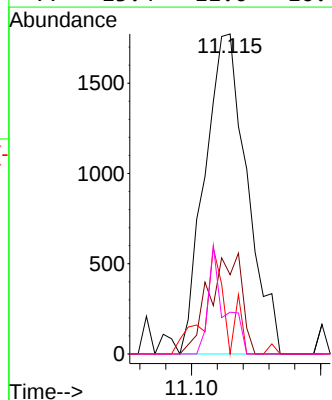
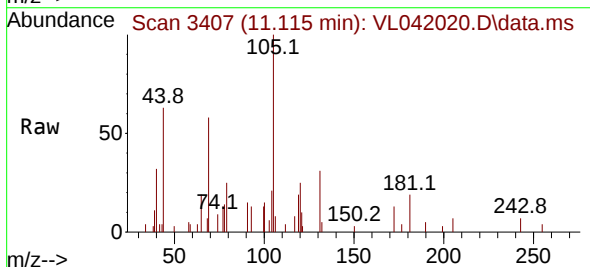
Instrument :
MSVOA_L
ClientSampleId :

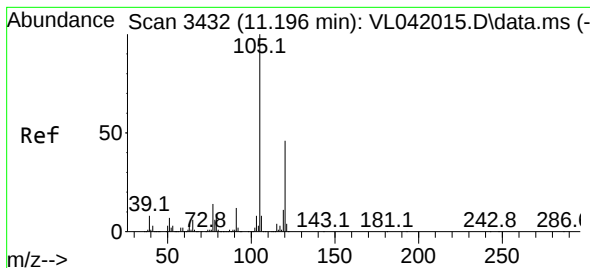
Tgt Ion: 91 Resp: 2118
Ion Ratio Lower Upper
91 100
126 24.3 11.2 45.0



#72
4-Ethyltoluene
Concen: 0.040 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.000 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

Tgt Ion: 105 Resp: 2010
Ion Ratio Lower Upper
105 100
120 24.1 22.7 34.1
91 17.6 10.2 15.2#
77 13.4 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 0.043 ppbv

RT: 11.193 min Scan# 34

Delta R.T. -0.004 min

Lab File: VL042020.D

Acq: 14 Feb 2025 14:58

Instrument :

MSVOA_L

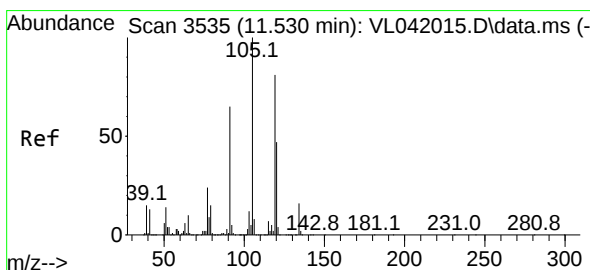
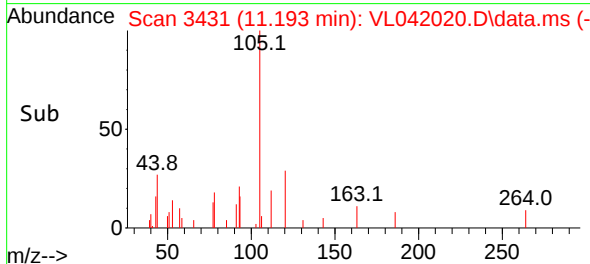
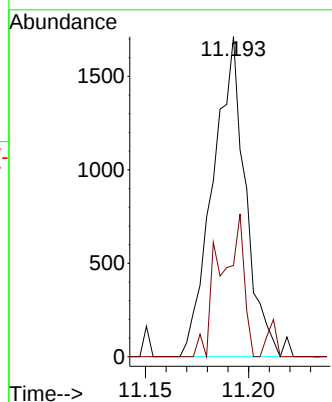
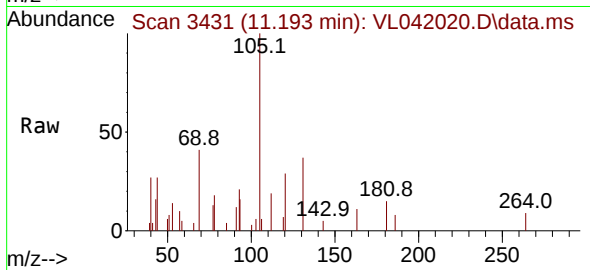
ClientSampleId :

Tgt Ion:105 Resp: 1875

Ion Ratio Lower Upper

105 100

120 28.5 37.1 55.7#



#74

1,2,4-Trimethylbenzene

Concen: 0.038 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. -0.007 min

Lab File: VL042020.D

Acq: 14 Feb 2025 14:58

Tgt Ion:105 Resp: 1772

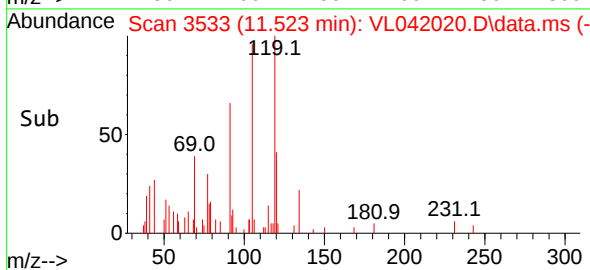
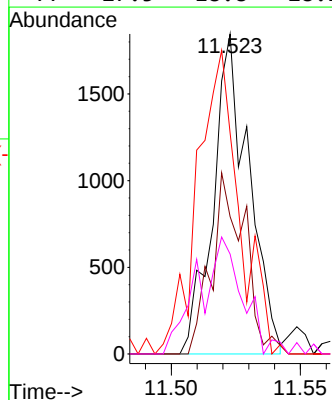
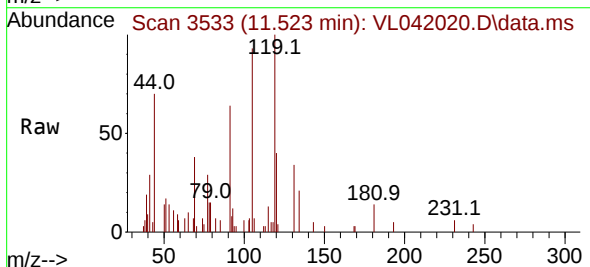
Ion Ratio Lower Upper

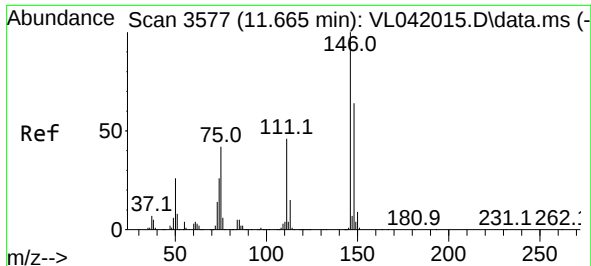
105 100

120 42.9 37.5 56.3

91 66.1 51.7 77.5

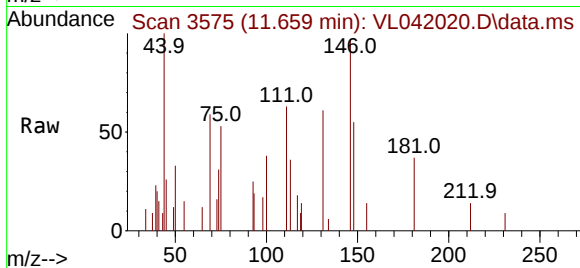
77 27.5 18.8 28.2



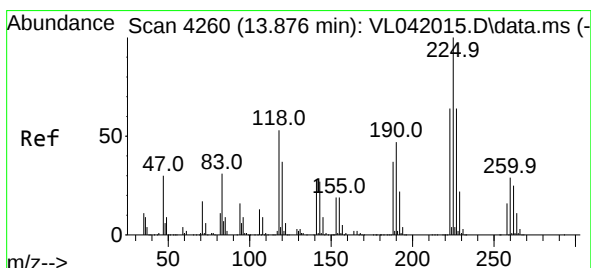
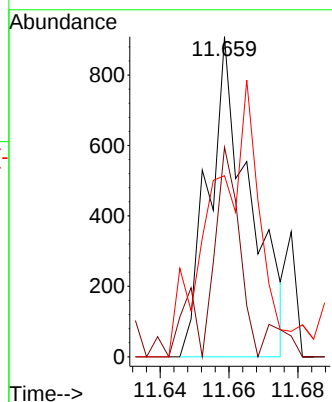
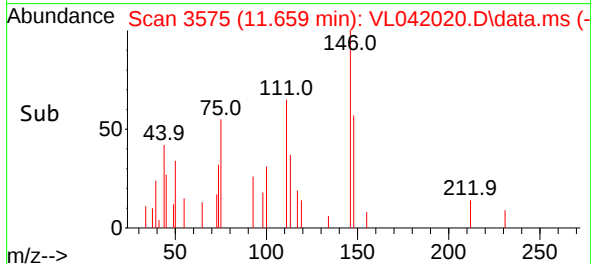


#76
1,4-Dichlorobenzene
Concen: 0.031 ppbv
RT: 11.659 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58

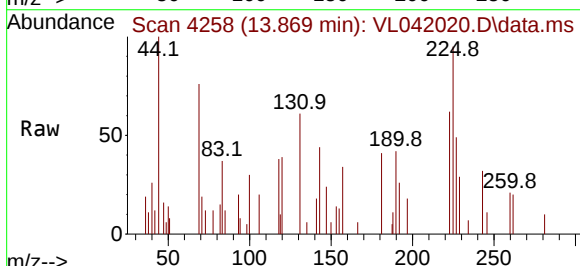
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:146 Resp: 755
Ion Ratio Lower Upper
146 100
111 52.6 23.5 70.5
148 103.4 32.3 96.9#



#78
Hexachloro-1,3-Butadiene
Concen: 0.037 ppbv
RT: 13.869 min Scan# 4258
Delta R.T. -0.007 min
Lab File: VL042020.D
Acq: 14 Feb 2025 14:58



Tgt Ion:225 Resp: 735
Ion Ratio Lower Upper
225 100
223 85.3 50.6 75.8#
227 0.0 50.9 76.3#

