

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041594.D
 Acq On : 16 Sep 2024 14:36
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 04:27:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 02:32:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1163991	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3218358	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2901355	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2171693	9.794	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	176543	0.893	ppbv	100
3) Chlorodifluoromethane	2.658	51	143593	1.030	ppbv	99
4) Chloromethane	2.796	50	77058	1.029	ppbv	98
5) Vinyl Chloride	2.906	62	73731	1.011	ppbv	99
6) Bromomethane	3.105	94	32268	0.875	ppbv	86
7) Chloroethane	3.182	64	25889	1.022	ppbv	91
8) Dichlorotetrafluoroethane	2.841	85	179916	1.009	ppbv	91
9) Propene	2.681	41	60205	0.938	ppbv	94
10) Heptane	7.565	43	136494	0.944	ppbv	99
11) Trichlorofluoromethane	3.545	101	190406	1.064	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	135246	1.048	ppbv	98
13) Ethanol	3.246	45	2469	0.460	ppbv	63
14) Bromoethene	3.353	108	48959	0.976	ppbv #	92
15) Acetone	3.462	43	144857	1.089	ppbv	97
16) 1,3-Butadiene	2.970	39	71179	1.000	ppbv	100
17) tert-Butyl alcohol	3.867	59	132423	1.090	ppbv	96
18) 1,1-Dichloroethene	3.861	96	57053	1.032	ppbv	91
19) Isopropyl Alcohol	3.571	45	76655	0.998	ppbv #	94
20) Methylene Chloride	3.915	84	55627	1.119	ppbv	97
21) Allyl Chloride	3.976	41	83509	0.961	ppbv	89
22) trans-1,2-Dichloroethene	4.426	96	53748	0.976	ppbv	96
23) Vinyl Acetate	4.610	43	75873	0.786	ppbv #	93
24) 1,1-Dichloroethane	4.542	63	122972	1.024	ppbv	99
25) Ethyl Acetate	5.192	43	266035	0.998	ppbv	98
26) Hexane	5.195	57	107564	0.979	ppbv	93
27) Carbon Disulfide	4.105	76	109406	0.860	ppbv	97
28) Methyl tert-Butyl Ether	4.574	73	67246	0.977	ppbv	99
29) Chloroform	5.253	83	183121	1.024	ppbv	96
30) Cyclohexane	6.577	84	77992	0.874	ppbv	87
31) cis-1,2-Dichloroethene	5.060	61	103032	0.955	ppbv	98
32) 1,1,1-Trichloroethane	5.979	97	168967	0.973	ppbv	97
34) 2-Butanone	4.774	43	140700	0.903	ppbv	94
35) Carbon Tetrachloride	6.475	117	166616	0.940	ppbv	97
36) Benzene	6.349	78	217922	0.924	ppbv	97
37) 1,2-Dichloroethane	5.787	62	130607	0.989	ppbv	97
38) Trichloroethene	7.269	130	114753	1.039	ppbv	94
39) 1,2-Dichloropropane	7.050	63	89452	0.987	ppbv	92
40) 1,4-Dioxane	7.294	88	32240	0.893	ppbv #	87
41) Tetrahydrofuran	5.552	42	70115	0.781	ppbv	90
42) Bromodichloromethane	7.230	83	179366	0.945	ppbv	99
43) Methyl Methacrylate	7.462	69	72483	0.861	ppbv	93
44) 2,2,4-Trimethylpentane	7.304	57	389526	0.985	ppbv	96
45) t-1,3-Dichloropropene	8.693	75	50543	0.674	ppbv	95

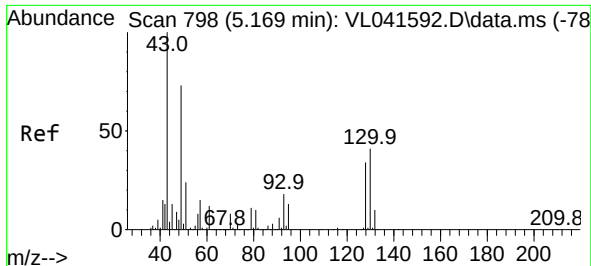
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 Data File : VL041594.D
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Quant Time: Sep 17 04:27:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 02:32:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	82468	0.748	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	97460	0.979	ppbv	94
48) Dibromochloromethane	9.687	129	137881	0.866	ppbv	99
49) Bromoform	12.388	173	116706	0.870	ppbv	97
50) 4-Methyl-2-Pentanone	8.172	43	224369	0.910	ppbv	99
51) 2-Hexanone	9.542	43	61630	0.333	ppbv #	31
52) Tetrachloroethene	10.593	164	86388	0.952	ppbv	94
53) Toluene	9.198	91	226360	0.863	ppbv	99
54) 1,2-Dibromoethane	9.986	107	121996	0.932	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.487	131	116306	1.030	ppbv #	1
57) Chlorobenzene	11.503	112	222410	1.071	ppbv #	94
58) Ethyl Benzene	12.072	91	318095	0.947	ppbv	97
59) m/p-Xylene	12.346	91	364110	1.257	ppbv #	61
60) o-Xylene	13.037	91	270052	0.983	ppbv	100
61) Styrene	12.879	104	98015	0.794	ppbv	97
62) Isopropylbenzene	14.008	105	423939	1.017	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.027	83	154402	0.920	ppbv	99
64) n-propylbenzene	14.895	120	103274	0.949	ppbv	80
65) tert-Butylbenzene	16.072	119	388333	1.032	ppbv	98
66) Benzyl Chloride	16.301	91	3483	0.154	ppbv #	58
67) sec-Butylbenzene	16.616	105	546134	1.051	ppbv	99
69) p-Isopropyltoluene	16.976	119	428199	0.995	ppbv	98
70) n-Butylbenzene	17.870	91	456221	1.034	ppbv	96
71) 2-Chlorotoluene	14.780	91	303828	0.989	ppbv	100
72) 4-Ethyltoluene	15.172	105	315109	0.977	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.330	105	282986	1.019	ppbv	97
74) 1,2,4-Trimethylbenzene	16.082	105	169749	0.525	ppbv	95
75) 1,3-Dichlorobenzene	16.307	146	206679	1.019	ppbv	96
76) 1,4-Dichlorobenzene	16.452	146	205278	1.046	ppbv	97
77) 1,2-Dichlorobenzene	17.124	146	206345	1.027	ppbv	96
78) Hexachloro-1,3-Butadiene	22.609	225	111096	0.651	ppbv #	31
79) Naphthalene	21.368	128	226964	0.812	ppbv	95
80) Naphthalene,2-methyl-	24.358	142	117494	0.524	ppbv	96
81) 1,2,4-Trichlorobenzene	21.124	180	145946	0.876	ppbv	95

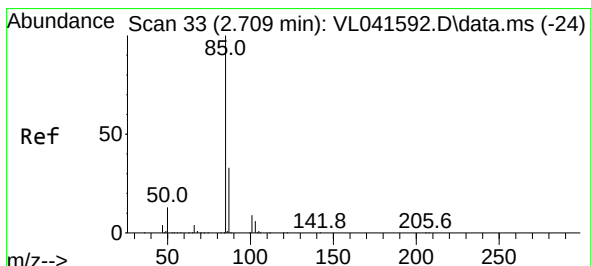
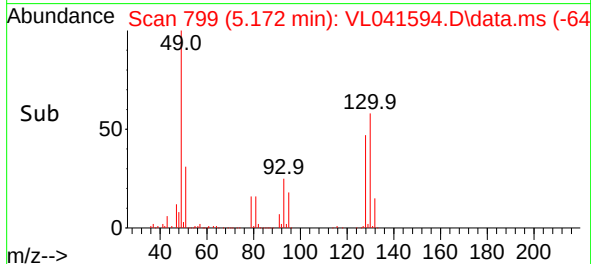
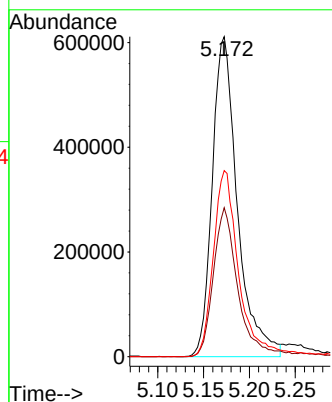
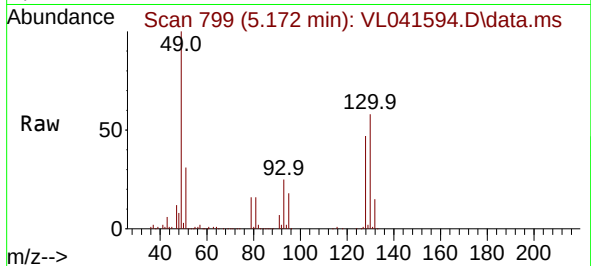
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.172 min Scan# 798
 Delta R.T. 0.003 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

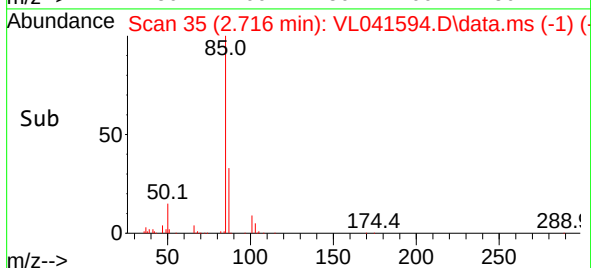
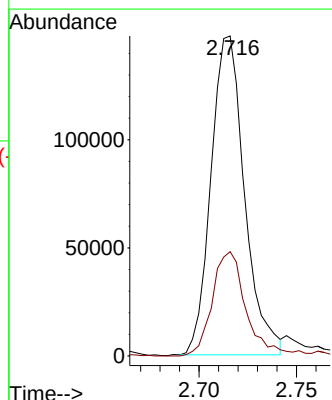
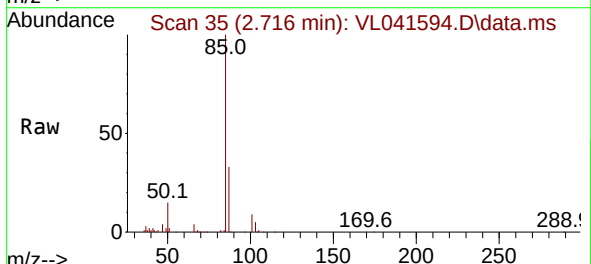
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 MSVOA_L
 ClientSampleId :

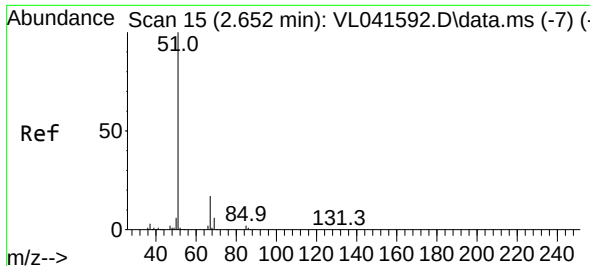
Tgt Ion: 49 Resp: 1163991
 Ion Ratio Lower Upper
 49 100
 128 47.0 23.8 71.5
 130 60.9 30.4 91.3



#2
 Dichlorodifluoromethane
 Concen: 0.893 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. 0.006 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 85 Resp: 176543
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.3 39.5

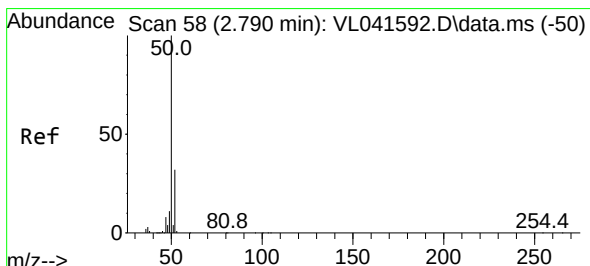
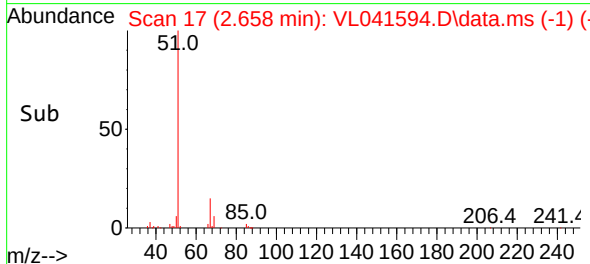
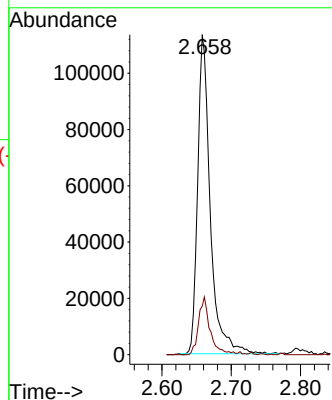
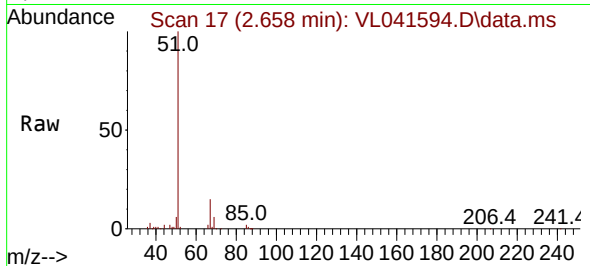




#3
Chlorodifluoromethane
Concen: 1.030 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

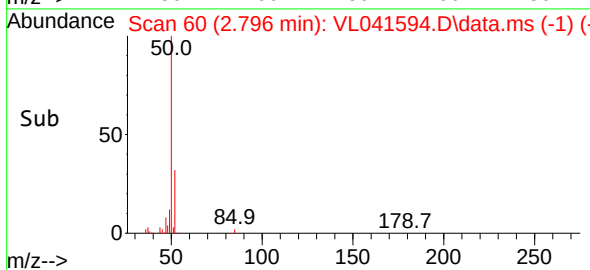
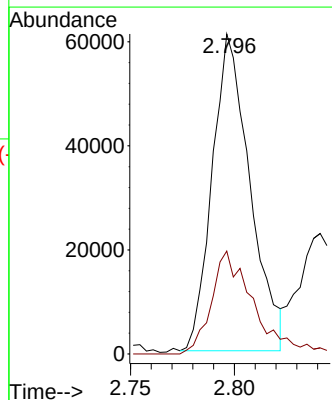
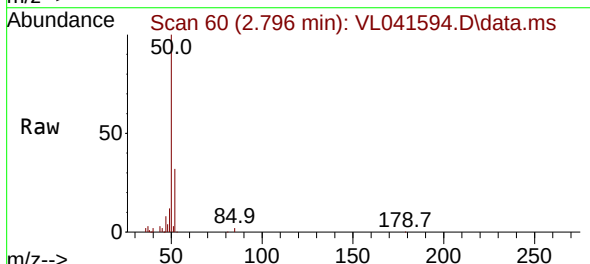
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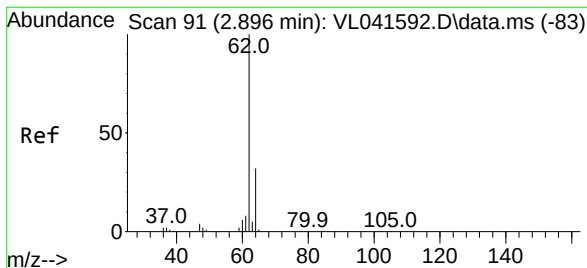
Tgt Ion: 51 Resp: 143593
Ion Ratio Lower Upper
51 100
67 17.2 14.1 21.1



#4
Chloromethane
Concen: 1.029 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 50 Resp: 77058
Ion Ratio Lower Upper
50 100
52 32.7 25.4 38.2

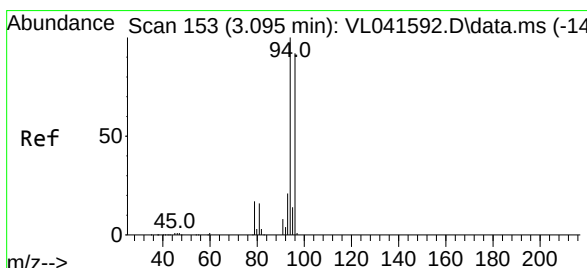
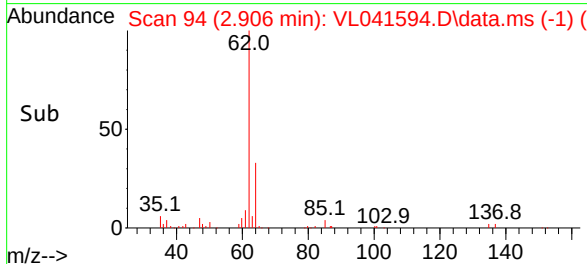
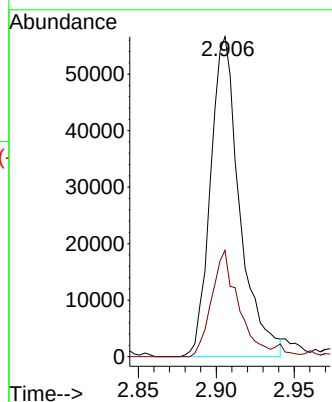
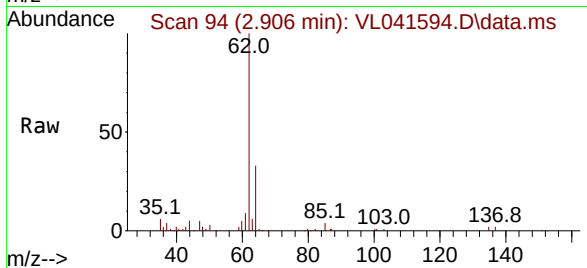




#5
 Vinyl Chloride
 Concen: 1.011 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.010 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

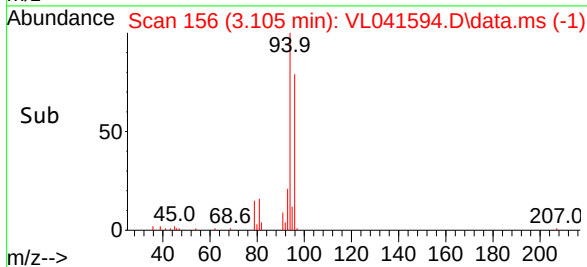
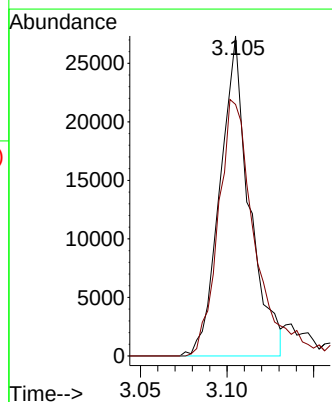
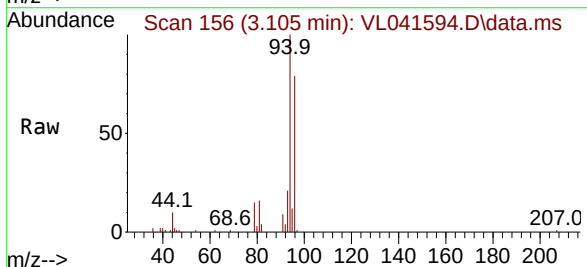
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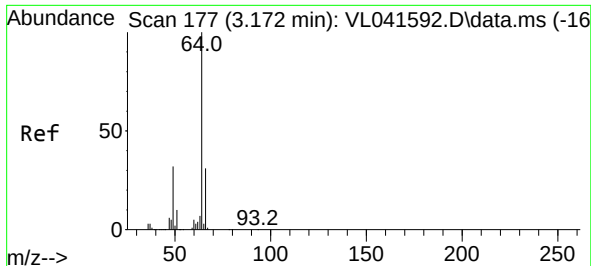
Tgt Ion: 62 Resp: 73731
 Ion Ratio Lower Upper
 62 100
 64 33.2 26.0 39.0



#6
 Bromomethane
 Concen: 0.875 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.010 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 94 Resp: 32268
 Ion Ratio Lower Upper
 94 100
 96 78.6 73.4 110.2

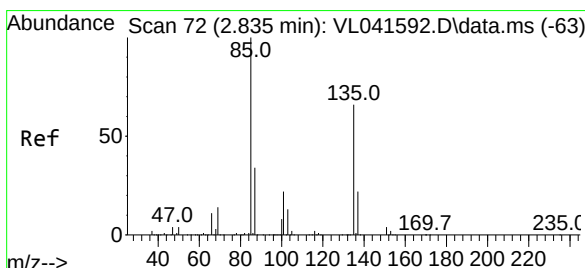
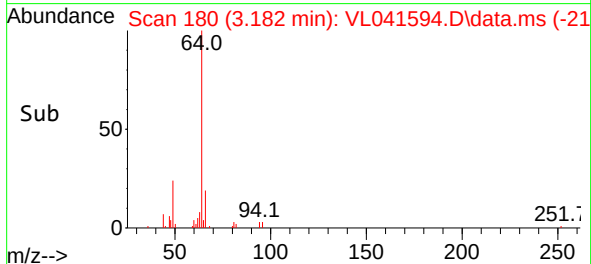
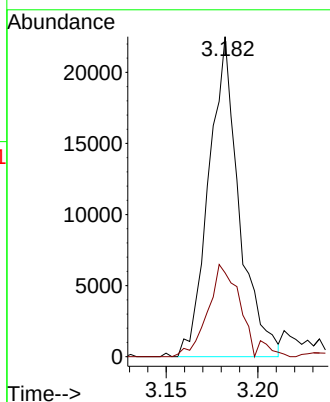
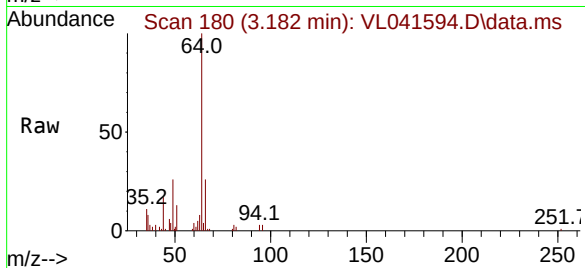




#7
Chloroethane
Concen: 1.022 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

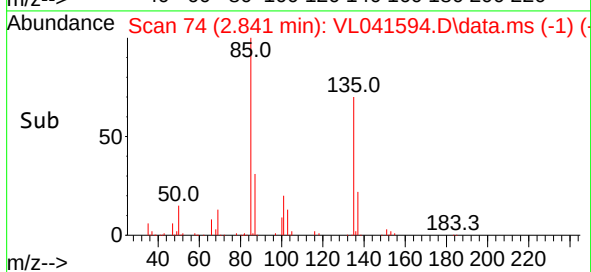
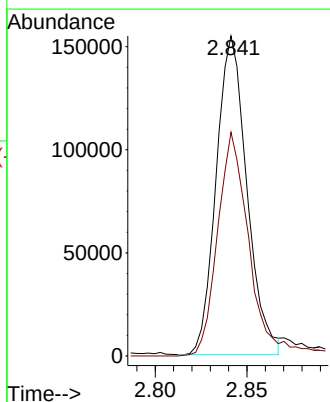
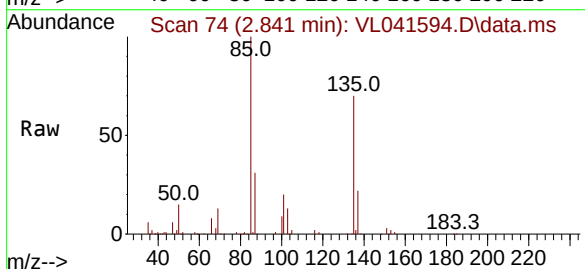
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MSVOA_L
ClientSampleId :

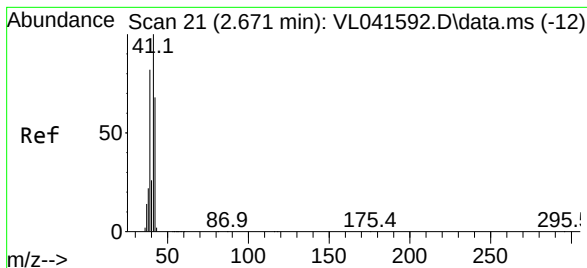
Tgt Ion: 64 Resp: 25889
Ion Ratio Lower Upper
64 100
66 26.2 25.1 37.7



#8
Dichlorotetrafluoroethane
Concen: 1.009 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 85 Resp: 179916
Ion Ratio Lower Upper
85 100
135 74.4 53.9 80.9





#9

Propene

Concen: 0.938 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.010 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

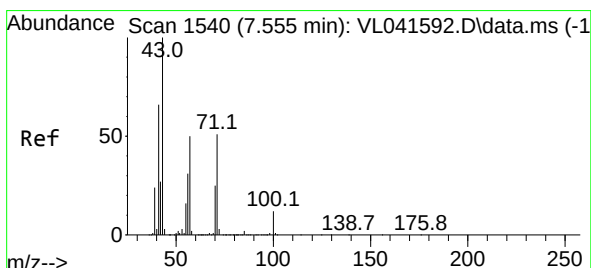
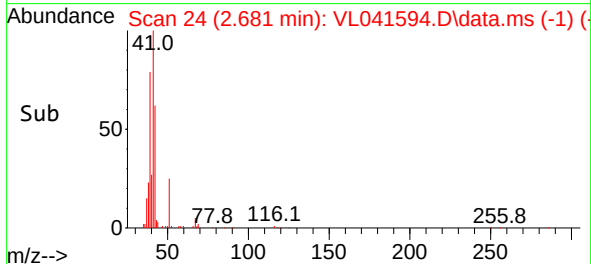
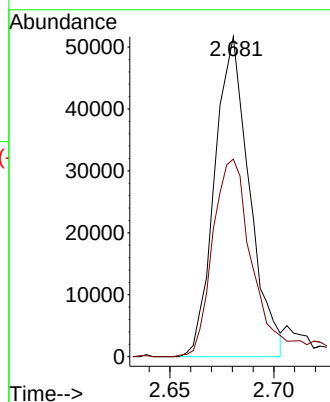
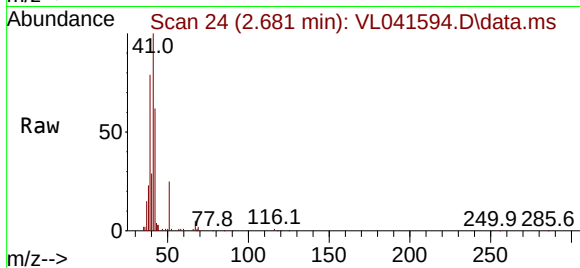
ClientSampleId :

Tgt Ion: 41 Resp: 60205

Ion Ratio Lower Upper

41 100

42 74.0 55.2 82.8



#10

Heptane

Concen: 0.944 ppbv

RT: 7.565 min Scan# 1543

Delta R.T. 0.010 min

Lab File: VL041594.D

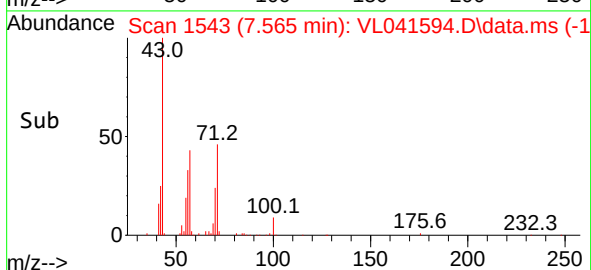
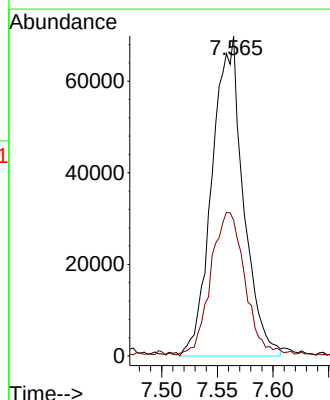
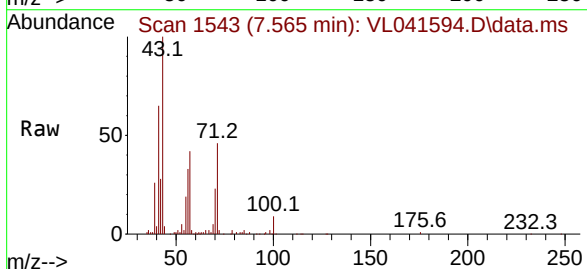
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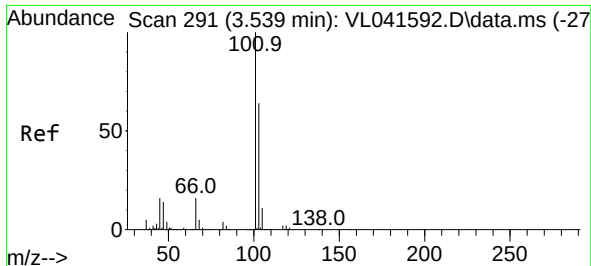
Tgt Ion: 43 Resp: 136494

Ion Ratio Lower Upper

43 100

57 50.8 39.8 59.8

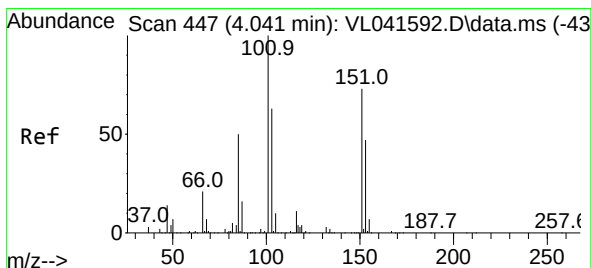
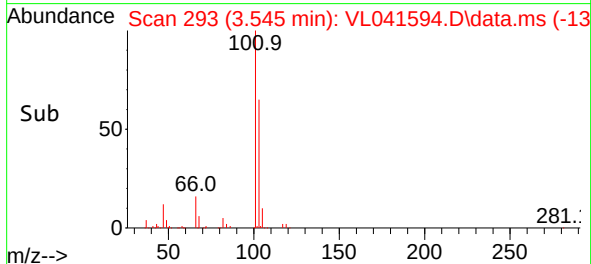
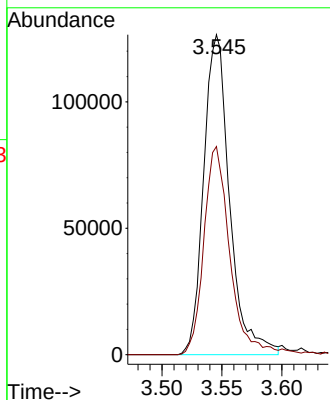
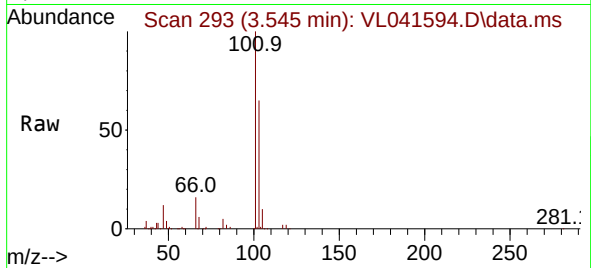




#11
 Trichlorofluoromethane
 Concen: 1.064 ppbv
 RT: 3.545 min Scan# 291
 Delta R.T. 0.006 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

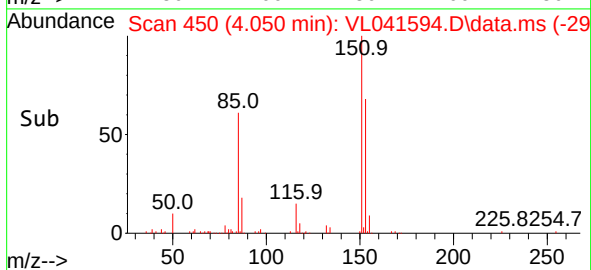
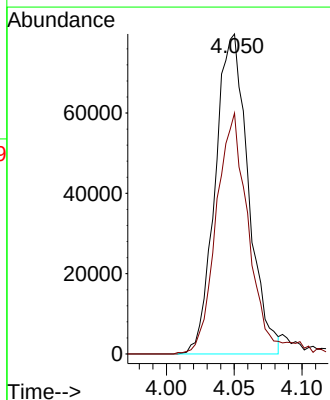
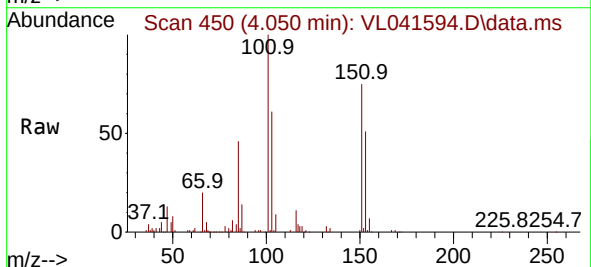
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 MSVOA_L
 ClientSampleId :

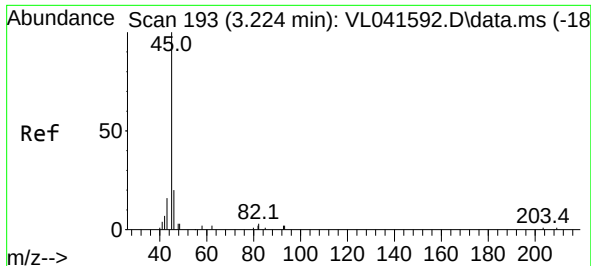
Tgt Ion:101 Resp: 190406
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.048 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.010 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion:101 Resp: 135246
 Ion Ratio Lower Upper
 101 100
 151 75.8 59.4 89.2

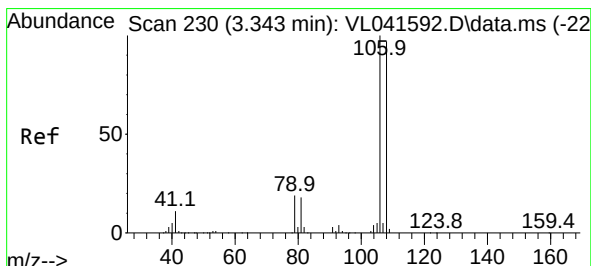
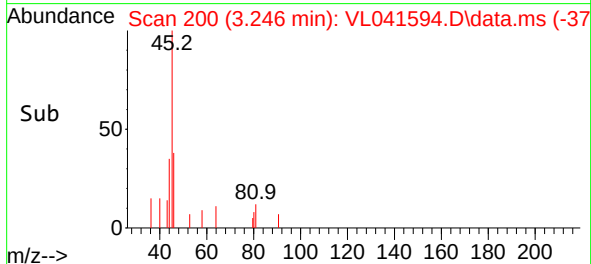
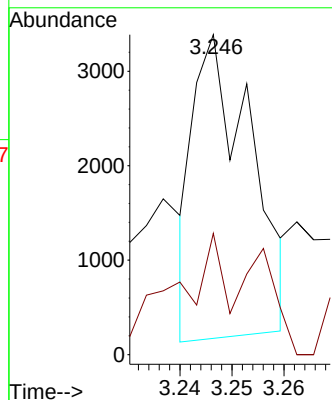
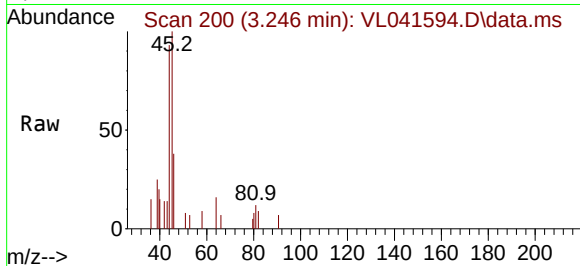




#13
 Ethanol
 Concen: 0.460 ppbv
 RT: 3.246 min Scan# 20
 Delta R.T. 0.023 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

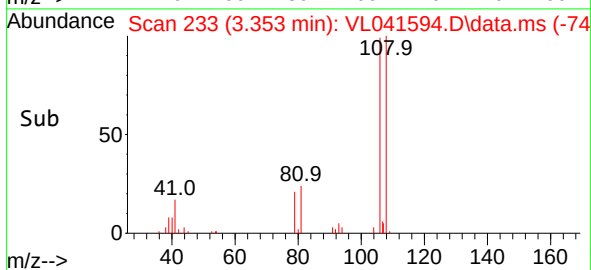
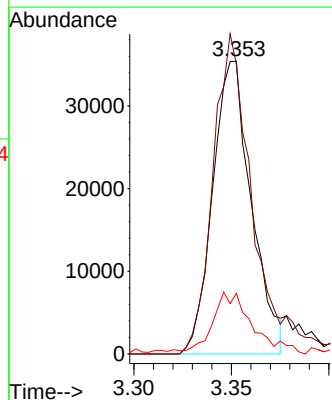
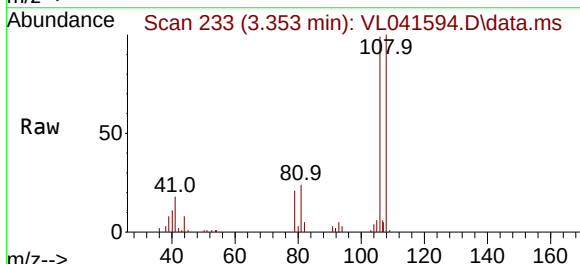
Instrument :
 MSVOA_L
 ClientSampleId :

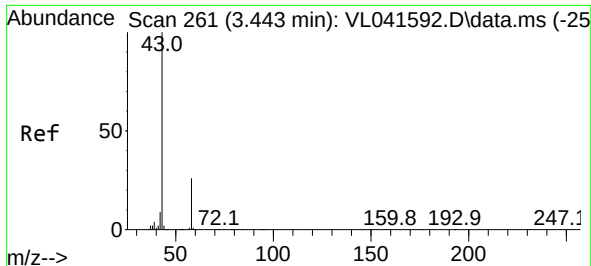
Tgt Ion: 45 Resp: 2469
 Ion Ratio Lower Upper
 45 100
 46 60.5 15.2 60.8



#14
 Bromoethene
 Concen: 0.976 ppbv
 RT: 3.353 min Scan# 233
 Delta R.T. 0.010 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 108 Resp: 48959
 Ion Ratio Lower Upper
 108 100
 106 116.3 86.5 129.7
 79 25.3 16.2 24.4#

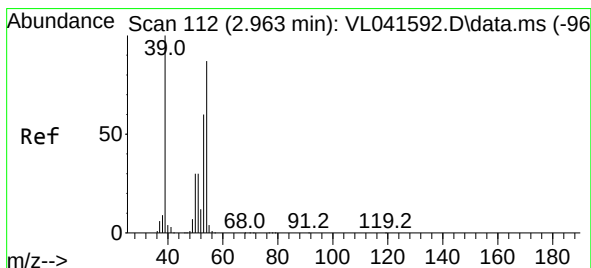
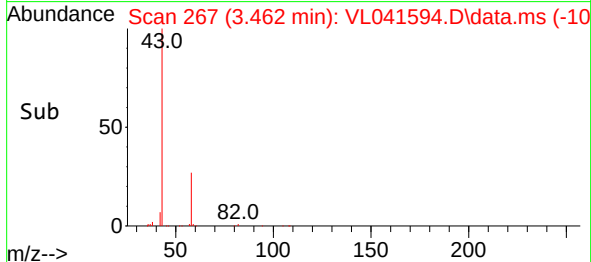
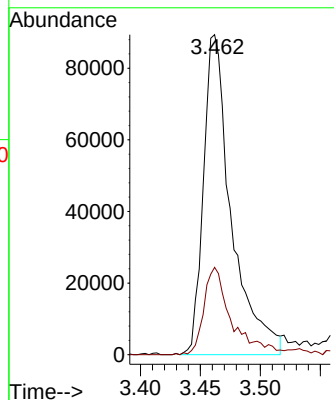
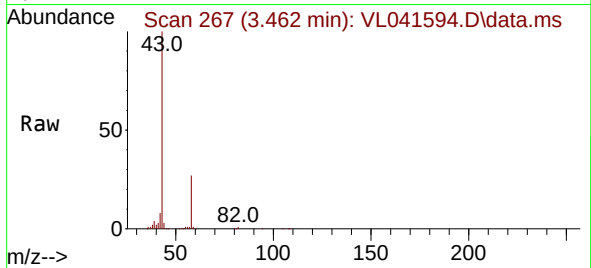




#15
Acetone
Concen: 1.089 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

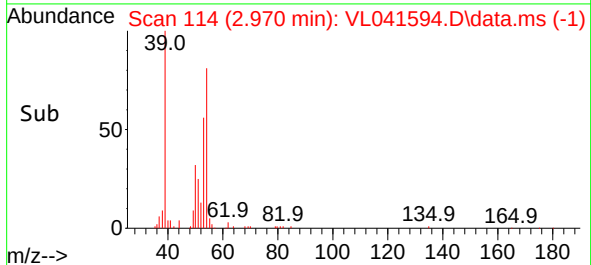
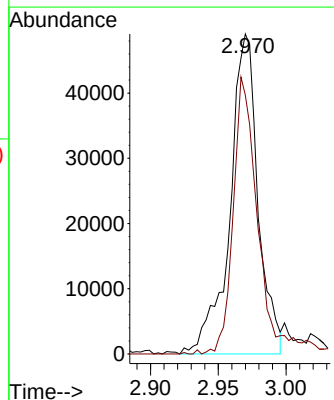
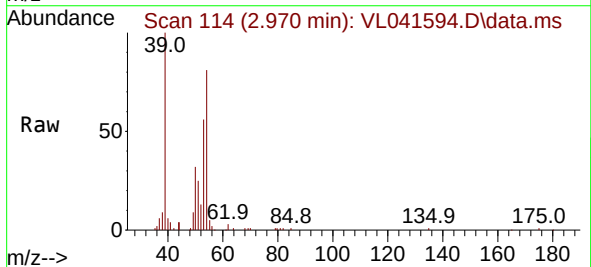
Instrument :
MSVOA_L
ClientSampleId :

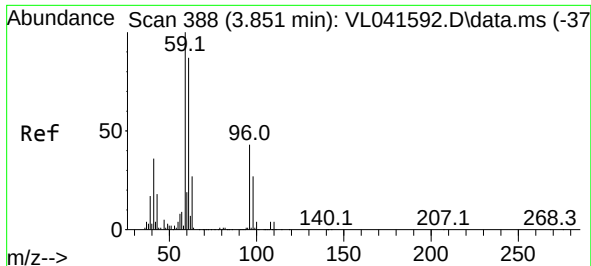
Tgt Ion: 43 Resp: 144857
Ion Ratio Lower Upper
43 100
58 28.4 21.5 32.3



#16
1,3-Butadiene
Concen: 1.000 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 39 Resp: 71179
Ion Ratio Lower Upper
39 100
54 78.2 62.9 94.3





#17

tert-Butyl alcohol

Concen: 1.090 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.016 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

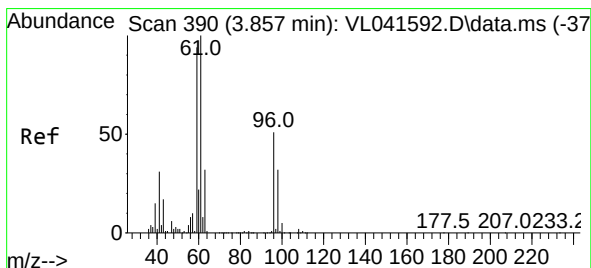
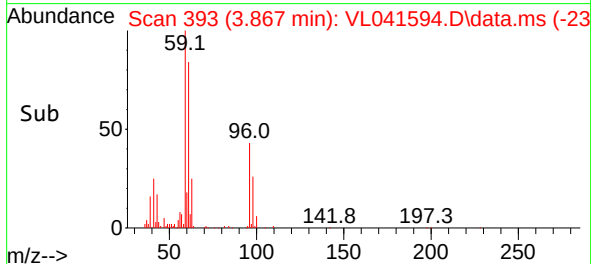
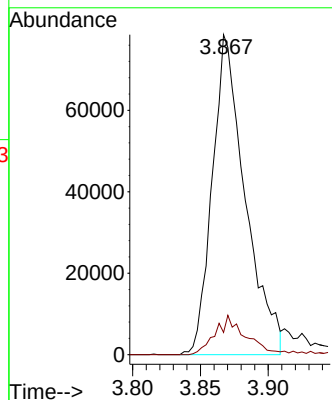
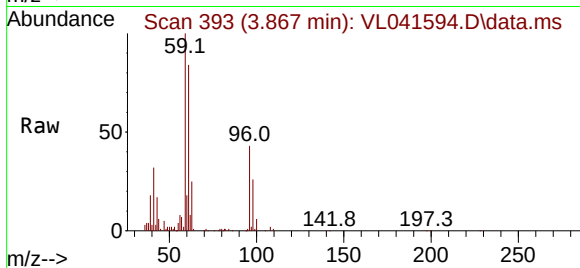
ClientSampleId :

Tgt Ion: 59 Resp: 132423

Ion Ratio Lower Upper

59 100

57 12.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 1.032 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

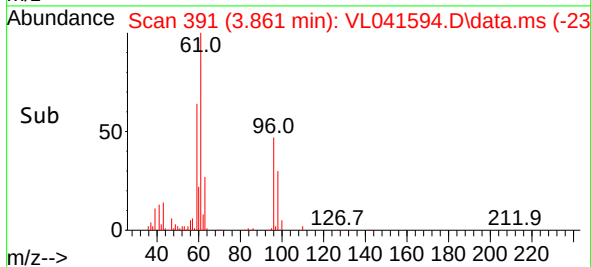
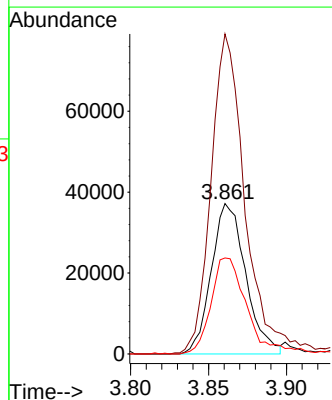
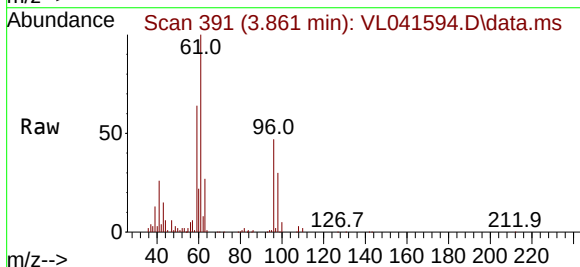
Tgt Ion: 96 Resp: 57053

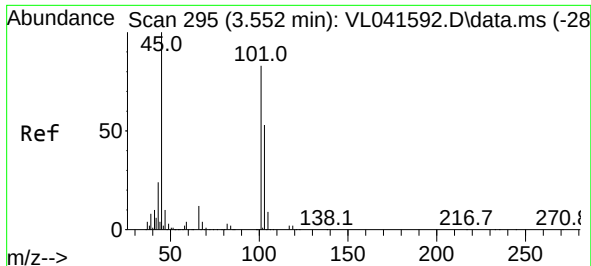
Ion Ratio Lower Upper

96 100

61 212.0 155.6 233.4

98 63.8 50.6 75.8





#19

Isopropyl Alcohol

Concen: 0.998 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.019 min

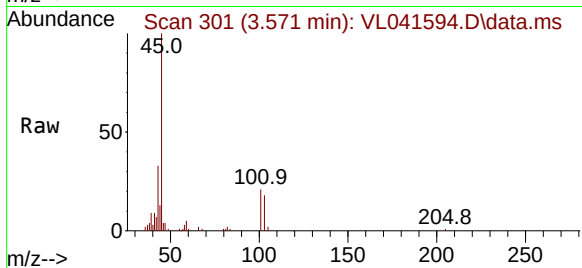
Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

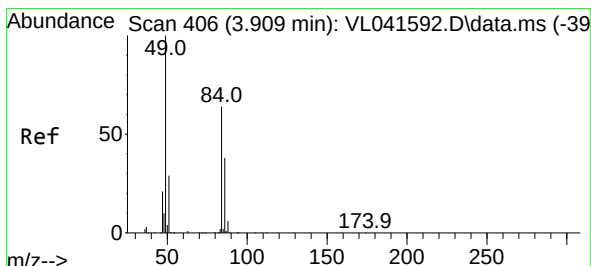
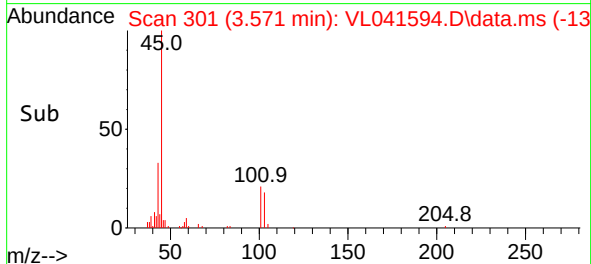
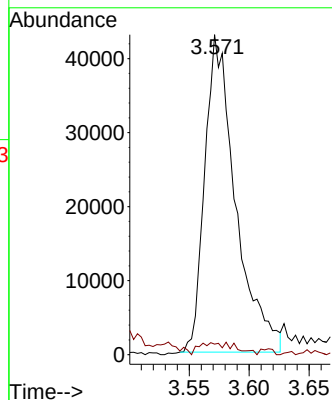
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	45	Resp:	76655
Ion Ratio	Lower	Upper	
45	100		
58	4.5	2.1	3.1#



#20

Methylene Chloride

Concen: 1.119 ppbv

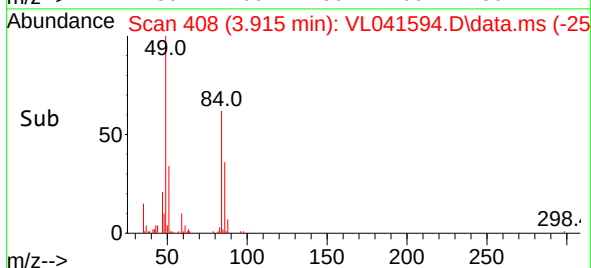
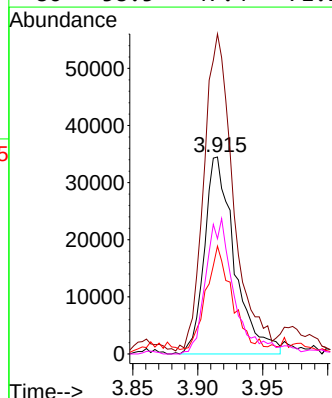
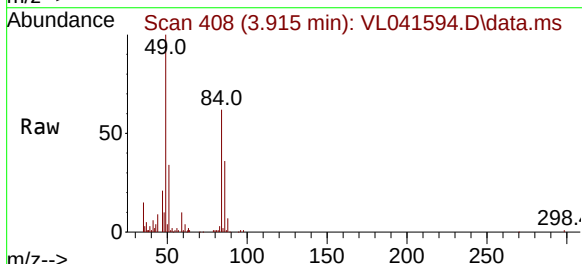
RT: 3.915 min Scan# 408

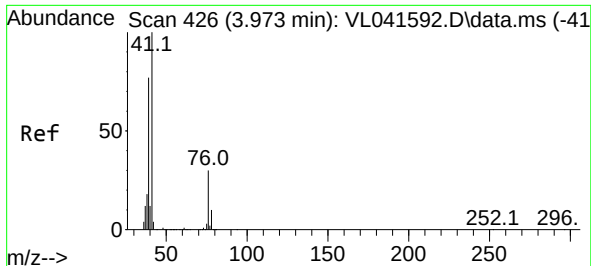
Delta R.T. 0.006 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Tgt Ion:	84	Resp:	55627
Ion Ratio	Lower	Upper	
84	100		
49	158.0	124.3	186.5
51	52.4	36.3	54.5
86	58.5	47.4	71.2





#21

Allyl Chloride

Concen: 0.961 ppbv

RT: 3.976 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

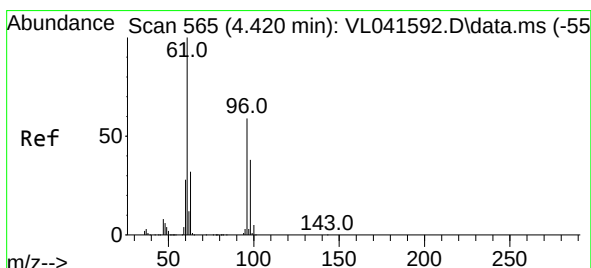
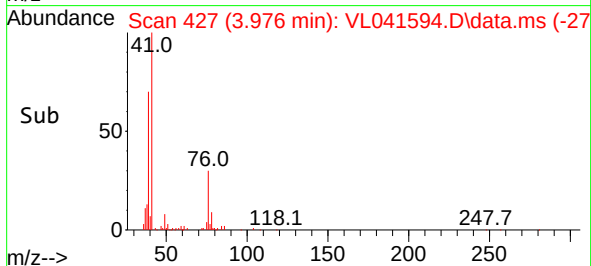
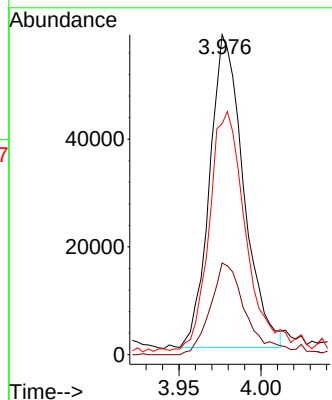
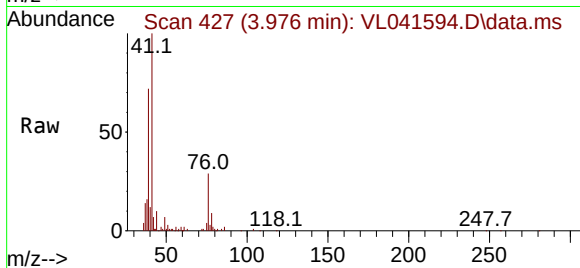
Tgt Ion: 41 Resp: 83509

Ion Ratio Lower Upper

41 100

76 31.9 23.8 35.6

39 92.0 63.9 95.9



#22

trans-1,2-Dichloroethene

Concen: 0.976 ppbv

RT: 4.426 min Scan# 567

Delta R.T. 0.006 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

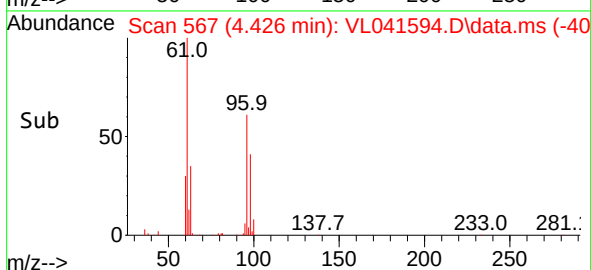
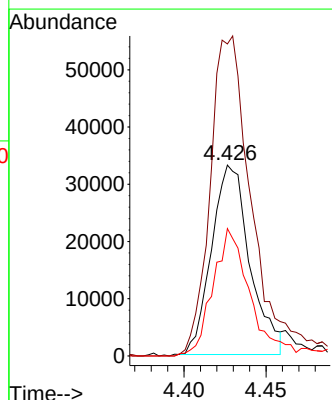
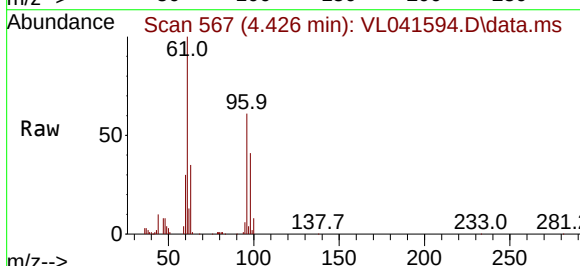
Tgt Ion: 96 Resp: 53748

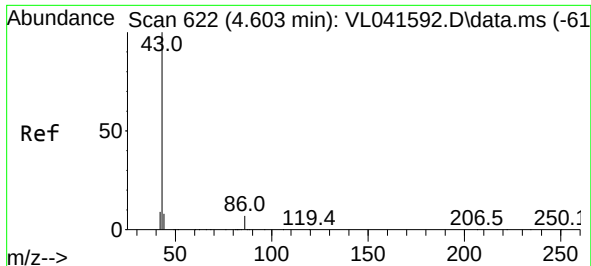
Ion Ratio Lower Upper

96 100

61 163.7 135.7 203.5

98 66.1 50.9 76.3

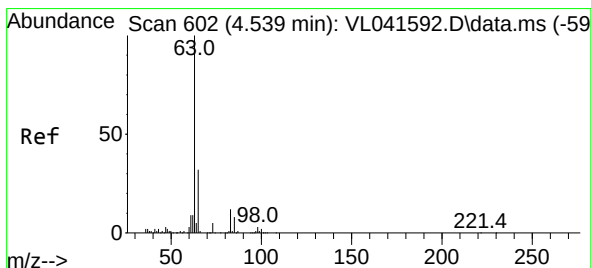
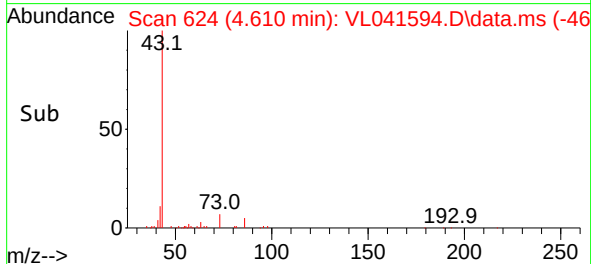
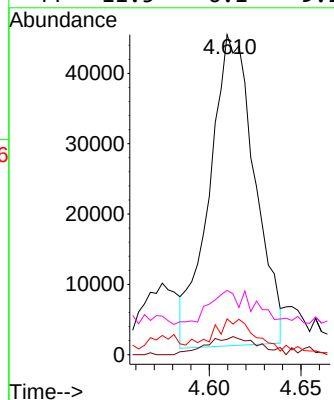
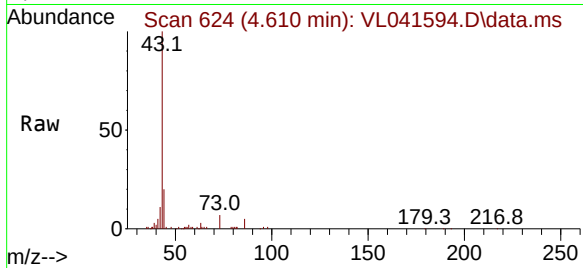




#23
 Vinyl Acetate
 Concen: 0.786 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

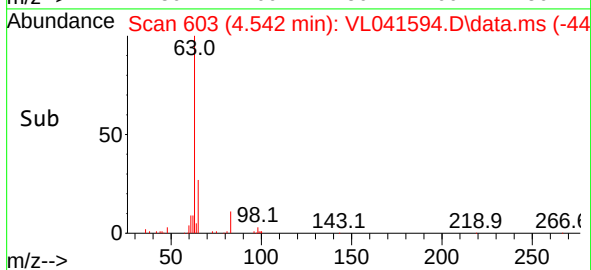
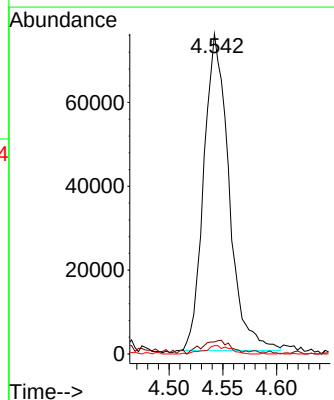
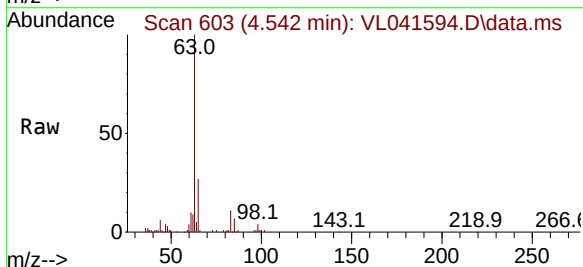
Instrument :
 MSVOA_1
 ClientSampleId :

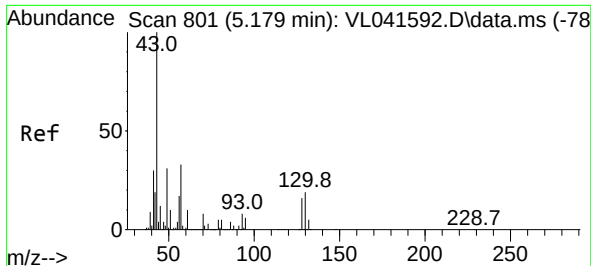
Tgt Ion: 43 Resp: 75873
 Ion Ratio Lower Upper
 43 100
 86 4.6 4.9 7.3#
 42 11.8 8.0 12.0
 44 11.5 6.1 9.1#



#24
 1,1-Dichloroethane
 Concen: 1.024 ppbv
 RT: 4.542 min Scan# 603
 Delta R.T. 0.003 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 63 Resp: 122972
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.7 5.1
 100 2.6 1.1 3.3



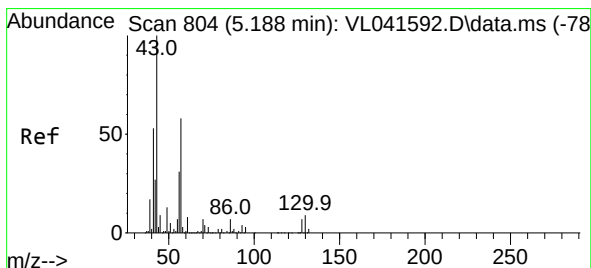
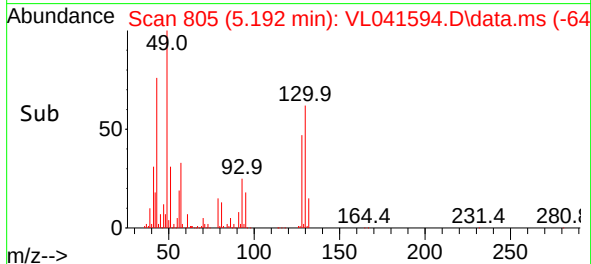
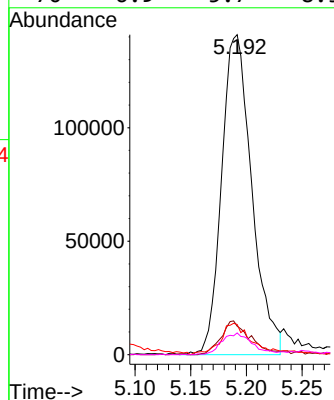
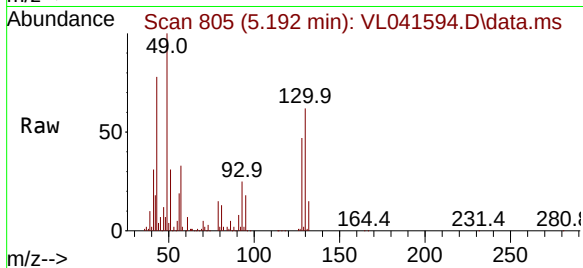


#25
Ethyl Acetate
Concen: 0.998 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.013 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 266035

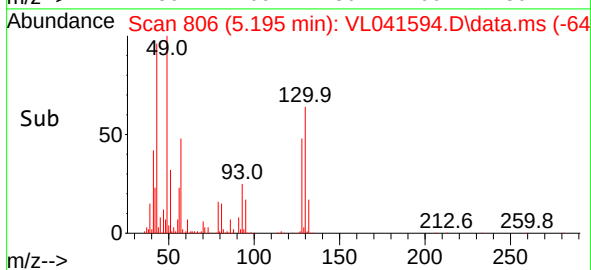
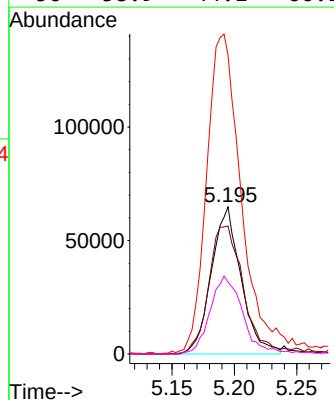
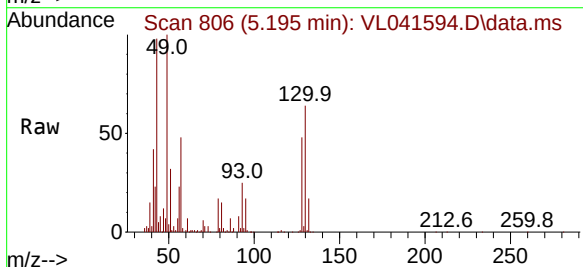
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.2
61	11.2	8.0	12.0
70	6.9	5.7	8.5

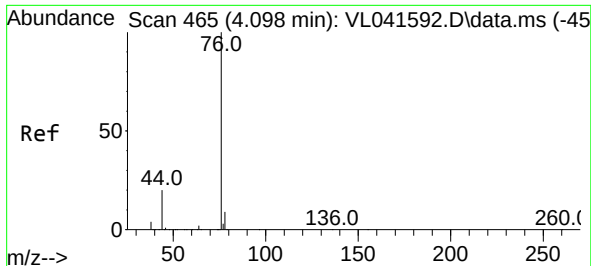


#26
Hexane
Concen: 0.979 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 57 Resp: 107564

Ion	Ratio	Lower	Upper
57	100		
41	105.1	75.7	113.5
43	258.3	198.5	297.7
56	58.9	44.1	66.1

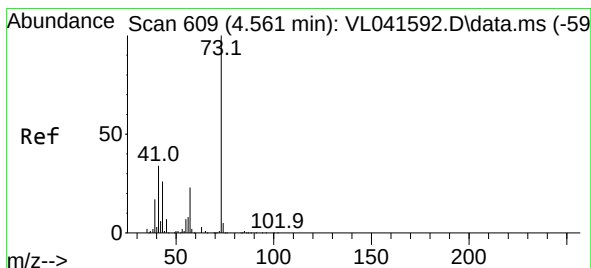
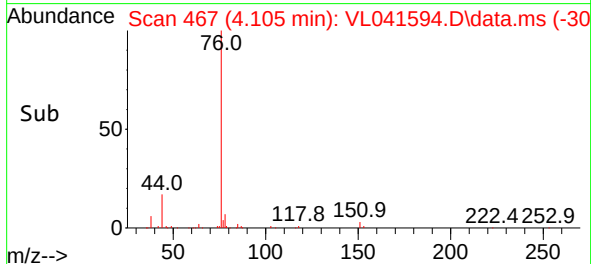
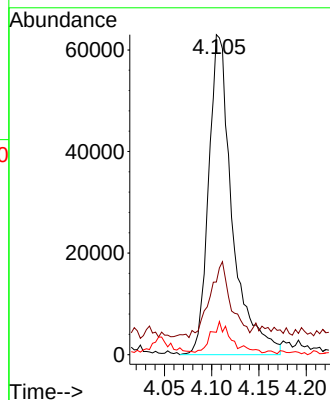
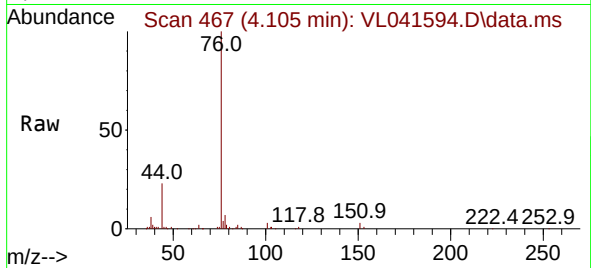




#27
Carbon Disulfide
Concen: 0.860 ppbv
RT: 4.105 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

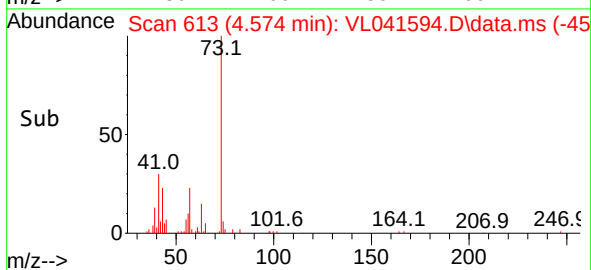
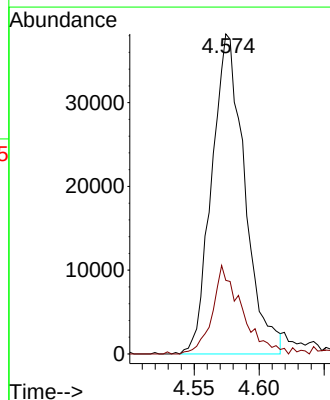
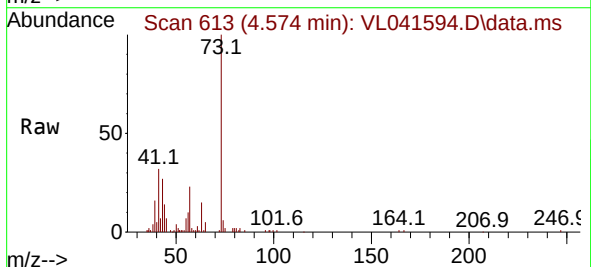
Instrument :
MSVOA_L
ClientSampleId :

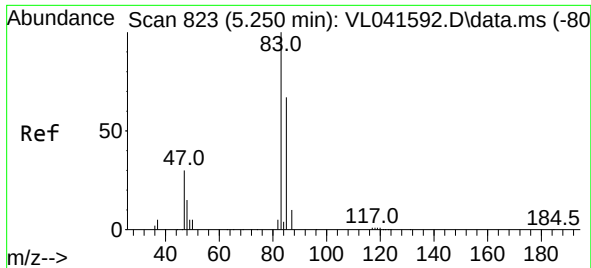
Tgt Ion: 76 Resp: 109406
Ion Ratio Lower Upper
76 100
44 21.1 15.8 23.8
78 10.1 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 0.977 ppbv
RT: 4.574 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 73 Resp: 67246
Ion Ratio Lower Upper
73 100
57 24.7 19.3 28.9





#29

Chloroform

Concen: 1.024 ppbv

RT: 5.253 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

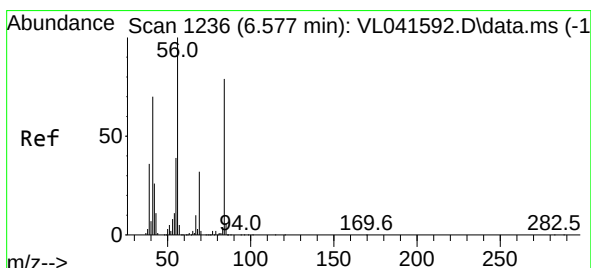
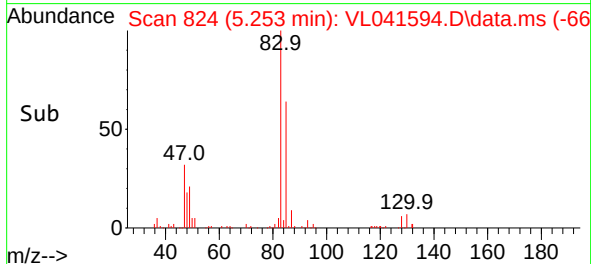
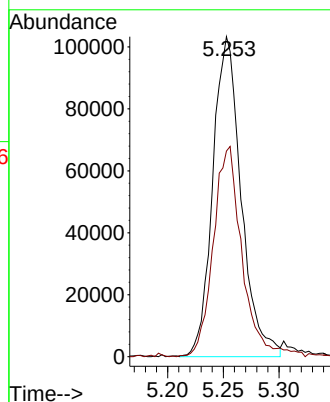
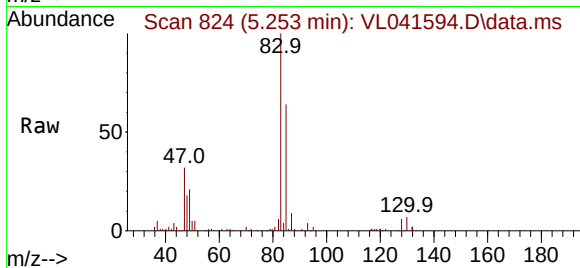
ClientSampleId :

Tgt Ion: 83 Resp: 183121

Ion Ratio Lower Upper

83 100

85 63.9 53.8 80.6



#30

Cyclohexane

Concen: 0.874 ppbv

RT: 6.577 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

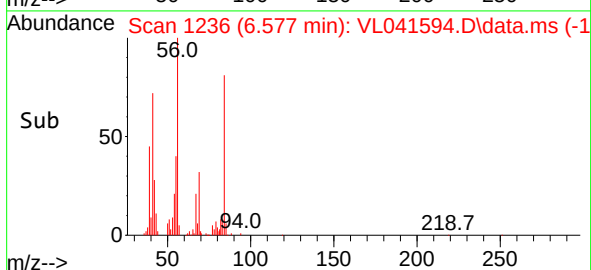
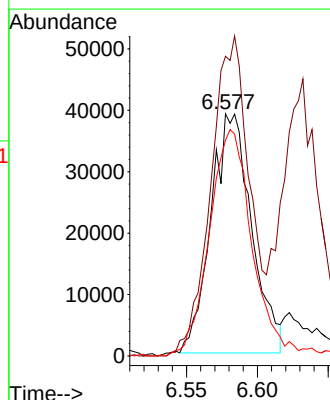
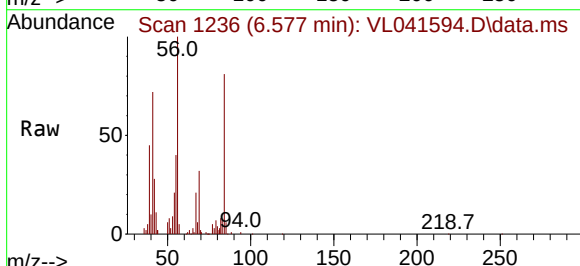
Tgt Ion: 84 Resp: 77992

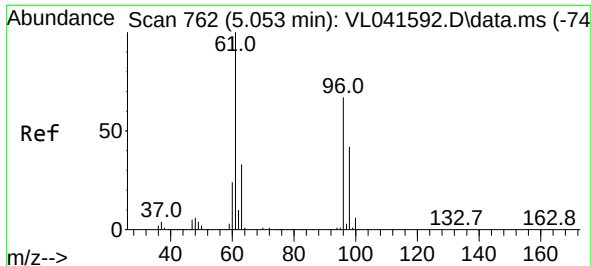
Ion Ratio Lower Upper

84 100

56 124.4 111.5 167.3

41 100.6 70.9 106.3

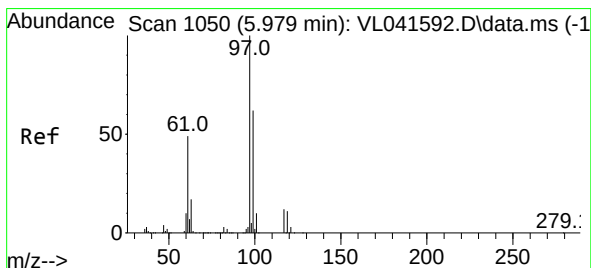
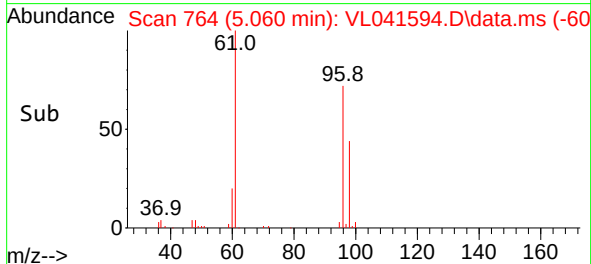
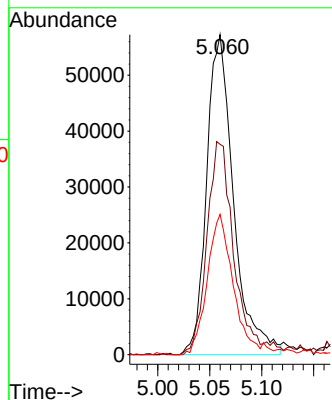
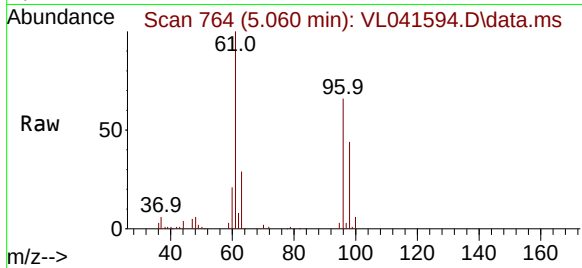




#31
 cis-1,2-Dichloroethene
 Concen: 0.955 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. 0.006 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

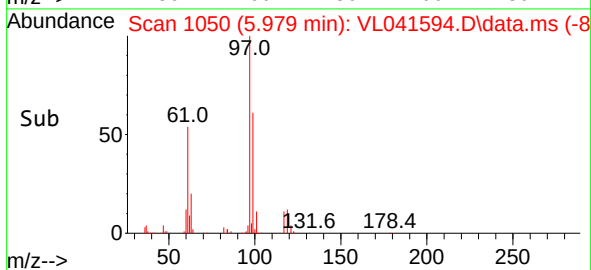
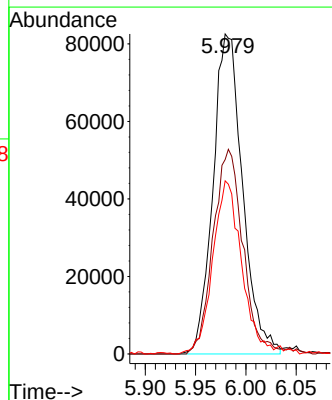
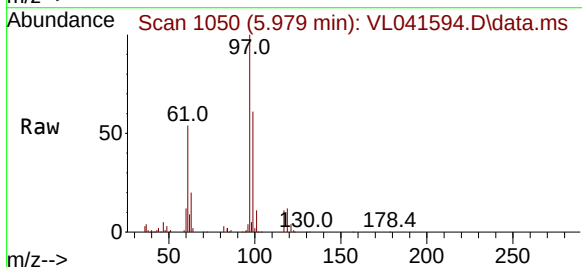
Instrument :
 MSVOA_L
 ClientSampleId :

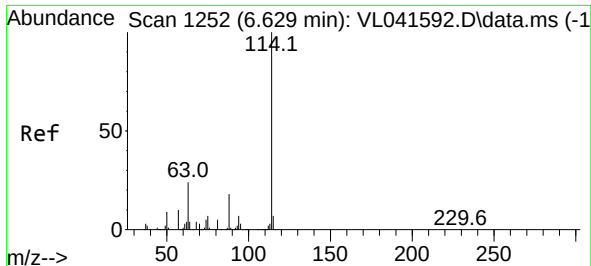
Tgt Ion: 61 Resp: 103032
 Ion Ratio Lower Upper
 61 100
 96 65.8 53.5 80.3
 98 43.8 33.7 50.5



#32
 1,1,1-Trichloroethane
 Concen: 0.973 ppbv
 RT: 5.979 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 97 Resp: 168967
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.0 76.4
 61 53.7 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

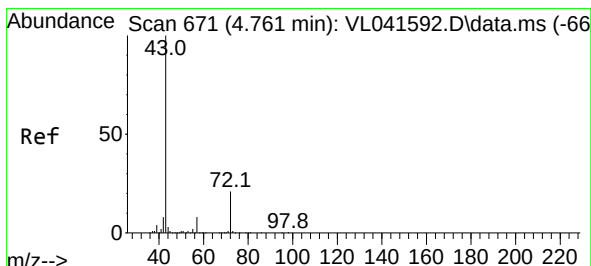
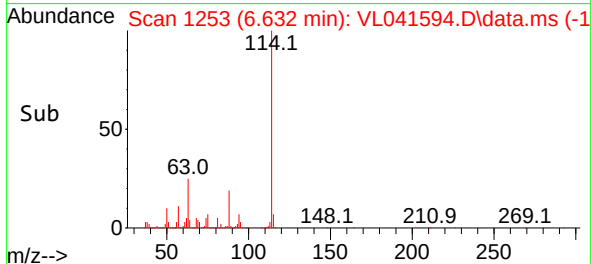
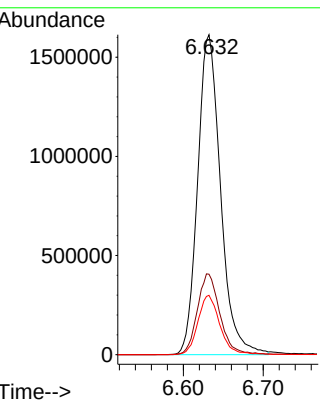
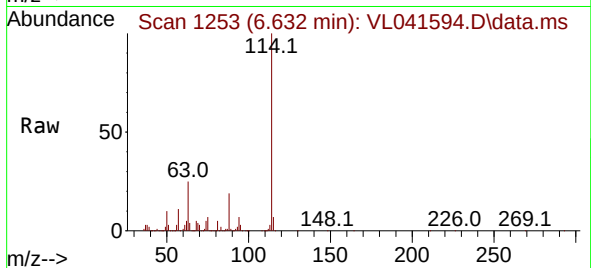
Tgt Ion:114 Resp: 3218358

Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.2

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 0.903 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.013 min

Lab File: VL041594.D

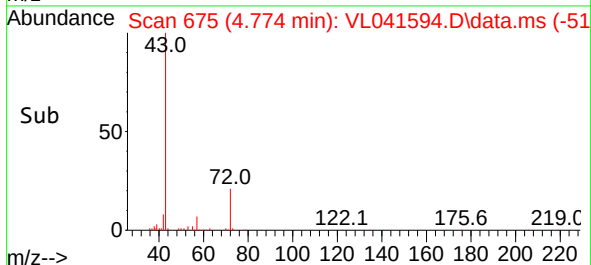
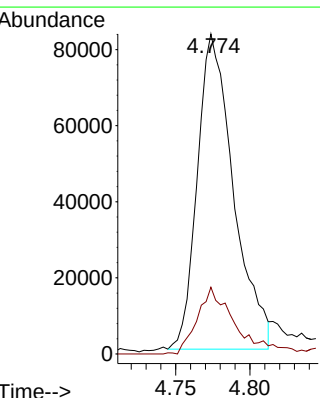
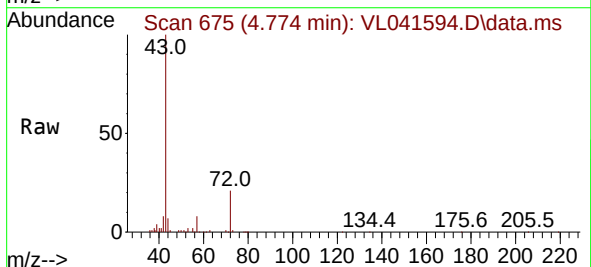
Acq: 16 Sep 2024 14:36

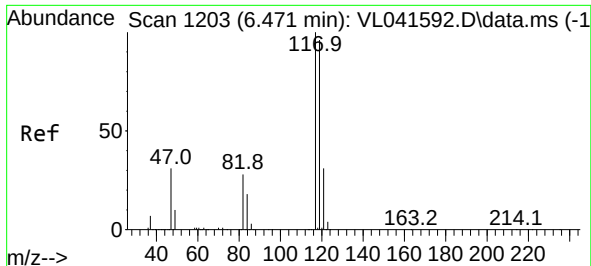
Tgt Ion: 43 Resp: 140700

Ion Ratio Lower Upper

43 100

72 23.6 16.8 25.2

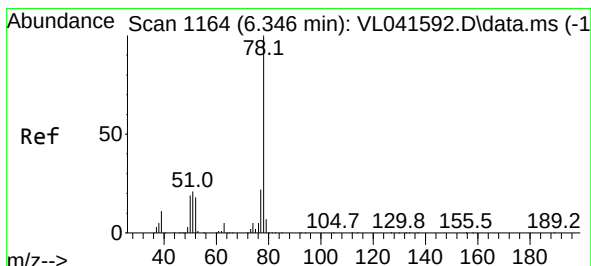
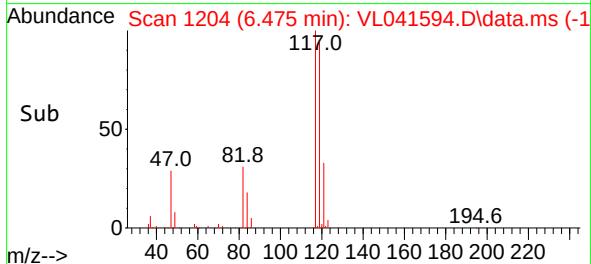
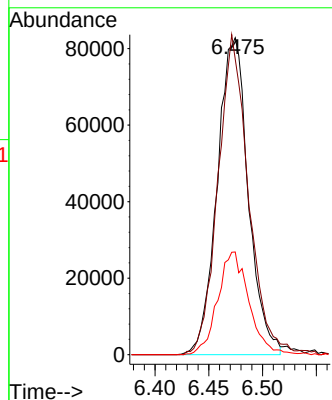
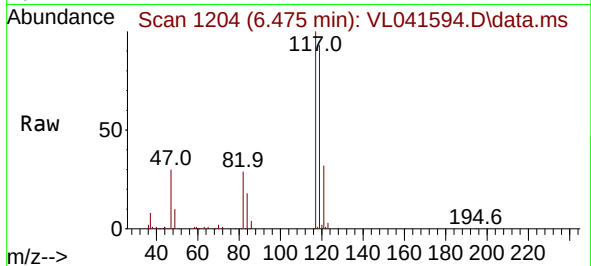




#35
Carbon Tetrachloride
Concen: 0.940 ppbv
RT: 6.475 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

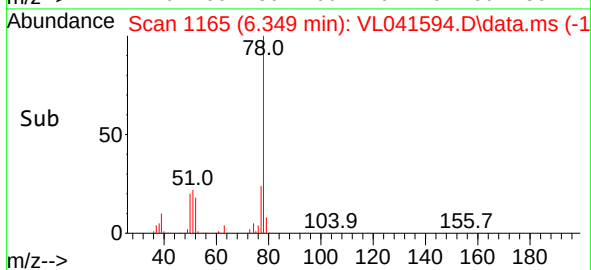
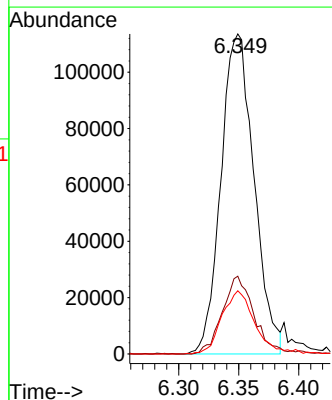
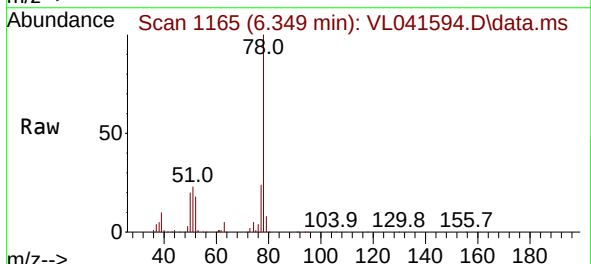
Instrument :
MSVOA_L
ClientSampleId :

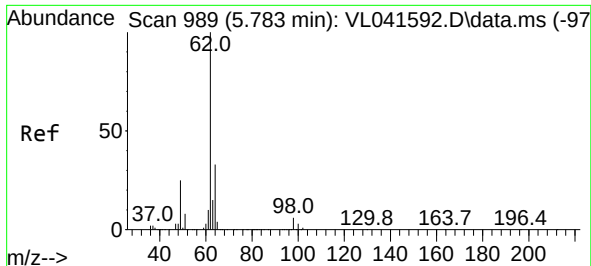
Tgt Ion:117 Resp: 166616
Ion Ratio Lower Upper
117 100
119 93.1 76.8 115.2
121 32.4 25.0 37.6



#36
Benzene
Concen: 0.924 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 78 Resp: 217922
Ion Ratio Lower Upper
78 100
77 24.3 17.8 26.6
50 19.8 15.4 23.0





#37

1,2-Dichloroethane

Concen: 0.989 ppbv

RT: 5.787 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

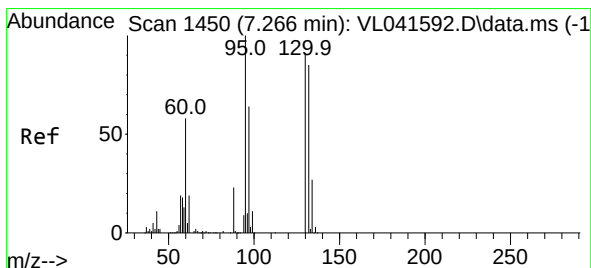
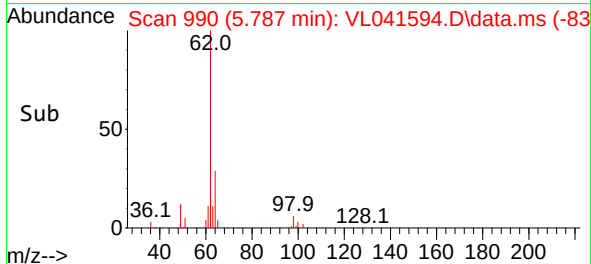
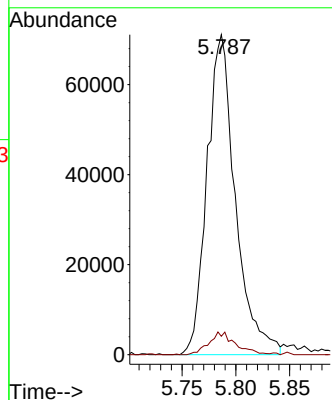
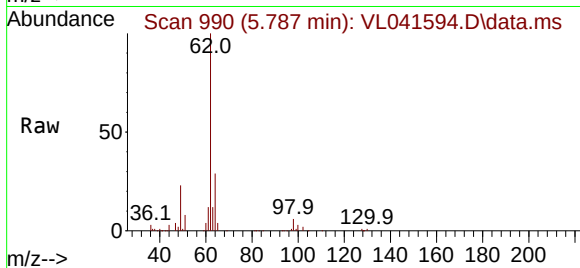
ClientSampleId :

Tgt Ion: 62 Resp: 130607

Ion Ratio Lower Upper

62 100

98 6.9 4.8 7.2



#38

Trichloroethene

Concen: 1.039 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Tgt Ion:130 Resp: 114753

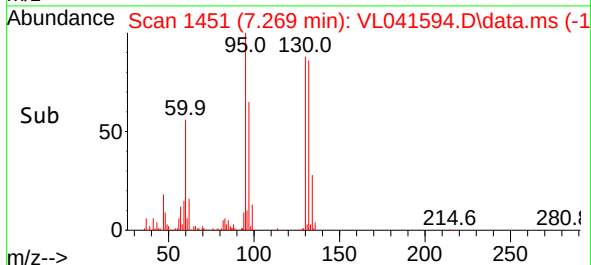
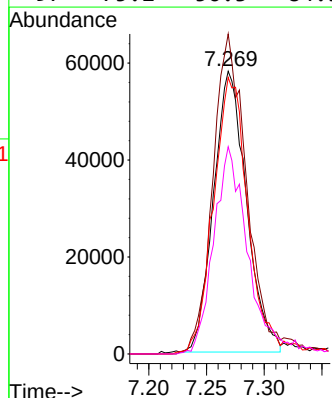
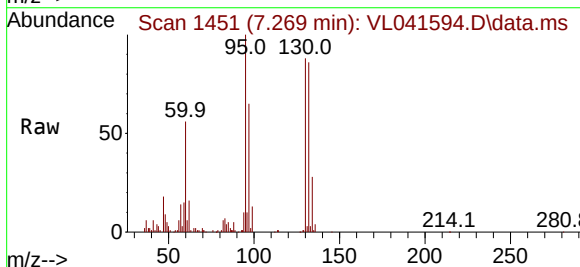
Ion Ratio Lower Upper

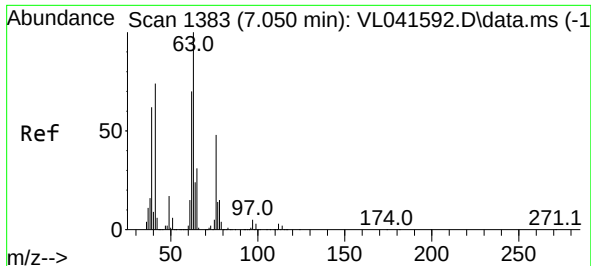
130 100

95 116.0 87.7 131.5

132 99.9 74.5 111.7

97 75.2 56.3 84.5





#39

1,2-Dichloropropane

Concen: 0.987 ppbv

RT: 7.050 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

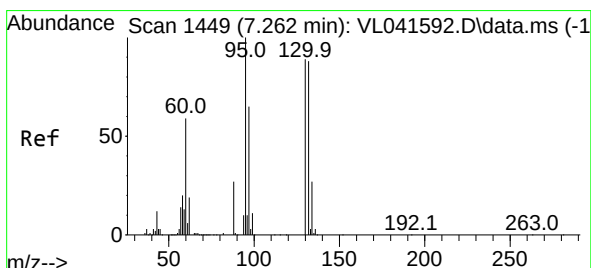
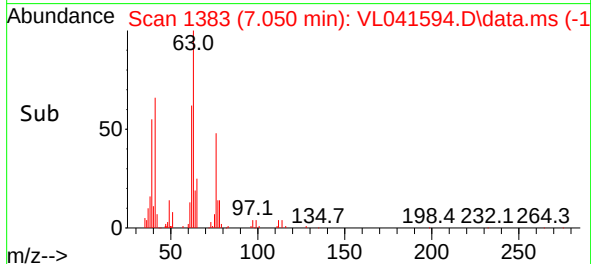
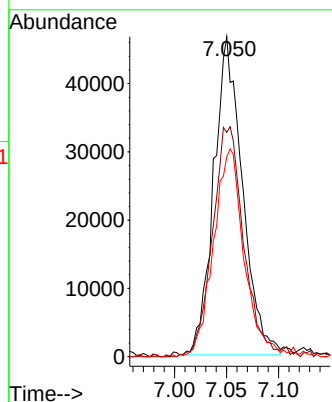
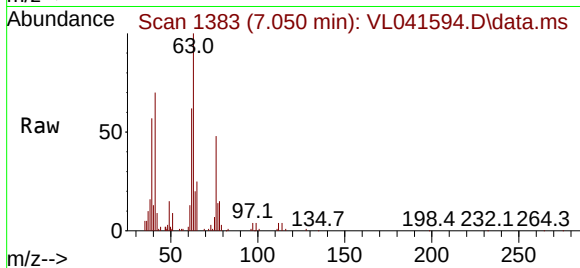
Tgt Ion: 63 Resp: 89452

Ion Ratio Lower Upper

63 100

41 69.8 59.5 89.3

62 62.0 56.2 84.2



#40

1,4-Dioxane

Concen: 0.893 ppbv

RT: 7.294 min Scan# 1459

Delta R.T. 0.032 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Tgt Ion: 88 Resp: 32240

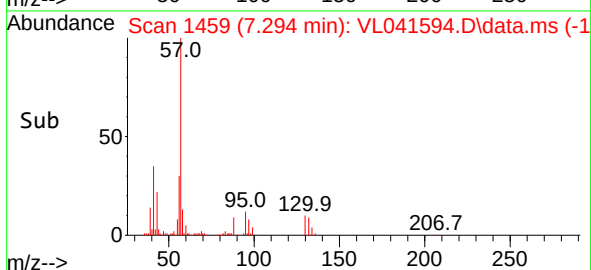
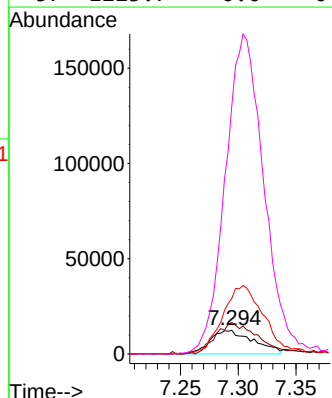
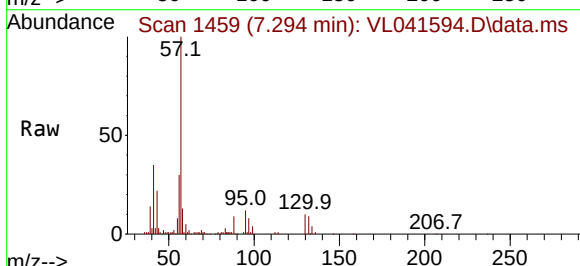
Ion Ratio Lower Upper

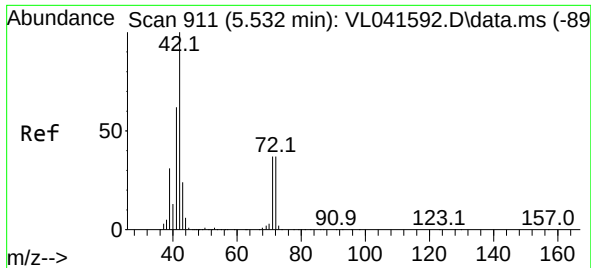
88 100

58 140.2 100.2 150.4

43 284.1 0.0 0.0#

57 1223.7 0.0 0.0#

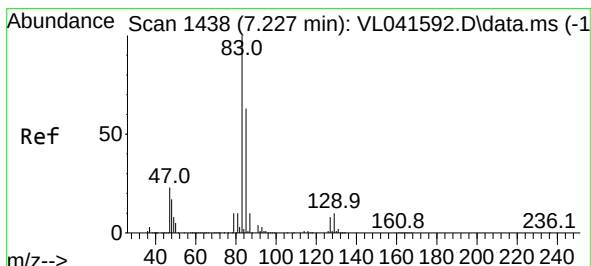
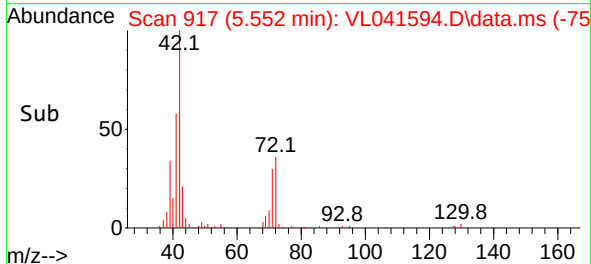
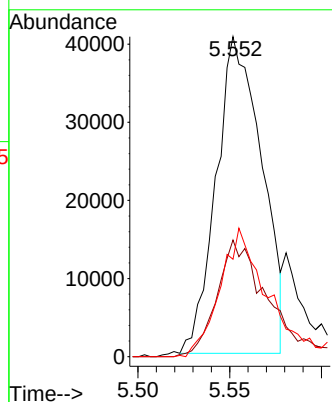
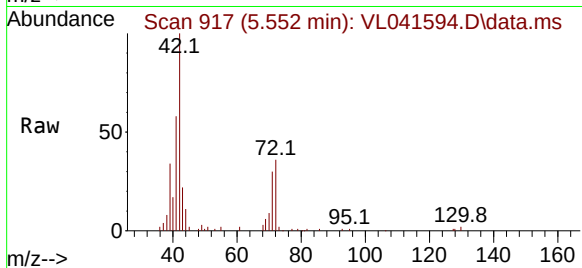




#41
Tetrahydrofuran
Concen: 0.781 ppbv
RT: 5.552 min Scan# 911
Delta R.T. 0.019 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

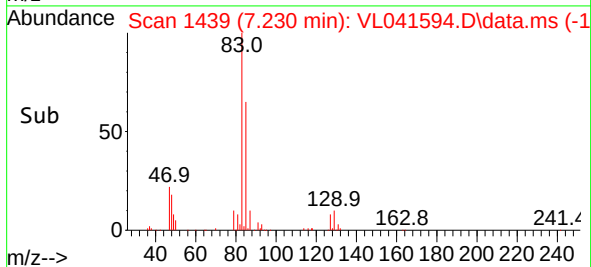
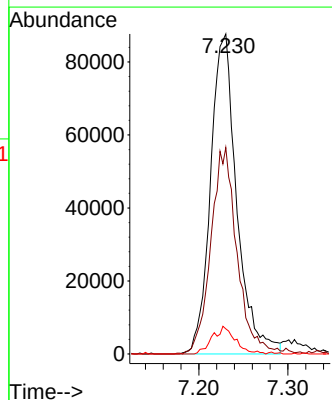
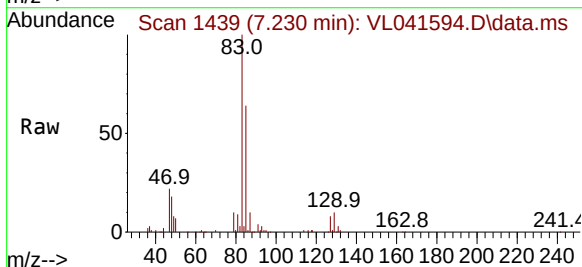
Instrument :
MSVOA_L
ClientSampleId :

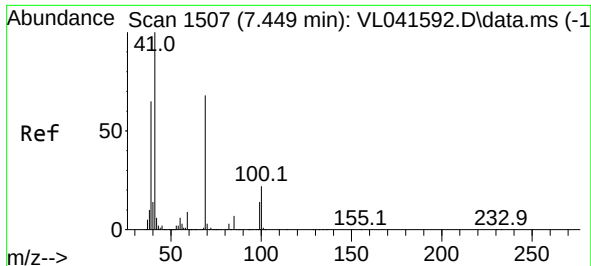
Tgt Ion: 42 Resp: 70115
Ion Ratio Lower Upper
42 100
72 42.8 30.2 45.2
71 44.2 29.6 44.4



#42
Bromodichloromethane
Concen: 0.945 ppbv
RT: 7.230 min Scan# 1439
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 83 Resp: 179366
Ion Ratio Lower Upper
83 100
85 64.3 50.5 75.7
127 7.8 6.5 9.7





#43

Methyl Methacrylate

Concen: 0.861 ppbv

RT: 7.462 min Scan# 1511

Delta R.T. 0.013 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

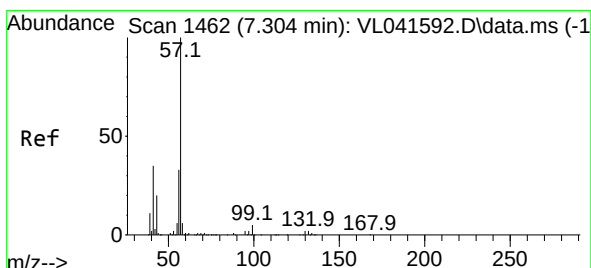
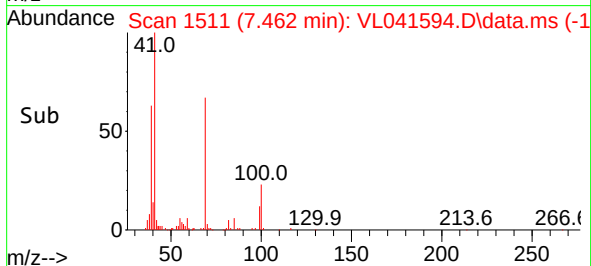
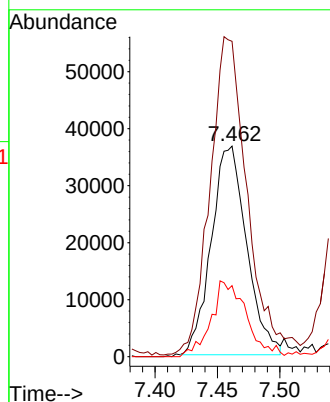
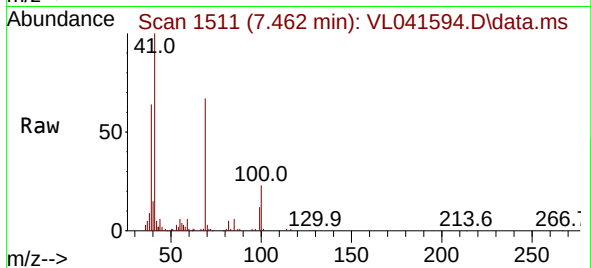
Tgt Ion: 69 Resp: 72483

Ion Ratio Lower Upper

69 100

41 162.1 121.8 182.6

100 36.0 26.5 39.7



#44

2,2,4-Trimethylpentane

Concen: 0.985 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

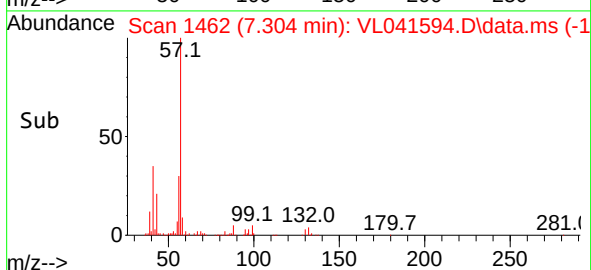
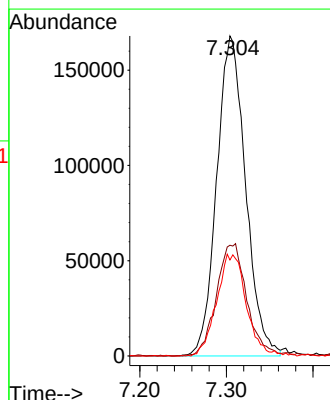
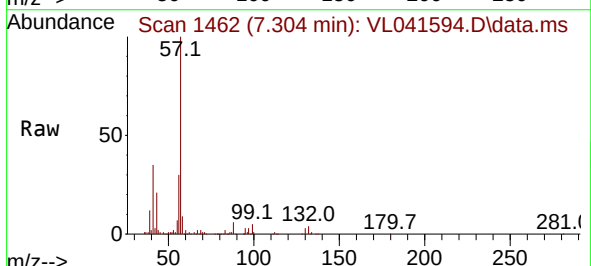
Tgt Ion: 57 Resp: 389526

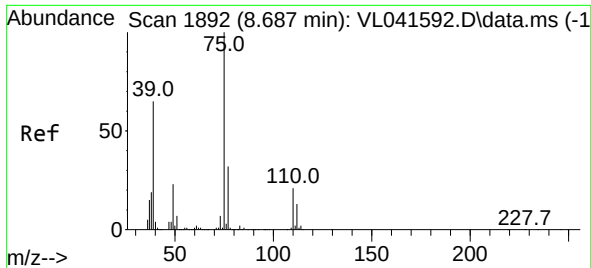
Ion Ratio Lower Upper

57 100

41 37.2 27.0 40.6

56 32.9 25.5 38.3

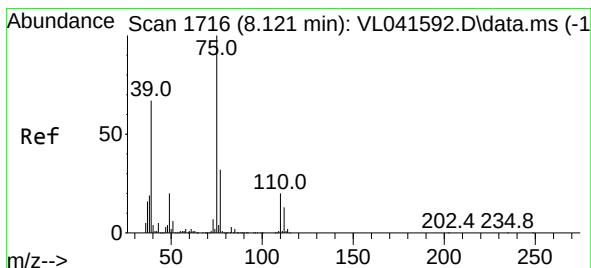
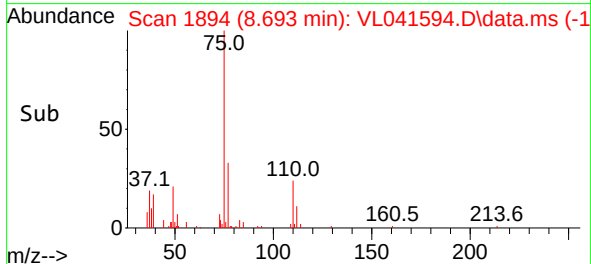
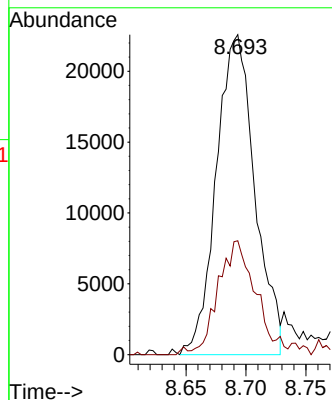
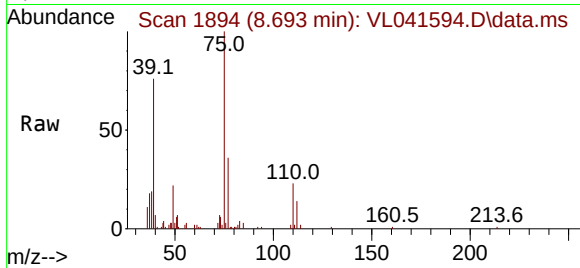




#45
 t-1,3-Dichloropropene
 Concen: 0.674 ppbv
 RT: 8.693 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

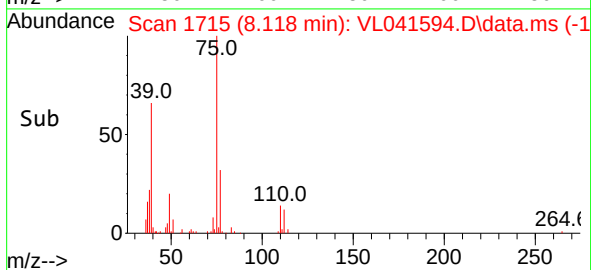
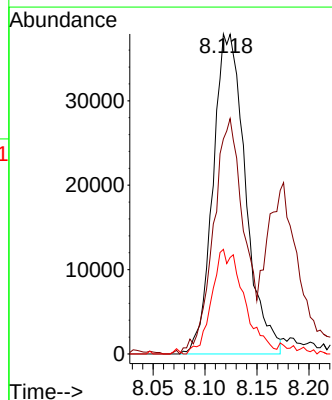
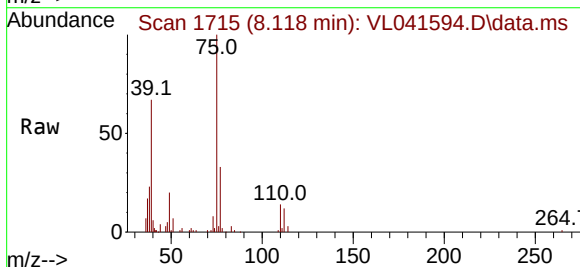
Instrument :
 MSVOA_L
 ClientSampleId :

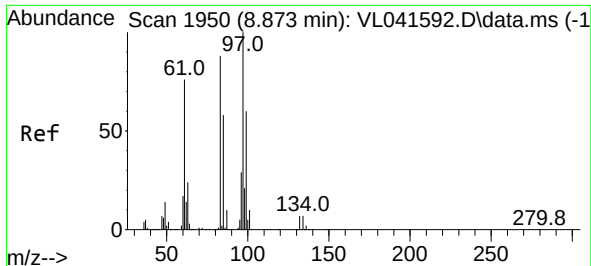
Tgt Ion: 75 Resp: 50543
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.4 38.0



#46
 cis-1,3-Dichloropropene
 Concen: 0.748 ppbv
 RT: 8.118 min Scan# 1715
 Delta R.T. -0.003 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 75 Resp: 82468
 Ion Ratio Lower Upper
 75 100
 39 67.2 54.0 81.0
 77 32.0 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.979 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 97460

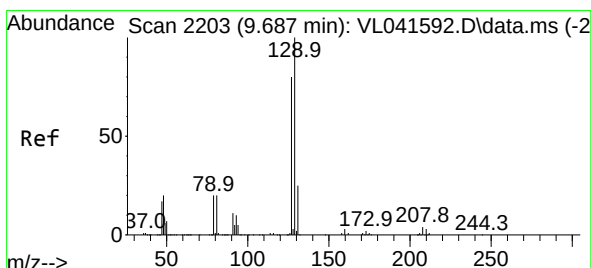
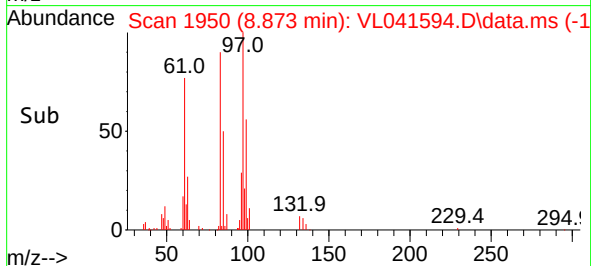
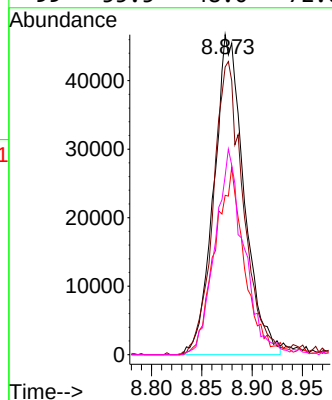
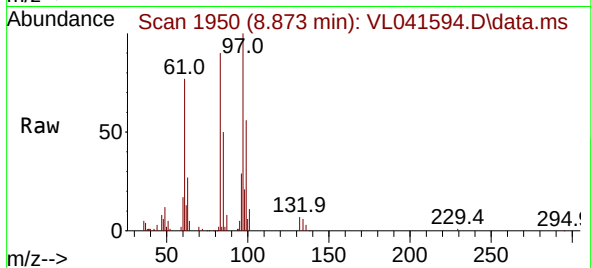
Ion Ratio Lower Upper

97 100

83 89.9 70.2 105.4

85 49.8 46.3 69.5

99 55.5 48.0 72.0



#48

Dibromochloromethane

Concen: 0.866 ppbv

RT: 9.687 min Scan# 2203

Delta R.T. 0.000 min

Lab File: VL041594.D

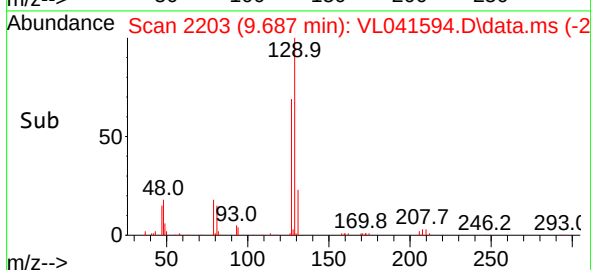
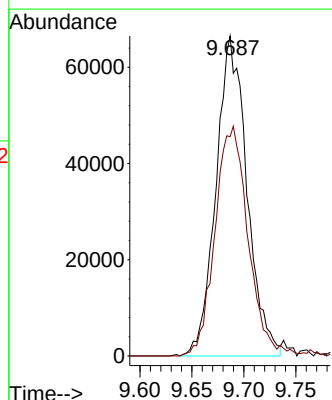
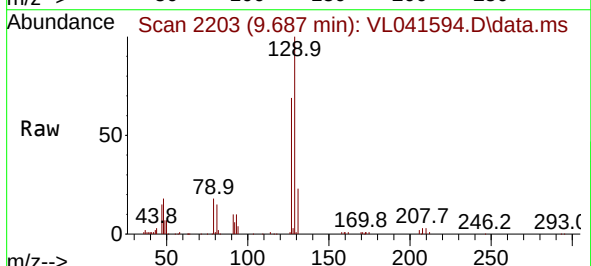
Acq: 16 Sep 2024 14:36

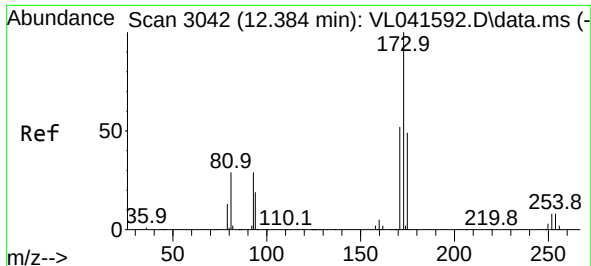
Tgt Ion: 129 Resp: 137881

Ion Ratio Lower Upper

129 100

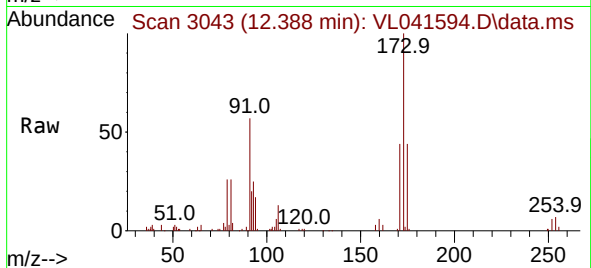
127 77.5 39.3 117.9



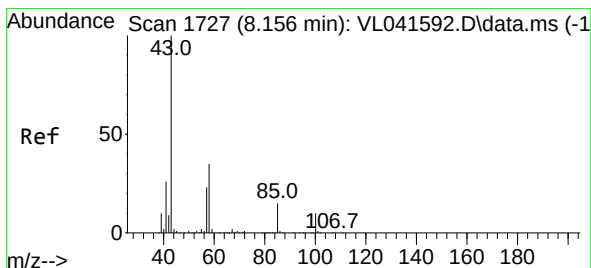
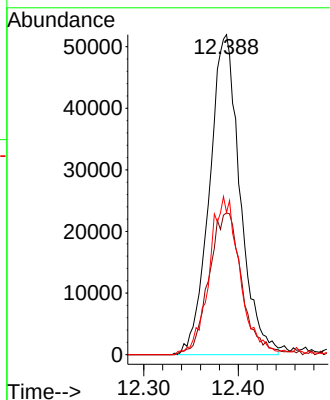
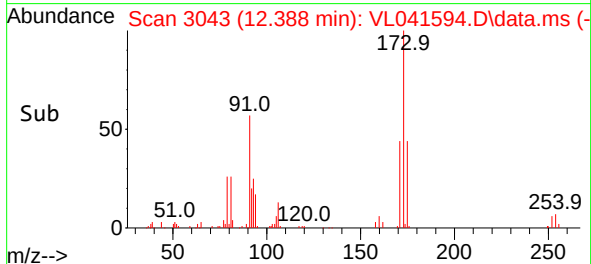


#49
Bromoform
Concen: 0.870 ppbv
RT: 12.388 min Scan# 3043
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Instrument :
MSVOA_L
ClientSampleId :

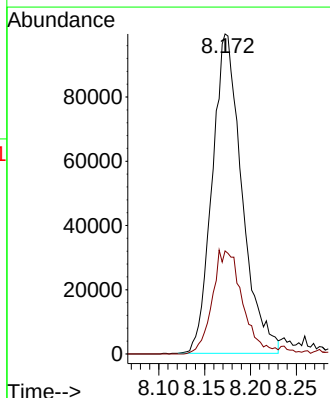
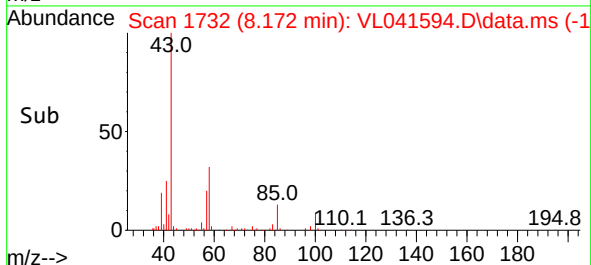
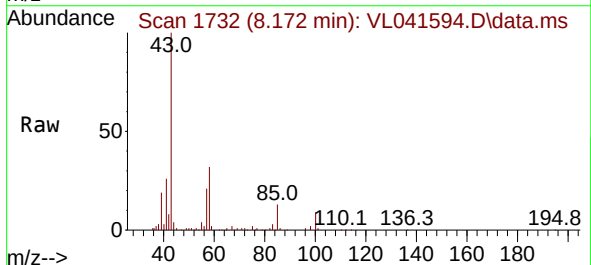


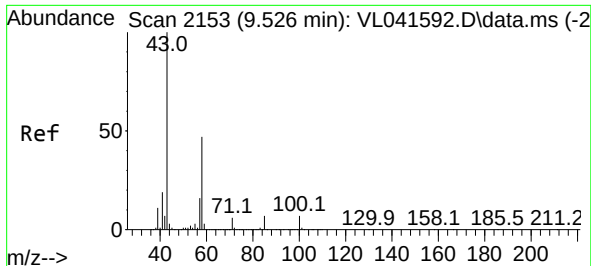
Tgt Ion:173 Resp: 116706
Ion Ratio Lower Upper
173 100
175 48.0 40.1 60.1
171 50.6 42.2 63.4



#50
4-Methyl-2-Pentanone
Concen: 0.910 ppbv
RT: 8.172 min Scan# 1732
Delta R.T. 0.016 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 43 Resp: 224369
Ion Ratio Lower Upper
43 100
58 34.4 27.8 41.8

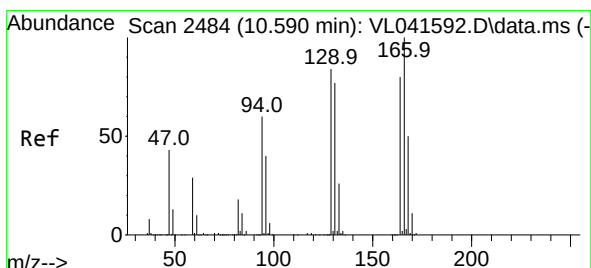
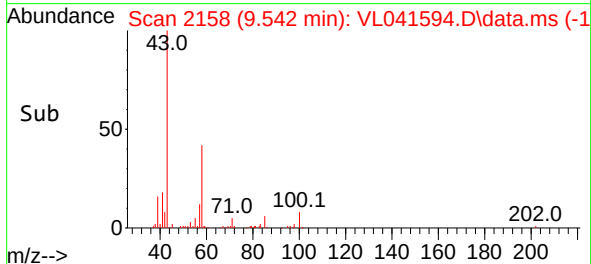
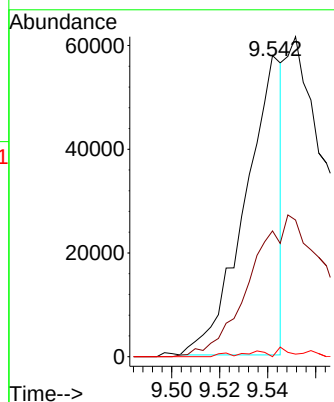
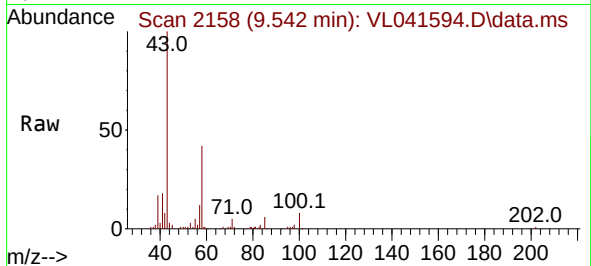




#51
2-Hexanone
Concen: 0.333 ppbv
RT: 9.542 min Scan# 2153
Delta R.T. 0.016 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

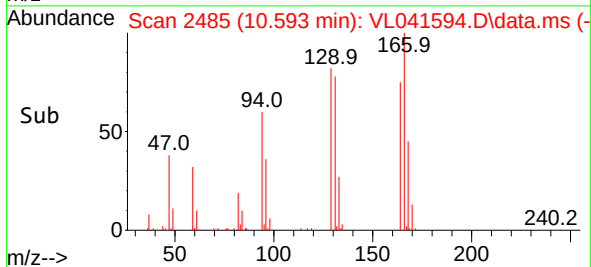
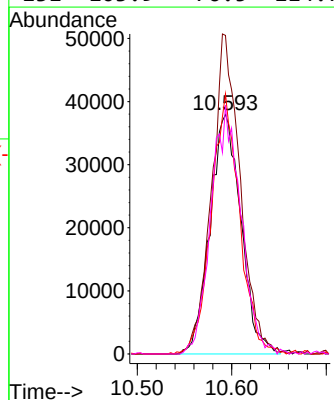
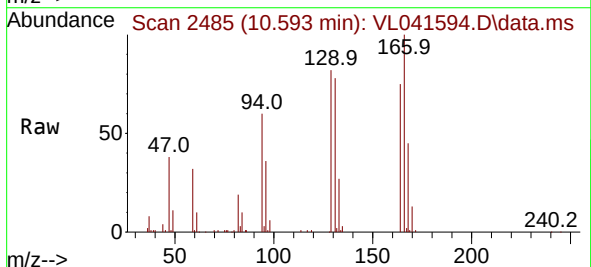
Instrument :
MSVOA_L
ClientSampleId :

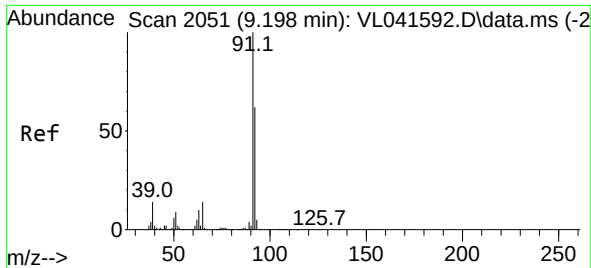
Tgt Ion: 43 Resp: 61630
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8#
98 1.4 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.952 ppbv
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 164 Resp: 86388
Ion Ratio Lower Upper
164 100
166 132.4 99.4 149.2
129 108.0 83.5 125.3
131 103.9 76.5 114.7





#53

Toluene

Concen: 0.863 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

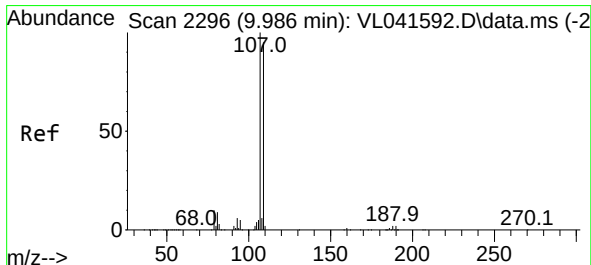
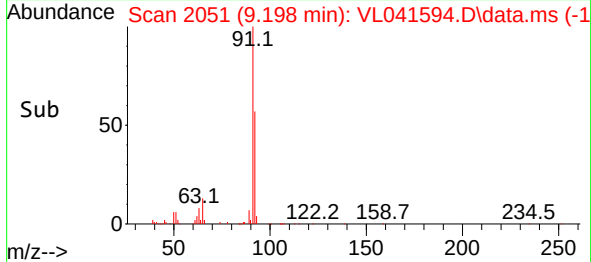
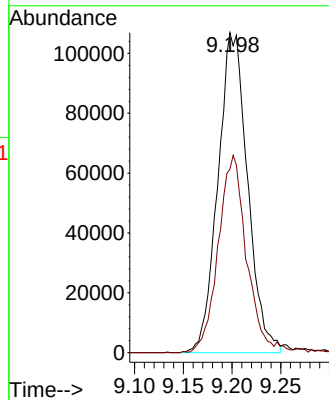
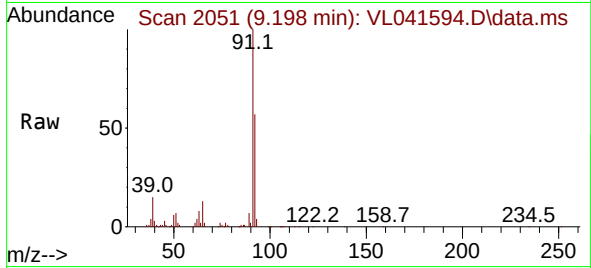
ClientSampleId :

Tgt Ion: 91 Resp: 226360

Ion Ratio Lower Upper

91 100

92 60.1 48.9 73.3



#54

1,2-Dibromoethane

Concen: 0.932 ppbv

RT: 9.986 min Scan# 2296

Delta R.T. 0.000 min

Lab File: VL041594.D

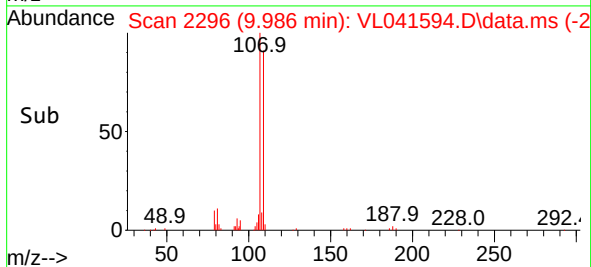
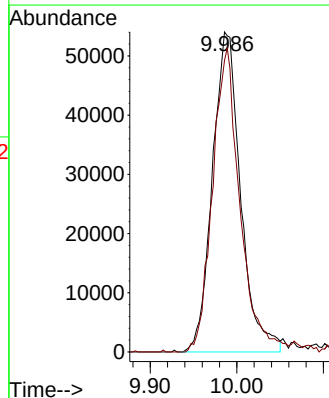
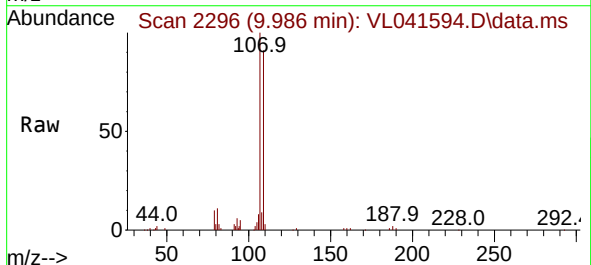
Acq: 16 Sep 2024 14:36

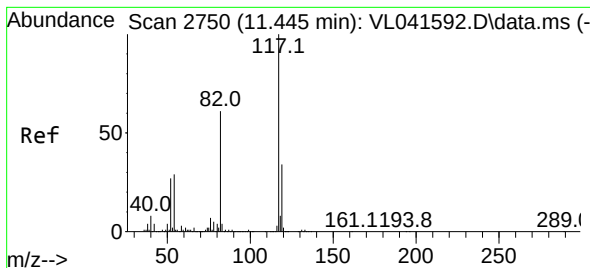
Tgt Ion: 107 Resp: 121996

Ion Ratio Lower Upper

107 100

109 91.1 75.7 113.5

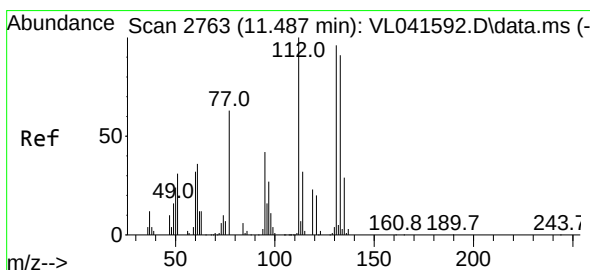
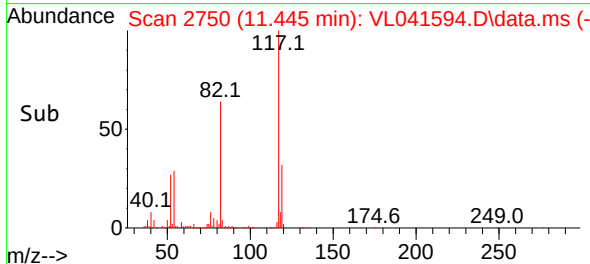
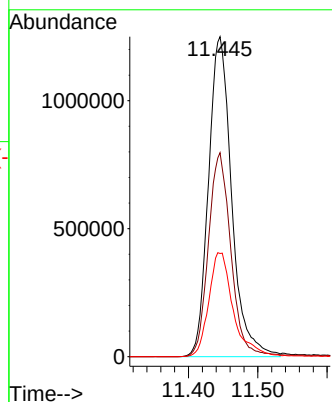
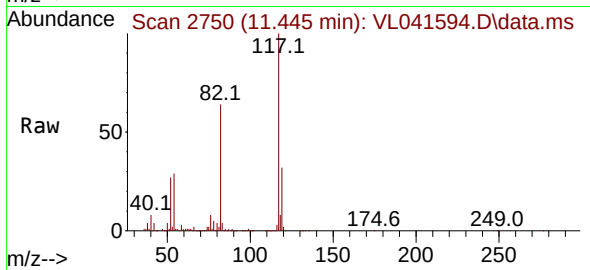




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. 0.000 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

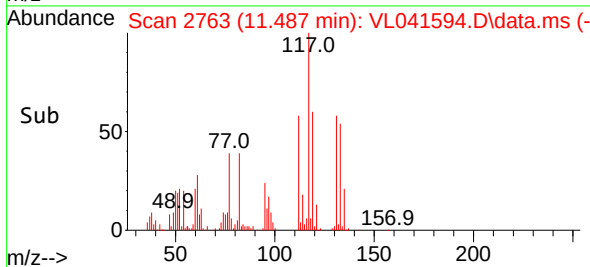
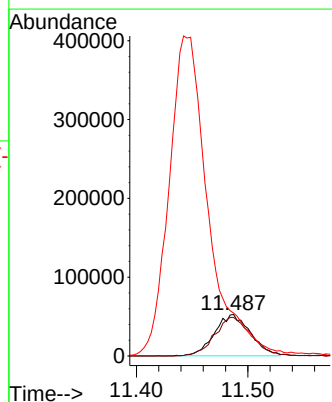
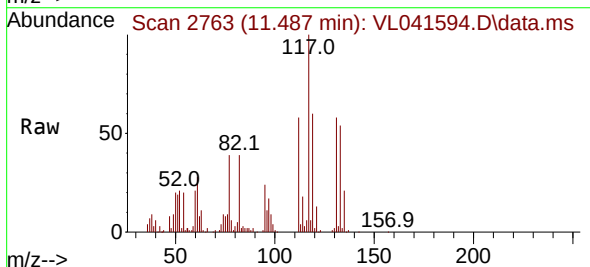
Instrument :
MSVOA_L
ClientSampleId :

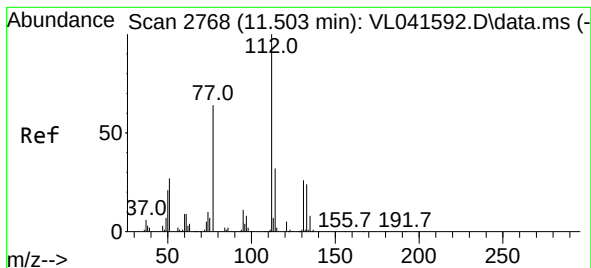
Tgt Ion:117 Resp: 2901355
Ion Ratio Lower Upper
117 100
82 62.3 49.4 74.2
119 34.7 24.4 36.6



#56
1,1,1,2-Tetrachloroethane
Concen: 1.030 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.000 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion:131 Resp: 116306
Ion Ratio Lower Upper
131 100
133 96.5 76.6 115.0
119 863.7 48.5 72.7#





#57

Chlorobenzene

Concen: 1.071 ppbv

RT: 11.503 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

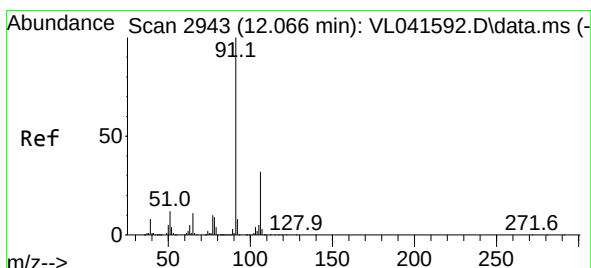
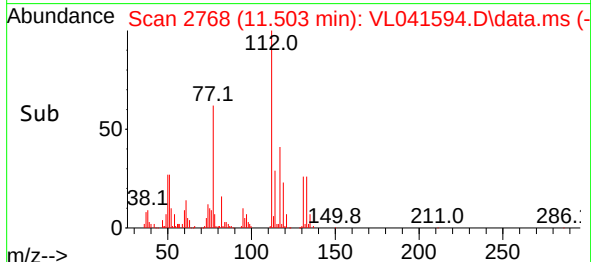
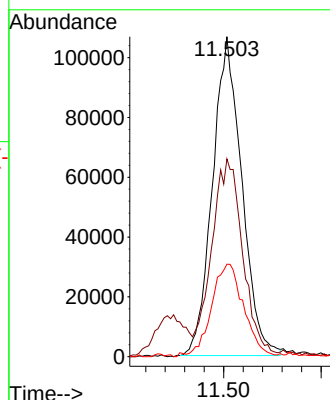
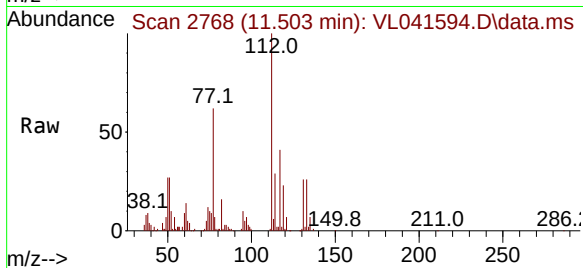
Tgt Ion:112 Resp: 222410

Ion Ratio Lower Upper

112 100

77 60.6 52.0 78.0

114 28.1 28.6 35.0#



#58

Ethyl Benzene

Concen: 0.947 ppbv

RT: 12.072 min Scan# 2945

Delta R.T. 0.006 min

Lab File: VL041594.D

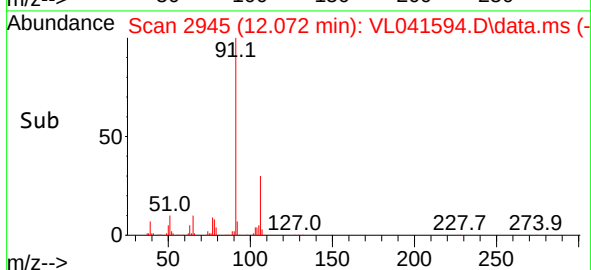
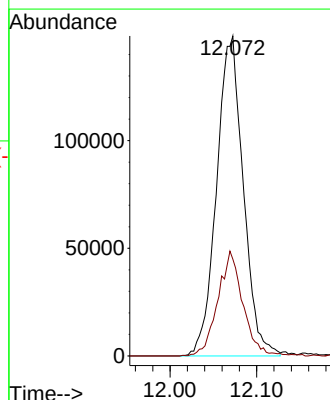
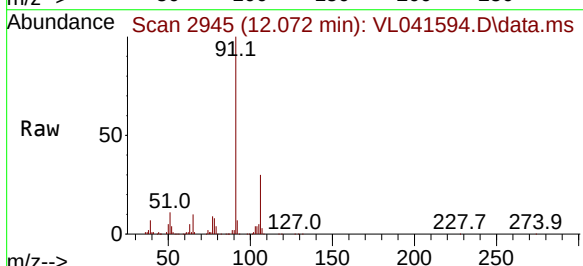
Acq: 16 Sep 2024 14:36

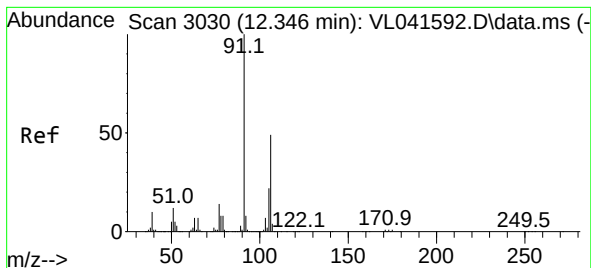
Tgt Ion: 91 Resp: 318095

Ion Ratio Lower Upper

91 100

106 30.2 25.8 38.6

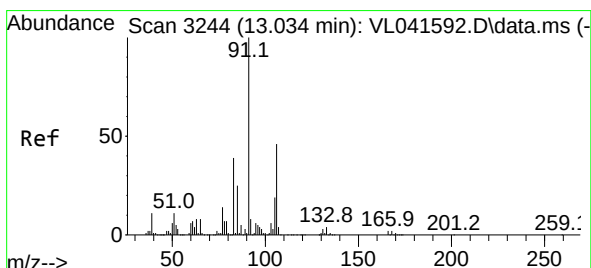
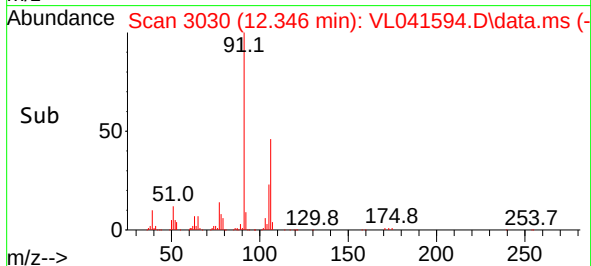
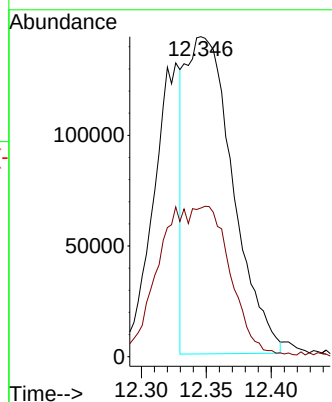
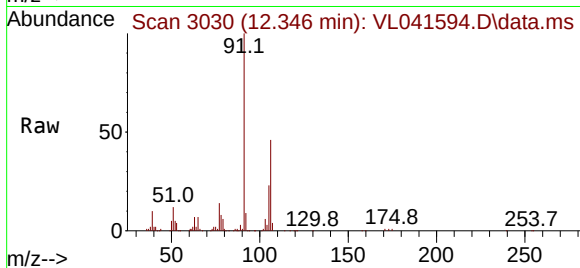




#59
m/p-Xylene
Concen: 1.257 ppbv
RT: 12.346 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

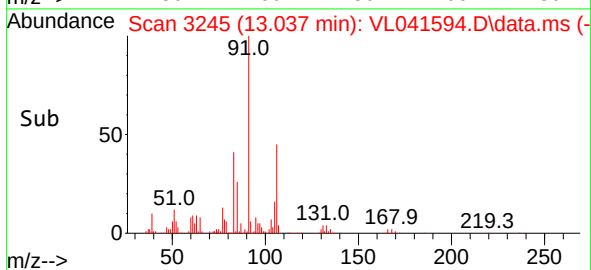
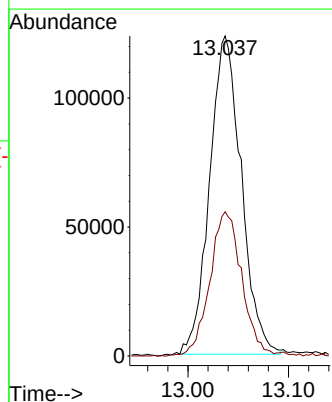
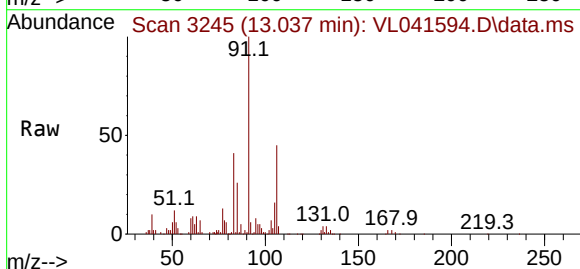
Instrument :
MSVOA_L
ClientSampleId :

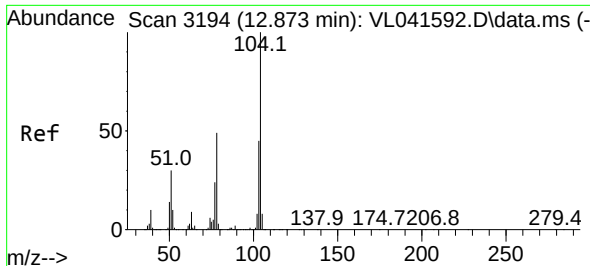
Tgt Ion: 91 Resp: 364110
Ion Ratio Lower Upper
91 100
106 71.7 36.8 55.2#



#60
o-Xylene
Concen: 0.983 ppbv
RT: 13.037 min Scan# 3245
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 91 Resp: 270052
Ion Ratio Lower Upper
91 100
106 46.2 23.1 69.3

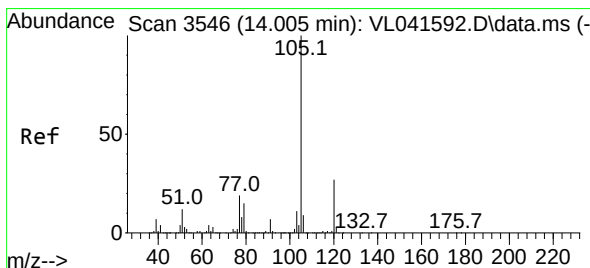
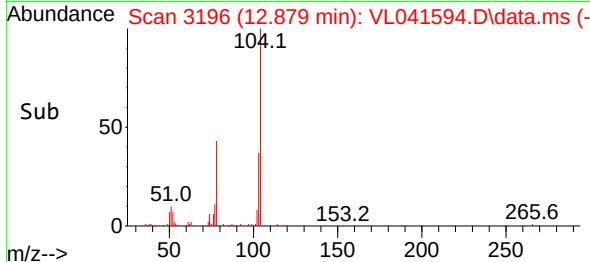
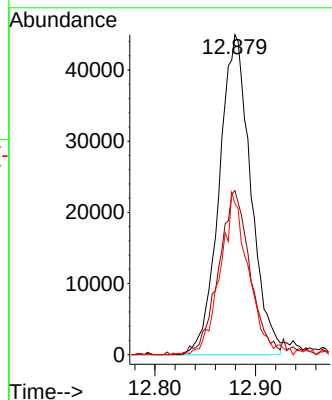
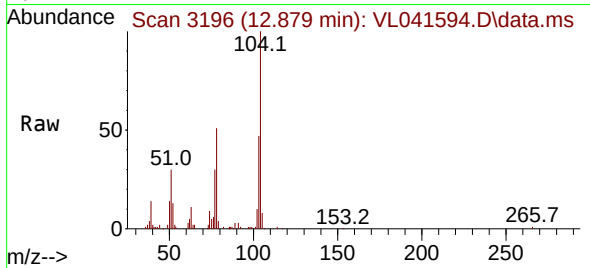




#61
Styrene
Concen: 0.794 ppbv
RT: 12.879 min Scan# 3194
Delta R.T. 0.006 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

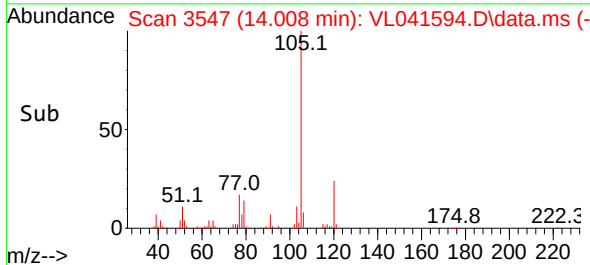
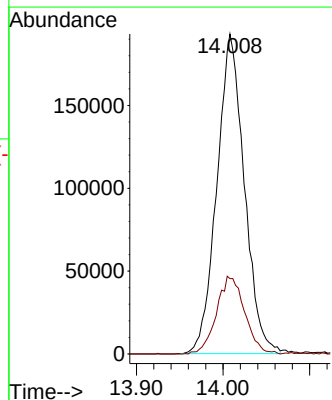
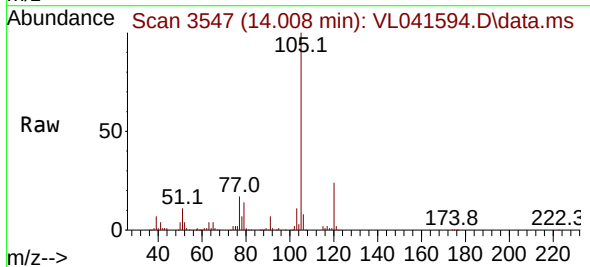
Instrument :
MSVOA_L
ClientSampleId :

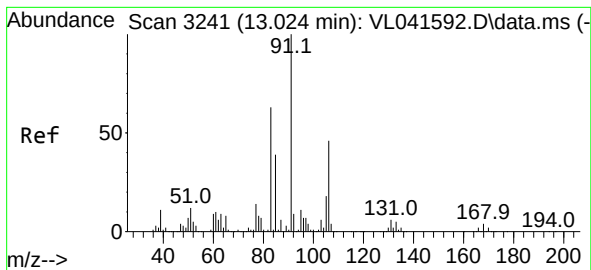
Tgt Ion:104 Resp: 98015
Ion Ratio Lower Upper
104 100
78 53.2 39.8 59.6
103 46.3 37.4 56.0



#62
Isopropylbenzene
Concen: 1.017 ppbv
RT: 14.008 min Scan# 3547
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion:105 Resp: 423939
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3

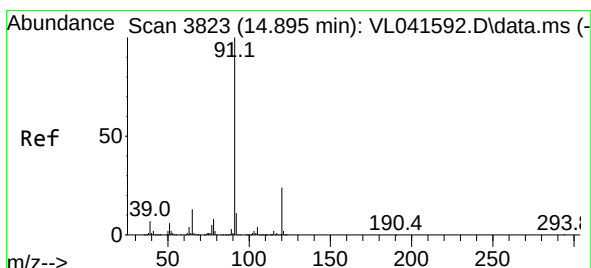
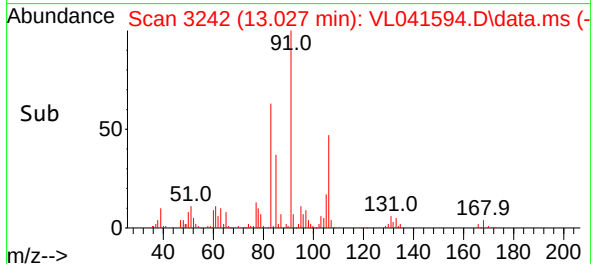
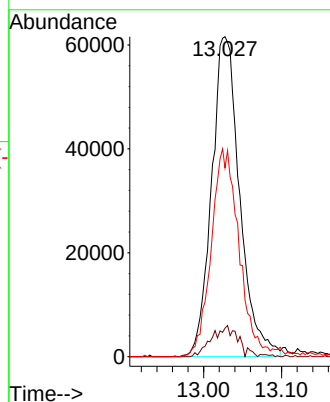
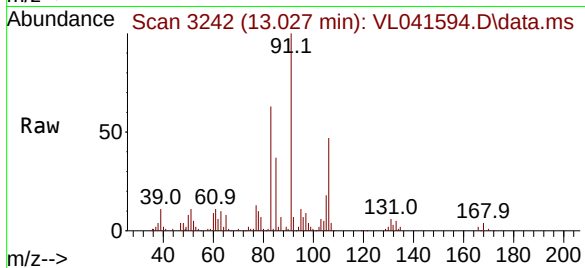




#63
1,1,2,2-Tetrachloroethane
Concen: 0.920 ppbv
RT: 13.027 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

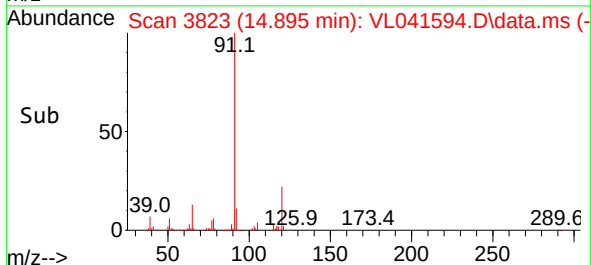
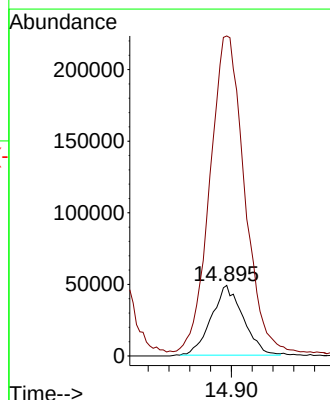
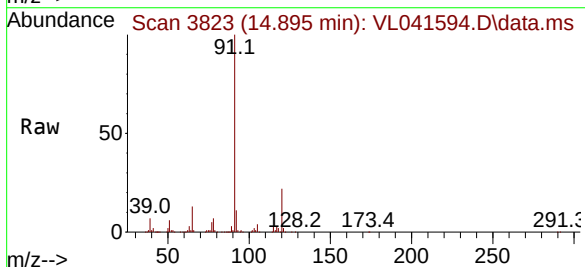
Instrument :
MSVOA_L
ClientSampleId :

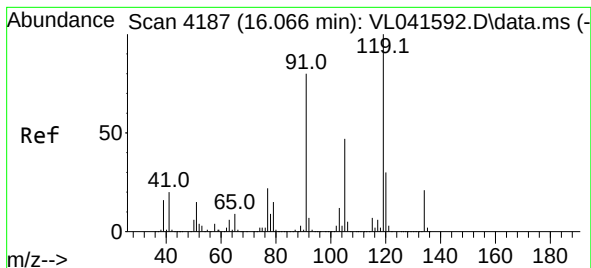
Tgt Ion: 83 Resp: 154402
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 66.0 32.5 97.4



#64
n-propylbenzene
Concen: 0.949 ppbv
RT: 14.895 min Scan# 3823
Delta R.T. 0.000 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 120 Resp: 103274
Ion Ratio Lower Upper
120 100
91 510.7 366.4 549.6





#65

tert-Butylbenzene

Concen: 1.032 ppbv

RT: 16.072 min Scan# 4187

Delta R.T. 0.006 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

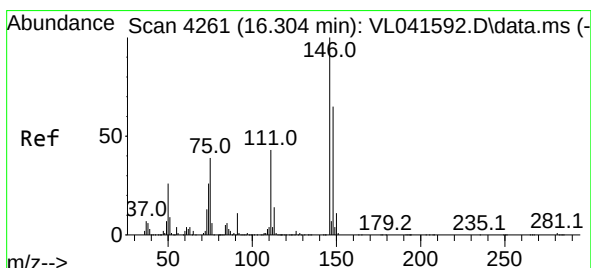
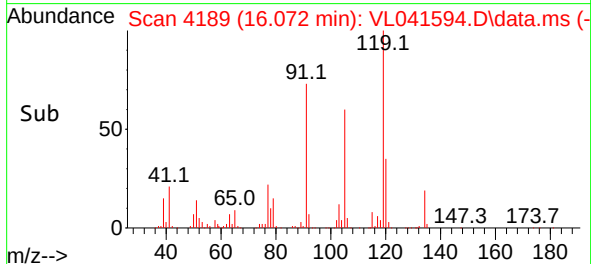
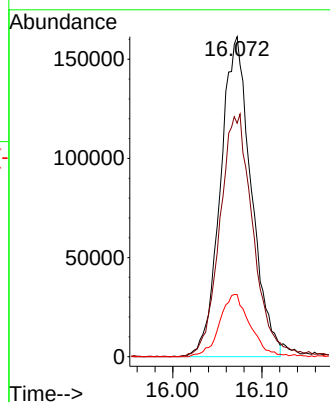
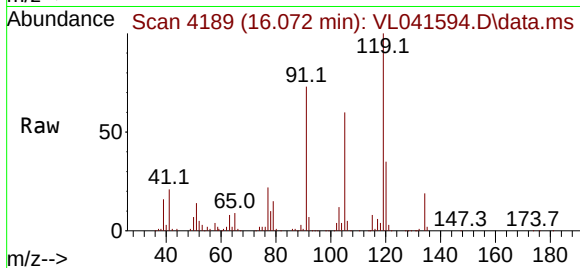
Tgt Ion:119 Resp: 388333

Ion Ratio Lower Upper

119 100

91 82.7 64.6 96.8

134 19.5 15.8 23.8



#66

Benzyl Chloride

Concen: 0.154 ppbv

RT: 16.301 min Scan# 4260

Delta R.T. -0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

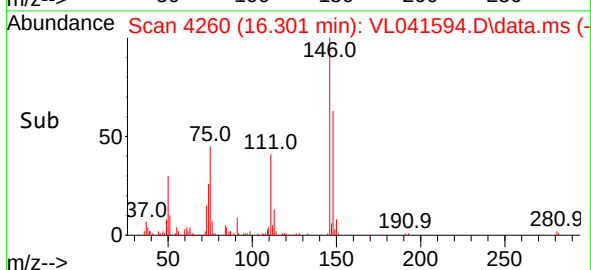
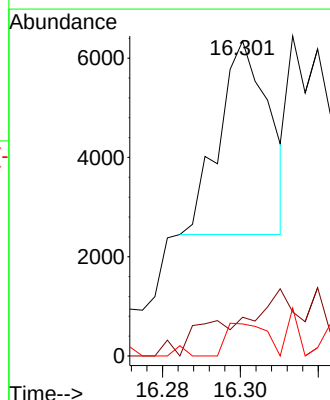
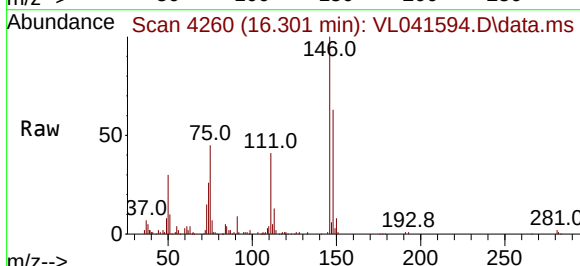
Tgt Ion: 91 Resp: 3483

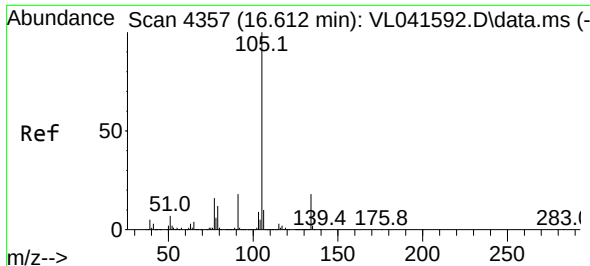
Ion Ratio Lower Upper

91 100

126 0.0 15.4 23.2#

128 19.8 4.8 7.2#

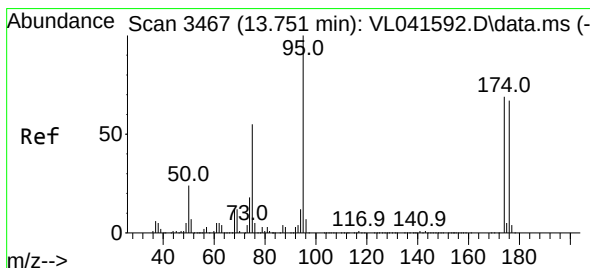
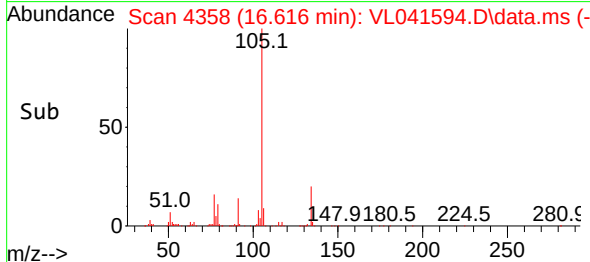
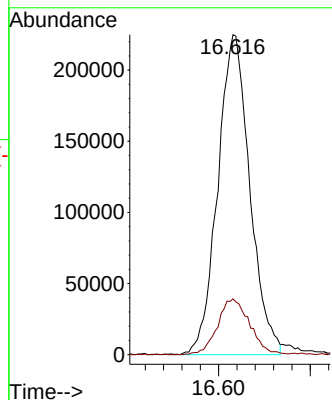
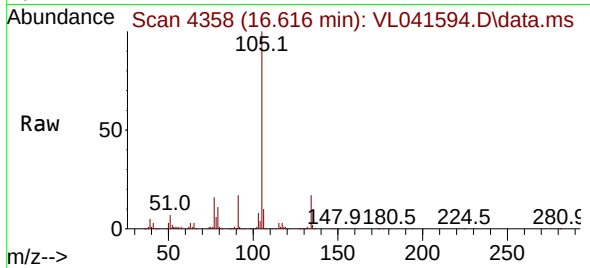




#67
 sec-Butylbenzene
 Concen: 1.051 ppbv
 RT: 16.616 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

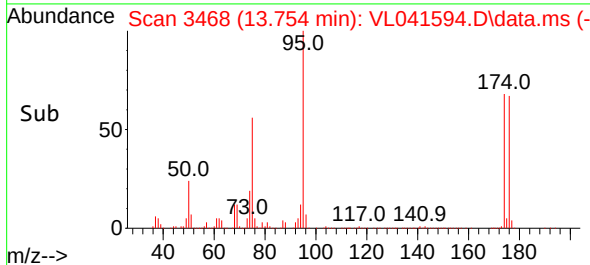
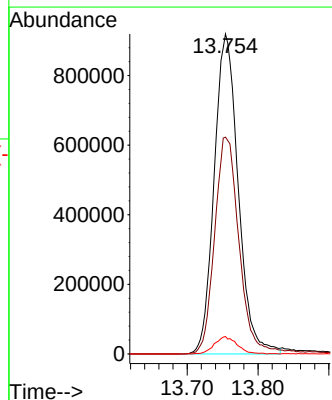
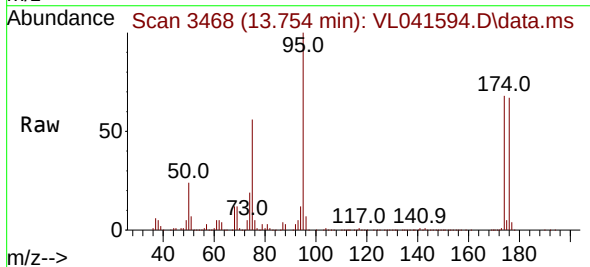
Instrument :
 MSVOA_L
 ClientSampleId :

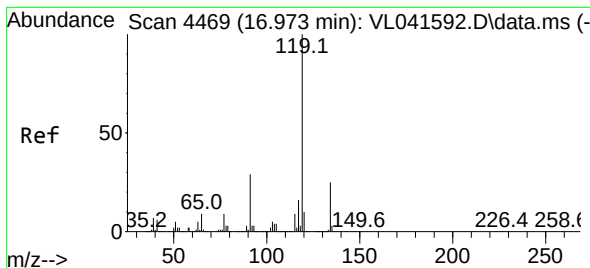
Tgt Ion:105 Resp: 546134
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.794 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. 0.003 min
 Lab File: VL041594.D
 Acq: 16 Sep 2024 14:36

Tgt Ion: 95 Resp: 2171693
 Ion Ratio Lower Upper
 95 100
 174 70.3 55.8 83.8
 175 5.1 4.1 6.1





#69

p-Isopropyltoluene

Concen: 0.995 ppbv

RT: 16.976 min Scan# 4469

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

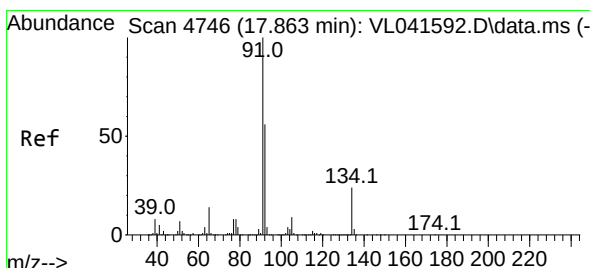
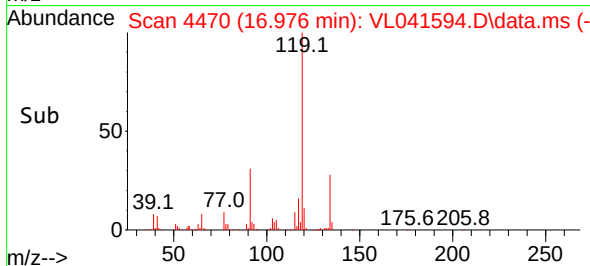
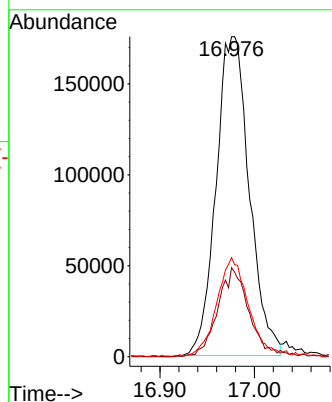
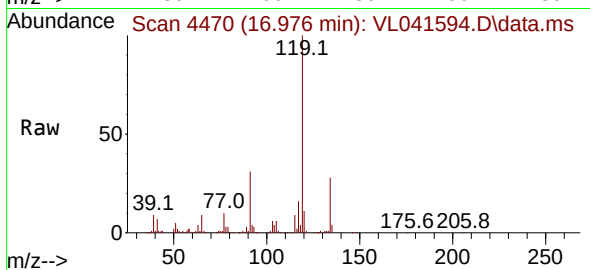
Tgt Ion:119 Resp: 428199

Ion Ratio Lower Upper

119 100

134 26.5 20.5 30.7

91 30.5 23.1 34.7



#70

n-Butylbenzene

Concen: 1.034 ppbv

RT: 17.870 min Scan# 4748

Delta R.T. 0.006 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

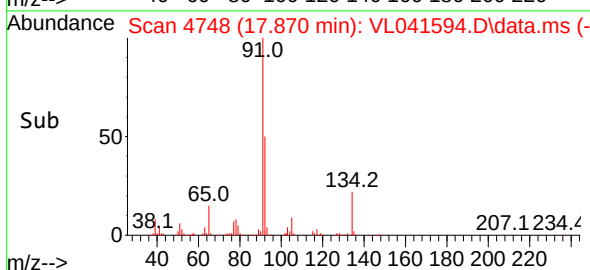
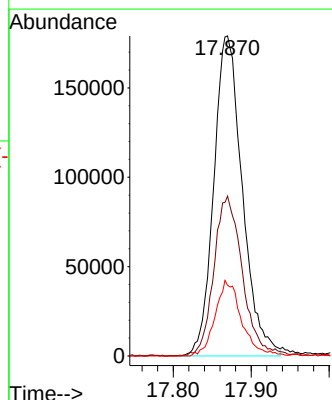
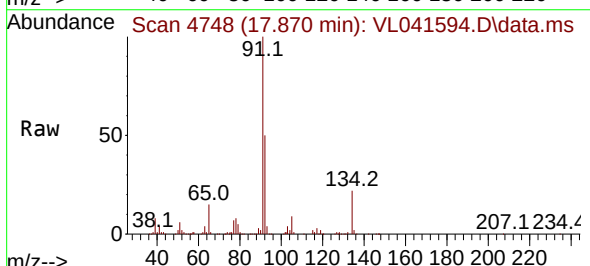
Tgt Ion: 91 Resp: 456221

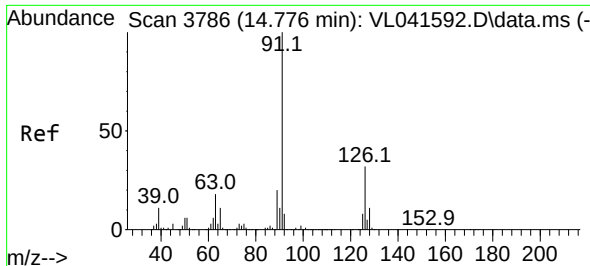
Ion Ratio Lower Upper

91 100

92 50.4 43.2 64.8

134 22.0 18.6 27.8

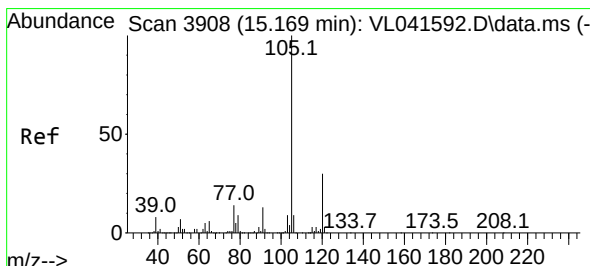
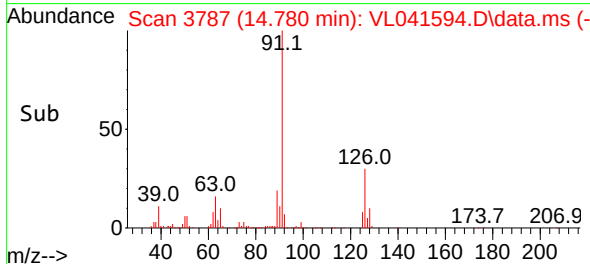
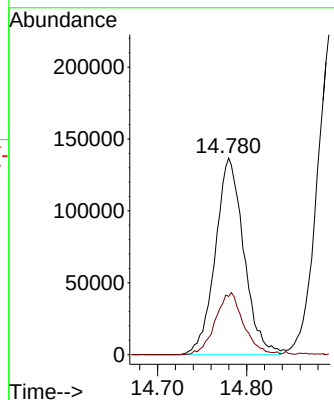
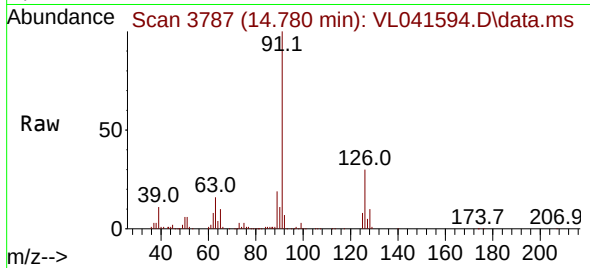




#71
2-Chlorotoluene
Concen: 0.989 ppbv
RT: 14.780 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

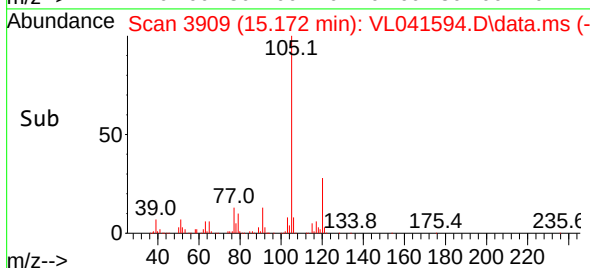
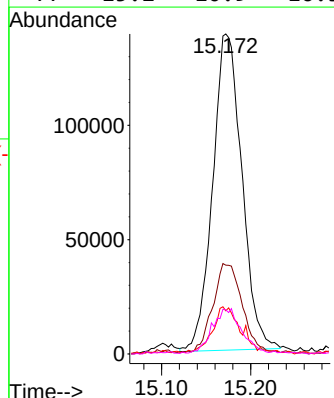
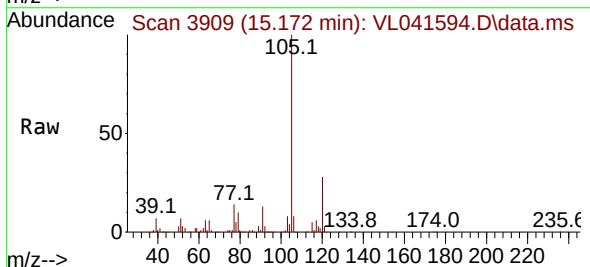
Instrument :
MSVOA_L
ClientSampleId :

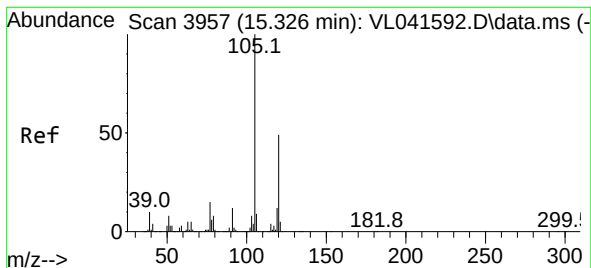
Tgt Ion: 91 Resp: 303828
Ion Ratio Lower Upper
91 100
126 32.0 12.9 51.5



#72
4-Ethyltoluene
Concen: 0.977 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. 0.003 min
Lab File: VL041594.D
Acq: 16 Sep 2024 14:36

Tgt Ion: 105 Resp: 315109
Ion Ratio Lower Upper
105 100
120 30.0 24.1 36.1
91 15.3 10.2 15.2#
77 15.2 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 1.019 ppbv

RT: 15.330 min Scan# 3958

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

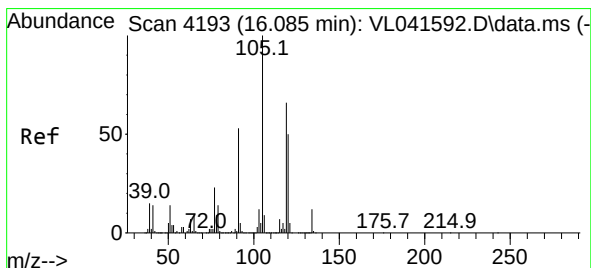
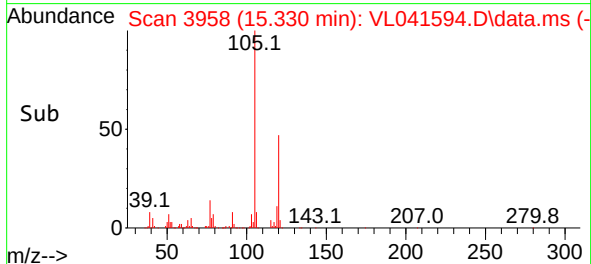
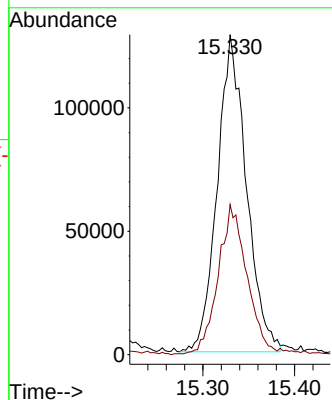
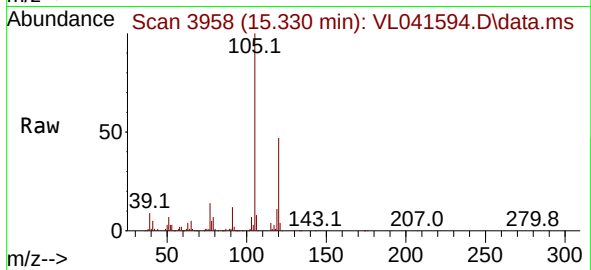
ClientSampleId :

Tgt Ion:105 Resp: 282986

Ion Ratio Lower Upper

105 100

120 47.1 39.4 59.0



#74

1,2,4-Trimethylbenzene

Concen: 0.525 ppbv

RT: 16.082 min Scan# 4192

Delta R.T. -0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Tgt Ion:105 Resp: 169749

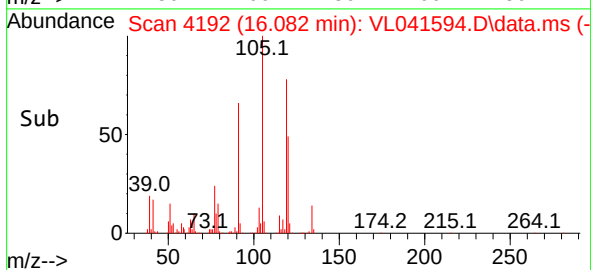
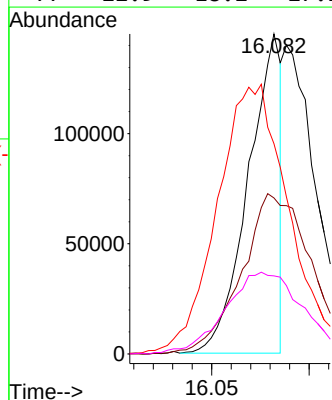
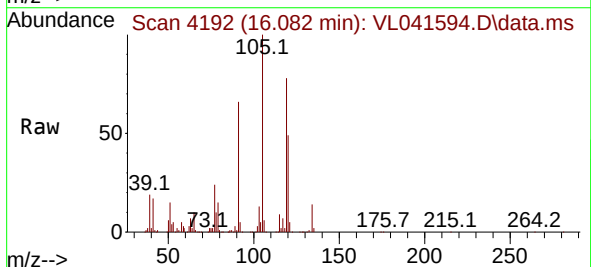
Ion Ratio Lower Upper

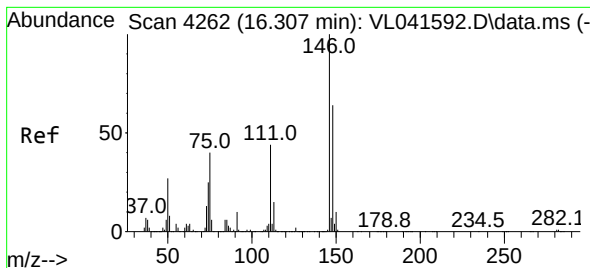
105 100

120 47.7 39.9 59.9

91 58.8 42.6 63.8

77 22.9 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 1.019 ppbv

RT: 16.307 min Scan# 4262

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

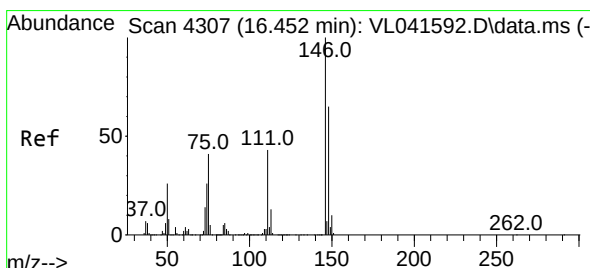
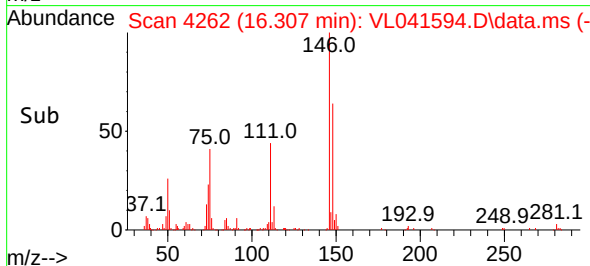
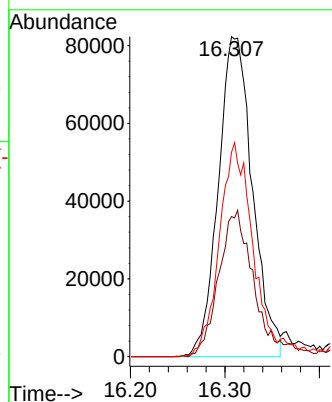
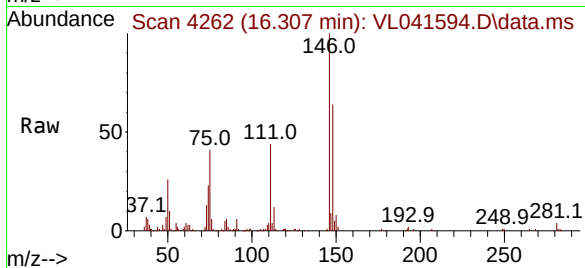
Tgt Ion:146 Resp: 206679

Ion Ratio Lower Upper

146 100

111 47.7 22.4 67.0

148 66.9 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 1.046 ppbv

RT: 16.452 min Scan# 4307

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

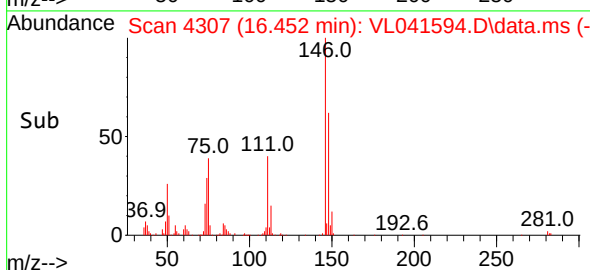
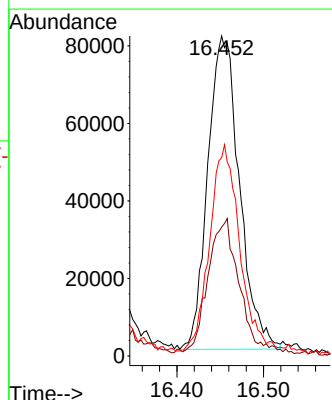
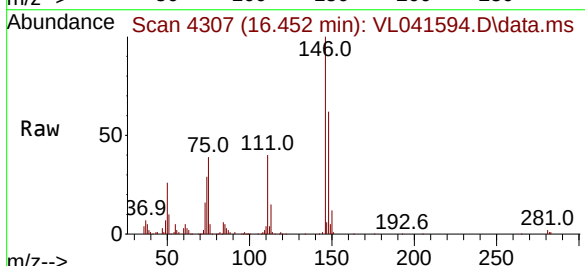
Tgt Ion:146 Resp: 205278

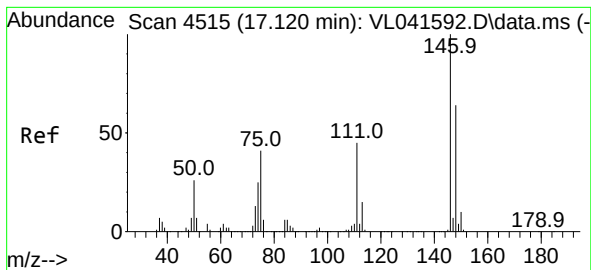
Ion Ratio Lower Upper

146 100

111 43.8 22.4 67.3

148 68.7 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 1.027 ppbv

RT: 17.124 min Scan# 4515

Delta R.T. 0.003 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

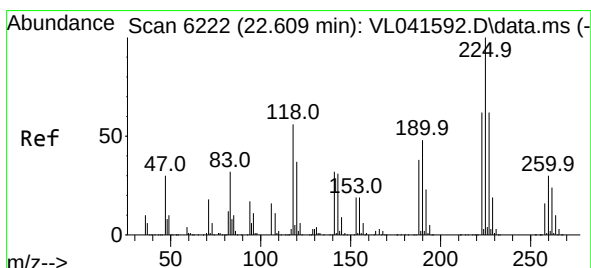
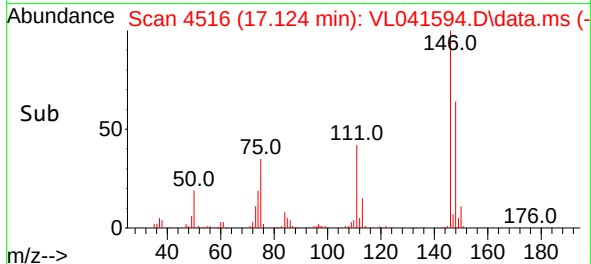
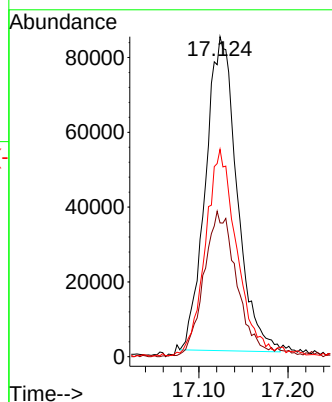
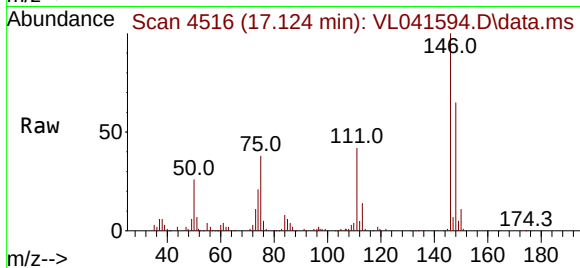
Tgt Ion:146 Resp: 206345

Ion Ratio Lower Upper

146 100

111 50.2 23.4 70.0

148 67.4 32.5 97.4



#78

Hexachloro-1,3-Butadiene

Concen: 0.651 ppbv

RT: 22.609 min Scan# 6222

Delta R.T. 0.000 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

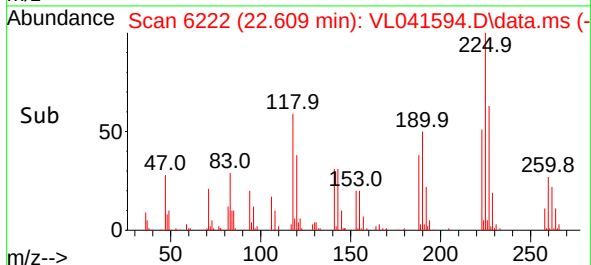
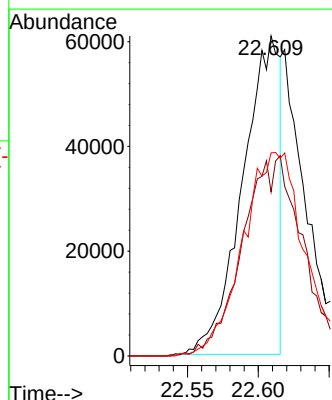
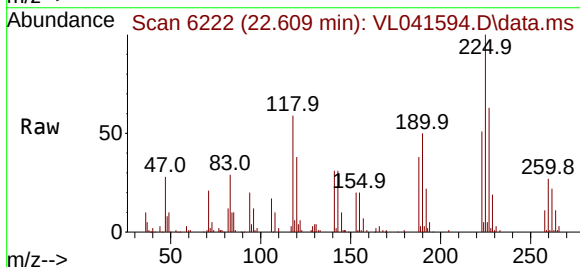
Tgt Ion:225 Resp: 111096

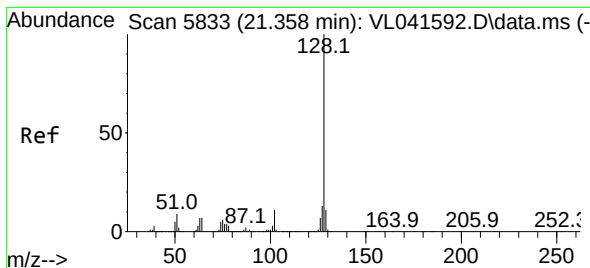
Ion Ratio Lower Upper

225 100

223 0.0 50.6 75.8#

227 107.7 50.9 76.3#





#79

Naphthalene

Concen: 0.812 ppbv

RT: 21.368 min Scan# 5836

Delta R.T. 0.010 min

Lab File: VL041594.D

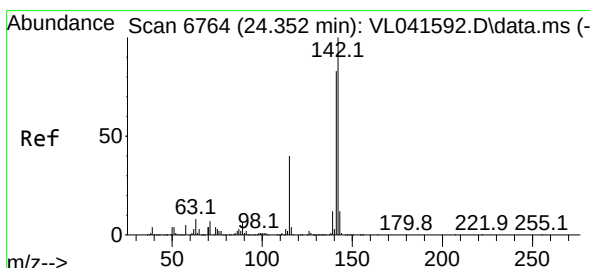
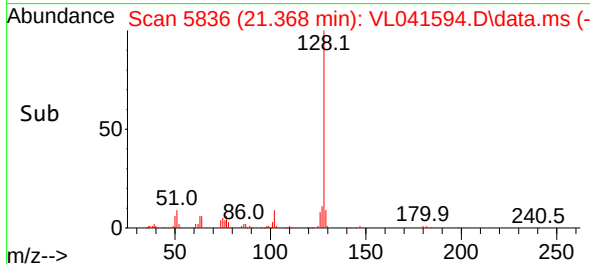
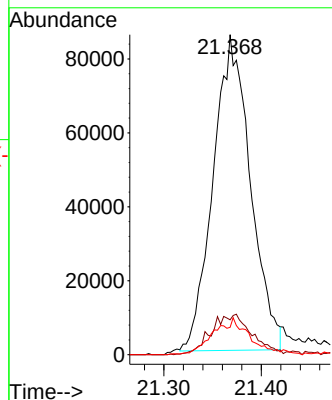
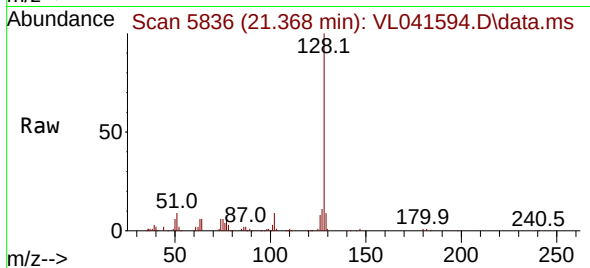
Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp: 226964
Ion Ratio	Lower Upper
128 100	
127 10.9	10.1 15.1
129 9.4	9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 0.524 ppbv

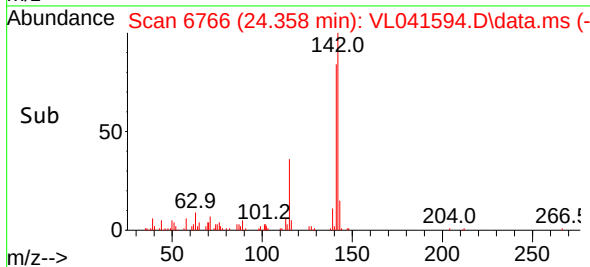
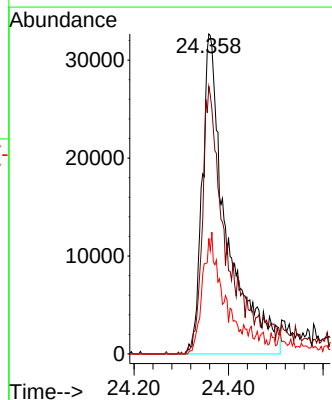
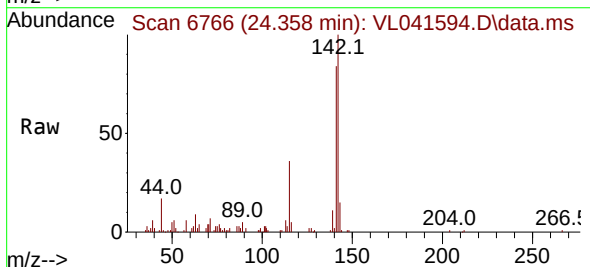
RT: 24.358 min Scan# 6766

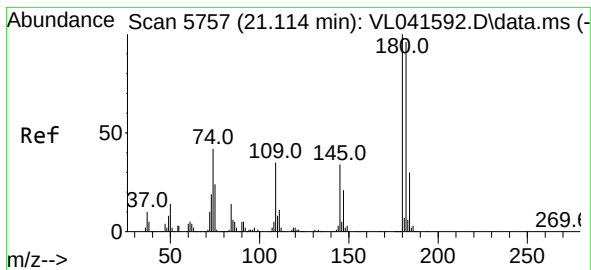
Delta R.T. 0.006 min

Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Tgt Ion:142	Resp: 117494
Ion Ratio	Lower Upper
142 100	
141 85.0	66.3 99.5
115 34.5	31.4 47.2





#81

1,2,4-Trichlorobenzene

Concen: 0.876 ppbv

RT: 21.124 min Scan# 51

Delta R.T. 0.010 min

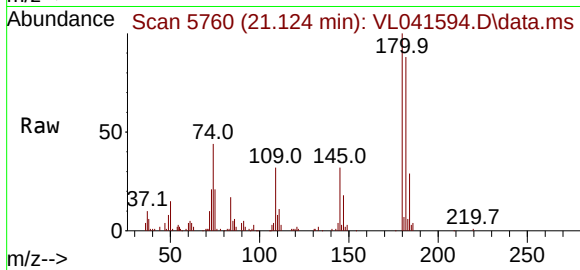
Lab File: VL041594.D

Acq: 16 Sep 2024 14:36

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 145946

Ion Ratio Lower Upper

180 100

182 100.8 76.5 114.7

184 32.2 24.7 37.1

