

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041618.D
 Acq On : 18 Sep 2024 22:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 03:41:22 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 09:12:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1152316	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.658	114	3074502	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.468	117	3491413	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2158584	8.399	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	1609862	9.674	ppbv	99
3) Chlorodifluoromethane	2.693	51	1335037	9.552	ppbv	99
4) Chloromethane	2.832	50	741922	9.651	ppbv	99
5) Vinyl Chloride	2.938	62	681128	10.233	ppbv	98
6) Bromomethane	3.134	94	269347	8.134	ppbv	98
7) Chloroethane	3.214	64	249266	9.629	ppbv	99
8) Dichlorotetrafluoroethane	2.874	85	1641811	9.405	ppbv	99
9) Propene	2.713	41	643878	10.922	ppbv	100
10) Heptane	7.584	43	1493242	10.818	ppbv	99
11) Trichlorofluoromethane	3.575	101	1623650	9.169	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	1190738	9.284	ppbv	100
13) Ethanol	3.266	45	17102	3.859	ppbv	93
14) Bromoethene	3.382	108	491495	10.107	ppbv	99
15) Acetone	3.481	43	1216837	8.411	ppbv	100
16) 1,3-Butadiene	3.002	39	716971	10.189	ppbv	98
17) tert-Butyl alcohol	3.890	59	1299830	10.217	ppbv	99
18) 1,1-Dichloroethene	3.893	96	539629	9.939	ppbv	98
19) Isopropyl Alcohol	3.587	45	673977	9.101	ppbv	100
20) Methylene Chloride	3.944	84	444842	8.185	ppbv	93
21) Allyl Chloride	4.009	41	852298	10.165	ppbv	99
22) trans-1,2-Dichloroethene	4.455	96	533639	9.853	ppbv	99
23) Vinyl Acetate	4.636	43	958367	12.044	ppbv #	97
24) 1,1-Dichloroethane	4.571	63	1151135	9.638	ppbv	99
25) Ethyl Acetate	5.211	43	2704409	10.413	ppbv	100
26) Hexane	5.221	57	1125342	10.390	ppbv	97
27) Carbon Disulfide	4.137	76	1227462	10.661	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	686625	10.283	ppbv	99
29) Chloroform	5.282	83	1680809	9.483	ppbv	97
30) Cyclohexane	6.610	84	949020	11.367	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	1079209	10.496	ppbv	99
32) 1,1,1-Trichloroethane	6.008	97	1637446	10.373	ppbv	99
34) 2-Butanone	4.793	43	1575782	10.749	ppbv	99
35) Carbon Tetrachloride	6.500	117	1678377	11.126	ppbv	98
36) Benzene	6.378	78	2315643	10.845	ppbv	100
37) 1,2-Dichloroethane	5.812	62	1258966	10.162	ppbv	99
38) Trichloroethene	7.298	130	1129681	10.274	ppbv	96
39) 1,2-Dichloropropane	7.079	63	907502	10.447	ppbv	98
40) 1,4-Dioxane	7.295	88	260119	7.944	ppbv #	55
41) Tetrahydrofuran	5.562	42	965725	11.970	ppbv	99
42) Bromodichloromethane	7.256	83	1789648	10.383	ppbv	98
43) Methyl Methacrylate	7.478	69	922711	12.076	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3926123	10.628	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	688144	11.170	ppbv	98

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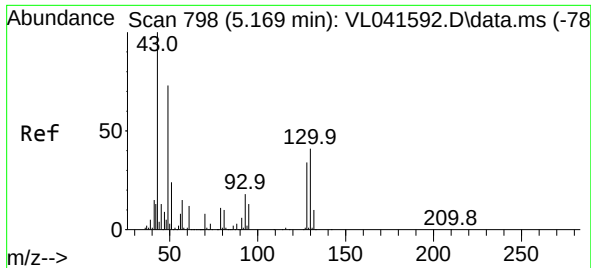
Quant Time: Sep 19 03:41:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	994376	11.018	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	935752	10.146	ppbv	96
48) Dibromochloromethane	9.716	129	1516194	10.850	ppbv	99
49) Bromoform	12.407	173	1293333	10.782	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2630611	11.620	ppbv	100
51) 2-Hexanone	9.552	43	2057043	12.012	ppbv #	99
52) Tetrachloroethene	10.619	164	844101	10.918	ppbv	97
53) Toluene	9.224	91	2642864	11.660	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1253159	11.033	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1127447	8.271	ppbv	99
57) Chlorobenzene	11.529	112	2015460	8.006	ppbv	99
58) Ethyl Benzene	12.089	91	3511479	9.395	ppbv	99
59) m/p-Xylene	12.372	91	3100885	9.322	ppbv #	36
60) o-Xylene	13.060	91	2864051	8.980	ppbv	100
61) Styrene	12.899	104	1380260	10.359	ppbv	99
62) Isopropylbenzene	14.027	105	4166590	8.623	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1486647	9.117	ppbv	100
64) n-propylbenzene	14.915	120	1115340	8.938	ppbv	100
65) tert-Butylbenzene	16.085	119	3719565	8.398	ppbv	100
66) Benzyl Chloride	16.323	91	192391	8.356	ppbv	99
67) sec-Butylbenzene	16.632	105	5216169	8.489	ppbv	100
69) p-Isopropyltoluene	16.992	119	4338555	8.723	ppbv	100
70) n-Butylbenzene	17.883	91	4465183	8.570	ppbv	99
71) 2-Chlorotoluene	14.796	91	3119812	8.776	ppbv	99
72) 4-Ethyltoluene	15.191	105	3411294	9.151	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2920920	8.873	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3222123	8.362	ppbv	96
75) 1,3-Dichlorobenzene	16.330	146	1952759	8.087	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1891944	8.176	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1893075	7.941	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1393211	7.085	ppbv	99
79) Naphthalene	21.381	128	1442707	5.088	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1747639	8.795	ppbv	99
81) 1,2,4-Trichlorobenzene	21.130	180	1542503	8.556	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.201 min Scan# 80

Delta R.T. 0.032 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

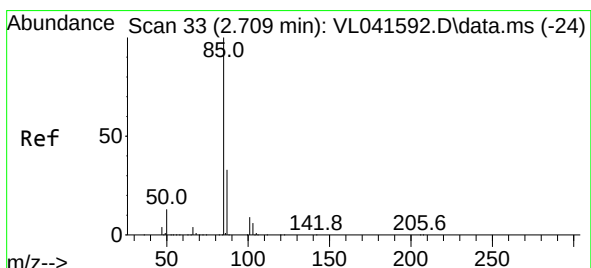
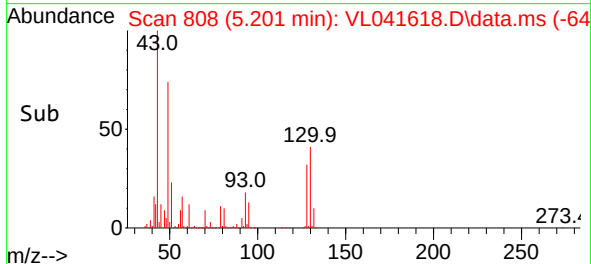
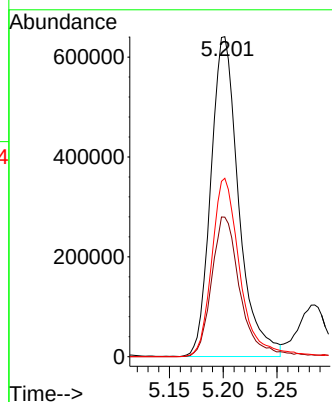
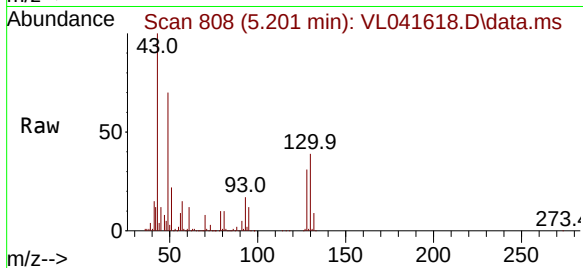
Tgt Ion: 49 Resp: 1152316

Ion Ratio Lower Upper

49 100

128 45.9 23.8 71.5

130 57.5 30.4 91.3



#2

Dichlorodifluoromethane

Concen: 9.674 ppbv

RT: 2.748 min Scan# 45

Delta R.T. 0.039 min

Lab File: VL041618.D

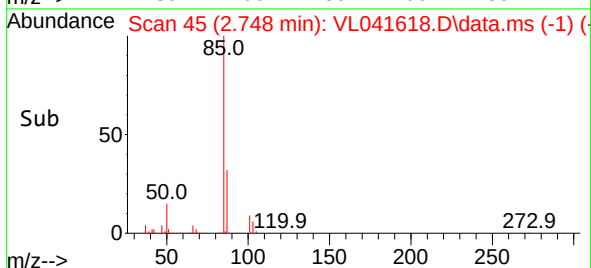
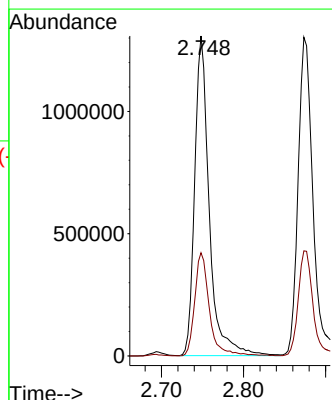
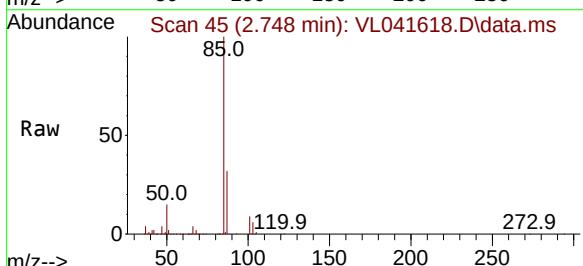
Acq: 18 Sep 2024 22:44

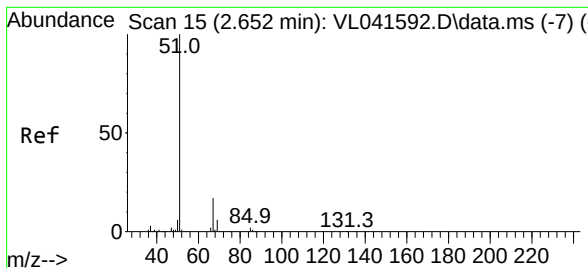
Tgt Ion: 85 Resp: 1609862

Ion Ratio Lower Upper

85 100

87 32.2 26.3 39.5





#3

Chlorodifluoromethane

Concen: 9.552 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.042 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

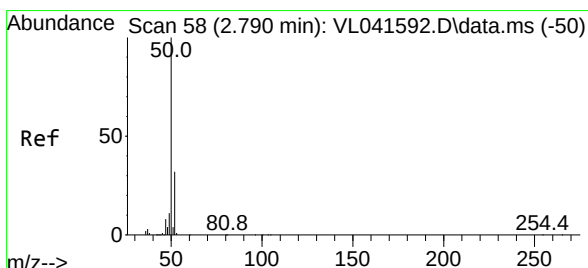
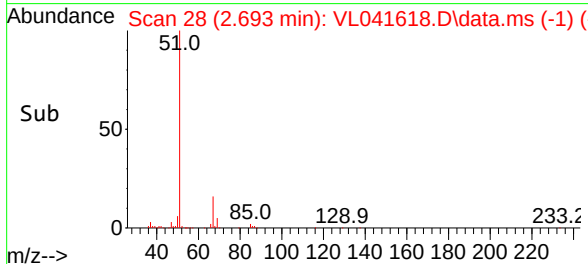
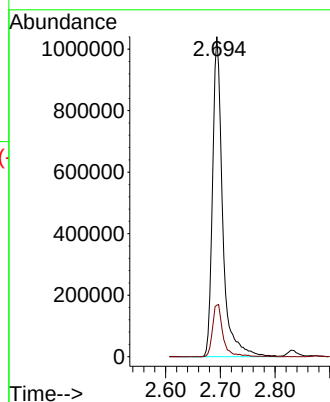
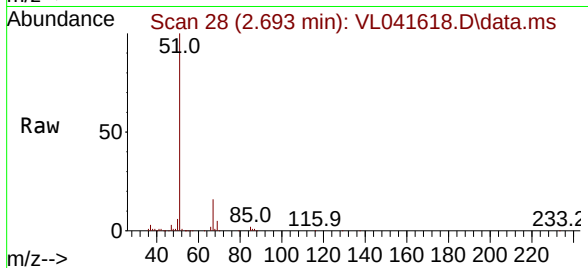
ClientSampleId :

Tgt Ion: 51 Resp: 1335037

Ion Ratio Lower Upper

51 100

67 17.0 14.1 21.1



#4

Chloromethane

Concen: 9.651 ppbv

RT: 2.832 min Scan# 71

Delta R.T. 0.042 min

Lab File: VL041618.D

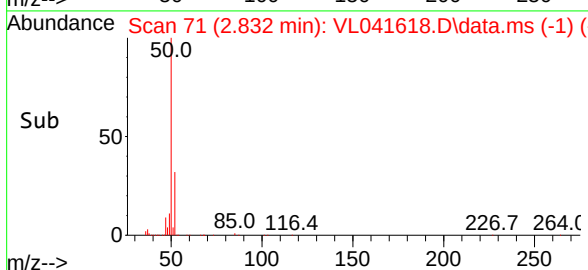
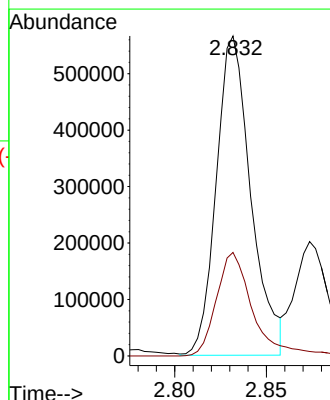
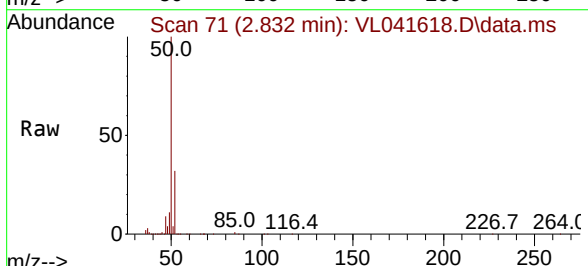
Acq: 18 Sep 2024 22:44

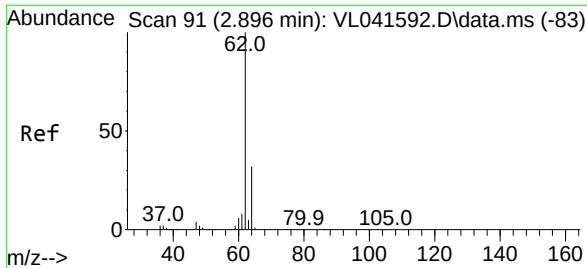
Tgt Ion: 50 Resp: 741922

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2

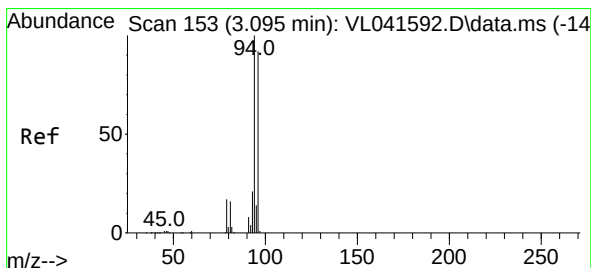
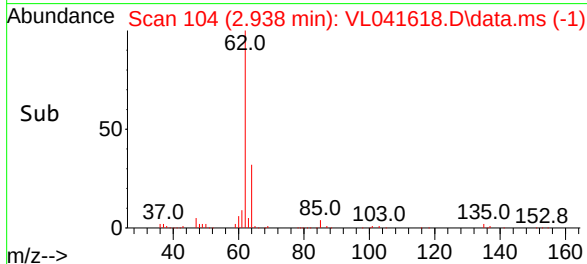
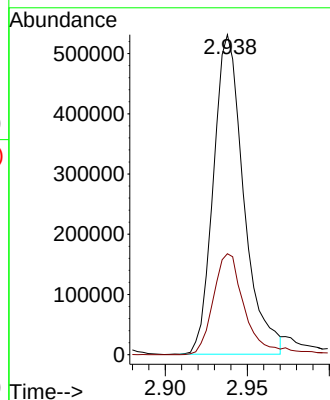
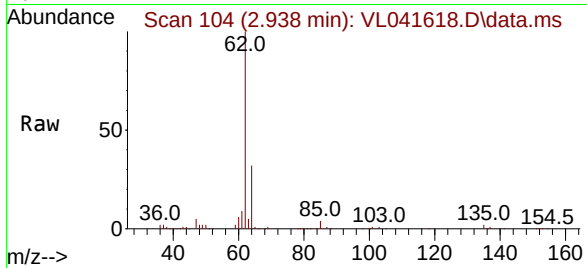




#5
 Vinyl Chloride
 Concen: 10.233 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. 0.042 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

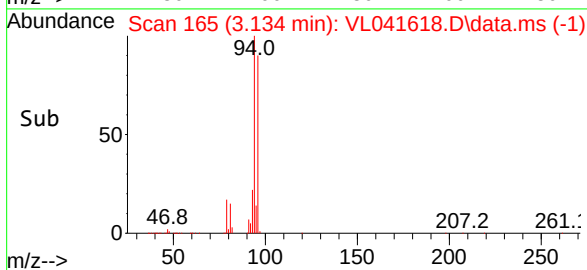
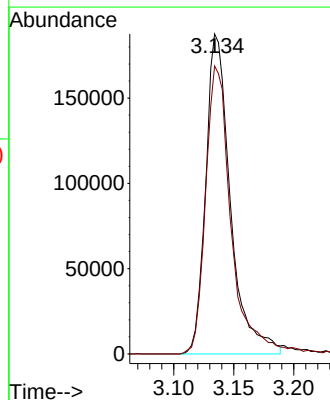
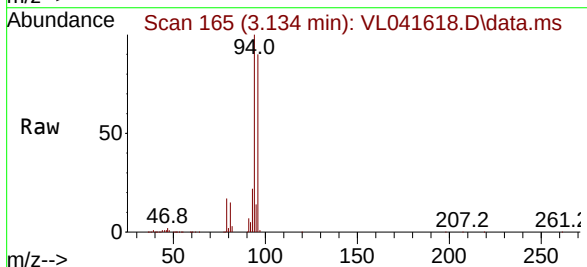
Instrument :
 MSVOA_L
 ClientSampleId :

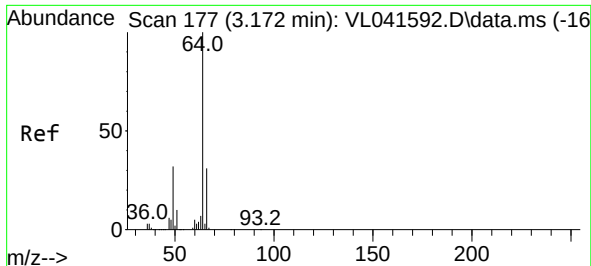
Tgt Ion: 62 Resp: 681128
 Ion Ratio Lower Upper
 62 100
 64 31.6 26.0 39.0



#6
 Bromomethane
 Concen: 8.134 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.039 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

Tgt Ion: 94 Resp: 269347
 Ion Ratio Lower Upper
 94 100
 96 90.0 73.4 110.2

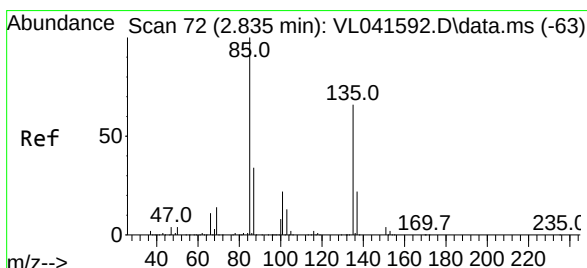
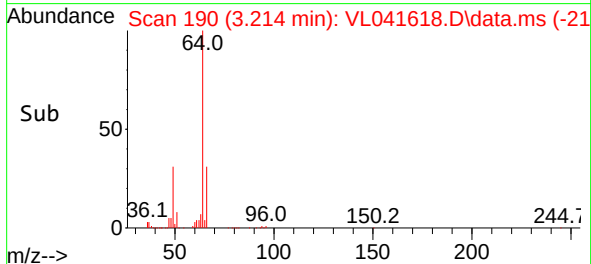
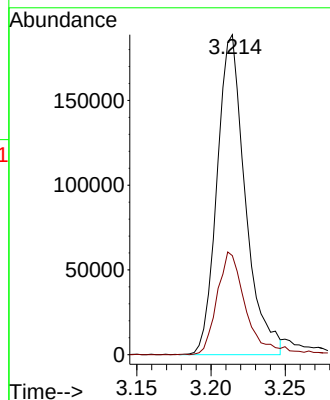
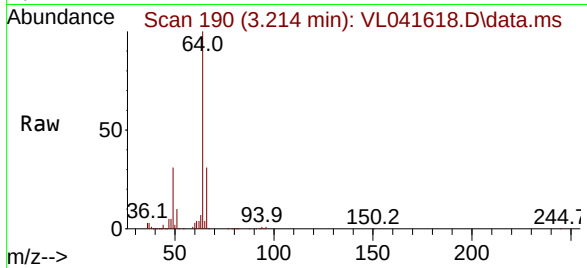




#7
Chloroethane
Concen: 9.629 ppbv
RT: 3.214 min Scan# 19
Delta R.T. 0.042 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

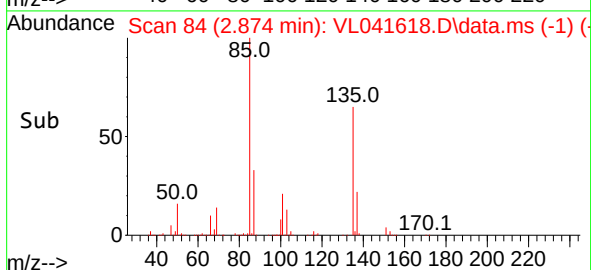
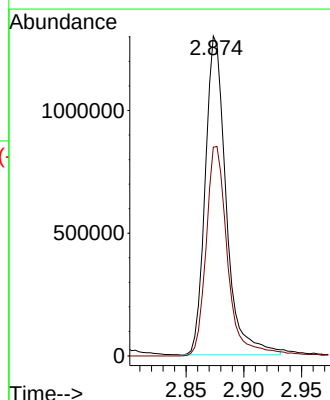
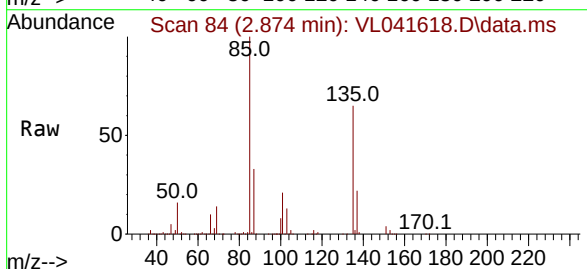
Instrument :
MSVOA_L
ClientSampleId :

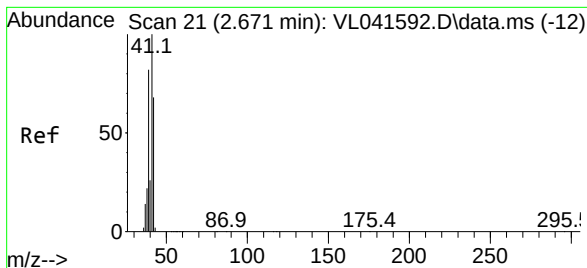
Tgt Ion: 64 Resp: 249266
Ion Ratio Lower Upper
64 100
66 31.0 25.1 37.7



#8
Dichlorotetrafluoroethane
Concen: 9.405 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.039 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 85 Resp: 1641811
Ion Ratio Lower Upper
85 100
135 68.5 53.9 80.9





#9

Propene

Concen: 10.922 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.042 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

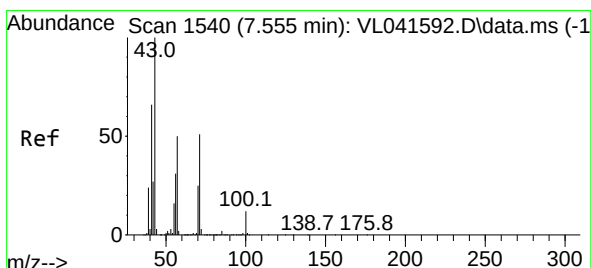
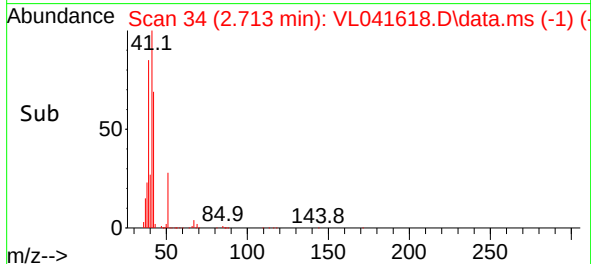
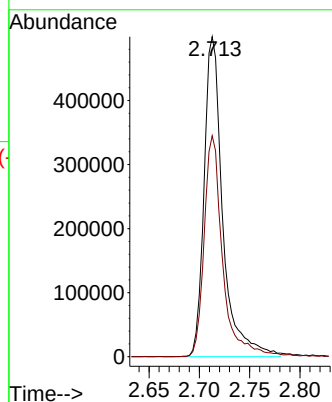
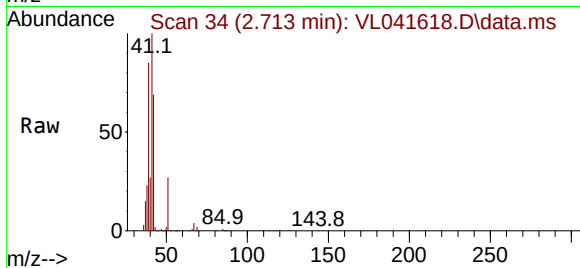
ClientSampleId :

Tgt Ion: 41 Resp: 643878

Ion Ratio Lower Upper

41 100

42 69.2 55.2 82.8



#10

Heptane

Concen: 10.818 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.029 min

Lab File: VL041618.D

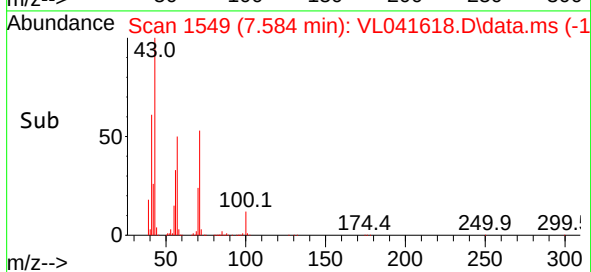
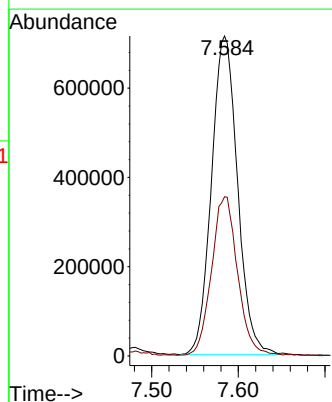
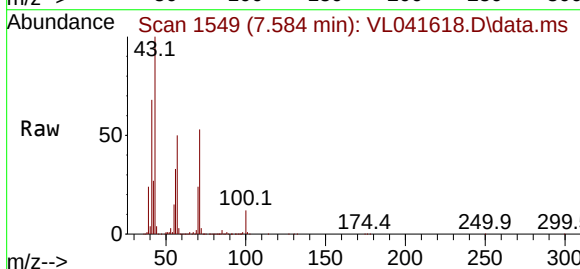
Acq: 18 Sep 2024 22:44

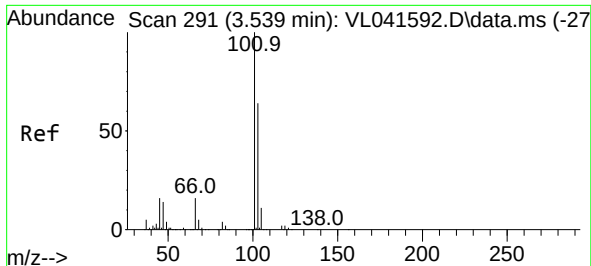
Tgt Ion: 43 Resp: 1493242

Ion Ratio Lower Upper

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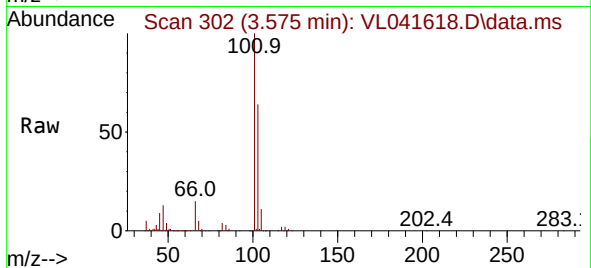
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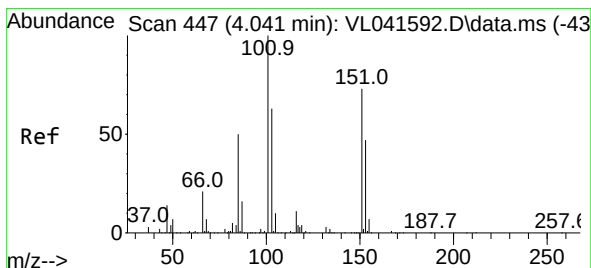
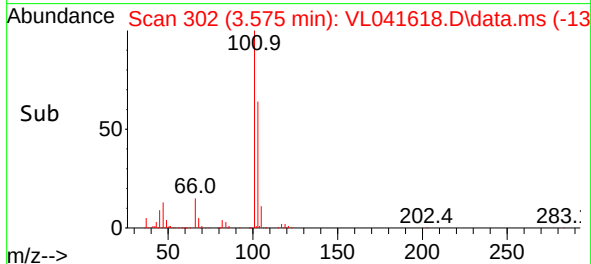
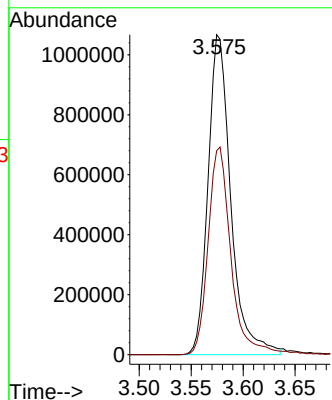


#11
 Trichlorofluoromethane
 Concen: 9.169 ppbv
 RT: 3.575 min Scan# 30
 Delta R.T. 0.036 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

Instrument :
 MSVOA_L
 ClientSampleId :

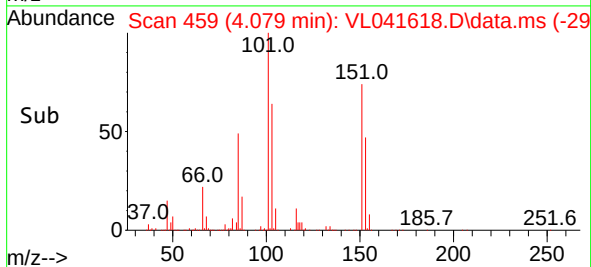
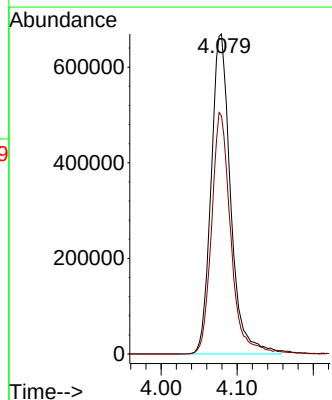
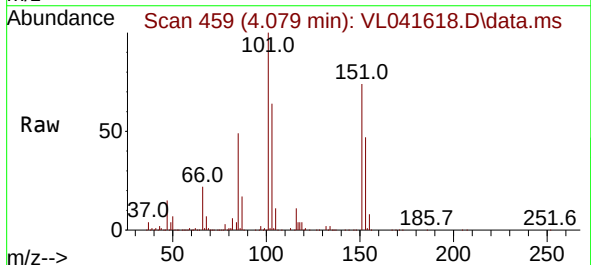


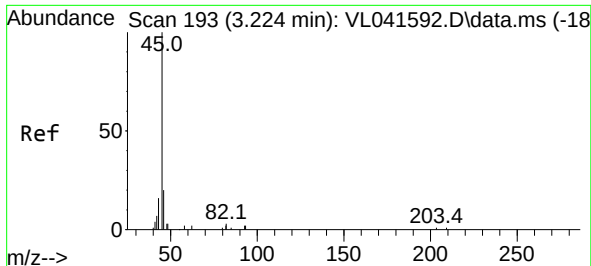
Tgt Ion:101 Resp: 1623650
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.284 ppbv
 RT: 4.079 min Scan# 459
 Delta R.T. 0.039 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

Tgt Ion:101 Resp: 1190738
 Ion Ratio Lower Upper
 101 100
 151 74.5 59.4 89.2





#13

Ethanol

Concen: 3.859 ppbv

RT: 3.266 min Scan# 206

Delta R.T. 0.042 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

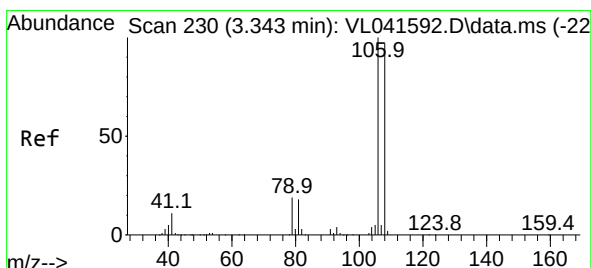
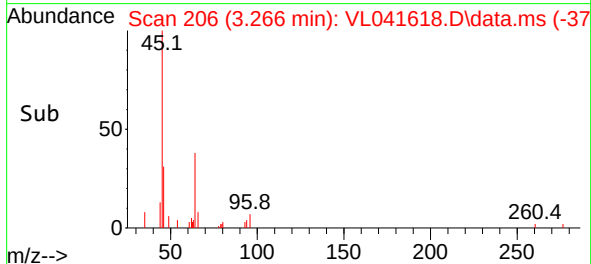
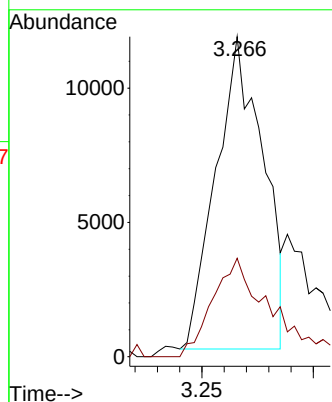
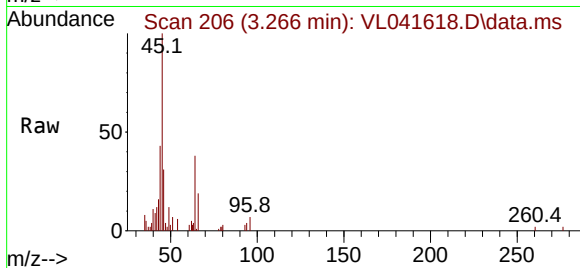
ClientSampleId :

Tgt Ion: 45 Resp: 17102

Ion Ratio Lower Upper

45 100

46 42.5 15.2 60.8



#14

Bromoethene

Concen: 10.107 ppbv

RT: 3.382 min Scan# 242

Delta R.T. 0.039 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

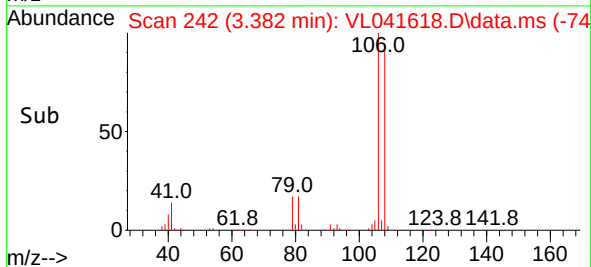
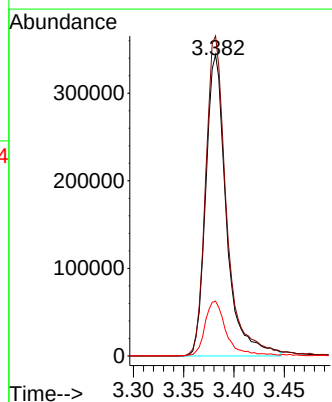
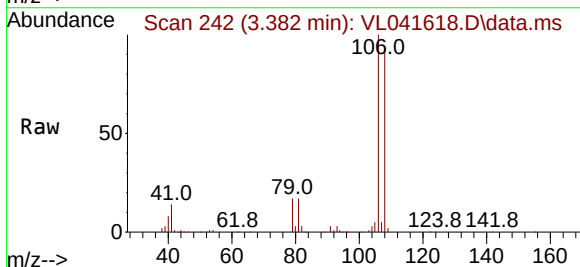
Tgt Ion: 108 Resp: 491495

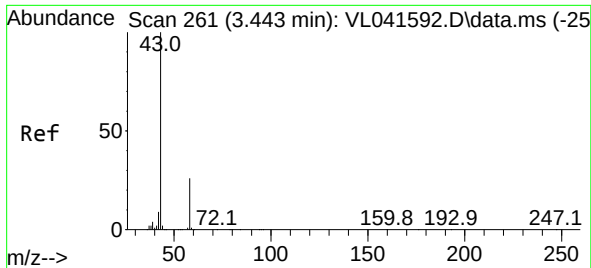
Ion Ratio Lower Upper

108 100

106 108.9 86.5 129.7

79 19.4 16.2 24.4

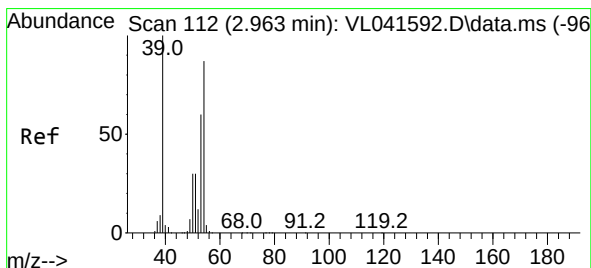
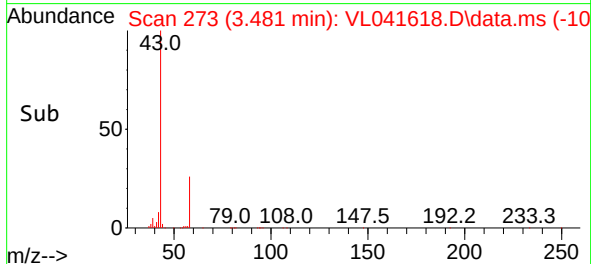
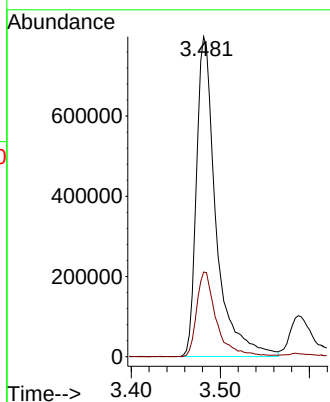
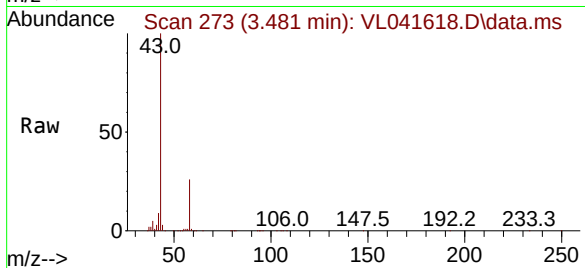




#15
Acetone
Concen: 8.411 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

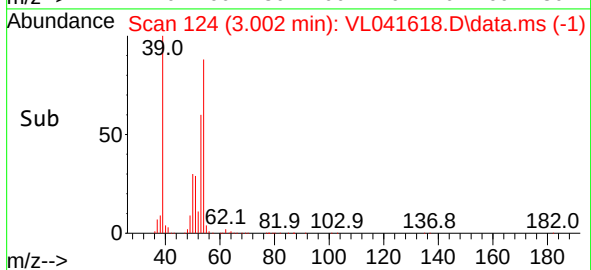
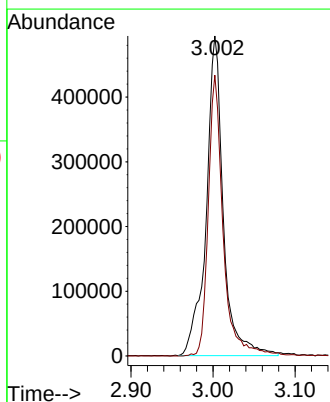
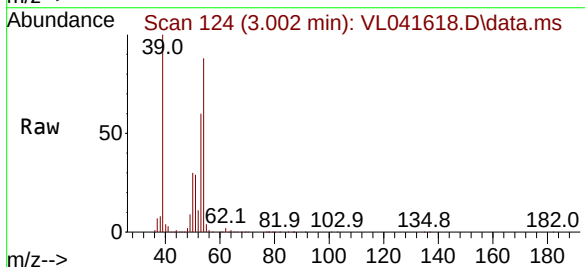
Instrument :
MSVOA_L
ClientSampleId :

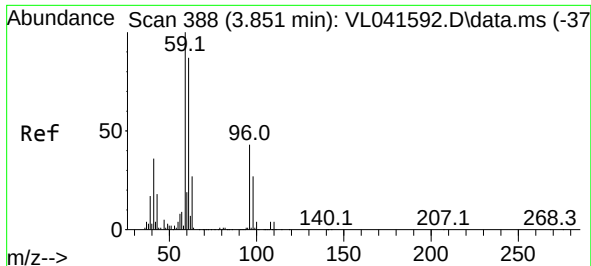
Tgt Ion: 43 Resp: 1216837
Ion Ratio Lower Upper
43 100
58 26.8 21.5 32.3



#16
1,3-Butadiene
Concen: 10.189 ppbv
RT: 3.002 min Scan# 124
Delta R.T. 0.039 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 39 Resp: 716971
Ion Ratio Lower Upper
39 100
54 76.7 62.9 94.3

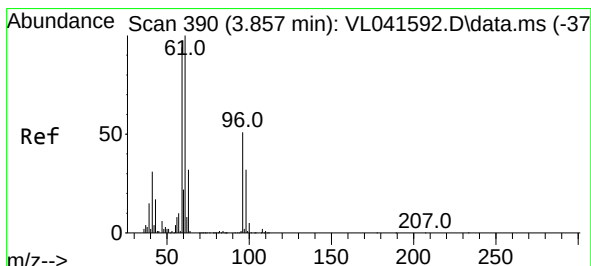
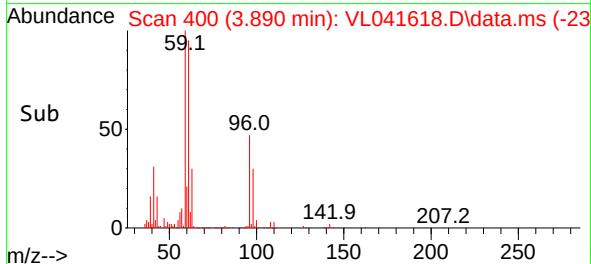
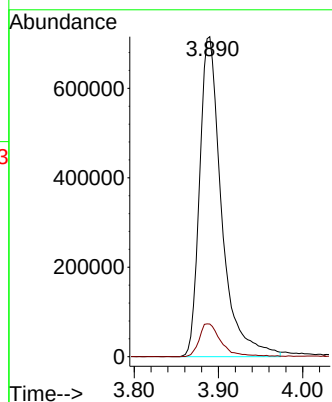
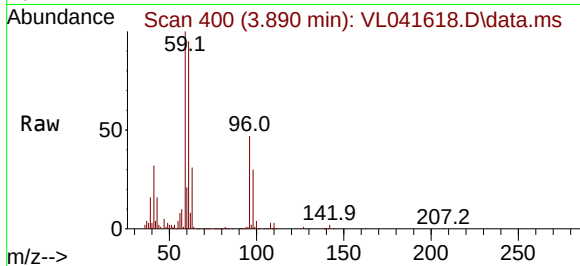




#17
tert-Butyl alcohol
Concen: 10.217 ppbv
RT: 3.890 min Scan# 401
Delta R.T. 0.039 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

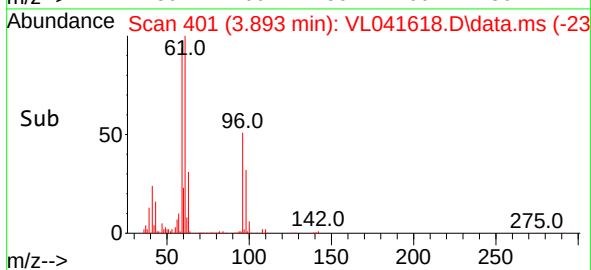
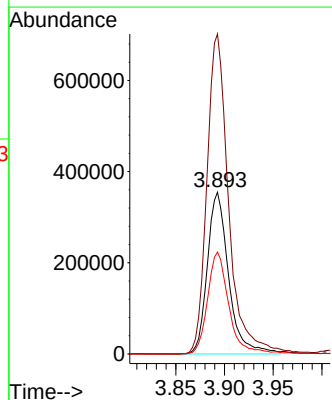
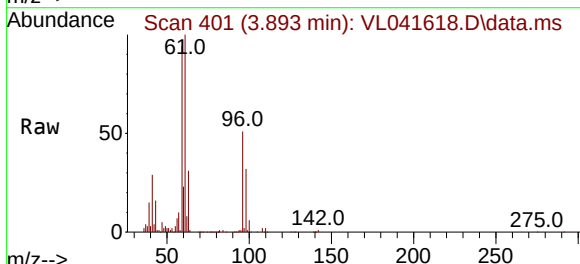
Instrument :
MSVOA_L
ClientSampleId :

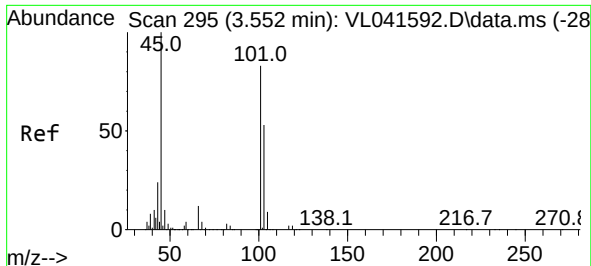
Tgt Ion: 59 Resp: 1299830
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1



#18
1,1-Dichloroethene
Concen: 9.939 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.036 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 96 Resp: 539629
Ion Ratio Lower Upper
96 100
61 197.9 155.6 233.4
98 63.1 50.6 75.8





#19

Isopropyl Alcohol

Concen: 9.101 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.036 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

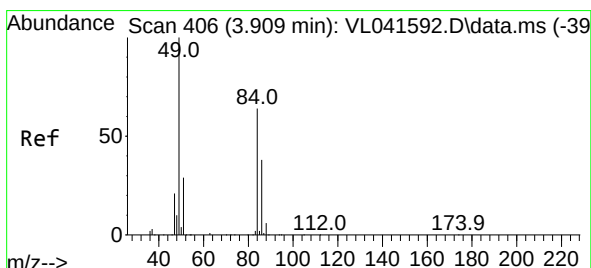
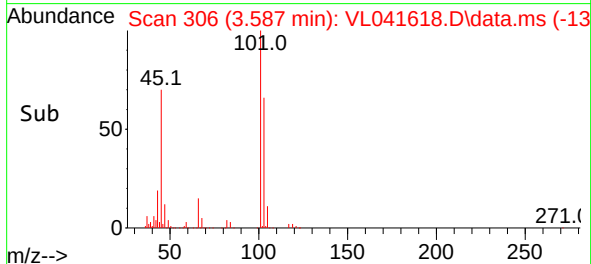
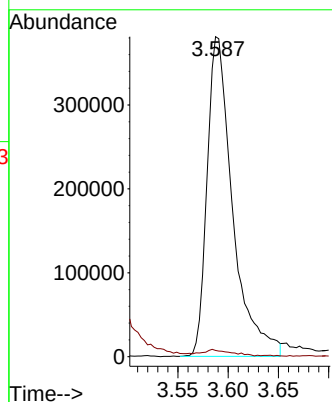
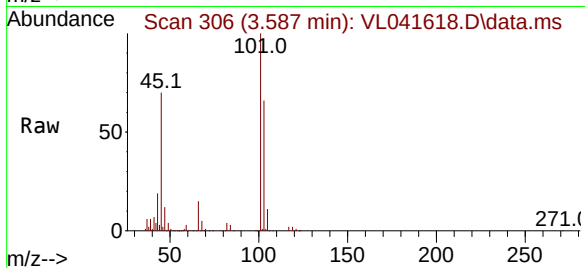
ClientSampleId :

Tgt Ion: 45 Resp: 673977

Ion Ratio Lower Upper

45 100

58 2.7 2.1 3.1



#20

Methylene Chloride

Concen: 8.185 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.035 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Tgt Ion: 84 Resp: 444842

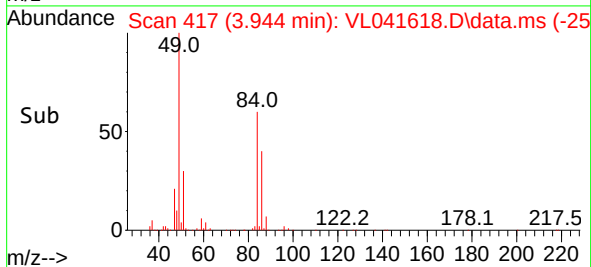
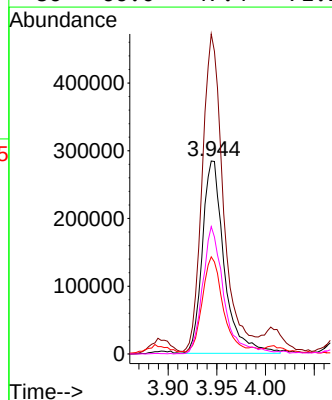
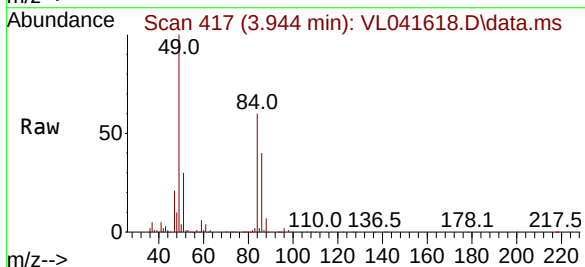
Ion Ratio Lower Upper

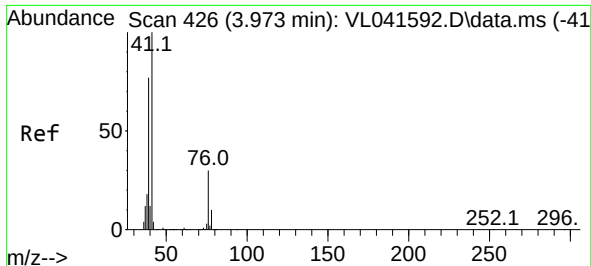
84 100

49 164.8 124.3 186.5

51 49.4 36.3 54.5

86 66.0 47.4 71.2





#21

Allyl Chloride

Concen: 10.165 ppbv

RT: 4.009 min Scan# 41

Delta R.T. 0.036 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

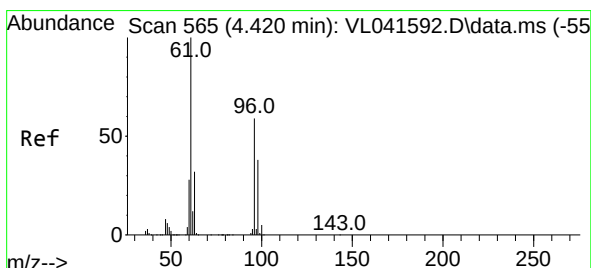
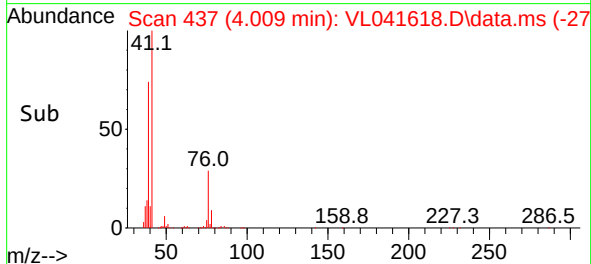
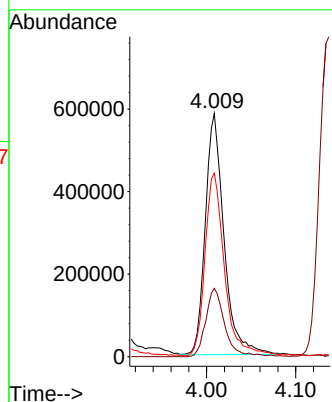
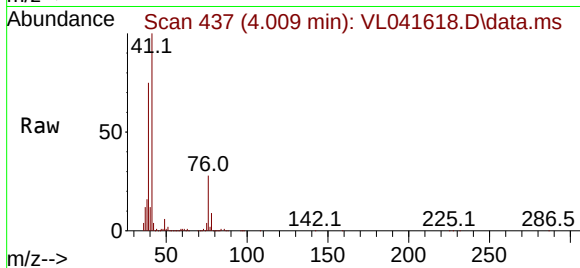
Tgt Ion: 41 Resp: 852298

Ion Ratio Lower Upper

41 100

76 28.9 23.8 35.6

39 79.4 63.9 95.9



#22

trans-1,2-Dichloroethene

Concen: 9.853 ppbv

RT: 4.455 min Scan# 576

Delta R.T. 0.035 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

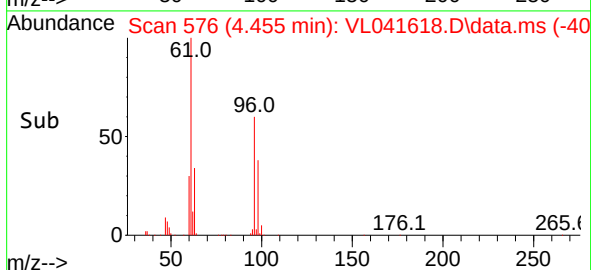
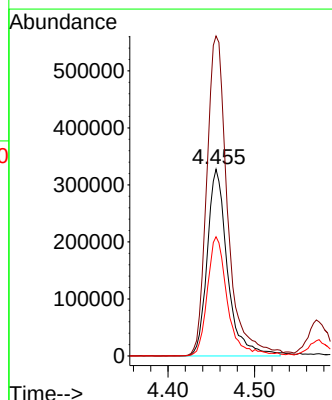
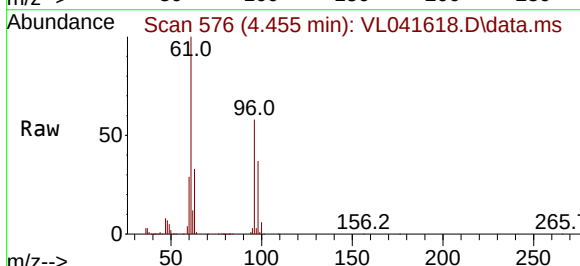
Tgt Ion: 96 Resp: 533639

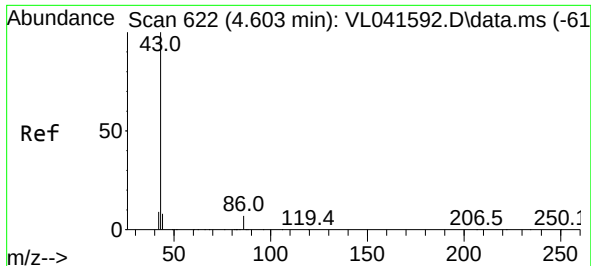
Ion Ratio Lower Upper

96 100

61 171.3 135.7 203.5

98 63.8 50.9 76.3

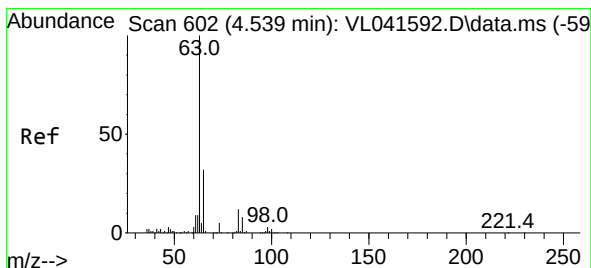
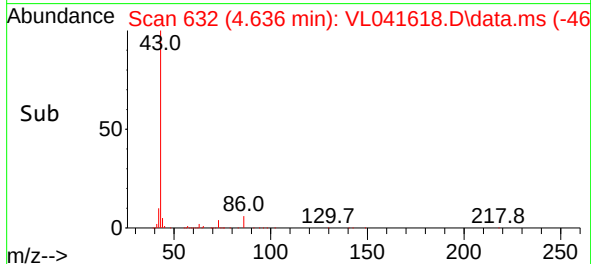
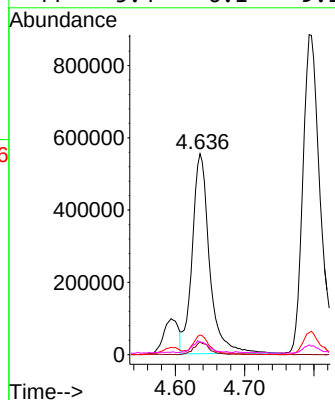
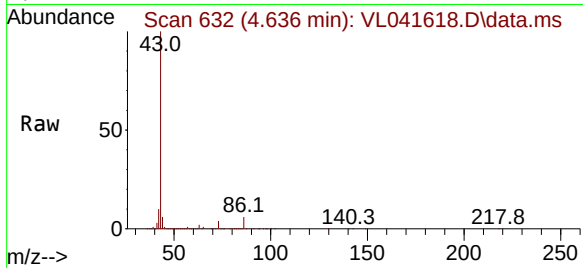




#23
 Vinyl Acetate
 Concen: 12.044 ppbv
 RT: 4.636 min Scan# 612
 Delta R.T. 0.032 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

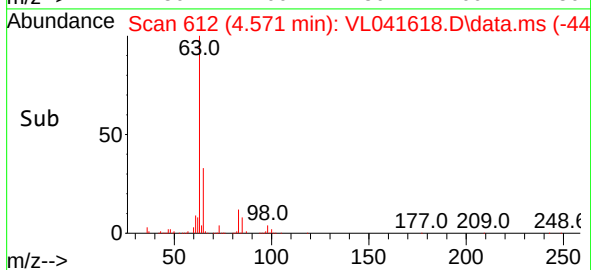
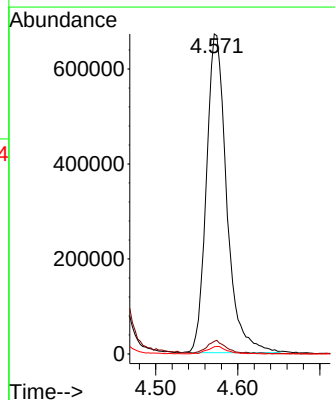
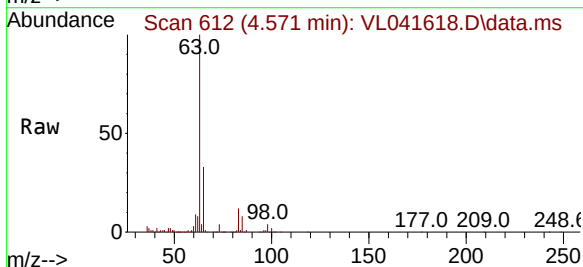
Instrument :
 MSVOA_L
 ClientSampleId :

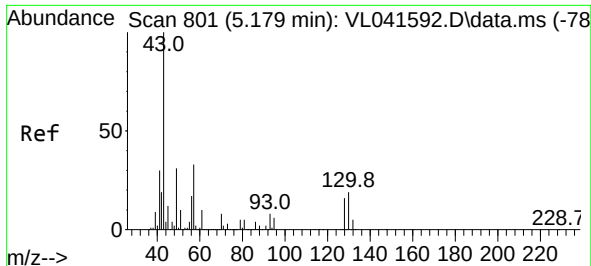
Tgt Ion: 43 Resp: 958367
 Ion Ratio Lower Upper
 43 100
 86 6.4 4.9 7.3
 42 9.7 8.0 12.0
 44 5.4 6.1 9.1#



#24
 1,1-Dichloroethane
 Concen: 9.638 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.032 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

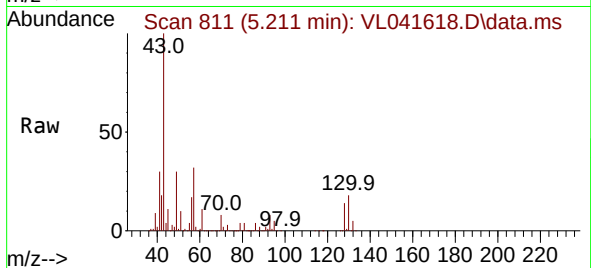
Tgt Ion: 63 Resp: 1151135
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.7 5.1
 100 2.2 1.1 3.3





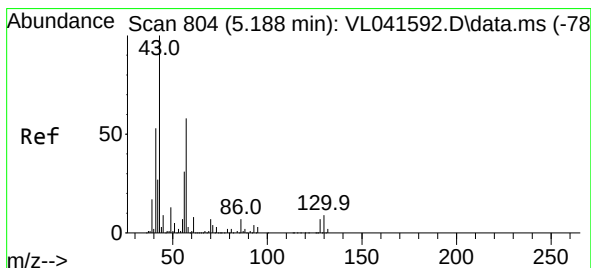
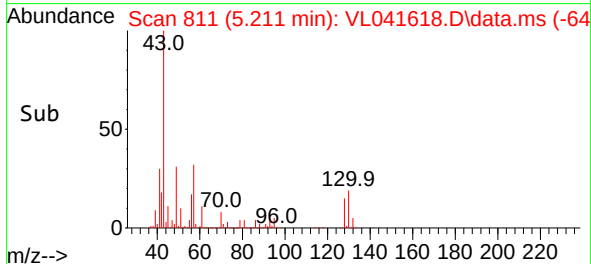
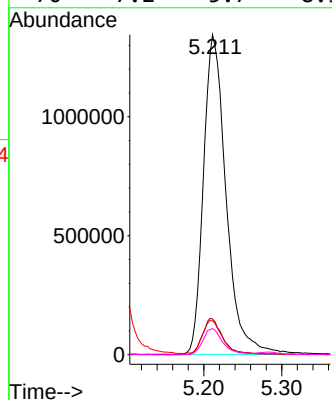
#25
Ethyl Acetate
Concen: 10.413 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.032 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 2704409

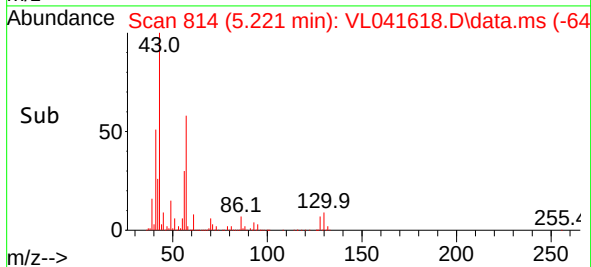
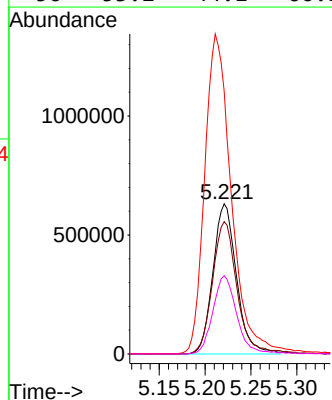
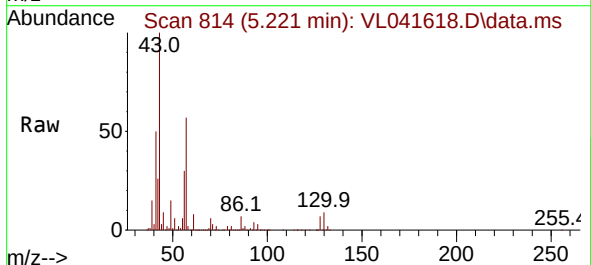
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.2
61	10.0	8.0	12.0
70	7.2	5.7	8.5

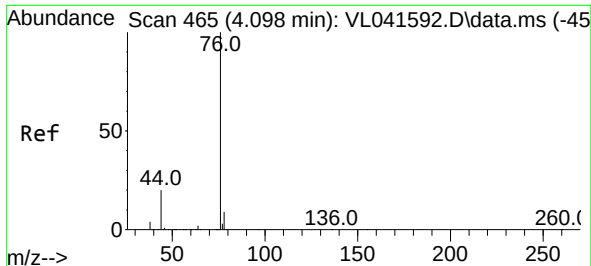


#26
Hexane
Concen: 10.390 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.032 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 57 Resp: 1125342

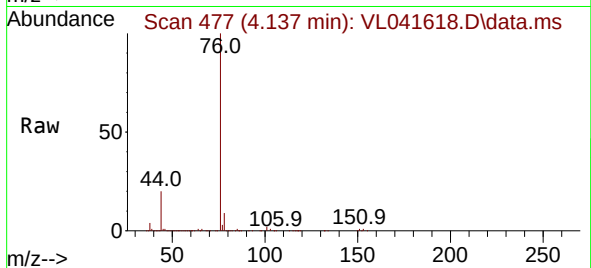
Ion	Ratio	Lower	Upper
57	100		
41	92.7	75.7	113.5
43	242.5	198.5	297.7
56	53.2	44.1	66.1





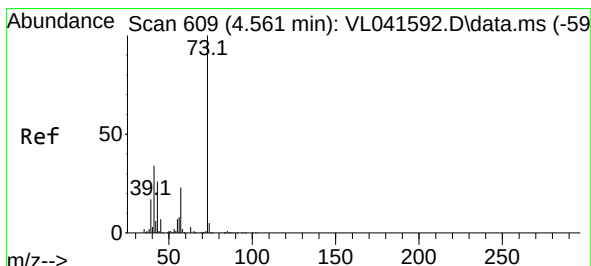
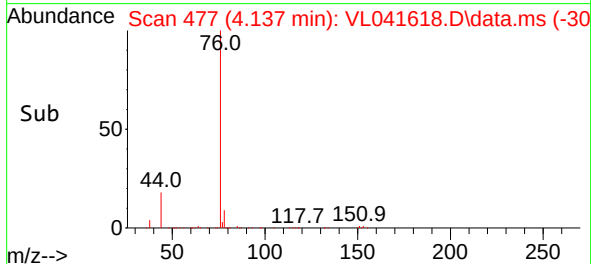
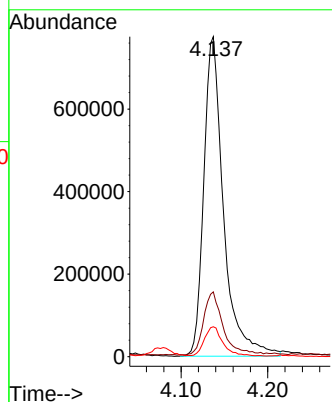
#27
Carbon Disulfide
Concen: 10.661 ppbv
RT: 4.137 min Scan# 41
Delta R.T. 0.039 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 76 Resp: 1227462

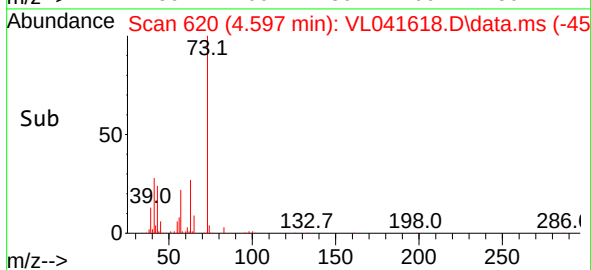
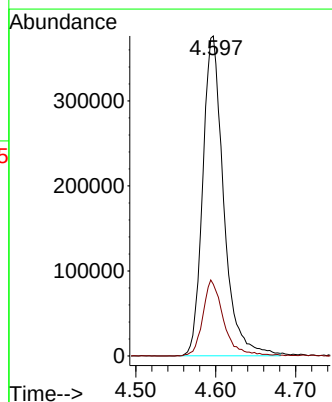
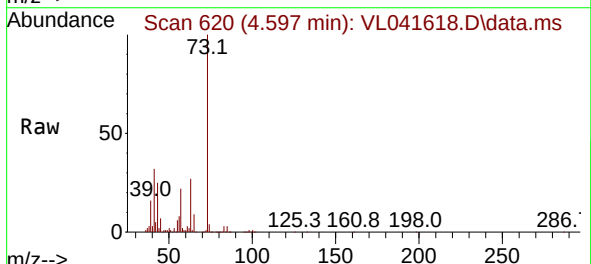
Ion	Ratio	Lower	Upper
76	100		
44	21.3	15.8	23.8
78	9.2	7.5	11.3

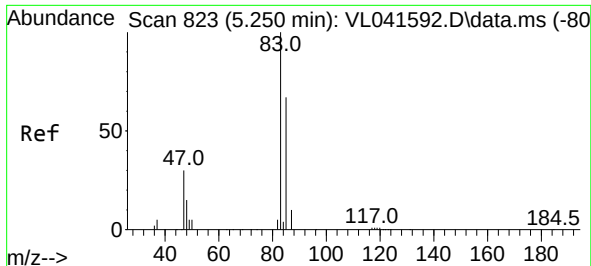


#28
Methyl tert-Butyl Ether
Concen: 10.283 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.036 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 73 Resp: 686625

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9





#29

Chloroform

Concen: 9.483 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.032 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

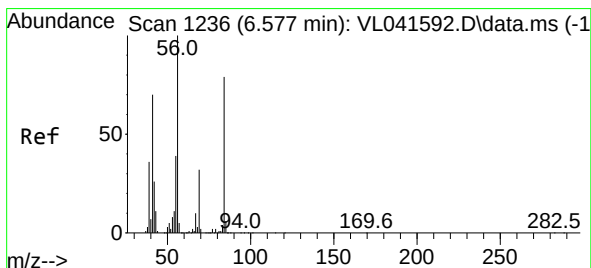
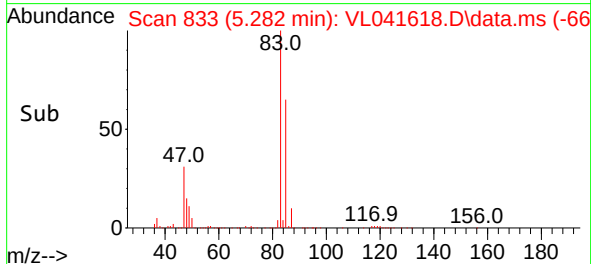
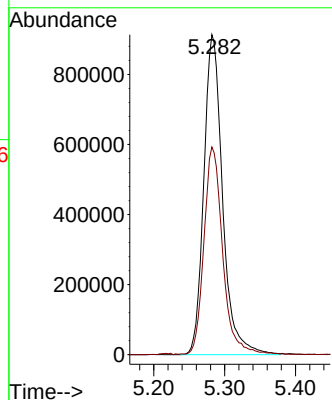
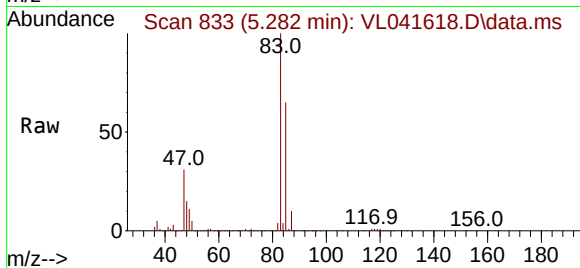
ClientSampleId :

Tgt Ion: 83 Resp: 1680809

Ion Ratio Lower Upper

83 100

85 64.7 53.8 80.6



#30

Cyclohexane

Concen: 11.367 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.032 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

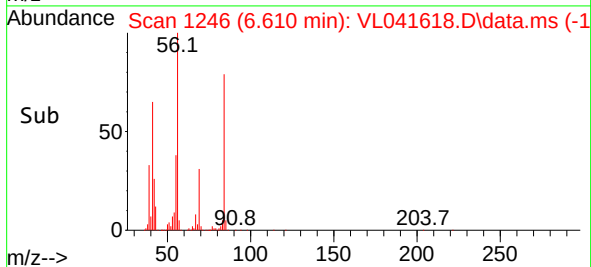
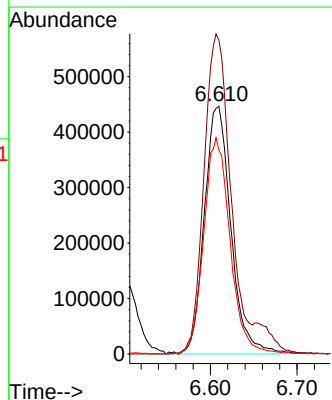
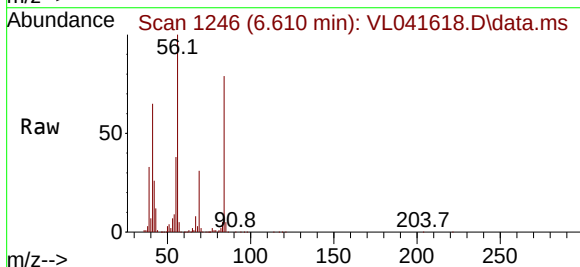
Tgt Ion: 84 Resp: 949020

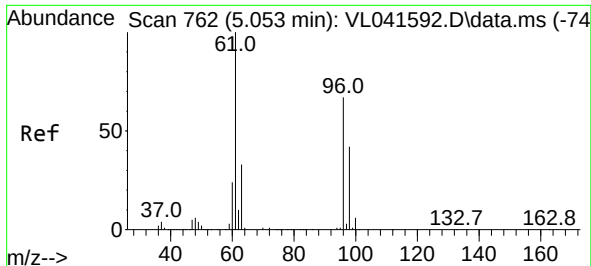
Ion Ratio Lower Upper

84 100

56 137.5 111.5 167.3

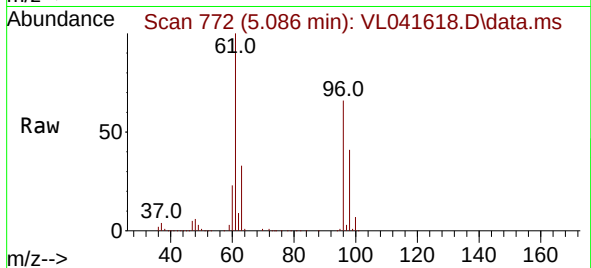
41 86.8 70.9 106.3





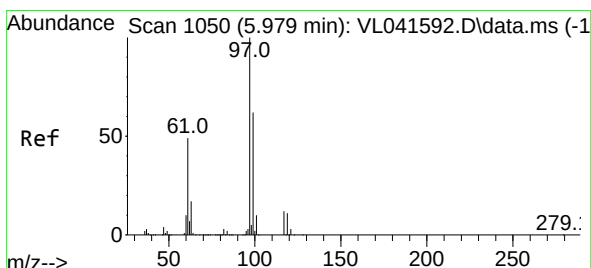
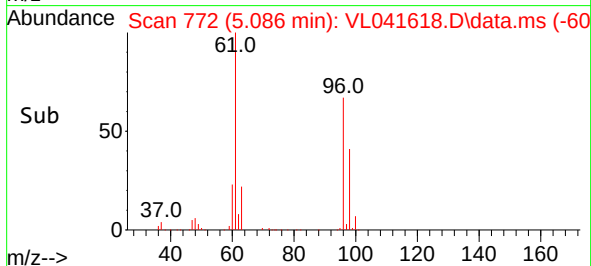
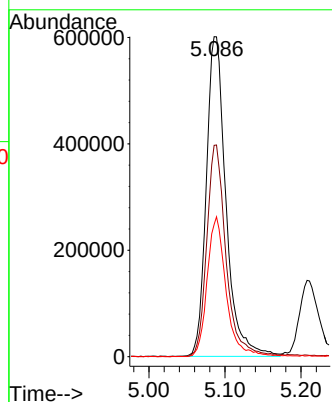
#31
 cis-1,2-Dichloroethene
 Concen: 10.496 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.032 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 61 Resp: 1079209

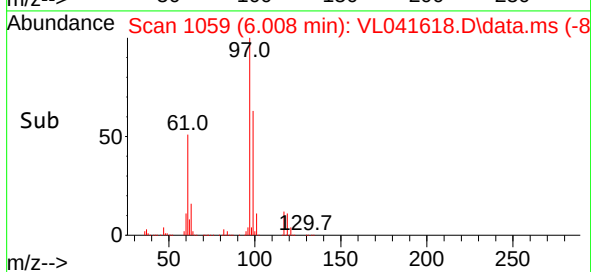
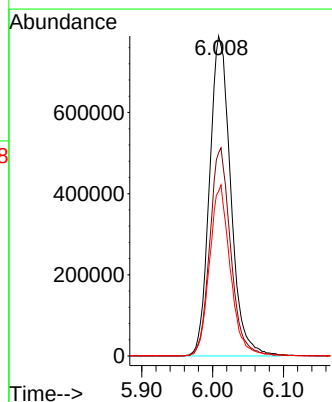
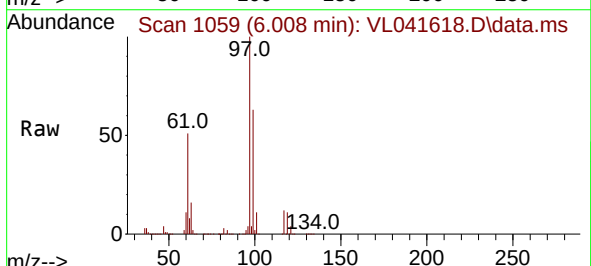
Ion	Ratio	Lower	Upper
61	100		
96	66.0	53.5	80.3
98	41.3	33.7	50.5

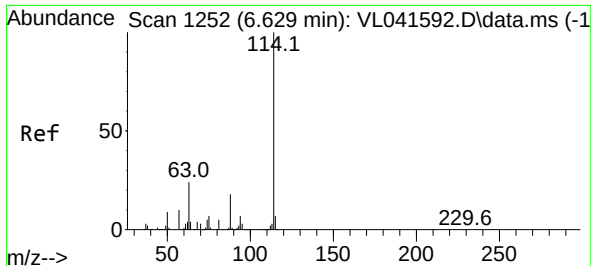


#32
 1,1,1-Trichloroethane
 Concen: 10.373 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. 0.029 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

Tgt Ion: 97 Resp: 1637446

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	52.4	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.029 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

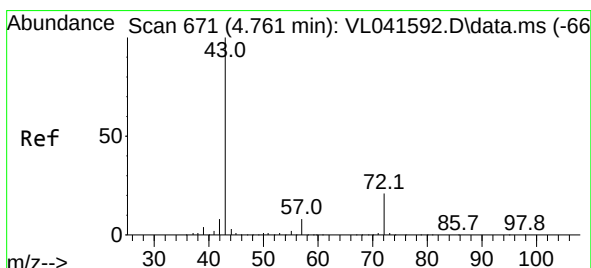
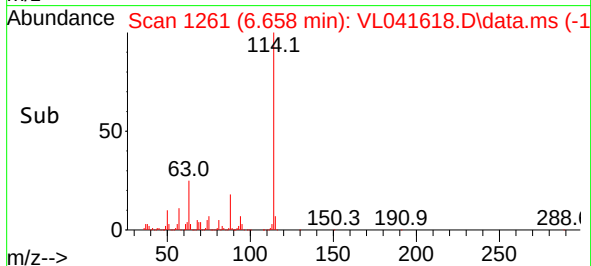
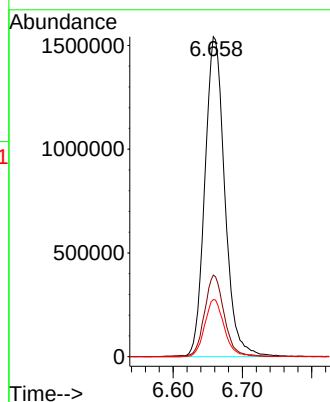
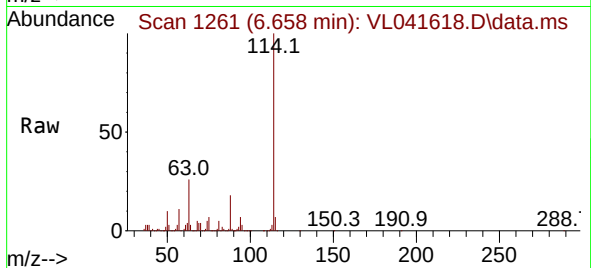
Tgt Ion:114 Resp: 3074502

Ion Ratio Lower Upper

114 100

63 25.6 20.2 30.2

88 17.7 14.2 21.4



#34

2-Butanone

Concen: 10.749 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.032 min

Lab File: VL041618.D

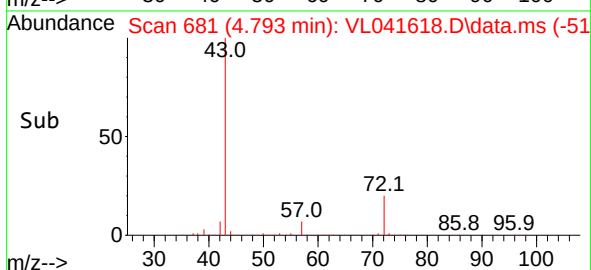
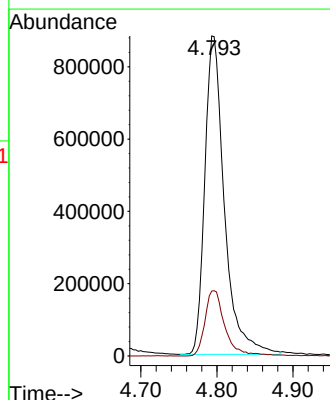
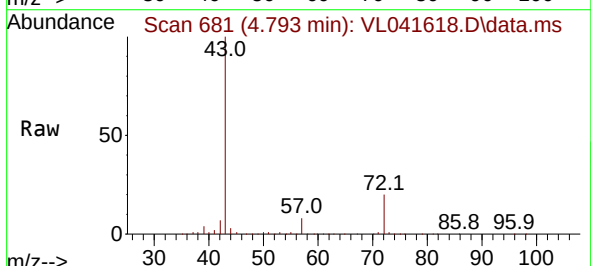
Acq: 18 Sep 2024 22:44

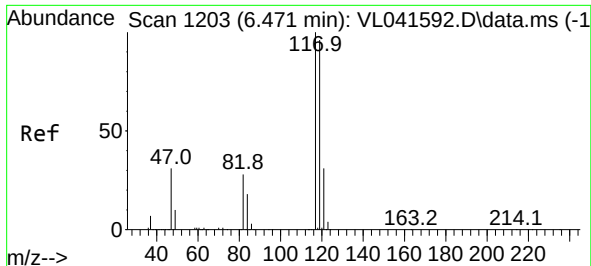
Tgt Ion: 43 Resp: 1575782

Ion Ratio Lower Upper

43 100

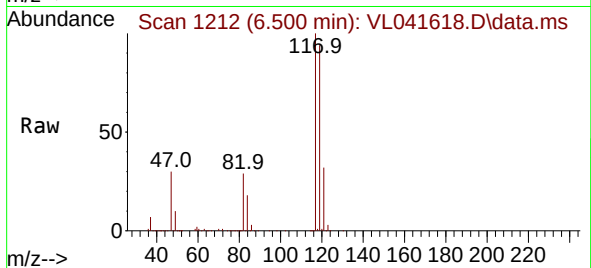
72 21.2 16.8 25.2





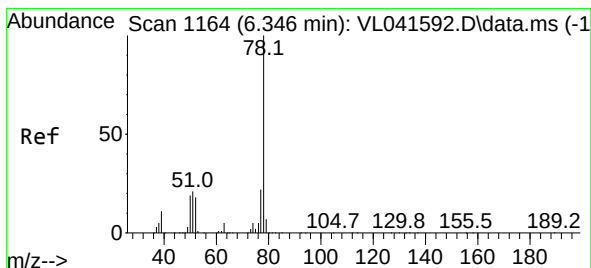
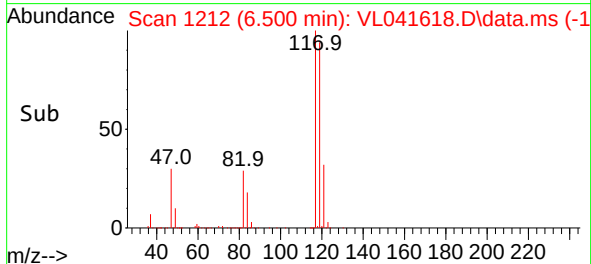
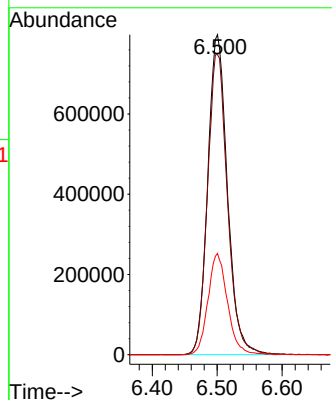
#35
Carbon Tetrachloride
Concen: 11.126 ppbv
RT: 6.500 min Scan# 1174
Delta R.T. 0.029 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 1678377

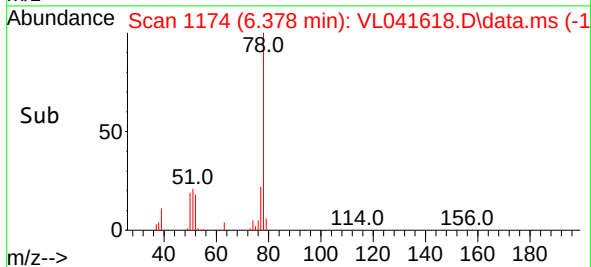
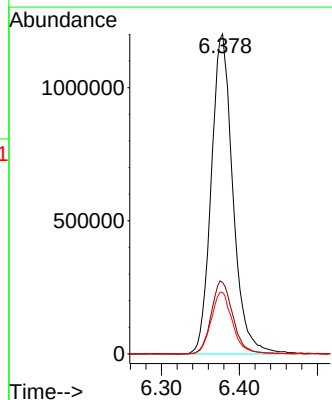
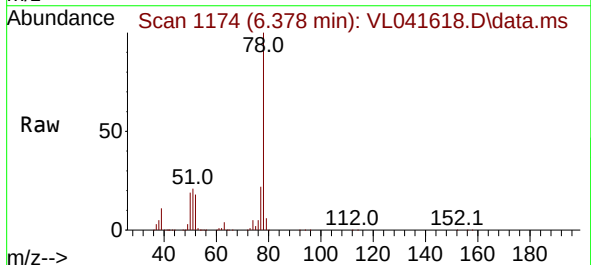
Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.8	115.2
121	31.6	25.0	37.6

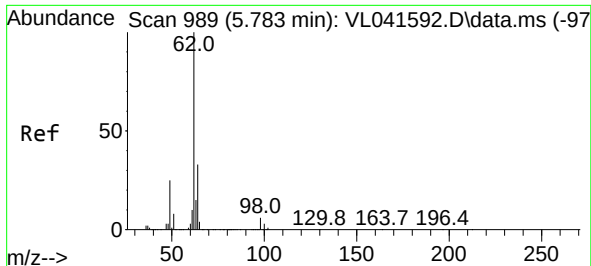


#36
Benzene
Concen: 10.845 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.032 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 78 Resp: 2315643

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.8	26.6
50	19.2	15.4	23.0





#37

1,2-Dichloroethane

Concen: 10.162 ppbv

RT: 5.812 min Scan# 98

Delta R.T. 0.029 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

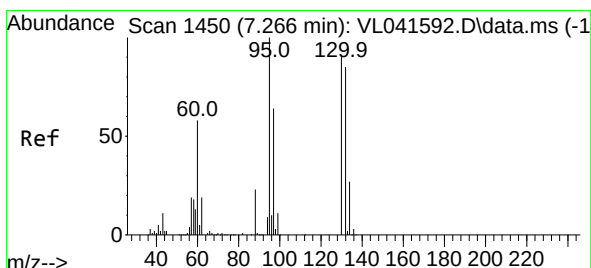
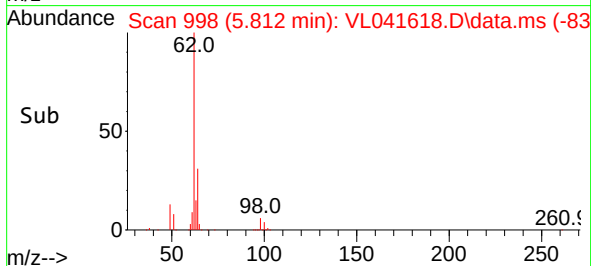
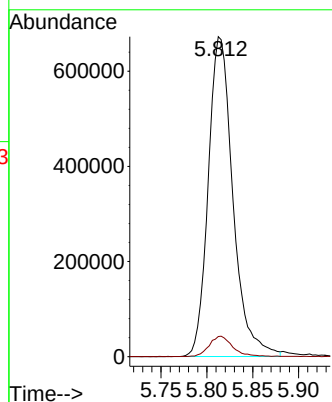
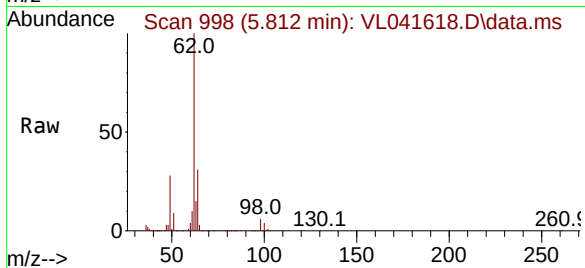
ClientSampleId :

Tgt Ion: 62 Resp: 1258966

Ion Ratio Lower Upper

62 100

98 6.4 4.8 7.2



#38

Trichloroethene

Concen: 10.274 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.032 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Tgt Ion:130 Resp: 1129681

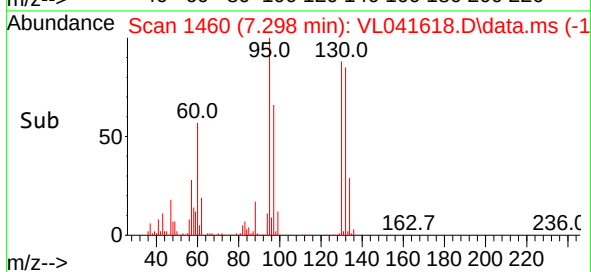
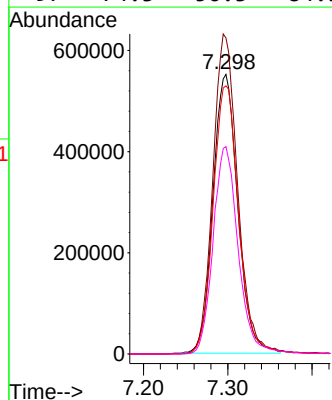
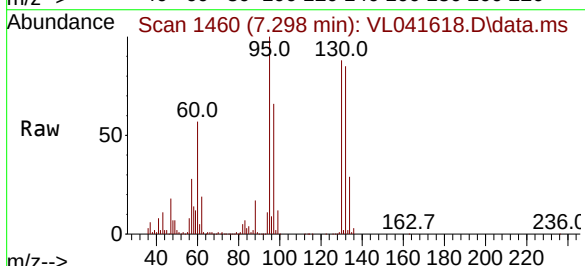
Ion Ratio Lower Upper

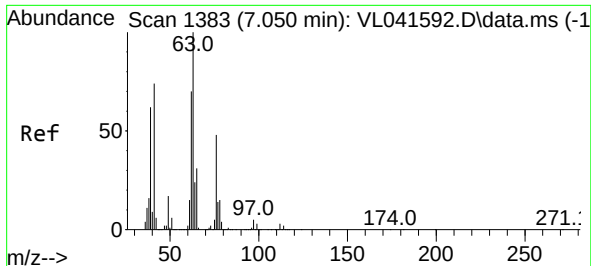
130 100

95 113.3 87.7 131.5

132 96.1 74.5 111.7

97 74.3 56.3 84.5





#39

1,2-Dichloropropane

Concen: 10.447 ppbv

RT: 7.079 min Scan# 1

Delta R.T. 0.029 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

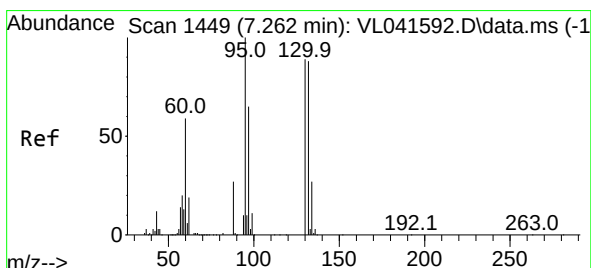
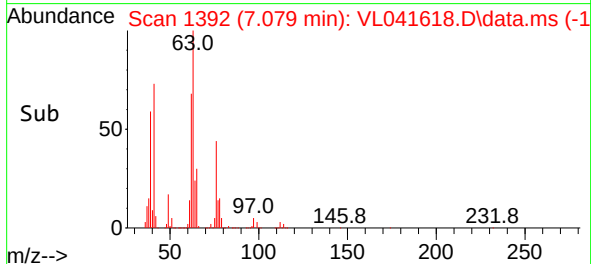
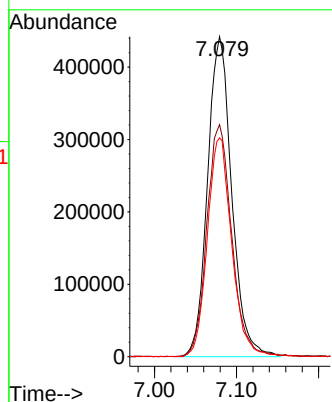
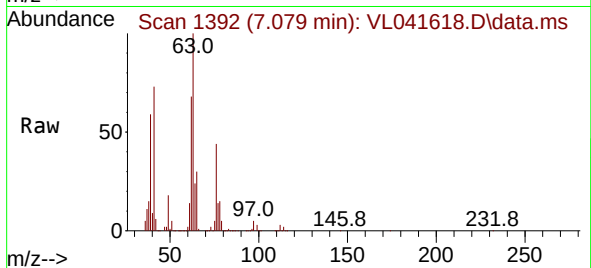
Tgt Ion: 63 Resp: 907502

Ion Ratio Lower Upper

63 100

41 72.3 59.5 89.3

62 68.3 56.2 84.2



#40

1,4-Dioxane

Concen: 7.944 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.032 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Tgt Ion: 88 Resp: 260119

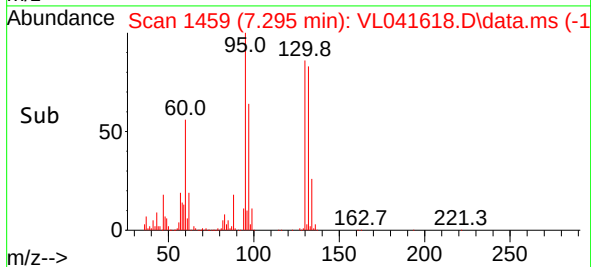
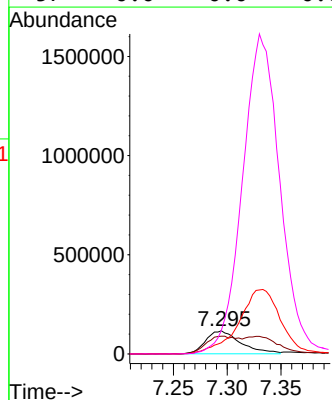
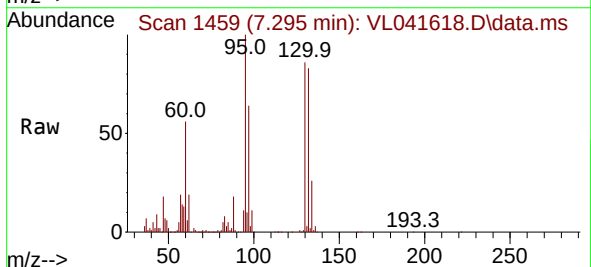
Ion Ratio Lower Upper

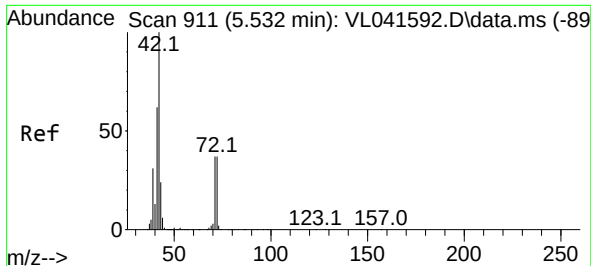
88 100

58 73.8 100.2 150.4#

43 0.0 0.0 0.0

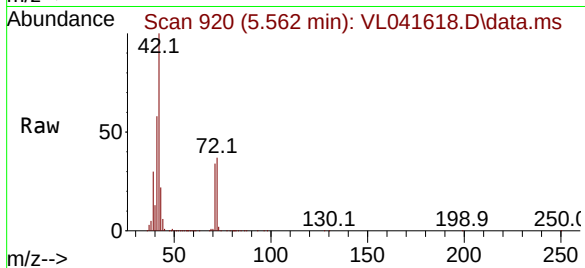
57 0.0 0.0 0.0



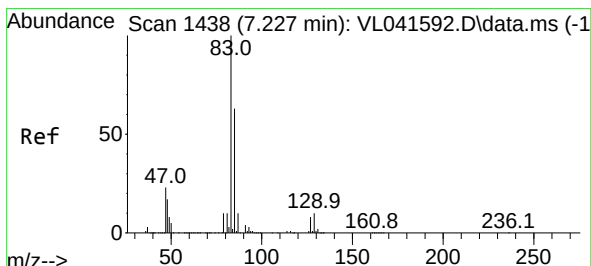
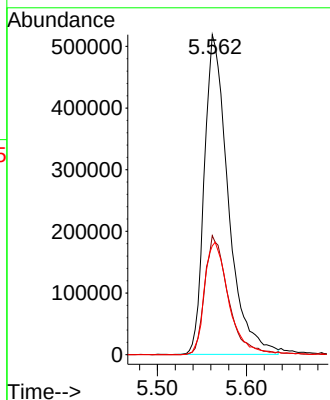
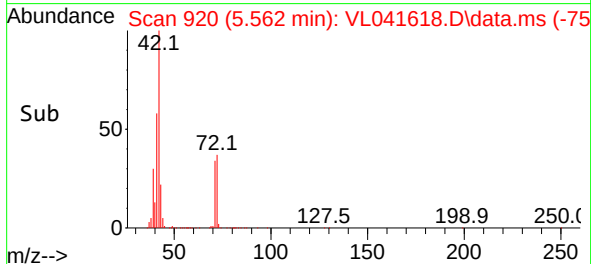


#41
Tetrahydrofuran
Concen: 11.970 ppbv
RT: 5.562 min Scan# 911
Delta R.T. 0.029 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

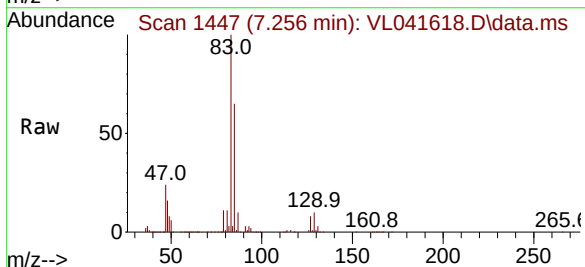
Instrument :
MSVOA_L
ClientSampleId :



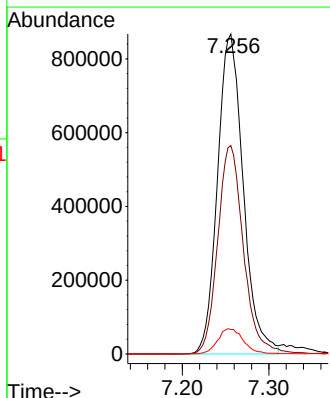
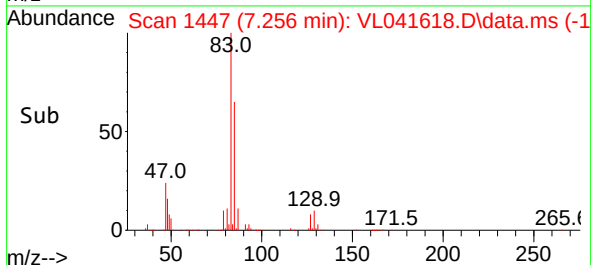
Tgt Ion: 42 Resp: 965725
Ion Ratio Lower Upper
42 100
72 37.1 30.2 45.2
71 36.4 29.6 44.4

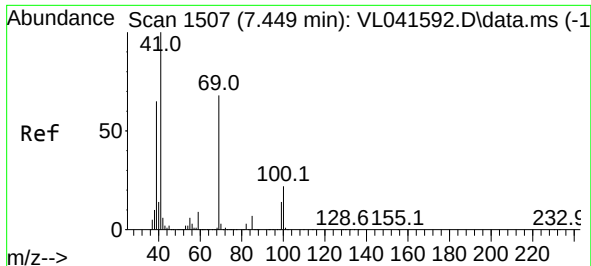


#42
Bromodichloromethane
Concen: 10.383 ppbv
RT: 7.256 min Scan# 1447
Delta R.T. 0.029 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44



Tgt Ion: 83 Resp: 1789648
Ion Ratio Lower Upper
83 100
85 65.1 50.5 75.7
127 7.7 6.5 9.7

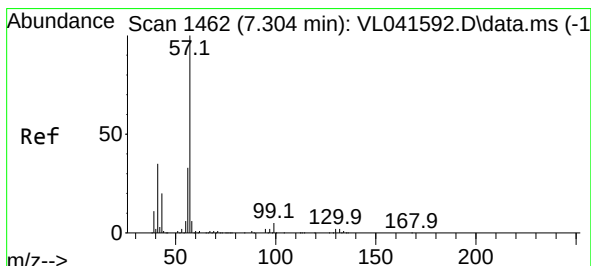
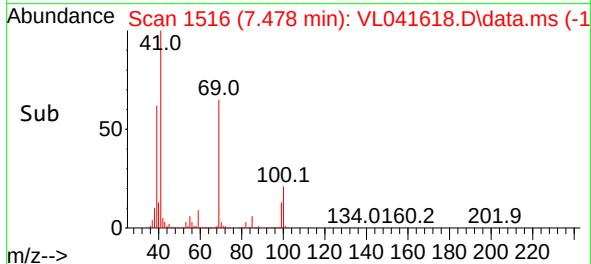
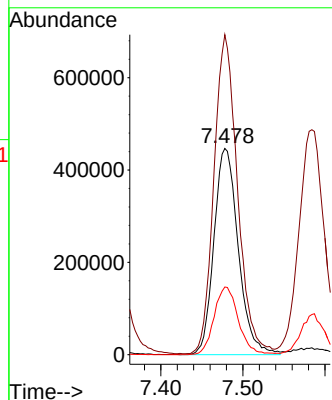
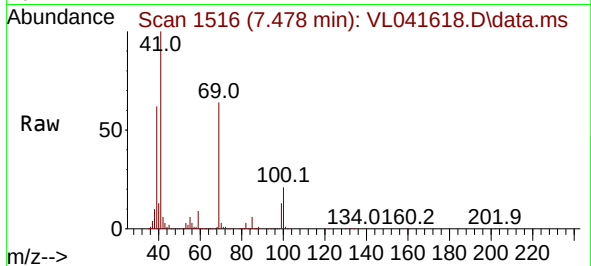




#43
Methyl Methacrylate
Concen: 12.076 ppbv
RT: 7.478 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

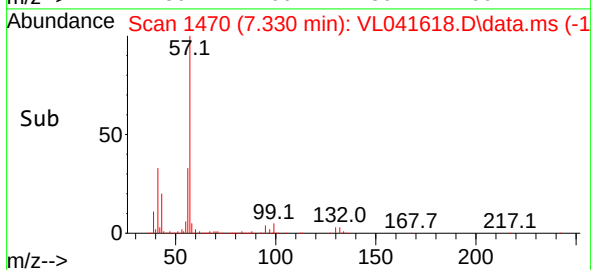
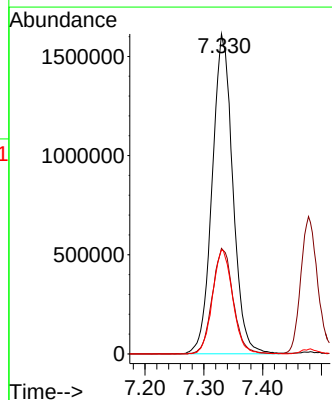
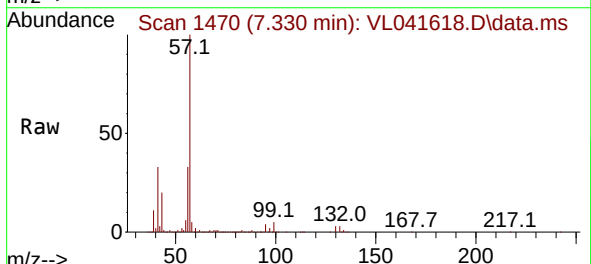
Instrument :
MSVOA_L
ClientSampleId :

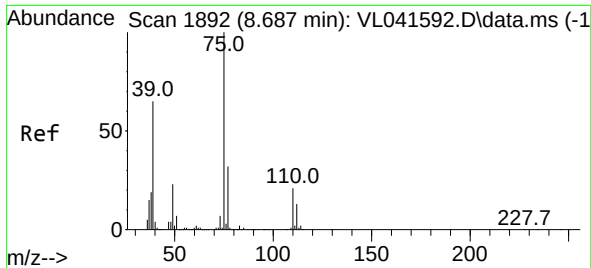
Tgt Ion: 69 Resp: 922711
Ion Ratio Lower Upper
69 100
41 150.5 121.8 182.6
100 32.7 26.5 39.7



#44
2,2,4-Trimethylpentane
Concen: 10.628 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.026 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 57 Resp: 3926123
Ion Ratio Lower Upper
57 100
41 33.4 27.0 40.6
56 32.0 25.5 38.3

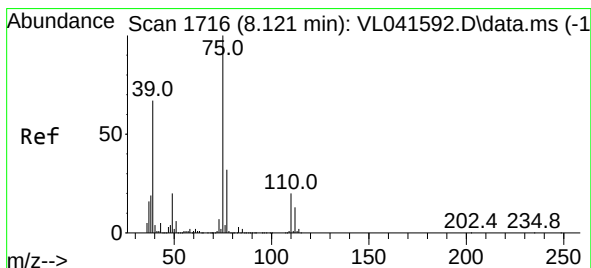
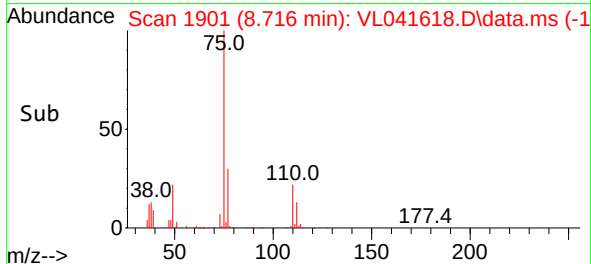
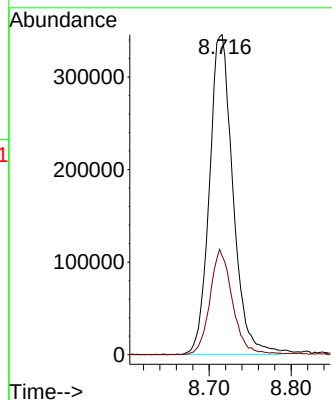
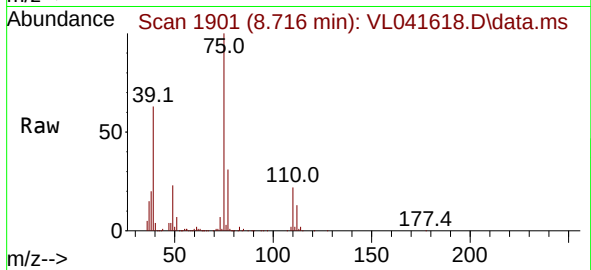




#45
 t-1,3-Dichloropropene
 Concen: 11.170 ppbv
 RT: 8.716 min Scan# 1901
 Delta R.T. 0.029 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

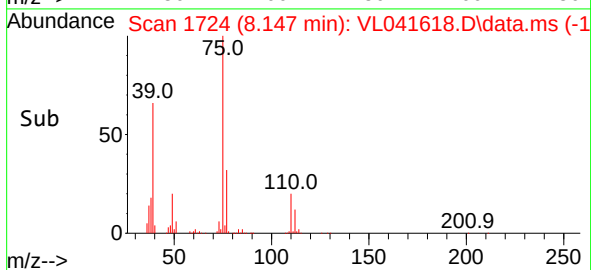
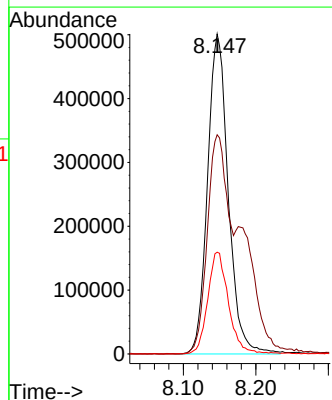
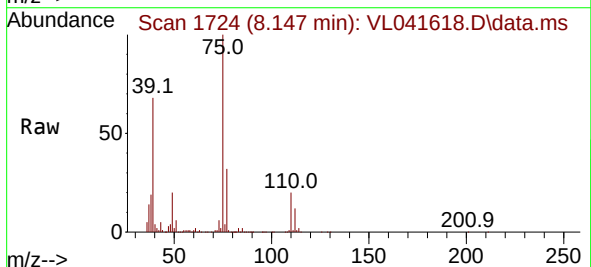
Instrument :
 MSVOA_L
 ClientSampleId :

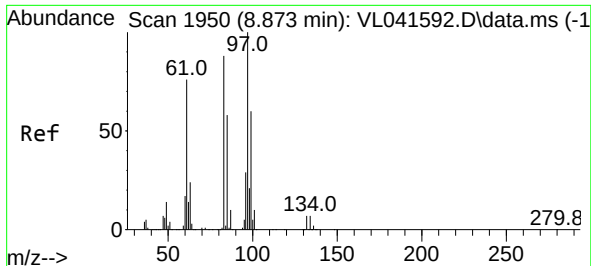
Tgt Ion: 75 Resp: 688144
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.0



#46
 cis-1,3-Dichloropropene
 Concen: 11.018 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.026 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

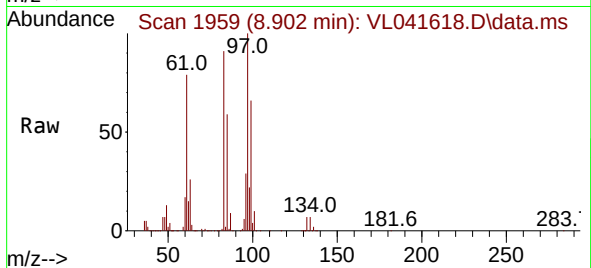
Tgt Ion: 75 Resp: 994376
 Ion Ratio Lower Upper
 75 100
 39 68.4 54.0 81.0
 77 31.8 25.2 37.8





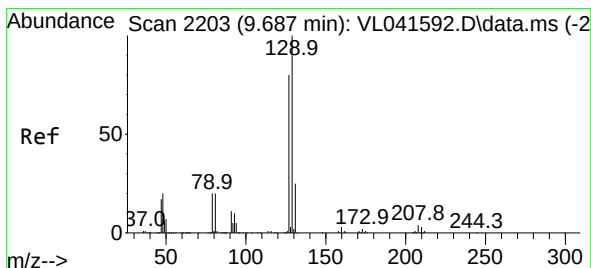
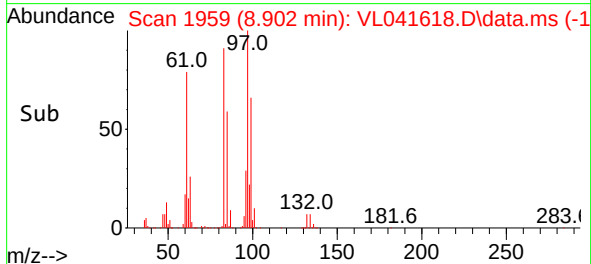
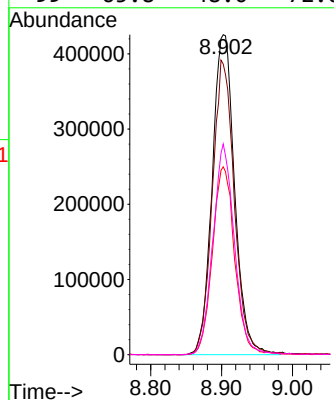
#47
1,1,2-Trichloroethane
Concen: 10.146 ppbv
RT: 8.902 min Scan# 1950
Delta R.T. 0.029 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 97 Resp: 935752

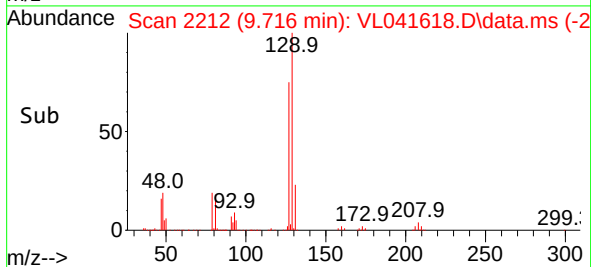
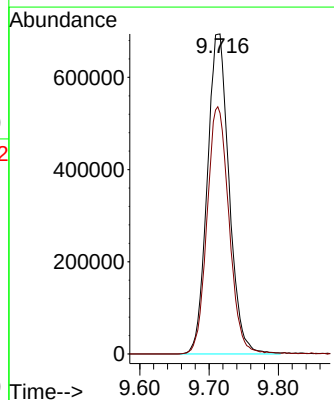
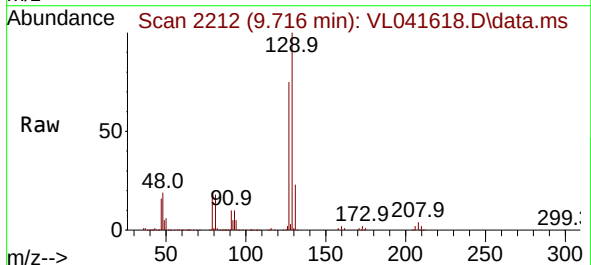
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.2	105.4
85	58.7	46.3	69.5
99	65.8	48.0	72.0

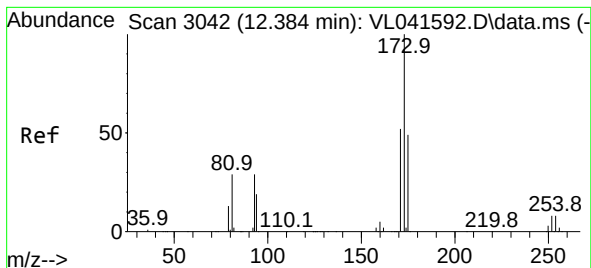


#48
Dibromochloromethane
Concen: 10.850 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. 0.029 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 129 Resp: 1516194

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.9





#49

Bromoform

Concen: 10.782 ppbv

RT: 12.407 min Scan# 3042

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

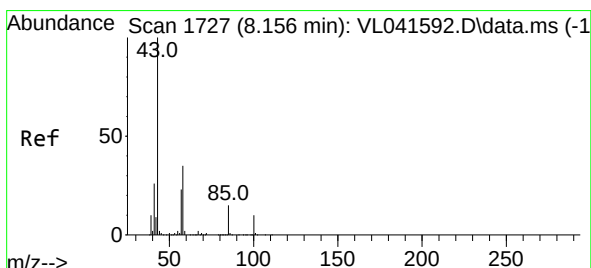
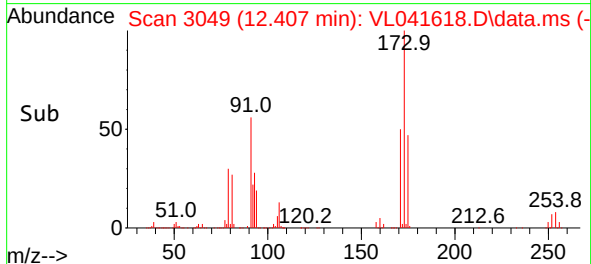
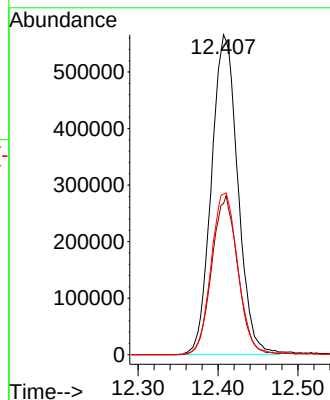
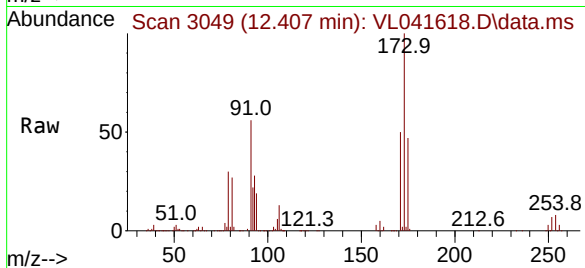
Tgt Ion:173 Resp: 1293333

Ion Ratio Lower Upper

173 100

175 49.2 40.1 60.1

171 52.1 42.2 63.4



#50

4-Methyl-2-Pentanone

Concen: 11.620 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.029 min

Lab File: VL041618.D

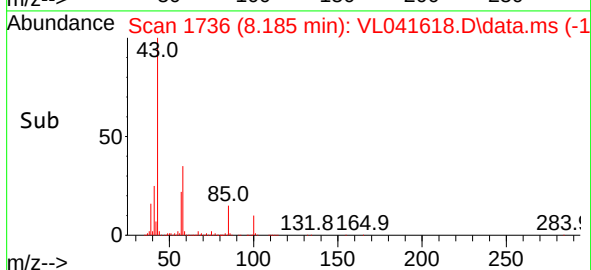
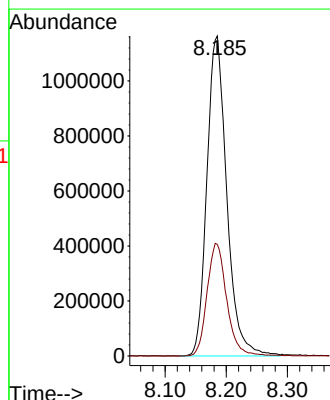
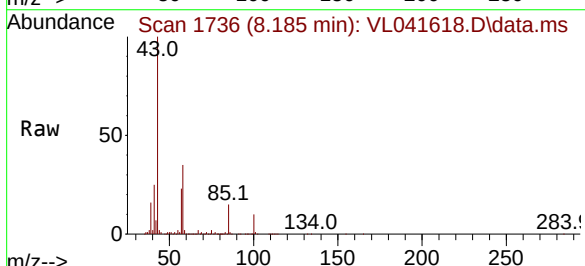
Acq: 18 Sep 2024 22:44

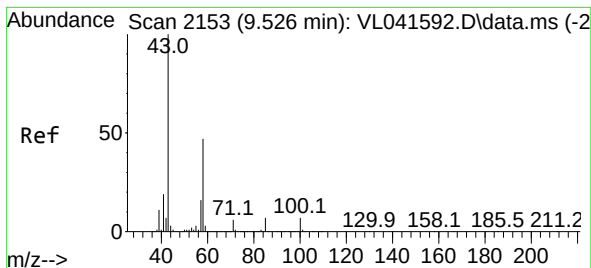
Tgt Ion: 43 Resp: 2630611

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.8





#51

2-Hexanone

Concen: 12.012 ppbv

RT: 9.552 min Scan# 2153

Delta R.T. 0.026 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

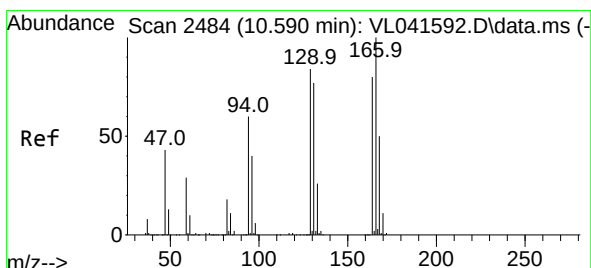
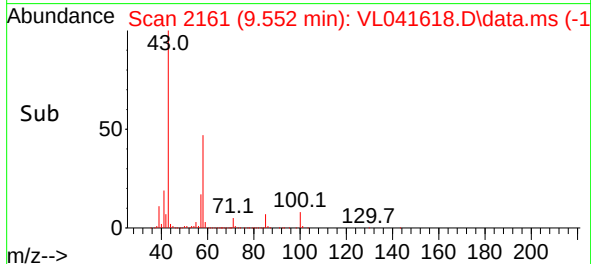
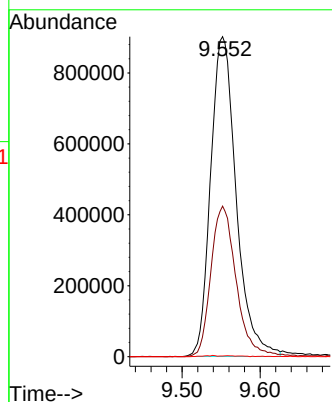
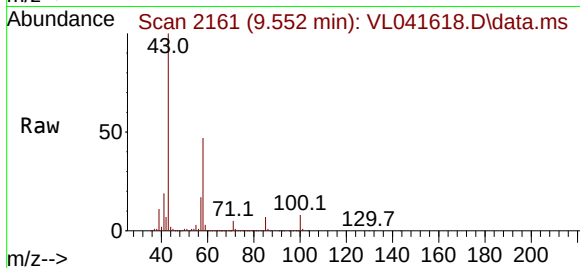
Tgt Ion: 43 Resp: 2057043

Ion Ratio Lower Upper

43 100

58 46.8 37.2 55.8

98 0.4 0.5 0.7#



#52

Tetrachloroethene

Concen: 10.918 ppbv

RT: 10.619 min Scan# 2493

Delta R.T. 0.029 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Tgt Ion:164 Resp: 844101

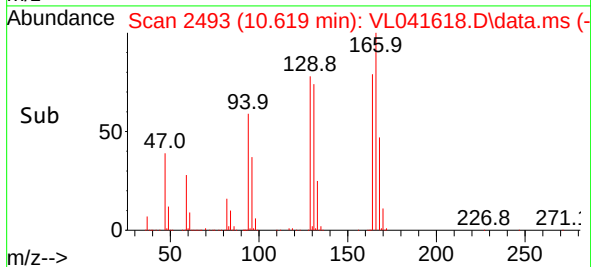
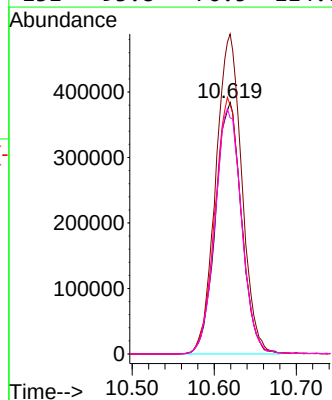
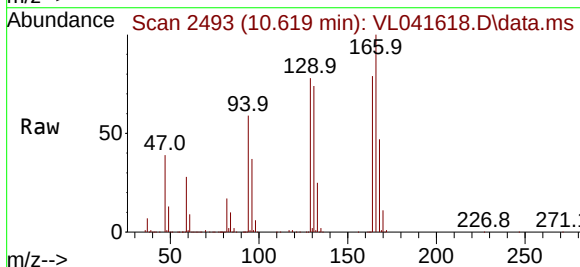
Ion Ratio Lower Upper

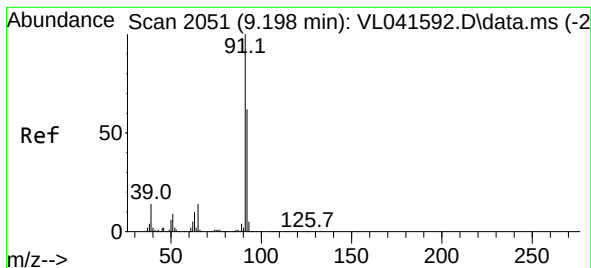
164 100

166 127.2 99.4 149.2

129 99.0 83.5 125.3

131 93.8 76.5 114.7





#53

Toluene

Concen: 11.660 ppbv

RT: 9.224 min Scan# 2051

Delta R.T. 0.026 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

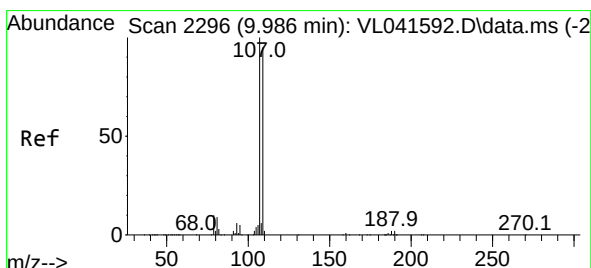
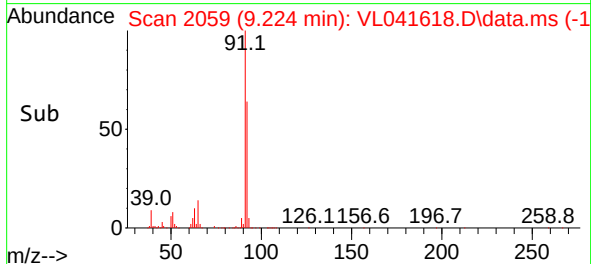
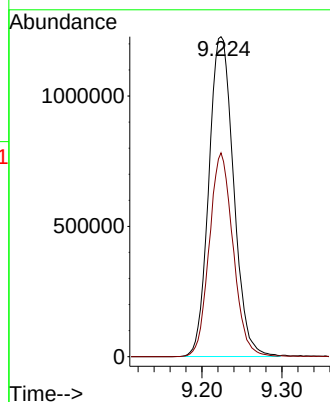
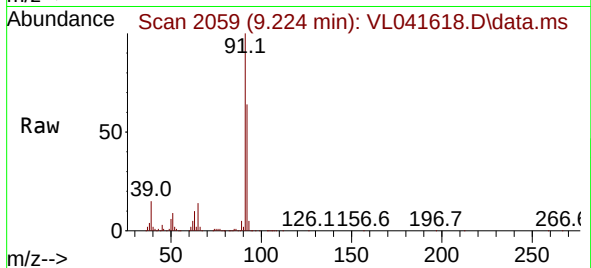
ClientSampleId :

Tgt Ion: 91 Resp: 2642864

Ion Ratio Lower Upper

91 100

92 61.5 48.9 73.3



#54

1,2-Dibromoethane

Concen: 11.033 ppbv

RT: 10.012 min Scan# 2304

Delta R.T. 0.026 min

Lab File: VL041618.D

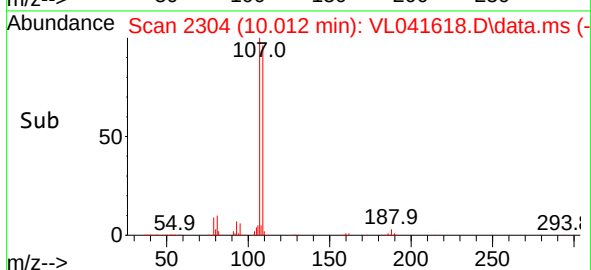
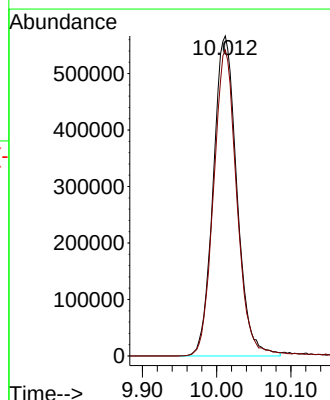
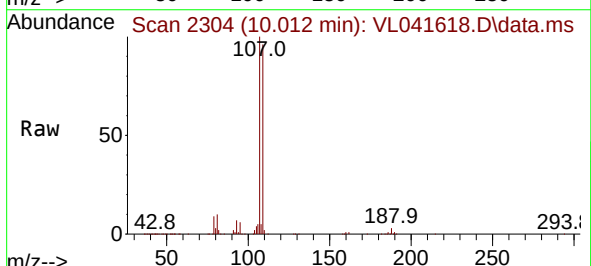
Acq: 18 Sep 2024 22:44

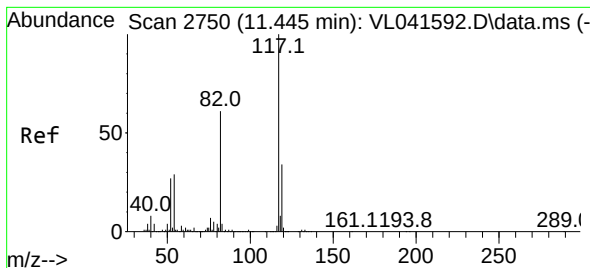
Tgt Ion: 107 Resp: 1253159

Ion Ratio Lower Upper

107 100

109 95.5 75.7 113.5

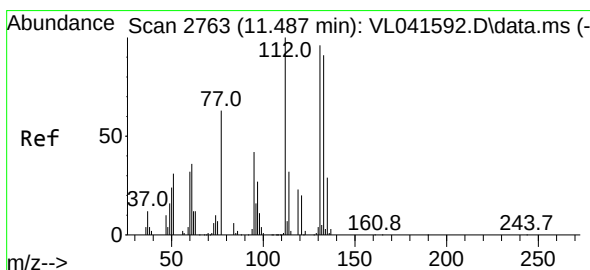
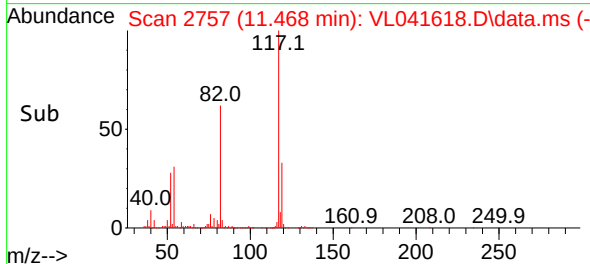
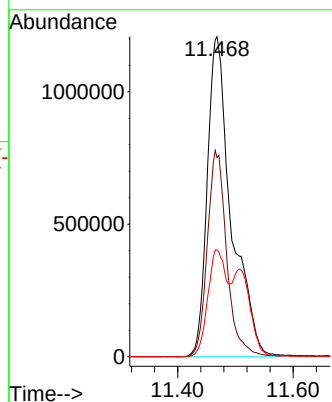
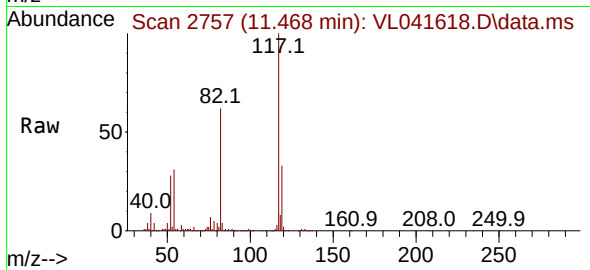




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.023 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

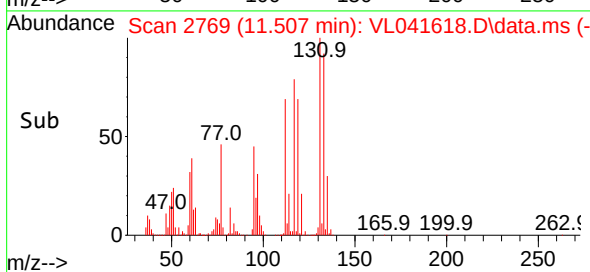
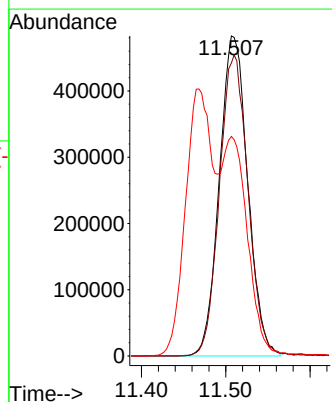
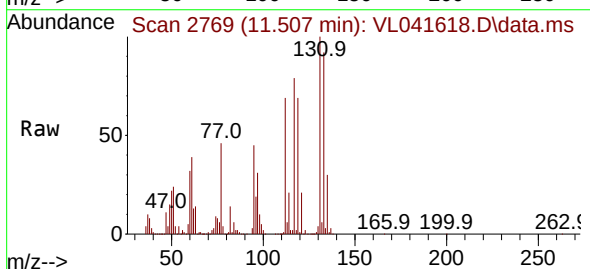
Instrument :
MSVOA_L
ClientSampleId :

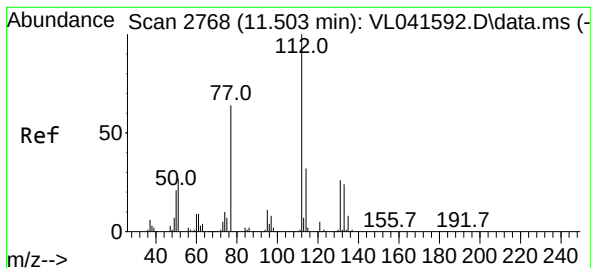
Tgt Ion:117 Resp: 3491413
Ion Ratio Lower Upper
117 100
82 52.3 49.4 74.2
119 28.1 24.4 36.6



#56
1,1,1,2-Tetrachloroethane
Concen: 8.271 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.019 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion:131 Resp: 1127447
Ion Ratio Lower Upper
131 100
133 94.9 76.6 115.0
119 62.3 48.5 72.7

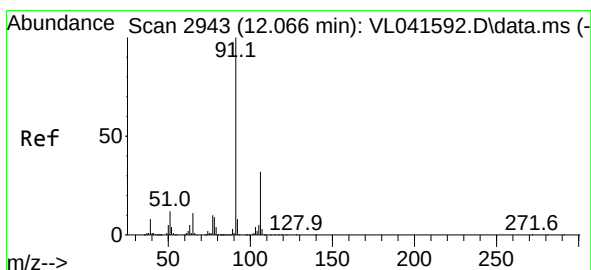
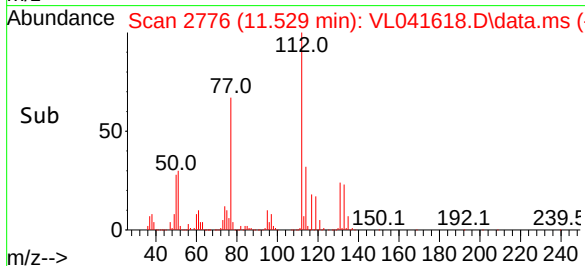
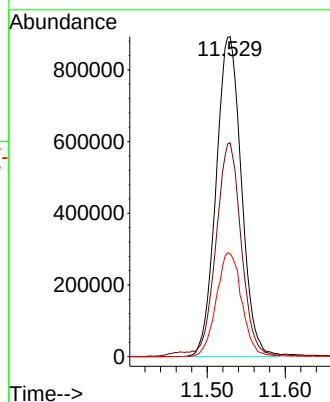
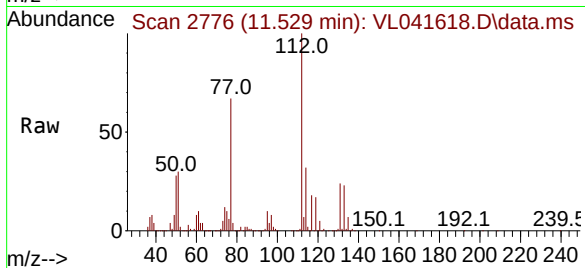




#57
Chlorobenzene
Concen: 8.006 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

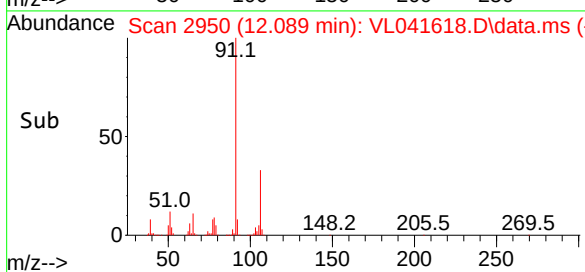
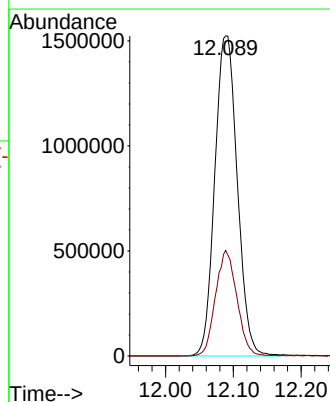
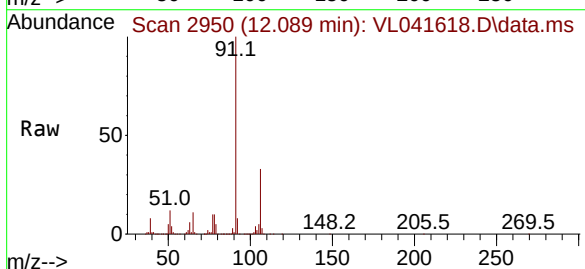
Instrument :
MSVOA_L
ClientSampleId :

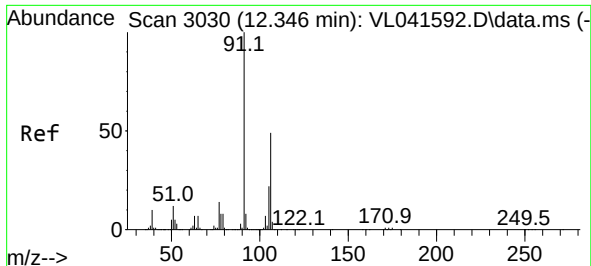
Tgt Ion:112 Resp: 2015460
Ion Ratio Lower Upper
112 100
77 66.3 52.0 78.0
114 32.2 28.6 35.0



#58
Ethyl Benzene
Concen: 9.395 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.023 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 91 Resp: 3511479
Ion Ratio Lower Upper
91 100
106 33.0 25.8 38.6





#59

m/p-Xylene

Concen: 9.322 ppbv

RT: 12.372 min Scan# 3030

Delta R.T. 0.026 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

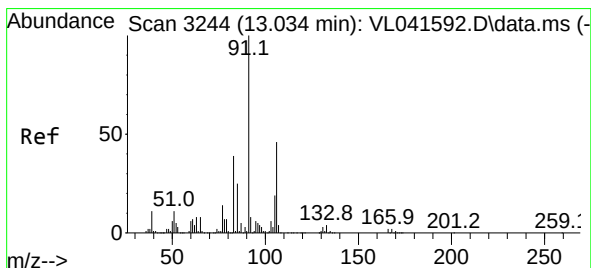
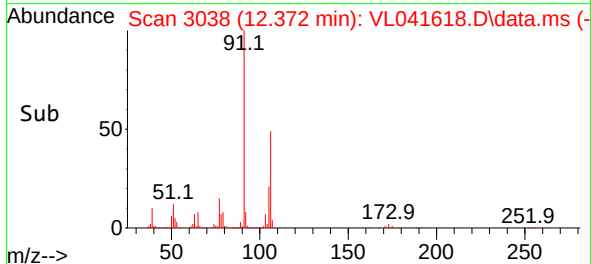
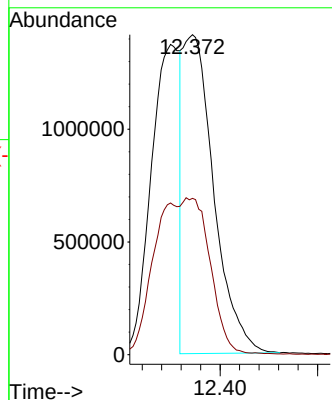
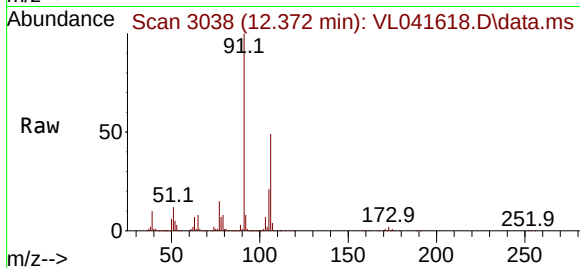
ClientSampleId :

Tgt Ion: 91 Resp: 3100885

Ion Ratio Lower Upper

91 100

106 88.1 36.8 55.2#



#60

o-Xylene

Concen: 8.980 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.026 min

Lab File: VL041618.D

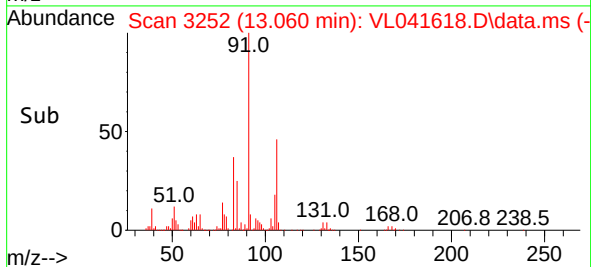
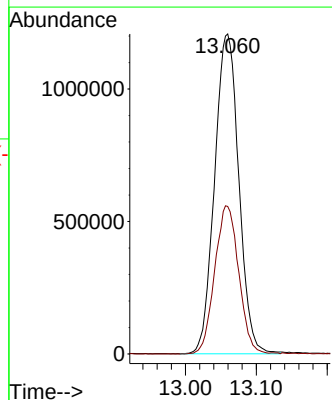
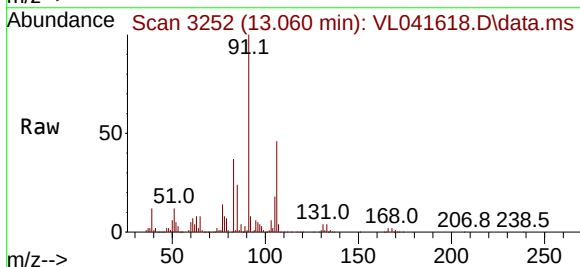
Acq: 18 Sep 2024 22:44

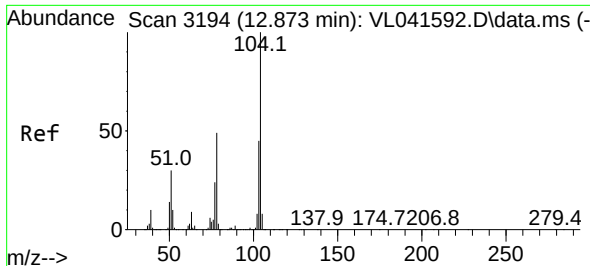
Tgt Ion: 91 Resp: 2864051

Ion Ratio Lower Upper

91 100

106 46.3 23.1 69.3

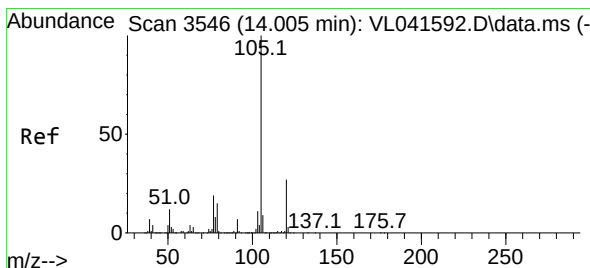
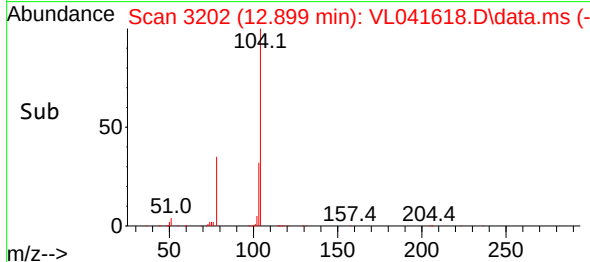
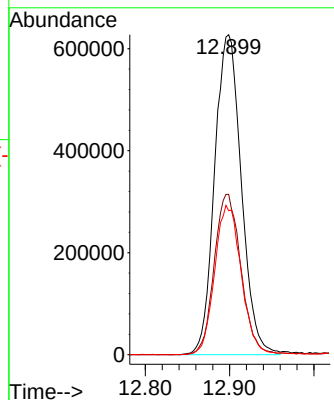
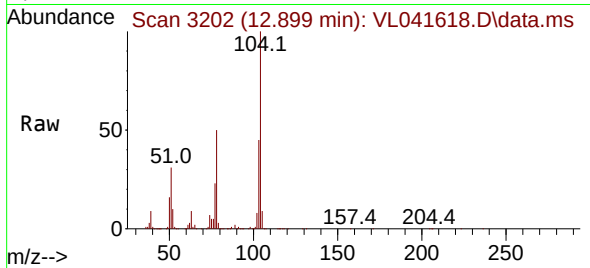




#61
Styrene
Concen: 10.359 ppbv
RT: 12.899 min Scan# 3194
Delta R.T. 0.026 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

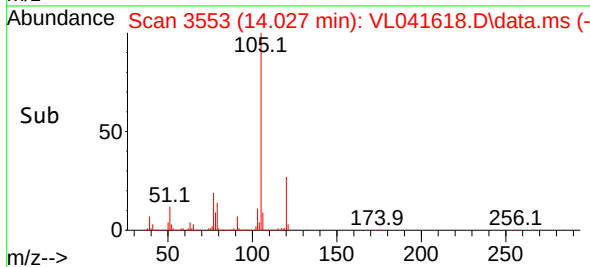
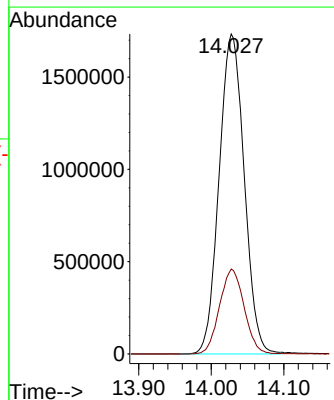
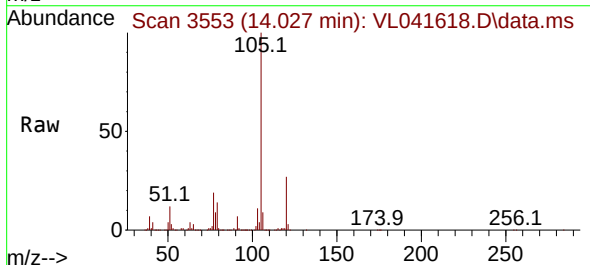
Instrument :
MSVOA_L
ClientSampleId :

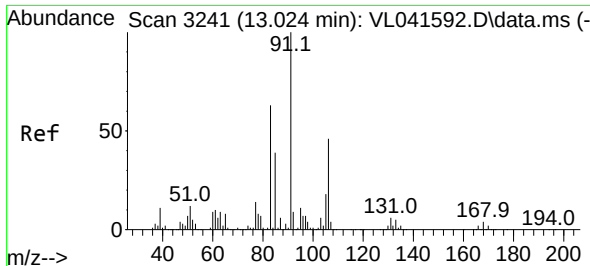
Tgt Ion:104 Resp: 1380260
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.6
103 46.9 37.4 56.0



#62
Isopropylbenzene
Concen: 8.623 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. 0.023 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion:105 Resp: 4166590
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3

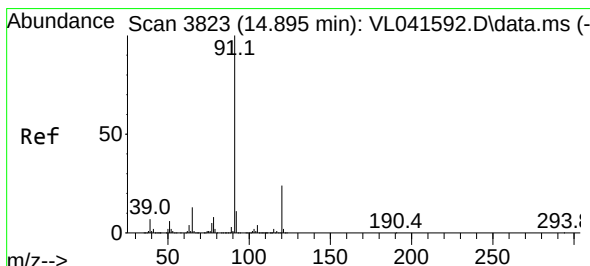
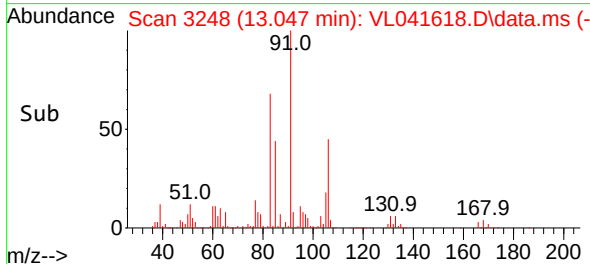
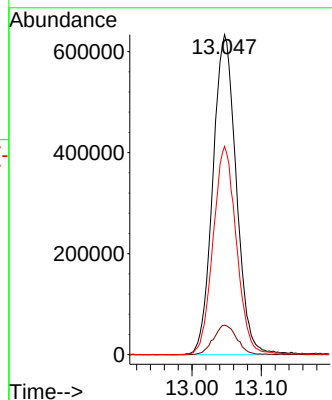
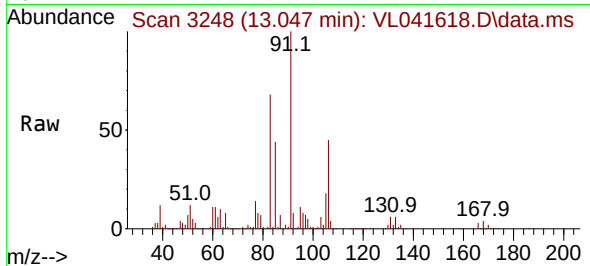




#63
1,1,2,2-Tetrachloroethane
Concen: 9.117 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

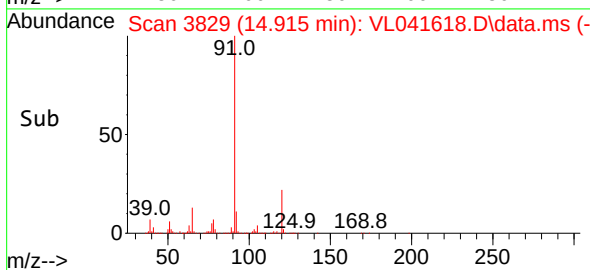
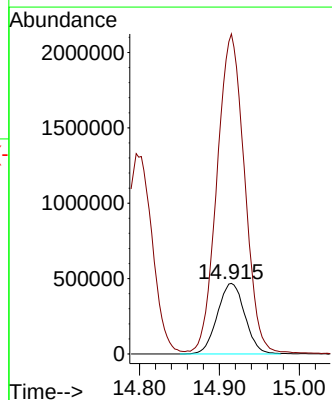
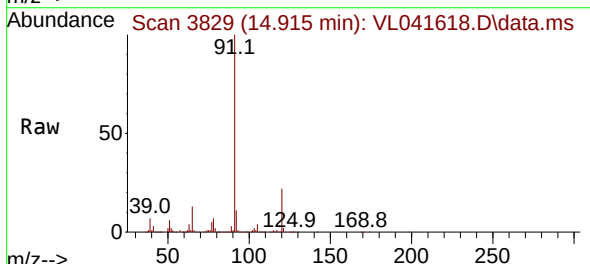
Instrument :
MSVOA_L
ClientSampleId :

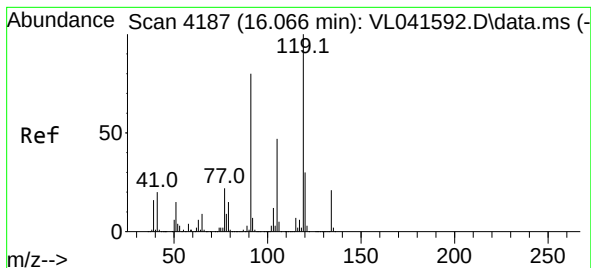
Tgt Ion: 83 Resp: 1486647
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 65.3 32.5 97.4



#64
n-propylbenzene
Concen: 8.938 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.019 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion:120 Resp: 1115340
Ion Ratio Lower Upper
120 100
91 457.1 366.4 549.6





#65

tert-Butylbenzene

Concen: 8.398 ppbv

RT: 16.085 min Scan# 4187

Delta R.T. 0.019 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

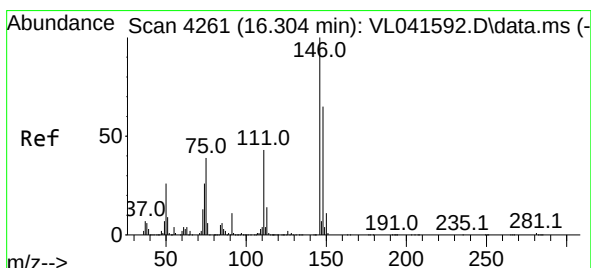
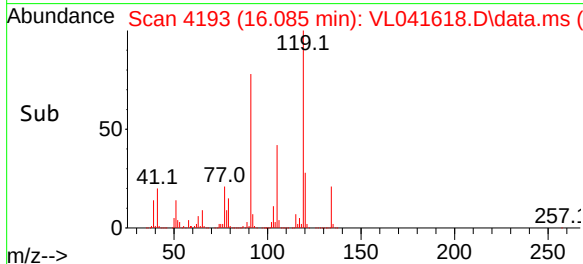
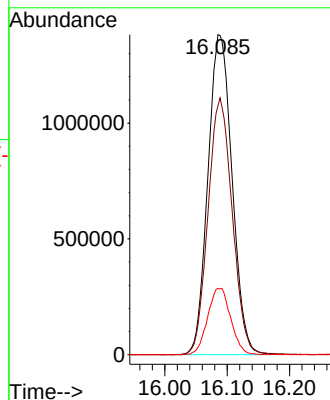
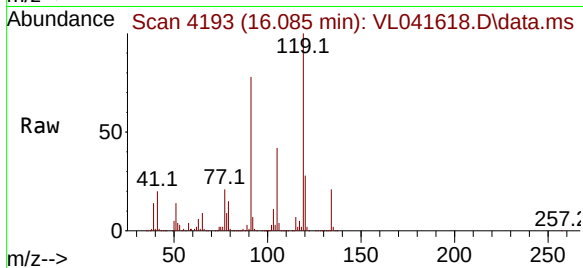
Tgt Ion:119 Resp: 3719565

Ion Ratio Lower Upper

119 100

91 80.3 64.6 96.8

134 19.9 15.8 23.8



#66

Benzyl Chloride

Concen: 8.356 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.019 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

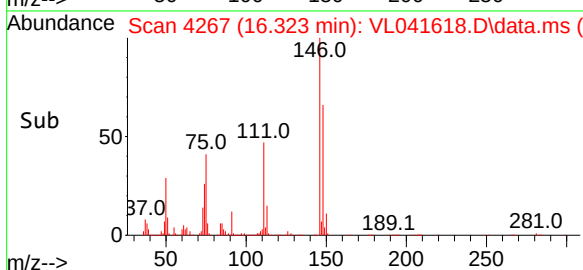
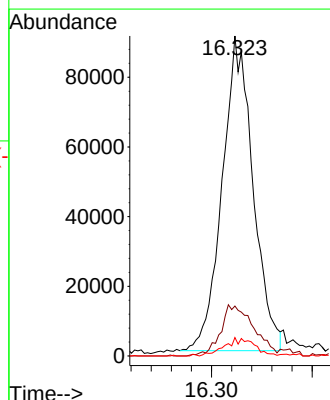
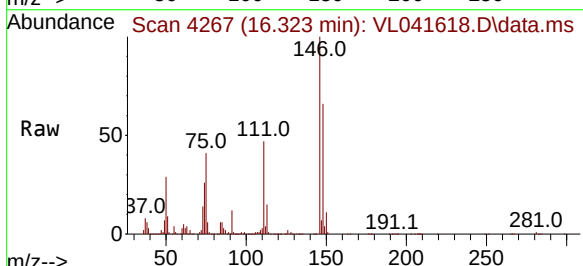
Tgt Ion: 91 Resp: 192391

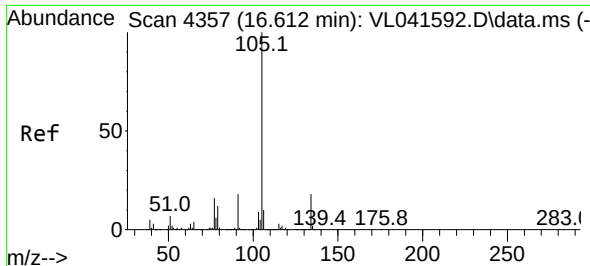
Ion Ratio Lower Upper

91 100

126 18.8 15.4 23.2

128 5.9 4.8 7.2

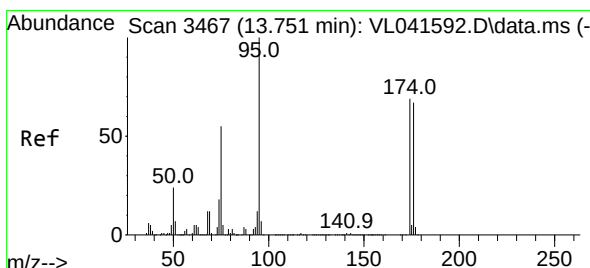
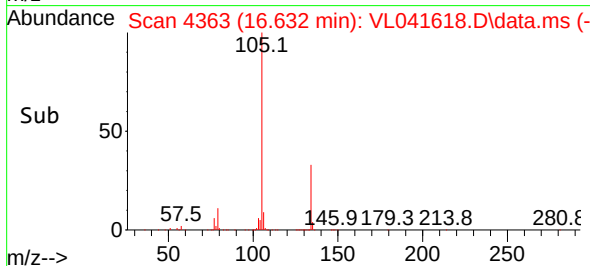
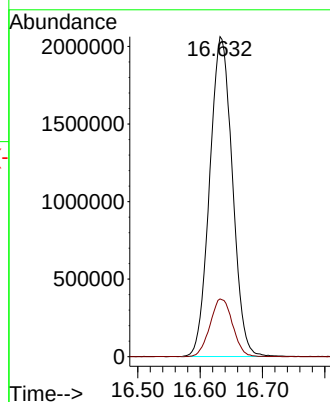
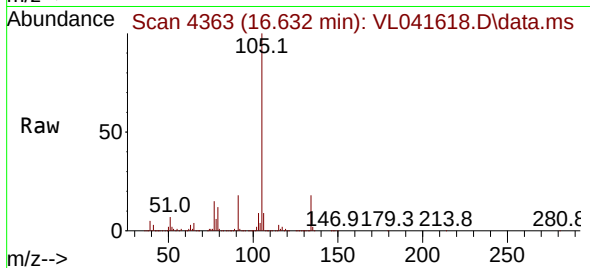




#67
 sec-Butylbenzene
 Concen: 8.489 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

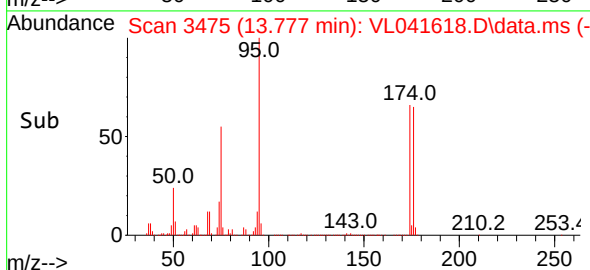
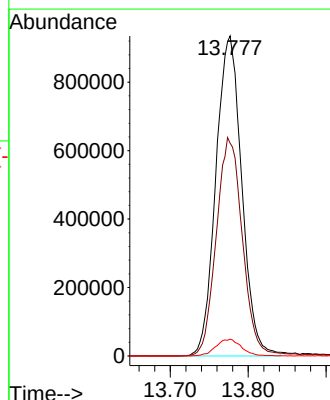
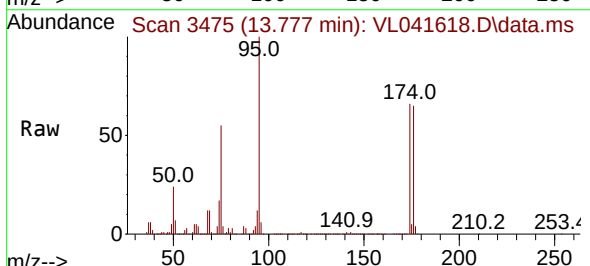
Instrument :
 MSVOA_L
 ClientSampleId :

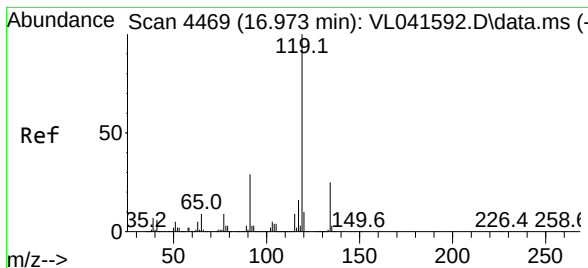
Tgt Ion:105 Resp: 5216169
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.399 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.026 min
 Lab File: VL041618.D
 Acq: 18 Sep 2024 22:44

Tgt Ion: 95 Resp: 2158584
 Ion Ratio Lower Upper
 95 100
 174 69.6 55.8 83.8
 175 5.2 4.1 6.1





#69

p-Isopropyltoluene

Concen: 8.723 ppbv

RT: 16.992 min Scan# 4469

Delta R.T. 0.019 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

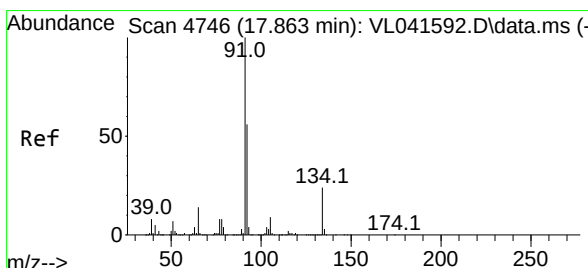
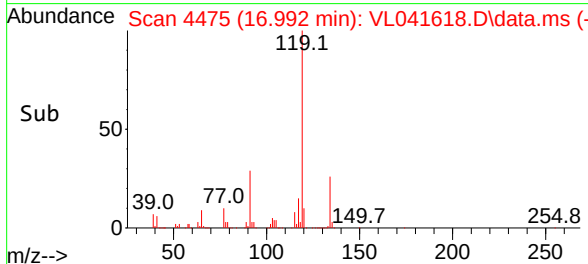
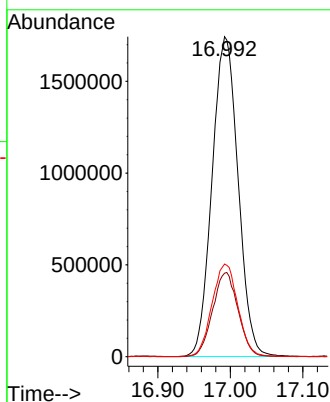
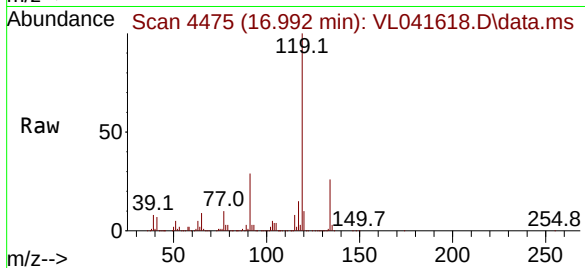
Tgt Ion:119 Resp: 4338555

Ion Ratio Lower Upper

119 100

134 25.8 20.5 30.7

91 28.8 23.1 34.7



#70

n-Butylbenzene

Concen: 8.570 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. 0.019 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

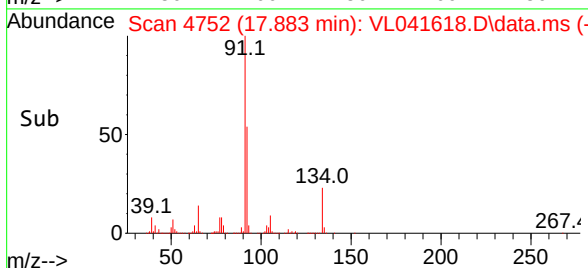
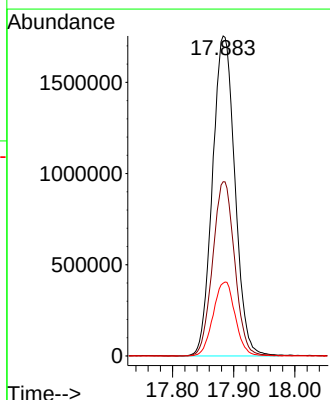
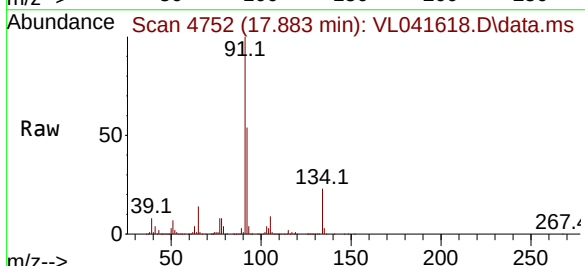
Tgt Ion: 91 Resp: 4465183

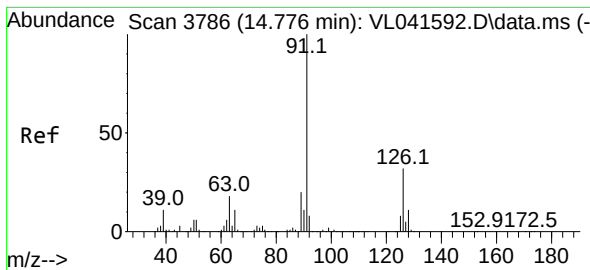
Ion Ratio Lower Upper

91 100

92 53.7 43.2 64.8

134 22.9 18.6 27.8

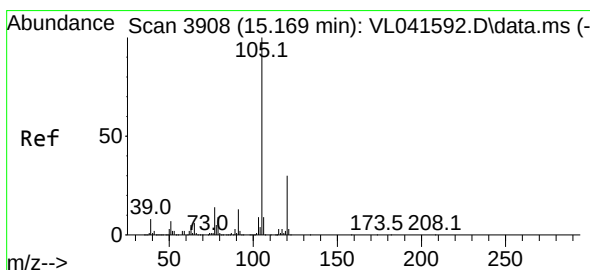
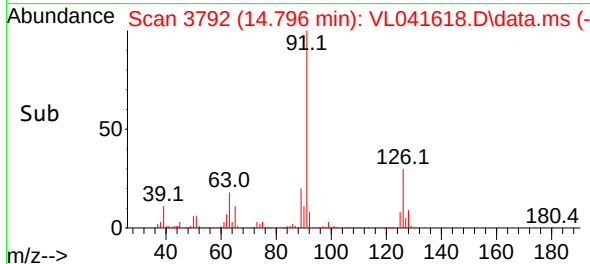
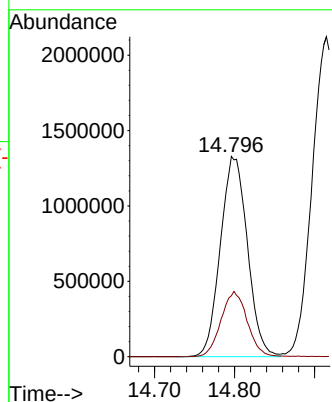
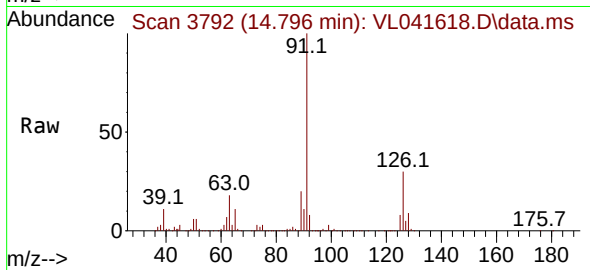




#71
2-Chlorotoluene
Concen: 8.776 ppbv
RT: 14.796 min Scan# 3119812
Delta R.T. 0.019 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

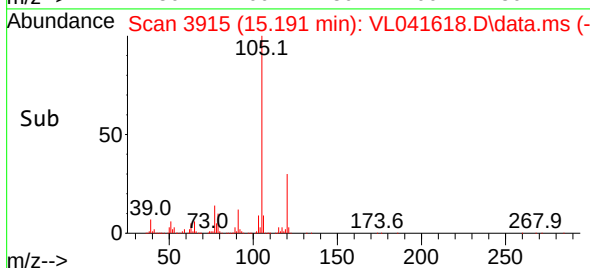
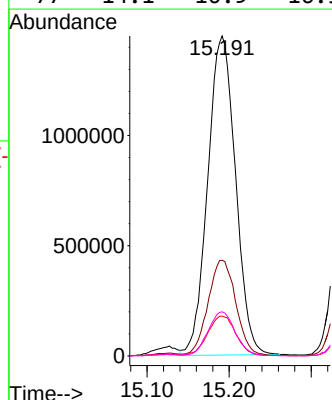
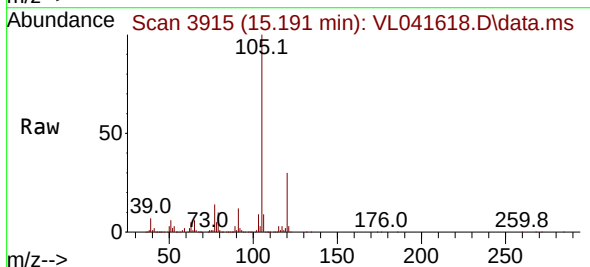
Instrument :
MSVOA_L
ClientSampleId :

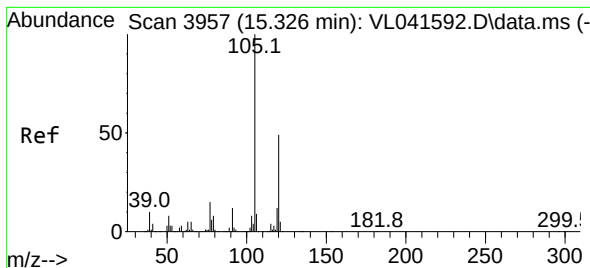
Tgt Ion: 91 Resp: 3119812
Ion Ratio Lower Upper
91 100
126 31.8 12.9 51.5



#72
4-Ethyltoluene
Concen: 9.151 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.023 min
Lab File: VL041618.D
Acq: 18 Sep 2024 22:44

Tgt Ion: 105 Resp: 3411294
Ion Ratio Lower Upper
105 100
120 31.1 24.1 36.1
91 12.7 10.2 15.2
77 14.1 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 8.873 ppbv

RT: 15.349 min Scan# 3957

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

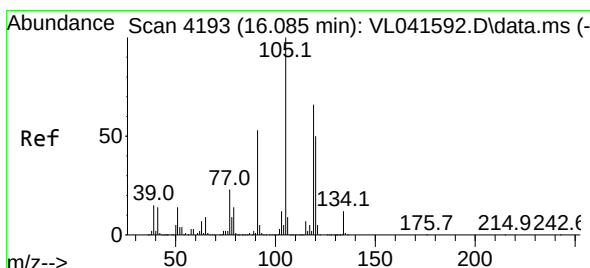
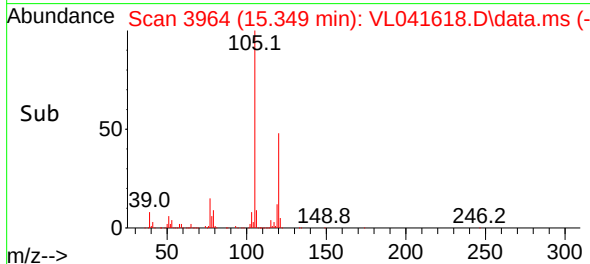
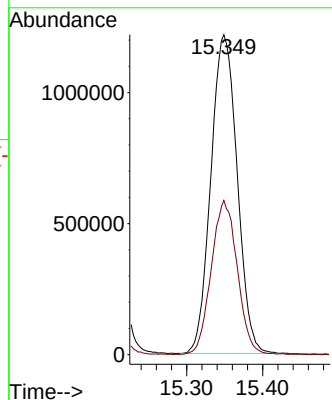
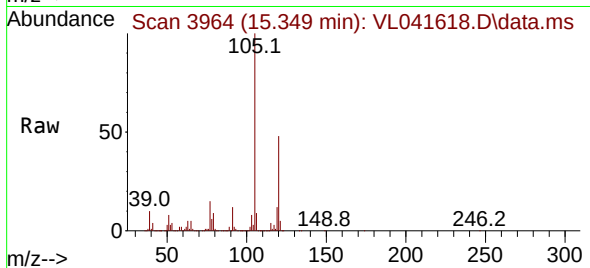
ClientSampleId :

Tgt Ion:105 Resp: 2920920

Ion Ratio Lower Upper

105 100

120 48.2 39.4 59.0



#74

1,2,4-Trimethylbenzene

Concen: 8.362 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Tgt Ion:105 Resp: 3222123

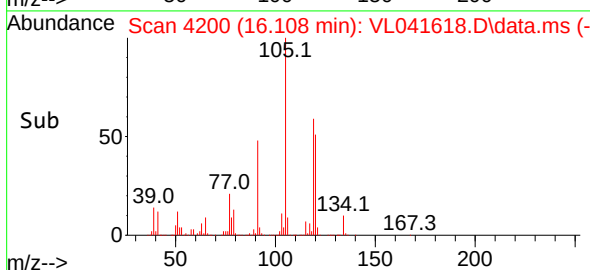
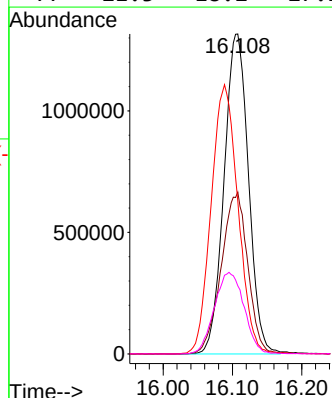
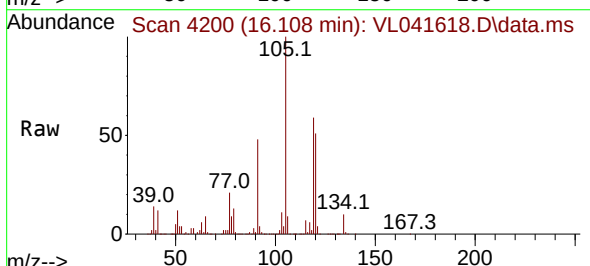
Ion Ratio Lower Upper

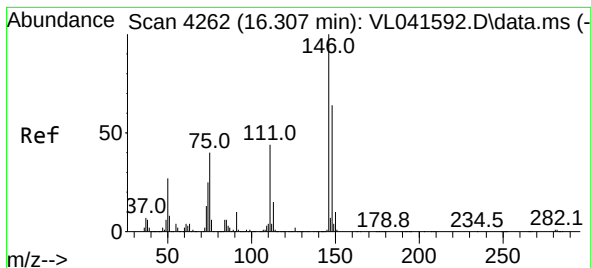
105 100

120 50.6 39.9 59.9

91 47.7 42.6 63.8

77 21.3 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 8.087 ppbv

RT: 16.330 min Scan# 4314

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

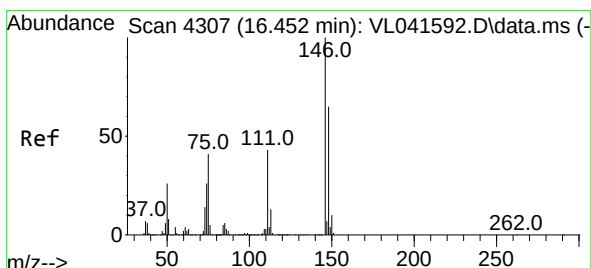
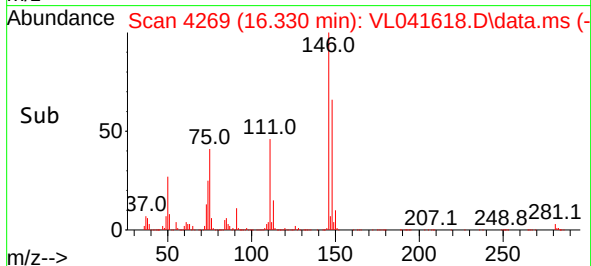
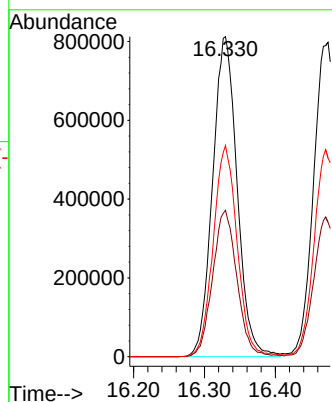
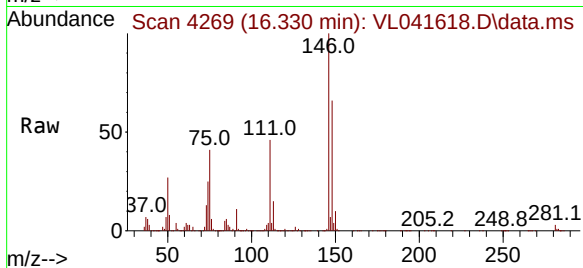
Tgt Ion:146 Resp: 1952759

Ion Ratio Lower Upper

146 100

111 45.4 22.4 67.0

148 64.7 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 8.176 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

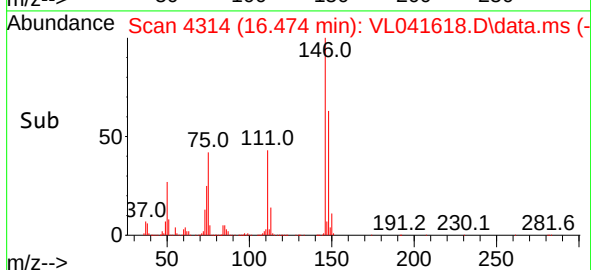
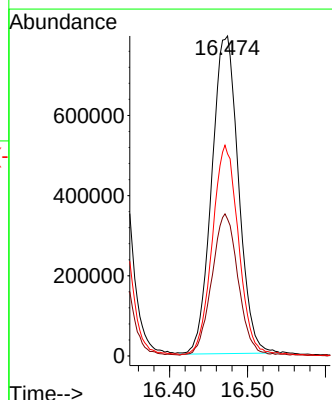
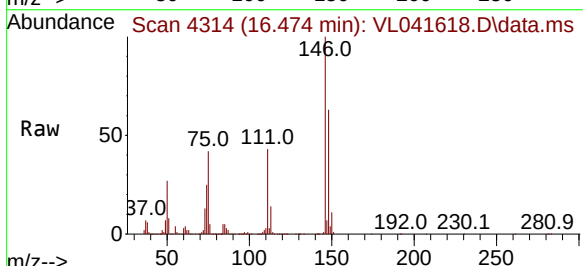
Tgt Ion:146 Resp: 1891944

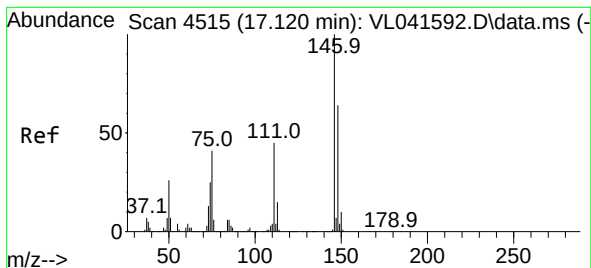
Ion Ratio Lower Upper

146 100

111 44.6 22.4 67.3

148 66.0 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 7.941 ppbv

RT: 17.143 min Scan# 4515

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

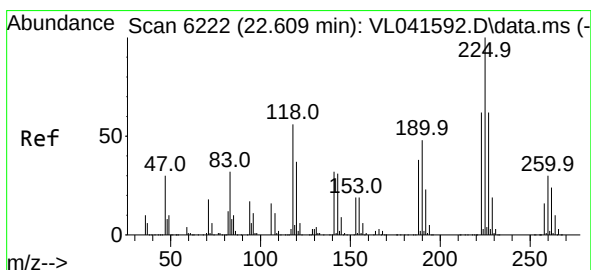
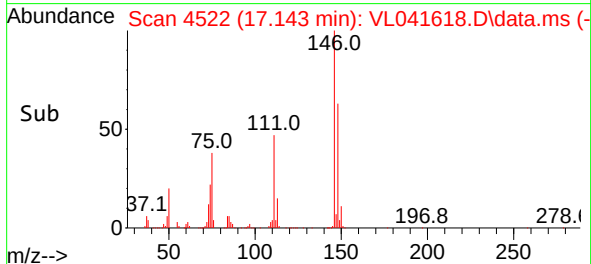
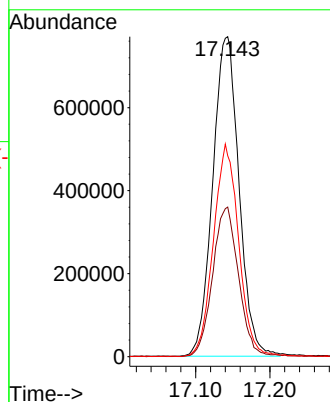
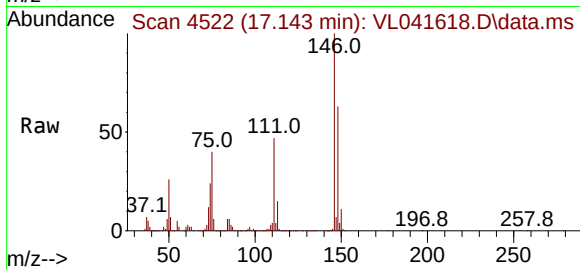
Tgt Ion:146 Resp: 1893075

Ion Ratio Lower Upper

146 100

111 46.4 23.4 70.0

148 64.1 32.5 97.4



#78

Hexachloro-1,3-Butadiene

Concen: 7.085 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

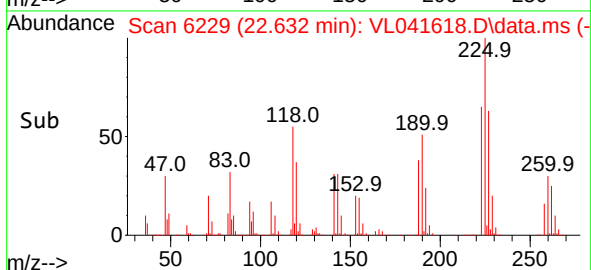
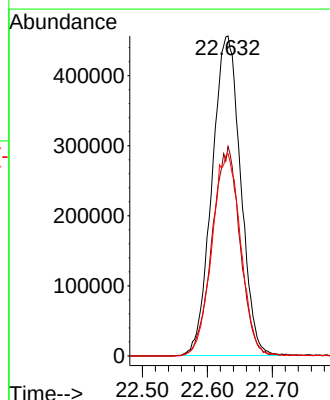
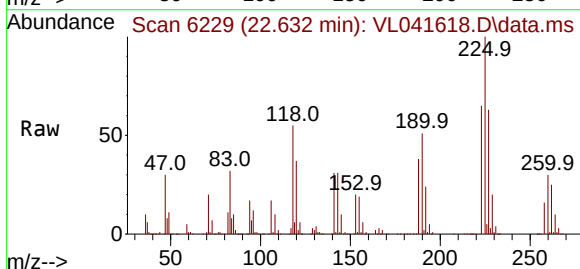
Tgt Ion:225 Resp: 1393211

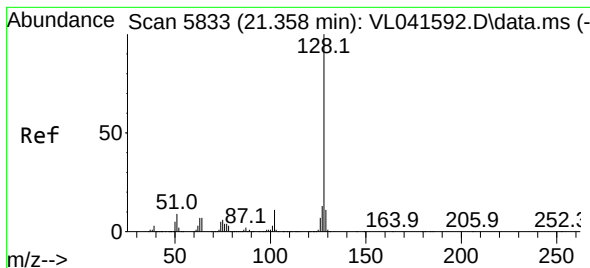
Ion Ratio Lower Upper

225 100

223 64.1 50.6 75.8

227 64.0 50.9 76.3





#79

Naphthalene

Concen: 5.088 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.023 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

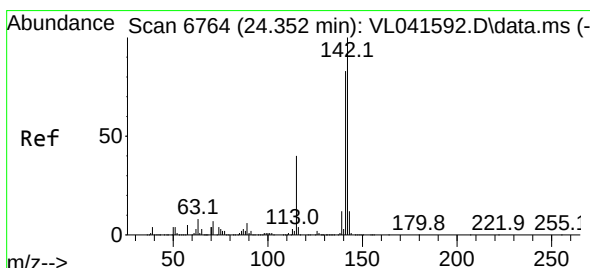
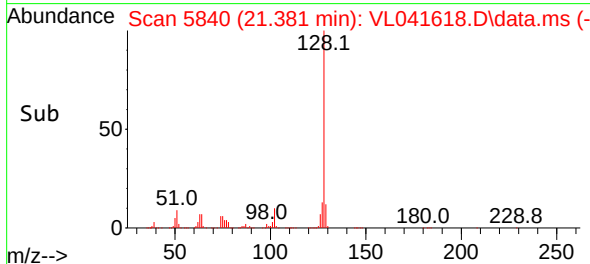
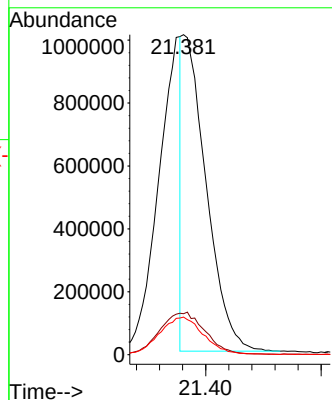
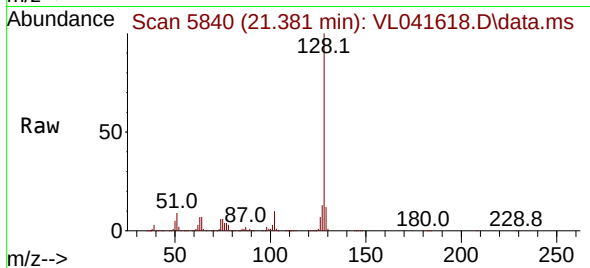
Tgt Ion:128 Resp: 1442707

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 11.8 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 8.795 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.019 min

Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

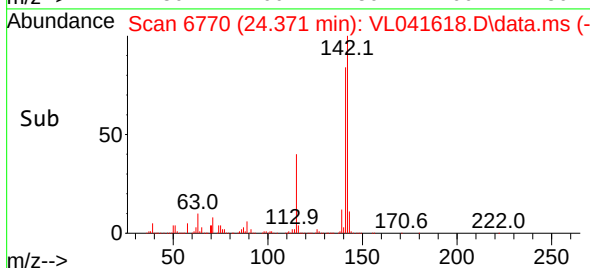
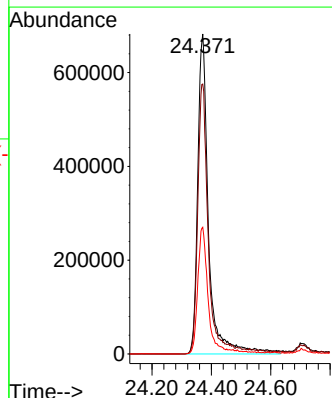
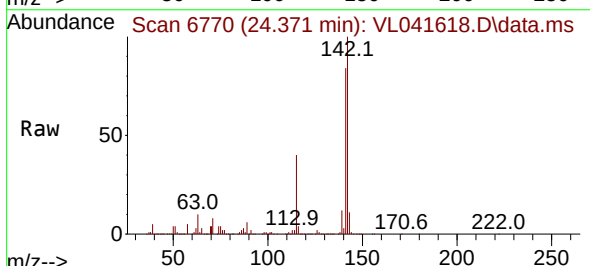
Tgt Ion:142 Resp: 1747639

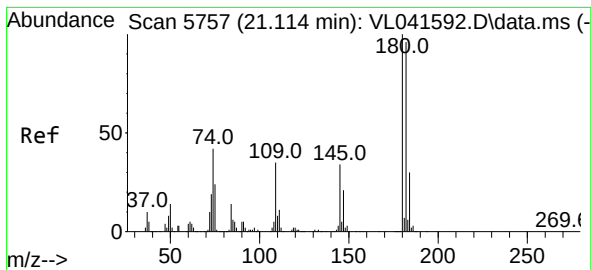
Ion Ratio Lower Upper

142 100

141 81.9 66.3 99.5

115 39.1 31.4 47.2





#81

1,2,4-Trichlorobenzene

Concen: 8.556 ppbv

RT: 21.130 min Scan# 51

Delta R.T. 0.016 min

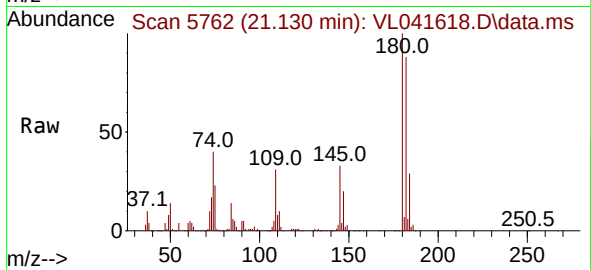
Lab File: VL041618.D

Acq: 18 Sep 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1542503

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

184 30.5 24.7 37.1

