

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041505.D
 Acq On : 8 Aug 2024 9:39
 Operator : SY/MD
 Sample : VL0808ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0808ABS01

Quant Time: Aug 09 05:52:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1036737	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2818389	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3290640	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2015008	7.957	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	1963731	11.010	ppbv	99
3) Chlorodifluoromethane	2.658	51	1212326	9.823	ppbv	100
4) Chloromethane	2.796	50	644382	9.816	ppbv	98
5) Vinyl Chloride	2.903	62	657040	10.155	ppbv	98
6) Bromomethane	3.102	94	339523	10.210	ppbv	99
7) Chloroethane	3.179	64	225482	10.098	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1585053	10.030	ppbv	97
9) Propene	2.677	41	537992	9.489	ppbv	99
10) Heptane	7.568	43	1358204	10.662	ppbv	100
11) Trichlorofluoromethane	3.546	101	1546989	9.767	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.050	101	1124528	9.859	ppbv	100
13) Ethanol	3.227	45	31396	6.196	ppbv	86
14) Bromoethene	3.349	108	450359	10.128	ppbv	99
15) Acetone	3.449	43	1153082	9.789	ppbv	100
16) 1,3-Butadiene	2.967	39	640049	10.170	ppbv	99
17) tert-Butyl alcohol	3.861	59	1088370	10.131	ppbv	100
18) 1,1-Dichloroethene	3.864	96	507629	10.404	ppbv	97
19) Isopropyl Alcohol	3.558	45	649416	9.430	ppbv	99
20) Methylene Chloride	3.919	84	427017	9.721	ppbv	98
21) Allyl Chloride	3.980	41	810265	10.489	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	509292	10.440	ppbv	94
23) Vinyl Acetate	4.610	43	986430	10.965	ppbv	99
24) 1,1-Dichloroethane	4.549	63	1080436	10.200	ppbv	100
25) Ethyl Acetate	5.189	43	2438160	10.419	ppbv	99
26) Hexane	5.198	57	1007382	10.377	ppbv	99
27) Carbon Disulfide	4.108	76	1202786	10.591	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	606713	9.910	ppbv	99
29) Chloroform	5.259	83	1581303	9.987	ppbv	97
30) Cyclohexane	6.587	84	862757	10.914	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	990545	10.329	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1549649	10.054	ppbv	100
34) 2-Butanone	4.771	43	1429326	10.484	ppbv	100
35) Carbon Tetrachloride	6.481	117	1616273	10.397	ppbv	99
36) Benzene	6.356	78	2135056	10.367	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1194493	10.363	ppbv	100
38) Trichloroethene	7.282	130	997228	10.570	ppbv	98
39) 1,2-Dichloropropane	7.060	63	829487	10.521	ppbv	99
40) 1,4-Dioxane	7.279	88	298472	9.424	ppbv	63
41) Tetrahydrofuran	5.539	42	871664	11.179	ppbv	98
42) Bromodichloromethane	7.237	83	1721893	10.346	ppbv	100
43) Methyl Methacrylate	7.462	69	855545	11.585	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3603459	10.476	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	870875	12.812	ppbv	100

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Instrument :
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 ClientSampleId :
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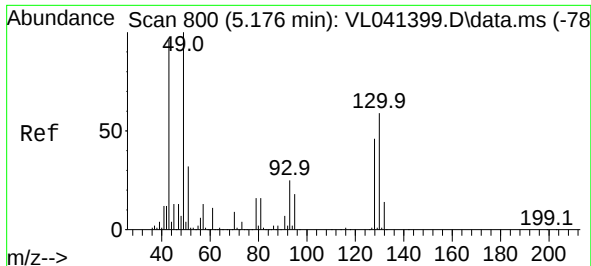
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1170577	11.926	ppbv	96
47) 1,1,2-Trichloroethane	8.889	97	904470	10.407	ppbv	97
48) Dibromochloromethane	9.700	129	1493471	10.667	ppbv	100
49) Bromoform	12.397	173	1340539	11.335	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2404678	11.179	ppbv	100
51) 2-Hexanone	9.539	43	1961903	12.062	ppbv #	99
52) Tetrachloroethene	10.606	164	823642	10.351	ppbv	99
53) Toluene	9.208	91	2540535	11.075	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1312754	11.348	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1108511	8.686	ppbv #	55
57) Chlorobenzene	11.516	112	2003627	8.552	ppbv	98
58) Ethyl Benzene	12.079	91	3432326	9.050	ppbv	99
59) m/p-Xylene	12.362	91	2992725	9.140	ppbv #	34
60) o-Xylene	13.050	91	2795768	9.026	ppbv	99
61) Styrene	12.886	104	1388008	9.933	ppbv	99
62) Isopropylbenzene	14.018	105	4075363	8.655	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	1721898	8.804	ppbv	99
64) n-propylbenzene	14.905	120	1081113	8.783	ppbv	96
65) tert-Butylbenzene	16.076	119	3634119	8.545	ppbv	99
66) Benzyl Chloride	16.314	91	279937	10.262	ppbv	99
67) sec-Butylbenzene	16.622	105	5112169	8.725	ppbv	100
69) p-Isopropyltoluene	16.986	119	4284866	8.812	ppbv	100
70) n-Butylbenzene	17.873	91	4407161	8.842	ppbv	100
71) 2-Chlorotoluene	14.790	91	3086845	8.890	ppbv	100
72) 4-Ethyltoluene	15.179	105	3389594	9.296	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2867978	9.130	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	3189834	8.734	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	1987381	8.657	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	1946715	8.757	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1931870	8.488	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1457393	7.509	ppbv	99
79) Naphthalene	21.368	128	3214160	9.971	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	2490096	9.215	ppbv	100
81) 1,2,4-Trichlorobenzene	21.124	180	1688779	8.804	ppbv	99

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

Quant Time: Aug 09 05:52:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL072524AIR.M
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QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

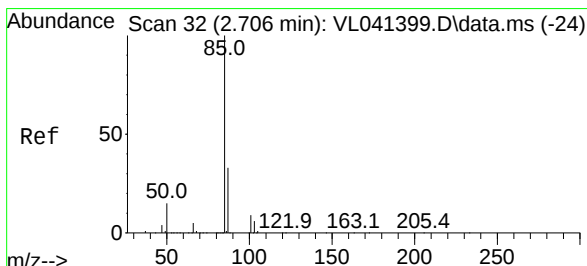
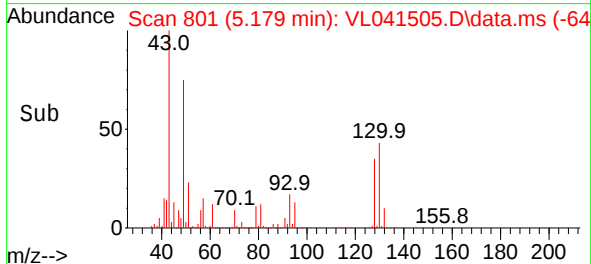
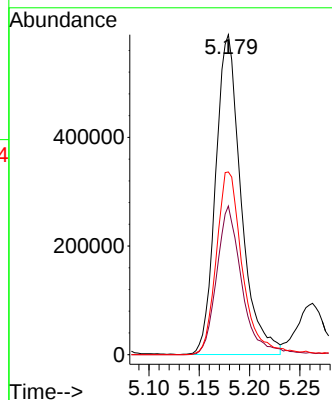
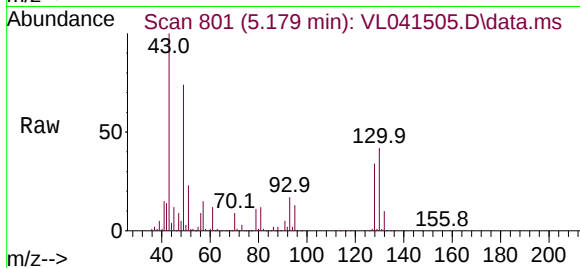




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

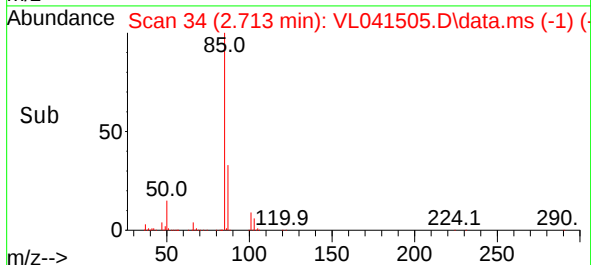
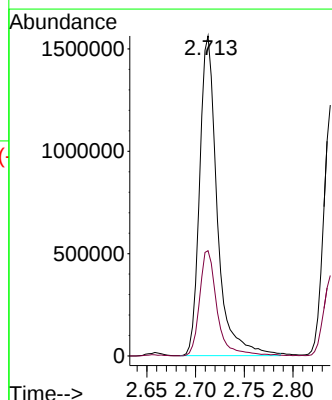
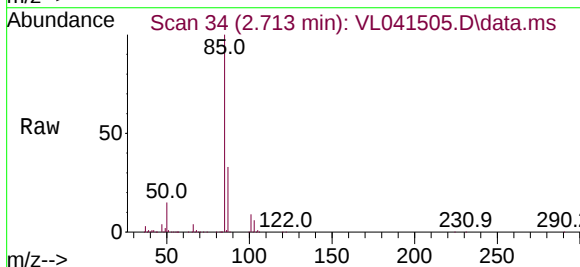
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

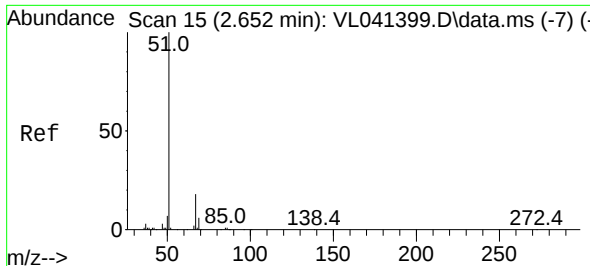
Tgt Ion: 49 Resp: 1036737
Ion Ratio Lower Upper
49 100
128 46.9 23.8 71.4
130 60.2 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 11.010 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.019 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 85 Resp: 1963731
Ion Ratio Lower Upper
85 100
87 32.9 26.0 39.0

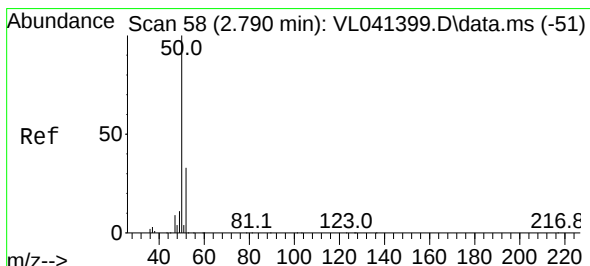
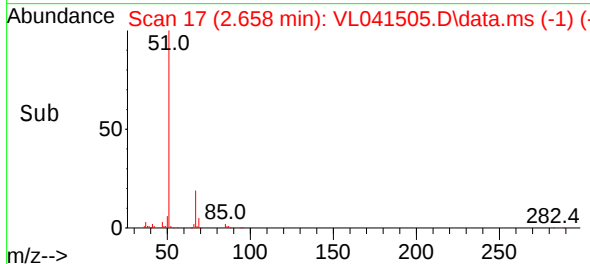
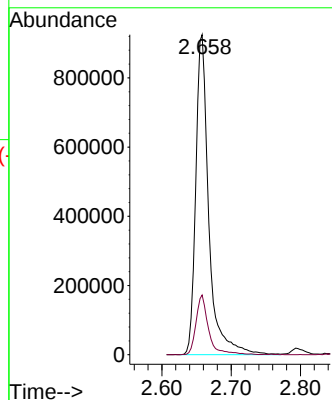
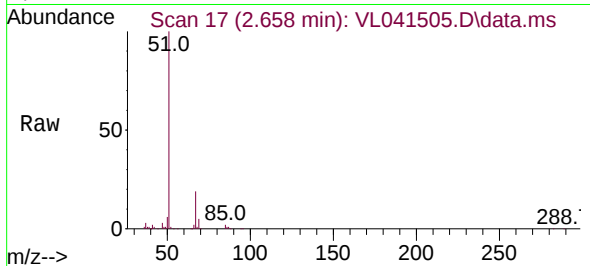




#3
Chlorodifluoromethane
Concen: 9.823 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

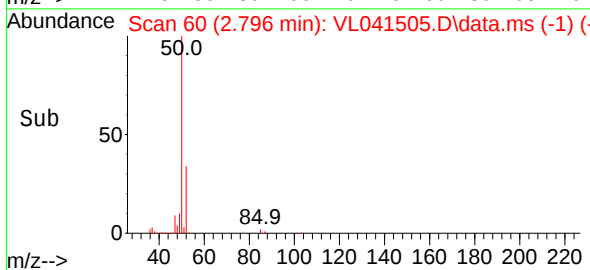
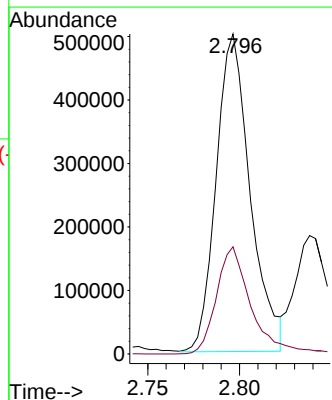
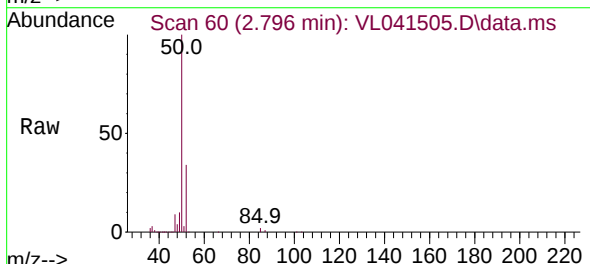
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ClientSampleId :
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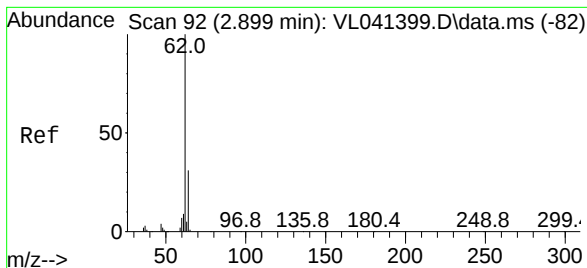
Tgt Ion: 51 Resp: 1212326
Ion Ratio Lower Upper
51 100
67 18.1 14.5 21.7



#4
Chloromethane
Concen: 9.816 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 50 Resp: 644382
Ion Ratio Lower Upper
50 100
52 33.7 26.1 39.1

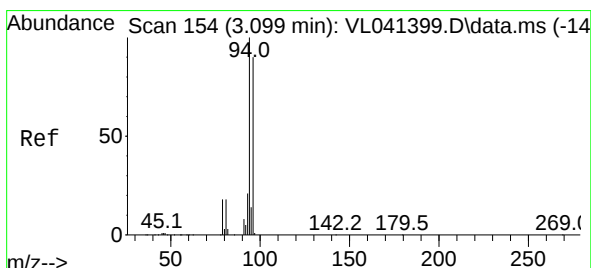
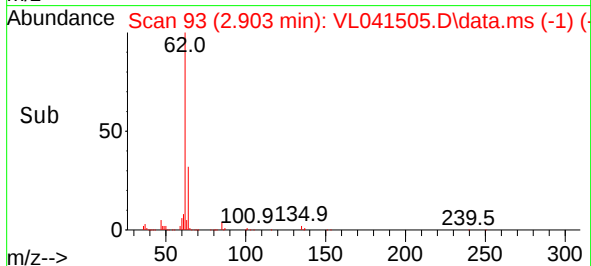
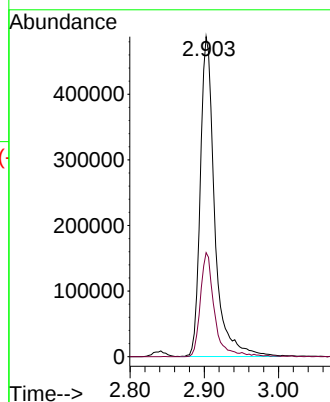
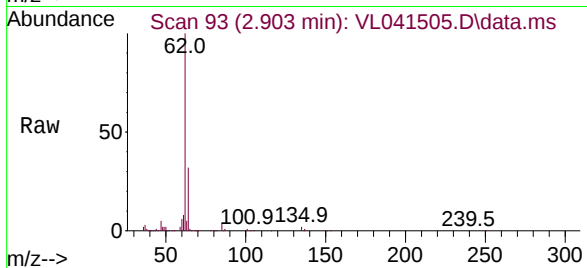




#5
 Vinyl Chloride
 Concen: 10.155 ppbv
 RT: 2.903 min Scan# 91
 Delta R.T. -0.019 min
 Lab File: VL041505.D
 Acq: 8 Aug 2024 9:39

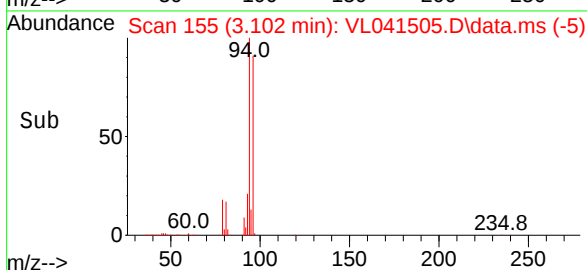
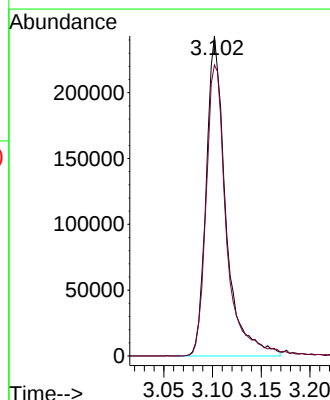
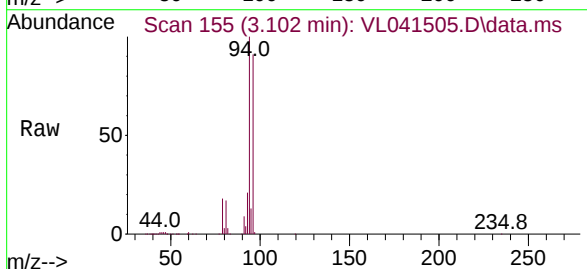
Instrument :
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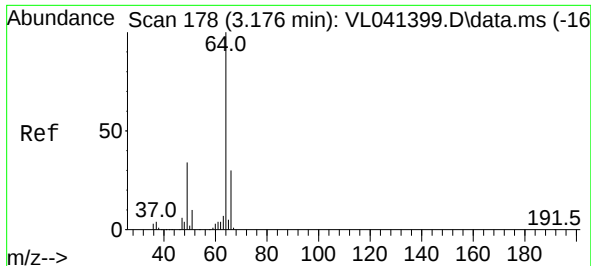
Tgt Ion: 62 Resp: 657040
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.0 37.4



#6
 Bromomethane
 Concen: 10.210 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. -0.019 min
 Lab File: VL041505.D
 Acq: 8 Aug 2024 9:39

Tgt Ion: 94 Resp: 339523
 Ion Ratio Lower Upper
 94 100
 96 90.9 72.3 108.5

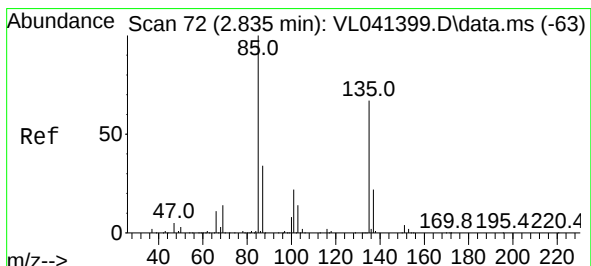
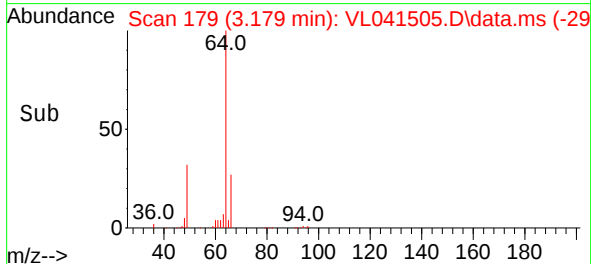
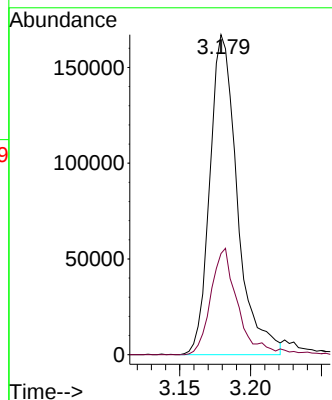
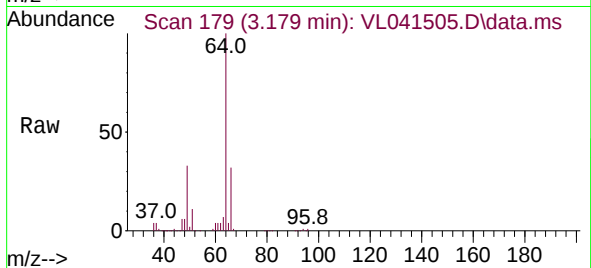




#7
Chloroethane
Concen: 10.098 ppbv
RT: 3.179 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

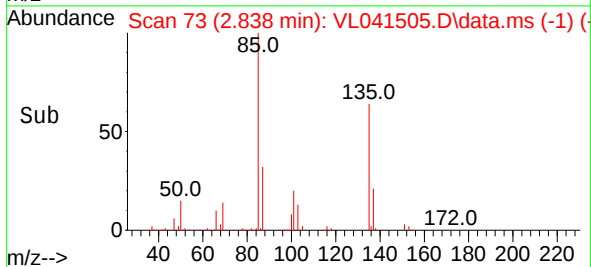
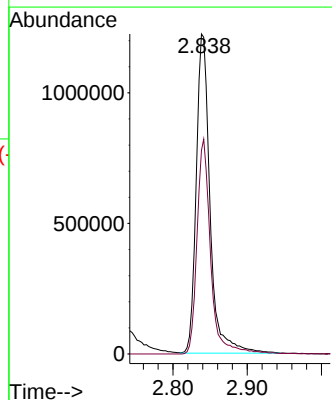
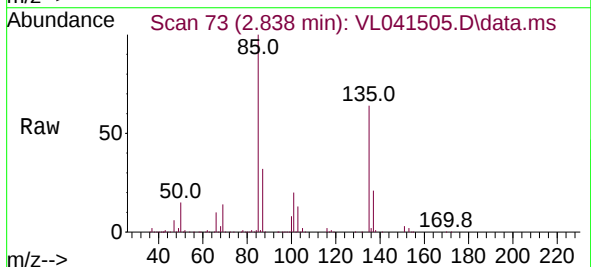
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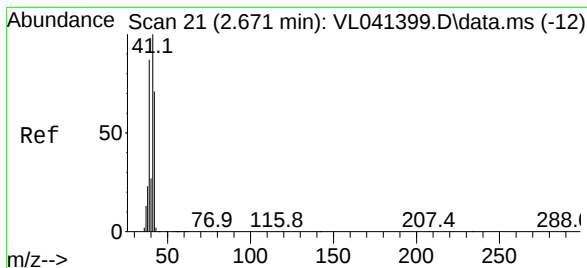
Tgt Ion: 64 Resp: 225482
Ion Ratio Lower Upper
64 100
66 31.6 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 10.030 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.022 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 85 Resp: 1585053
Ion Ratio Lower Upper
85 100
135 66.8 55.4 83.0





#9

Propene

Concen: 9.489 ppbv

RT: 2.677 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

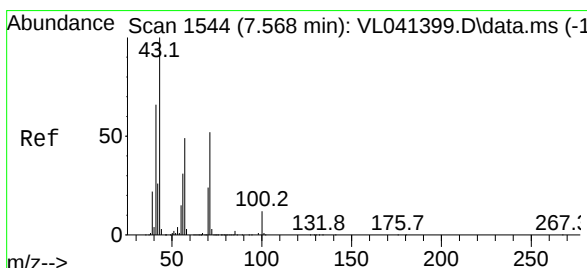
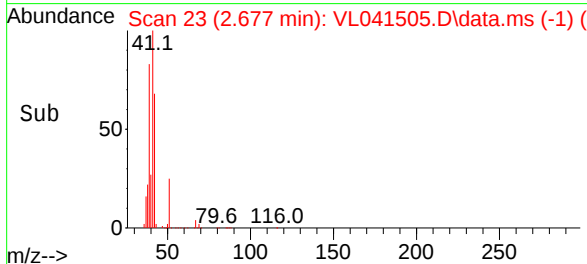
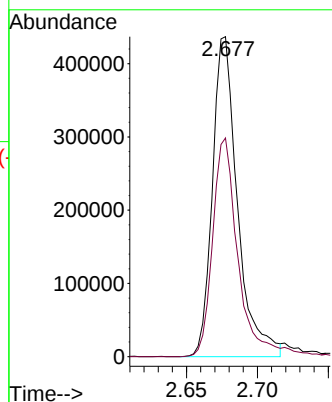
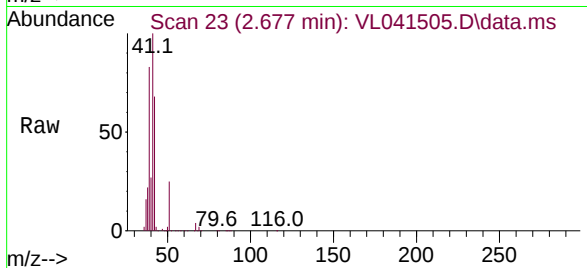
VL0808ABS01

Tgt Ion: 41 Resp: 537992

Ion Ratio Lower Upper

41 100

42 70.7 55.9 83.9



#10

Heptane

Concen: 10.662 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.006 min

Lab File: VL041505.D

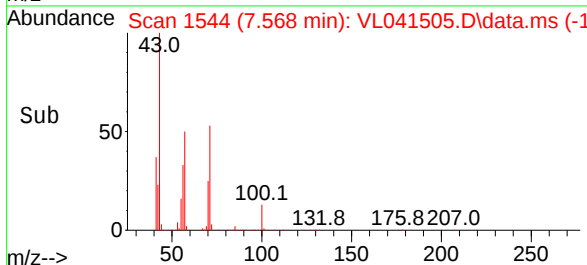
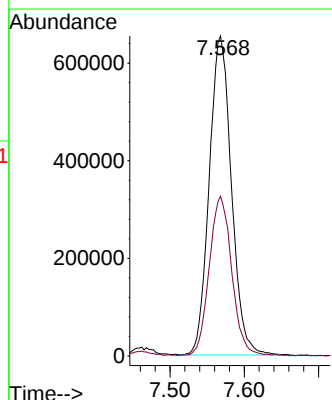
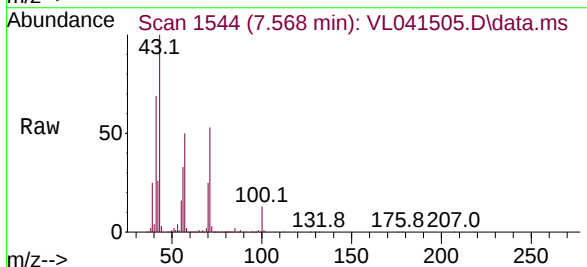
Acq: 8 Aug 2024 9:39

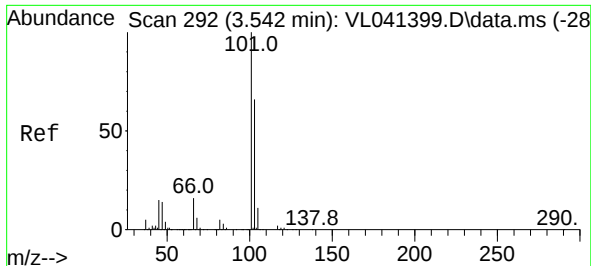
Tgt Ion: 43 Resp: 1358204

Ion Ratio Lower Upper

43 100

57 50.6 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.767 ppbv

RT: 3.546 min Scan# 20

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

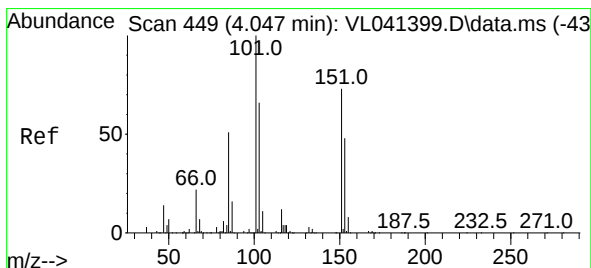
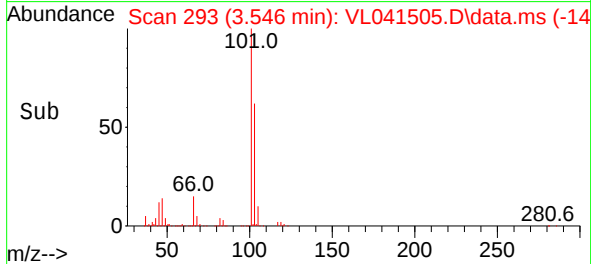
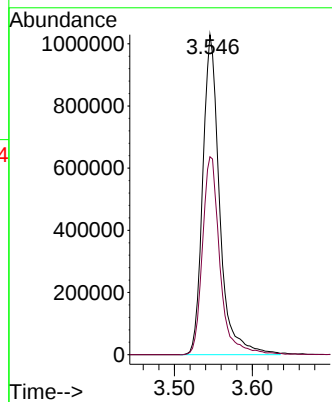
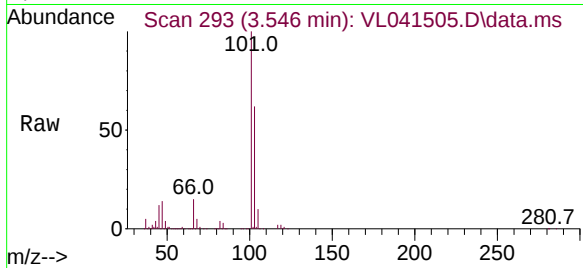
VL0808ABS01

Tgt Ion:101 Resp: 1546989

Ion Ratio Lower Upper

101 100

103 61.9 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.859 ppbv

RT: 4.050 min Scan# 450

Delta R.T. -0.013 min

Lab File: VL041505.D

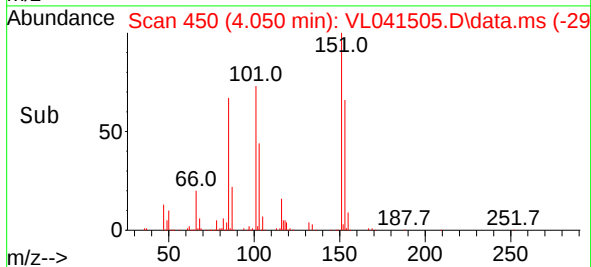
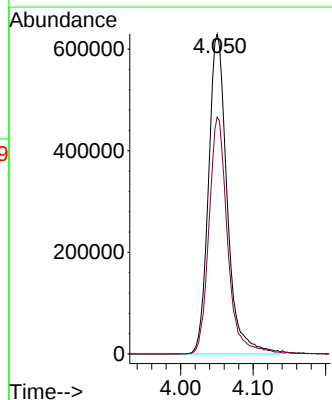
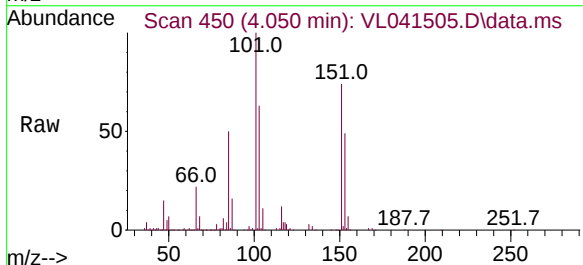
Acq: 8 Aug 2024 9:39

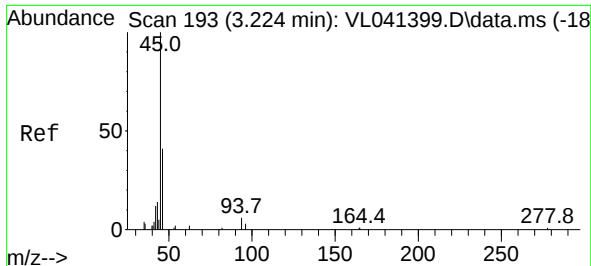
Tgt Ion:101 Resp: 1124528

Ion Ratio Lower Upper

101 100

151 74.0 59.4 89.2





#13

Ethanol

Concen: 6.196 ppbv

RT: 3.227 min Scan# 194

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

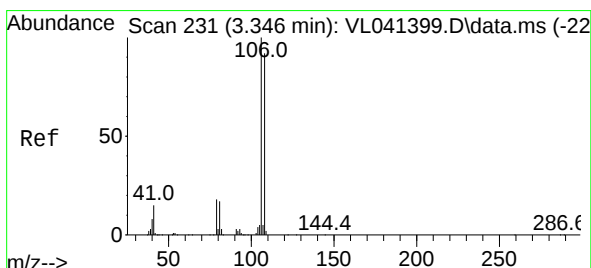
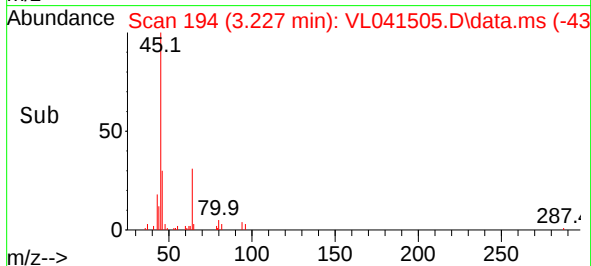
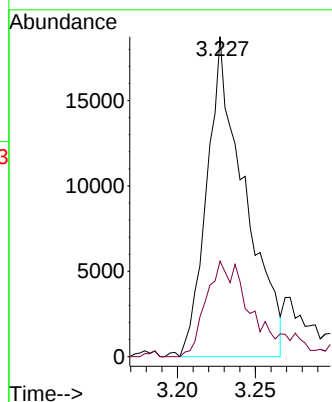
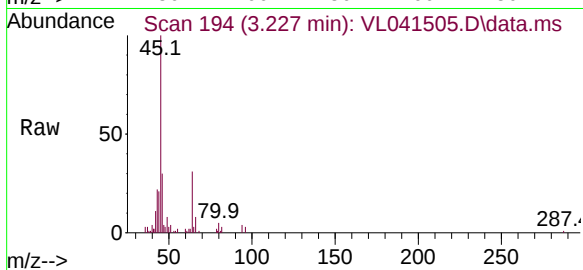
VL0808ABS01

Tgt Ion: 45 Resp: 31396

Ion Ratio Lower Upper

45 100

46 41.4 13.4 53.4



#14

Bromoethene

Concen: 10.128 ppbv

RT: 3.349 min Scan# 232

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

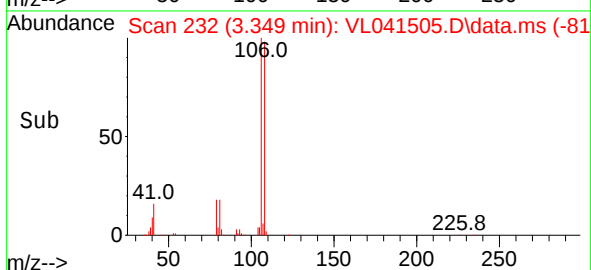
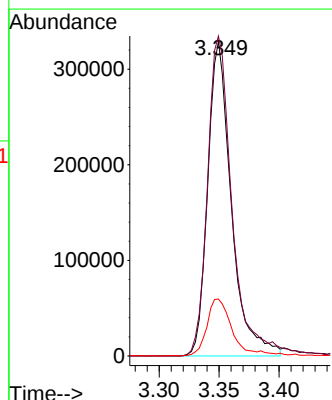
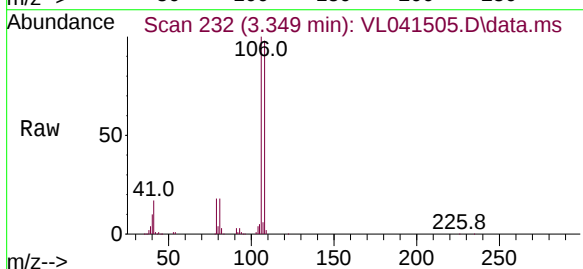
Tgt Ion:108 Resp: 450359

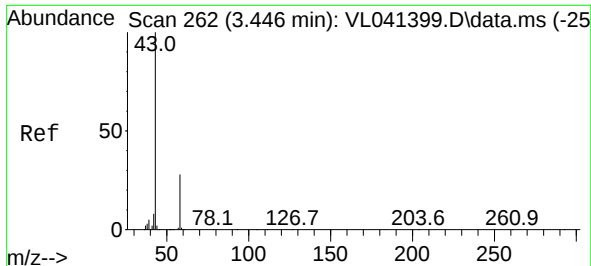
Ion Ratio Lower Upper

108 100

106 108.0 86.9 130.3

79 19.7 16.2 24.4

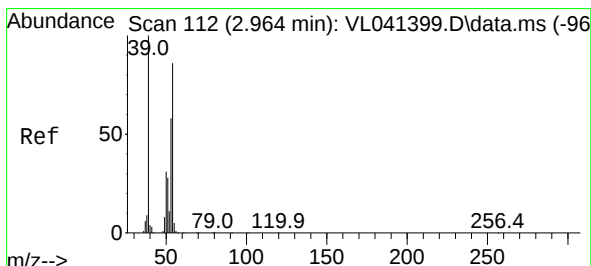
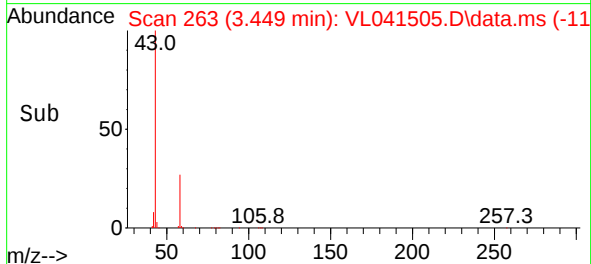
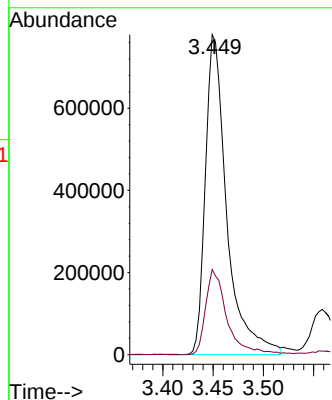
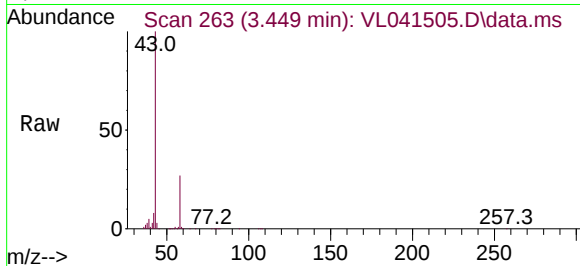




#15
Acetone
Concen: 9.789 ppbv
RT: 3.449 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

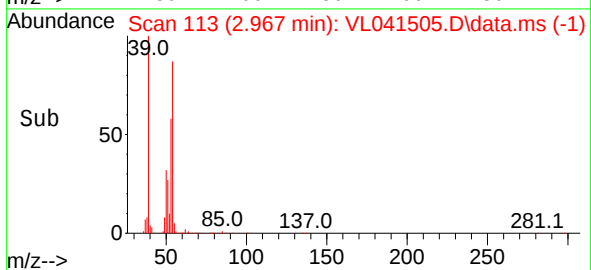
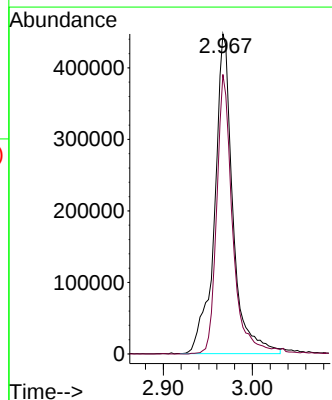
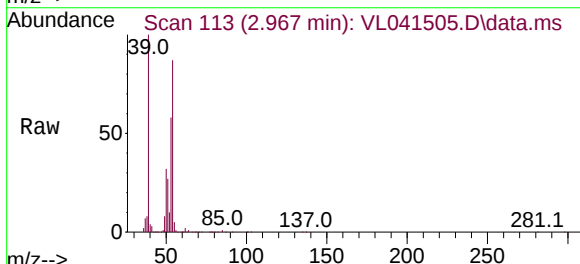
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

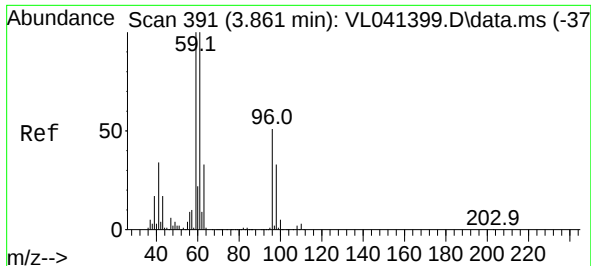
Tgt Ion: 43 Resp: 1153082
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.2



#16
1,3-Butadiene
Concen: 10.170 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.019 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 39 Resp: 640049
Ion Ratio Lower Upper
39 100
54 77.2 62.5 93.7





#17

tert-Butyl alcohol

Concen: 10.131 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

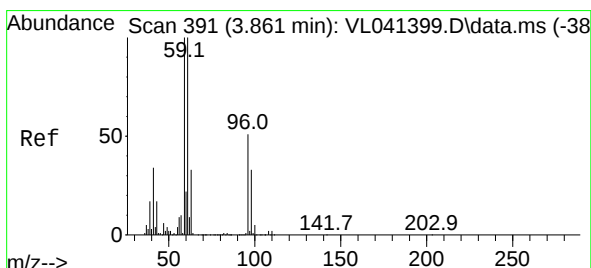
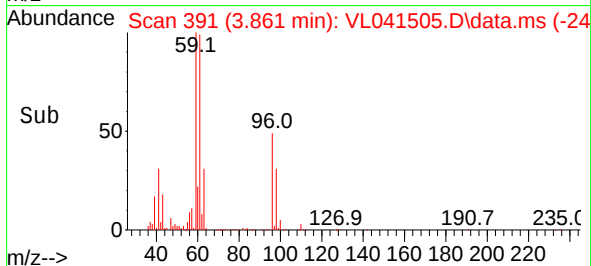
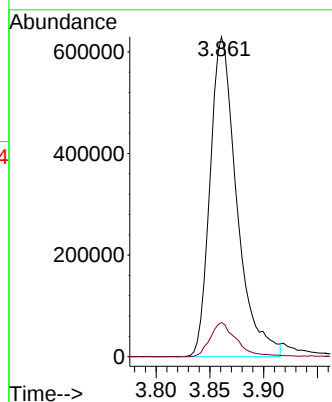
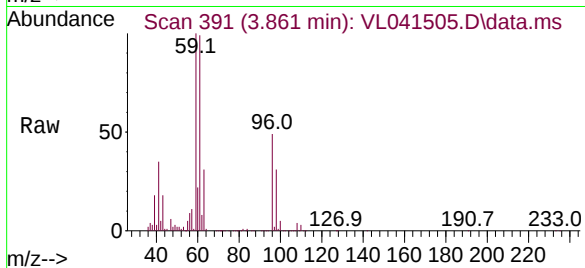
VL0808ABS01

Tgt Ion: 59 Resp: 1088370

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 10.404 ppbv

RT: 3.864 min Scan# 392

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

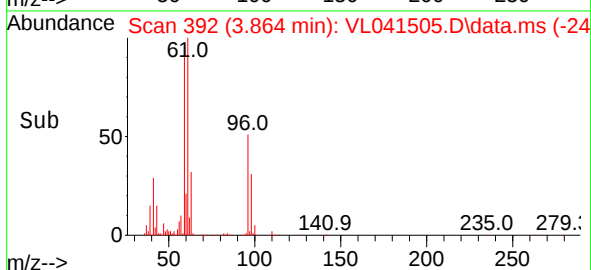
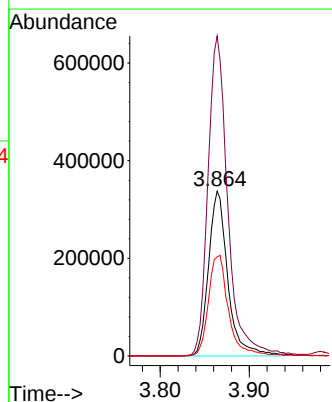
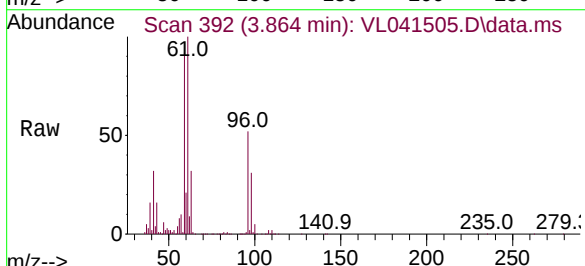
Tgt Ion: 96 Resp: 507629

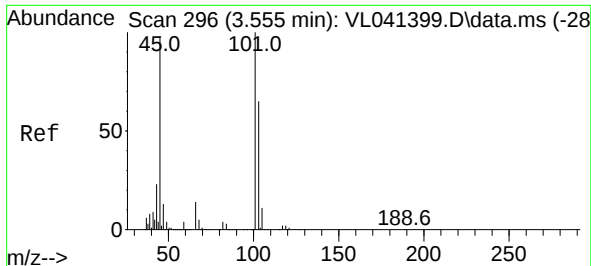
Ion Ratio Lower Upper

96 100

61 194.1 157.5 236.3

98 60.1 51.2 76.8





#19

Isopropyl Alcohol

Concen: 9.430 ppbv

RT: 3.558 min Scan# 20

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

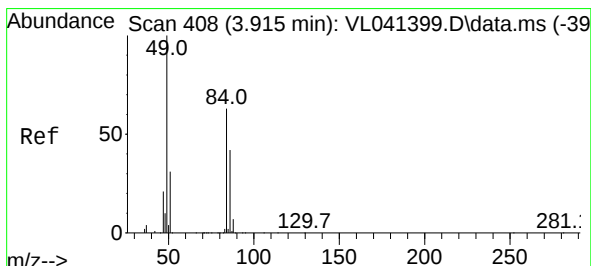
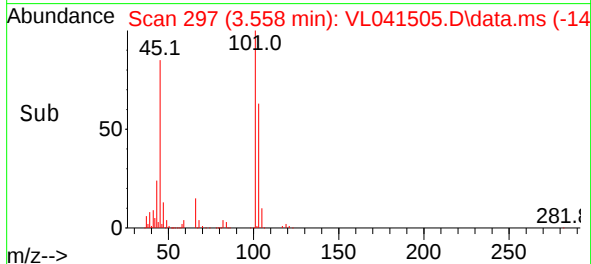
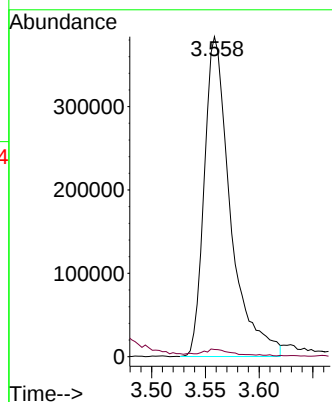
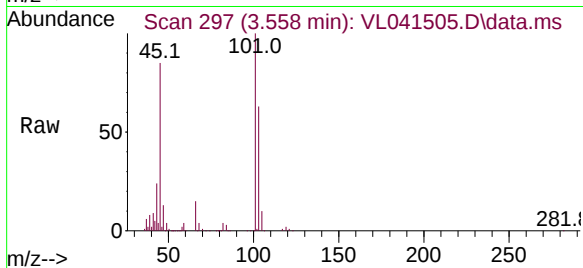
VL0808ABS01

Tgt Ion: 45 Resp: 649416

Ion Ratio Lower Upper

45 100

58 2.8 1.9 2.9



#20

Methylene Chloride

Concen: 9.721 ppbv

RT: 3.919 min Scan# 409

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Tgt Ion: 84 Resp: 427017

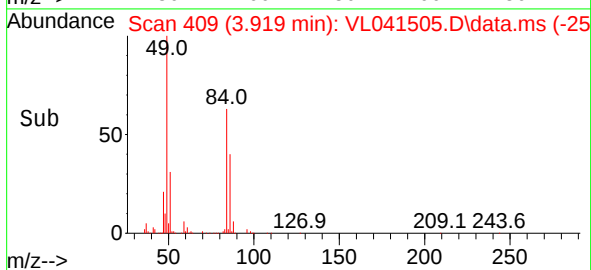
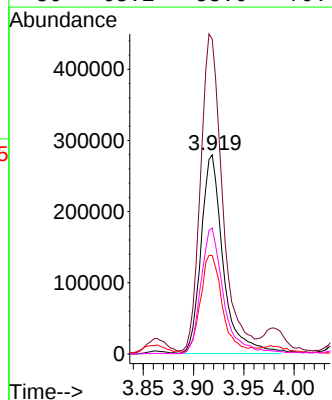
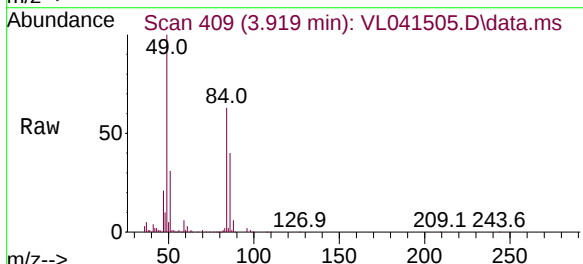
Ion Ratio Lower Upper

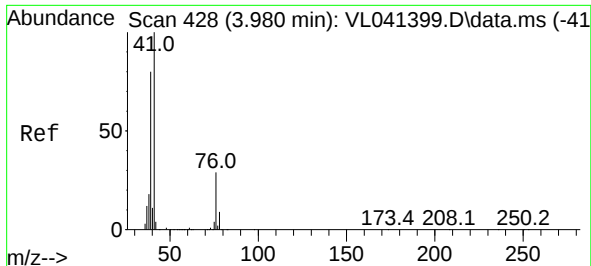
84 100

49 157.1 126.6 190.0

51 48.5 38.6 58.0

86 63.2 53.0 79.4





#21

Allyl Chloride

Concen: 10.489 ppbv

RT: 3.980 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

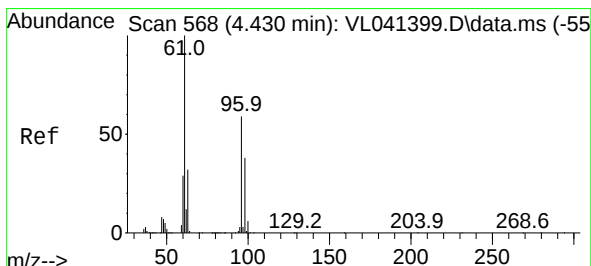
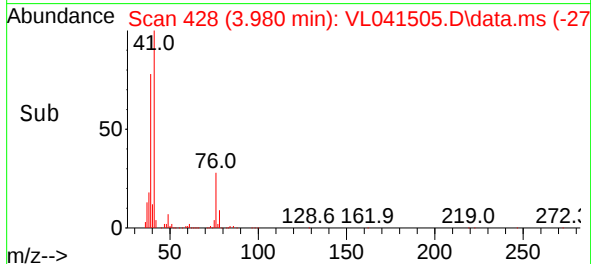
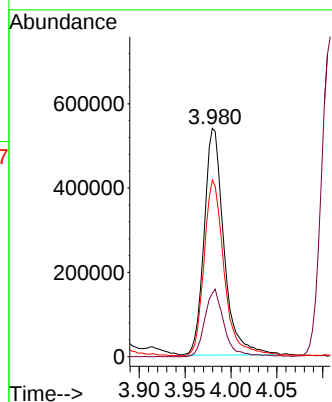
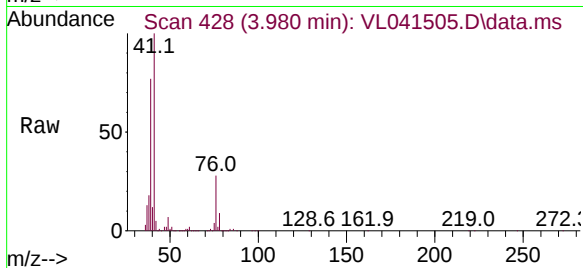
Tgt Ion: 41 Resp: 810265

Ion Ratio Lower Upper

41 100

76 29.1 23.7 35.5

39 79.0 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 10.440 ppbv

RT: 4.430 min Scan# 568

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

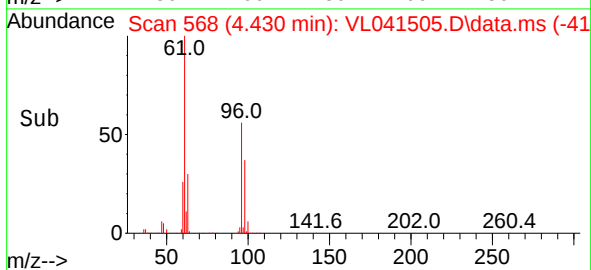
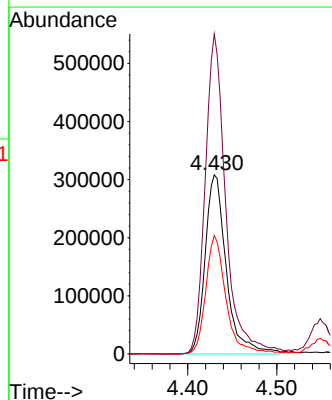
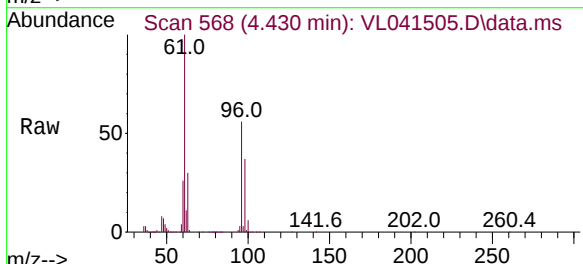
Tgt Ion: 96 Resp: 509292

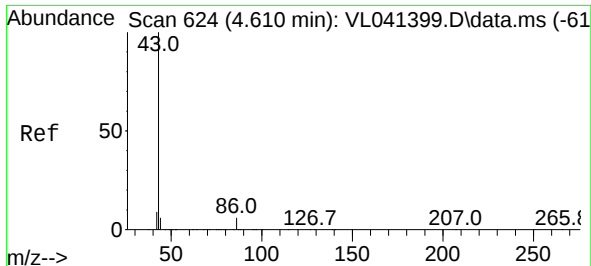
Ion Ratio Lower Upper

96 100

61 178.5 135.4 203.2

98 66.0 51.0 76.4

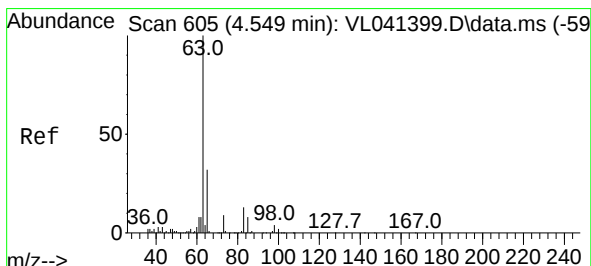
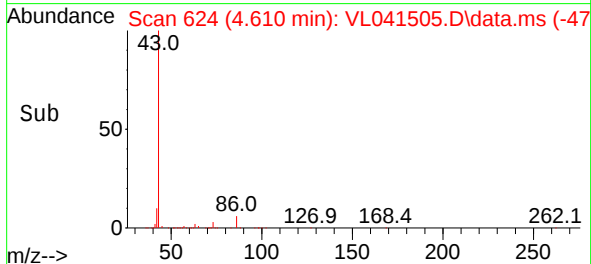
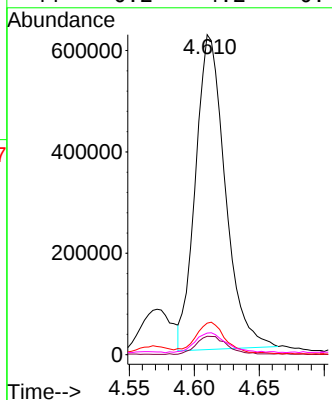
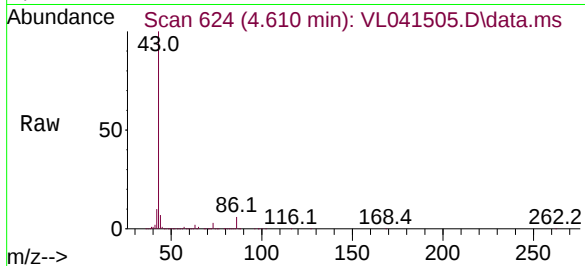




#23
Vinyl Acetate
Concen: 10.965 ppbv
RT: 4.610 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

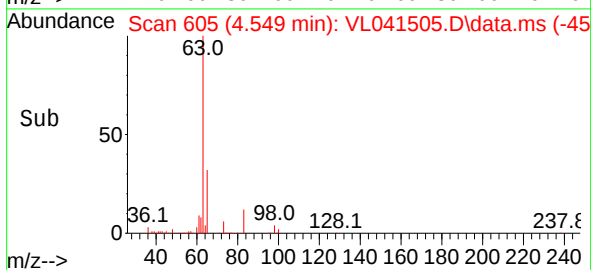
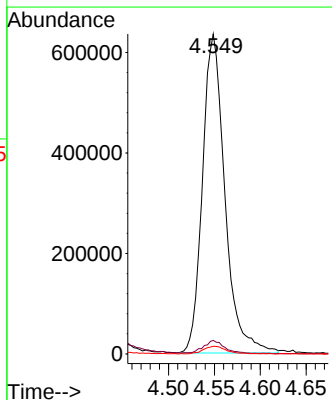
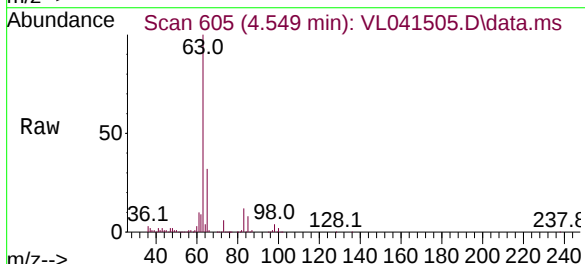
Instrument :
MSVOA_1
ClientSampleId :
VL0808ABS01

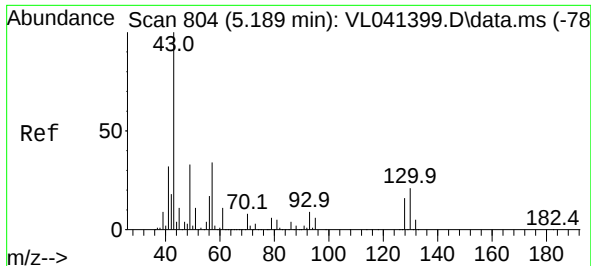
Tgt Ion:	43	Resp:	986430
Ion	Ratio	Lower	Upper
43	100		
86	5.7	4.6	6.8
42	9.7	7.9	11.9
44	6.2	4.2	6.4



#24
1,1-Dichloroethane
Concen: 10.200 ppbv
RT: 4.549 min Scan# 605
Delta R.T. -0.013 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion:	63	Resp:	1080436
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	6.0
100	2.4	1.2	3.6





#25

Ethyl Acetate

Concen: 10.419 ppbv

RT: 5.189 min Scan# 804

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

Tgt Ion: 43 Resp: 2438160

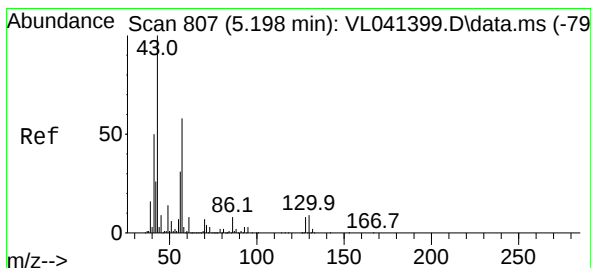
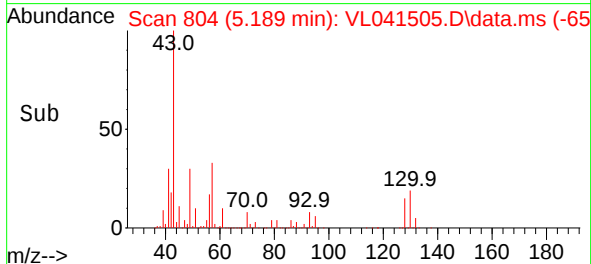
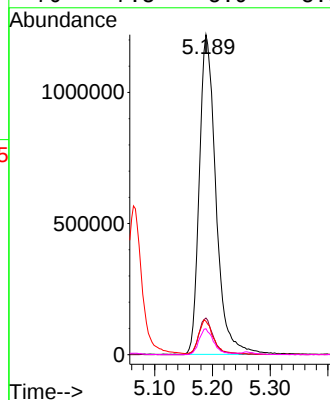
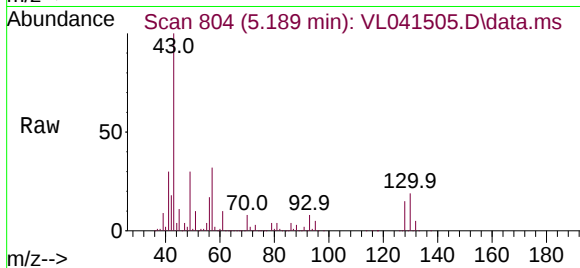
Ion Ratio Lower Upper

43 100

45 10.4 8.5 12.7

61 9.7 8.0 12.0

70 7.3 5.9 8.9



#26

Hexane

Concen: 10.377 ppbv

RT: 5.198 min Scan# 807

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Tgt Ion: 57 Resp: 1007382

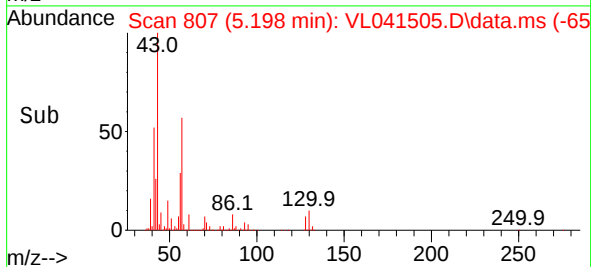
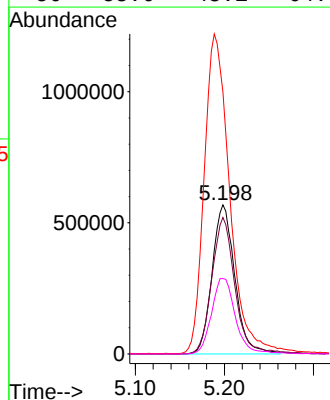
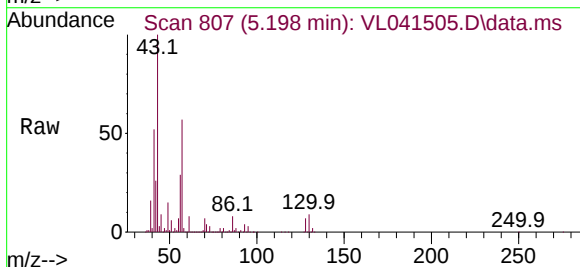
Ion Ratio Lower Upper

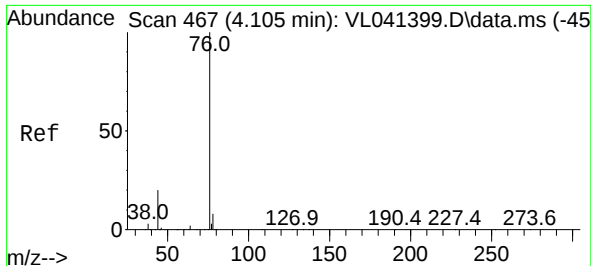
57 100

41 93.6 74.0 111.0

43 242.7 193.6 290.4

56 53.6 43.1 64.7

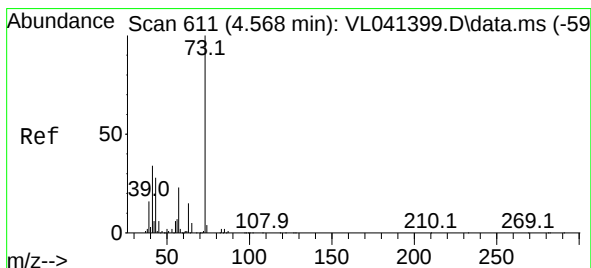
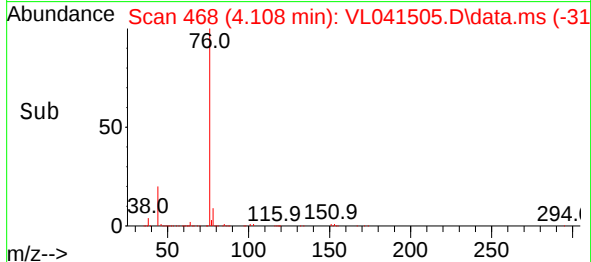
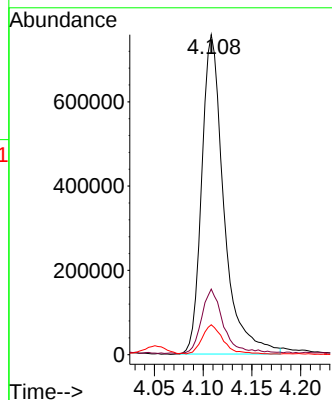
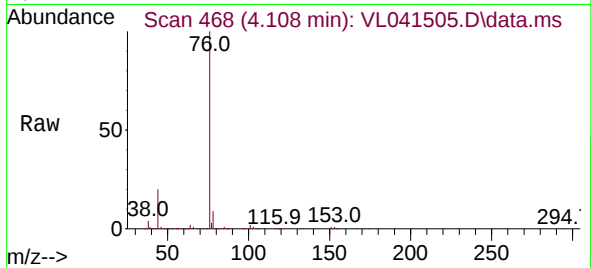




#27
Carbon Disulfide
Concen: 10.591 ppbv
RT: 4.108 min Scan# 4
Delta R.T. -0.016 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

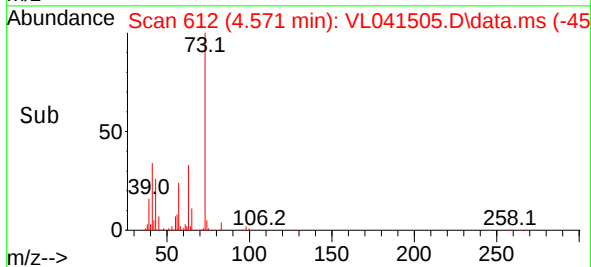
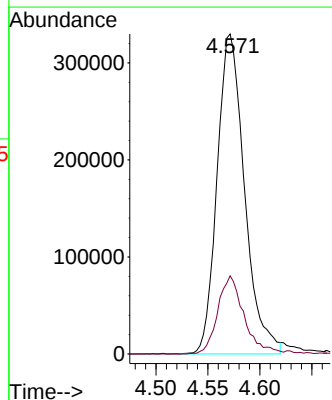
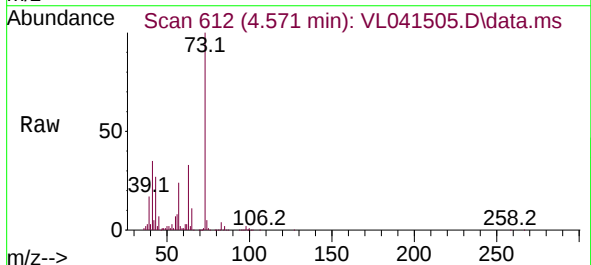
Instrument :
MSVOA_1
ClientSampleId :
VL0808ABS01

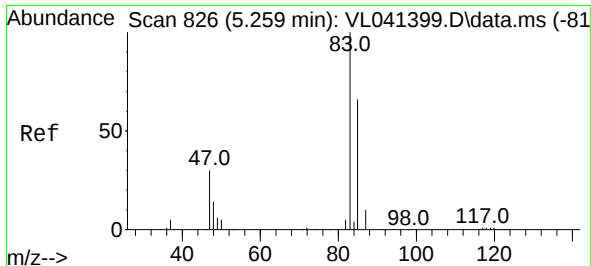
Tgt Ion: 76 Resp: 1202786
Ion Ratio Lower Upper
76 100
44 20.2 15.6 23.4
78 9.7 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 9.910 ppbv
RT: 4.571 min Scan# 612
Delta R.T. -0.010 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 73 Resp: 606713
Ion Ratio Lower Upper
73 100
57 24.0 18.9 28.3





#29

Chloroform

Concen: 9.987 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

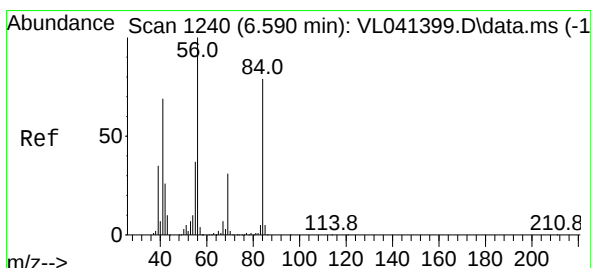
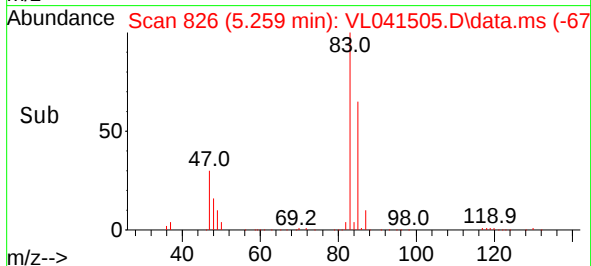
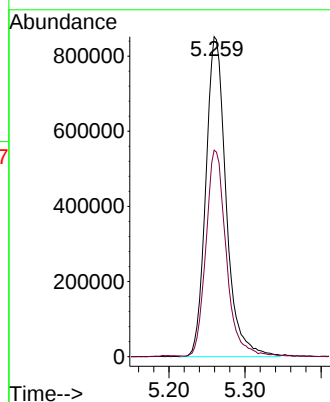
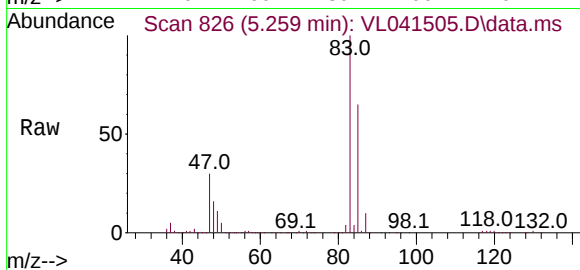
VL0808ABS01

Tgt Ion: 83 Resp: 1581303

Ion Ratio Lower Upper

83 100

85 64.3 53.1 79.7



#30

Cyclohexane

Concen: 10.914 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

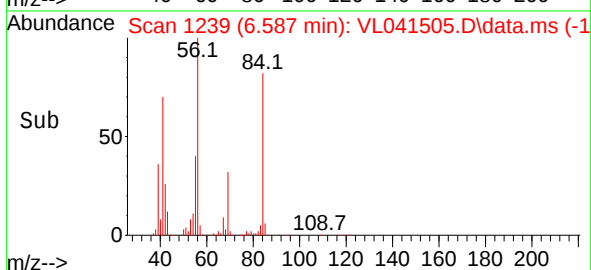
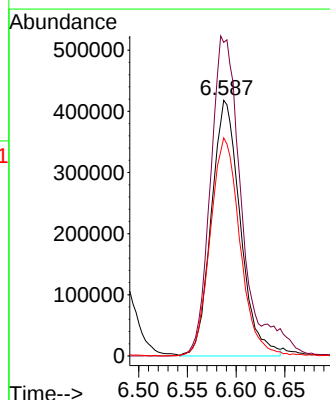
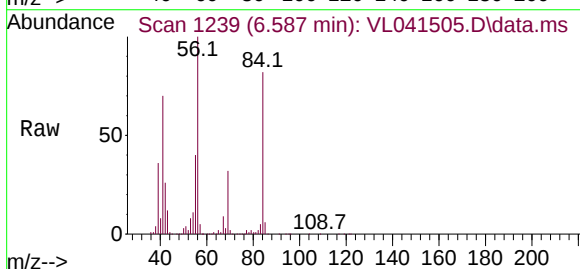
Tgt Ion: 84 Resp: 862757

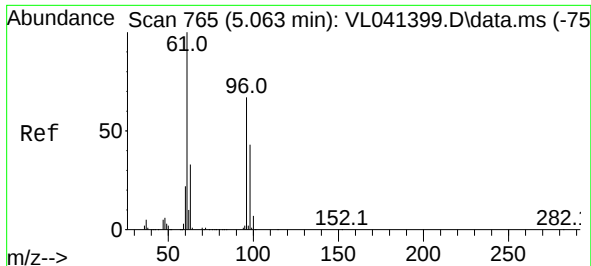
Ion Ratio Lower Upper

84 100

56 136.7 111.2 166.8

41 87.6 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 10.329 ppbv

RT: 5.063 min Scan# 765

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

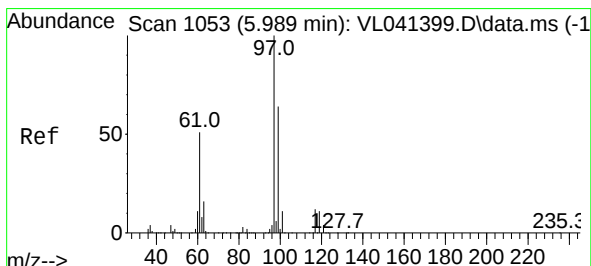
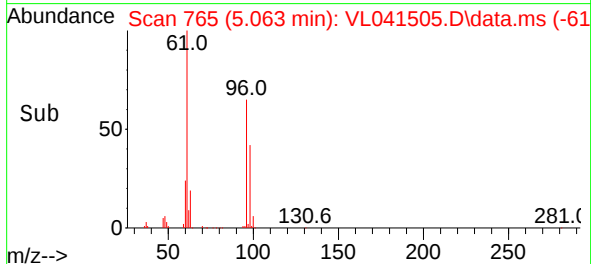
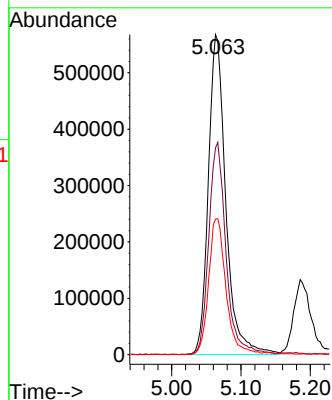
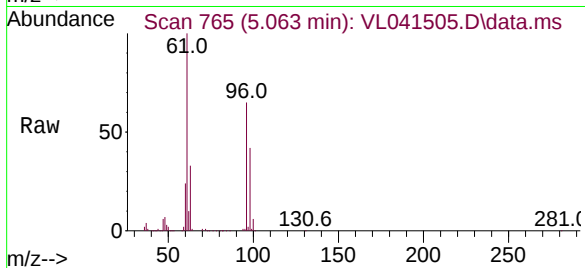
Tgt Ion: 61 Resp: 990545

Ion Ratio Lower Upper

61 100

96 64.6 53.4 80.2

98 42.4 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 10.054 ppbv

RT: 5.989 min Scan# 1053

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

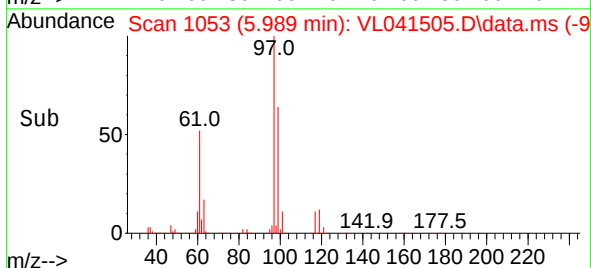
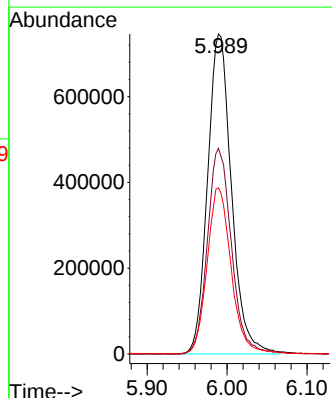
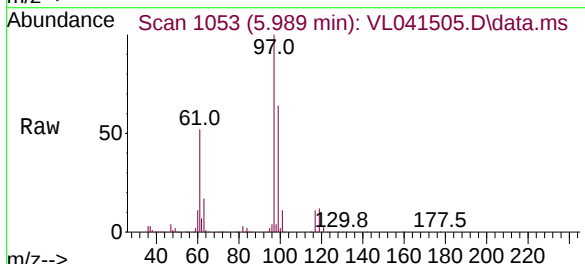
Tgt Ion: 97 Resp: 1549649

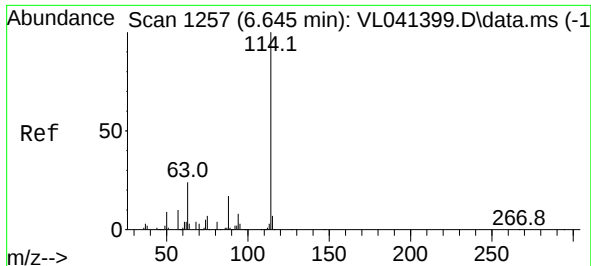
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 52.2 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

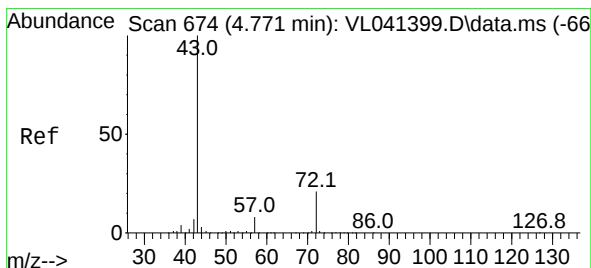
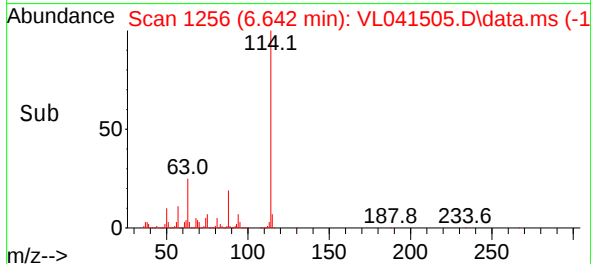
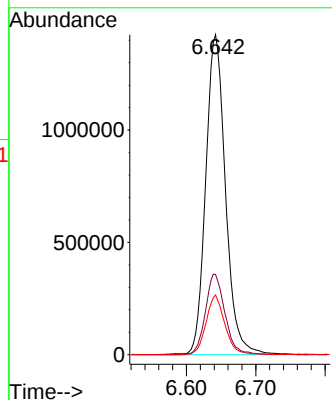
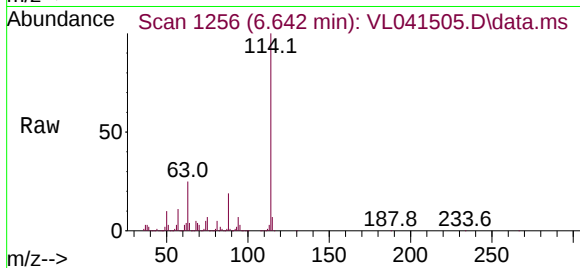
Tgt Ion:114 Resp: 2818389

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 10.484 ppbv

RT: 4.771 min Scan# 674

Delta R.T. -0.013 min

Lab File: VL041505.D

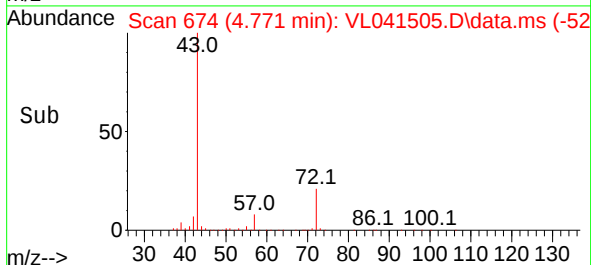
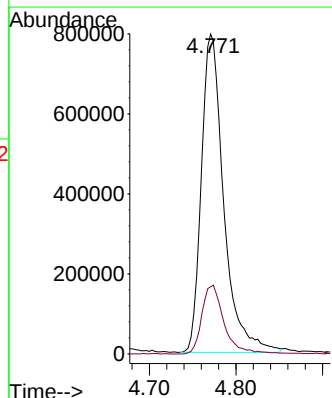
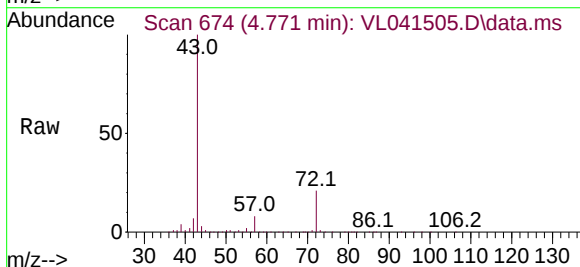
Acq: 8 Aug 2024 9:39

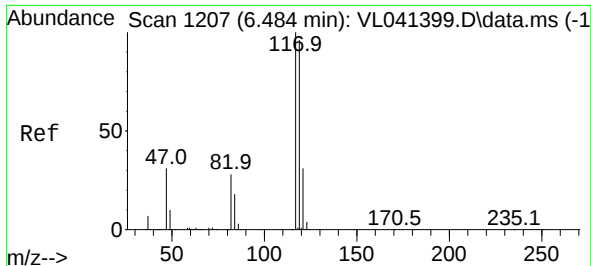
Tgt Ion: 43 Resp: 1429326

Ion Ratio Lower Upper

43 100

72 21.8 17.3 25.9

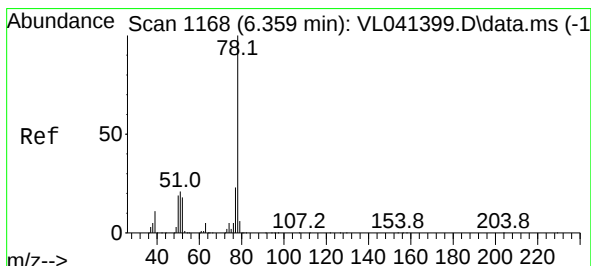
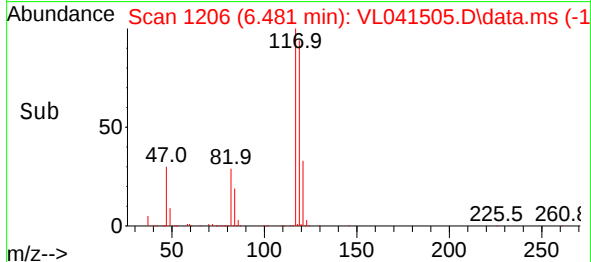
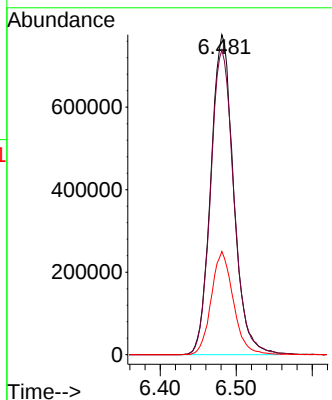
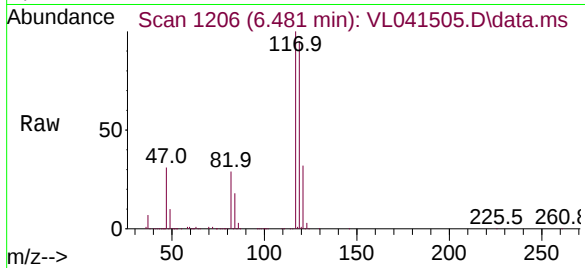




#35
Carbon Tetrachloride
Concen: 10.397 ppbv
RT: 6.481 min Scan# 1167
Delta R.T. -0.010 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

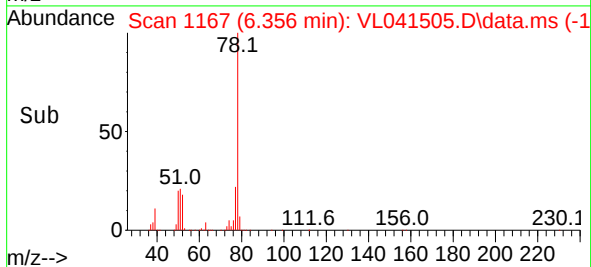
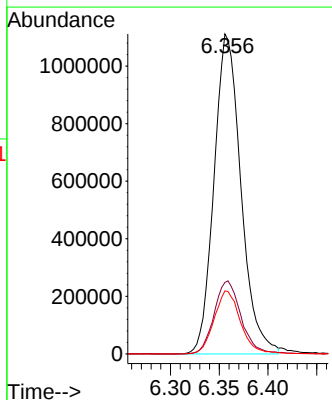
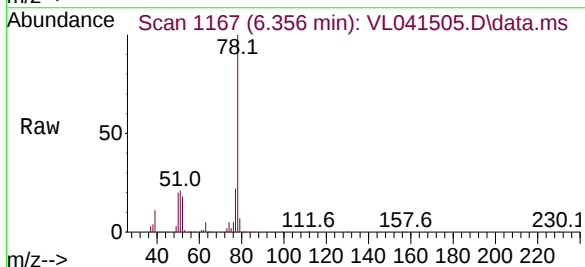
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

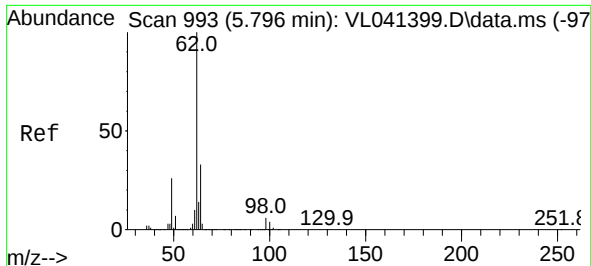
Tgt Ion:117 Resp: 1616273
Ion Ratio Lower Upper
117 100
119 95.2 76.6 115.0
121 32.3 25.1 37.7



#36
Benzene
Concen: 10.367 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.013 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 78 Resp: 2135056
Ion Ratio Lower Upper
78 100
77 22.3 18.1 27.1
50 19.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.363 ppbv

RT: 5.793 min Scan# 993

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

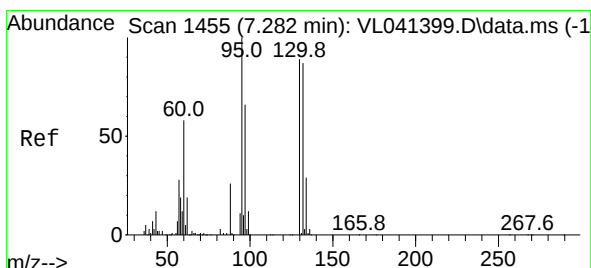
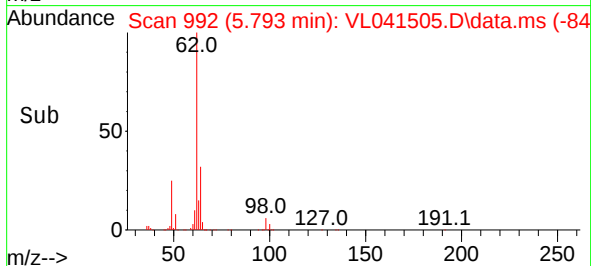
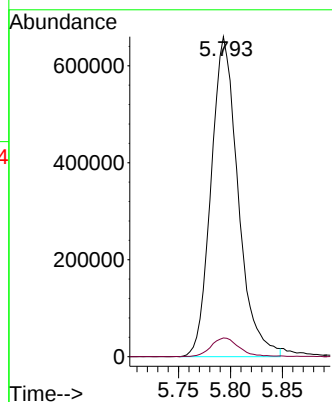
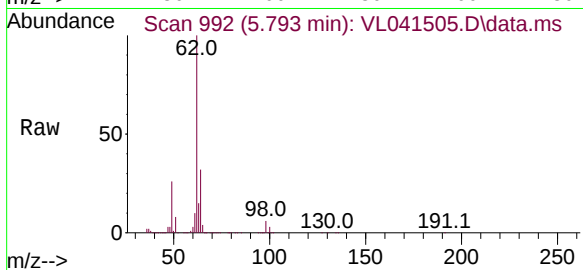
VL0808ABS01

Tgt Ion: 62 Resp: 1194493

Ion Ratio Lower Upper

62 100

98 6.3 5.0 7.4



#38

Trichloroethene

Concen: 10.570 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Tgt Ion:130 Resp: 997228

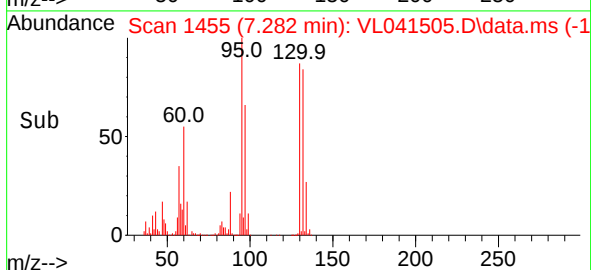
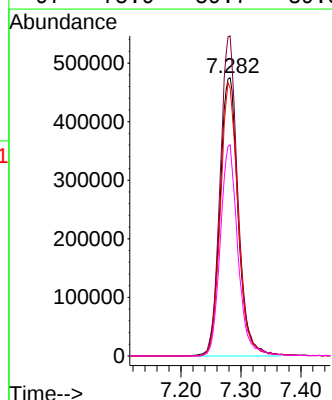
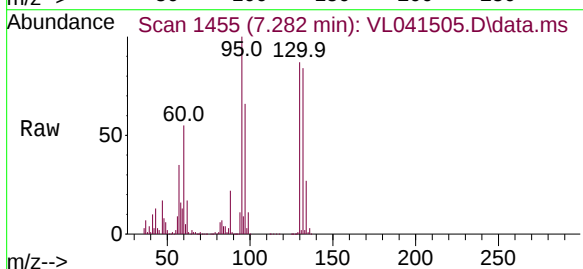
Ion Ratio Lower Upper

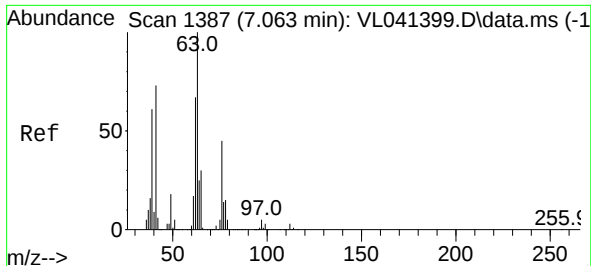
130 100

95 115.0 90.2 135.2

132 96.4 78.1 117.1

97 75.9 59.7 89.5





#39

1,2-Dichloropropane

Concen: 10.521 ppbv

RT: 7.060 min Scan# 1438

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

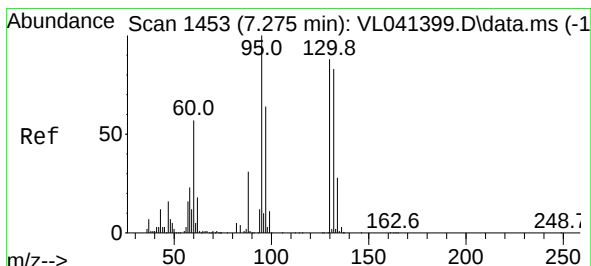
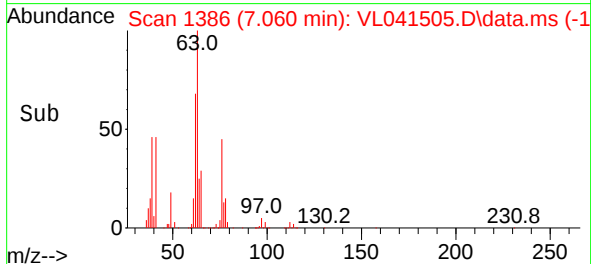
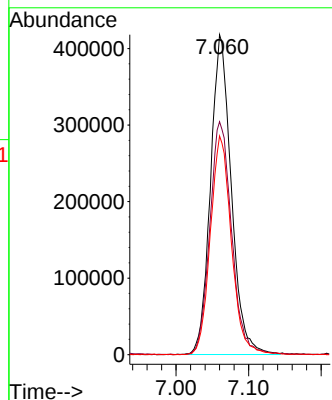
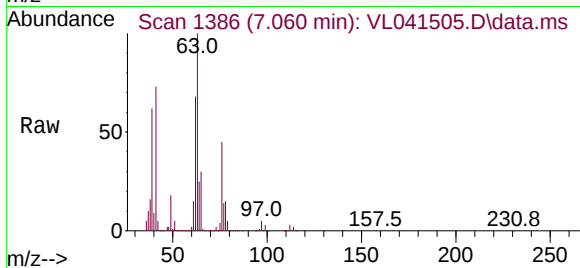
Tgt Ion: 63 Resp: 829487

Ion Ratio Lower Upper

63 100

41 72.8 58.3 87.5

62 68.4 53.9 80.9



#40

1,4-Dioxane

Concen: 9.424 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Tgt Ion: 88 Resp: 298472

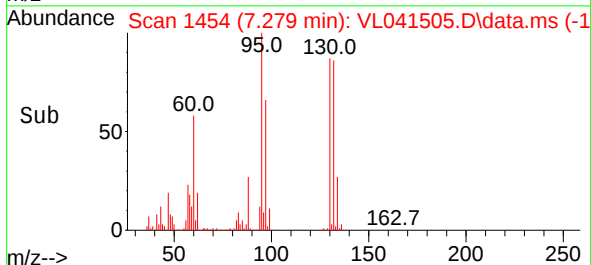
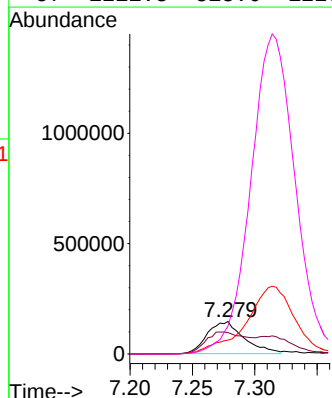
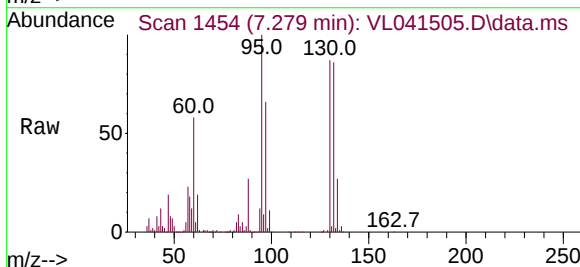
Ion Ratio Lower Upper

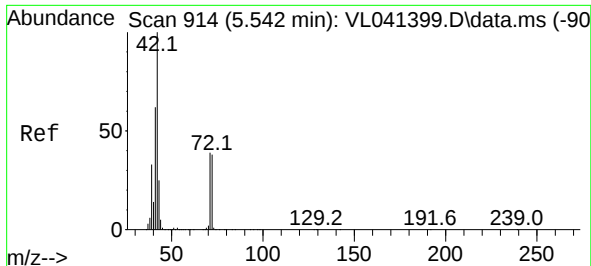
88 100

58 132.4 95.8 143.6

43 278.9 188.2 282.2

57 1211.3 813.6 1220.4





#41

Tetrahydrofuran

Concen: 11.179 ppbv

RT: 5.539 min Scan# 91

Delta R.T. -0.013 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

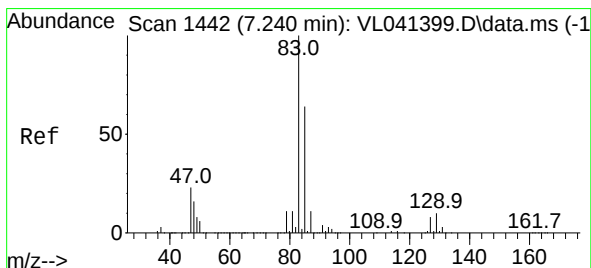
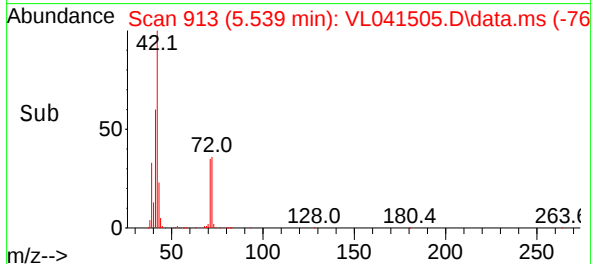
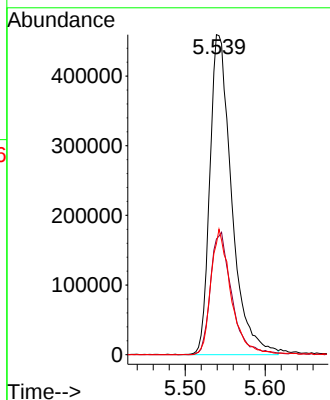
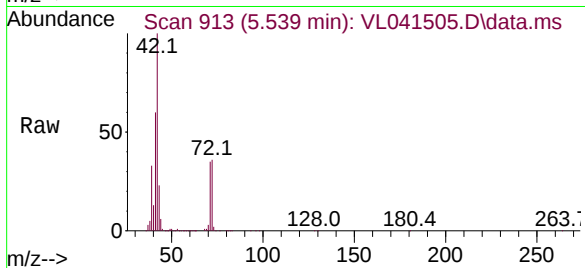
Tgt Ion: 42 Resp: 871664

Ion Ratio Lower Upper

42 100

72 37.7 31.2 46.8

71 36.6 30.5 45.7



#42

Bromodichloromethane

Concen: 10.346 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

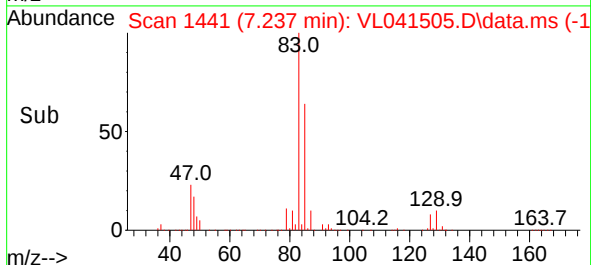
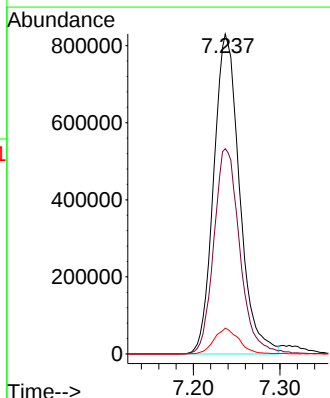
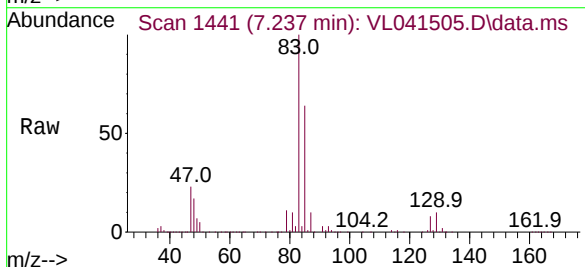
Tgt Ion: 83 Resp: 1721893

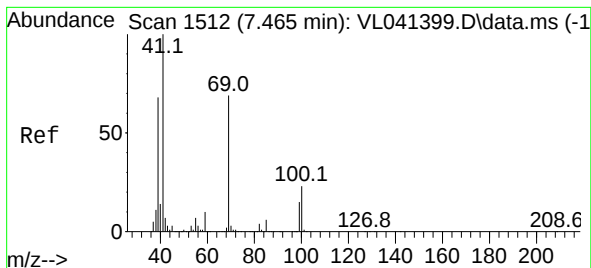
Ion Ratio Lower Upper

83 100

85 64.1 51.4 77.0

127 8.0 6.7 10.1





#43

Methyl Methacrylate

Concen: 11.585 ppbv

RT: 7.462 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

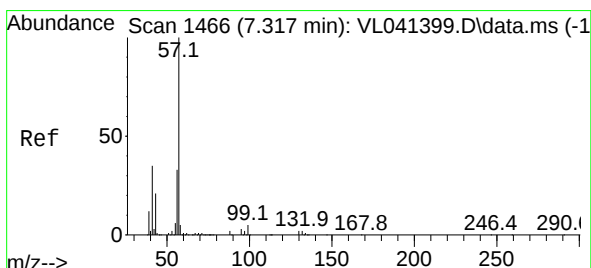
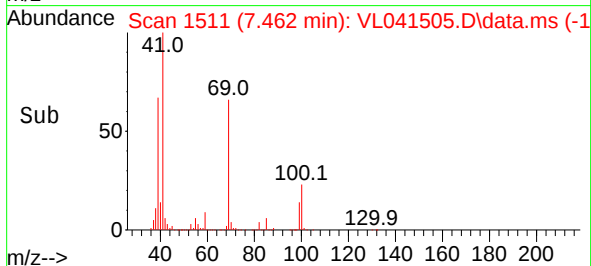
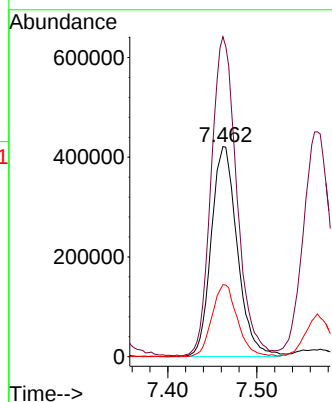
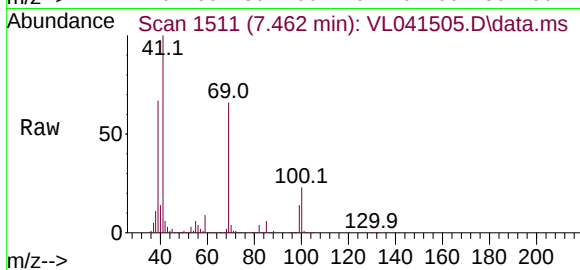
Tgt Ion: 69 Resp: 855545

Ion Ratio Lower Upper

69 100

41 150.4 118.7 178.1

100 33.6 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 10.476 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

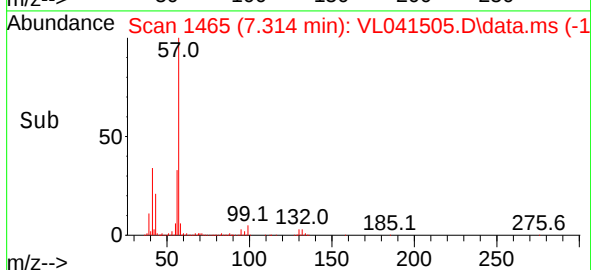
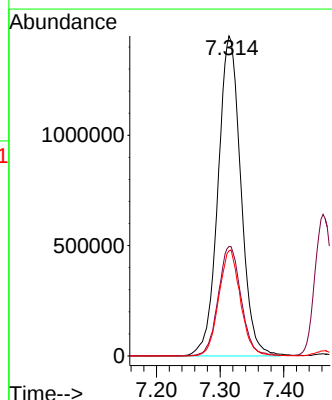
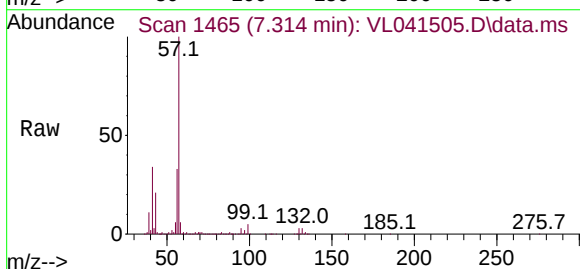
Tgt Ion: 57 Resp: 3603459

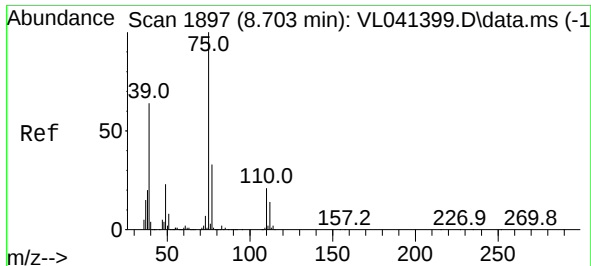
Ion Ratio Lower Upper

57 100

41 34.3 27.0 40.6

56 31.6 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 12.812 ppbv

RT: 8.700 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

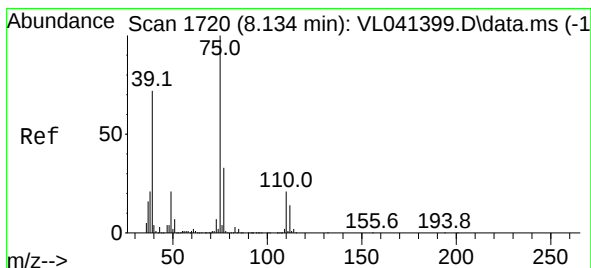
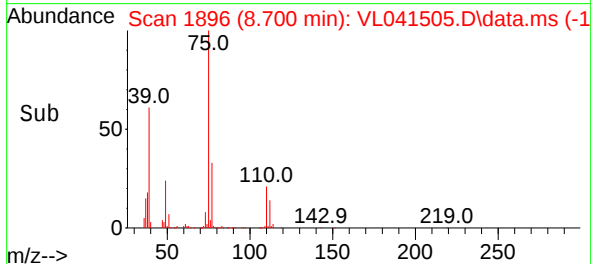
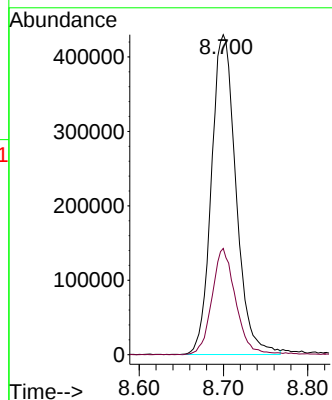
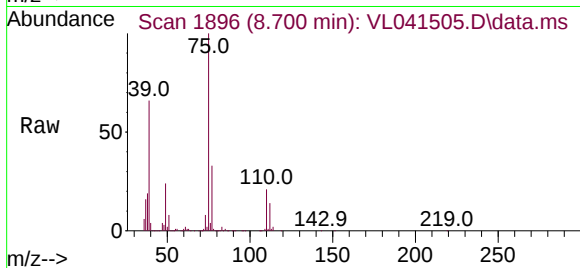
VL0808ABS01

Tgt Ion: 75 Resp: 870875

Ion Ratio Lower Upper

75 100

77 33.2 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 11.926 ppbv

RT: 8.131 min Scan# 1719

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

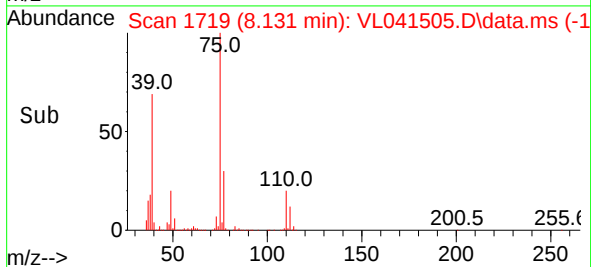
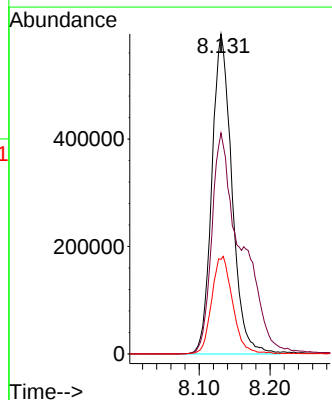
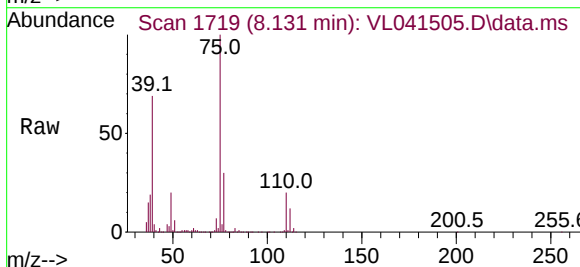
Tgt Ion: 75 Resp: 1170577

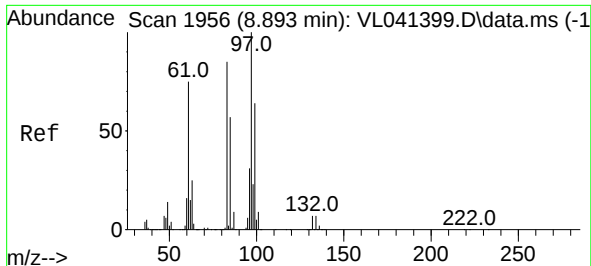
Ion Ratio Lower Upper

75 100

39 69.0 57.3 85.9

77 29.6 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 10.407 ppbv

RT: 8.889 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

Tgt Ion: 97 Resp: 904470

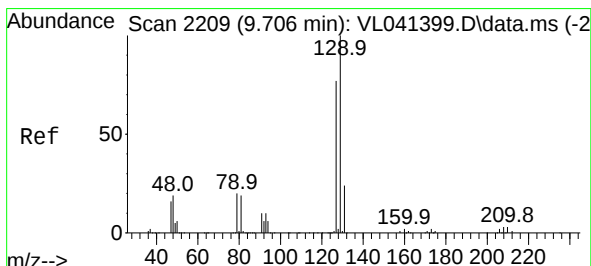
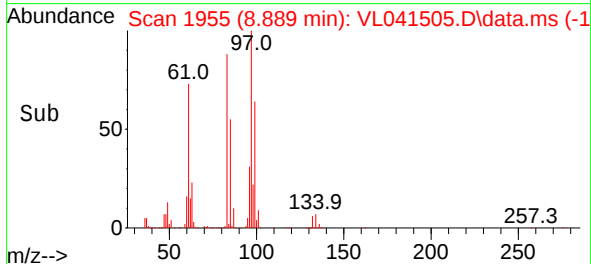
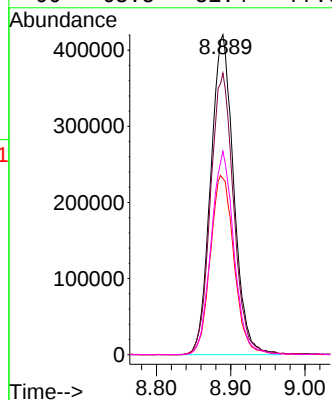
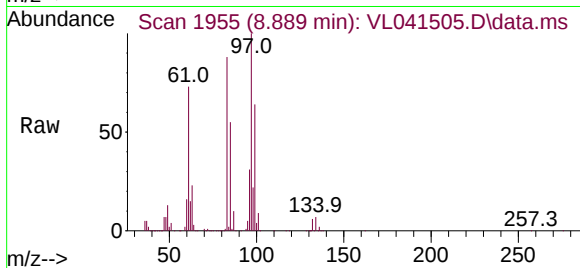
Ion Ratio Lower Upper

97 100

83 87.9 67.6 101.4

85 55.0 45.9 68.9

99 63.5 51.4 77.0



#48

Dibromochloromethane

Concen: 10.667 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. -0.006 min

Lab File: VL041505.D

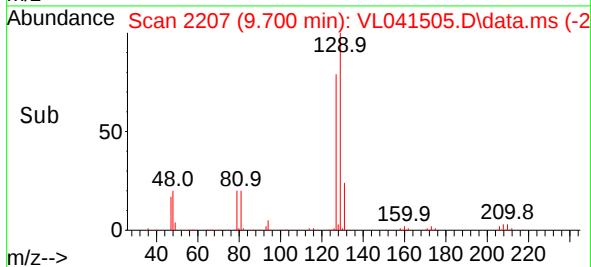
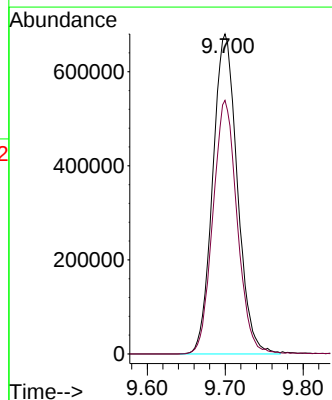
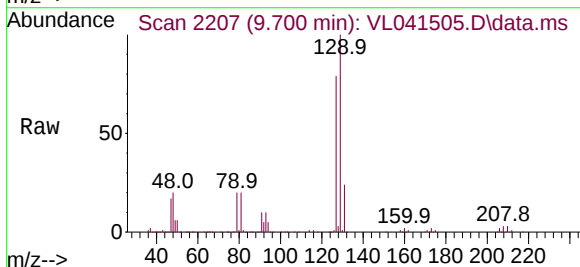
Acq: 8 Aug 2024 9:39

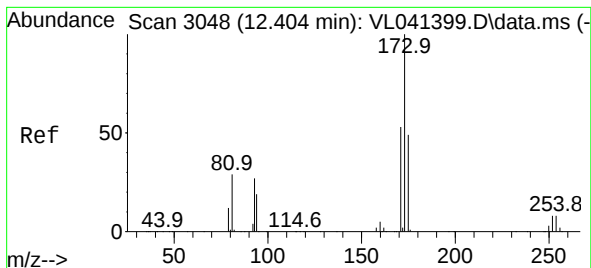
Tgt Ion: 129 Resp: 1493471

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





#49

Bromoform

Concen: 11.335 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

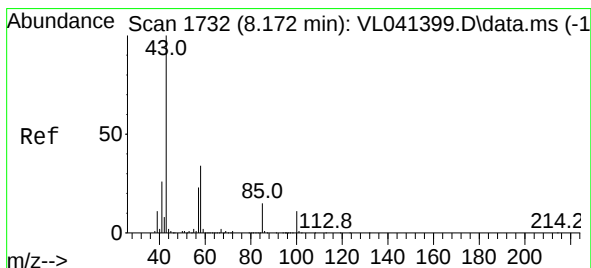
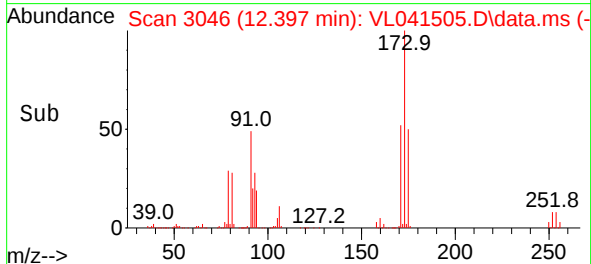
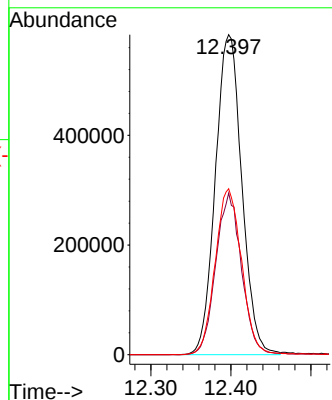
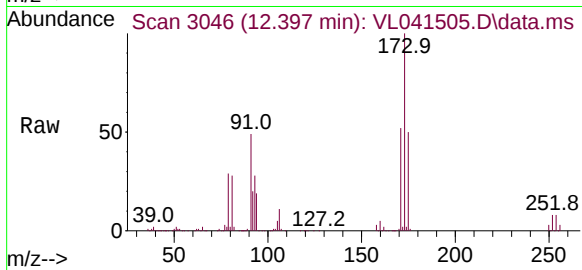
Tgt Ion:173 Resp: 1340539

Ion Ratio Lower Upper

173 100

175 49.2 39.9 59.9

171 52.1 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 11.179 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.006 min

Lab File: VL041505.D

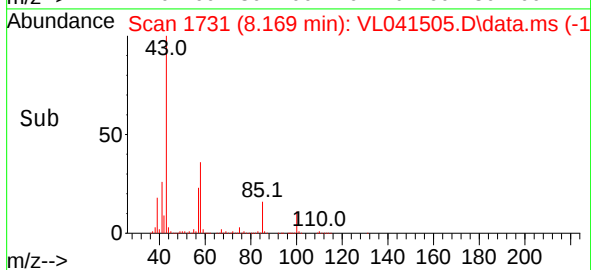
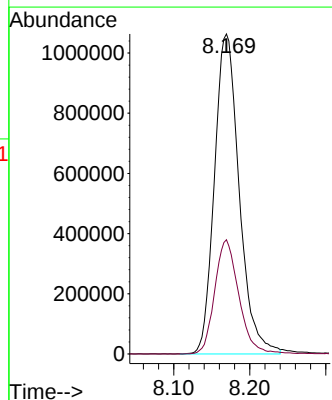
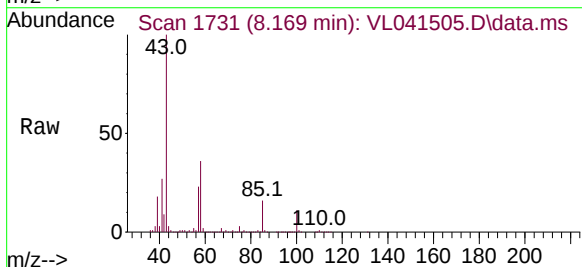
Acq: 8 Aug 2024 9:39

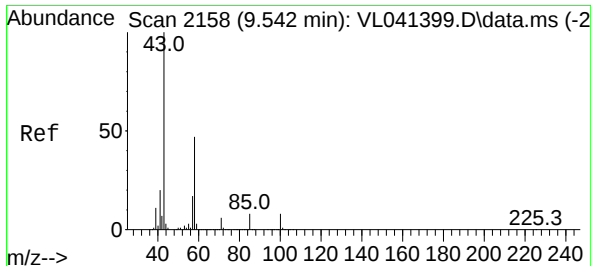
Tgt Ion: 43 Resp: 2404678

Ion Ratio Lower Upper

43 100

58 35.0 27.9 41.9

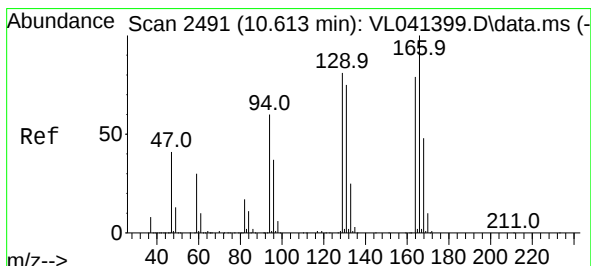
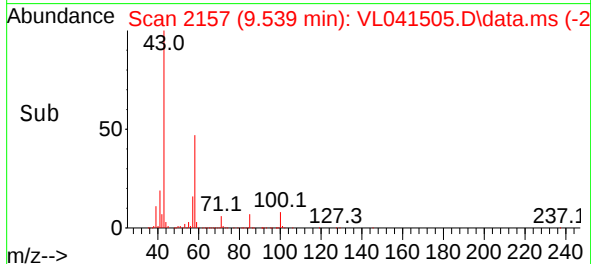
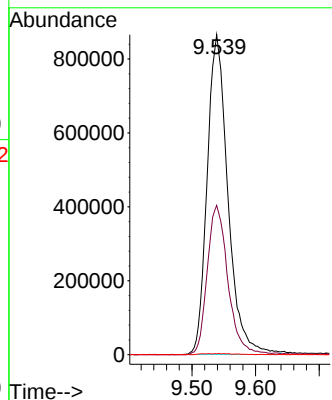
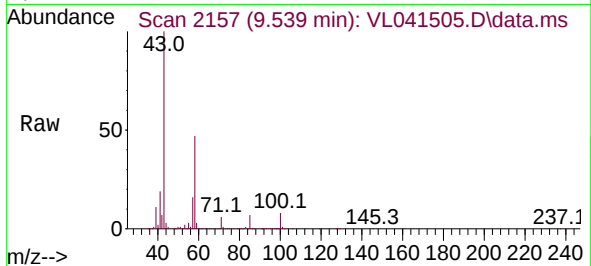




#51
2-Hexanone
Concen: 12.062 ppbv
RT: 9.539 min Scan# 2158
Delta R.T. -0.006 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

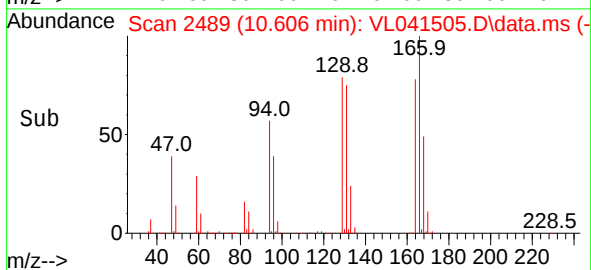
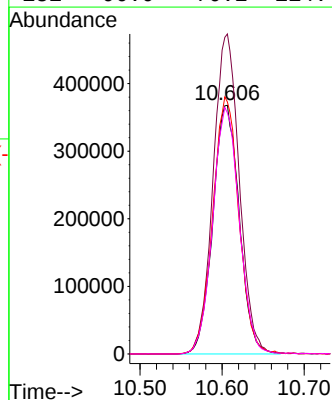
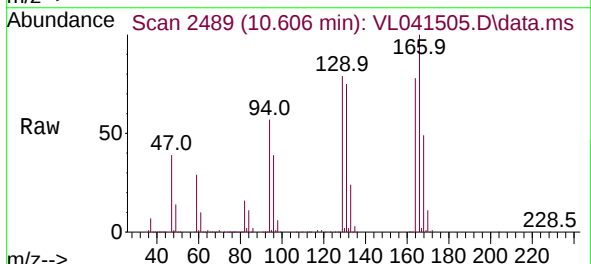
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

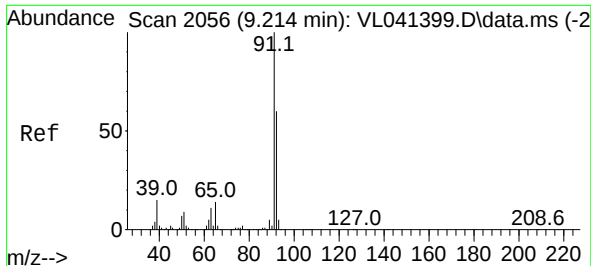
Tgt Ion: 43 Resp: 1961903
Ion Ratio Lower Upper
43 100
58 47.1 38.2 57.2
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.351 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.006 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion:164 Resp: 823642
Ion Ratio Lower Upper
164 100
166 128.5 101.1 151.7
129 101.2 81.7 122.5
131 96.9 76.2 114.4





#53

Toluene

Concen: 11.075 ppbv

RT: 9.208 min Scan# 2056

Delta R.T. -0.010 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

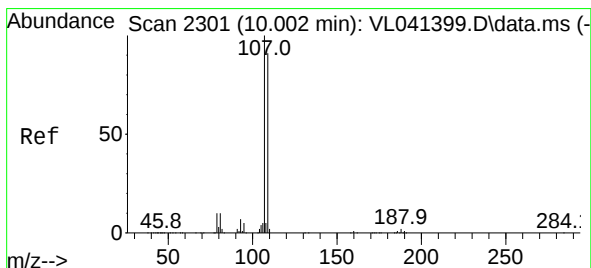
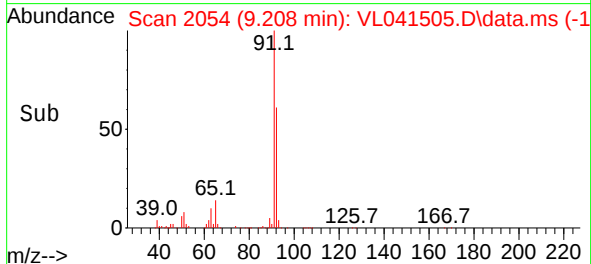
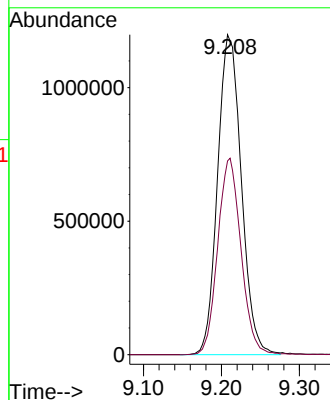
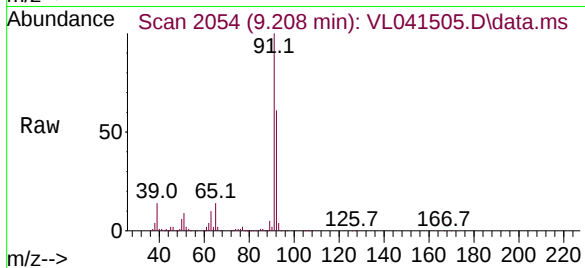
VL0808ABS01

Tgt Ion: 91 Resp: 2540535

Ion Ratio Lower Upper

91 100

92 60.4 48.7 73.1



#54

1,2-Dibromoethane

Concen: 11.348 ppbv

RT: 9.999 min Scan# 2300

Delta R.T. -0.006 min

Lab File: VL041505.D

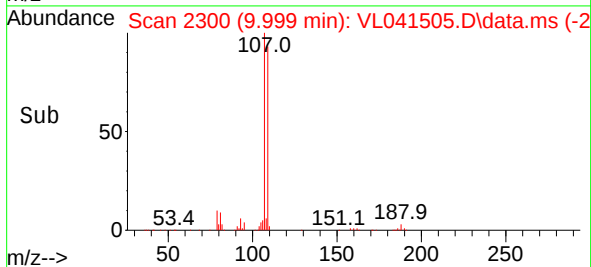
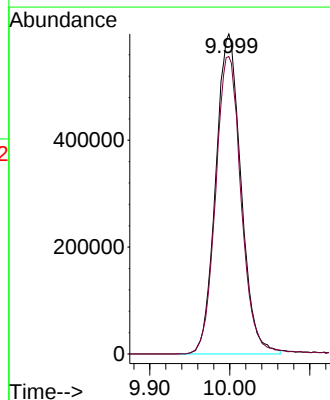
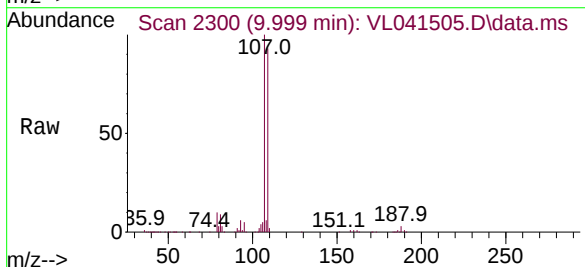
Acq: 8 Aug 2024 9:39

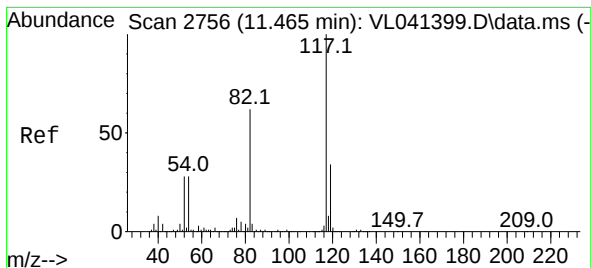
Tgt Ion:107 Resp: 1312754

Ion Ratio Lower Upper

107 100

109 92.9 72.7 109.1

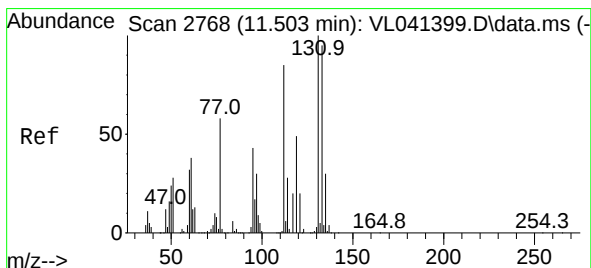
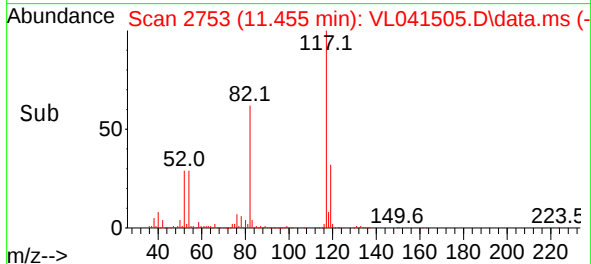
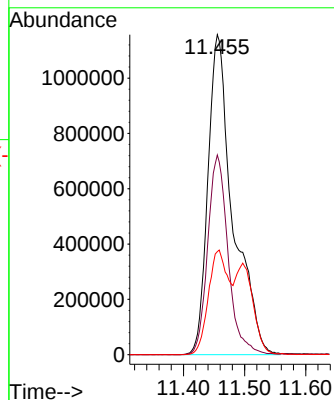
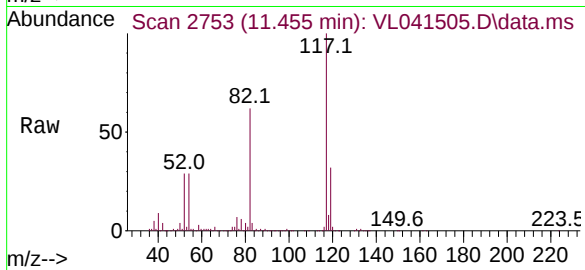




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

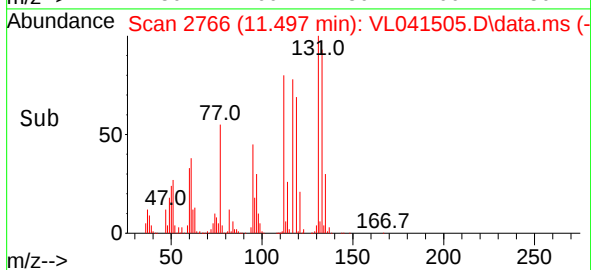
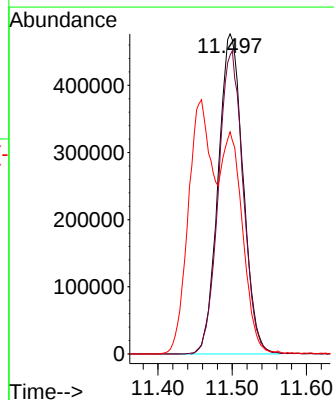
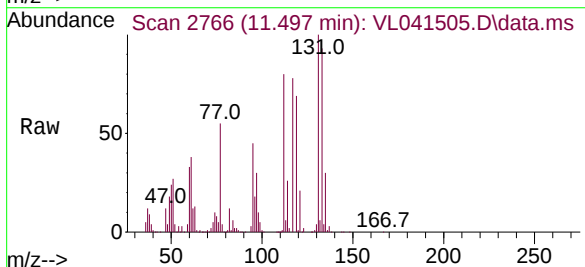
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

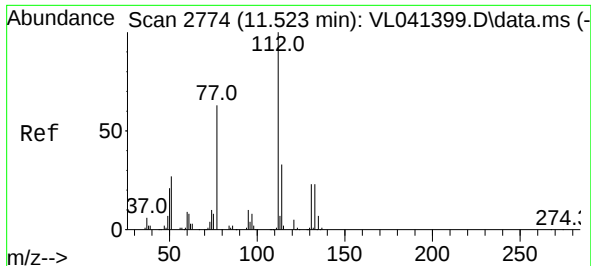
Tgt Ion:117 Resp: 3290640
Ion Ratio Lower Upper
117 100
82 51.0 51.0 76.6#
119 27.1 45.2 67.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.686 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. -0.006 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion:131 Resp: 1108511
Ion Ratio Lower Upper
131 100
133 94.4 77.0 115.4
119 60.0 121.5 182.3#

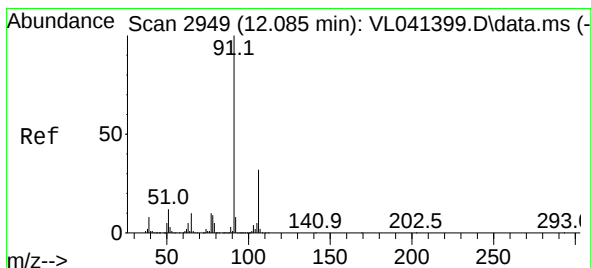
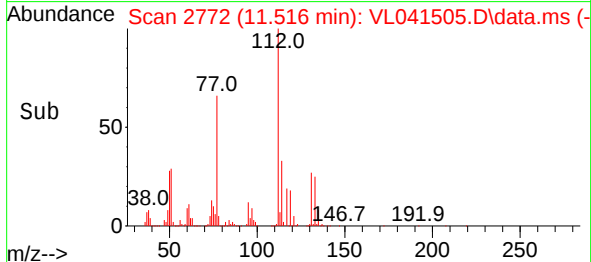
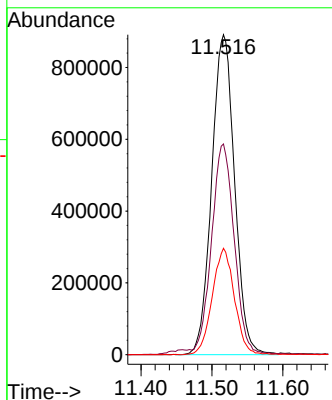
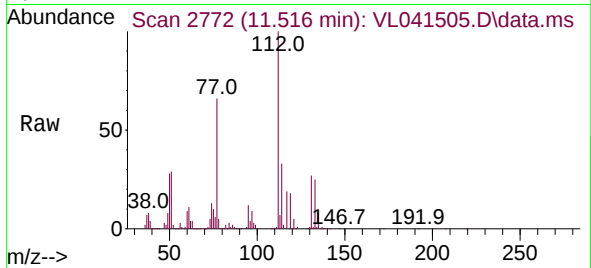




#57
Chlorobenzene
Concen: 8.552 ppbv
RT: 11.516 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

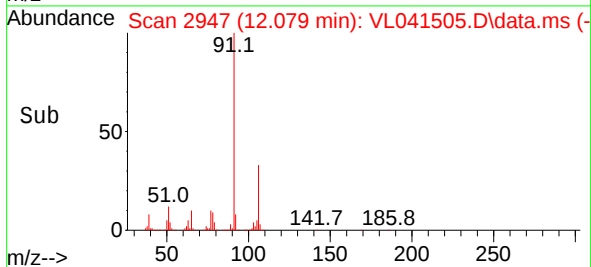
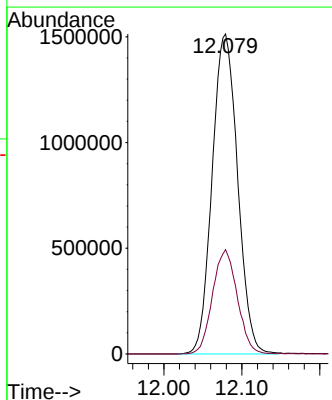
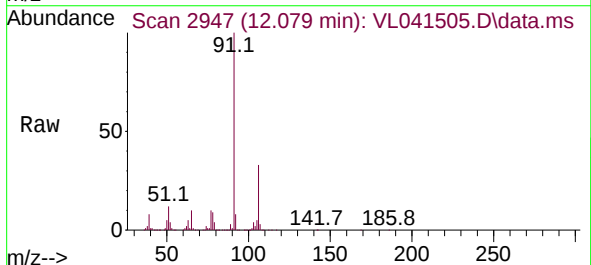
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

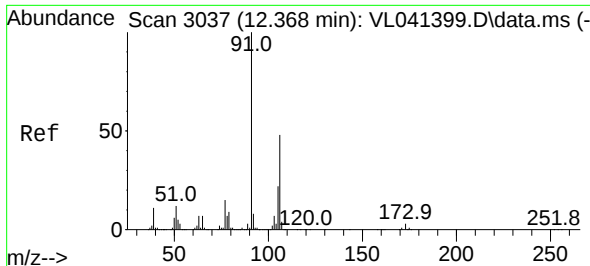
Tgt Ion:112 Resp: 2003627
Ion Ratio Lower Upper
112 100
77 65.4 51.1 76.7
114 33.2 29.5 36.1



#58
Ethyl Benzene
Concen: 9.050 ppbv
RT: 12.079 min Scan# 2947
Delta R.T. -0.006 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion: 91 Resp: 3432326
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8





#59

m/p-Xylene

Concen: 9.140 ppbv

RT: 12.362 min Scan# 3037

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_1

ClientSampleId :

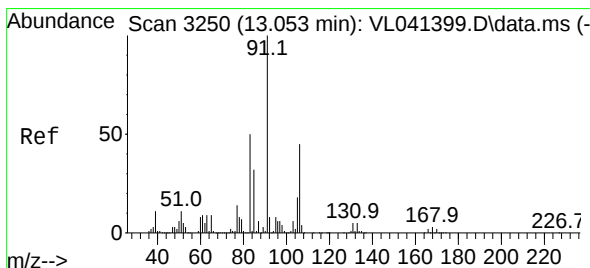
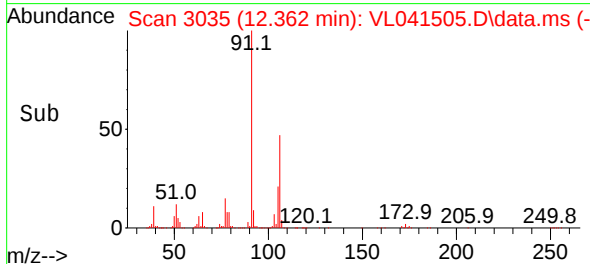
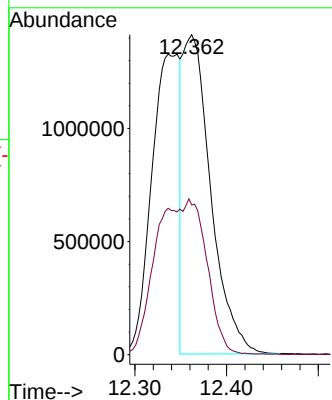
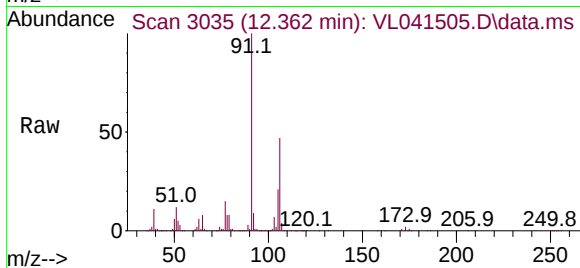
VL0808ABS01

Tgt Ion: 91 Resp: 2992725

Ion Ratio Lower Upper

91 100

106 88.5 36.3 54.5#



#60

o-Xylene

Concen: 9.026 ppbv

RT: 13.050 min Scan# 3249

Delta R.T. -0.003 min

Lab File: VL041505.D

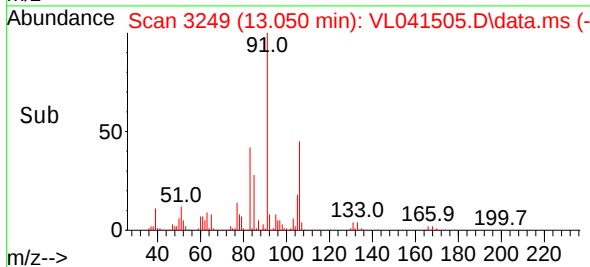
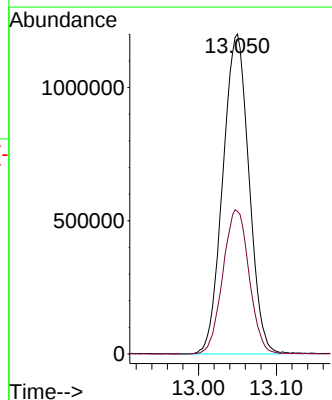
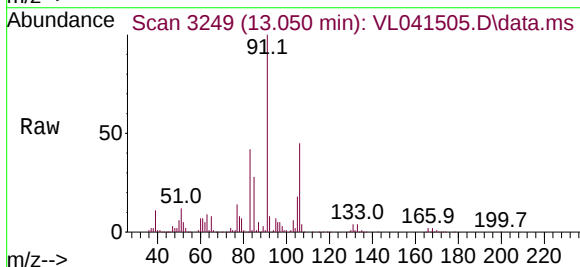
Acq: 8 Aug 2024 9:39

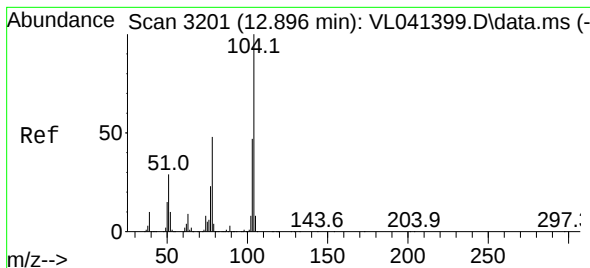
Tgt Ion: 91 Resp: 2795768

Ion Ratio Lower Upper

91 100

106 45.4 23.1 69.3





#61

Styrene

Concen: 9.933 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

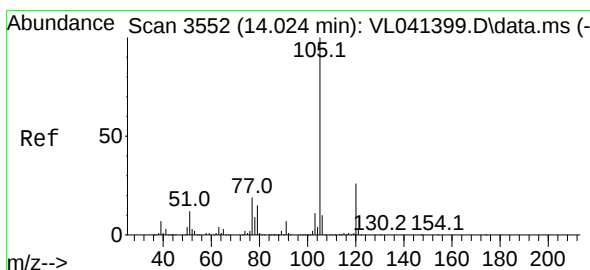
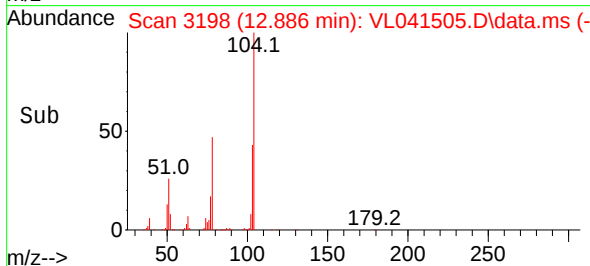
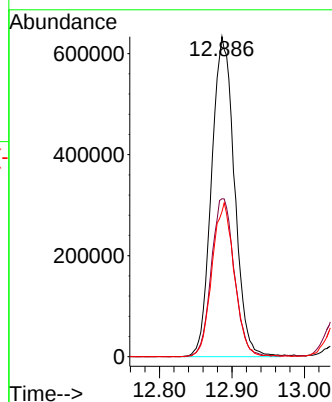
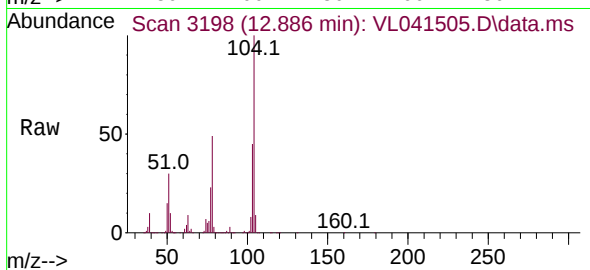
Tgt Ion:104 Resp: 1388008

Ion Ratio Lower Upper

104 100

78 50.0 40.8 61.2

103 47.1 38.2 57.4



#62

Isopropylbenzene

Concen: 8.655 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.003 min

Lab File: VL041505.D

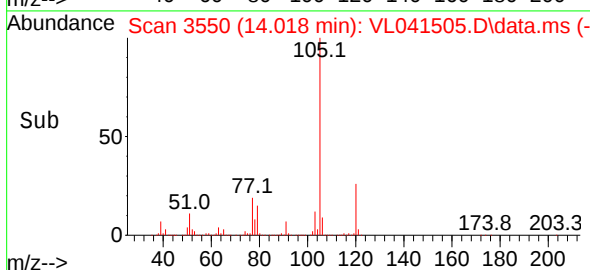
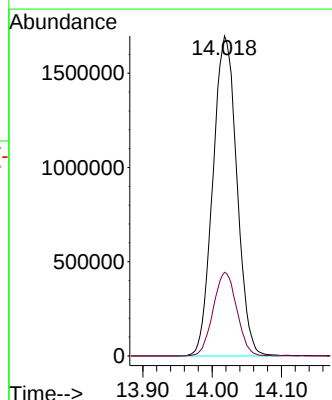
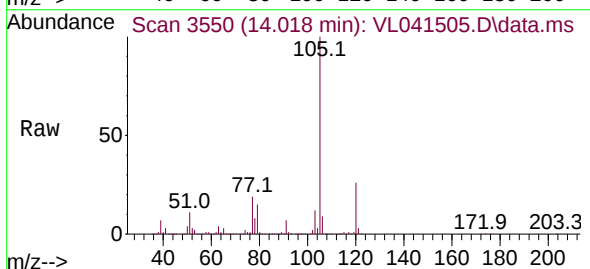
Acq: 8 Aug 2024 9:39

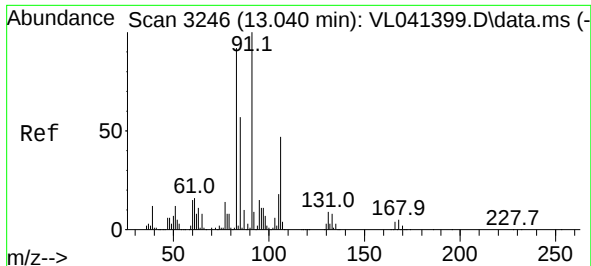
Tgt Ion:105 Resp: 4075363

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

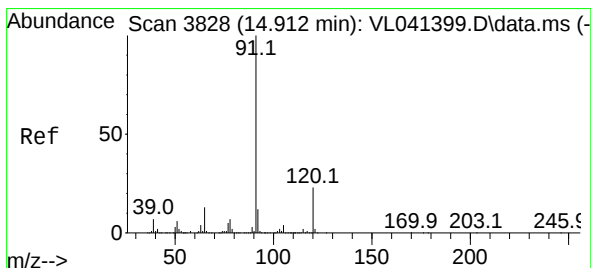
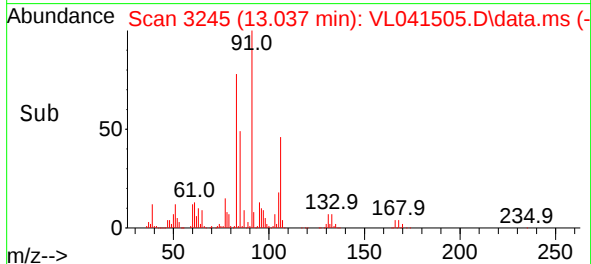
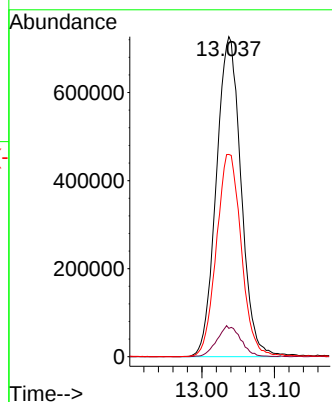
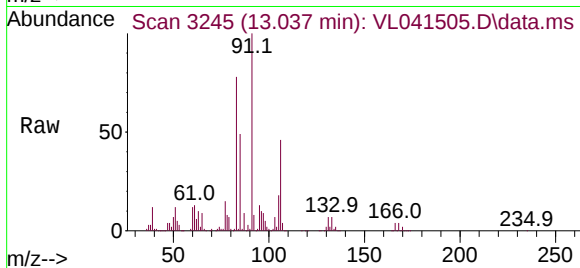




#63
1,1,2,2-Tetrachloroethane
Concen: 8.804 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

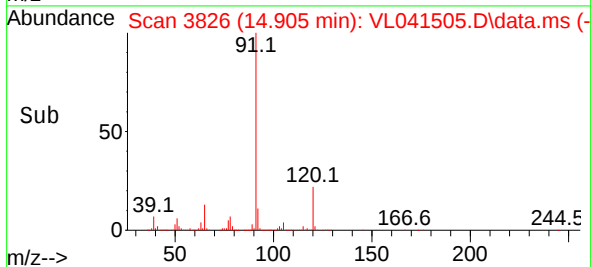
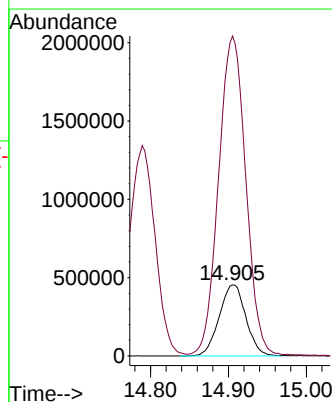
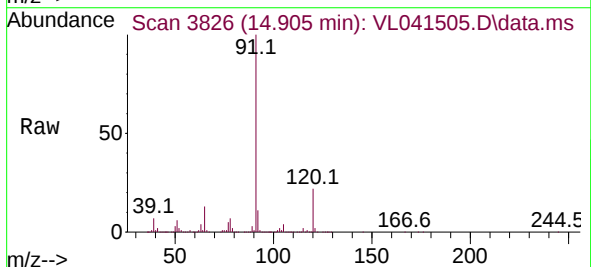
Instrument :
MSVOA_L
ClientSampleId :
VL0808ABS01

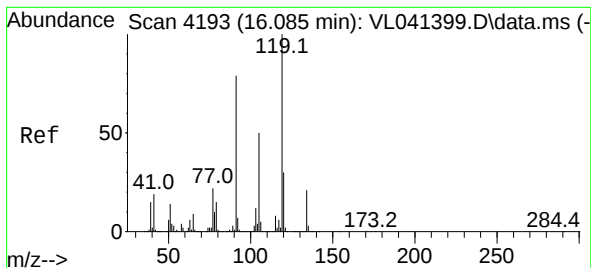
Tgt Ion: 83 Resp: 1721898
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.1 32.6 98.0



#64
n-propylbenzene
Concen: 8.783 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. -0.006 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion:120 Resp: 1081113
Ion Ratio Lower Upper
120 100
91 460.8 361.4 542.0





#65

tert-Butylbenzene

Concen: 8.545 ppbv

RT: 16.076 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

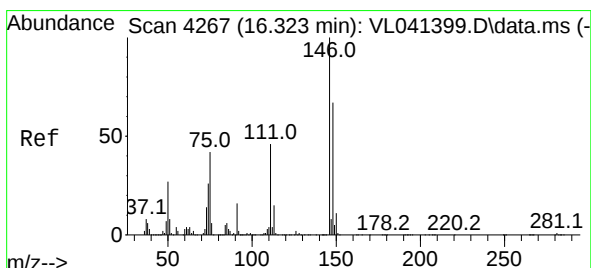
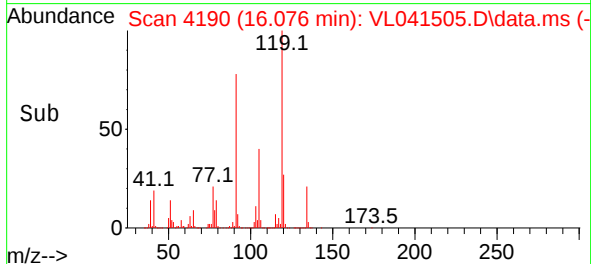
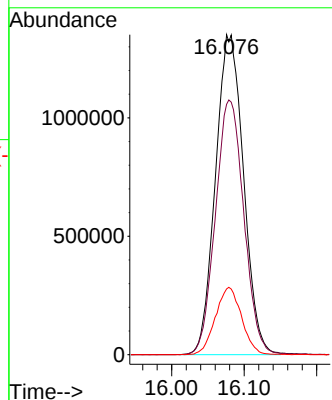
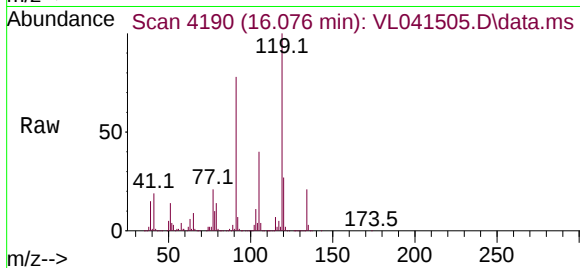
Tgt Ion:119 Resp: 3634119

Ion Ratio Lower Upper

119 100

91 80.8 64.2 96.2

134 19.7 15.7 23.5



#66

Benzyl Chloride

Concen: 10.262 ppbv

RT: 16.314 min Scan# 4264

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

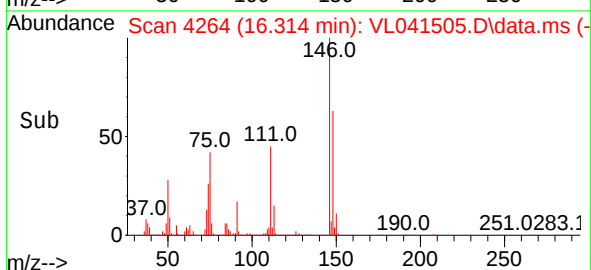
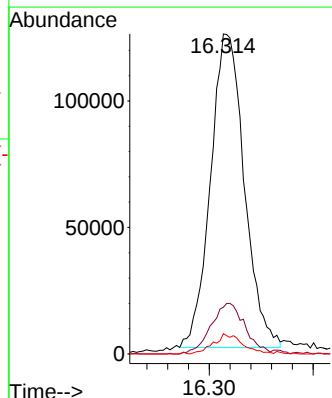
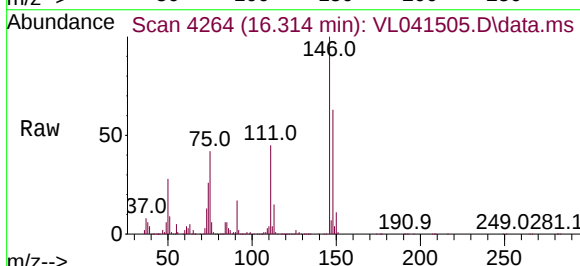
Tgt Ion: 91 Resp: 279937

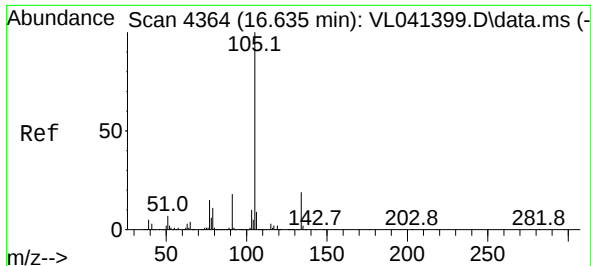
Ion Ratio Lower Upper

91 100

126 16.9 13.8 20.8

128 5.7 4.4 6.6





#67

sec-Butylbenzene

Concen: 8.725 ppbv

RT: 16.622 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

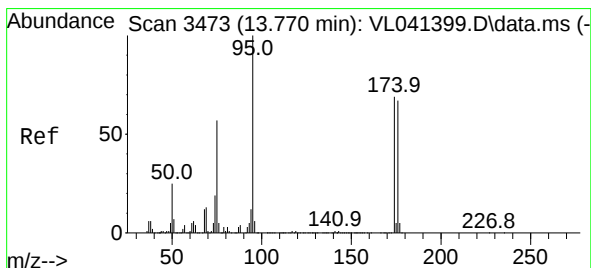
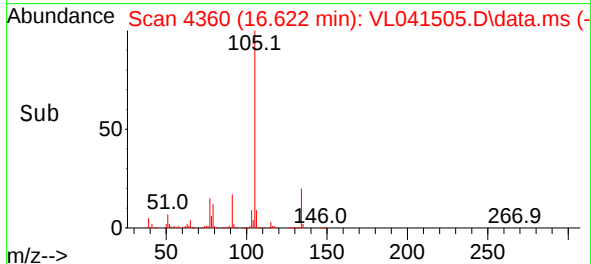
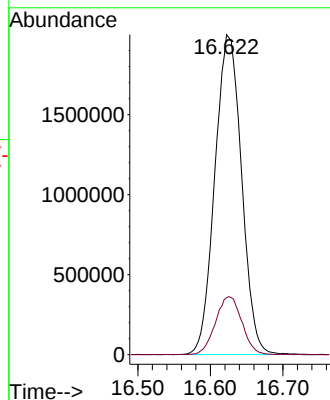
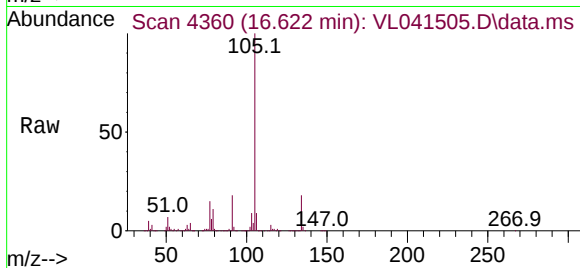
VL0808ABS01

Tgt Ion:105 Resp: 5112169

Ion Ratio Lower Upper

105 100

134 18.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 7.957 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

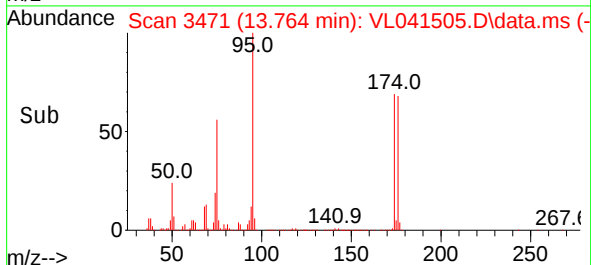
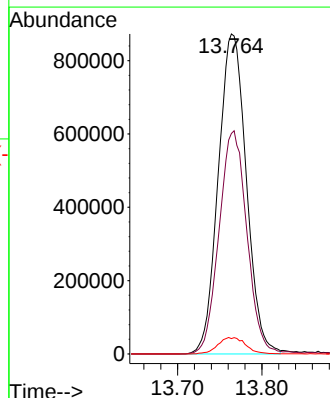
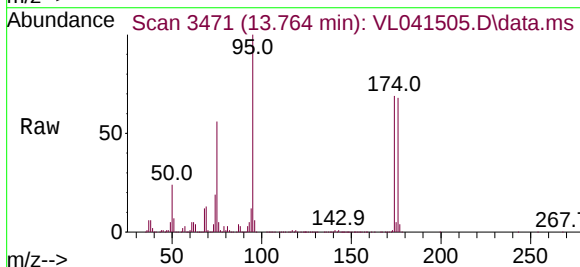
Tgt Ion: 95 Resp: 2015008

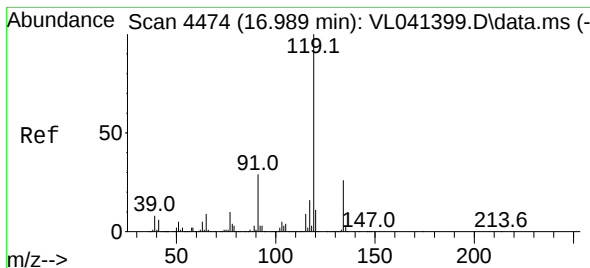
Ion Ratio Lower Upper

95 100

174 69.5 56.3 84.5

175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 8.812 ppbv

RT: 16.986 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

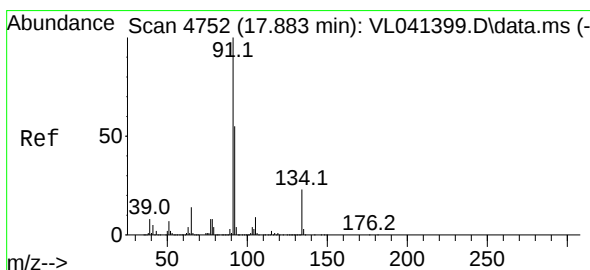
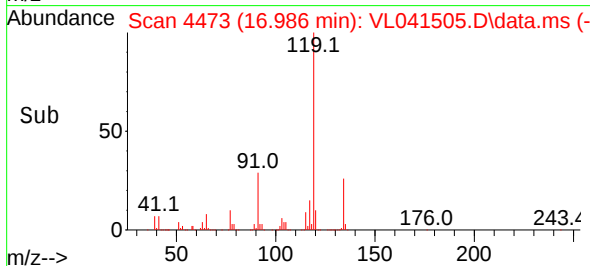
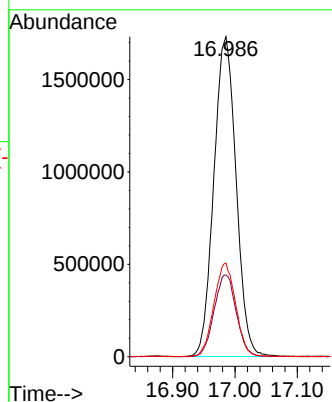
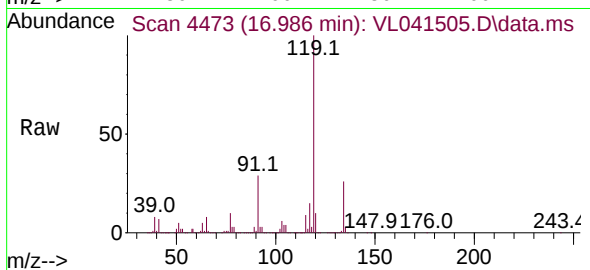
Tgt Ion:119 Resp: 4284866

Ion Ratio Lower Upper

119 100

134 25.6 20.5 30.7

91 28.6 23.2 34.8



#70

n-Butylbenzene

Concen: 8.842 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

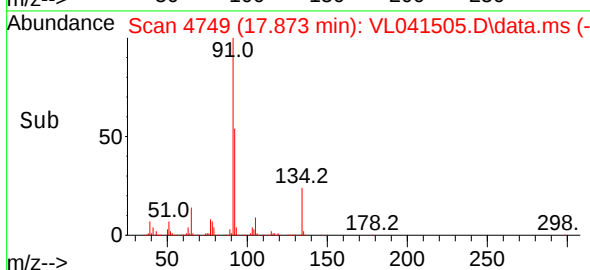
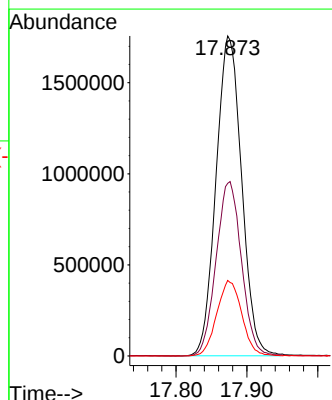
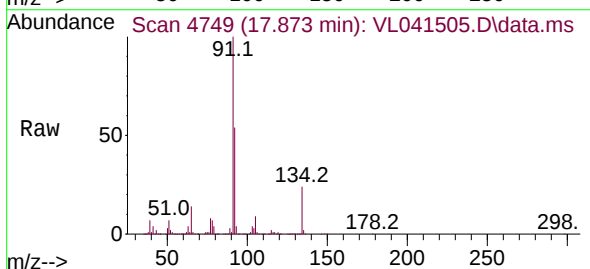
Tgt Ion: 91 Resp: 4407161

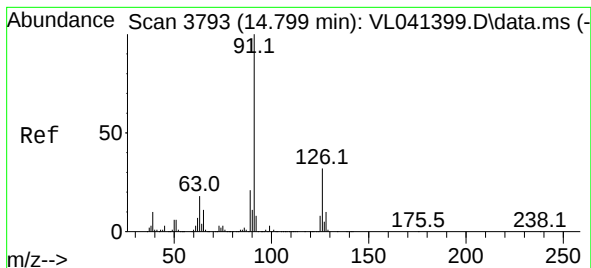
Ion Ratio Lower Upper

91 100

92 54.2 43.2 64.8

134 23.1 18.5 27.7

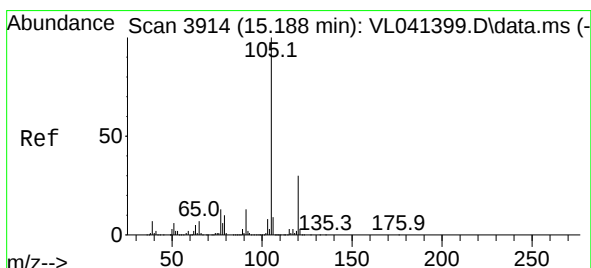
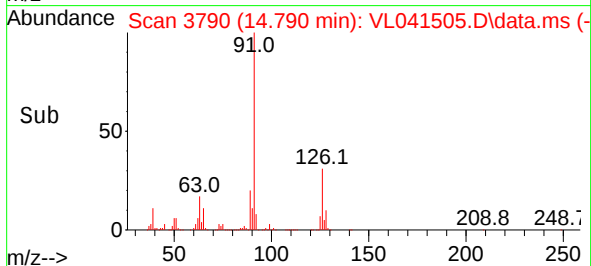
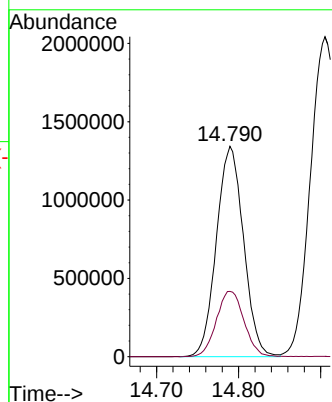
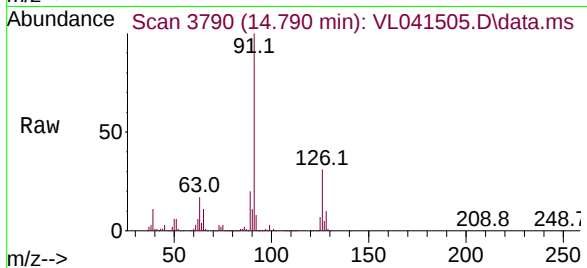




#71
2-Chlorotoluene
Concen: 8.890 ppbv
RT: 14.790 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

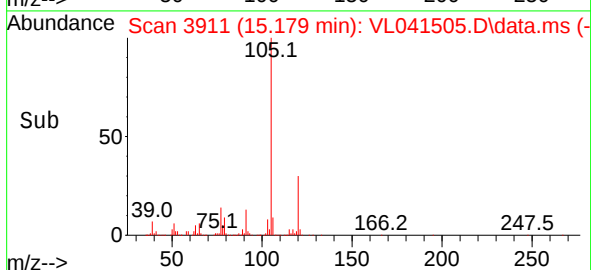
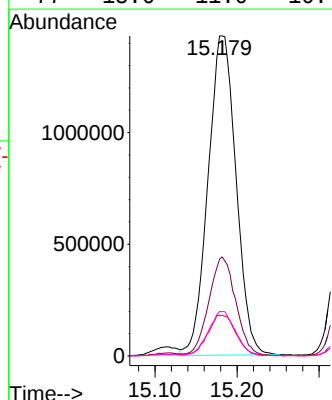
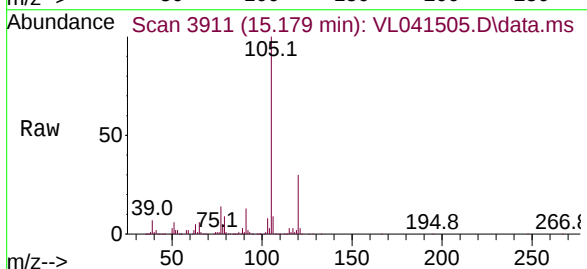
Instrument :
MSVOA_1
ClientSampleId :
VL0808ABS01

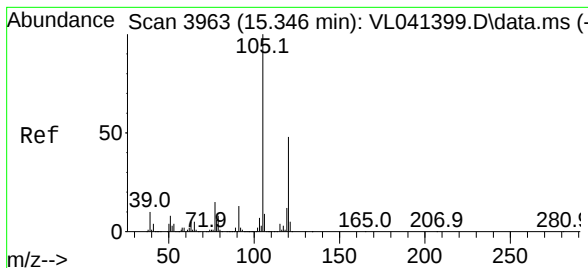
Tgt Ion: 91 Resp: 3086845
Ion Ratio Lower Upper
91 100
126 31.7 12.7 50.9



#72
4-Ethyltoluene
Concen: 9.296 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.010 min
Lab File: VL041505.D
Acq: 8 Aug 2024 9:39

Tgt Ion:105 Resp: 3389594
Ion Ratio Lower Upper
105 100
120 29.9 24.2 36.2
91 13.6 10.4 15.6
77 13.6 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 9.130 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_1

ClientSampleId :

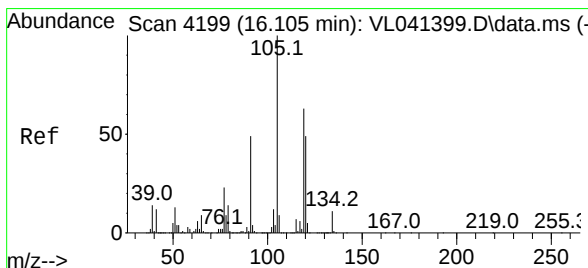
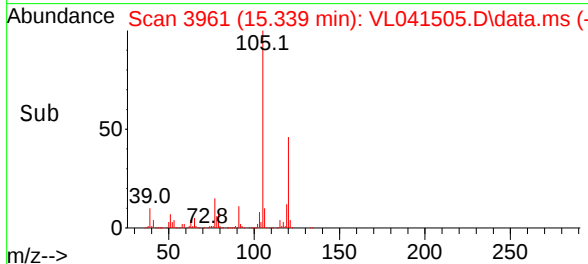
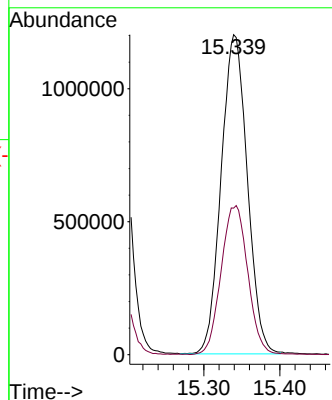
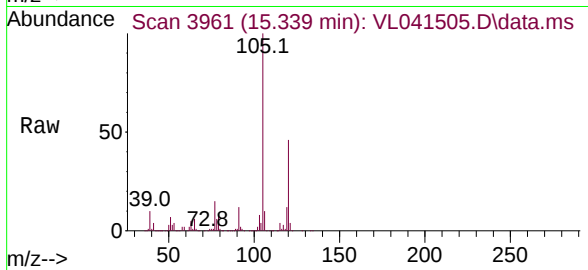
VL0808ABS01

Tgt Ion:105 Resp: 2867978

Ion Ratio Lower Upper

105 100

120 45.8 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 8.734 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Tgt Ion:105 Resp: 3189834

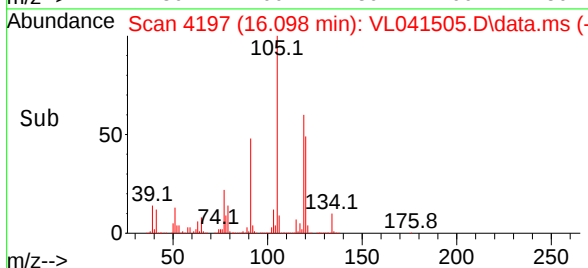
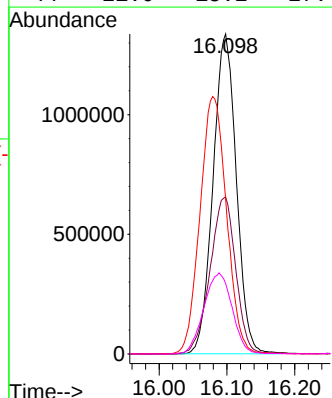
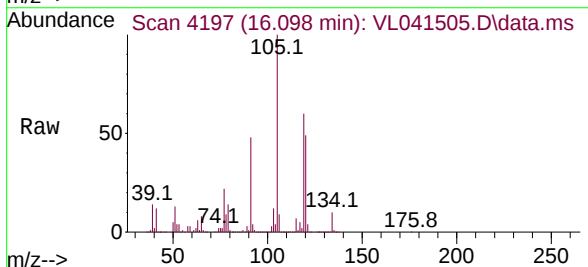
Ion Ratio Lower Upper

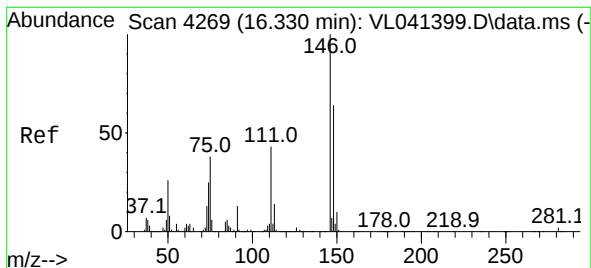
105 100

120 49.0 39.5 59.3

91 48.2 39.8 59.8

77 21.9 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 8.657 ppbv

RT: 16.317 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

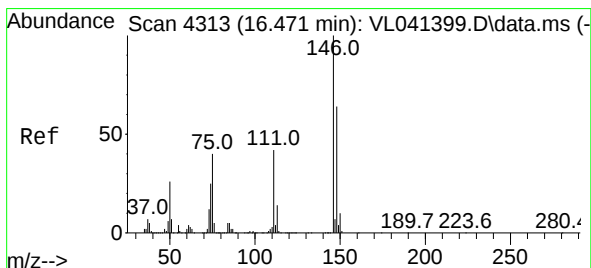
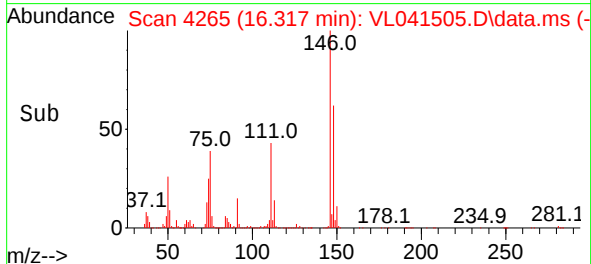
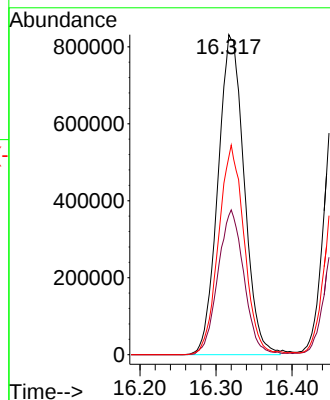
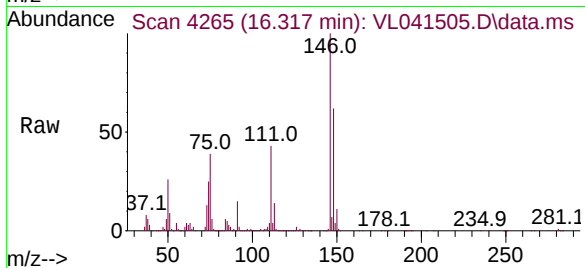
Tgt Ion:146 Resp: 1987381

Ion Ratio Lower Upper

146 100

111 44.9 22.6 67.8

148 64.5 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 8.757 ppbv

RT: 16.461 min Scan# 4310

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

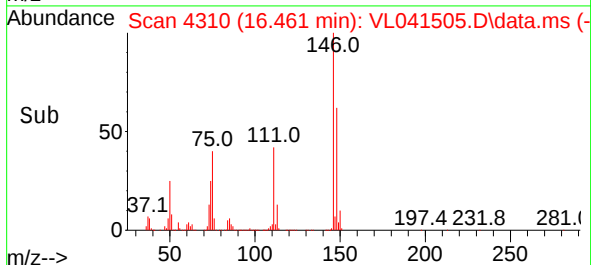
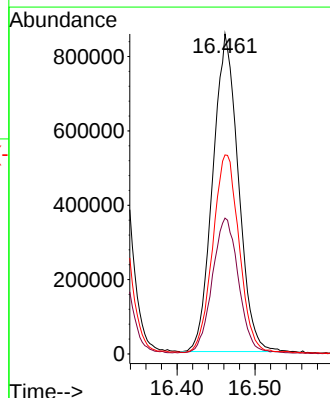
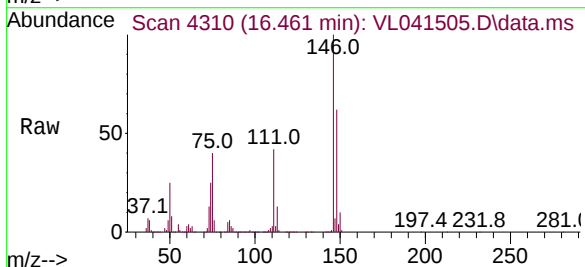
Tgt Ion:146 Resp: 1946715

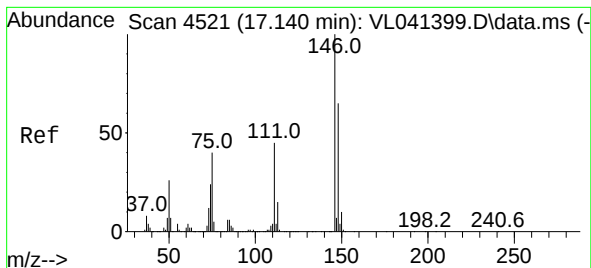
Ion Ratio Lower Upper

146 100

111 44.5 22.4 67.0

148 66.1 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 8.488 ppbv

RT: 17.133 min Scan# 4519

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

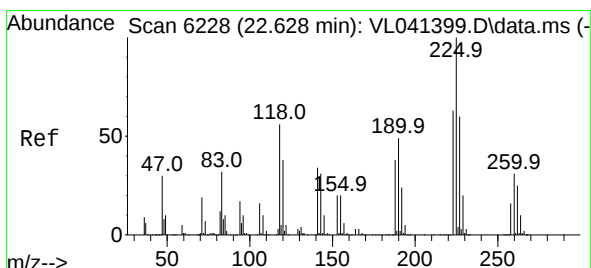
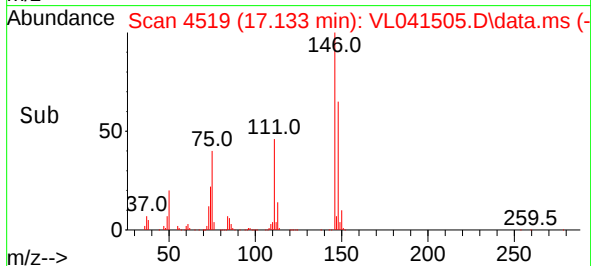
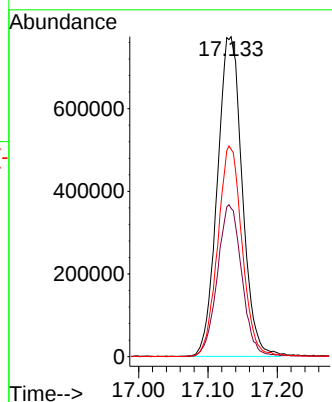
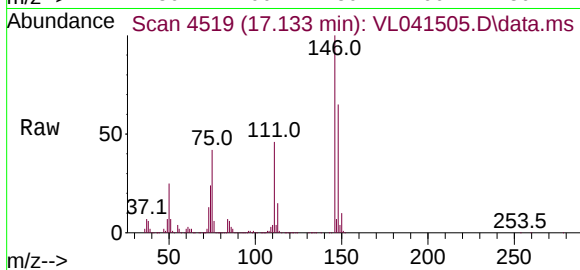
Tgt Ion:146 Resp: 1931870

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.0

148 64.7 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 7.509 ppbv

RT: 22.619 min Scan# 6225

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

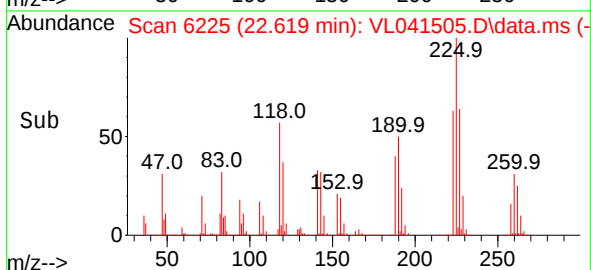
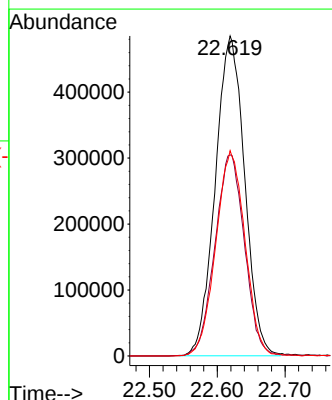
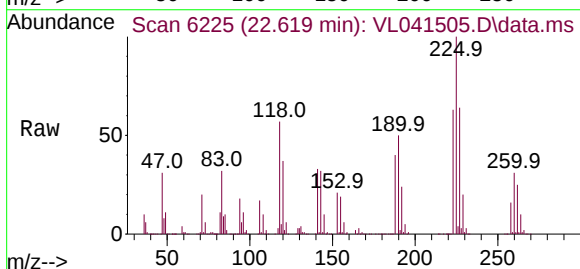
Tgt Ion:225 Resp: 1457393

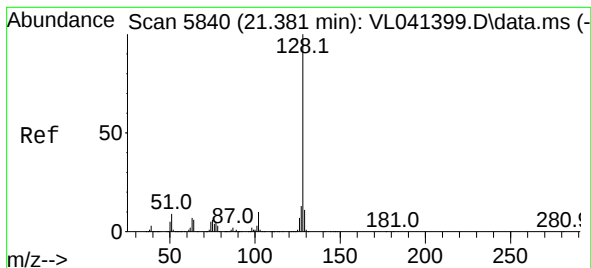
Ion Ratio Lower Upper

225 100

223 63.6 50.6 76.0

227 64.1 50.8 76.2





#79

Naphthalene

Concen: 9.971 ppbv

RT: 21.368 min Scan# 5836

Delta R.T. -0.003 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

Instrument :

MSVOA_L

ClientSampleId :

VL0808ABS01

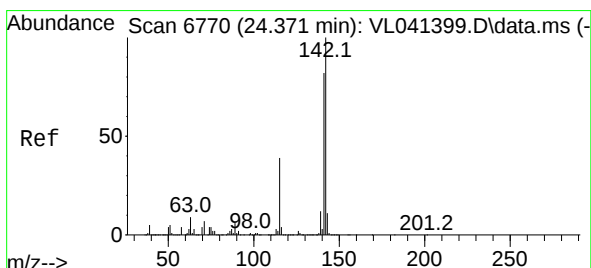
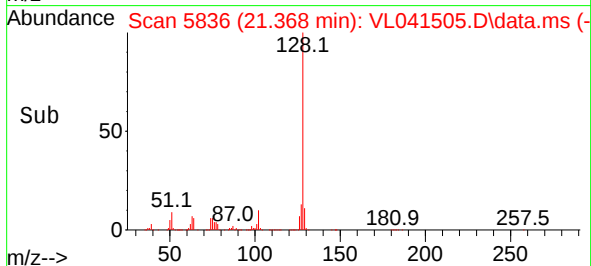
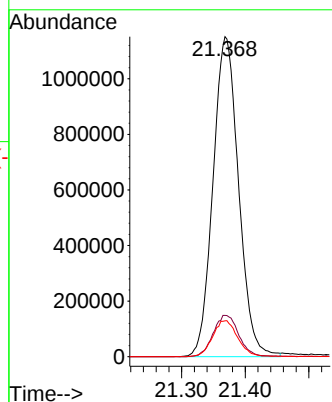
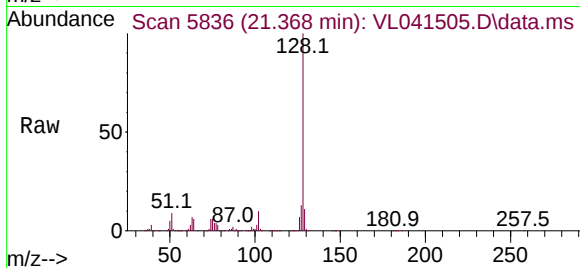
Tgt Ion:128 Resp: 3214160

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.2 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 9.215 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041505.D

Acq: 8 Aug 2024 9:39

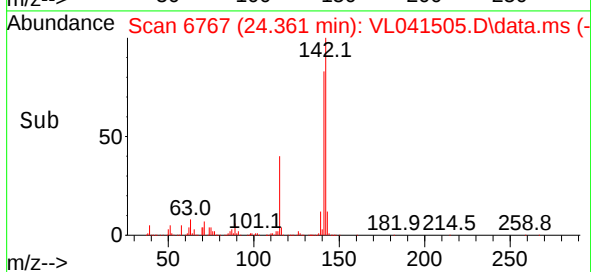
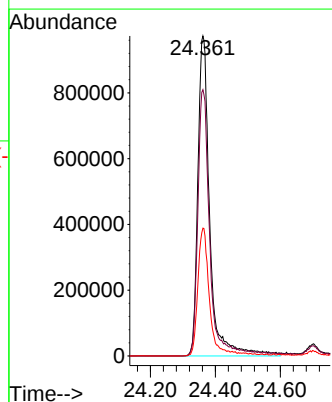
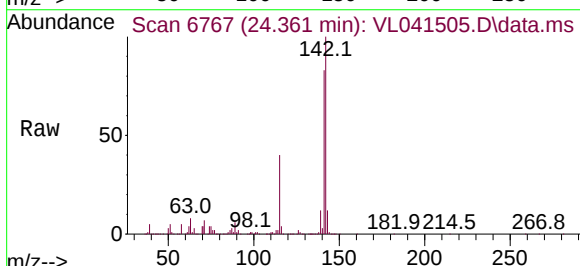
Tgt Ion:142 Resp: 2490096

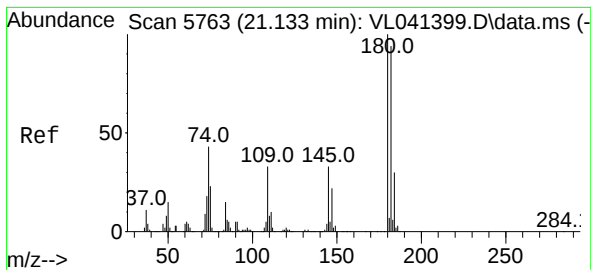
Ion Ratio Lower Upper

142 100

141 83.5 67.0 100.4

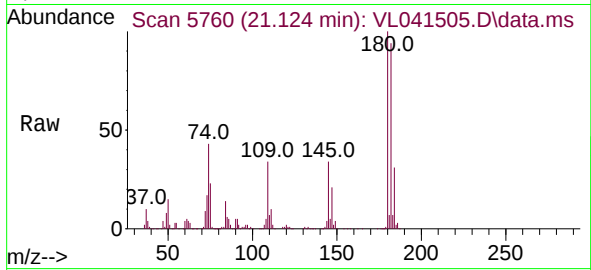
115 39.7 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.804 ppbv
 RT: 21.124 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VL041505.D
 Acq: 8 Aug 2024 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0808ABS01



Tgt Ion:180 Resp: 1688779

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.7	115.1
184	30.9	24.5	36.7

