

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100623\
 Data File : VV032313.D
 Acq On : 06 Oct 2023 19:58
 Operator : SY/MD
 Sample : 04774-09MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 05:10:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 07 05:00:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	75489	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	80309	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	41377	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	23061	3.756	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.529	69	22776	4.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.060	65	9680	3.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	3.786	46	102304	65.872	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.740%#
24) Chloroform-d	4.252	84	51376	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.947	65	27798	5.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.400%
32) Benzene-d6	4.963	84	95006	4.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	5.992	67	32975	4.212	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.246	98	88501	4.096	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	7.561	79	12264	4.420	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.027	63	83868	64.249	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.500%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	33026	6.031	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.600%#
66) 1,2-Dichlorobenzene-d4	11.564	152	33368	4.346	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	42460	5.047	ug/L	99
3) Chloromethane	1.217	50	44542	5.252	ug/L	100
5) Vinyl chloride	1.282	62	41477	5.128	ug/L	99
6) Bromomethane	1.484	94	24204	4.954	ug/L	98
8) Chloroethane	1.548	64	25369	5.210	ug/L	97
9) Trichlorofluoromethane	1.712	101	50997	5.258	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	28523	4.853	ug/L	97
12) 1,1-Dichloroethene	2.069	96	27799	5.021	ug/L	87
13) Acetone	2.111	43	65568	54.776	ug/L	96
14) Carbon disulfide	2.240	76	89065	4.602	ug/L	99
15) Methyl Acetate	2.378	43	15565	5.776	ug/L	98
16) Methylene chloride	2.449	84	33161	4.594	ug/L	98
17) Methyl tert-butyl Ether	2.834	73	4824	0.320	ug/L	96
18) trans-1,2-Dichloroethene	2.696	96	30096	4.746	ug/L	99
19) 1,1-Dichloroethane	3.114	63	57049	4.782	ug/L	98
21) 2-Butanone	3.870	43	100172	53.513	ug/L	97
22) cis-1,2-Dichloroethene	3.818	96	39784	5.827	ug/L	97
23) Bromochloromethane	4.150	128	15064	5.244	ug/L	95
25) Chloroform	4.278	83	61288	5.236	ug/L	100

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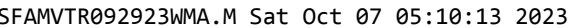
Instrument :
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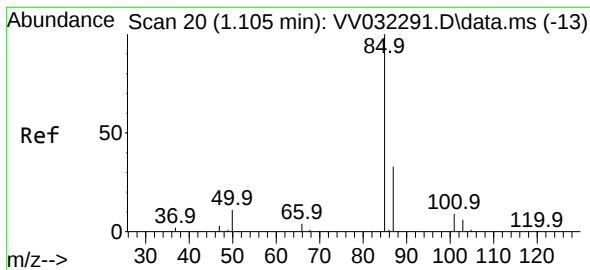
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	36391	5.263	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	46359	4.246	ug/L	98
30) Cyclohexane	4.584	56	48981	4.082	ug/L	99
31) Carbon tetrachloride	4.738	117	45032	4.874	ug/L	98
33) Benzene	5.014	78	128271	4.537	ug/L	100
34) Trichloroethene	5.834	95	924331	119.752	ug/L	98
35) Methylcyclohexane	6.053	83	45983	3.850	ug/L	94
37) 1,2-Dichloropropane	6.098	63	35816	4.737	ug/L	99
38) Bromodichloromethane	6.436	83	42514	4.732	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	47028	4.370	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	264673	55.310	ug/L	98
42) Toluene	7.320	91	155787	5.168	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	39417	4.457	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	27004	5.062	ug/L	99
47) Tetrachloroethene	7.908	164	24401	4.169	ug/L	94
48) 2-Hexanone	8.079	43	190121	56.312	ug/L	99
49) Dibromochloromethane	8.182	129	27400	4.934	ug/L	95
50) 1,2-Dibromoethane	8.288	107	26174	5.188	ug/L	97
51) Chlorobenzene	8.818	112	84216	4.340	ug/L	99
52) Ethylbenzene	8.950	91	145765	4.343	ug/L	100
53) m,p-Xylene	9.075	106	57498	4.619	ug/L	97
54) o-Xylene	9.484	106	52960	4.415	ug/L	100
55) Styrene	9.500	104	91349	4.510	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	32851	5.597	ug/L	96
59) Bromoform	9.670	173	14374	4.777	ug/L	99
60) Isopropylbenzene	9.870	105	137267	4.269	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	22953	5.212	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	109894	4.193	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	111620	4.278	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	64989	4.230	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	66978	4.346	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	62610	4.469	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	4835	5.373	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	45072	4.006	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	40523	4.061	ug/L	99
71) Naphthalene	13.442	128	82620	4.874	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	38008	4.420	ug/L	98

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

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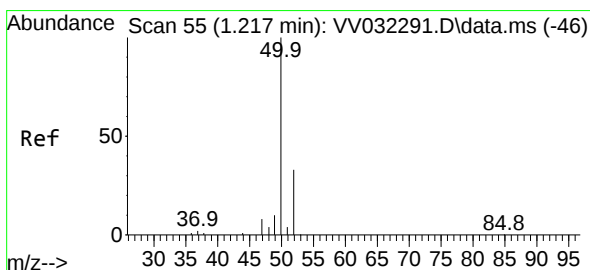
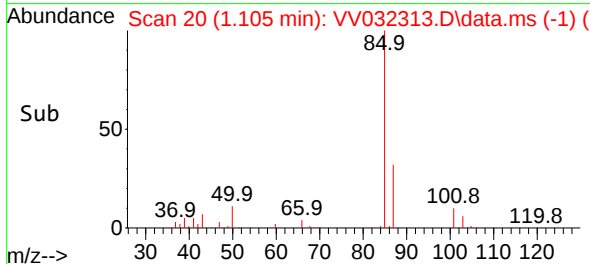
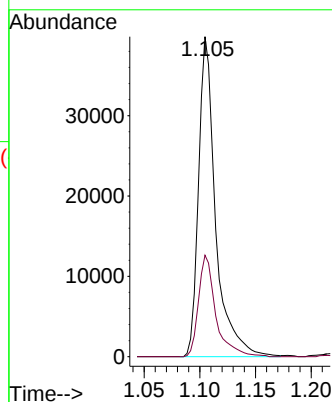
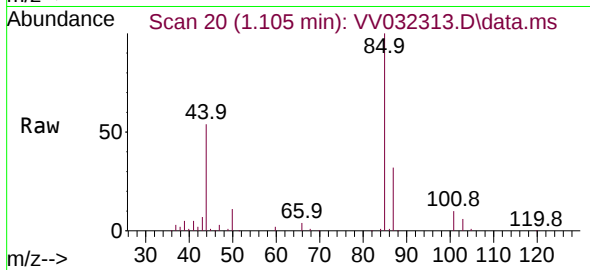




#2
Dichlorodifluoromethane
Concen: 5.047 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV032313.D
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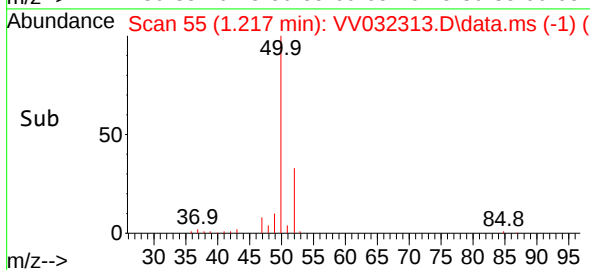
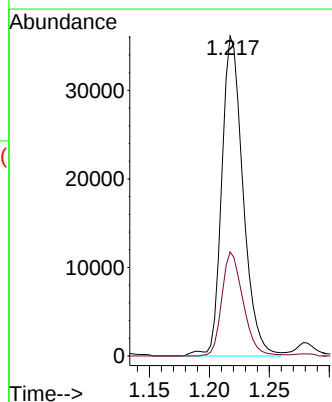
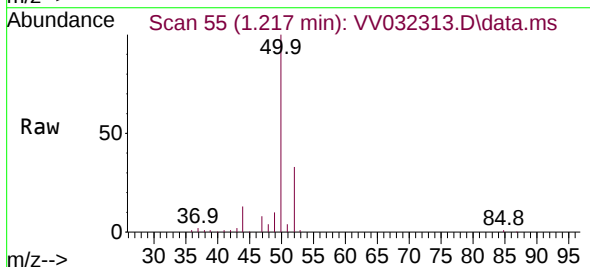
Instrument :
MSVOA_V
ClientSampleId :

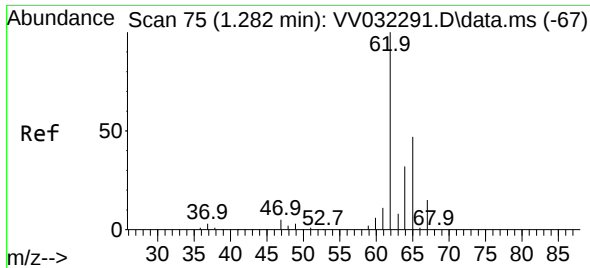
Tgt Ion: 85 Resp: 42460
Ion Ratio Lower Upper
85 100
87 32.2 25.5 38.3



#3
Chloromethane
Concen: 5.252 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion: 50 Resp: 44542
Ion Ratio Lower Upper
50 100
52 32.5 23.0 42.6

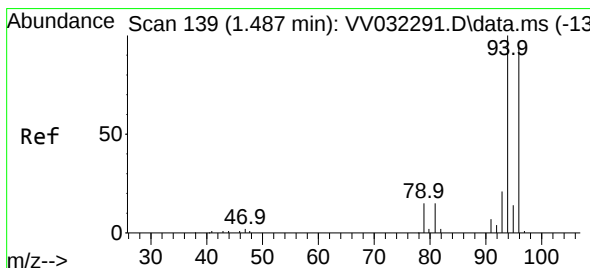
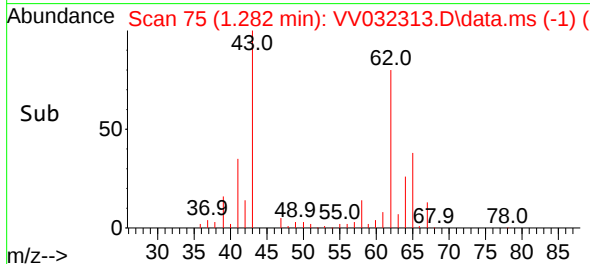
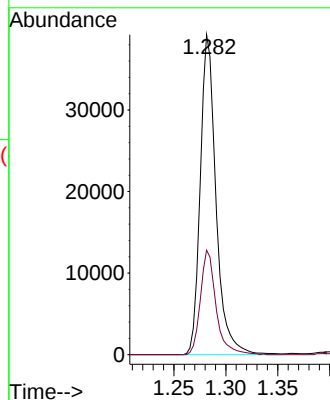
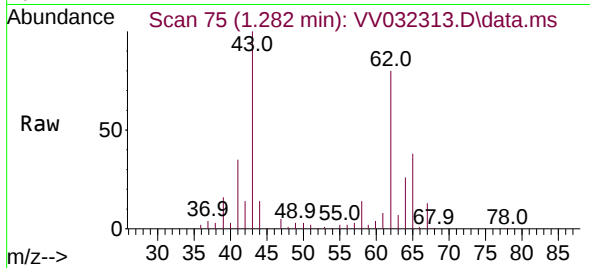




#5
 Vinyl chloride
 Concen: 5.128 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV032313.D
 Acq: 06 Oct 2023 19:58

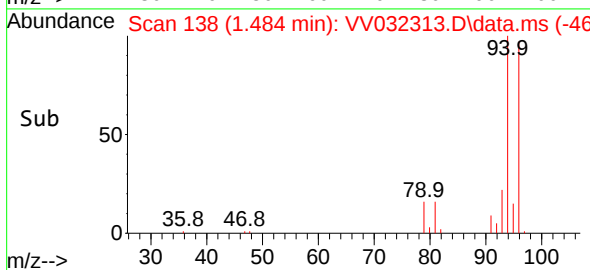
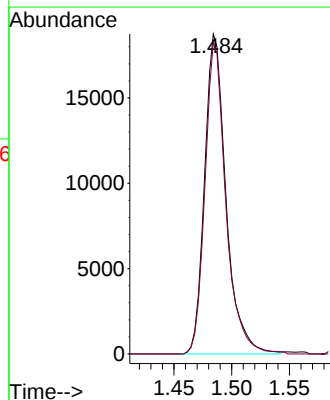
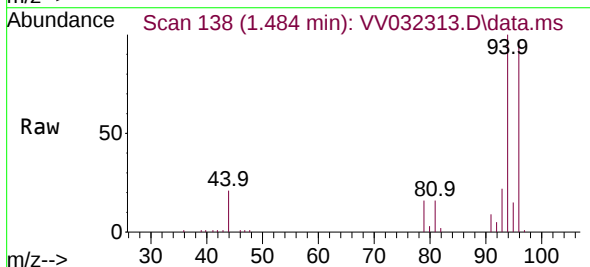
Instrument :
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 ClientSampleId :

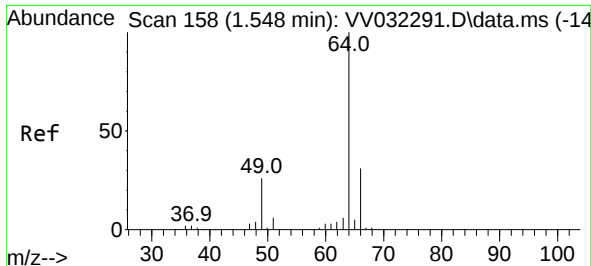
Tgt Ion: 62 Resp: 41477
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9



#6
 Bromomethane
 Concen: 4.954 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV032313.D
 Acq: 06 Oct 2023 19:58

Tgt Ion: 94 Resp: 24204
 Ion Ratio Lower Upper
 94 100
 96 97.2 66.8 124.2

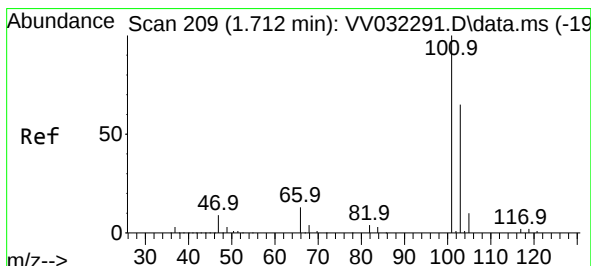
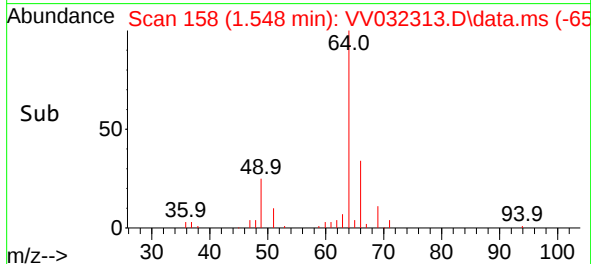
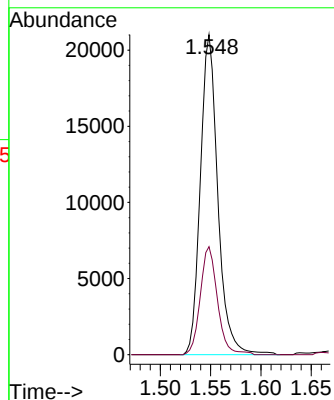
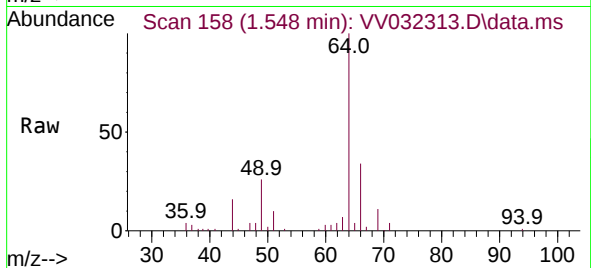




#8
Chloroethane
Concen: 5.210 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

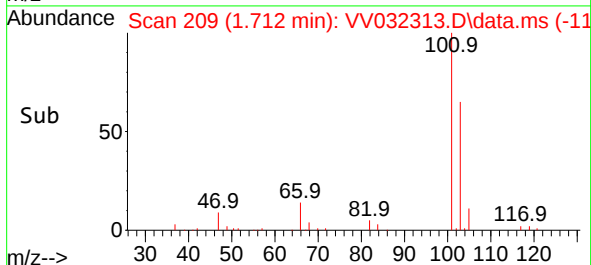
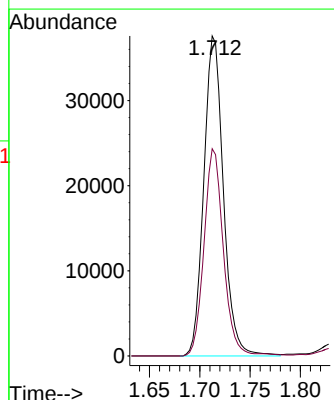
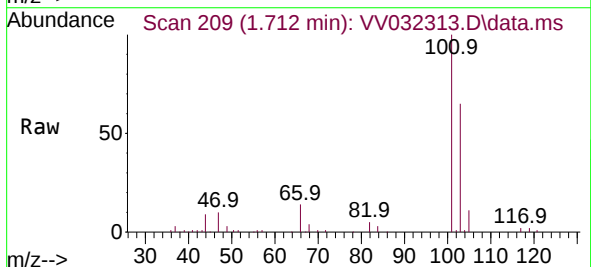
Instrument :
MSVOA_V
ClientSampleId :

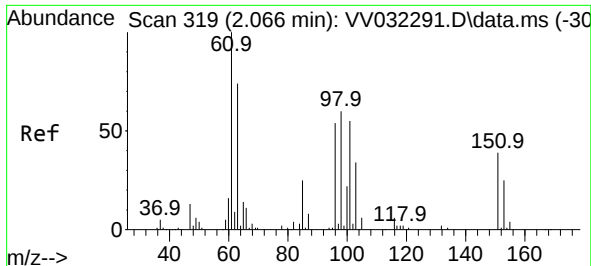
Tgt Ion: 64 Resp: 25369
Ion Ratio Lower Upper
64 100
66 33.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.258 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion:101 Resp: 50997
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.853 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032313.D

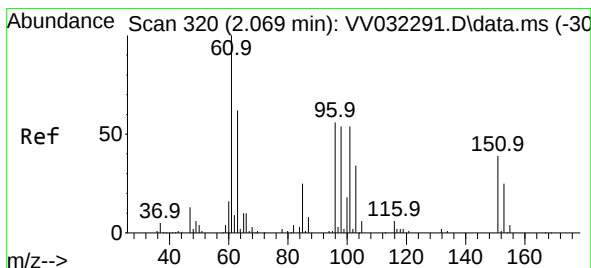
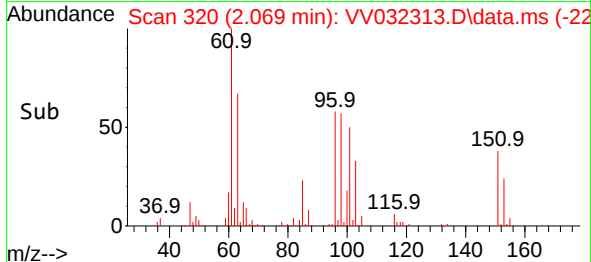
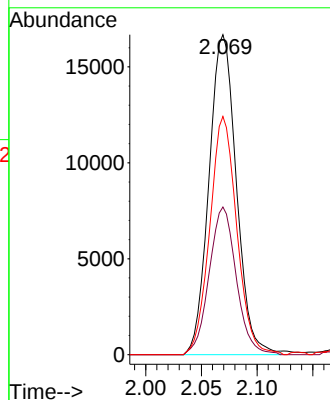
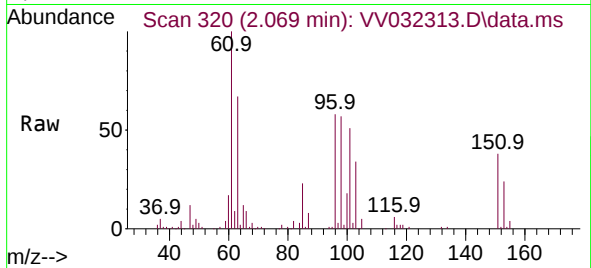
Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	28523
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.0	52.6
151	73.4	56.6	84.8



#12

1,1-Dichloroethene

Concen: 5.021 ug/L

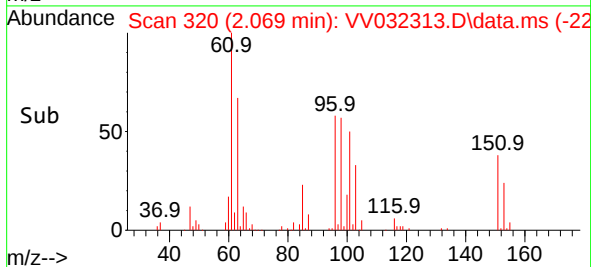
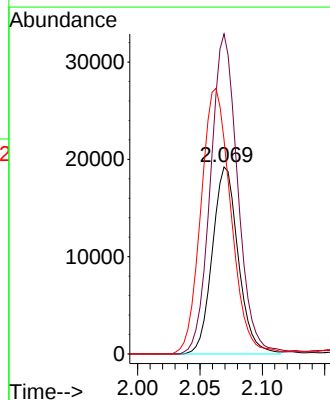
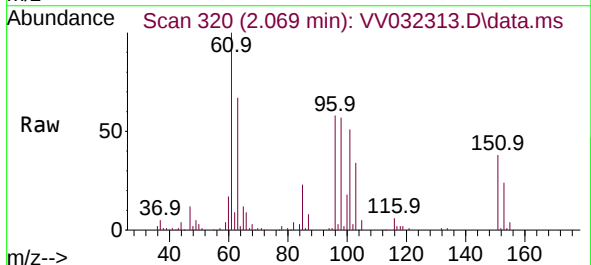
RT: 2.069 min Scan# 320

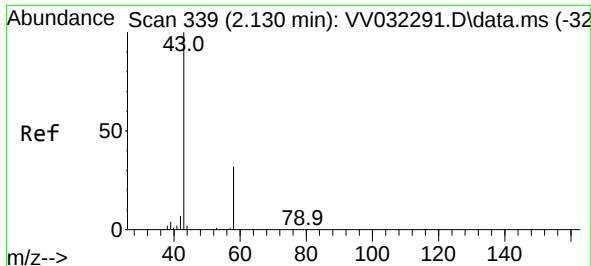
Delta R.T. -0.000 min

Lab File: VV032313.D

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Tgt Ion:	96	Resp:	27799
Ion	Ratio	Lower	Upper
96	100		
61	171.1	127.3	236.3
63	114.5	98.3	182.7





#13

Acetone

Concen: 54.776 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.019 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

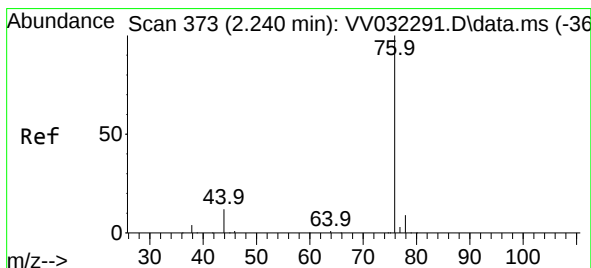
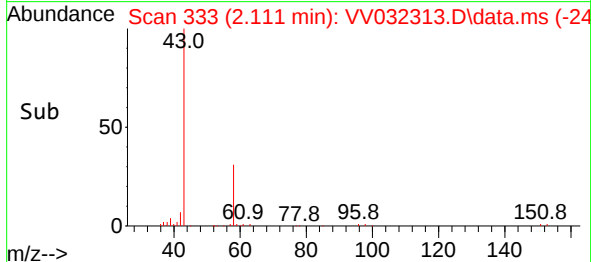
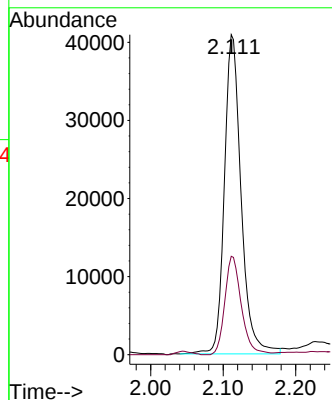
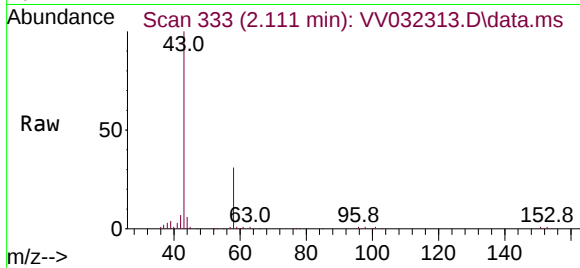
ClientSampleId :

Tgt Ion: 43 Resp: 65568

Ion Ratio Lower Upper

43 100

58 30.5 0.0 66.0



#14

Carbon disulfide

Concen: 4.602 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032313.D

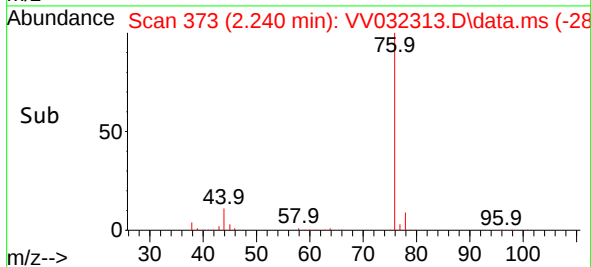
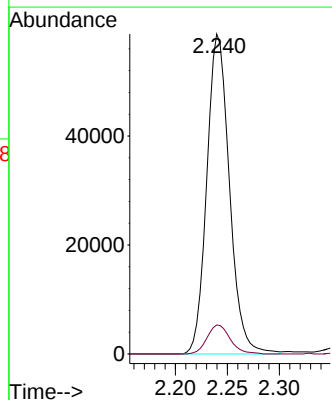
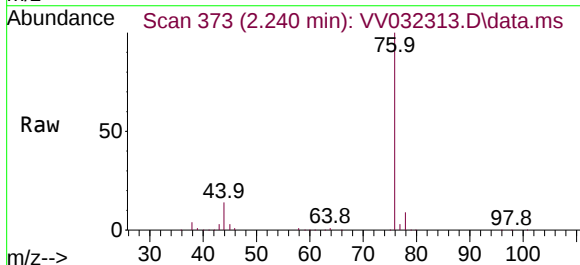
Acq: 06 Oct 2023 19:58

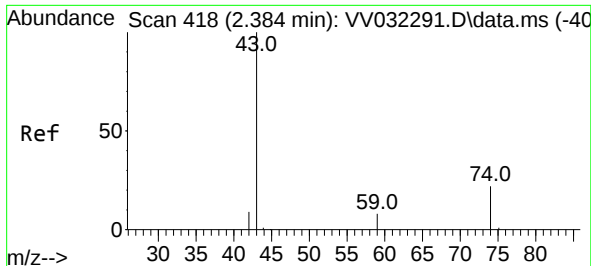
Tgt Ion: 76 Resp: 89065

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

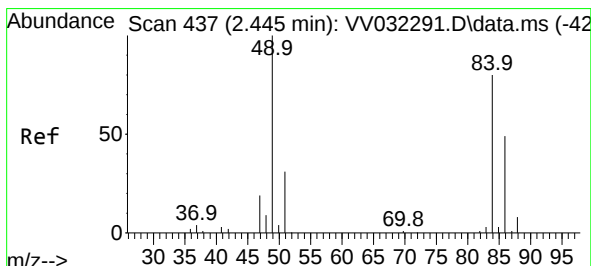
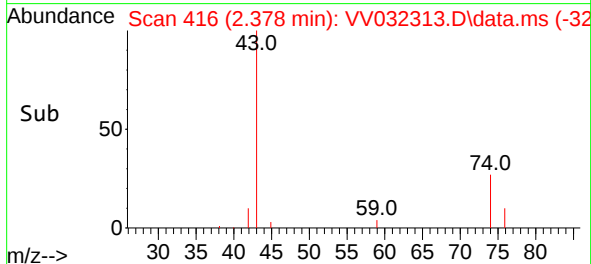
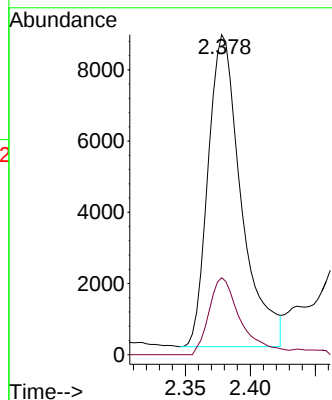
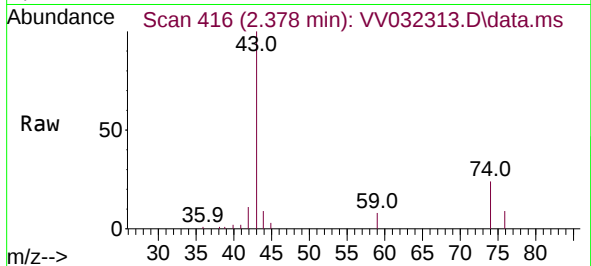




#15
Methyl Acetate
Concen: 5.776 ug/L
RT: 2.378 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

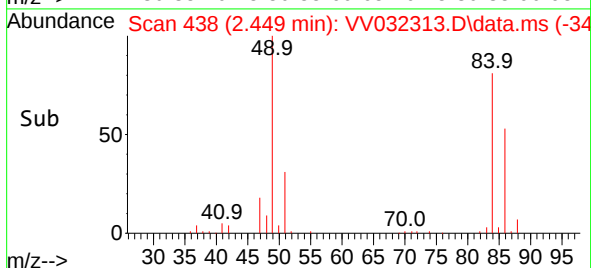
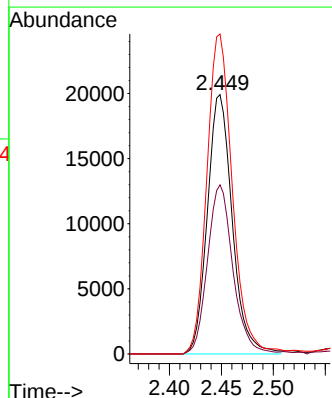
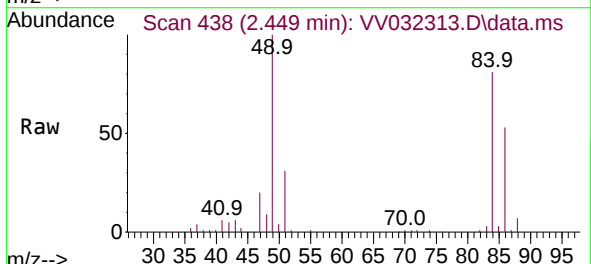
Instrument :
MSVOA_V
ClientSampleId :

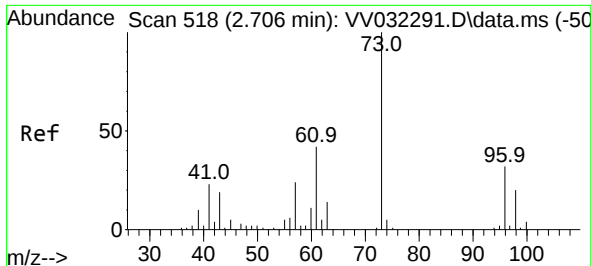
Tgt Ion: 43 Resp: 15565
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0



#16
Methylene chloride
Concen: 4.594 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion: 84 Resp: 33161
Ion Ratio Lower Upper
84 100
86 65.2 43.2 80.2
49 123.4 86.3 160.3





#17

Methyl tert-butyl Ether

Concen: 0.320 ug/L

RT: 2.834 min Scan# 518

Delta R.T. 0.129 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

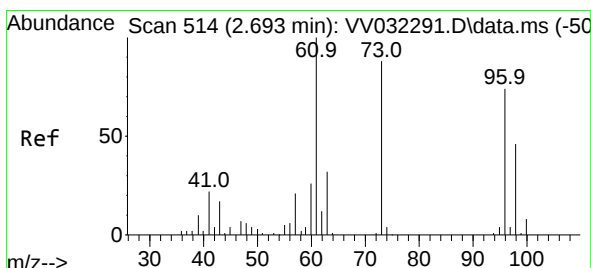
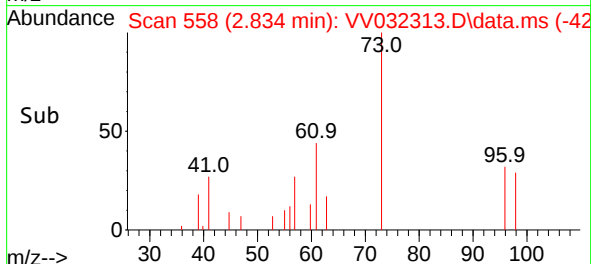
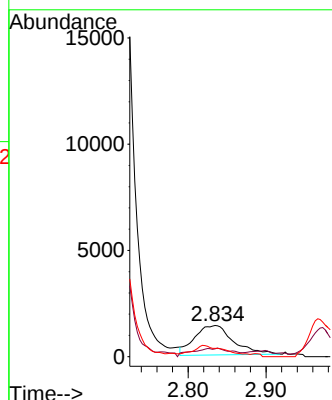
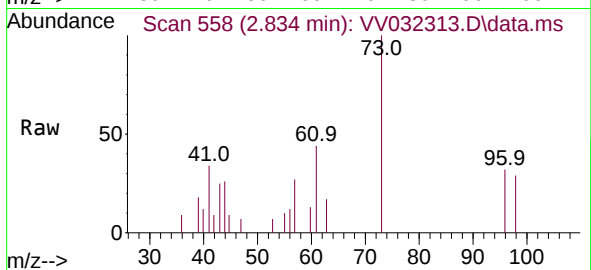
Tgt Ion: 73 Resp: 4824

Ion Ratio Lower Upper

73 100

43 15.5 15.1 22.7

57 23.3 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.746 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

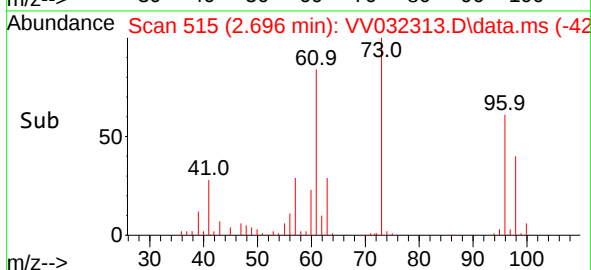
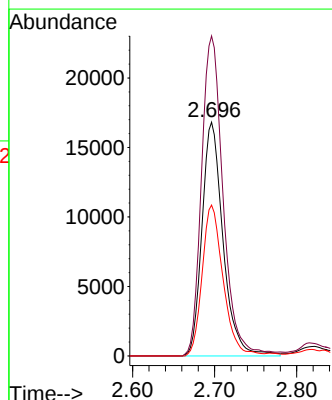
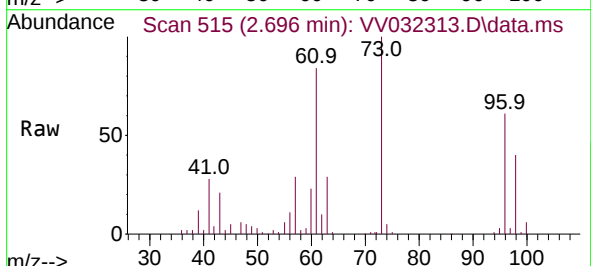
Tgt Ion: 96 Resp: 30096

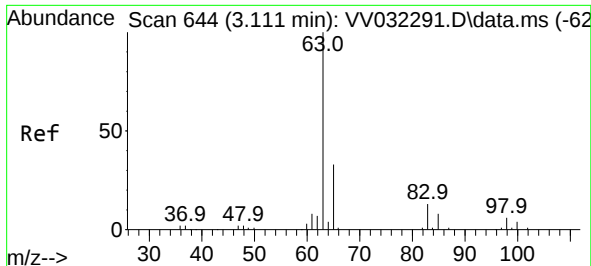
Ion Ratio Lower Upper

96 100

61 136.9 96.9 180.1

98 64.6 45.3 84.1





#19

1,1-Dichloroethane

Concen: 4.782 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

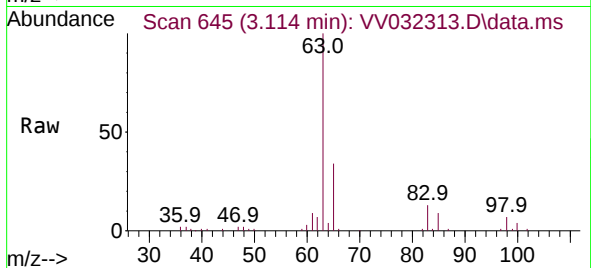
Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :



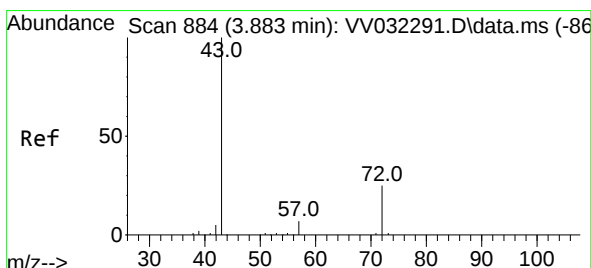
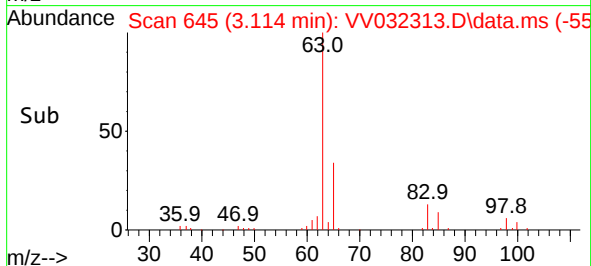
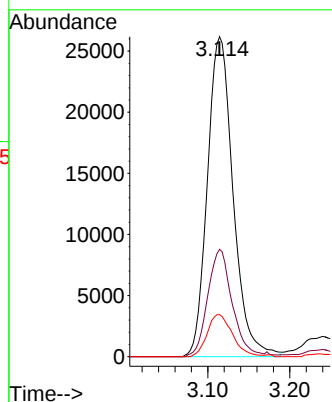
Tgt Ion: 63 Resp: 57049

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.5

83 13.2 9.0 16.6



#21

2-Butanone

Concen: 53.513 ug/L

RT: 3.870 min Scan# 880

Delta R.T. -0.013 min

Lab File: VV032313.D

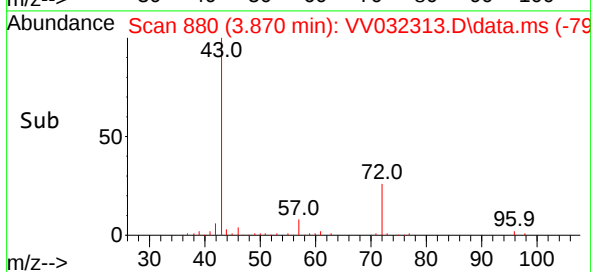
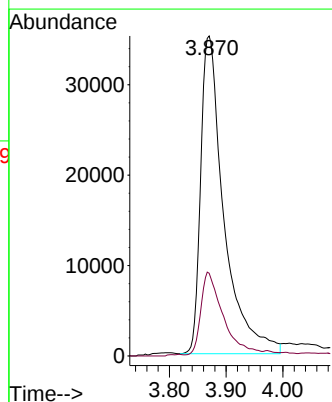
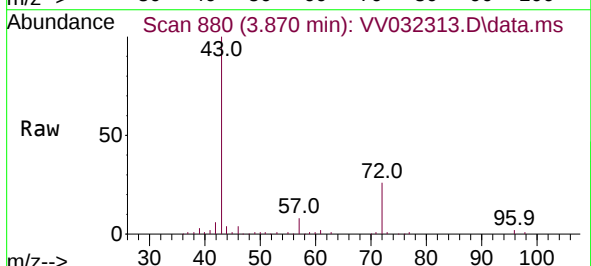
Acq: 06 Oct 2023 19:58

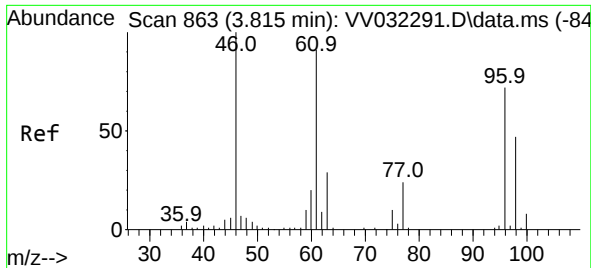
Tgt Ion: 43 Resp: 100172

Ion Ratio Lower Upper

43 100

72 24.7 11.6 34.8





#22

cis-1,2-Dichloroethene

Concen: 5.827 ug/L

RT: 3.818 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

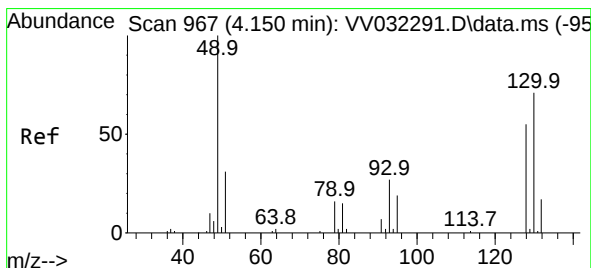
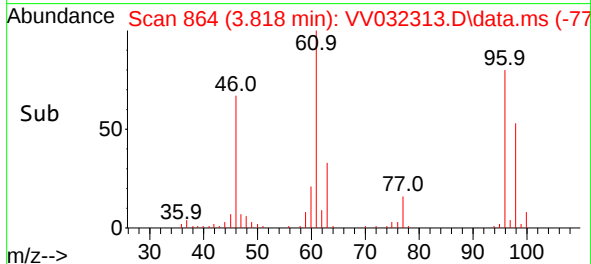
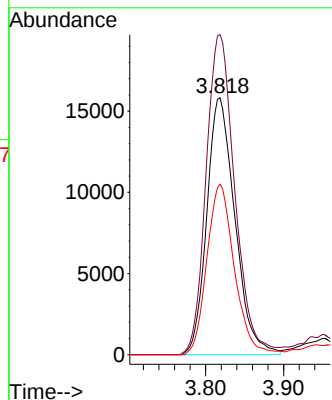
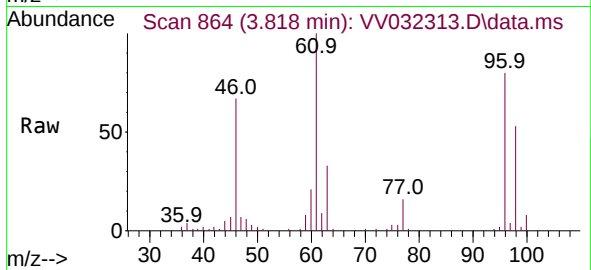
Tgt Ion: 96 Resp: 39784

Ion Ratio Lower Upper

96 100

61 124.6 85.8 159.4

98 66.3 44.0 81.6



#23

Bromochloromethane

Concen: 5.244 ug/L

RT: 4.150 min Scan# 967

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Tgt Ion: 128 Resp: 15064

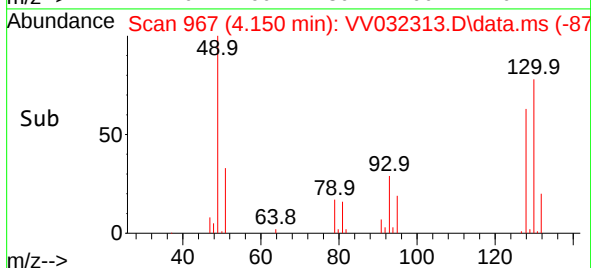
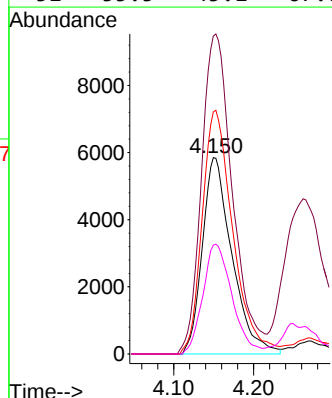
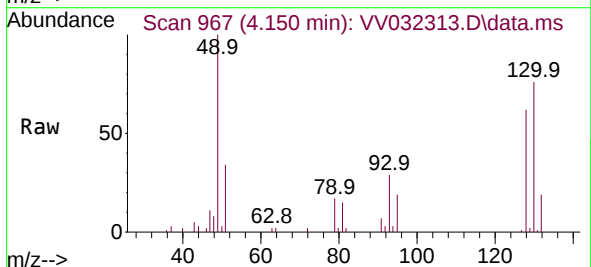
Ion Ratio Lower Upper

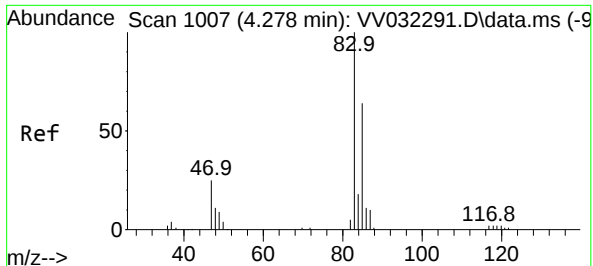
128 100

49 162.0 121.2 225.0

130 123.4 88.2 163.8

51 55.5 45.1 67.7





#25

Chloroform

Concen: 5.236 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

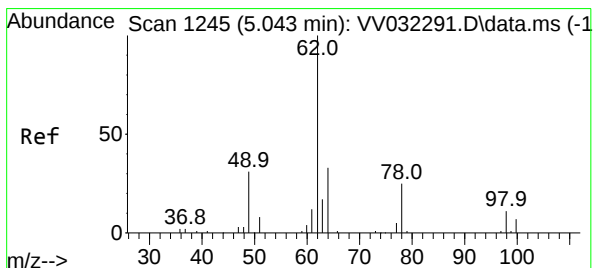
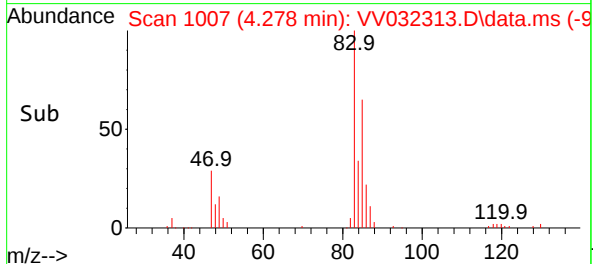
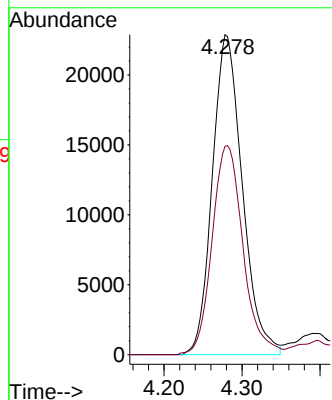
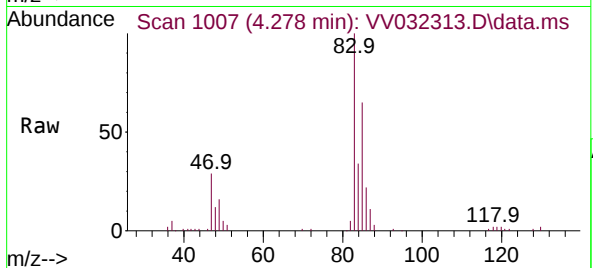
ClientSampleId :

Tgt Ion: 83 Resp: 61288

Ion Ratio Lower Upper

83 100

85 65.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.263 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.003 min

Lab File: VV032313.D

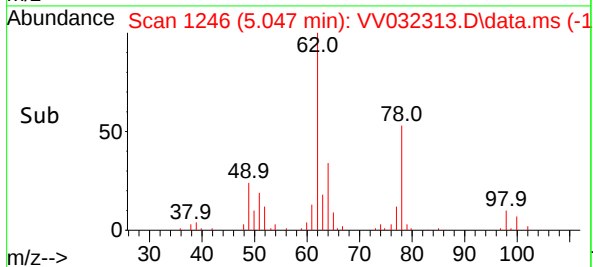
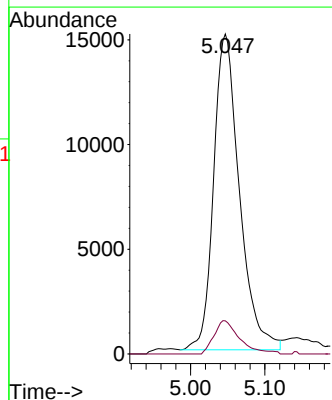
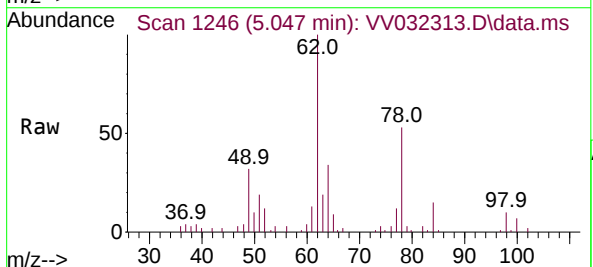
Acq: 06 Oct 2023 19:58

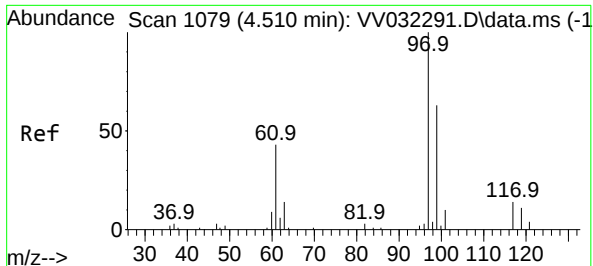
Tgt Ion: 62 Resp: 36391

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.246 ug/L

RT: 4.516 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

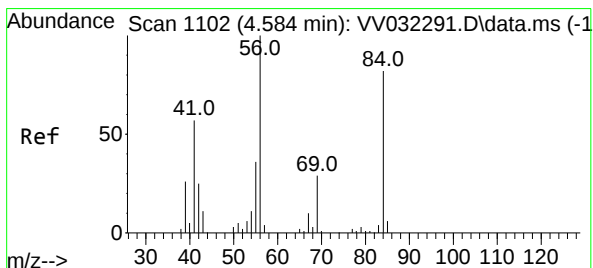
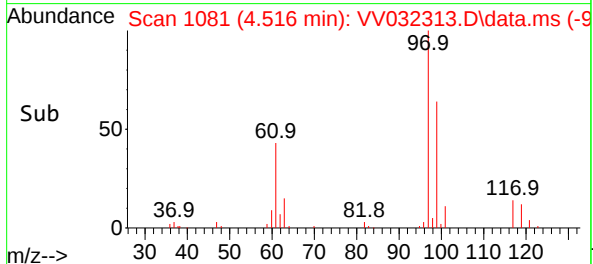
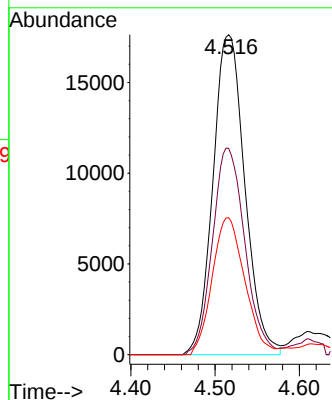
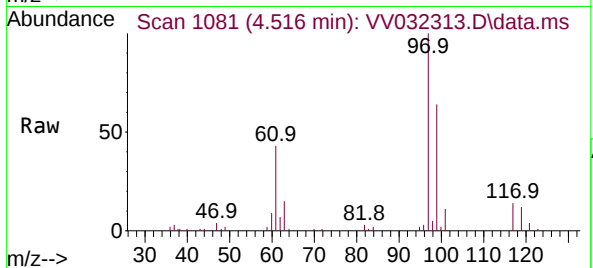
Tgt Ion: 97 Resp: 46359

Ion Ratio Lower Upper

97 100

99 65.5 50.1 75.1

61 43.7 35.1 52.7



#30

Cyclohexane

Concen: 4.082 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

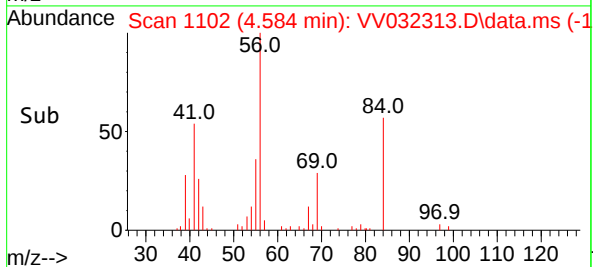
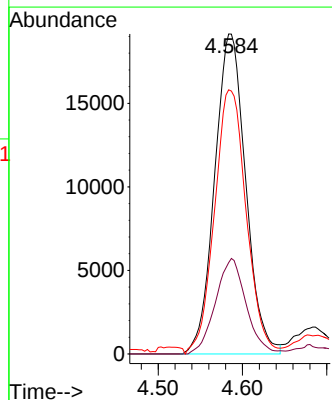
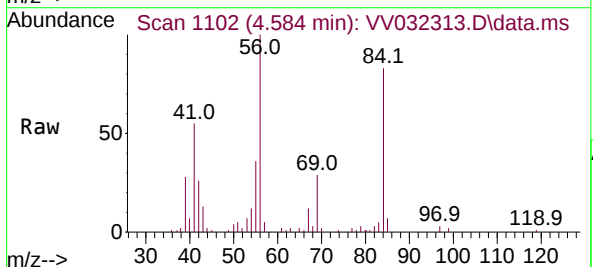
Tgt Ion: 56 Resp: 48981

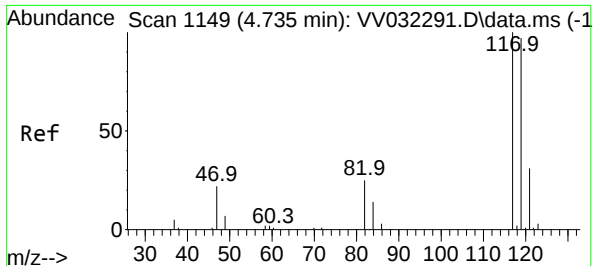
Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.2

84 84.4 68.1 102.1

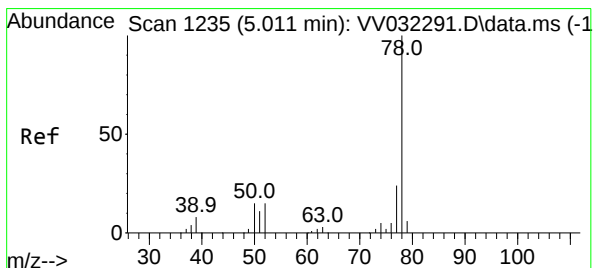
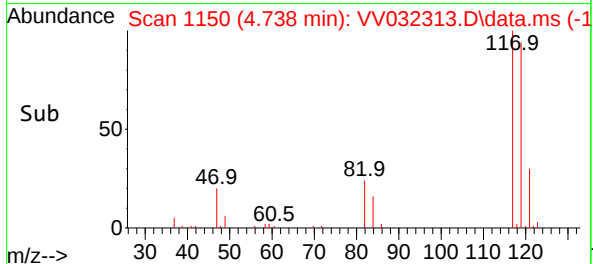
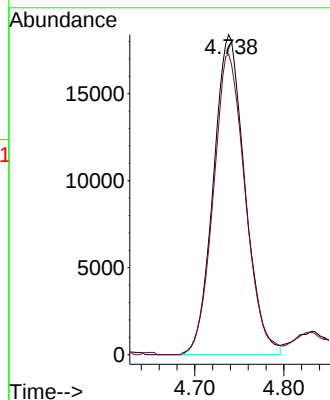
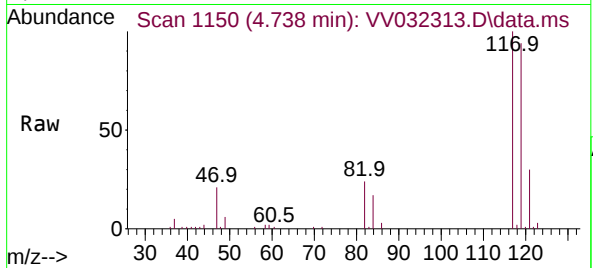




#31
Carbon tetrachloride
Concen: 4.874 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

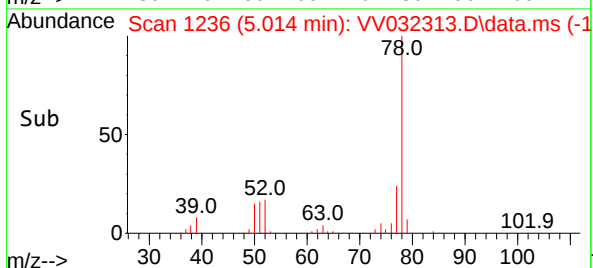
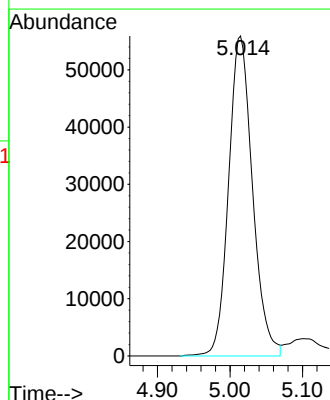
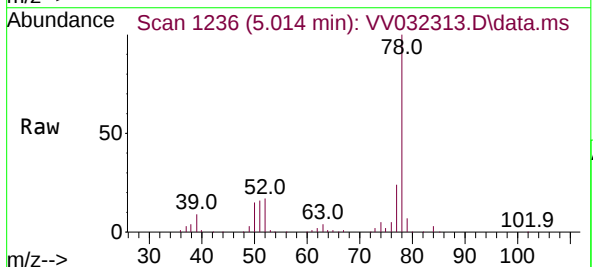
Instrument :
MSVOA_V
ClientSampleId :

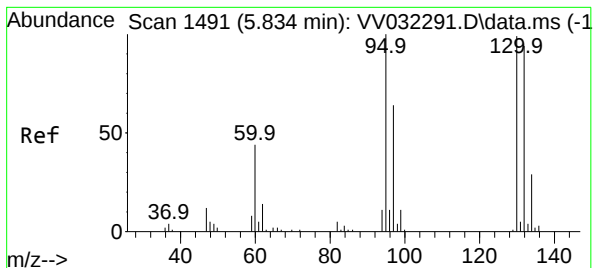
Tgt Ion:117 Resp: 45032
Ion Ratio Lower Upper
117 100
119 95.3 77.6 116.4



#33
Benzene
Concen: 4.537 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion: 78 Resp: 128271





#34

Trichloroethene

Concen: 119.752 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 924331

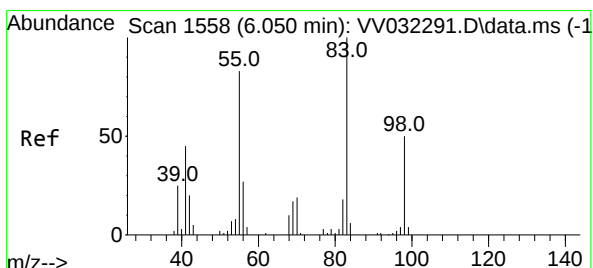
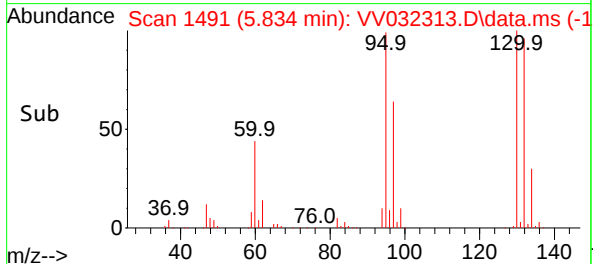
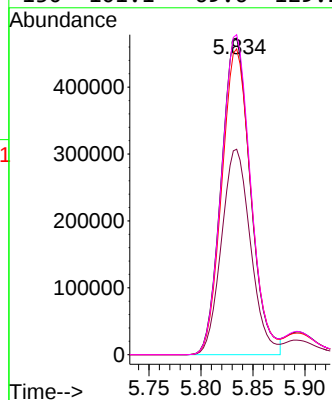
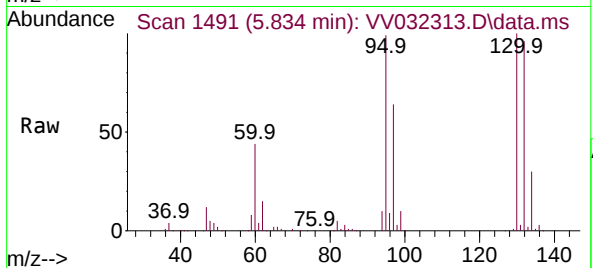
Ion Ratio Lower Upper

95 100

97 64.9 45.7 84.9

132 96.6 70.3 130.5

130 101.1 69.6 129.2



#35

Methylcyclohexane

Concen: 3.850 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

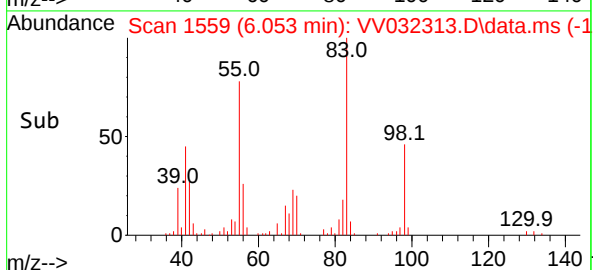
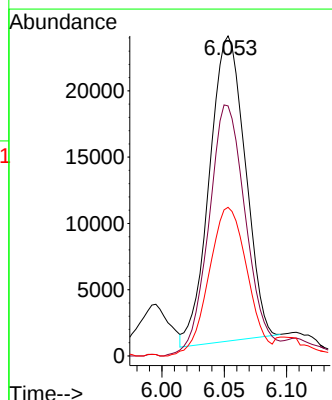
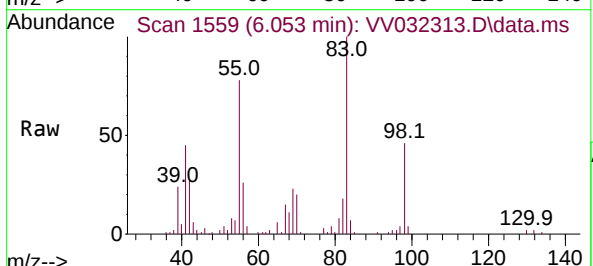
Tgt Ion: 83 Resp: 45983

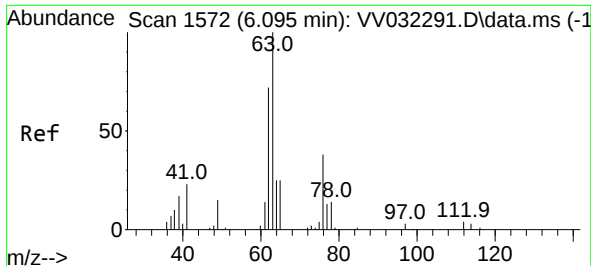
Ion Ratio Lower Upper

83 100

55 86.1 64.2 96.2

98 52.3 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.737 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

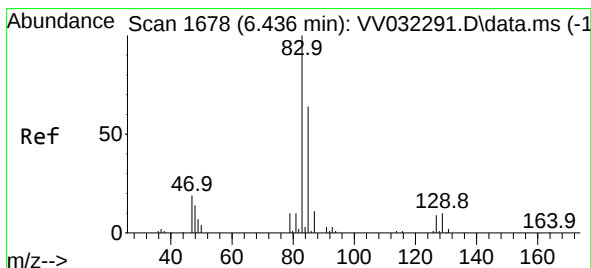
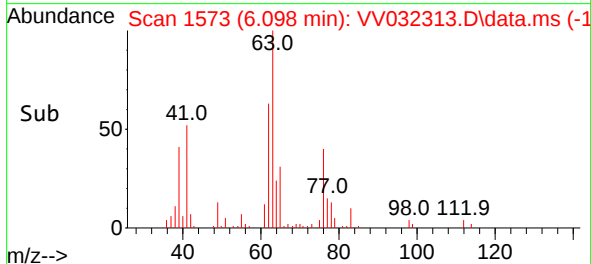
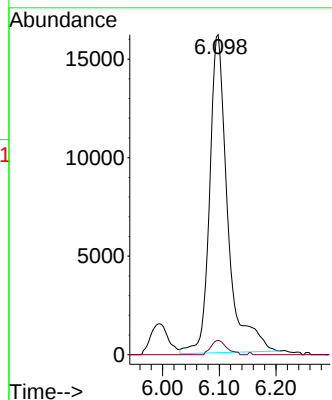
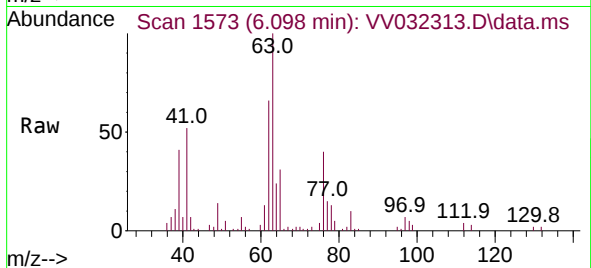
ClientSampleId :

Tgt Ion: 63 Resp: 35816

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.2



#38

Bromodichloromethane

Concen: 4.732 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

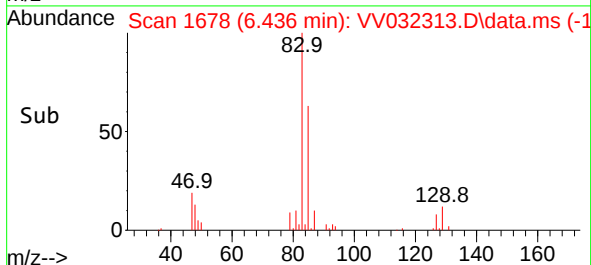
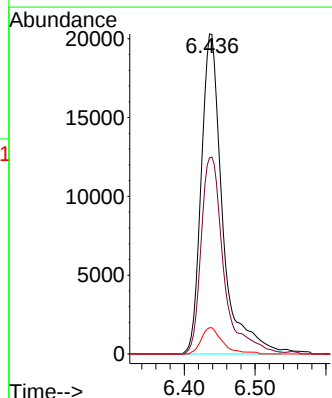
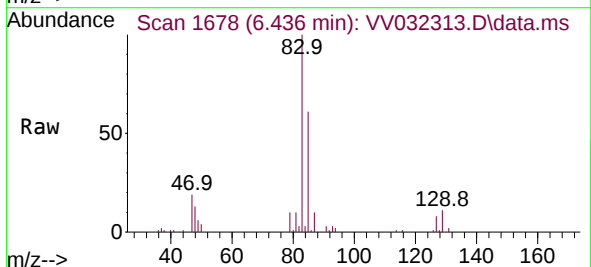
Tgt Ion: 83 Resp: 42514

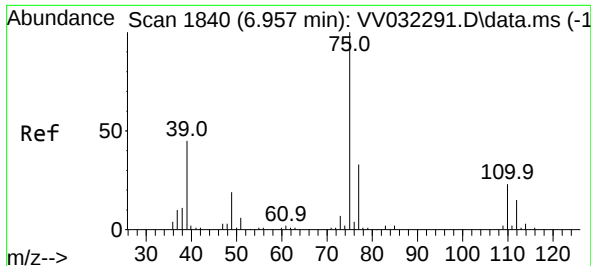
Ion Ratio Lower Upper

83 100

85 61.3 44.9 83.3

127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.370 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

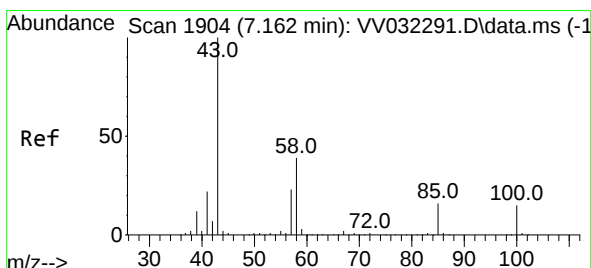
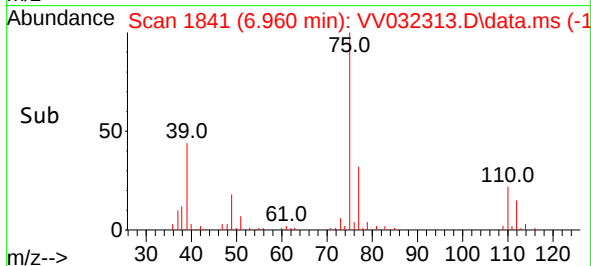
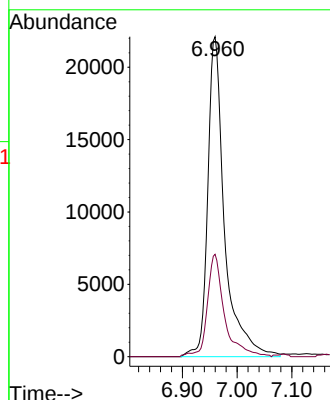
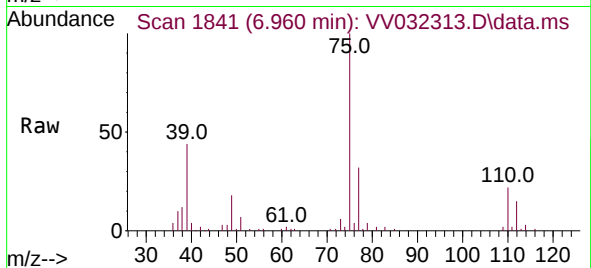
ClientSampleId :

Tgt Ion: 75 Resp: 47028

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 55.310 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

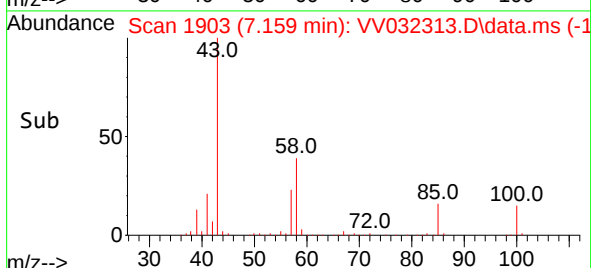
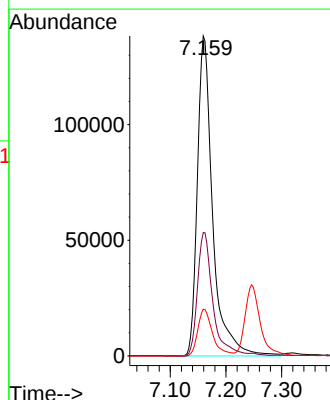
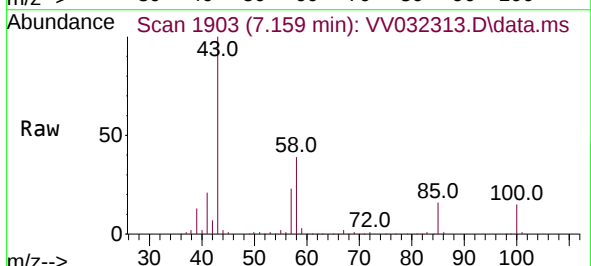
Tgt Ion: 43 Resp: 264673

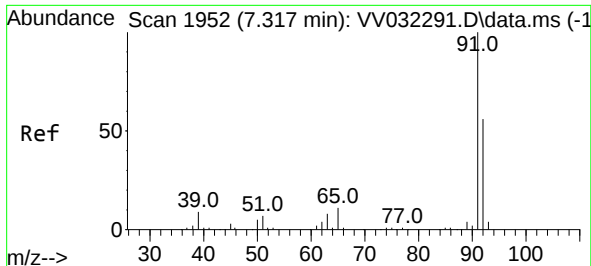
Ion Ratio Lower Upper

43 100

58 38.5 31.9 47.9

100 14.2 11.3 16.9





#42

Toluene

Concen: 5.168 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

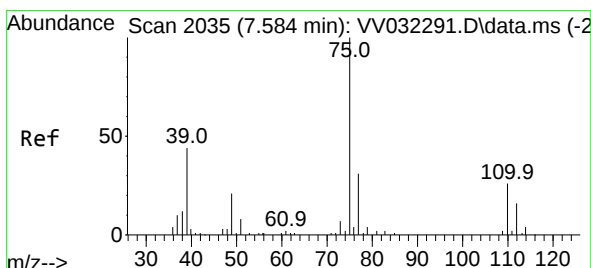
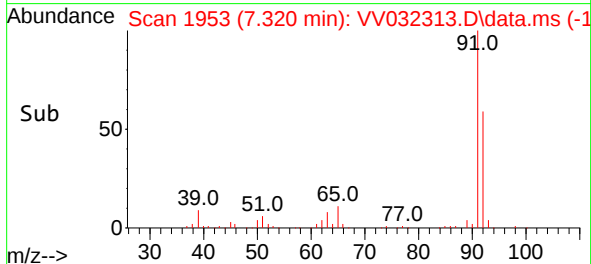
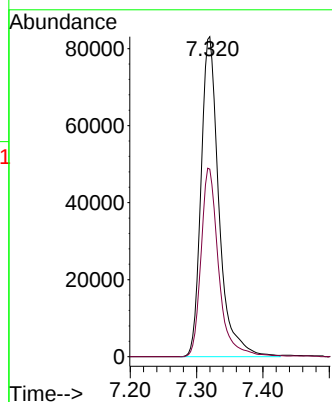
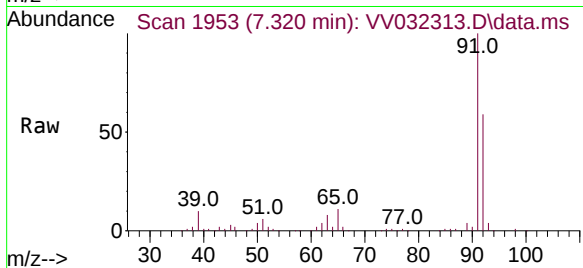
ClientSampleId :

Tgt Ion: 91 Resp: 155787

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.457 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV032313.D

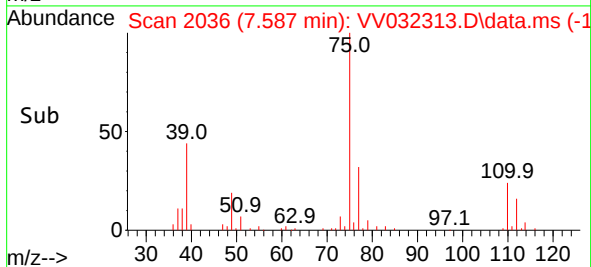
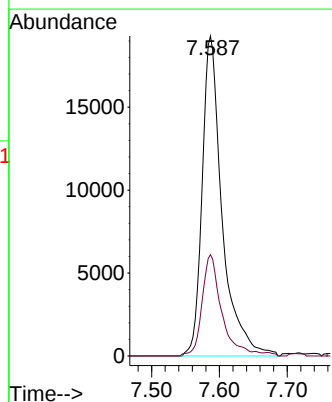
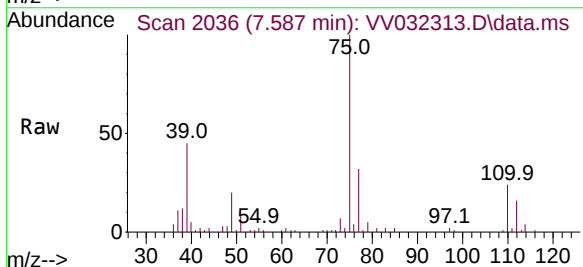
Acq: 06 Oct 2023 19:58

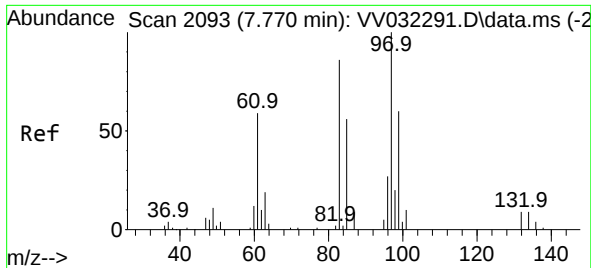
Tgt Ion: 75 Resp: 39417

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

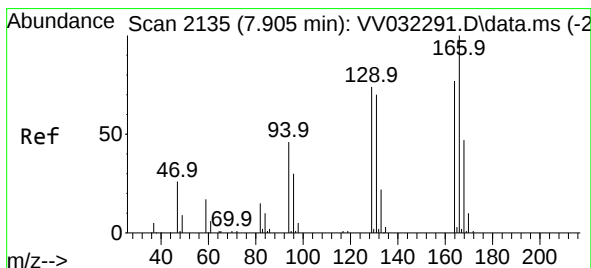
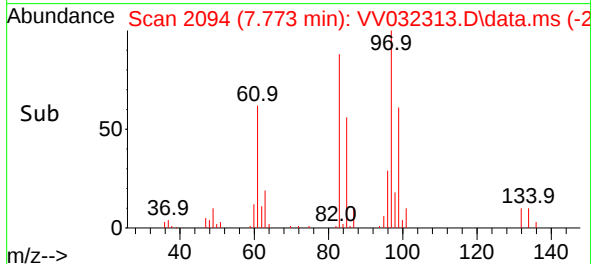
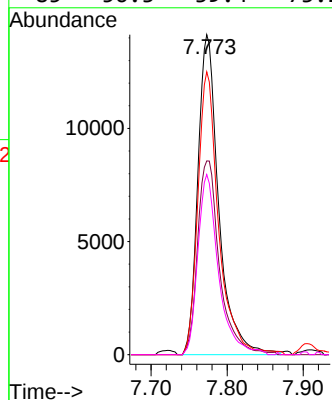
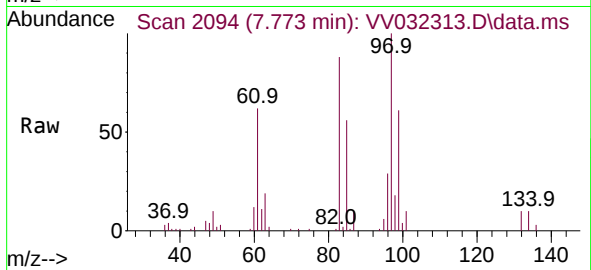




#45
1,1,2-Trichloroethane
Concen: 5.062 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

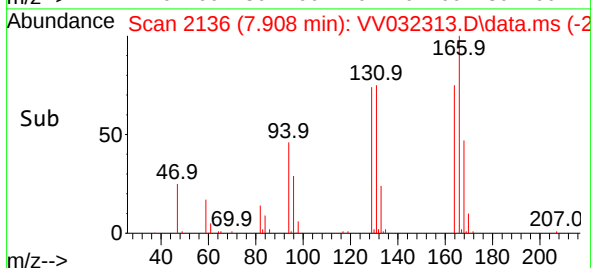
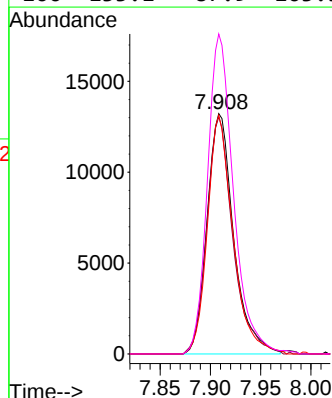
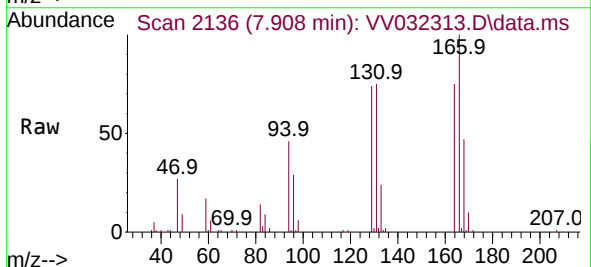
Instrument :
MSVOA_V
ClientSampleId :

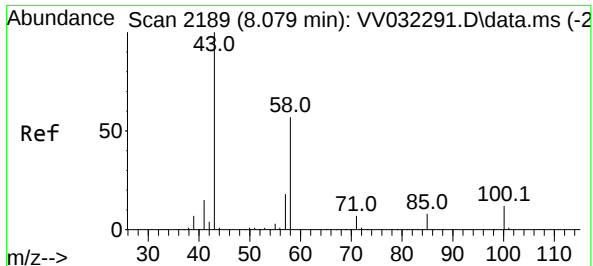
Tgt Ion:	97	Resp:	27004
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.8	79.4
83	88.4	60.9	113.1
85	56.3	39.4	73.2



#47
Tetrachloroethene
Concen: 4.169 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion:	164	Resp:	24401
Ion	Ratio	Lower	Upper
164	100		
129	98.6	66.4	123.4
131	99.3	63.7	118.3
166	133.1	87.9	163.3

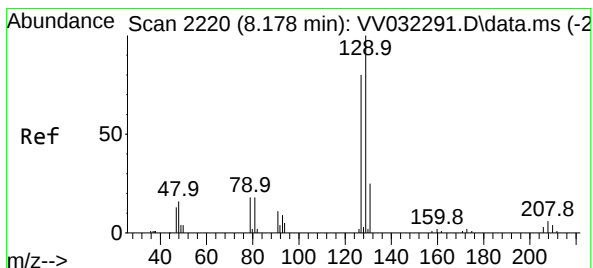
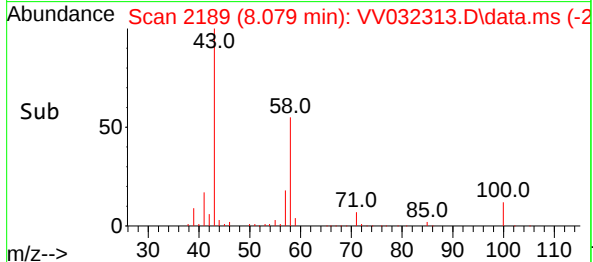
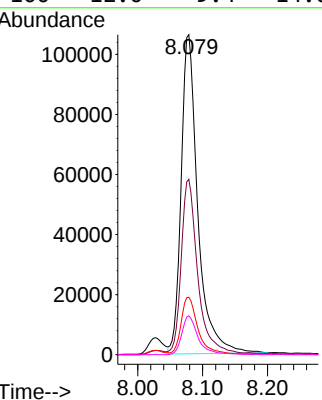
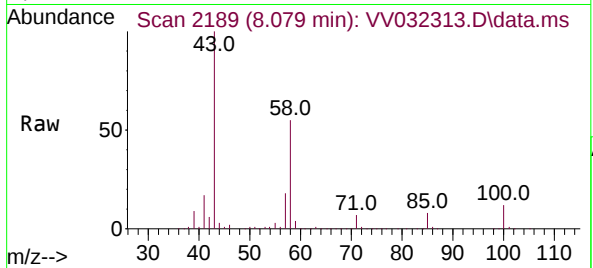




#48
2-Hexanone
Concen: 56.312 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

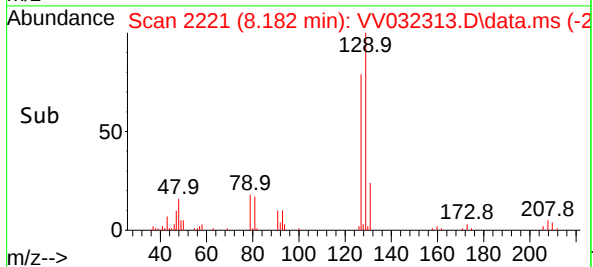
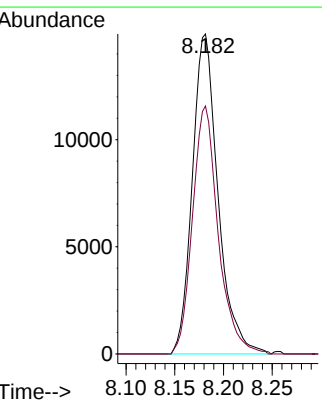
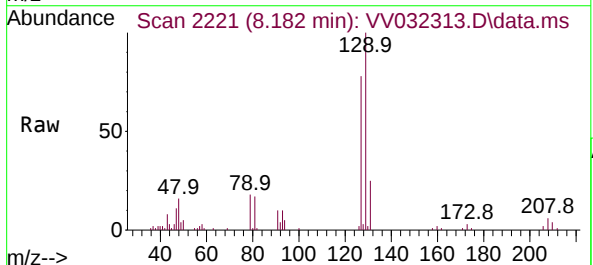
Instrument :
MSVOA_V
ClientSampleId :

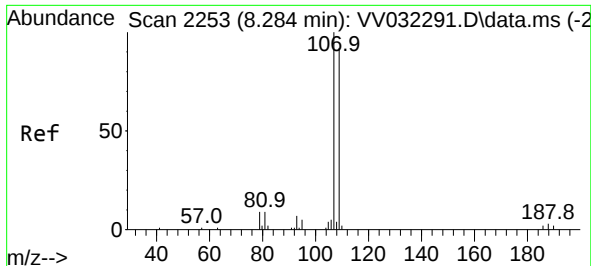
Tgt Ion:	43	Resp:	190121
Ion	Ratio	Lower	Upper
43	100		
58	53.4	43.6	65.4
57	18.0	14.6	22.0
100	12.0	9.4	14.0



#49
Dibromochloromethane
Concen: 4.934 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion:	129	Resp:	27400
Ion	Ratio	Lower	Upper
129	100		
127	77.5	57.2	106.2





#50

1,2-Dibromoethane

Concen: 5.188 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.003 min

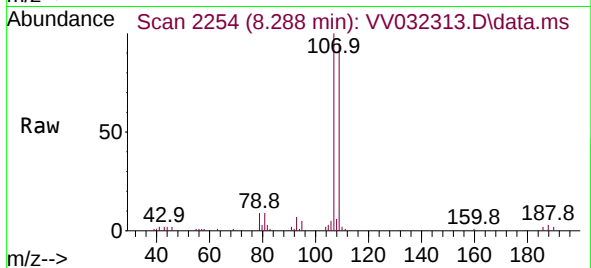
Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :



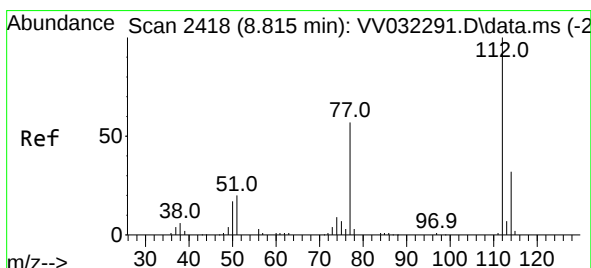
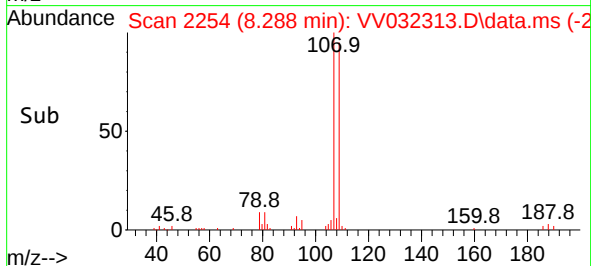
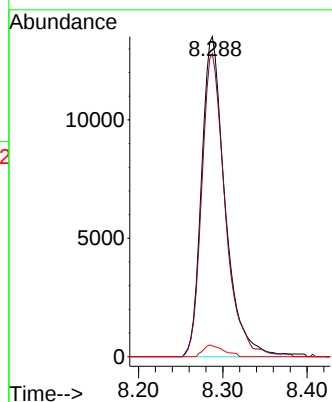
Tgt Ion:107 Resp: 26174

Ion Ratio Lower Upper

107 100

109 94.7 68.4 127.0

188 3.4 3.2 4.8



#51

Chlorobenzene

Concen: 4.340 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

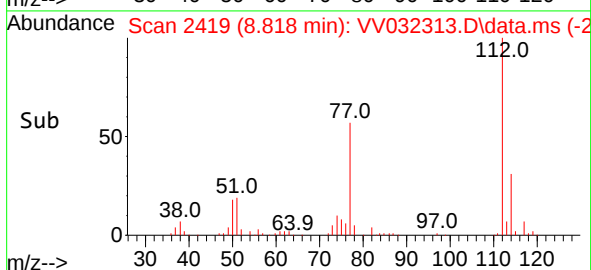
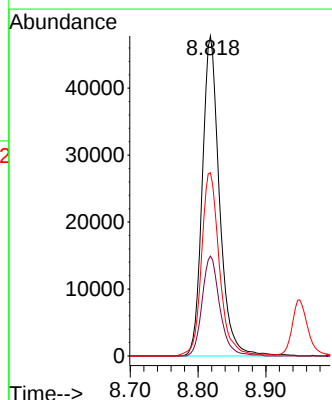
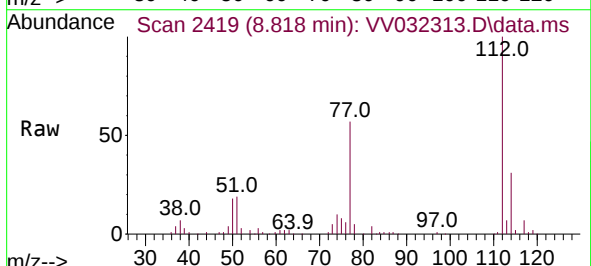
Tgt Ion:112 Resp: 84216

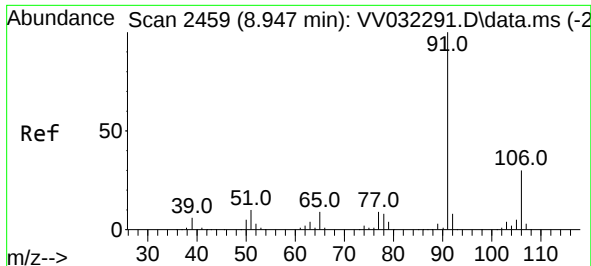
Ion Ratio Lower Upper

112 100

114 31.2 22.1 41.1

77 57.3 46.1 69.1





#52

Ethylbenzene

Concen: 4.343 ug/L

RT: 8.950 min Scan# 2459

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

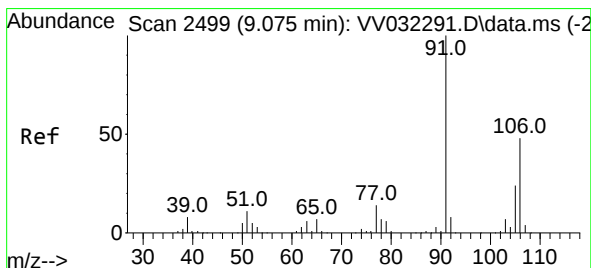
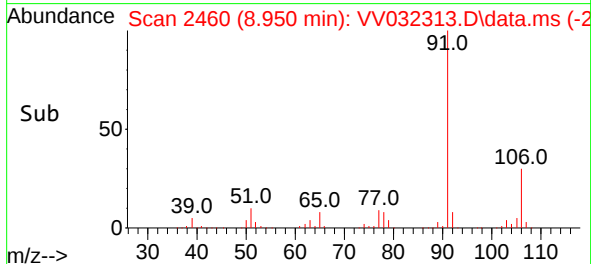
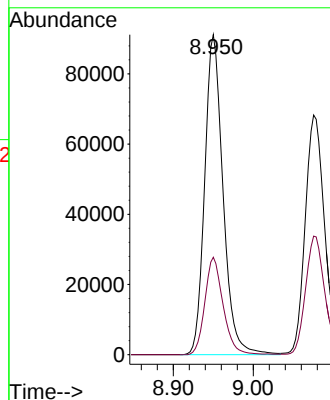
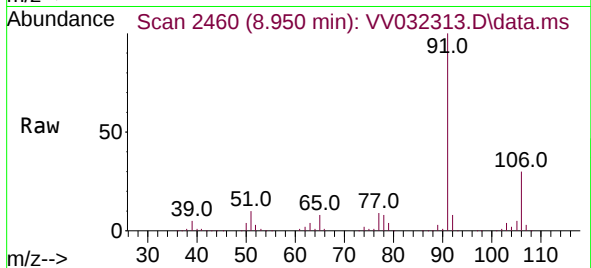
ClientSampleId :

Tgt Ion: 91 Resp: 145765

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



#53

m,p-Xylene

Concen: 4.619 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.000 min

Lab File: VV032313.D

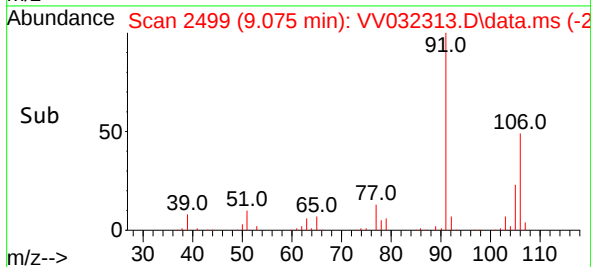
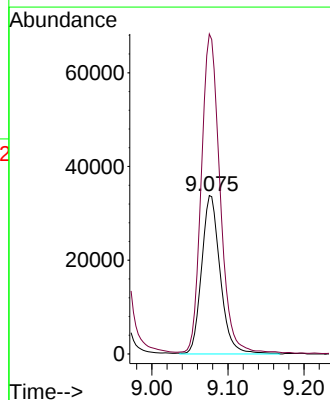
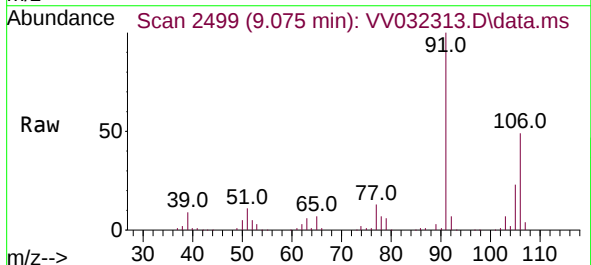
Acq: 06 Oct 2023 19:58

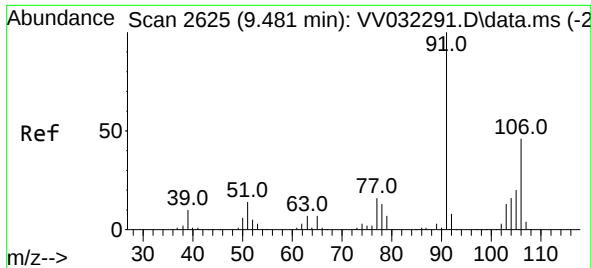
Tgt Ion:106 Resp: 57498

Ion Ratio Lower Upper

106 100

91 202.1 144.5 268.3

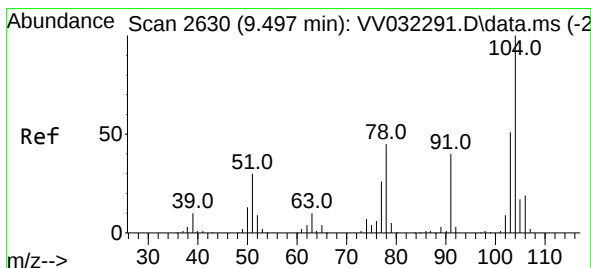
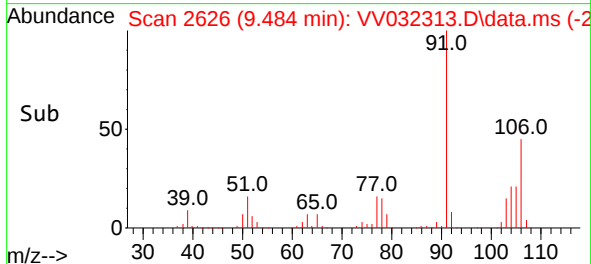
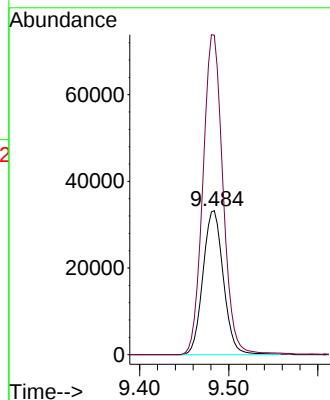
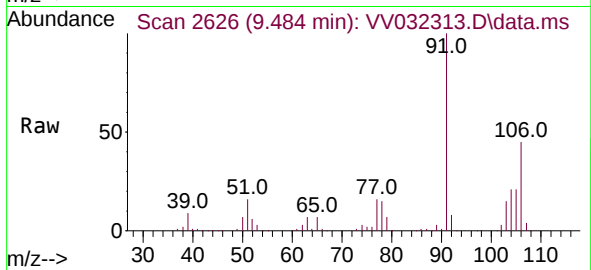




#54
o-Xylene
Concen: 4.415 ug/L
RT: 9.484 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

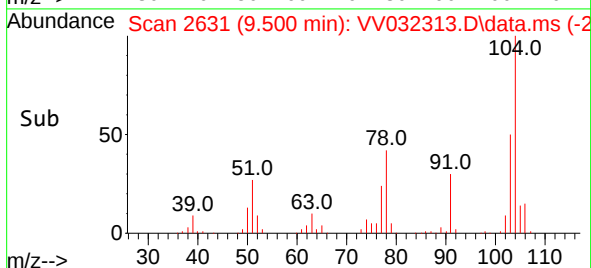
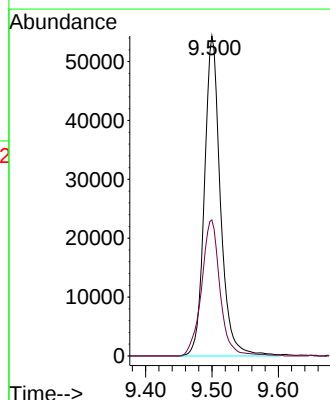
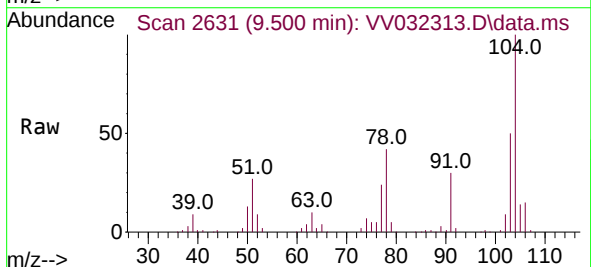
Instrument :
MSVOA_V
ClientSampleId :

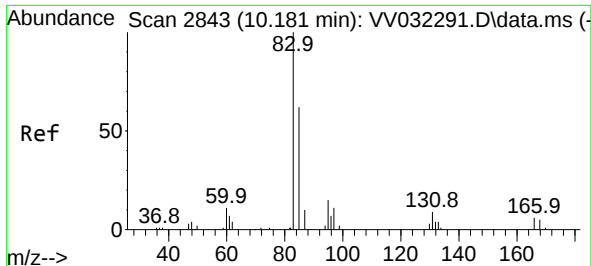
Tgt Ion:106 Resp: 52960
Ion Ratio Lower Upper
106 100
91 221.9 154.8 287.4



#55
Styrene
Concen: 4.510 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion:104 Resp: 91349
Ion Ratio Lower Upper
104 100
78 42.5 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.597 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

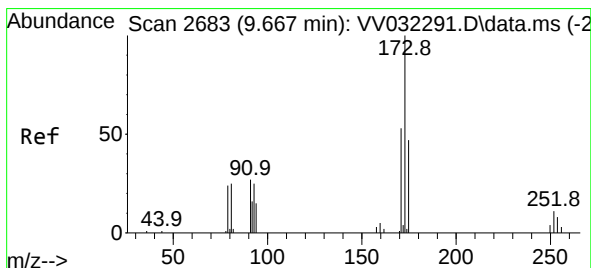
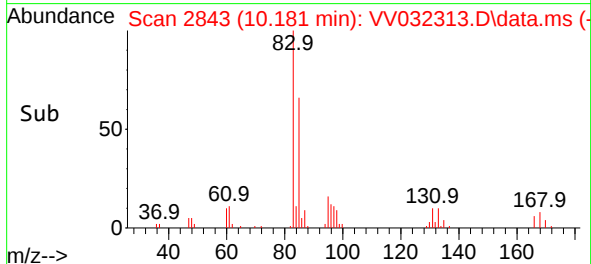
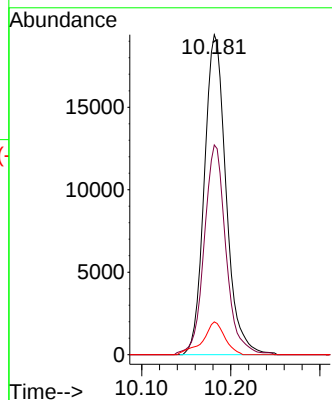
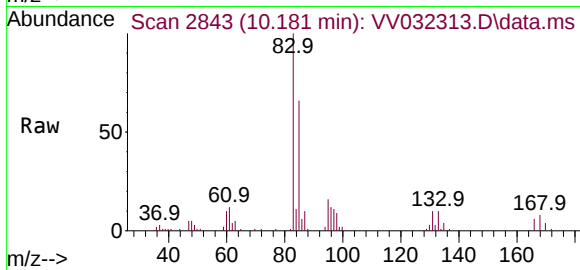
Tgt Ion: 83 Resp: 32851

Ion Ratio Lower Upper

83 100

85 65.5 43.6 81.0

131 10.3 7.0 10.6



#59

Bromoform

Concen: 4.777 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

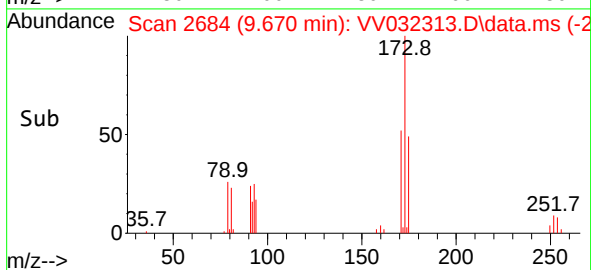
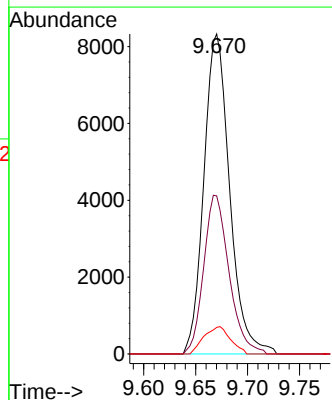
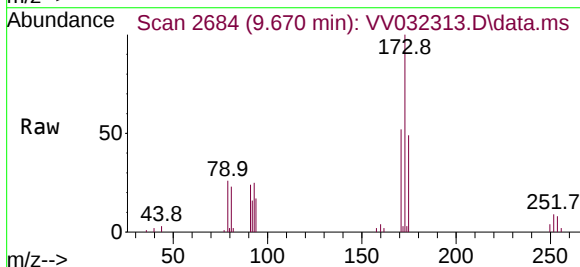
Tgt Ion: 173 Resp: 14374

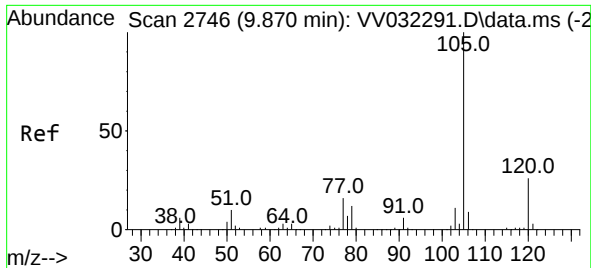
Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.2

254 8.7 7.0 10.4

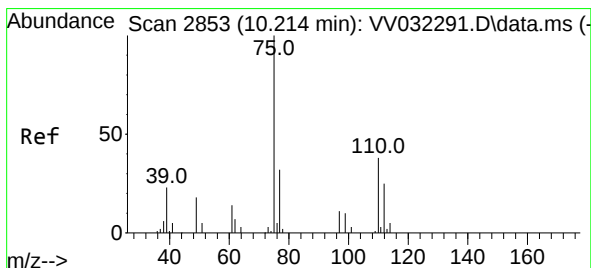
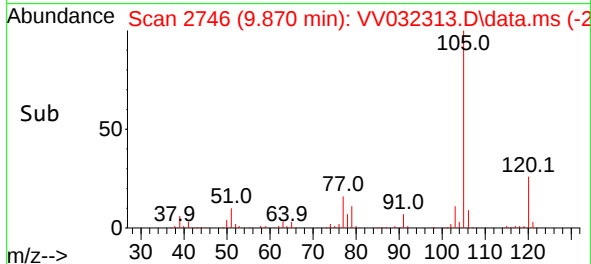
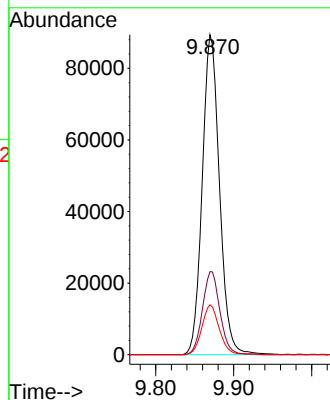
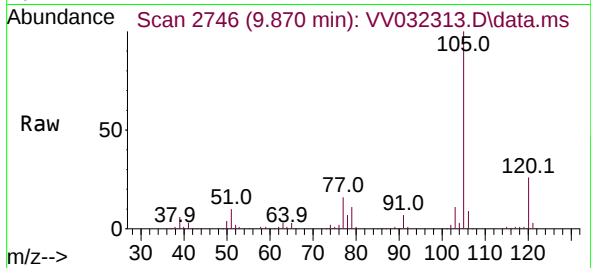




#60
Isopropylbenzene
Concen: 4.269 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

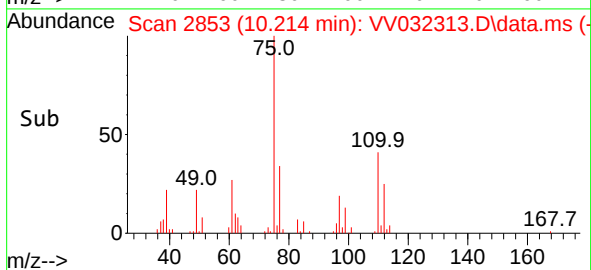
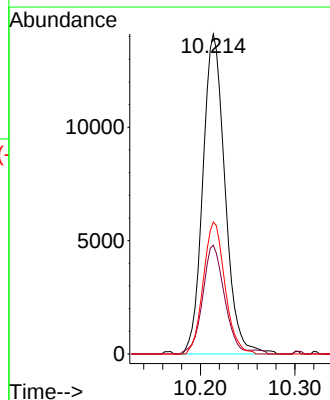
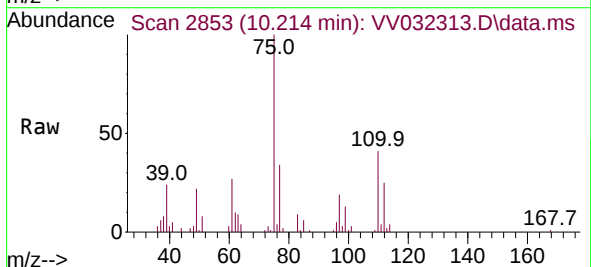
Instrument :
MSVOA_V
ClientSampleId :

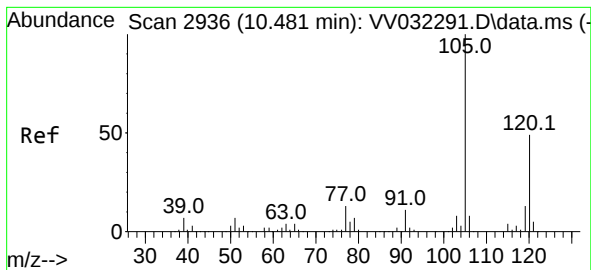
Tgt Ion:105 Resp: 137267
Ion Ratio Lower Upper
105 100
120 26.4 21.0 31.6
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.212 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion: 75 Resp: 22953
Ion Ratio Lower Upper
75 100
77 33.3 26.2 39.2
110 40.3 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.193 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

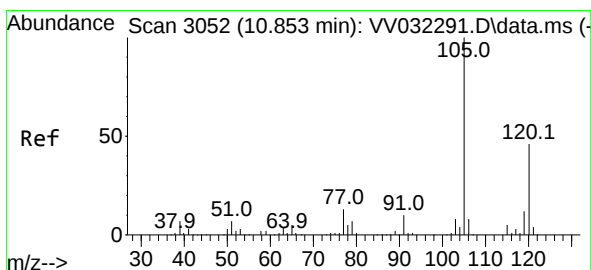
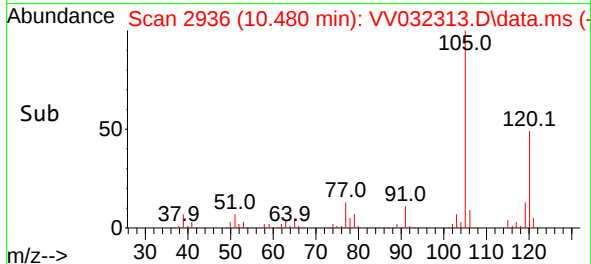
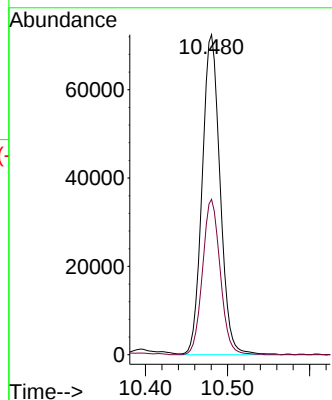
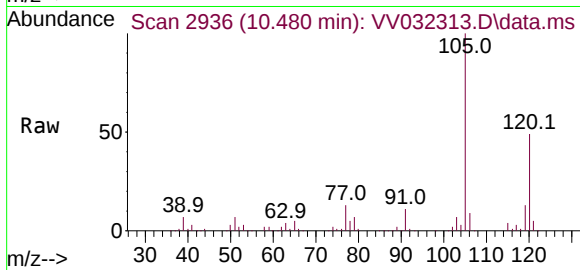
ClientSampleId :

Tgt Ion:105 Resp: 109894

Ion Ratio Lower Upper

105 100

120 48.0 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.278 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV032313.D

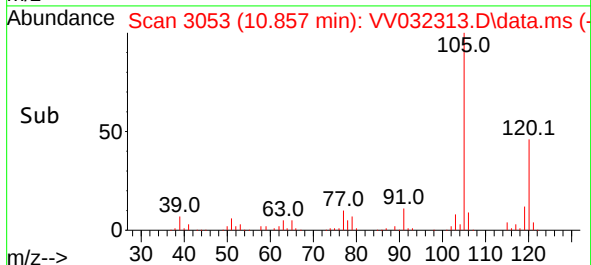
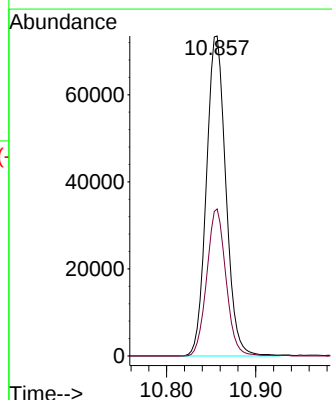
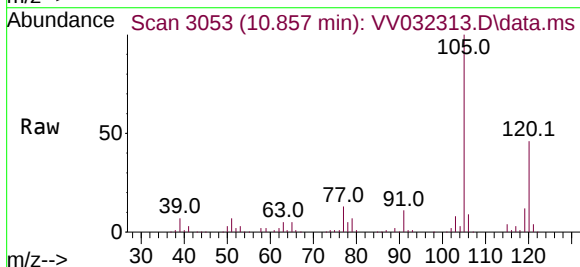
Acq: 06 Oct 2023 19:58

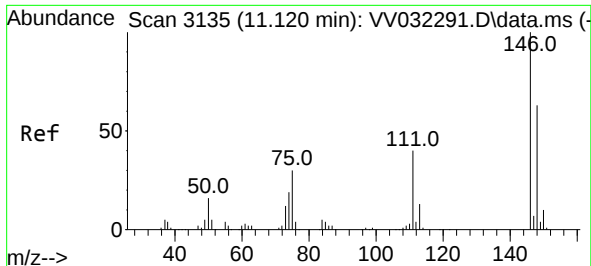
Tgt Ion:105 Resp: 111620

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.4

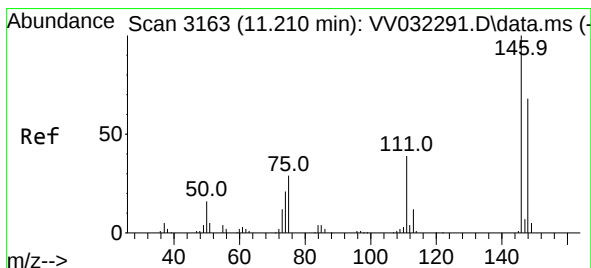
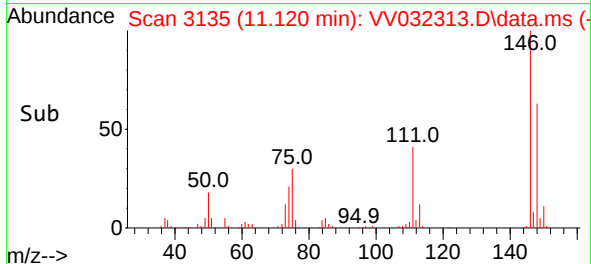
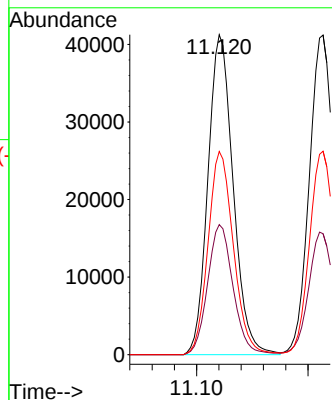
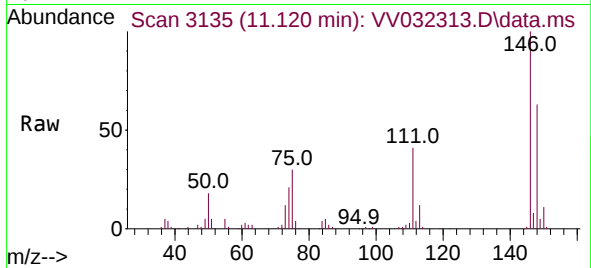




#64
1,3-Dichlorobenzene
Concen: 4.230 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

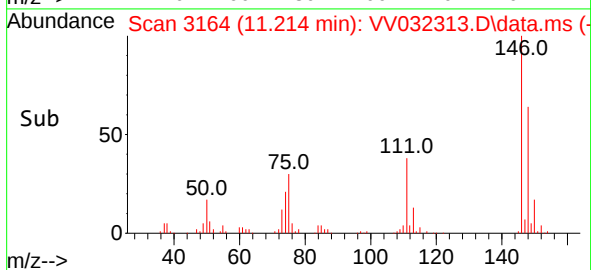
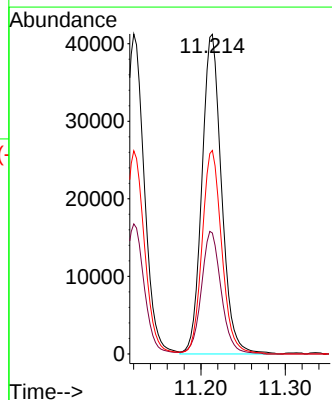
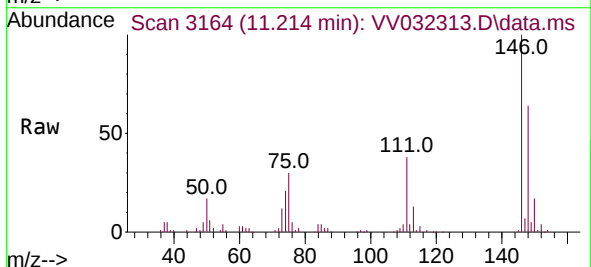
Instrument :
MSVOA_V
ClientSampleId :

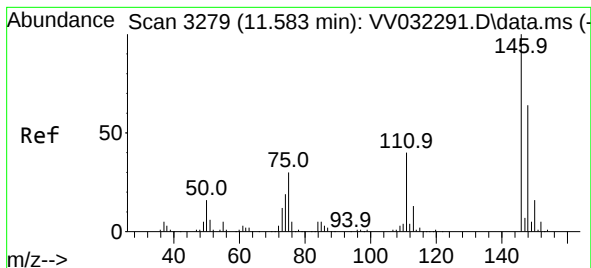
Tgt Ion:146 Resp: 64989
Ion Ratio Lower Upper
146 100
111 40.6 27.8 51.6
148 63.5 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.346 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032313.D
Acq: 06 Oct 2023 19:58

Tgt Ion:146 Resp: 66978
Ion Ratio Lower Upper
146 100
111 37.8 26.9 49.9
148 63.6 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 4.469 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

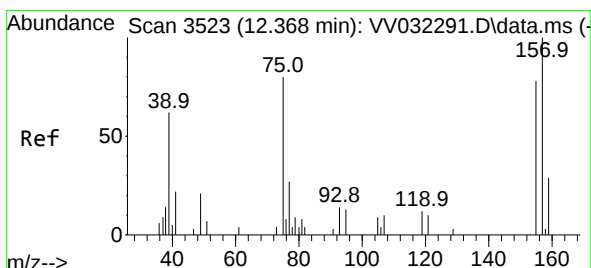
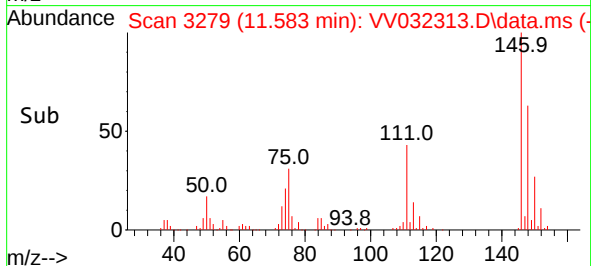
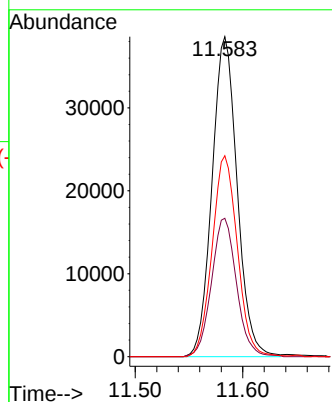
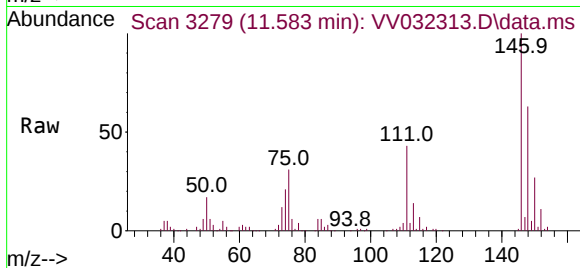
Tgt Ion:146 Resp: 62610

Ion Ratio Lower Upper

146 100

111 43.3 32.8 49.2

148 62.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.373 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

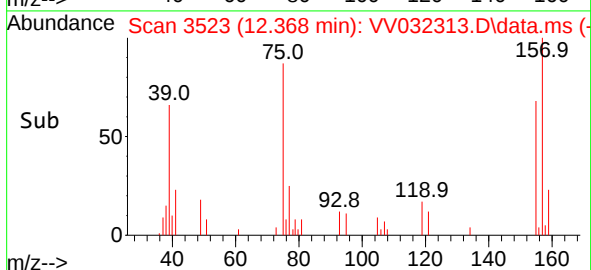
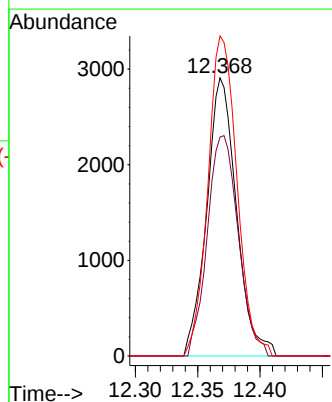
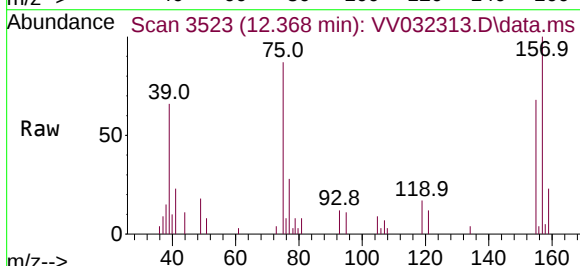
Tgt Ion: 75 Resp: 4835

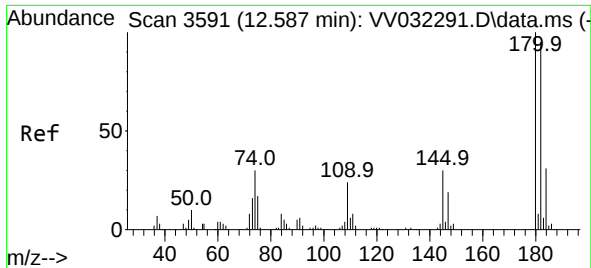
Ion Ratio Lower Upper

75 100

155 78.7 70.2 105.4

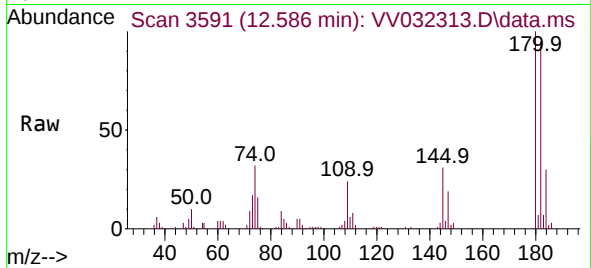
157 115.1 90.6 135.8



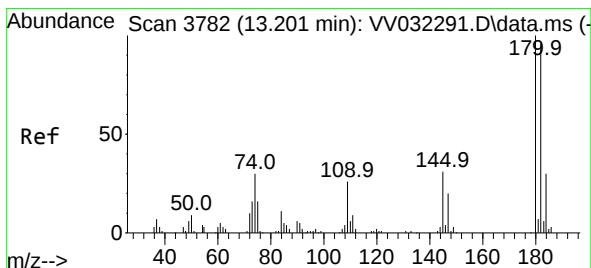
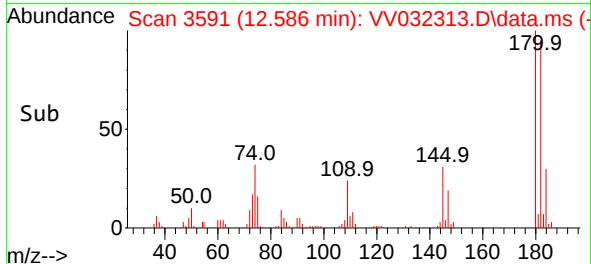
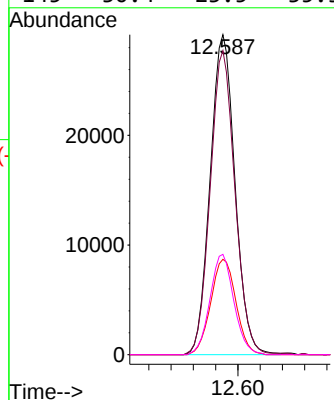


#69
 1,3,5-Trichlorobenzene
 Concen: 4.006 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. -0.000 min
 Lab File: VV032313.D
 Acq: 06 Oct 2023 19:58

Instrument :
 MSVOA_V
 ClientSampleId :

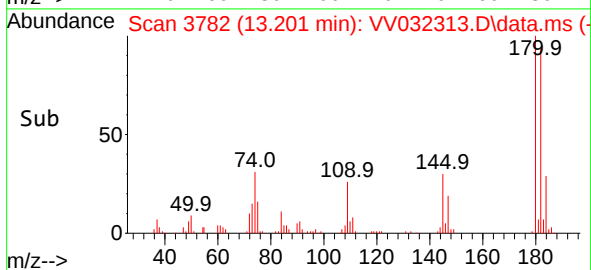
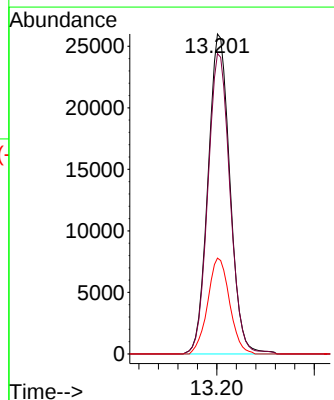
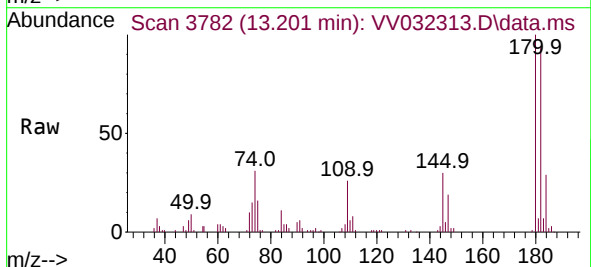


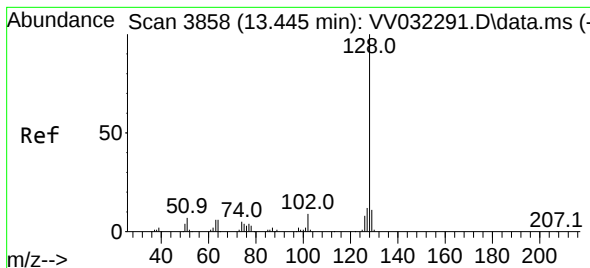
Tgt Ion:180 Resp: 45072
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.6 112.0
 184 30.3 24.1 36.1
 145 30.4 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 4.061 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. -0.000 min
 Lab File: VV032313.D
 Acq: 06 Oct 2023 19:58

Tgt Ion:180 Resp: 40523
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.5 114.7
 145 29.9 24.3 36.5





#71

Naphthalene

Concen: 4.874 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.003 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Instrument :

MSVOA_V

ClientSampleId :

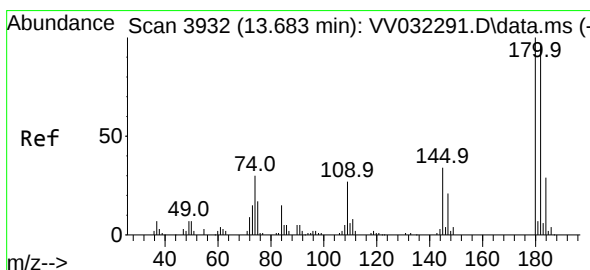
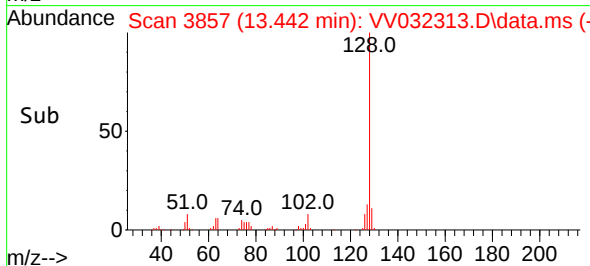
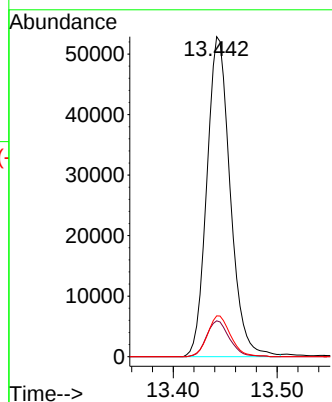
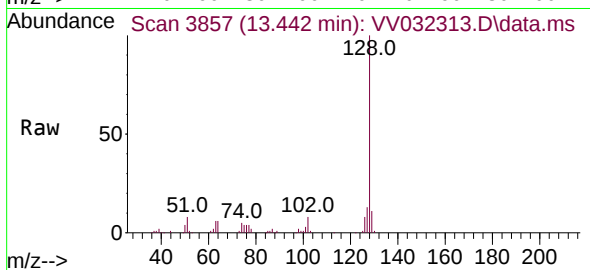
Tgt Ion:128 Resp: 82620

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

127 12.6 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.420 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032313.D

Acq: 06 Oct 2023 19:58

Tgt Ion:180 Resp: 38008

Ion Ratio Lower Upper

180 100

182 97.9 77.0 115.4

145 33.3 25.7 38.5

