

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032729.D
 Acq On : 28 Oct 2023 09:53
 Operator : SY/MD
 Sample : 05019-03MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 01:15:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 02:08:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	140411	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	158793	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	85622	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	49003	4.250	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.532	69	48291	4.928	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.060	65	21128	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	3.802	46	101084	40.592	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.180%
24) Chloroform-d	4.253	84	96038	5.016	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	4.944	65	46649	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.966	84	183911	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	5.992	67	52108	4.760	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.246	98	190693	4.976	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	7.558	79	20950	4.337	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.030	63	87084	45.487	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.980%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	45834	4.708	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	66720	4.772	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71600	4.968	ug/L	100
3) Chloromethane	1.217	50	82095	4.828	ug/L	100
5) Vinyl chloride	1.285	62	78320	4.642	ug/L	100
6) Bromomethane	1.491	94	45322	4.603	ug/L	96
8) Chloroethane	1.552	64	54575	4.945	ug/L	97
9) Trichlorofluoromethane	1.716	101	109792	4.833	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	63594	4.747	ug/L	99
12) 1,1-Dichloroethene	2.073	96	59300	4.725	ug/L	87
13) Acetone	2.130	43	102683	41.769	ug/L	89
14) Carbon disulfide	2.243	76	186886	4.701	ug/L	99
15) Methyl Acetate	2.388	43	16912	3.435	ug/L	91
16) Methylene chloride	2.449	84	66088	4.279	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	131928	4.869	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	62571	5.042	ug/L	98
19) 1,1-Dichloroethane	3.114	63	111137	5.051	ug/L	97
21) 2-Butanone	3.883	43	143239	44.072	ug/L	90
22) cis-1,2-Dichloroethene	3.818	96	64035	5.090	ug/L	98
23) Bromochloromethane	4.153	128	29159	4.982	ug/L	98
25) Chloroform	4.281	83	123559	5.166	ug/L	95

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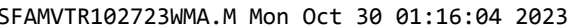
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 ClientSampleId :

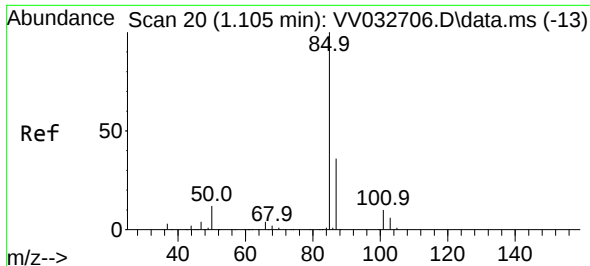
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	72267	4.861	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	101477	4.954	ug/L	99
30) Cyclohexane	4.584	56	81611	4.728	ug/L	98
31) Carbon tetrachloride	4.738	117	87979	4.937	ug/L	99
33) Benzene	5.015	78	256627	5.127	ug/L	100
34) Trichloroethene	5.834	95	64754	4.842	ug/L	98
35) Methylcyclohexane	6.053	83	92374	4.623	ug/L	96
37) 1,2-Dichloropropane	6.095	63	60793	5.034	ug/L	98
38) Bromodichloromethane	6.436	83	94519	5.297	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	87800	4.775	ug/L	95
40) 4-Methyl-2-pentanone	7.159	43	394060	50.565	ug/L	99
42) Toluene	7.317	91	305377	5.251	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	73582	4.650	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	51040	5.004	ug/L	98
47) Tetrachloroethene	7.908	164	57834	4.894	ug/L	96
48) 2-Hexanone	8.079	43	280848	49.272	ug/L	99
49) Dibromochloromethane	8.178	129	60313	4.985	ug/L	98
50) 1,2-Dibromoethane	8.284	107	47777	5.019	ug/L	99
51) Chlorobenzene	8.815	112	191342	4.980	ug/L	98
52) Ethylbenzene	8.950	91	311554	5.096	ug/L	98
53) m,p-Xylene	9.075	106	120711	5.214	ug/L	98
54) o-Xylene	9.481	106	114860	5.115	ug/L	94
55) Styrene	9.500	104	192802	5.183	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.182	83	58096	4.883	ug/L	95
59) Bromoform	9.670	173	32205	4.794	ug/L	99
60) Isopropylbenzene	9.870	105	286716	4.934	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	42593	4.704	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	227769	4.795	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	229153	4.882	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	153583	4.926	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	151052	4.880	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	143117	4.991	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	8891	4.108	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	104352	4.689	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	88804	4.702	ug/L	98
71) Naphthalene	13.442	128	135084	4.514	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	79741	4.802	ug/L	99

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

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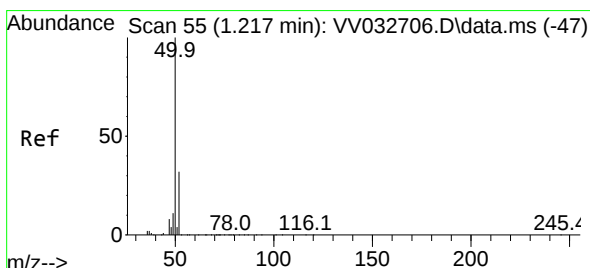
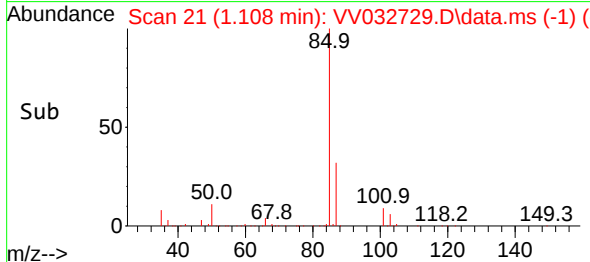
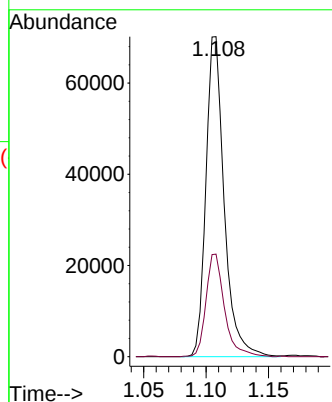
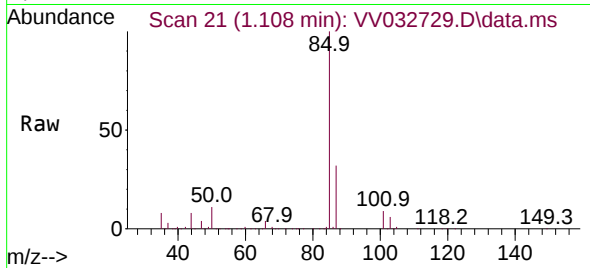




#2
 Dichlorodifluoromethane
 Concen: 4.968 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

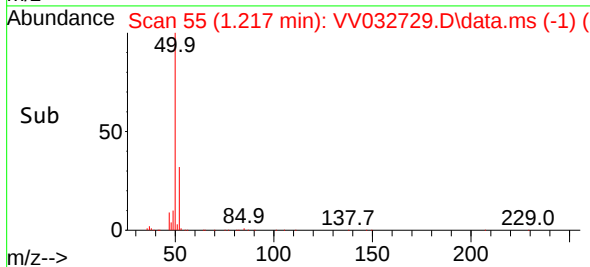
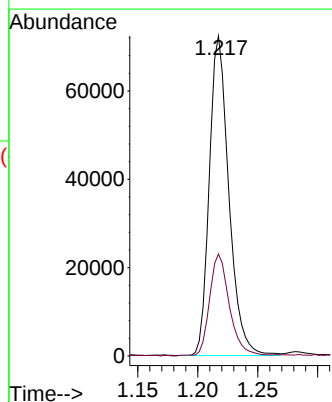
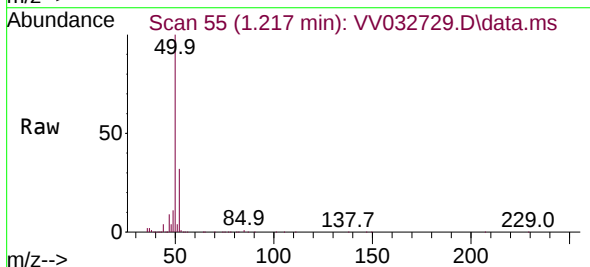
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 ClientSampleId :

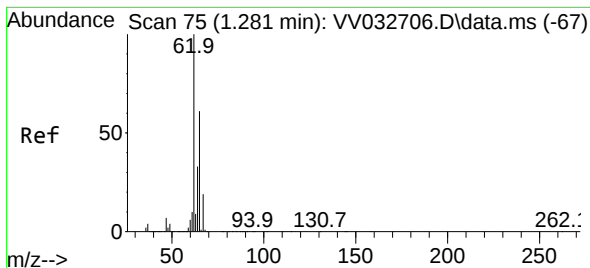
Tgt Ion: 85 Resp: 71600
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 4.828 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

Tgt Ion: 50 Resp: 82095
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.3 41.5





#5

Vinyl chloride

Concen: 4.642 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

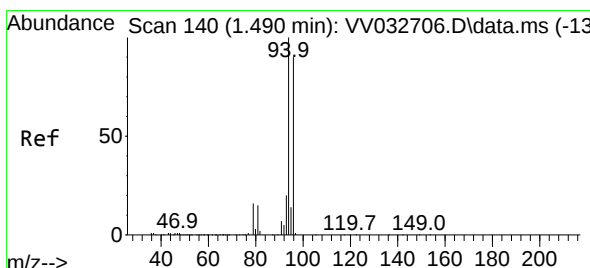
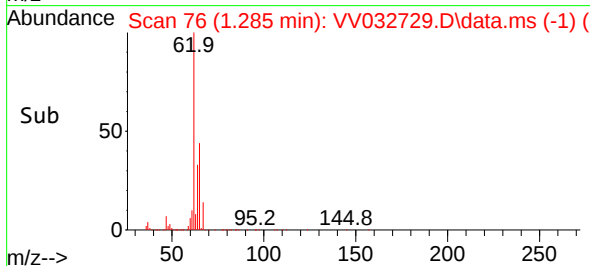
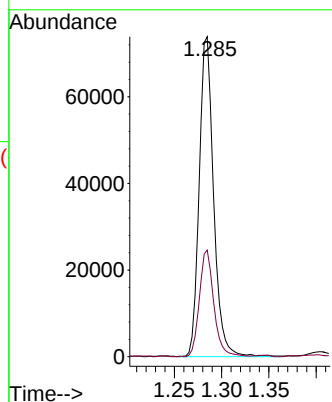
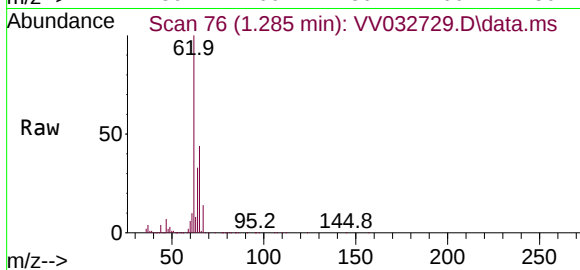
ClientSampleId :

Tgt Ion: 62 Resp: 78320

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 4.603 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV032729.D

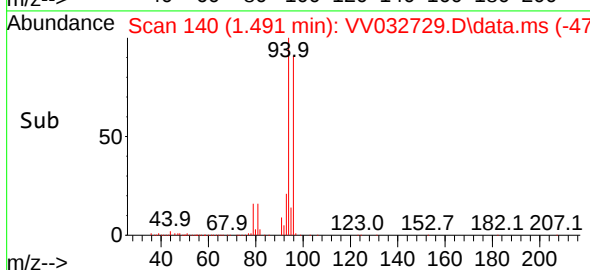
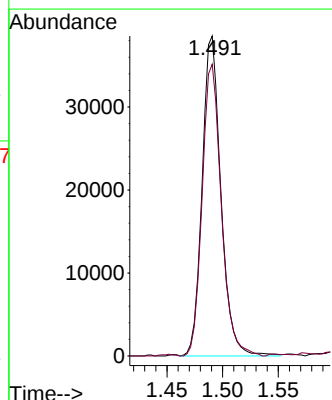
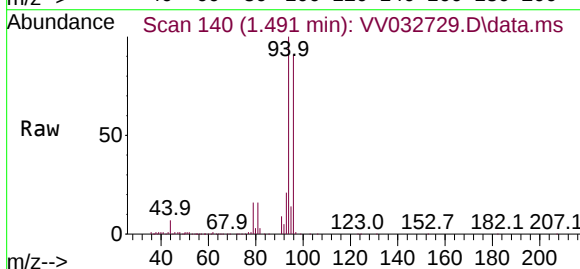
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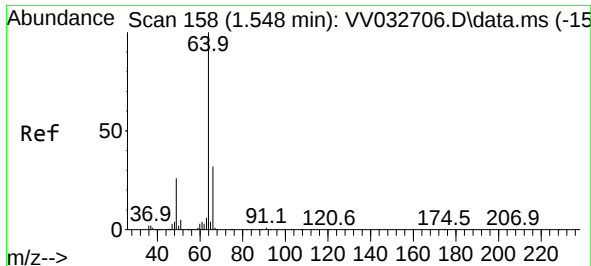
Tgt Ion: 94 Resp: 45322

Ion Ratio Lower Upper

94 100

96 91.2 66.4 123.2

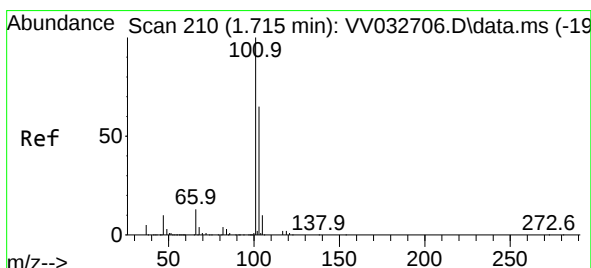
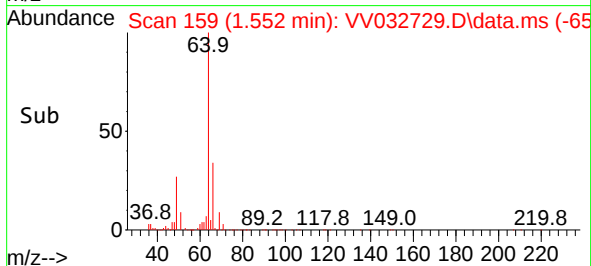
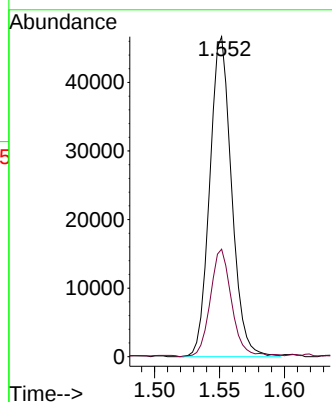
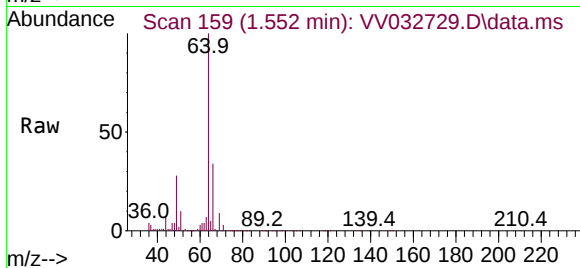




#8
Chloroethane
Concen: 4.945 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

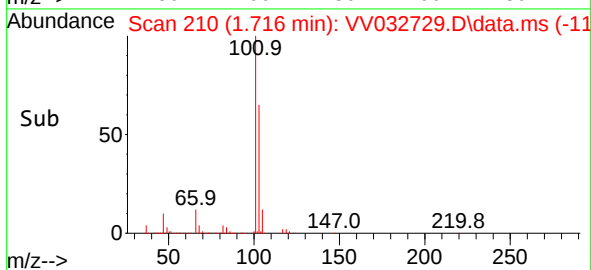
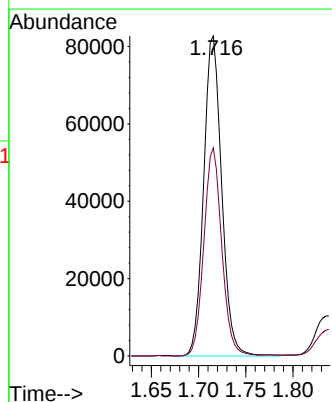
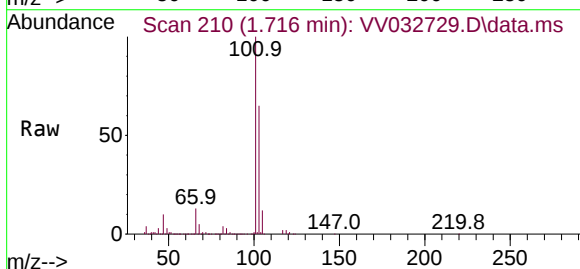
Instrument :
MSVOA_V
ClientSampleId :

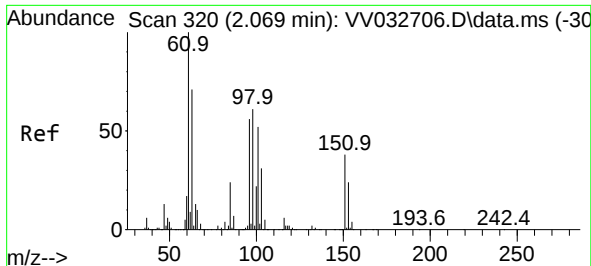
Tgt Ion: 64 Resp: 54575
Ion Ratio Lower Upper
64 100
66 33.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.833 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 101 Resp: 109792
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

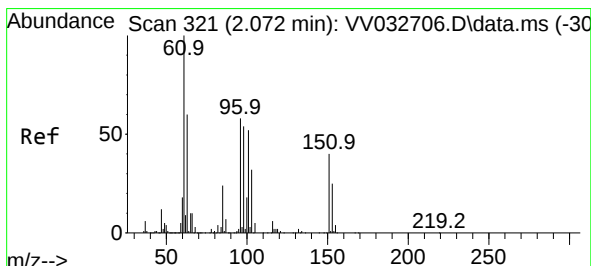
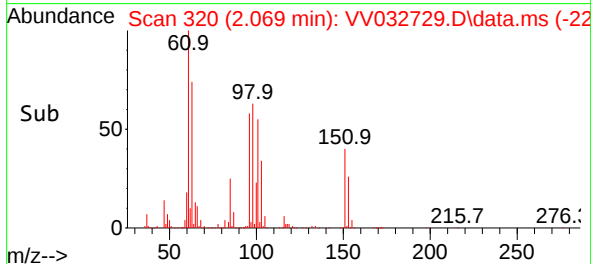
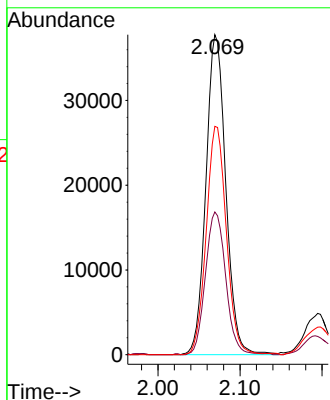
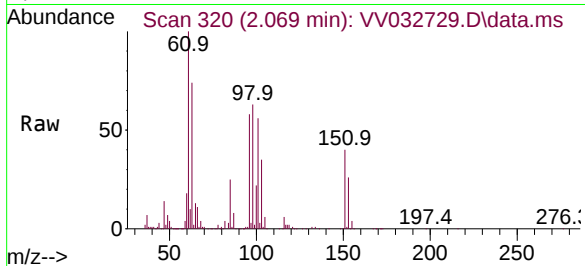




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.747 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

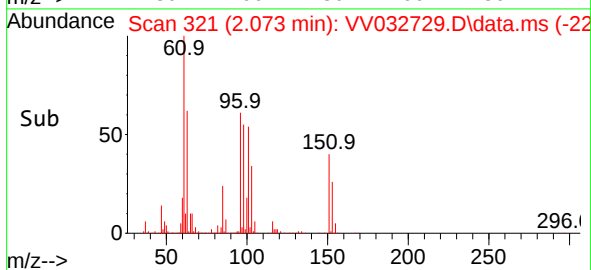
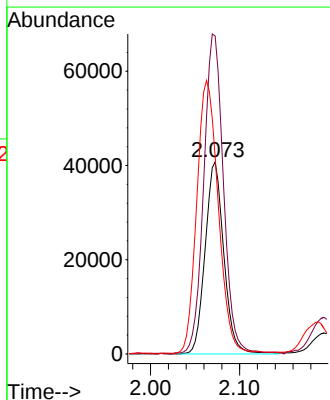
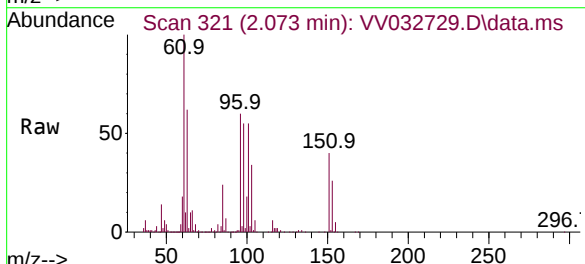
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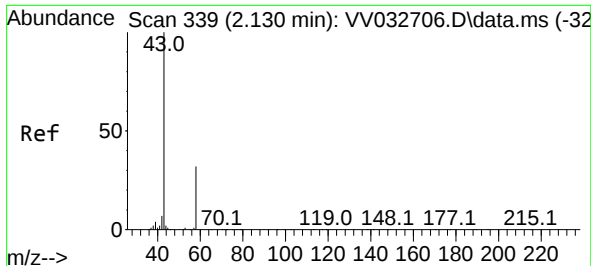
Tgt Ion:101 Resp: 63594
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.2 54.4
 151 72.3 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.725 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

Tgt Ion: 96 Resp: 59300
 Ion Ratio Lower Upper
 96 100
 61 165.6 122.3 227.1
 63 102.8 89.4 166.0





#13

Acetone

Concen: 41.769 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

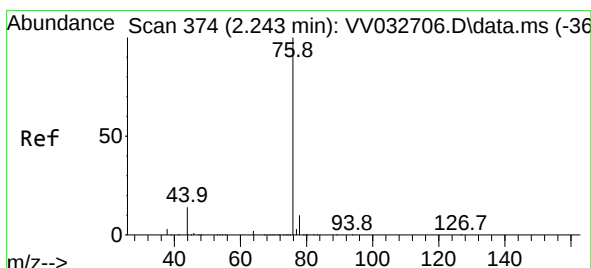
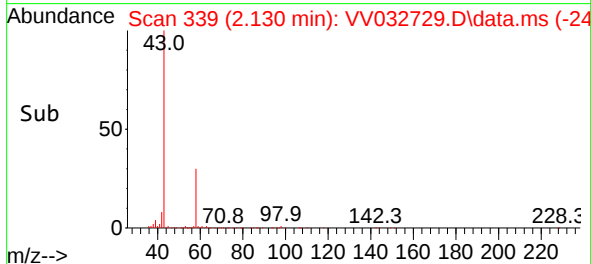
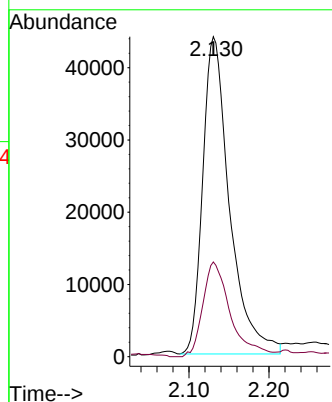
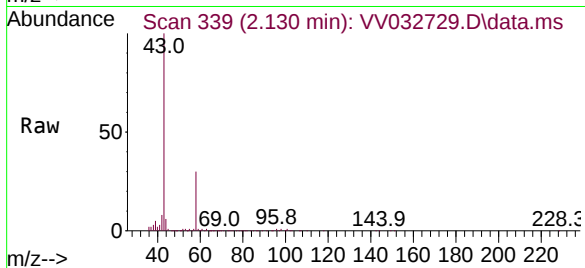
ClientSampleId :

Tgt Ion: 43 Resp: 102683

Ion Ratio Lower Upper

43 100

58 30.7 0.0 50.6



#14

Carbon disulfide

Concen: 4.701 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032729.D

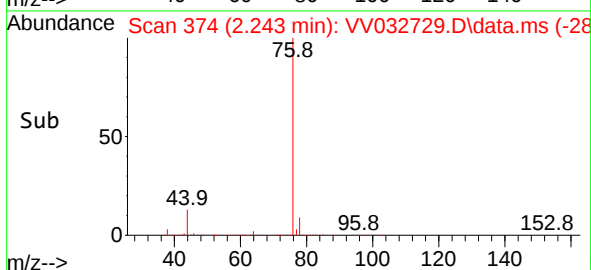
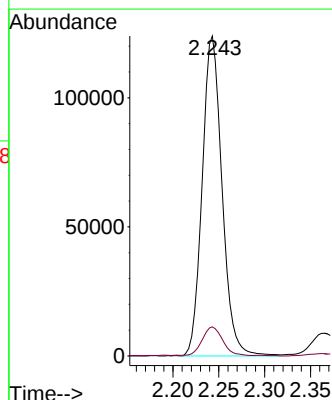
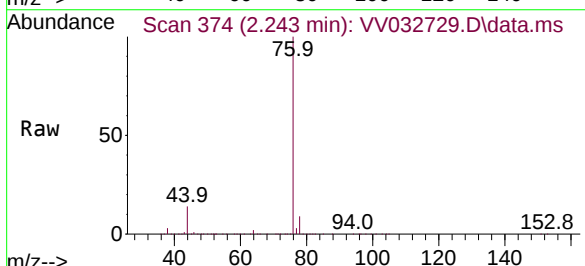
Acq: 28 Oct 2023 09:53

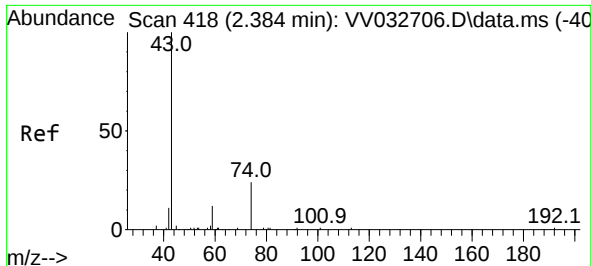
Tgt Ion: 76 Resp: 186886

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

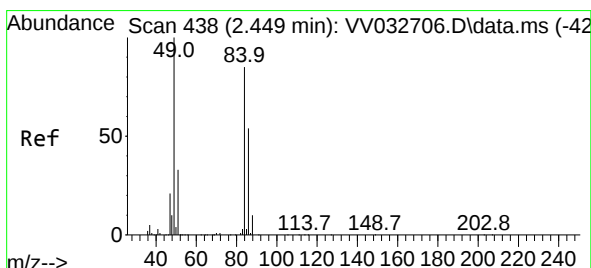
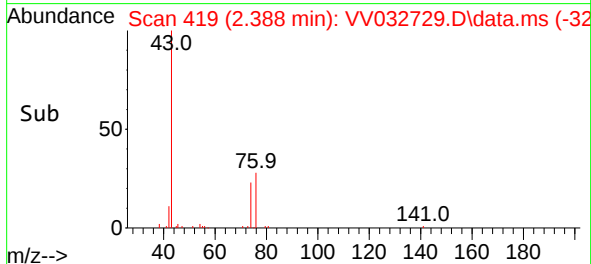
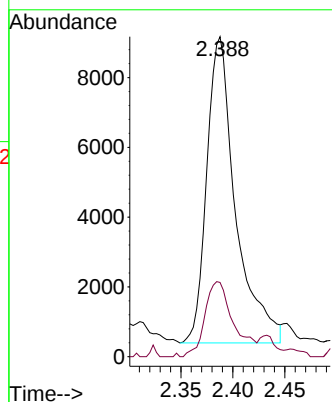
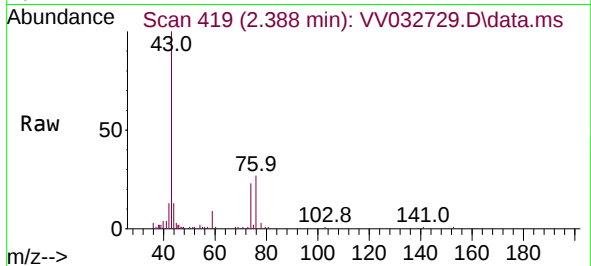




#15
Methyl Acetate
Concen: 3.435 ug/L
RT: 2.388 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

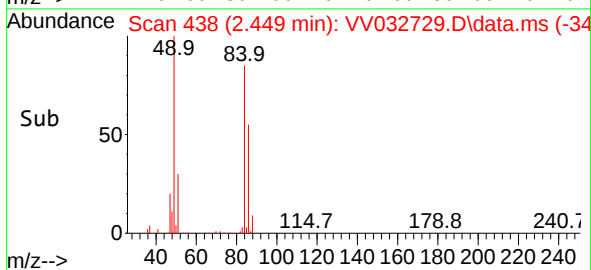
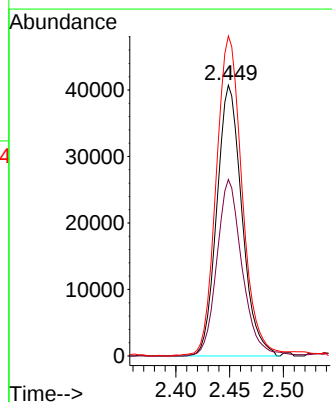
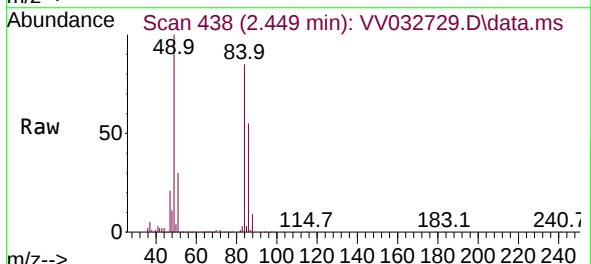
Instrument :
MSVOA_V
ClientSampleId :

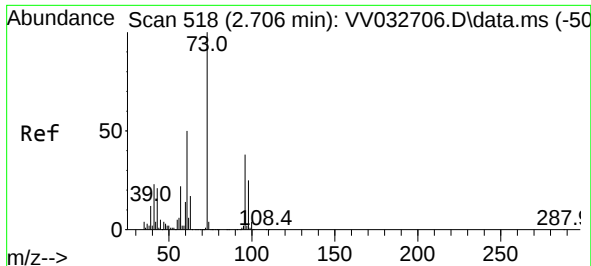
Tgt Ion: 43 Resp: 16912
Ion Ratio Lower Upper
43 100
74 24.4 23.1 34.7



#16
Methylene chloride
Concen: 4.279 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 84 Resp: 66088
Ion Ratio Lower Upper
84 100
86 65.2 44.8 83.2
49 118.2 81.1 150.5





#17

Methyl tert-butyl Ether

Concen: 4.869 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

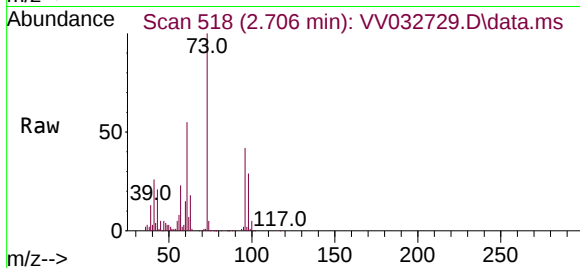
Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :



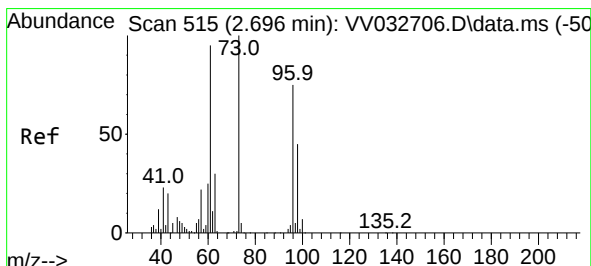
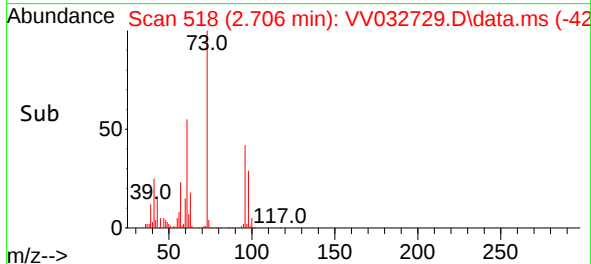
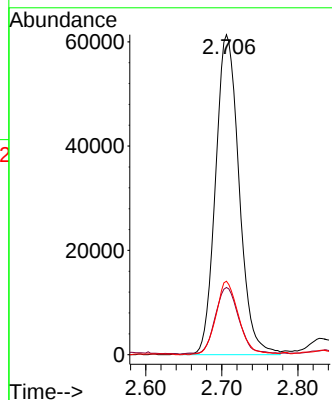
Tgt Ion: 73 Resp: 131928

Ion Ratio Lower Upper

73 100

43 20.2 16.6 24.8

57 22.2 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 5.042 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

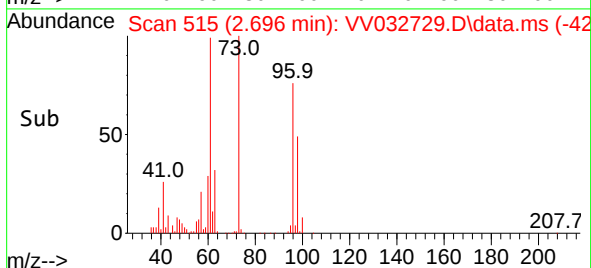
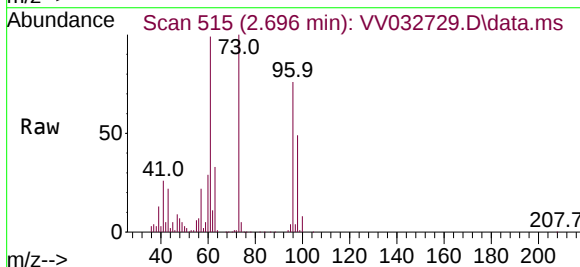
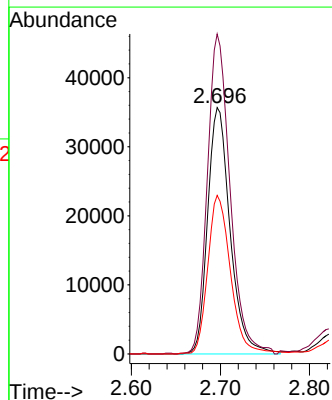
Tgt Ion: 96 Resp: 62571

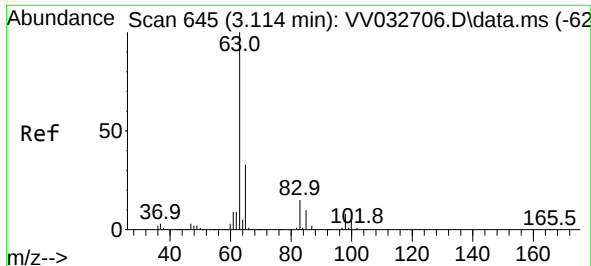
Ion Ratio Lower Upper

96 100

61 129.9 88.7 164.7

98 64.3 44.4 82.4





#19

1,1-Dichloroethane

Concen: 5.051 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

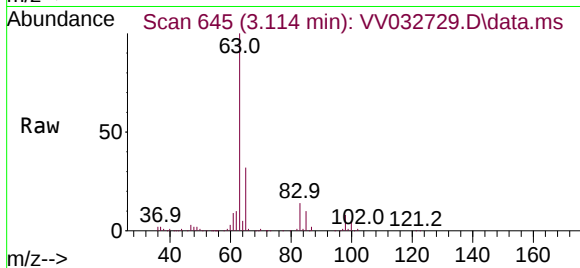
Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :



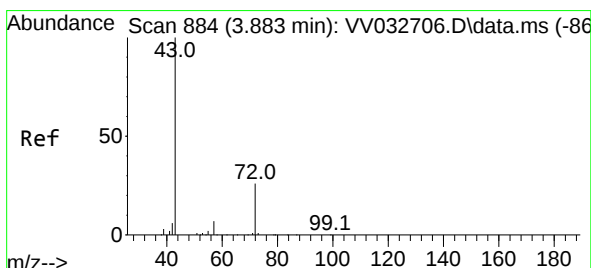
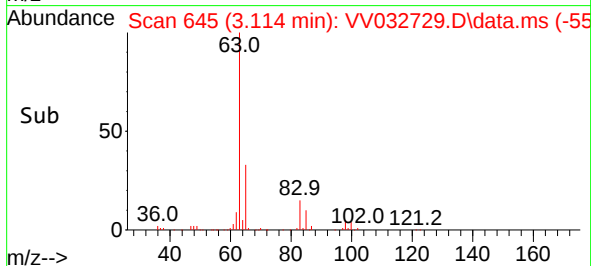
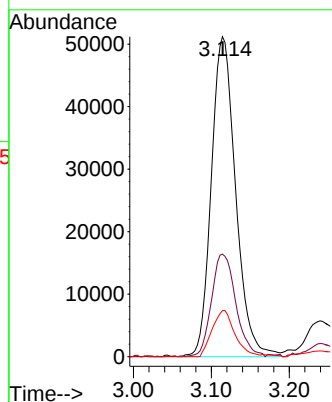
Tgt Ion: 63 Resp: 111137

Ion Ratio Lower Upper

63 100

65 32.0 21.5 39.9

83 14.4 9.2 17.0



#21

2-Butanone

Concen: 44.072 ug/L

RT: 3.883 min Scan# 884

Delta R.T. 0.000 min

Lab File: VV032729.D

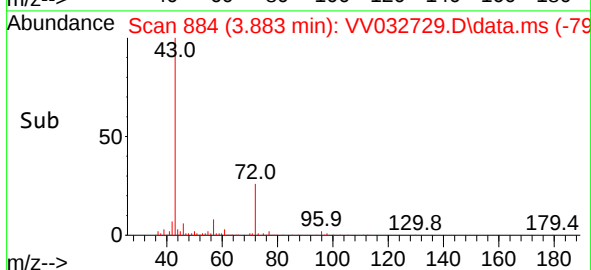
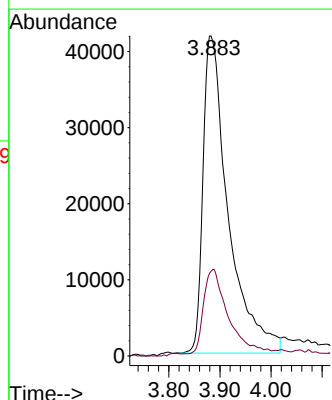
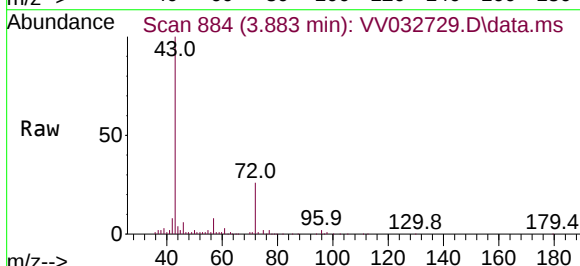
Acq: 28 Oct 2023 09:53

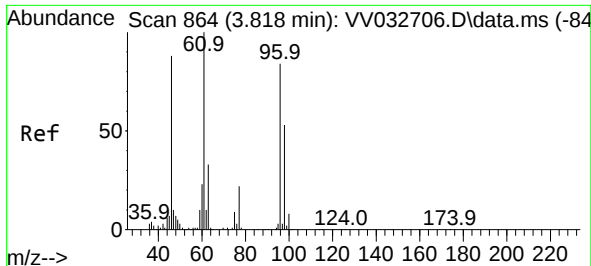
Tgt Ion: 43 Resp: 143239

Ion Ratio Lower Upper

43 100

72 25.6 10.4 31.2

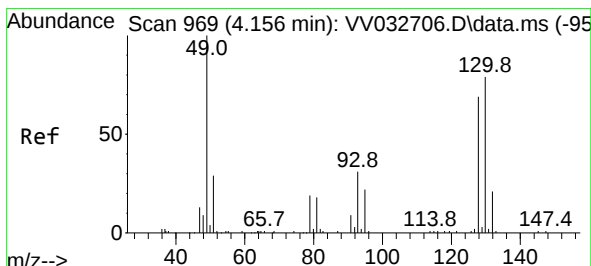
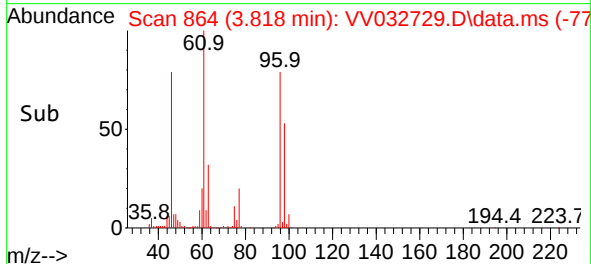
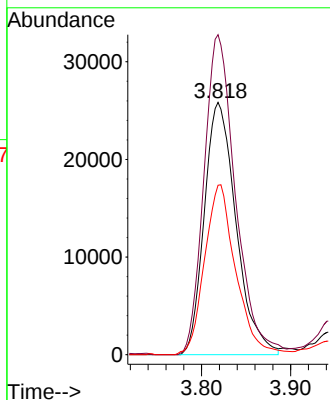
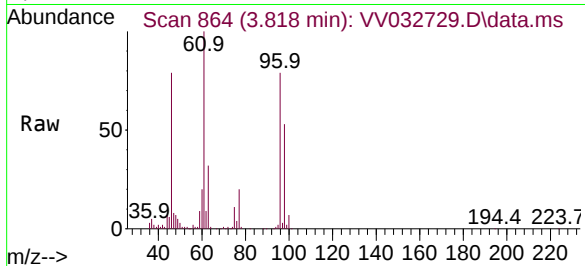




#22
 cis-1,2-Dichloroethene
 Concen: 5.090 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

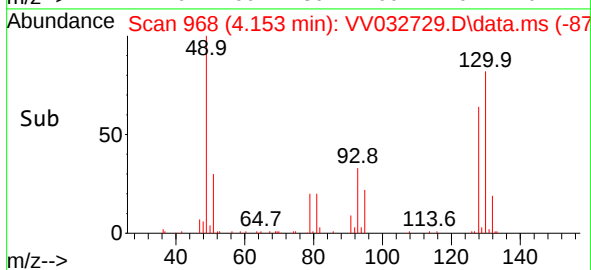
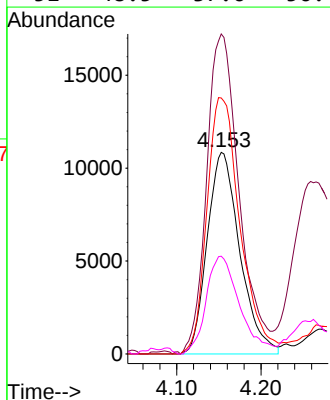
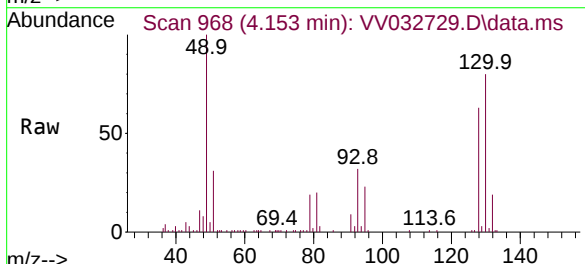
Instrument :
 MSVOA_V
 ClientSampleId :

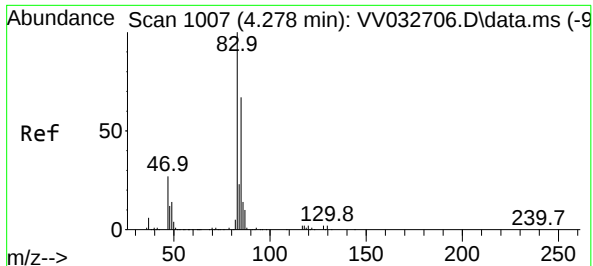
Tgt Ion: 96 Resp: 64035
 Ion Ratio Lower Upper
 96 100
 61 126.8 87.7 162.9
 98 67.2 45.0 83.6



#23
 Bromochloromethane
 Concen: 4.982 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

Tgt Ion:128 Resp: 29159
 Ion Ratio Lower Upper
 128 100
 49 158.7 110.4 205.0
 130 126.9 86.8 161.2
 51 48.5 37.6 56.4

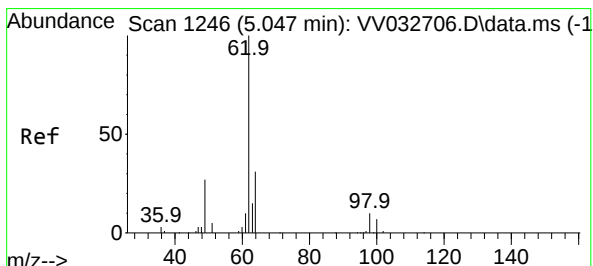
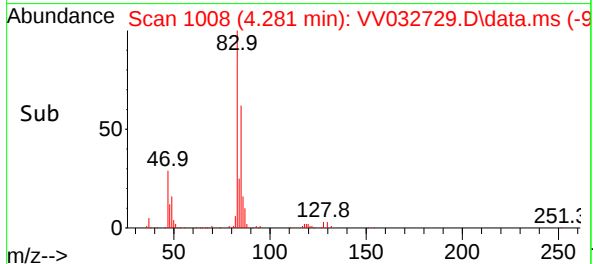
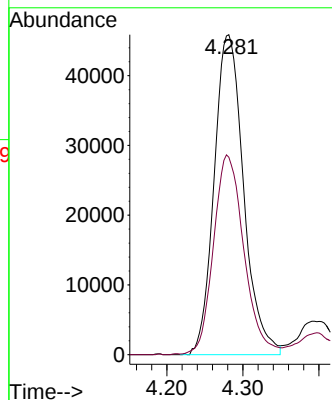
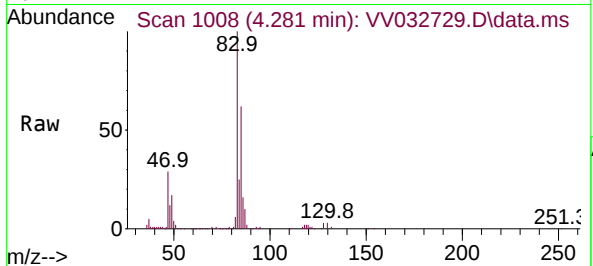




#25
Chloroform
Concen: 5.166 ug/L
RT: 4.281 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

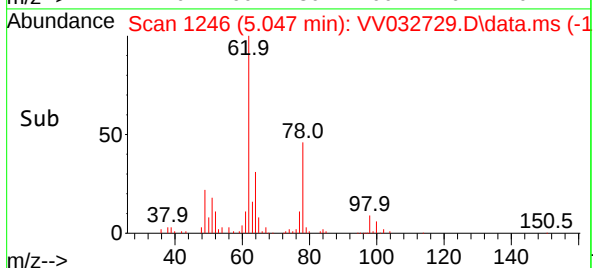
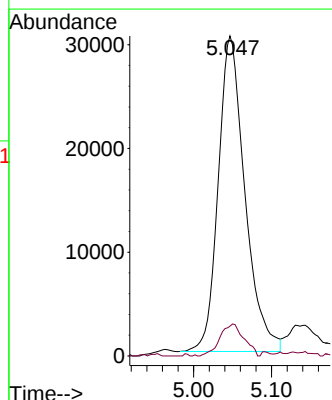
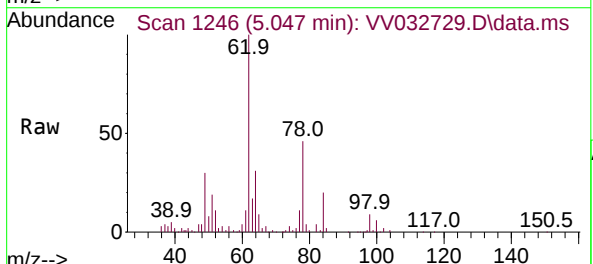
Instrument :
MSVOA_V
ClientSampleId :

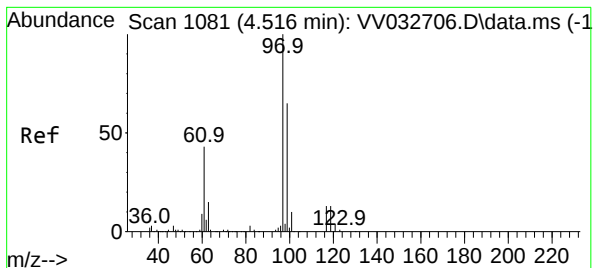
Tgt Ion: 83 Resp: 123559
Ion Ratio Lower Upper
83 100
85 61.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.861 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 62 Resp: 72267
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.954 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

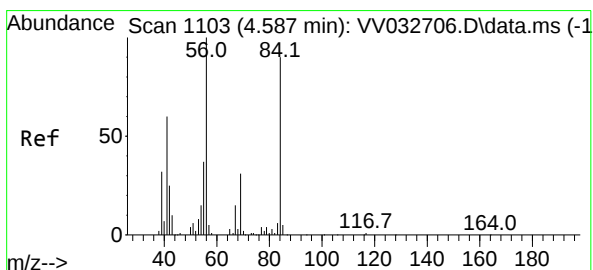
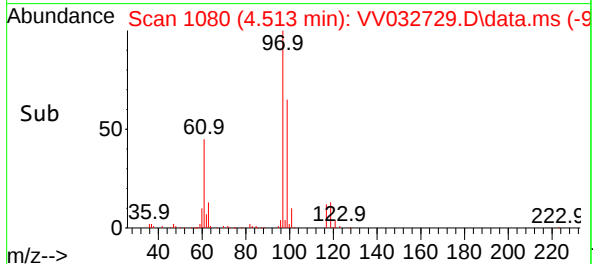
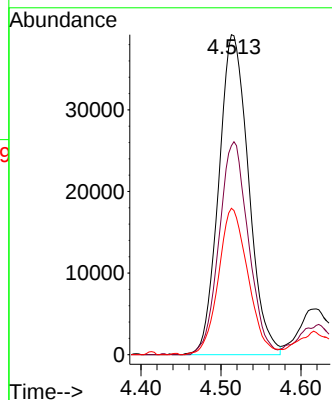
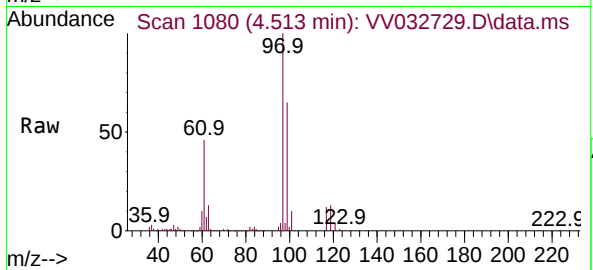
Tgt Ion: 97 Resp: 101477

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

61 45.5 36.1 54.1



#30

Cyclohexane

Concen: 4.728 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

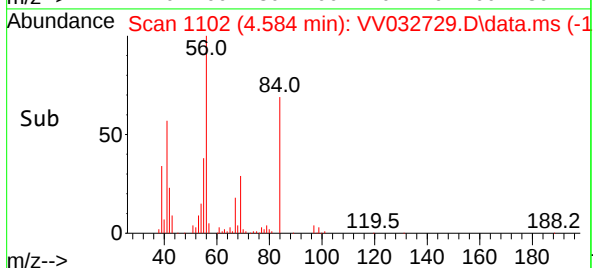
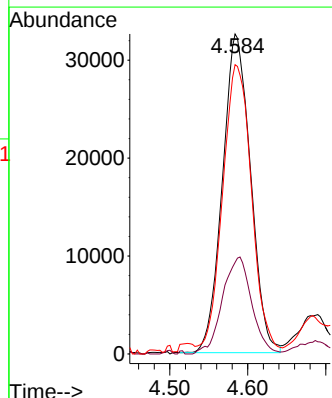
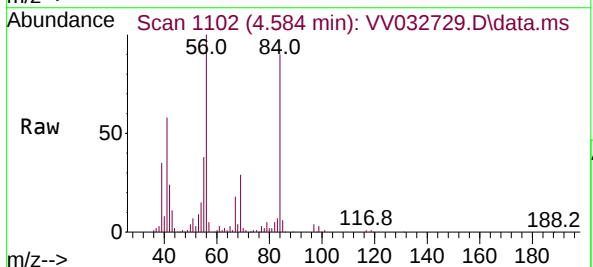
Tgt Ion: 56 Resp: 81611

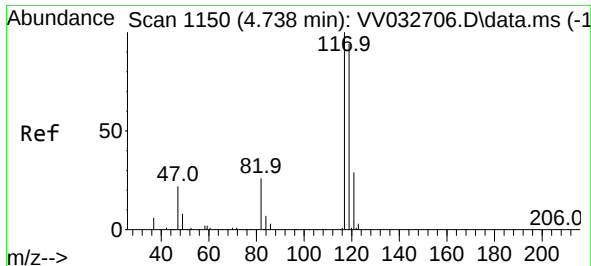
Ion Ratio Lower Upper

56 100

69 31.5 25.0 37.6

84 92.9 72.9 109.3

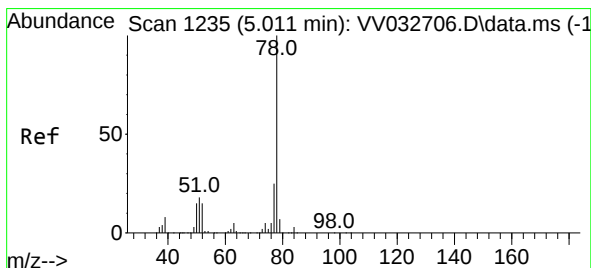
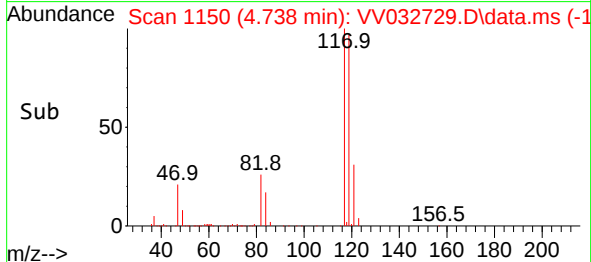
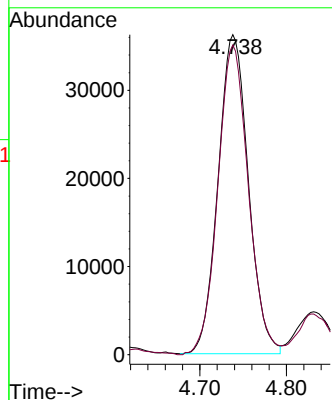
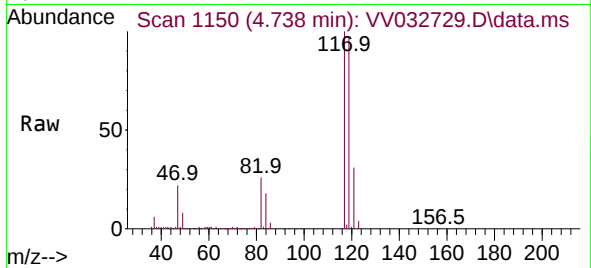




#31
Carbon tetrachloride
Concen: 4.937 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

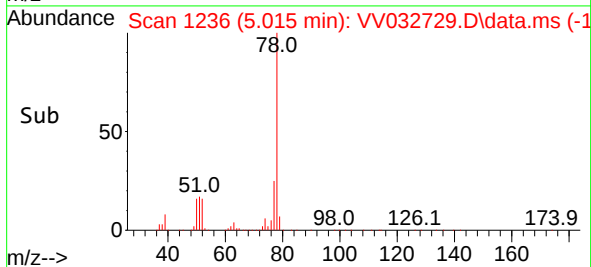
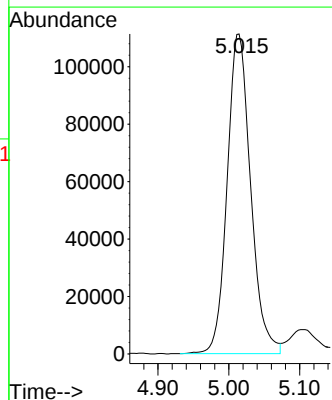
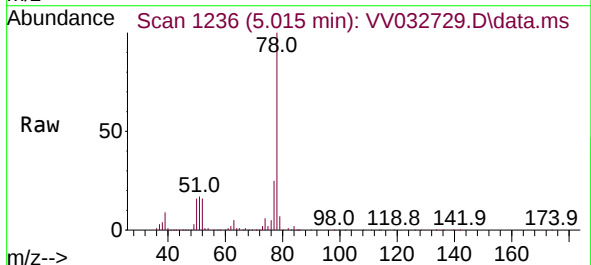
Instrument :
MSVOA_V
ClientSampleId :

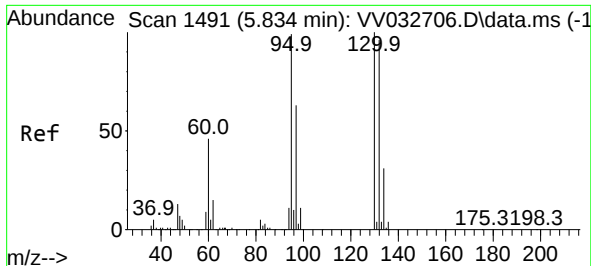
Tgt Ion:117 Resp: 87979
Ion Ratio Lower Upper
117 100
119 98.1 77.8 116.6



#33
Benzene
Concen: 5.127 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 78 Resp: 256627



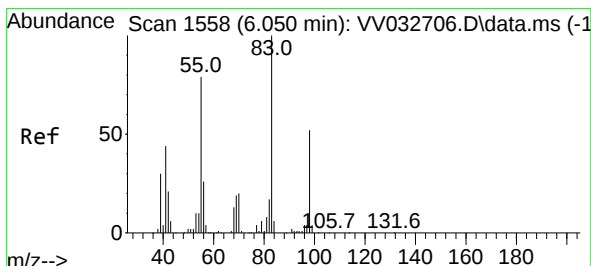
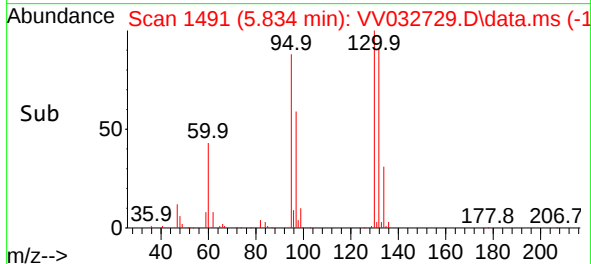
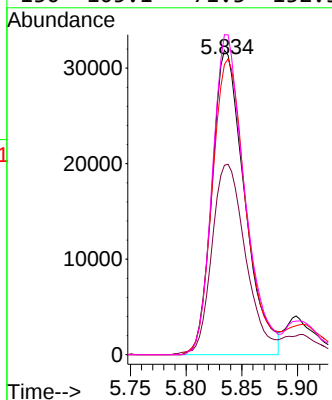
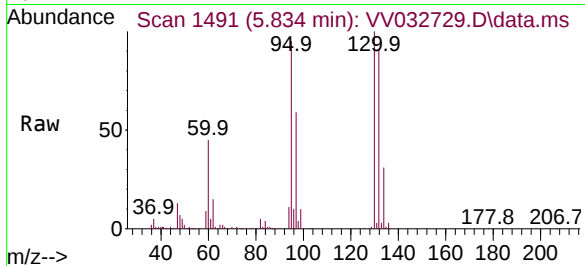


#34
Trichloroethene
Concen: 4.842 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 64754

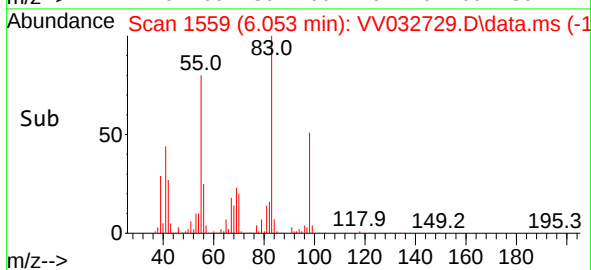
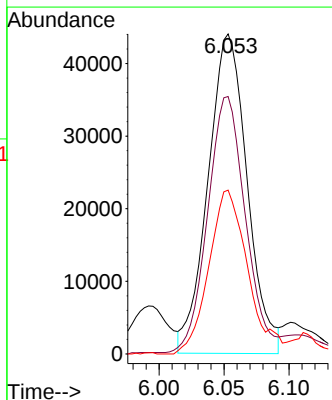
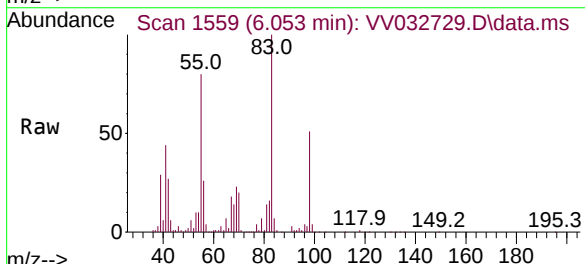
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.0	81.8
132	95.3	66.9	124.3
130	105.1	71.3	132.3

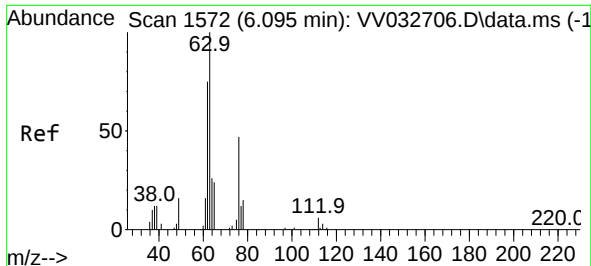


#35
Methylcyclohexane
Concen: 4.623 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 83 Resp: 92374

Ion	Ratio	Lower	Upper
83	100		
55	78.4	59.6	89.4
98	50.9	39.1	58.7





#37

1,2-Dichloropropane

Concen: 5.034 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

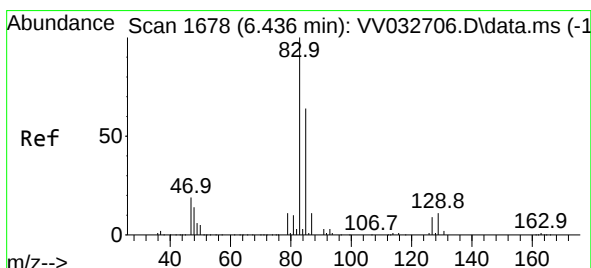
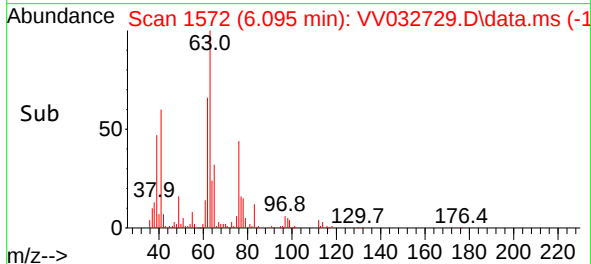
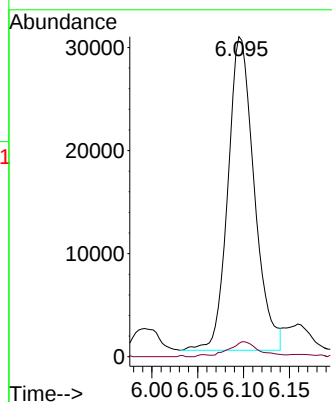
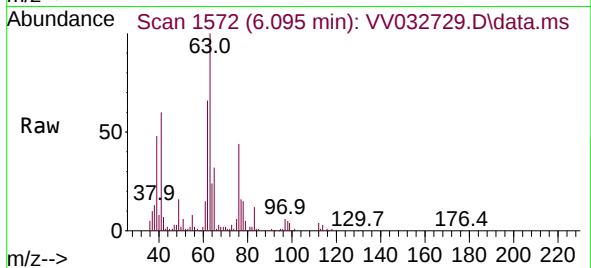
ClientSampleId :

Tgt Ion: 63 Resp: 60793

Ion Ratio Lower Upper

63 100

112 5.3 4.6 7.0



#38

Bromodichloromethane

Concen: 5.297 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

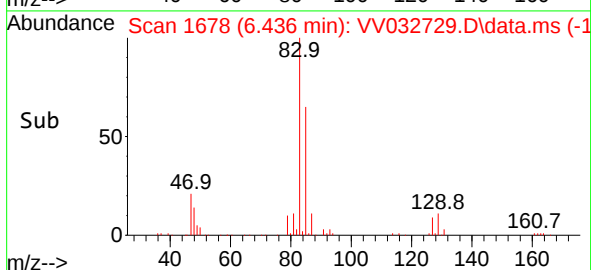
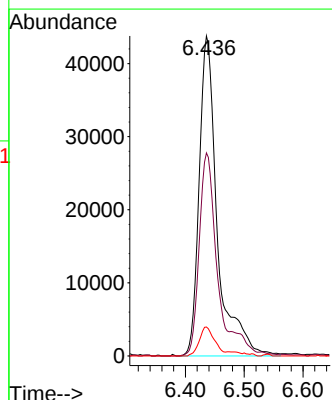
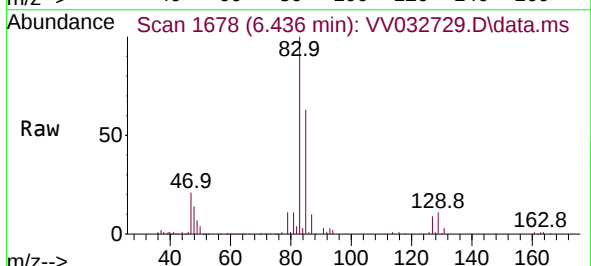
Tgt Ion: 83 Resp: 94519

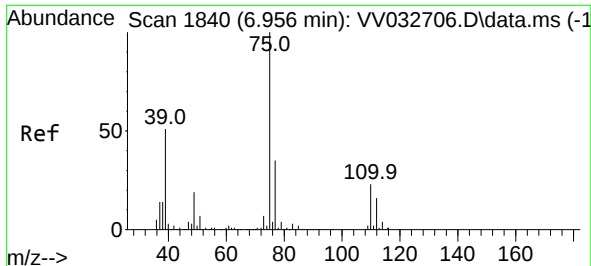
Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.5

127 9.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.775 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

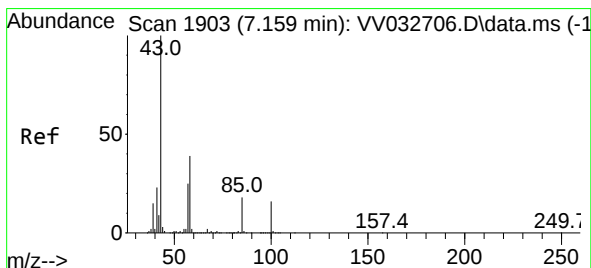
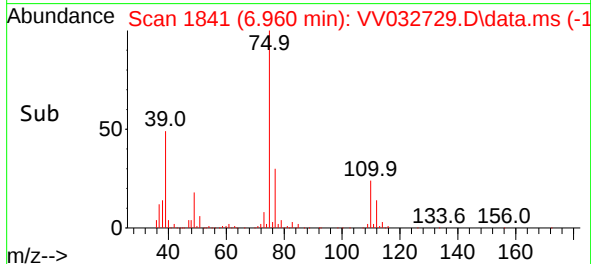
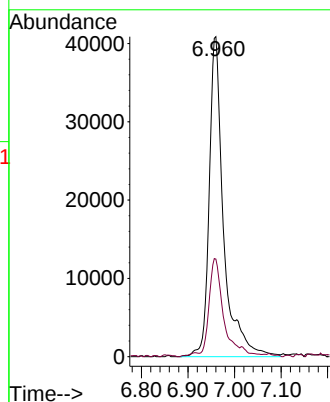
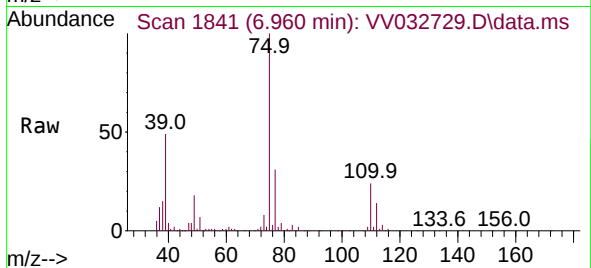
ClientSampleId :

Tgt Ion: 75 Resp: 87800

Ion Ratio Lower Upper

75 100

77 30.5 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 50.565 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

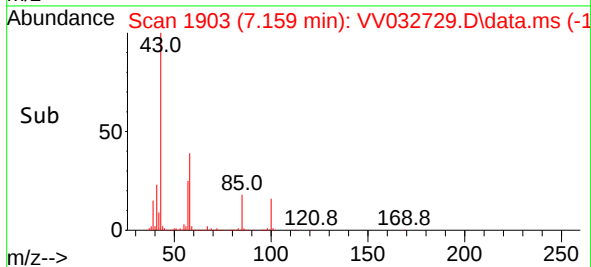
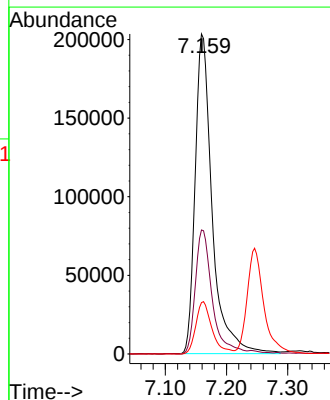
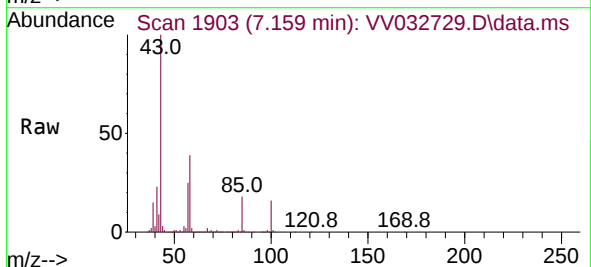
Tgt Ion: 43 Resp: 394060

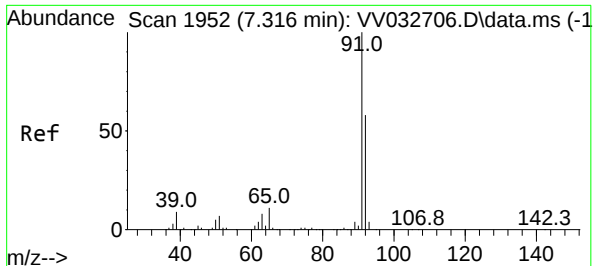
Ion Ratio Lower Upper

43 100

58 38.3 31.3 46.9

100 15.7 12.2 18.4





#42

Toluene

Concen: 5.251 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

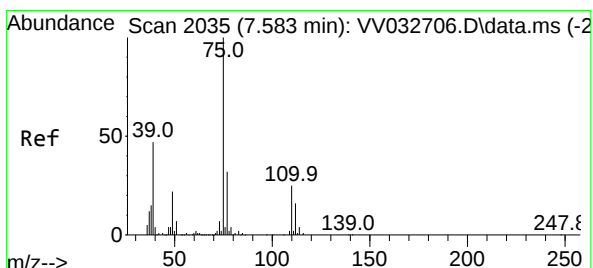
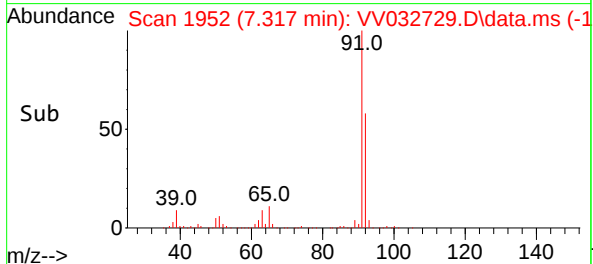
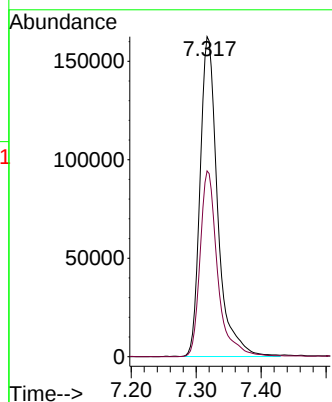
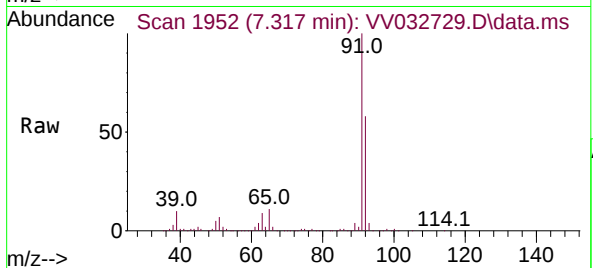
ClientSampleId :

Tgt Ion: 91 Resp: 305377

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.650 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032729.D

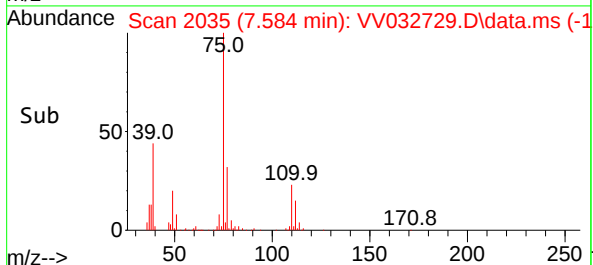
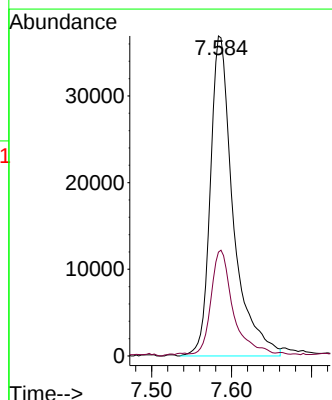
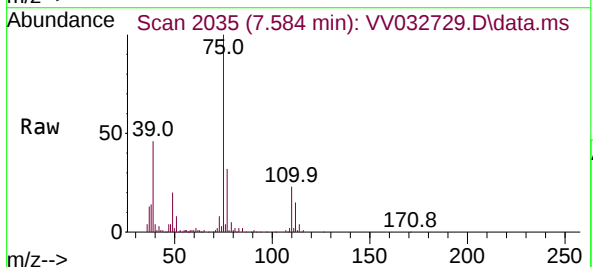
Acq: 28 Oct 2023 09:53

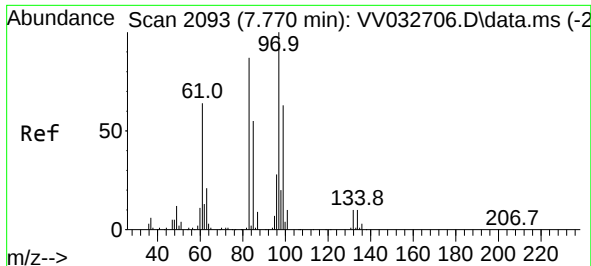
Tgt Ion: 75 Resp: 73582

Ion Ratio Lower Upper

75 100

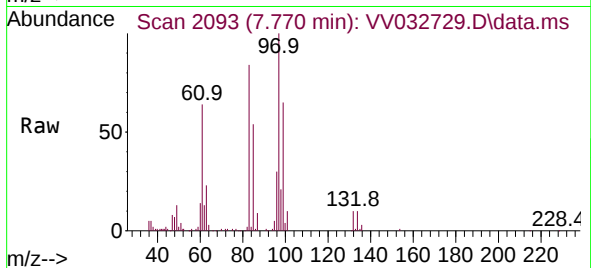
77 32.5 23.4 43.4



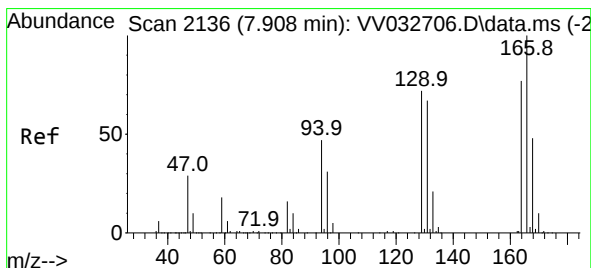
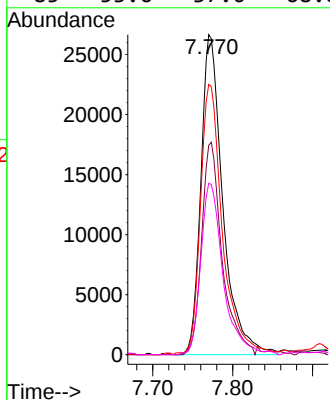
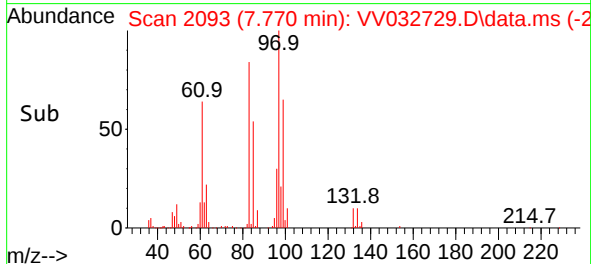


#45
1,1,2-Trichloroethane
Concen: 5.004 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Instrument :
MSVOA_V
ClientSampleId :

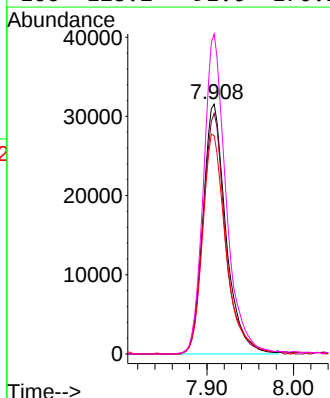
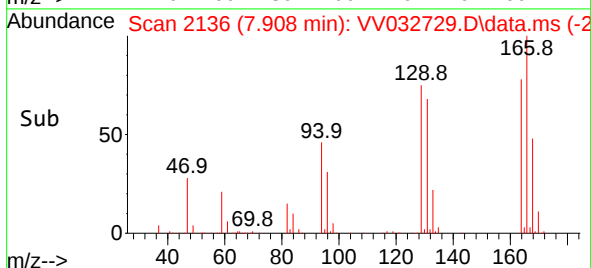
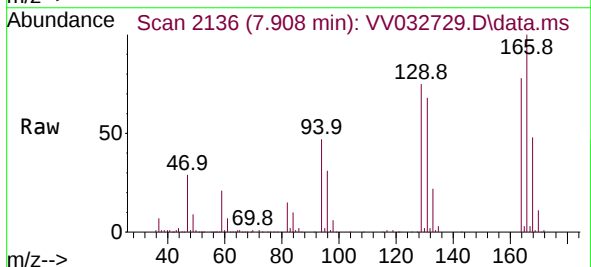


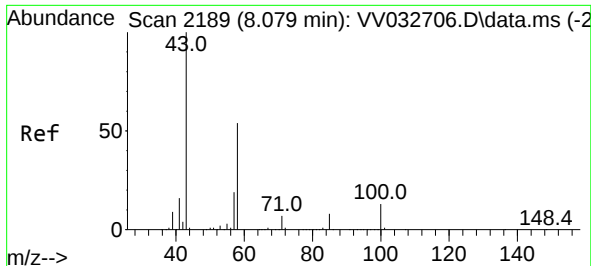
Tgt Ion: 97	Resp: 51040
Ion Ratio	Lower Upper
97 100	
99 65.4	44.0 81.8
83 84.5	59.9 111.3
85 53.6	37.0 68.8



#47
Tetrachloroethene
Concen: 4.894 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt	Ion:164	Resp:	57834
Ion	Ratio	Lower	Upper
164	100		
129	96.3	65.3	121.3
131	87.4	66.6	123.8
166	128.2	91.6	170.2

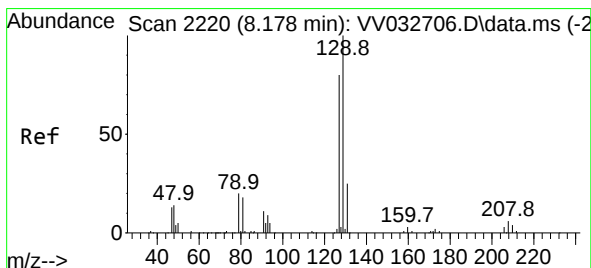
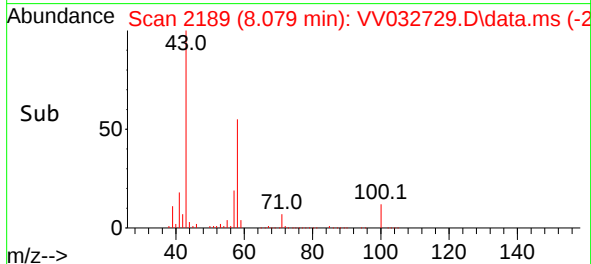
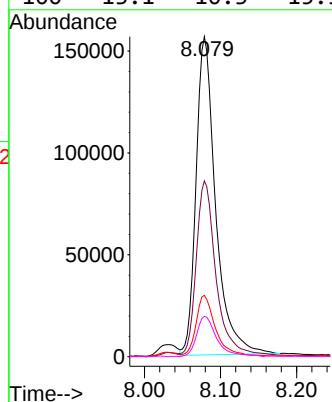
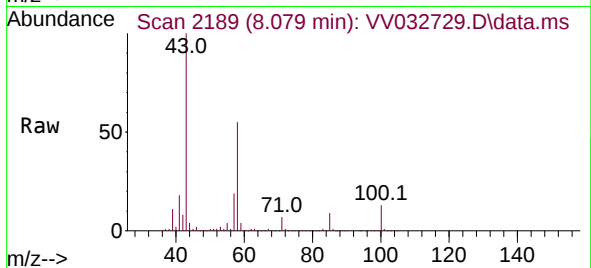




#48
2-Hexanone
Concen: 49.272 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

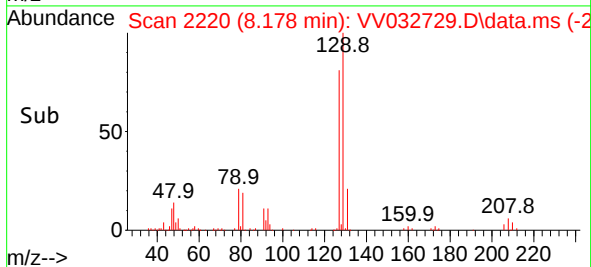
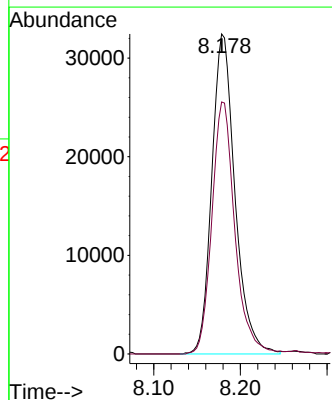
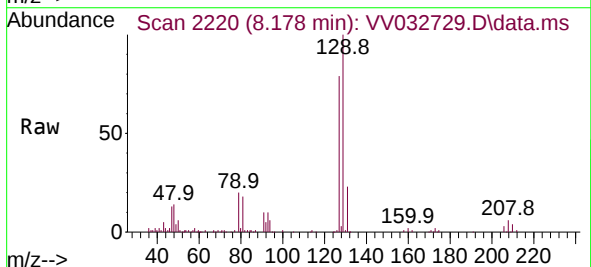
Instrument :
MSVOA_V
ClientSampleId :

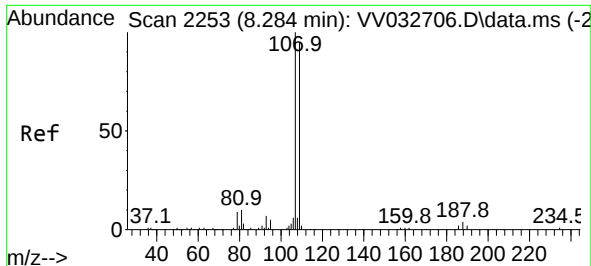
Tgt Ion: 43	Resp: 280848
Ion Ratio	Lower Upper
43 100	
58 55.5	43.8 65.6
57 19.1	15.1 22.7
100 13.1	10.3 15.5



#49
Dibromochloromethane
Concen: 4.985 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion:129	Resp:	60313	
Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.0	100.4





#50

1,2-Dibromoethane

Concen: 5.019 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

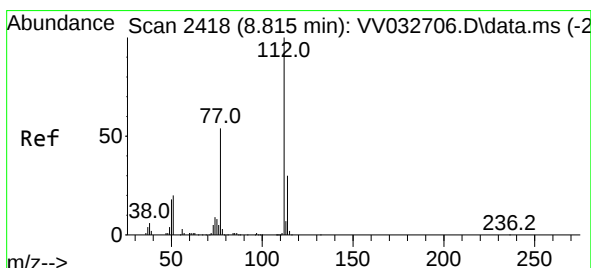
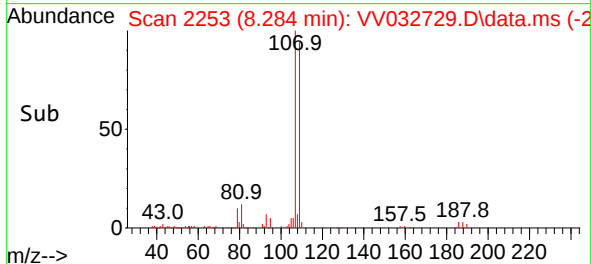
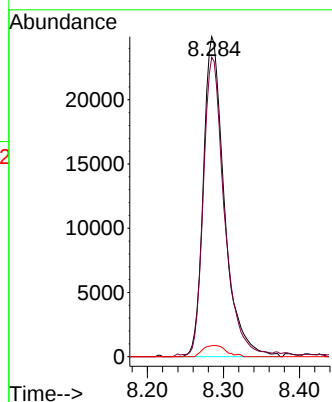
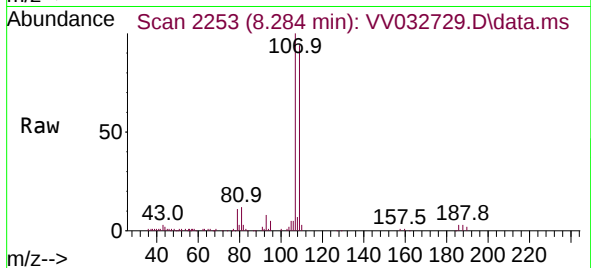
Tgt Ion:107 Resp: 47777

Ion Ratio Lower Upper

107 100

109 93.5 66.4 123.4

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 4.980 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

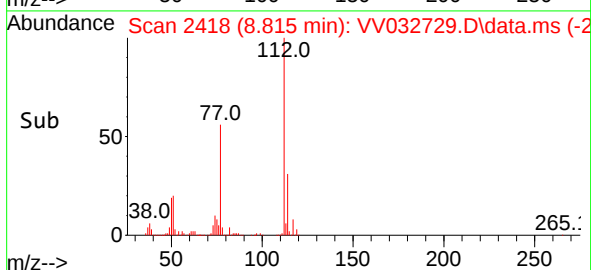
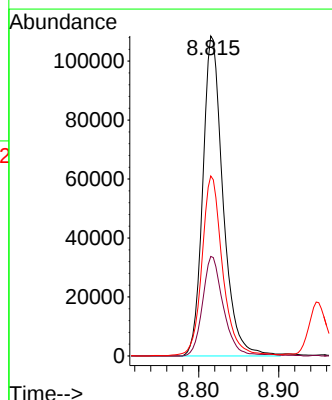
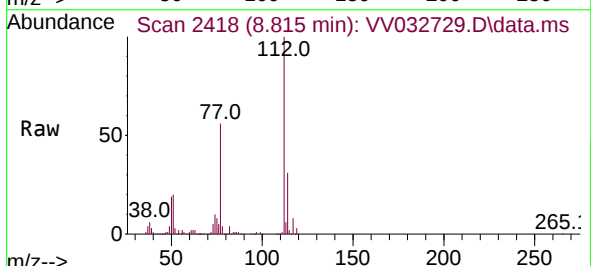
Tgt Ion:112 Resp: 191342

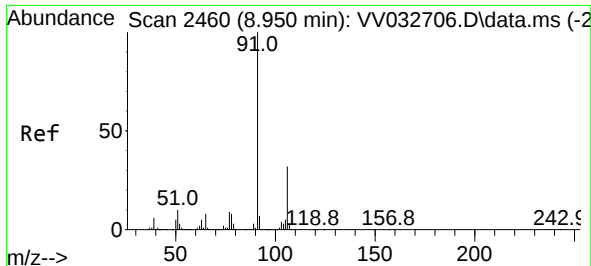
Ion Ratio Lower Upper

112 100

114 31.1 22.7 42.3

77 56.3 45.7 68.5





#52

Ethylbenzene

Concen: 5.096 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

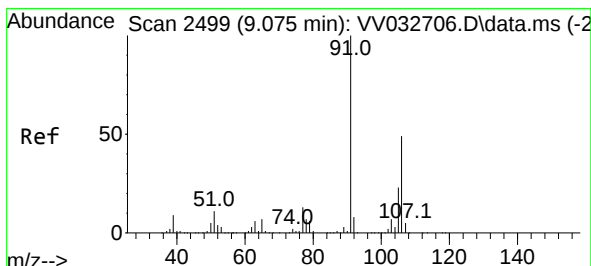
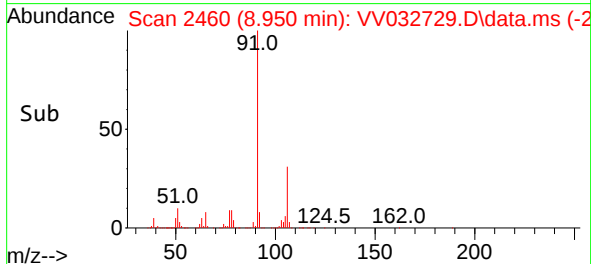
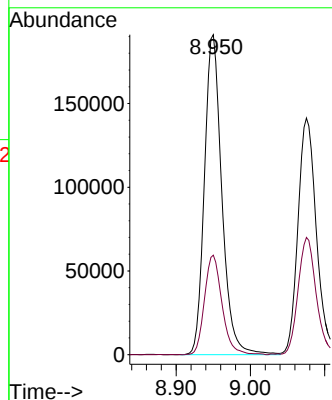
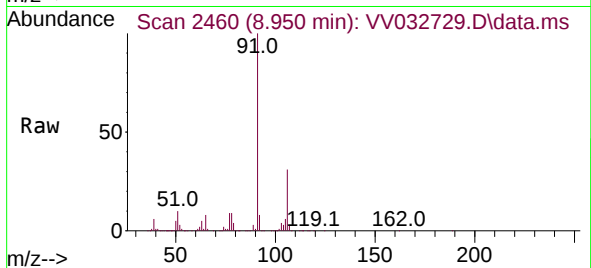
ClientSampleId :

Tgt Ion: 91 Resp: 311554

Ion Ratio Lower Upper

91 100

106 31.1 20.9 38.9



#53

m,p-Xylene

Concen: 5.214 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032729.D

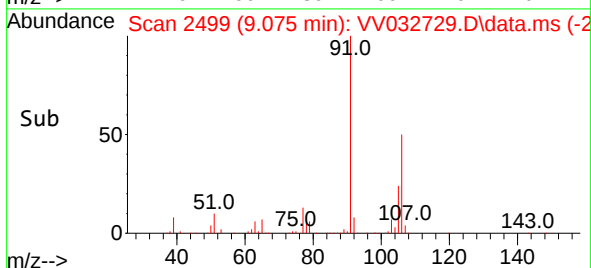
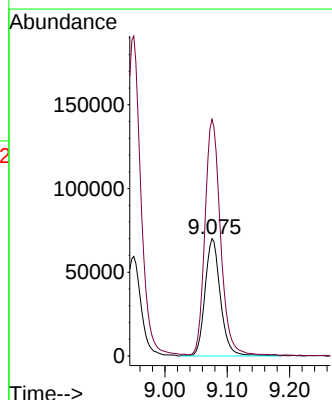
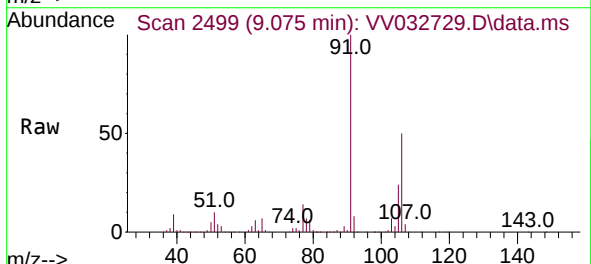
Acq: 28 Oct 2023 09:53

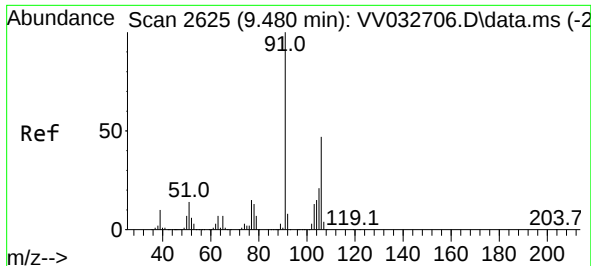
Tgt Ion: 106 Resp: 120711

Ion Ratio Lower Upper

106 100

91 201.7 139.3 258.7

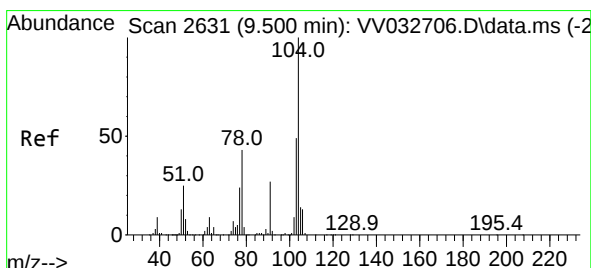
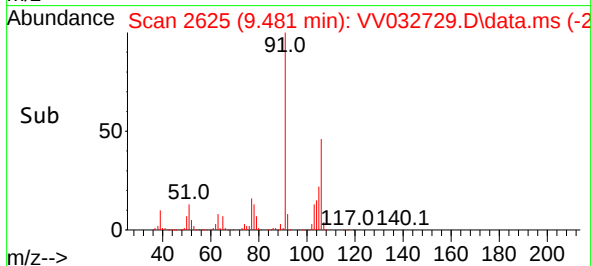
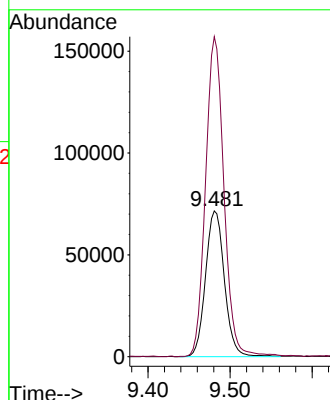
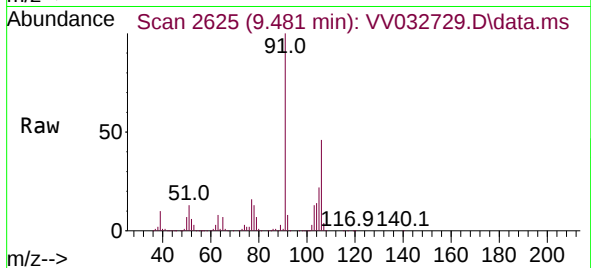




#54
o-Xylene
Concen: 5.115 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

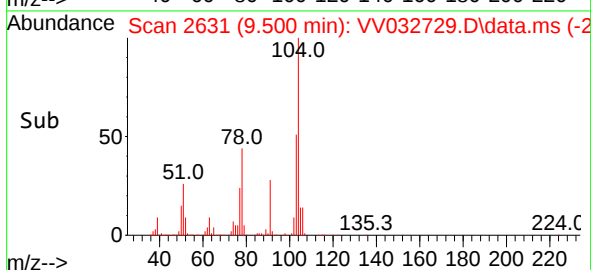
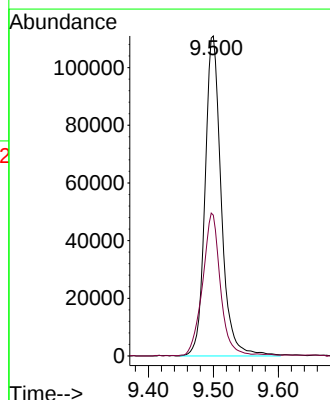
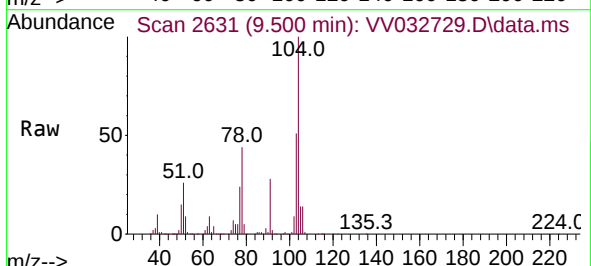
Instrument :
MSVOA_V
ClientSampleId :

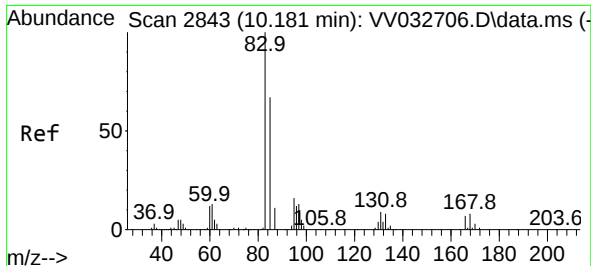
Tgt Ion:106 Resp: 114860
Ion Ratio Lower Upper
106 100
91 219.5 147.4 273.8



#55
Styrene
Concen: 5.183 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion:104 Resp: 192802
Ion Ratio Lower Upper
104 100
78 44.0 30.5 56.7

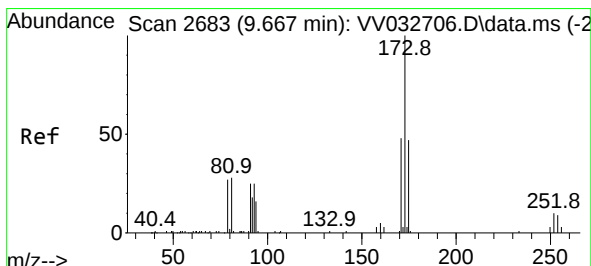
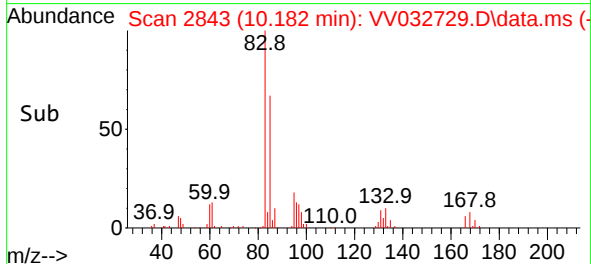
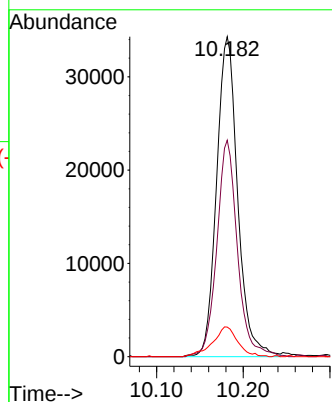
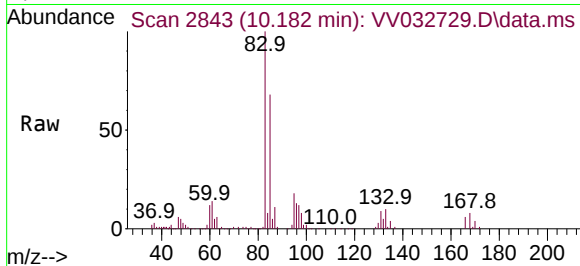




#57
1,1,2,2-Tetrachloroethane
Concen: 4.883 ug/L
RT: 10.182 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

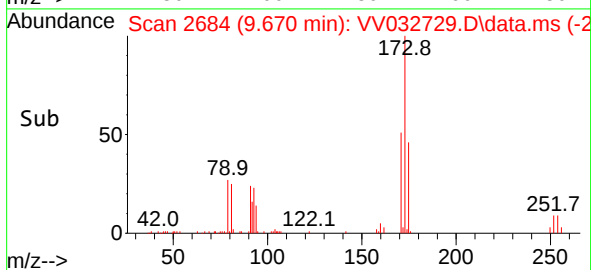
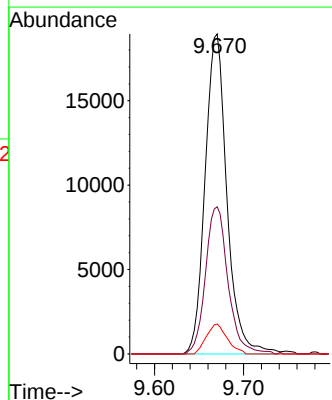
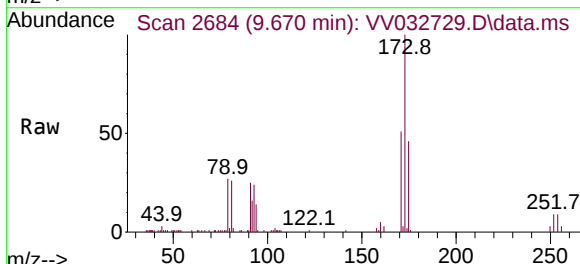
Instrument :
MSVOA_V
ClientSampleId :

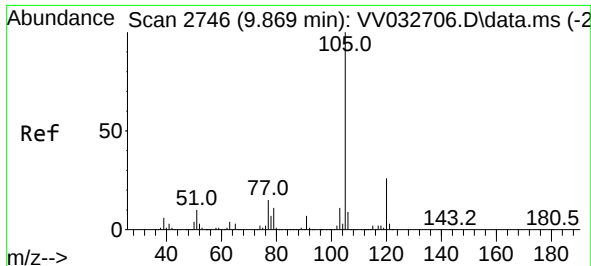
Tgt Ion: 83 Resp: 58096
Ion Ratio Lower Upper
83 100
85 67.6 44.0 81.8
131 9.2 7.8 11.8



#59
Bromoform
Concen: 4.794 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.003 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 173 Resp: 32205
Ion Ratio Lower Upper
173 100
175 47.5 38.4 57.6
254 8.9 6.9 10.3

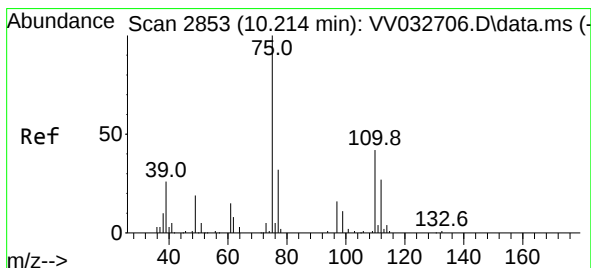
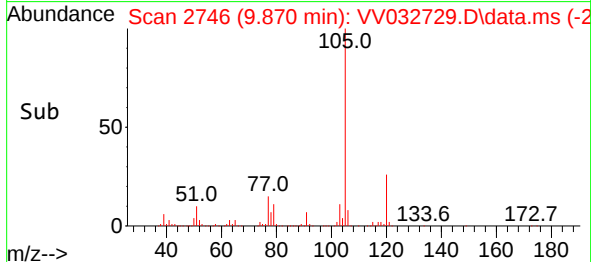
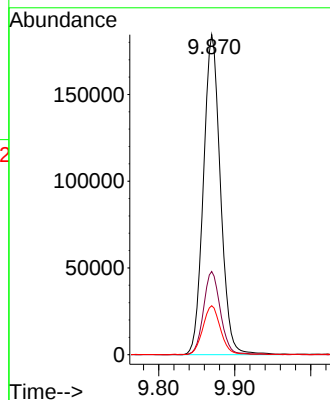
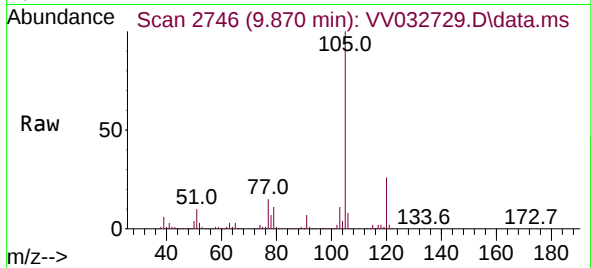




#60
Isopropylbenzene
Concen: 4.934 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

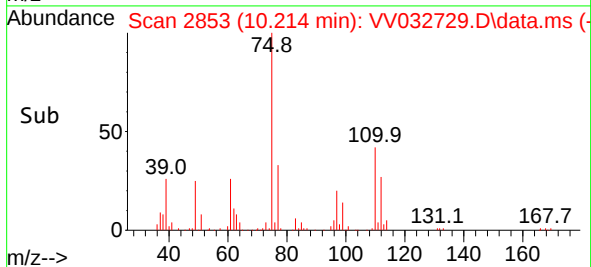
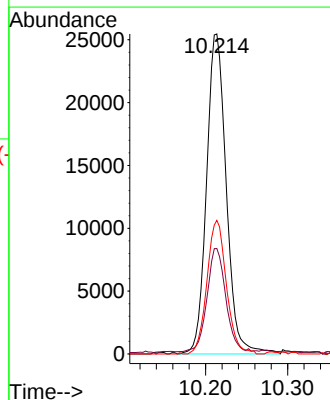
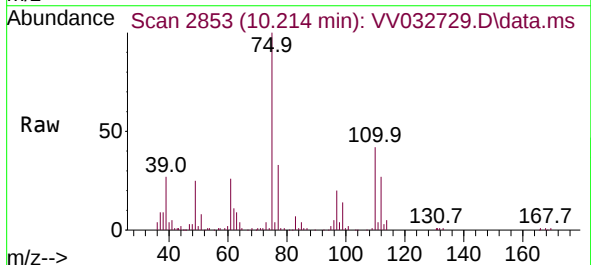
Instrument :
MSVOA_V
ClientSampleId :

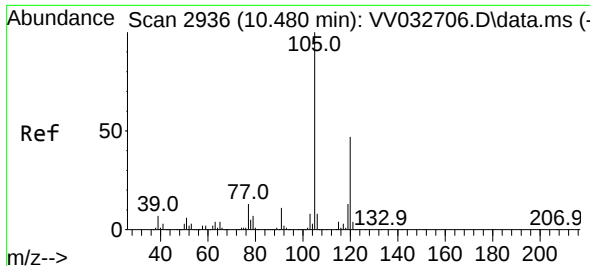
Tgt Ion:105 Resp: 286716
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.704 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032729.D
Acq: 28 Oct 2023 09:53

Tgt Ion: 75 Resp: 42593
Ion Ratio Lower Upper
75 100
77 30.4 24.5 36.7
110 41.1 32.3 48.5

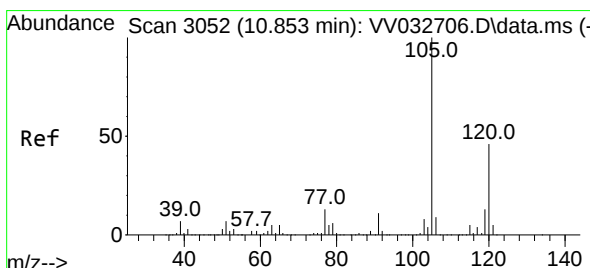
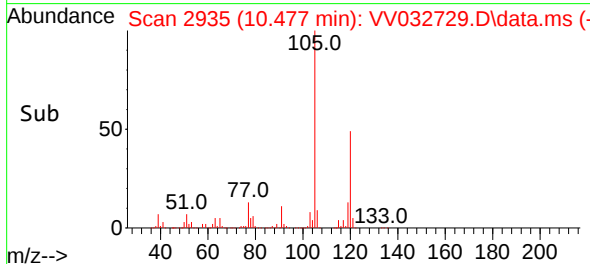
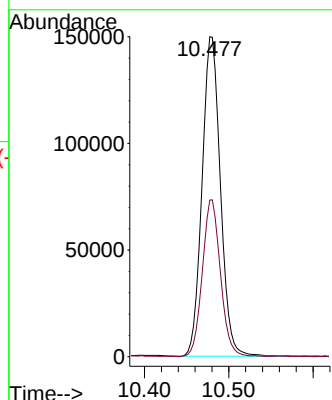
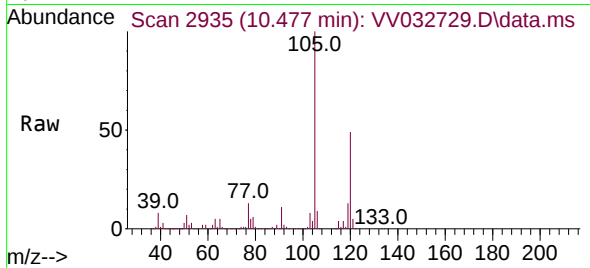




#62
 1,3,5-Trimethylbenzene
 Concen: 4.795 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.003 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

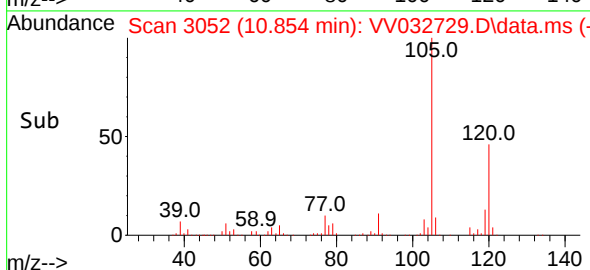
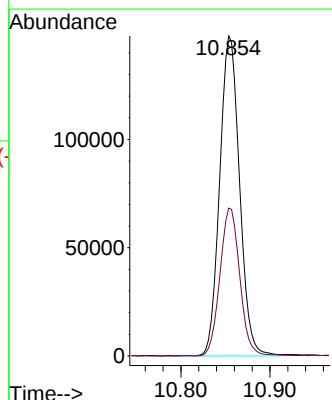
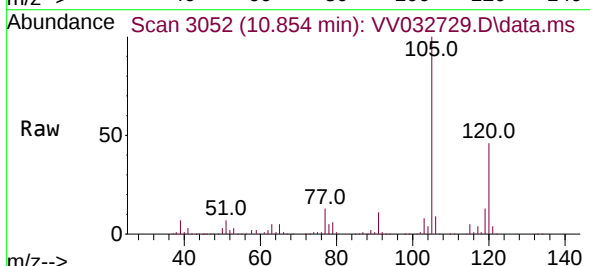
Instrument :
 MSVOA_V
 ClientSampleId :

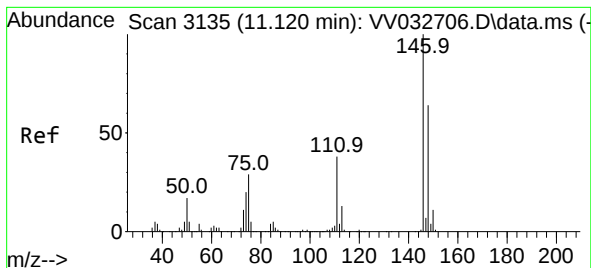
Tgt Ion:105 Resp: 227769
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.882 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032729.D
 Acq: 28 Oct 2023 09:53

Tgt Ion:105 Resp: 229153
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 4.926 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

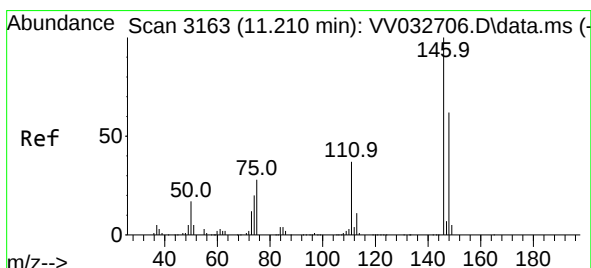
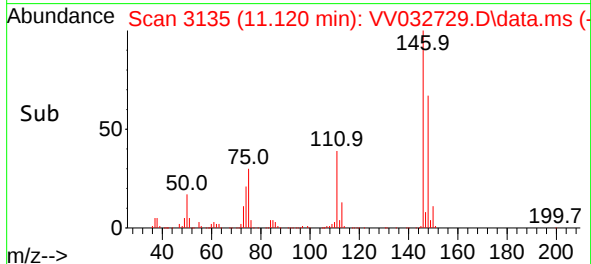
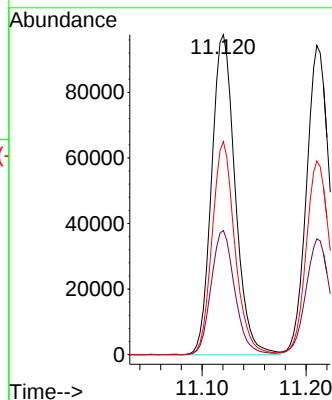
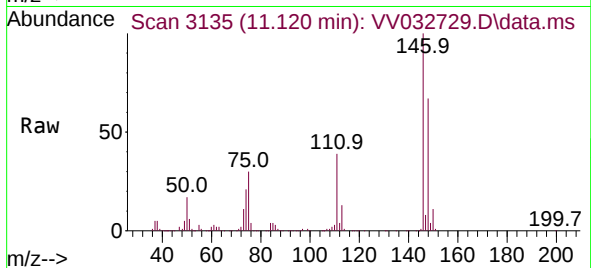
Tgt Ion:146 Resp: 153583

Ion Ratio Lower Upper

146 100

111 38.8 26.8 49.8

148 66.6 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 4.880 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

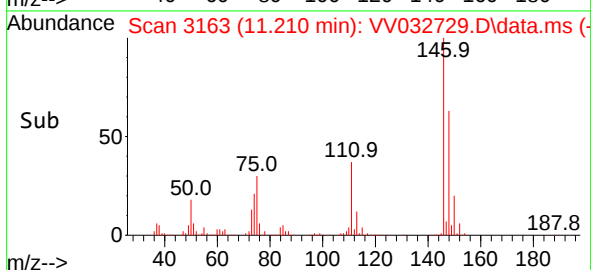
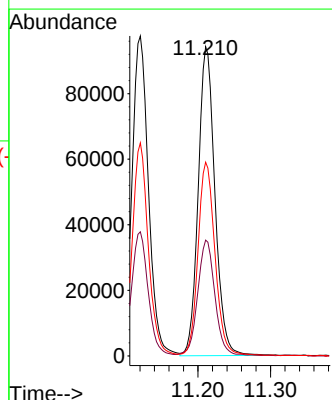
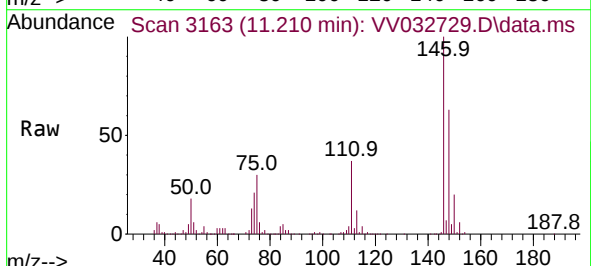
Tgt Ion:146 Resp: 151052

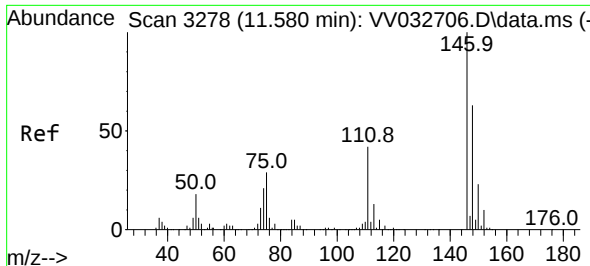
Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.8

148 62.6 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 4.991 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

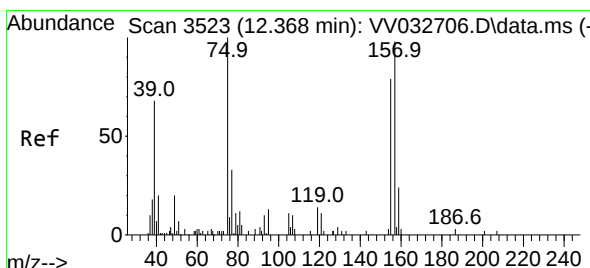
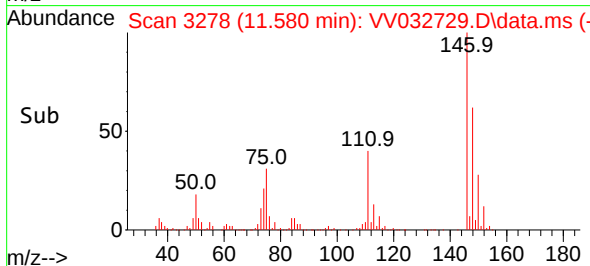
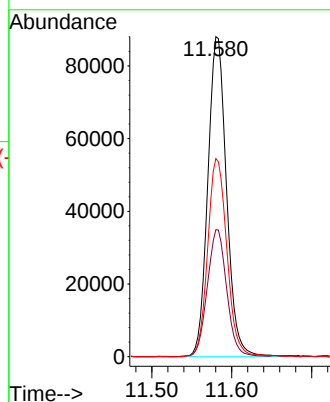
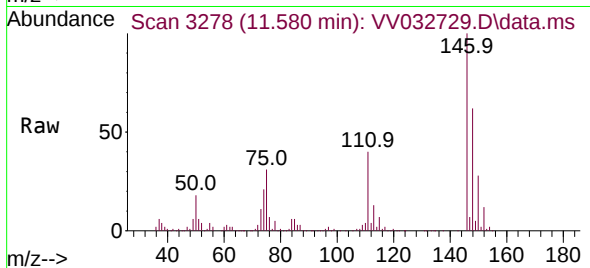
Tgt Ion:146 Resp: 143117

Ion Ratio Lower Upper

146 100

111 39.7 34.2 51.4

148 61.9 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.108 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

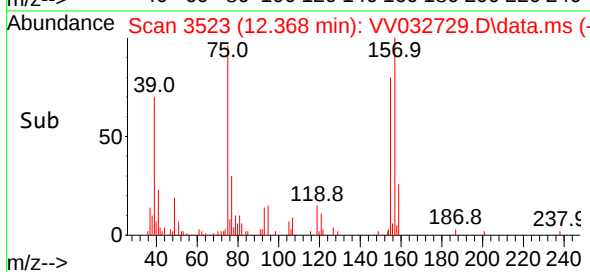
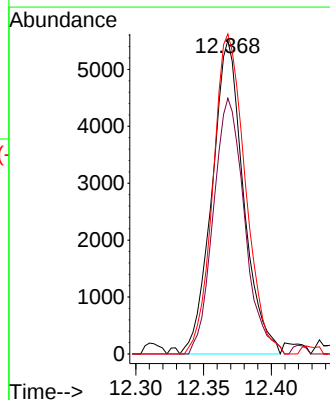
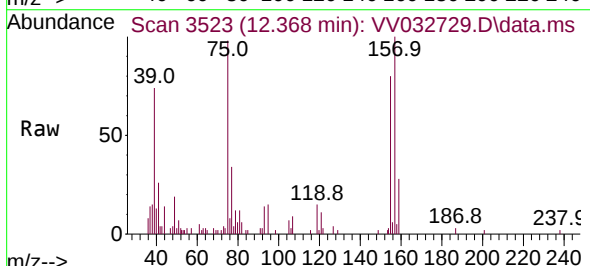
Tgt Ion: 75 Resp: 8891

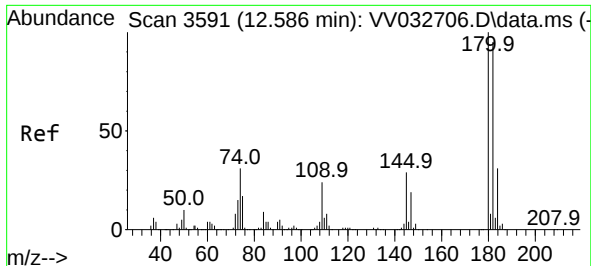
Ion Ratio Lower Upper

75 100

155 81.5 70.1 105.1

157 102.0 90.2 135.2





#69

1,3,5-Trichlorobenzene

Concen: 4.689 ug/L

RT: 12.583 min Scan# 3591

Delta R.T. -0.003 min

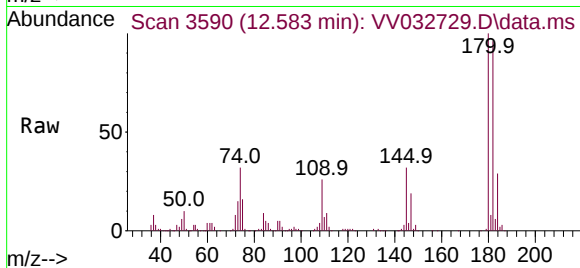
Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 104352

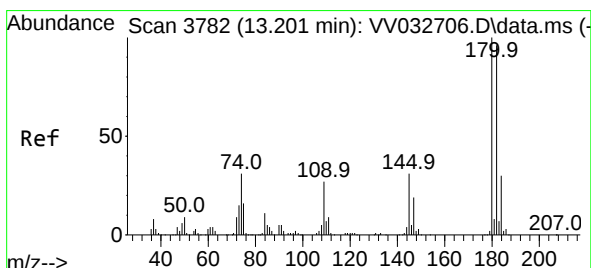
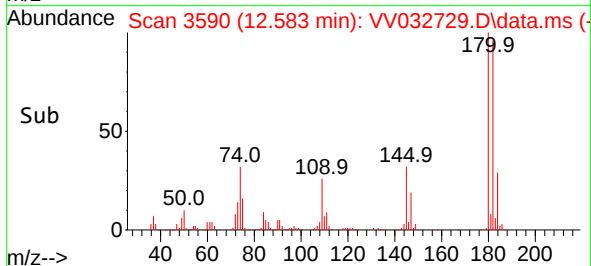
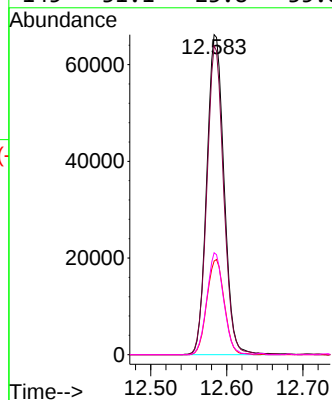
Ion Ratio Lower Upper

180 100

182 93.9 76.6 115.0

184 30.1 24.3 36.5

145 31.1 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 4.702 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

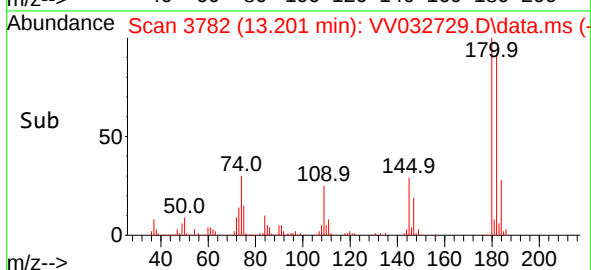
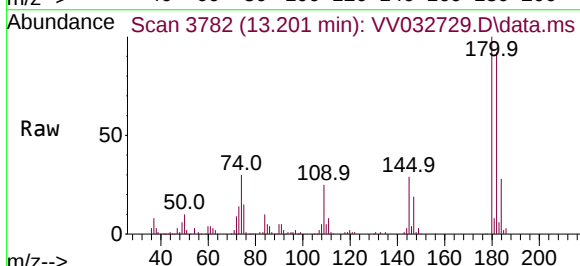
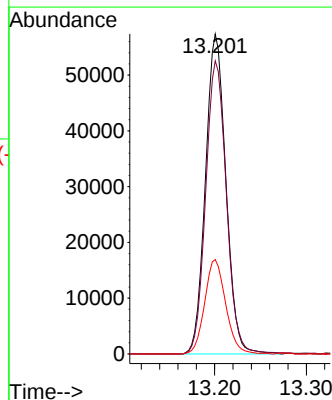
Tgt Ion:180 Resp: 88804

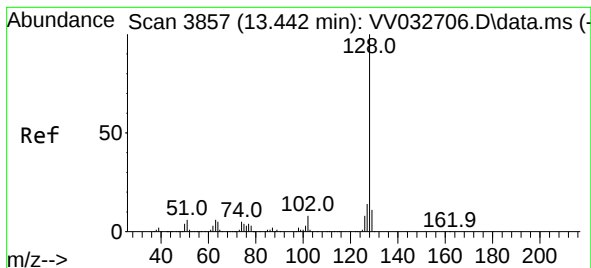
Ion Ratio Lower Upper

180 100

182 92.8 75.7 113.5

145 30.4 25.0 37.4





#71

Naphthalene

Concen: 4.514 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Instrument :

MSVOA_V

ClientSampleId :

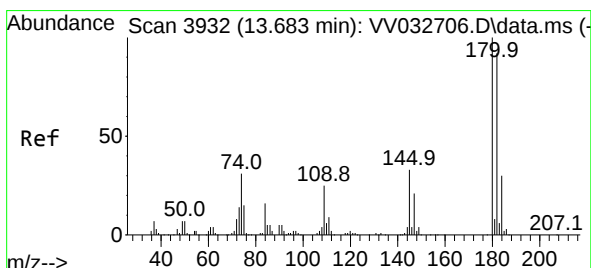
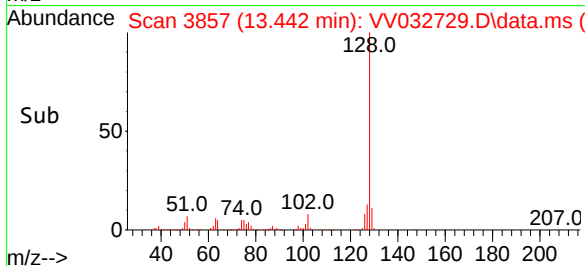
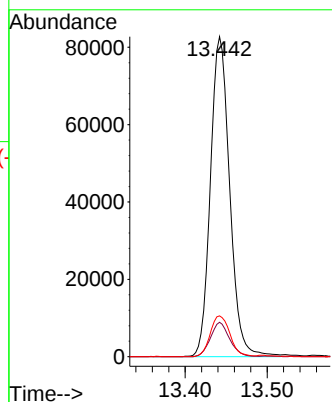
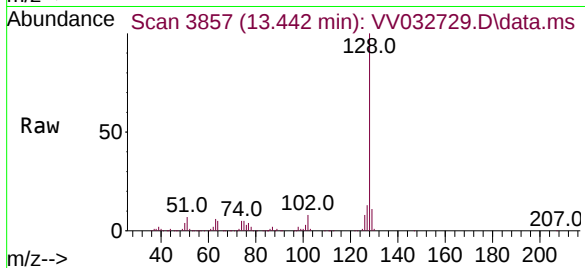
Tgt Ion:128 Resp: 135084

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.1 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.802 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032729.D

Acq: 28 Oct 2023 09:53

Tgt Ion:180 Resp: 79741

Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

145 32.5 26.4 39.6

