

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101723\
 Data File : VW032437.D
 Acq On : 17 Oct 2023 10:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 05:58:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 12 22:36:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	102436	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	109321	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	59289	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	34177	4.102	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.000%
7) Chloroethane-d5	1.532	69	30746	4.546	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.059	65	13821	3.934	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	3.802	46	96193	45.644	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.280%
24) Chloroform-d	4.249	84	69937	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	4.947	65	32849	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	4.963	84	124033	3.856	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
36) 1,2-Dichloropropane-d6	5.992	67	39532	3.709	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.200%
41) Toluene-d8	7.246	98	118831	4.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
43) trans-1,3-Dichloroprop...	7.558	79	15542	4.115	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.027	63	79750	44.881	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.760%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	34566	4.637	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	44565	4.051	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	70117	6.143	ug/L	98
3) Chloromethane	1.217	50	68371	5.941	ug/L	100
5) Vinyl chloride	1.281	62	68431	6.235	ug/L	97
6) Bromomethane	1.487	94	38408	5.793	ug/L	96
8) Chloroethane	1.548	64	42198	6.386	ug/L	99
9) Trichlorofluoromethane	1.712	101	83313	6.330	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	53240	6.676	ug/L	99
12) 1,1-Dichloroethene	2.069	96	46535	6.194	ug/L	86
13) Acetone	2.127	43	101985	62.786	ug/L	96
14) Carbon disulfide	2.243	76	141435	5.385	ug/L	99
15) Methyl Acetate	2.381	43	20437	5.589	ug/L	95
16) Methylene chloride	2.449	84	53817	5.495	ug/L	95
17) Methyl tert-butyl Ether	2.706	73	110120	5.384	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	49252	5.724	ug/L	99
19) 1,1-Dichloroethane	3.114	63	97070	5.997	ug/L	97
21) 2-Butanone	3.879	43	136382	53.691	ug/L	100
22) cis-1,2-Dichloroethene	3.818	96	53590	5.784	ug/L	94
23) Bromochloromethane	4.149	128	22534	5.781	ug/L	92
25) Chloroform	4.278	83	97619	6.146	ug/L	100

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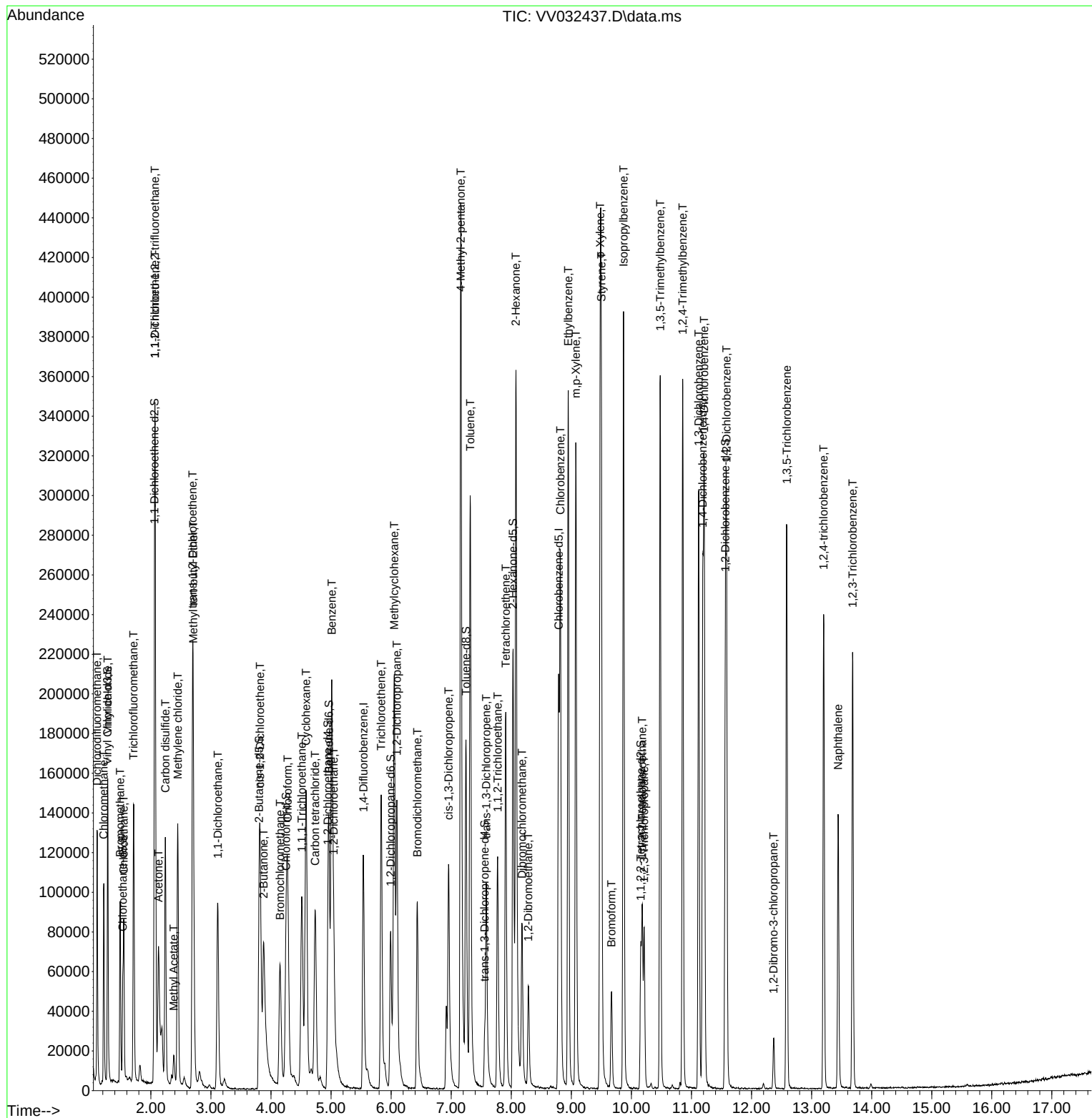
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	54966	5.858	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	81380	5.475	ug/L	99
30) Cyclohexane	4.583	56	79110	4.843	ug/L	95
31) Carbon tetrachloride	4.735	117	68767	5.468	ug/L	100
33) Benzene	5.011	78	204499	5.313	ug/L	100
34) Trichloroethene	5.834	95	54536	5.190	ug/L	97
35) Methylcyclohexane	6.053	83	86514	5.321	ug/L	99
37) 1,2-Dichloropropane	6.095	63	59404	5.771	ug/L	100
38) Bromodichloromethane	6.435	83	70682	5.779	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	76644	5.232	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	336899	51.720	ug/L	99
42) Toluene	7.316	91	228875	5.578	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	61357	5.097	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	39405	5.427	ug/L	97
47) Tetrachloroethene	7.908	164	42596	5.346	ug/L	99
48) 2-Hexanone	8.079	43	252506	54.942	ug/L	98
49) Dibromochloromethane	8.178	129	42813	5.663	ug/L	96
50) 1,2-Dibromoethane	8.284	107	36942	5.379	ug/L #	92
51) Chlorobenzene	8.818	112	144544	5.472	ug/L	99
52) Ethylbenzene	8.950	91	246232	5.389	ug/L	99
53) m,p-Xylene	9.075	106	90614	5.348	ug/L	99
54) o-Xylene	9.480	106	88919	5.446	ug/L	97
55) Styrene	9.500	104	157759	5.721	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	44053	5.514	ug/L	96
59) Bromoform	9.667	173	22498	5.218	ug/L	98
60) Isopropylbenzene	9.869	105	244377	5.304	ug/L	99
61) 1,2,3-Trichloropropane	10.213	75	31779	5.036	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	190986	5.086	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	190019	5.082	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	117665	5.345	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	119287	5.402	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	107836	5.371	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	5974	4.633	ug/L	94
69) 1,3,5-Trichlorobenzene	12.586	180	85249	5.288	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	71395	4.993	ug/L	98
71) Naphthalene	13.442	128	108370	4.461	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	63491	5.153	ug/L	99

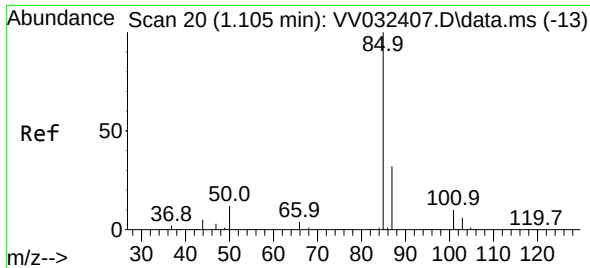
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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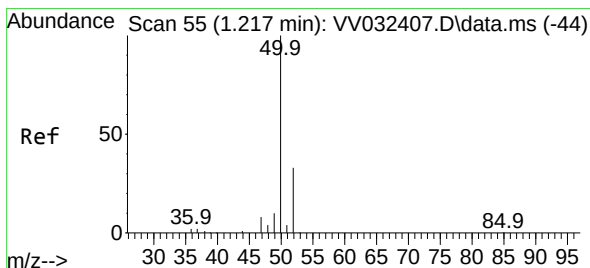
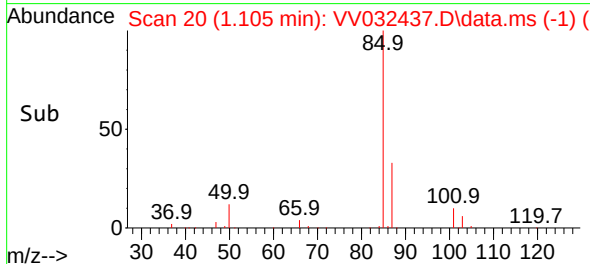
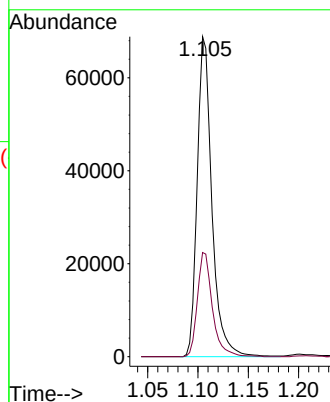
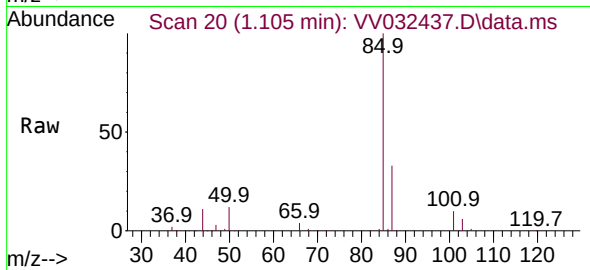




#2
 Dichlorodifluoromethane
 Concen: 6.143 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

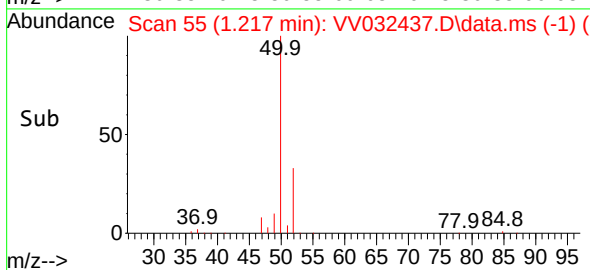
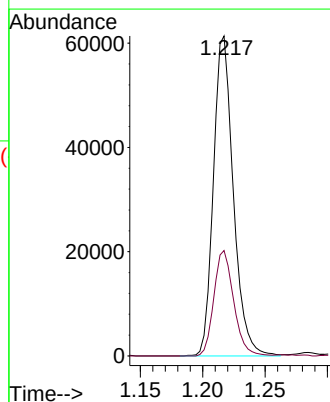
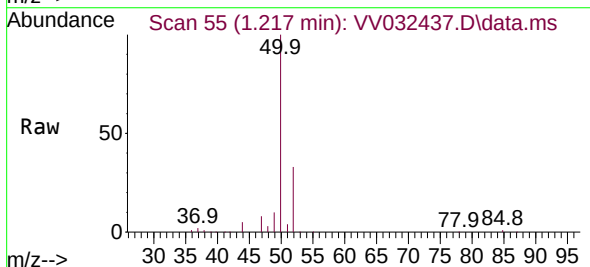
Instrument :
 MSVOA_V
 ClientSampleId :

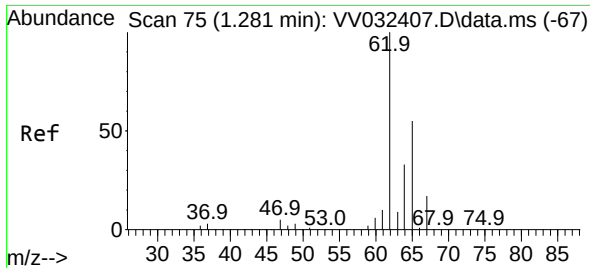
Tgt Ion: 85 Resp: 70117
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.5 38.3



#3
 Chloromethane
 Concen: 5.941 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

Tgt Ion: 50 Resp: 68371
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.6





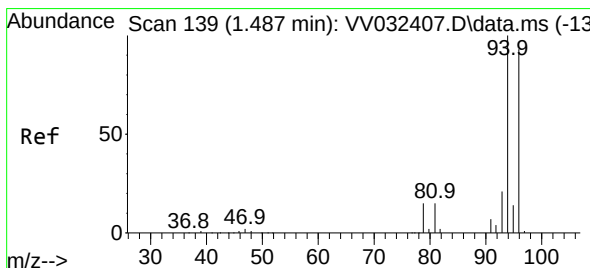
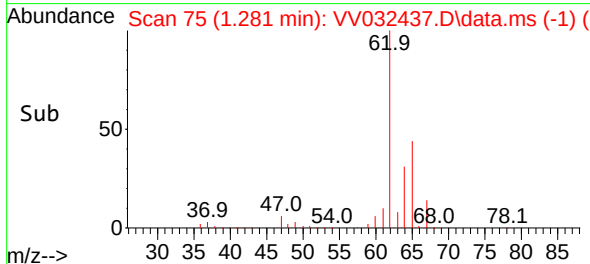
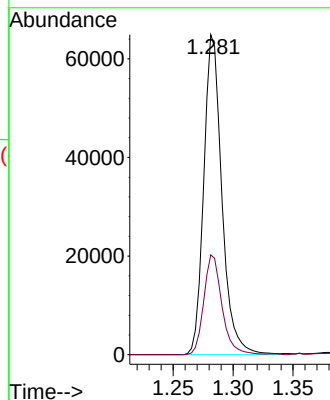
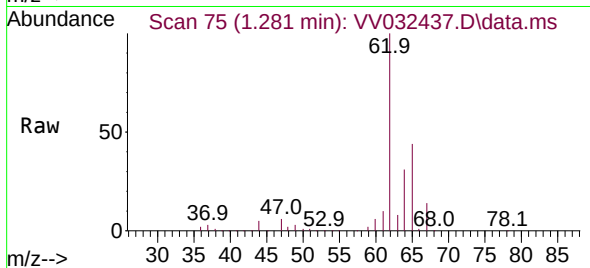
#5
 Vinyl chloride
 Concen: 6.235 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

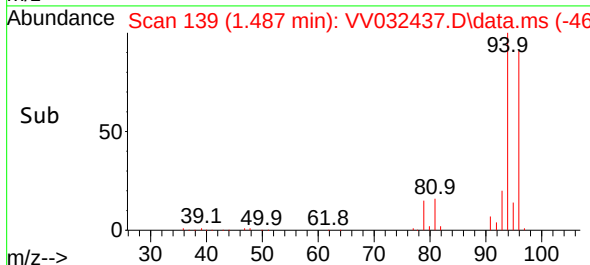
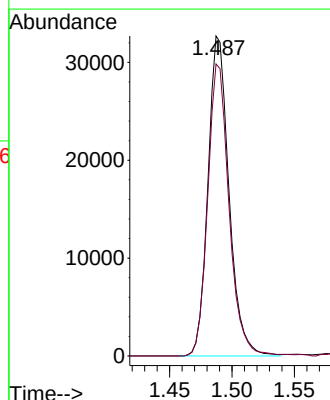
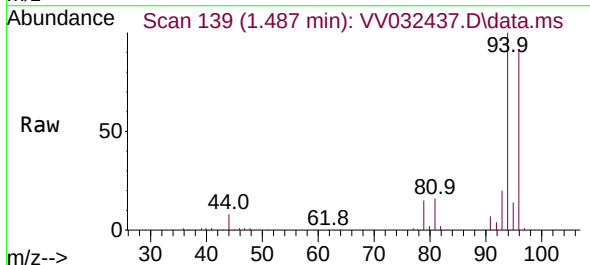
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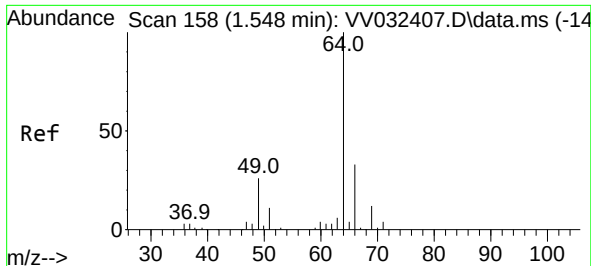
Tgt Ion: 62 Resp: 68431
 Ion Ratio Lower Upper
 62 100
 64 31.2 23.1 42.9



#6
 Bromomethane
 Concen: 5.793 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

Tgt Ion: 94 Resp: 38408
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.8 124.2

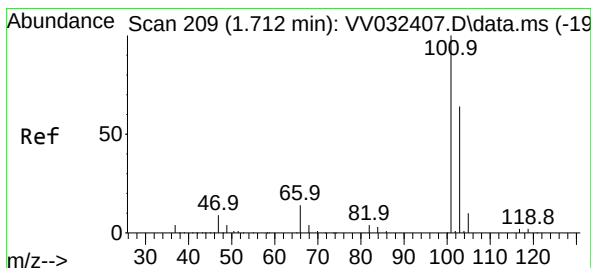
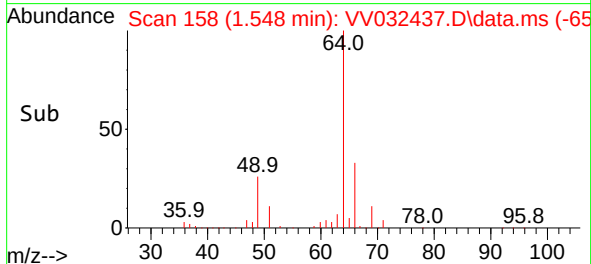
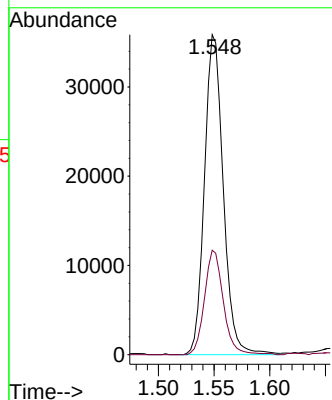
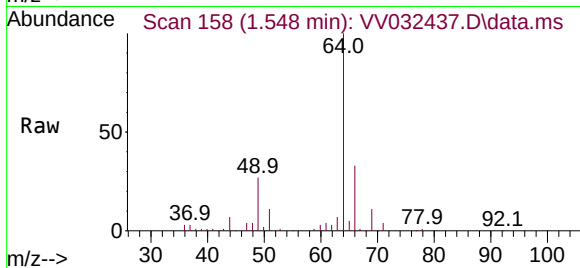




#8
Chloroethane
Concen: 6.386 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

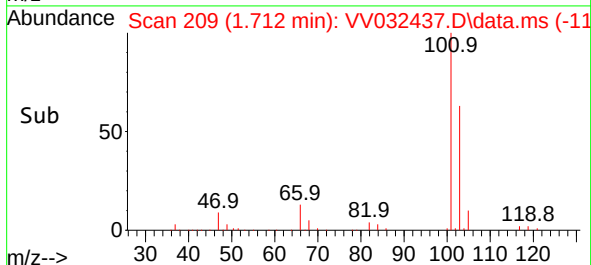
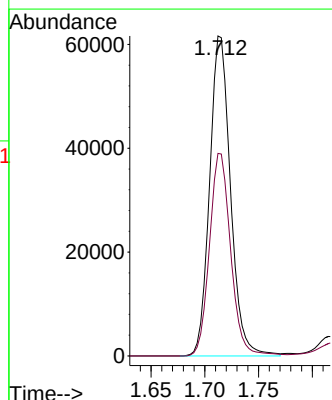
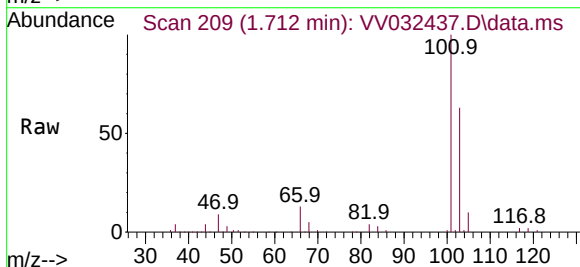
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MSVOA_V
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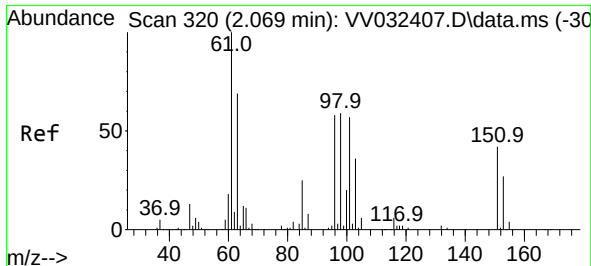
Tgt Ion: 64 Resp: 42198
Ion Ratio Lower Upper
64 100
66 32.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 6.330 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion:101 Resp: 83313
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 6.676 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032437.D

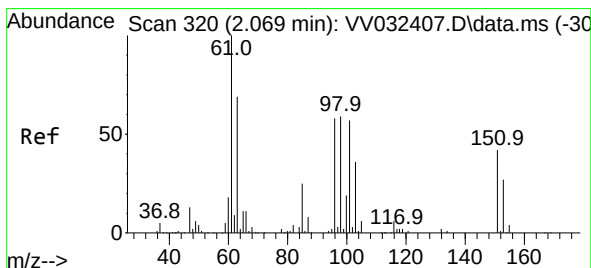
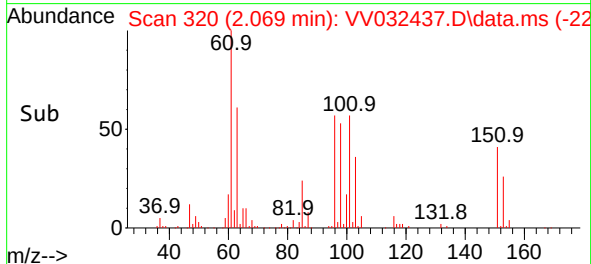
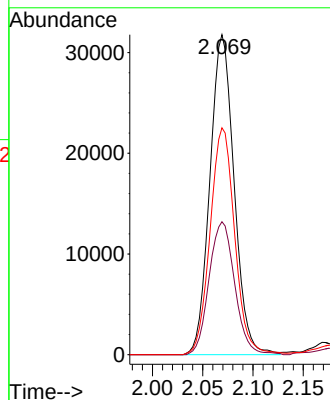
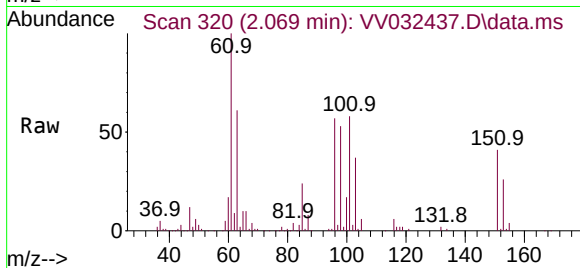
Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

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Tgt Ion:	101	Resp:	53240
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.0	52.6
151	72.0	56.6	84.8



#12

1,1-Dichloroethene

Concen: 6.194 ug/L

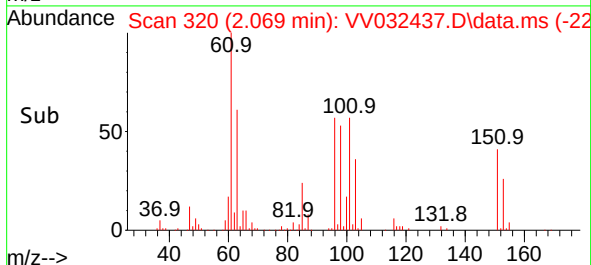
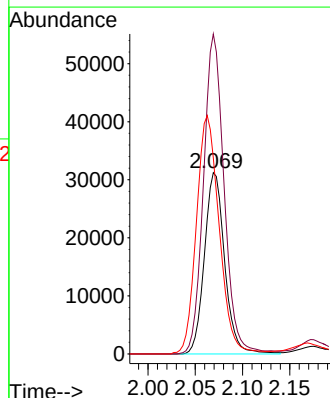
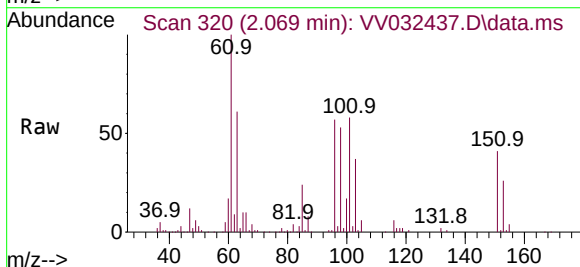
RT: 2.069 min Scan# 320

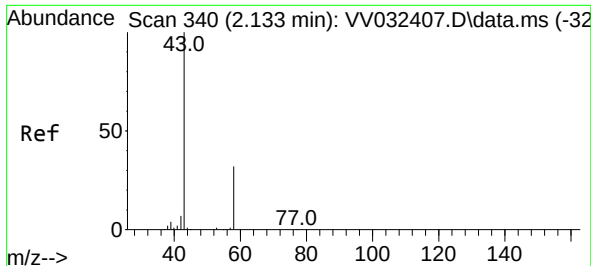
Delta R.T. -0.000 min

Lab File: VV032437.D

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Tgt Ion:	96	Resp:	46535
Ion	Ratio	Lower	Upper
96	100		
61	176.5	127.3	236.3
63	108.1	98.3	182.7





#13

Acetone

Concen: 62.786 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.006 min

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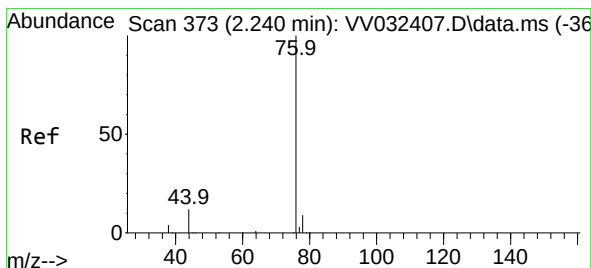
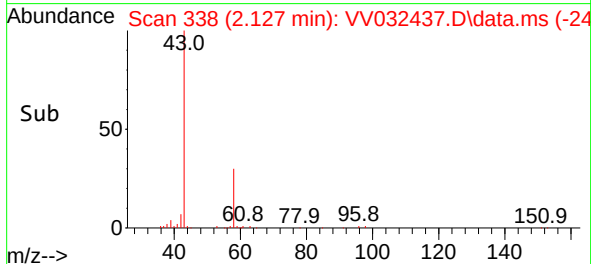
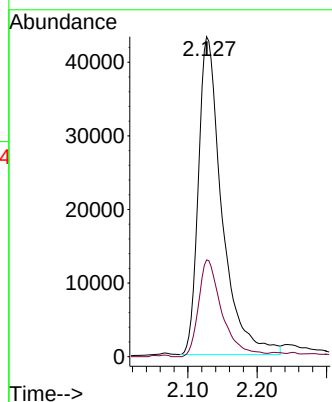
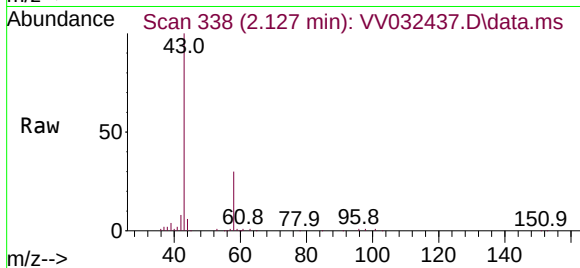
ClientSampleId :

Tgt Ion: 43 Resp: 101985

Ion Ratio Lower Upper

43 100

58 30.5 0.0 66.0



#14

Carbon disulfide

Concen: 5.385 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

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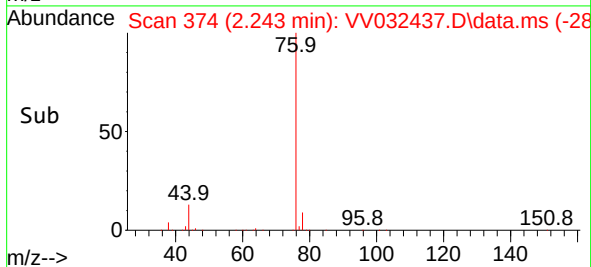
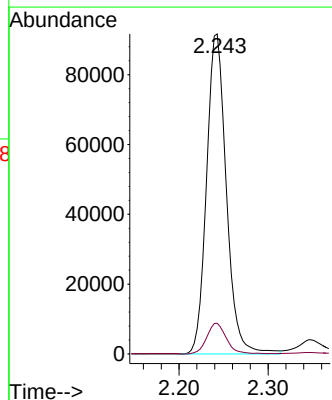
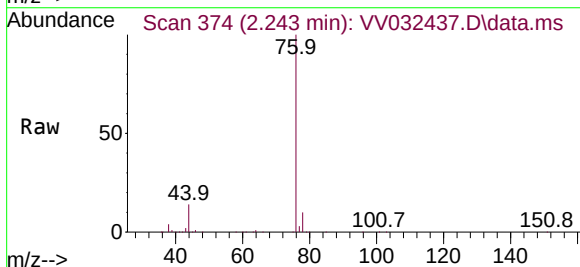
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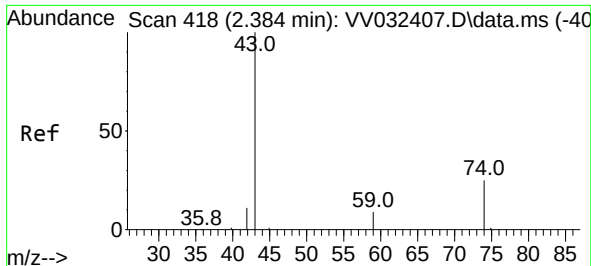
Tgt Ion: 76 Resp: 141435

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

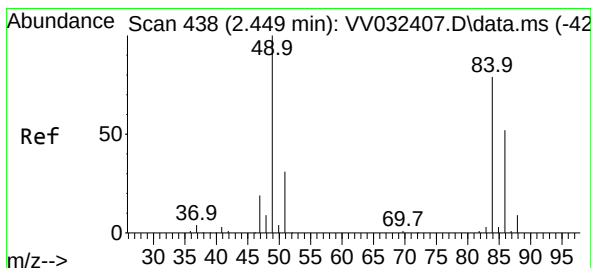
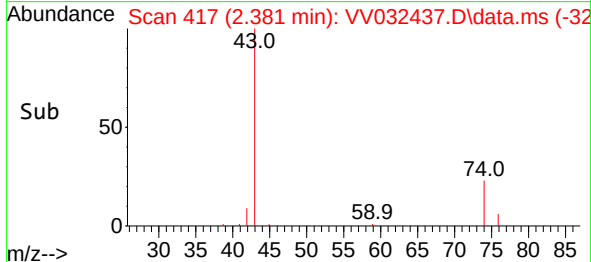
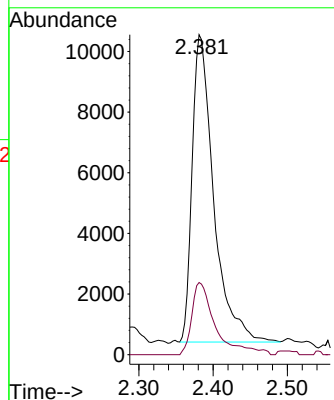
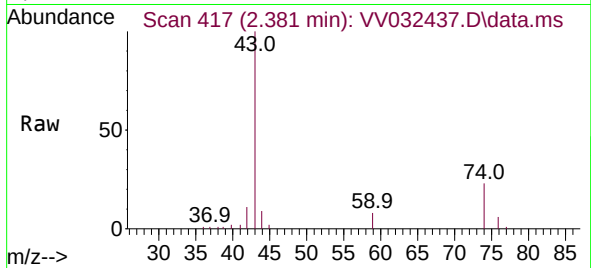




#15
Methyl Acetate
Concen: 5.589 ug/L
RT: 2.381 min Scan# 418
Delta R.T. -0.003 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

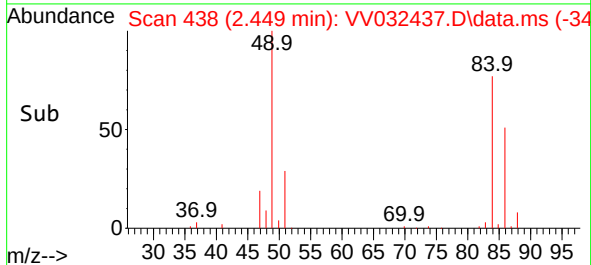
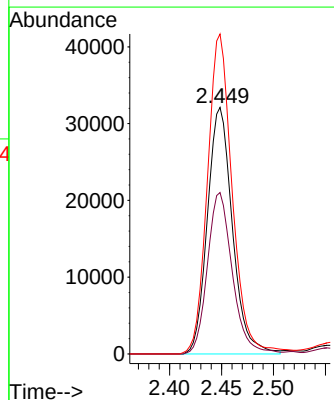
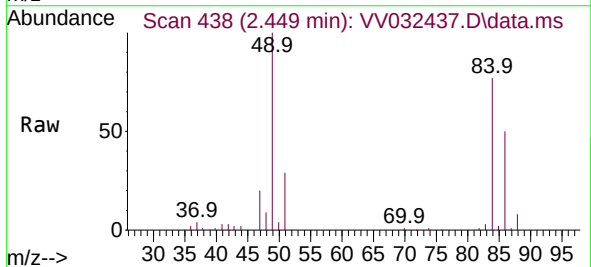
Instrument :
MSVOA_V
ClientSampleId :

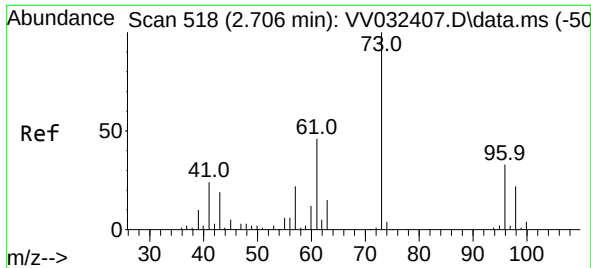
Tgt Ion: 43 Resp: 20437
Ion Ratio Lower Upper
43 100
74 25.1 18.0 27.0



#16
Methylene chloride
Concen: 5.495 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion: 84 Resp: 53817
Ion Ratio Lower Upper
84 100
86 65.5 43.2 80.2
49 129.8 86.3 160.3

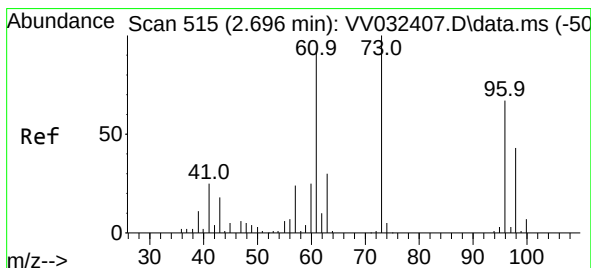
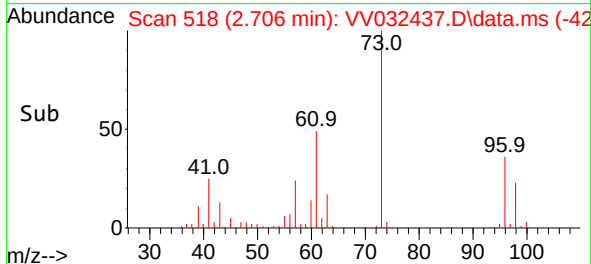
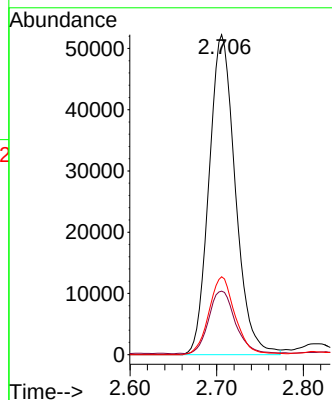
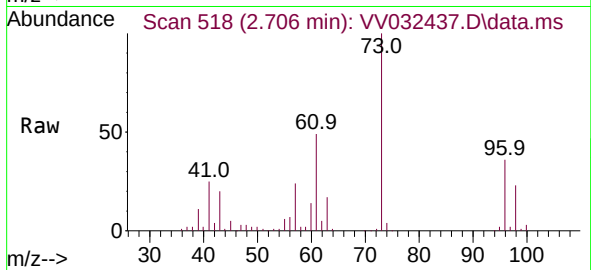




#17
Methyl tert-butyl Ether
Concen: 5.384 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

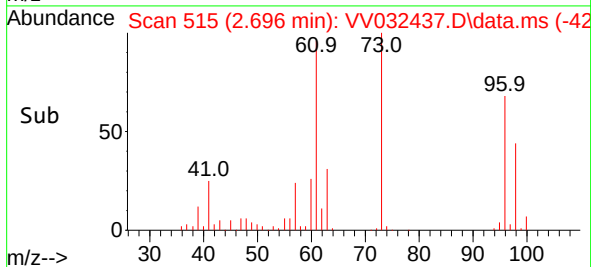
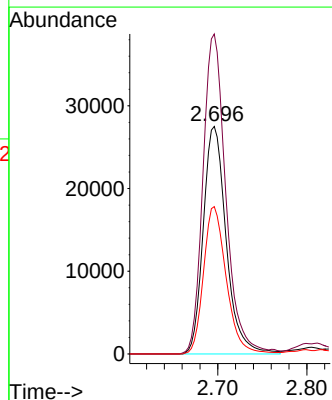
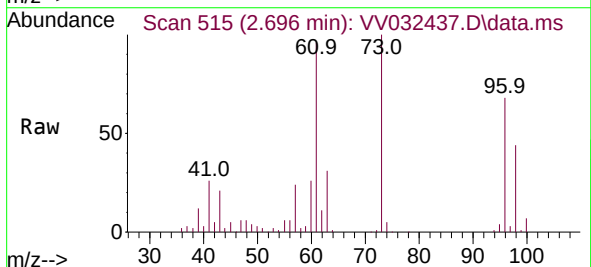
Instrument :
MSVOA_V
ClientSampleId :

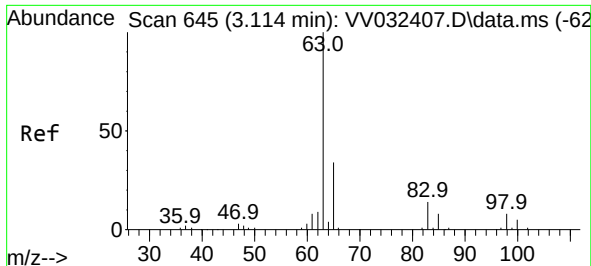
Tgt Ion: 73 Resp: 110120
Ion Ratio Lower Upper
73 100
43 19.8 15.1 22.7
57 24.3 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.724 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion: 96 Resp: 49252
Ion Ratio Lower Upper
96 100
61 140.6 96.9 180.1
98 64.8 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.997 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

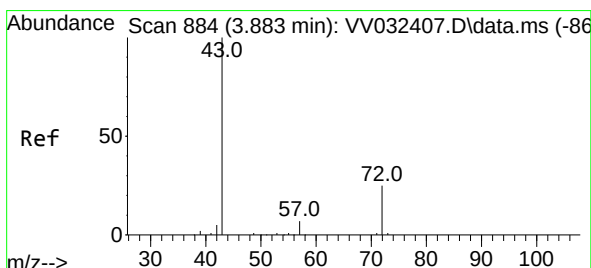
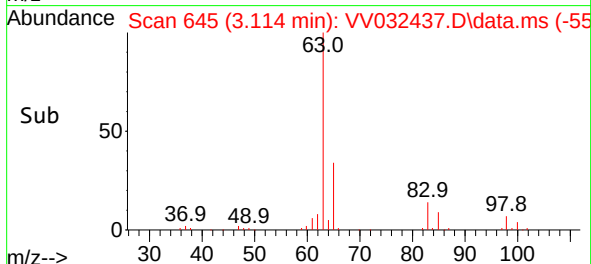
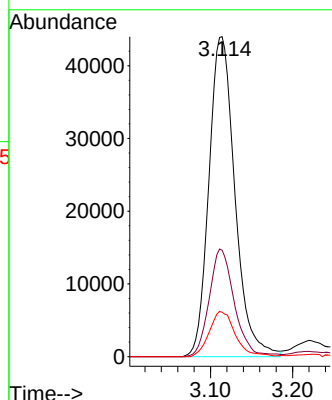
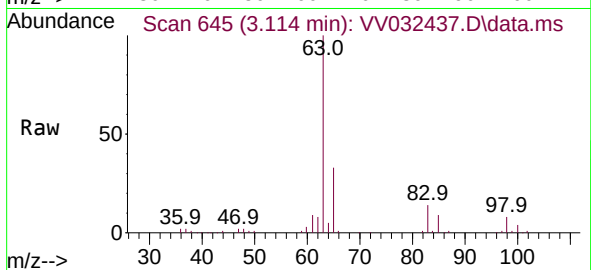
Tgt Ion: 63 Resp: 97070

Ion Ratio Lower Upper

63 100

65 33.3 22.3 41.5

83 13.9 9.0 16.6



#21

2-Butanone

Concen: 53.691 ug/L

RT: 3.879 min Scan# 883

Delta R.T. -0.003 min

Lab File: VV032437.D

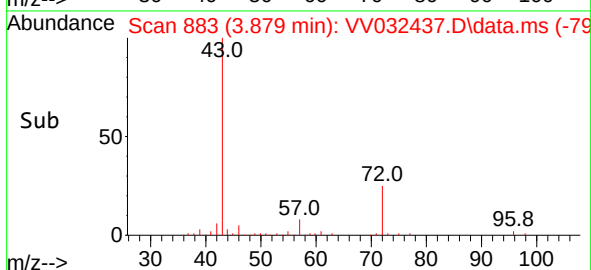
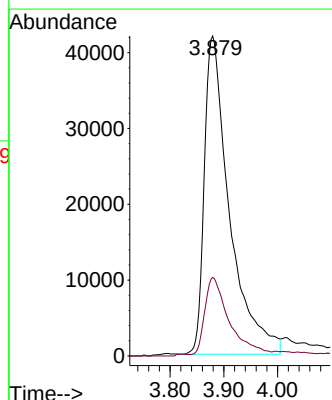
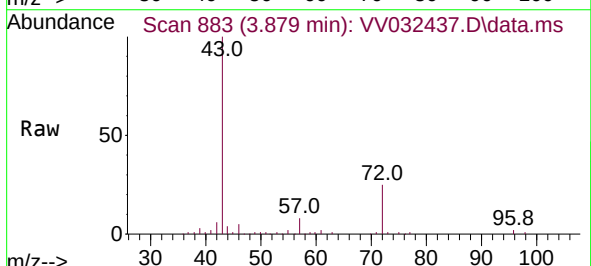
Acq: 17 Oct 2023 10:13

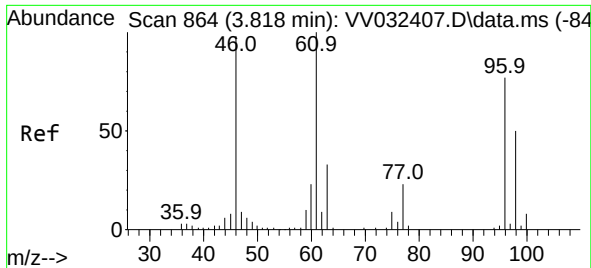
Tgt Ion: 43 Resp: 136382

Ion Ratio Lower Upper

43 100

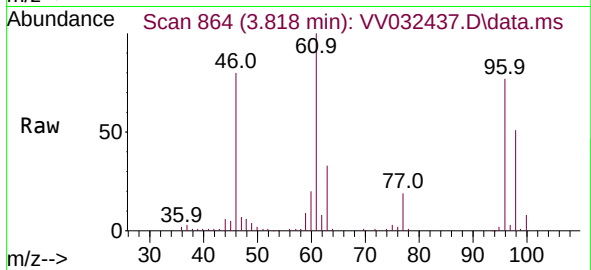
72 23.4 11.6 34.8





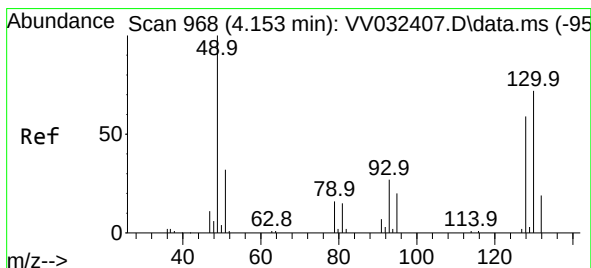
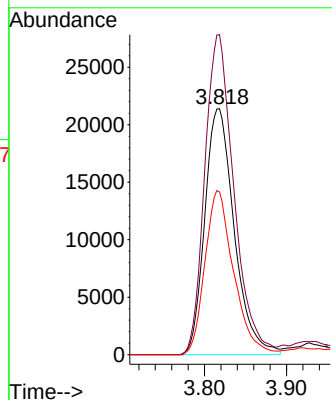
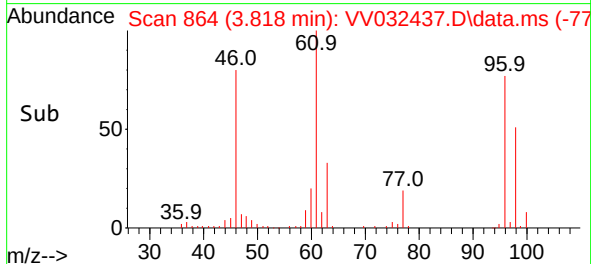
#22
 cis-1,2-Dichloroethene
 Concen: 5.784 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

Instrument :
 MSVOA_V
 ClientSampleId :

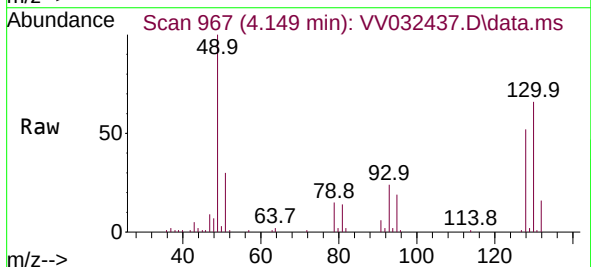


Tgt Ion: 96 Resp: 53590

Ion	Ratio	Lower	Upper
96	100		
61	130.1	85.8	159.4
98	66.1	44.0	81.6

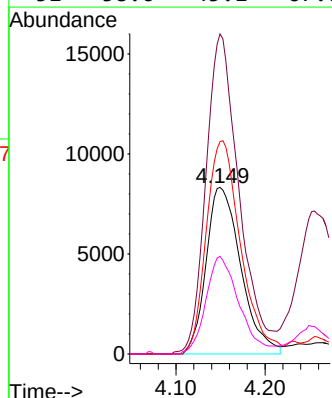
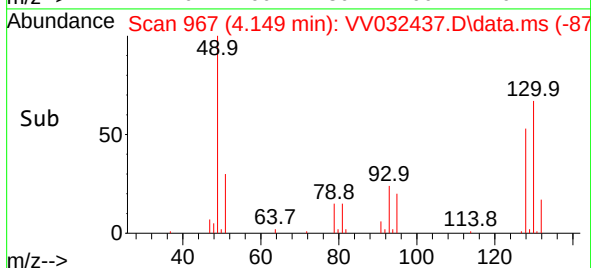


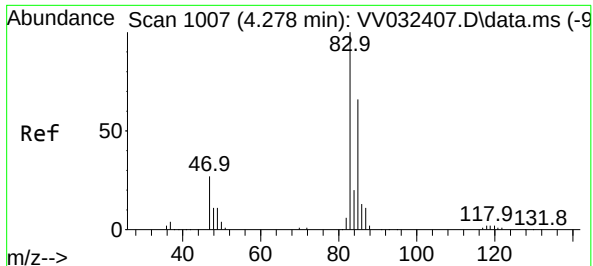
#23
 Bromochloromethane
 Concen: 5.781 ug/L
 RT: 4.149 min Scan# 967
 Delta R.T. -0.003 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13



Tgt Ion: 128 Resp: 22534

Ion	Ratio	Lower	Upper
128	100		
49	192.1	121.2	225.0
130	127.5	88.2	163.8
51	58.6	45.1	67.7

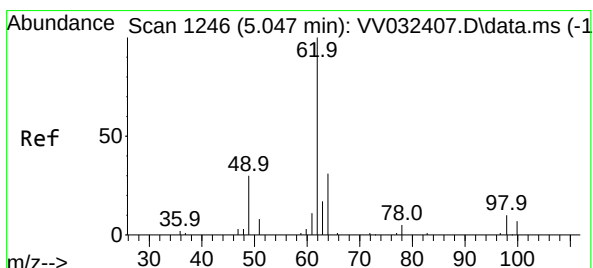
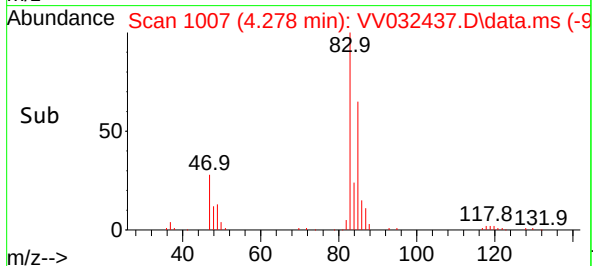
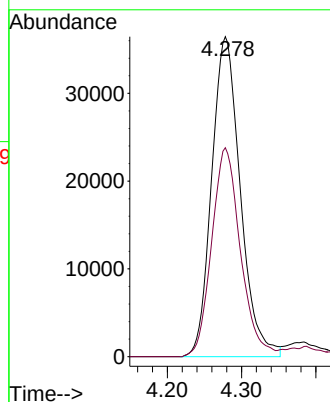
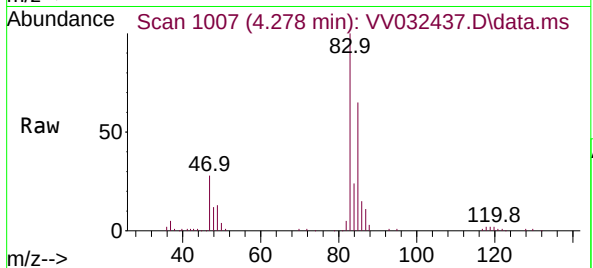




#25
Chloroform
Concen: 6.146 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

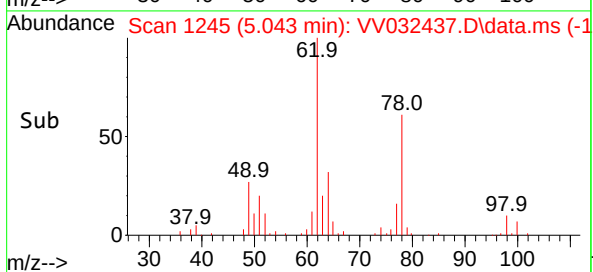
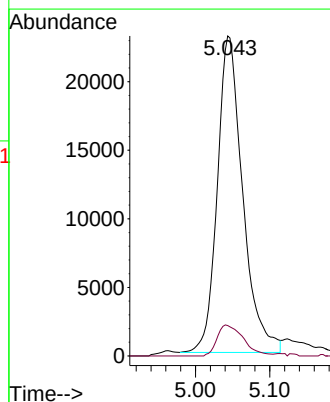
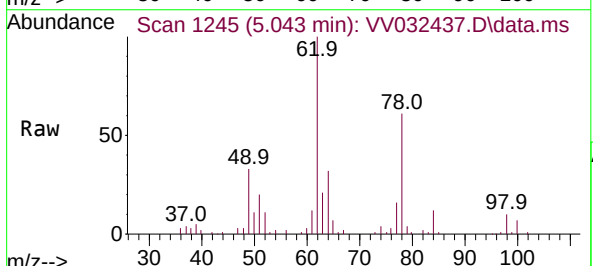
Instrument :
MSVOA_V
ClientSampleId :

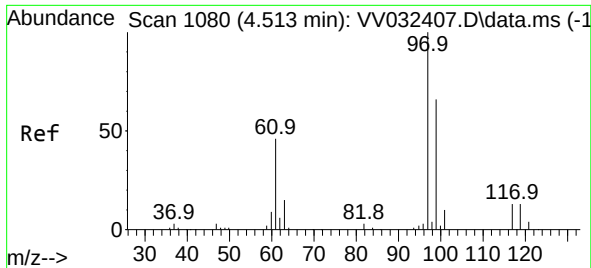
Tgt Ion: 83 Resp: 97619
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.858 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion: 62 Resp: 54966
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.475 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

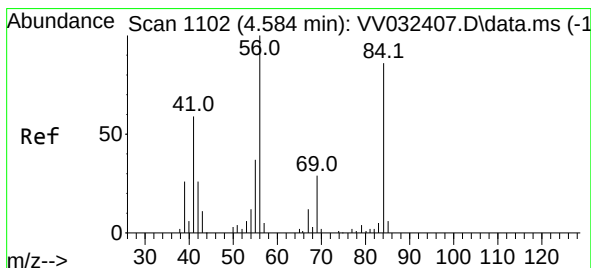
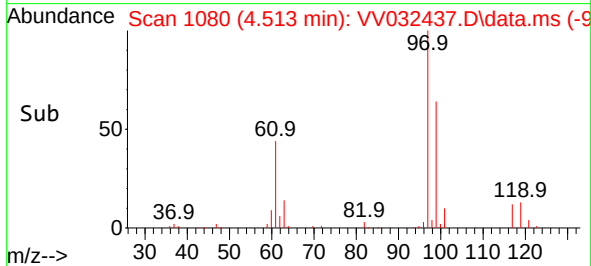
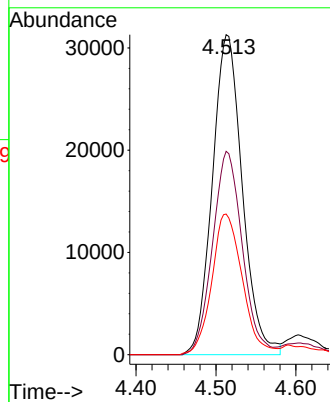
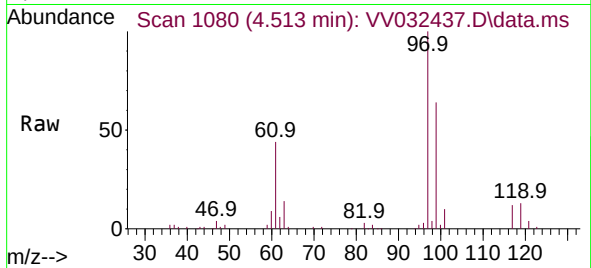
Tgt Ion: 97 Resp: 81380

Ion Ratio Lower Upper

97 100

99 63.2 50.1 75.1

61 44.8 35.1 52.7



#30

Cyclohexane

Concen: 4.843 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

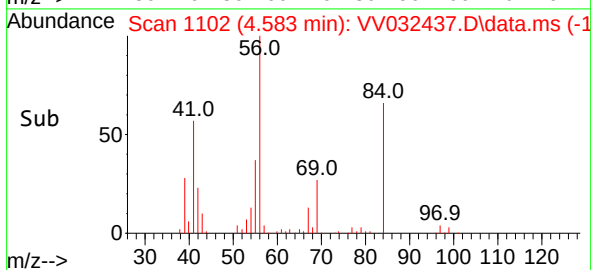
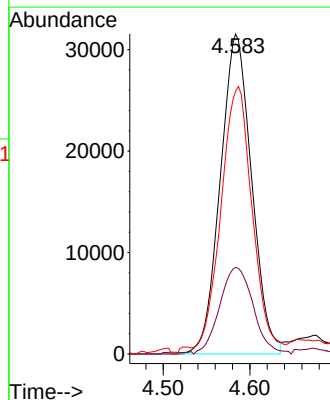
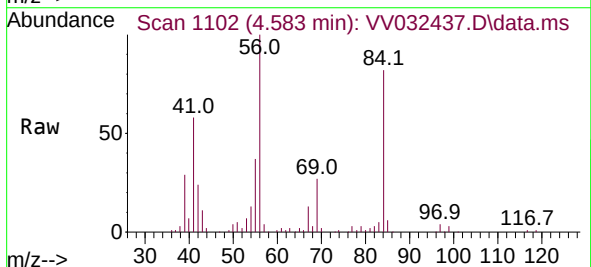
Tgt Ion: 56 Resp: 79110

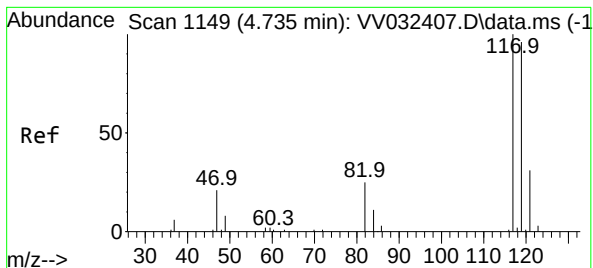
Ion Ratio Lower Upper

56 100

69 28.9 24.2 36.2

84 79.5 68.1 102.1





#31

Carbon tetrachloride

Concen: 5.468 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

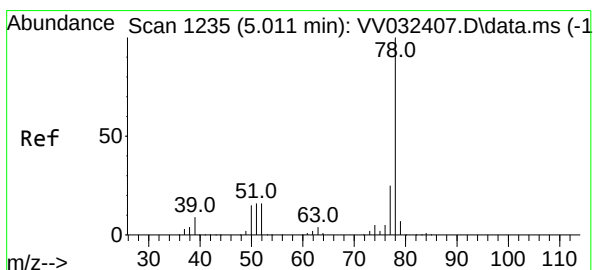
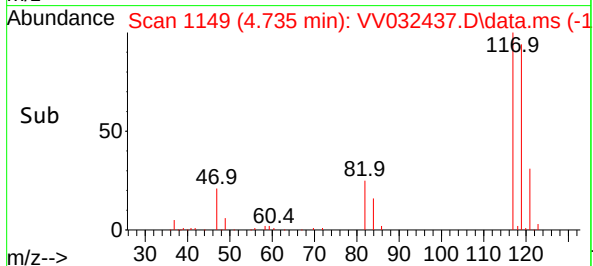
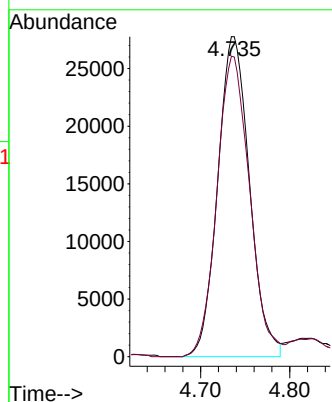
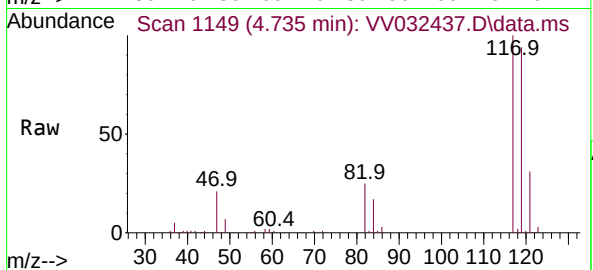
ClientSampleId :

Tgt Ion:117 Resp: 68767

Ion Ratio Lower Upper

117 100

119 96.7 77.6 116.4



#33

Benzene

Concen: 5.313 ug/L

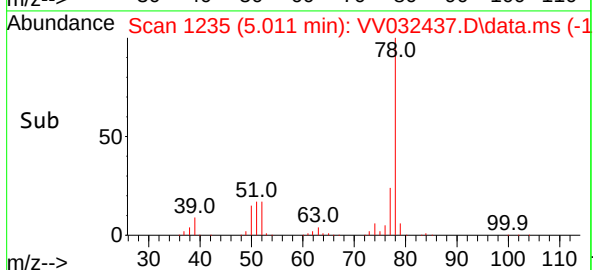
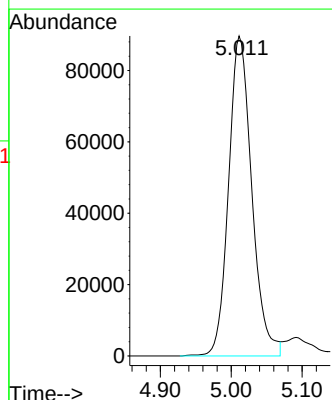
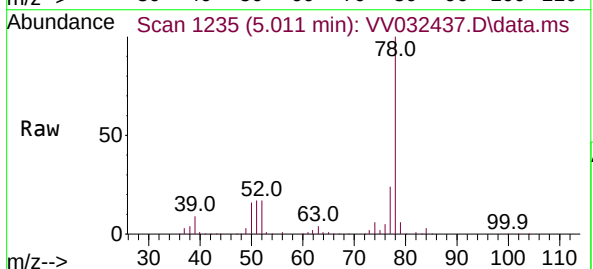
RT: 5.011 min Scan# 1235

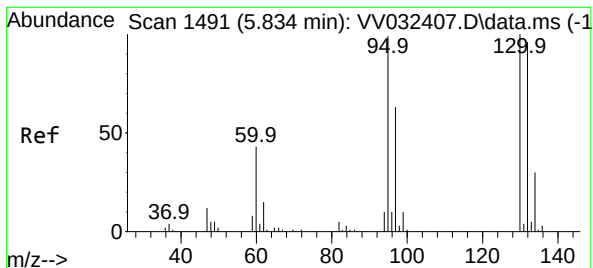
Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Tgt Ion: 78 Resp: 204499





#34

Trichloroethene

Concen: 5.190 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 54536

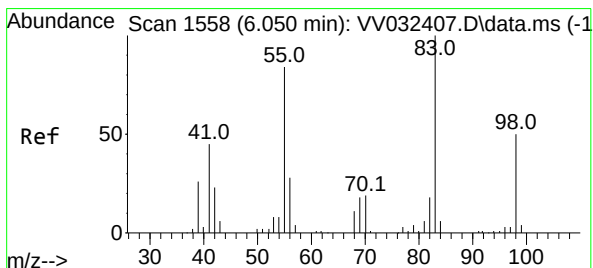
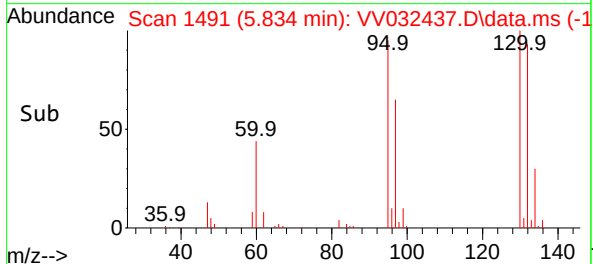
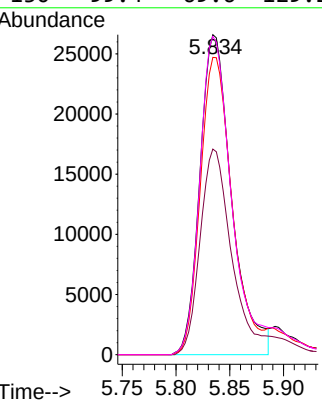
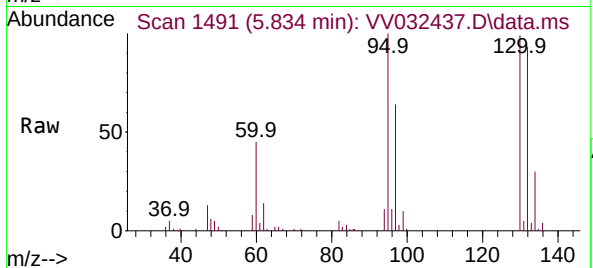
Ion Ratio Lower Upper

95 100

97 64.2 45.7 84.9

132 92.9 70.3 130.5

130 99.4 69.6 129.2



#35

Methylcyclohexane

Concen: 5.321 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

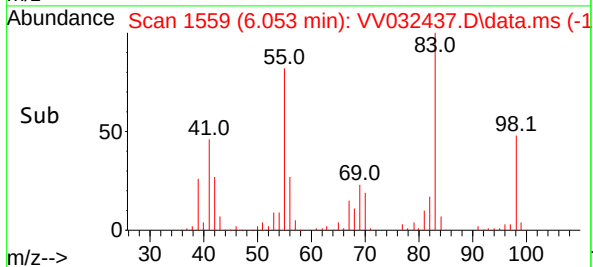
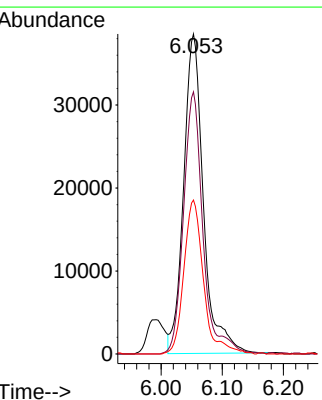
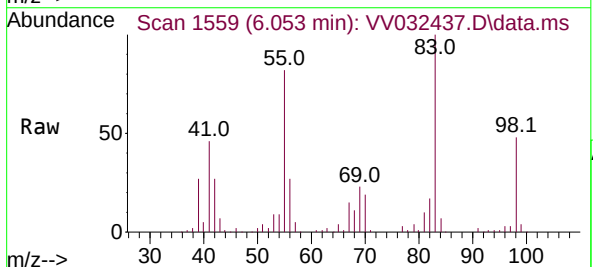
Tgt Ion: 83 Resp: 86514

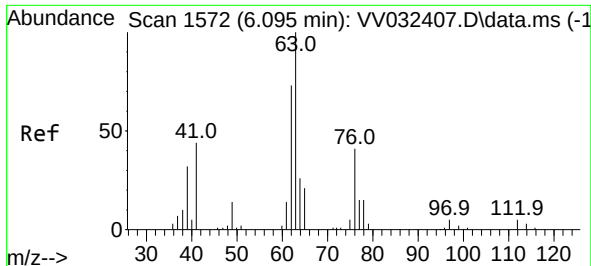
Ion Ratio Lower Upper

83 100

55 80.7 64.2 96.2

98 47.9 39.6 59.4





#37

1,2-Dichloropropane

Concen: 5.771 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

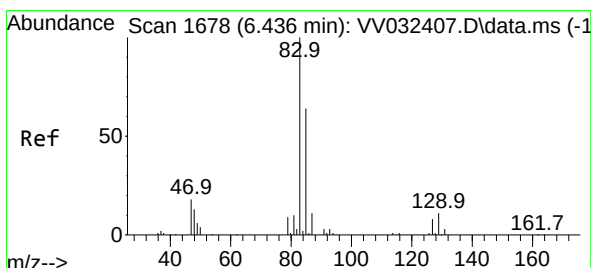
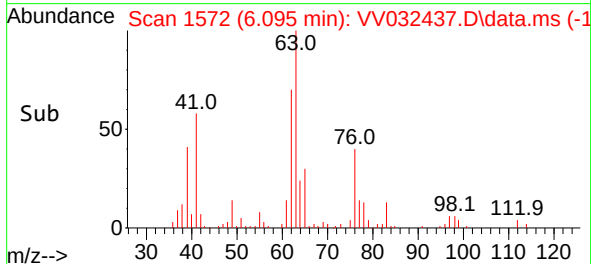
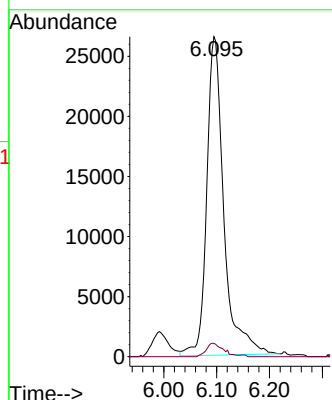
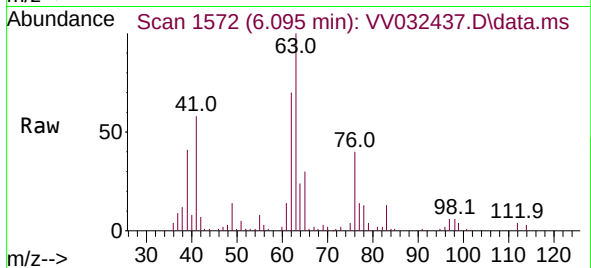
ClientSampleId :

Tgt Ion: 63 Resp: 59404

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 5.779 ug/L

RT: 6.435 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

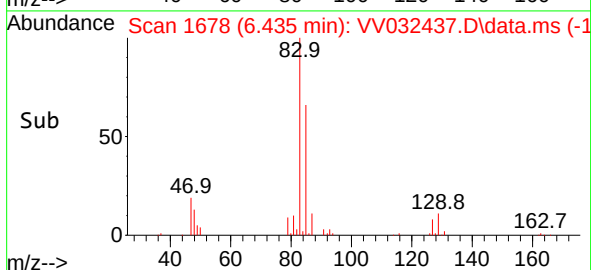
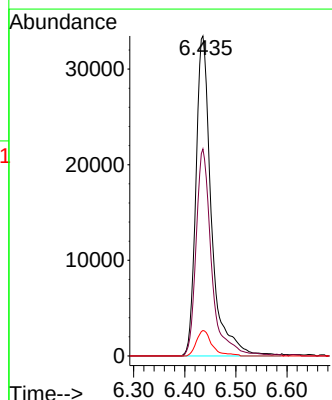
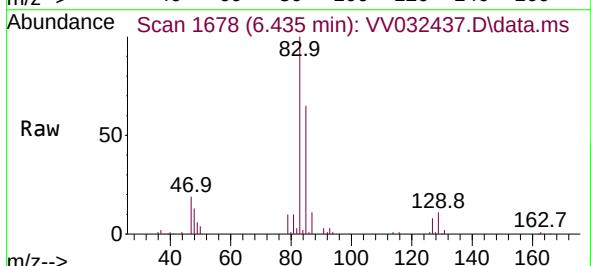
Tgt Ion: 83 Resp: 70682

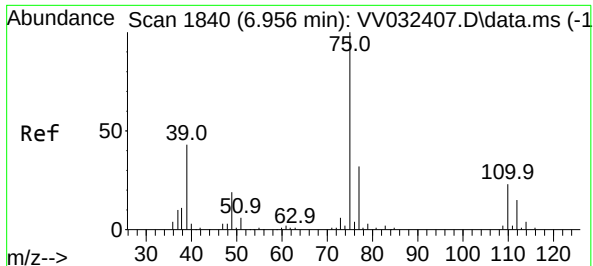
Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3

127 7.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.232 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

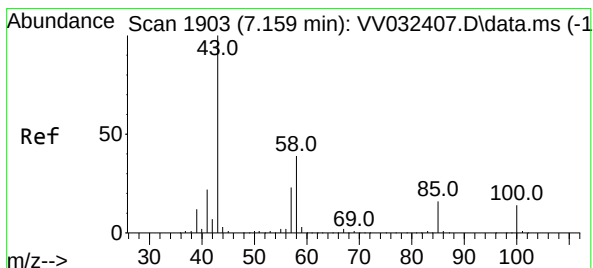
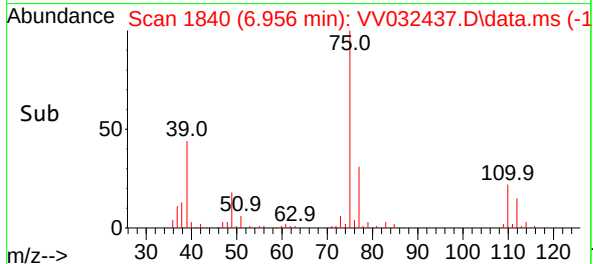
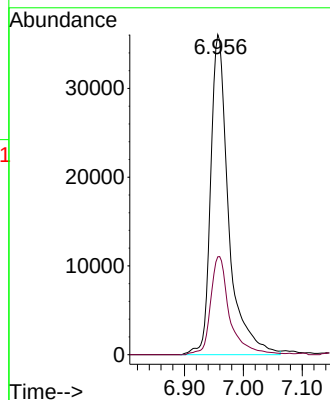
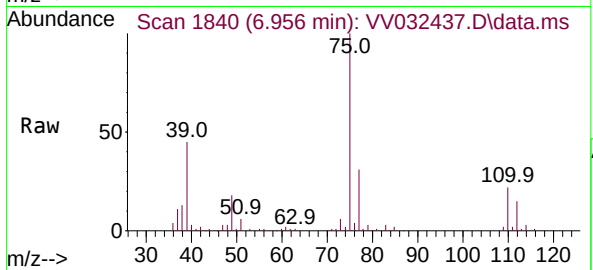
ClientSampleId :

Tgt Ion: 75 Resp: 76644

Ion Ratio Lower Upper

75 100

77 30.6 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 51.720 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

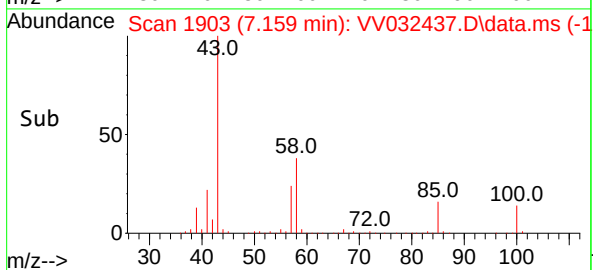
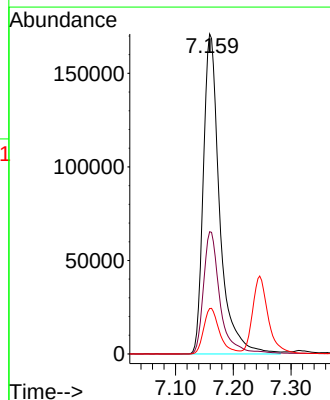
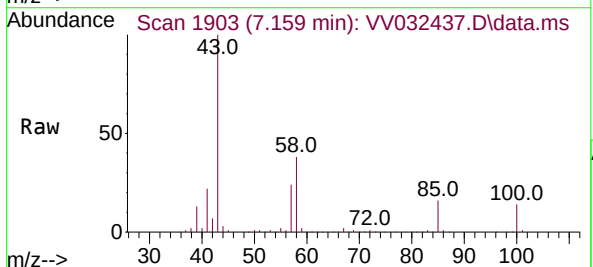
Tgt Ion: 43 Resp: 336899

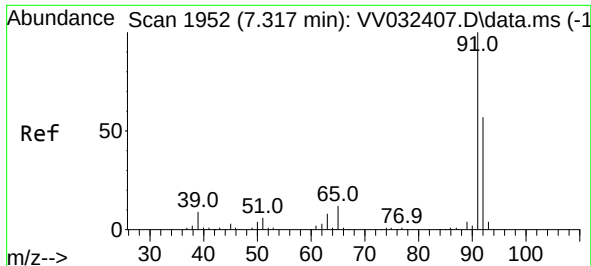
Ion Ratio Lower Upper

43 100

58 38.9 31.9 47.9

100 13.8 11.3 16.9





#42

Toluene

Concen: 5.578 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

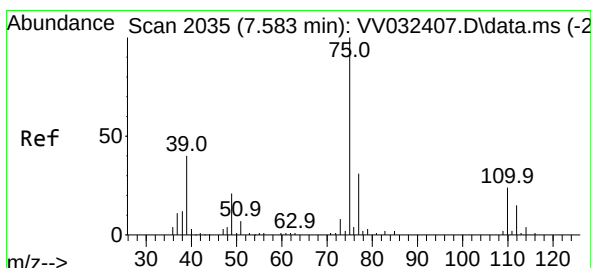
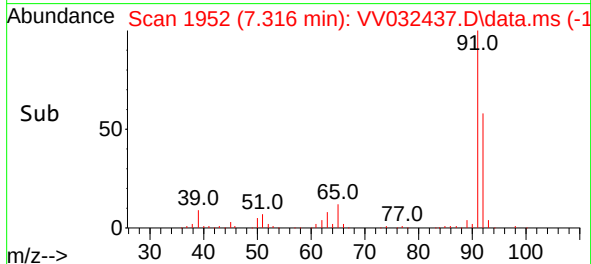
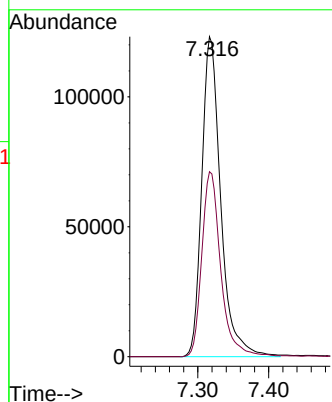
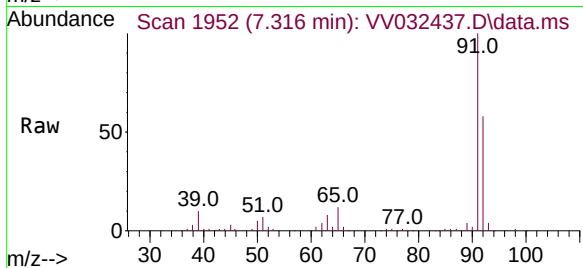
ClientSampleId :

Tgt Ion: 91 Resp: 228875

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.097 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032437.D

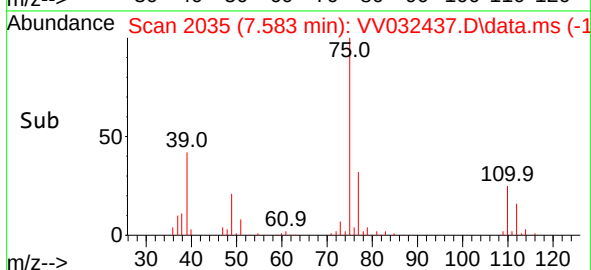
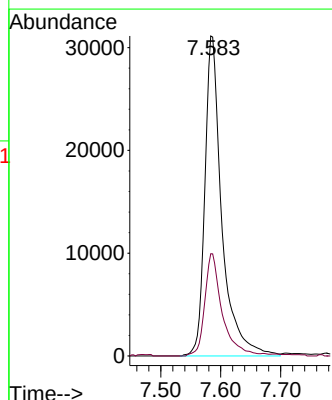
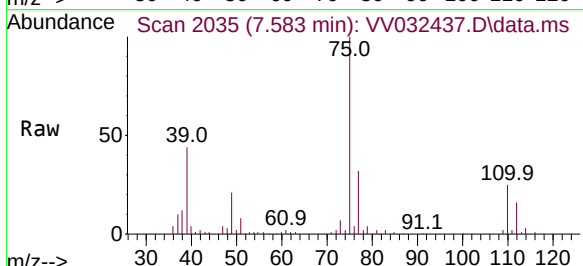
Acq: 17 Oct 2023 10:13

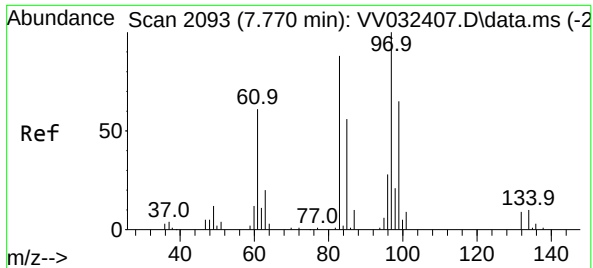
Tgt Ion: 75 Resp: 61357

Ion Ratio Lower Upper

75 100

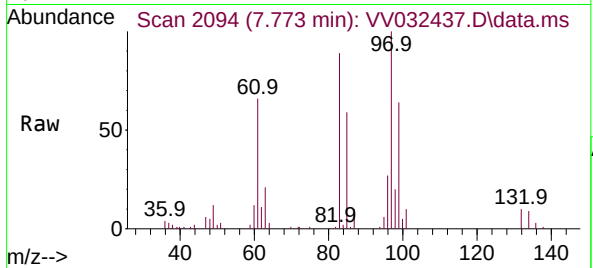
77 31.9 22.5 41.7



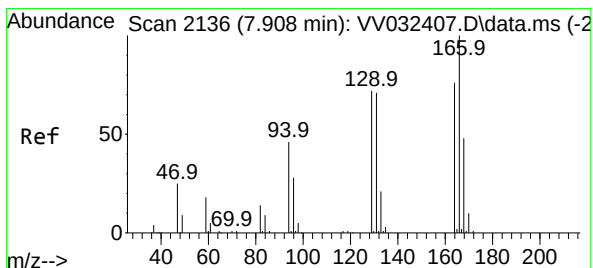
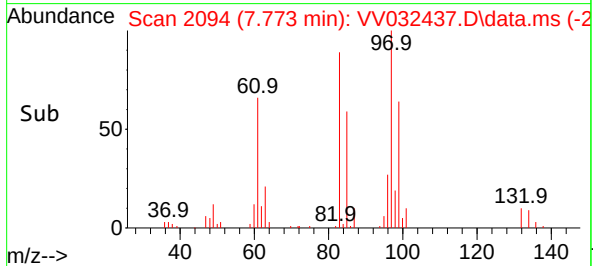
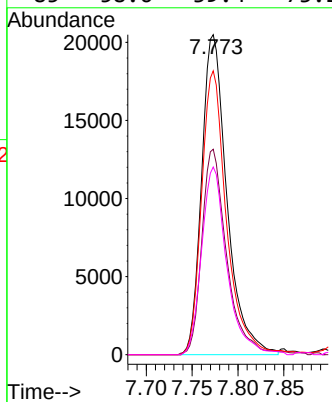


#45
1,1,2-Trichloroethane
Concen: 5.427 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Instrument :
MSVOA_V
ClientSampleId :

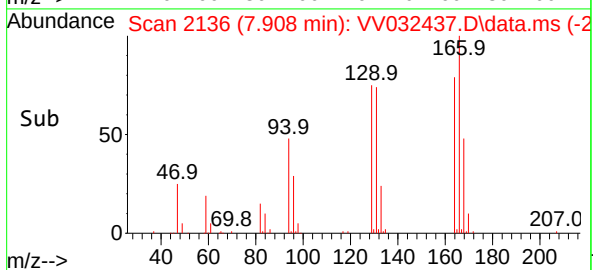
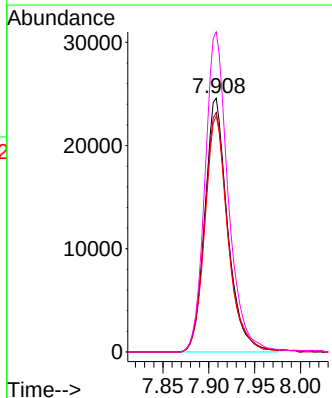
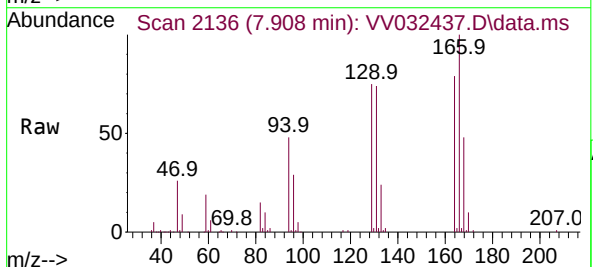


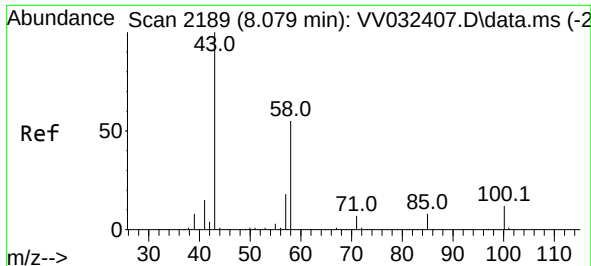
Tgt Ion:	97	Resp:	39405
Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.8	79.4
83	88.7	60.9	113.1
85	58.6	39.4	73.2



#47
Tetrachloroethene
Concen: 5.346 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion:	164	Resp:	42596
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.4	123.4
131	93.0	63.7	118.3
166	126.1	87.9	163.3

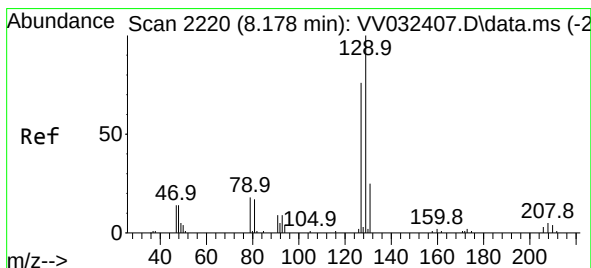
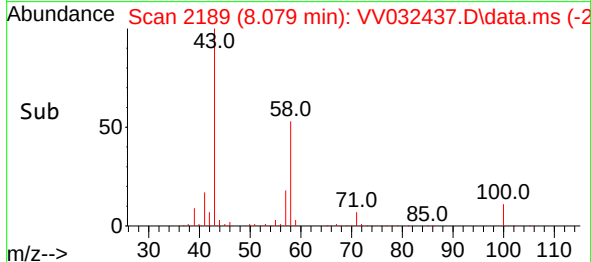
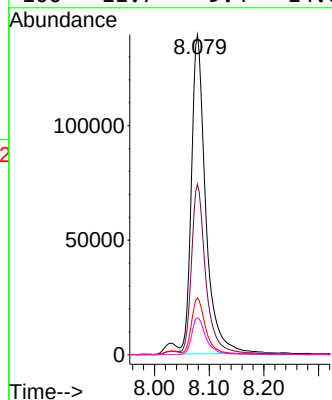
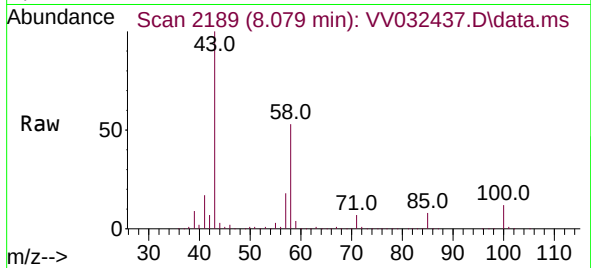




#48
2-Hexanone
Concen: 54.942 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

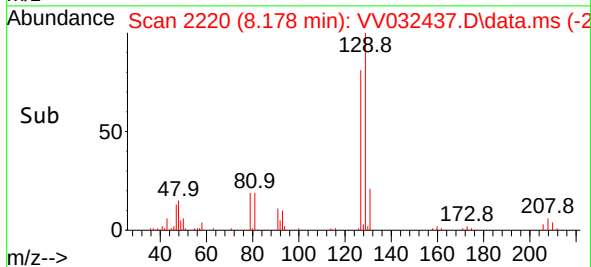
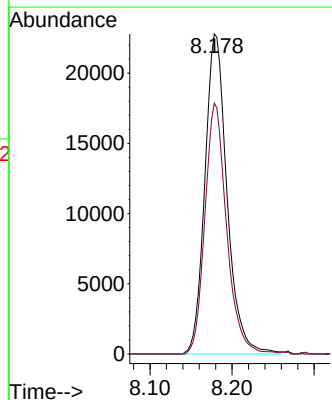
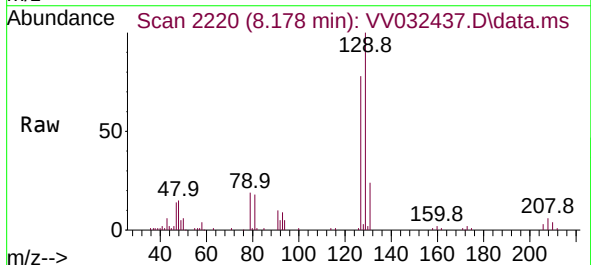
Instrument :
MSVOA_V
ClientSampleId :

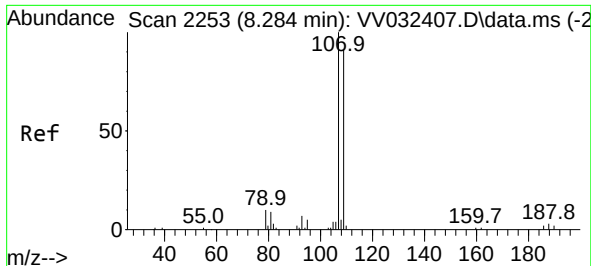
Tgt Ion:	43	Resp:	252506
Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.6	65.4
57	17.4	14.6	22.0
100	11.7	9.4	14.0



#49
Dibromochloromethane
Concen: 5.663 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion:	129	Resp:	42813
Ion	Ratio	Lower	Upper
129	100		
127	78.3	57.2	106.2





#50

1,2-Dibromoethane

Concen: 5.379 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032437.D

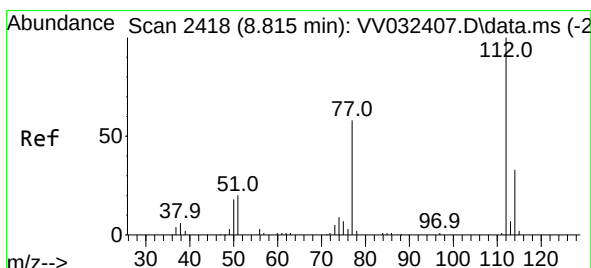
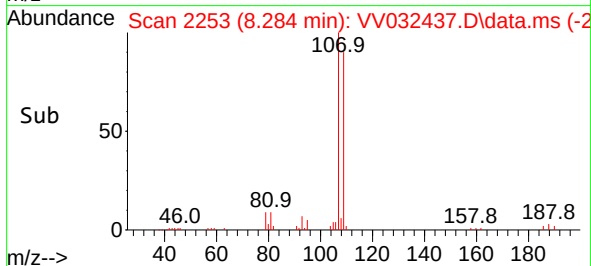
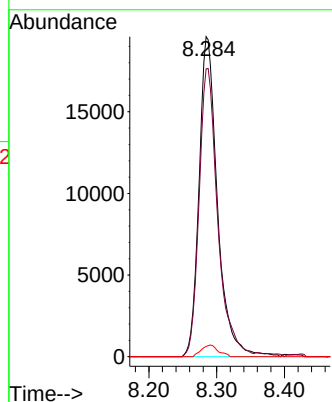
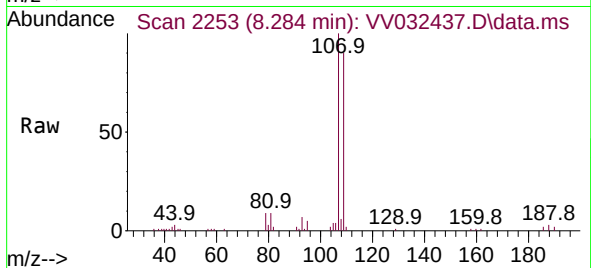
Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	36942
Ion	Ratio	Lower	Upper
107	100		
109	90.0	68.4	127.0
188	3.2	3.2	4.8#



#51

Chlorobenzene

Concen: 5.472 ug/L

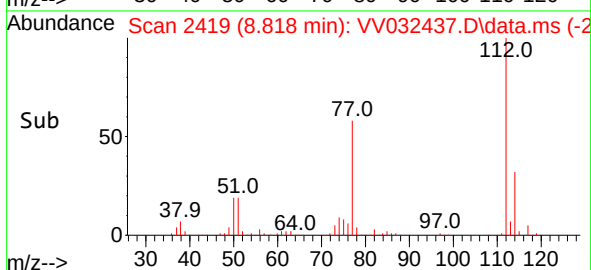
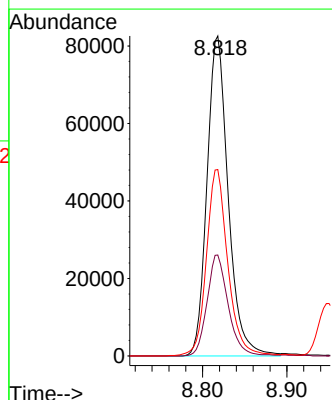
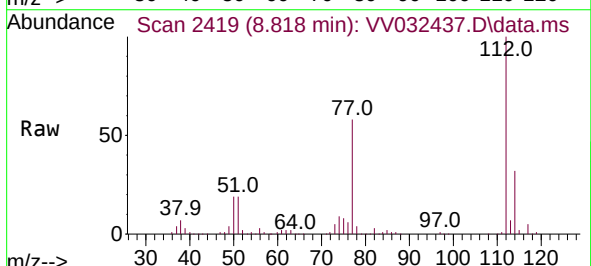
RT: 8.818 min Scan# 2419

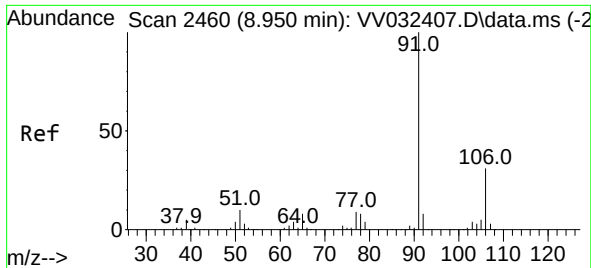
Delta R.T. 0.003 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Tgt Ion:	112	Resp:	144544
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	58.3	46.1	69.1

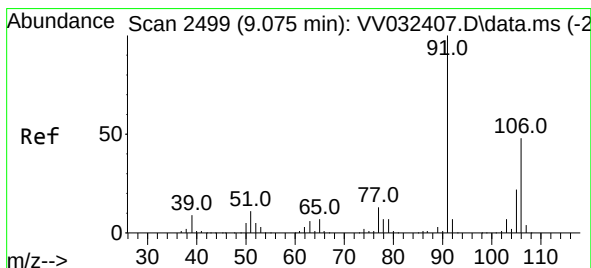
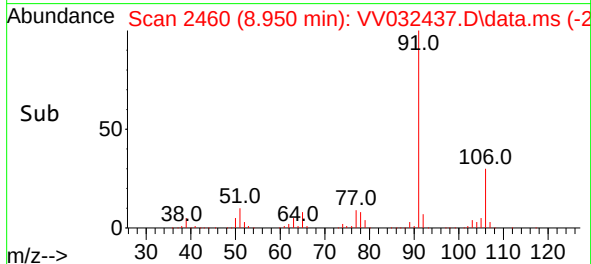
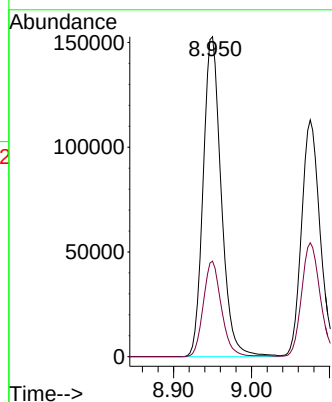
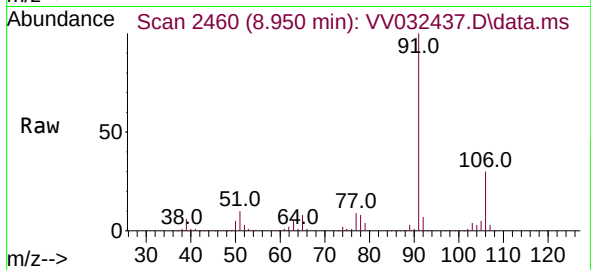




#52
Ethylbenzene
Concen: 5.389 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

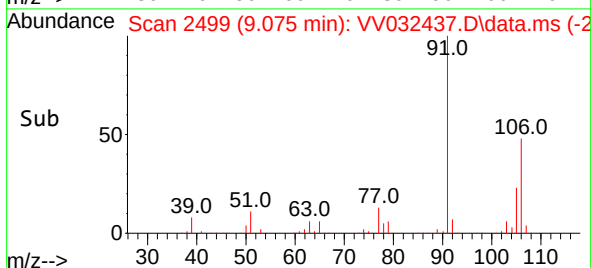
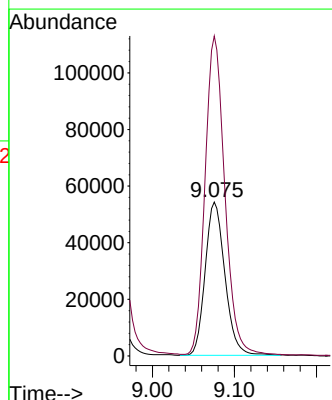
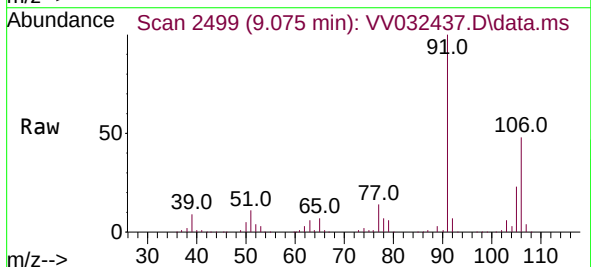
Instrument :
MSVOA_V
ClientSampleId :

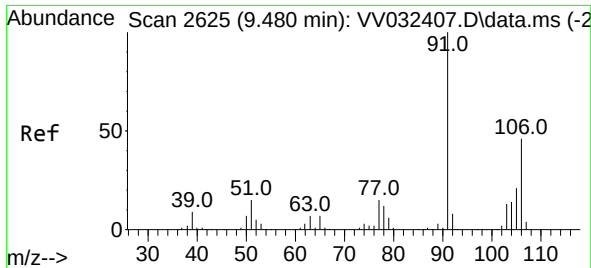
Tgt Ion: 91 Resp: 246232
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5



#53
m,p-Xylene
Concen: 5.348 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion: 106 Resp: 90614
Ion Ratio Lower Upper
106 100
91 207.9 144.5 268.3

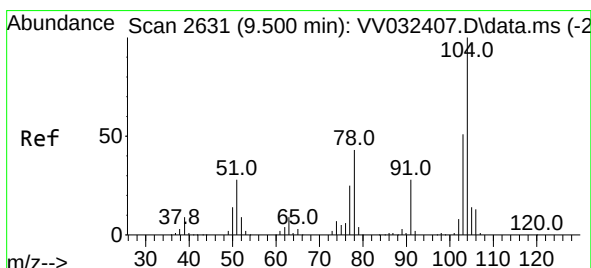
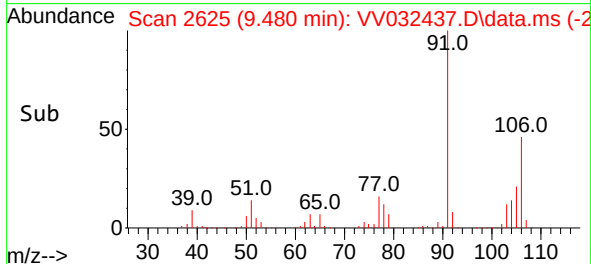
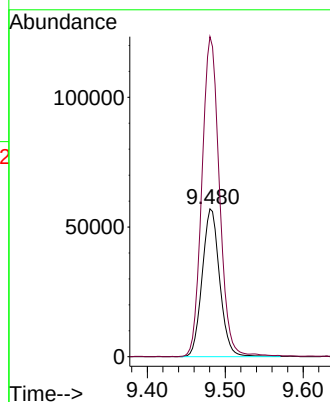
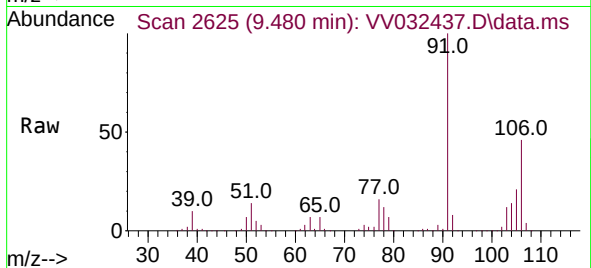




#54
o-Xylene
Concen: 5.446 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

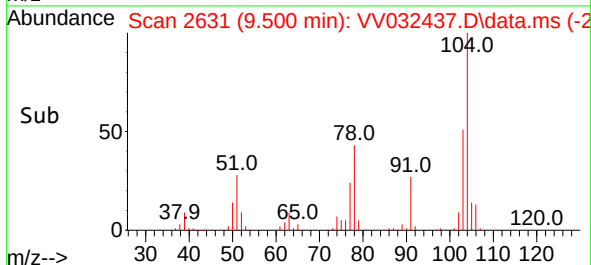
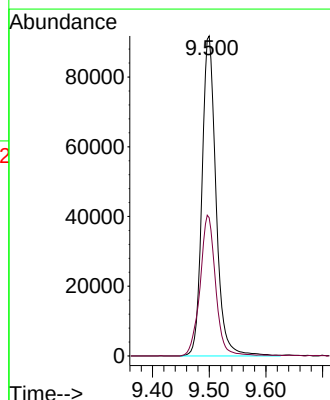
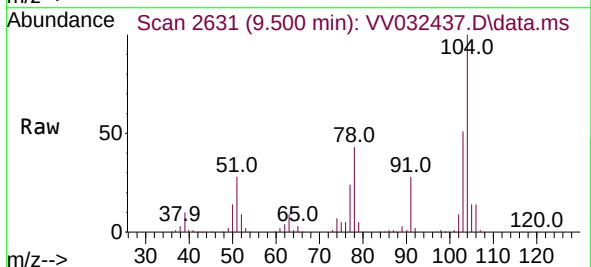
Instrument :
MSVOA_V
ClientSampleId :

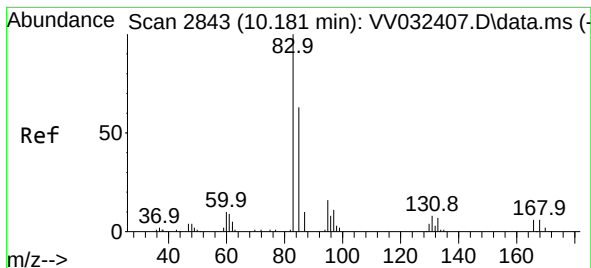
Tgt Ion:106 Resp: 88919
Ion Ratio Lower Upper
106 100
91 216.4 154.8 287.4



#55
Styrene
Concen: 5.721 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion:104 Resp: 157759
Ion Ratio Lower Upper
104 100
78 43.2 29.9 55.5

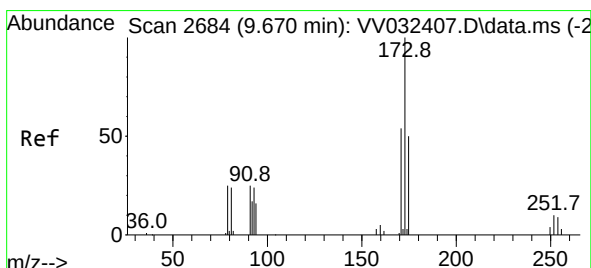
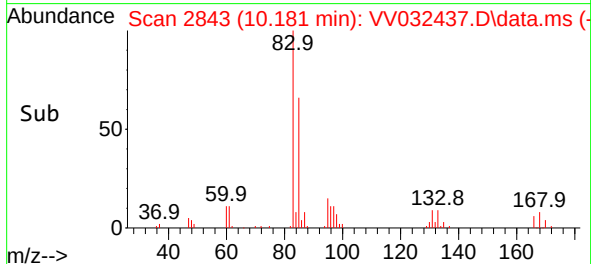
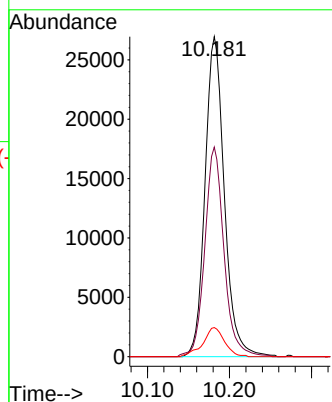
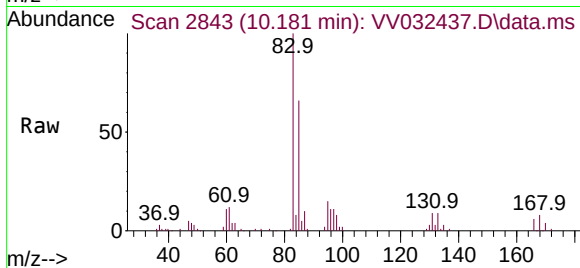




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.514 ug/L
 RT: 10.181 min Scan# 2843
 Delta R.T. -0.000 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

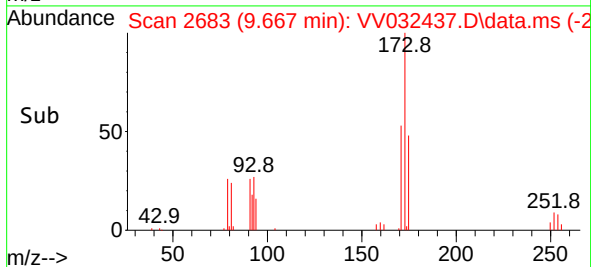
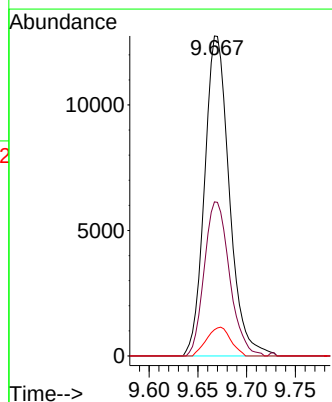
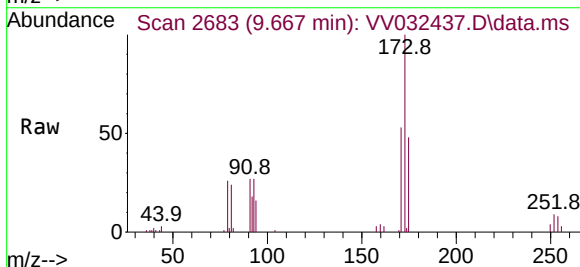
Instrument :
 MSVOA_V
 ClientSampleId :

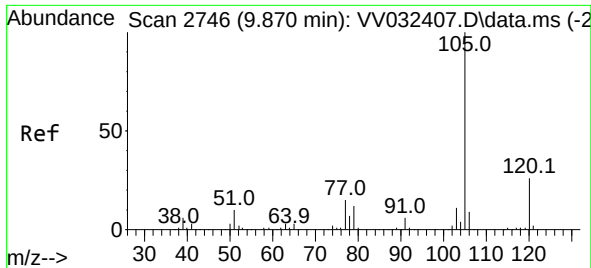
Tgt Ion: 83 Resp: 44053
 Ion Ratio Lower Upper
 83 100
 85 65.5 43.6 81.0
 131 9.1 7.0 10.6



#59
 Bromoform
 Concen: 5.218 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. -0.003 min
 Lab File: VV032437.D
 Acq: 17 Oct 2023 10:13

Tgt Ion: 173 Resp: 22498
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.2 57.2
 254 8.7 7.0 10.4

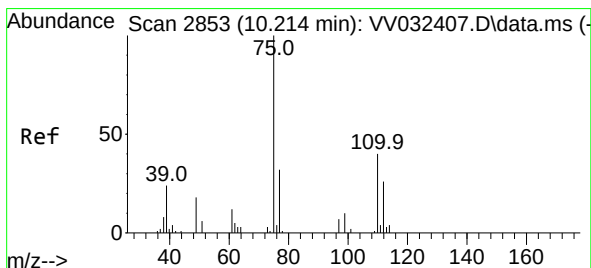
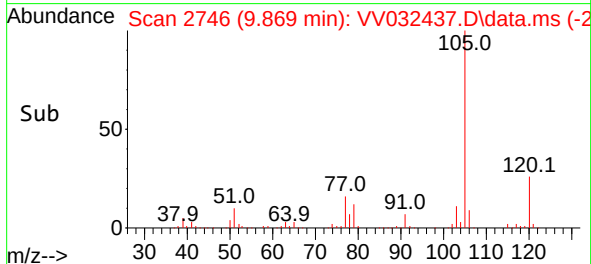
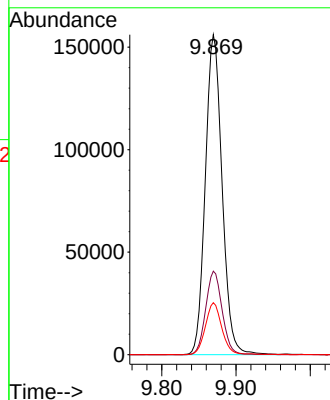
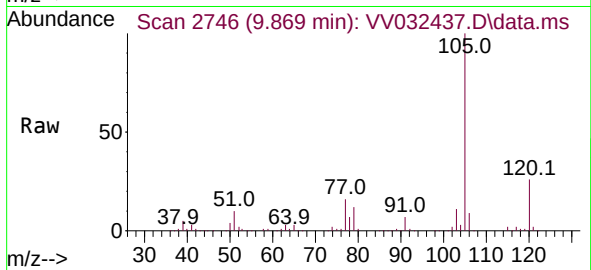




#60
Isopropylbenzene
Concen: 5.304 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

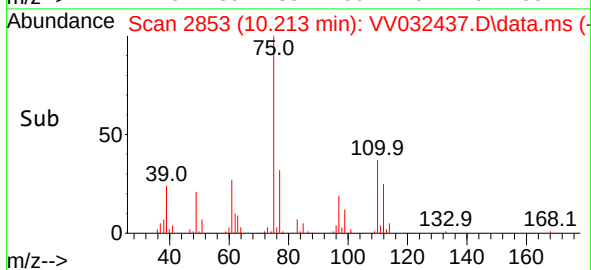
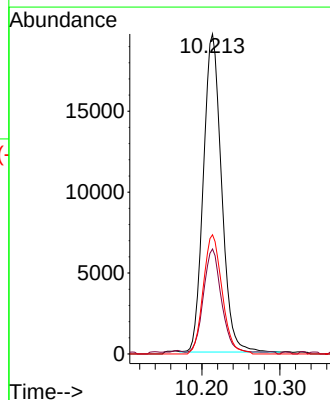
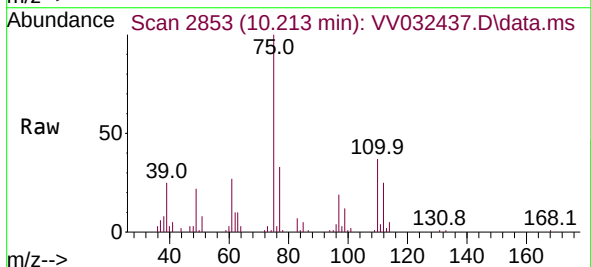
Instrument :
MSVOA_V
ClientSampleId :

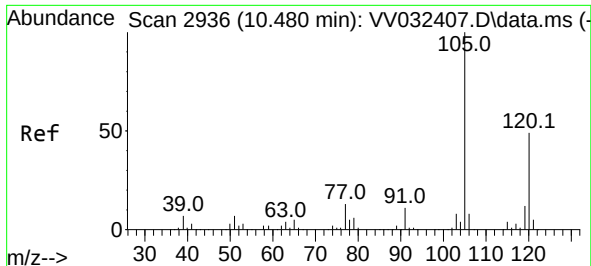
Tgt Ion:105 Resp: 244377
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.6
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.036 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion: 75 Resp: 31779
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2
110 38.8 30.6 46.0

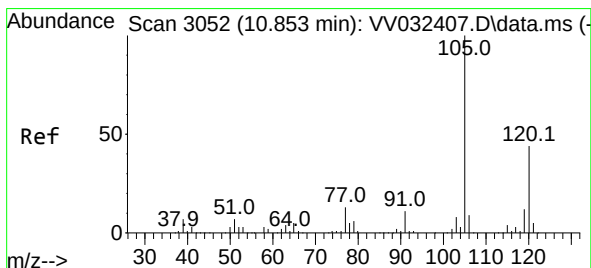
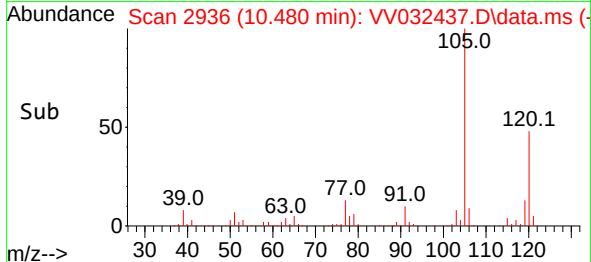
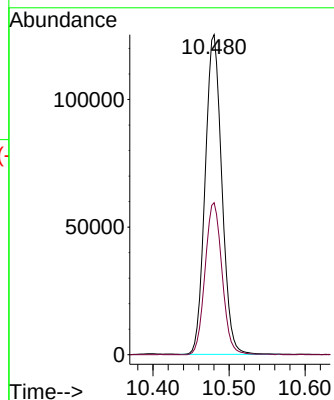
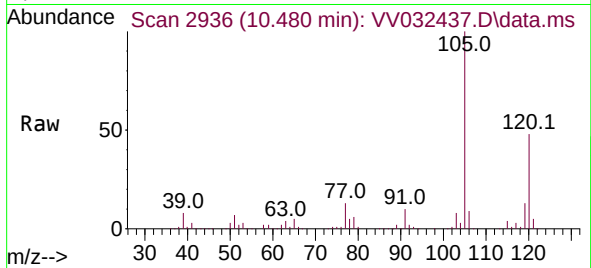




#62
1,3,5-Trimethylbenzene
Concen: 5.086 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

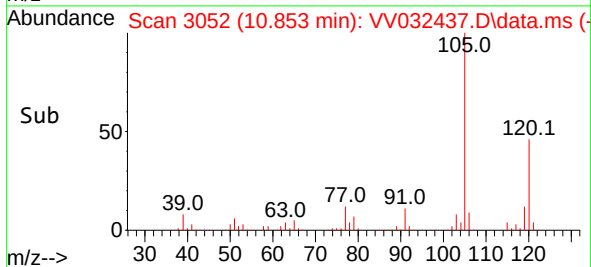
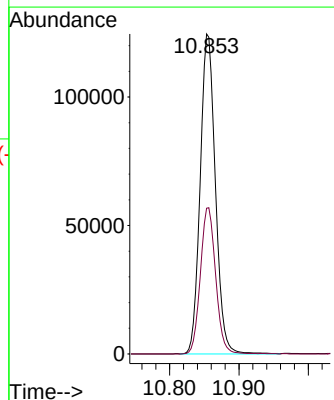
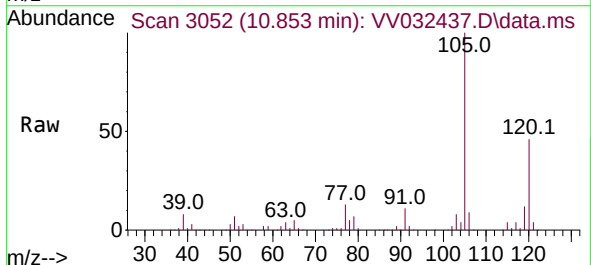
Instrument :
MSVOA_V
ClientSampleId :

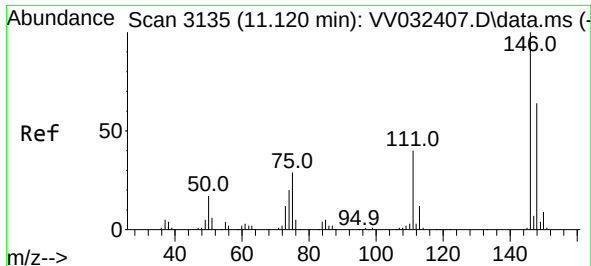
Tgt Ion:105 Resp: 190986
Ion Ratio Lower Upper
105 100
120 48.5 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 5.082 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

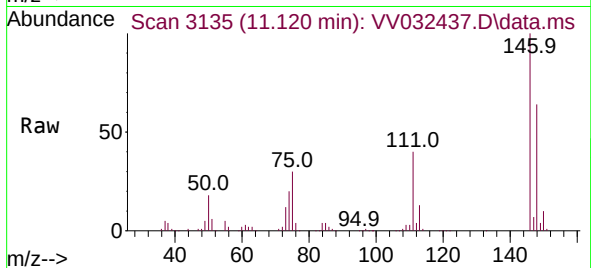
Tgt Ion:105 Resp: 190019
Ion Ratio Lower Upper
105 100
120 45.9 36.2 54.4



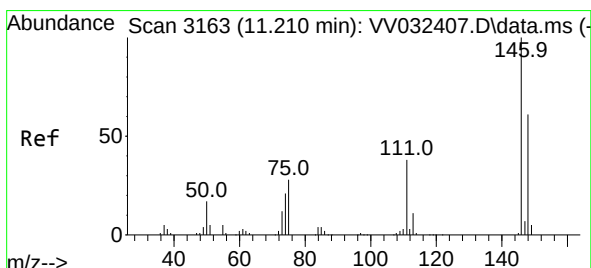
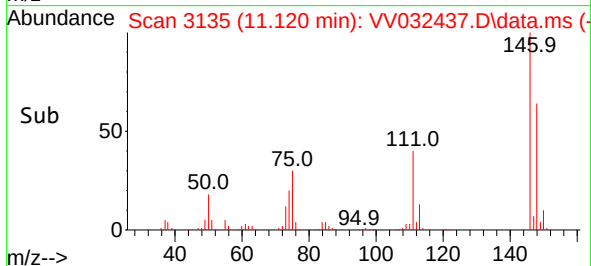
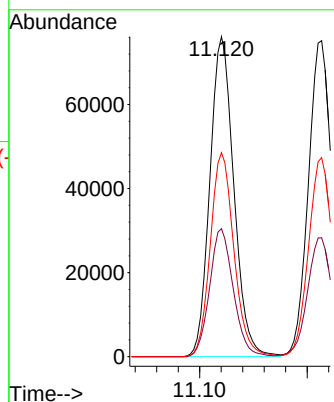


#64
1,3-Dichlorobenzene
Concen: 5.345 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Instrument :
MSVOA_V
ClientSampleId :

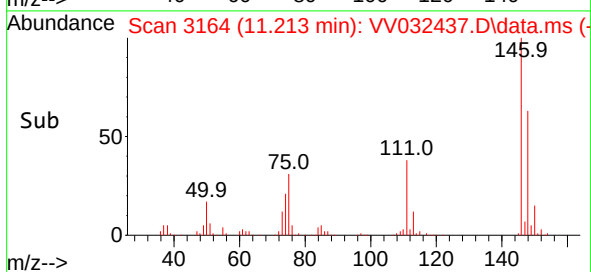
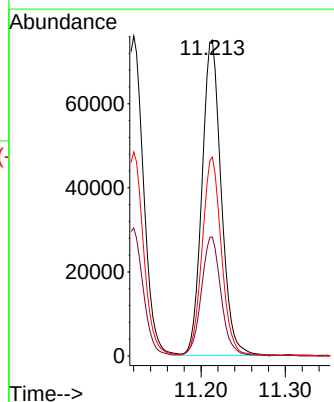
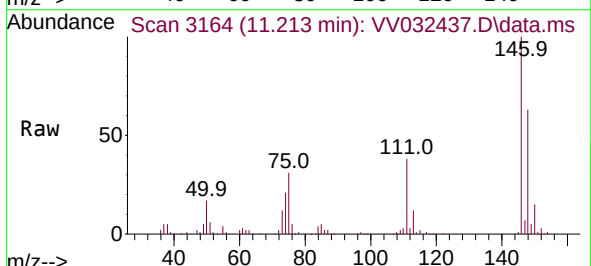


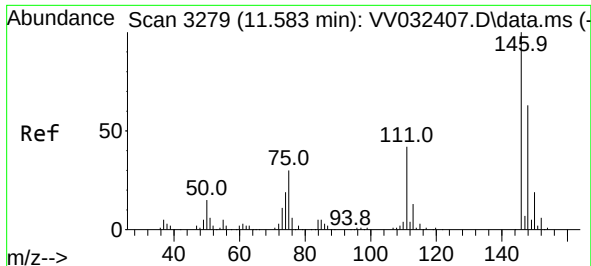
Tgt Ion:146 Resp: 117665
Ion Ratio Lower Upper
146 100
111 40.0 27.8 51.6
148 63.8 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 5.402 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion:146 Resp: 119287
Ion Ratio Lower Upper
146 100
111 37.6 26.9 49.9
148 63.0 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.371 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :

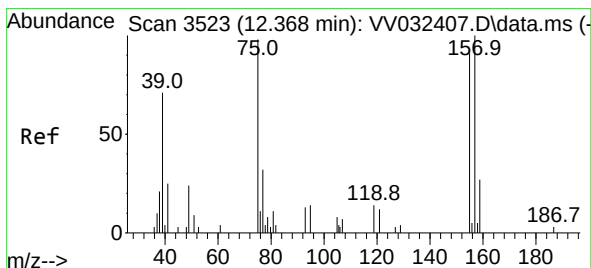
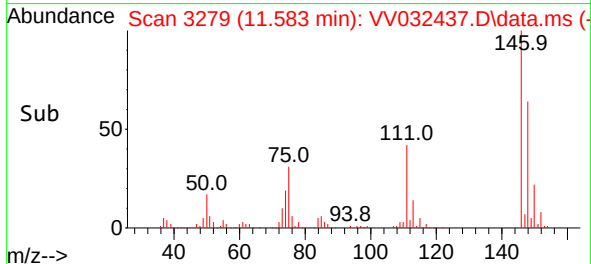
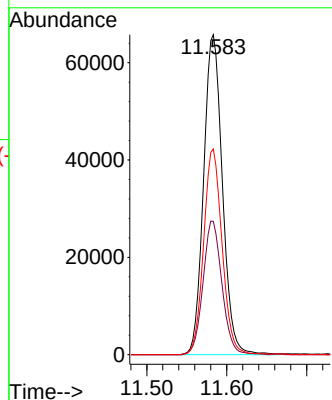
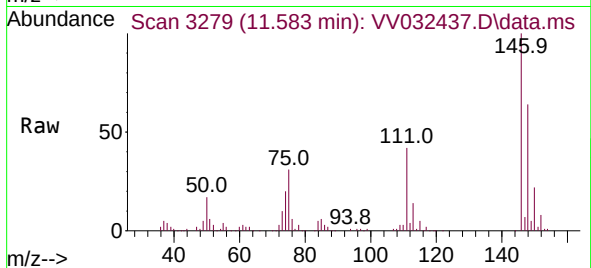
Tgt Ion:146 Resp: 107836

Ion Ratio Lower Upper

146 100

111 41.6 32.8 49.2

148 64.3 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.633 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

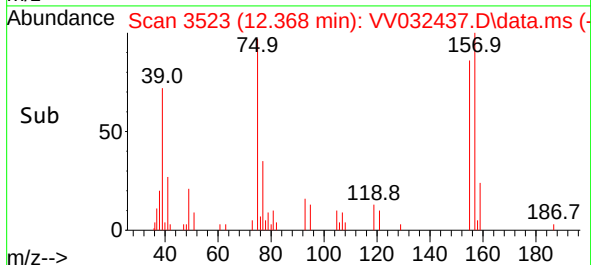
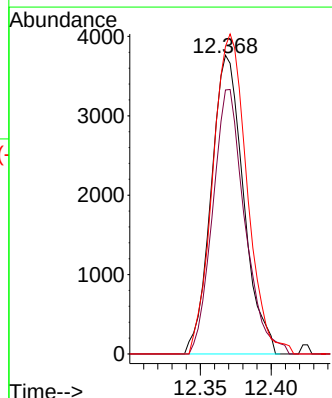
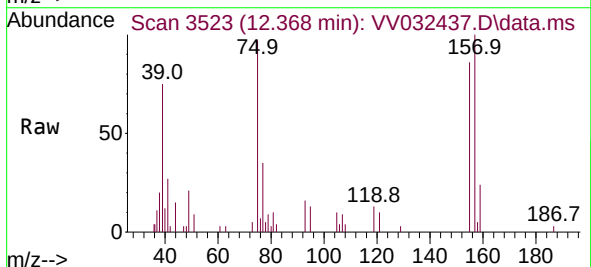
Tgt Ion: 75 Resp: 5974

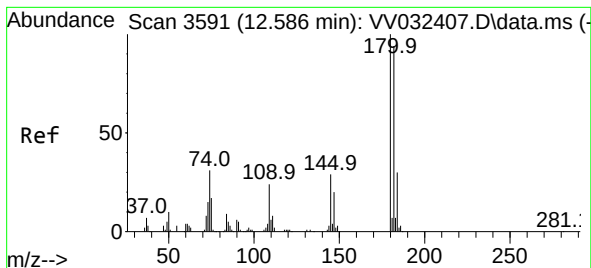
Ion Ratio Lower Upper

75 100

155 88.4 70.2 105.4

157 102.9 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 5.288 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

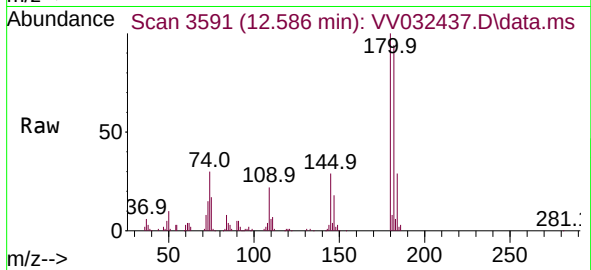
Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 85249

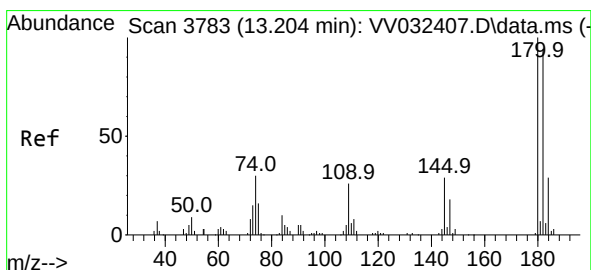
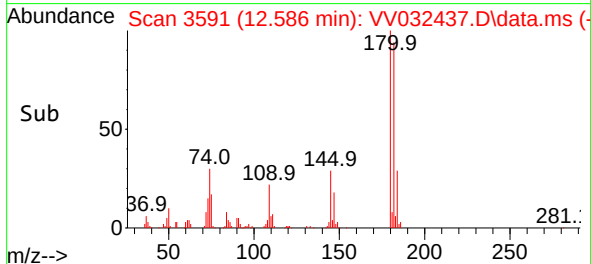
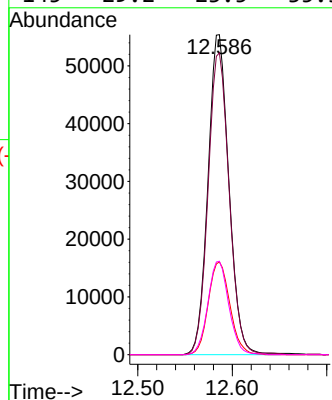
Ion Ratio Lower Upper

180 100

182 94.8 74.6 112.0

184 29.9 24.1 36.1

145 29.2 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 4.993 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. -0.003 min

Lab File: VV032437.D

Acq: 17 Oct 2023 10:13

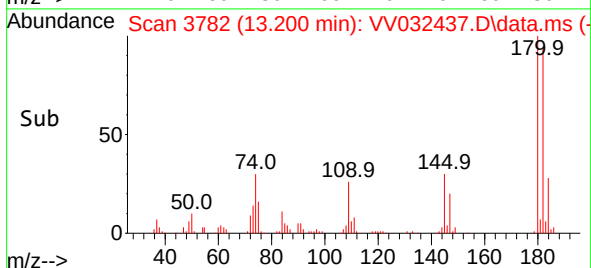
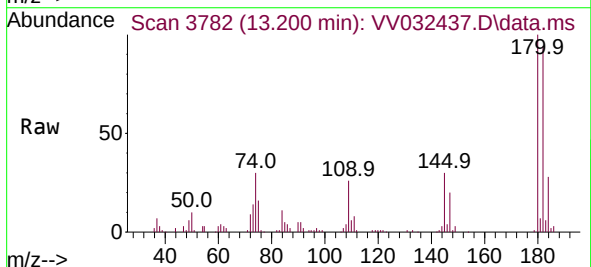
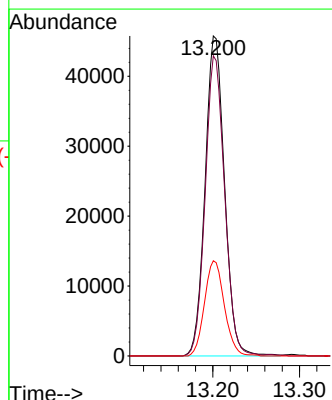
Tgt Ion:180 Resp: 71395

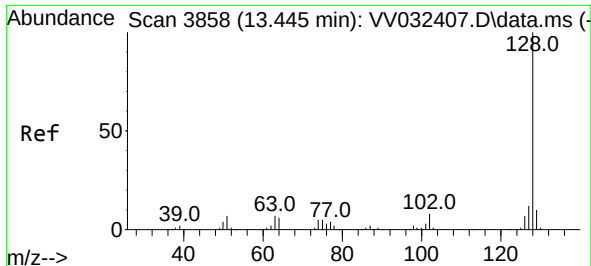
Ion Ratio Lower Upper

180 100

182 93.6 76.5 114.7

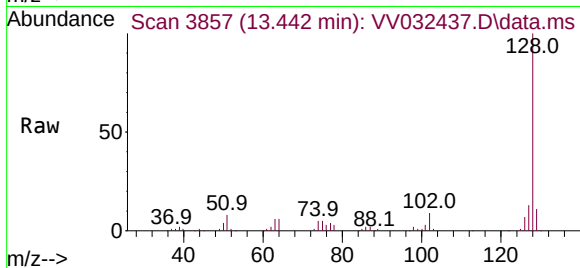
145 30.4 24.3 36.5



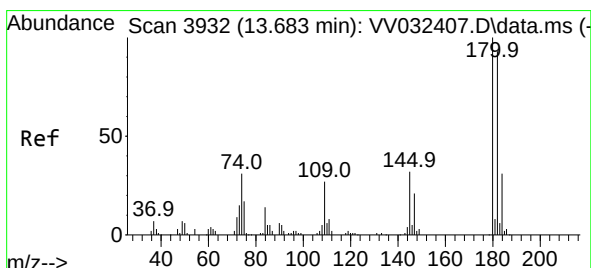
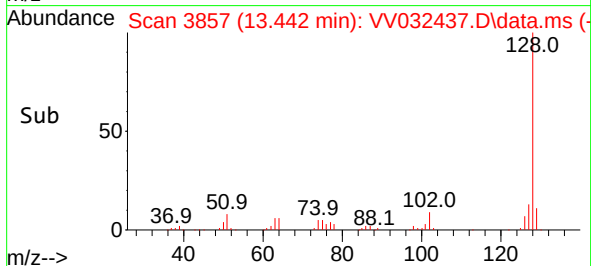
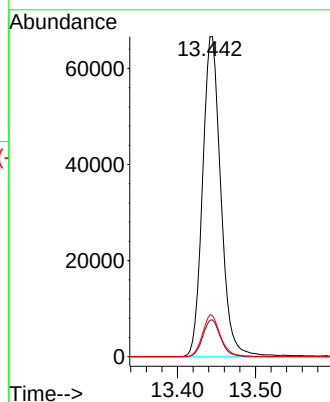


#71
Naphthalene
Concen: 4.461 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.003 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 108370
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.8 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.153 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032437.D
Acq: 17 Oct 2023 10:13

Tgt Ion:180 Resp: 63491
Ion Ratio Lower Upper
180 100
182 97.0 77.0 115.4
145 31.8 25.7 38.5

