

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101823\
 Data File : VW032483.D
 Acq On : 18 Oct 2023 19:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:35:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 19 04:26:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	105132	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	109601	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	57571	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38770	4.534	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.532	69	33557	4.835	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.060	65	16780	4.653	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	3.806	46	90779	41.970	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.940%
24) Chloroform-d	4.253	84	69652	4.618	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	4.947	65	33428	4.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	4.963	84	134569	4.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	5.992	67	41955	3.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.600%
41) Toluene-d8	7.246	98	125875	4.268	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	7.558	79	15196	4.013	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.027	63	78540	44.087	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.180%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	33261	4.450	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	43935	4.113	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	57922	4.944	ug/L	98
3) Chloromethane	1.217	50	58402	4.945	ug/L	99
5) Vinyl chloride	1.282	62	57513	5.106	ug/L	100
6) Bromomethane	1.487	94	26937	3.959	ug/L	99
8) Chloroethane	1.548	64	36960	5.450	ug/L	99
9) Trichlorofluoromethane	1.712	101	74614	5.523	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	45550	5.565	ug/L	99
12) 1,1-Dichloroethene	2.069	96	42398	5.499	ug/L	94
13) Acetone	2.134	43	82465	49.467	ug/L	96
14) Carbon disulfide	2.240	76	117897	4.374	ug/L	100
15) Methyl Acetate	2.384	43	19539	5.206	ug/L	98
16) Methylene chloride	2.449	84	47521	4.727	ug/L	96
17) Methyl tert-butyl Ether	2.703	73	101929	4.856	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	43782	4.957	ug/L	97
19) 1,1-Dichloroethane	3.111	63	88601	5.333	ug/L	98
21) 2-Butanone	3.883	43	120017	46.037	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	47232	4.967	ug/L	96
23) Bromochloromethane	4.153	128	20762	5.190	ug/L	93
25) Chloroform	4.278	83	89728	5.505	ug/L	99

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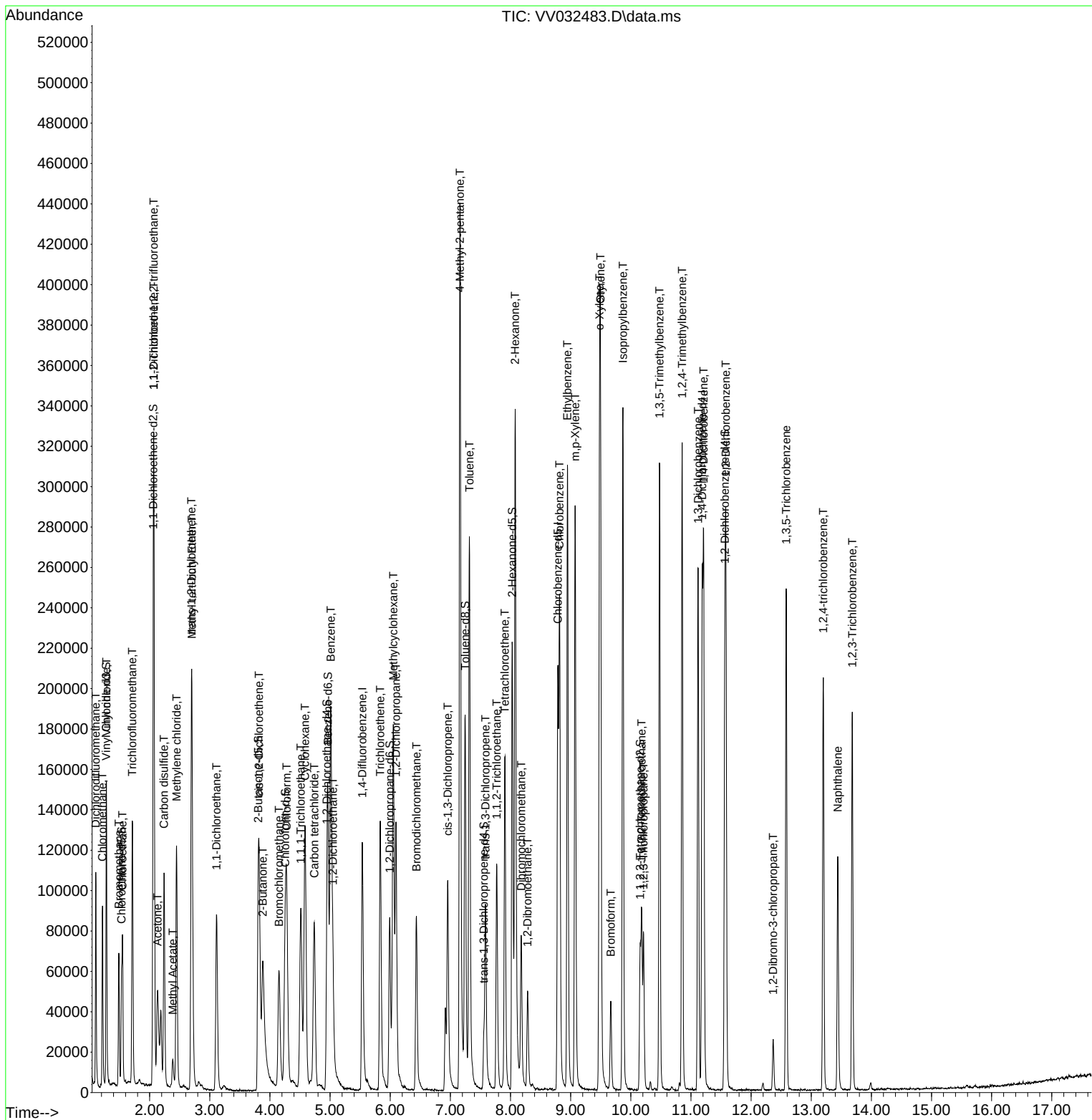
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 MSVOA_V
 ClientSampleId :

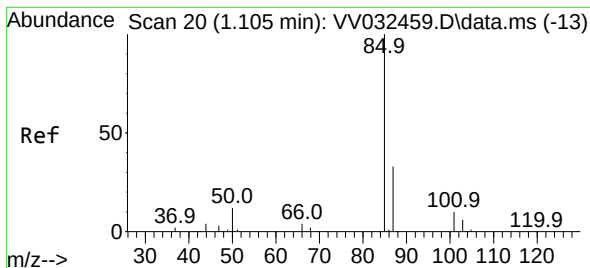
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 19 04:26:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	52644	5.467	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	73475	4.931	ug/L	97
30) Cyclohexane	4.584	56	67869	4.145	ug/L	97
31) Carbon tetrachloride	4.738	117	62382	4.948	ug/L	98
33) Benzene	5.011	78	188157	4.876	ug/L	100
34) Trichloroethene	5.834	95	47166	4.477	ug/L	95
35) Methylcyclohexane	6.053	83	65271	4.004	ug/L	95
37) 1,2-Dichloropropane	6.095	63	49288	4.776	ug/L	99
38) Bromodichloromethane	6.436	83	62239	5.076	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	63651	4.334	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	315484	48.308	ug/L	98
42) Toluene	7.317	91	201029	4.887	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	53939	4.469	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	35840	4.923	ug/L	98
47) Tetrachloroethene	7.905	164	36797	4.606	ug/L	98
48) 2-Hexanone	8.079	43	227197	49.308	ug/L	98
49) Dibromochloromethane	8.178	129	36924	4.872	ug/L	98
50) 1,2-Dibromoethane	8.284	107	32928	4.782	ug/L	98
51) Chlorobenzene	8.815	112	127635	4.819	ug/L	99
52) Ethylbenzene	8.947	91	213951	4.671	ug/L	99
53) m,p-Xylene	9.075	106	80165	4.719	ug/L	97
54) o-Xylene	9.481	106	77417	4.729	ug/L	98
55) Styrene	9.497	104	137184	4.962	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	42902	5.356	ug/L	97
59) Bromoform	9.667	173	19377	4.628	ug/L	98
60) Isopropylbenzene	9.870	105	211731	4.732	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	30765	5.021	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	160762	4.408	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	165023	4.545	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	101453	4.746	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	100878	4.704	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	93042	4.773	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	6207	4.958	ug/L	88
69) 1,3,5-Trichlorobenzene	12.583	180	70250	4.488	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	57849	4.166	ug/L	99
71) Naphthalene	13.442	128	88759	3.763	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	53214	4.448	ug/L	100

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

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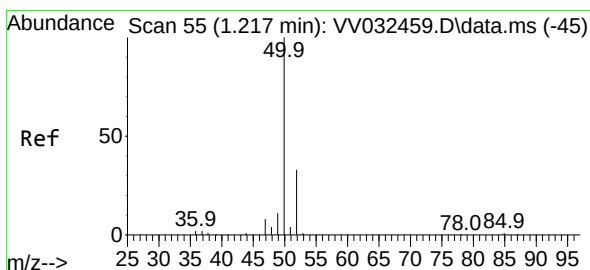
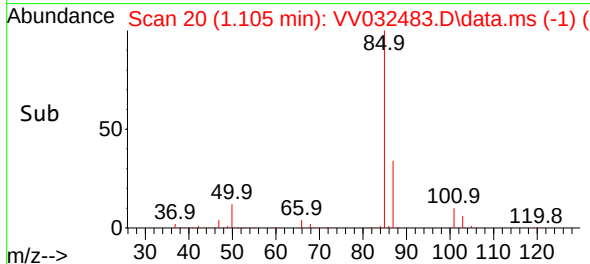
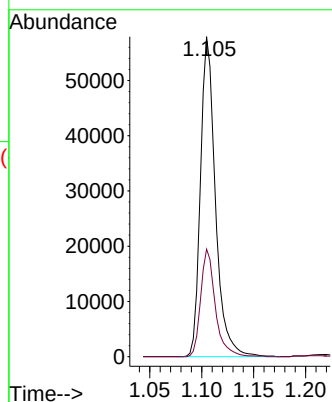
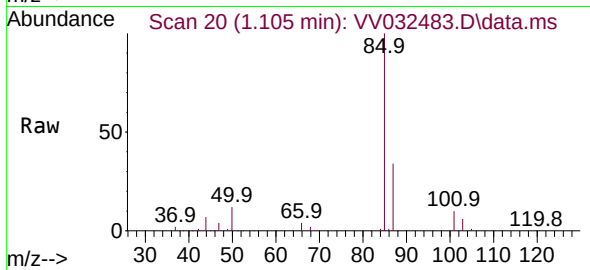




#2
 Dichlorodifluoromethane
 Concen: 4.944 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

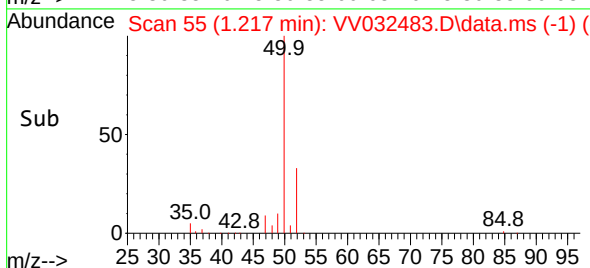
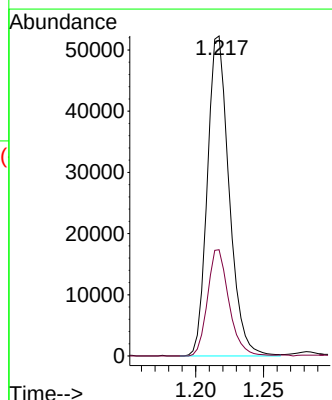
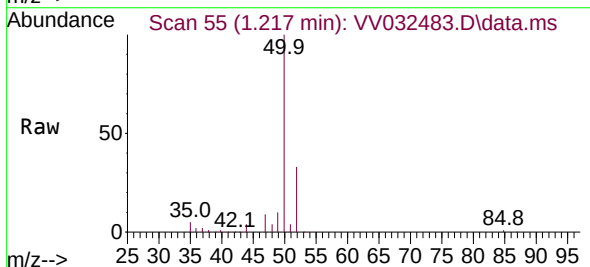
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 MSVOA_V
 ClientSampleId :

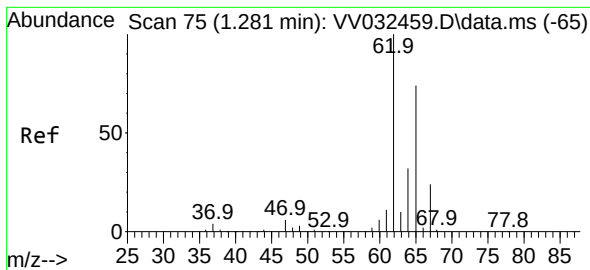
Tgt Ion: 85 Resp: 57922
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.5 38.3



#3
 Chloromethane
 Concen: 4.945 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Tgt Ion: 50 Resp: 58402
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 5.106 ug/L

RT: 1.282 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

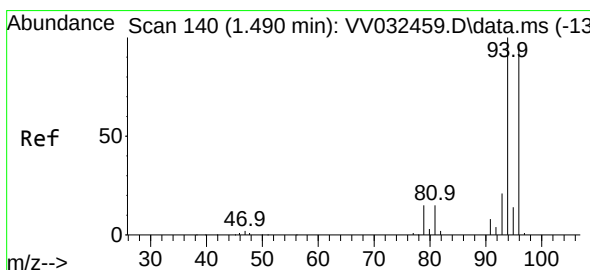
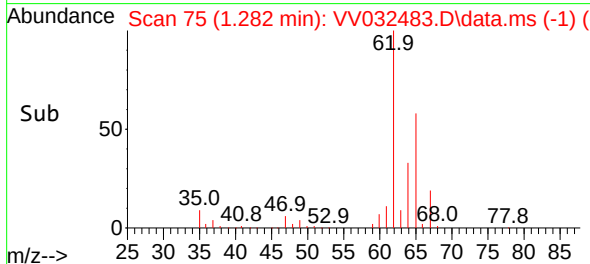
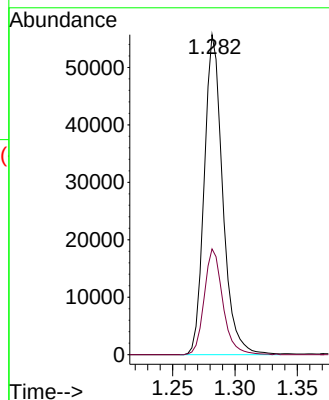
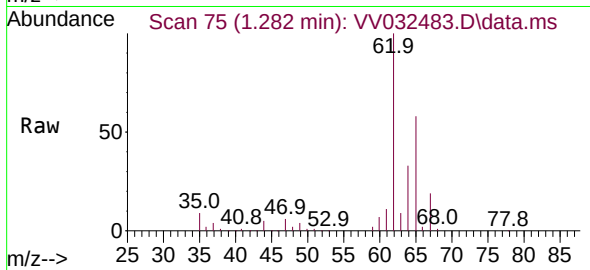
ClientSampleId :

Tgt Ion: 62 Resp: 57513

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 3.959 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV032483.D

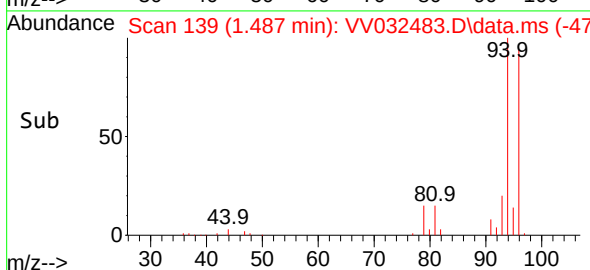
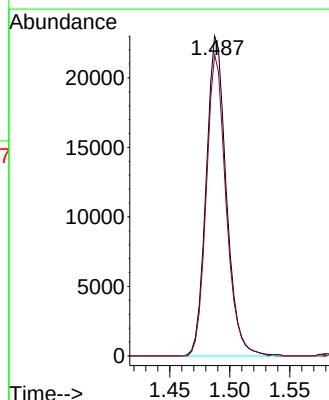
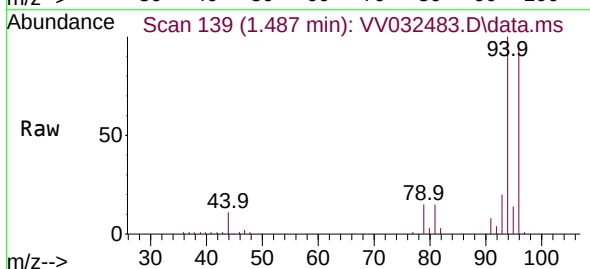
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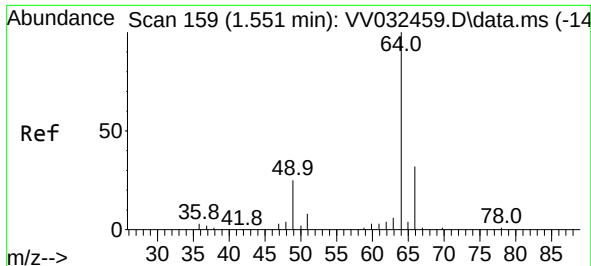
Tgt Ion: 94 Resp: 26937

Ion Ratio Lower Upper

94 100

96 94.2 66.8 124.2

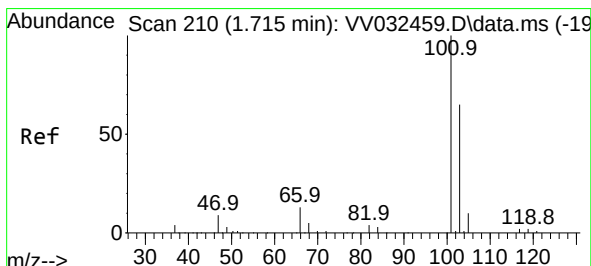
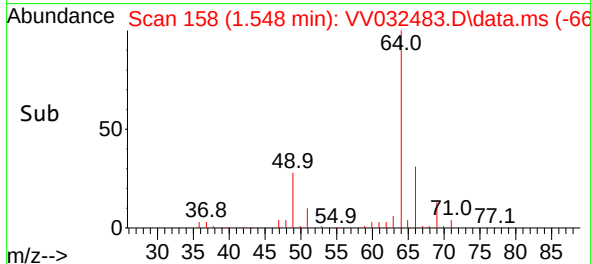
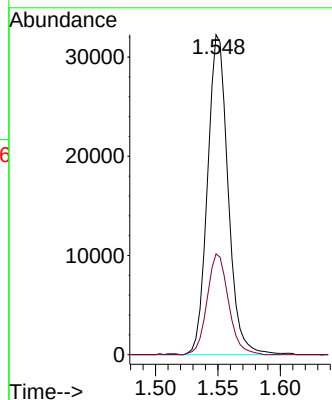
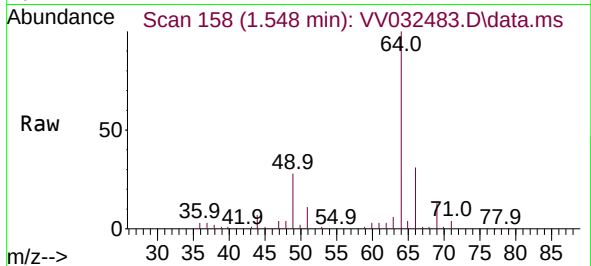




#8
Chloroethane
Concen: 5.450 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

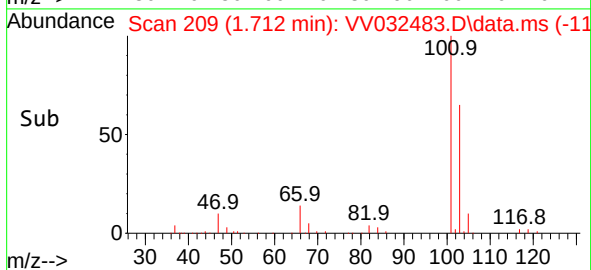
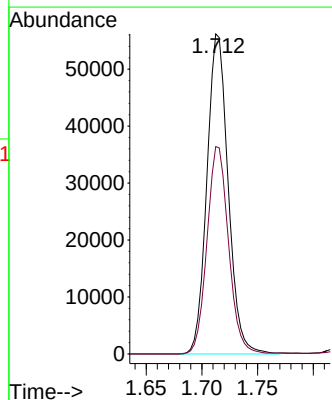
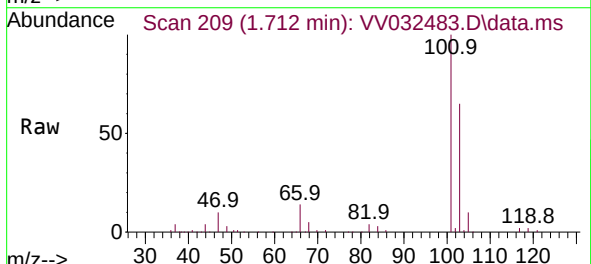
Instrument :
MSVOA_V
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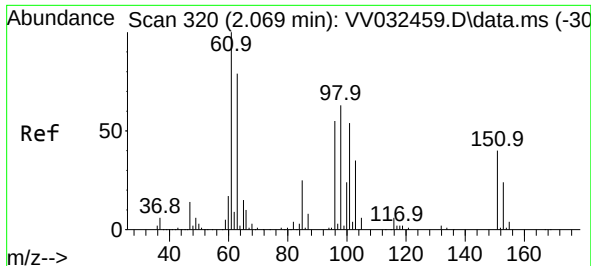
Tgt Ion: 64 Resp: 36960
Ion Ratio Lower Upper
64 100
66 31.5 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.523 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 101 Resp: 74614
Ion Ratio Lower Upper
101 100
103 65.8 51.4 77.2

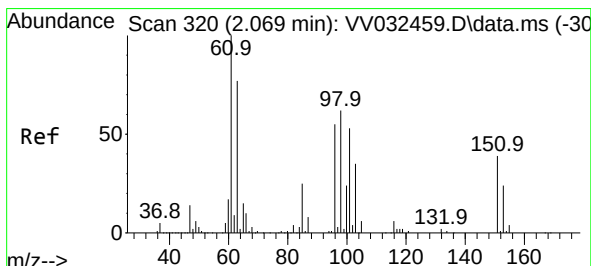
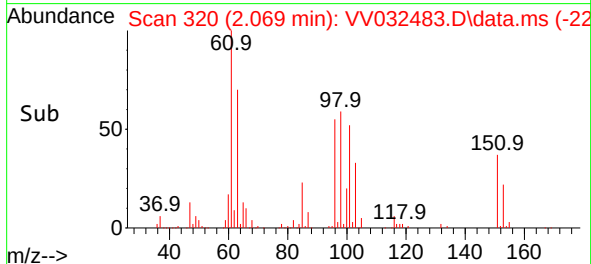
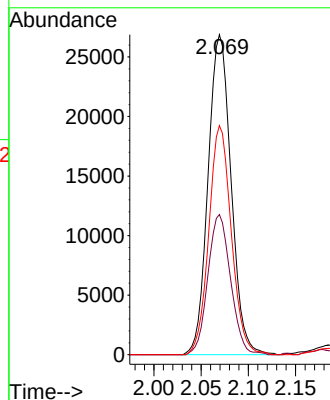
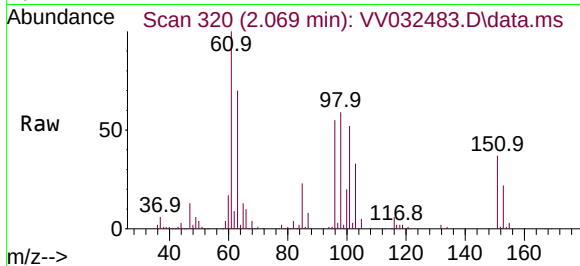




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.565 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

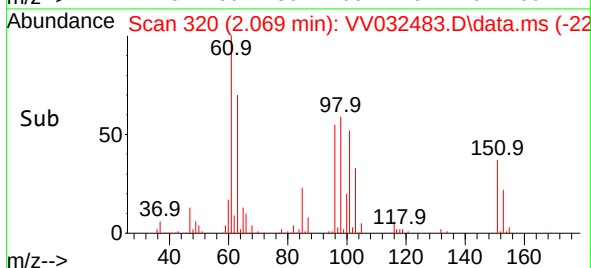
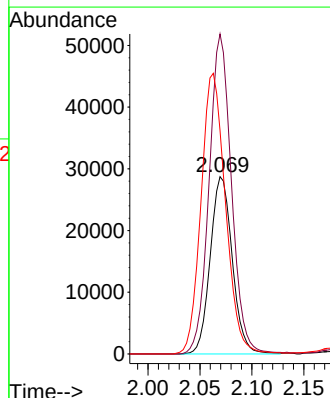
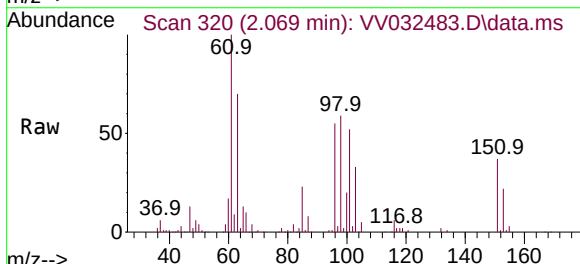
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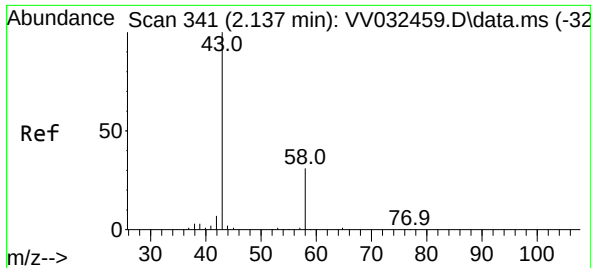
Tgt Ion:101 Resp: 45550
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.0 52.6
 151 70.0 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 5.499 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Tgt Ion: 96 Resp: 42398
 Ion Ratio Lower Upper
 96 100
 61 180.5 127.3 236.3
 63 126.0 98.3 182.7





#13

Acetone

Concen: 49.467 ug/L

RT: 2.134 min Scan# 341

Delta R.T. -0.003 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

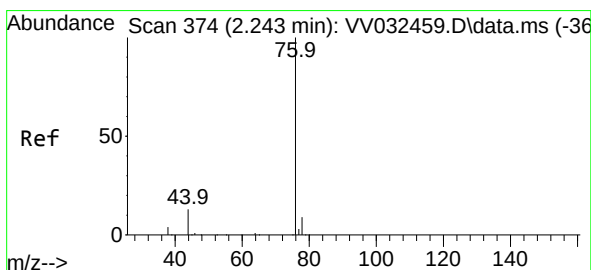
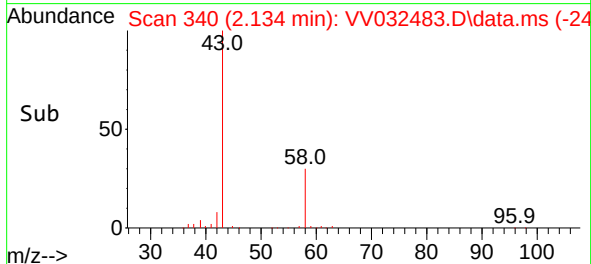
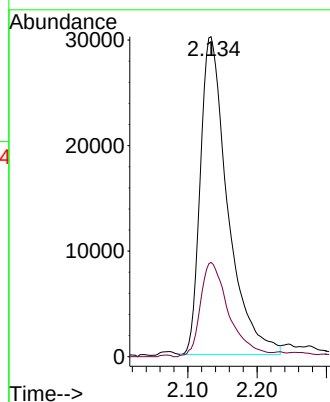
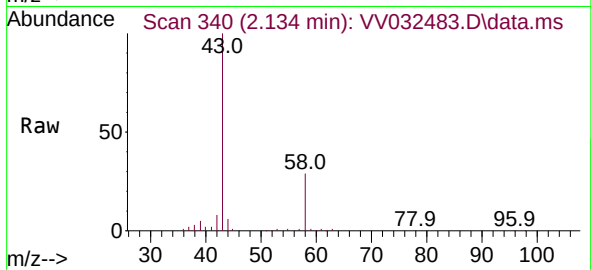
ClientSampleId :

Tgt Ion: 43 Resp: 82465

Ion Ratio Lower Upper

43 100

58 30.9 0.0 66.0



#14

Carbon disulfide

Concen: 4.374 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV032483.D

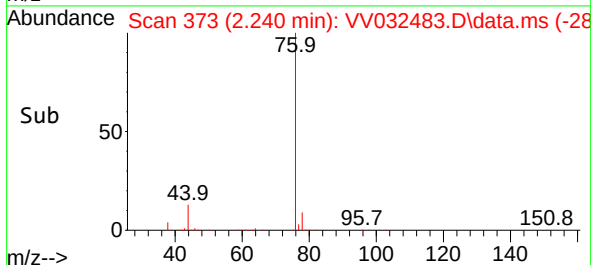
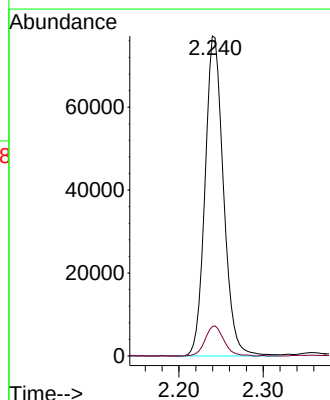
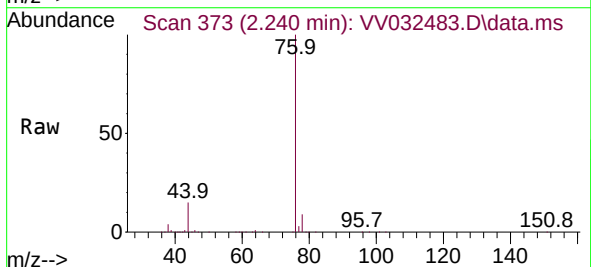
Acq: 18 Oct 2023 19:59

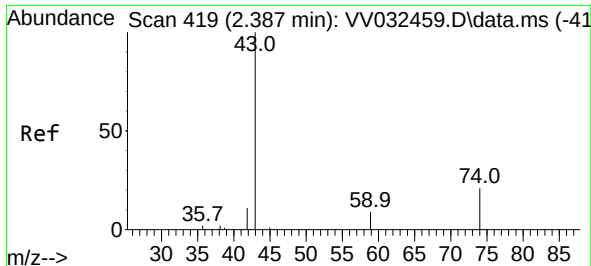
Tgt Ion: 76 Resp: 117897

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

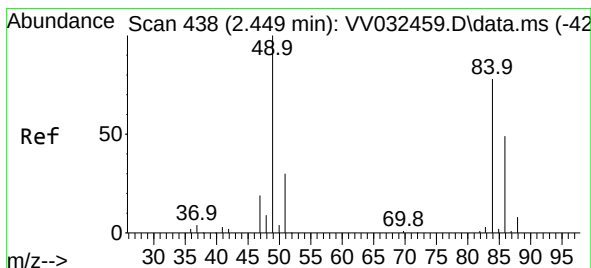
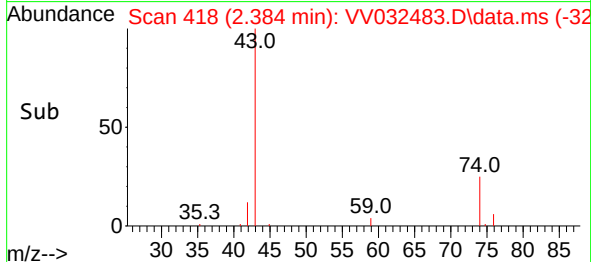
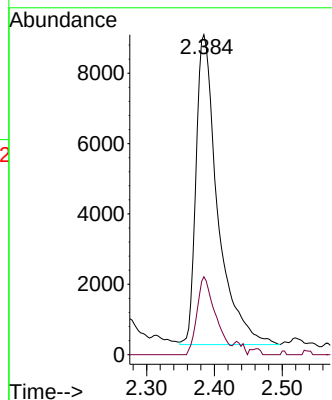
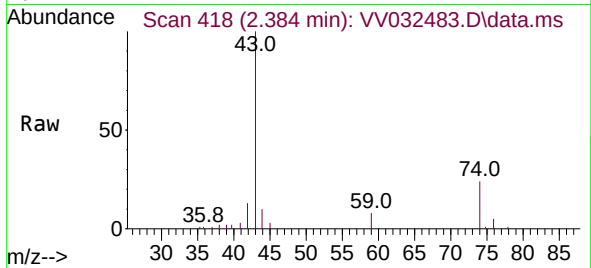




#15
Methyl Acetate
Concen: 5.206 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

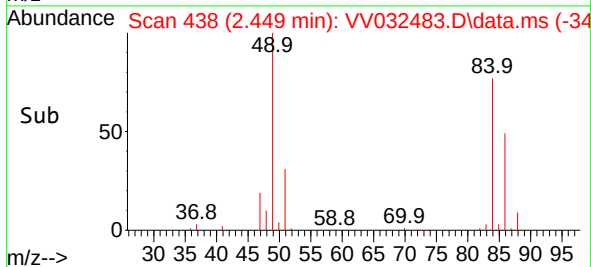
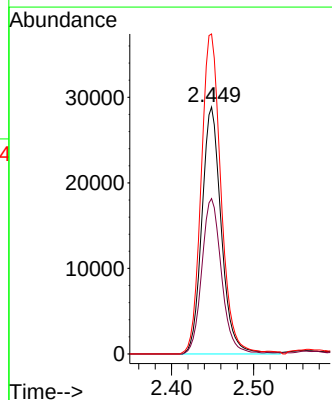
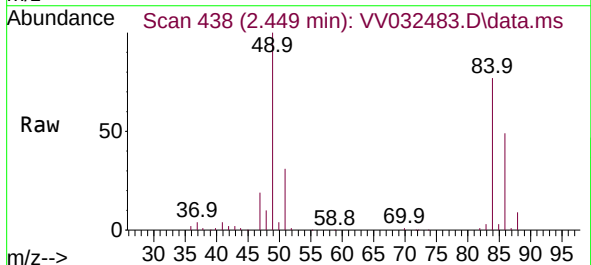
Instrument :
MSVOA_V
ClientSampleId :

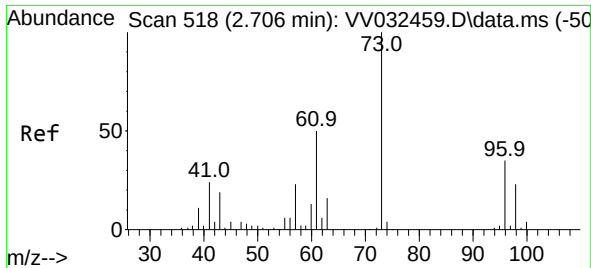
Tgt Ion: 43 Resp: 19539
Ion Ratio Lower Upper
43 100
74 21.4 18.0 27.0



#16
Methylene chloride
Concen: 4.727 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 84 Resp: 47521
Ion Ratio Lower Upper
84 100
86 62.9 43.2 80.2
49 129.6 86.3 160.3

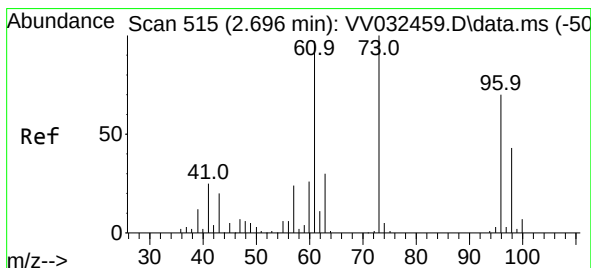
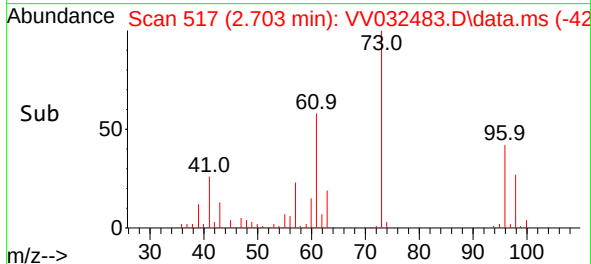
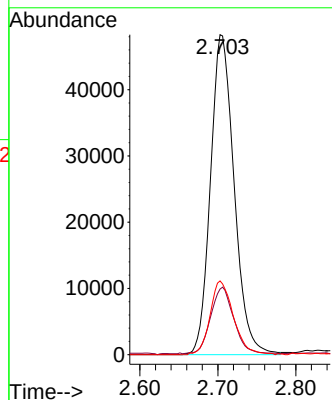
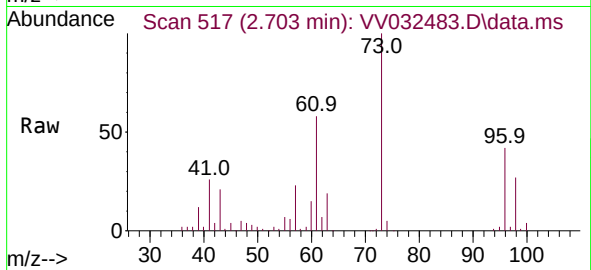




#17
Methyl tert-butyl Ether
Concen: 4.856 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

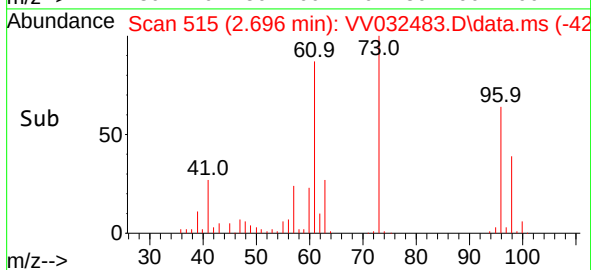
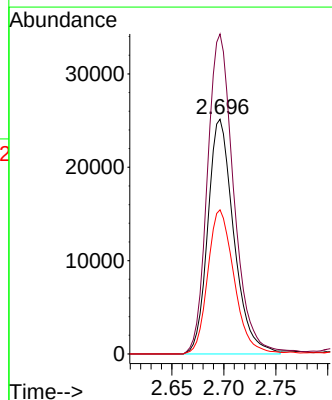
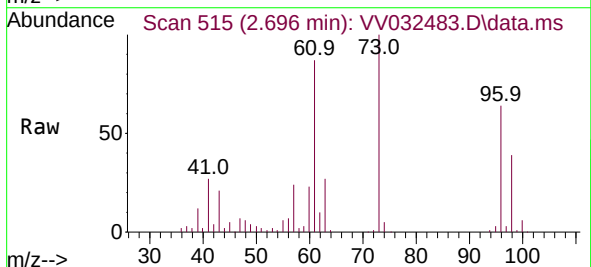
Instrument :
MSVOA_V
ClientSampleId :

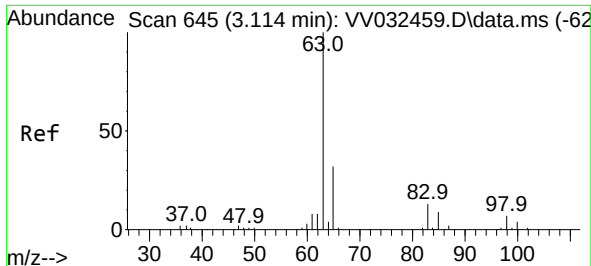
Tgt Ion: 73 Resp: 101929
Ion Ratio Lower Upper
73 100
43 20.2 15.1 22.7
57 22.7 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.957 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 96 Resp: 43782
Ion Ratio Lower Upper
96 100
61 136.3 96.9 180.1
98 61.4 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.333 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

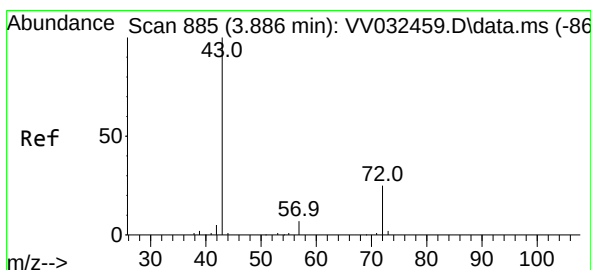
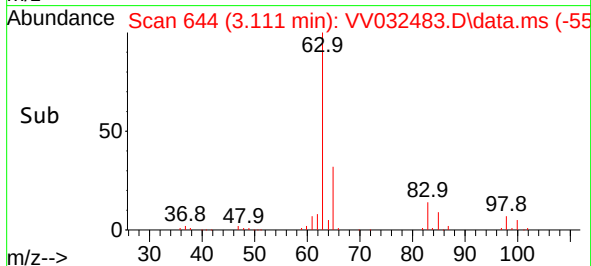
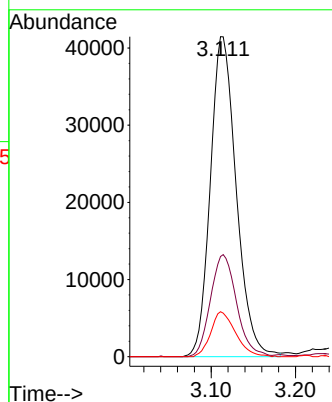
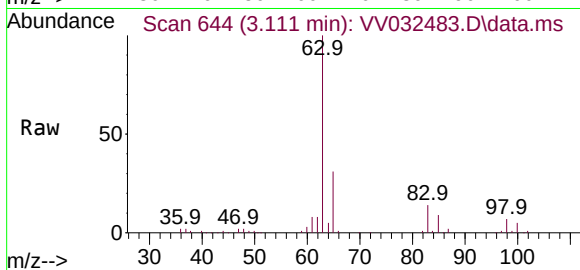
Tgt Ion: 63 Resp: 88601

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 14.0 9.0 16.6



#21

2-Butanone

Concen: 46.037 ug/L

RT: 3.883 min Scan# 884

Delta R.T. -0.003 min

Lab File: VV032483.D

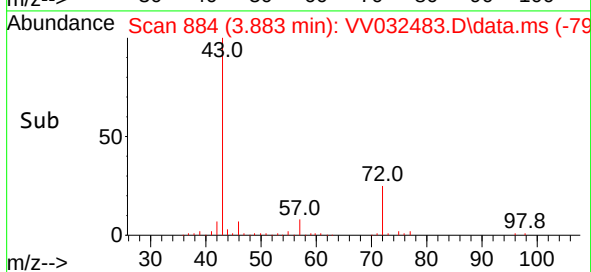
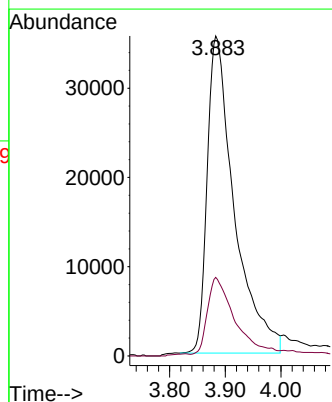
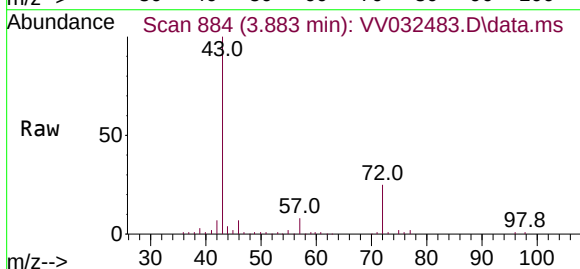
Acq: 18 Oct 2023 19:59

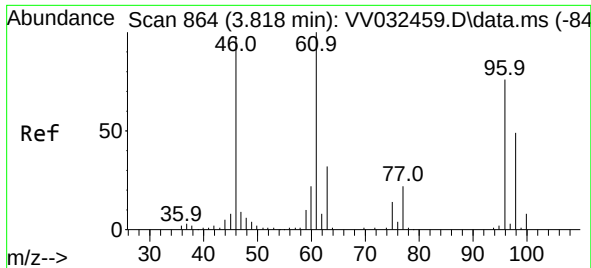
Tgt Ion: 43 Resp: 120017

Ion Ratio Lower Upper

43 100

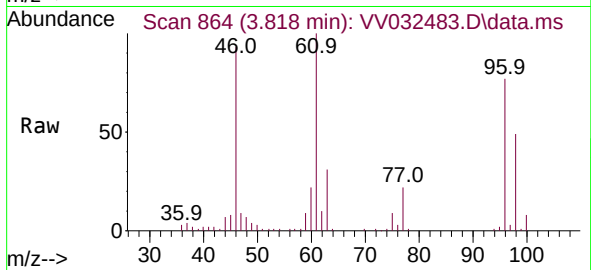
72 24.4 11.6 34.8





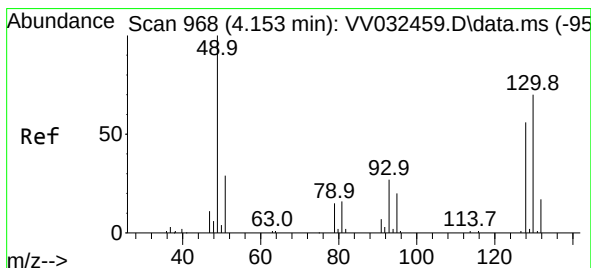
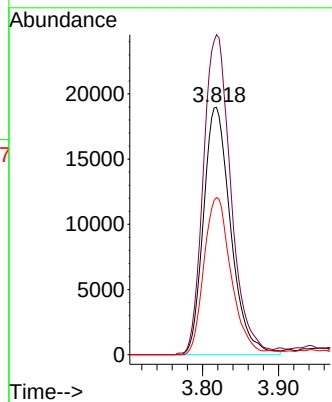
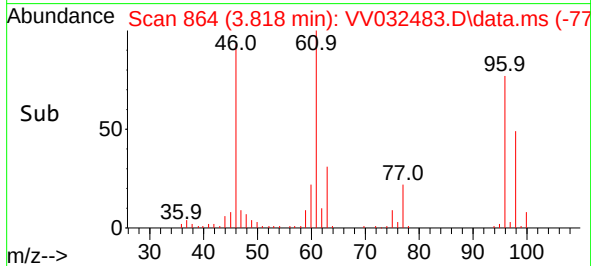
#22
 cis-1,2-Dichloroethene
 Concen: 4.967 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 47232

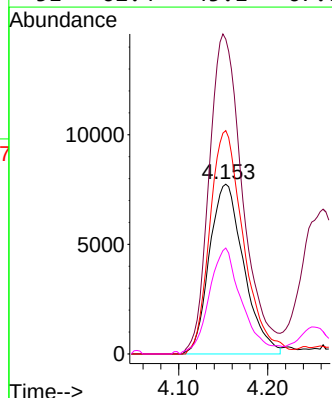
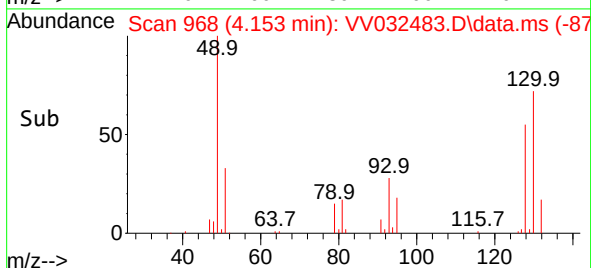
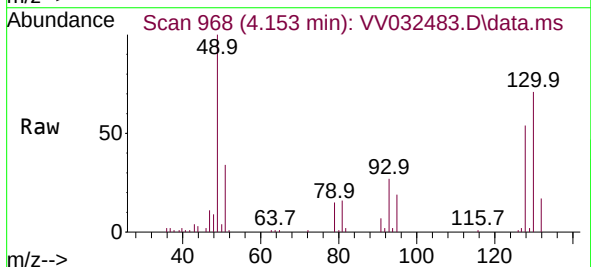
Ion	Ratio	Lower	Upper
96	100		
61	129.3	85.8	159.4
98	63.5	44.0	81.6

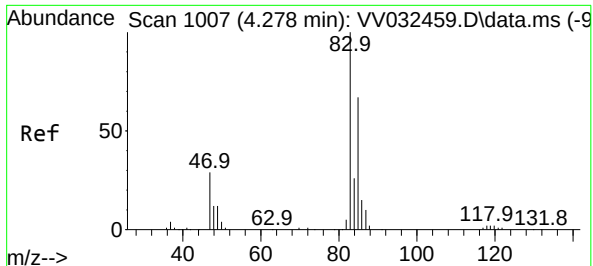


#23
 Bromochloromethane
 Concen: 5.190 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Tgt Ion: 128 Resp: 20762

Ion	Ratio	Lower	Upper
128	100		
49	185.3	121.2	225.0
130	131.5	88.2	163.8
51	62.4	45.1	67.7

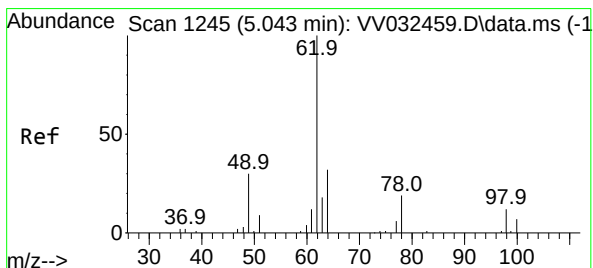
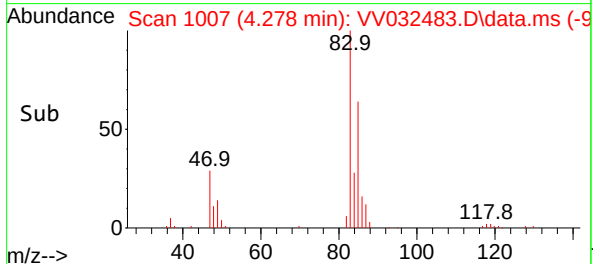
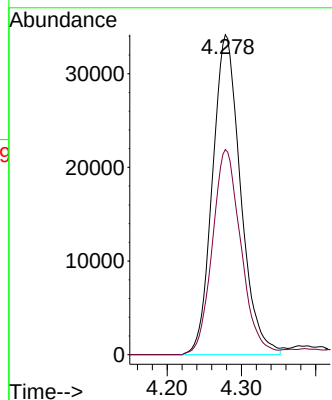
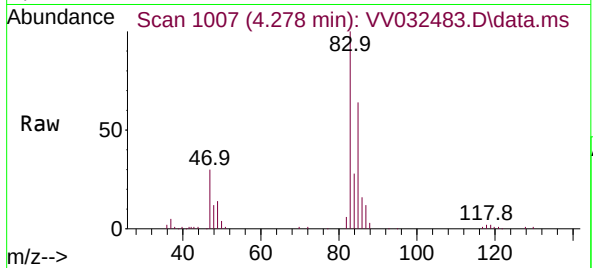




#25
Chloroform
Concen: 5.505 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

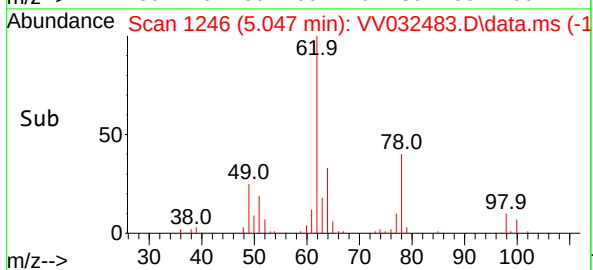
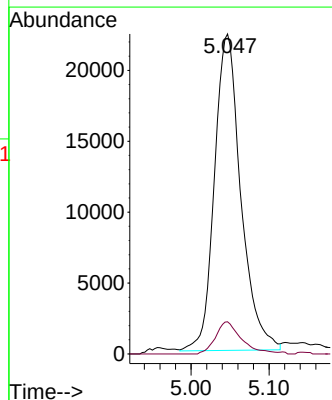
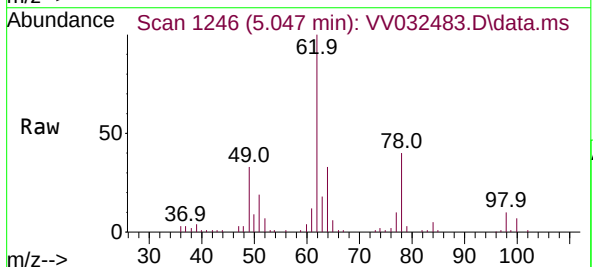
Instrument :
MSVOA_V
ClientSampleId :

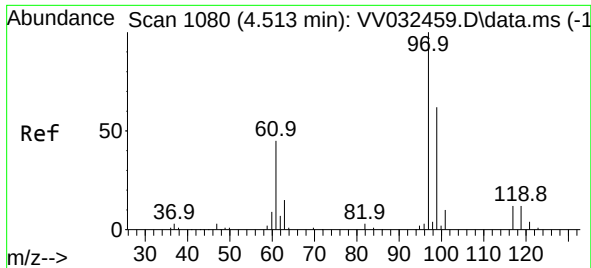
Tgt Ion: 83 Resp: 89728
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.467 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 62 Resp: 52644
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8

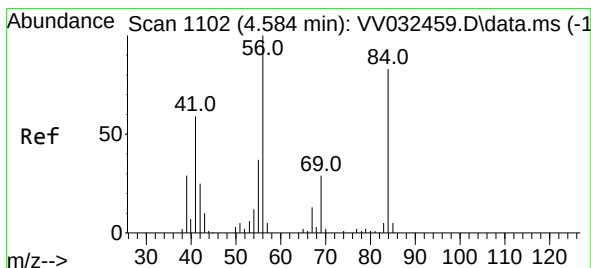
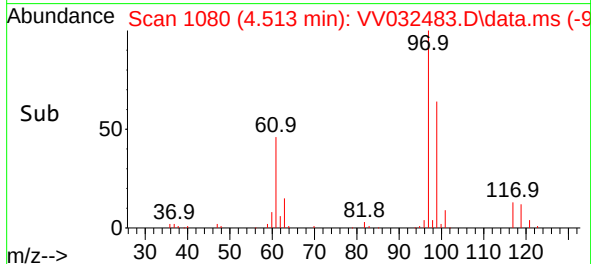
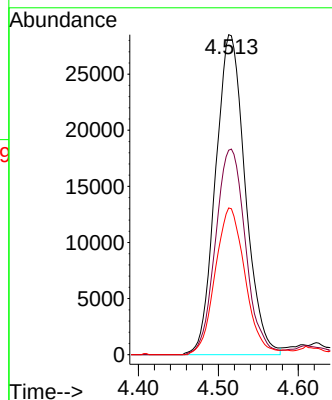
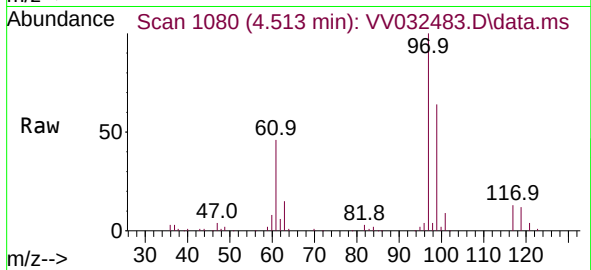




#29
1,1,1-Trichloroethane
Concen: 4.931 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

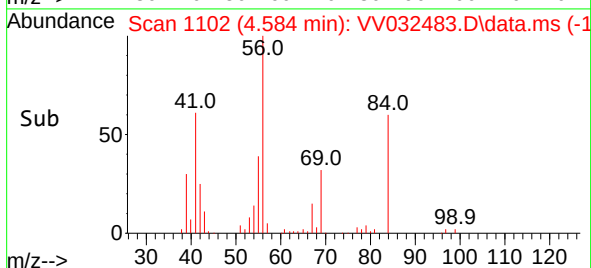
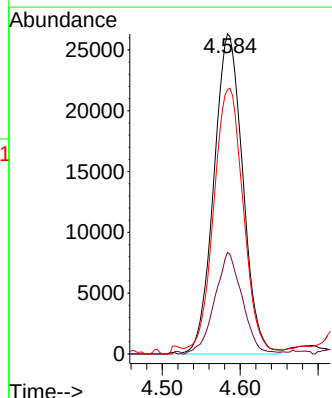
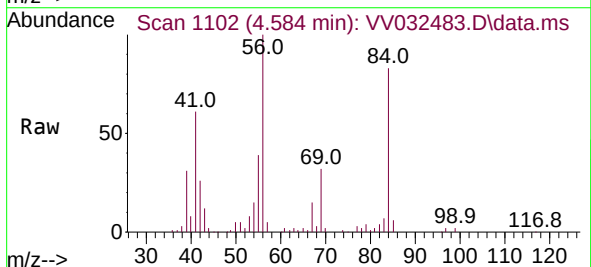
Instrument :
MSVOA_V
ClientSampleId :

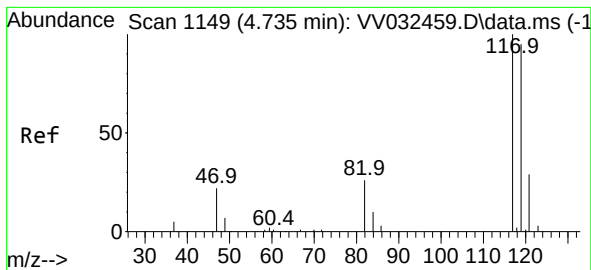
Tgt Ion: 97 Resp: 73475
Ion Ratio Lower Upper
97 100
99 65.0 50.1 75.1
61 46.2 35.1 52.7



#30
Cyclohexane
Concen: 4.145 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 56 Resp: 67869
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.2
84 81.9 68.1 102.1





#31

Carbon tetrachloride

Concen: 4.948 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

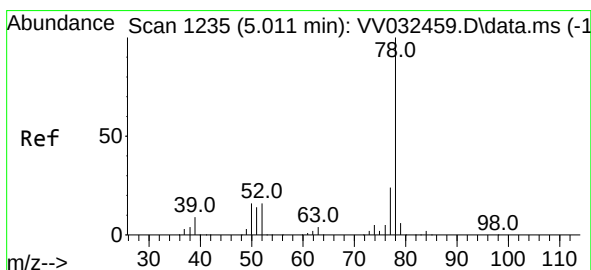
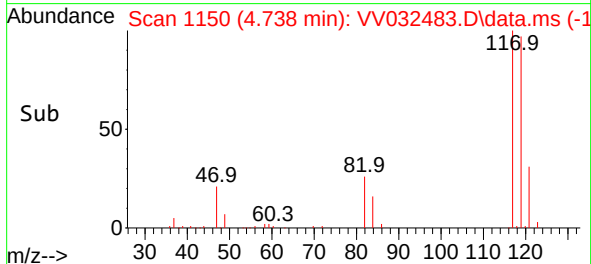
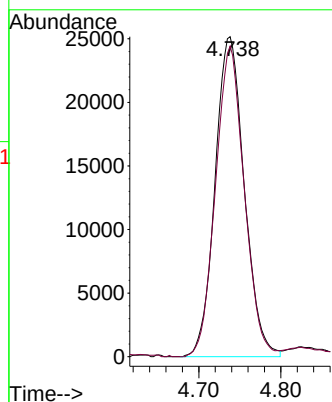
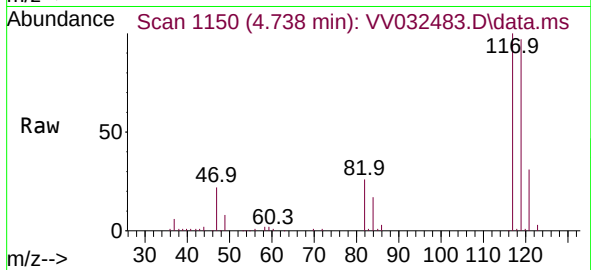
ClientSampleId :

Tgt Ion:117 Resp: 62382

Ion Ratio Lower Upper

117 100

119 95.2 77.6 116.4



#33

Benzene

Concen: 4.876 ug/L

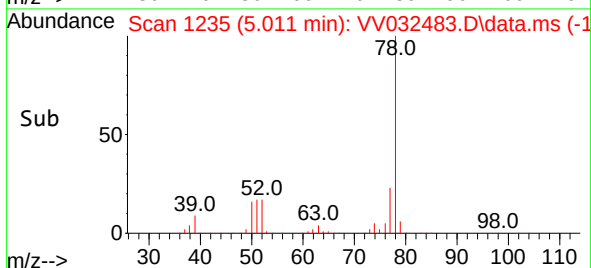
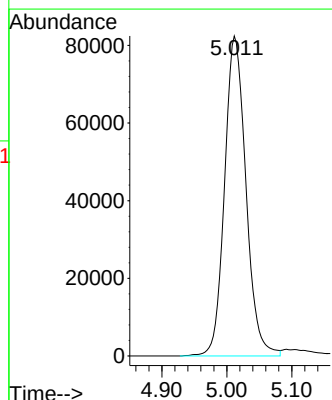
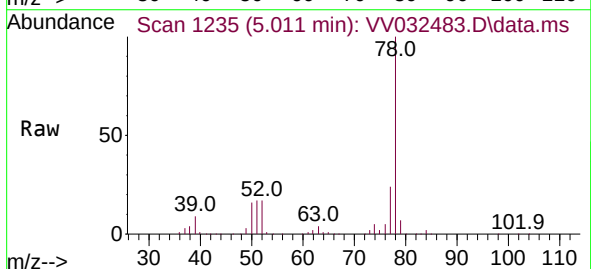
RT: 5.011 min Scan# 1235

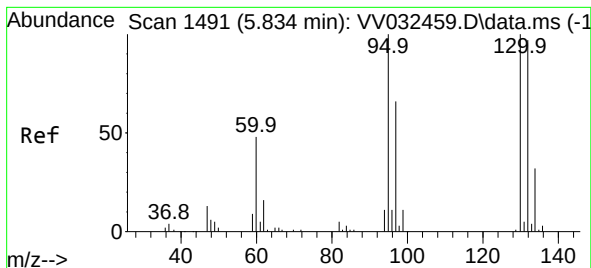
Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Tgt Ion: 78 Resp: 188157





#34

Trichloroethene

Concen: 4.477 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 47166

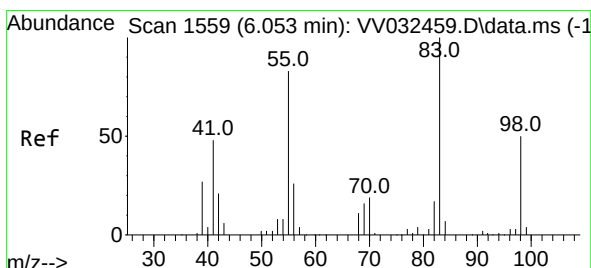
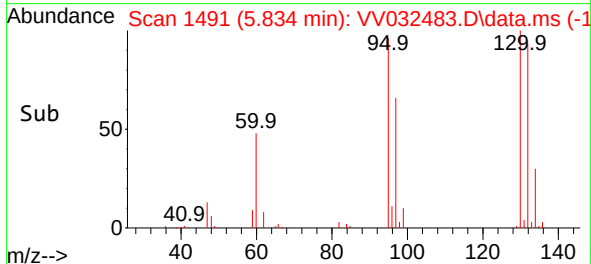
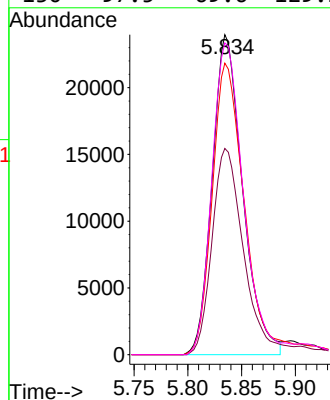
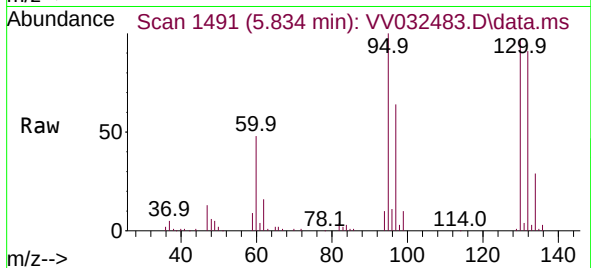
Ion Ratio Lower Upper

95 100

97 64.4 45.7 84.9

132 91.1 70.3 130.5

130 97.5 69.6 129.2



#35

Methylcyclohexane

Concen: 4.004 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

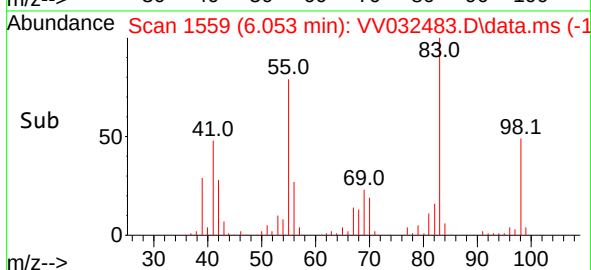
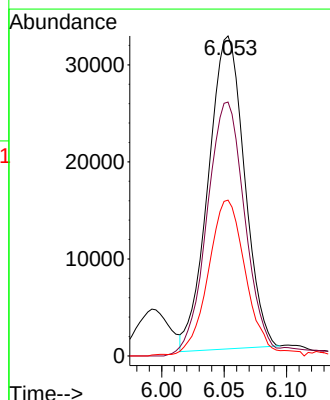
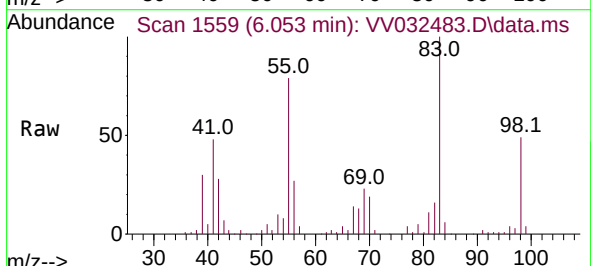
Tgt Ion: 83 Resp: 65271

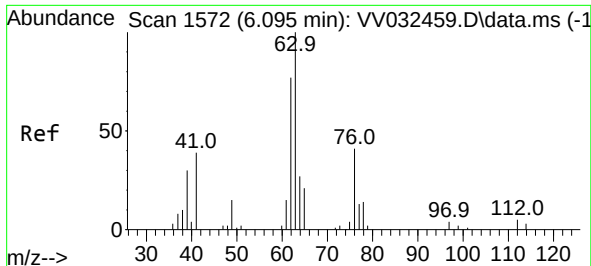
Ion Ratio Lower Upper

83 100

55 85.3 64.2 96.2

98 52.2 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.776 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

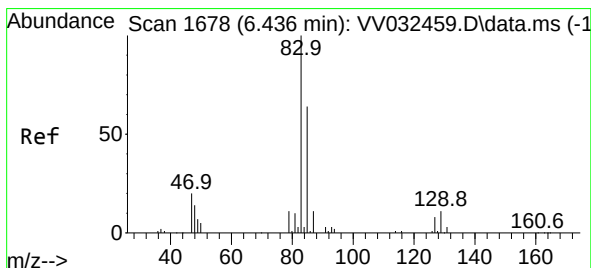
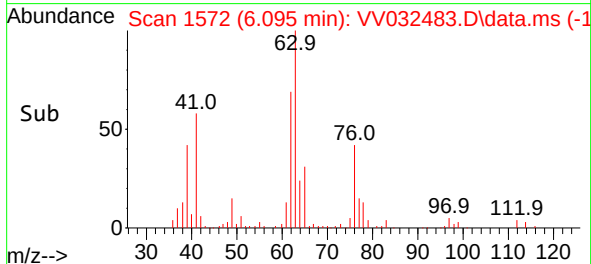
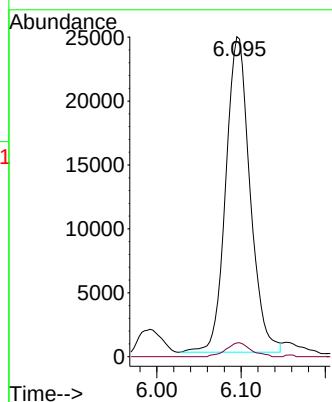
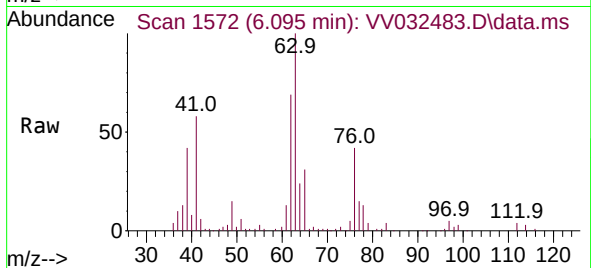
ClientSampleId :

Tgt Ion: 63 Resp: 49288

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#38

Bromodichloromethane

Concen: 5.076 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

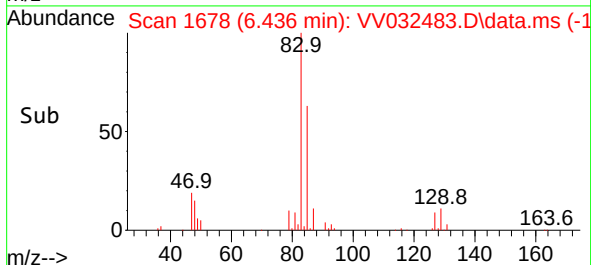
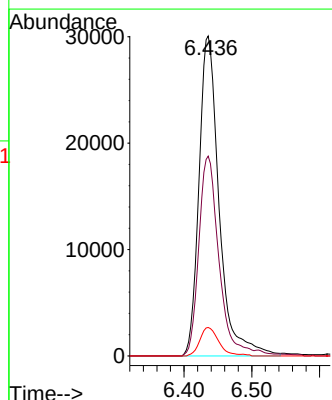
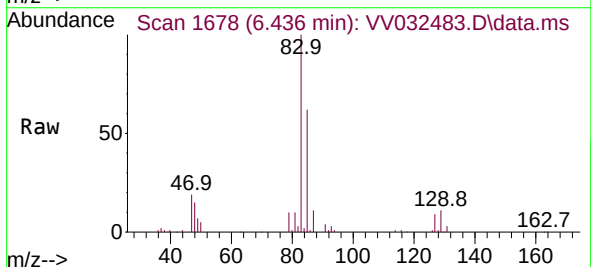
Tgt Ion: 83 Resp: 62239

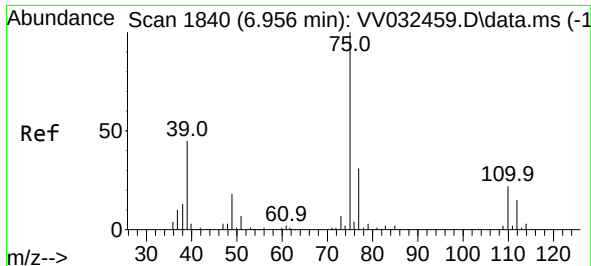
Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.3

127 8.9 6.9 10.3

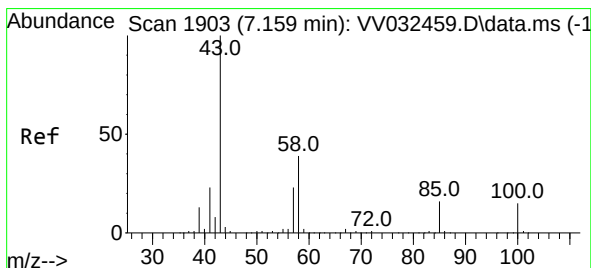
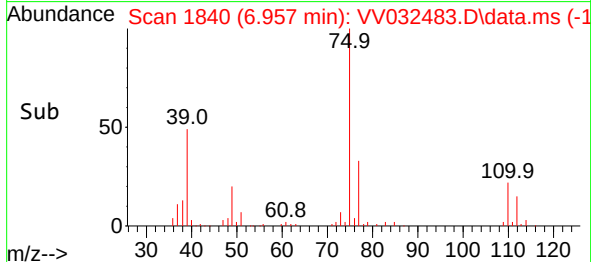
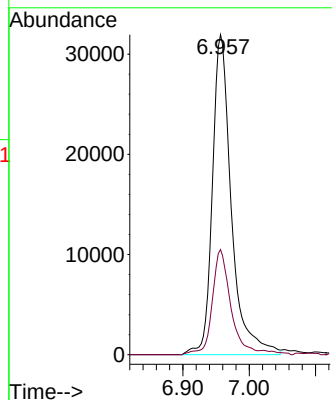
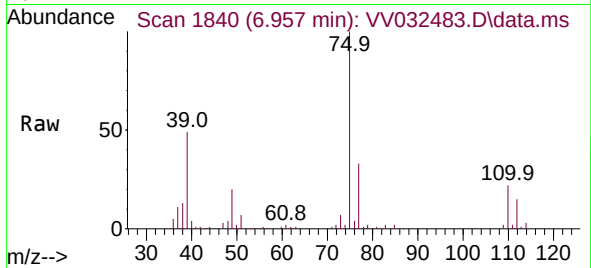




#39
 cis-1,3-Dichloropropene
 Concen: 4.334 ug/L
 RT: 6.957 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

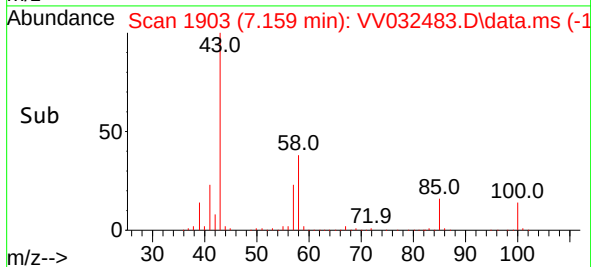
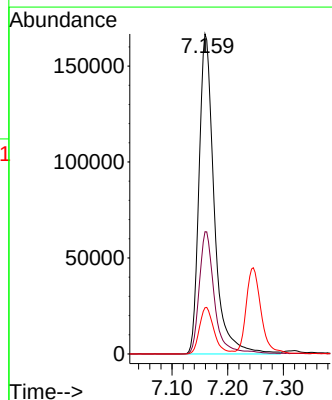
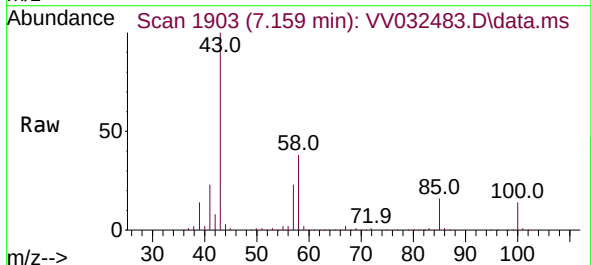
Instrument :
 MSVOA_V
 ClientSampleId :

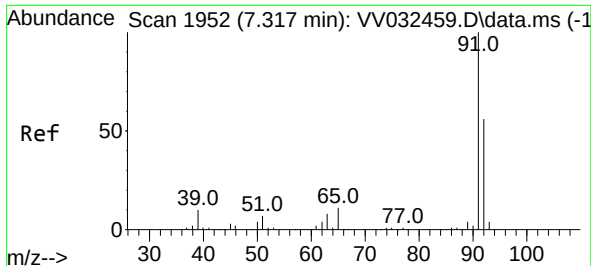
Tgt Ion: 75 Resp: 63651
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 48.308 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Tgt Ion: 43 Resp: 315484
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.9 47.9
 100 14.1 11.3 16.9





#42

Toluene

Concen: 4.887 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

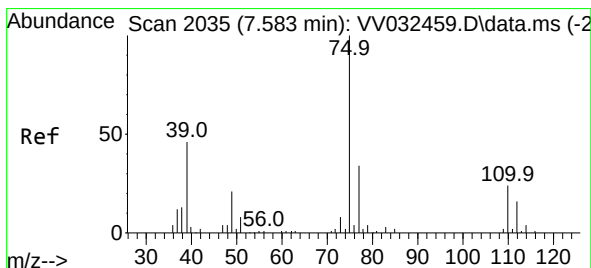
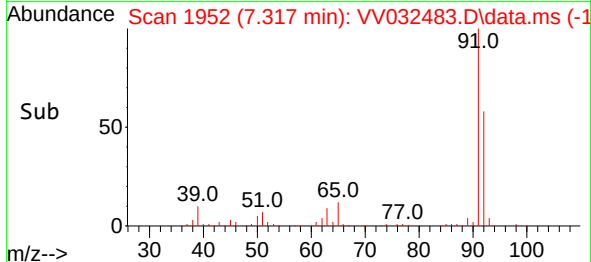
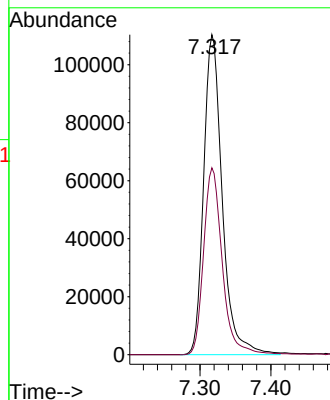
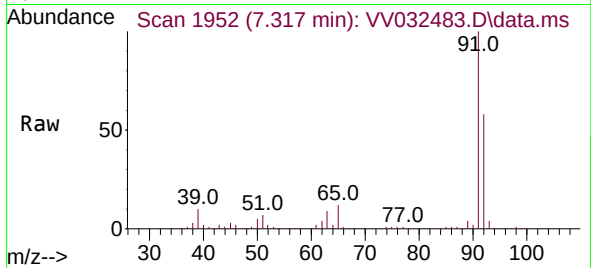
ClientSampleId :

Tgt Ion: 91 Resp: 201029

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.469 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032483.D

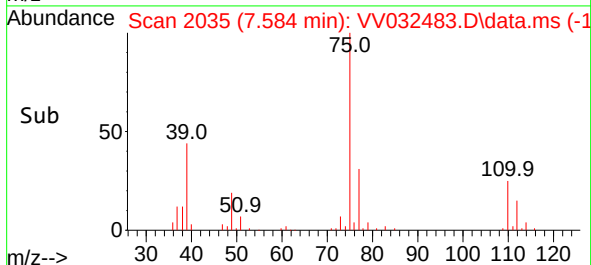
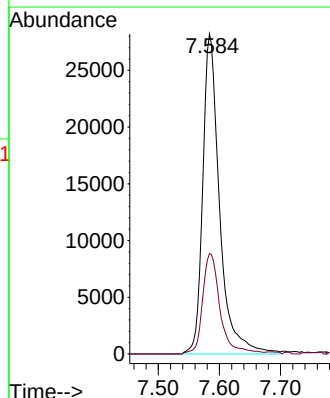
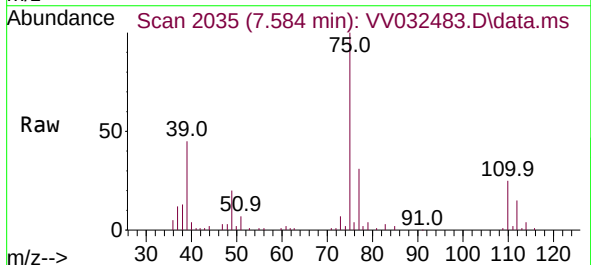
Acq: 18 Oct 2023 19:59

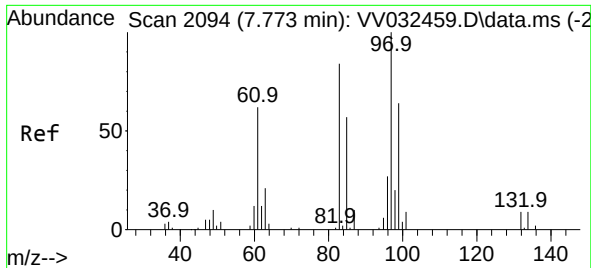
Tgt Ion: 75 Resp: 53939

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

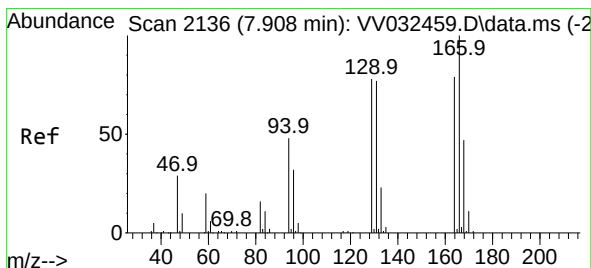
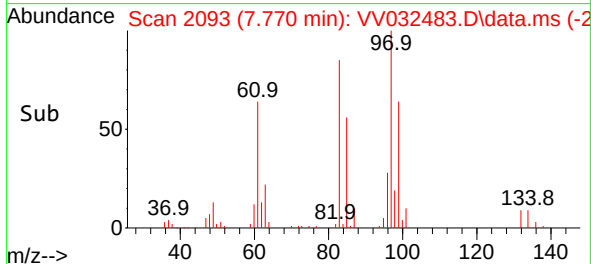
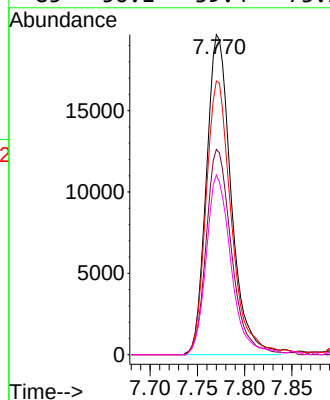
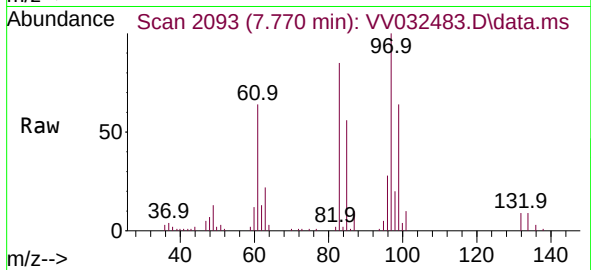




#45
1,1,2-Trichloroethane
Concen: 4.923 ug/L
RT: 7.770 min Scan# 2094
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

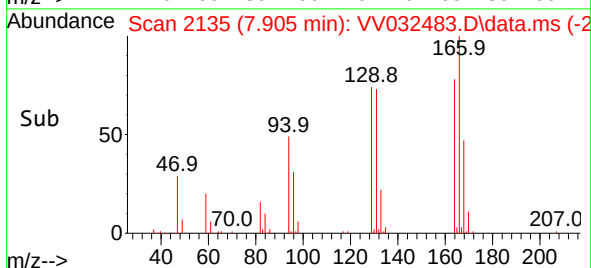
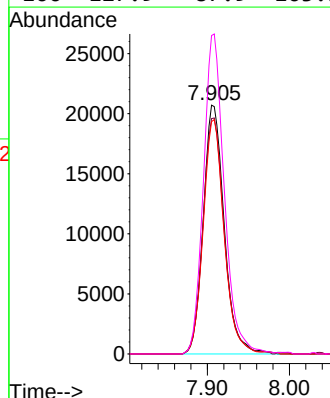
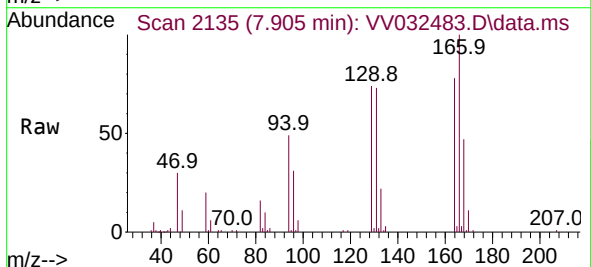
Instrument : MSVOA_V
ClientSampleId :

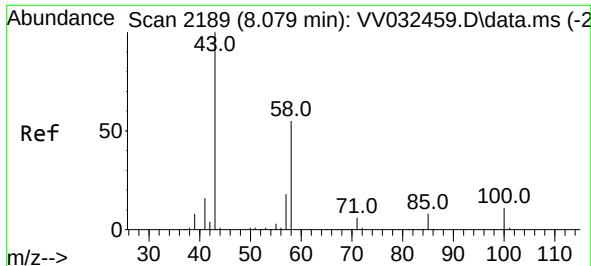
Tgt Ion: 97	Resp: 35840
Ion Ratio	Lower Upper
97 100	
99 64.1	42.8 79.4
83 85.5	60.9 113.1
85 56.1	39.4 73.2



#47
Tetrachloroethene
Concen: 4.606 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt	Ion:164	Resp:	36797
Ion	Ratio	Lower	Upper
164	100		
129	94.6	66.4	123.4
131	93.4	63.7	118.3
166	127.9	87.9	163.3



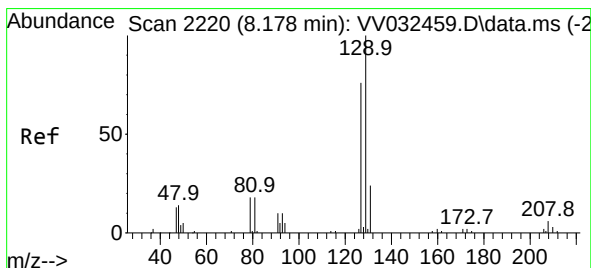
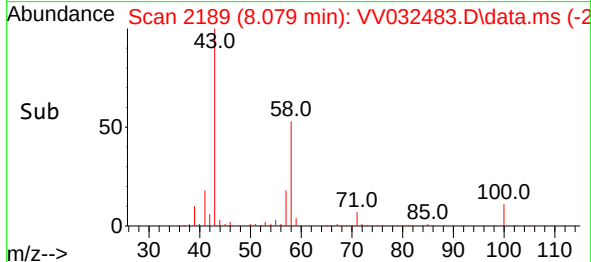
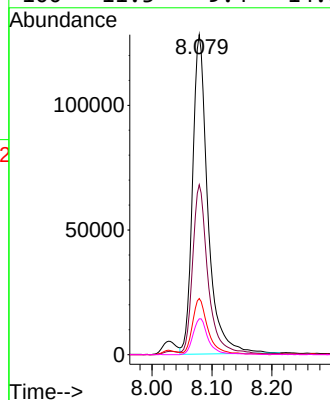
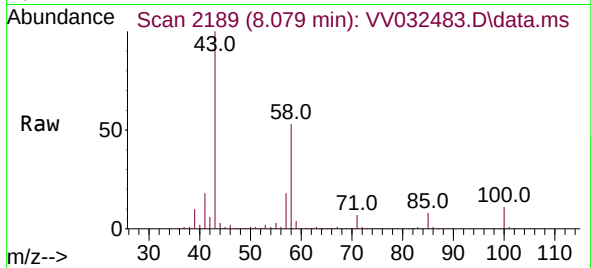


#48
2-Hexanone
Concen: 49.308 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 227197

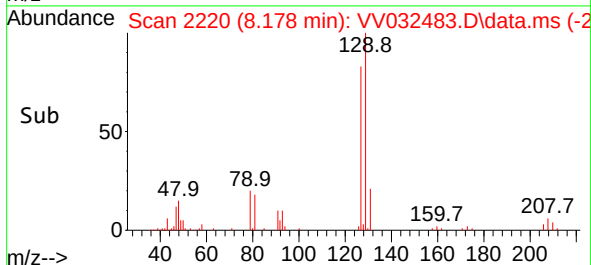
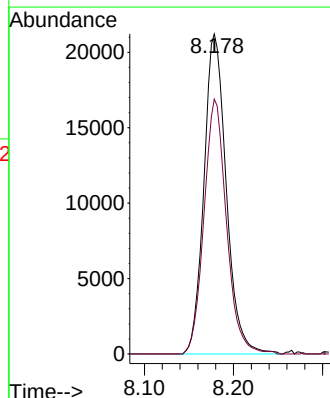
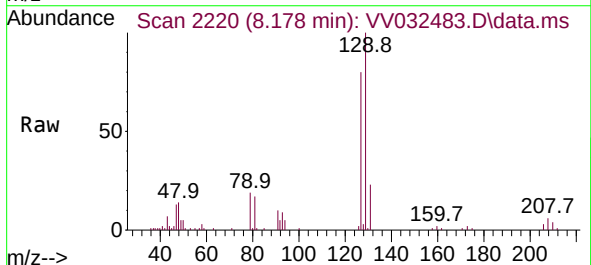
Ion	Ratio	Lower	Upper
43	100		
58	53.1	43.6	65.4
57	17.3	14.6	22.0
100	11.3	9.4	14.0

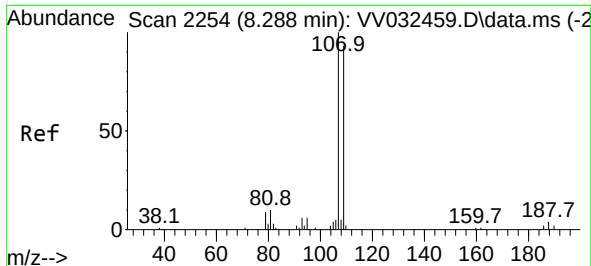


#49
Dibromochloromethane
Concen: 4.872 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 129 Resp: 36924

Ion	Ratio	Lower	Upper
129	100		
127	79.6	57.2	106.2





#50

1,2-Dibromoethane

Concen: 4.782 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032483.D

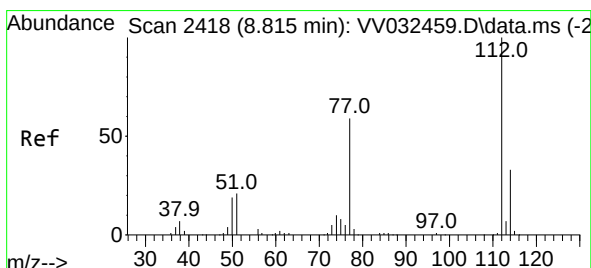
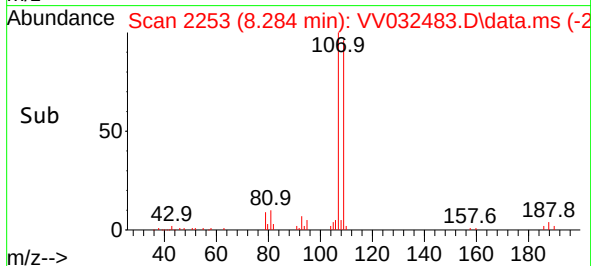
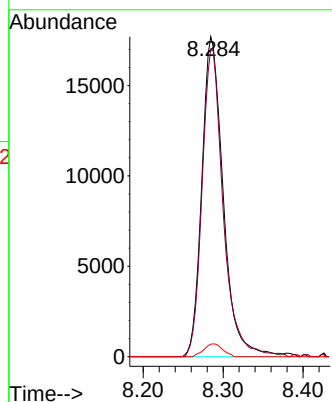
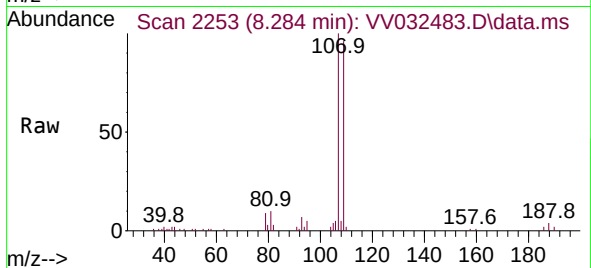
Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	32928
Ion	Ratio	Lower	Upper
107	100		
109	96.2	68.4	127.0
188	3.9	3.2	4.8



#51

Chlorobenzene

Concen: 4.819 ug/L

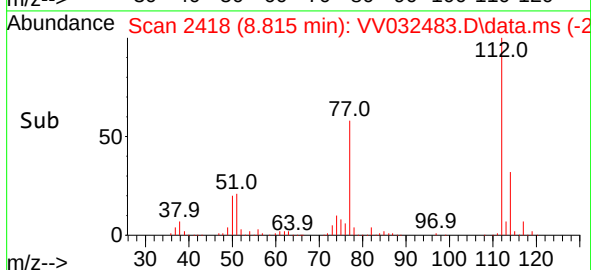
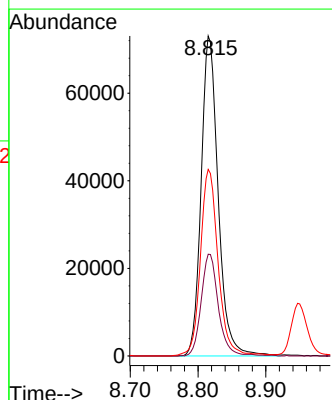
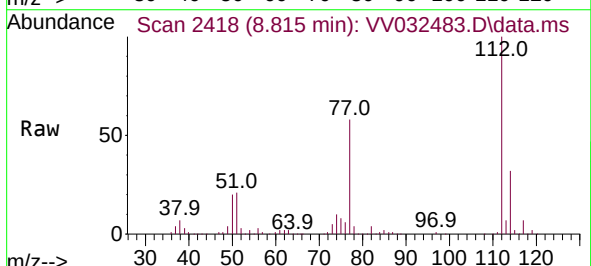
RT: 8.815 min Scan# 2418

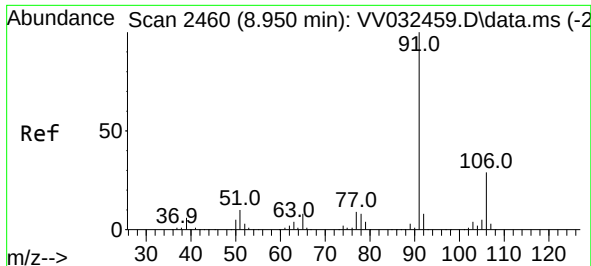
Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Tgt Ion:	112	Resp:	127635
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	58.3	46.1	69.1

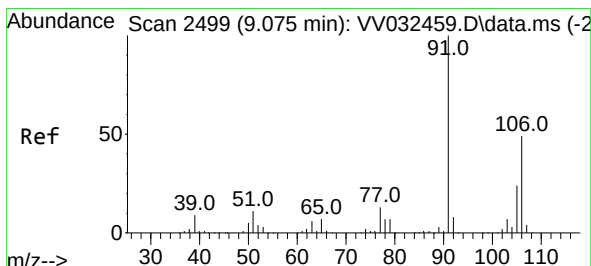
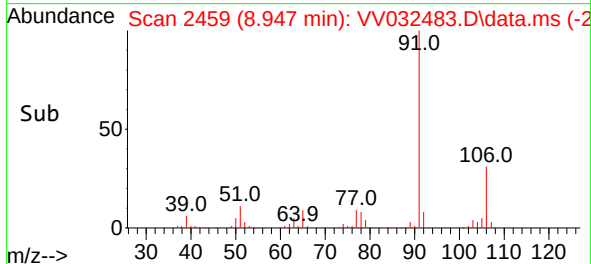
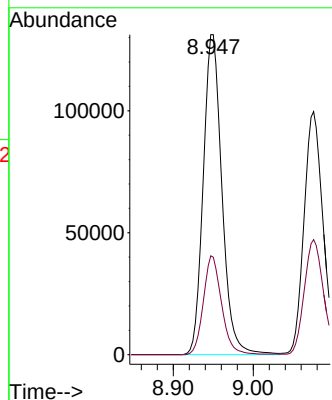
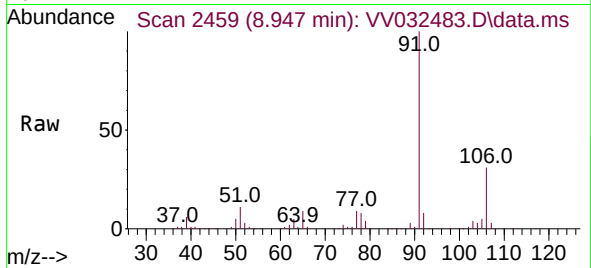




#52
Ethylbenzene
Concen: 4.671 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

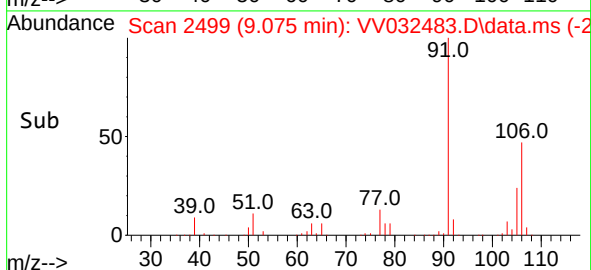
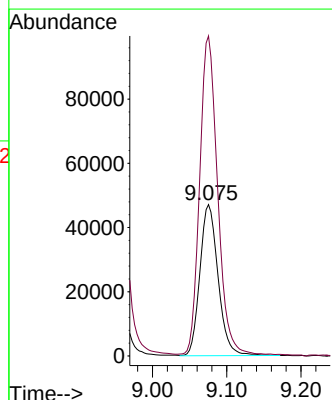
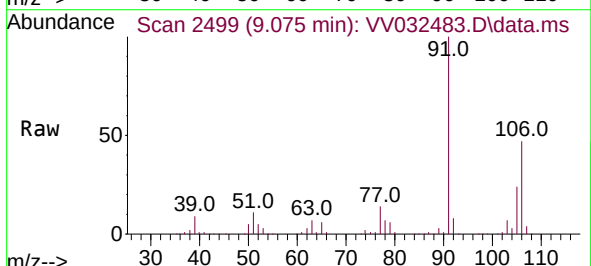
Instrument :
MSVOA_V
ClientSampleId :

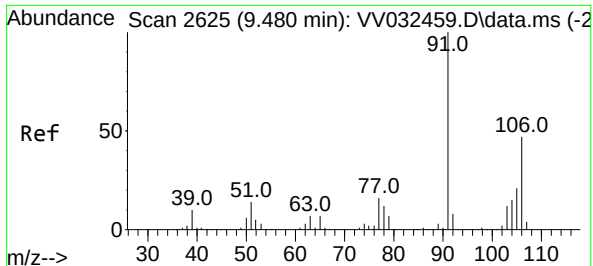
Tgt Ion: 91 Resp: 213951
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.5



#53
m,p-Xylene
Concen: 4.719 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion:106 Resp: 80165
Ion Ratio Lower Upper
106 100
91 211.4 144.5 268.3

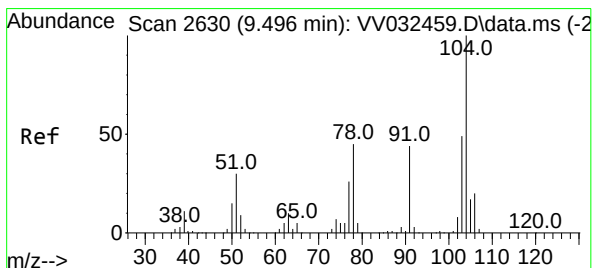
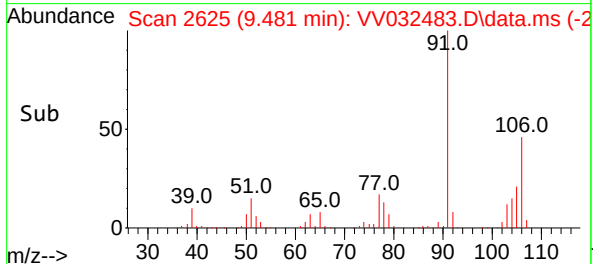
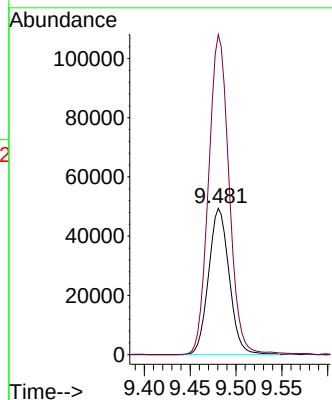
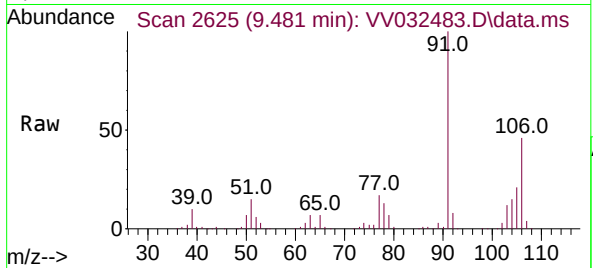




#54
o-Xylene
Concen: 4.729 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

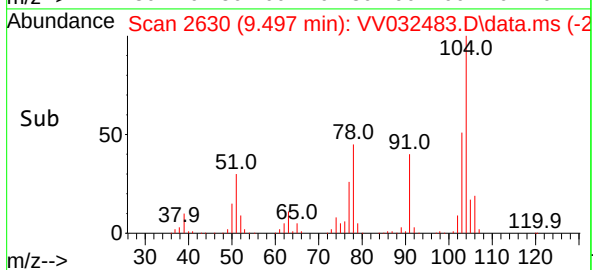
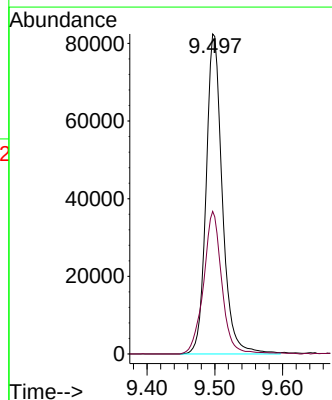
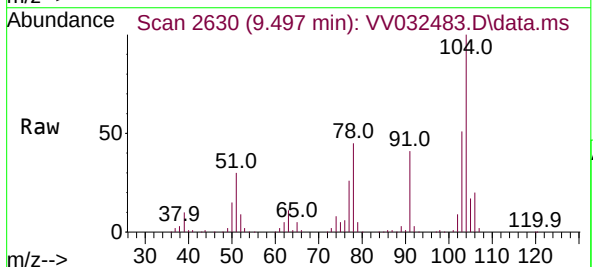
Instrument :
MSVOA_V
ClientSampleId :

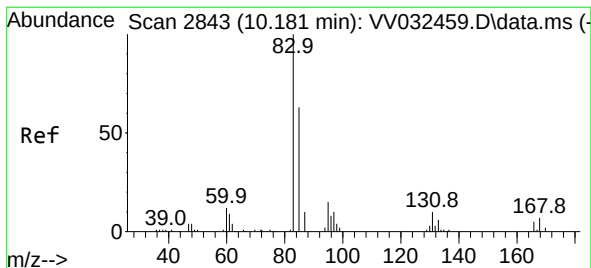
Tgt Ion:106 Resp: 77417
Ion Ratio Lower Upper
106 100
91 218.7 154.8 287.4



#55
Styrene
Concen: 4.962 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion:104 Resp: 137184
Ion Ratio Lower Upper
104 100
78 44.6 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.356 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.003 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

ClientSampleId :

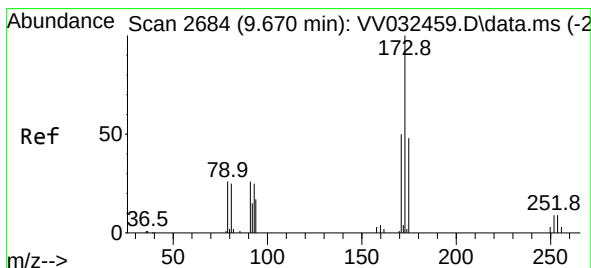
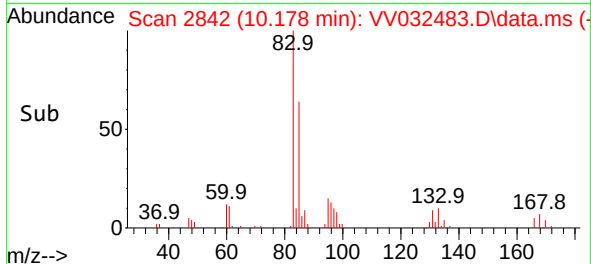
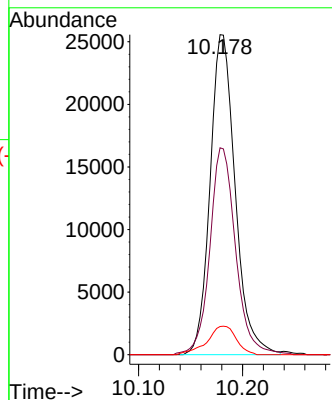
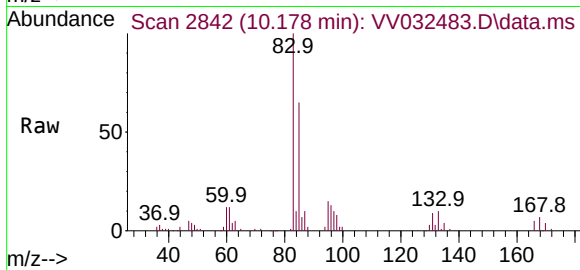
Tgt Ion: 83 Resp: 42902

Ion Ratio Lower Upper

83 100

85 64.6 43.6 81.0

131 8.8 7.0 10.6



#59

Bromoform

Concen: 4.628 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.003 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

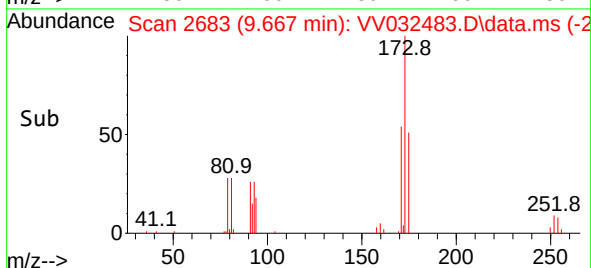
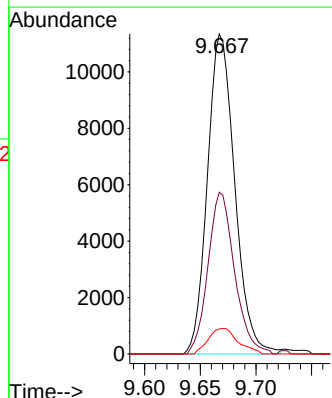
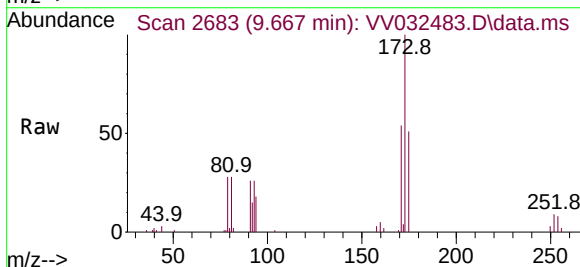
Tgt Ion: 173 Resp: 19377

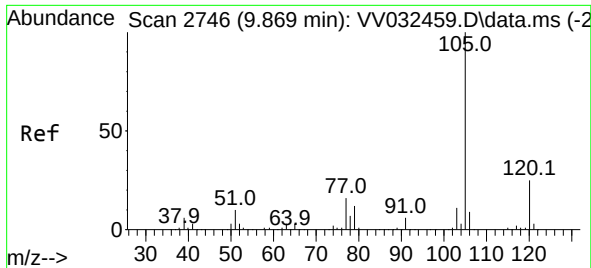
Ion Ratio Lower Upper

173 100

175 49.0 38.2 57.2

254 8.6 7.0 10.4

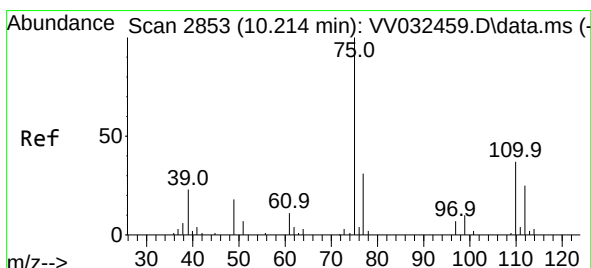
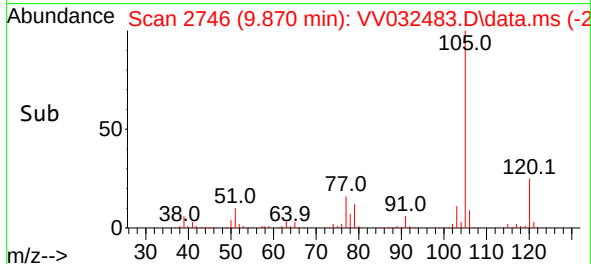
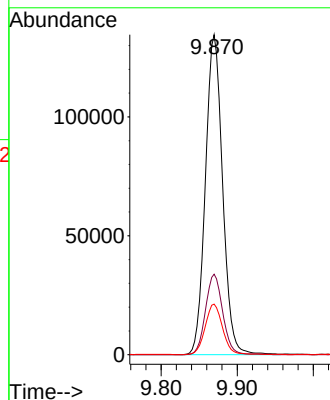
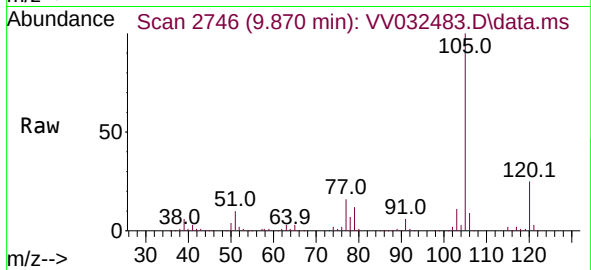




#60
Isopropylbenzene
Concen: 4.732 ug/L
RT: 9.870 min Scan# 211731
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

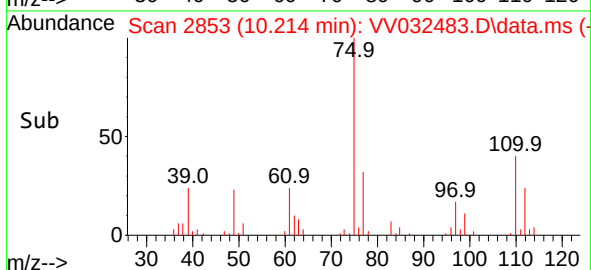
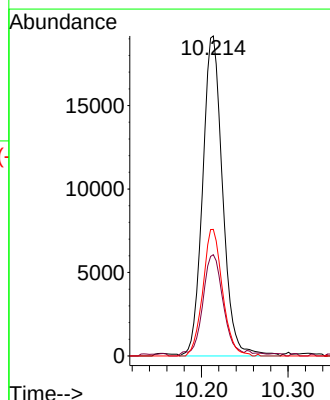
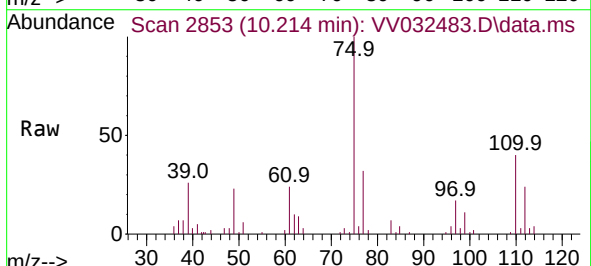
Instrument :
MSVOA_V
ClientSampleId :

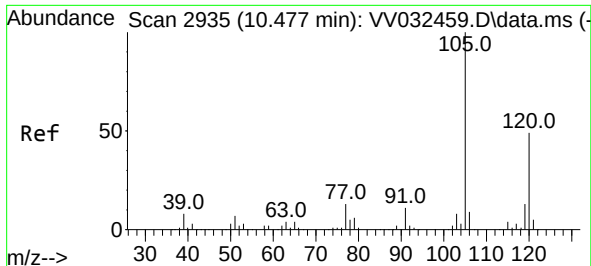
Tgt Ion:105 Resp: 211731
Ion Ratio Lower Upper
105 100
120 25.2 21.0 31.6
77 16.0 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.021 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion: 75 Resp: 30765
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 38.9 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.408 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032483.D

Acq: 18 Oct 2023 19:59

Instrument :

MSVOA_V

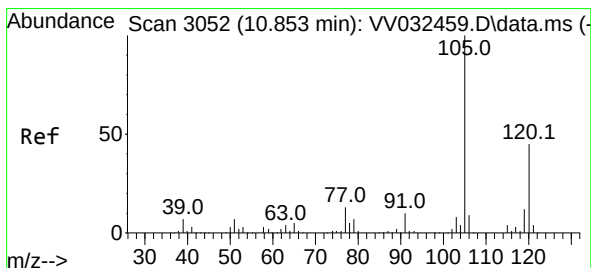
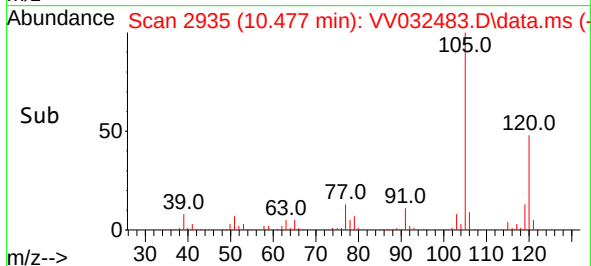
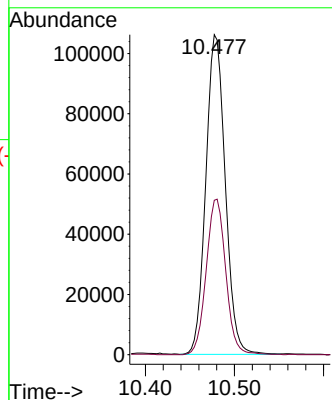
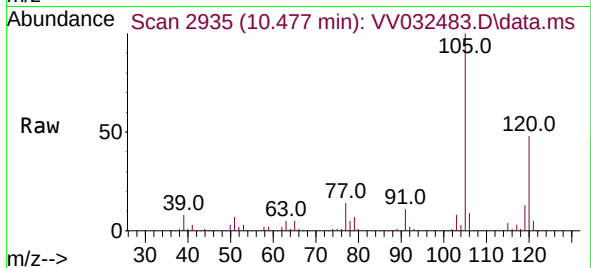
ClientSampleId :

Tgt Ion:105 Resp: 160762

Ion Ratio Lower Upper

105 100

120 48.9 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.545 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032483.D

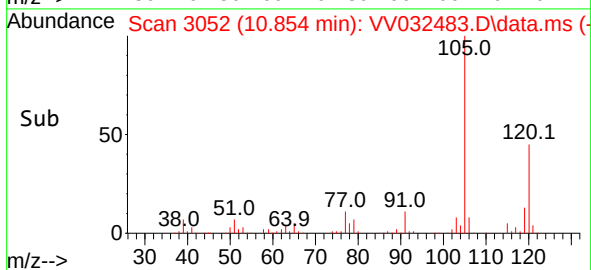
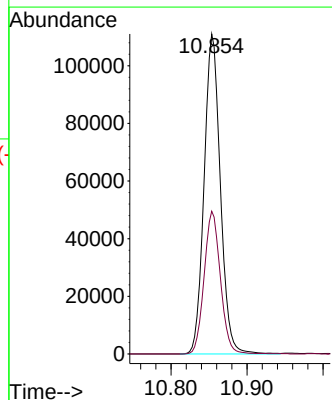
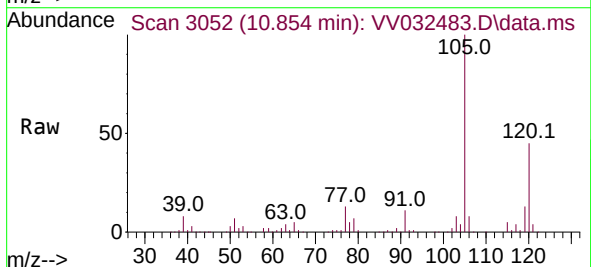
Acq: 18 Oct 2023 19:59

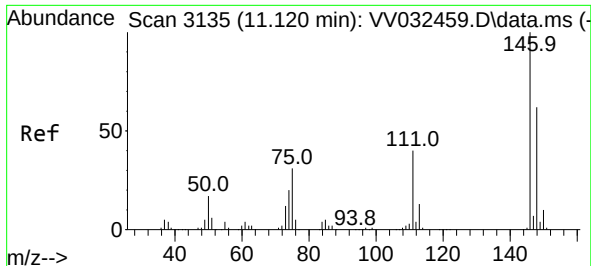
Tgt Ion:105 Resp: 165023

Ion Ratio Lower Upper

105 100

120 44.6 36.2 54.4

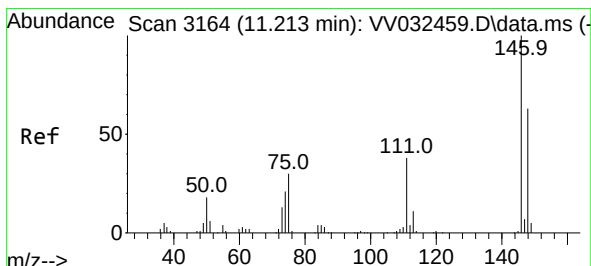
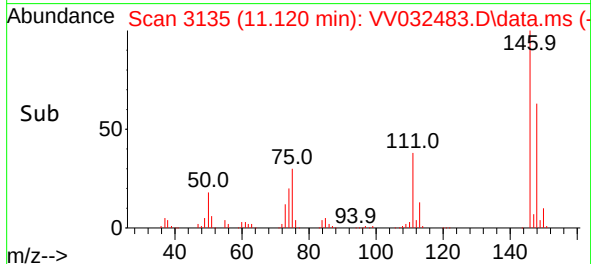
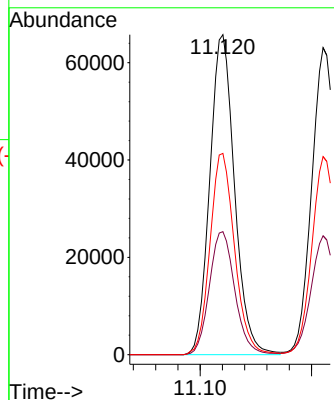
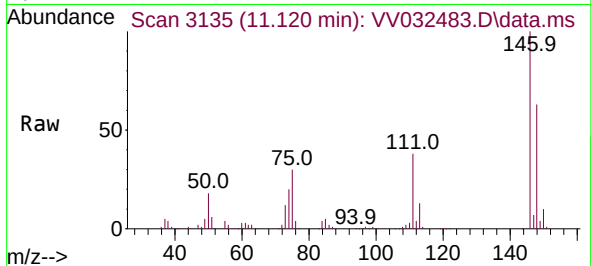




#64
1,3-Dichlorobenzene
Concen: 4.746 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

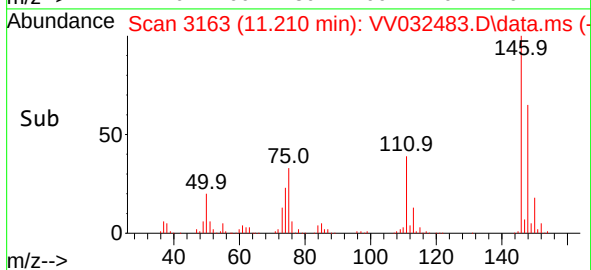
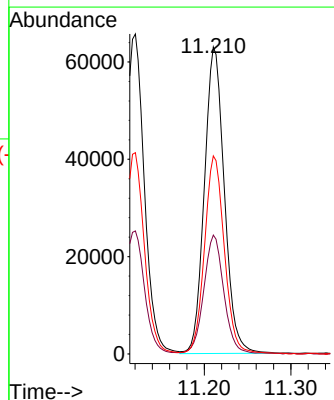
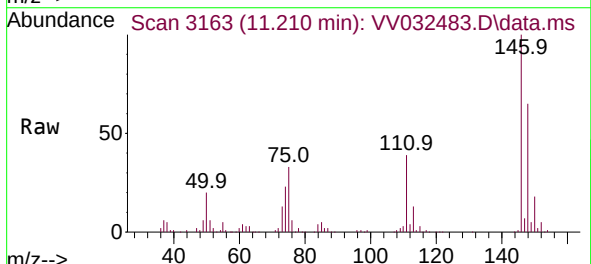
Instrument :
MSVOA_V
ClientSampleId :

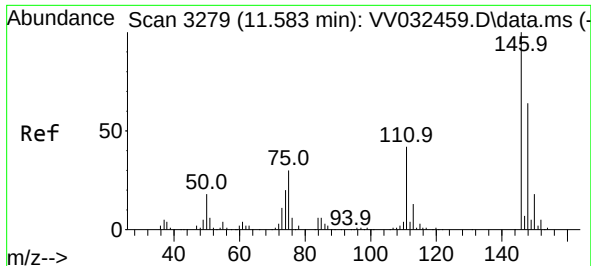
Tgt Ion:146 Resp: 101453
Ion Ratio Lower Upper
146 100
111 38.5 27.8 51.6
148 62.9 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 4.704 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion:146 Resp: 100878
Ion Ratio Lower Upper
146 100
111 38.7 26.9 49.9
148 64.5 44.8 83.2

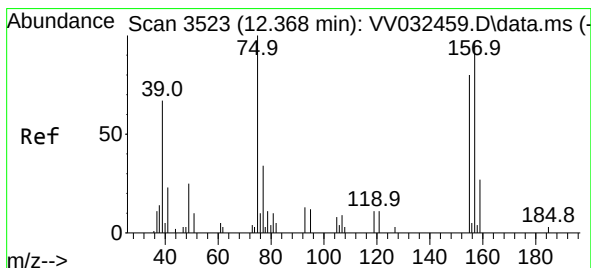
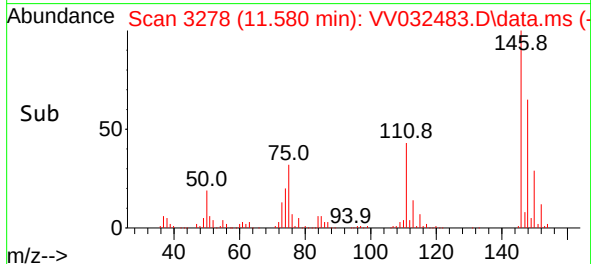
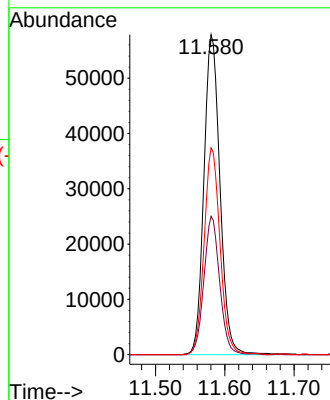
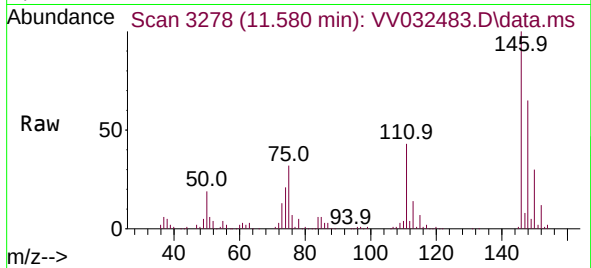




#67
1,2-Dichlorobenzene
Concen: 4.773 ug/L
RT: 11.580 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

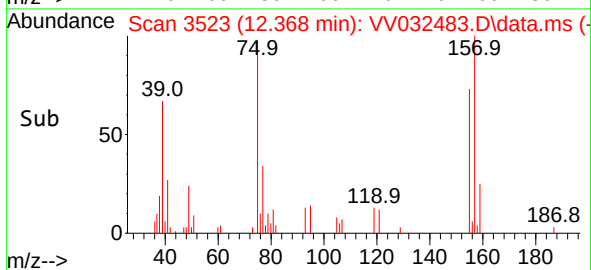
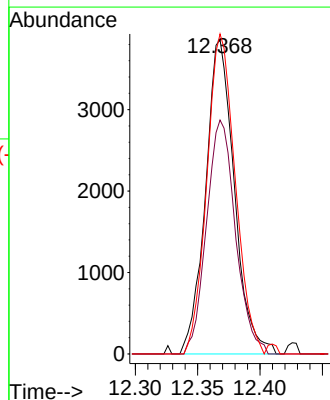
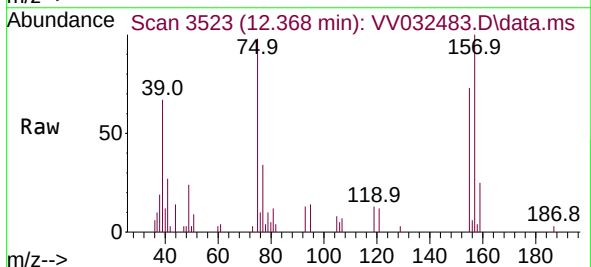
Instrument :
MSVOA_V
ClientSampleId :

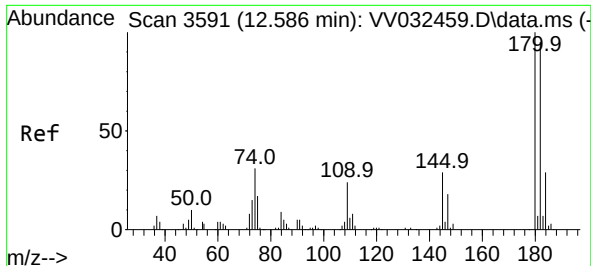
Tgt Ion:146 Resp: 93042
Ion Ratio Lower Upper
146 100
111 43.3 32.8 49.2
148 64.6 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 4.958 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

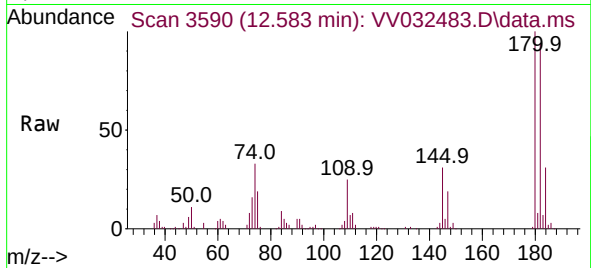
Tgt Ion: 75 Resp: 6207
Ion Ratio Lower Upper
75 100
155 74.4 70.2 105.4
157 101.8 90.6 135.8



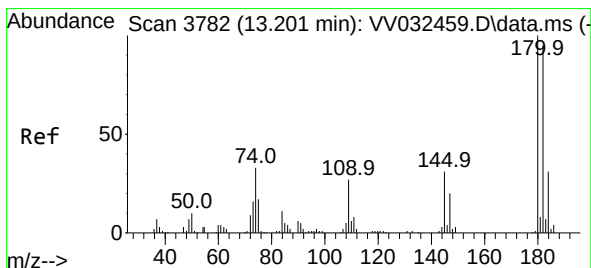
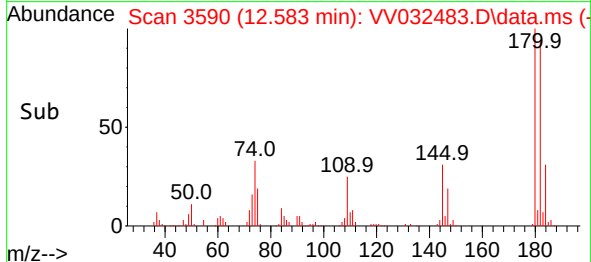
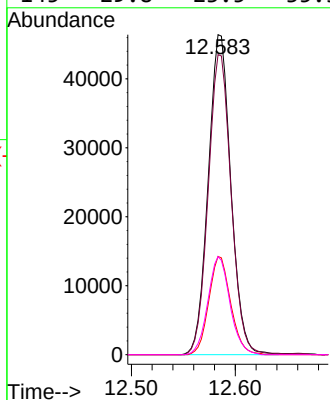


#69
 1,3,5-Trichlorobenzene
 Concen: 4.488 ug/L
 RT: 12.583 min Scan# 3591
 Delta R.T. -0.003 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Instrument :
 MSVOA_V
 ClientSampleId :

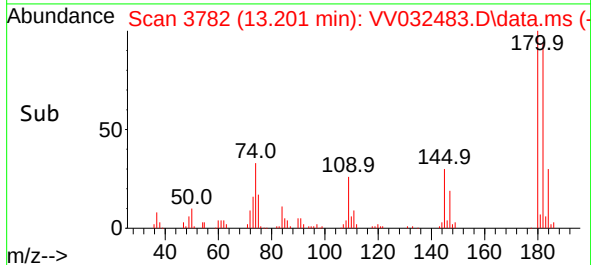
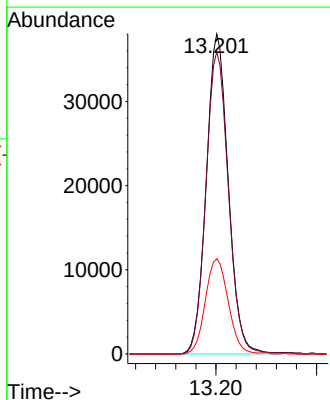
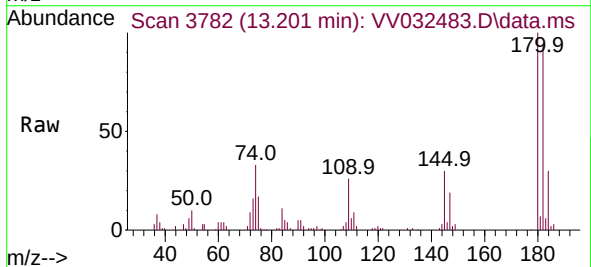


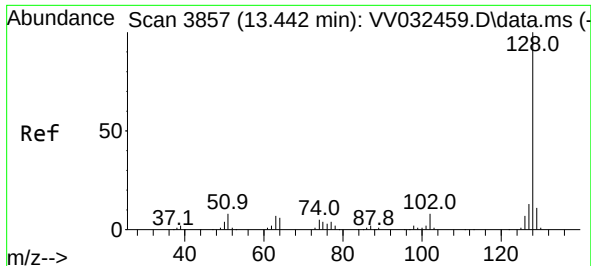
Tgt Ion:180 Resp: 70250
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.6 112.0
 184 29.6 24.1 36.1
 145 29.8 23.5 35.3



#70
 1,2,4-trichlorobenzene
 Concen: 4.166 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032483.D
 Acq: 18 Oct 2023 19:59

Tgt Ion:180 Resp: 57849
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.5 114.7
 145 30.8 24.3 36.5

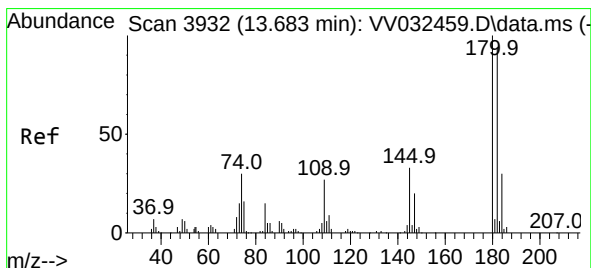
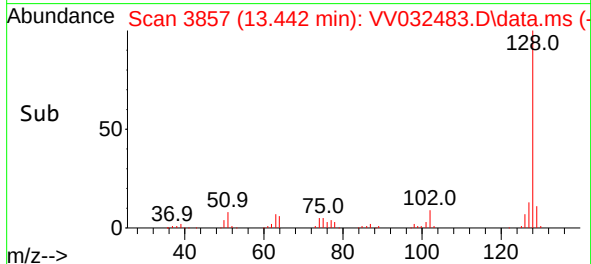
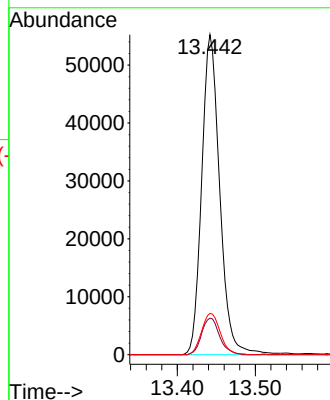
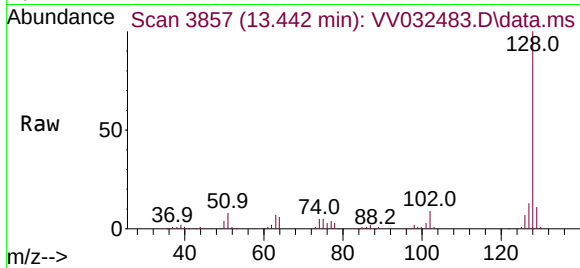




#71
Naphthalene
Concen: 3.763 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.4	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.448 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032483.D
Acq: 18 Oct 2023 19:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.4
145	32.5	25.7	38.5

