

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111023\
 Data File : VW032890.D
 Acq On : 10 Nov 2023 14:31
 Operator : SY/MD
 Sample : 05326-03MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E45K3MS

Quant Time: Nov 10 22:51:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 08 01:37:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	341021	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	385688	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	219049	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	132357	40.806	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.620%
7) Chloroethane-d5	1.532	69	118398	43.645	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.280%
11) 1,1-Dichloroethene-d2	2.063	65	60511	45.166	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.340%
21) 2-Butanone-d5	3.786	46	142755	101.468	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.470%
24) Chloroform-d	4.249	84	261486	50.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.020%
26) 1,2-Dichloroethane-d4	4.944	65	166879	51.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.720%
32) Benzene-d6	4.963	84	493534	49.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.540%
36) 1,2-Dichloropropane-d6	5.989	67	152290	50.549	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.100%
41) Toluene-d8	7.246	98	503411	51.555	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.120%
43) trans-1,3-Dichloroprop...	7.555	79	78847	50.251	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.500%
47) 2-Hexanone-d5	8.024	63	118233	107.498	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.500%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	230623	50.445	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.900%
66) 1,2-Dichlorobenzene-d4	11.564	152	210964	49.977	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	109448	36.475	ug/L	99
3) Chloromethane	1.217	50	116369	40.086	ug/L	100
5) Vinyl chloride	1.285	62	121145	39.137	ug/L	100
6) Bromomethane	1.487	94	86866	40.218	ug/L	96
8) Chloroethane	1.548	64	88734	42.582	ug/L	98
9) Trichlorofluoromethane	1.716	101	215412	43.668	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	131915	44.196	ug/L	100
12) 1,1-Dichloroethene	2.072	96	111748	43.812	ug/L	87
13) Acetone	2.111	43	112950	47.963	ug/L	100
14) Carbon disulfide	2.243	76	229403	37.677	ug/L	99
15) Methyl Acetate	2.375	43	108070	45.261	ug/L	100
16) Methylene chloride	2.449	84	128637	38.022	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	108851	44.713	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	362961	50.486	ug/L	100
19) 1,1-Dichloroethane	3.114	63	216377	46.639	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	143185	53.256	ug/L	99
22) 2-Butanone	3.867	43	146212	73.212	ug/L	94
23) Bromochloromethane	4.150	128	73101	48.714	ug/L	97
25) Chloroform	4.278	83	253909	48.018	ug/L	99

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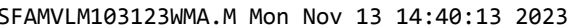
Instrument :
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 ClientSampleId :
 E45K3MS

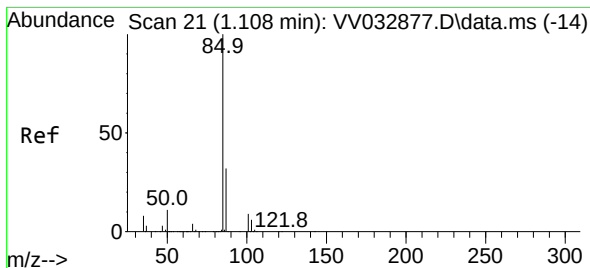
Quant Time: Nov 10 22:51:12 2023
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 08 01:37:19 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	199062	52.237	ug/L	99
29) Cyclohexane	4.587	56	139960	40.377	ug/L #	94
30) 1,1,1-Trichloroethane	4.516	97	216429	46.837	ug/L	99
31) Carbon tetrachloride	4.738	117	187432	45.902	ug/L	100
33) Benzene	5.011	78	483010	47.228	ug/L	100
34) Trichloroethene	5.834	95	231610	81.354	ug/L	97
35) Methylcyclohexane	6.053	83	180190	40.449	ug/L	99
37) 1,2-Dichloropropane	6.095	63	129474	47.693	ug/L	99
38) Bromodichloromethane	6.436	83	200357	47.044	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	217944	53.513	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	329189	102.319	ug/L	99
42) Toluene	7.317	91	568624	48.822	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	206620	49.392	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	152903	49.104	ug/L	98
46) Tetrachloroethene	7.911	164	4816996	1875.233	ug/L	99
48) 2-Hexanone	8.075	43	240060	83.163	ug/L	99
49) Dibromochloromethane	8.178	129	154725	47.528	ug/L	100
50) 1,2-Dibromoethane	8.284	107	155209	48.926	ug/L	97
51) Chlorobenzene	8.815	112	382619	46.404	ug/L	99
52) Ethylbenzene	8.950	91	614136	47.802	ug/L	99
53) m,p-Xylene	9.075	106	240916	49.271	ug/L	100
54) o-Xylene	9.481	106	232566	49.096	ug/L	97
55) Styrene	9.497	104	426473	51.661	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	227650	48.814	ug/L	98
59) Bromoform	9.667	173	114686	46.697	ug/L	100
60) Isopropylbenzene	9.870	105	629674	47.401	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	171554	46.888	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	501798	48.003	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	489844	48.986	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	323541	46.751	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	337072	46.161	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	331621	46.938	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	44308	46.531	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	222230	44.481	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	201601	46.660	ug/L	98
71) Naphthalene	13.442	128	547948	50.785	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	215422	49.937	ug/L	100

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

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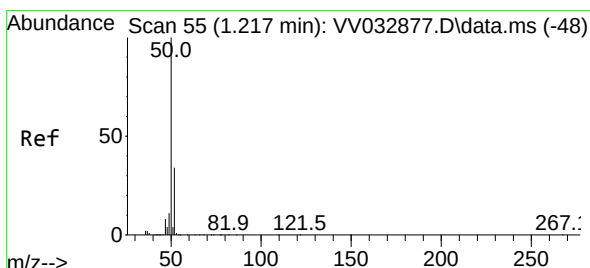
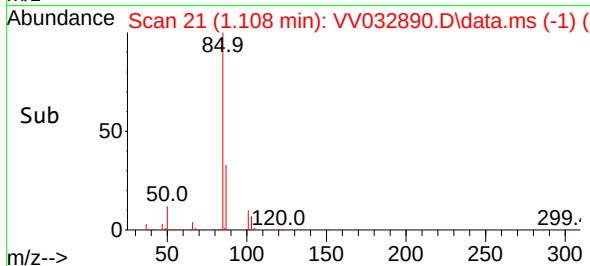
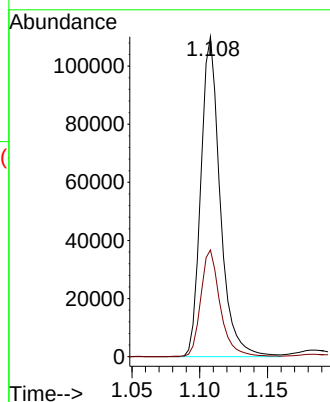
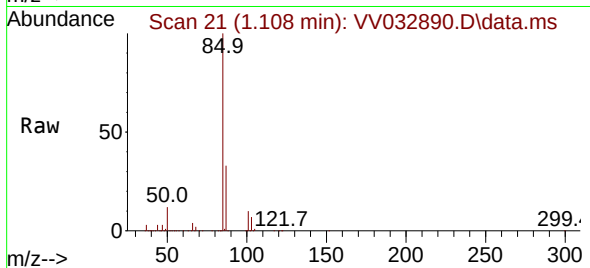




#2
Dichlorodifluoromethane
Concen: 36.475 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

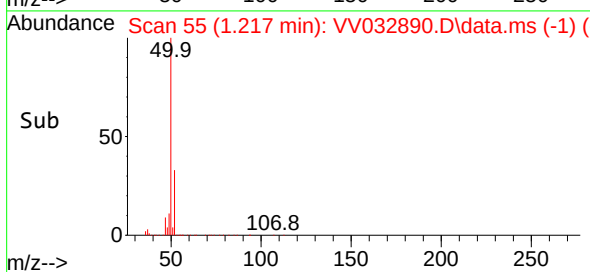
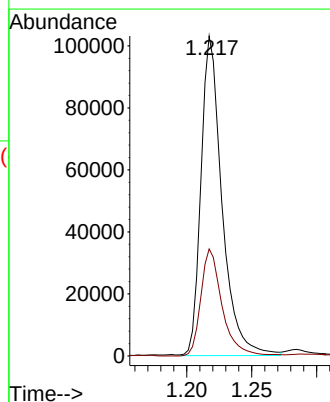
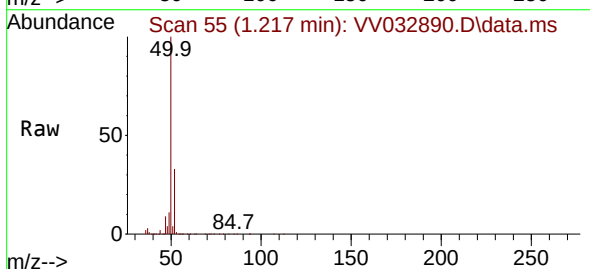
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

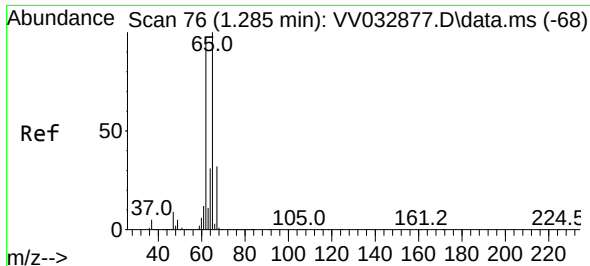
Tgt Ion: 85 Resp: 109448
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.4



#3
Chloromethane
Concen: 40.086 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 50 Resp: 116369
Ion Ratio Lower Upper
50 100
52 33.5 23.5 43.7

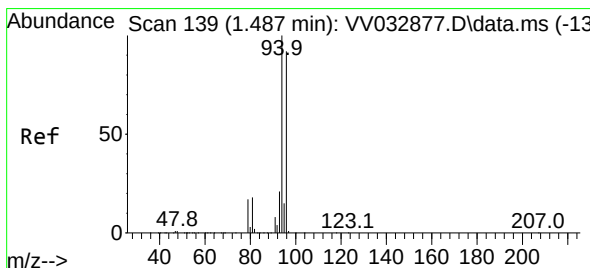
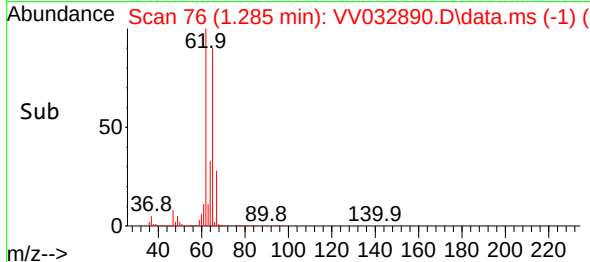
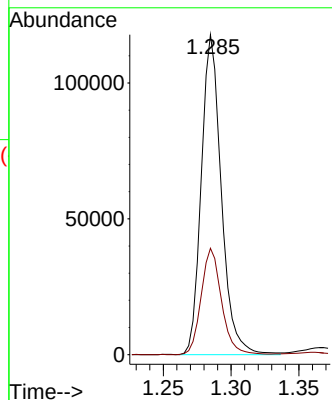
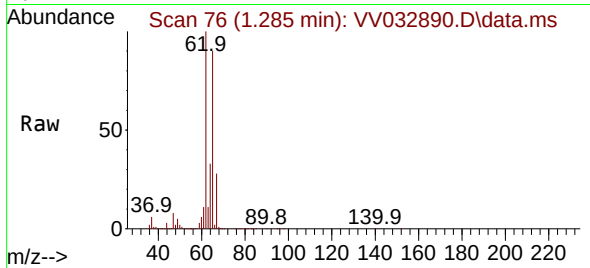




#5
 Vinyl chloride
 Concen: 39.137 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV032890.D
 Acq: 10 Nov 2023 14:31

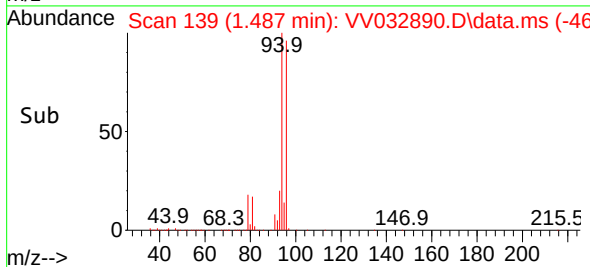
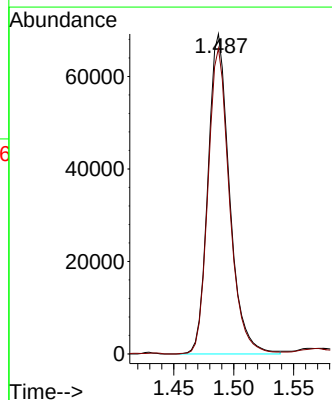
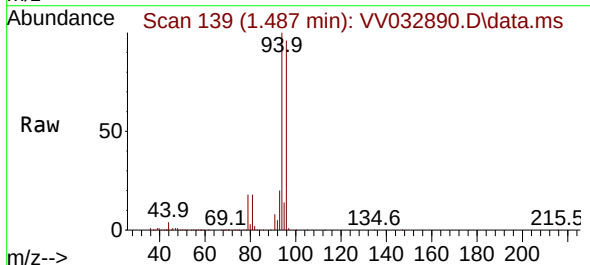
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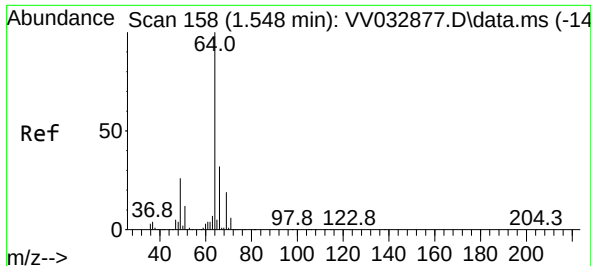
Tgt Ion: 62 Resp: 121145
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.0



#6
 Bromomethane
 Concen: 40.218 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV032890.D
 Acq: 10 Nov 2023 14:31

Tgt Ion: 94 Resp: 86866
 Ion Ratio Lower Upper
 94 100
 96 95.5 64.2 119.2

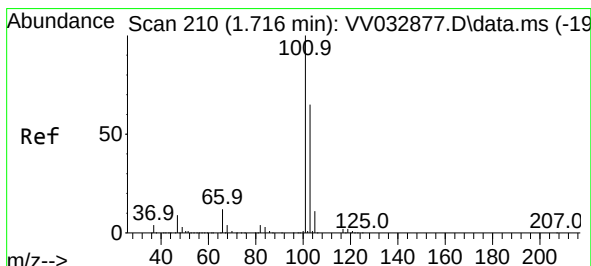
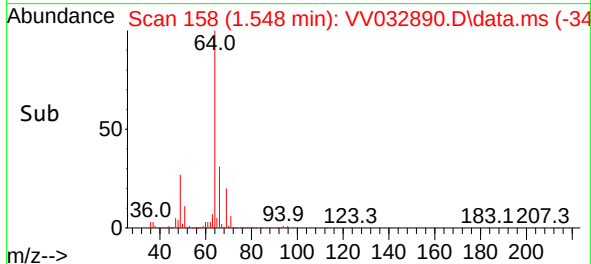
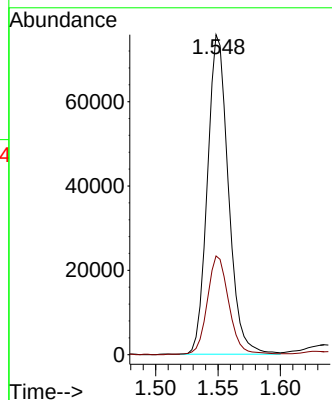
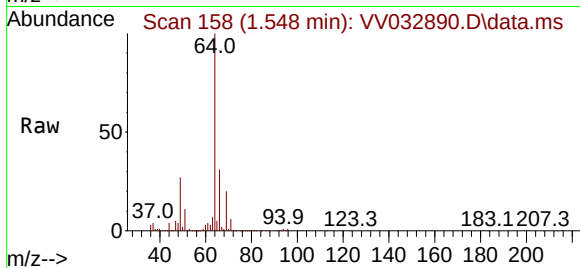




#8
Chloroethane
Concen: 42.582 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

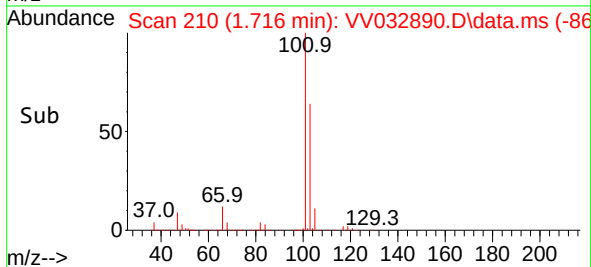
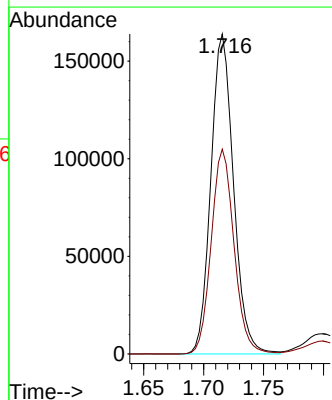
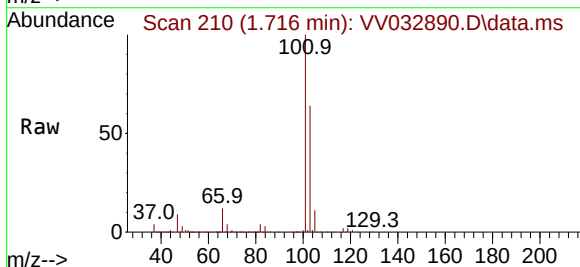
Instrument :
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ClientSampleId :
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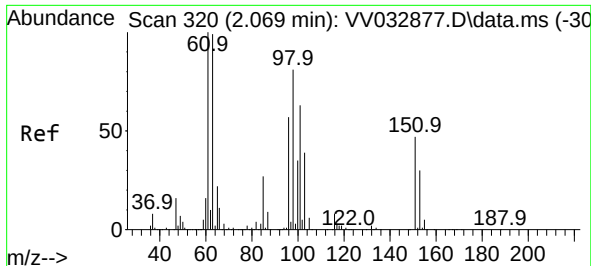
Tgt Ion: 64 Resp: 88734
Ion Ratio Lower Upper
64 100
66 30.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 43.668 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 101 Resp: 215412
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5

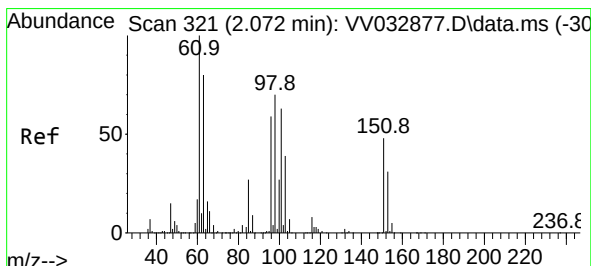
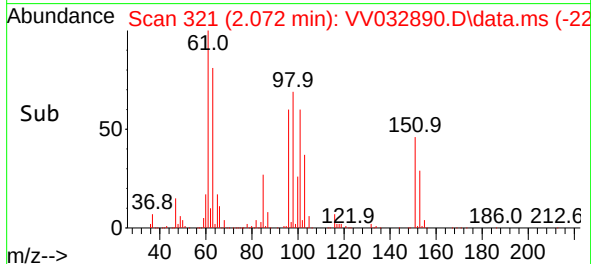
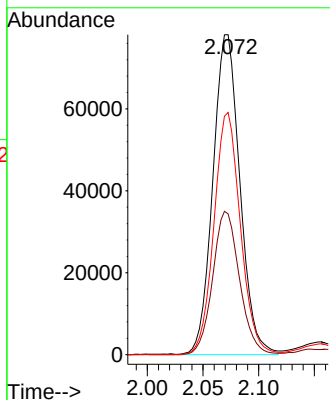
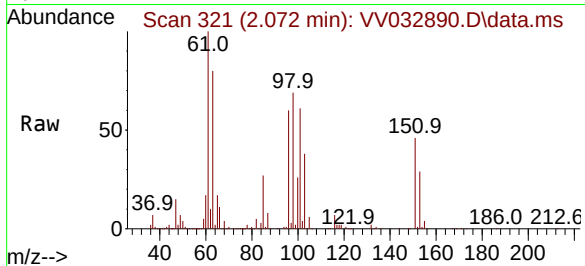




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.196 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

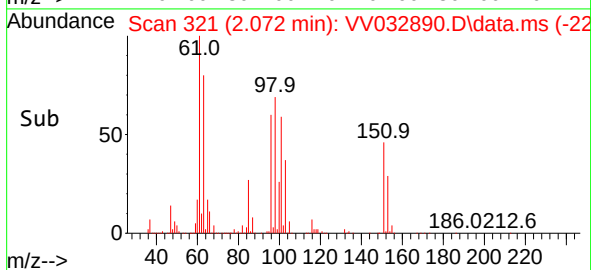
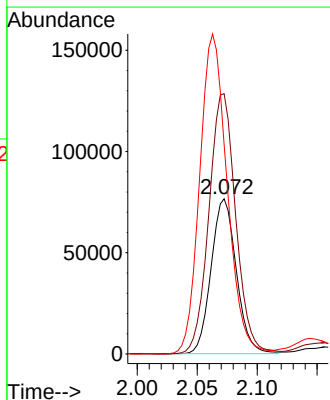
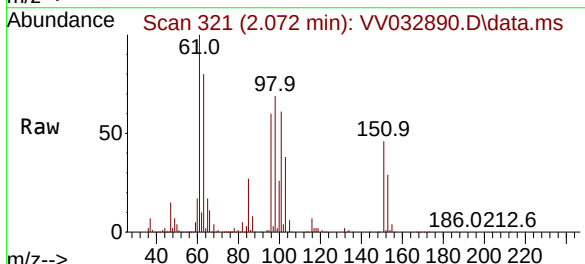
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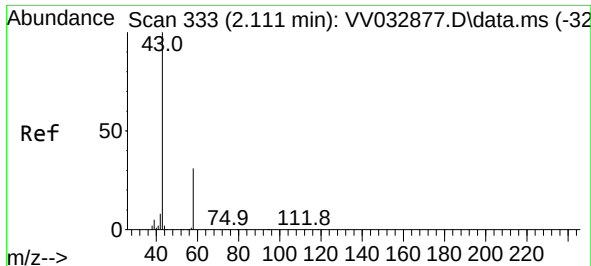
Tgt Ion:101 Resp: 131915
Ion Ratio Lower Upper
101 100
85 44.6 35.6 53.4
151 74.3 59.9 89.9



#12
1,1-Dichloroethene
Concen: 43.812 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 96 Resp: 111748
Ion Ratio Lower Upper
96 100
61 167.6 124.2 230.6
63 134.9 111.8 207.6





#13

Acetone

Concen: 47.963 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

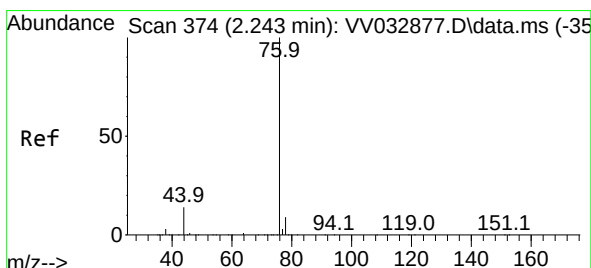
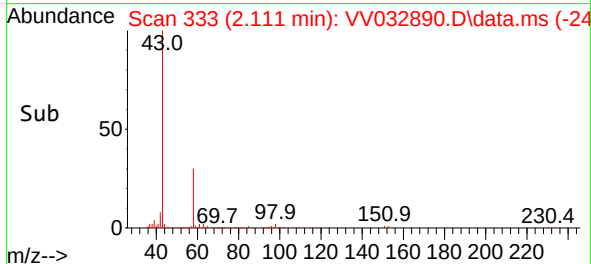
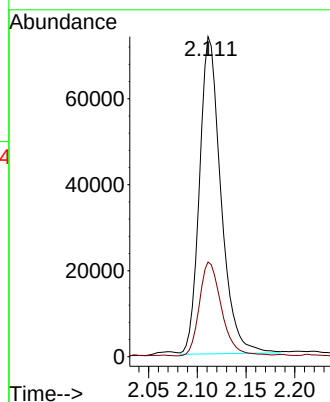
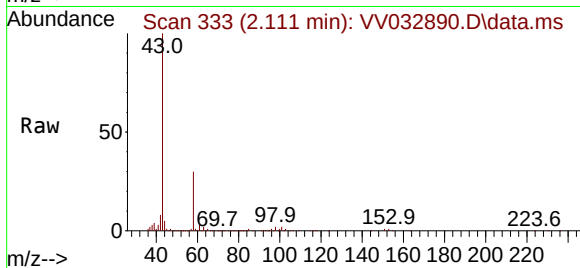
E45K3MS

Tgt Ion: 43 Resp: 112950

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 37.677 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV032890.D

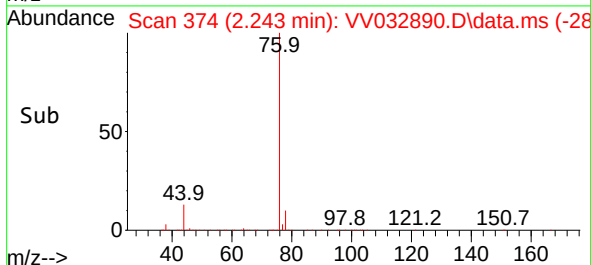
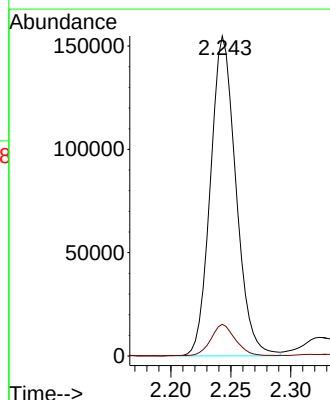
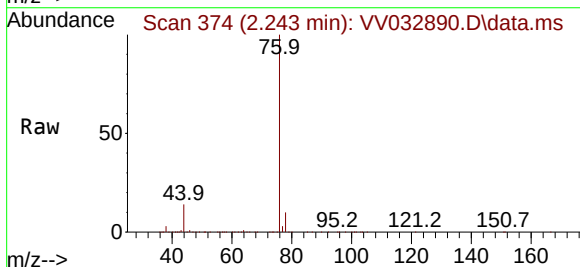
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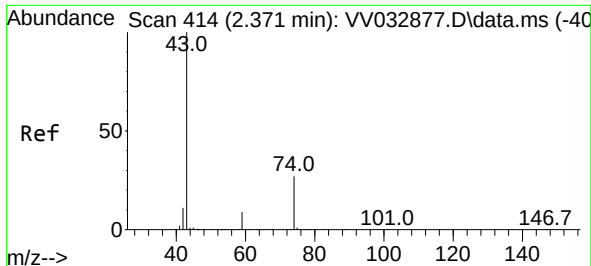
Tgt Ion: 76 Resp: 229403

Ion Ratio Lower Upper

76 100

78 9.9 7.6 11.4

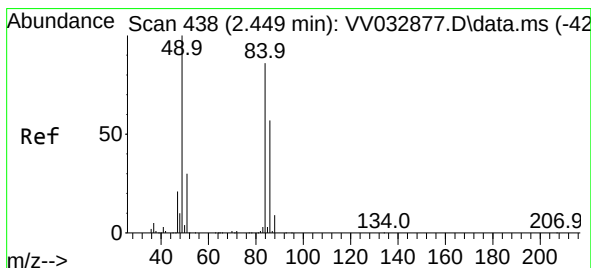
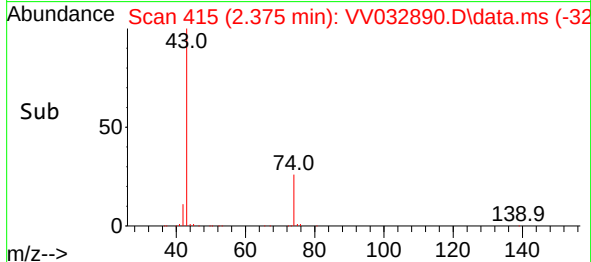
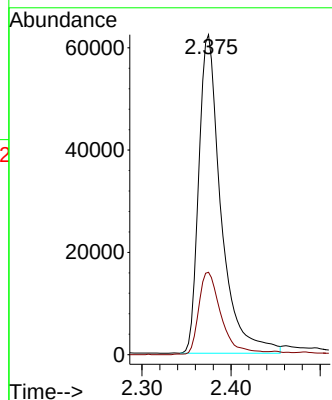
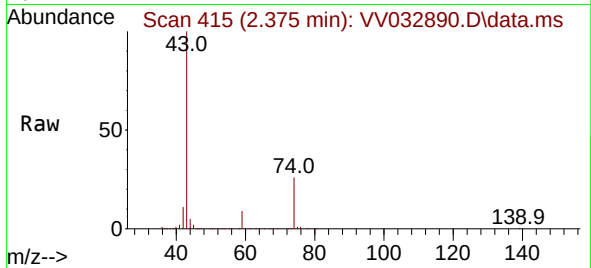




#15
Methyl Acetate
Concen: 45.261 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

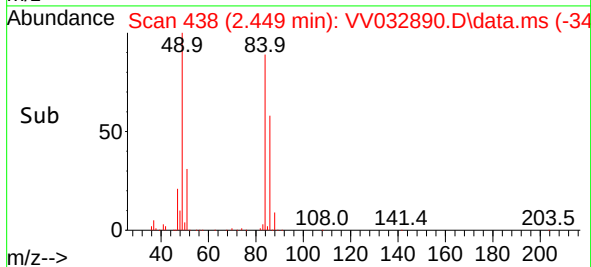
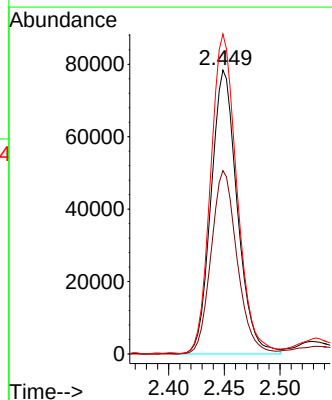
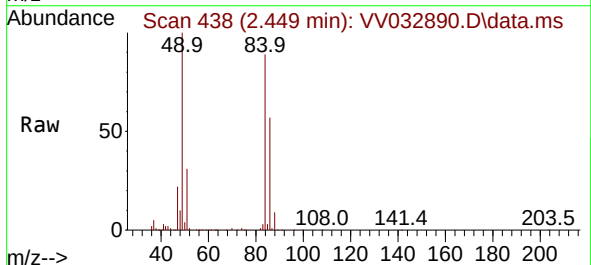
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

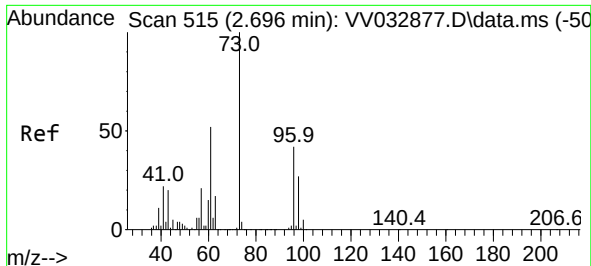
Tgt Ion: 43 Resp: 108070
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8



#16
Methylene chloride
Concen: 38.022 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 84 Resp: 128637
Ion Ratio Lower Upper
84 100
86 64.6 45.0 83.6
49 112.7 81.2 150.8

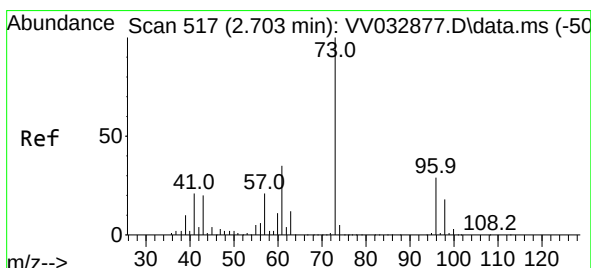
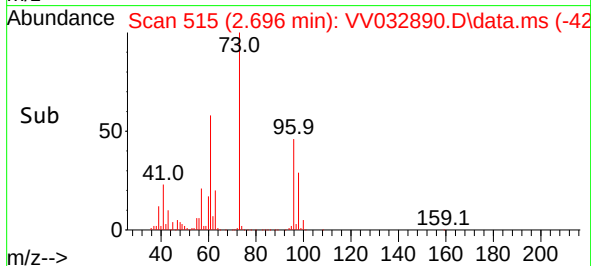
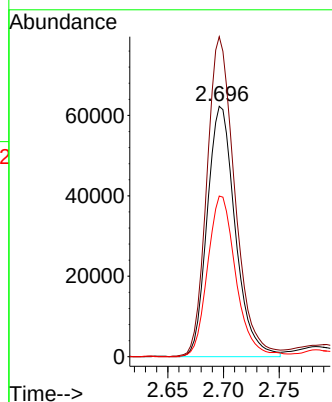
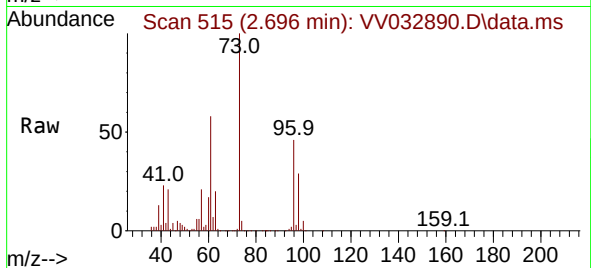




#17
trans-1,2-Dichloroethene
Concen: 44.713 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

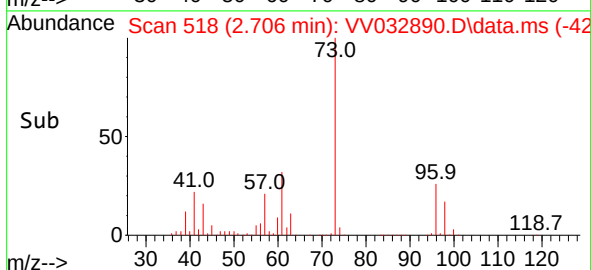
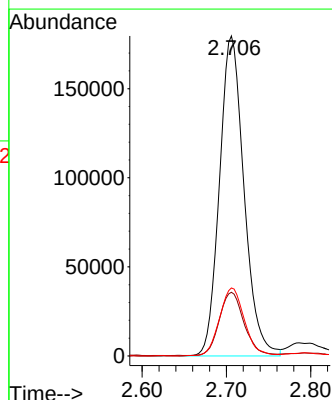
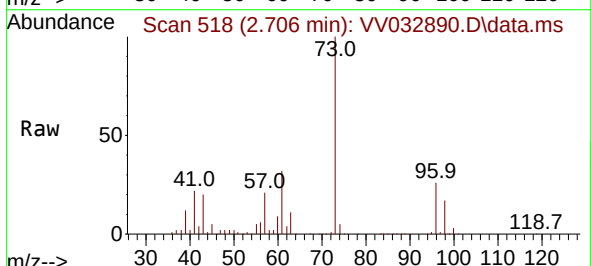
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

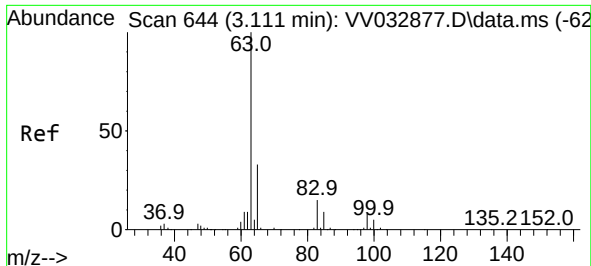
Tgt Ion: 96 Resp: 108851
Ion Ratio Lower Upper
96 100
61 127.8 86.9 161.3
98 64.1 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 50.486 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 73 Resp: 362961
Ion Ratio Lower Upper
73 100
43 19.8 16.1 24.1
57 21.6 17.4 26.0

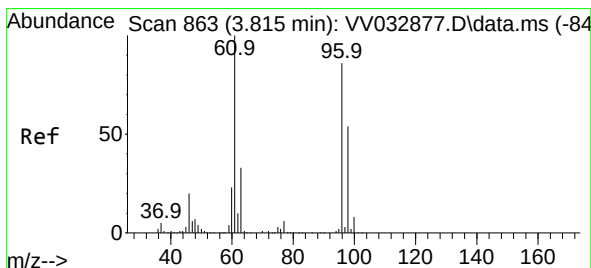
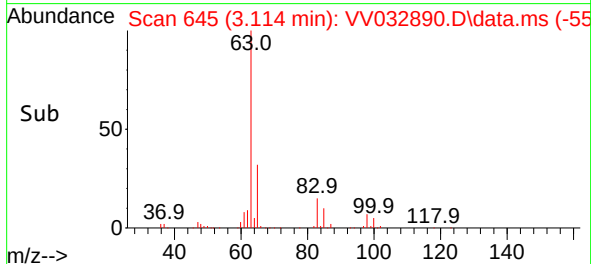
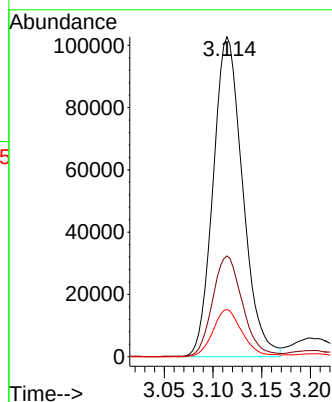
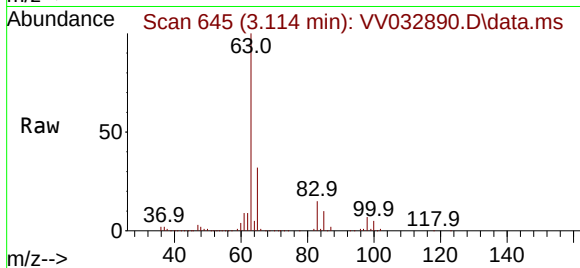




#19
1,1-Dichloroethane
Concen: 46.639 ug/L
RT: 3.114 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

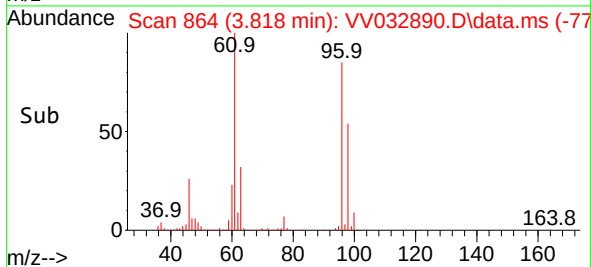
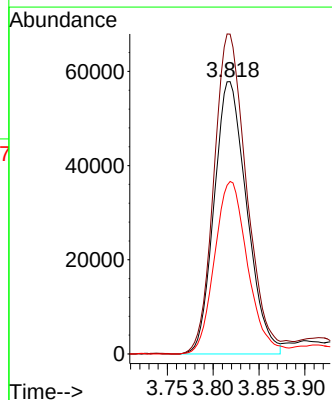
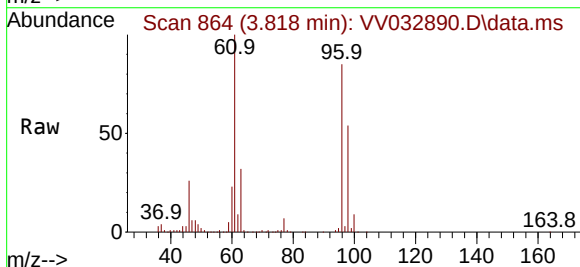
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

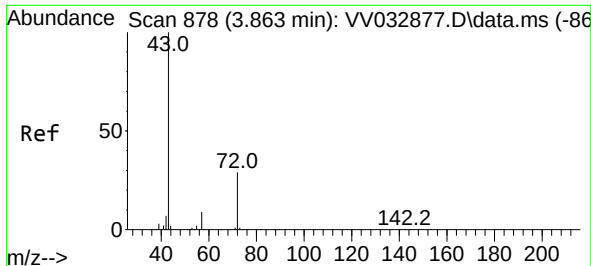
Tgt Ion: 63 Resp: 216377
Ion Ratio Lower Upper
63 100
65 31.5 22.3 41.5
83 14.8 10.1 18.7



#20
cis-1,2-Dichloroethene
Concen: 53.256 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 96 Resp: 143185
Ion Ratio Lower Upper
96 100
61 117.4 83.3 154.7
98 63.4 44.2 82.2

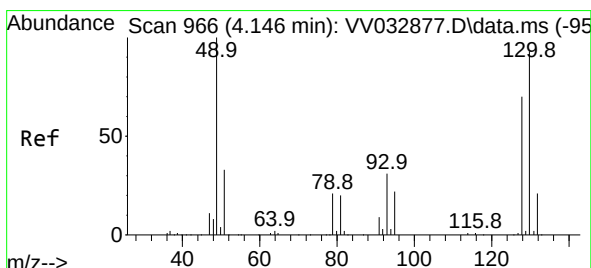
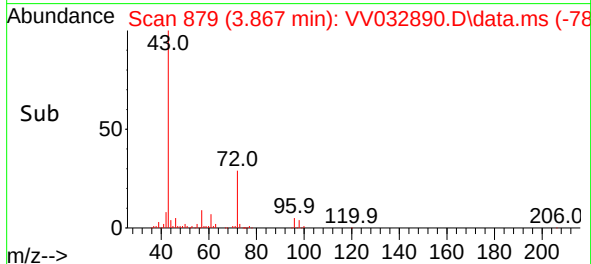
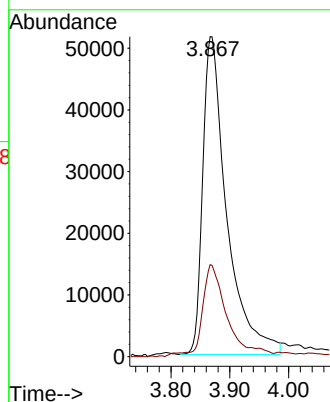
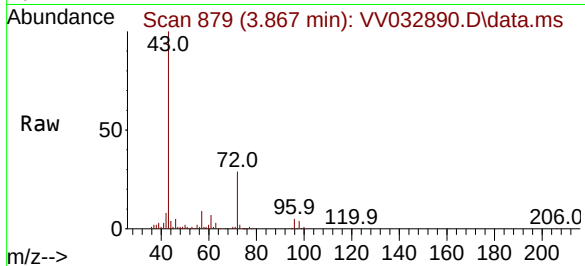




#22
2-Butanone
Concen: 73.212 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

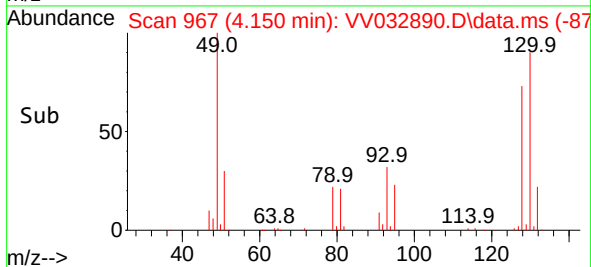
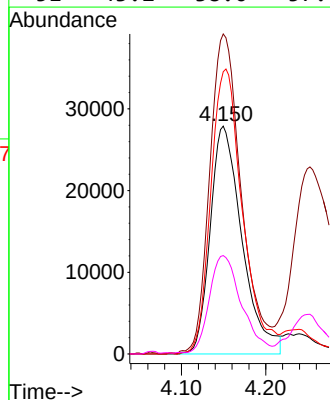
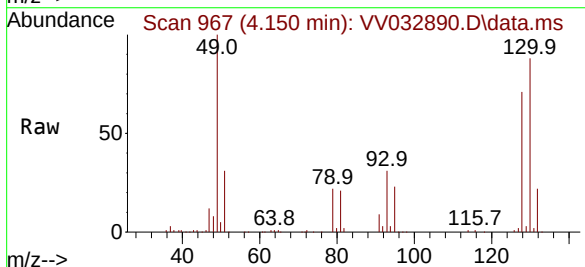
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

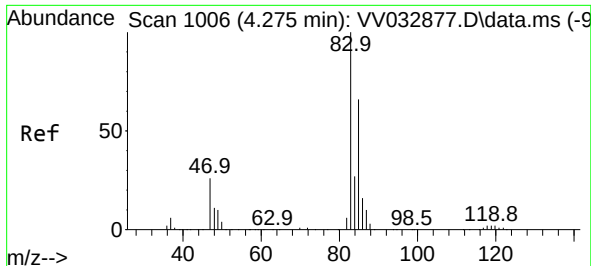
Tgt Ion: 43 Resp: 146212
Ion Ratio Lower Upper
43 100
72 23.9 13.5 40.4



#23
Bromochloromethane
Concen: 48.714 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 128 Resp: 73101
Ion Ratio Lower Upper
128 100
49 140.4 101.0 187.6
130 123.8 88.5 164.4
51 43.2 38.0 57.0

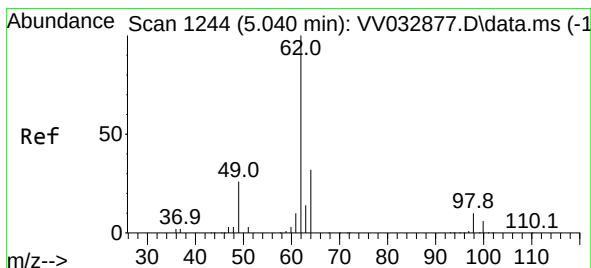
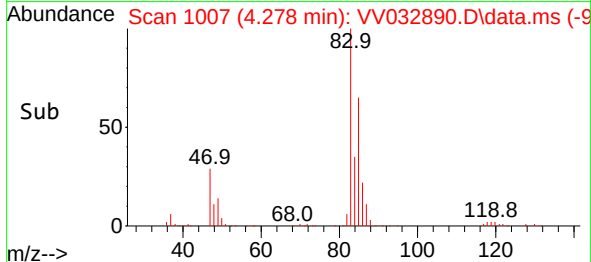
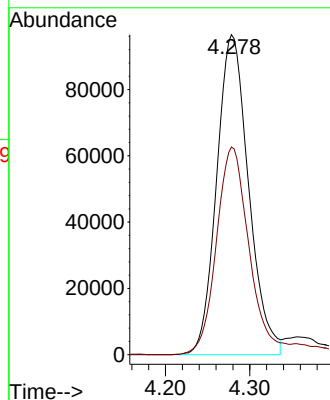
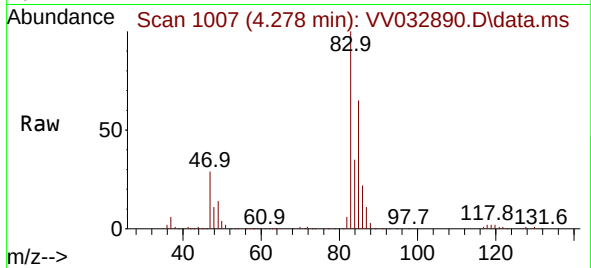




#25
Chloroform
Concen: 48.018 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

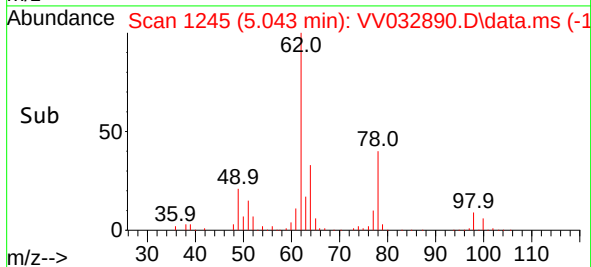
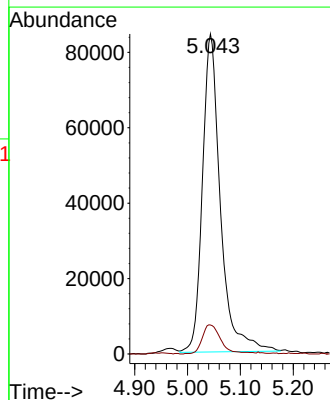
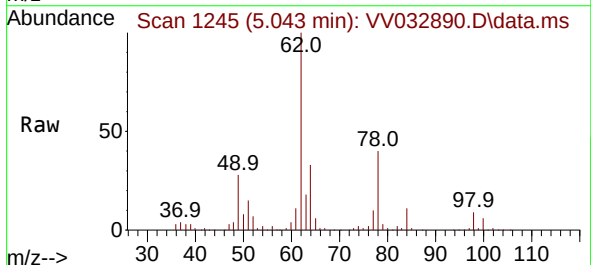
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

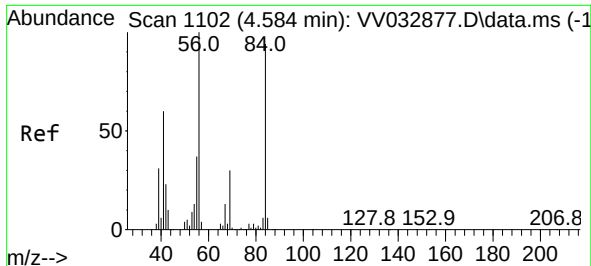
Tgt Ion: 83 Resp: 253909
Ion Ratio Lower Upper
83 100
85 64.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 52.237 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 62 Resp: 199062
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3





#29

Cyclohexane

Concen: 40.377 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

E45K3MS

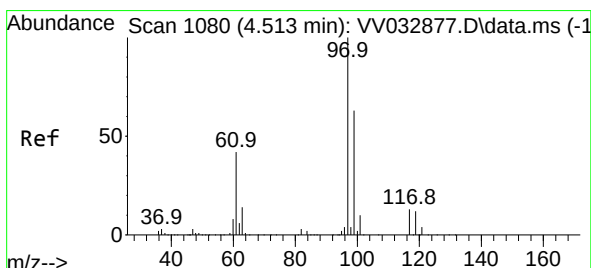
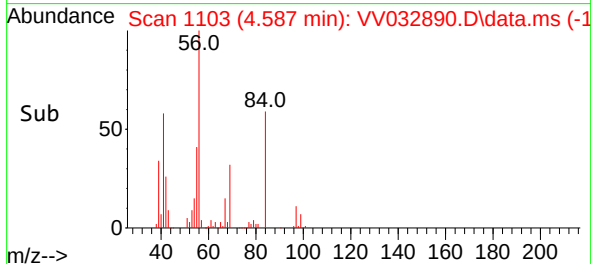
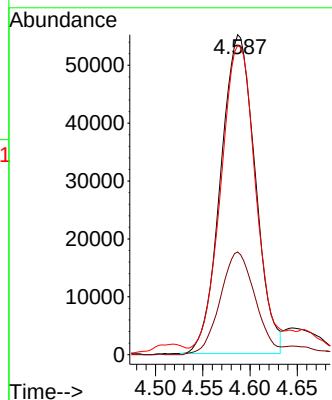
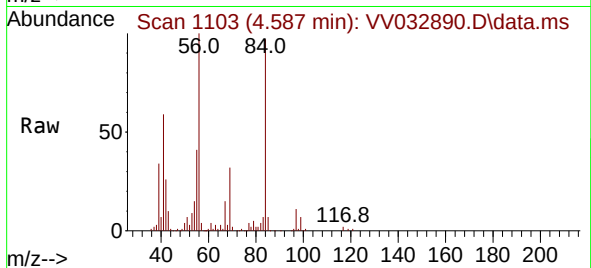
Tgt Ion: 56 Resp: 139960

Ion Ratio Lower Upper

56 100

69 32.5 13.4 20.0#

84 94.4 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 46.837 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

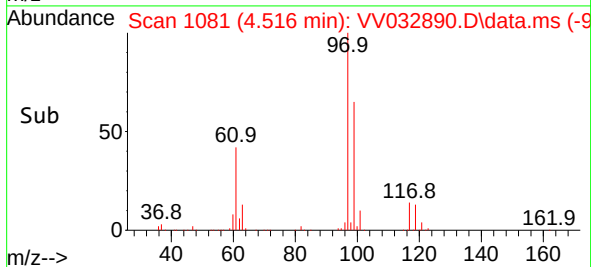
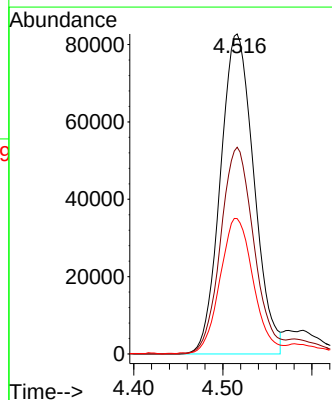
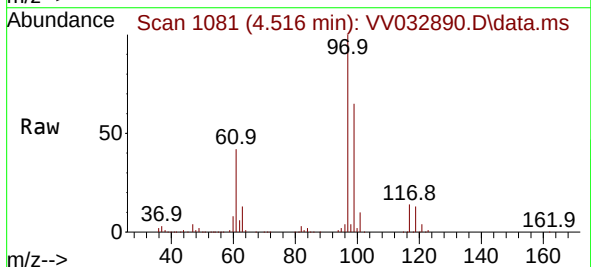
Tgt Ion: 97 Resp: 216429

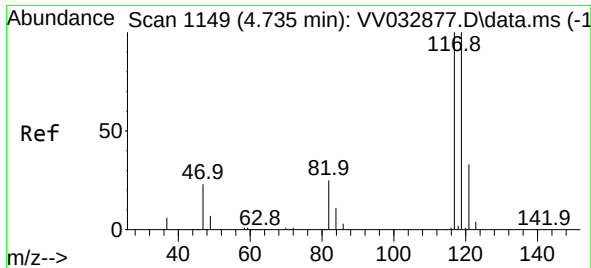
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 41.6 34.8 52.2

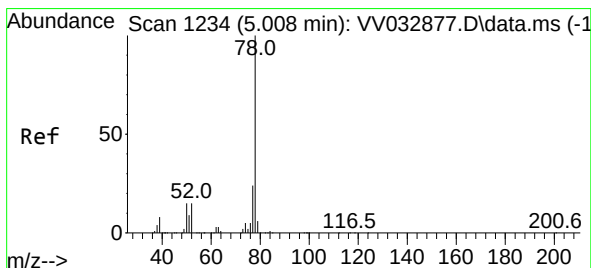
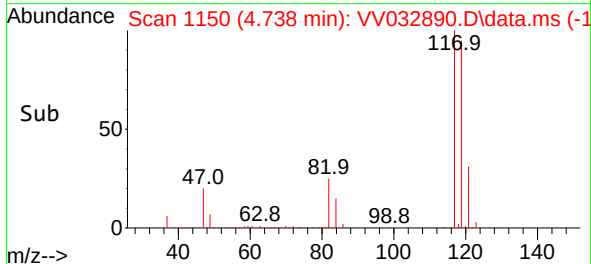
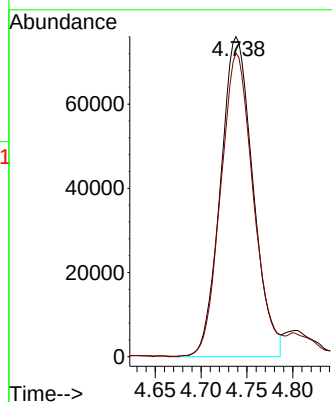
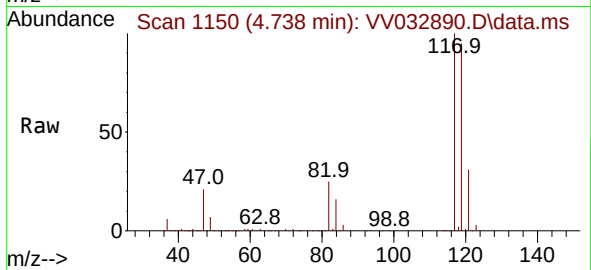




#31
Carbon tetrachloride
Concen: 45.902 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

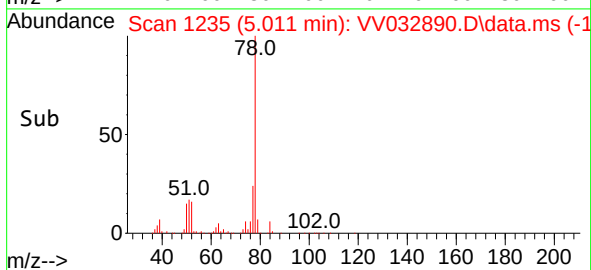
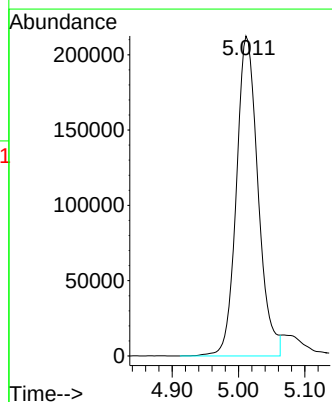
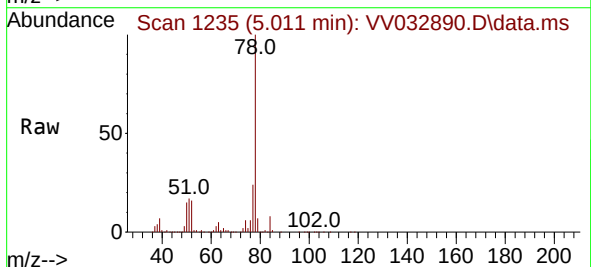
Instrument : MSVOA_V
ClientSampleId : E45K3MS

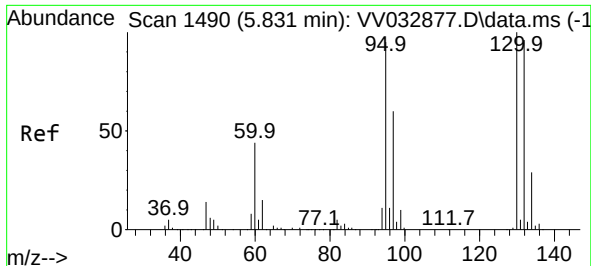
Tgt Ion:117 Resp: 187432
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0



#33
Benzene
Concen: 47.228 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 78 Resp: 483010

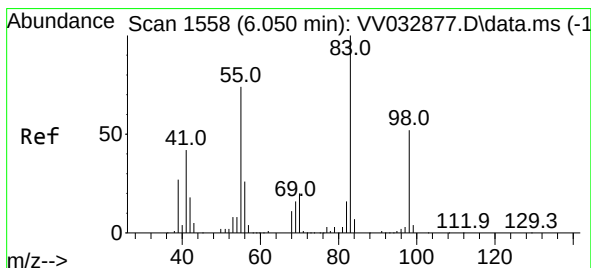
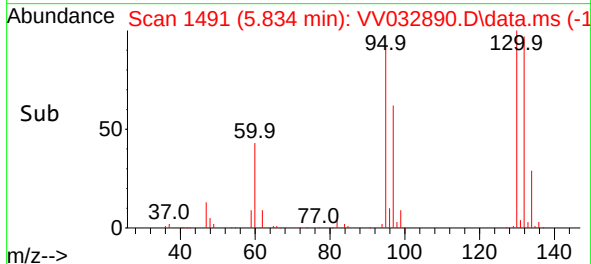
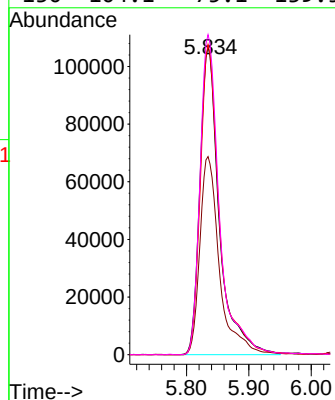
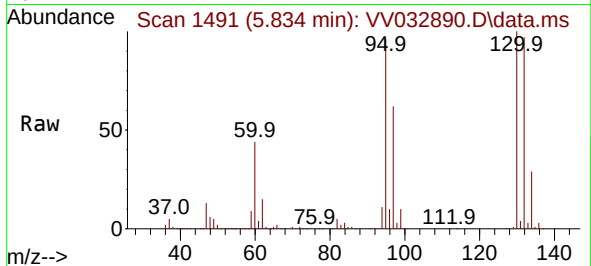




#34
Trichloroethene
Concen: 81.354 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

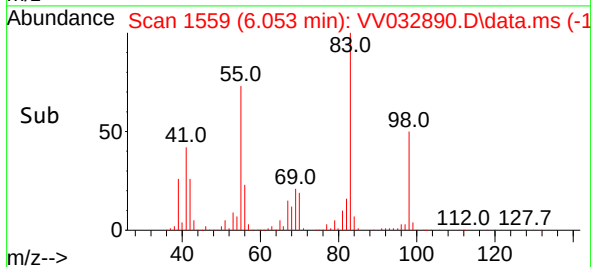
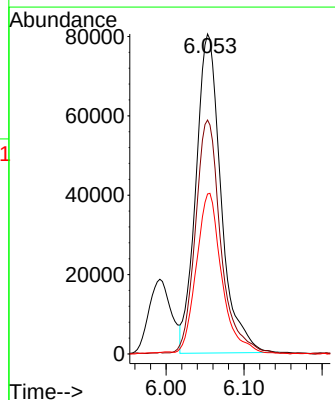
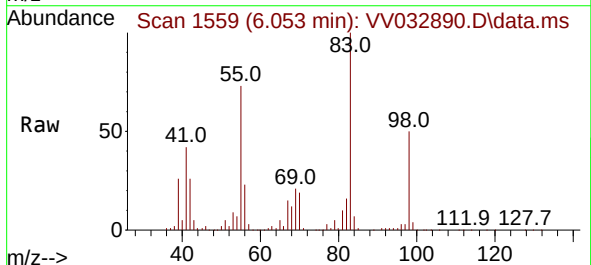
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

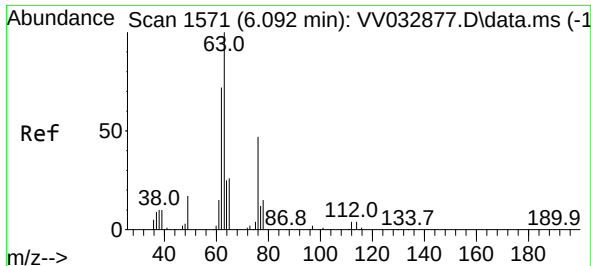
Tgt Ion: 95 Resp: 231610
Ion Ratio Lower Upper
95 100
97 64.4 46.3 85.9
132 100.8 69.0 128.2
130 104.1 75.1 139.5



#35
Methylcyclohexane
Concen: 40.449 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 83 Resp: 180190
Ion Ratio Lower Upper
83 100
55 73.7 57.8 86.8
98 50.1 39.4 59.2





#37

1,2-Dichloropropane

Concen: 47.693 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

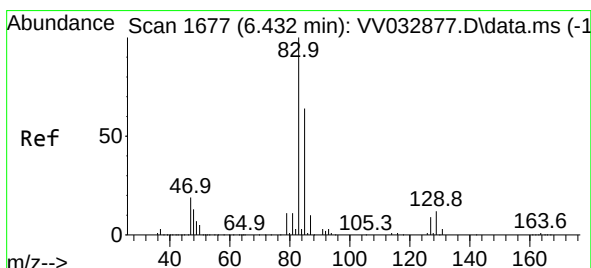
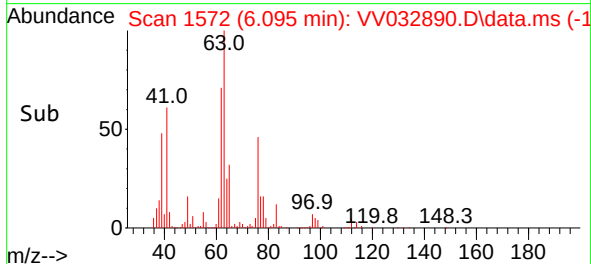
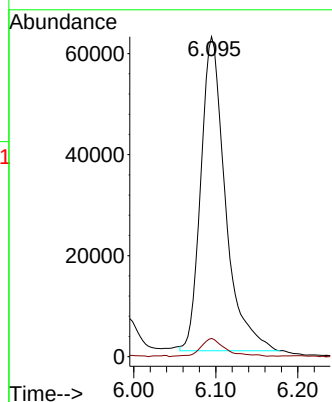
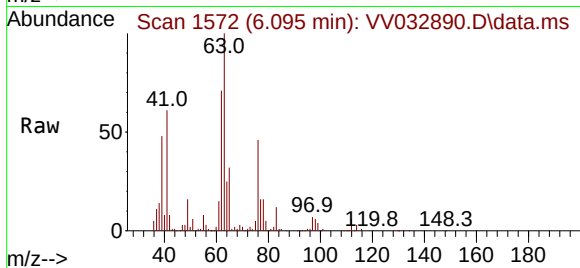
E45K3MS

Tgt Ion: 63 Resp: 129474

Ion Ratio Lower Upper

63 100

112 5.4 4.1 6.1



#38

Bromodichloromethane

Concen: 47.044 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

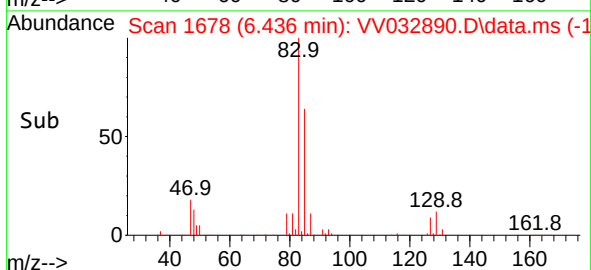
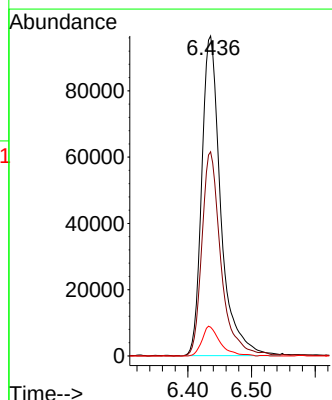
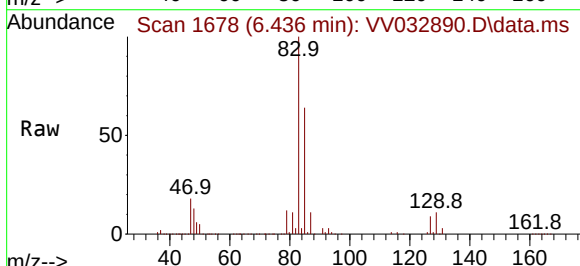
Tgt Ion: 83 Resp: 200357

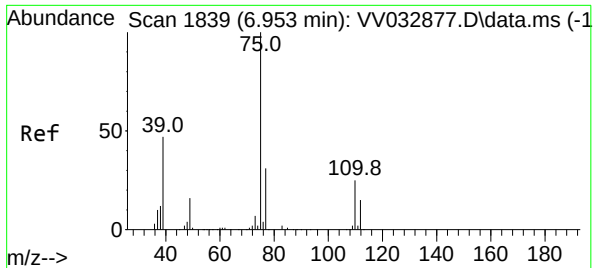
Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 53.513 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

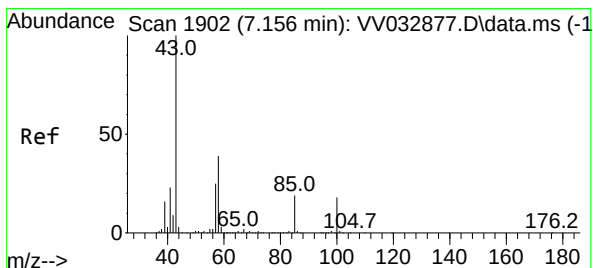
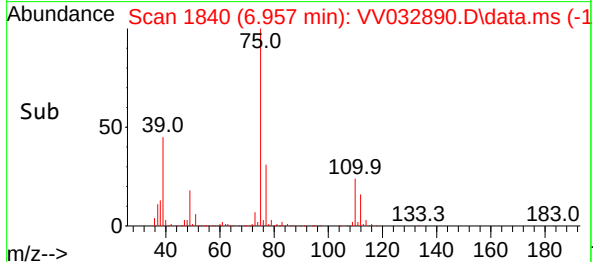
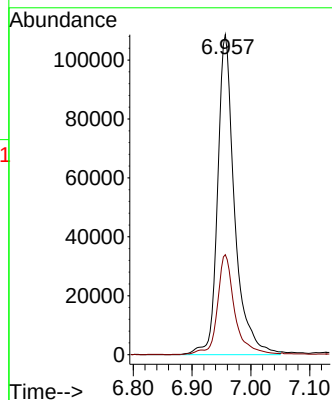
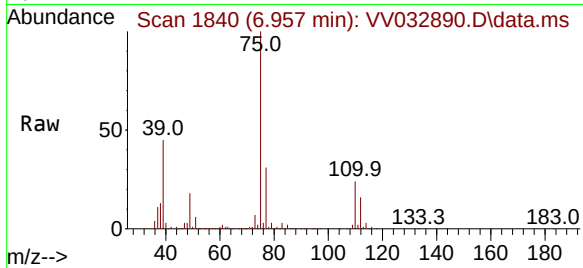
E45K3MS

Tgt Ion: 75 Resp: 217944

Ion Ratio Lower Upper

75 100

77 31.3 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 102.319 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

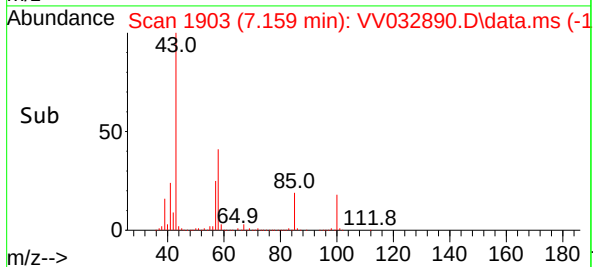
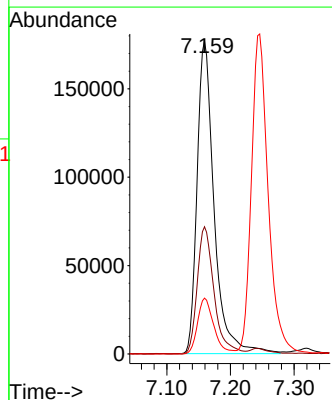
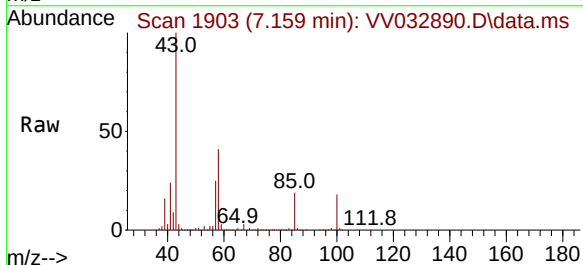
Tgt Ion: 43 Resp: 329189

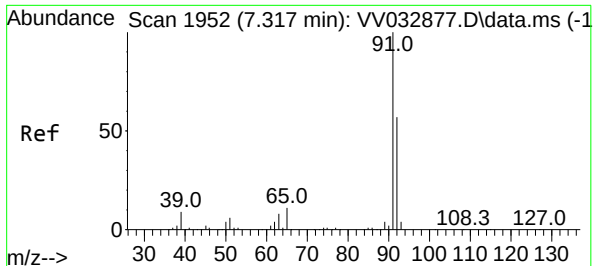
Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.0

100 17.1 13.3 19.9





#42

Toluene

Concen: 48.822 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

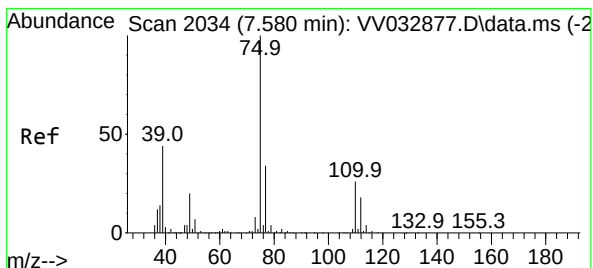
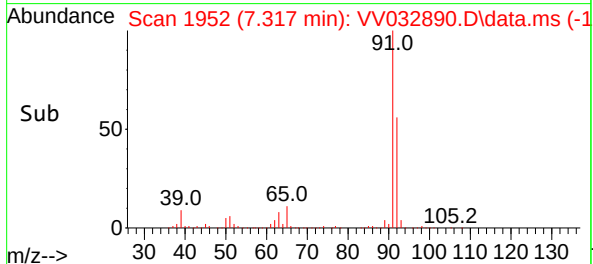
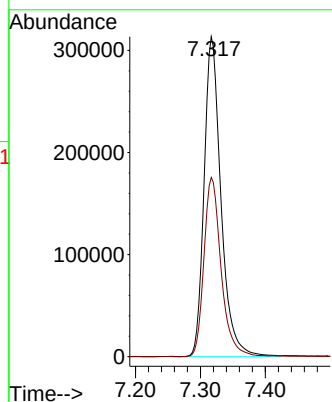
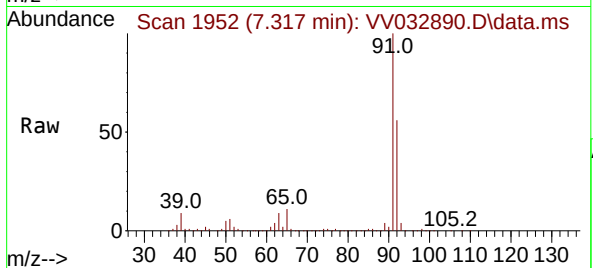
E45K3MS

Tgt Ion: 91 Resp: 568624

Ion Ratio Lower Upper

91 100

92 56.0 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 49.392 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032890.D

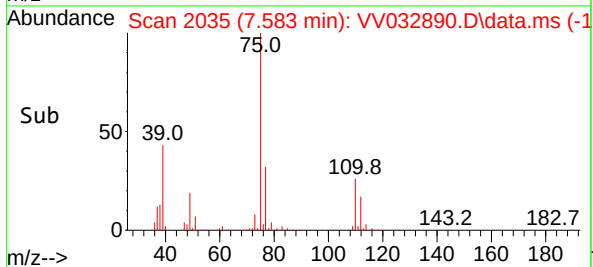
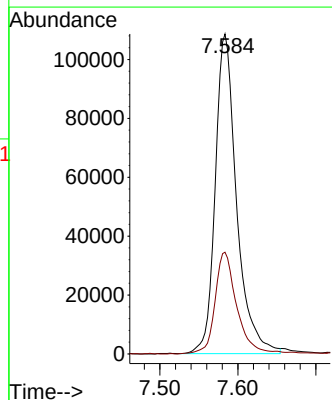
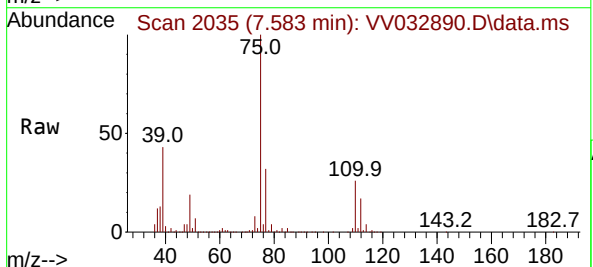
Acq: 10 Nov 2023 14:31

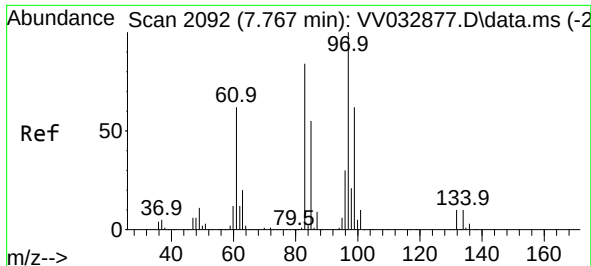
Tgt Ion: 75 Resp: 206620

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



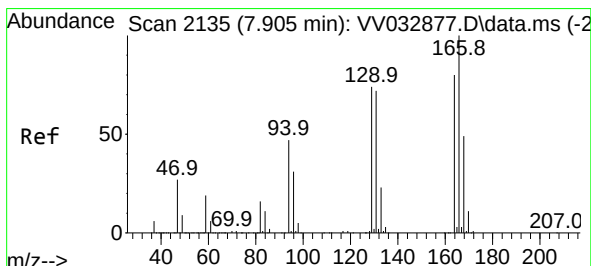
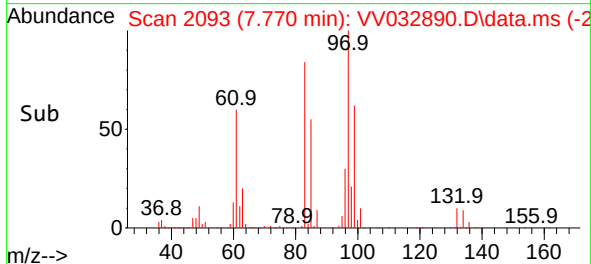
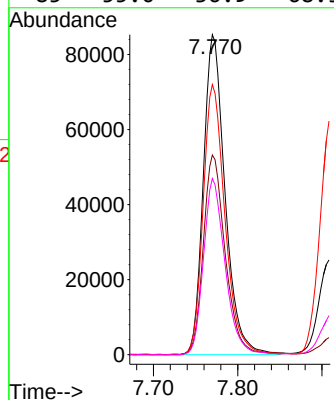
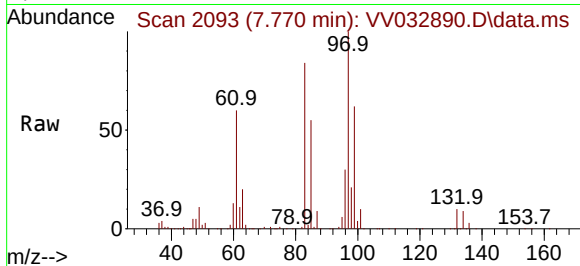


#45
1,1,2-Trichloroethane
Concen: 49.104 ug/L
RT: 7.770 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

Tgt Ion: 97 Resp: 152903

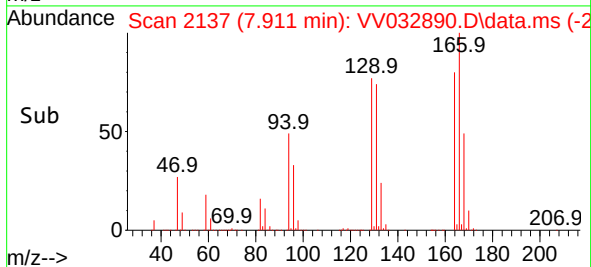
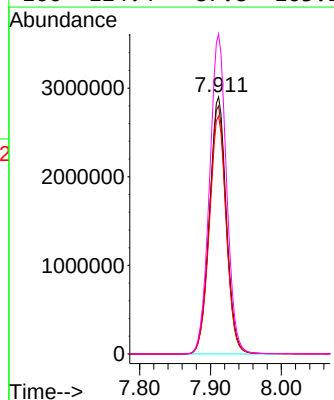
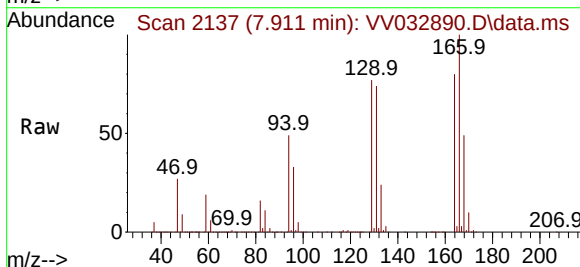
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.8	79.6
83	84.4	58.4	108.4
85	55.0	36.9	68.5

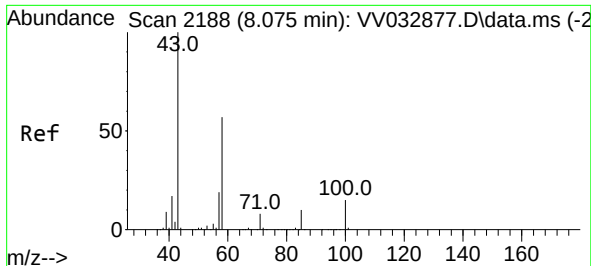


#46
Tetrachloroethene
Concen: 1875.233 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 164 Resp: 4816996

Ion	Ratio	Lower	Upper
164	100		
129	96.3	65.3	121.3
131	92.5	65.0	120.8
166	124.4	87.8	163.2



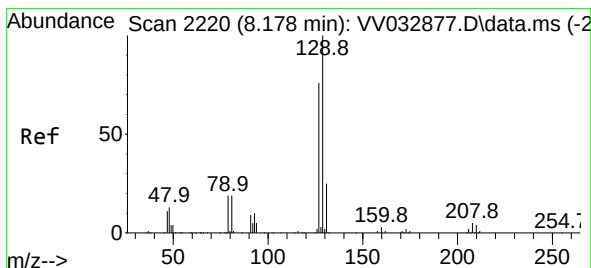
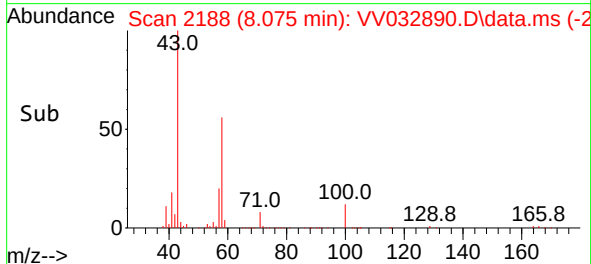
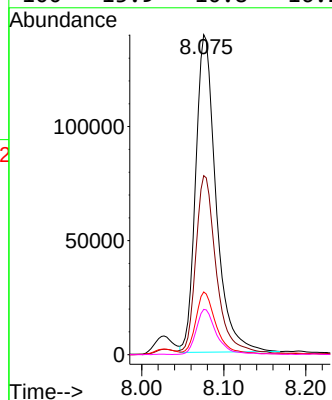
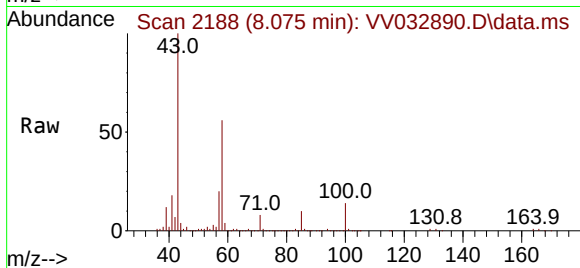


#48
2-Hexanone
Concen: 83.163 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

Tgt Ion: 43 Resp: 240060

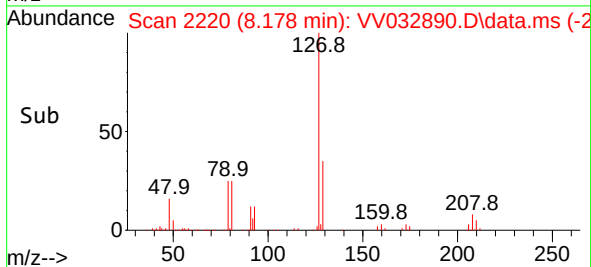
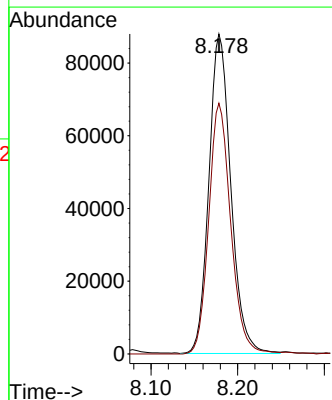
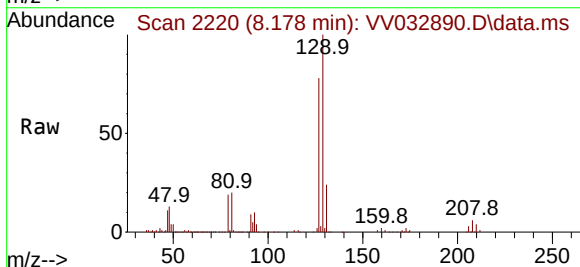
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.3	64.9
57	19.1	15.5	23.3
100	13.9	10.8	16.2

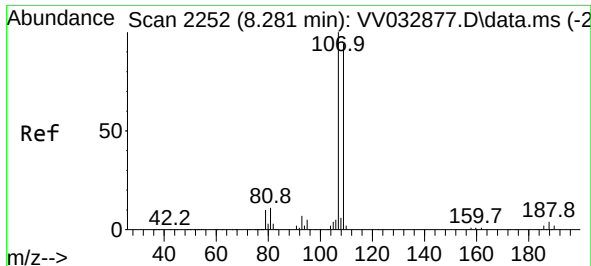


#49
Dibromochloromethane
Concen: 47.528 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 129 Resp: 154725

Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.7	101.5





#50

1,2-Dibromoethane

Concen: 48.926 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

E45K3MS

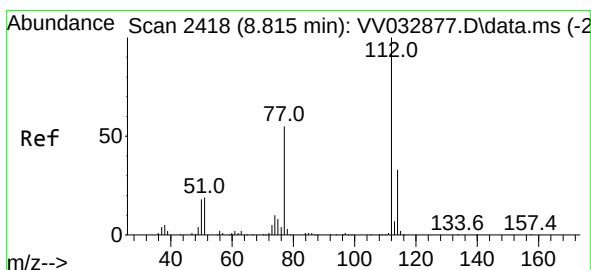
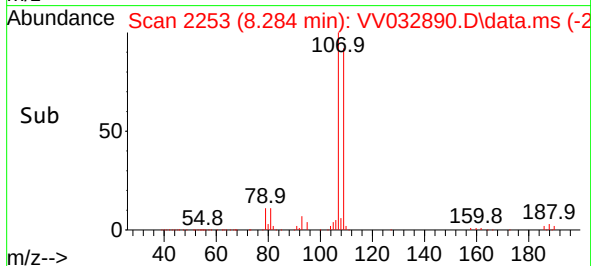
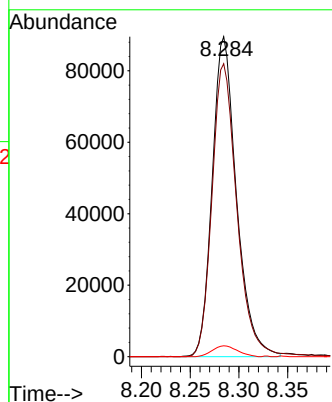
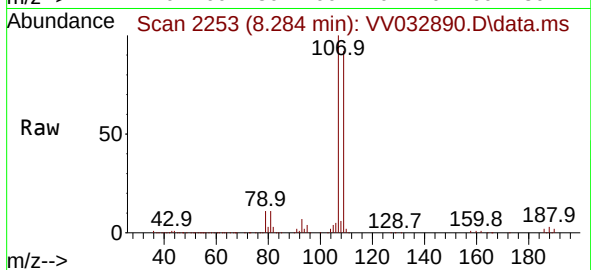
Tgt Ion:107 Resp: 155209

Ion Ratio Lower Upper

107 100

109 91.5 66.4 123.2

188 3.4 3.0 4.6



#51

Chlorobenzene

Concen: 46.404 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

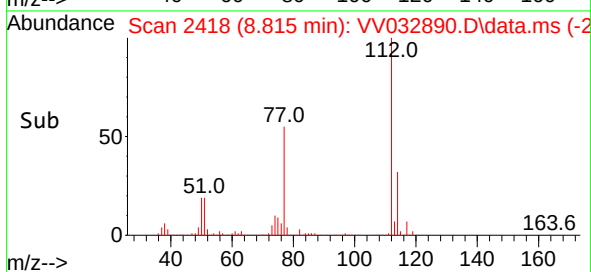
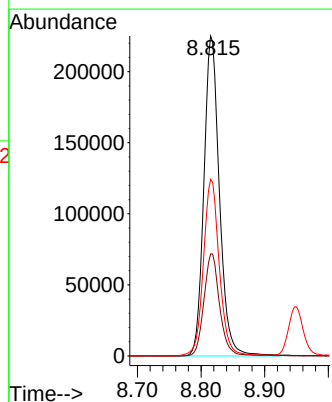
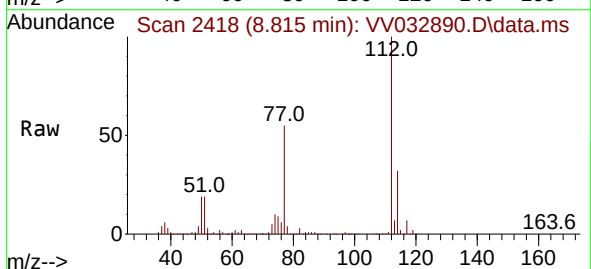
Tgt Ion:112 Resp: 382619

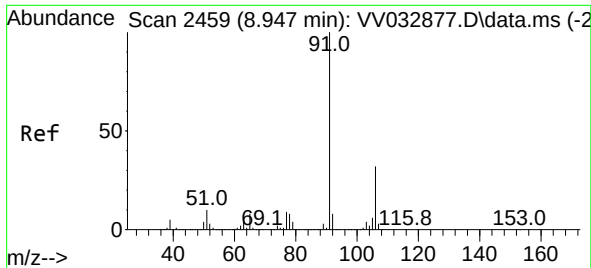
Ion Ratio Lower Upper

112 100

114 31.9 21.6 40.2

77 55.2 44.4 66.6

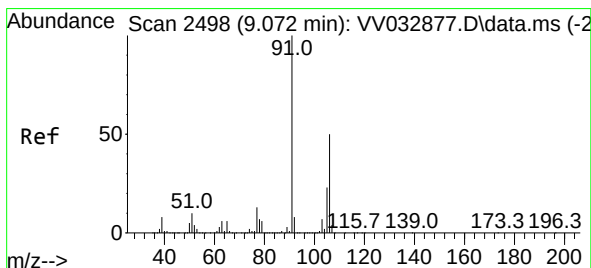
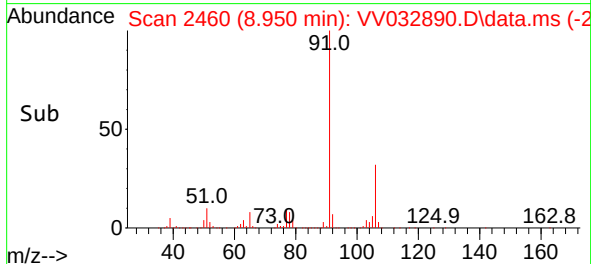
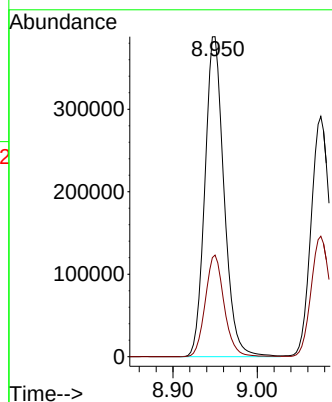
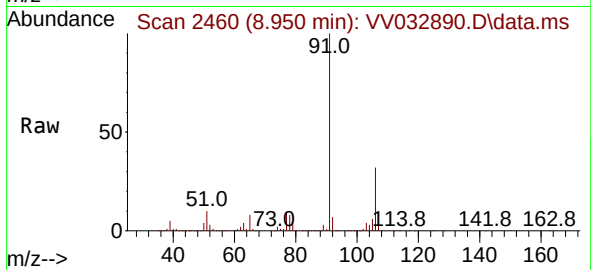




#52
Ethylbenzene
Concen: 47.802 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

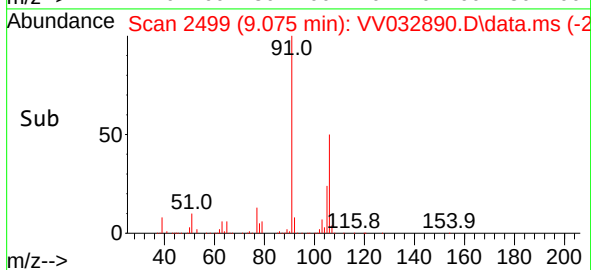
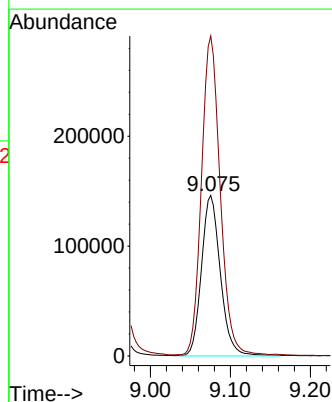
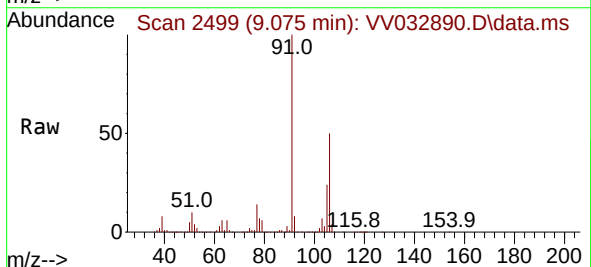
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

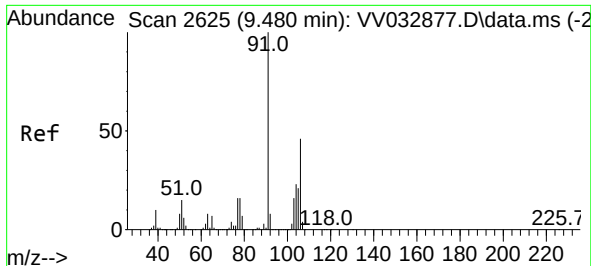
Tgt Ion: 91 Resp: 614136
Ion Ratio Lower Upper
91 100
106 31.8 21.7 40.3



#53
m,p-Xylene
Concen: 49.271 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 106 Resp: 240916
Ion Ratio Lower Upper
106 100
91 199.5 139.7 259.5

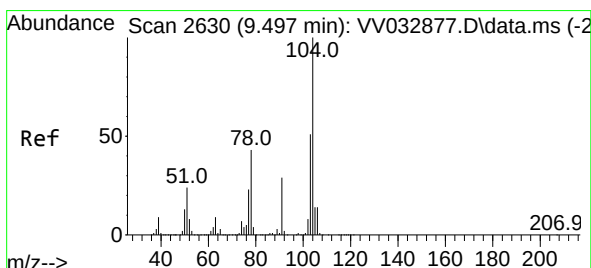
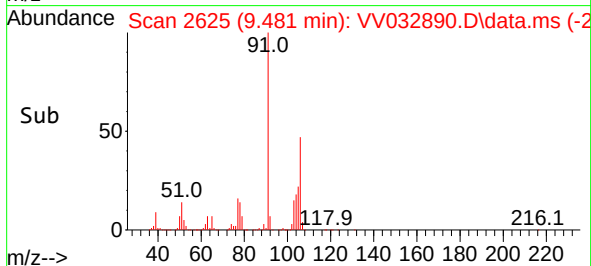
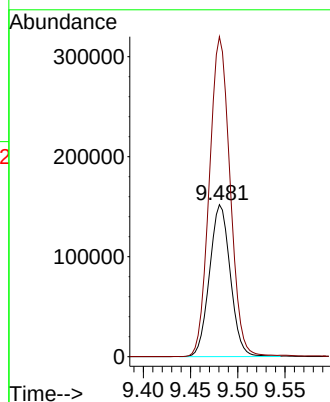
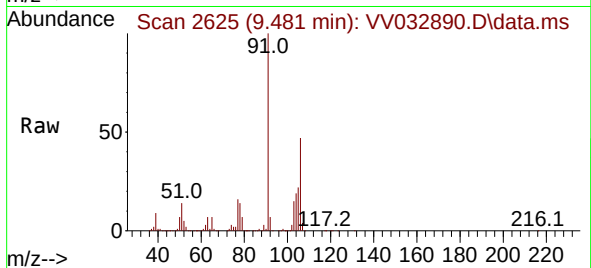




#54
o-Xylene
Concen: 49.096 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

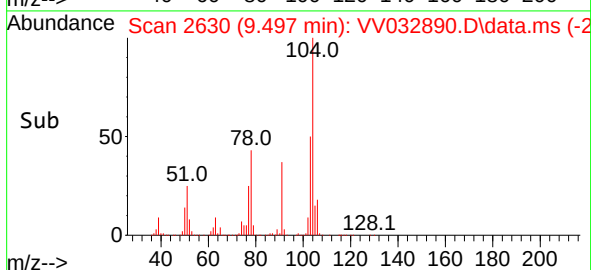
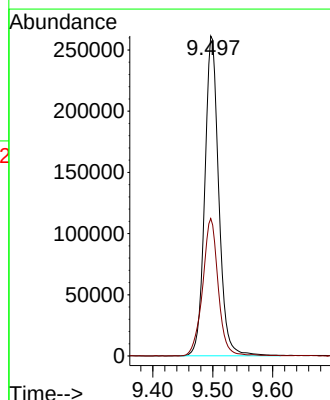
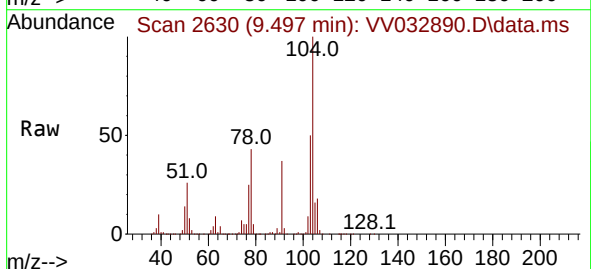
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

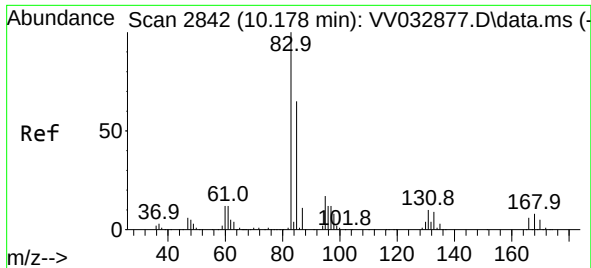
Tgt Ion:106 Resp: 232566
Ion Ratio Lower Upper
106 100
91 210.6 151.0 280.4



#55
Styrene
Concen: 51.661 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion:104 Resp: 426473
Ion Ratio Lower Upper
104 100
78 43.0 30.1 55.9

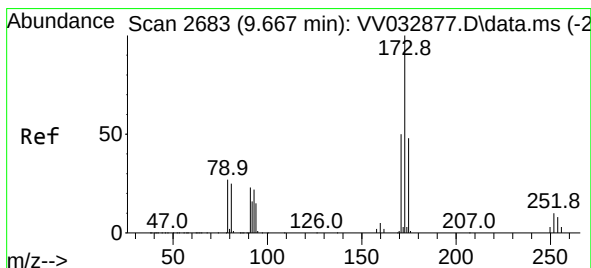
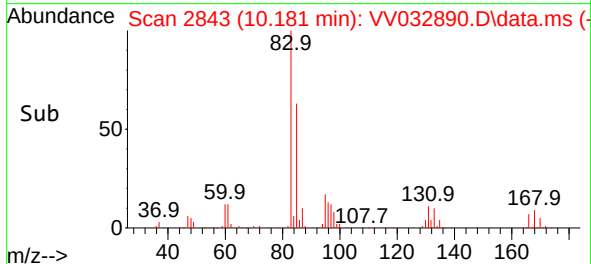
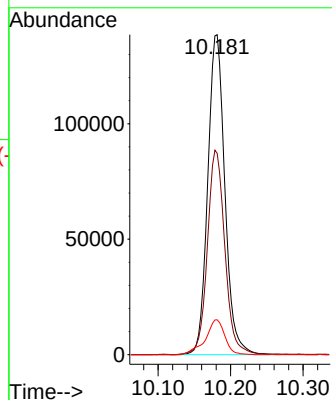
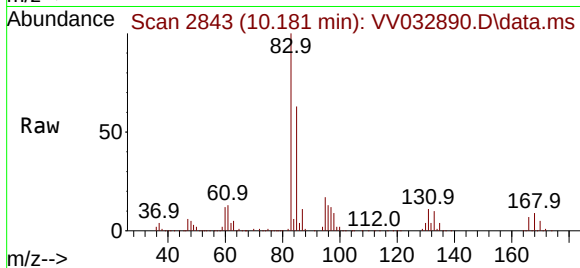




#57
1,1,2,2-Tetrachloroethane
Concen: 48.814 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

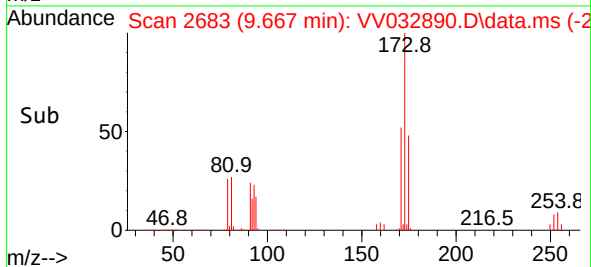
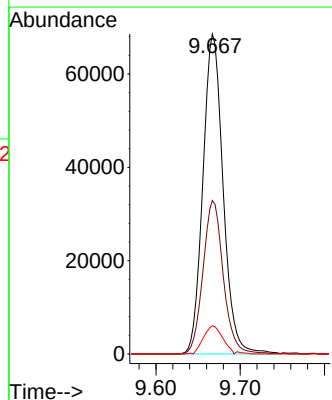
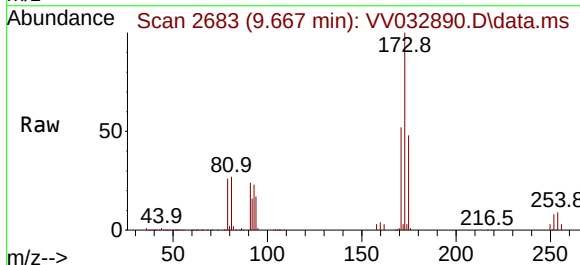
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

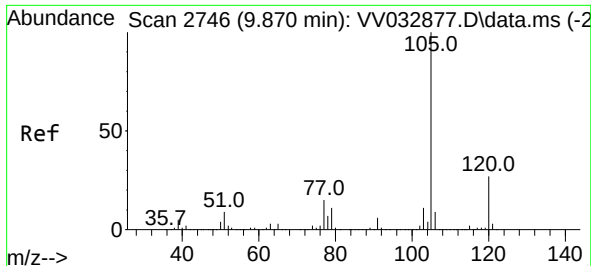
Tgt Ion: 83 Resp: 227650
Ion Ratio Lower Upper
83 100
85 63.0 44.9 83.3
131 10.9 7.8 11.6



#59
Bromoform
Concen: 46.697 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 173 Resp: 114686
Ion Ratio Lower Upper
173 100
175 48.1 38.4 57.6
254 8.2 7.0 10.6

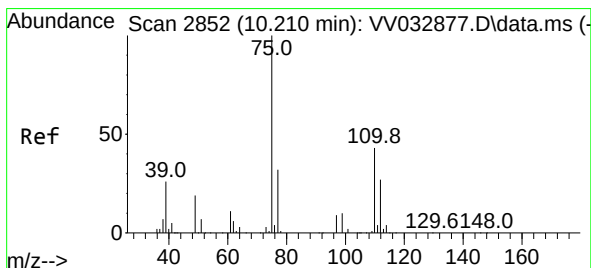
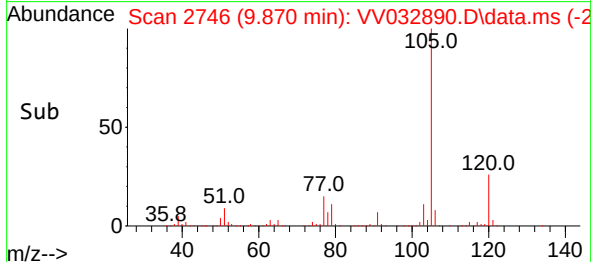
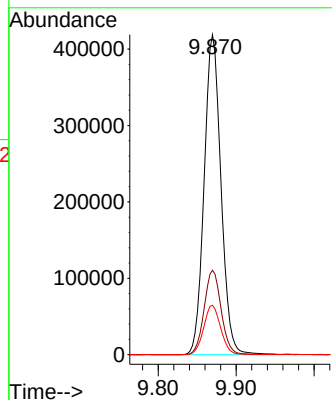
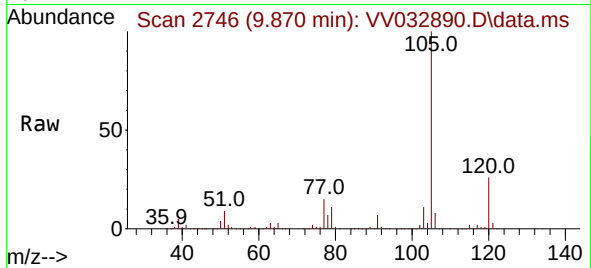




#60
Isopropylbenzene
Concen: 47.401 ug/L
RT: 9.870 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

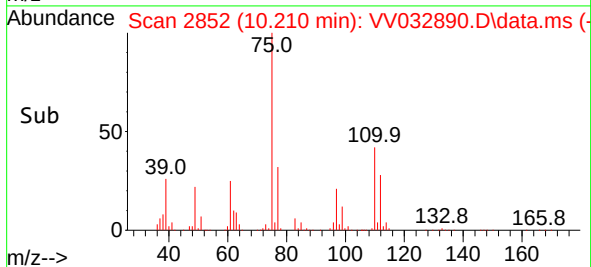
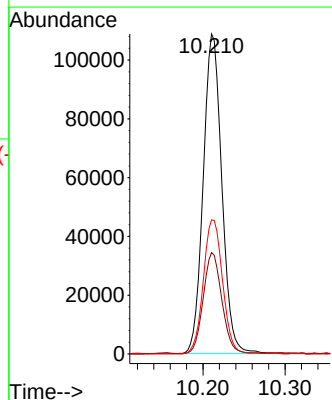
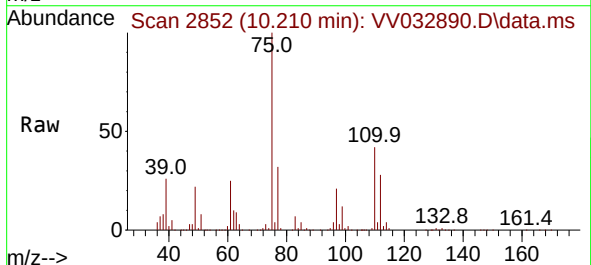
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

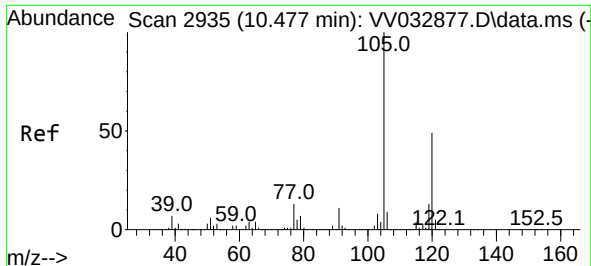
Tgt Ion:105 Resp: 629674
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 46.888 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 75 Resp: 171554
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
110 43.5 34.3 51.5

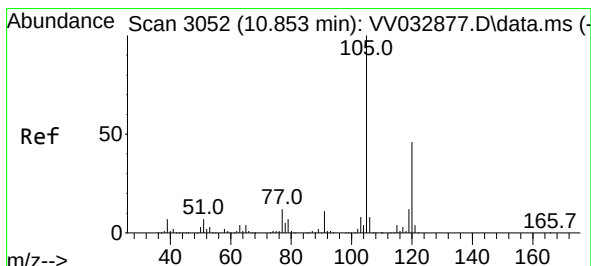
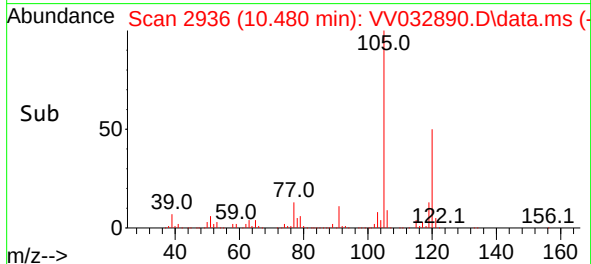
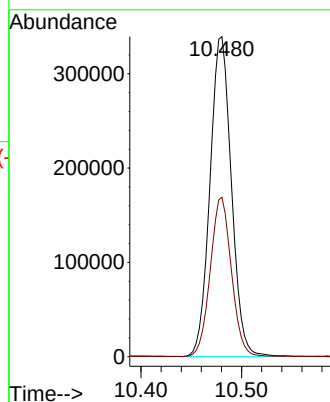
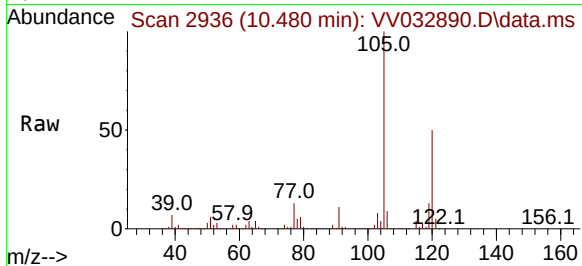




#62
 1,3,5-Trimethylbenzene
 Concen: 48.003 ug/L
 RT: 10.480 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VV032890.D
 Acq: 10 Nov 2023 14:31

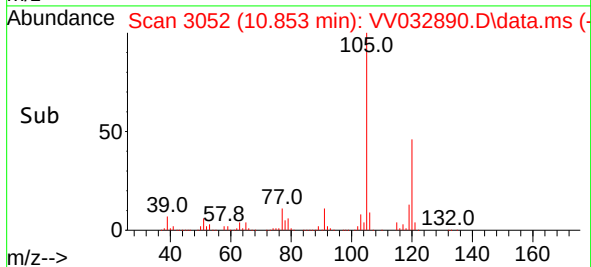
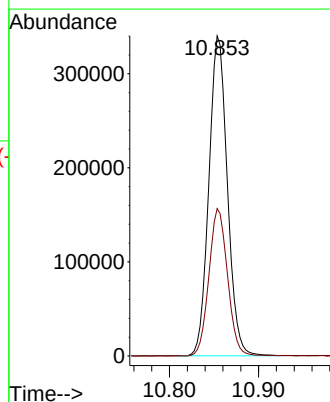
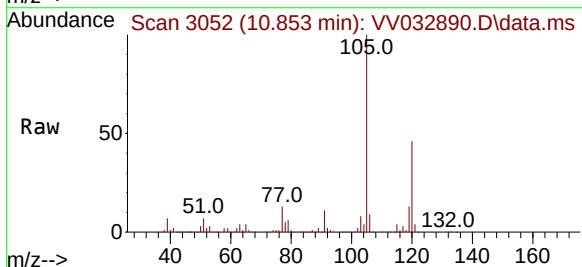
Instrument :
 MSVOA_V
 ClientSampleId :
 E45K3MS

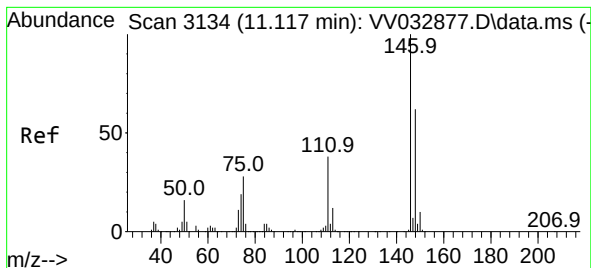
Tgt Ion:105 Resp: 501798
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.9 59.9



#63
 1,2,4-Trimethylbenzene
 Concen: 48.986 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. -0.000 min
 Lab File: VV032890.D
 Acq: 10 Nov 2023 14:31

Tgt Ion:105 Resp: 489844
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 46.751 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. -0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

E45K3MS

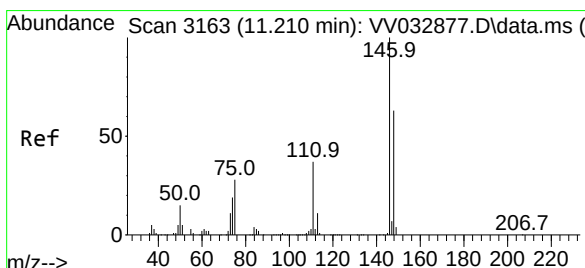
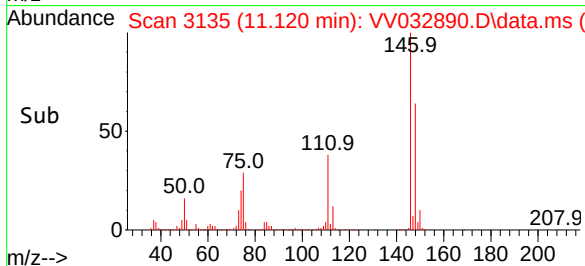
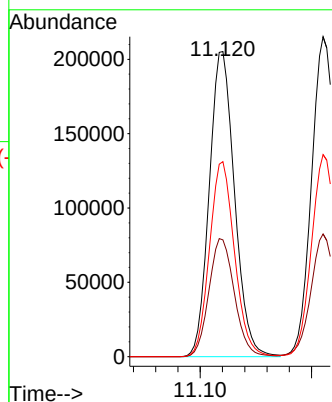
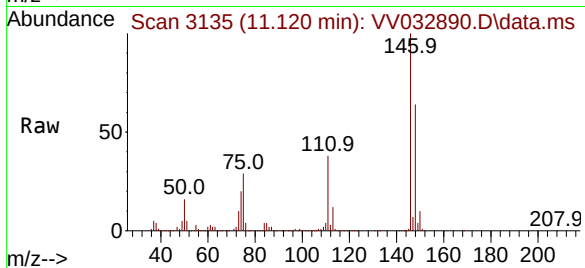
Tgt Ion:146 Resp: 323541

Ion Ratio Lower Upper

146 100

111 38.3 27.2 50.4

148 63.9 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 46.161 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

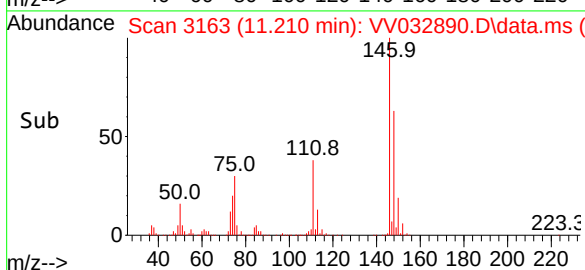
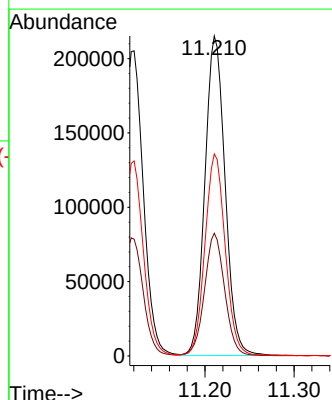
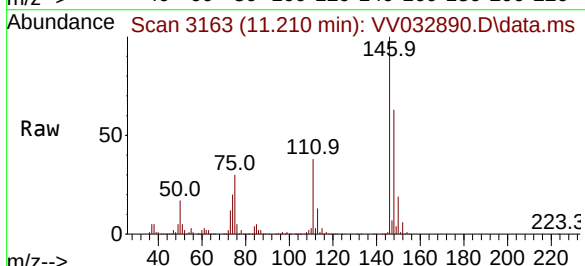
Tgt Ion:146 Resp: 337072

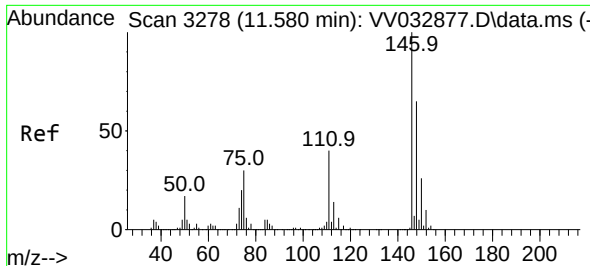
Ion Ratio Lower Upper

146 100

111 38.3 26.5 49.1

148 63.1 44.9 83.5

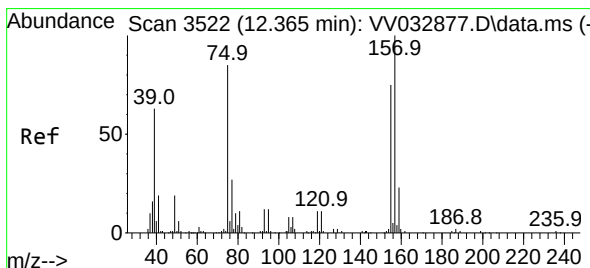
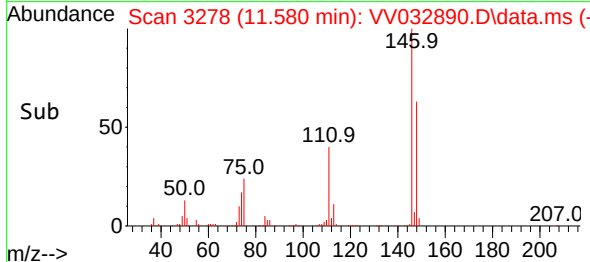
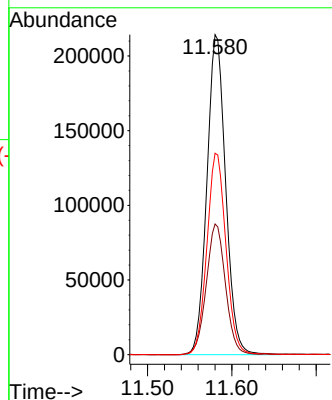
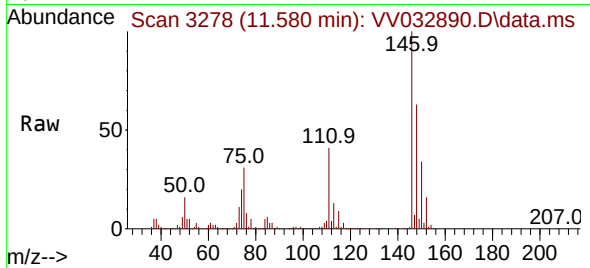




#67
1,2-Dichlorobenzene
Concen: 46.938 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

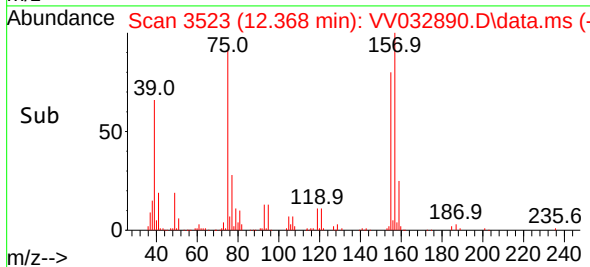
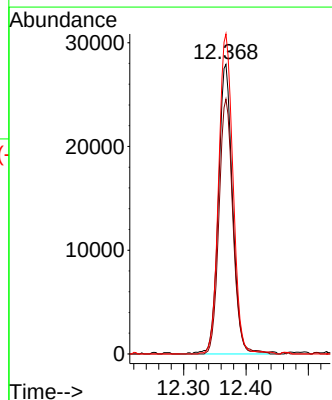
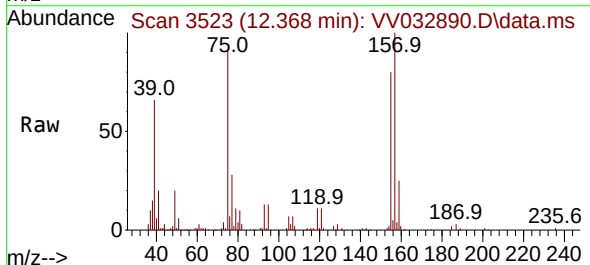
Instrument :
MSVOA_V
ClientSampleId :
E45K3MS

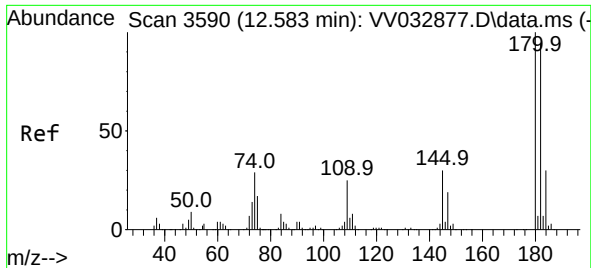
Tgt Ion:146 Resp: 331621
Ion Ratio Lower Upper
146 100
111 40.8 32.5 48.7
148 63.0 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 46.531 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.003 min
Lab File: VV032890.D
Acq: 10 Nov 2023 14:31

Tgt Ion: 75 Resp: 44308
Ion Ratio Lower Upper
75 100
155 88.0 68.6 102.8
157 110.5 87.3 130.9

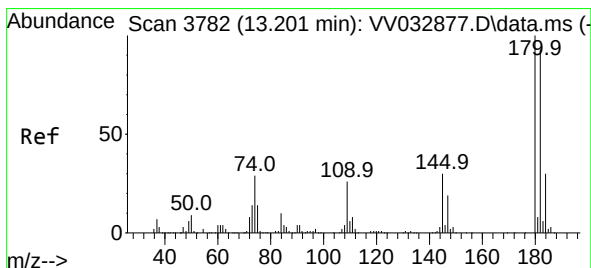
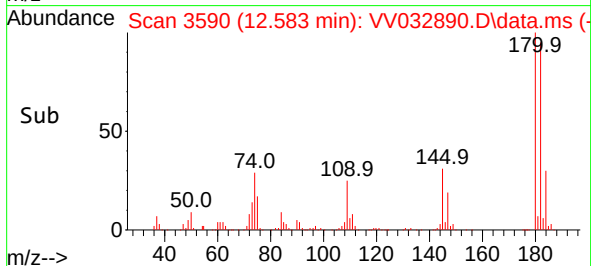
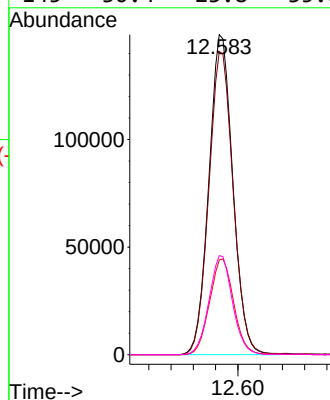
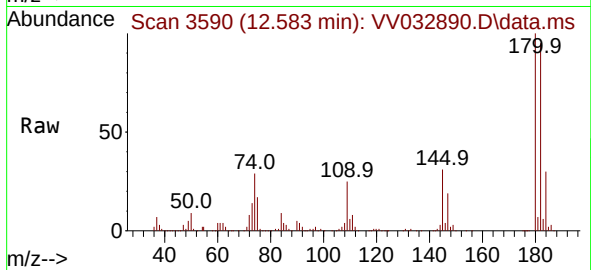




#69
 1,3,5-Trichlorobenzene
 Concen: 44.481 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.000 min
 Lab File: VV032890.D
 Acq: 10 Nov 2023 14:31

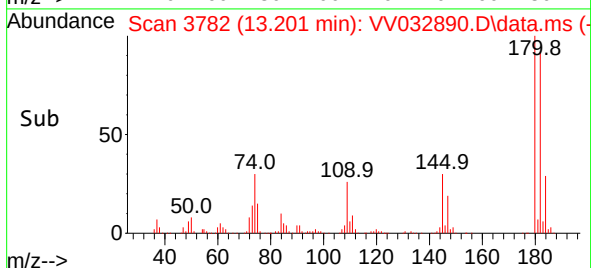
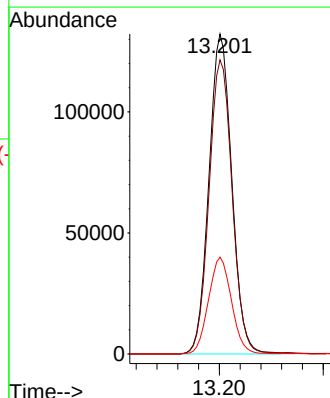
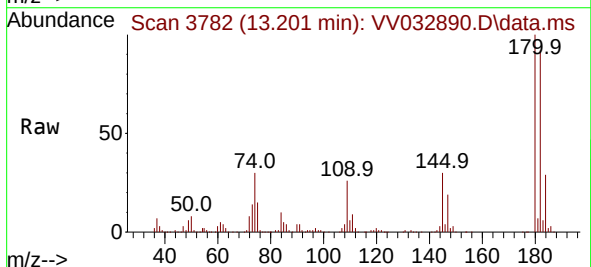
Instrument :
 MSVOA_V
 ClientSampleId :
 E45K3MS

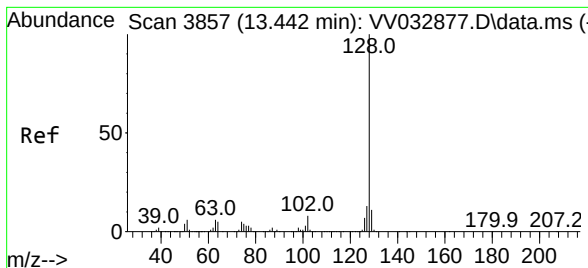
Tgt Ion:180	Resp:	222230
Ion Ratio	Lower	Upper
180	100	
182	96.0	75.9 113.9
184	30.2	23.5 35.3
145	30.4	23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 46.660 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. -0.000 min
 Lab File: VV032890.D
 Acq: 10 Nov 2023 14:31

Tgt Ion:180	Resp:	201601
Ion Ratio	Lower	Upper
180	100	
182	93.3	76.9 115.3
145	30.5	24.7 37.1





#71

Naphthalene

Concen: 50.785 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Instrument :

MSVOA_V

ClientSampleId :

E45K3MS

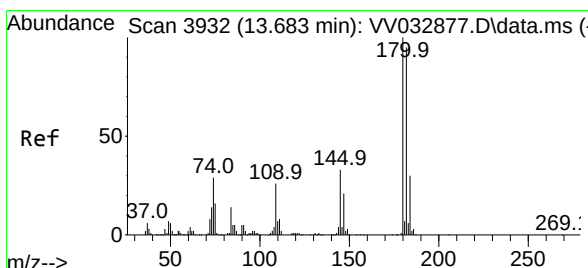
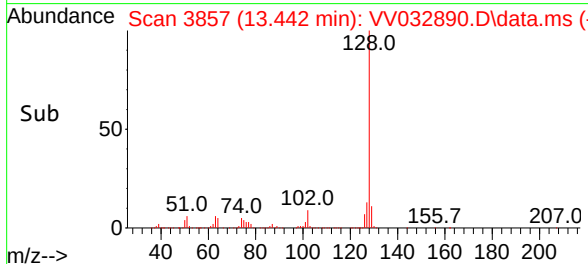
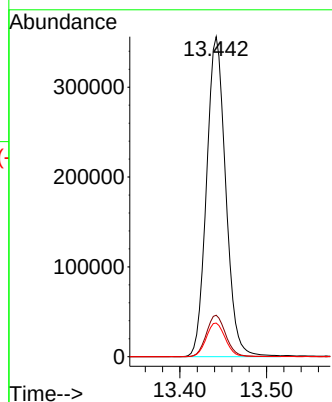
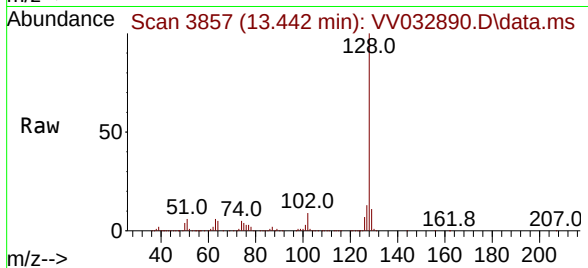
Tgt Ion:128 Resp: 547948

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.4 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 49.937 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032890.D

Acq: 10 Nov 2023 14:31

Tgt Ion:180 Resp: 215422

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 32.1 25.8 38.8

