

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122722\
 Data File : VW025207.D
 Acq On : 27 Dec 2022 09:22
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025518

Quant Time: Dec 28 00:49:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120822SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 23 21:59:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	616238	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	535838	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	259553	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	161419	22.723	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.880%
7) Chloroethane-d5	2.885	69	114049	24.864	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.440%
11) 1,1-Dichloroethene-d2	4.019	63	388726	24.978	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.920%
21) 2-Butanone-d5	7.080	46	104702	58.709	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.420%
24) Chloroform-d	7.647	84	376185	23.649	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	8.305	65	186717	23.147	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	8.275	84	791402	25.185	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.720%
36) 1,2-Dichloropropane-d6	9.274	67	232236	25.399	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.600%
41) Toluene-d8	10.323	98	703524	24.692	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.760%
43) trans-1,3-Dichloroprop...	10.573	79	94390	24.438	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.760%
47) 2-Hexanone-d5	10.920	63	86588	64.545	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.100%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	184514	27.327	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	216321	24.589	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.360%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	59987	16.062	ug/L	100
3) Chloromethane	2.215	50	154894	23.554	ug/L	100
5) Vinyl chloride	2.367	62	211050	25.655	ug/L	99
6) Bromomethane	2.782	94	100239	23.515	ug/L	99
8) Chloroethane	2.922	64	99878	26.249	ug/L	100
9) Trichlorofluoromethane	3.257	101	154217	25.015	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	201229	24.710	ug/L	98
12) 1,1-Dichloroethene	4.044	96	198136	25.520	ug/L	92
13) Acetone	4.135	43	112677	61.463	ug/L	100
14) Carbon disulfide	4.385	76	587663	23.710	ug/L	99
15) Methyl Acetate	4.678	43	87958	29.396	ug/L	99
16) Methylene chloride	4.915	84	215789	22.404	ug/L	99
17) trans-1,2-Dichloroethene	5.428	96	204941	24.900	ug/L	99
18) Methyl tert-butyl Ether	5.428	73	314627	25.763	ug/L	99
19) 1,1-Dichloroethane	6.214	63	374326	25.170	ug/L	97
20) cis-1,2-Dichloroethene	7.165	96	219703	25.245	ug/L	94
22) 2-Butanone	7.177	43	135347	58.685	ug/L	97
23) Bromochloromethane	7.513	128	93539	25.399	ug/L	97
25) Chloroform	7.677	83	367188	24.398	ug/L	99

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 Response via : Initial Calibration

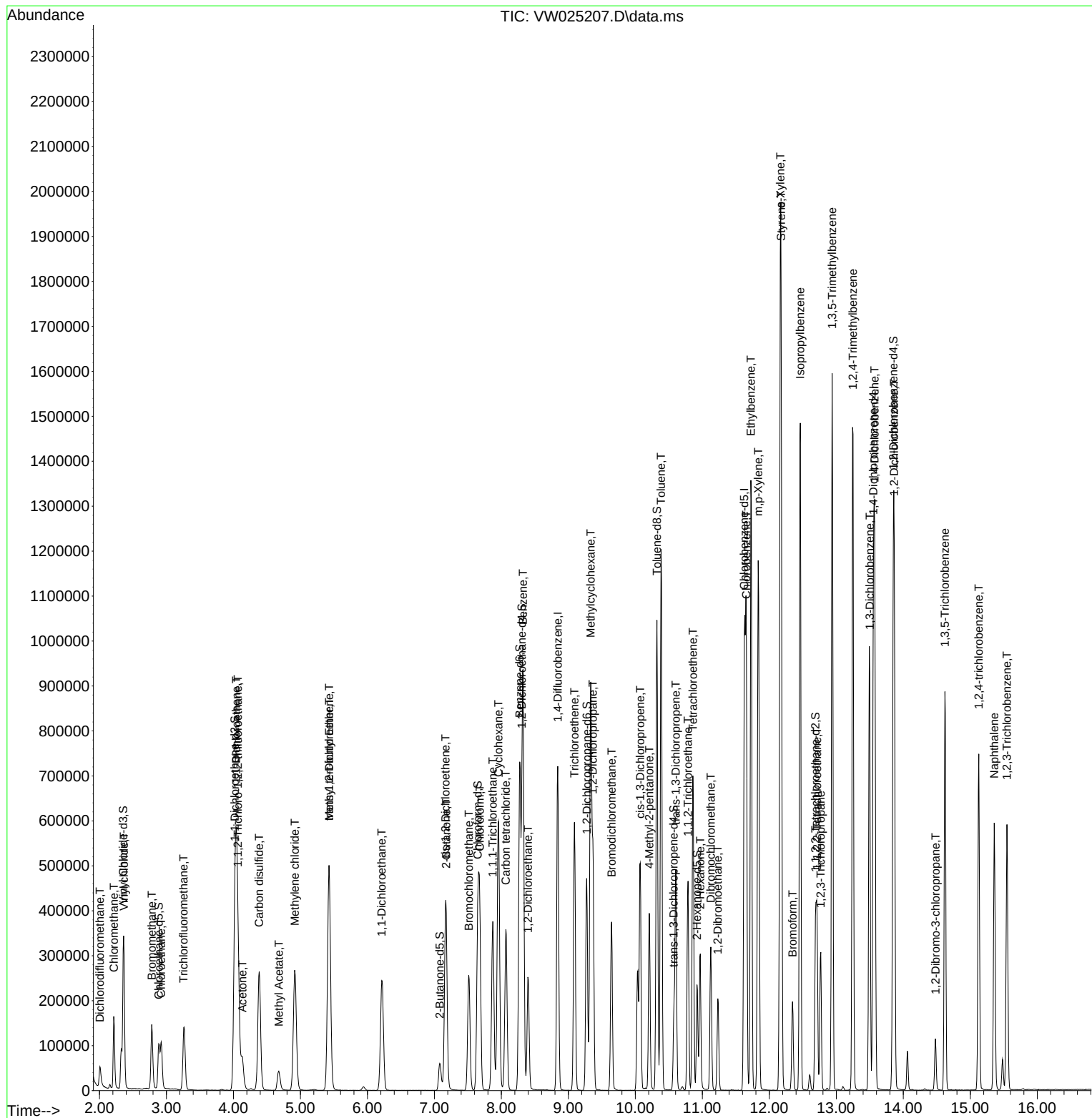
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	225489	23.797	ug/L	98
29) Cyclohexane	7.958	56	365381	26.929	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	308727	24.408	ug/L	99
31) Carbon tetrachloride	8.067	117	275021	23.647	ug/L	98
33) Benzene	8.323	78	849849	25.603	ug/L	100
34) Trichloroethene	9.092	95	218372	25.115	ug/L	97
35) Methylcyclohexane	9.335	83	395102	25.619	ug/L	99
37) 1,2-Dichloropropane	9.366	63	211491	26.416	ug/L	99
38) Bromodichloromethane	9.646	83	261969	24.769	ug/L	100
39) cis-1,3-Dichloropropene	10.073	75	324444	26.522	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	252548	61.536	ug/L	100
42) Toluene	10.384	91	888621	25.551	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	275417	26.290	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	150403	26.325	ug/L	100
46) Tetrachloroethene	10.859	164	153536	24.257	ug/L	97
48) 2-Hexanone	10.969	43	194663	64.937	ug/L	98
49) Dibromochloromethane	11.128	129	171522	24.997	ug/L	91
50) 1,2-Dibromoethane	11.231	107	141671	26.633	ug/L	97
51) Chlorobenzene	11.658	112	550046	24.713	ug/L	98
52) Ethylbenzene	11.725	91	986119	25.020	ug/L	99
53) m,p-Xylene	11.835	106	383222	25.461	ug/L	96
54) o-Xylene	12.164	106	363700	25.354	ug/L	97
55) Styrene	12.176	104	612250	25.203	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	185210	27.719	ug/L #	96
59) Bromoform	12.347	173	93648	26.274	ug/L	99
60) Isopropylbenzene	12.463	105	996014	25.035	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	132821	26.623	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	860892	25.262	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	835947	25.250	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	398706	24.479	ug/L	97
65) 1,4-Dichlorobenzene	13.572	146	410673	25.037	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	367630	25.882	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	30486	26.209	ug/L	98
69) 1,3,5-Trichlorobenzene	14.621	180	269757	23.325	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	220033	23.712	ug/L	99
71) Naphthalene	15.359	128	490285	26.952	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	184146	22.644	ug/L	99

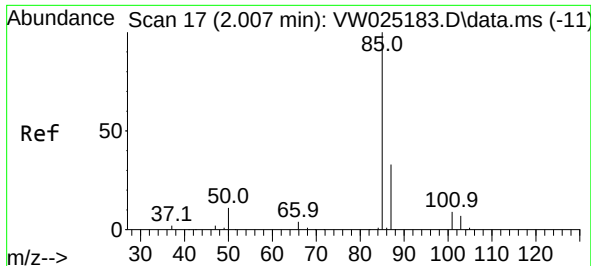
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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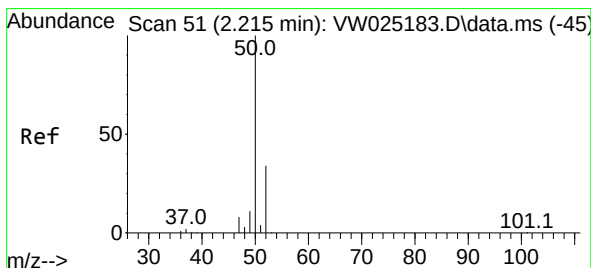
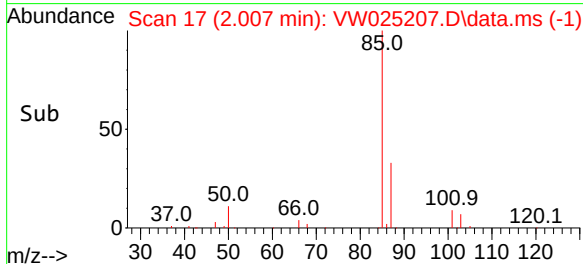
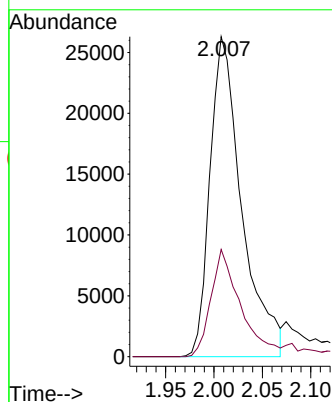
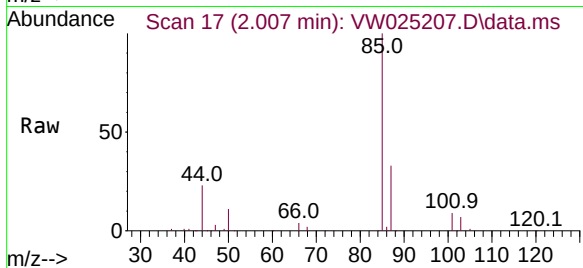




#2
 Dichlorodifluoromethane
 Concen: 16.062 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW025207.D
 Acq: 27 Dec 2022 09:22

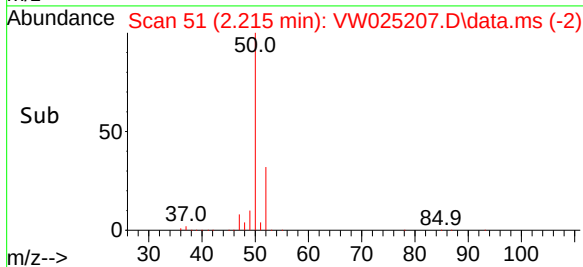
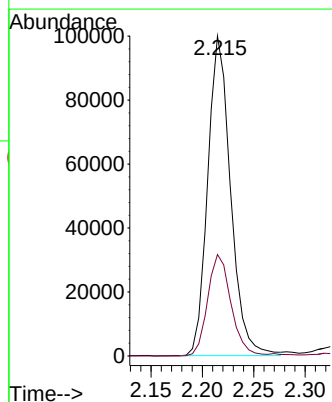
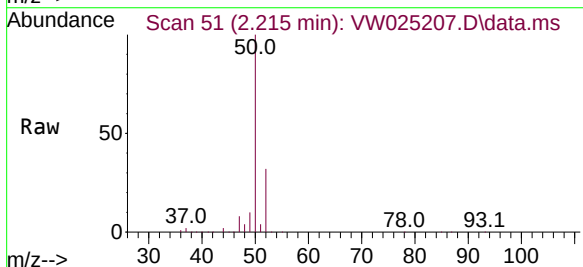
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025518

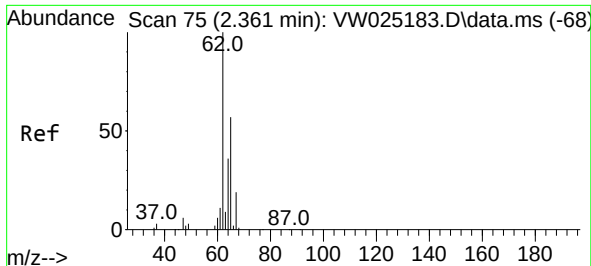
Tgt Ion: 85 Resp: 59987
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.0 37.6



#3
 Chloromethane
 Concen: 23.554 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW025207.D
 Acq: 27 Dec 2022 09:22

Tgt Ion: 50 Resp: 154894
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.1 41.1

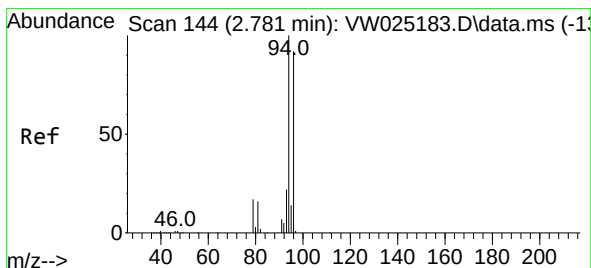
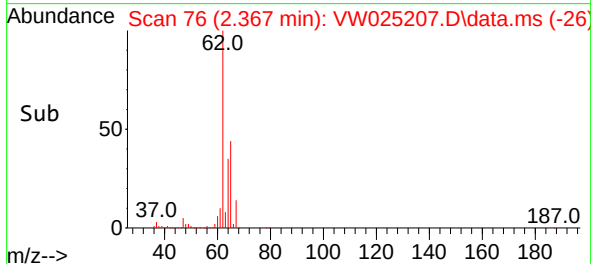
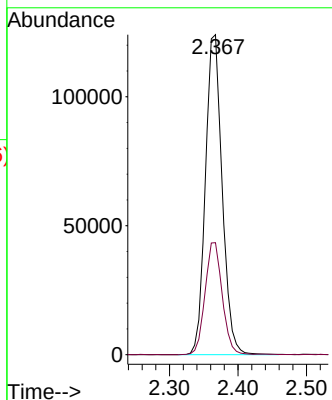
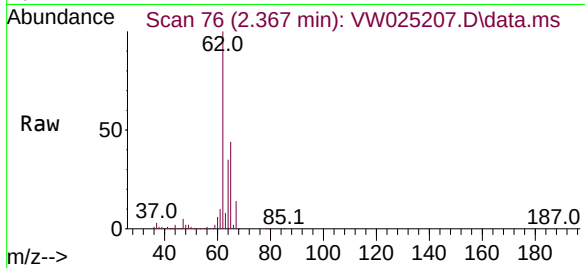




#5
 Vinyl chloride
 Concen: 25.655 ug/L
 RT: 2.367 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW025207.D
 Acq: 27 Dec 2022 09:22

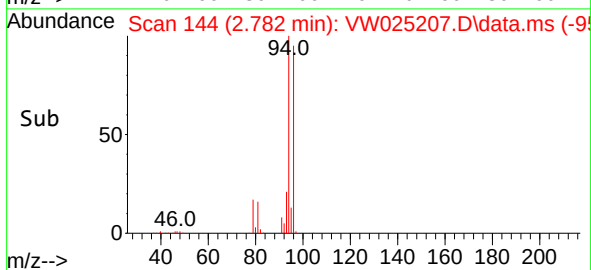
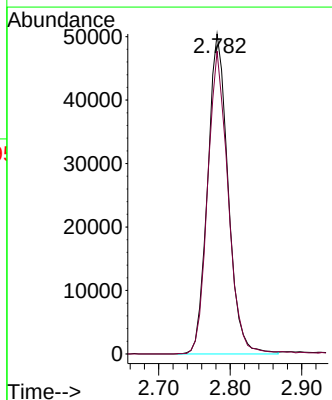
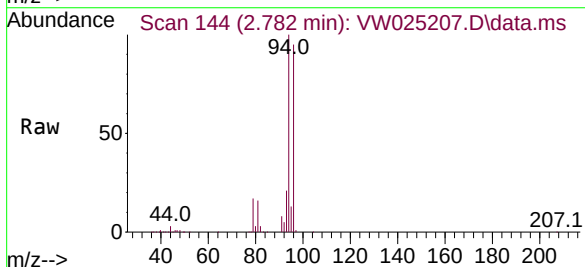
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 ClientSampleId :
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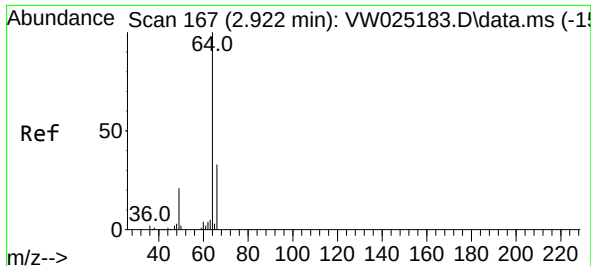
Tgt Ion: 62 Resp: 211050
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.8 46.1



#6
 Bromomethane
 Concen: 23.515 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.000 min
 Lab File: VW025207.D
 Acq: 27 Dec 2022 09:22

Tgt Ion: 94 Resp: 100239
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.7 123.9

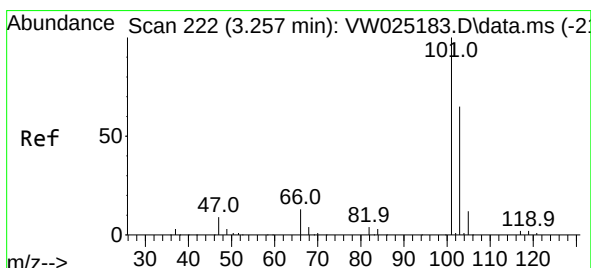
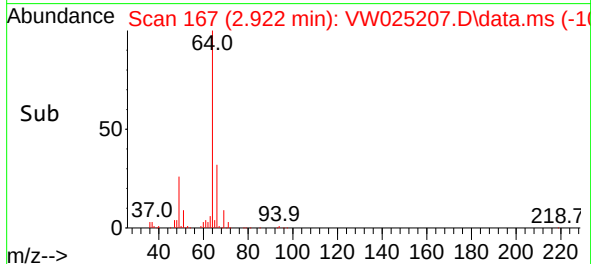
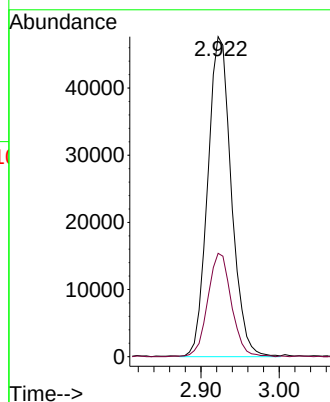
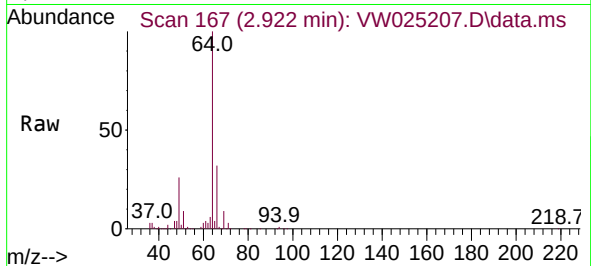




#8
Chloroethane
Concen: 26.249 ug/L
RT: 2.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

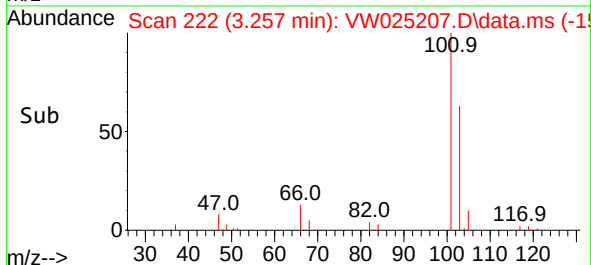
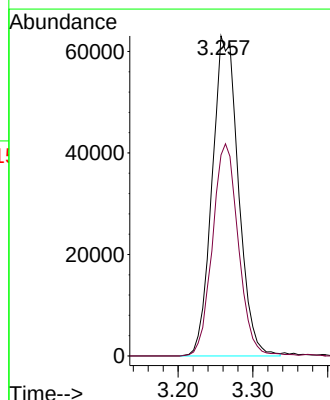
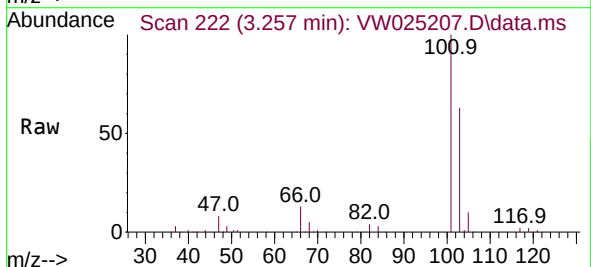
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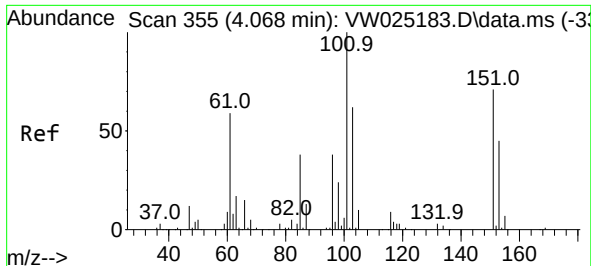
Tgt Ion: 64 Resp: 99878
Ion Ratio Lower Upper
64 100
66 32.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 25.015 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion:101 Resp: 154217
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3

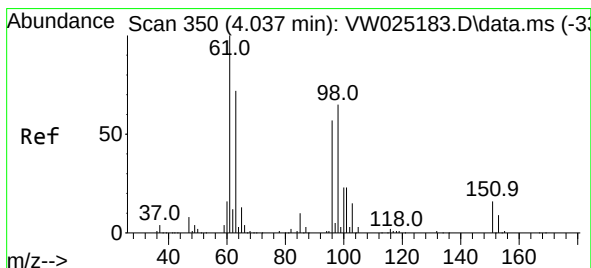
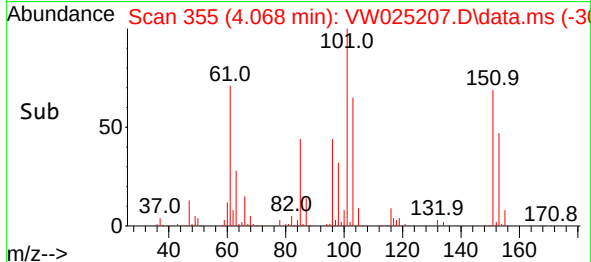
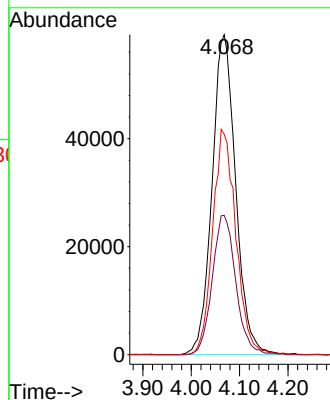
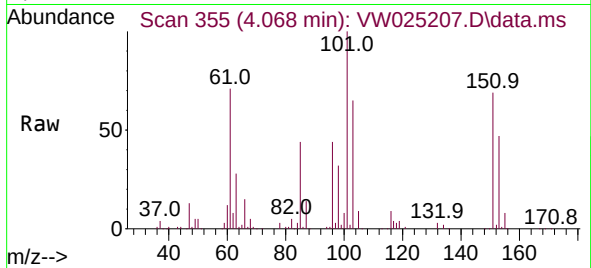




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.710 ug/L
 RT: 4.068 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VW025207.D
 Acq: 27 Dec 2022 09:22

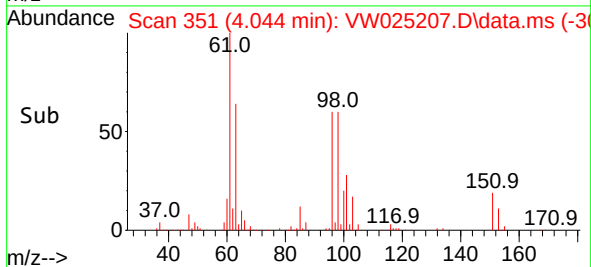
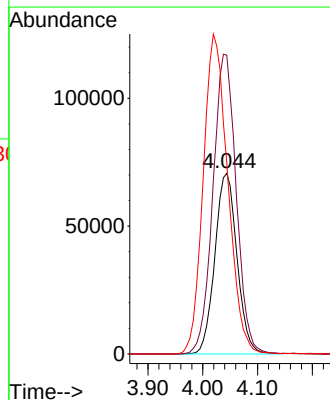
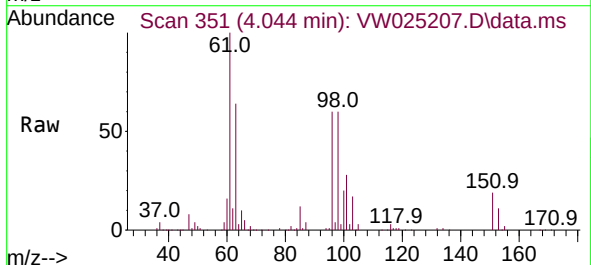
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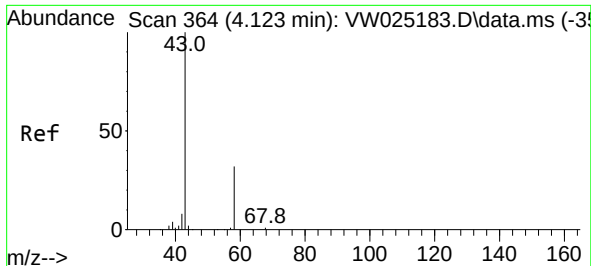
Tgt Ion:101 Resp: 201229
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.6 52.0
 151 69.2 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 25.520 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW025207.D
 Acq: 27 Dec 2022 09:22

Tgt Ion: 96 Resp: 198136
 Ion Ratio Lower Upper
 96 100
 61 165.5 120.8 224.4
 63 105.9 84.1 156.1





#13

Acetone

Concen: 61.463 ug/L

RT: 4.135 min Scan# 366

Delta R.T. 0.012 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

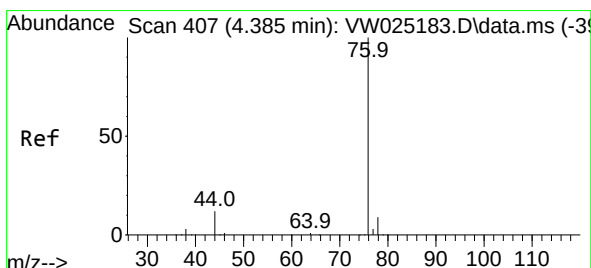
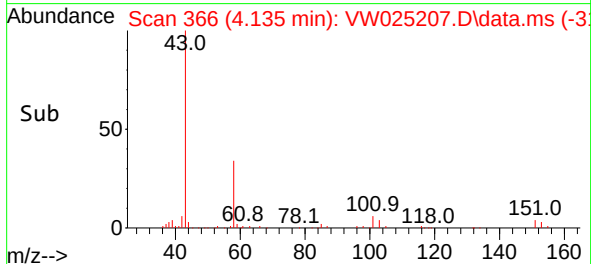
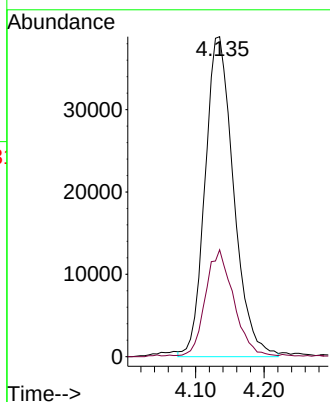
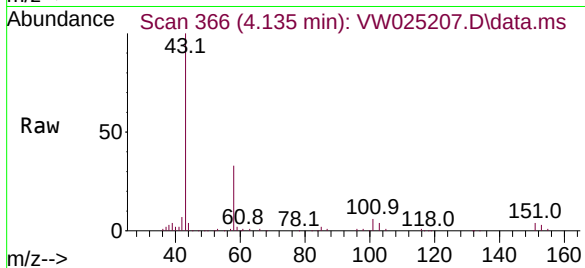
VSTD025518

Tgt Ion: 43 Resp: 112677

Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.2



#14

Carbon disulfide

Concen: 23.710 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.000 min

Lab File: VW025207.D

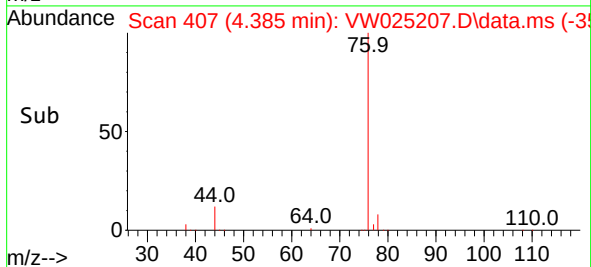
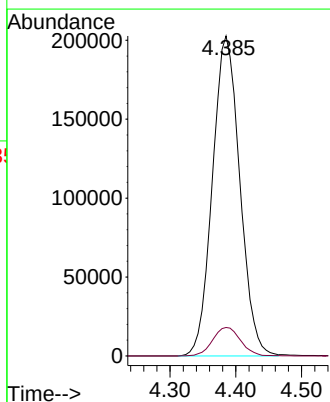
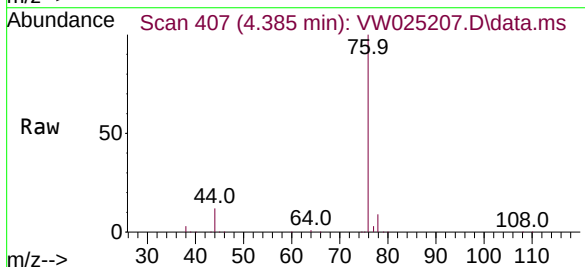
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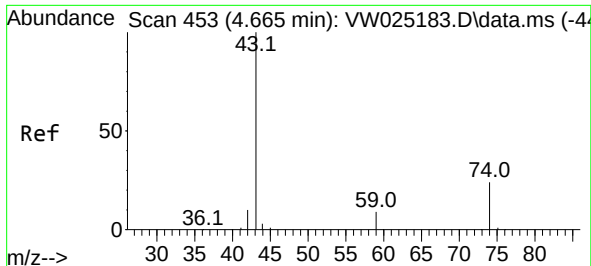
Tgt Ion: 76 Resp: 587663

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

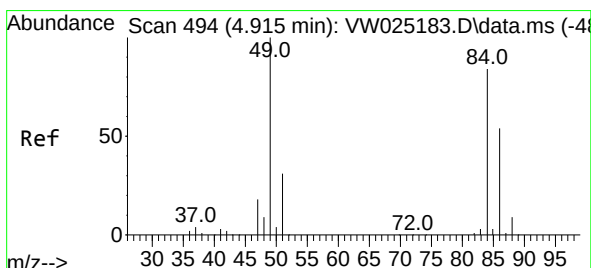
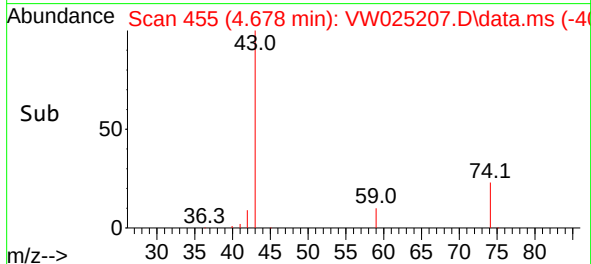
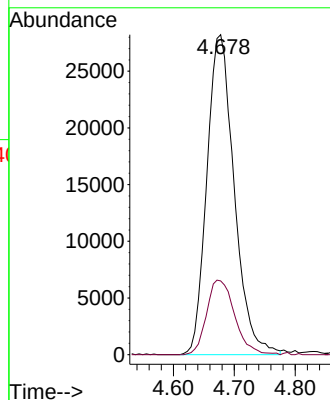
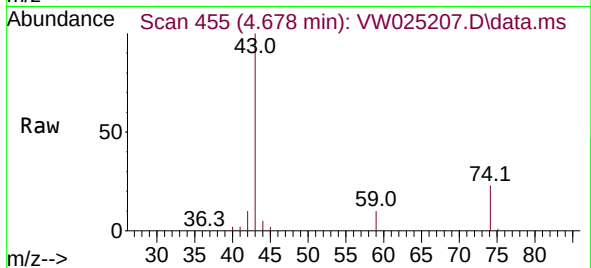




#15
Methyl Acetate
Concen: 29.396 ug/L
RT: 4.678 min Scan# 41
Delta R.T. 0.012 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

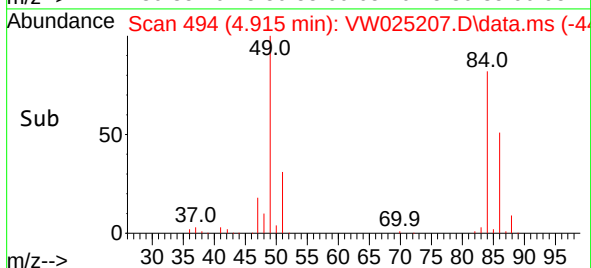
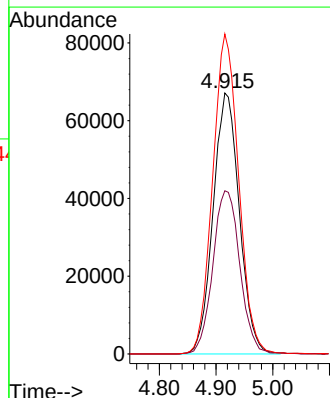
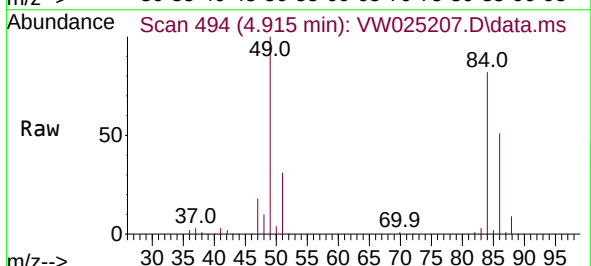
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

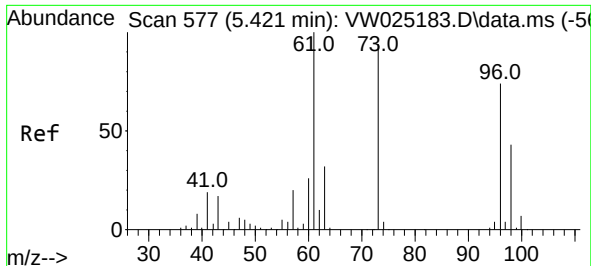
Tgt Ion: 43 Resp: 87958
Ion Ratio Lower Upper
43 100
74 23.9 19.5 29.3



#16
Methylene chloride
Concen: 22.404 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 84 Resp: 215789
Ion Ratio Lower Upper
84 100
86 62.6 45.0 83.6
49 122.6 86.3 160.3

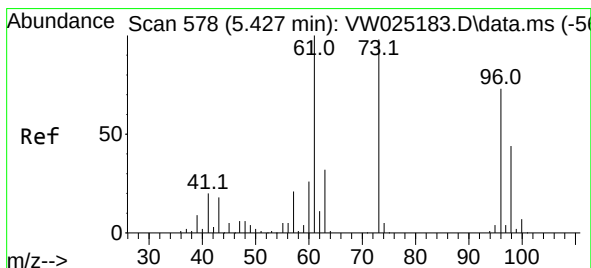
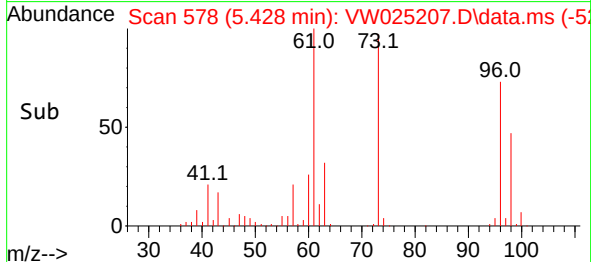
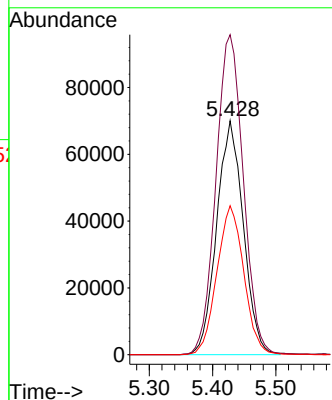
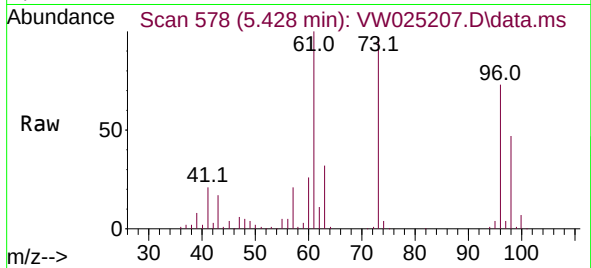




#17
trans-1,2-Dichloroethene
Concen: 24.900 ug/L
RT: 5.428 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

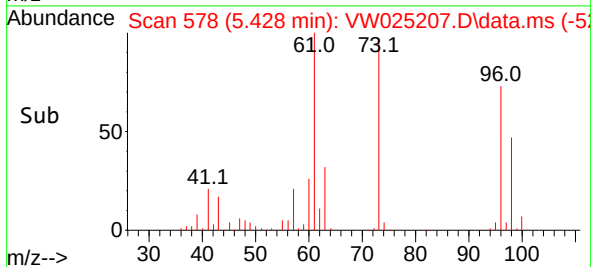
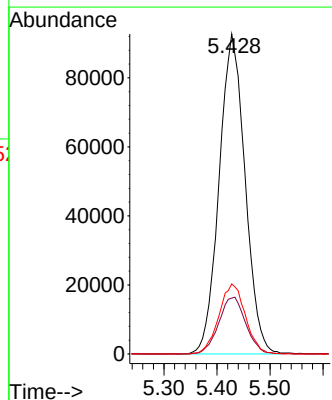
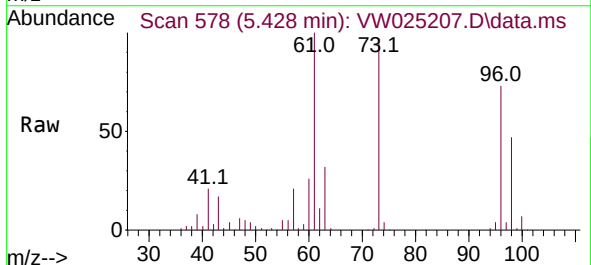
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

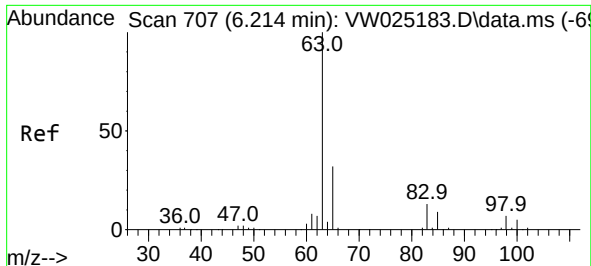
Tgt Ion: 96 Resp: 204941
Ion Ratio Lower Upper
96 100
61 136.8 95.5 177.3
98 63.7 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 25.763 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 73 Resp: 314627
Ion Ratio Lower Upper
73 100
43 18.6 15.6 23.4
57 22.4 17.5 26.3

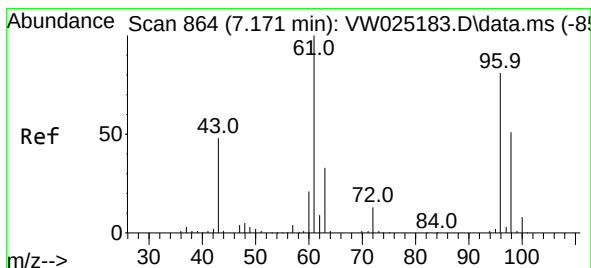
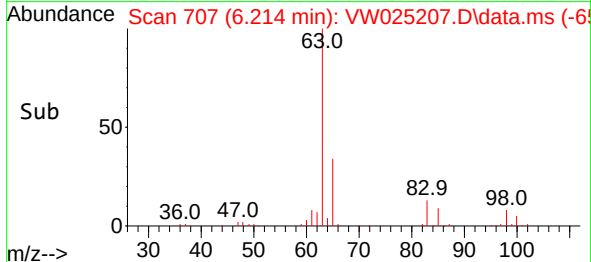
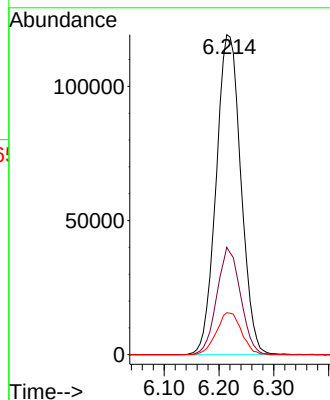
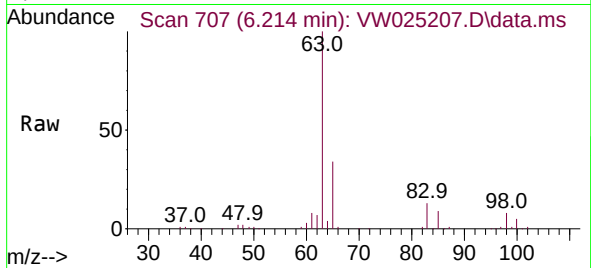




#19
1,1-Dichloroethane
Concen: 25.170 ug/L
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

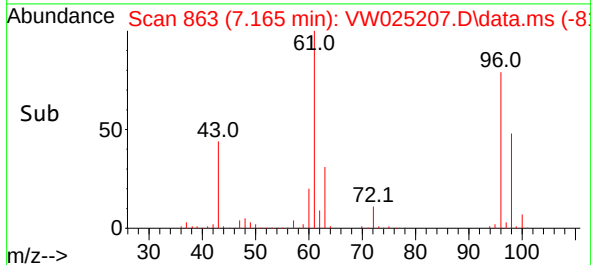
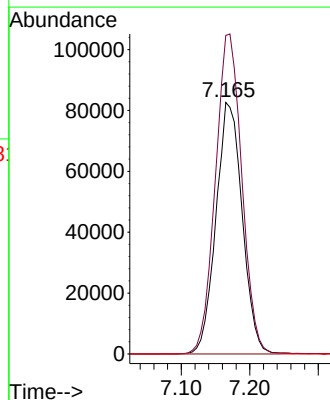
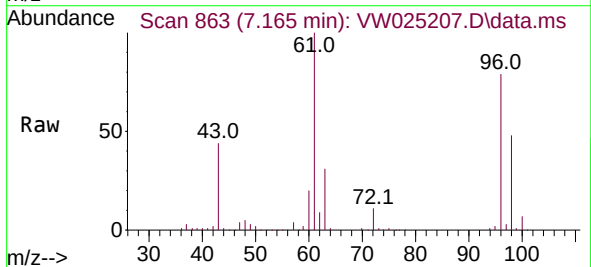
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

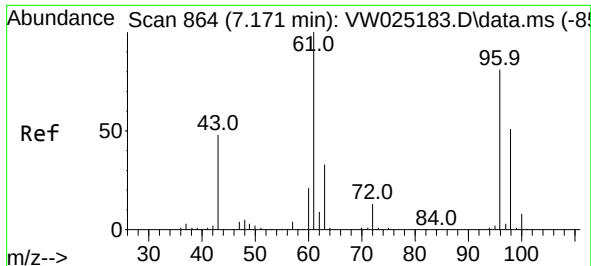
Tgt Ion: 63 Resp: 374326
Ion Ratio Lower Upper
63 100
65 33.6 22.2 41.2
83 13.1 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 25.245 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 96 Resp: 219703
Ion Ratio Lower Upper
96 100
61 126.7 93.7 173.9
68 0.0 0.0 0.0

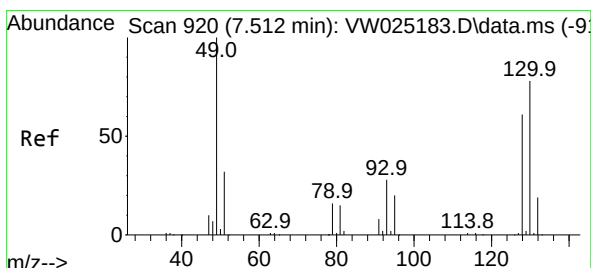
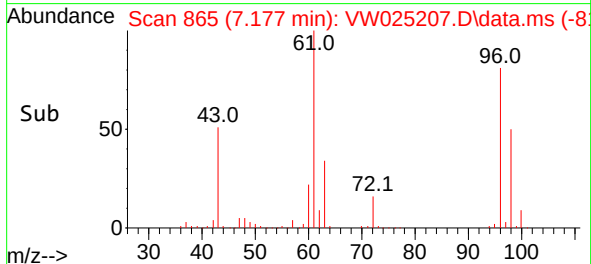
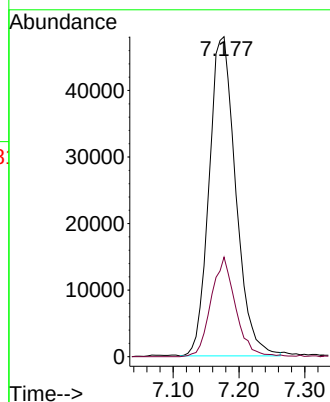
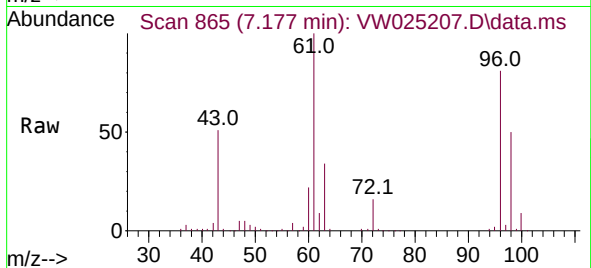




#22
2-Butanone
Concen: 58.685 ug/L
RT: 7.177 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

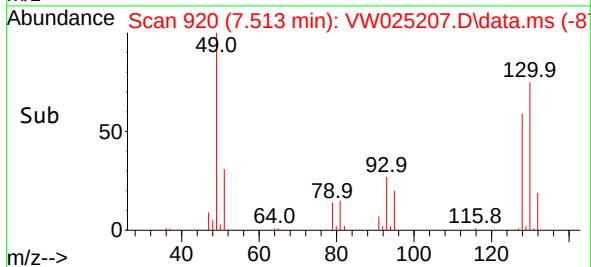
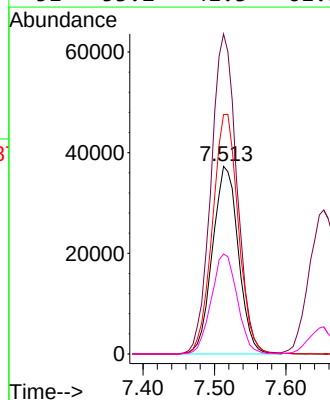
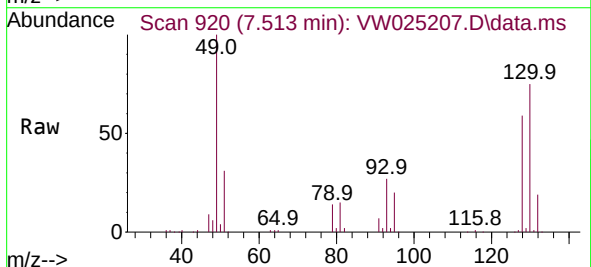
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

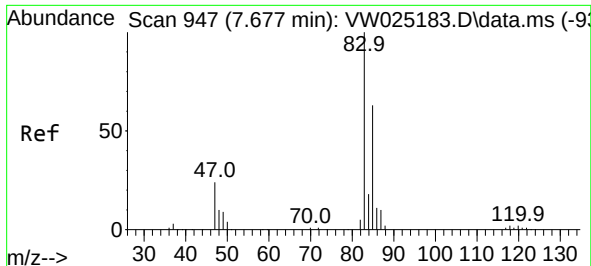
Tgt Ion: 43 Resp: 135347
Ion Ratio Lower Upper
43 100
72 28.3 15.0 45.0



#23
Bromochloromethane
Concen: 25.399 ug/L
RT: 7.513 min Scan# 920
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 128 Resp: 93539
Ion Ratio Lower Upper
128 100
49 170.4 114.1 211.9
130 127.4 89.0 165.2
51 53.2 41.3 61.9

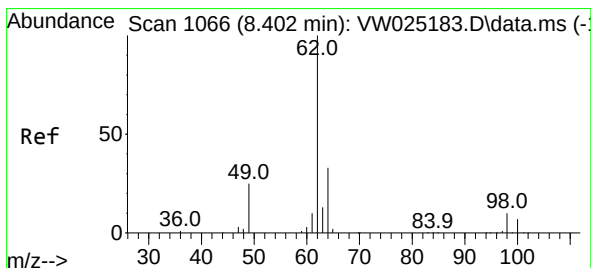
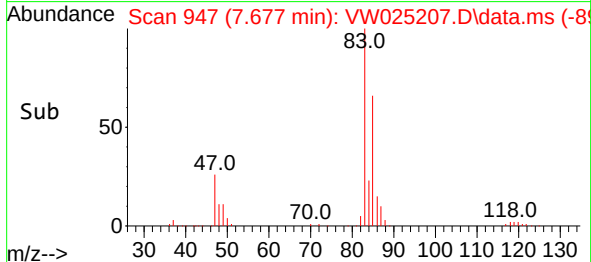
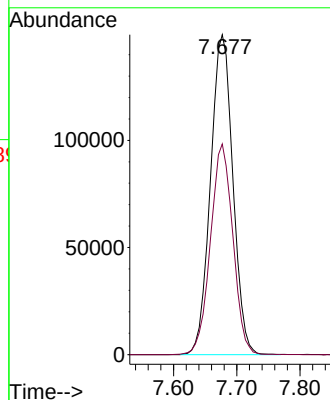
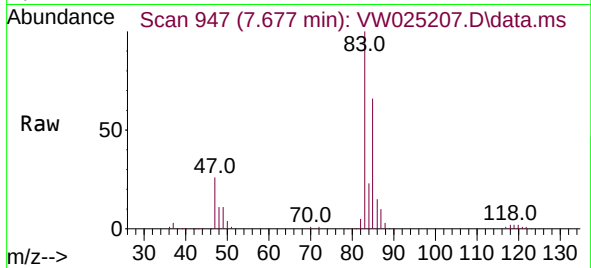




#25
Chloroform
Concen: 24.398 ug/L
RT: 7.677 min Scan# 94
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

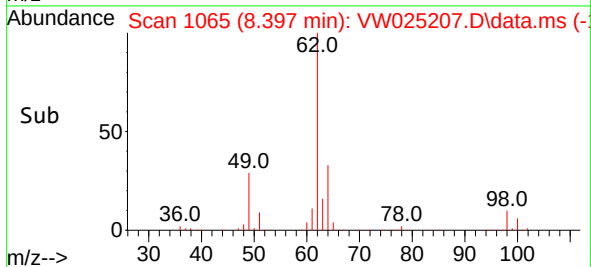
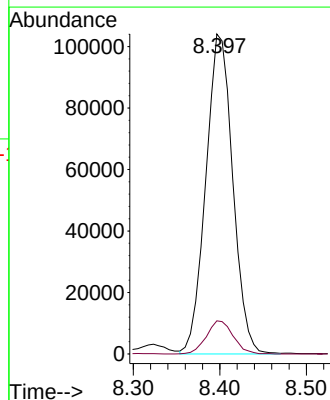
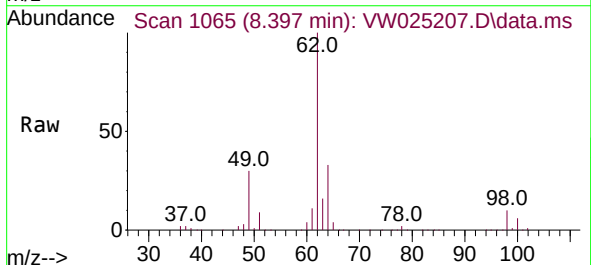
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

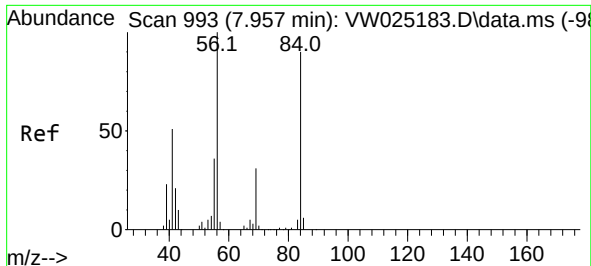
Tgt Ion: 83 Resp: 367188
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.797 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

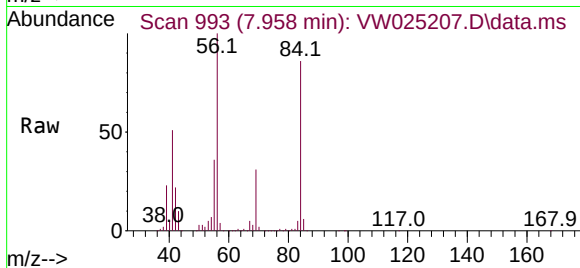
Tgt Ion: 62 Resp: 225489
Ion Ratio Lower Upper
62 100
98 10.4 7.8 11.8





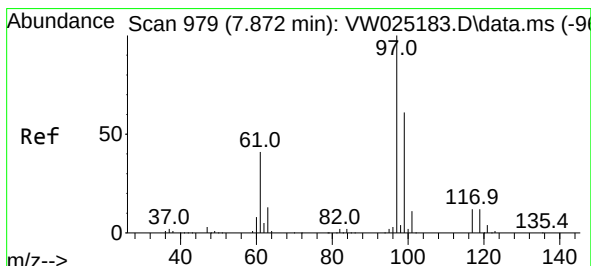
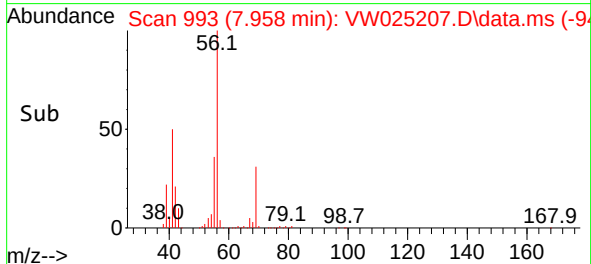
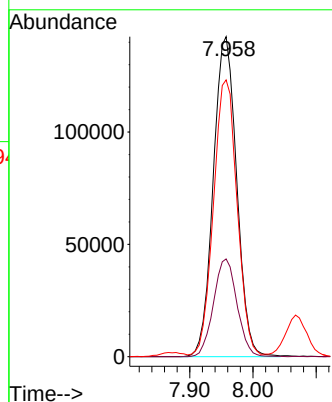
#29
Cyclohexane
Concen: 26.929 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD025518



Tgt Ion: 56 Resp: 365381

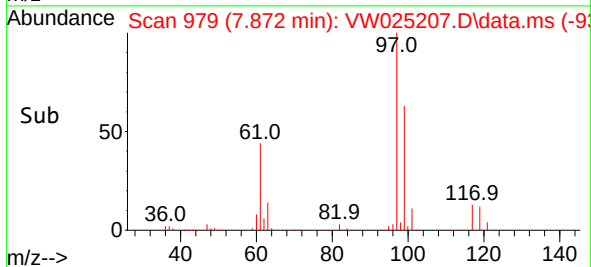
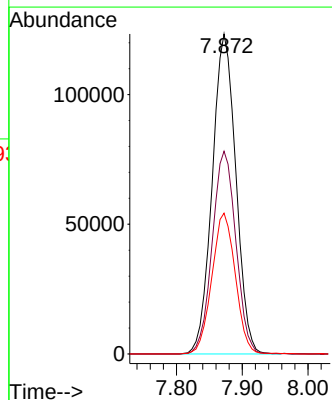
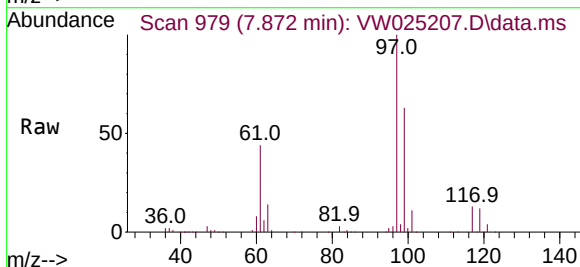
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.0	37.6
84	87.5	70.9	106.3

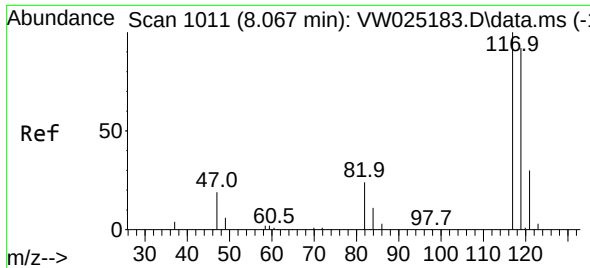


#30
1,1,1-Trichloroethane
Concen: 24.408 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 97 Resp: 308727

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.9	76.3
61	43.7	35.5	53.3

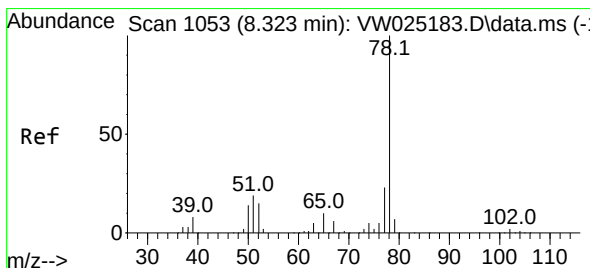
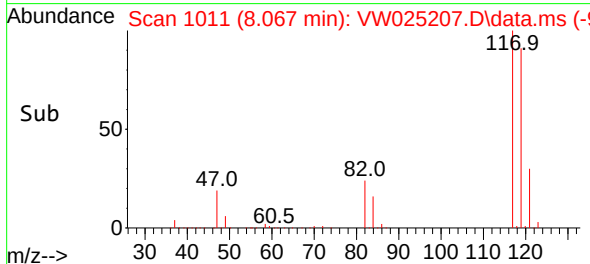
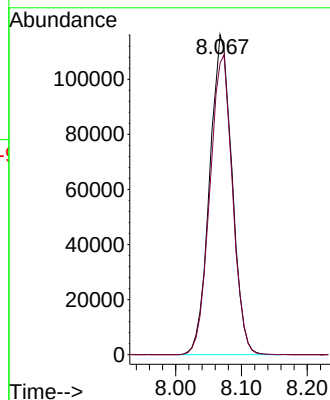
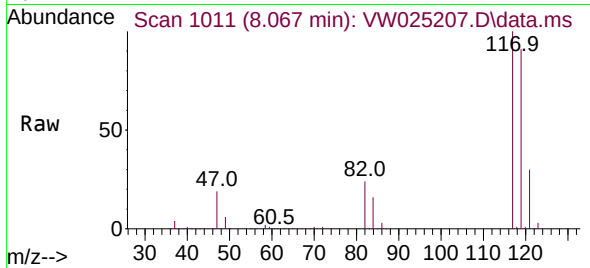




#31
Carbon tetrachloride
Concen: 23.647 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

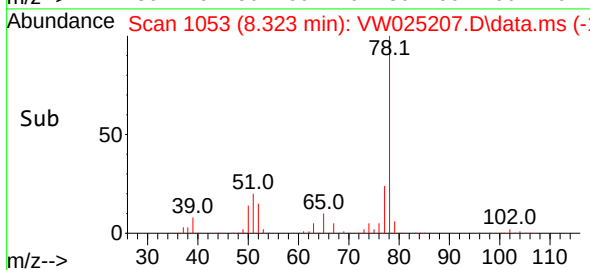
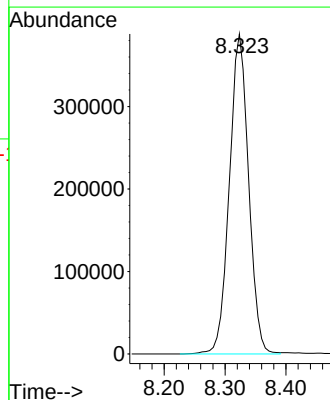
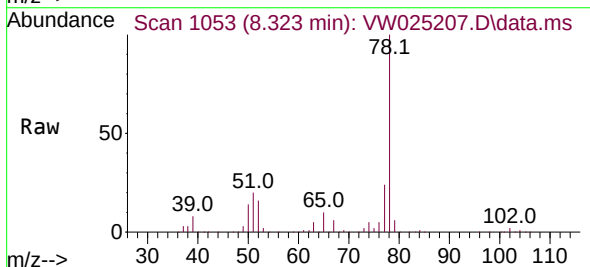
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

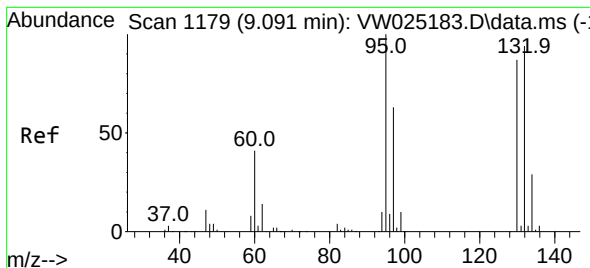
Tgt Ion:117 Resp: 275021
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4



#33
Benzene
Concen: 25.603 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 78 Resp: 849849





#34

Trichloroethene

Concen: 25.115 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025518

Tgt Ion: 95 Resp: 218372

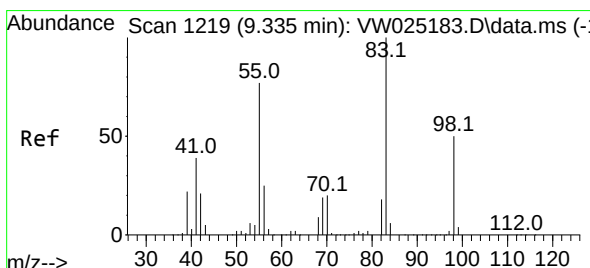
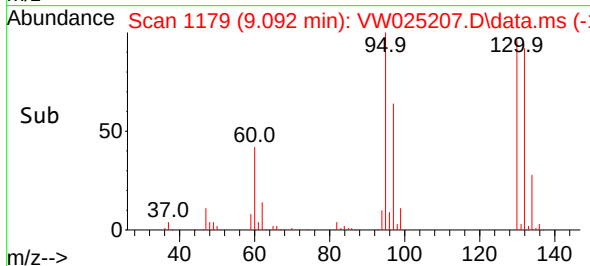
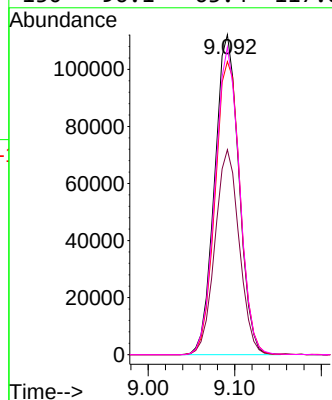
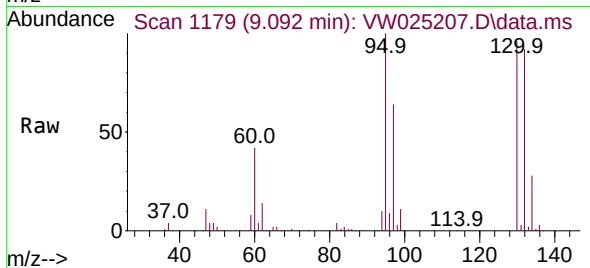
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 91.6 63.0 117.0

130 96.1 63.4 117.8



#35

Methylcyclohexane

Concen: 25.619 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

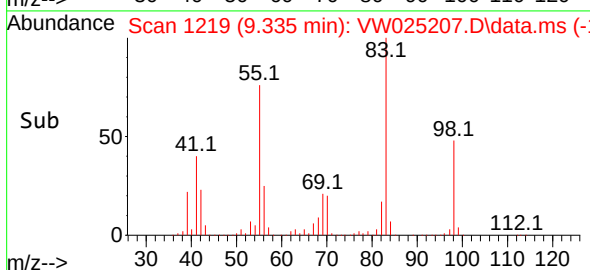
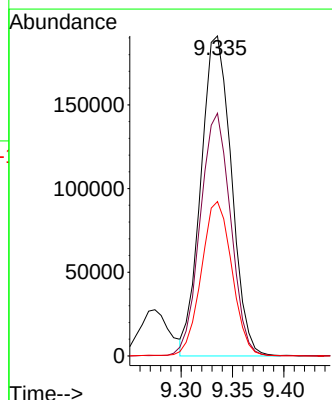
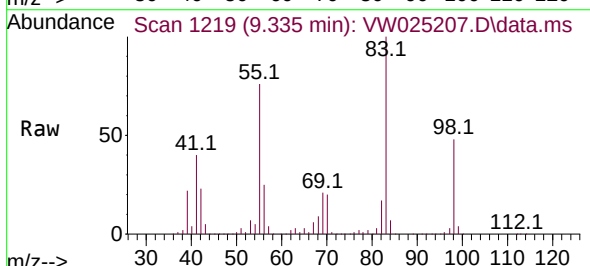
Tgt Ion: 83 Resp: 395102

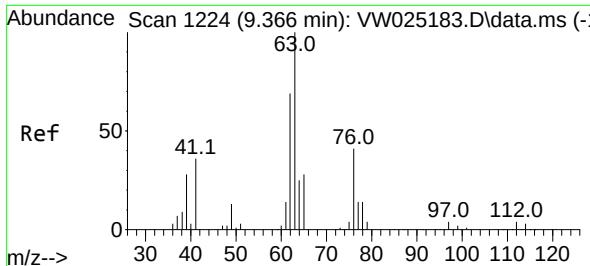
Ion Ratio Lower Upper

83 100

55 75.5 59.3 88.9

98 48.4 38.6 57.8

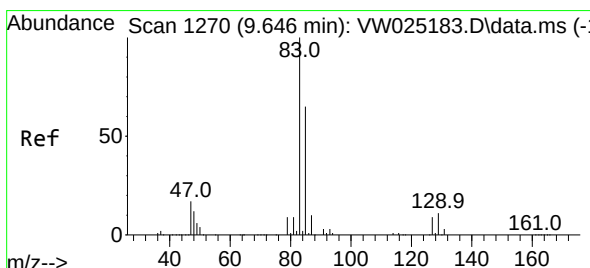
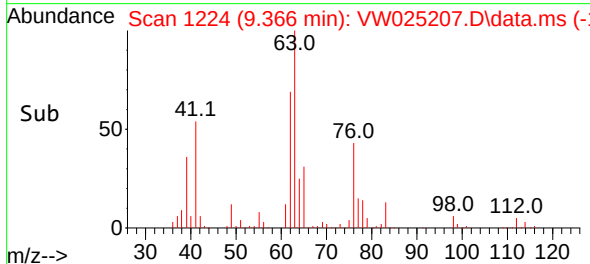
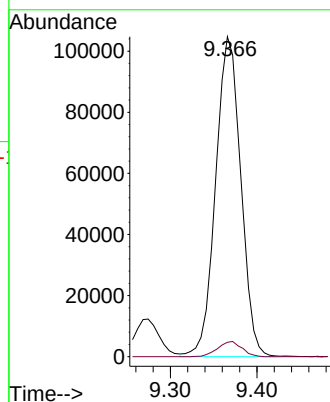
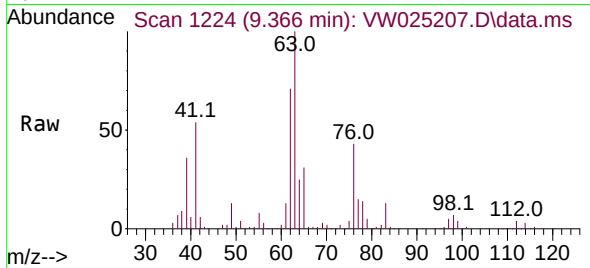




#37
1,2-Dichloropropane
Concen: 26.416 ug/L
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

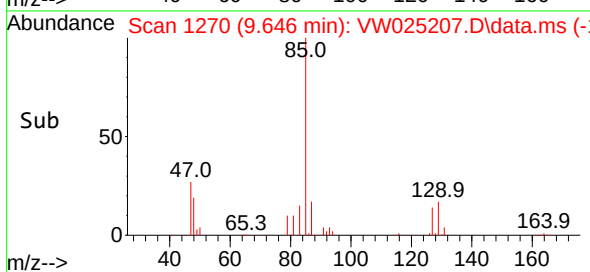
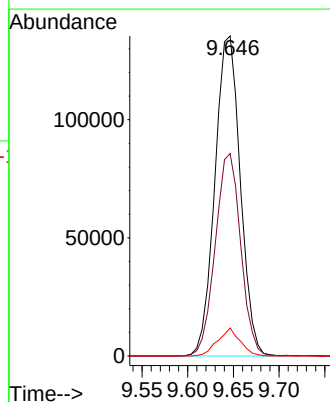
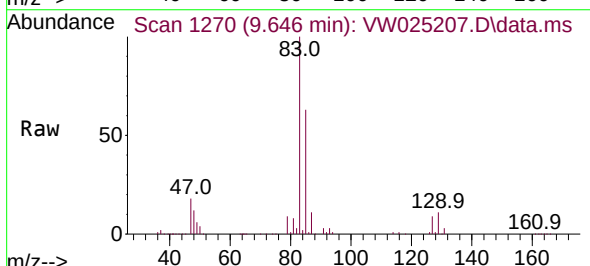
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

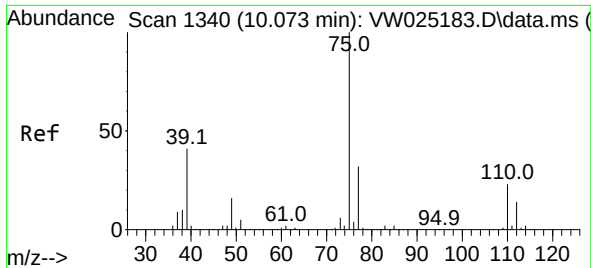
Tgt Ion: 63 Resp: 211491
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.2



#38
Bromodichloromethane
Concen: 24.769 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 83 Resp: 261969
Ion Ratio Lower Upper
83 100
85 63.3 44.2 82.2
127 8.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 26.522 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

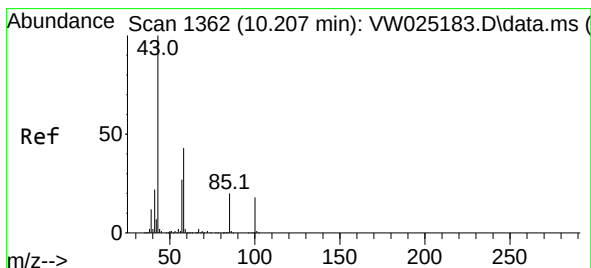
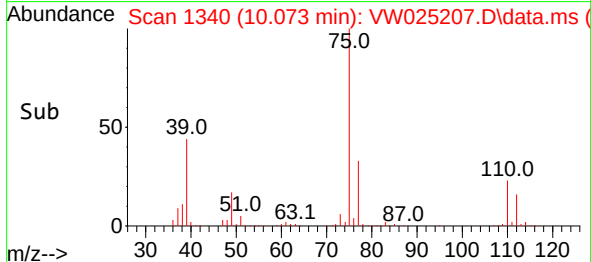
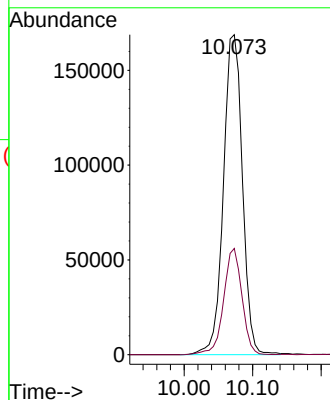
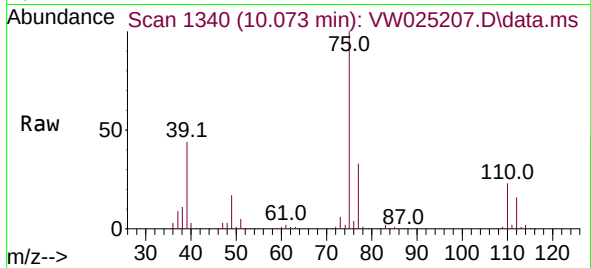
VSTD025518

Tgt Ion: 75 Resp: 324444

Ion Ratio Lower Upper

75 100

77 33.2 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 61.536 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

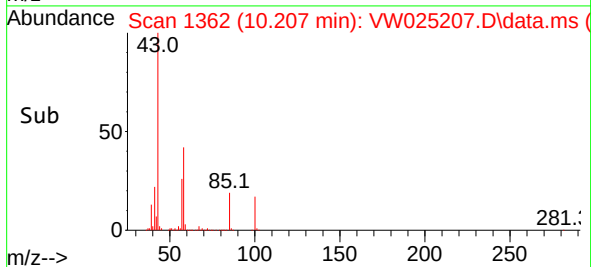
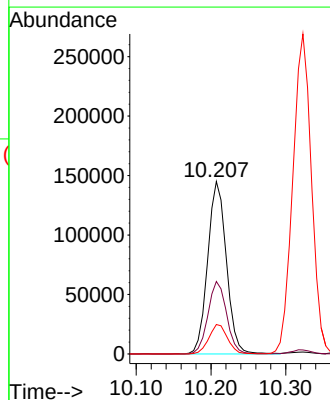
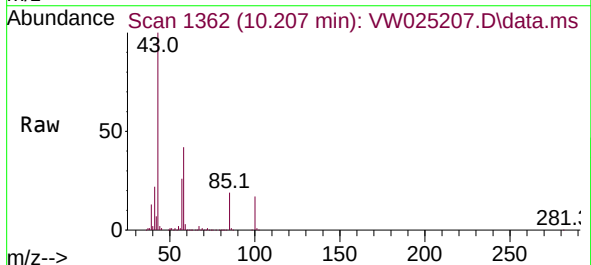
Tgt Ion: 43 Resp: 252548

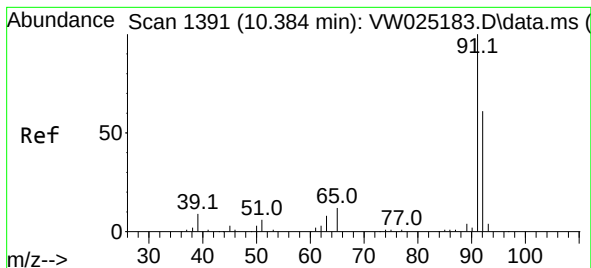
Ion Ratio Lower Upper

43 100

58 41.9 33.3 49.9

100 17.1 13.8 20.6





#42

Toluene

Concen: 25.551 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

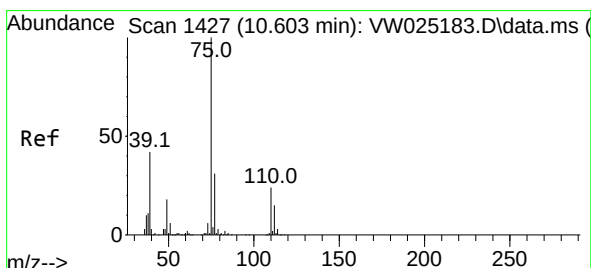
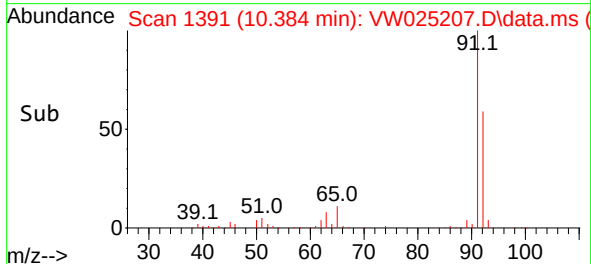
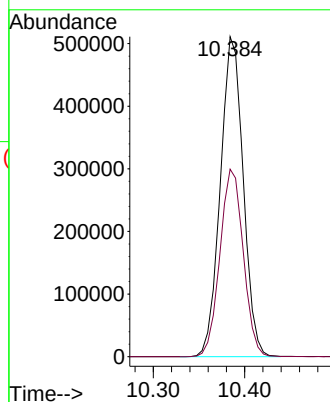
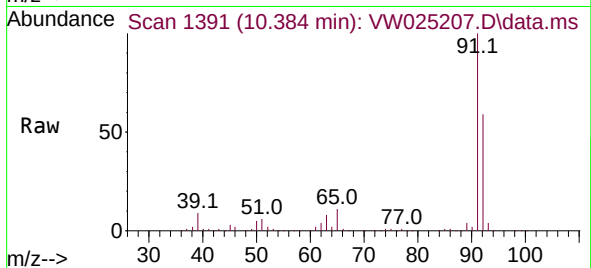
VSTD025518

Tgt Ion: 91 Resp: 888621

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 26.290 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW025207.D

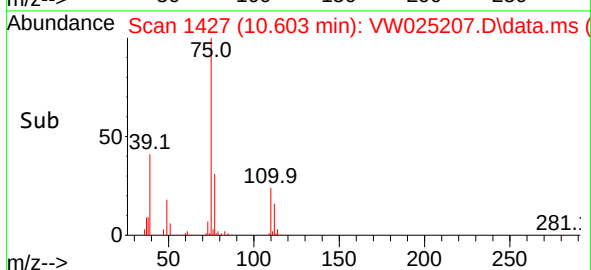
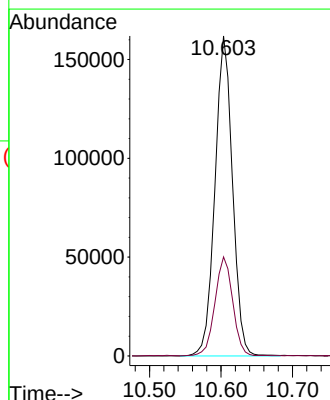
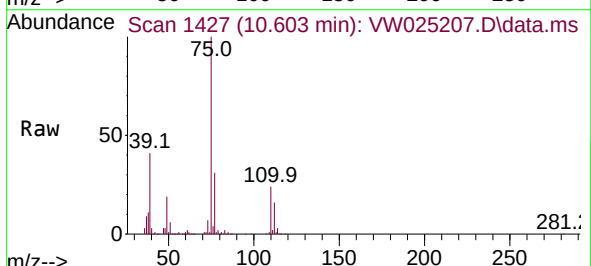
Acq: 27 Dec 2022 09:22

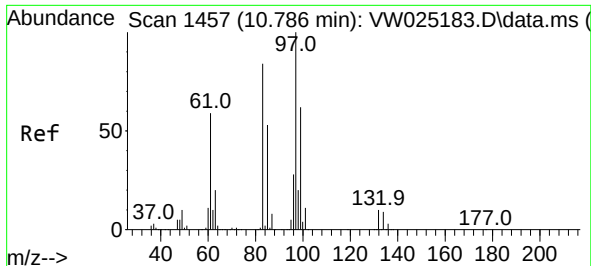
Tgt Ion: 75 Resp: 275417

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7

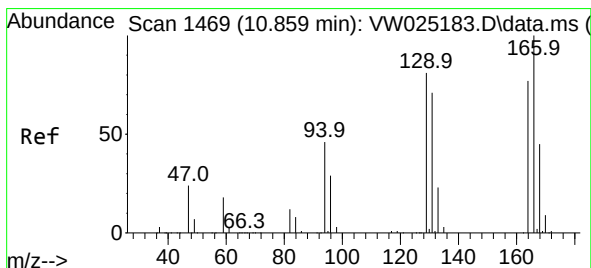
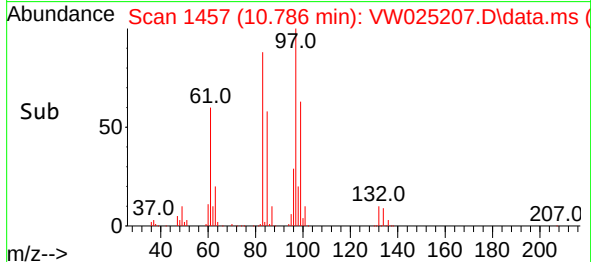
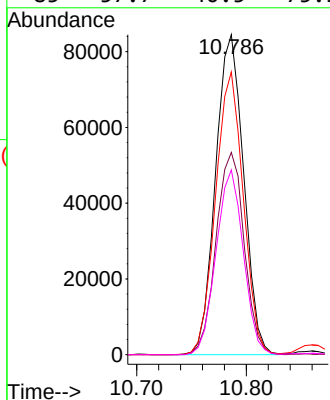
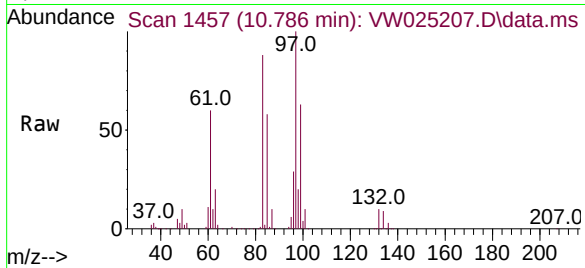




#45
1,1,2-Trichloroethane
Concen: 26.325 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

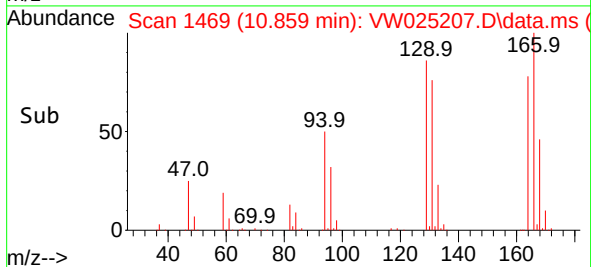
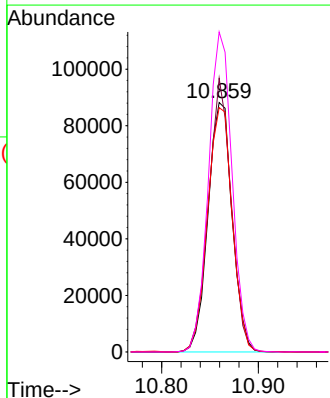
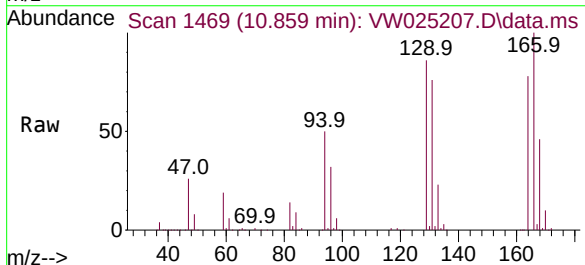
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

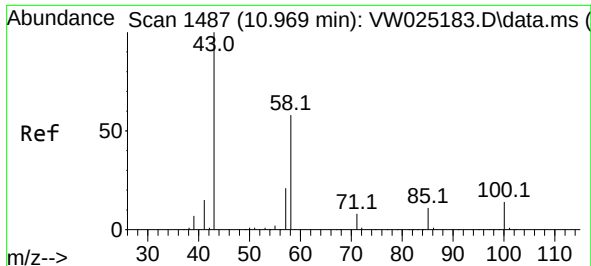
Tgt Ion: 97	Resp: 150403
Ion Ratio	Lower Upper
97 100	
99 63.2	44.3 82.3
83 88.3	61.3 113.9
85 57.7	40.5 75.1



#46
Tetrachloroethene
Concen: 24.257 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt	Ion:164	Resp:	153536
Ion	Ratio	Lower	Upper
164	100		
129	109.7	73.4	136.4
131	97.9	70.8	131.4
166	128.3	88.3	164.1

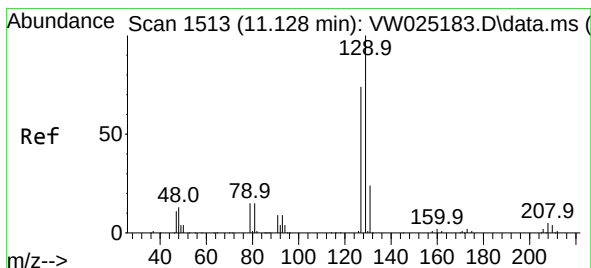
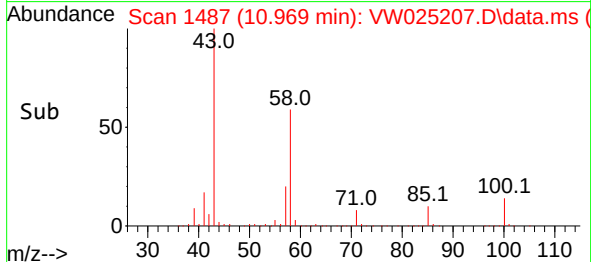
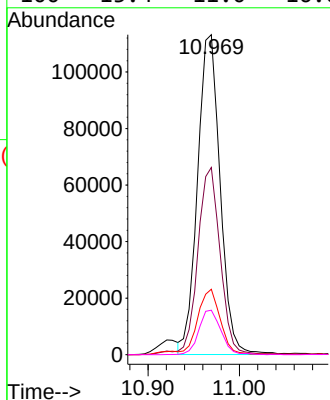
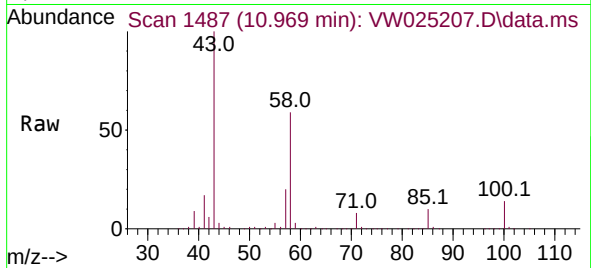




#48
2-Hexanone
Concen: 64.937 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

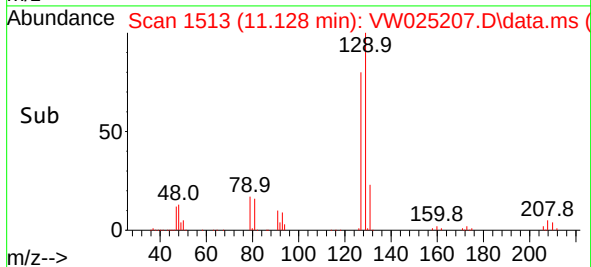
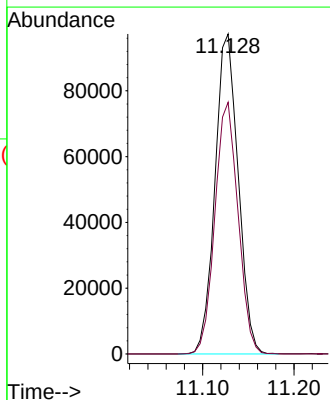
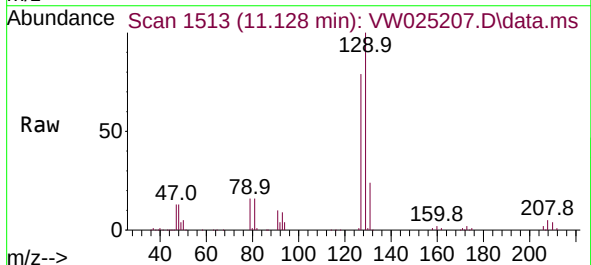
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

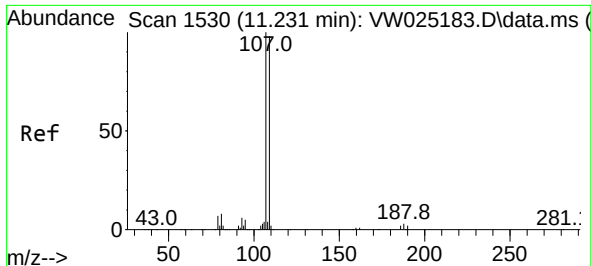
Tgt Ion:	43	Resp:	194663
Ion	Ratio	Lower	Upper
43	100		
58	56.8	46.6	69.8
57	20.2	16.7	25.1
100	13.4	11.0	16.6



#49
Dibromochloromethane
Concen: 24.997 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion:	129	Resp:	171522
Ion	Ratio	Lower	Upper
129	100		
127	78.6	49.7	92.3





#50

1,2-Dibromoethane

Concen: 26.633 ug/L

RT: 11.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025518

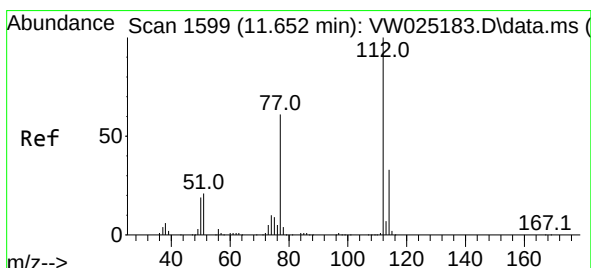
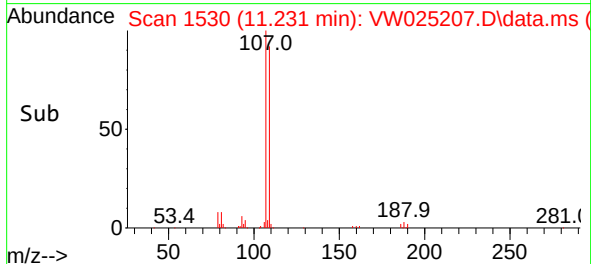
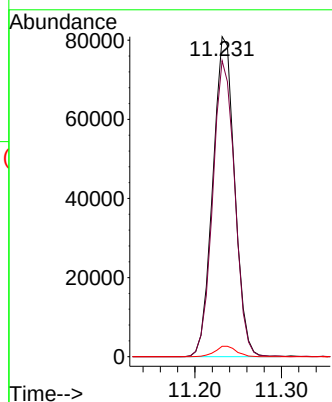
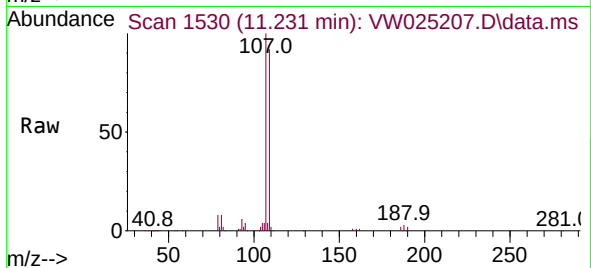
Tgt Ion:107 Resp: 141671

Ion Ratio Lower Upper

107 100

109 92.5 66.8 124.2

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 24.713 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

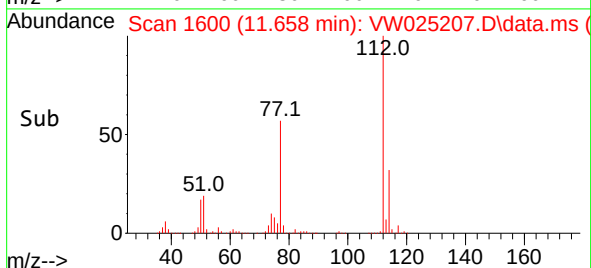
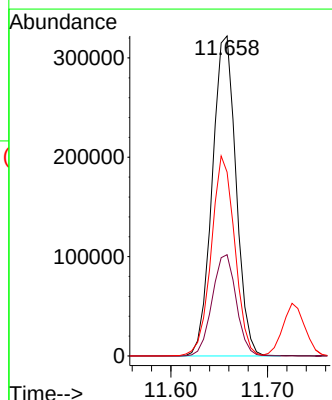
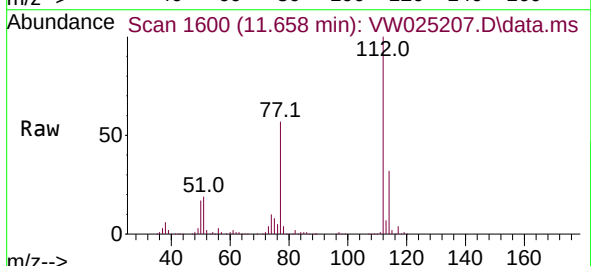
Tgt Ion:112 Resp: 550046

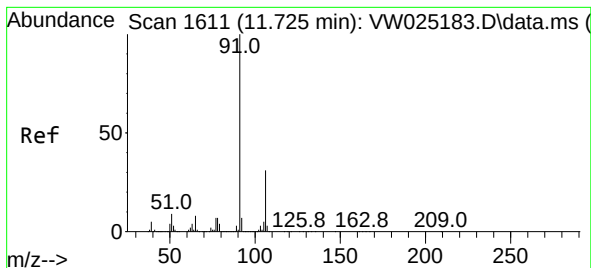
Ion Ratio Lower Upper

112 100

114 31.6 23.2 43.2

77 57.4 47.2 70.8

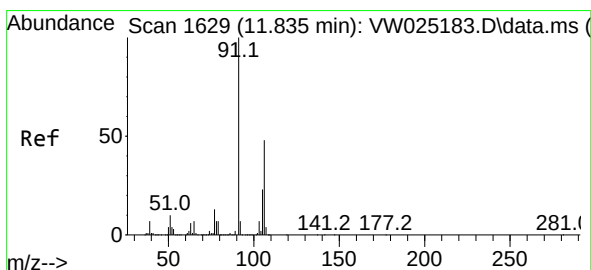
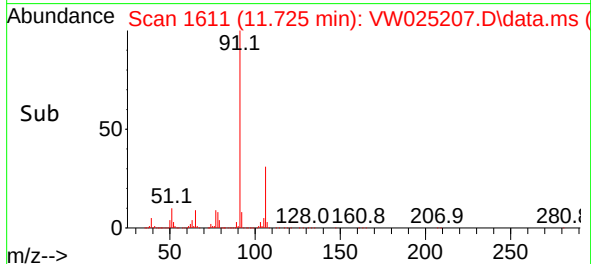
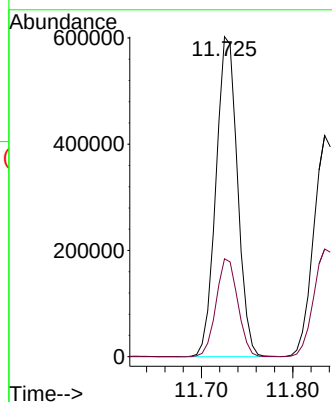
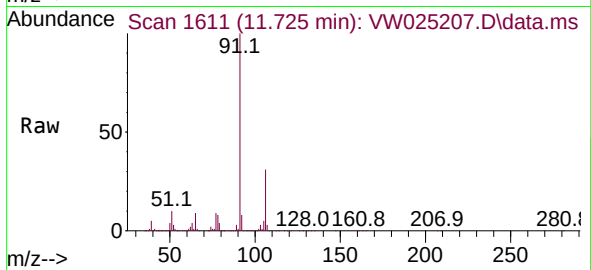




#52
Ethylbenzene
Concen: 25.020 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

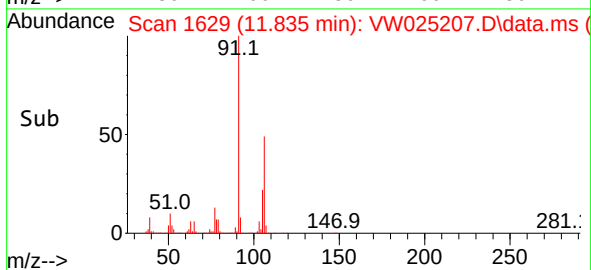
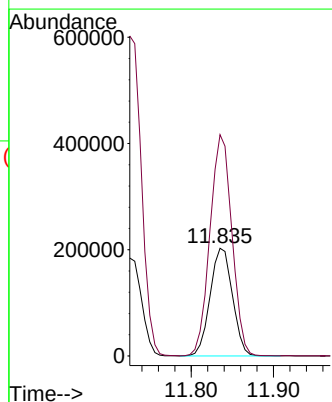
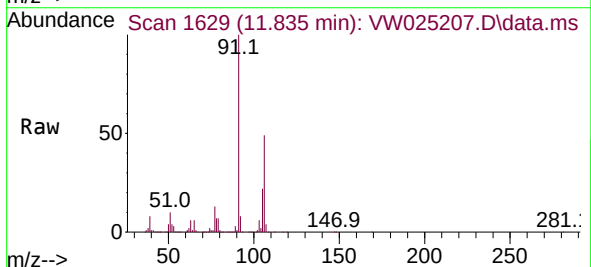
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

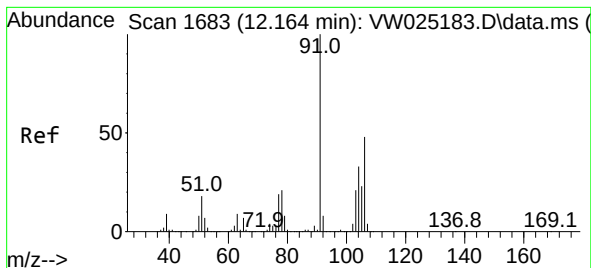
Tgt Ion: 91 Resp: 986119
Ion Ratio Lower Upper
91 100
106 30.6 21.9 40.7



#53
m,p-Xylene
Concen: 25.461 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion:106 Resp: 383222
Ion Ratio Lower Upper
106 100
91 205.5 139.7 259.4

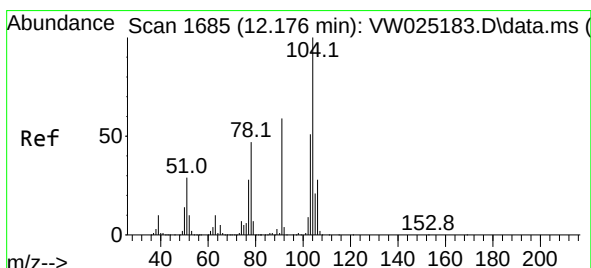
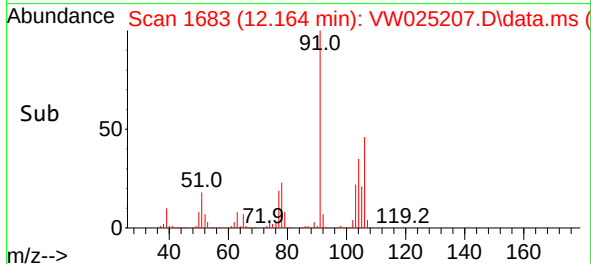
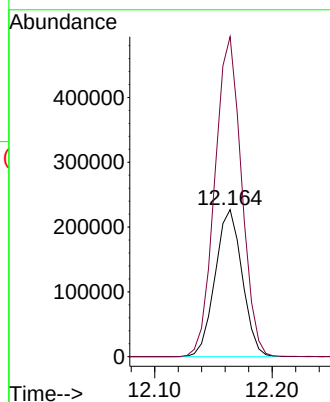
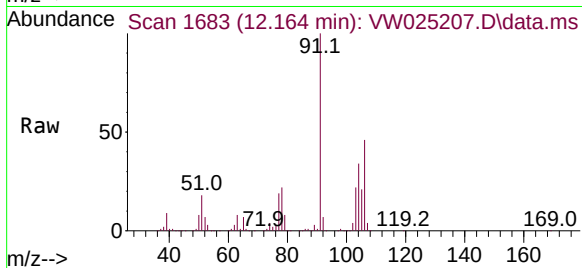




#54
o-Xylene
Concen: 25.354 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

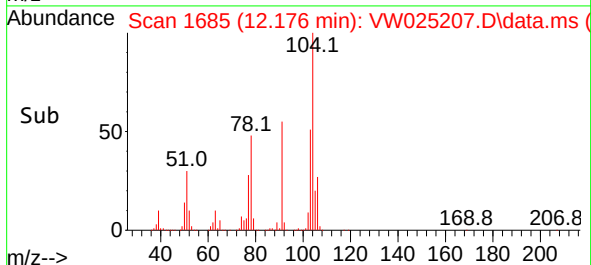
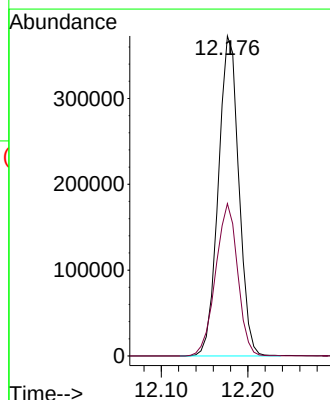
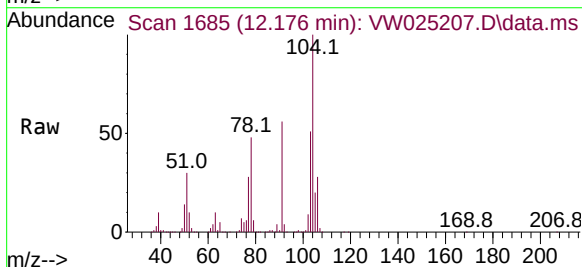
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

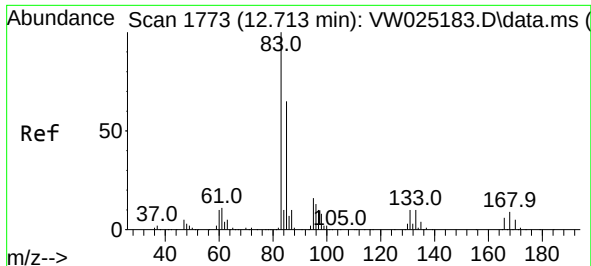
Tgt Ion:106 Resp: 363700
Ion Ratio Lower Upper
106 100
91 217.7 148.8 276.4



#55
Styrene
Concen: 25.203 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion:104 Resp: 612250
Ion Ratio Lower Upper
104 100
78 47.6 34.4 63.8





#57

1,1,2,2-Tetrachloroethane

Concen: 27.719 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025518

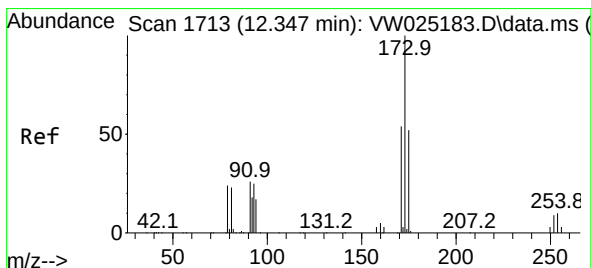
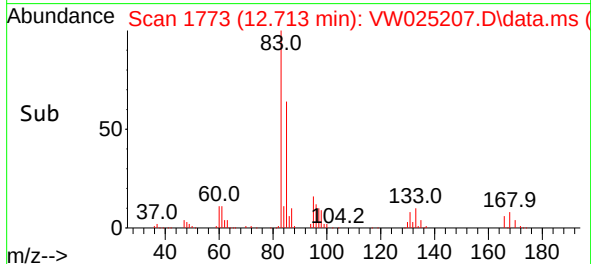
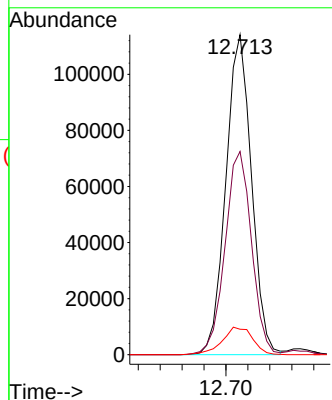
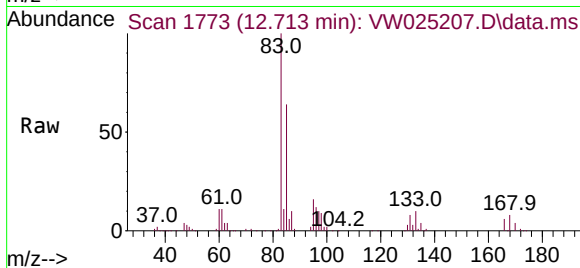
Tgt Ion: 83 Resp: 185210

Ion Ratio Lower Upper

83 100

85 63.5 46.8 87.0

131 7.9 8.2 12.2#



#59

Bromoform

Concen: 26.274 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

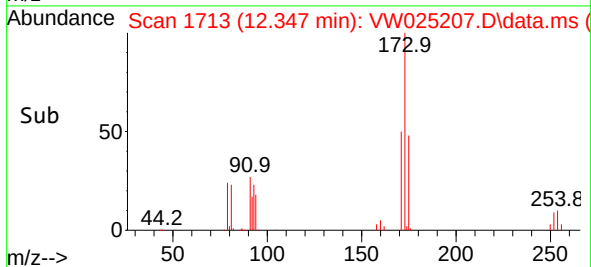
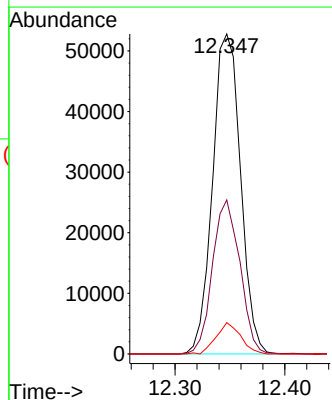
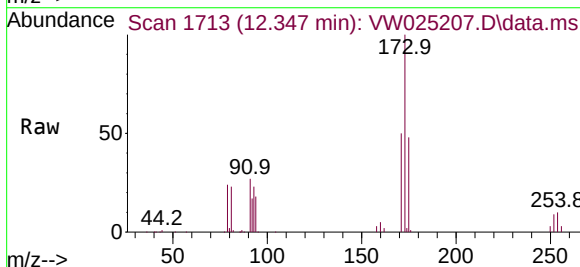
Tgt Ion:173 Resp: 93648

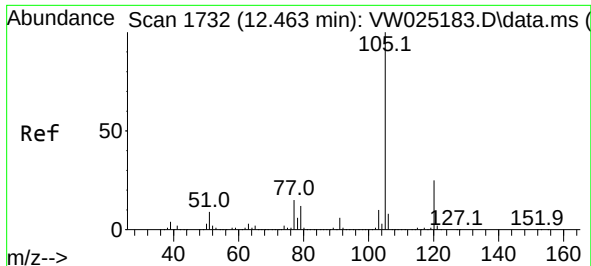
Ion Ratio Lower Upper

173 100

175 47.1 37.4 56.0

254 8.5 6.8 10.2

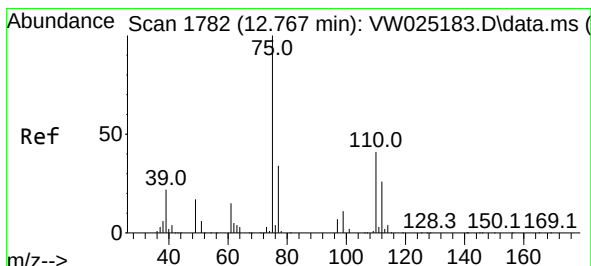
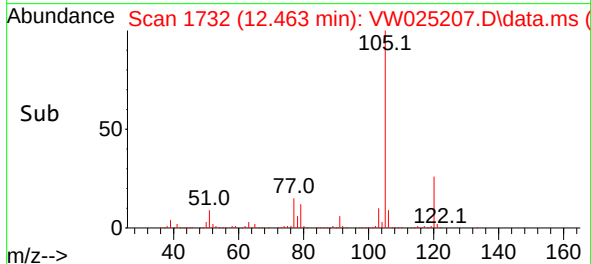
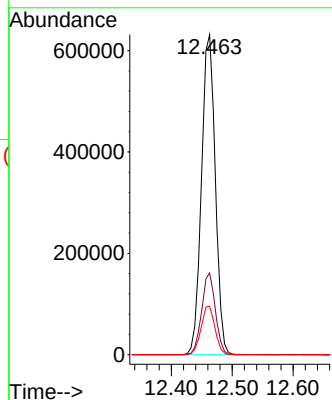
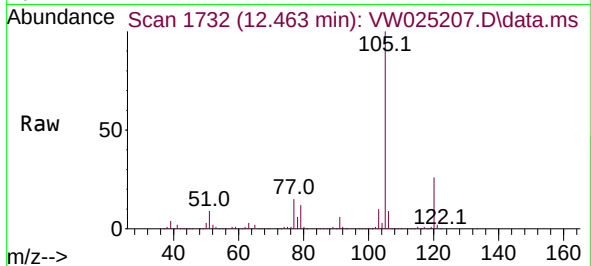




#60
Isopropylbenzene
Concen: 25.035 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

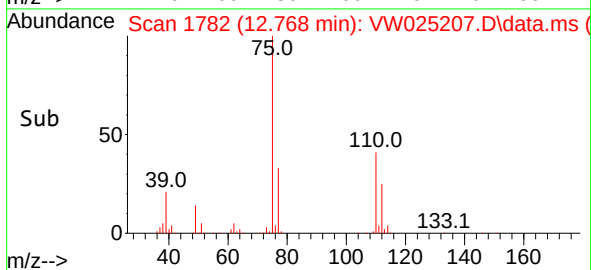
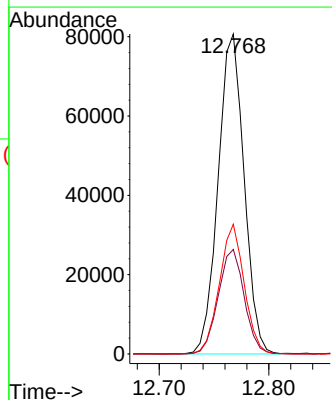
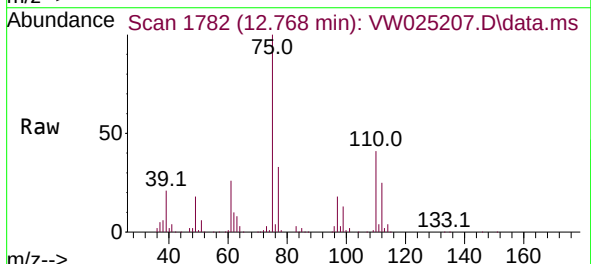
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

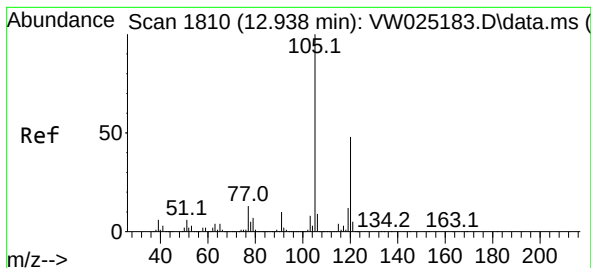
Tgt Ion:105 Resp: 996014
Ion Ratio Lower Upper
105 100
120 25.3 20.6 31.0
77 15.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 26.623 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion: 75 Resp: 132821
Ion Ratio Lower Upper
75 100
77 32.7 26.6 40.0
110 38.8 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 25.262 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

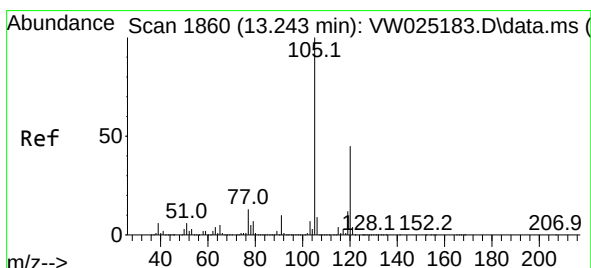
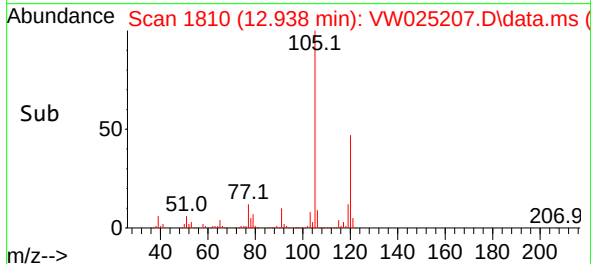
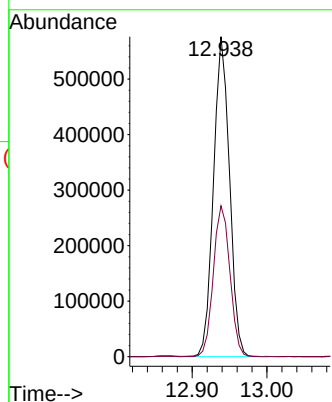
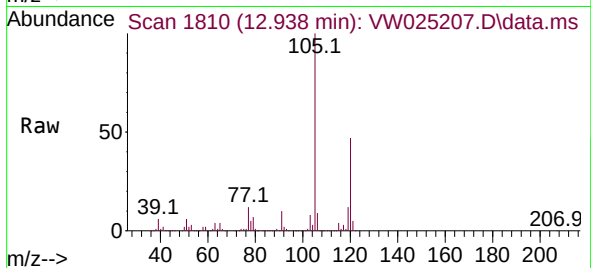
VSTD025518

Tgt Ion:105 Resp: 860892

Ion Ratio Lower Upper

105 100

120 48.8 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 25.250 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.006 min

Lab File: VW025207.D

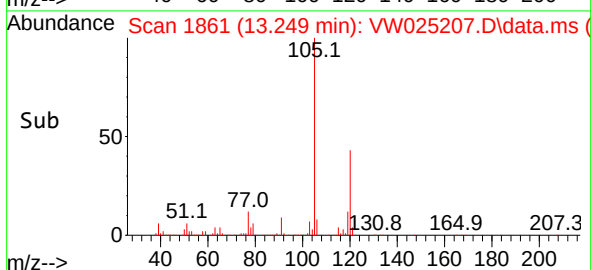
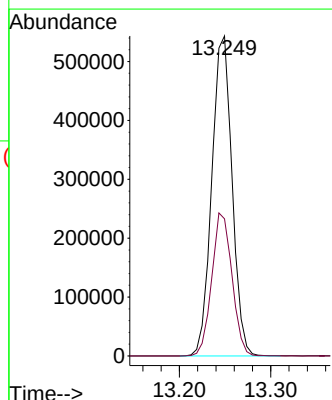
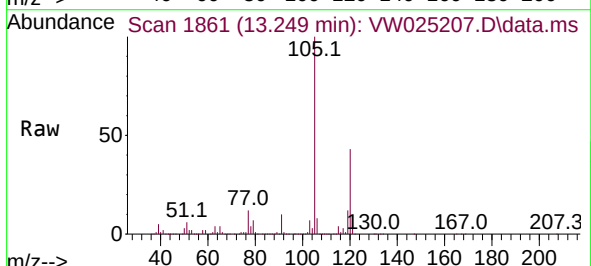
Acq: 27 Dec 2022 09:22

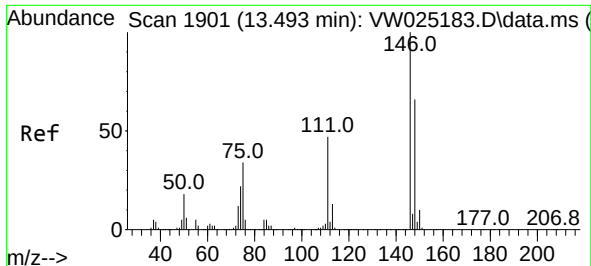
Tgt Ion:105 Resp: 835947

Ion Ratio Lower Upper

105 100

120 44.6 36.1 54.1

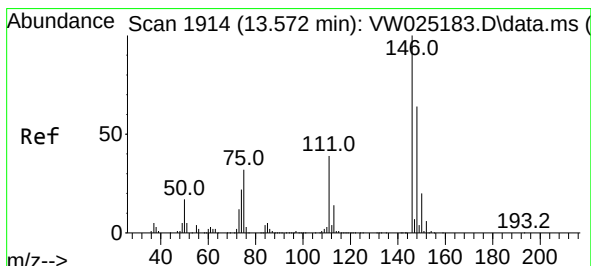
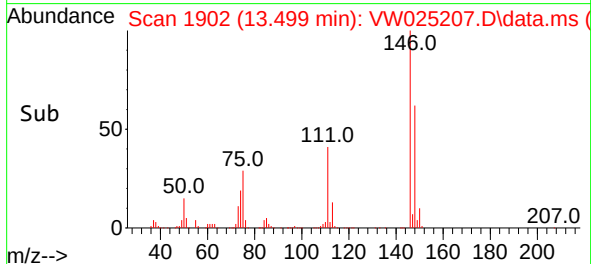
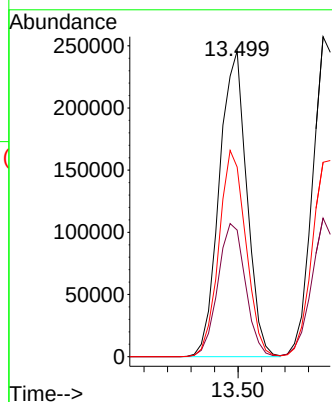
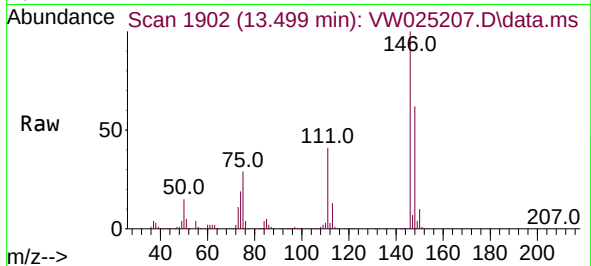




#64
1,3-Dichlorobenzene
Concen: 24.479 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

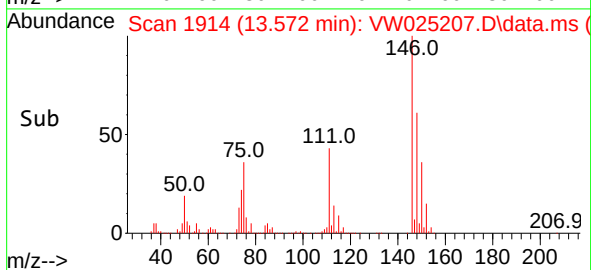
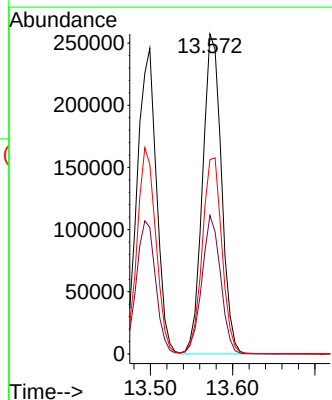
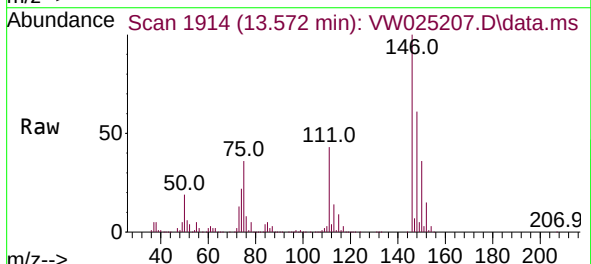
Instrument :
MSVOA_W
ClientSampleId :
VSTD025518

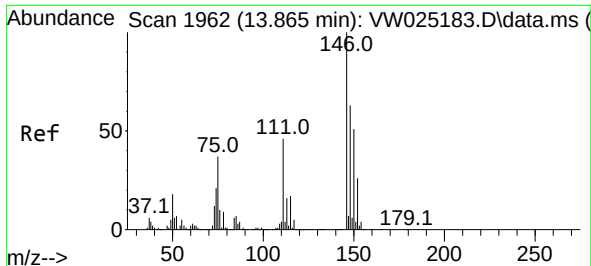
Tgt Ion:146 Resp: 398706
Ion Ratio Lower Upper
146 100
111 41.4 30.2 56.0
148 62.0 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 25.037 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW025207.D
Acq: 27 Dec 2022 09:22

Tgt Ion:146 Resp: 410673
Ion Ratio Lower Upper
146 100
111 43.3 27.4 51.0
148 60.7 41.6 77.3





#67

1,2-Dichlorobenzene

Concen: 25.882 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025518

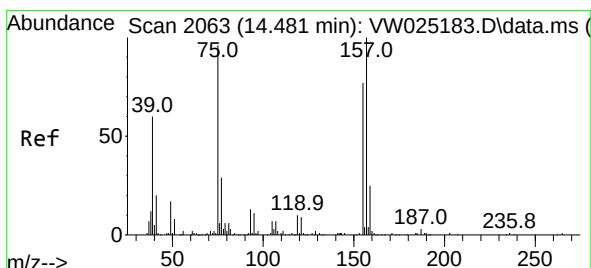
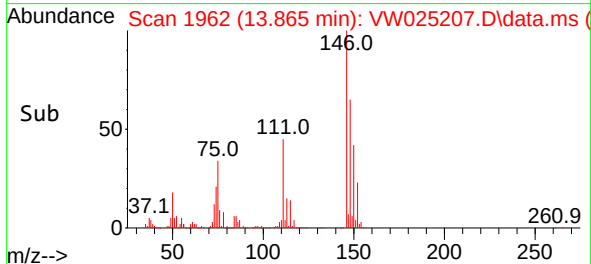
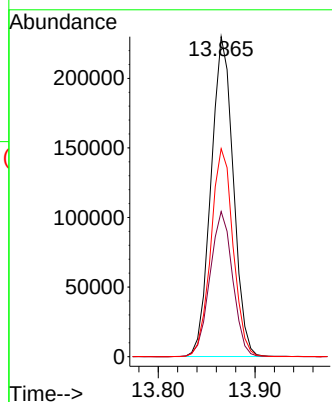
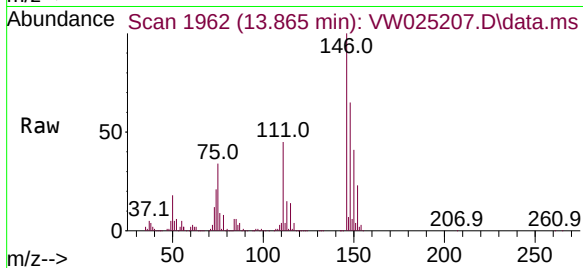
Tgt Ion:146 Resp: 367630

Ion Ratio Lower Upper

146 100

111 45.3 34.3 51.5

148 65.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 26.209 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

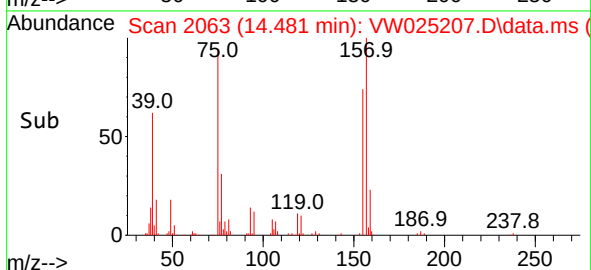
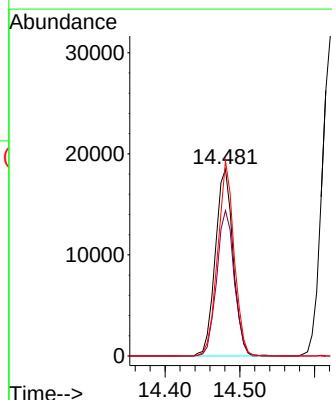
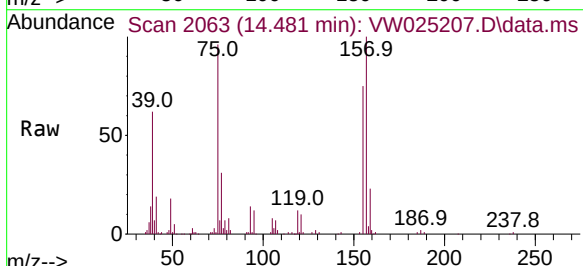
Tgt Ion: 75 Resp: 30486

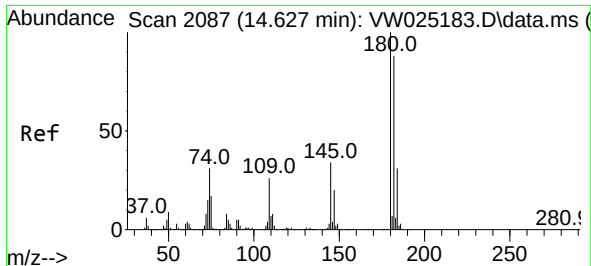
Ion Ratio Lower Upper

75 100

155 77.9 60.3 90.5

157 104.5 84.9 127.3





#69

1,3,5-Trichlorobenzene

Concen: 23.325 ug/L

RT: 14.621 min Scan# 2087

Delta R.T. -0.006 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025518

Tgt Ion:180 Resp: 269757

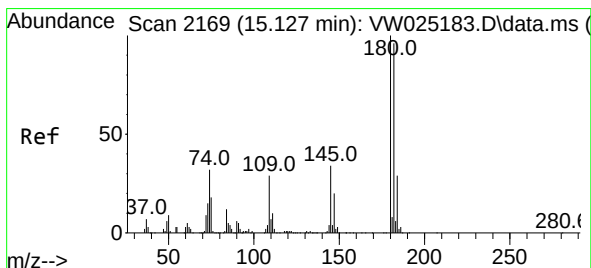
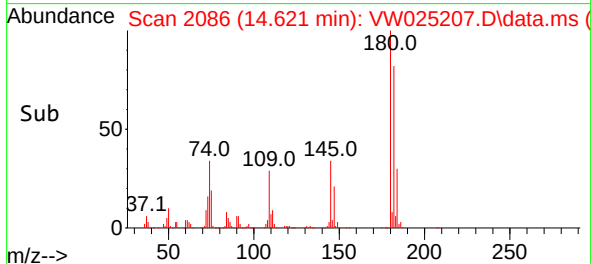
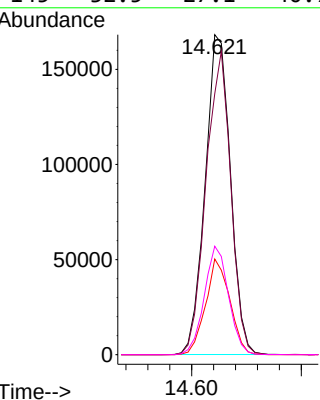
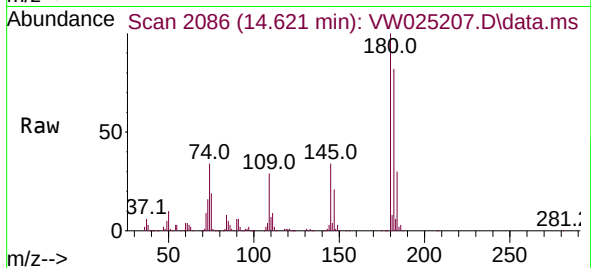
Ion Ratio Lower Upper

180 100

182 92.8 77.8 116.6

184 28.7 24.3 36.5

145 32.5 27.1 40.7



#70

1,2,4-trichlorobenzene

Concen: 23.712 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

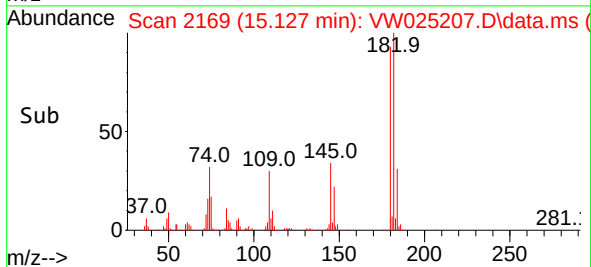
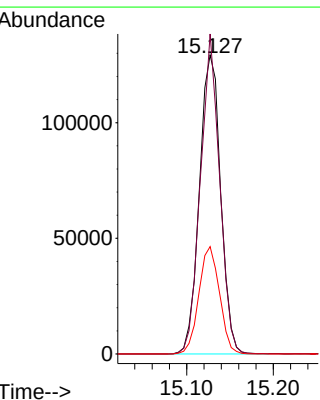
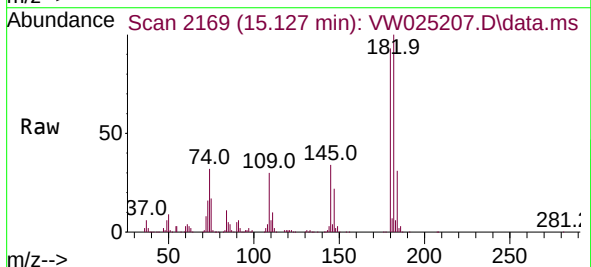
Tgt Ion:180 Resp: 220033

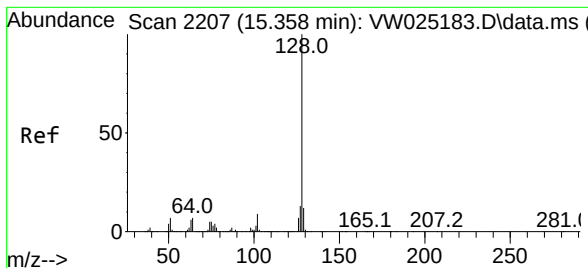
Ion Ratio Lower Upper

180 100

182 96.8 77.2 115.8

145 34.9 26.9 40.3





#71

Naphthalene

Concen: 26.952 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025518

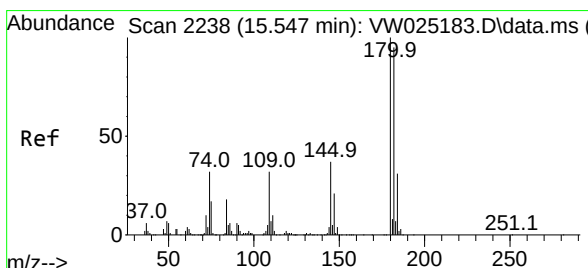
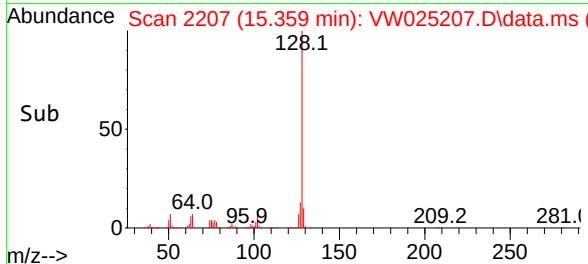
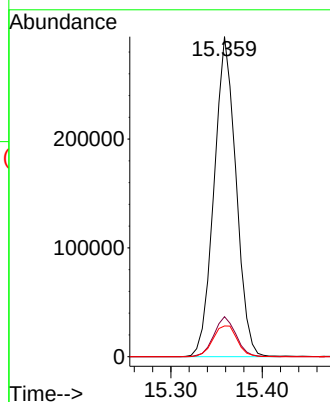
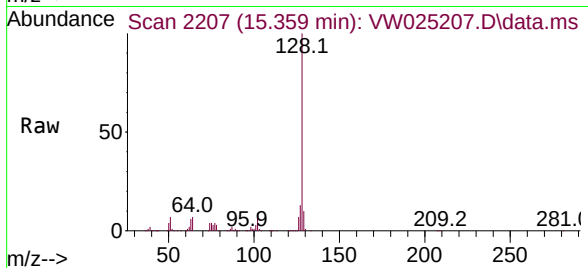
Tgt Ion:128 Resp: 490285

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 22.644 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW025207.D

Acq: 27 Dec 2022 09:22

Tgt Ion:180 Resp: 184146

Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

145 36.5 29.6 44.4

