

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120924\
 Data File : VD080116.D
 Acq On : 09 Dec 2024 14:28
 Operator : RP/MD
 Sample : P5066-08
 Misc : 5.87G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 00:28:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM120524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 10 00:27:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	201367	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	73282	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	8803	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	91432	25.489	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.960%
7) Chloroethane-d5	2.799	69	74827	26.750	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.000%
11) 1,1-Dichloroethene-d2	3.911	65	28385	22.062	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.240%
21) 2-Butanone-d5	6.987	46	31444	52.153	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.300%
24) Chloroform-d	7.563	84	143472	26.181	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.720%
26) 1,2-Dichloroethane-d4	8.228	65	66671	23.129	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.520%
32) Benzene-d6	8.199	84	241894	57.310	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	229.240%#
36) 1,2-Dichloropropane-d6	9.204	67	81682	61.581	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	246.320%#
41) Toluene-d8	10.263	98	117656	29.919	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	119.680%
43) trans-1,3-Dichloroprop...	10.522	79	14508	25.848	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.400%
47) 2-Hexanone-d5	10.875	63	16787	87.751	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	175.500%#
56) 1,1,2,2-Tetrachloroeth...	12.645	84	47069	44.013	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	176.040%#
66) 1,2-Dichlorobenzene-d4	13.810	152	9288	30.133	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	120.520%#

Target Compounds					Qvalue
6) Bromomethane	2.699	94	864	0.380	ug/L 75
13) Acetone	4.028	43	2118	2.031	ug/L 73
14) Carbon disulfide	4.264	76	19089	1.884	ug/L 95
25) Chloroform	7.587	83	7529	1.243	ug/L 97
27) 1,2-Dichloroethane	8.205	62	1062	0.302	ug/L # 74
34) Trichloroethene	8.775	95	6063	4.921	ug/L # 3
35) Methylcyclohexane	9.210	83	21581	11.578	ug/L # 18
37) 1,2-Dichloropropane	9.204	63	8889	7.087	ug/L # 86
39) cis-1,3-Dichloropropene	9.969	75	1206	0.638	ug/L # 28
40) 4-Methyl-2-pentanone	9.969	43	624	0.972	ug/L # 59
44) trans-1,3-Dichloropropene	10.522	75	590	0.369	ug/L # 48
60) Isopropylbenzene	12.416	105	151	0.122	ug/L # 54
61) 1,2,3-Trichloropropane	13.516	75	975	5.537	ug/L # 65
62) 1,3,5-Trimethylbenzene	12.904	105	143	0.146	ug/L # 29
63) 1,2,4-Trimethylbenzene	12.904	105	143	0.148	ug/L # 30
64) 1,3-Dichlorobenzene	13.451	146	160	0.270	ug/L # 25
65) 1,4-Dichlorobenzene	13.534	146	184	0.303	ug/L # 1
67) 1,2-Dichlorobenzene	13.828	146	166	0.307	ug/L # 25
69) 1,3,5-Trichlorobenzene	15.092	180	261	0.643	ug/L # 47

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Instrument :
MSVOA_D
ClientSampleId :

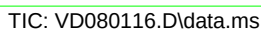
Quant Time: Dec 10 00:28:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM120524SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 10 00:27:23 2024
Response via : Initial Calibration

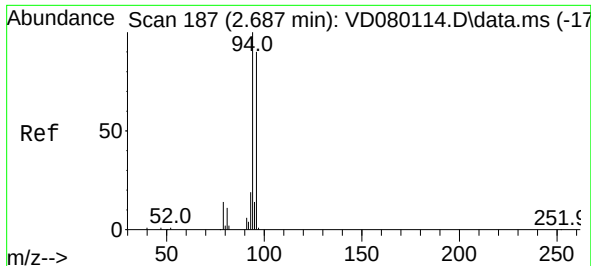
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.092	180	261	0.783	ug/L #	48
71) Naphthalene	15.322	128	426	0.689	ug/L #	86
72) 1,2,3-Trichlorobenzene	15.522	180	327	1.065	ug/L #	58

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

ClientSampleId :

Response via : Initial Calibration

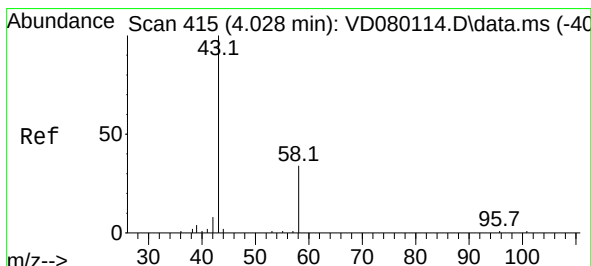
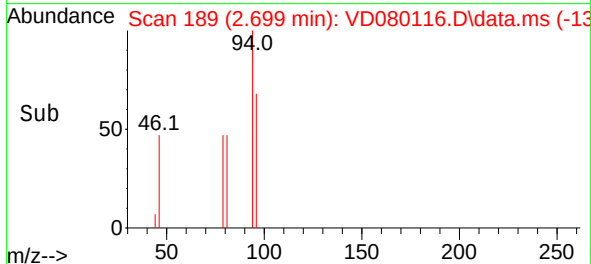
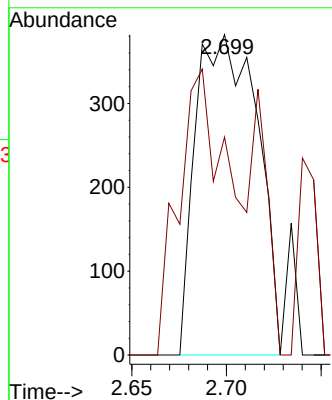
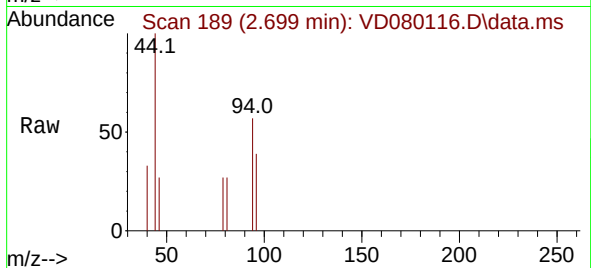




#6
Bromomethane
Concen: 0.380 ug/L
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

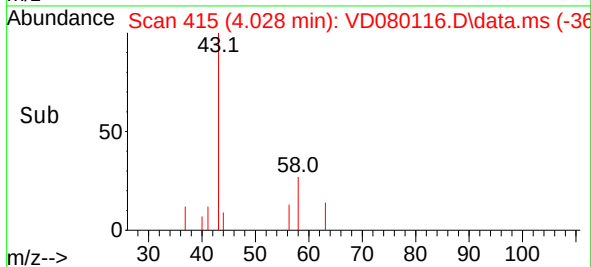
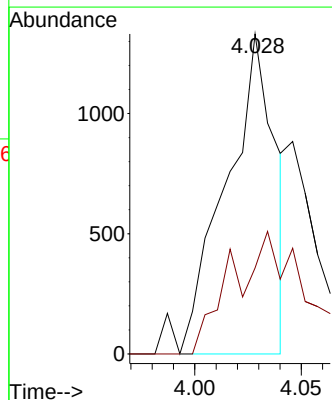
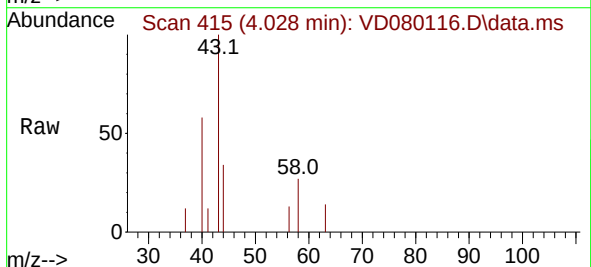
Instrument :
MSVOA_D
ClientSampleId :

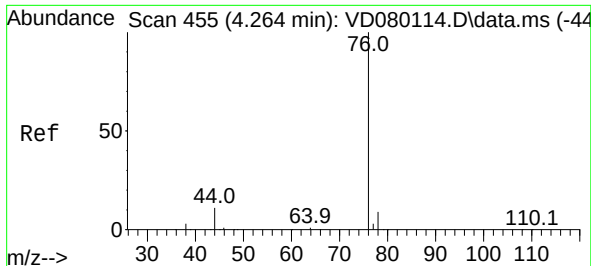
Tgt Ion: 94 Resp: 864
Ion Ratio Lower Upper
94 100
96 68.1 64.5 119.7



#13
Acetone
Concen: 2.031 ug/L
RT: 4.028 min Scan# 415
Delta R.T. -0.000 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
58 20.1 0.0 71.8

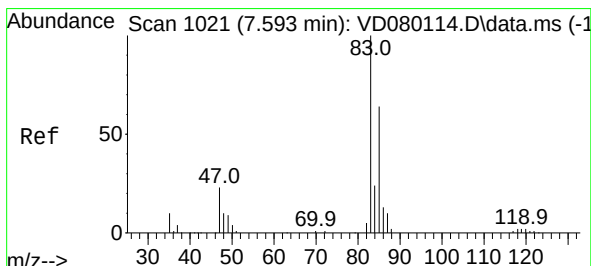
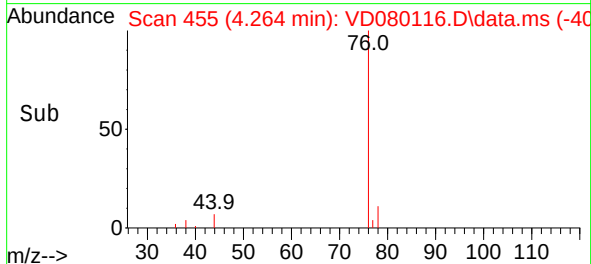
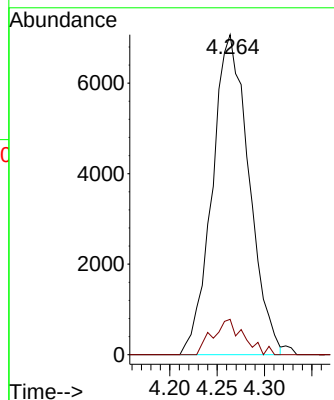
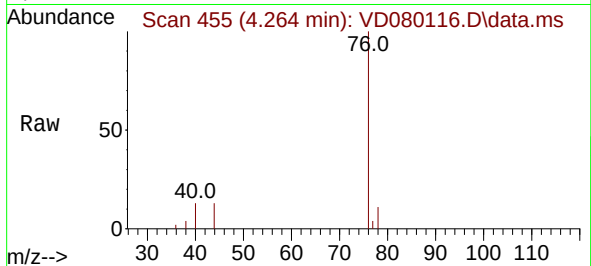




#14
Carbon disulfide
Concen: 1.884 ug/L
RT: 4.264 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

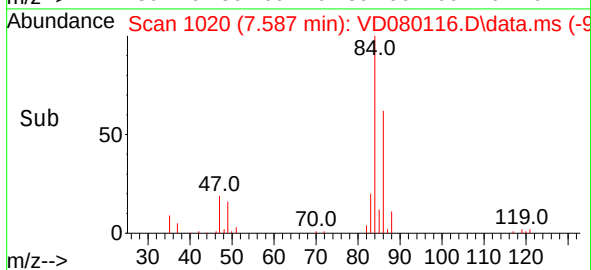
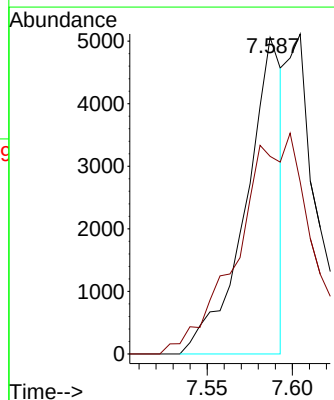
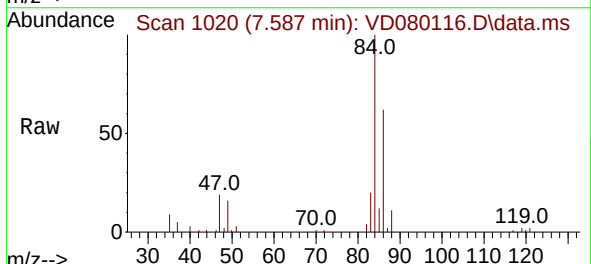
Instrument :
MSVOA_D
ClientSampleId :

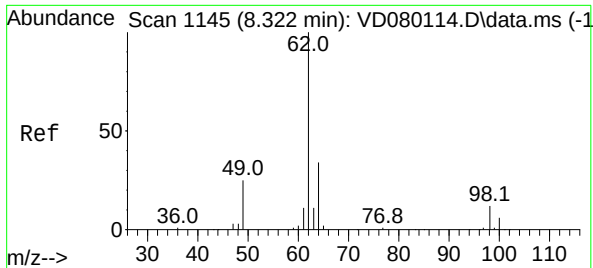
Tgt Ion: 76 Resp: 19089
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.2



#25
Chloroform
Concen: 1.243 ug/L
RT: 7.587 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

Tgt Ion: 83 Resp: 7529
Ion Ratio Lower Upper
83 100
85 62.4 45.6 84.6

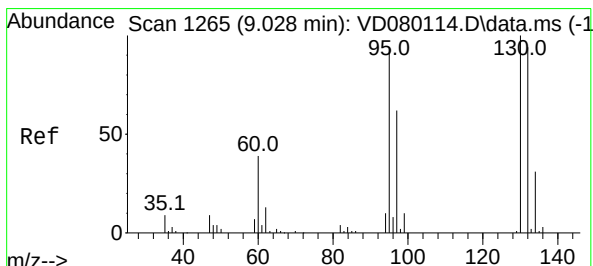
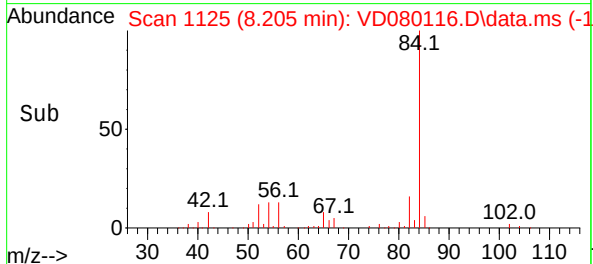
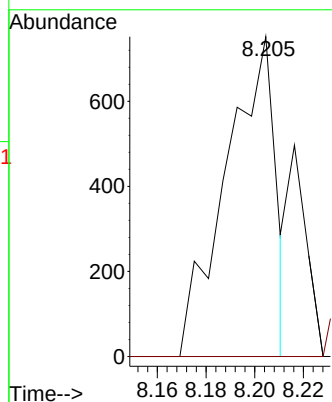
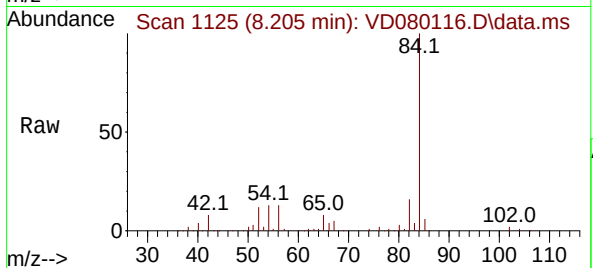




#27
1,2-Dichloroethane
Concen: 0.302 ug/L
RT: 8.205 min Scan# 1145
Delta R.T. -0.118 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

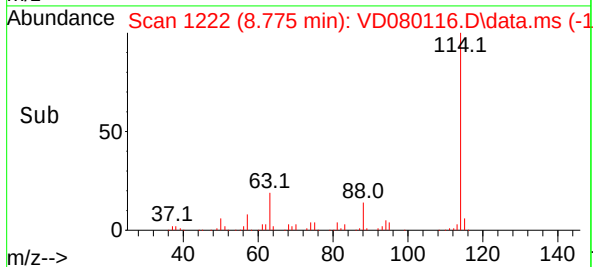
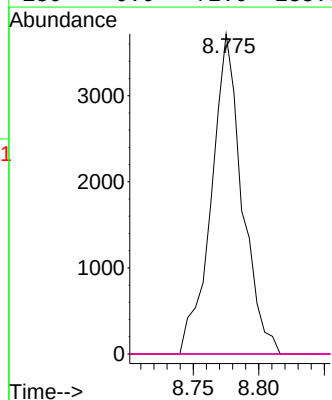
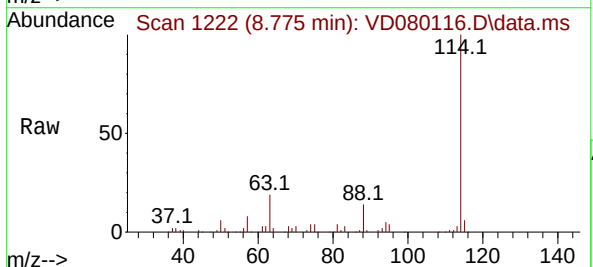
Instrument :
MSVOA_D
ClientSampleId :

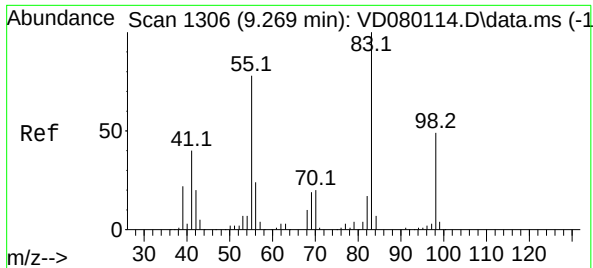
Tgt Ion: 62 Resp: 1062
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#



#34
Trichloroethene
Concen: 4.921 ug/L
RT: 8.775 min Scan# 1222
Delta R.T. -0.253 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

Tgt Ion: 95 Resp: 6063
Ion Ratio Lower Upper
95 100
97 0.0 47.7 88.5#
132 0.0 72.8 135.2#
130 0.0 72.0 133.6#





#35

Methylcyclohexane

Concen: 11.578 ug/L

RT: 9.210 min Scan# 1296

Delta R.T. -0.059 min

Lab File: VD080116.D

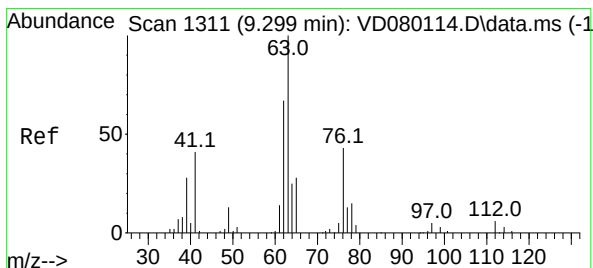
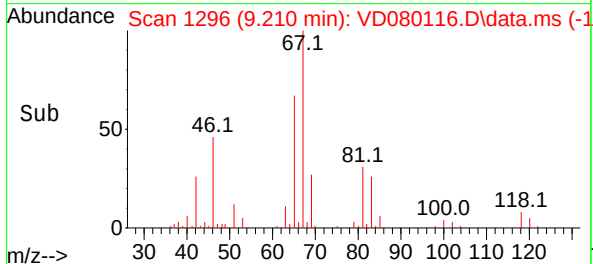
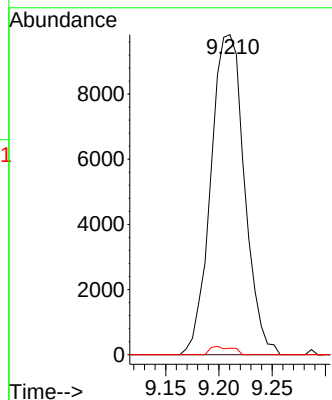
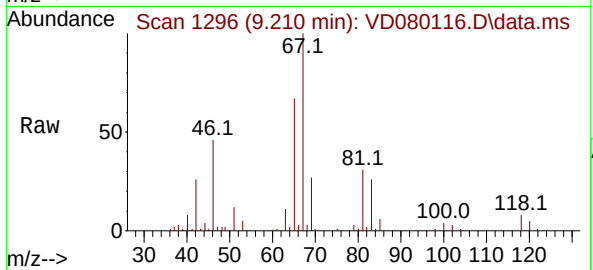
Acq: 09 Dec 2024 14:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	21581
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.6	38.2	57.2#



#37

1,2-Dichloropropane

Concen: 7.087 ug/L

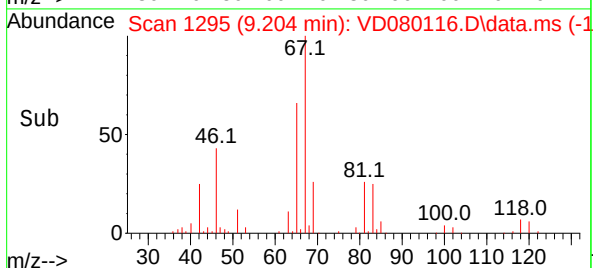
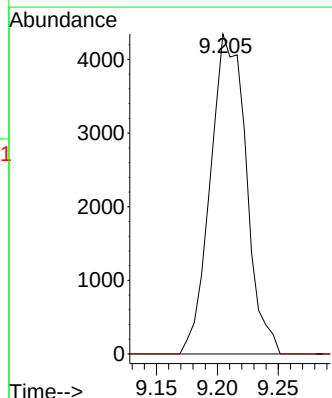
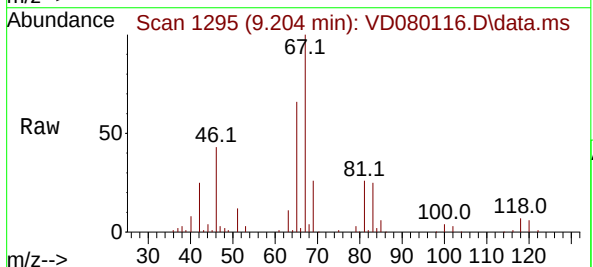
RT: 9.204 min Scan# 1295

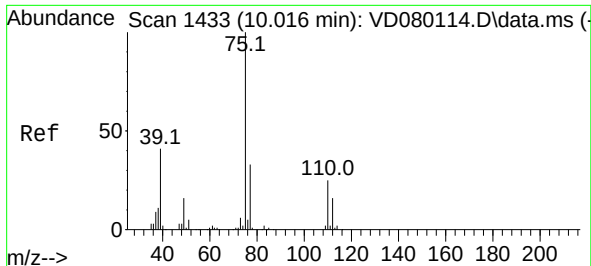
Delta R.T. -0.094 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

Tgt Ion:	63	Resp:	8889
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 9.969 min Scan# 1425

Delta R.T. -0.047 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

Instrument :

MSVOA_D

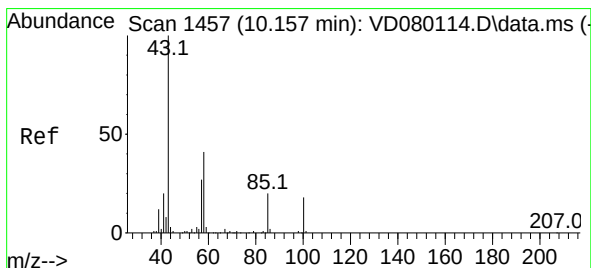
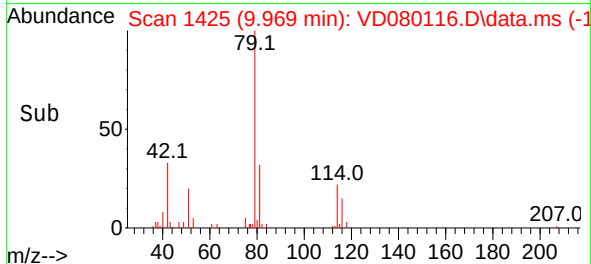
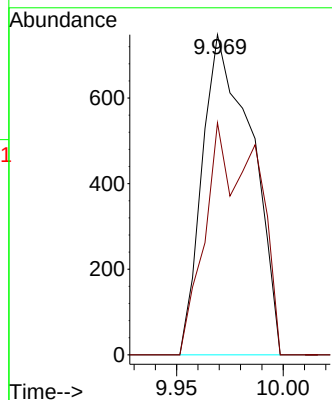
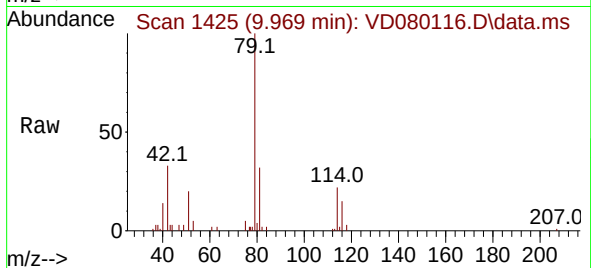
ClientSampleId :

Tgt Ion: 75 Resp: 1206

Ion Ratio Lower Upper

75 100

77 72.5 22.5 41.9#



#40

4-Methyl-2-pentanone

Concen: 0.972 ug/L

RT: 9.969 min Scan# 1425

Delta R.T. -0.188 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

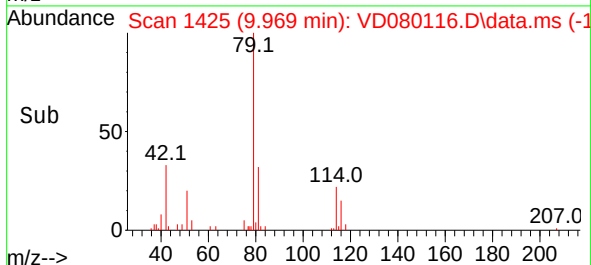
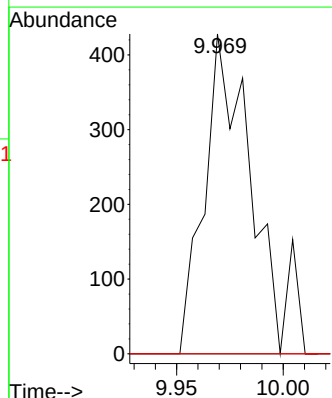
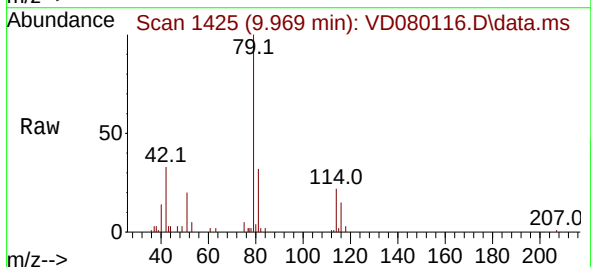
Tgt Ion: 43 Resp: 624

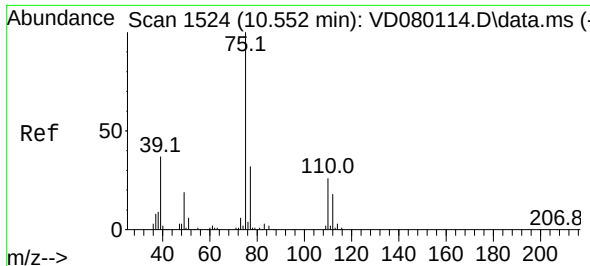
Ion Ratio Lower Upper

43 100

58 13.8 31.5 47.3#

100 0.0 12.7 19.1#





#44

trans-1,3-Dichloropropene

Concen: 0.369 ug/L

RT: 10.522 min Scan# 1519

Delta R.T. -0.029 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

Instrument :

MSVOA_D

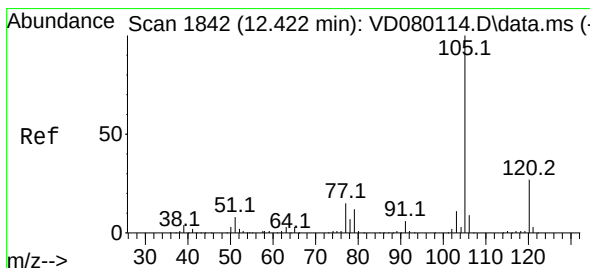
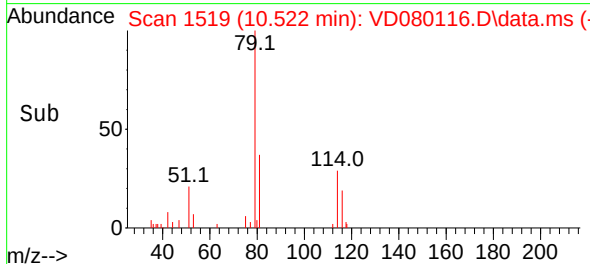
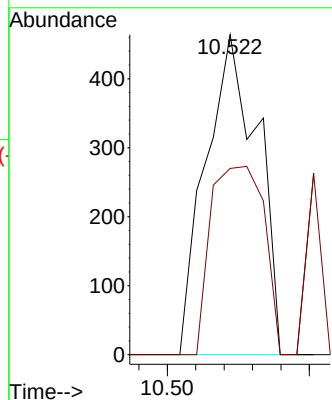
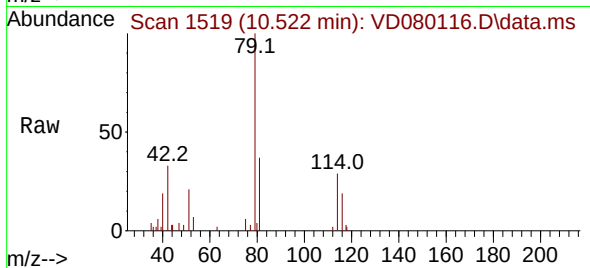
ClientSampleId :

Tgt Ion: 75 Resp: 590

Ion Ratio Lower Upper

75 100

77 58.2 21.0 39.0#



#60

Isopropylbenzene

Concen: 0.122 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

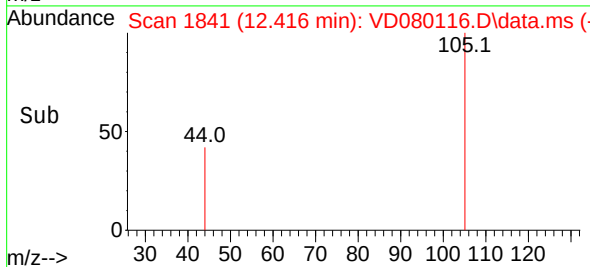
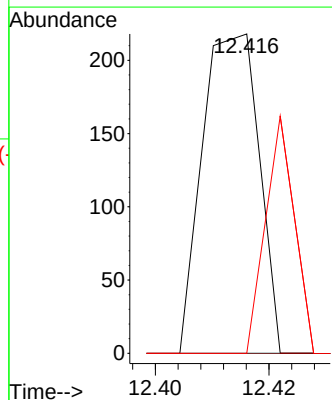
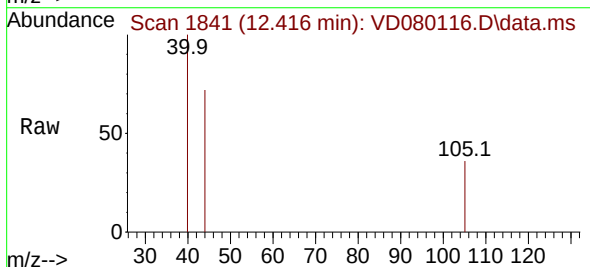
Tgt Ion:105 Resp: 151

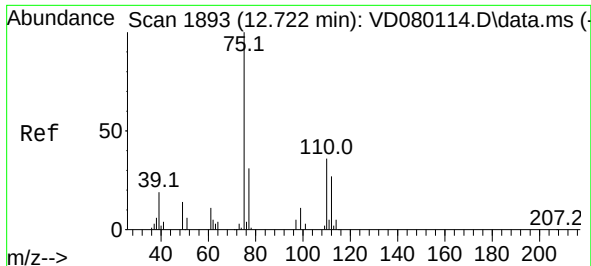
Ion Ratio Lower Upper

105 100

120 0.0 21.3 31.9#

77 0.0 12.6 18.8#





#61

1,2,3-Trichloropropane

Concen: 5.537 ug/L

RT: 13.516 min Scan# 20

Delta R.T. 0.794 min

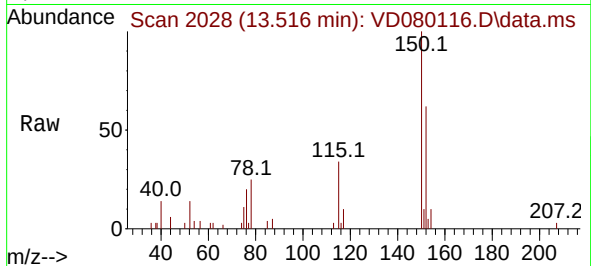
Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

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ClientSampleId :



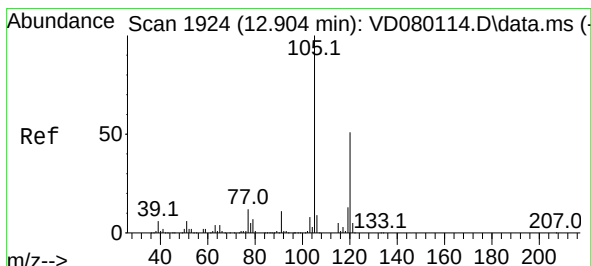
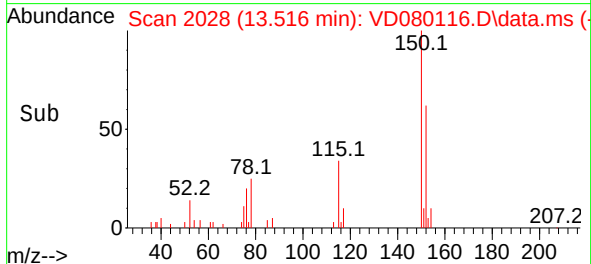
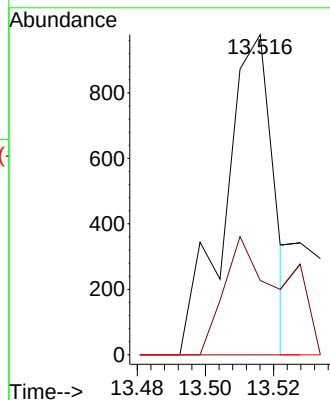
Tgt Ion: 75 Resp: 975

Ion Ratio Lower Upper

75 100

77 34.6 26.3 39.5

110 0.0 30.2 45.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.146 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD080116.D

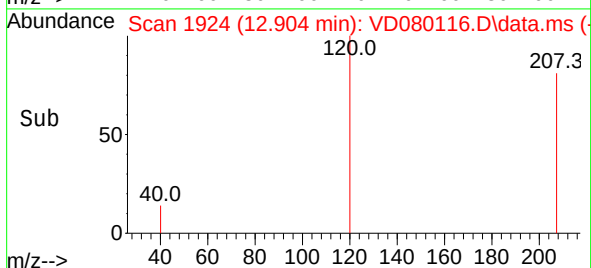
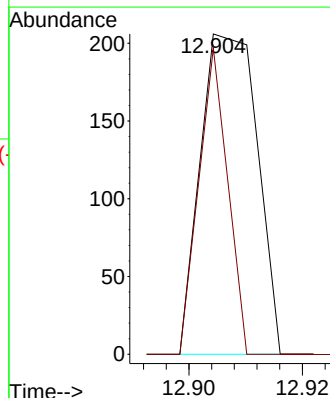
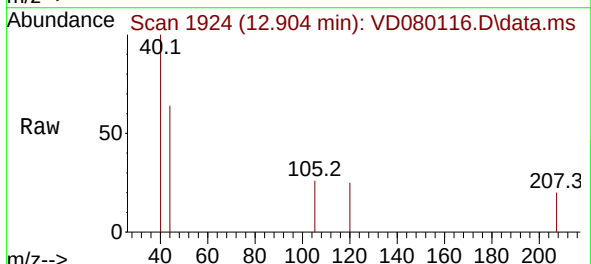
Acq: 09 Dec 2024 14:28

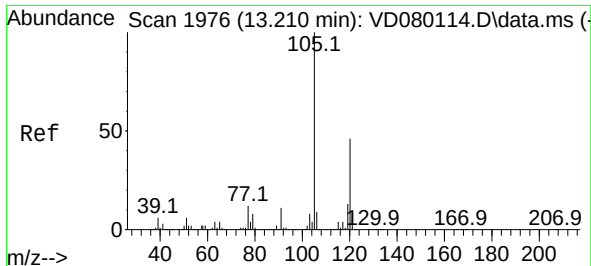
Tgt Ion: 105 Resp: 143

Ion Ratio Lower Upper

105 100

120 0.0 38.8 58.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.148 ug/L

RT: 12.904 min Scan# 1

Delta R.T. -0.306 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

Instrument :

MSVOA_D

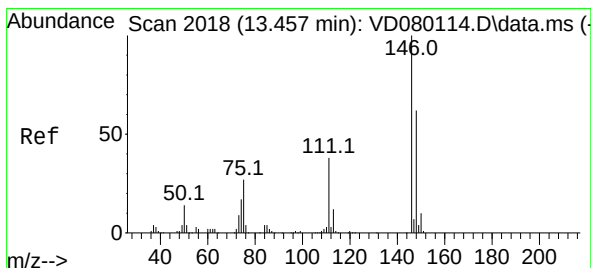
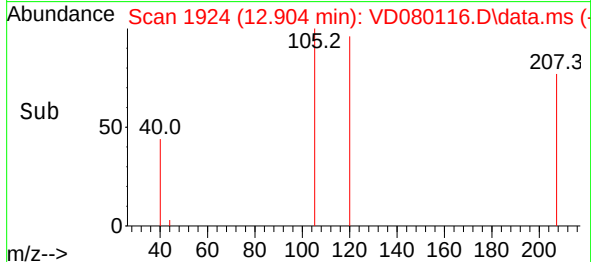
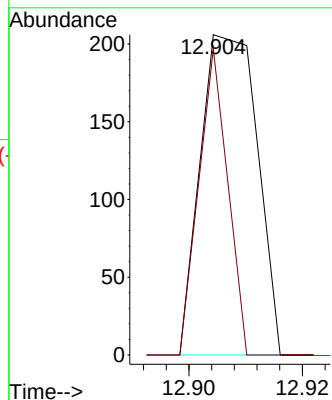
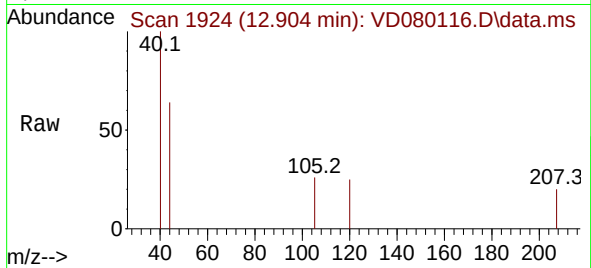
ClientSampleId :

Tgt Ion:105 Resp: 143

Ion Ratio Lower Upper

105 100

120 0.0 36.8 55.2#



#64

1,3-Dichlorobenzene

Concen: 0.270 ug/L

RT: 13.451 min Scan# 2017

Delta R.T. -0.006 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

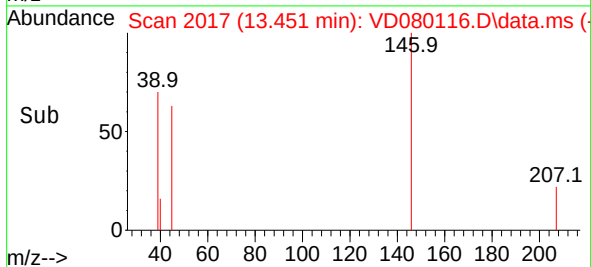
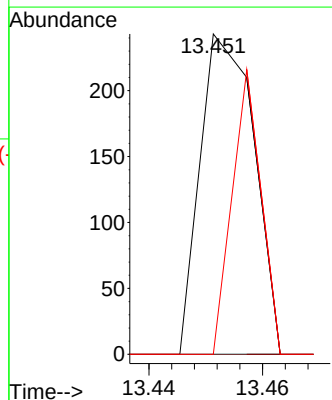
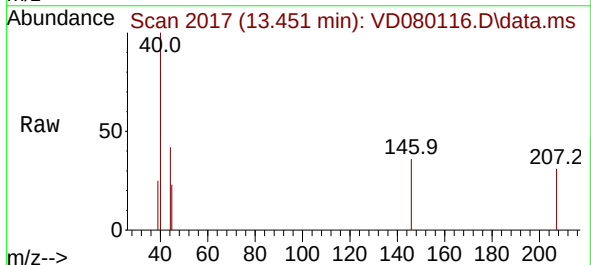
Tgt Ion:146 Resp: 160

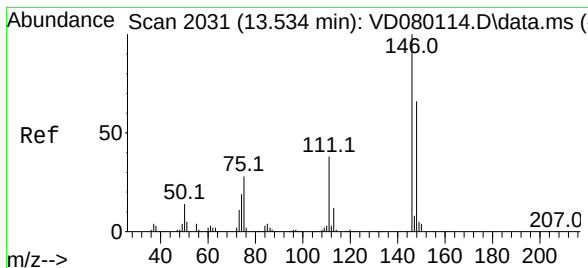
Ion Ratio Lower Upper

146 100

111 0.0 28.2 52.4#

148 0.0 44.4 82.4#





#65

1,4-Dichlorobenzene

Concen: 0.303 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.000 min

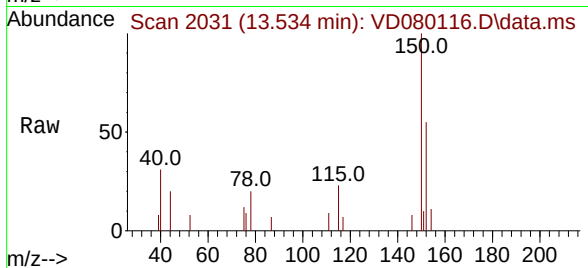
Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

Instrument :

MSVOA_D

ClientSampleId :



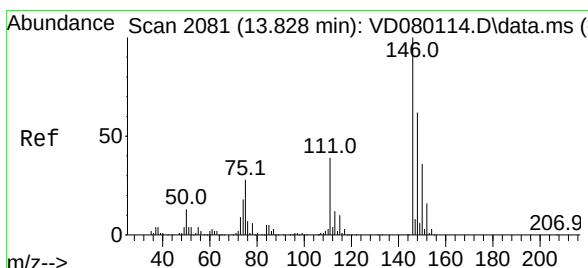
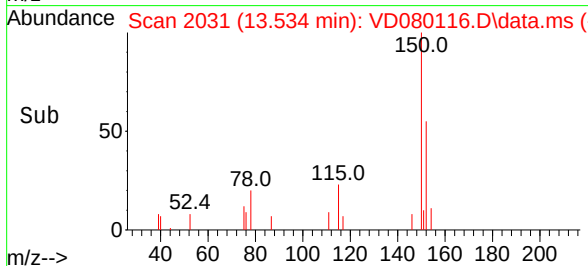
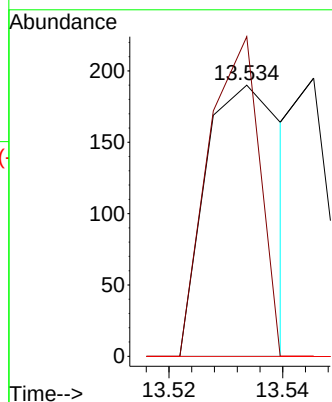
Tgt Ion:146 Resp: 184

Ion Ratio Lower Upper

146 100

111 117.9 26.2 48.8#

148 0.0 46.1 85.5#



#67

1,2-Dichlorobenzene

Concen: 0.307 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

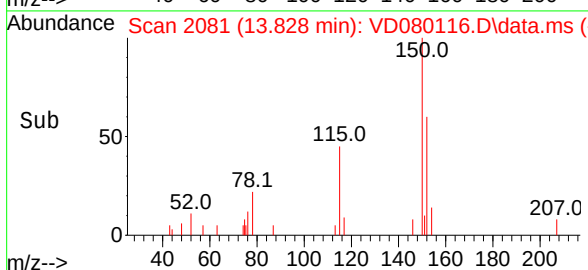
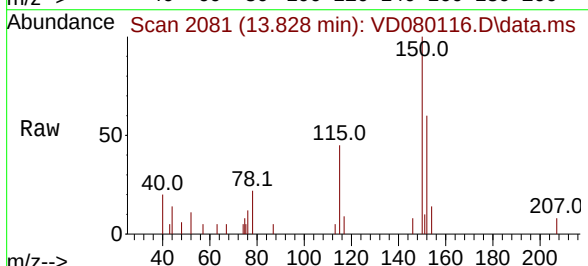
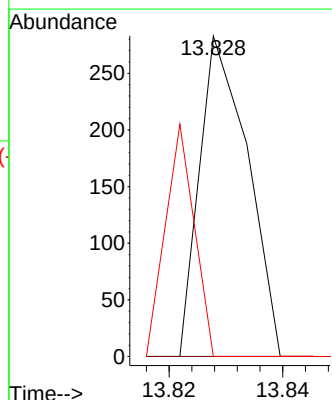
Tgt Ion:146 Resp: 166

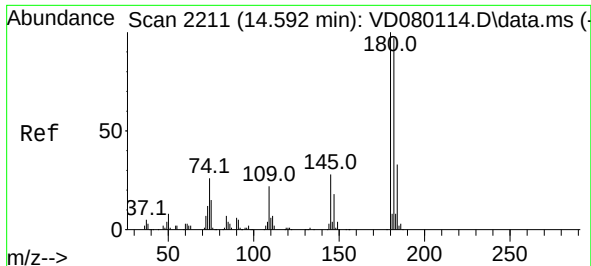
Ion Ratio Lower Upper

146 100

111 0.0 33.0 49.6#

148 0.0 51.0 76.4#





#69

1,3,5-Trichlorobenzene

Concen: 0.643 ug/L

RT: 15.092 min Scan# 2211

Delta R.T. 0.500 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:180 Resp: 261

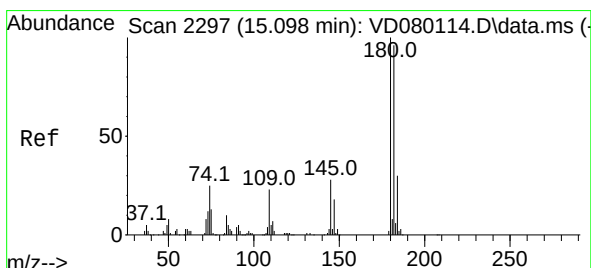
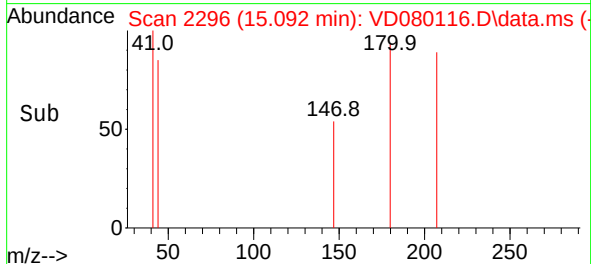
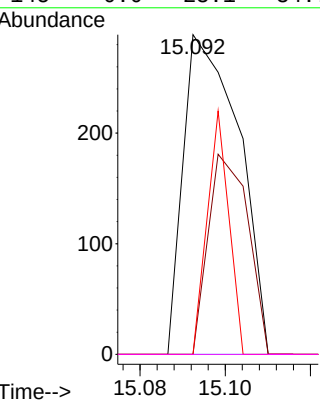
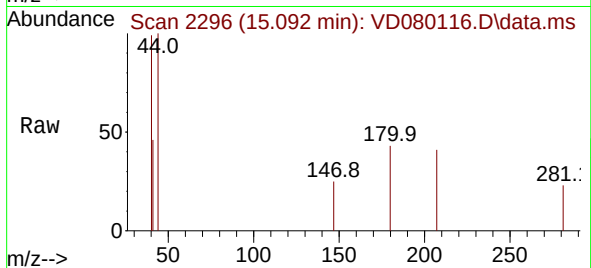
Ion Ratio Lower Upper

180 100

182 45.2 75.8 113.6#

184 0.0 24.6 36.8#

145 0.0 23.1 34.7#



#70

1,2,4-trichlorobenzene

Concen: 0.783 ug/L

RT: 15.092 min Scan# 2296

Delta R.T. -0.006 min

Lab File: VD080116.D

Acq: 09 Dec 2024 14:28

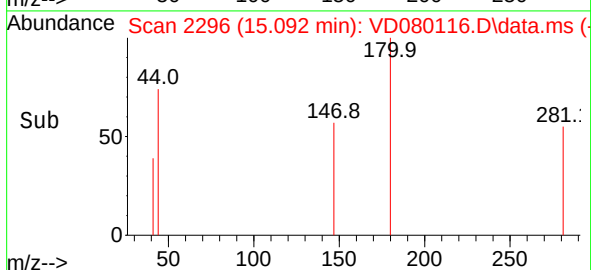
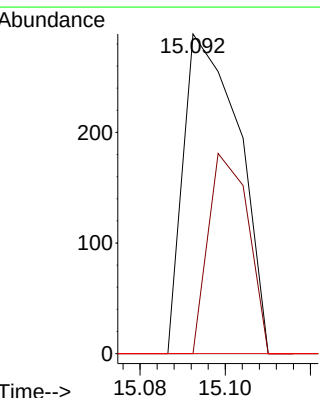
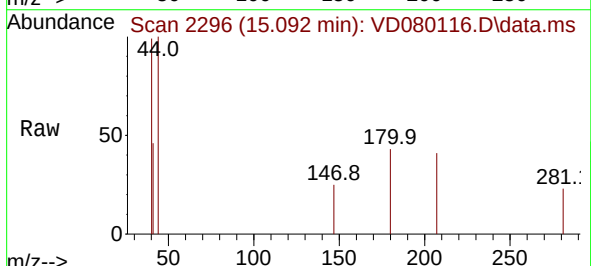
Tgt Ion:180 Resp: 261

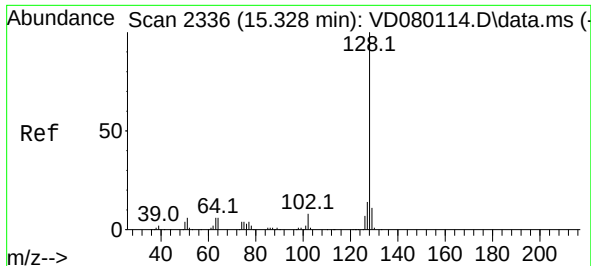
Ion Ratio Lower Upper

180 100

182 45.2 75.9 113.9#

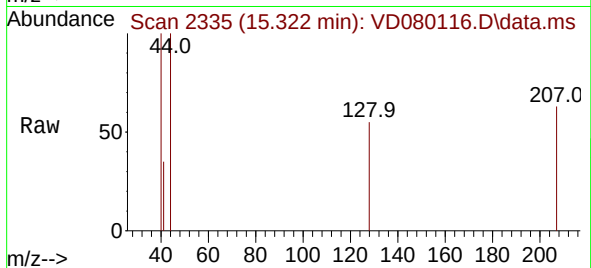
145 0.0 23.0 34.4#



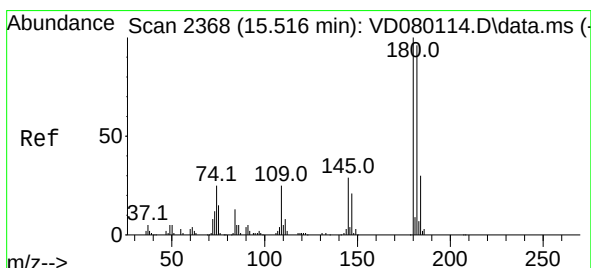
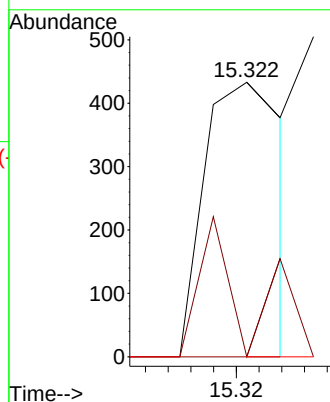
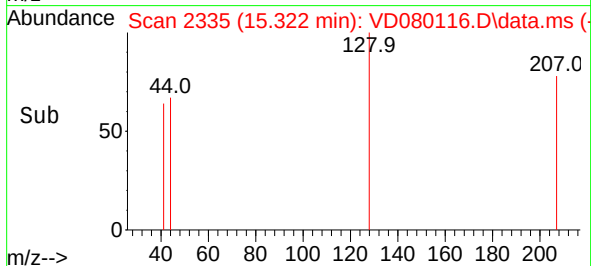


#71
Naphthalene
Concen: 0.689 ug/L
RT: 15.322 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 426
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.6
129 0.0 8.8 13.2#



#72
1,2,3-Trichlorobenzene
Concen: 1.065 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.006 min
Lab File: VD080116.D
Acq: 09 Dec 2024 14:28

Tgt Ion:180 Resp: 327
Ion Ratio Lower Upper
180 100
182 58.1 75.8 113.8#
145 0.0 24.9 37.3#

