

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083895.D
 Acq On : 14 Sep 2024 17:08
 Operator : JC\MD
 Sample : P3886-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-090624

Quant Time: Sep 16 01:37:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

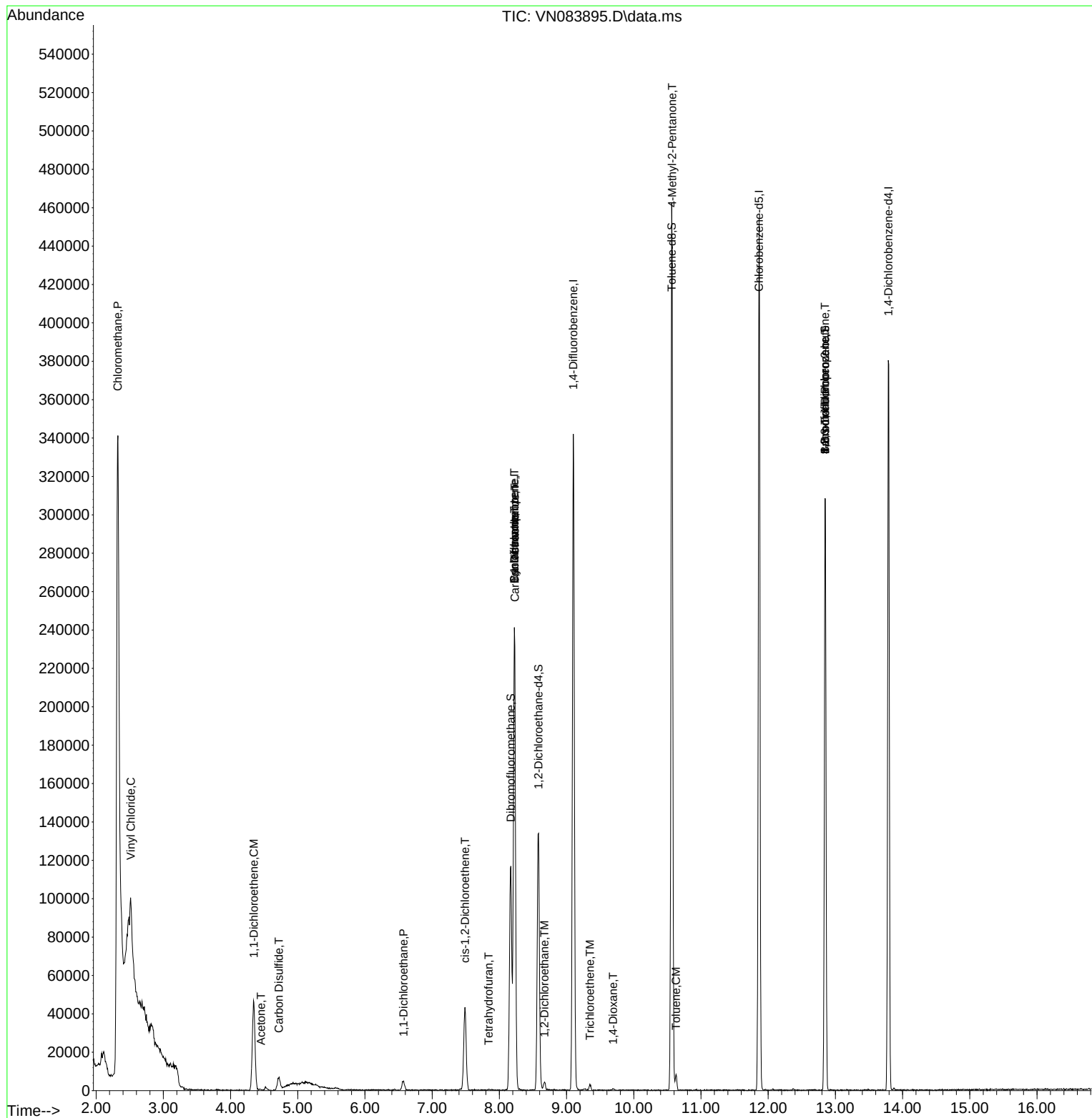
Internal Standards						
1) Pentafluorobenzene	8.224	168	163960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117247	47.425	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.840%		
35) Dibromofluoromethane	8.171	113	84403	47.387	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	10.565	98	306617	49.795	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.600%		
62) 4-Bromofluorobenzene	12.847	95	103407	40.704	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	81.400%		
Target Compounds						Qvalue
3) Chloromethane	2.324	50	19209	8.341	ug/l #	41
4) Vinyl Chloride	2.518	62	13997	6.706	ug/l #	1
12) 1,1-Dichloroethene	4.347	96	26485	14.935	ug/l	98
16) Acetone	4.453	43	703	0.709	ug/l #	45
17) Carbon Disulfide	4.718	76	15904	3.206	ug/l	98
24) 1,1-Dichloroethane	6.577	63	7208	1.923	ug/l #	89
27) cis-1,2-Dichloroethene	7.488	96	24612	10.909	ug/l	90
29) Tetrahydrofuran	7.841	42	361	0.469	ug/l #	44
31) Cyclohexane	8.224	56	4723	1.322	ug/l #	55
36) 1,1-Dichloropropene	8.224	75	15394	5.742	ug/l #	44
38) Carbon Tetrachloride	8.230	117	19123	6.287	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	3906	1.295	ug/l	85
44) Trichloroethene	9.347	130	790	0.423	ug/l	38
49) 1,4-Dioxane	9.694	88	653	18.973	ug/l #	42
51) 4-Methyl-2-Pentanone	10.571	43	1519	0.633	ug/l #	1
52) Toluene	10.629	92	3351	0.679	ug/l	88
71) Bromoform	12.847	173	535	0.433	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	59255	29.867	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59255	78.225	ug/l #	9

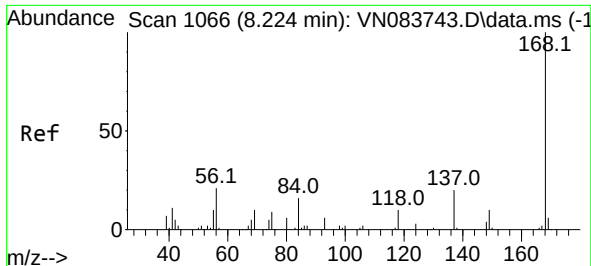
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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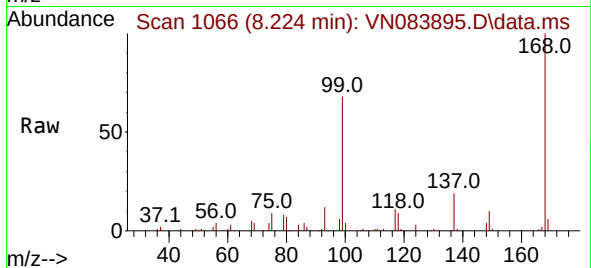
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



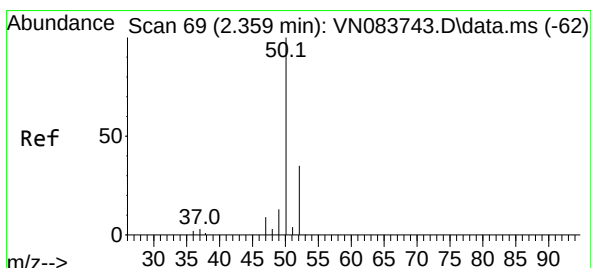
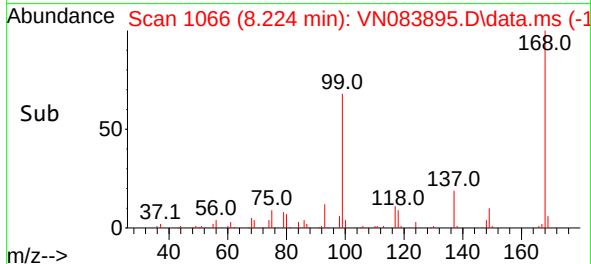
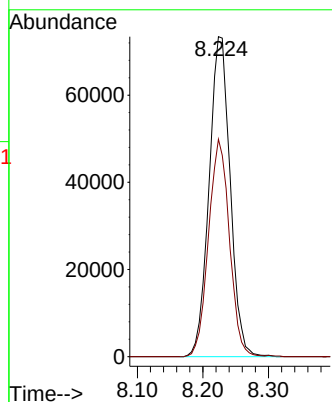


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Instrument :
MSVOA_N
ClientSampleId :
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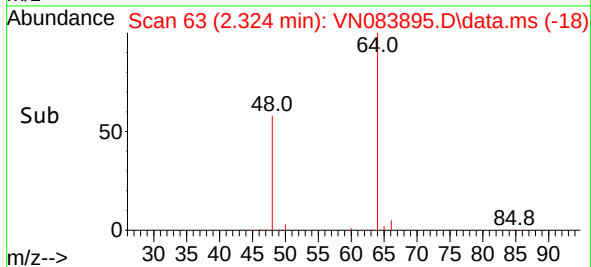
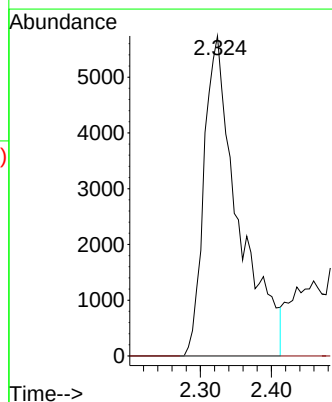
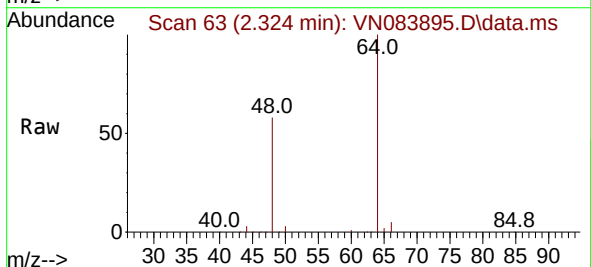


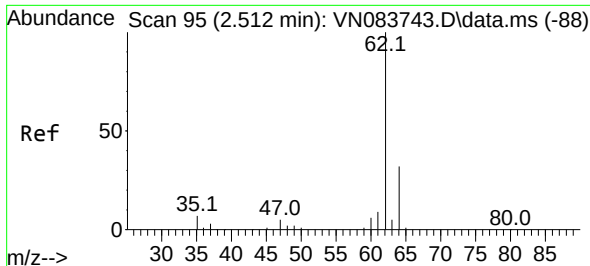
Tgt Ion:168 Resp: 163960
Ion Ratio Lower Upper
168 100
99 68.0 54.2 81.2



#3
Chloromethane
Concen: 8.341 ug/l
RT: 2.324 min Scan# 63
Delta R.T. -0.035 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Tgt Ion: 50 Resp: 19209
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

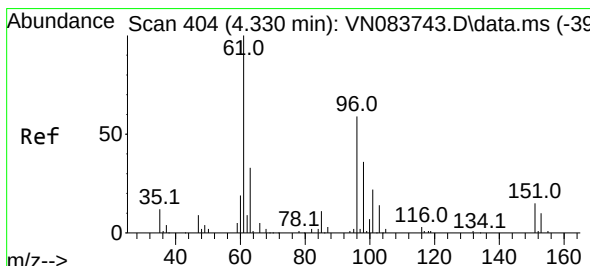
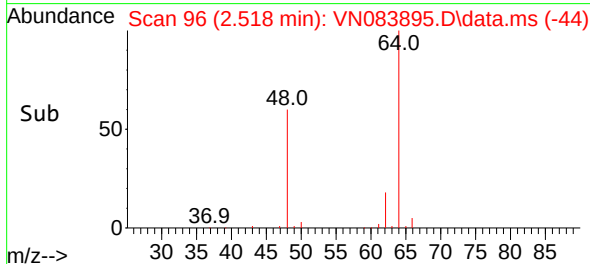
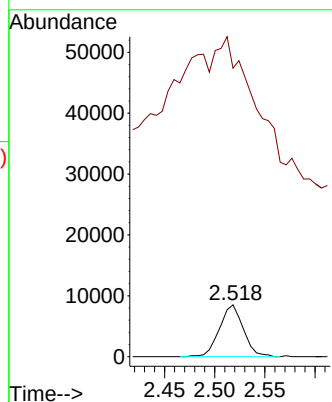
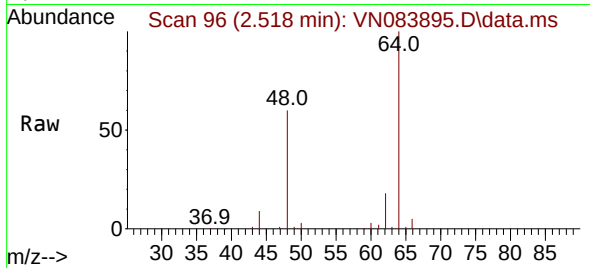




#4
 Vinyl Chloride
 Concen: 6.706 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN083895.D
 Acq: 14 Sep 2024 17:08

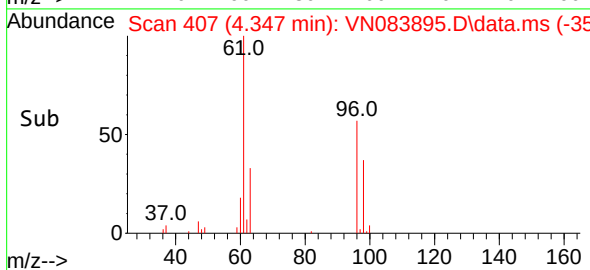
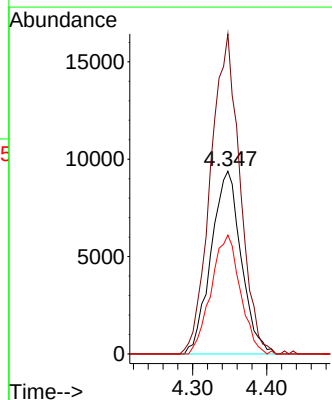
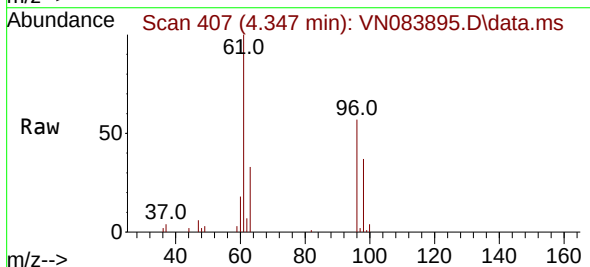
Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-090624

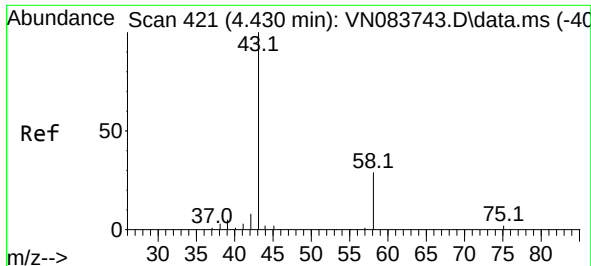
Tgt Ion: 62 Resp: 13997
 Ion Ratio Lower Upper
 62 100
 64 181.7 24.7 37.1#



#12
 1,1-Dichloroethene
 Concen: 14.935 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN083895.D
 Acq: 14 Sep 2024 17:08

Tgt Ion: 96 Resp: 26485
 Ion Ratio Lower Upper
 96 100
 61 175.1 143.4 215.0
 98 65.1 52.7 79.1





#16

Acetone

Concen: 0.709 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN083895.D

Acq: 14 Sep 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

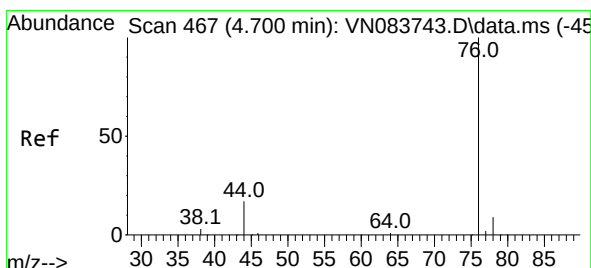
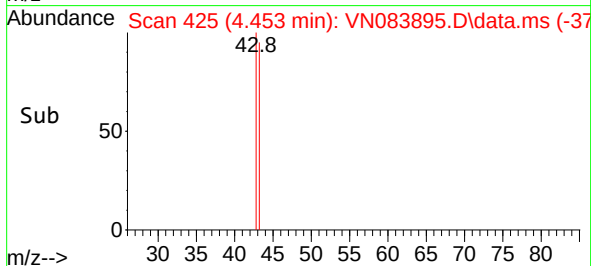
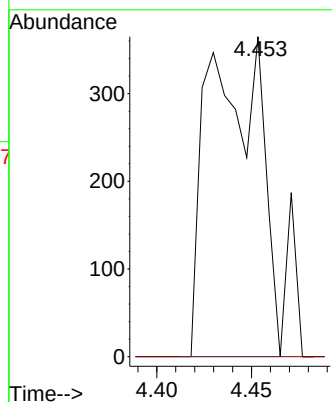
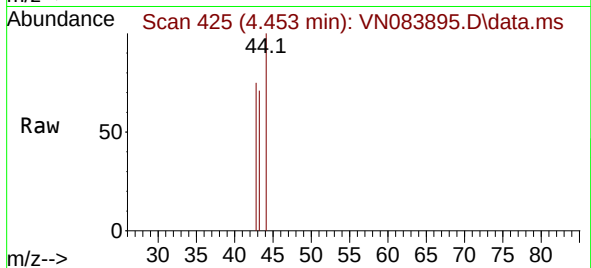
BR-01-190-090624

Tgt Ion: 43 Resp: 703

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 3.206 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.018 min

Lab File: VN083895.D

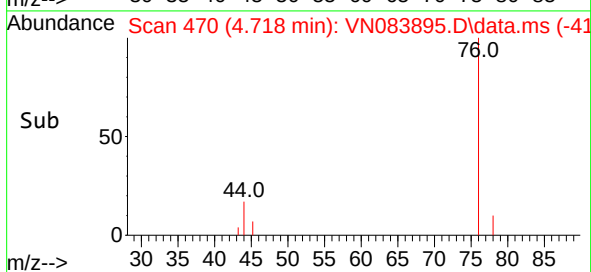
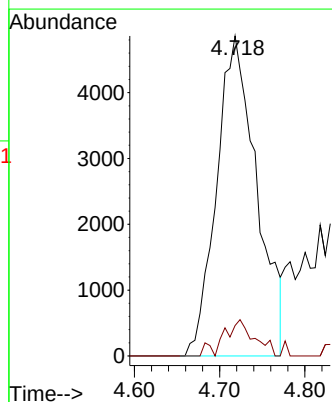
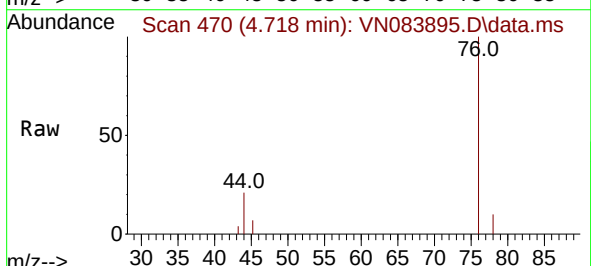
Acq: 14 Sep 2024 17:08

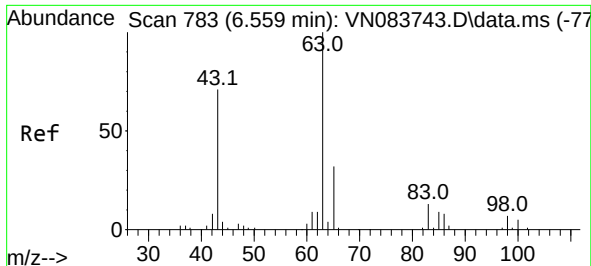
Tgt Ion: 76 Resp: 15904

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

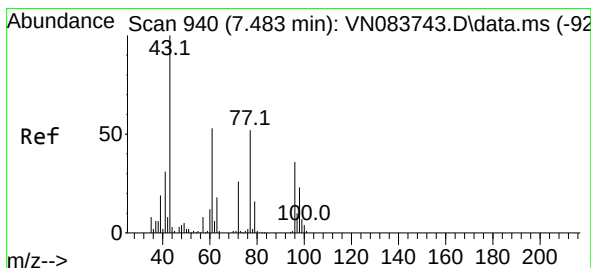
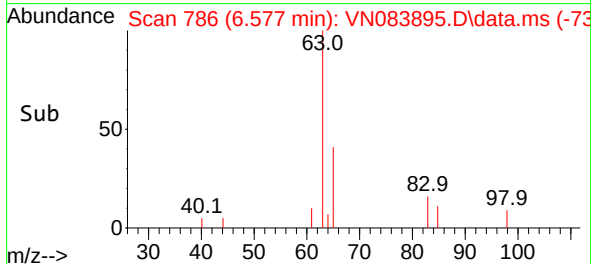
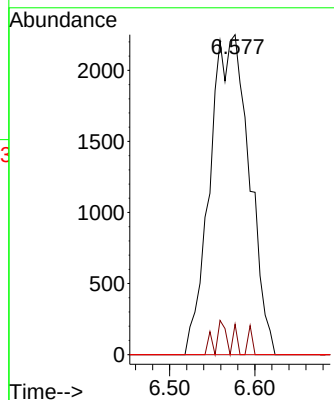
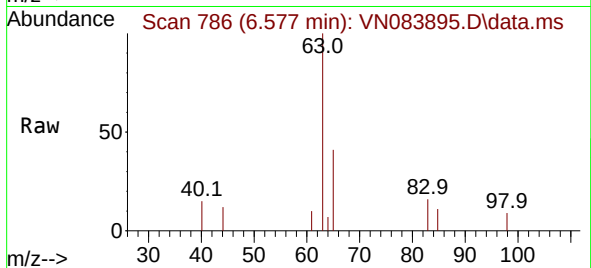




#24
 1,1-Dichloroethane
 Concen: 1.923 ug/l
 RT: 6.577 min Scan# 71
 Delta R.T. 0.018 min
 Lab File: VN083895.D
 Acq: 14 Sep 2024 17:08

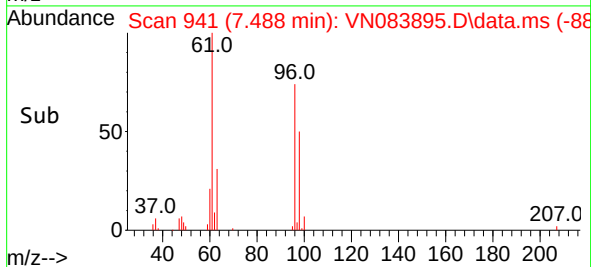
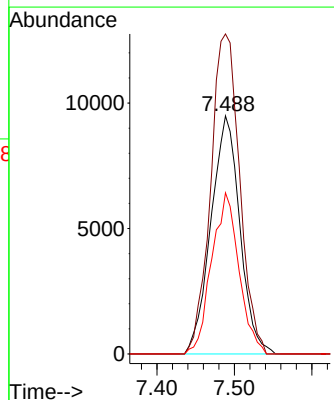
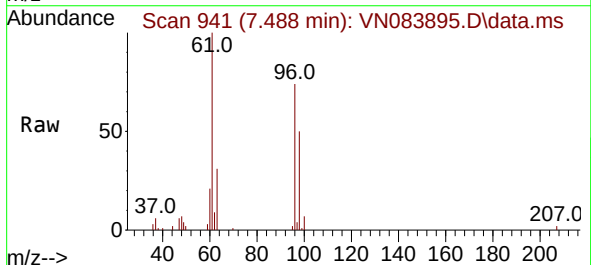
Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-090624

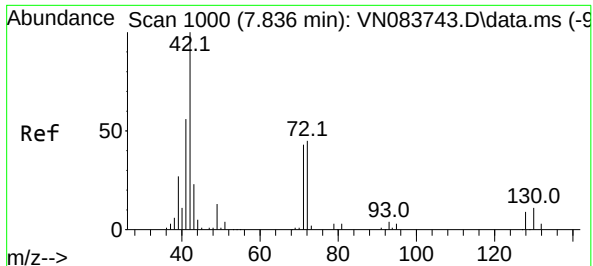
Tgt Ion: 63 Resp: 7208
 Ion Ratio Lower Upper
 63 100
 98 9.5 3.5 10.4
 100 0.0 2.5 7.5#



#27
 cis-1,2-Dichloroethene
 Concen: 10.909 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN083895.D
 Acq: 14 Sep 2024 17:08

Tgt Ion: 96 Resp: 24612
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 306.2
 98 63.8 0.0 128.6





#29

Tetrahydrofuran

Concen: 0.469 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN083895.D

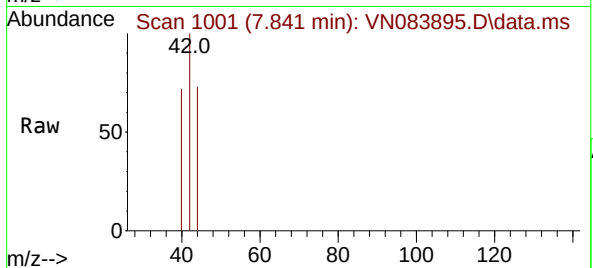
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Instrument :

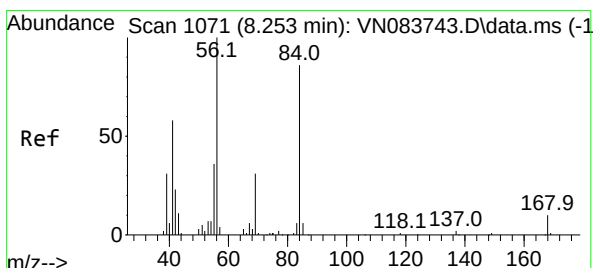
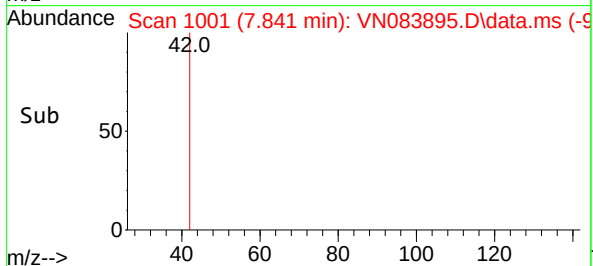
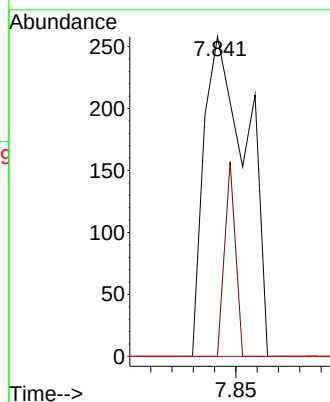
MSVOA_N

ClientSampleId :

BR-01-190-090624



Tgt Ion:	42	Resp:	361
Ion	Ratio	Lower	Upper
42	100		
72	15.2	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.322 ug/l

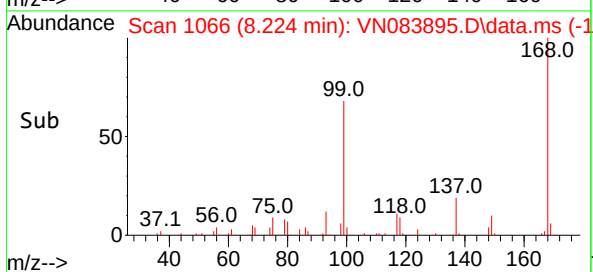
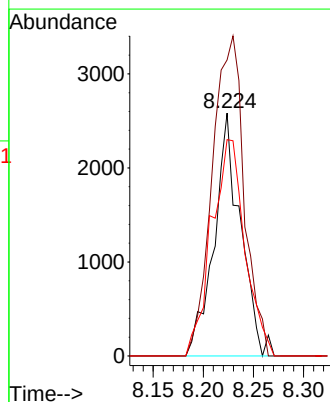
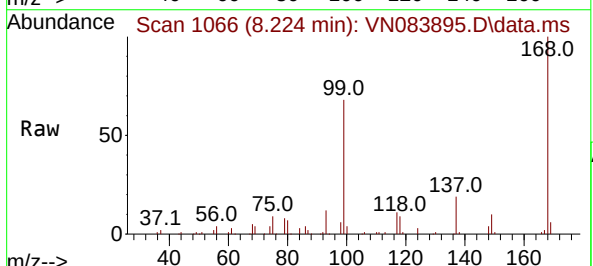
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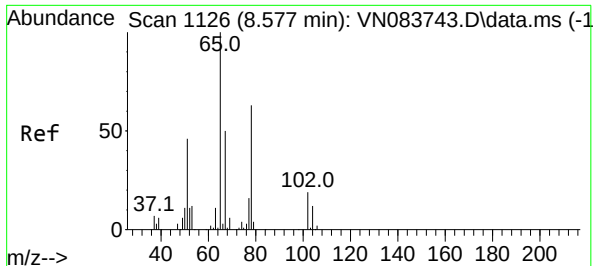
Delta R.T. -0.029 min

Lab File: VN083895.D

Acq: 14 Sep 2024 17:08

Tgt Ion:	56	Resp:	4723
Ion	Ratio	Lower	Upper
56	100		
69	121.8	26.9	40.3#
84	89.0	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 47.425 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN083895.D

Acq: 14 Sep 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

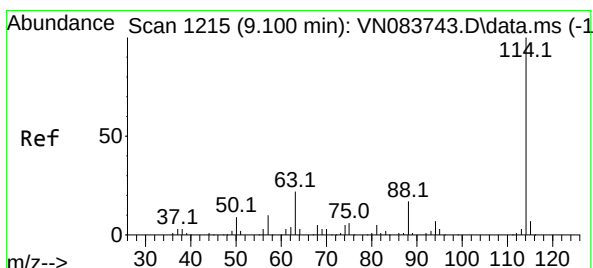
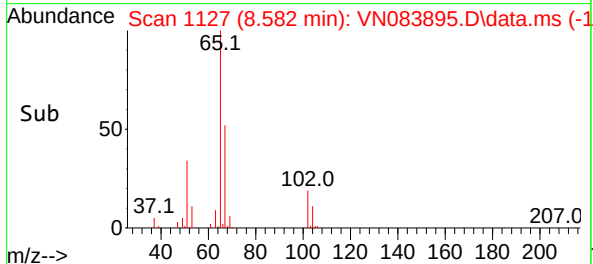
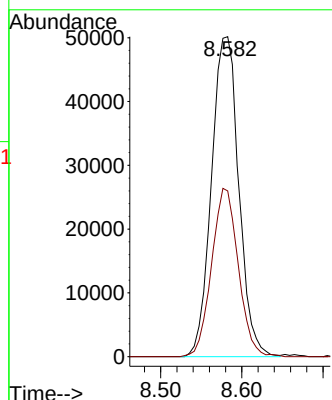
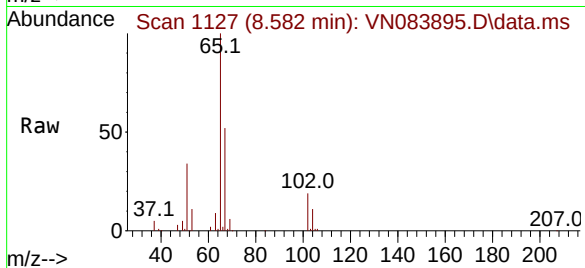
BR-01-190-090624

Tgt Ion: 65 Resp: 117247

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083895.D

Acq: 14 Sep 2024 17:08

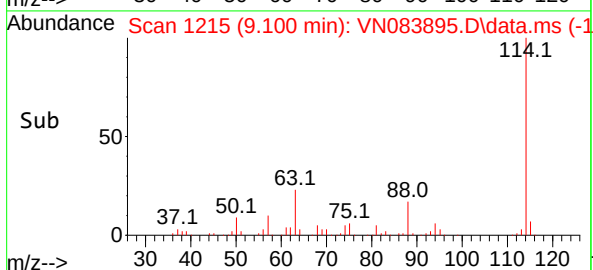
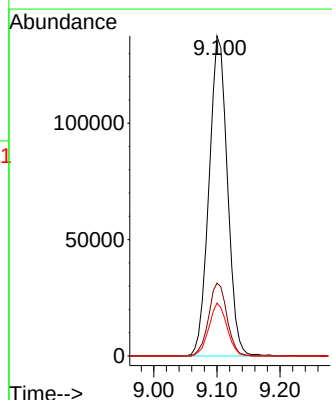
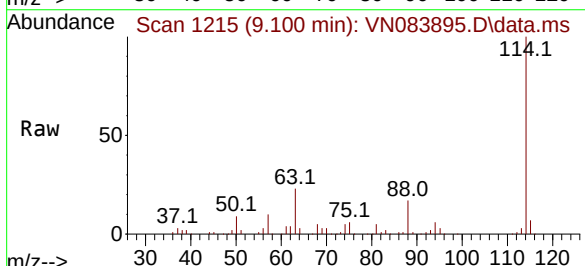
Tgt Ion: 114 Resp: 278225

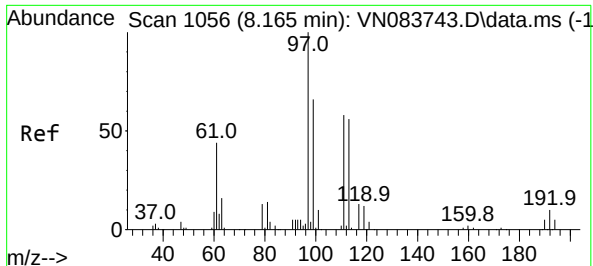
Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.387 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083895.D

Acq: 14 Sep 2024 17:08

Instrument :

MSVOA_N

ClientSampleId :

BR-01-190-090624

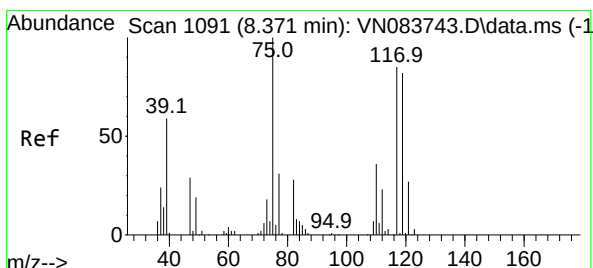
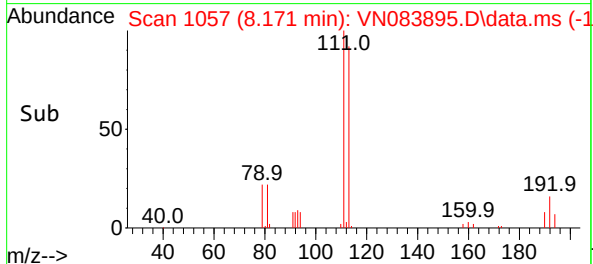
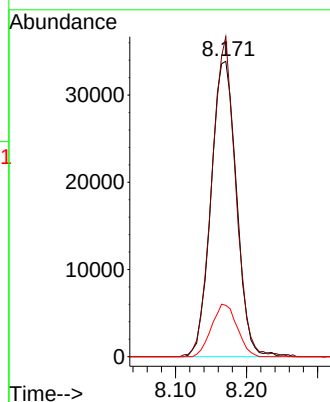
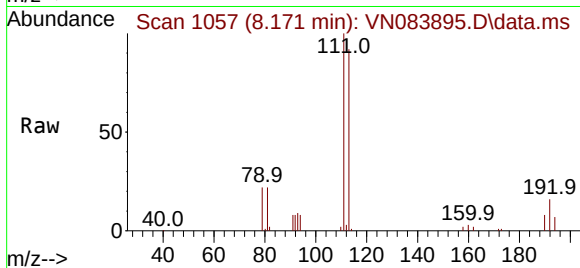
Tgt Ion:113 Resp: 84403

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 17.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.742 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083895.D

Acq: 14 Sep 2024 17:08

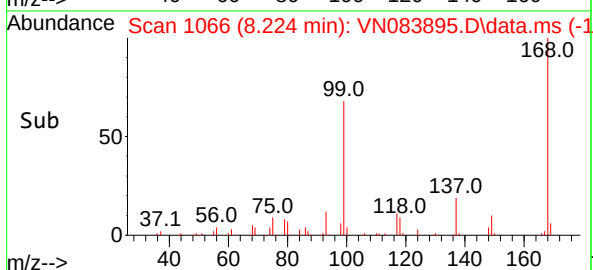
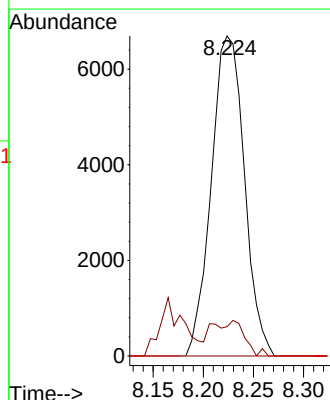
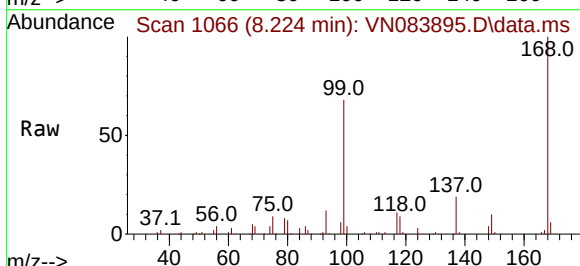
Tgt Ion: 75 Resp: 15394

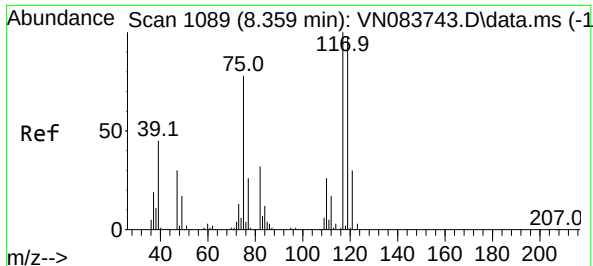
Ion Ratio Lower Upper

75 100

110 2.4 16.7 50.1#

77 0.0 25.2 37.8#

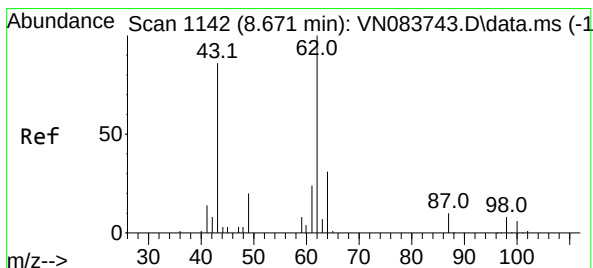
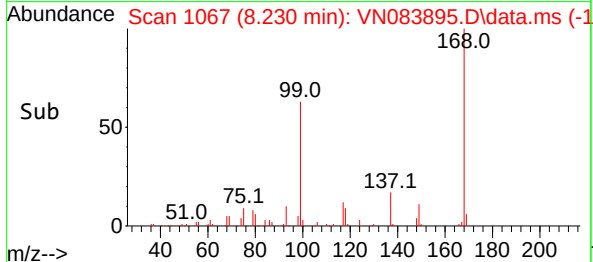
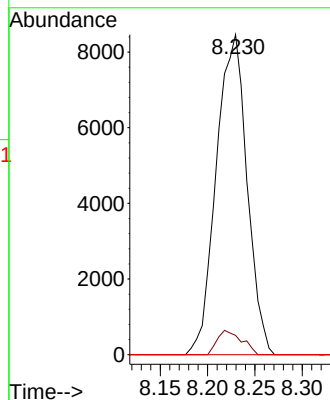
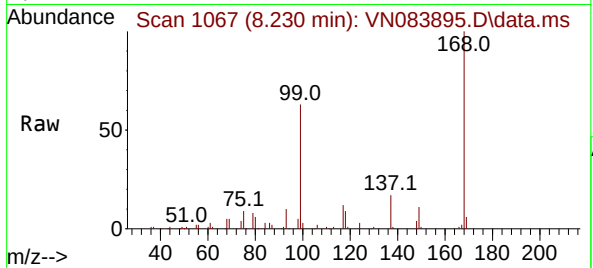




#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

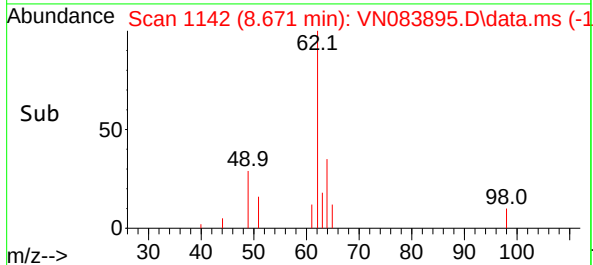
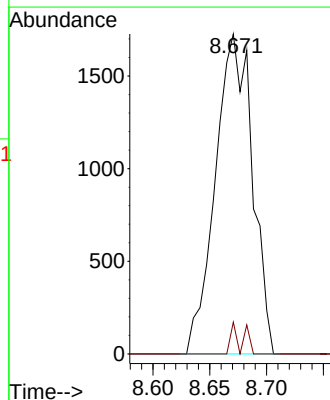
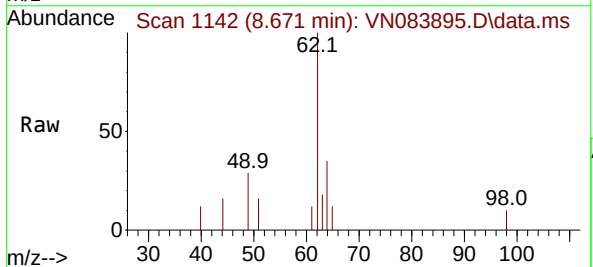
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-090624

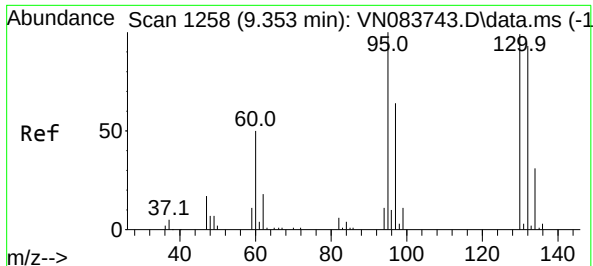
Tgt Ion:117 Resp: 19123
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 1.295 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Tgt Ion: 62 Resp: 3906
Ion Ratio Lower Upper
62 100
98 3.0 0.0 16.6

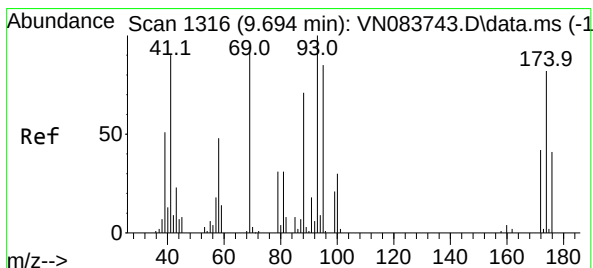
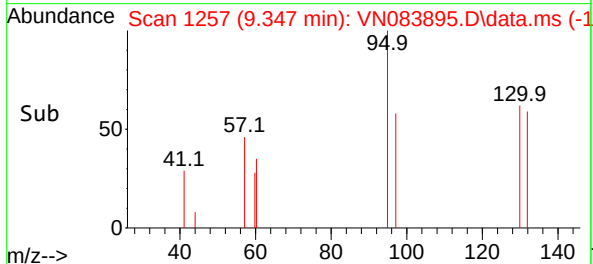
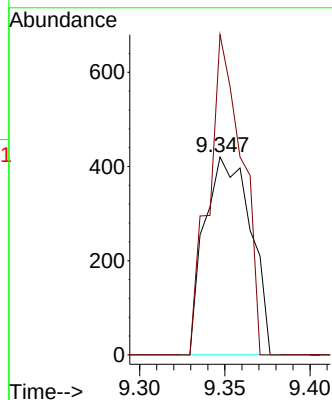
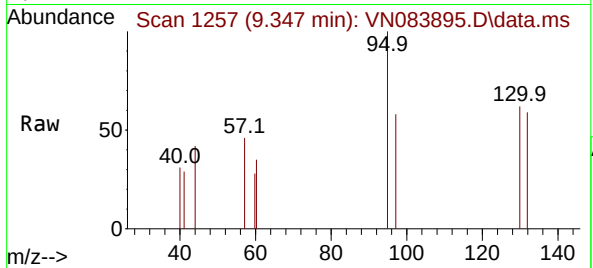




#44
Trichloroethene
Concen: 0.423 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

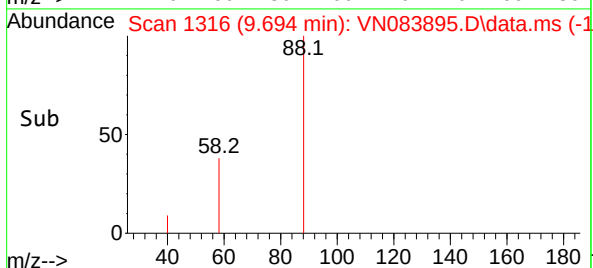
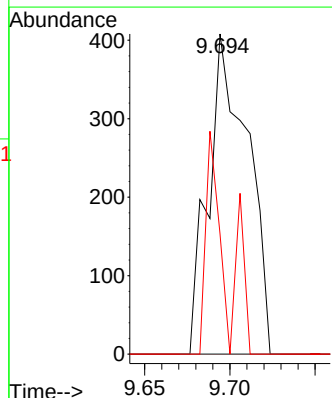
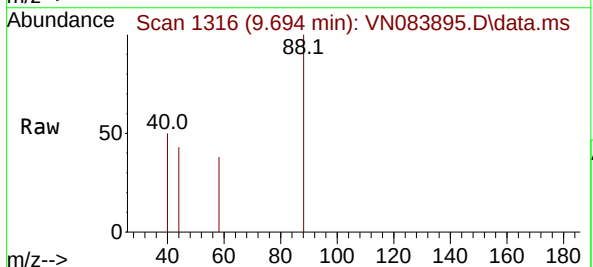
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-090624

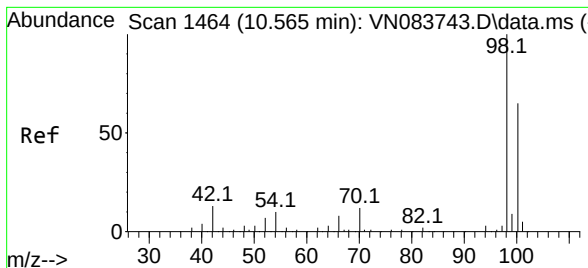
Tgt Ion:130 Resp: 790
Ion Ratio Lower Upper
130 100
95 161.9 0.0 200.4



#49
1,4-Dioxane
Concen: 18.973 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Tgt Ion: 88 Resp: 653
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 23.6 57.1 85.7#

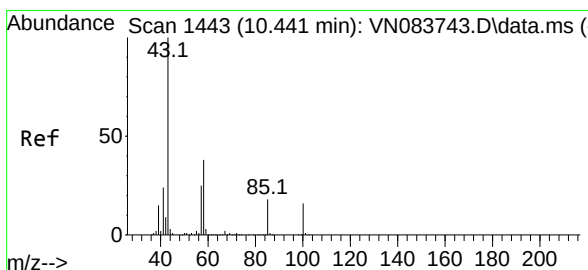
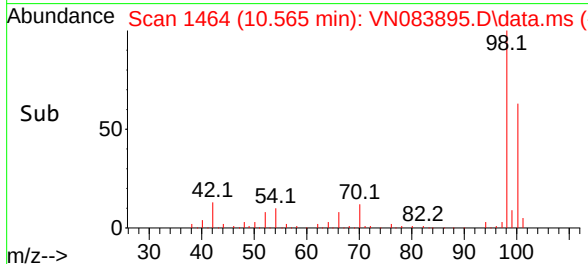
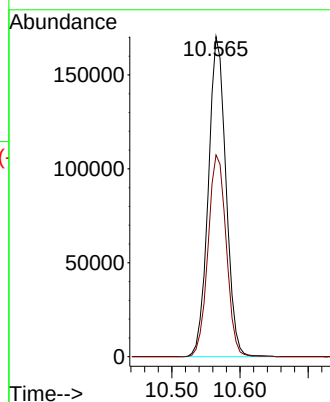
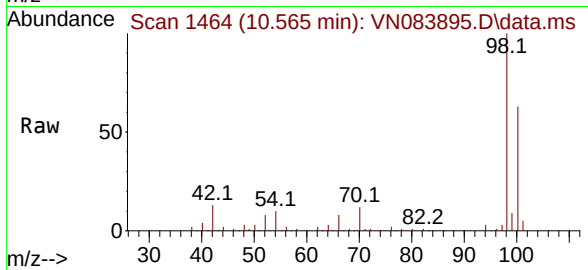




#50
Toluene-d8
Concen: 49.795 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

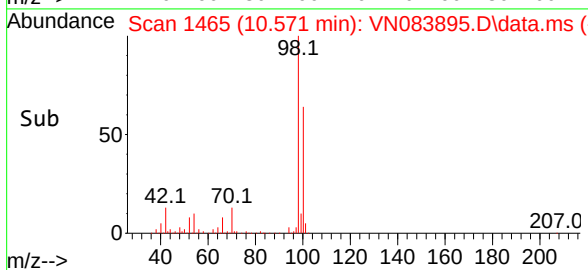
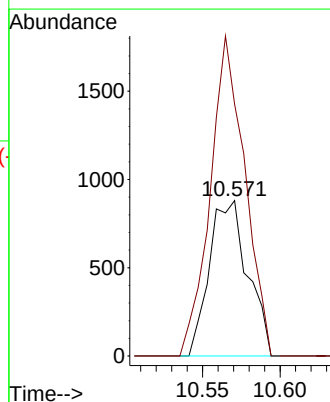
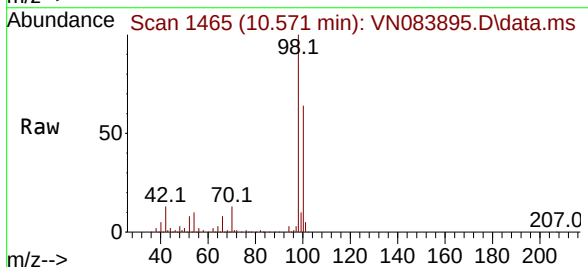
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-090624

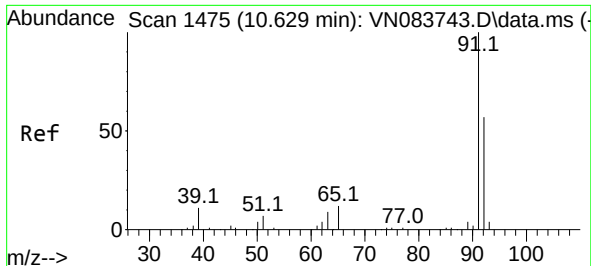
Tgt Ion: 98 Resp: 306617
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
58 185.6 31.6 47.4#

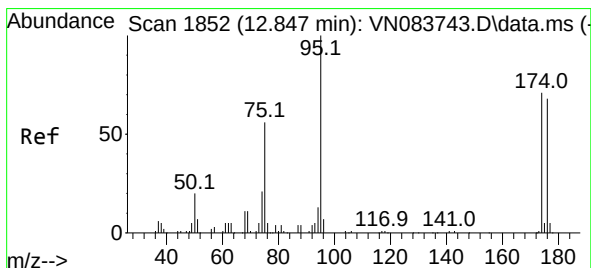
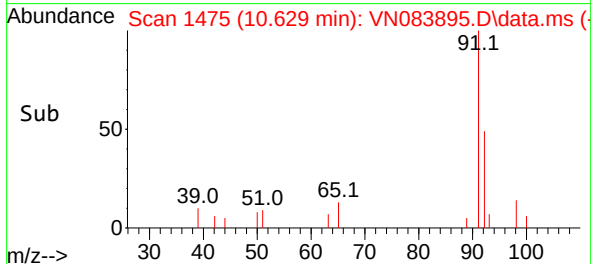
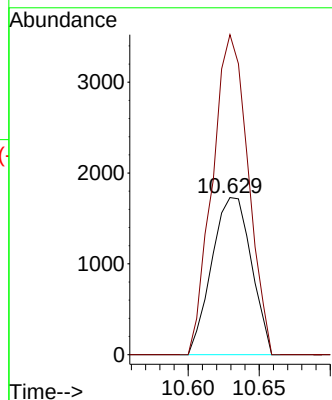
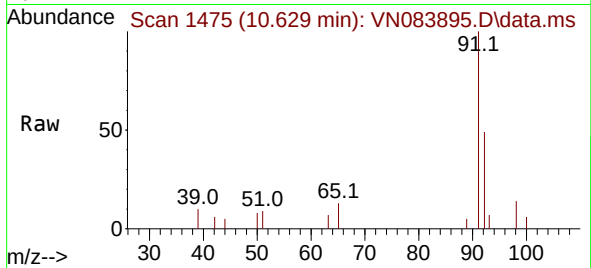




#52
Toluene
Concen: 0.679 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

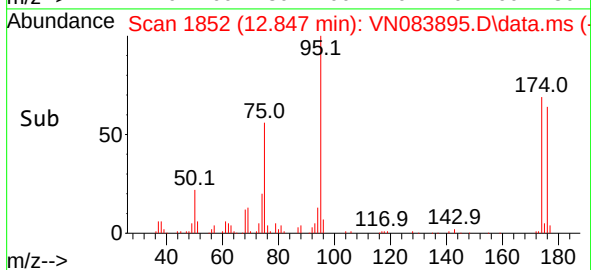
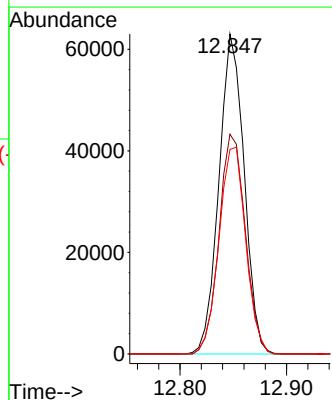
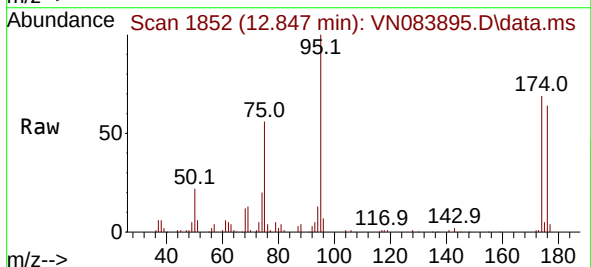
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-090624

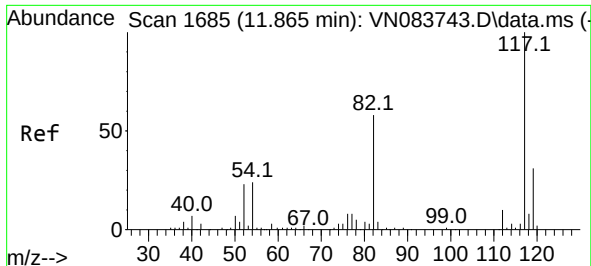
Tgt Ion: 92 Resp: 3351
Ion Ratio Lower Upper
92 100
91 184.2 134.7 202.1



#62
4-Bromofluorobenzene
Concen: 40.704 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Tgt Ion: 95 Resp: 103407
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 68.6 0.0 131.4

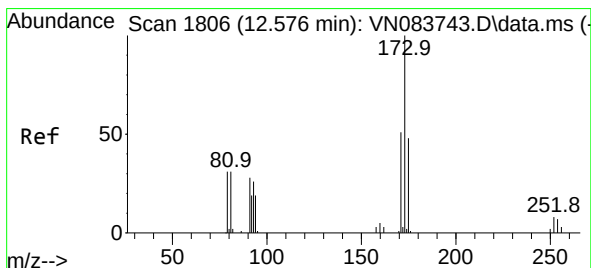
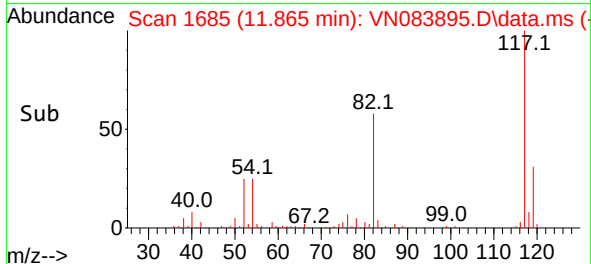
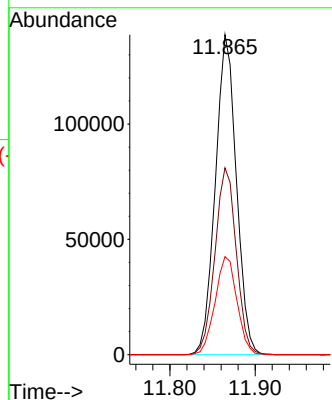
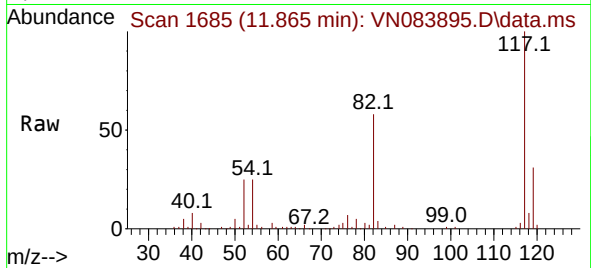




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

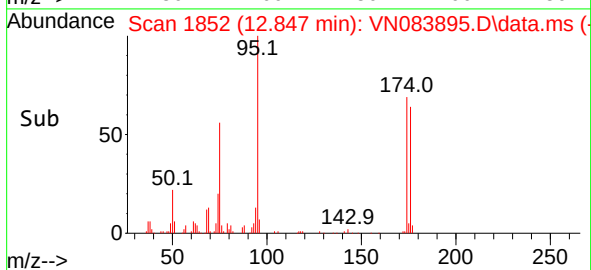
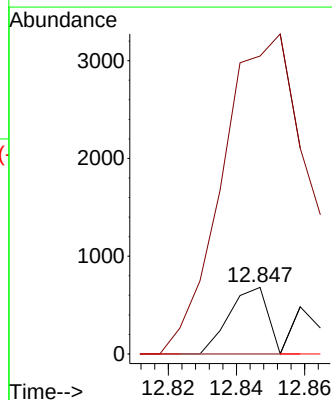
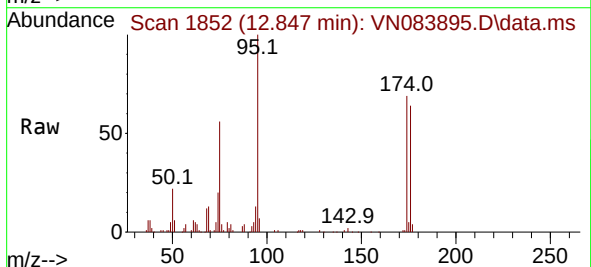
Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-090624

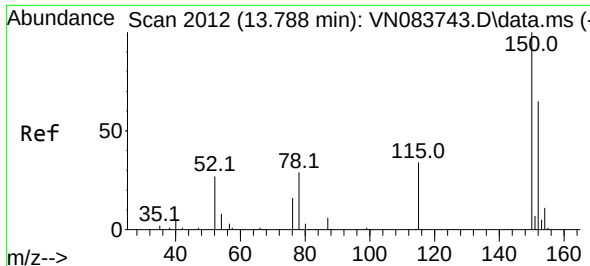
Tgt Ion:117 Resp: 237857
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.0
119 30.7 26.3 39.5



#71
Bromoform
Concen: 0.433 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Tgt Ion:173 Resp: 535
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0

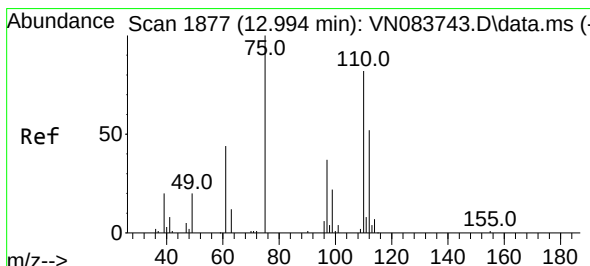
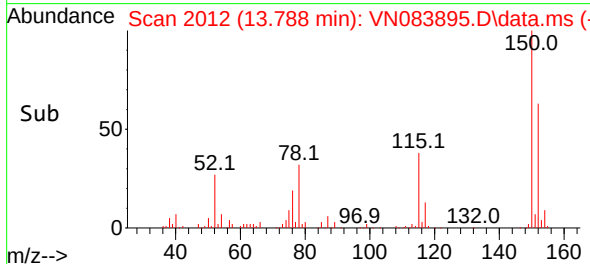
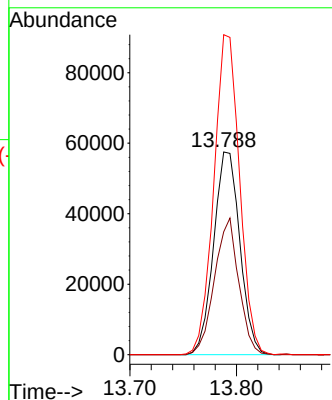
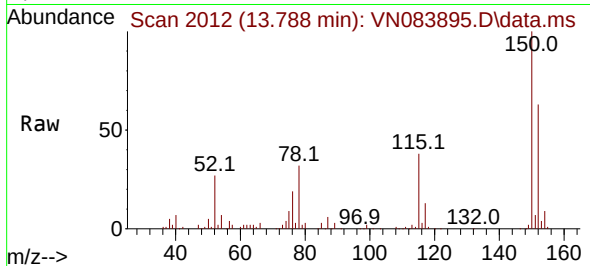




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083895.D
 Acq: 14 Sep 2024 17:08

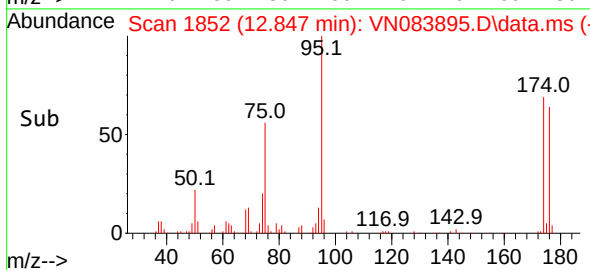
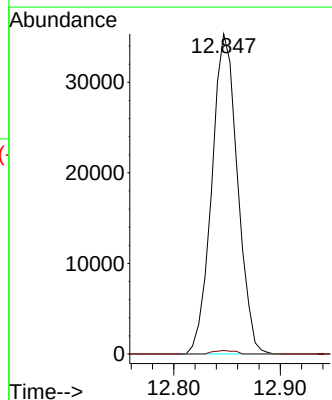
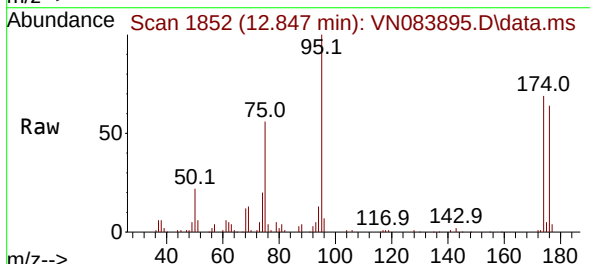
Instrument :
 MSVOA_N
 ClientSampleId :
 BR-01-190-090624

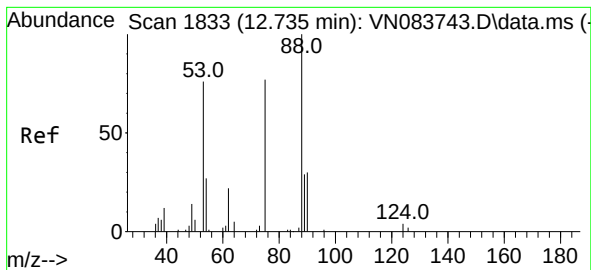
Tgt Ion:152 Resp: 98322
 Ion Ratio Lower Upper
 152 100
 115 62.4 32.2 96.6
 150 155.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 29.867 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083895.D
 Acq: 14 Sep 2024 17:08

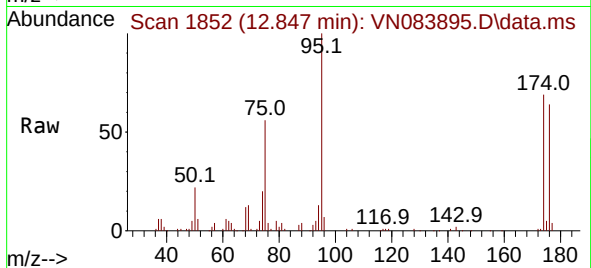
Tgt Ion: 75 Resp: 59255
 Ion Ratio Lower Upper
 75 100
 77 0.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.225 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083895.D
Acq: 14 Sep 2024 17:08

Instrument :
MSVOA_N
ClientSampleId :
BR-01-190-090624



Tgt Ion: 75 Resp: 59255
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

