

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
 Data File : VN073243.D
 Acq On : 29 Jun 2022 15:16
 Operator : JC\MD
 Sample : N3504-02DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1614DL

Quant Time: Jun 29 15:45:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	370453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	599056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	541722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	249285	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	214582	40.125	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	80.240%
35) Dibromofluoromethane	7.951	113	186458	46.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.560%
50) Toluene-d8	10.374	98	622207	43.955	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.920%
62) 4-Bromofluorobenzene	12.668	95	267241	49.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.260%

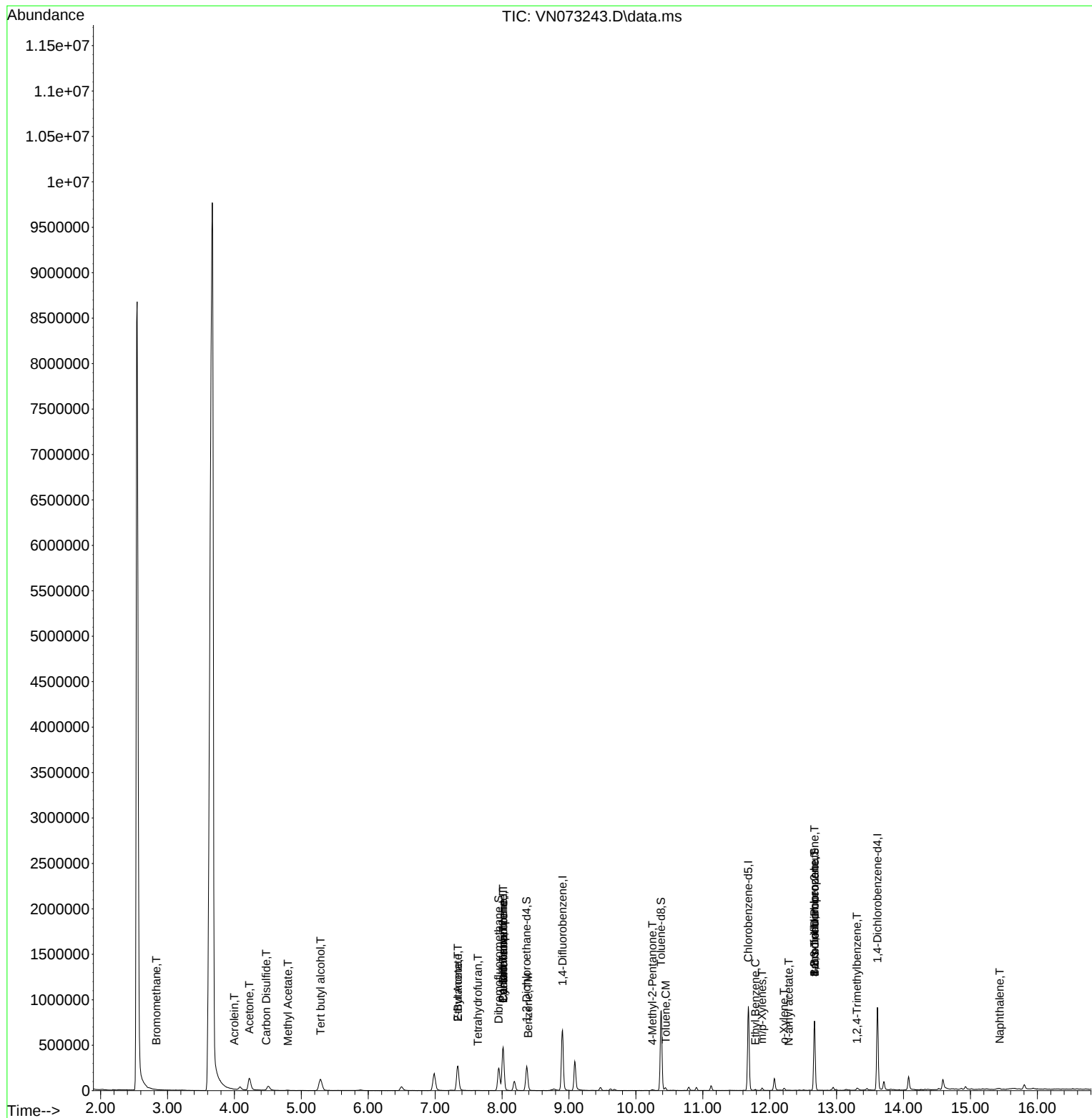
Target Compounds						Qvalue
5) Bromomethane	2.834	94	511	0.242	ug/l #	80
11) Tert butyl alcohol	5.286	59	244354	188.617	ug/l	99
13) Acrolein	3.998	56	1199	1.464	ug/l #	75
16) Acetone	4.222	43	242688	80.846	ug/l	94
17) Carbon Disulfide	4.475	76	3605	0.319	ug/l #	75
18) Methyl Acetate	4.798	43	7393	0.879	ug/l #	48
25) 2-Butanone	7.339	43	434117	90.833	ug/l #	45
29) Tetrahydrofuran	7.639	42	977	0.299	ug/l #	34
31) Cyclohexane	8.016	56	8104	0.925	ug/l #	9
36) 1,1-Dichloropropene	8.016	75	29577	4.823	ug/l #	48
37) Ethyl Acetate	7.339	43	434117	46.849	ug/l	97
38) Carbon Tetrachloride	8.016	117	37518	5.916	ug/l #	17
40) Benzene	8.392	78	9329	0.493	ug/l #	90
51) 4-Methyl-2-Pentanone	10.245	43	7956	0.942	ug/l #	42
52) Toluene	10.445	92	12098	1.034	ug/l	93
67) Ethyl Benzene	11.786	91	5988	0.269	ug/l	98
68) m/p-Xylenes	11.886	106	7027	0.837	ug/l	87
69) o-Xylene	12.215	106	4288	0.500	ug/l	84
71) Bromoform	12.668	173	2091	0.634	ug/l #	1
74) N-amyl acetate	12.286	43	2255	0.209	ug/l #	39
76) 1,2,3-Trichloropropane	12.668	75	134574	20.646	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	134574	56.620	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	13271	0.758	ug/l	80
95) Naphthalene	15.439	128	6632	0.345	ug/l #	94

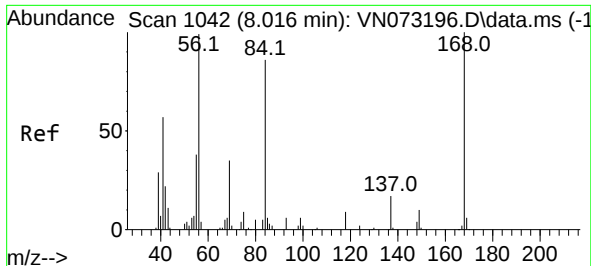
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 29 01:54:03 2022
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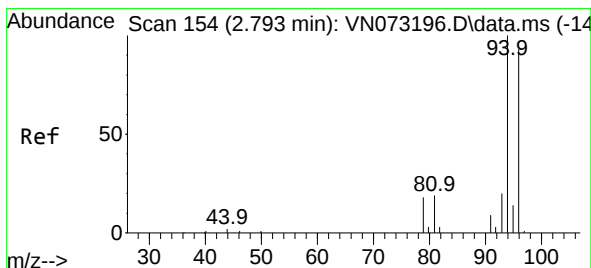
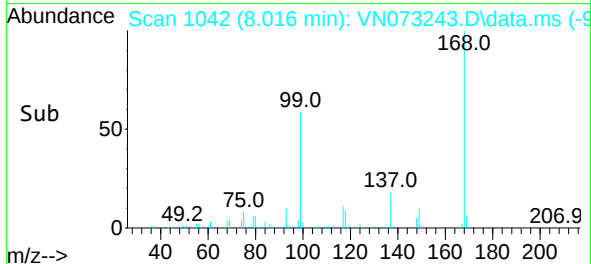
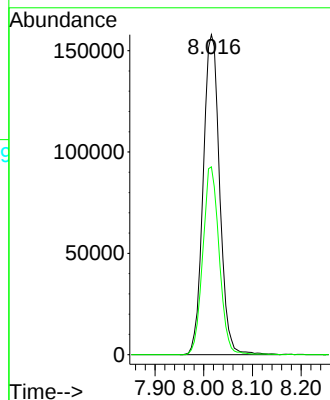
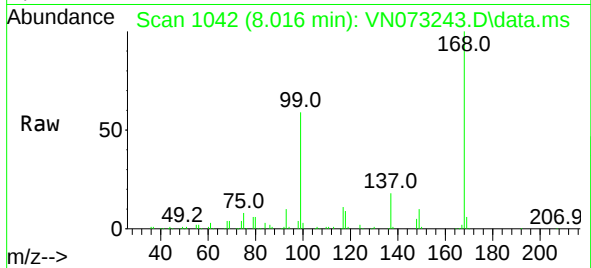




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

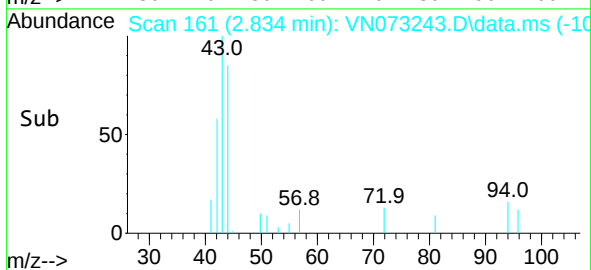
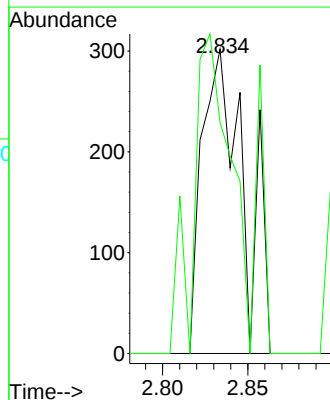
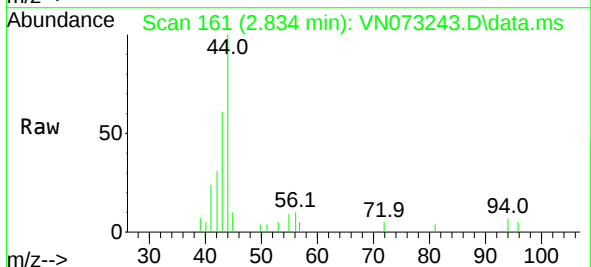
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

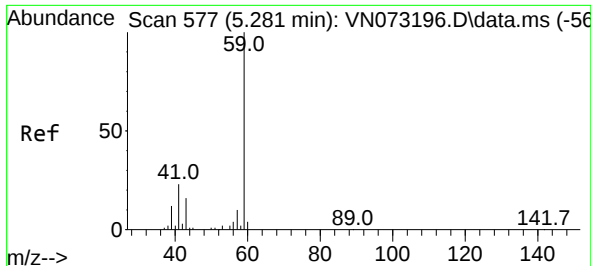
Tgt Ion:168 Resp: 370453
Ion Ratio Lower Upper
168 100
99 58.7 42.3 63.5



#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 75.8 76.0 114.0#

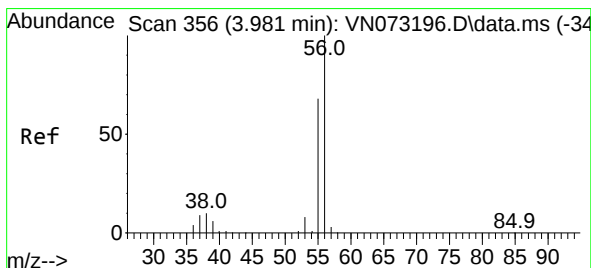
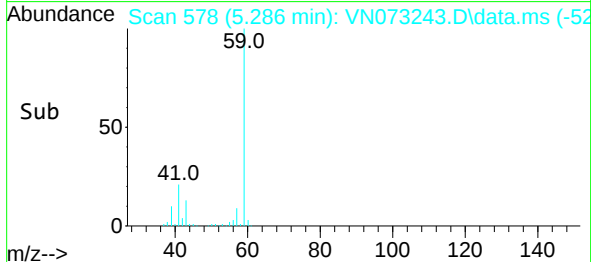
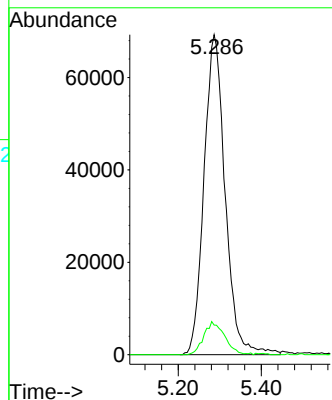
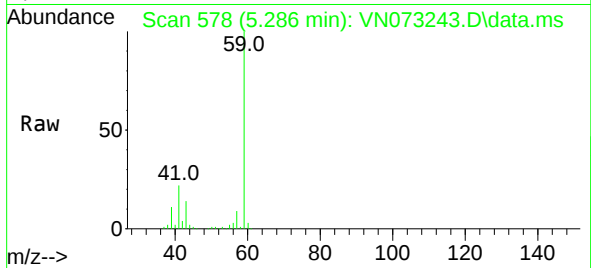




#11
Tert butyl alcohol
Concen: 188.617 ug/l
RT: 5.286 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

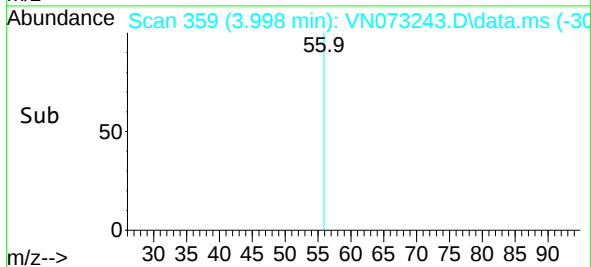
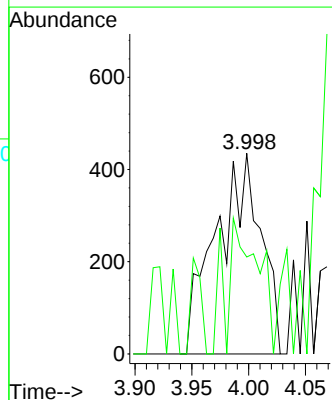
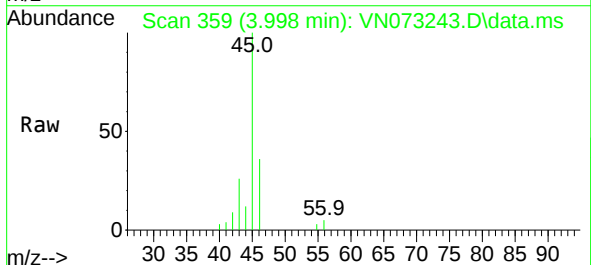
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

Tgt Ion: 59 Resp: 244354
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#13
Acrolein
Concen: 1.464 ug/l
RT: 3.998 min Scan# 359
Delta R.T. 0.017 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 56 Resp: 1199
Ion Ratio Lower Upper
56 100
55 47.9 54.8 82.2#

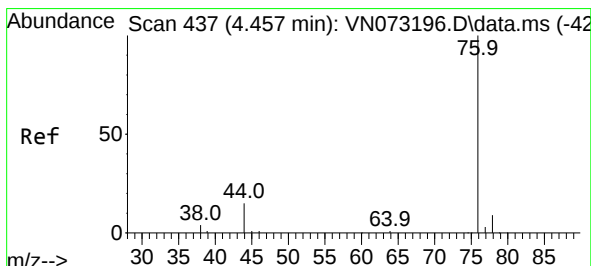
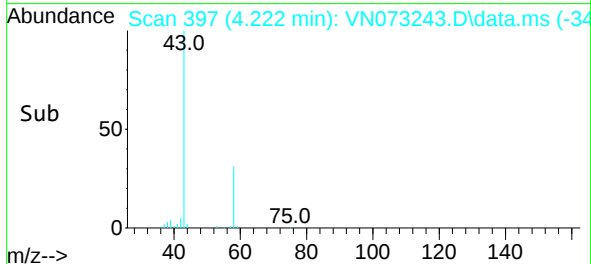
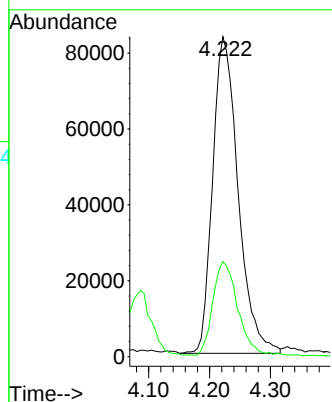
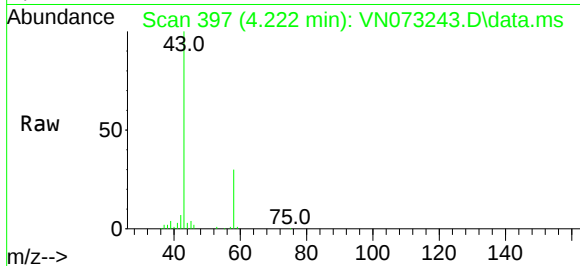




#16
Acetone
Concen: 80.846 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

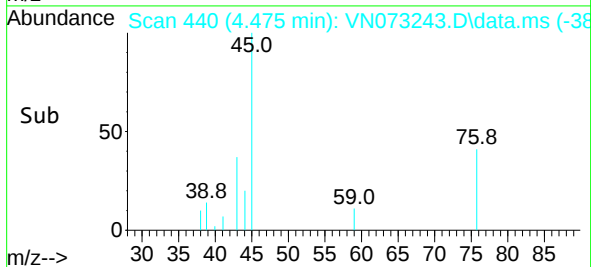
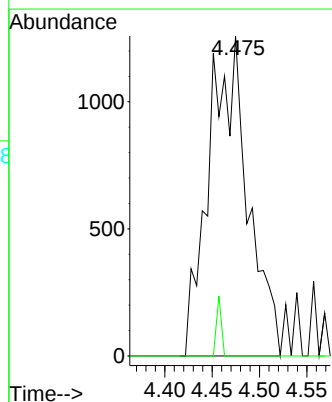
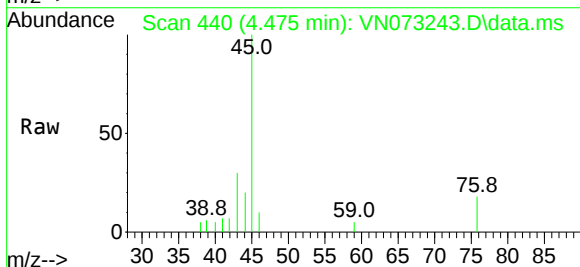
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

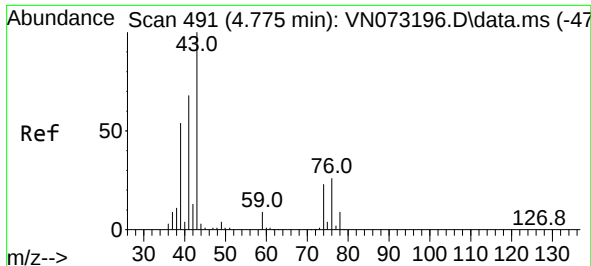
Tgt Ion: 43 Resp: 242688
Ion Ratio Lower Upper
43 100
58 29.3 26.0 39.0



#17
Carbon Disulfide
Concen: 0.319 ug/l
RT: 4.475 min Scan# 440
Delta R.T. 0.018 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 76 Resp: 3605
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

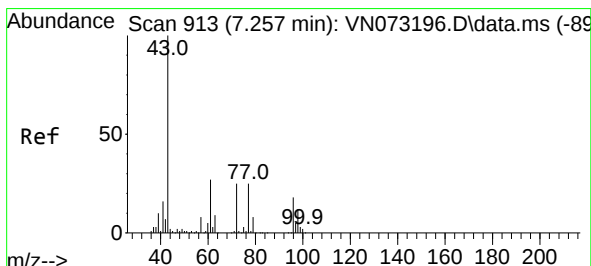
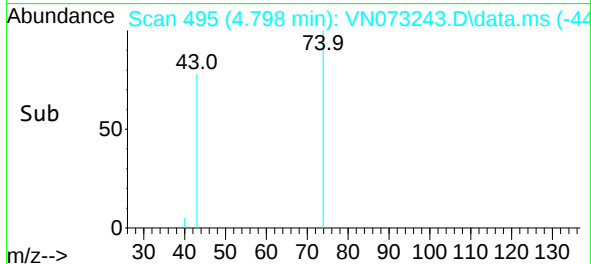
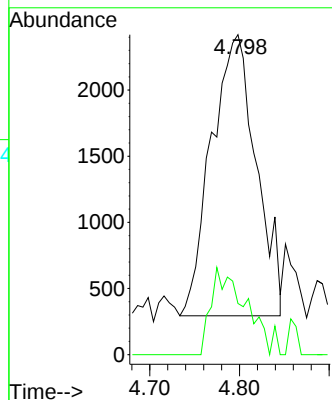
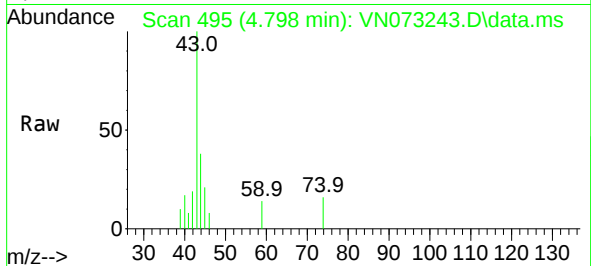




#18
Methyl Acetate
Concen: 0.879 ug/l
RT: 4.798 min Scan# 491
Delta R.T. 0.023 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

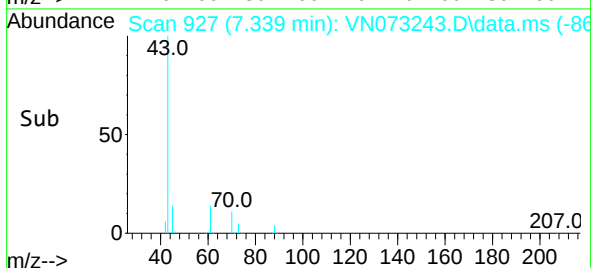
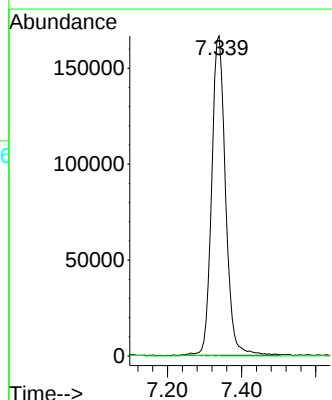
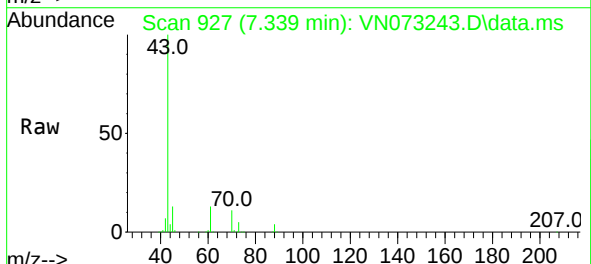
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

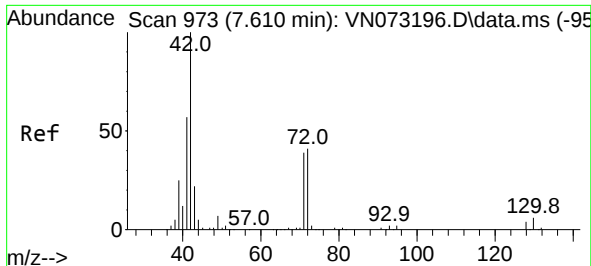
Tgt Ion: 43 Resp: 7393
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 90.833 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.082 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 43 Resp: 434117
Ion Ratio Lower Upper
43 100
72 0.1 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.299 ug/l

RT: 7.639 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :

TRE-1614DL

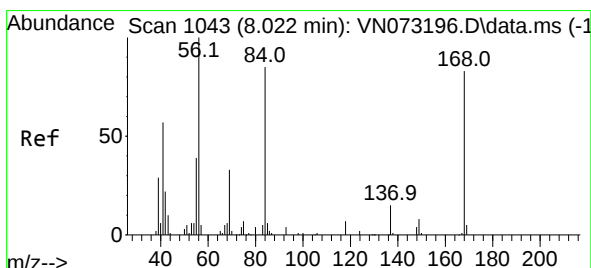
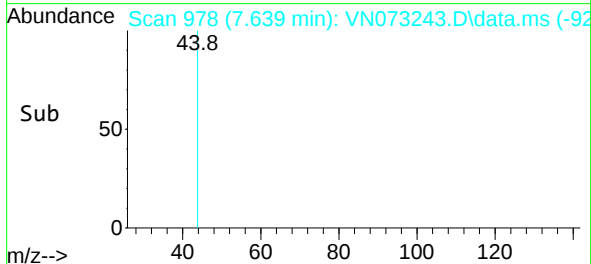
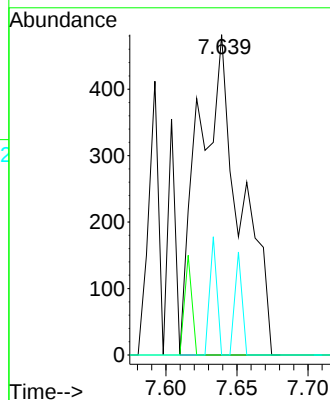
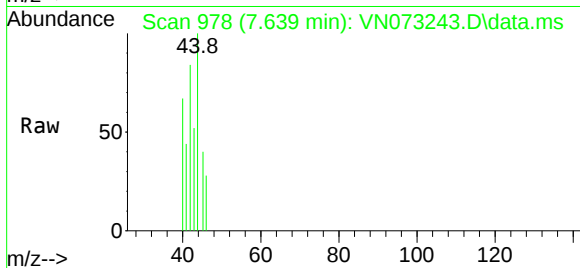
Tgt Ion: 42 Resp: 977

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 6.4 36.6 55.0#



#31

Cyclohexane

Concen: 0.925 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

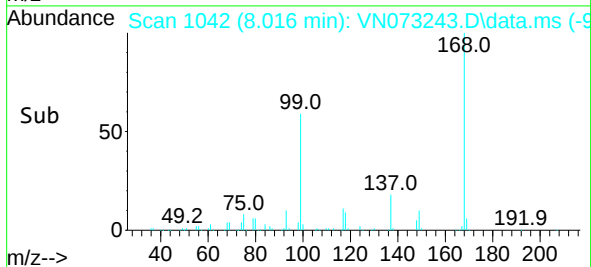
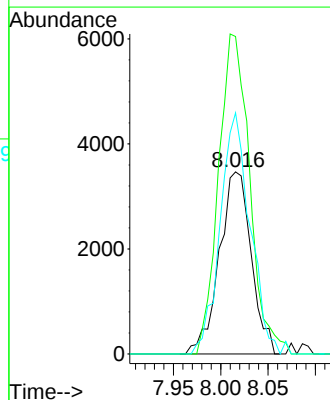
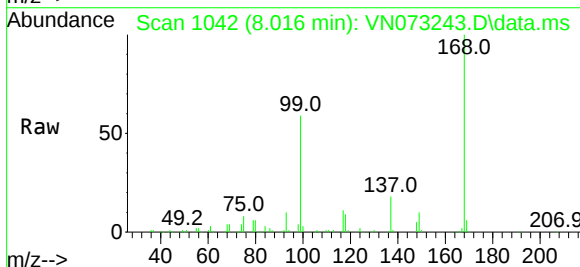
Tgt Ion: 56 Resp: 8104

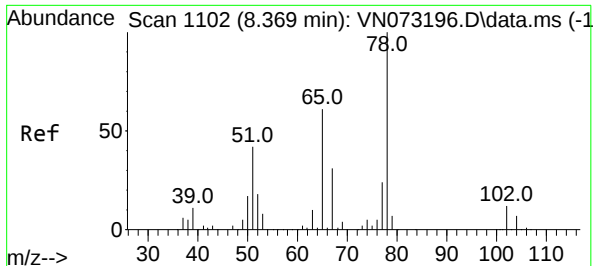
Ion Ratio Lower Upper

56 100

69 174.2 27.8 41.8#

84 132.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 40.125 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :

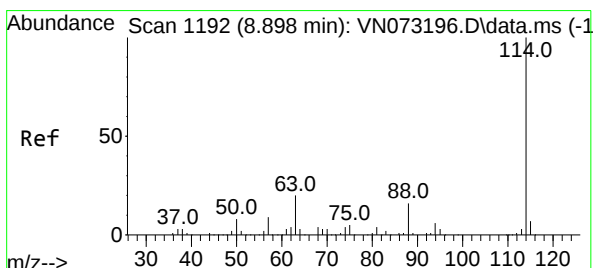
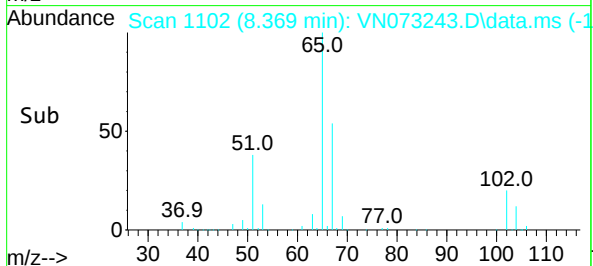
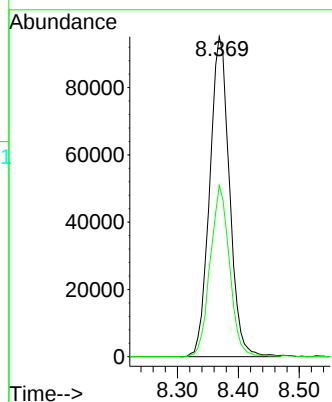
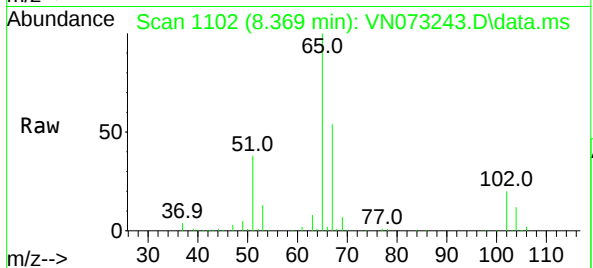
TRE-1614DL

Tgt Ion: 65 Resp: 214582

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

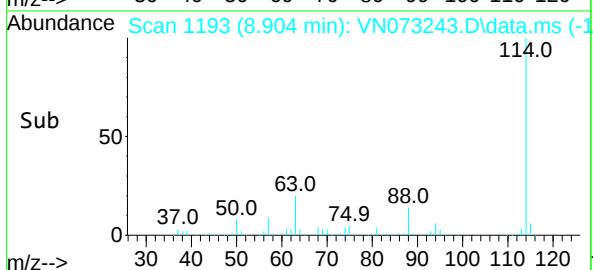
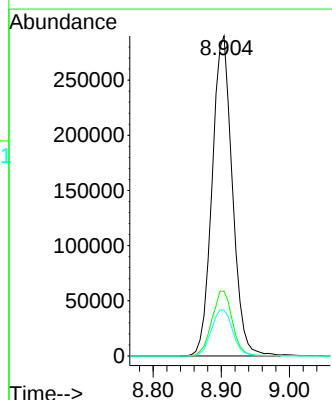
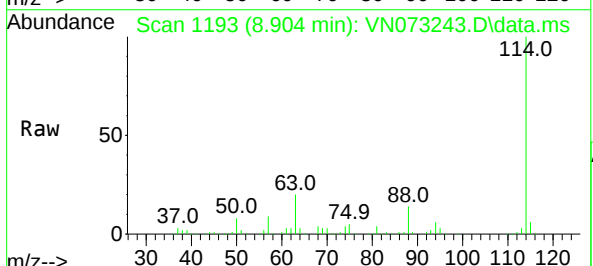
Tgt Ion: 114 Resp: 599056

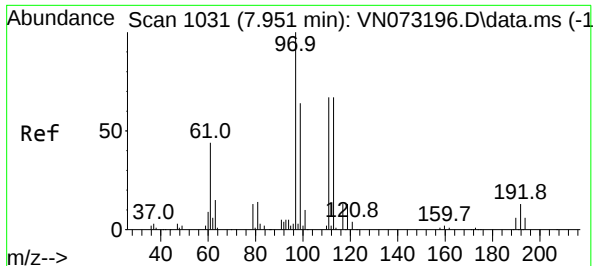
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 14.4 0.0 32.6

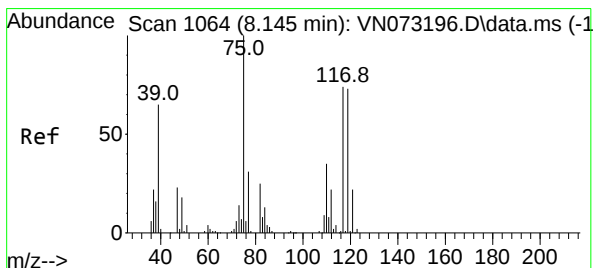
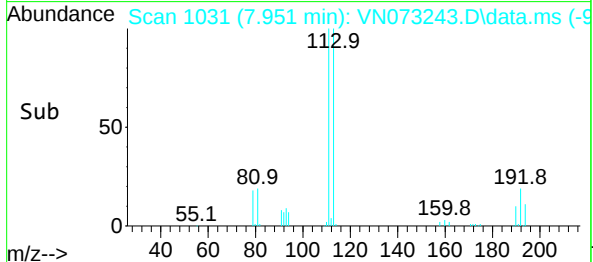
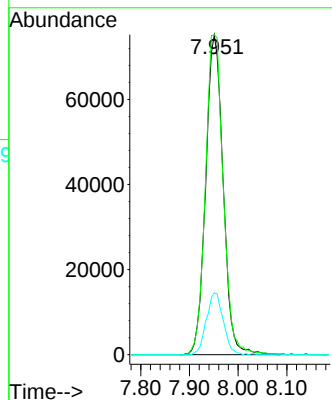
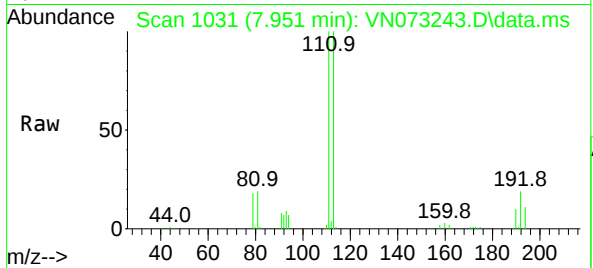




#35
Dibromofluoromethane
Concen: 46.783 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

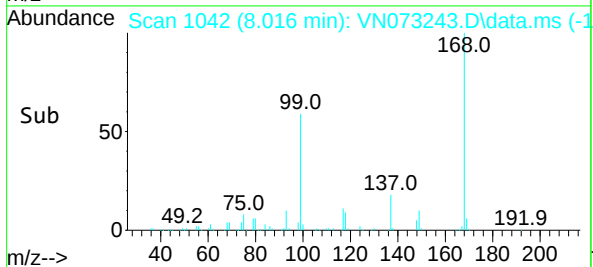
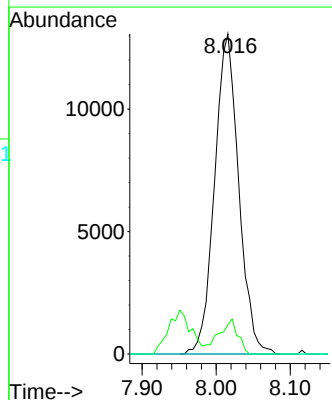
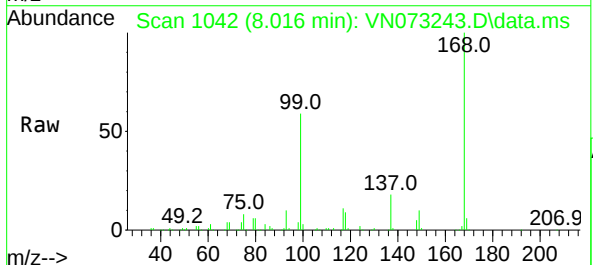
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

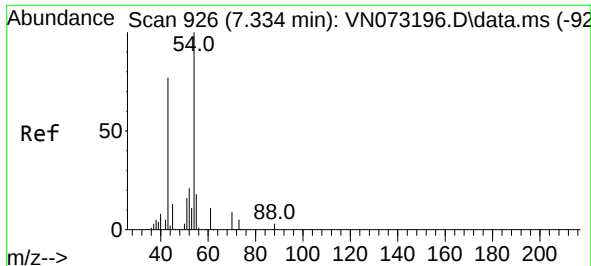
Tgt Ion:113 Resp: 186458
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 18.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 75 Resp: 29577
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 46.849 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :

TRE-1614DL

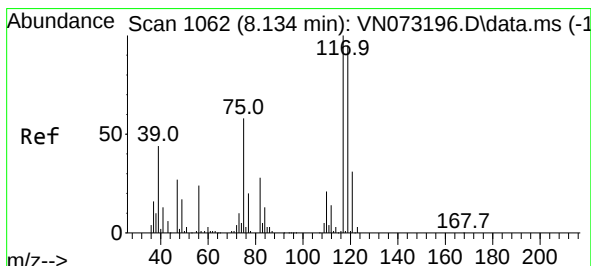
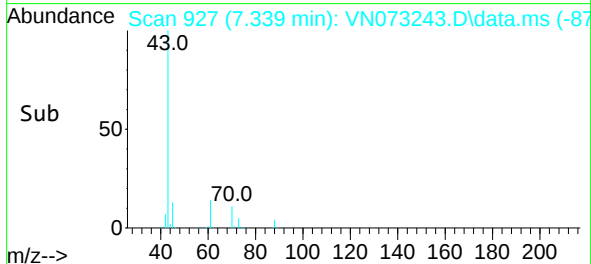
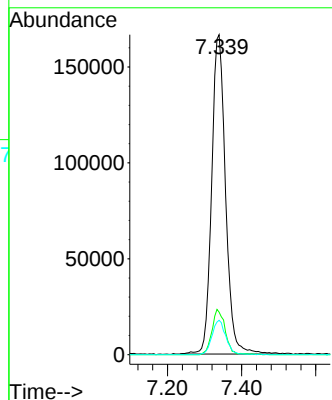
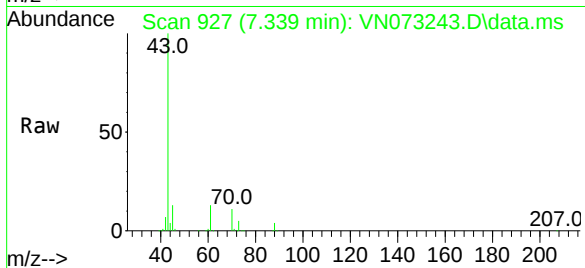
Tgt Ion: 43 Resp: 434117

Ion Ratio Lower Upper

43 100

61 13.5 11.8 17.6

70 10.7 9.3 13.9



#38

Carbon Tetrachloride

Concen: 5.916 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

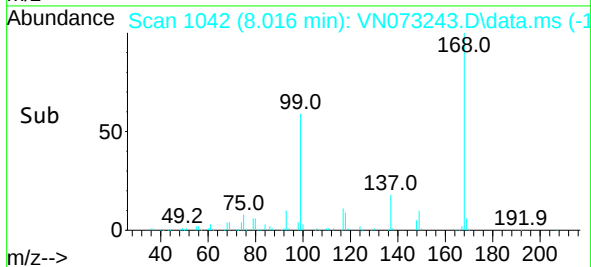
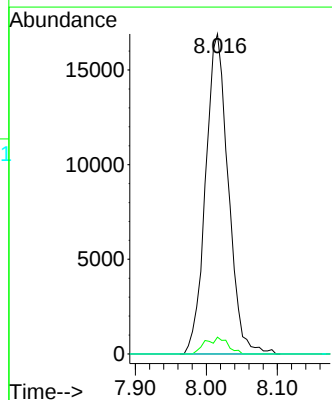
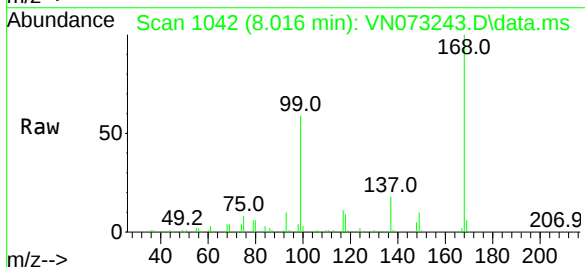
Tgt Ion: 117 Resp: 37518

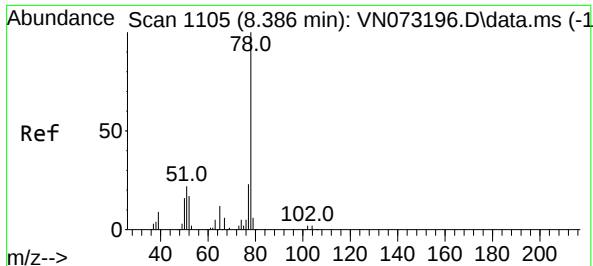
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

121 0.0 24.6 37.0#

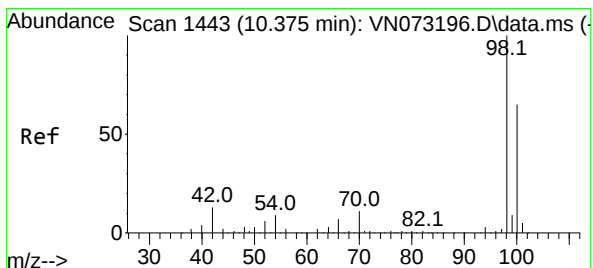
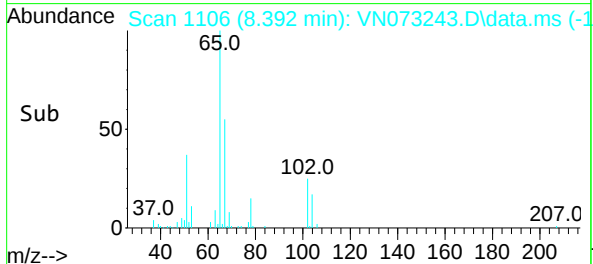
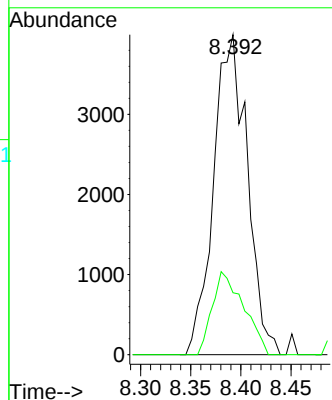
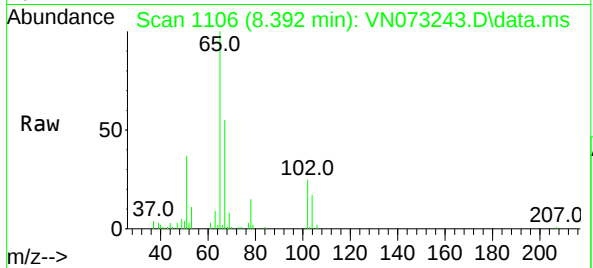




#40
Benzene
Concen: 0.493 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

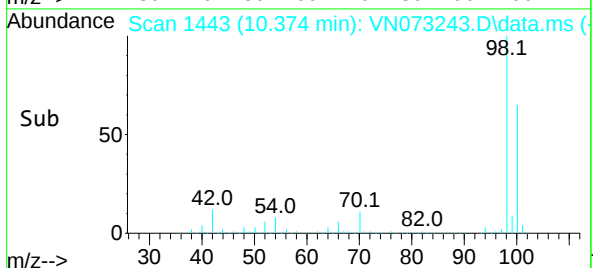
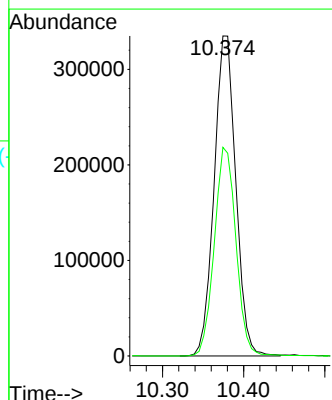
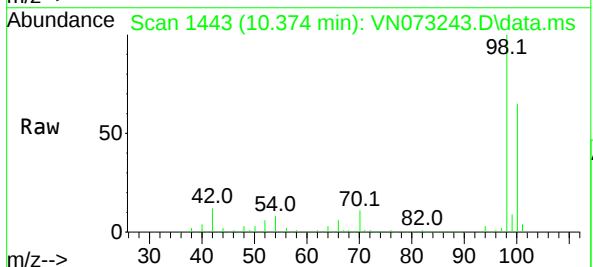
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

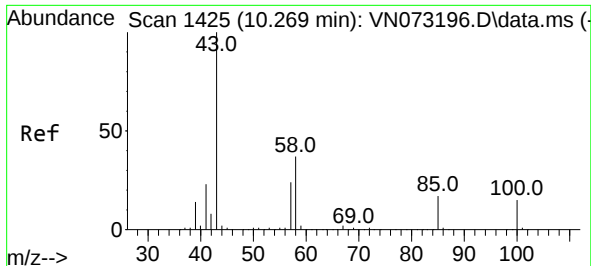
Tgt Ion: 78 Resp: 9329
Ion Ratio Lower Upper
78 100
77 19.3 19.4 29.0#



#50
Toluene-d8
Concen: 43.955 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 98 Resp: 622207
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

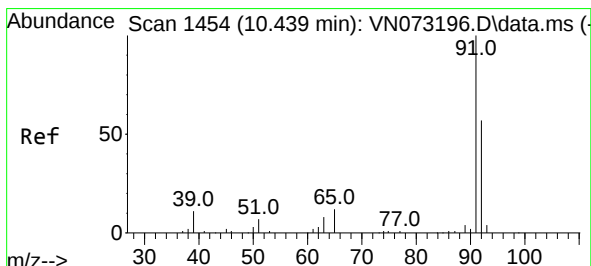
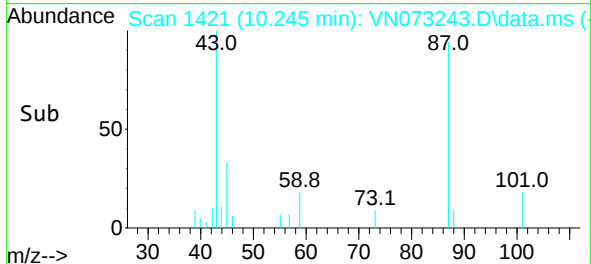
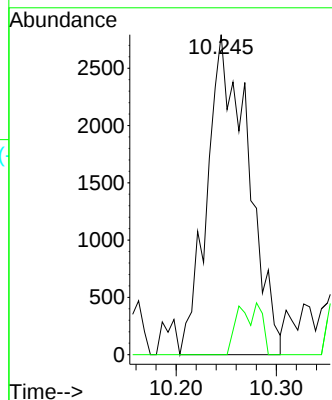
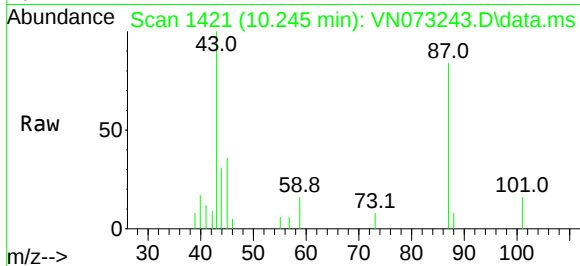




#51
4-Methyl-2-Pentanone
Concen: 0.942 ug/l
RT: 10.245 min Scan# 1421
Delta R.T. -0.024 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

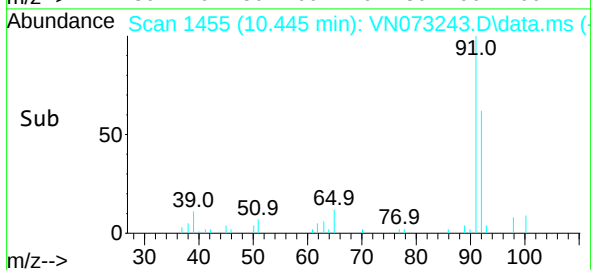
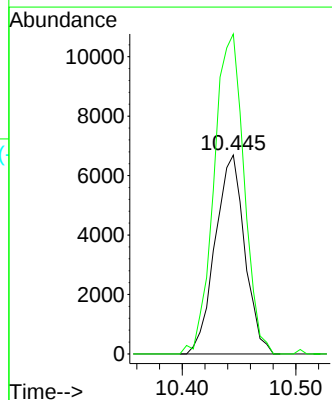
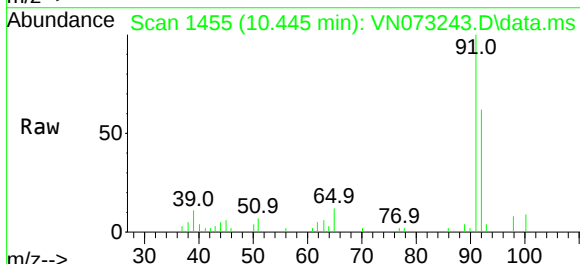
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

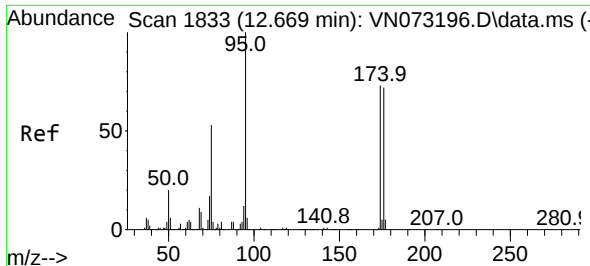
Tgt Ion: 43 Resp: 7956
Ion Ratio Lower Upper
43 100
58 5.6 34.1 51.1#



#52
Toluene
Concen: 1.034 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 92 Resp: 12098
Ion Ratio Lower Upper
92 100
91 163.4 138.6 207.8

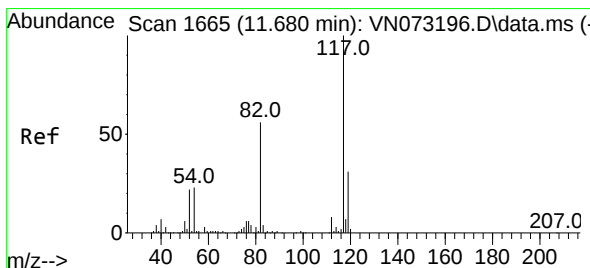
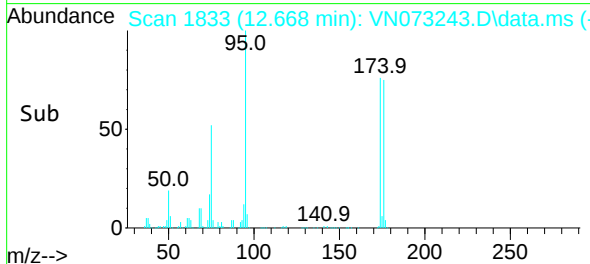
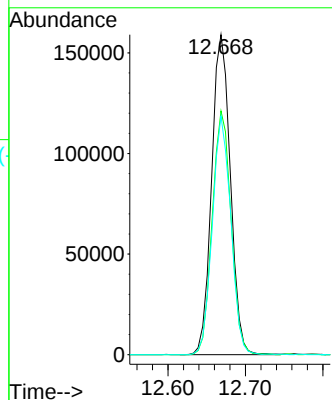
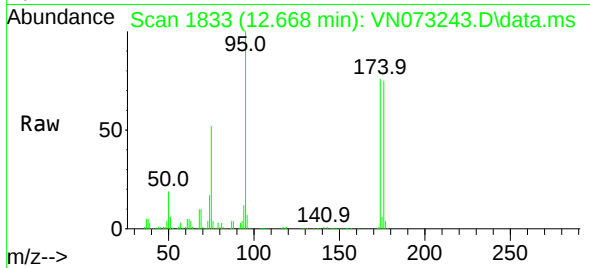




#62
4-Bromofluorobenzene
Concen: 49.126 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

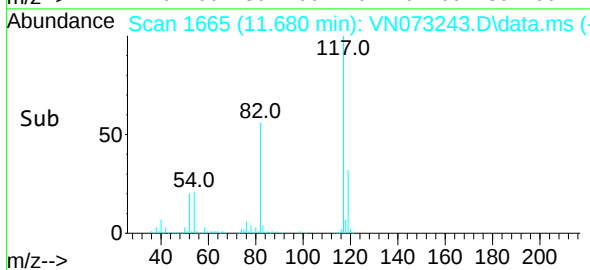
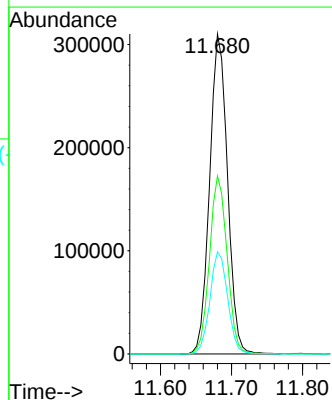
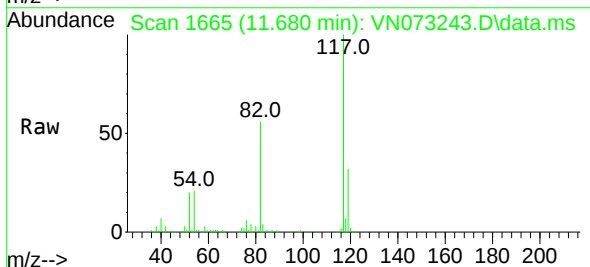
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

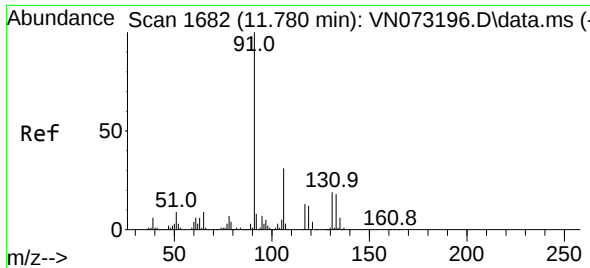
Tgt Ion: 95 Resp: 267241
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 73.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 117 Resp: 541722
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 31.9 25.4 38.0

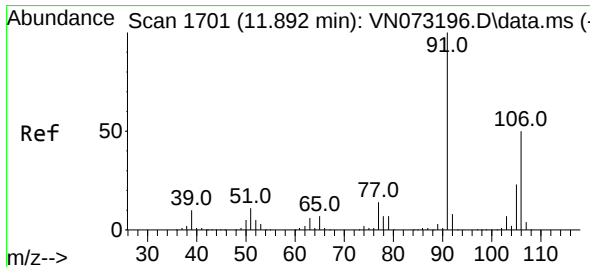
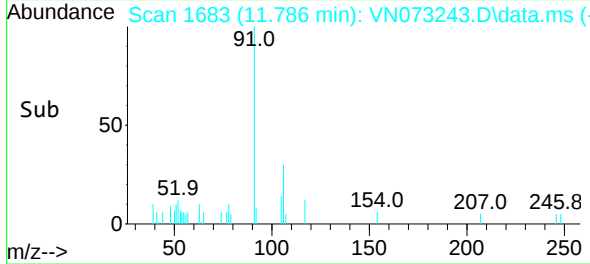
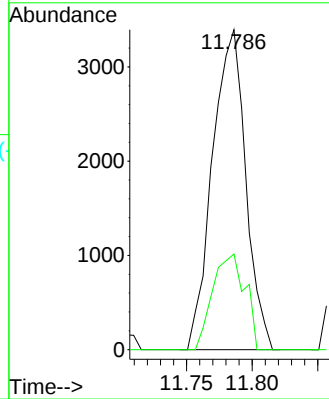
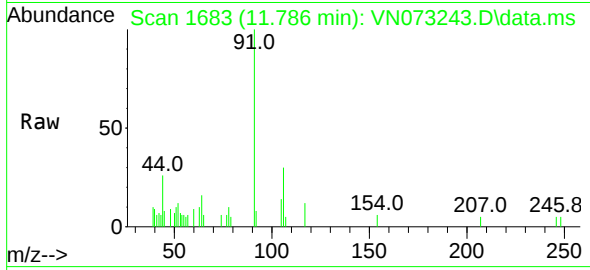




#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 11.786 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

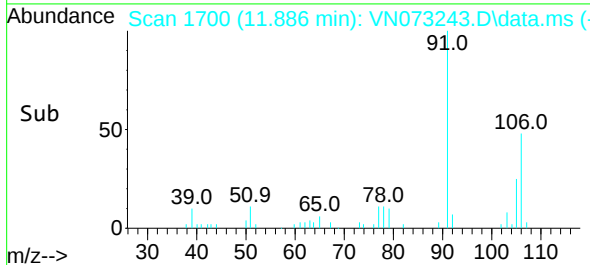
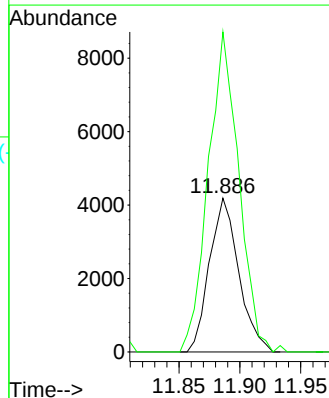
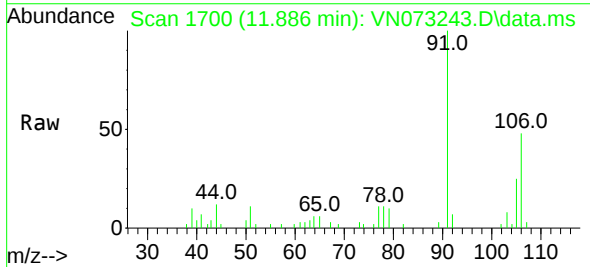
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

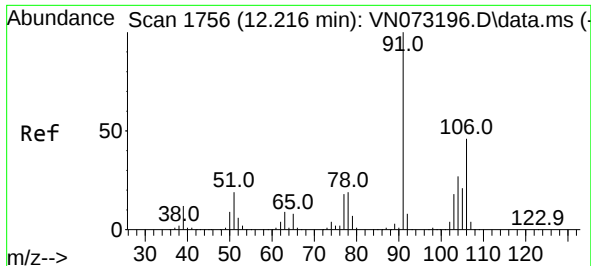
Tgt Ion: 91 Resp: 5988
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3



#68
m/p-Xylenes
Concen: 0.837 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 106 Resp: 7027
Ion Ratio Lower Upper
106 100
91 217.5 158.9 238.3

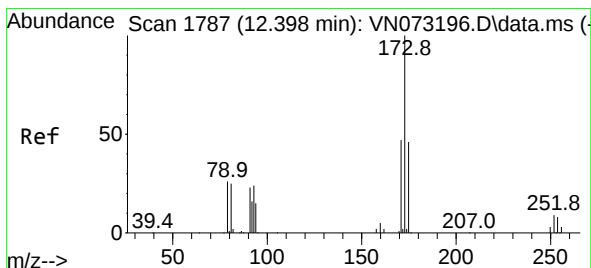
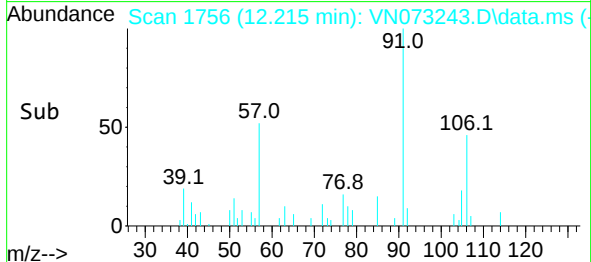
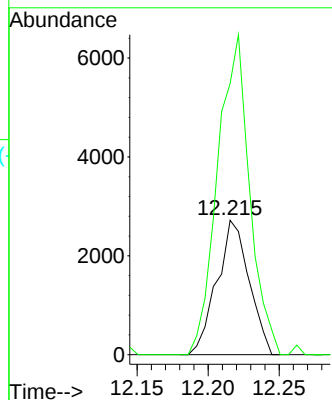
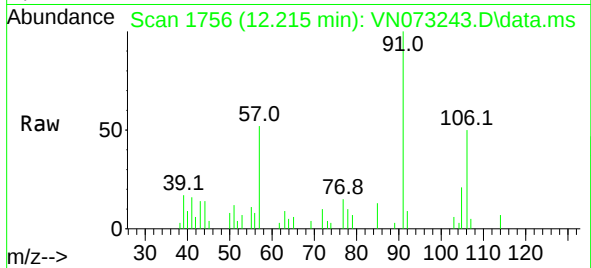




#69
o-Xylene
Concen: 0.500 ug/l
RT: 12.215 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

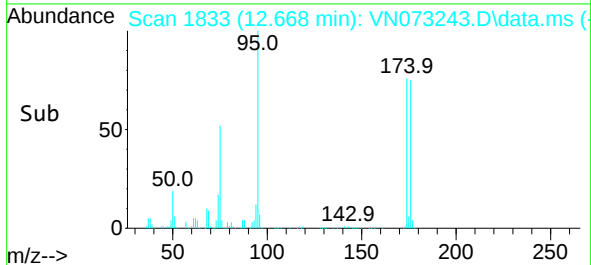
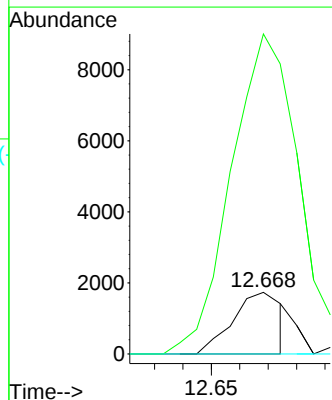
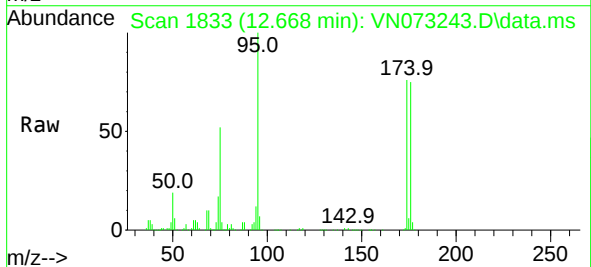
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

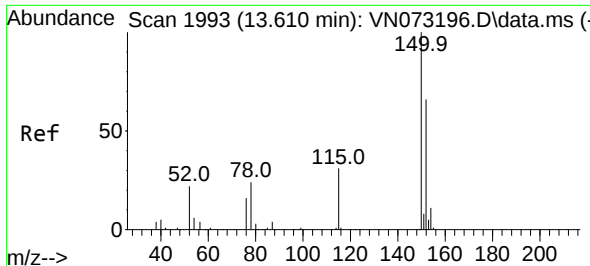
Tgt Ion:106 Resp: 4288
Ion Ratio Lower Upper
106 100
91 236.5 106.0 318.0



#71
Bromoform
Concen: 0.634 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion:173 Resp: 2091
Ion Ratio Lower Upper
173 100
175 552.1 24.6 73.6#
254 0.0 0.1 0.1#

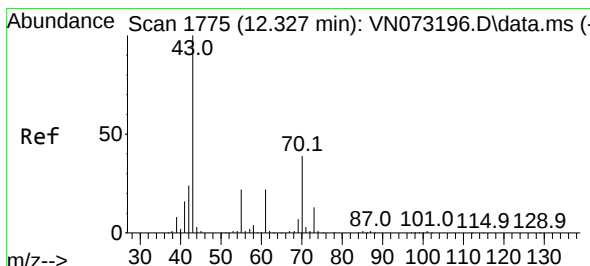
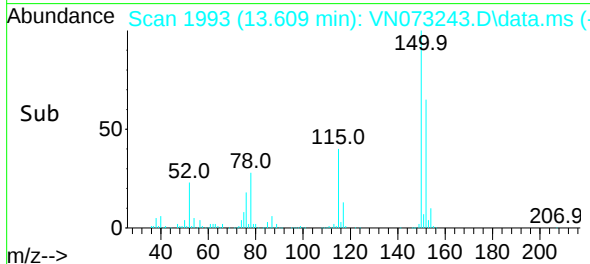
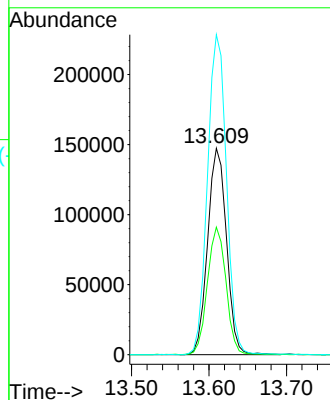
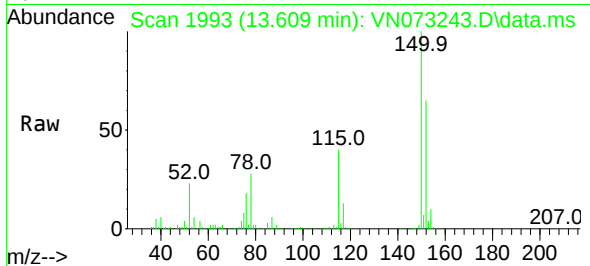




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.001 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

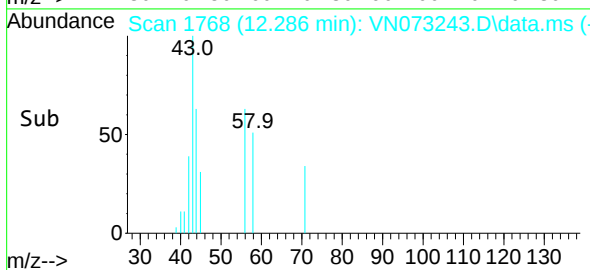
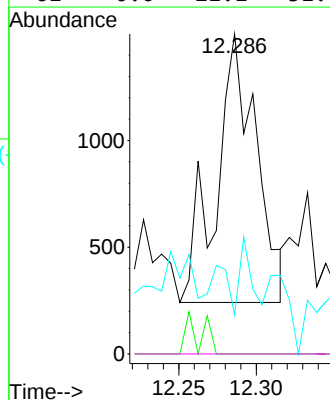
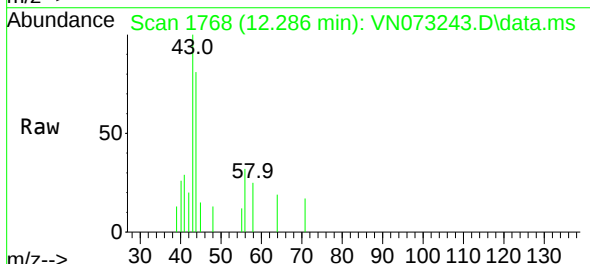
Instrument :
MSVOA_N
ClientSampleId :
TRE-1614DL

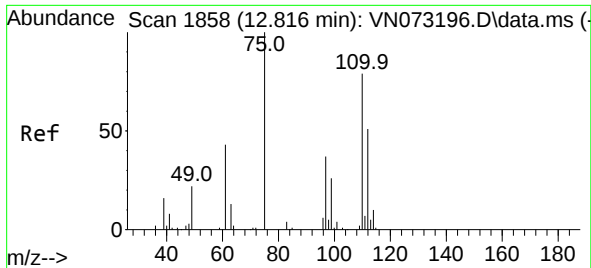
Tgt Ion:152 Resp: 249285
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 156.0 0.0 356.2



#74
N-ethyl acetate
Concen: 0.209 ug/l
RT: 12.286 min Scan# 1768
Delta R.T. -0.041 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

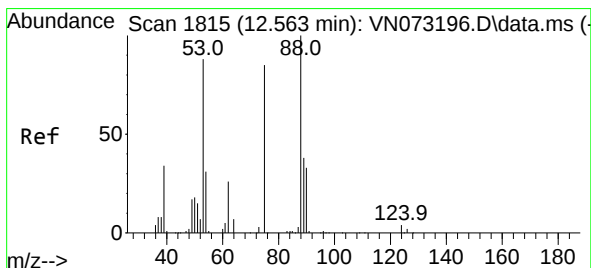
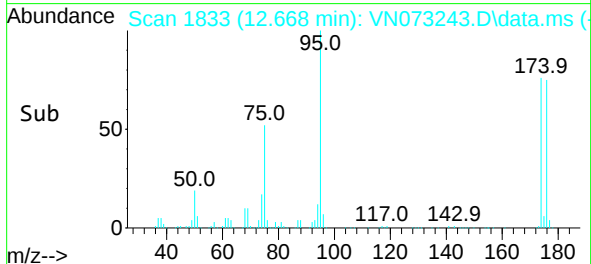
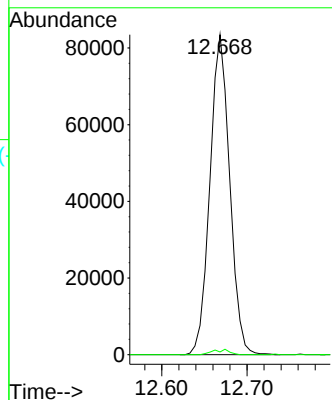
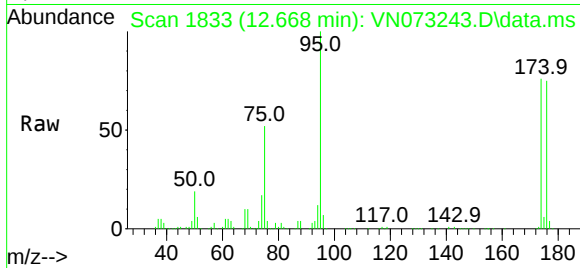




#76
1,2,3-Trichloropropane
Concen: 20.646 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

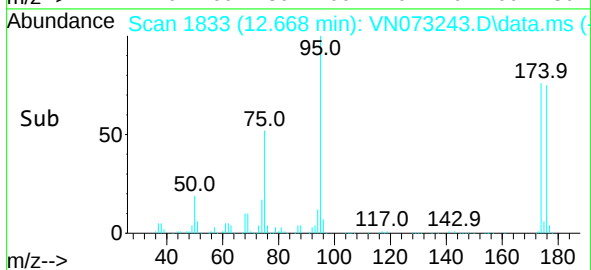
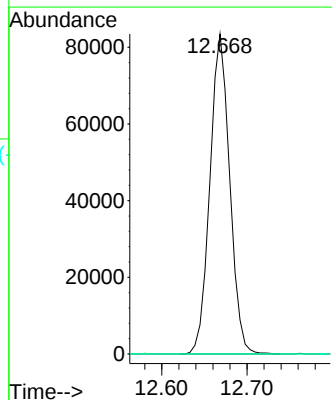
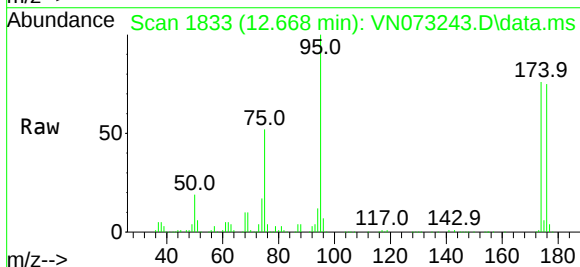
Instrument :
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ClientSampleId :
TRE-1614DL

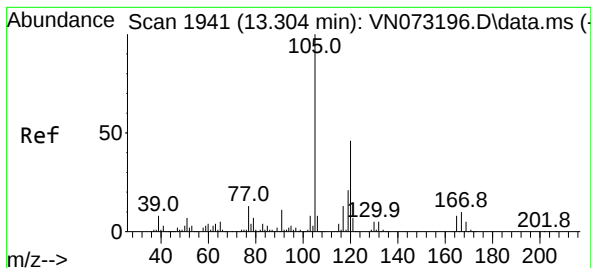
Tgt Ion: 75 Resp: 134574
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.620 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073243.D
Acq: 29 Jun 2022 15:16

Tgt Ion: 75 Resp: 134574
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.758 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :

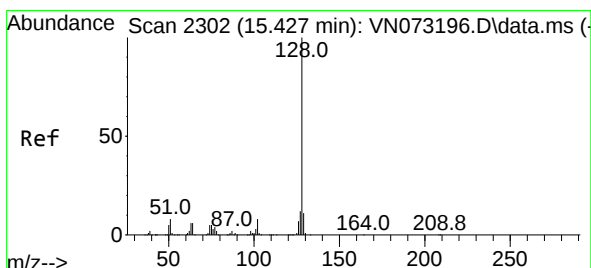
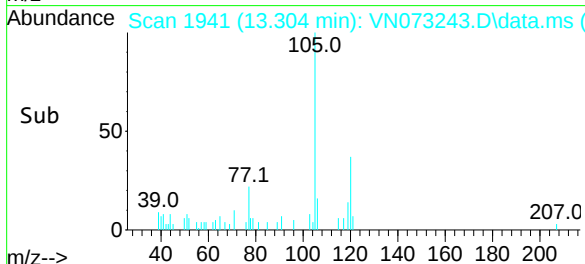
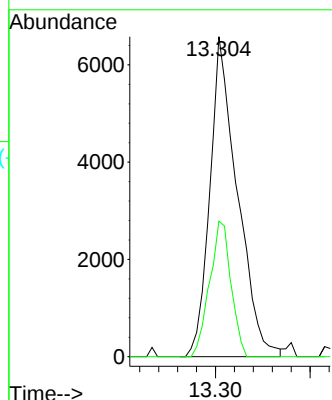
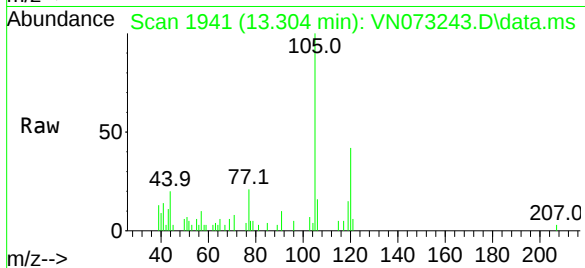
TRE-1614DL

Tgt Ion:105 Resp: 13271

Ion Ratio Lower Upper

105 100

120 33.0 23.3 69.8



#95

Naphthalene

Concen: 0.345 ug/l

RT: 15.439 min Scan# 2304

Delta R.T. 0.012 min

Lab File: VN073243.D

Acq: 29 Jun 2022 15:16

Tgt Ion:128 Resp: 6632

Ion Ratio Lower Upper

128 100

127 14.7 10.3 15.5

129 13.6 8.6 13.0#

