

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055526.D
 Acq On : 10 May 2019 4:09
 Operator : JC/SP
 Sample : K2758-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-22

Quant Time: May 10 06:01:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

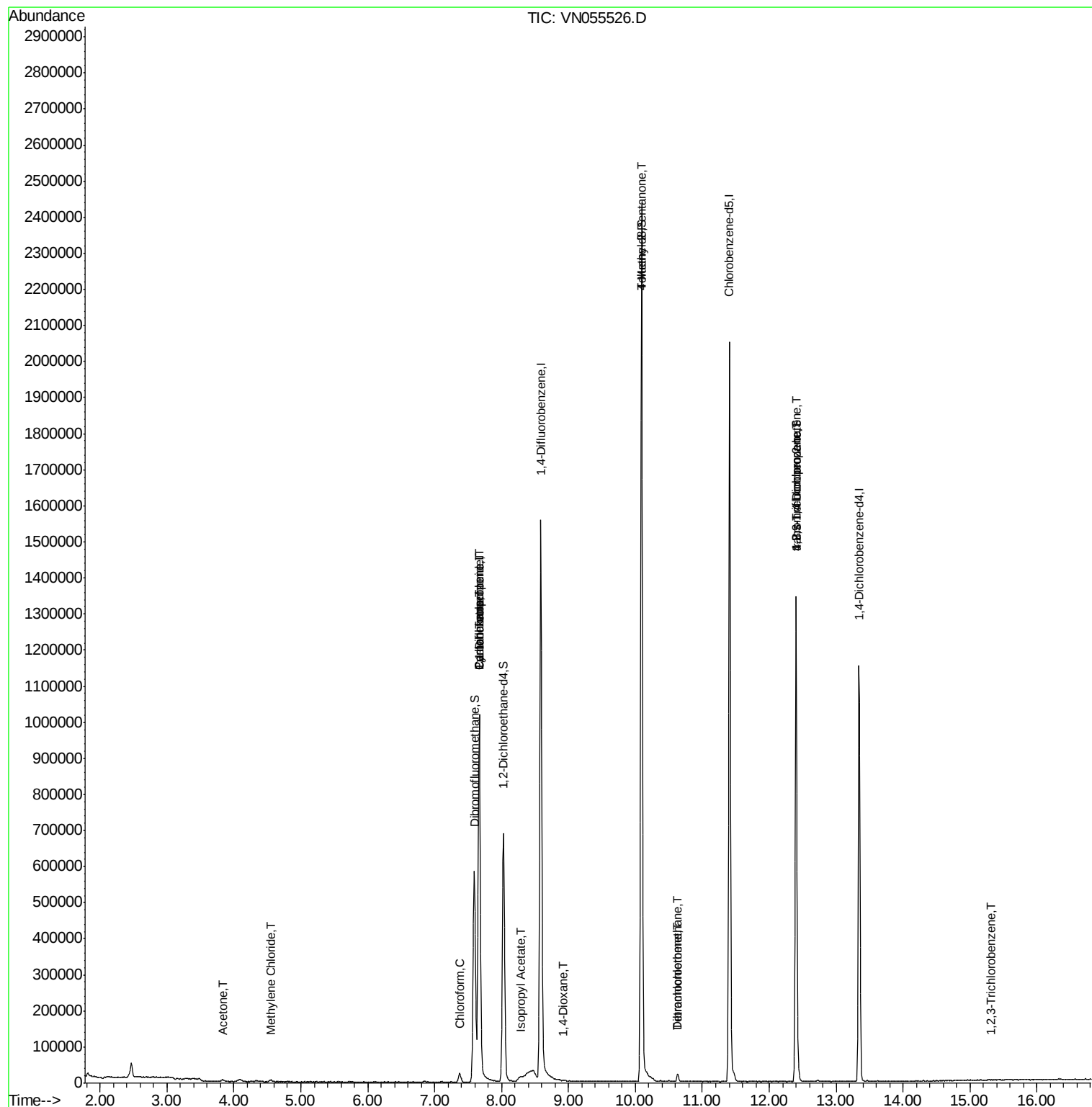
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	851030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1429724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1196392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	326589	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	591089	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	7.59	113	452199	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	1757787	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	498142	41.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.22%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	9770	1.647	ug/l	98
18) Methyl Acetate	4.34	43	5976	Below Cal	#	91
20) Methylene Chloride	4.54	84	3629	0.299	ug/l #	72
30) Chloroform	7.37	83	24301	1.258	ug/l	97
31) Cyclohexane	7.66	56	17847	0.863	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	67720	4.808	ug/l #	46
38) Carbon Tetrachloride	7.66	117	82512	6.957	ug/l #	15
43) Isopropyl Acetate	8.27	43	12452	0.533	ug/l #	63
49) 1,4-Dioxane	8.92	88	234	1.068	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	7717	0.503	ug/l #	1
60) Dibromochloromethane	10.63	129	4002	0.435	ug/l #	11
64) Tetrachloroethene	10.63	164	5051	0.515	ug/l #	88
73) Isopropylbenzene	12.25	105	71	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	167	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	246425	27.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	246425	102.271	ug/l #	7
96) 1,2,3-Trichlorobenzene	15.31	180	37	2.430	ug/l #	13

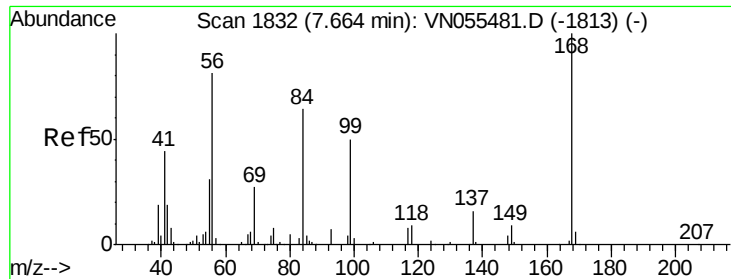
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

Instrument :

MSVOA_N

ClientSampleId :

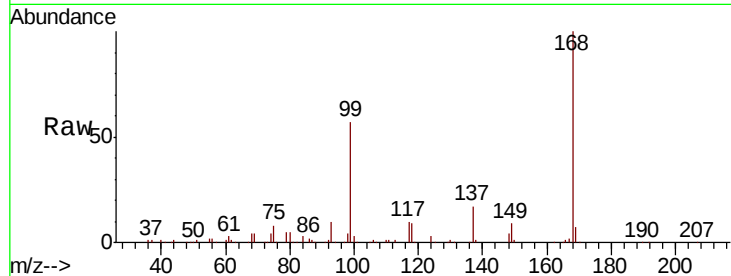
CKMW-22

Tot Ion:168 Resp: 851030

Ion Ratio Lower Upper

168 100

99 56.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055526.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055526.D (-1739) (-)

7.67

400000

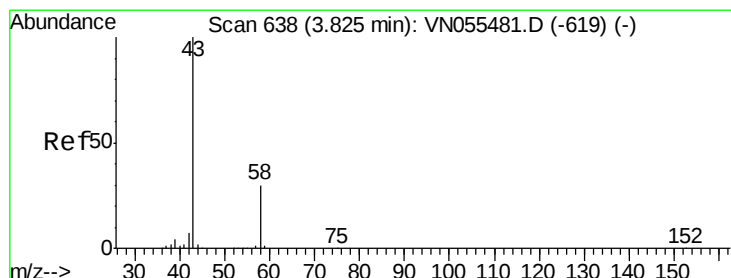
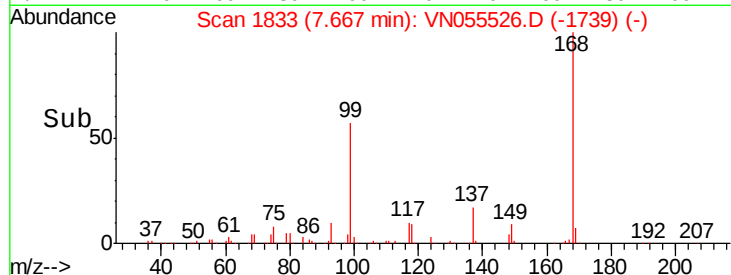
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.647 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055526.D

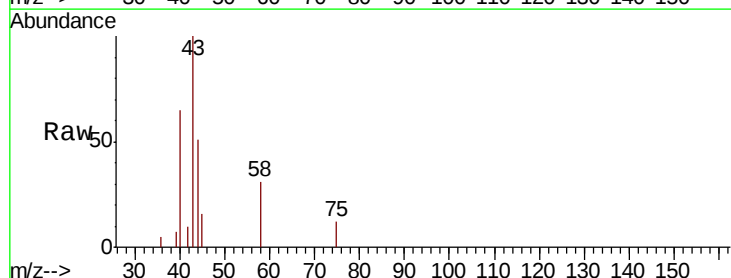
Acq: 10 May 2019 4:09

Tgt Ion: 43 Resp: 9770

Ion Ratio Lower Upper

43 100

58 31.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN055526.D (-545) (-)

Ion 58.00 (57.70 to 58.70): VN055526.D (-545) (-)

3.83

4000

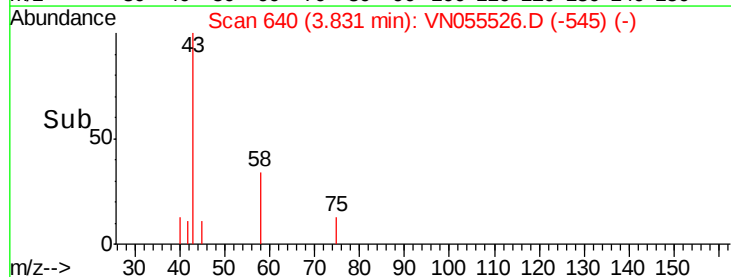
3000

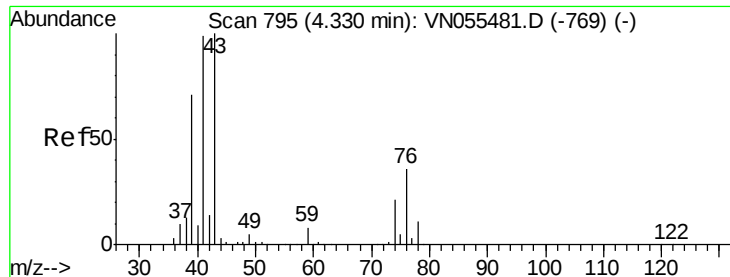
2000

1000

0

Time-->

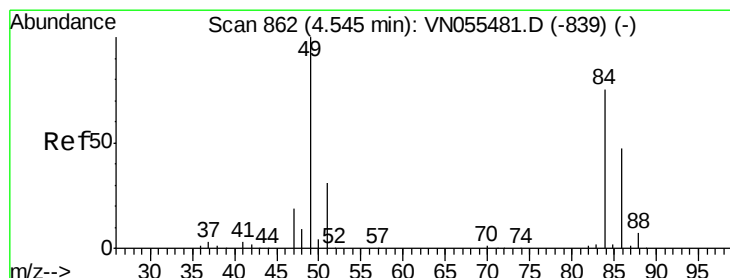
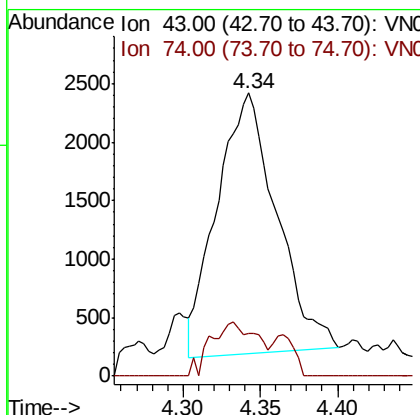
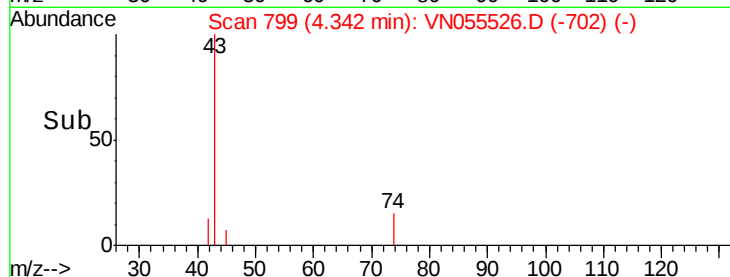
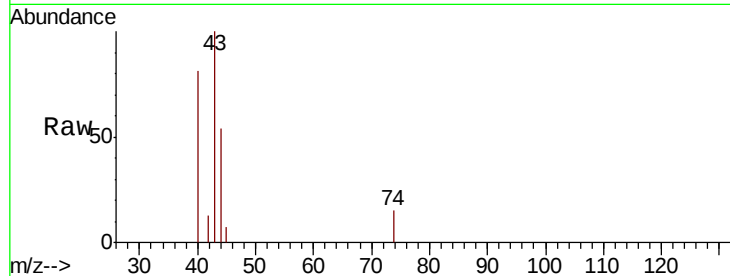




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN055526.D
Acq: 10 May 2019 4:09

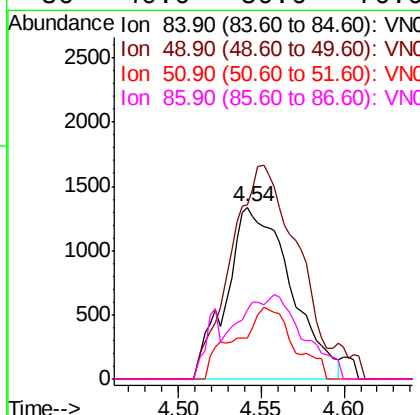
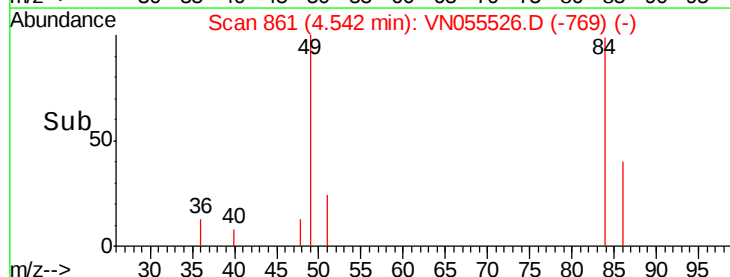
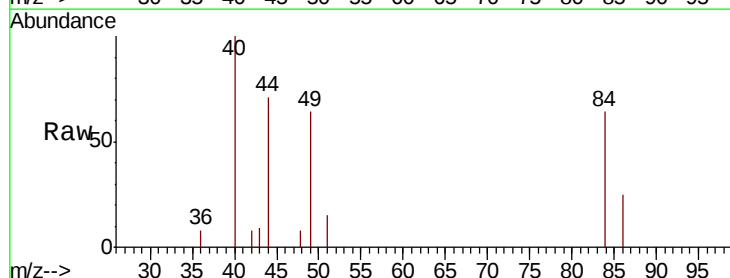
Instrument :
MSVOA_N
ClientSampled :
CKMW-22

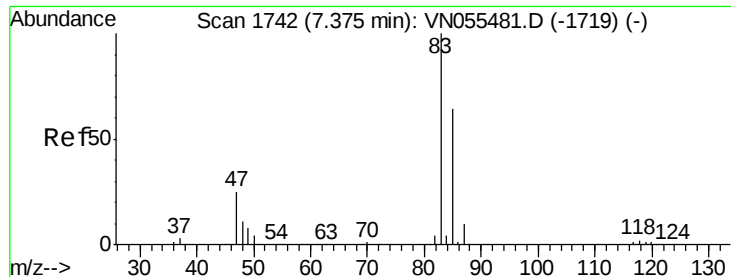
Tot Ion: 43 Resp: 5976
Ion Ratio Lower Upper
43 100
74 16.2 16.3 24.5#



#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055526.D
Acq: 10 May 2019 4:09

Tgt Ion: 84 Resp: 3629
Ion Ratio Lower Upper
84 100
49 101.2 107.0 160.6#
51 24.0 33.0 49.4#
86 40.0 50.6 76.0#

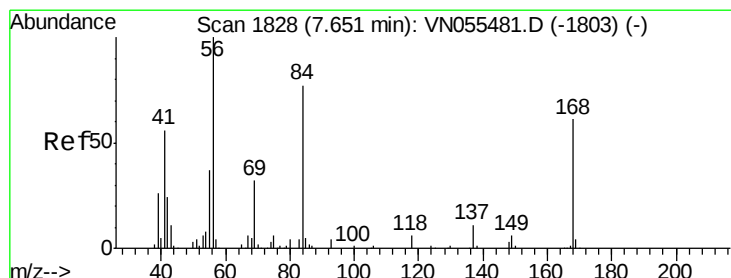
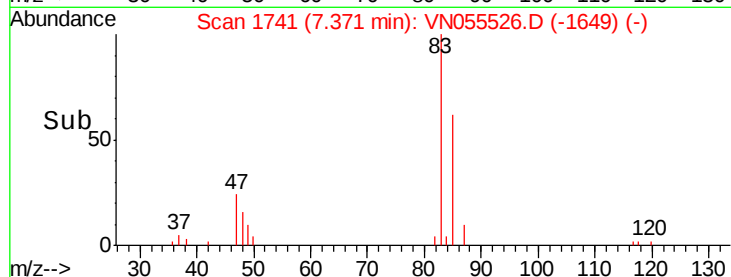
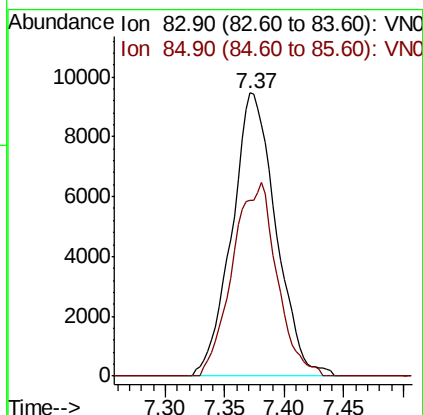
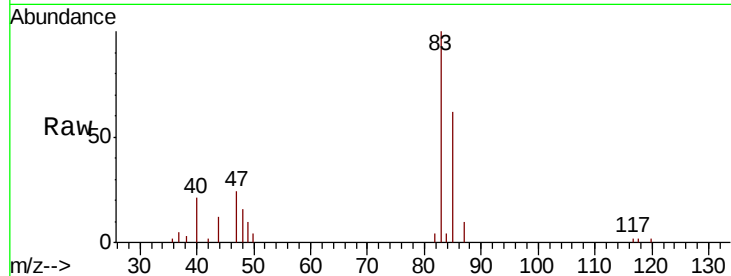




#30
Chloroform
Concen: 1.258 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055526.D
Acq: 10 May 2019 4:09

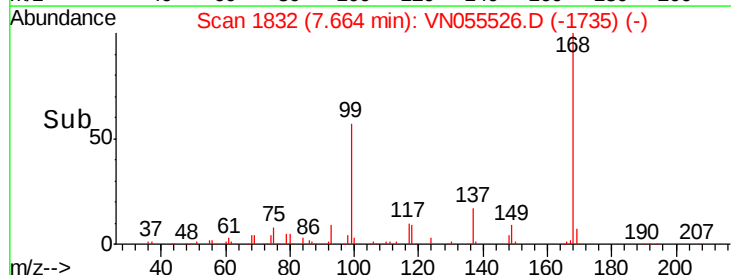
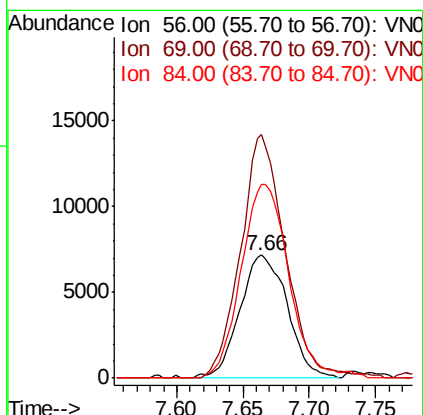
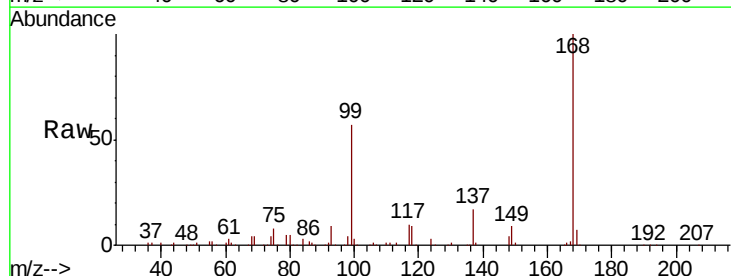
Instrument :
MSVOA_N
ClientSampled :
CKMW-22

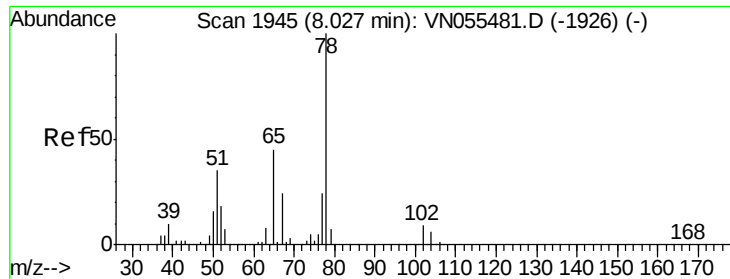
Tot Ion: 83 Resp: 24301
Ion Ratio Lower Upper
83 100
85 62.1 51.3 76.9



#31
Cyclohexane
Concen: 0.863 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055526.D
Acq: 10 May 2019 4:09

Tgt Ion: 56 Resp: 17847
Ion Ratio Lower Upper
56 100
69 198.2 26.0 39.0#
84 157.3 61.9 92.9#

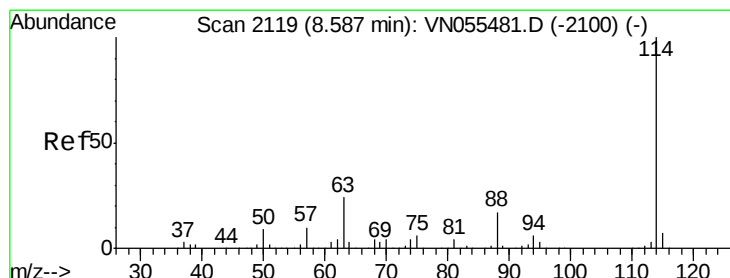
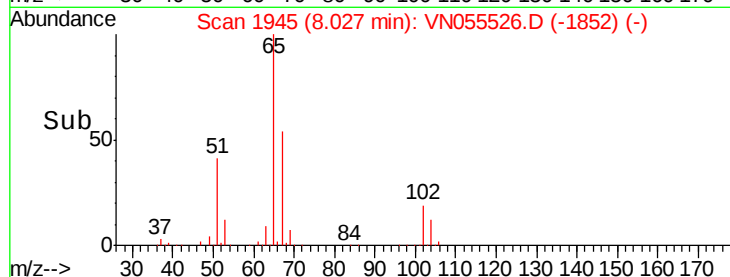
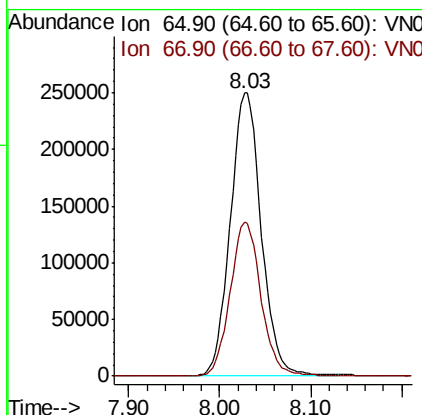
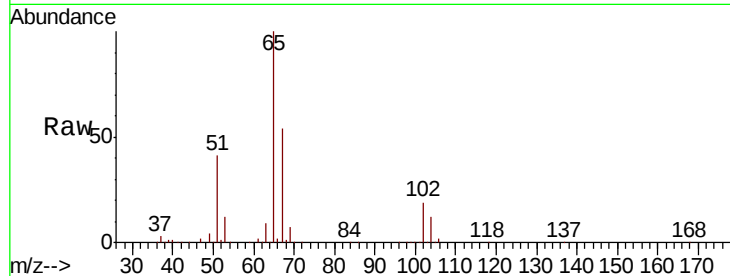




#33
 1,2-Dichloroethane-d4
 Concen: 46.130 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

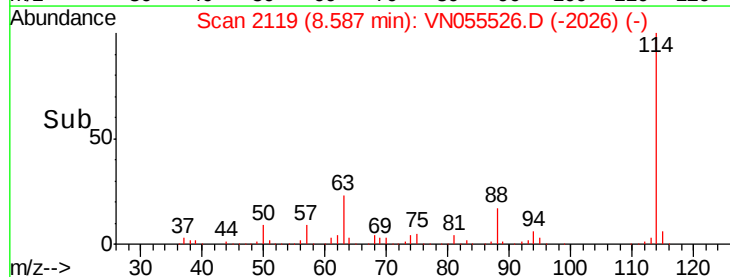
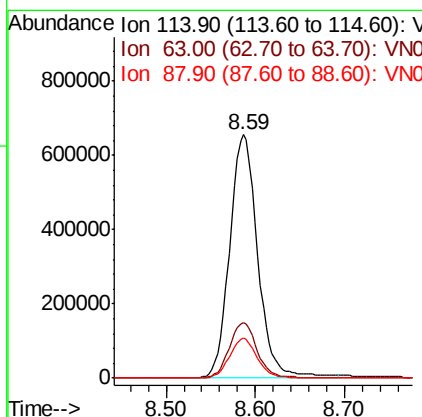
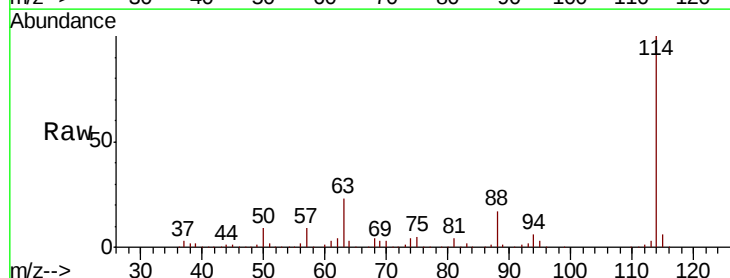
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-22

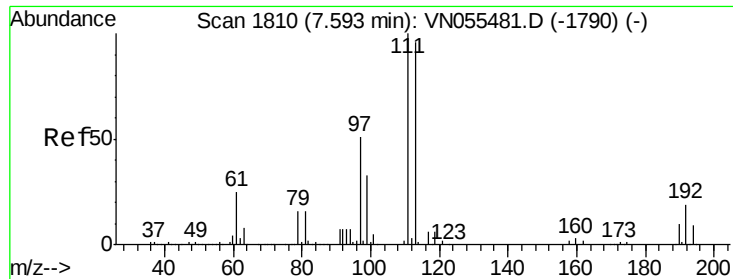
Tot Ion: 65 Resp: 591089
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

Tgt Ion: 114 Resp: 1429724
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.6 0.0 34.0

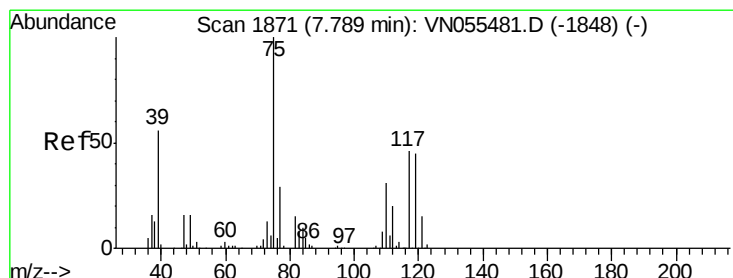
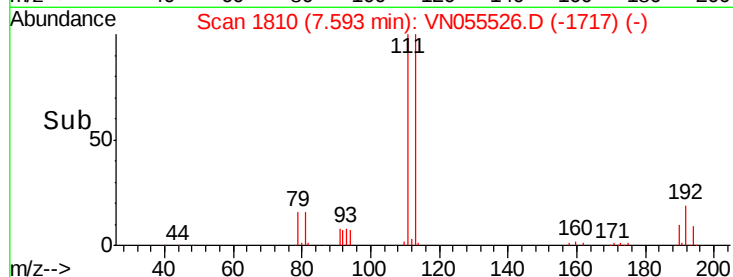
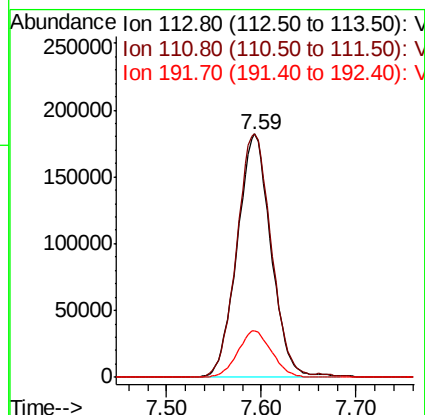
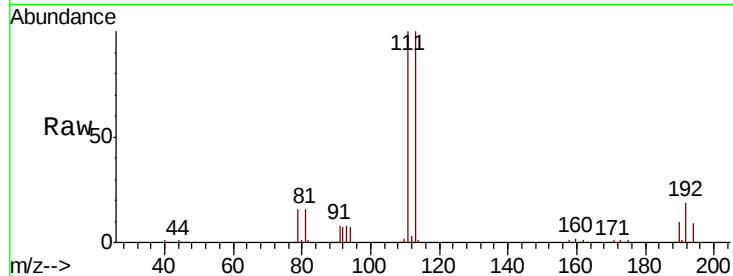




#35
 Dibromofluoromethane
 Concen: 49.030 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

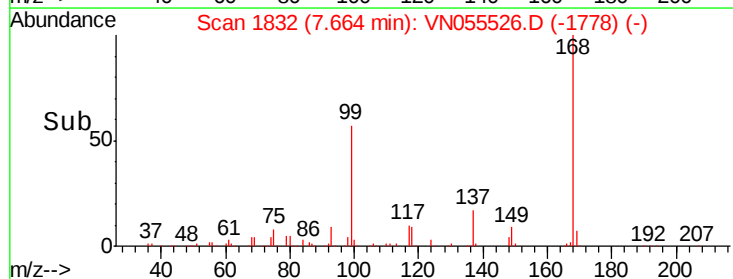
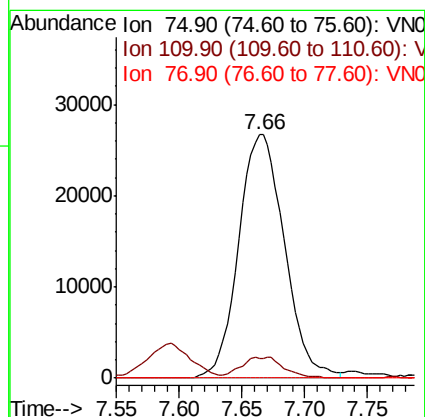
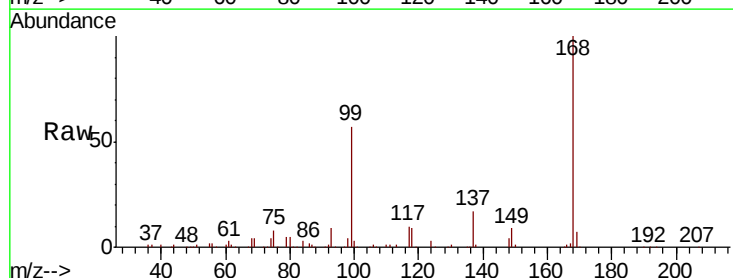
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-22

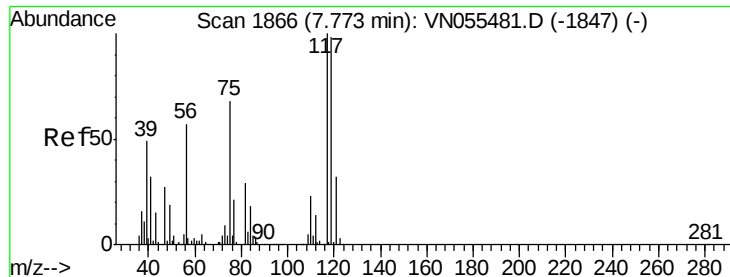
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	19.2	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.2	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.957 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

Instrument :

MSVOA_N

ClientSampleId :

CKMW-22

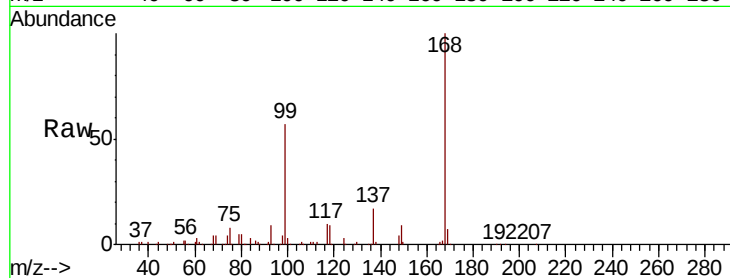
Tot Ion:117 Resp: 82512

Ion Ratio Lower Upper

117 100

119 5.0 77.8 116.6#

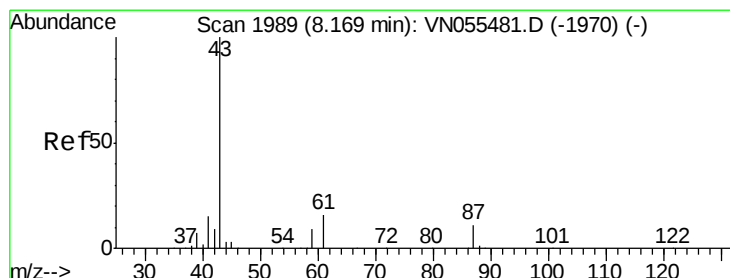
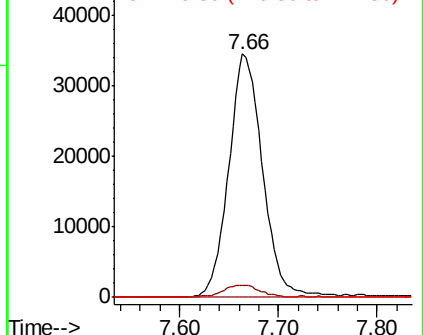
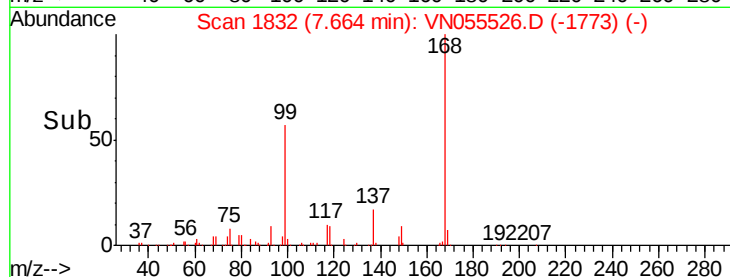
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.533 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

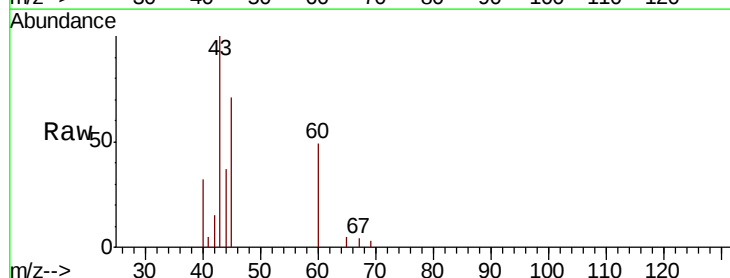
Tgt Ion: 43 Resp: 12452

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

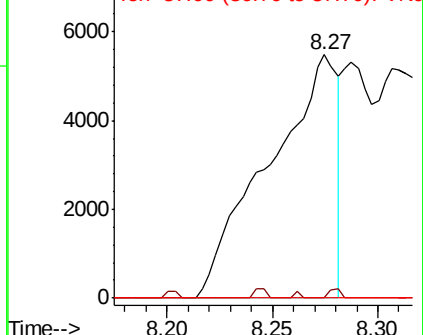
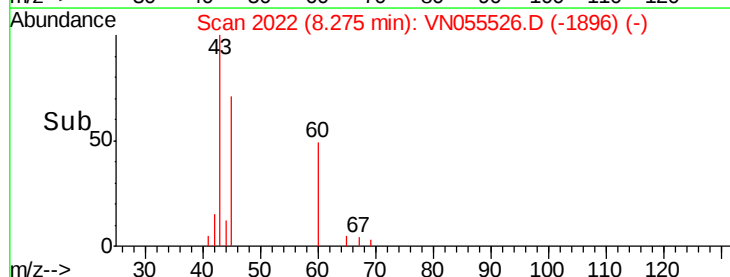
87 0.0 9.0 13.6#

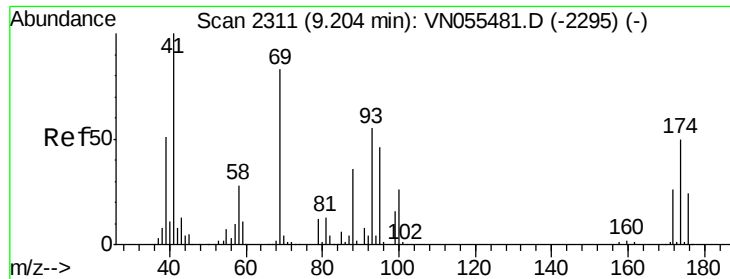


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

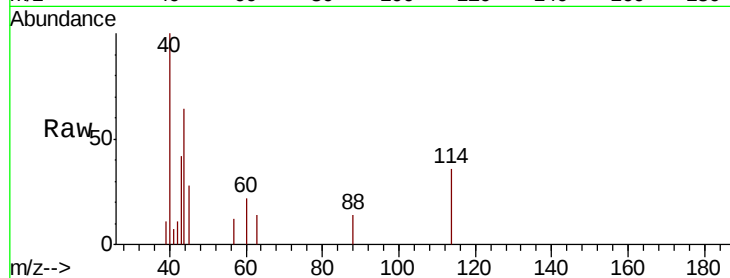




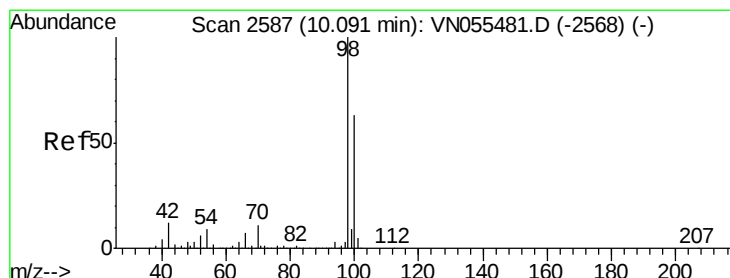
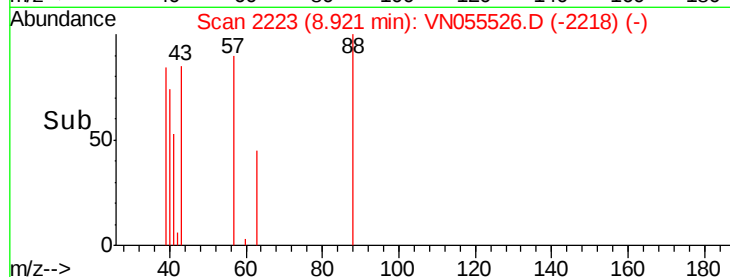
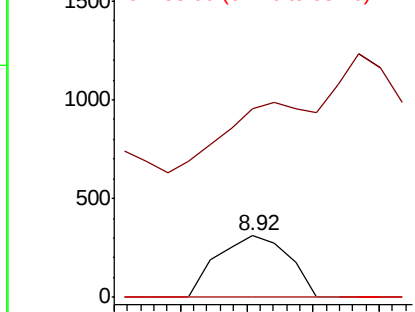
#49
 1,4-Dioxane
 Concen: 1.068 ug/l
 RT: 8.92 min Scan# 2223
 Delta R.T. -0.28 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-22

Tot Ion: 88 Resp: 234
 Ion Ratio Lower Upper
 88 100
 43 276.5 27.8 41.8#
 58 0.0 61.8 92.6#

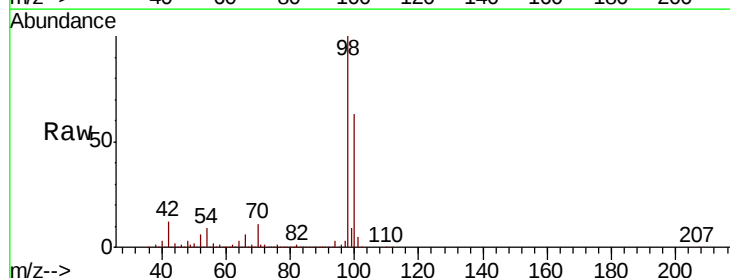


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

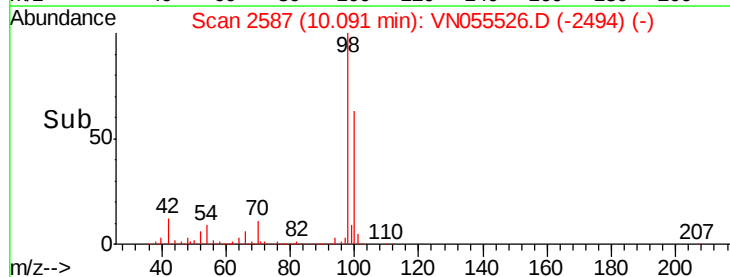
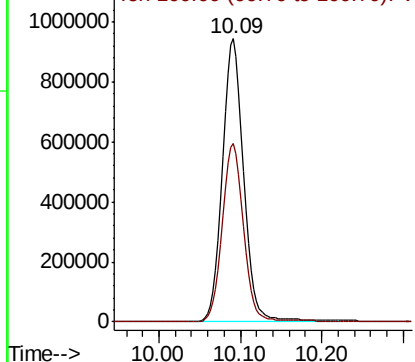


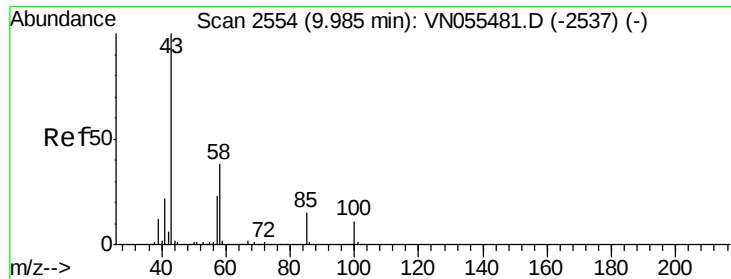
#50
 Toluene-d8
 Concen: 48.908 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

Tgt Ion: 98 Resp: 1757787
 Ion Ratio Lower Upper
 98 100
 100 62.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.503 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

Instrument :

MSVOA_N

ClientSampleId :

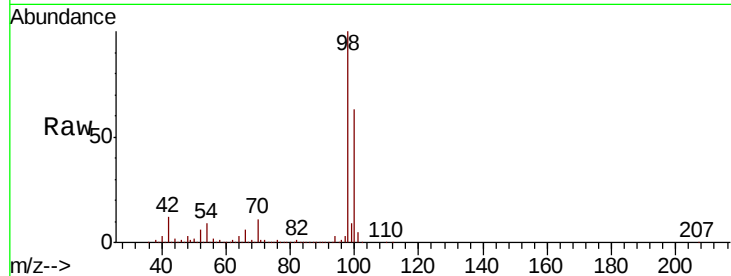
CKMW-22

Tot Ion: 43 Resp: 7717

Ion Ratio Lower Upper

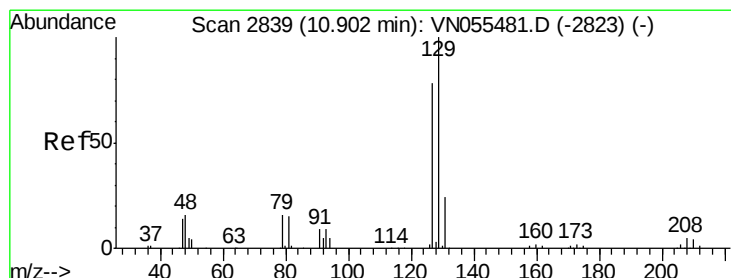
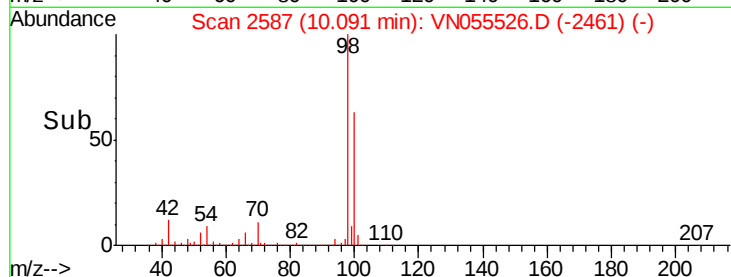
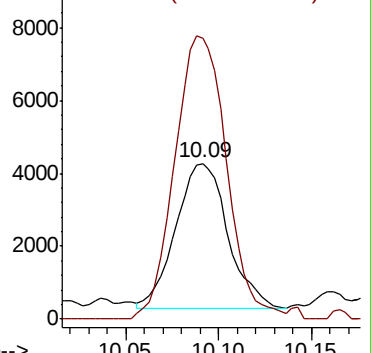
43 100

58 194.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN055526.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN055526.D (-2461) (-)



#60

Dibromochloromethane

Concen: 0.435 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN055526.D

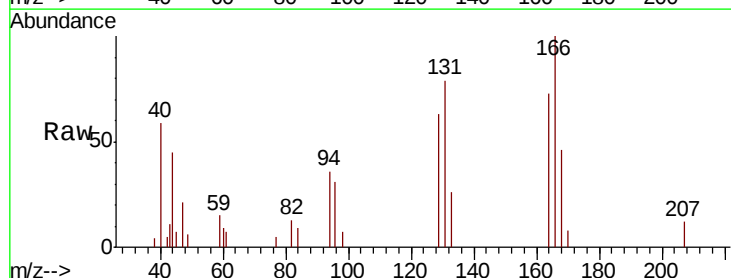
Acq: 10 May 2019 4:09

Tgt Ion: 129 Resp: 4002

Ion Ratio Lower Upper

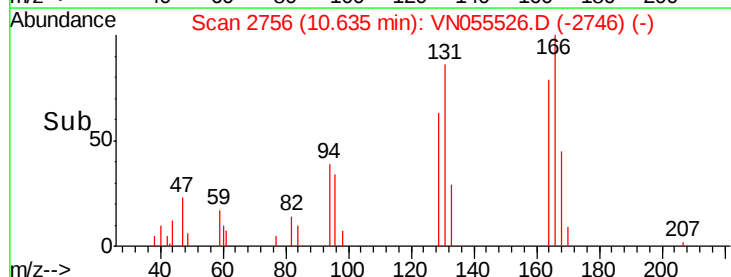
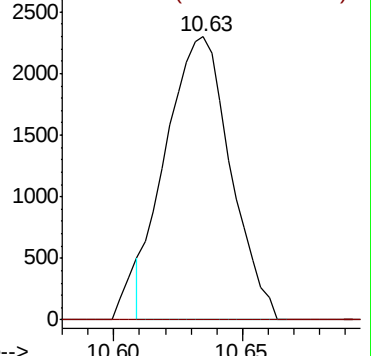
129 100

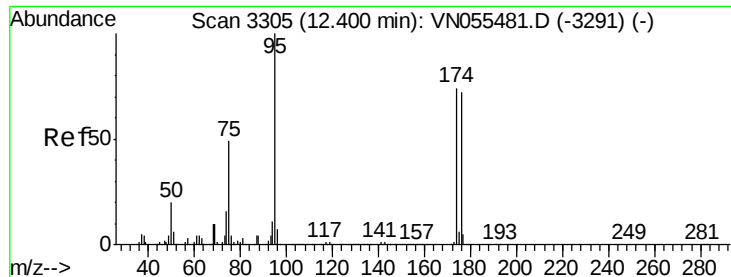
127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): VN055526.D (-2746) (-)

Ion 126.80 (126.50 to 127.50): VN055526.D (-2746) (-)

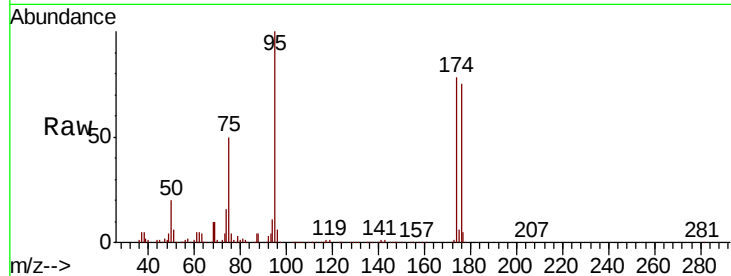




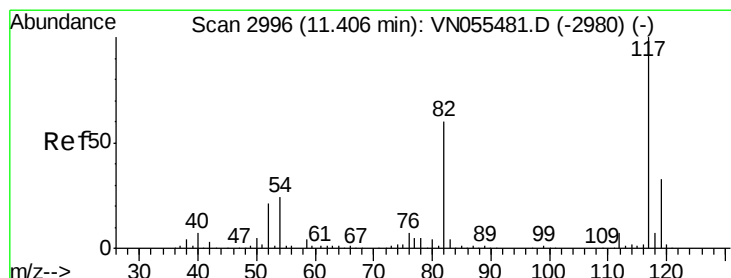
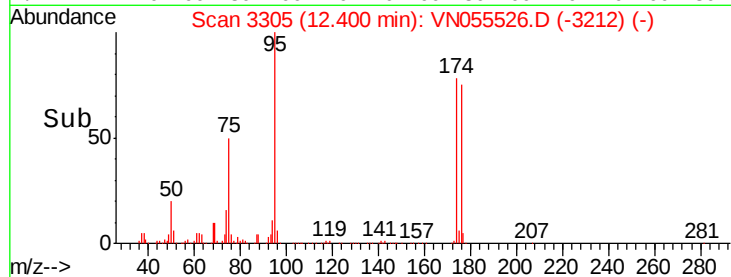
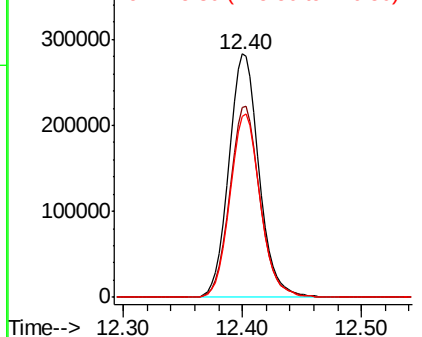
#62
4-Bromofluorobenzene
Concen: 41.105 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055526.D
Acq: 10 May 2019 4:09

Instrument :
MSVOA_N
ClientSampleId :
CKMW-22

Tot Ion: 95 Resp: 498142
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.2
176 75.6 0.0 147.8

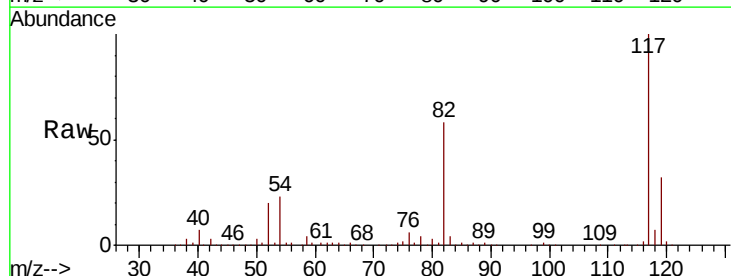


Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)

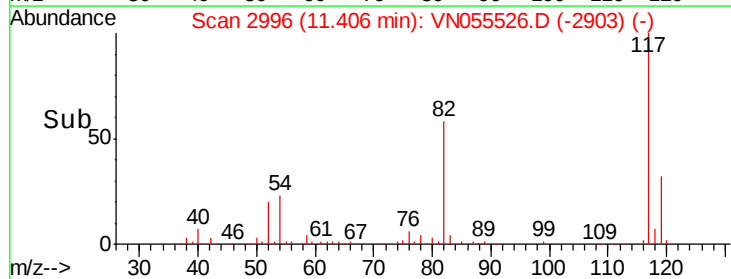
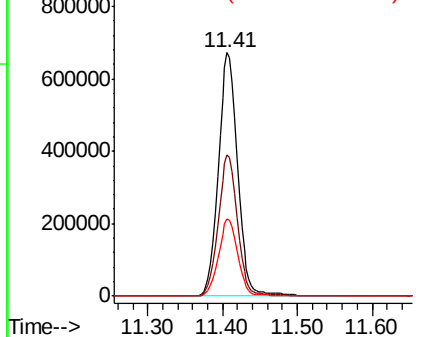


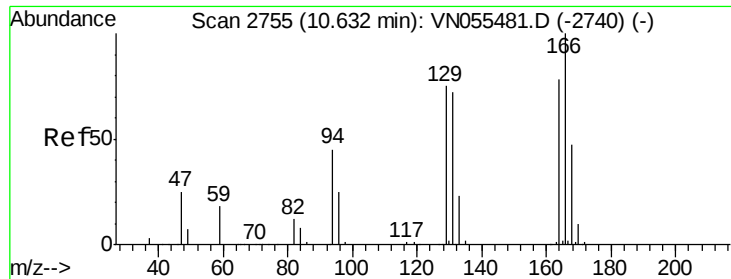
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055526.D
Acq: 10 May 2019 4:09

Tgt Ion: 117 Resp: 1196392
Ion Ratio Lower Upper
117 100
82 58.0 48.0 72.0
119 31.8 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN055481.D (-2980) (-)
Ion 82.00 (81.70 to 82.70): VN055481.D (-2980) (-)
Ion 118.90 (118.60 to 119.60): VN055481.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.515 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

Instrument :

MSVOA_N

ClientSampled :

CKMW-22

Tot Ion:164 Resp: 5051

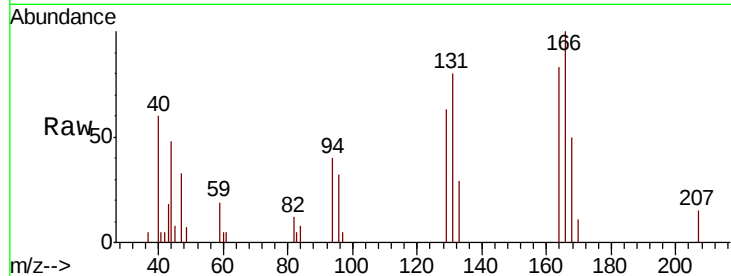
Ion Ratio Lower Upper

164 100

166 115.2 102.6 153.8

129 76.1 77.0 115.6#

131 96.8 73.7 110.5



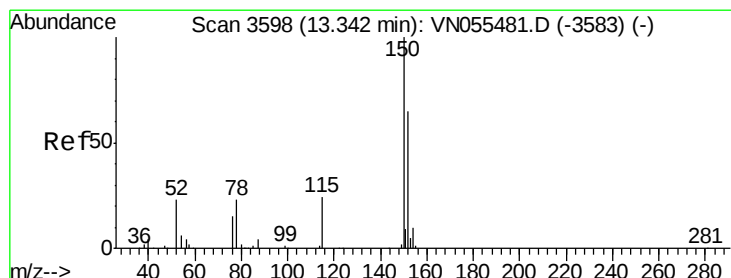
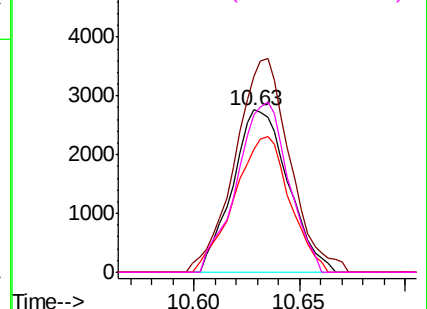
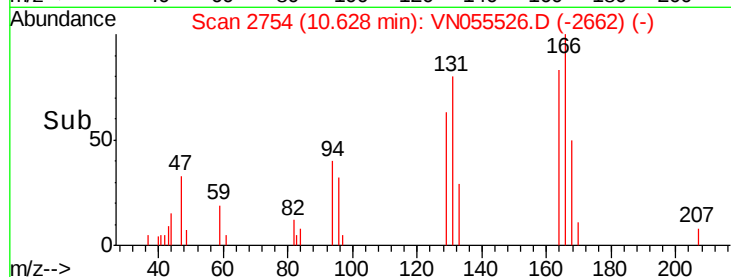
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

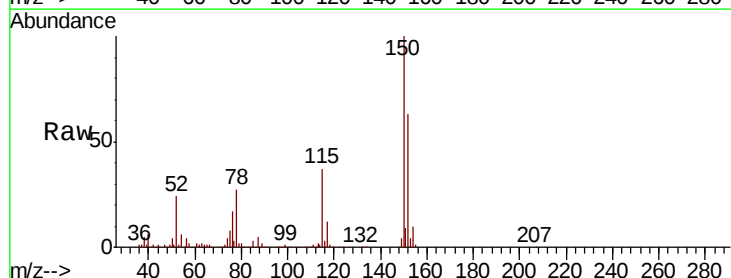
Tgt Ion:152 Resp: 326589

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.5

150 156.4 0.0 355.0

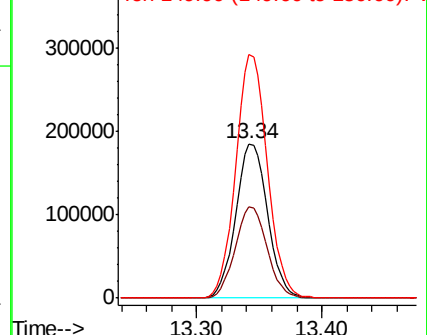
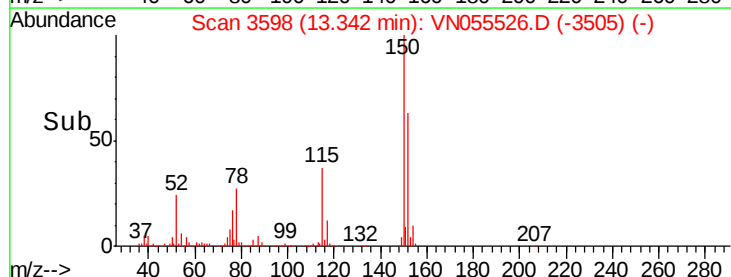


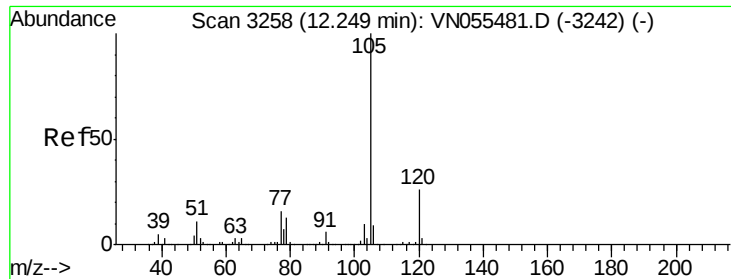
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

Instrument :

MSVOA_N

ClientSampleId :

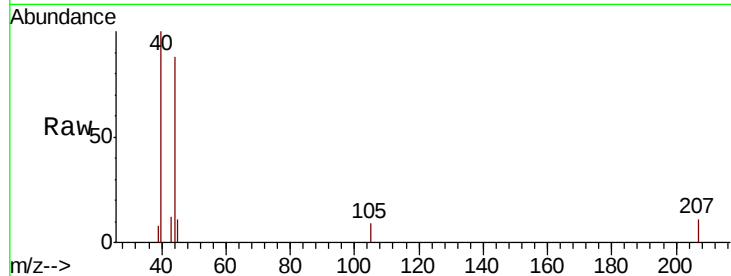
CKMW-22

Tot Ion: 105.00 Resp: 71

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

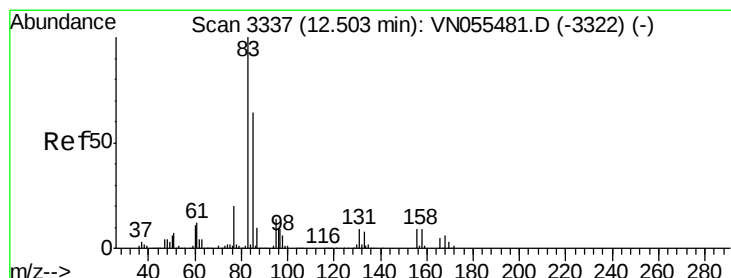
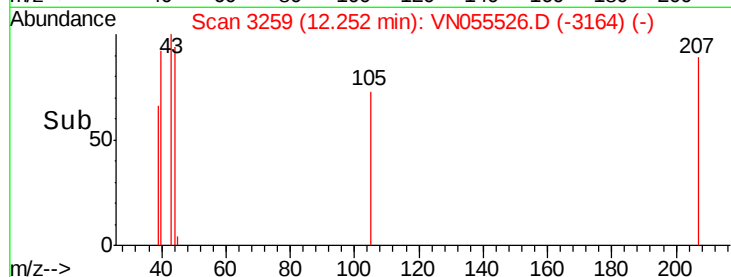
150

100

50

0

Time--> 12.24 12.25 12.26



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

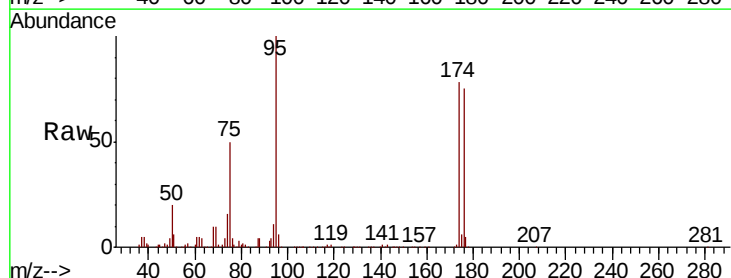
Tgt Ion: 83 Resp: 167

Ion Ratio Lower Upper

83 100

131 315.6 4.5 13.5#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

600

500

400

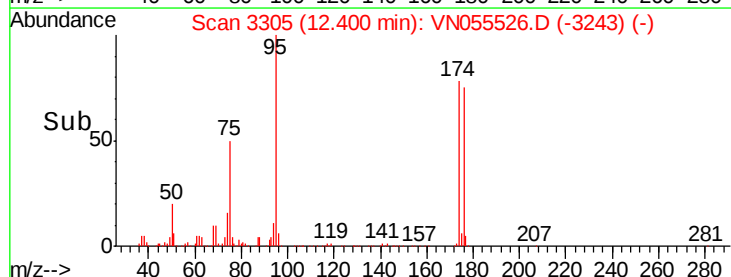
300

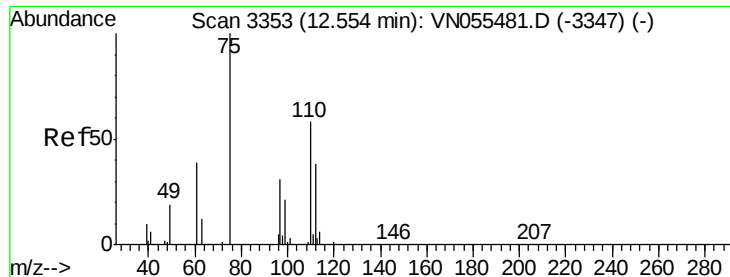
200

100

0

Time--> 12.38 12.40 12.42





#76

1,2,3-Trichloropropane

Concen: 27.717 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

Instrument :

MSVOA_N

ClientSampleId :

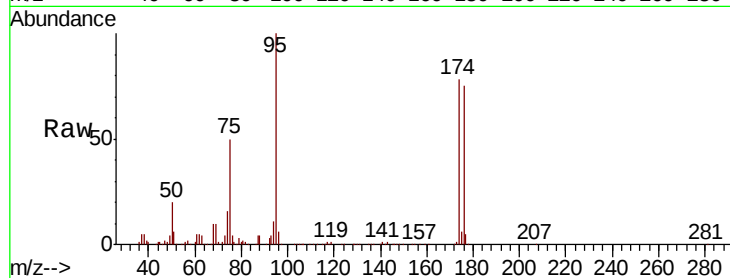
CKMW-22

Tot Ion: 75 Resp: 246425

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

150000

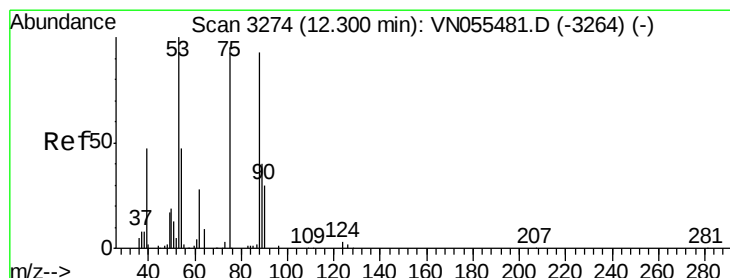
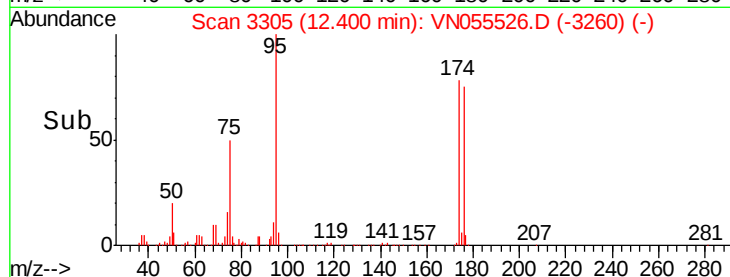
100000

50000

0

12.30 12.40 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.271 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055526.D

Acq: 10 May 2019 4:09

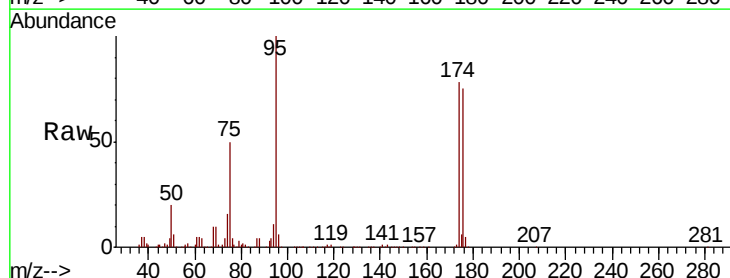
Tgt Ion: 75 Resp: 246425

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

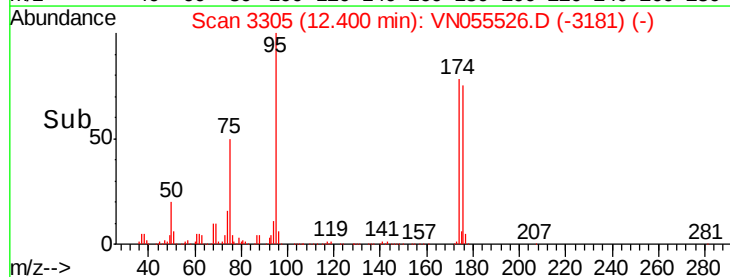
100000

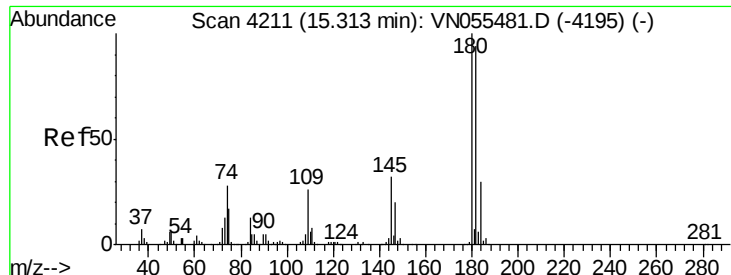
50000

0

12.30 12.40 12.50

Time-->

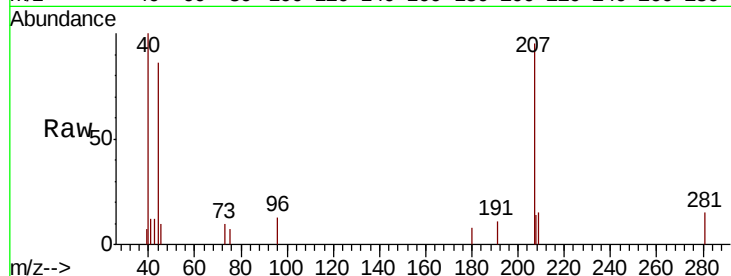




#96
 1,2,3-Trichlorobenzene
 Concen: 2.430 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN055526.D
 Acq: 10 May 2019 4:09

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-22

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.1	141.3#
145	0.0	15.8	47.4#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

