

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060489.D
 Acq On : 13 Mar 2020 9:47
 Operator : JC/MD
 Sample : VN0313MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01

Quant Time: Mar 16 04:25:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

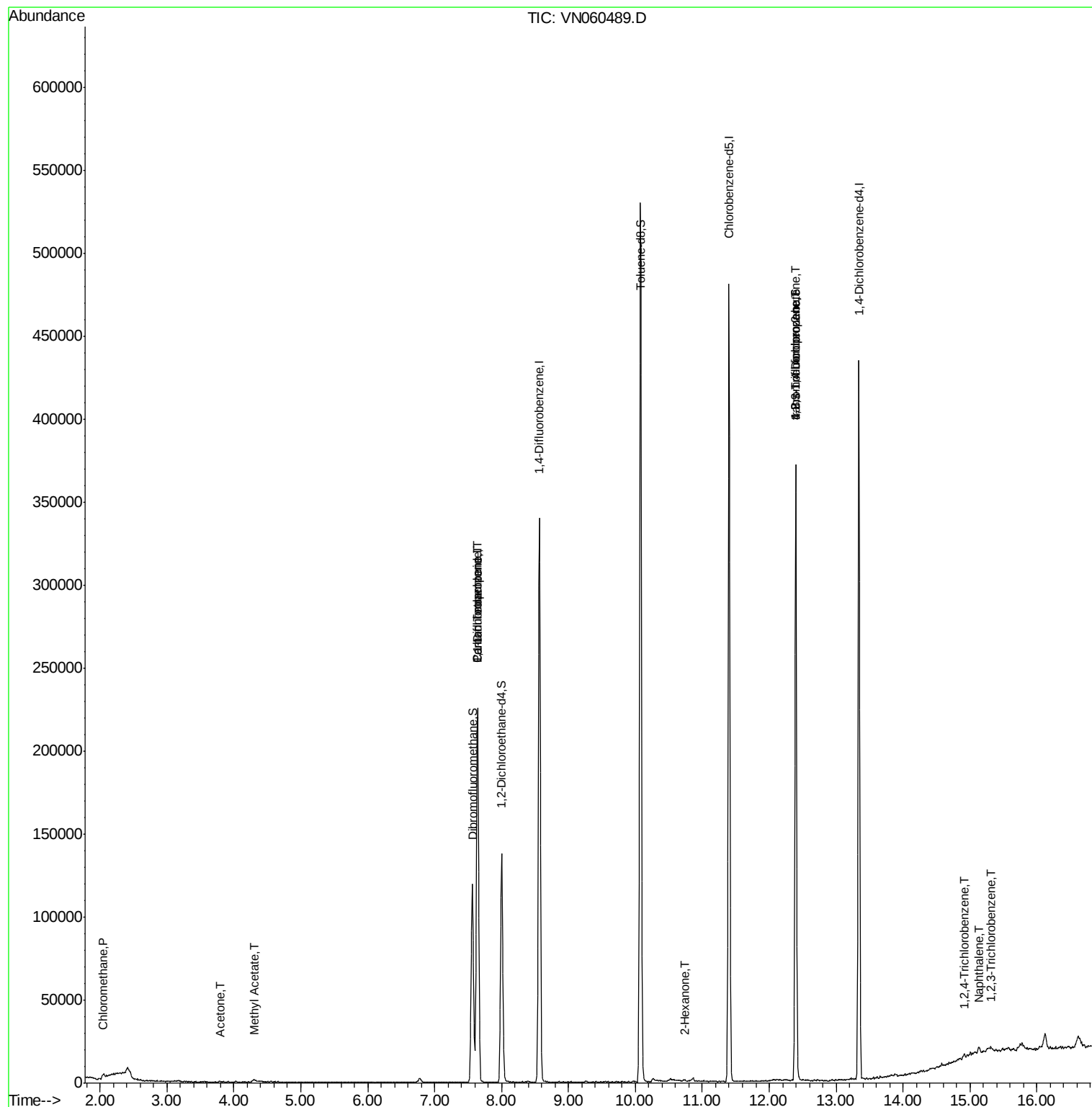
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	184872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	306189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	118898	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
35) Dibromofluoromethane	7.56	113	91209	64.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.36%	
50) Toluene-d8	10.08	98	370196	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	128884	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2221	0.753	ug/l	95
5) Bromomethane	2.56	94	31	Below Cal	#	47
16) Acetone	3.79	43	414	0.540	ug/l #	44
17) Carbon Disulfide	4.03	76	540	Below Cal	#	75
18) Methyl Acetate	4.30	43	4111	1.608	ug/l #	80
31) Cyclohexane	7.64	56	3864	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14042	4.812	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17933	6.312	ug/l #	15
59) 2-Hexanone	10.74	43	755	0.375	ug/l #	37
76) 1,2,3-Trichloropropane	12.40	75	64832	26.348	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	64832	72.734	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	292	Below Cal	#	62
88) 1,4-Dichlorobenzene	13.36	146	403	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	825	0.451	ug/l #	82
94) Hexachlorobutadiene	15.01	225	284	Below Cal	#	55
95) Naphthalene	15.13	128	3274	0.219	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.31	180	1120	0.343	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031320\
Data File : VN060489.D
Acq On : 13 Mar 2020 9:47
Operator : JC/MD
Sample : VN0313MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

Quant Time: Mar 16 04:25:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

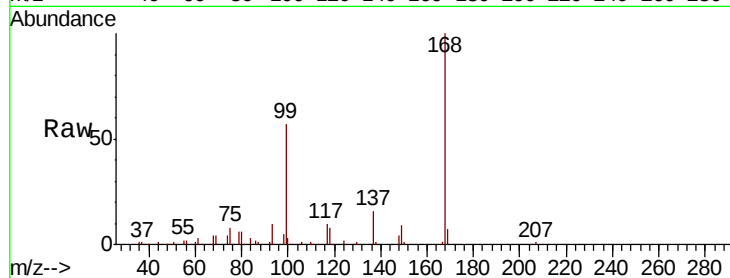
VN0313MBL01

Tot Ion:168 Resp: 184872

Ion Ratio Lower Upper

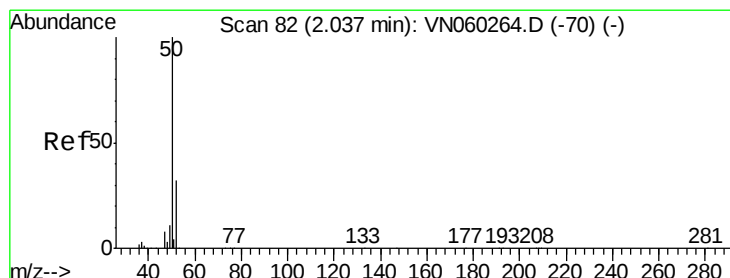
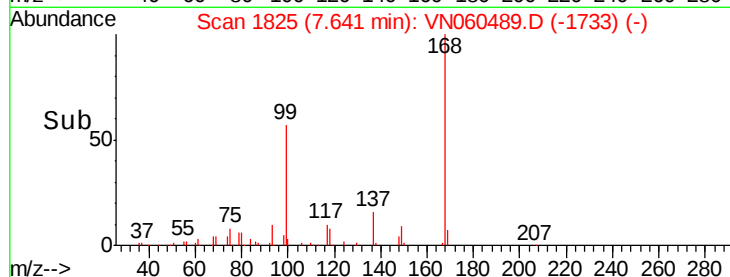
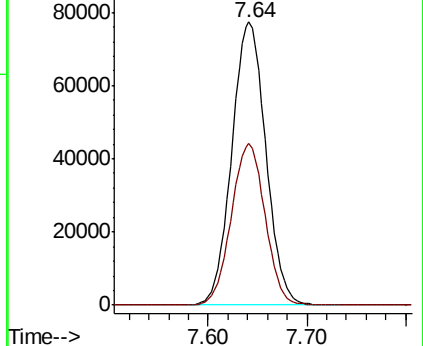
168 100

99 57.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.753 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060489.D

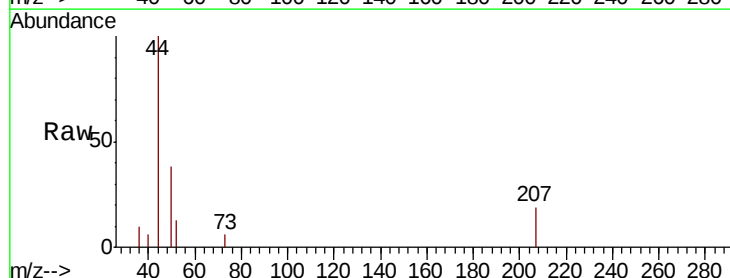
Acq: 13 Mar 2020 9:47

Tgt Ion: 50 Resp: 2221

Ion Ratio Lower Upper

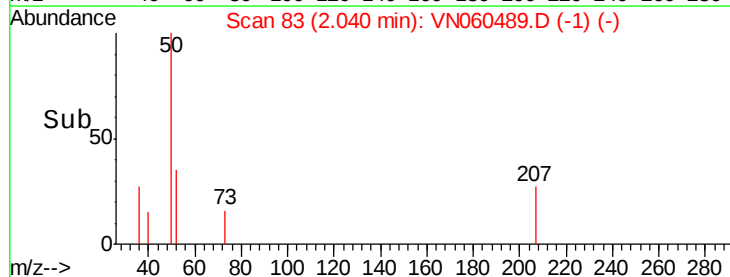
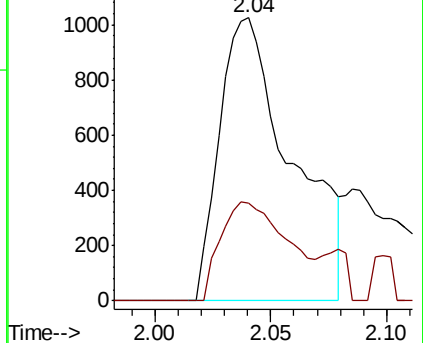
50 100

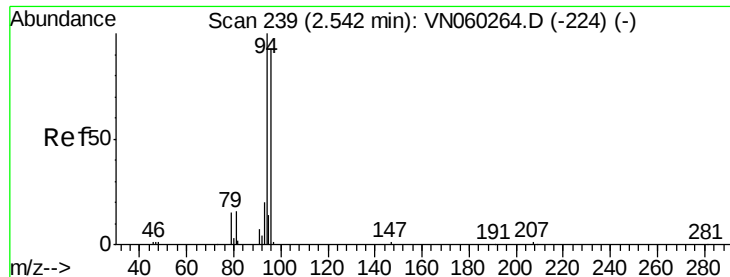
52 34.5 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

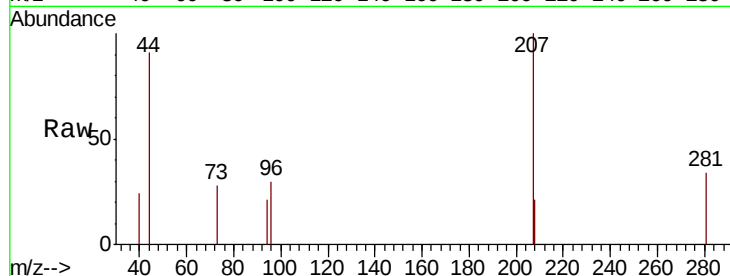
VN0313MBL01

Tot Ion: 94 Resp: 31

Ion Ratio Lower Upper

94 100

96 42.1 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250

200

150

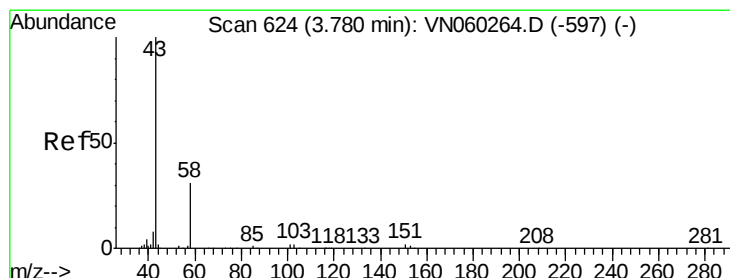
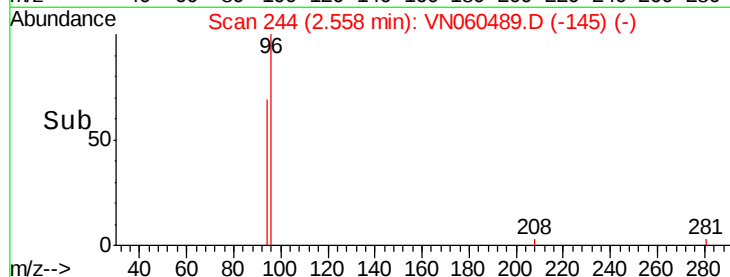
100

50

0

2.55 2.56 2.56 2.56

Time-->



#16

Acetone

Concen: 0.540 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060489.D

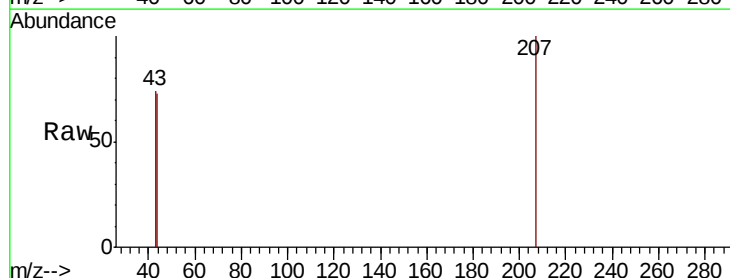
Acq: 13 Mar 2020 9:47

Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300

250

200

150

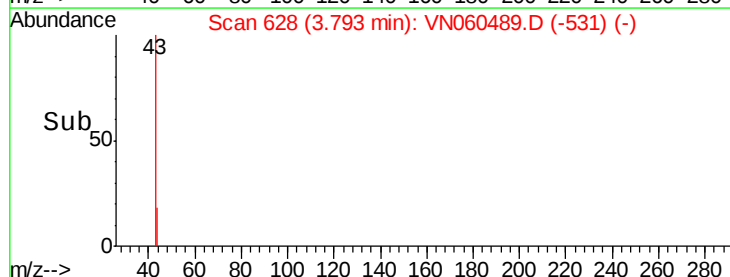
100

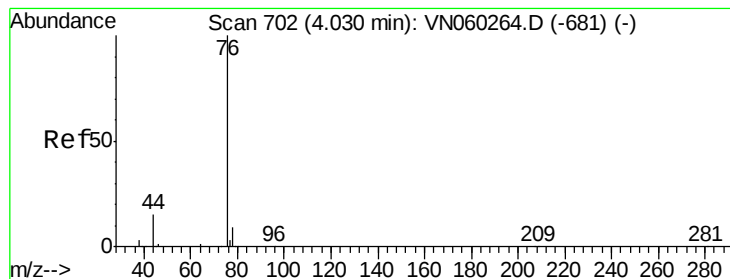
50

0

3.76 3.78 3.80 3.82

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

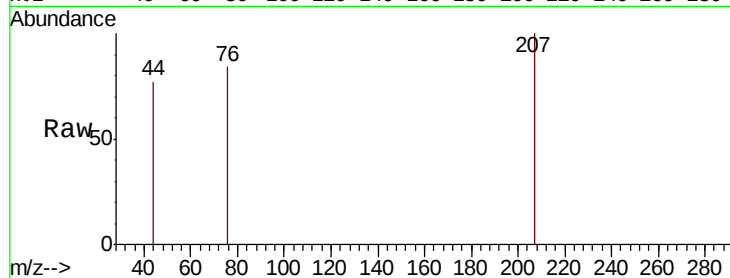
VN0313MBL01

Tot Ion: 76 Resp: 540

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

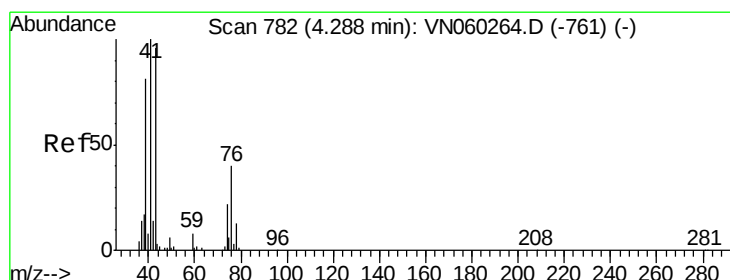
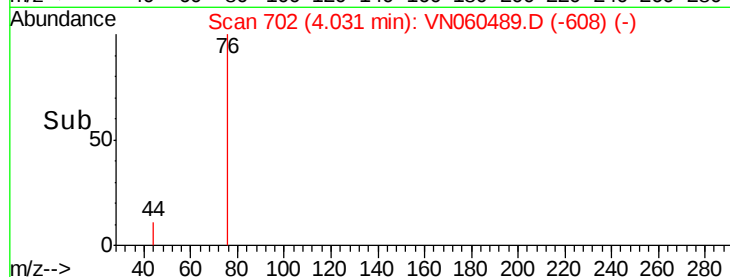
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 1.608 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060489.D

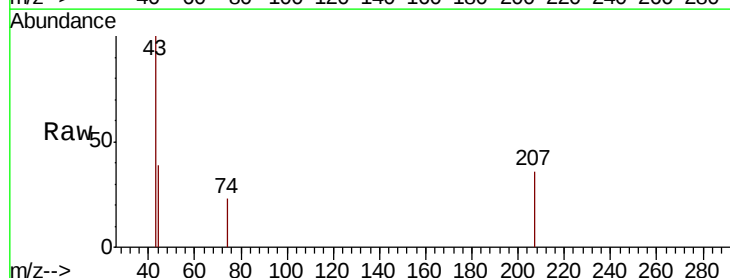
Acq: 13 Mar 2020 9:47

Tgt Ion: 43 Resp: 4111

Ion Ratio Lower Upper

43 100

74 13.6 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

1200

1000

800

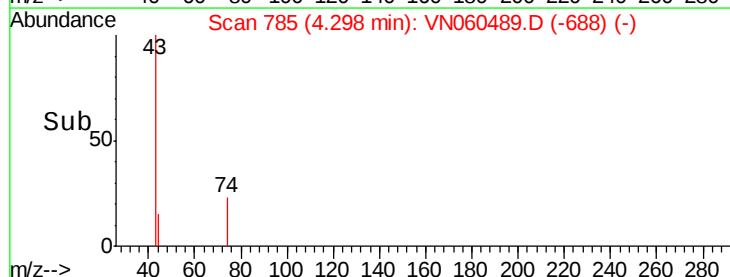
600

400

200

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.127 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

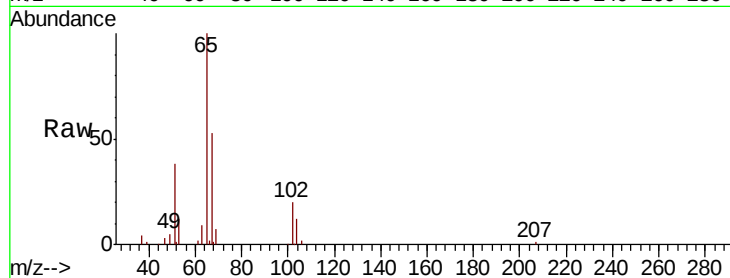
VN0313MBL01

Tot Ion: 65 Resp: 118898

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

30000

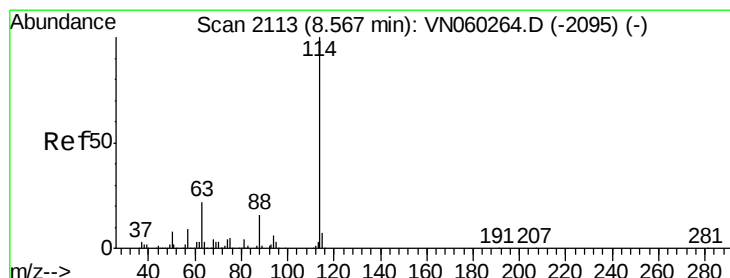
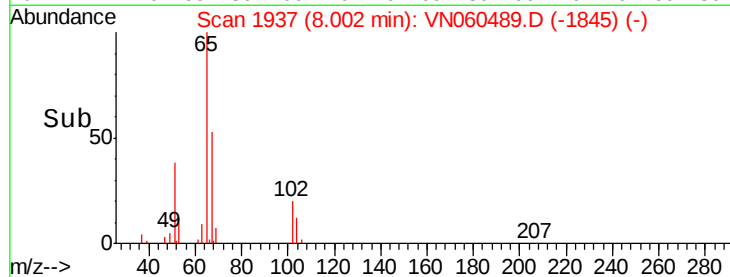
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

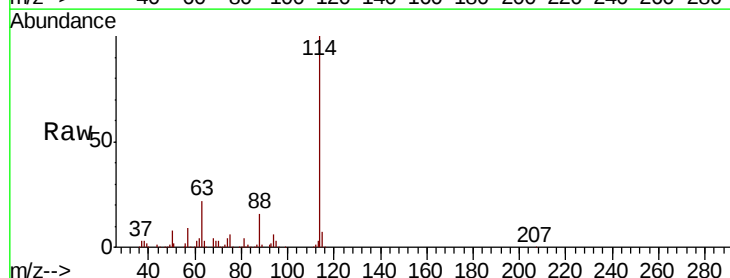
Tgt Ion: 114 Resp: 306189

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060264.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060264.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060264.D (-2095) (-)

8.56

200000

150000

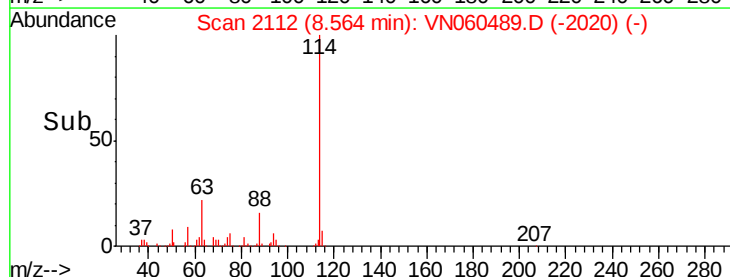
100000

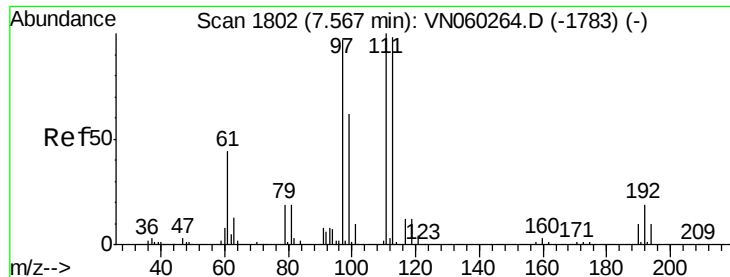
50000

0

Time-->

8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 64.176 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampled :

VN0313MBL01

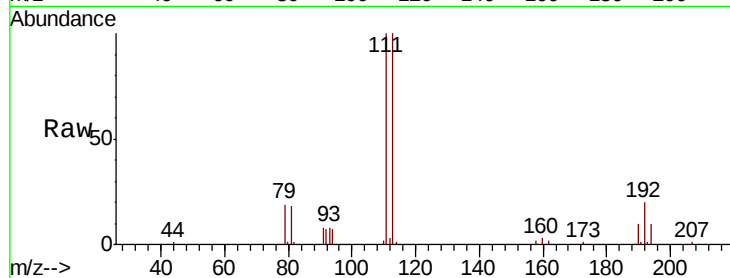
Tot Ion:113 Resp: 91209

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

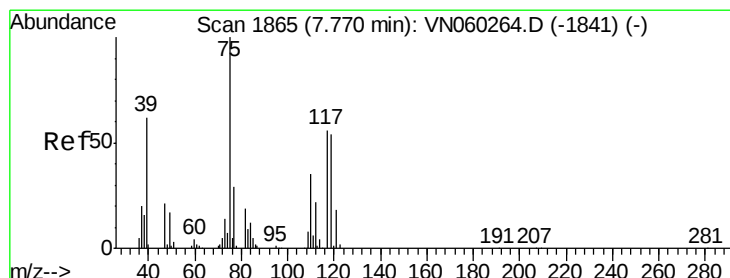
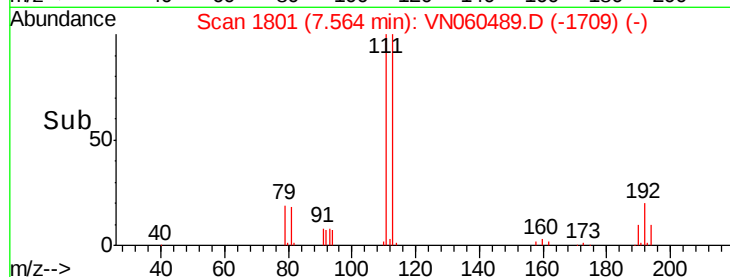
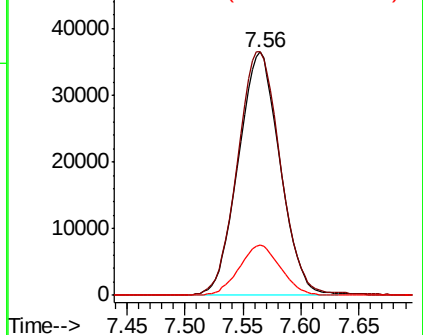
192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

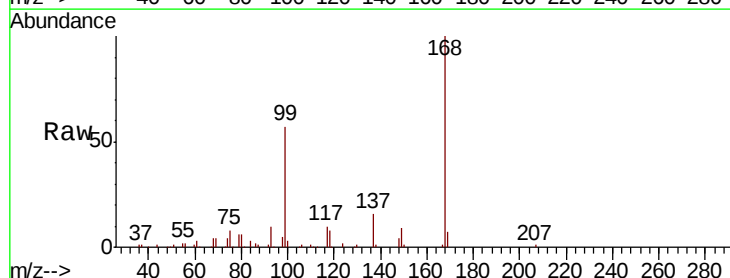
Tgt Ion: 75 Resp: 14042

Ion Ratio Lower Upper

75 100

110 8.2 17.3 52.0#

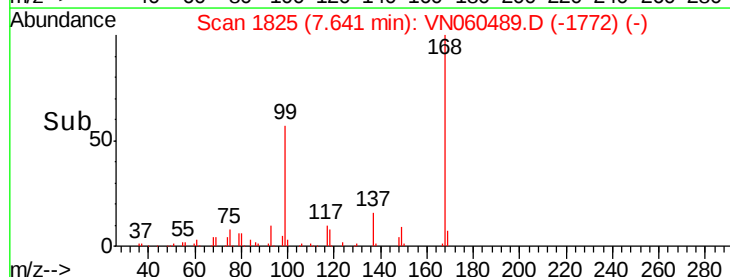
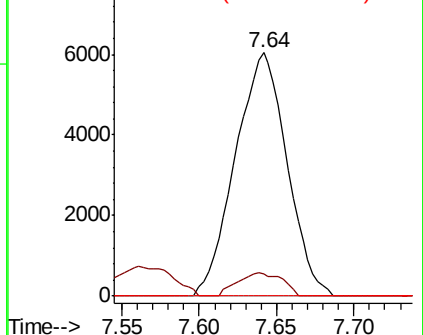
77 0.0 24.2 36.2#

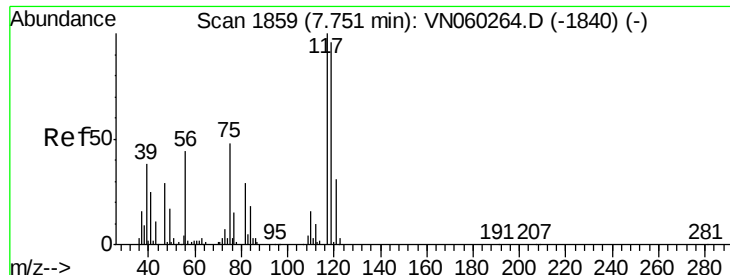


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

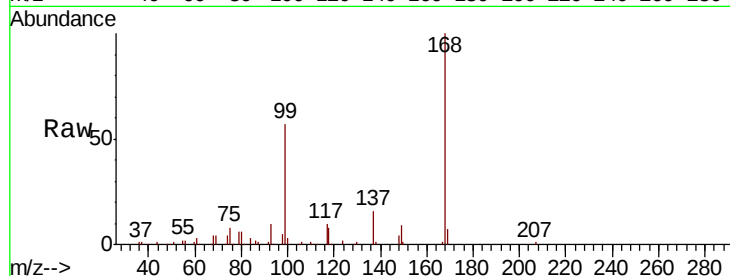
Tot Ion:117 Resp: 17933

Ion Ratio Lower Upper

117 100

119 3.7 76.7 115.1#

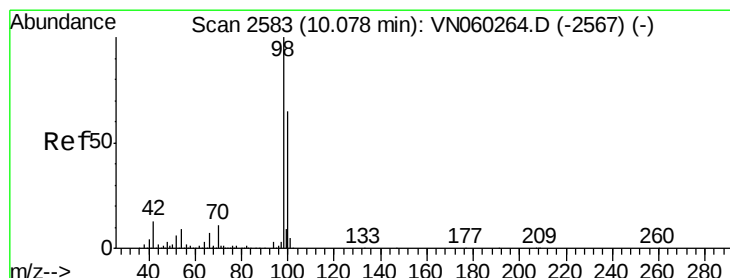
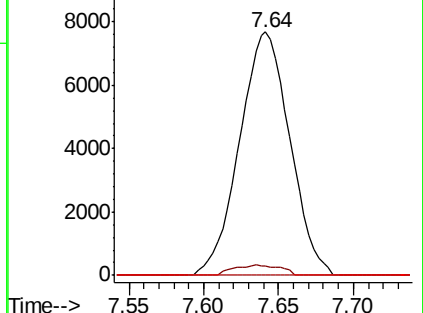
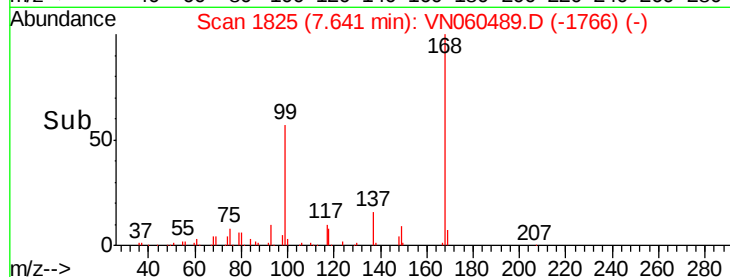
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 51.466 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060489.D

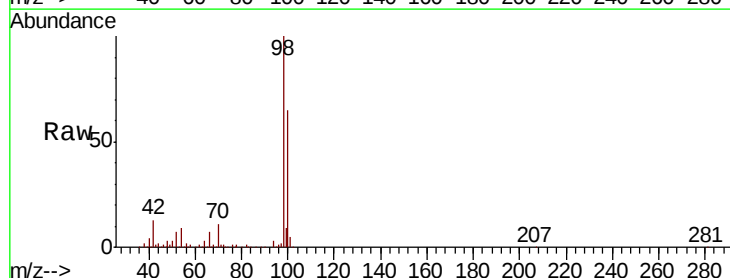
Acq: 13 Mar 2020 9:47

Tgt Ion: 98 Resp: 370196

Ion Ratio Lower Upper

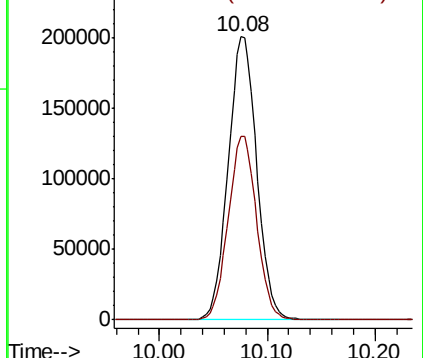
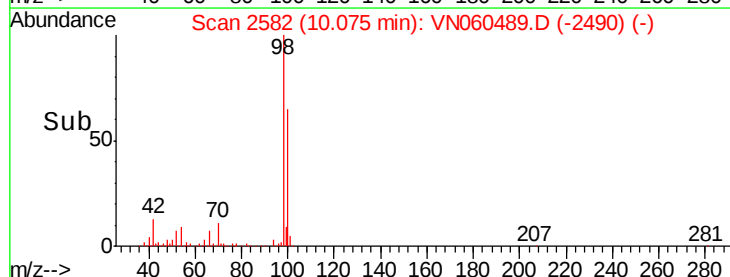
98 100

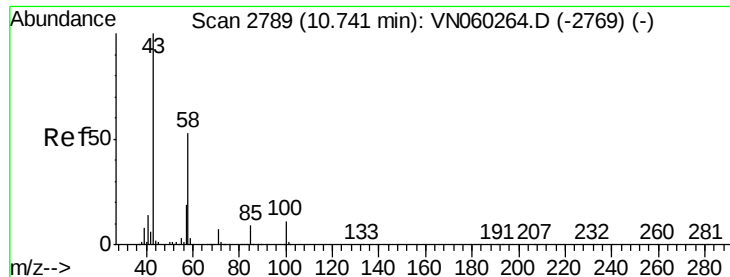
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 0.375 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

Instrument :

MSVOA_N

ClientSampleId :

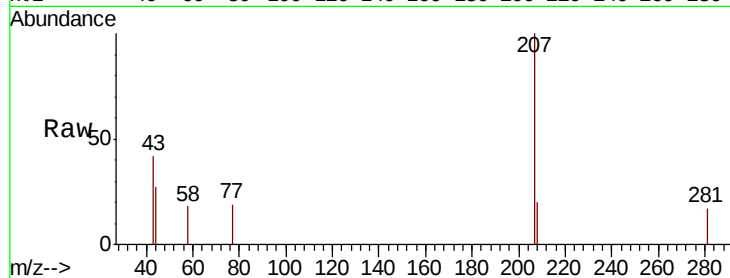
VN0313MBL01

Tot Ion: 43 Resp: 755

Ion Ratio Lower Upper

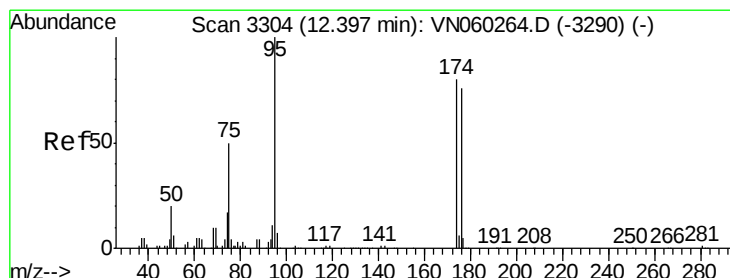
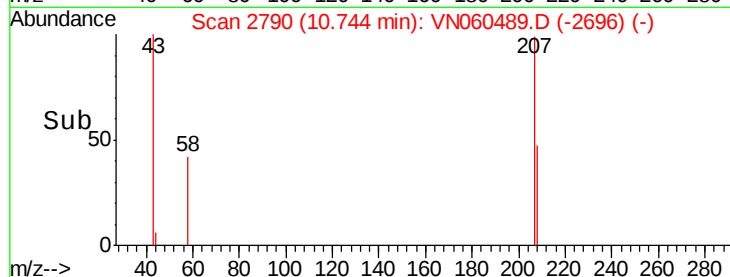
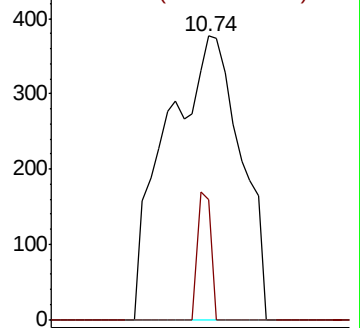
43 100

58 8.3 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.267 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060489.D

Acq: 13 Mar 2020 9:47

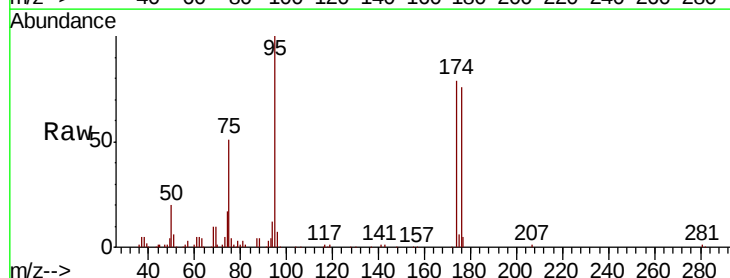
Tgt Ion: 95 Resp: 128884

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.2

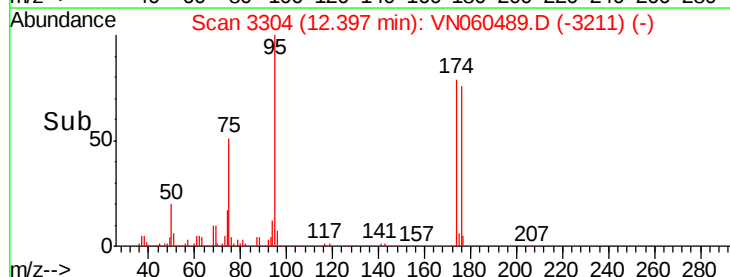
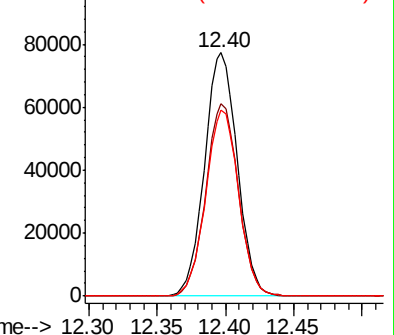
176 76.9 0.0 153.8

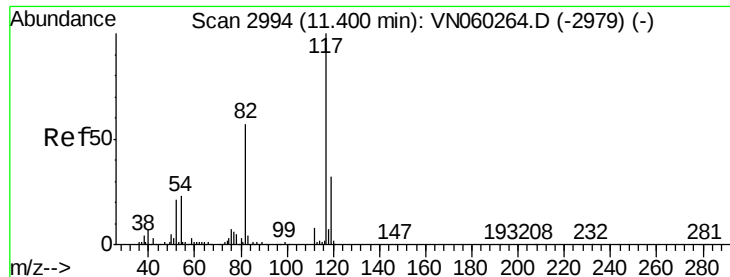


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

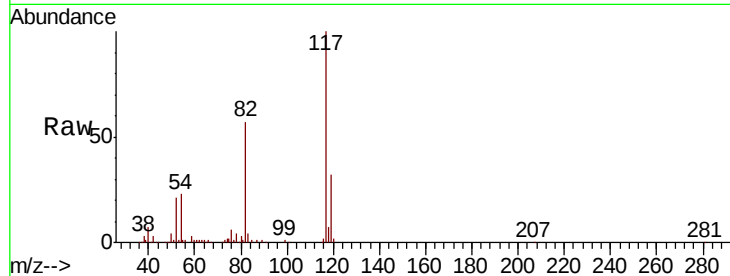




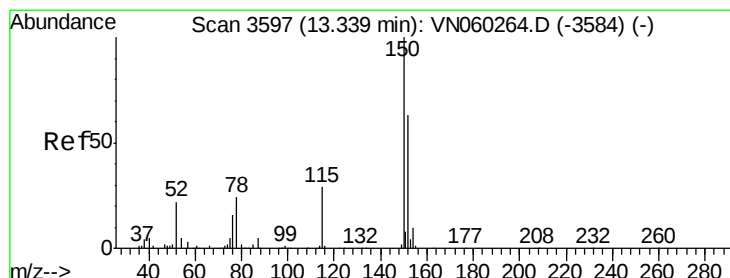
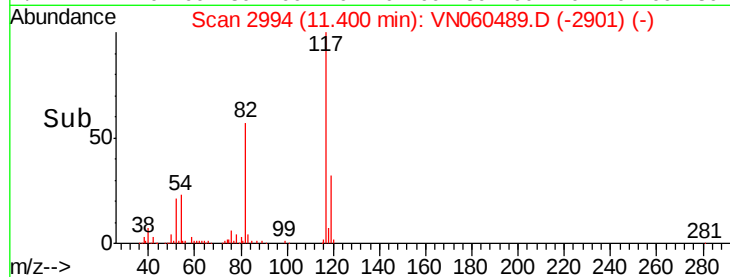
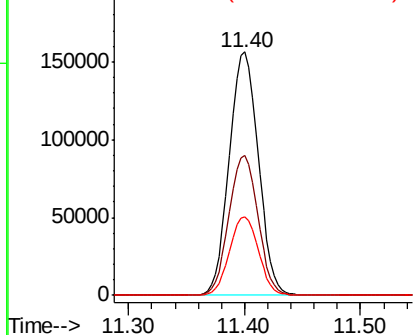
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060489.D
Acq: 13 Mar 2020 9:47

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

Tot Ion:117 Resp: 271644
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.4 25.8 38.8

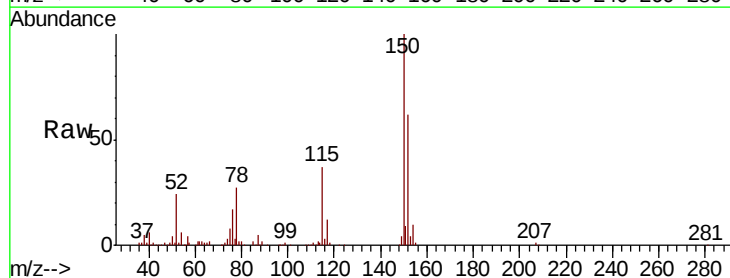


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

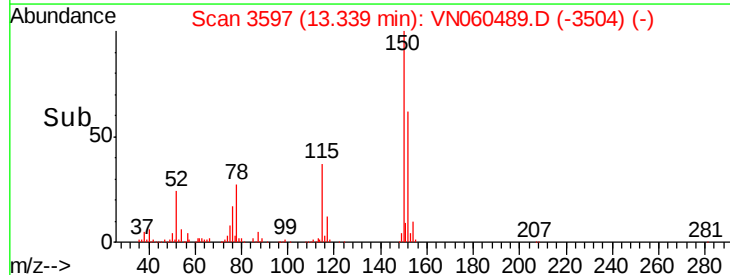
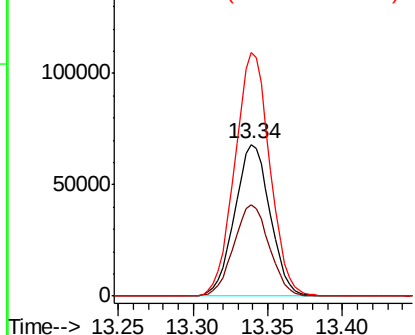


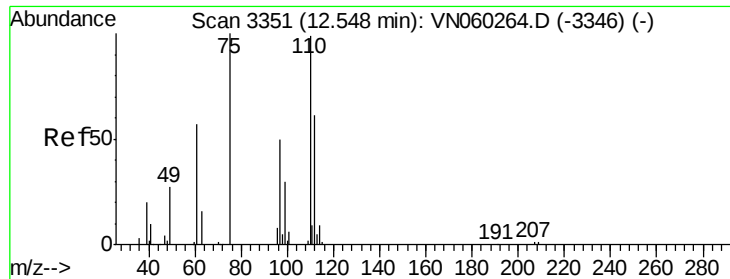
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060489.D
Acq: 13 Mar 2020 9:47

Tgt Ion:152 Resp: 112150
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.0
150 159.1 0.0 349.6



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

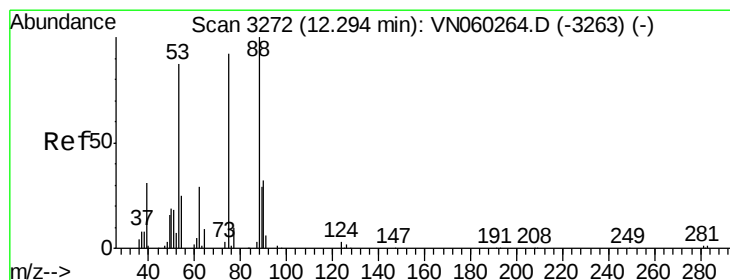
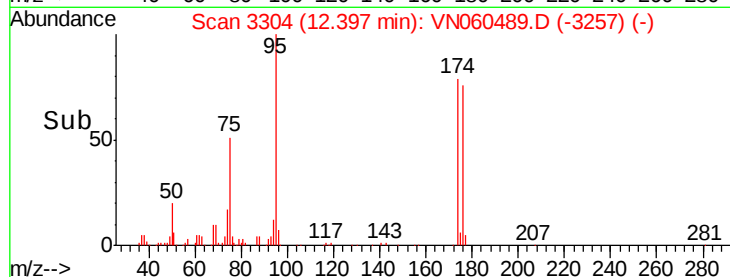
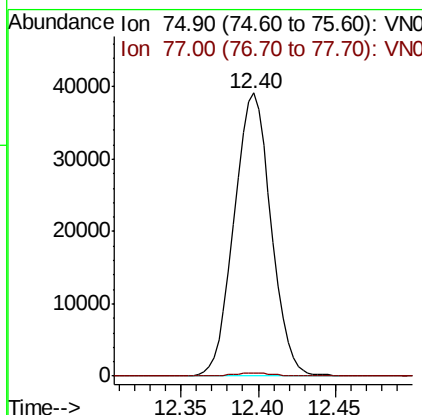
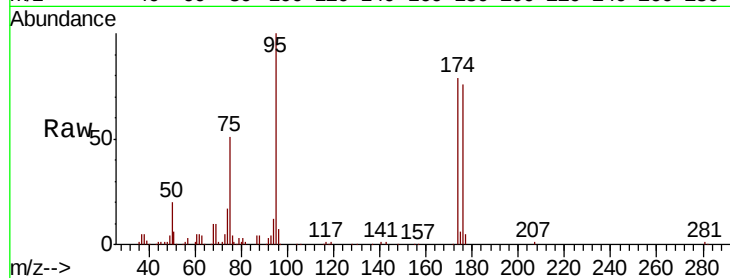




#76
 1,2,3-Trichloropropane
 Concen: 26.348 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060489.D
 Acq: 13 Mar 2020 9:47

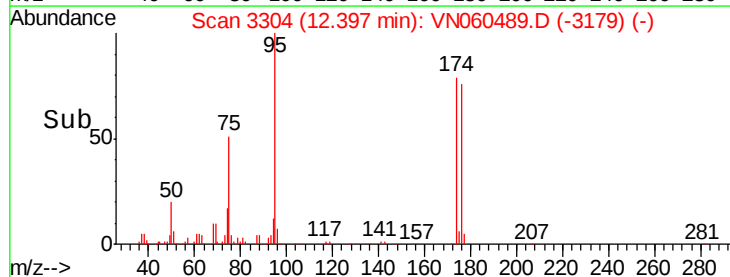
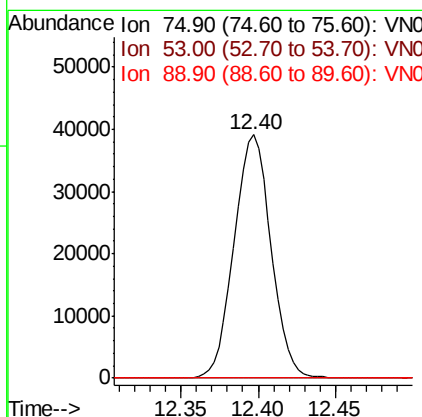
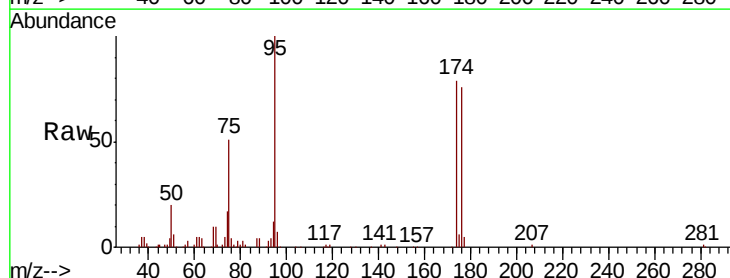
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01

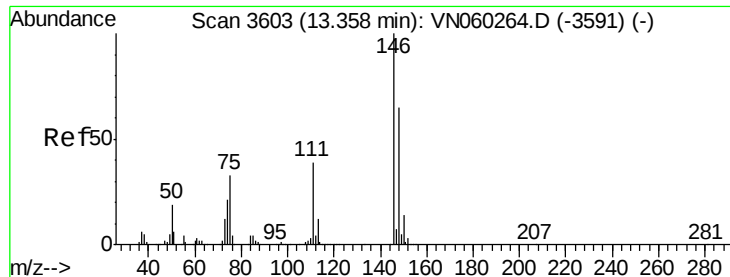
Tot Ion: 75 Resp: 64832
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.734 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060489.D
 Acq: 13 Mar 2020 9:47

Tgt Ion: 75 Resp: 64832
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

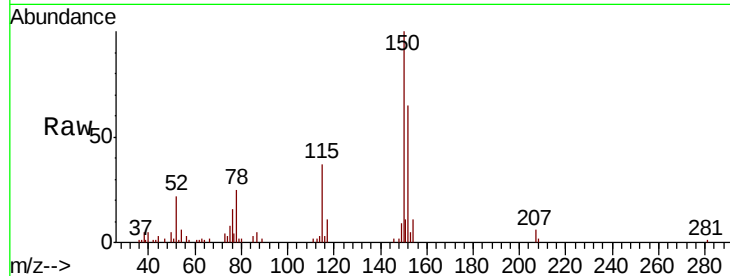




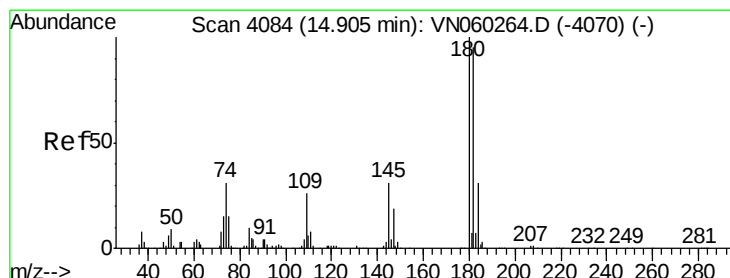
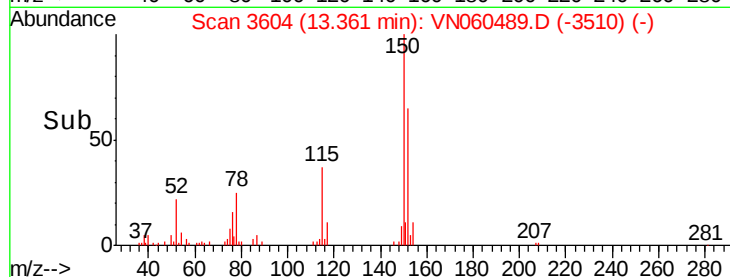
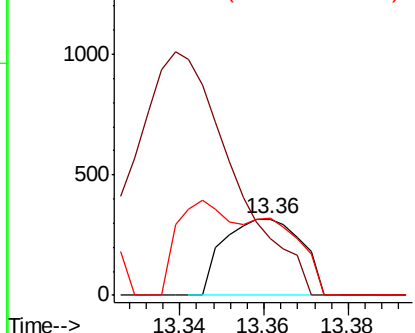
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060489.D
 Acq: 13 Mar 2020 9:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0313MBL01

Tot Ion:146 Resp: 403
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.8 59.4#
 148 0.0 32.3 96.9#

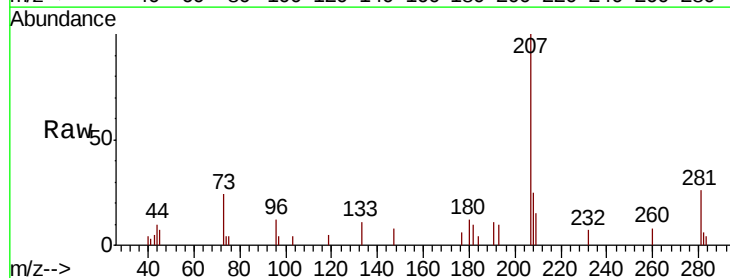


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

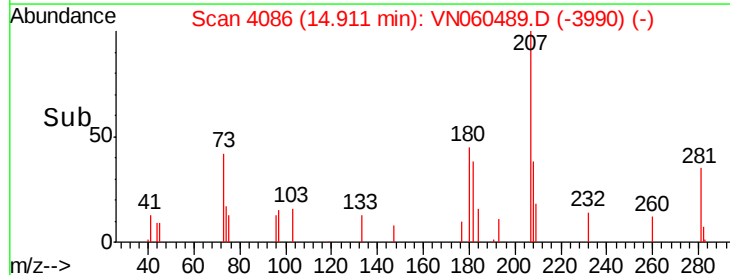
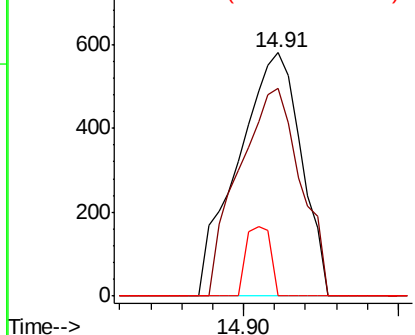


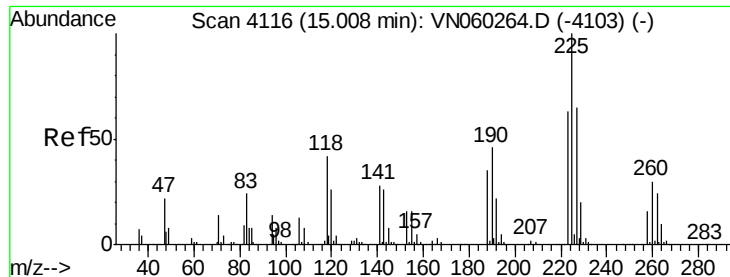
#93
 1,2,4-Trichlorobenzene
 Concen: 0.451 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060489.D
 Acq: 13 Mar 2020 9:47

Tgt Ion:180 Resp: 825
 Ion Ratio Lower Upper
 180 100
 182 83.3 47.8 143.3
 145 11.2 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

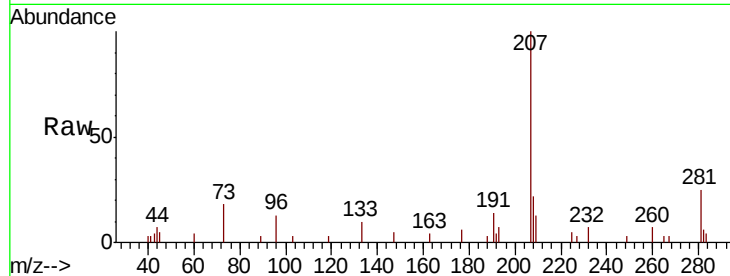




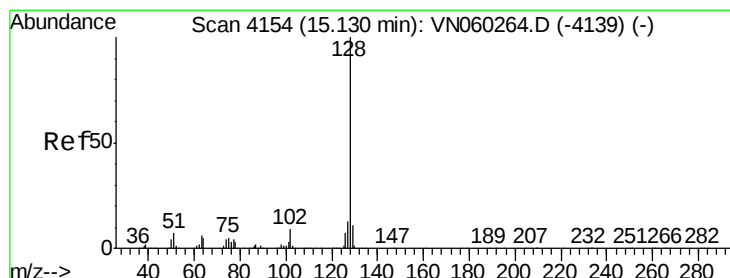
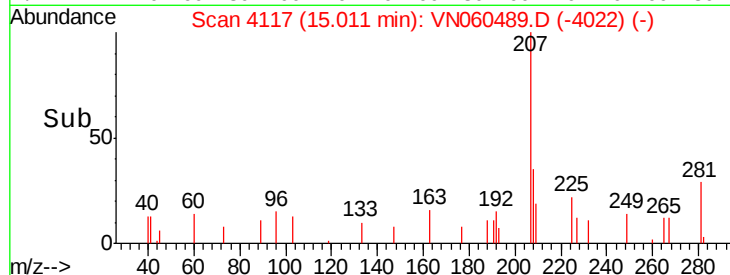
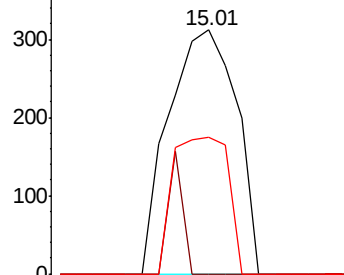
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN060489.D
Acq: 13 Mar 2020 9:47

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

Tot Ion	Ratio	Lower	Upper
225	100		
223	10.6	31.3	93.9#
227	45.8	32.3	96.9

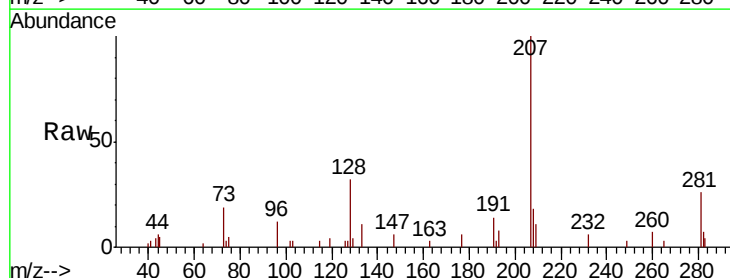


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

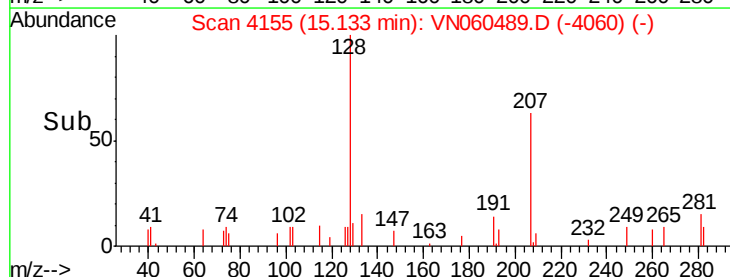
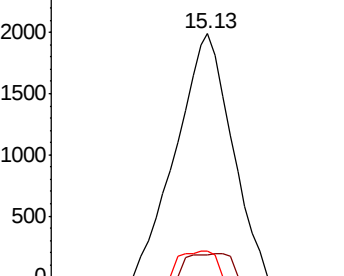


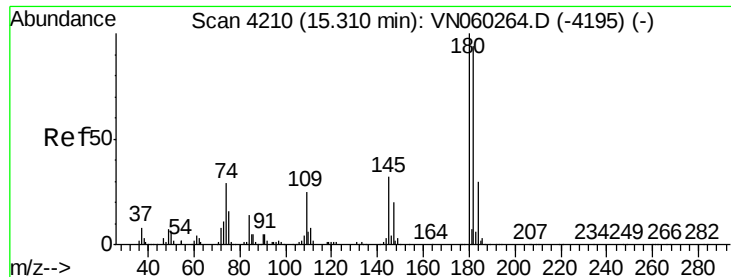
#95
Naphthalene
Concen: 0.219 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN060489.D
Acq: 13 Mar 2020 9:47

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.4	10.4	15.6#
129	6.8	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

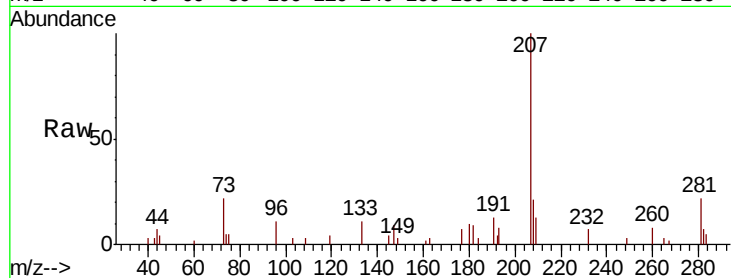




#96
 1,2,3-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060489.D
 Acq: 13 Mar 2020 9:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.3	142.0
145	32.7	16.2	48.5



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

