

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058776.D
 Acq On : 15 Oct 2019 12:58
 Operator : JC/SP
 Sample : K5111-09 0.5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Quant Time: Oct 16 04:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	408444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	671527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	331598	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	
35) Dibromofluoromethane	7.57	113	236342	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
50) Toluene-d8	10.08	98	876372	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.40	95	292525	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	2602	0.512	ug/l	91
3) Chloromethane	2.04	50	3979	0.658	ug/l	93
4) Vinyl Chloride	2.17	62	3363	0.558	ug/l	97
5) Bromomethane	2.54	94	2689	0.734	ug/l	92
6) Chloroethane	2.68	64	2469	0.664	ug/l #	74
7) Trichlorofluoromethane	3.00	101	4265	0.592	ug/l	97
8) Diethyl Ether	3.39	74	1544	0.580	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2223	0.541	ug/l	98
10) Methyl Iodide	3.93	142	2809	0.501	ug/l #	92
11) Tert butyl alcohol	4.76	59	2572	2.777	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	2258	0.576	ug/l #	66
13) Acrolein	3.59	56	2035	2.732	ug/l #	76
14) Allyl chloride	4.30	41	3427	0.433	ug/l #	73
15) Acrylonitrile	4.97	53	6432	2.754	ug/l #	64
16) Acetone	3.80	43	7779	3.286	ug/l	99
17) Carbon Disulfide	4.03	76	8141	0.649	ug/l	98
18) Methyl Acetate	4.31	43	5112	0.851	ug/l #	73
19) Methyl tert-butyl Ether	5.01	73	4478	0.320	ug/l	99
20) Methylene Chloride	4.53	84	3473	0.702	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	2565	0.585	ug/l	85
22) Diisopropyl ether	5.92	45	4203	0.273	ug/l #	68
23) Vinyl Acetate	5.88	43	30841	2.483	ug/l	97
24) 1,1-Dichloroethane	5.82	63	2876	0.328	ug/l #	85
25) 2-Butanone	6.82	43	10770	3.148	ug/l	98
26) 2,2-Dichloropropane	6.80	77	5103	0.638	ug/l #	71
27) cis-1,2-Dichloroethene	6.81	96	3086	0.603	ug/l	80
28) Bromochloromethane	7.17	49	791	0.259	ug/l #	1
29) Tetrahydrofuran	7.19	42	5734	2.593	ug/l #	72
30) Chloroform	7.36	83	5720	0.649	ug/l	100
31) Cyclohexane	7.64	56	13338	1.590	ug/l #	28
32) 1,1,1-Trichloroethane	7.55	97	4106	0.547	ug/l #	49
36) 1,1-Dichloropropene	7.79	75	3614	0.532	ug/l	94
37) Ethyl Acetate	6.91	43	4655	0.678	ug/l #	75
38) Carbon Tetrachloride	7.75	117	4035	0.610	ug/l	88

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	4165	0.529	ug/l	85
40) Benzene	8.02	78	10917	0.560	ug/l #	87
41) Methacrylonitrile	7.20	41	6125	1.906	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	5132	0.685	ug/l	83
43) Isopropyl Acetate	8.15	43	6244	0.534	ug/l #	87
44) Trichloroethene	8.82	130	2554	0.527	ug/l	96
45) 1,2-Dichloropropane	9.10	63	1591	0.305	ug/l #	76
46) Dibromomethane	9.20	93	1850	0.559	ug/l	95
47) Bromodichloromethane	9.39	83	3599	0.534	ug/l	93
48) Methyl methacrylate	9.19	41	2895	0.546	ug/l	89
49) 1,4-Dioxane	9.19	88	990	12.069	ug/l #	82
51) 4-Methyl-2-Pentanone	9.98	43	16361	2.490	ug/l	98
52) Toluene	10.15	92	6478	0.543	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	4895	0.633	ug/l #	66
54) cis-1,3-Dichloropropene	9.83	75	4356	0.531	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	2926	0.599	ug/l	89
56) Ethyl methacrylate	10.43	69	3125	0.438	ug/l	86
57) 1,3-Dichloropropane	10.71	76	4306	0.518	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.69	63	8381	2.439	ug/l	97
59) 2-Hexanone	10.75	43	12353	2.433	ug/l	96
60) Dibromochloromethane	10.90	129	2383	0.473	ug/l	93
61) 1,2-Dibromoethane	11.01	107	2615	0.535	ug/l	95
64) Tetrachloroethene	10.63	164	2477	0.587	ug/l	93
65) Chlorobenzene	11.43	112	6612	0.540	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	2451	0.542	ug/l #	51
67) Ethyl Benzene	11.51	91	11046	0.506	ug/l	92
68) m/p-Xylenes	11.62	106	8333	1.018	ug/l	92
69) o-Xylene	11.95	106	3969	0.501	ug/l	95
70) Styrene	11.96	104	5779	0.445	ug/l	99
71) Bromoform	12.13	173	1695	0.511	ug/l #	90
73) Isopropylbenzene	12.25	105	9673	0.540	ug/l	97
74) N-amyl acetate	12.07	43	3914	0.486	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	3571	0.605	ug/l #	91
76) 1,2,3-Trichloropropane	12.56	75	6182	1.139	ug/l #	100
77) Bromobenzene	12.53	156	2865	0.657	ug/l	94
78) n-propylbenzene	12.60	91	12186	0.584	ug/l	97
79) 2-Chlorotoluene	12.68	91	7739	0.597	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	8535	0.558	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	160511	79.227	ug/l #	11
82) 4-Chlorotoluene	12.78	91	7430	0.559	ug/l	97
83) tert-Butylbenzene	13.00	119	7073	0.540	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	8000	0.527	ug/l	98
85) sec-Butylbenzene	13.18	105	8804	0.510	ug/l	96
86) p-Isopropyltoluene	13.29	119	7413	0.472	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	4548	0.566	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	4548	0.557	ug/l	98
89) n-Butylbenzene	13.62	91	7291	0.502	ug/l	96
90) Hexachloroethane	13.88	117	1641	0.584	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	4731	0.604	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	951	0.690	ug/l #	64

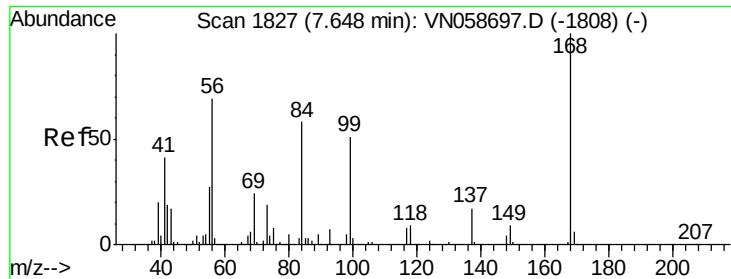
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	2538	0.531	ug/l	89
94) Hexachlorobutadiene	15.02	225	1540	0.612	ug/l	95
95) Naphthalene	15.13	128	7052	0.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	2496	0.535	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

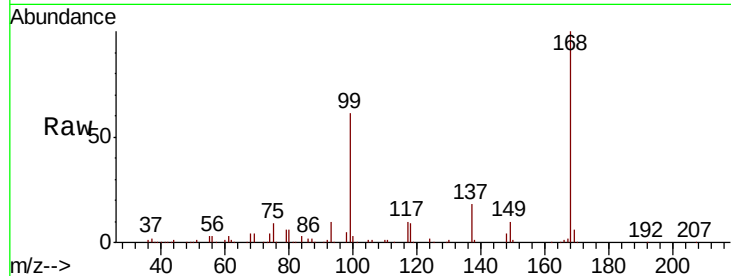
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:168 Resp: 408444

Ion Ratio Lower Upper

168 100

99 60.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

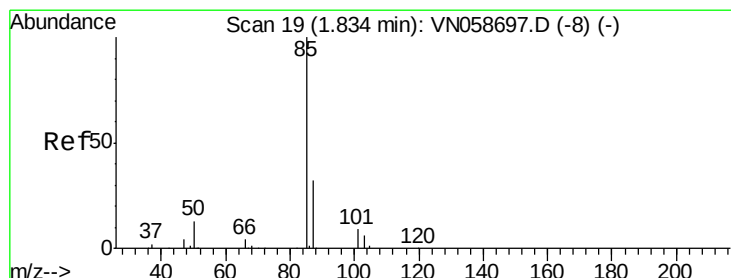
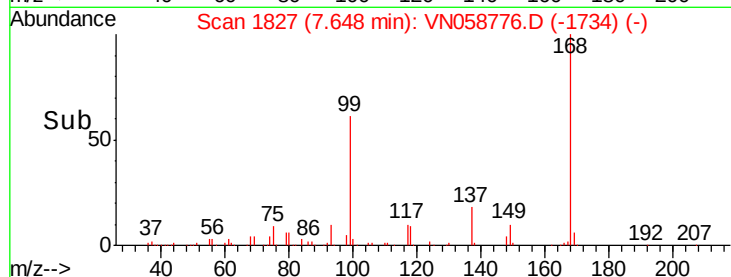
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.512 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058776.D

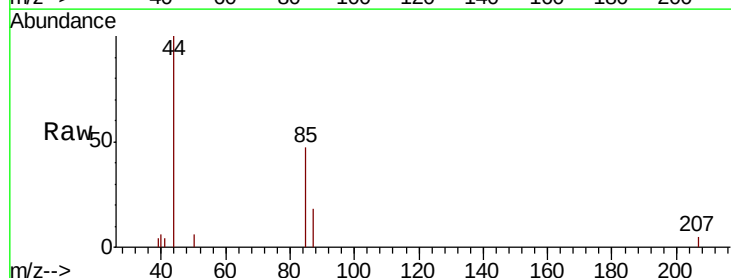
Acq: 15 Oct 2019 12:58

Tgt Ion: 85 Resp: 2602

Ion Ratio Lower Upper

85 100

87 37.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

2000

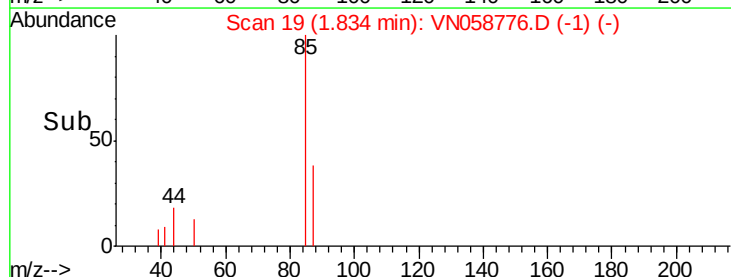
1500

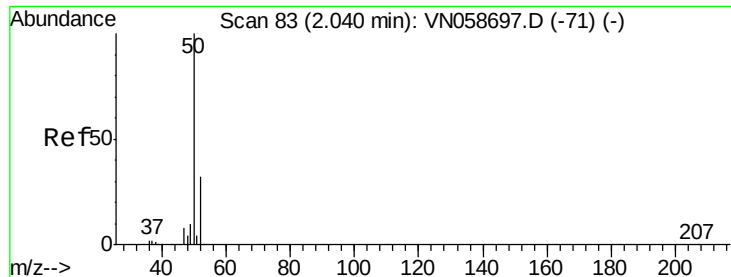
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.658 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

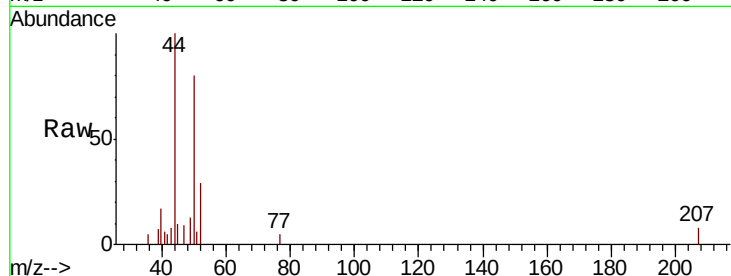
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 50 Resp: 3979

Ion Ratio Lower Upper

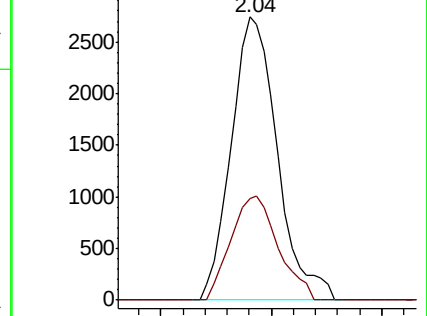
50 100

52 35.9 25.8 38.6

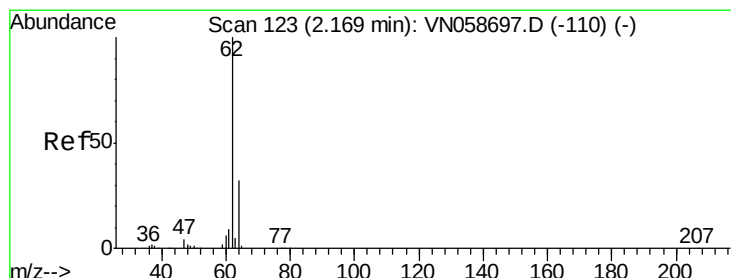
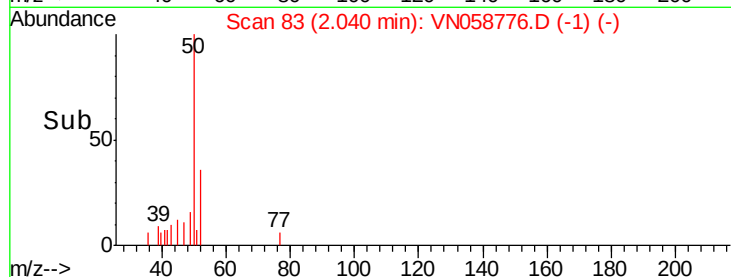


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 0.558 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058776.D

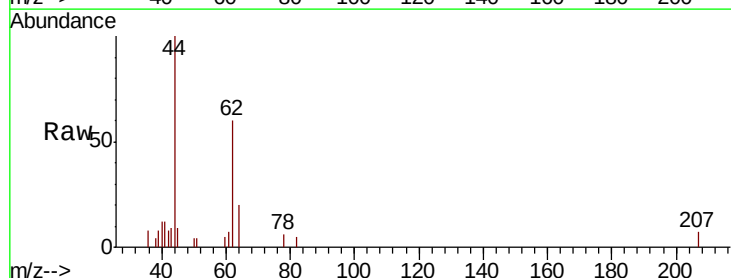
Acq: 15 Oct 2019 12:58

Tgt Ion: 62 Resp: 3363

Ion Ratio Lower Upper

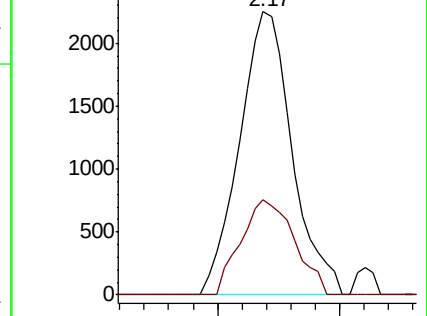
62 100

64 33.4 25.3 37.9

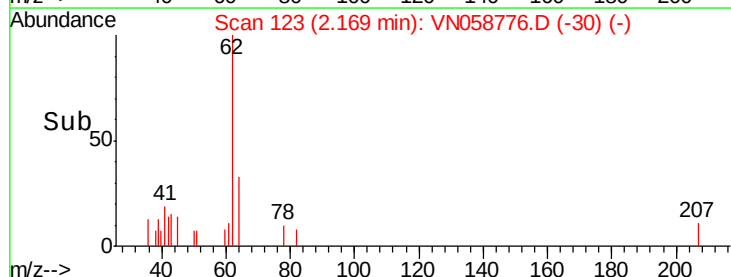


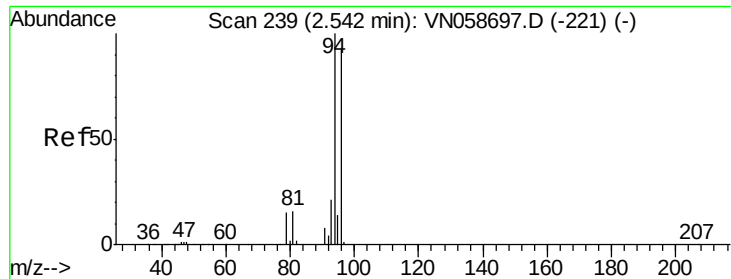
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 0.734 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

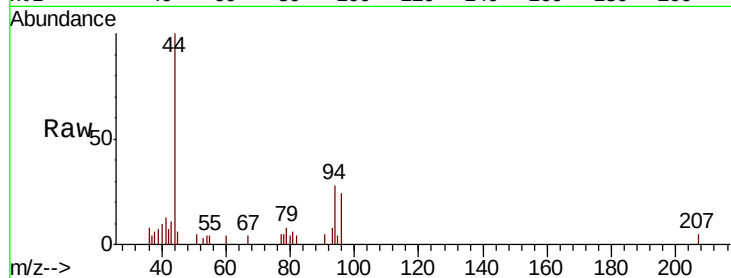
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 94 Resp: 2689

Ion Ratio Lower Upper

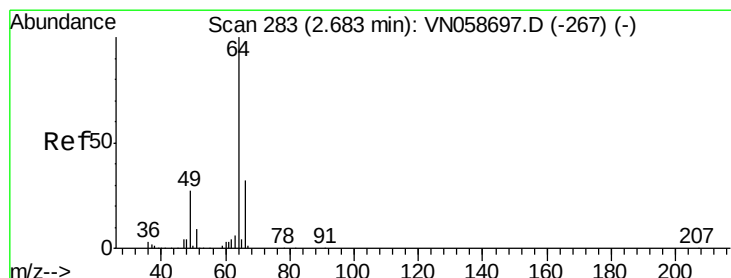
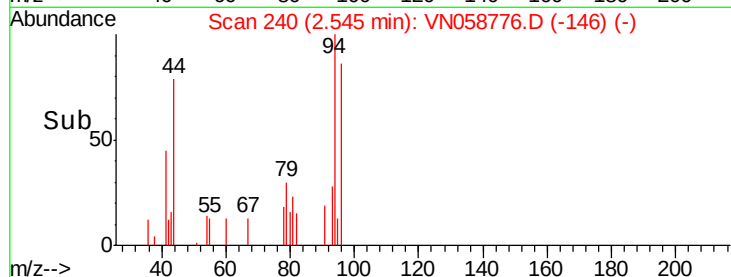
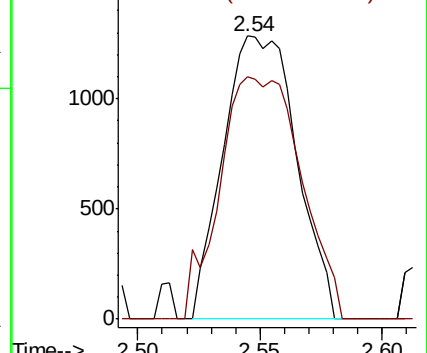
94 100

96 85.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.664 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058776.D

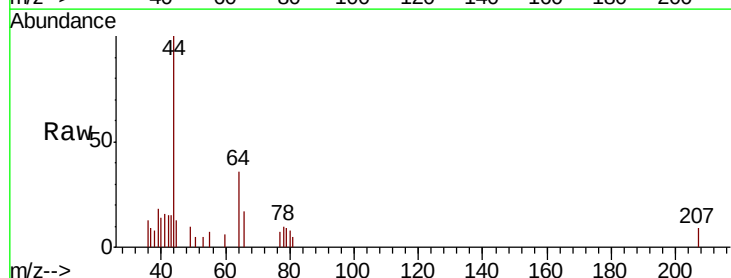
Acq: 15 Oct 2019 12:58

Tgt Ion: 64 Resp: 2469

Ion Ratio Lower Upper

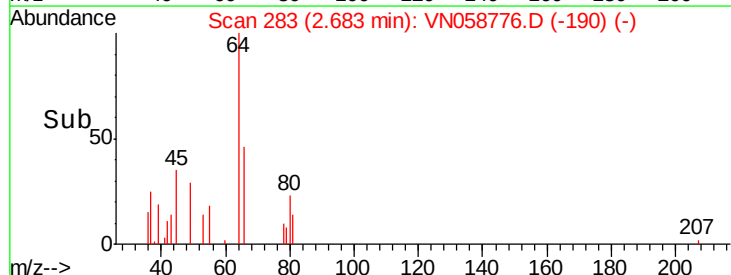
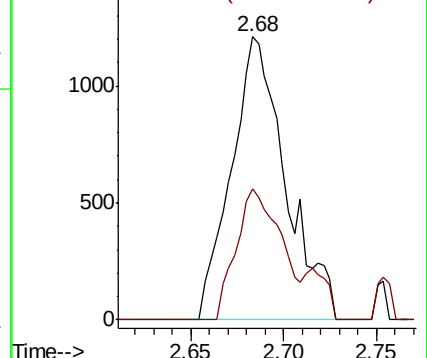
64 100

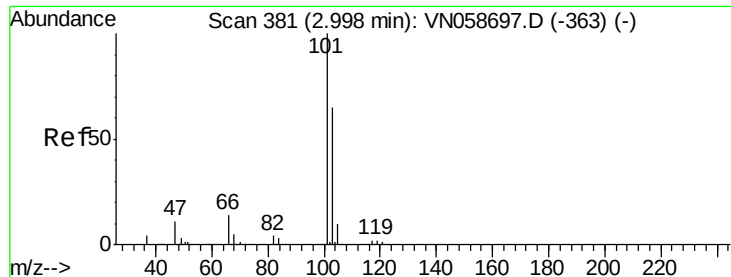
66 46.2 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



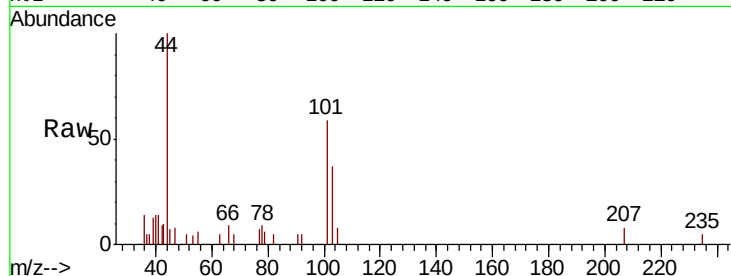


#7

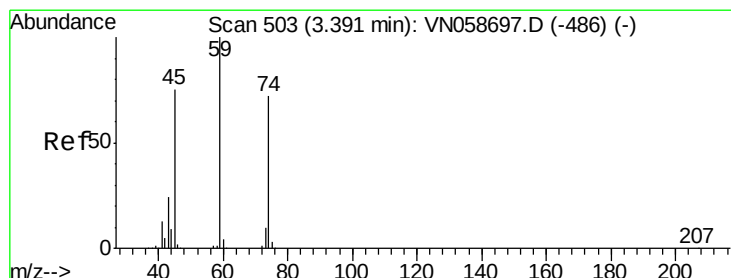
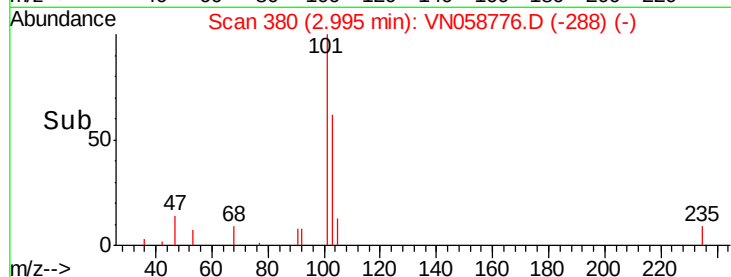
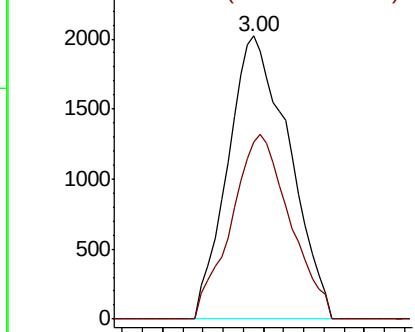
Trichlorofluoromethane
 Concen: 0.592 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Instrument :
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 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:101 Resp: 4265
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.8 77.6



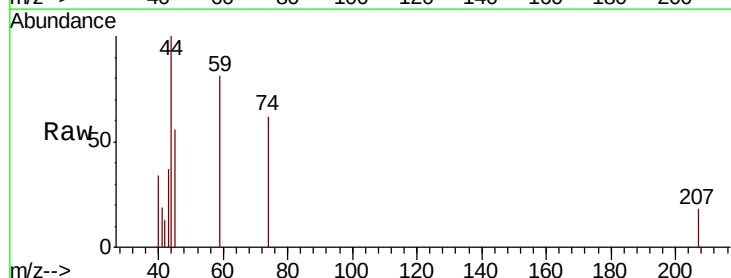
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



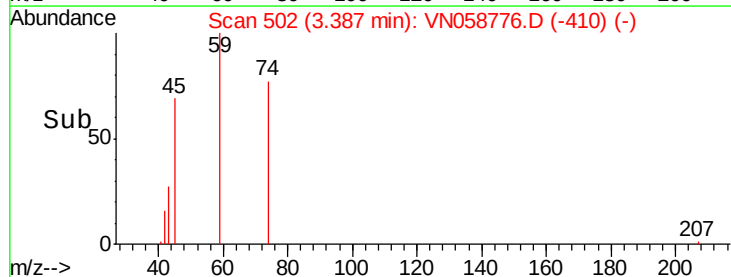
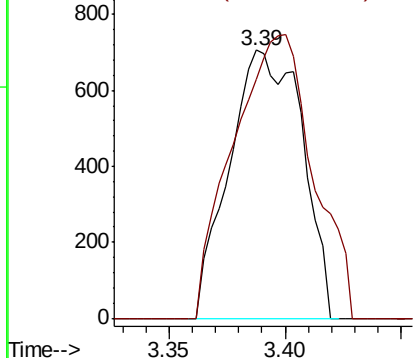
#8

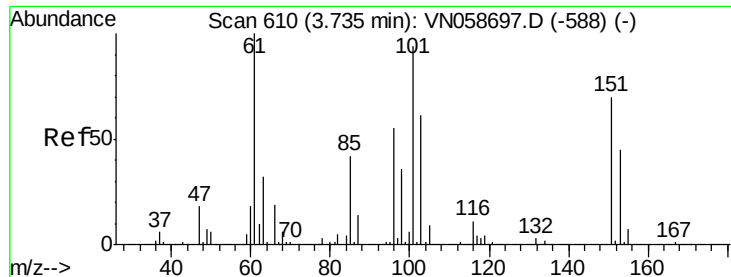
Diethyl Ether
 Concen: 0.580 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 74 Resp: 1544
 Ion Ratio Lower Upper
 74 100
 45 116.1 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.541 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

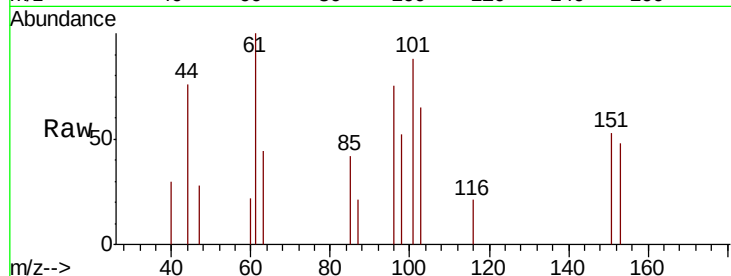
Tot Ion:101 Resp: 2223

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

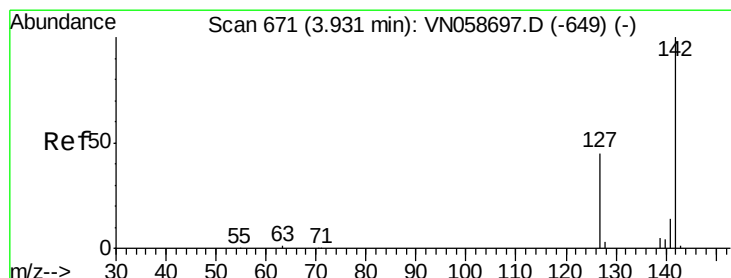
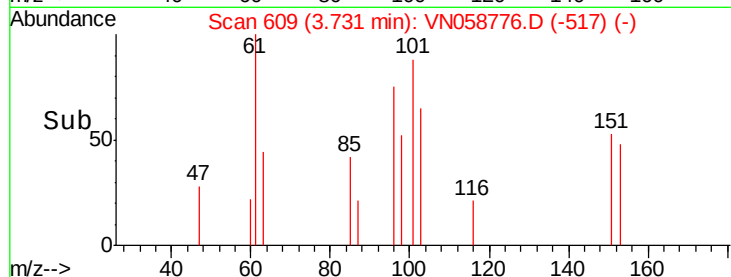
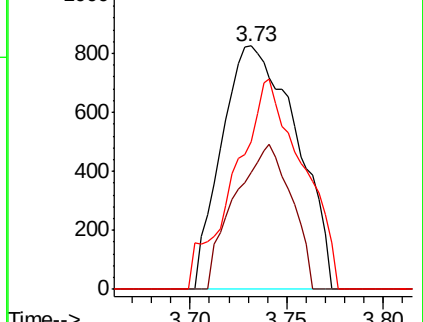
151 78.6 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.501 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

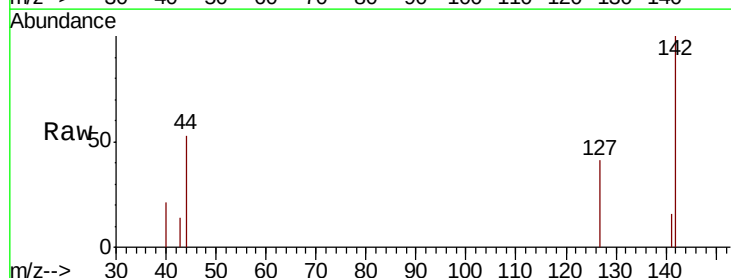
Tgt Ion:142 Resp: 2809

Ion Ratio Lower Upper

142 100

127 46.2 36.4 54.6

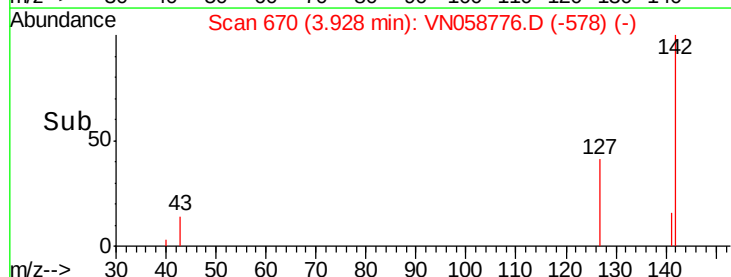
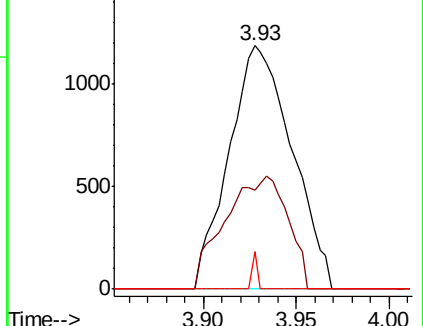
141 1.3 11.1 16.7#

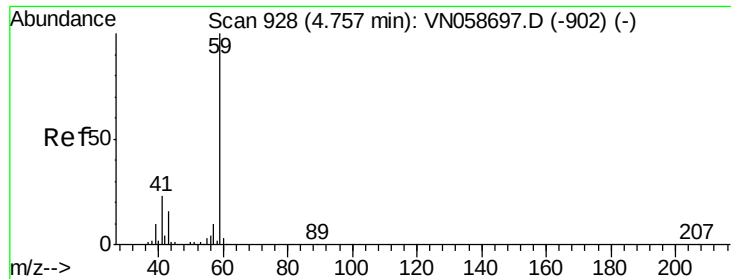


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



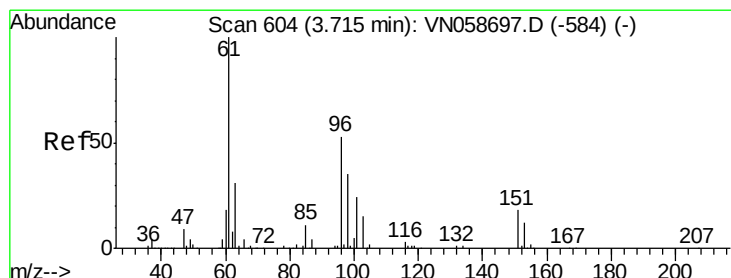
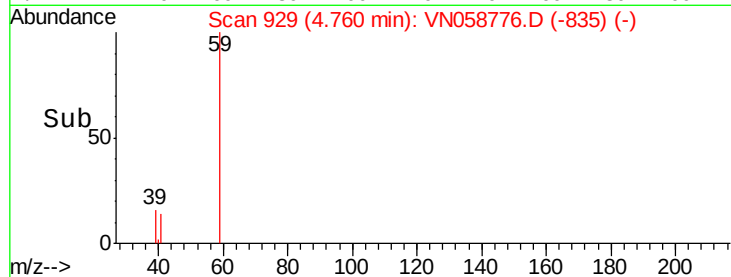
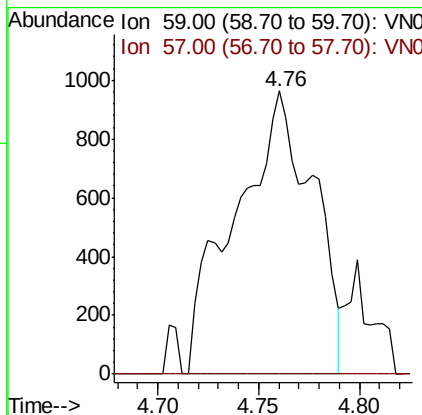
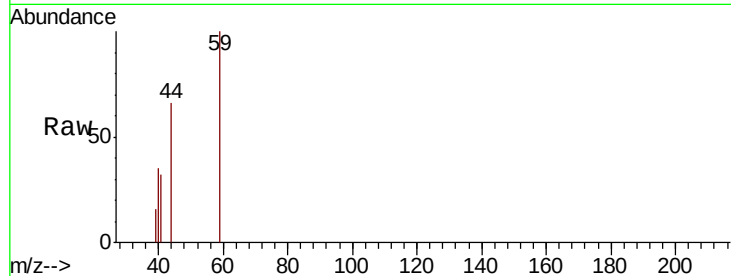


#11

Tert butyl alcohol
 Concen: 2.777 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

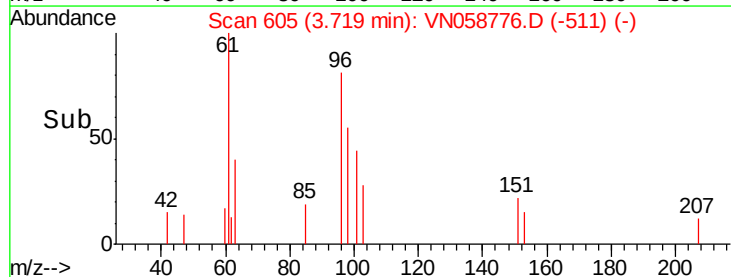
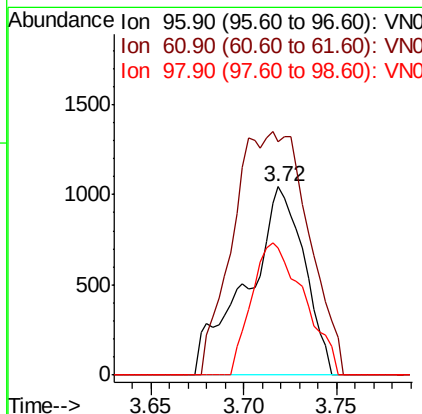
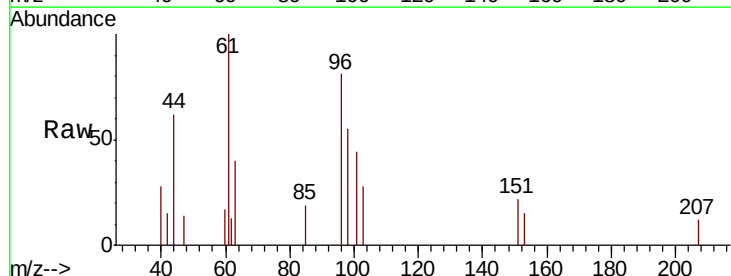
Tot Ion: 59 Resp: 2572
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

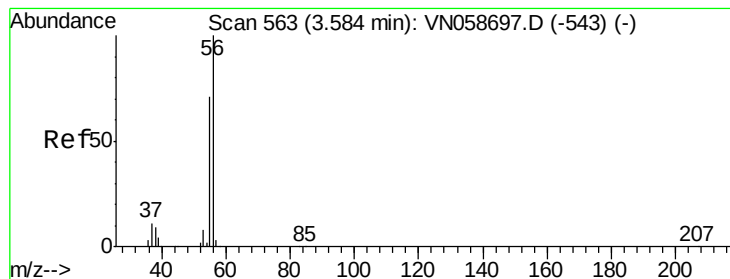


#12

1,1-Dichloroethene
 Concen: 0.576 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 96 Resp: 2258
 Ion Ratio Lower Upper
 96 100
 61 123.4 151.3 226.9#
 98 67.6 52.6 78.8





#13

Acrolein

Concen: 2.732 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

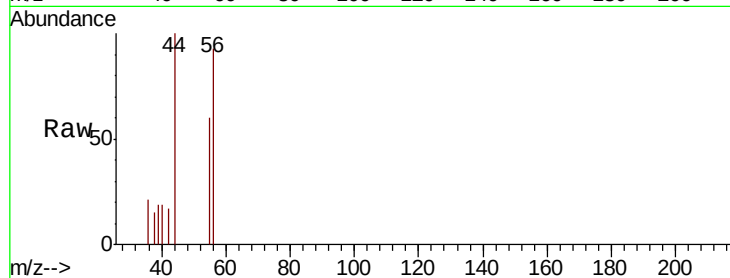
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 56 Resp: 2035

Ion Ratio Lower Upper

56 100

55 50.8 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

1000

800

600

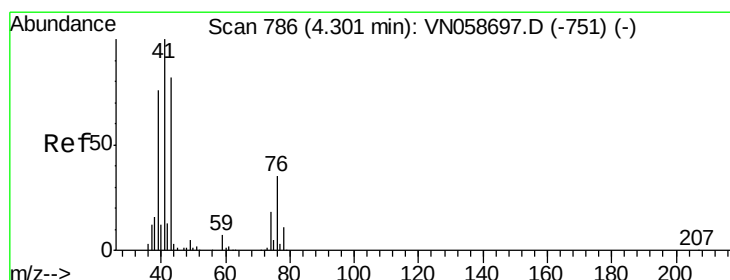
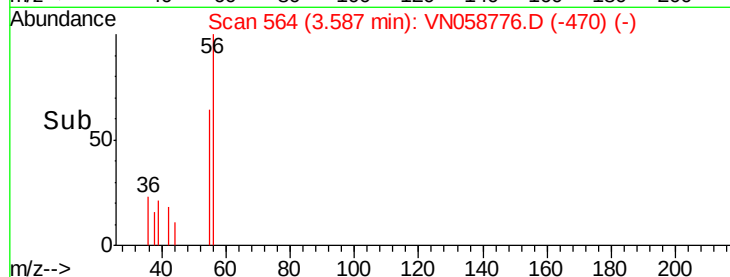
400

200

0

3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 0.433 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

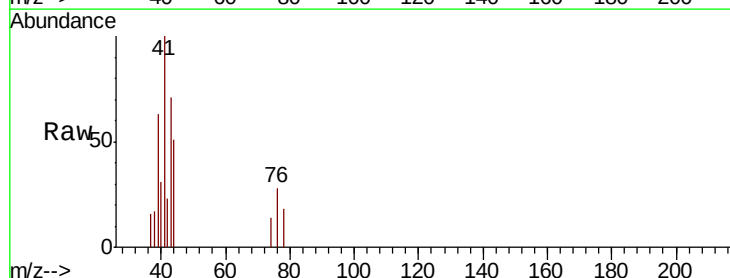
Tgt Ion: 41 Resp: 3427

Ion Ratio Lower Upper

41 100

39 103.2 57.2 85.8#

76 32.0 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

2000

1500

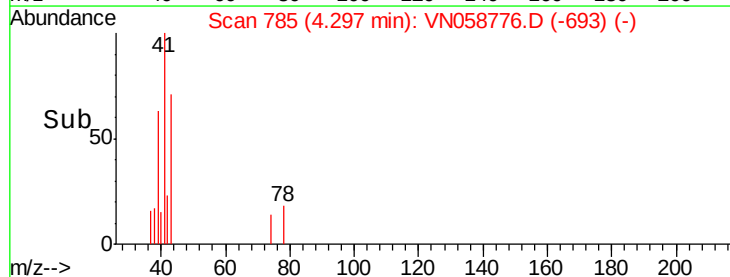
1000

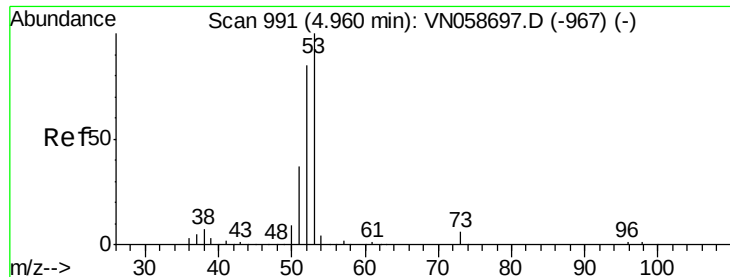
500

0

4.20 4.25 4.30

Time-->





#15

Acrylonitrile

Concen: 2.754 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

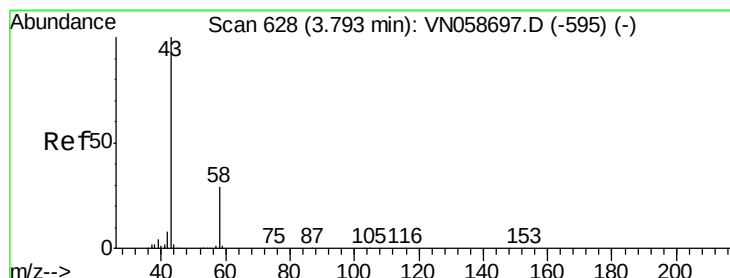
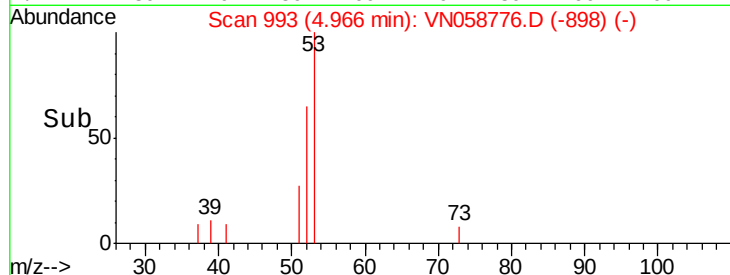
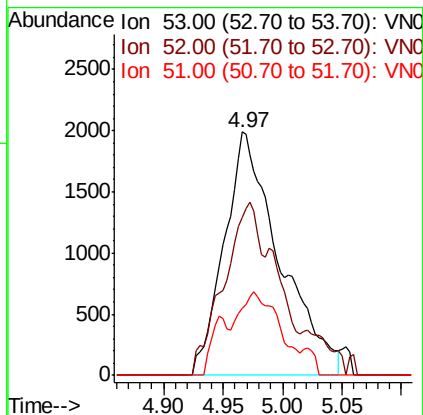
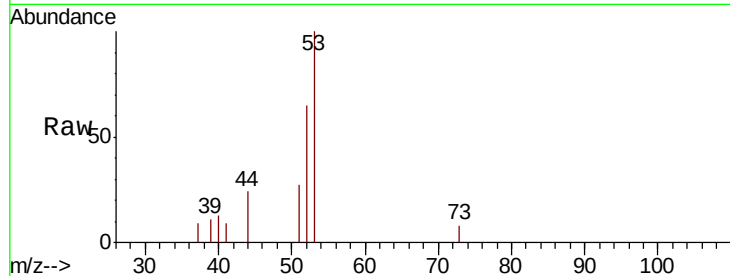
Tot Ion: 53 Resp: 6432

Ion Ratio Lower Upper

53 100

52 48.1 66.2 99.2#

51 18.6 29.4 44.2#



#16

Acetone

Concen: 3.286 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058776.D

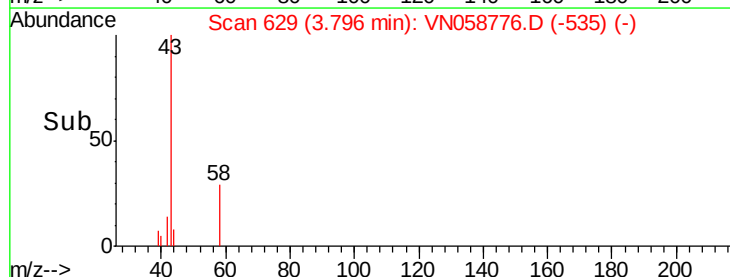
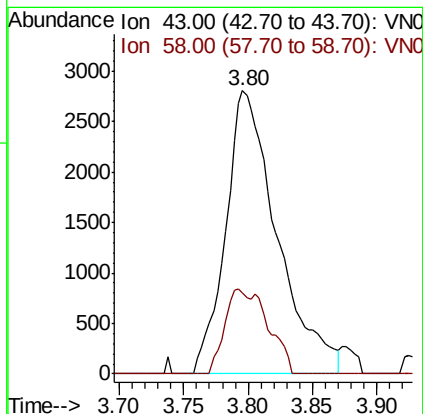
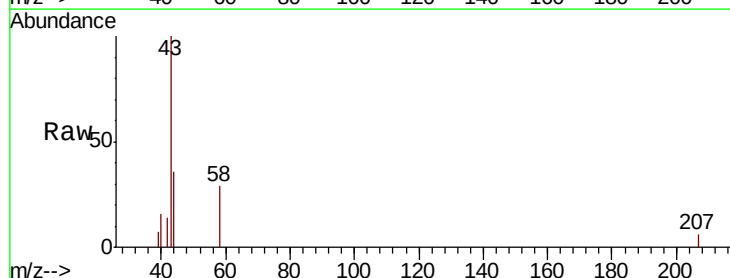
Acq: 15 Oct 2019 12:58

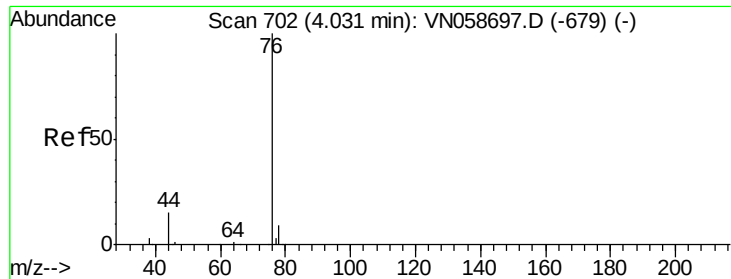
Tgt Ion: 43 Resp: 7779

Ion Ratio Lower Upper

43 100

58 28.7 23.3 34.9





#17

Carbon Disulfide

Concen: 0.649 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

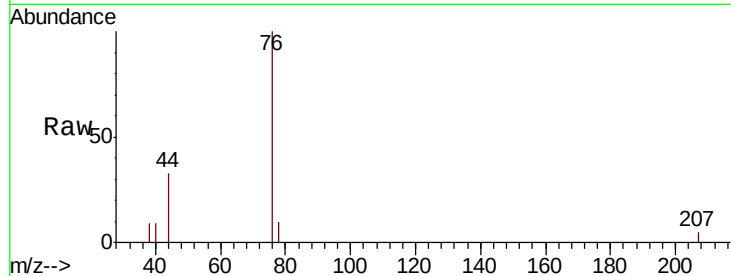
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 76 Resp: 8141

Ion Ratio Lower Upper

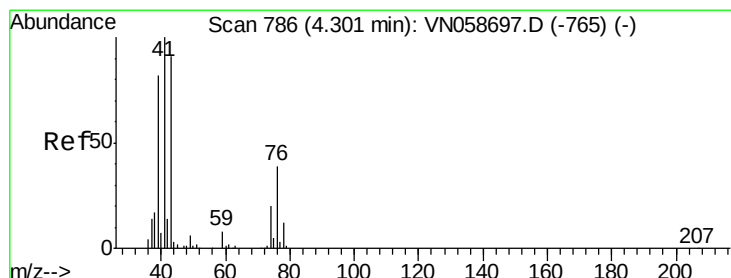
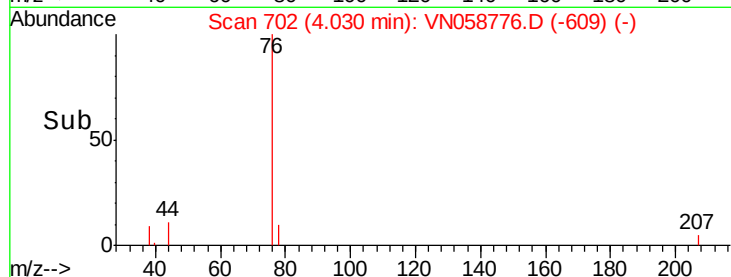
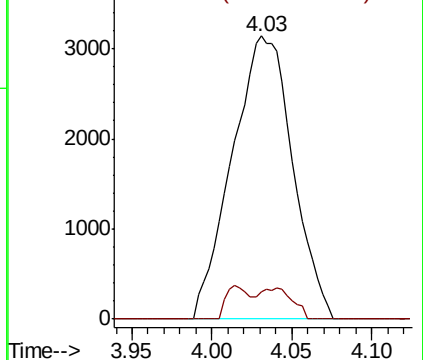
76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 0.851 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058776.D

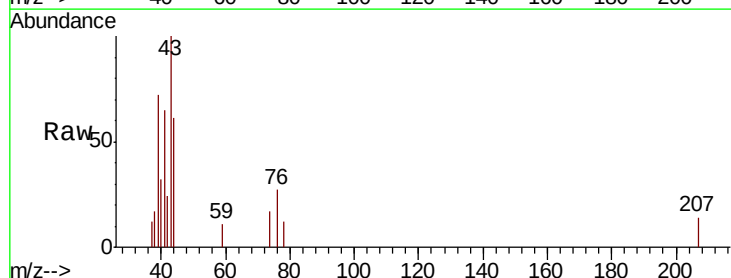
Acq: 15 Oct 2019 12:58

Tgt Ion: 43 Resp: 5112

Ion Ratio Lower Upper

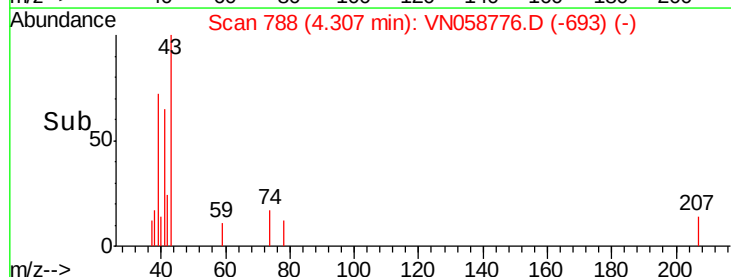
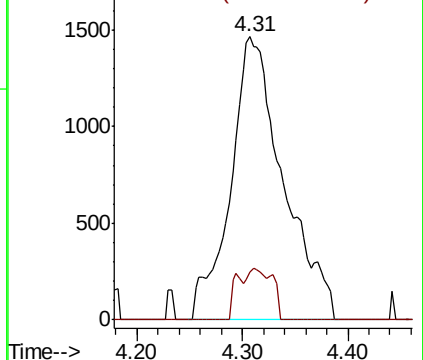
43 100

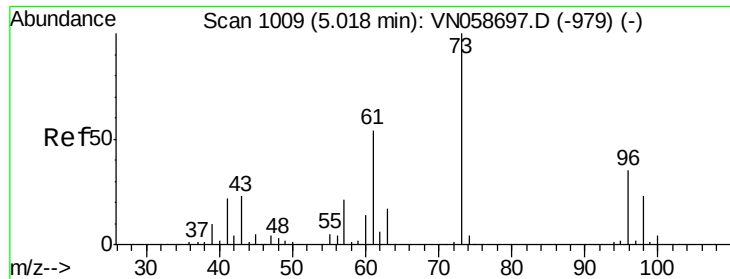
74 8.7 17.2 25.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

Methyl tert-butyl Ether

Concen: 0.320 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

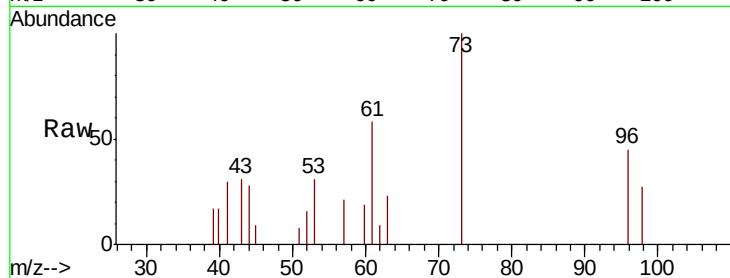
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 73 Resp: 4478

Ion Ratio Lower Upper

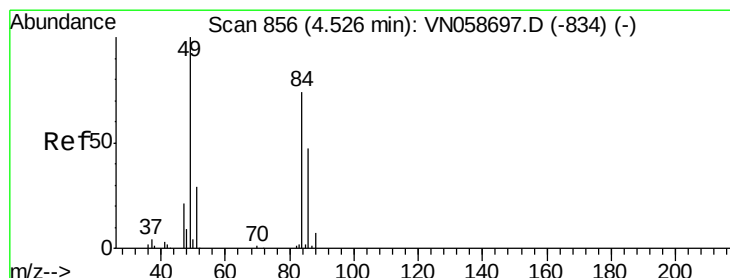
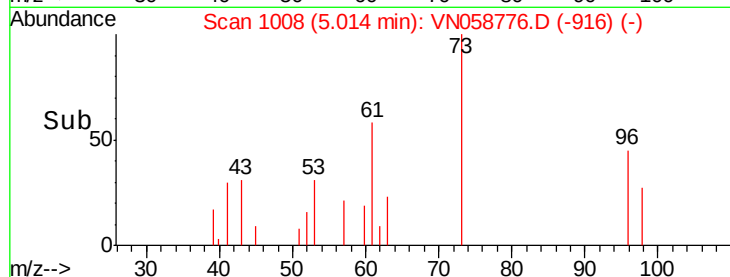
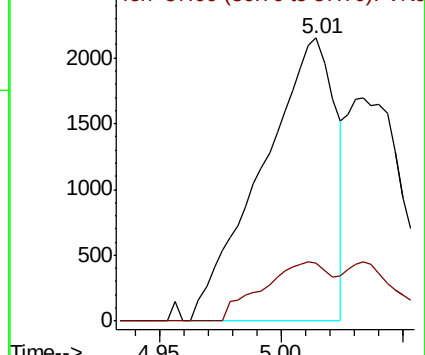
73 100

57 20.7 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 0.702 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Tgt Ion: 84 Resp: 3473

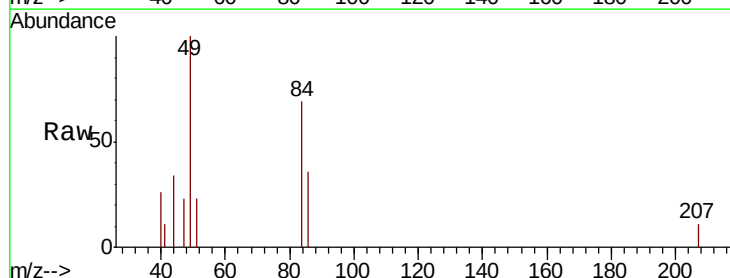
Ion Ratio Lower Upper

84 100

49 144.6 107.6 161.4

51 32.8 31.4 47.0

86 52.3 50.3 75.5

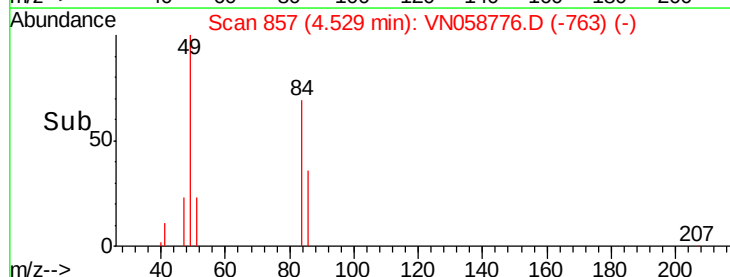
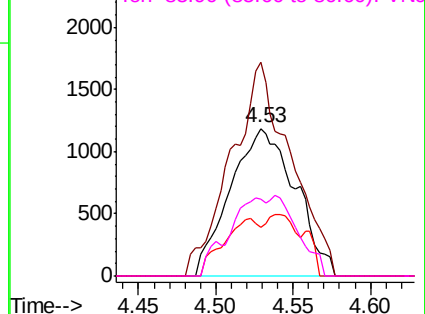


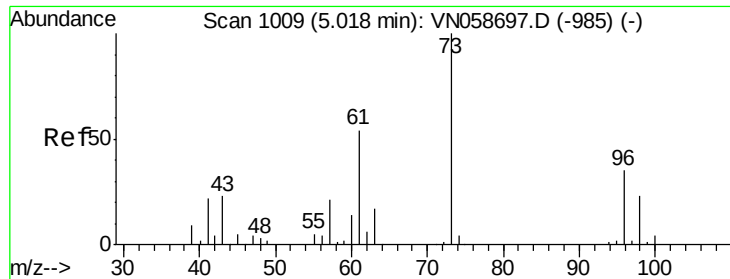
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

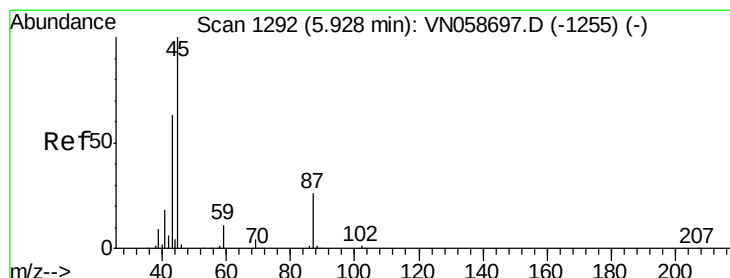
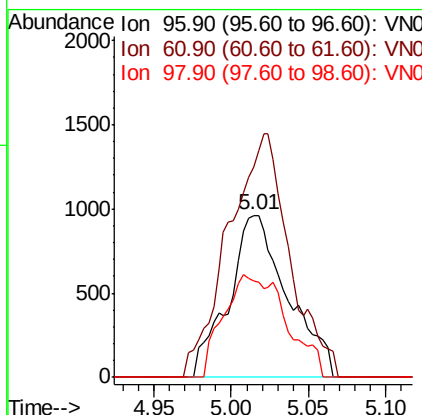
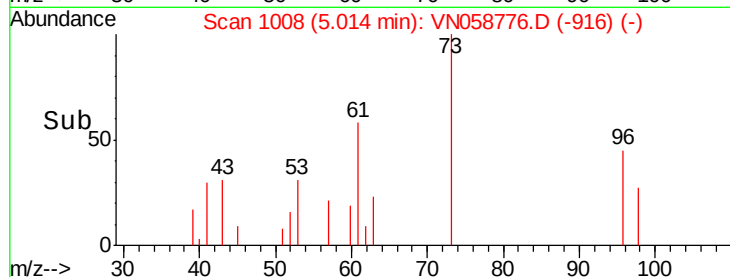
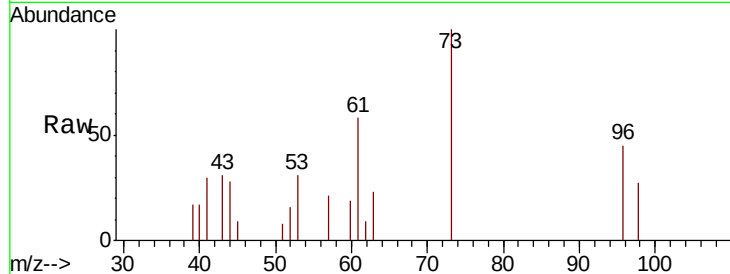




#21
trans-1,2-Dichloroethene
Concen: 0.585 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

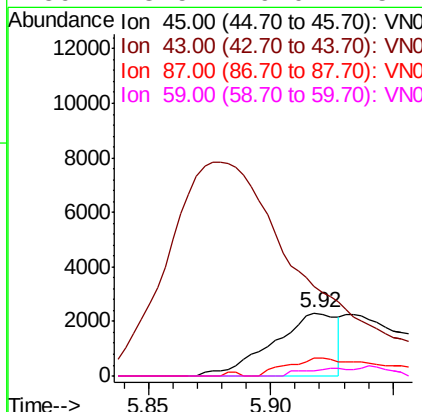
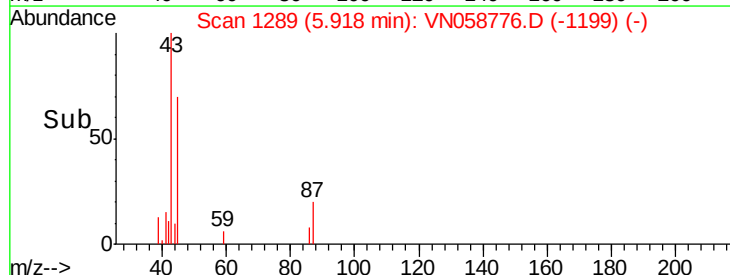
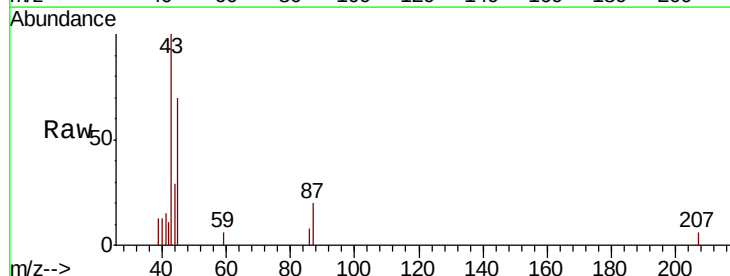
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

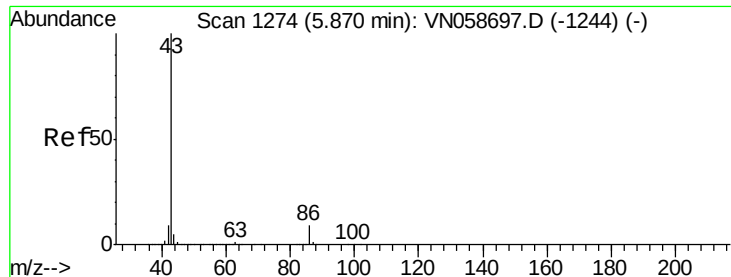
Tot Ion: 96 Resp: 2565
Ion Ratio Lower Upper
96 100
61 129.9 123.6 185.4
98 59.6 52.1 78.1



#22
Diisopropyl ether
Concen: 0.273 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 45 Resp: 4203
Ion Ratio Lower Upper
45 100
43 25.1 50.6 75.8#
87 27.9 21.1 31.7
59 8.5 9.0 13.4#





#23

Vinyl Acetate

Concen: 2.483 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

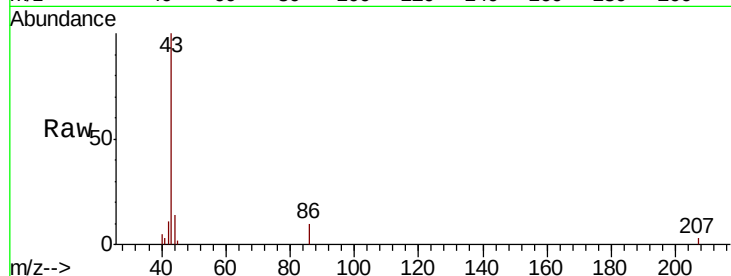
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 30841

Ion Ratio Lower Upper

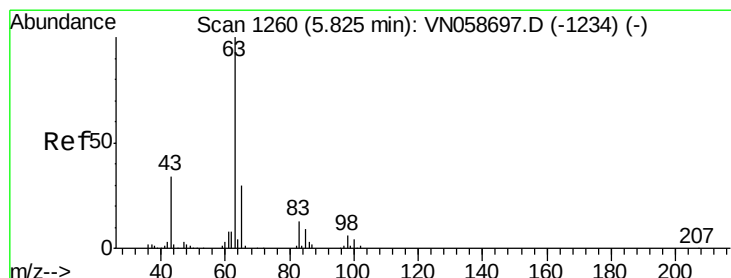
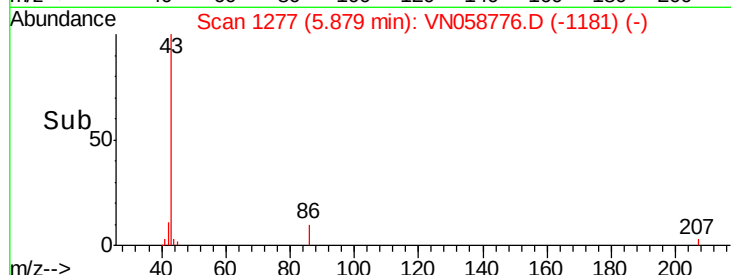
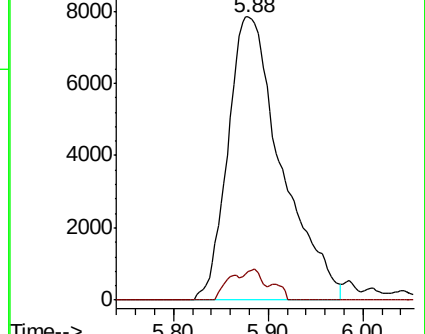
43 100

86 10.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058776.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058776.D (-1181) (-)



#24

1,1-Dichloroethane

Concen: 0.328 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

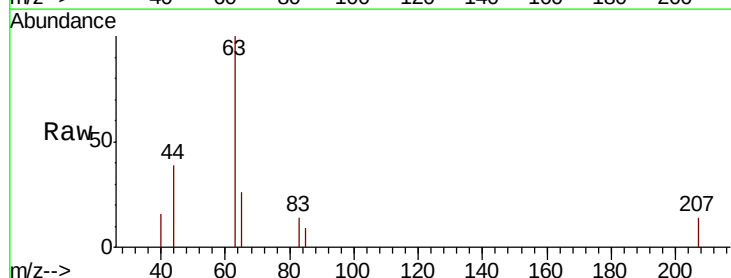
Tgt Ion: 63 Resp: 2876

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

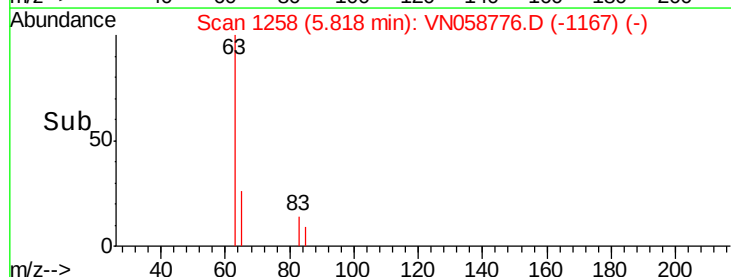
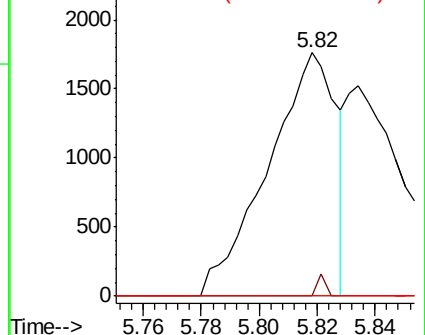
100 0.0 1.8 5.5#

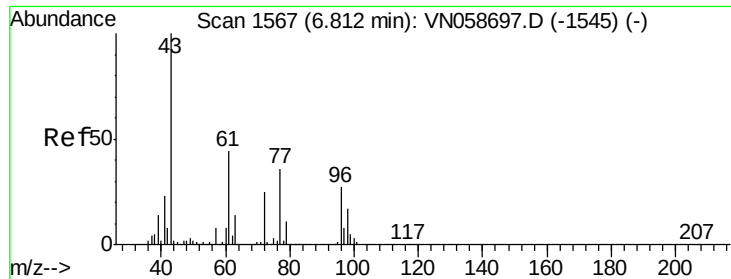


Abundance Ion 62.90 (62.60 to 63.60): VN058776.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058776.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058776.D (-1167) (-)

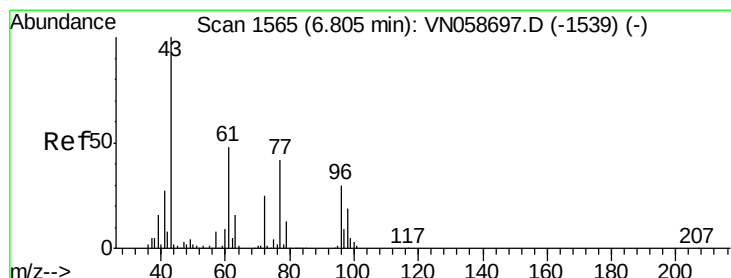
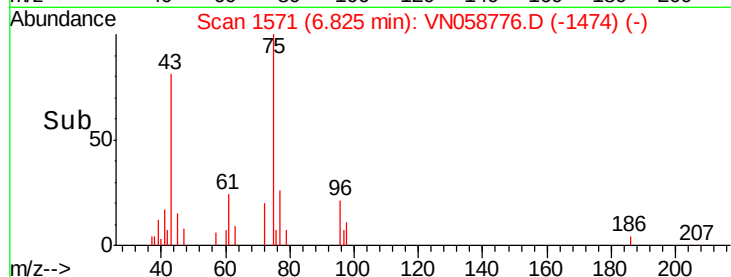
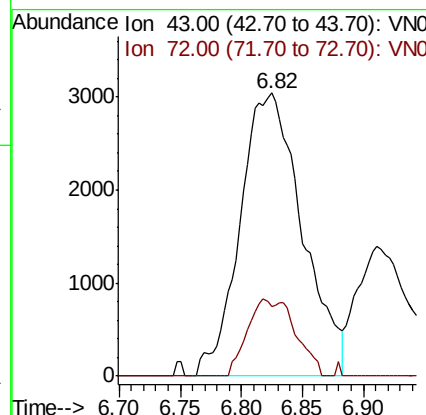
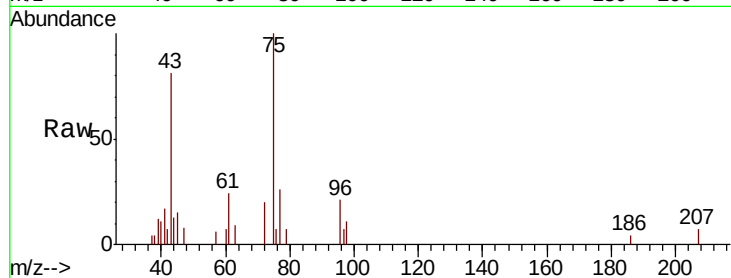




#25
 2-Butanone
 Concen: 3.148 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

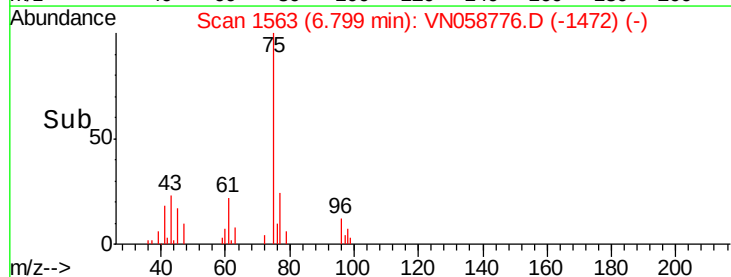
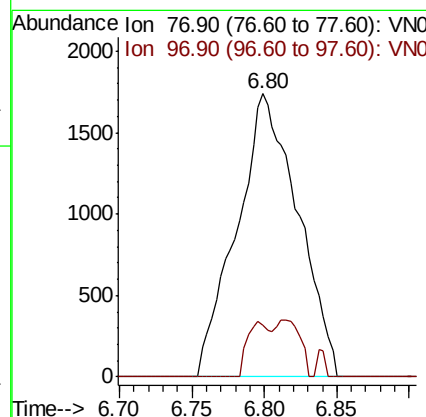
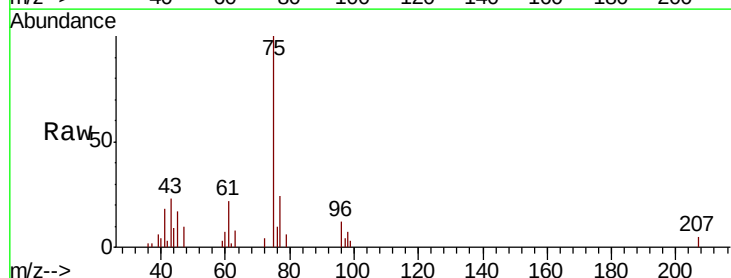
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

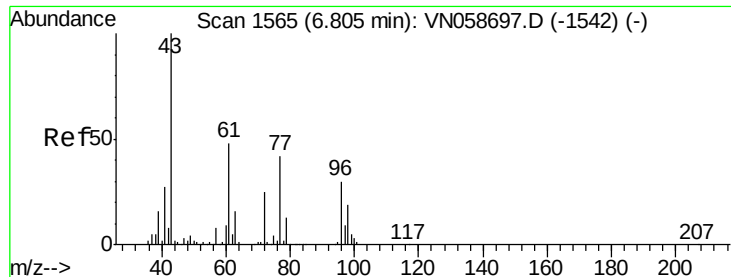
Tot Ion: 43 Resp: 10770
 Ion Ratio Lower Upper
 43 100
 72 24.4 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 0.638 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 77 Resp: 5103
 Ion Ratio Lower Upper
 77 100
 97 7.4 10.7 31.9#





#27

cis-1,2-Dichloroethene

Concen: 0.603 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

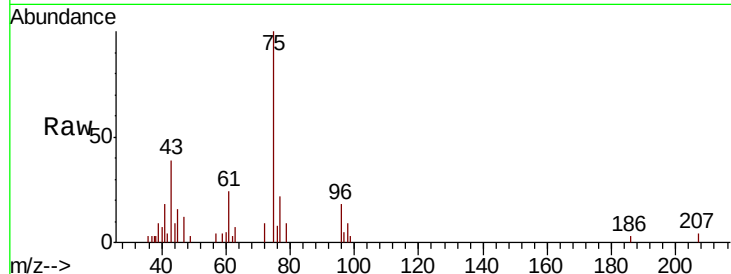
Tot Ion: 96 Resp: 3086

Ion Ratio Lower Upper

96 100

61 133.3 0.0 324.8

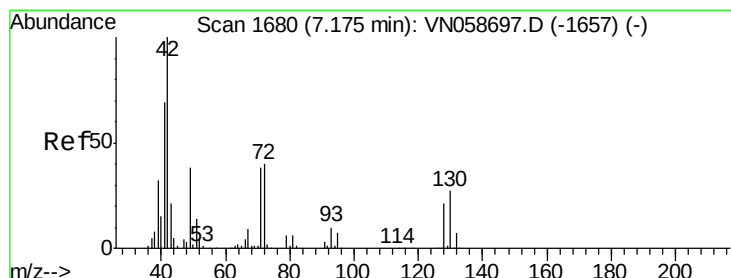
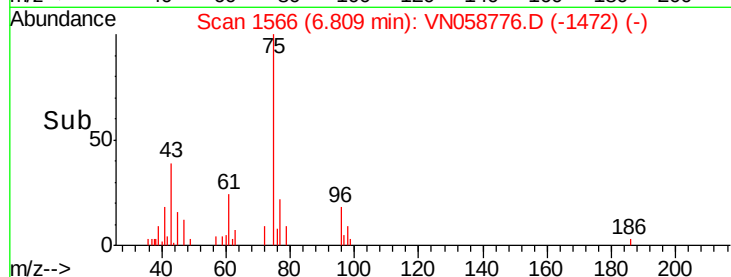
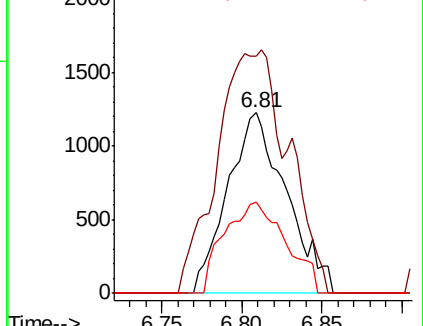
98 52.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058776.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058776.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058776.D (-1542) (-)



#28

Bromochloromethane

Concen: 0.259 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

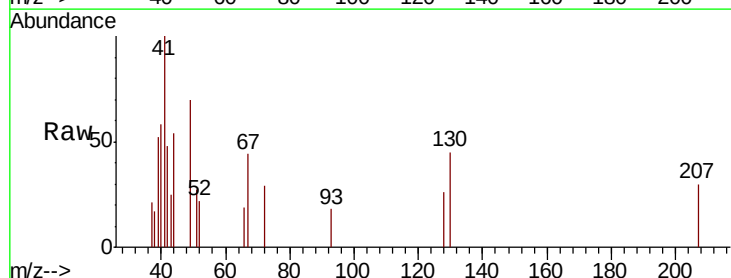
Tgt Ion: 49 Resp: 791

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

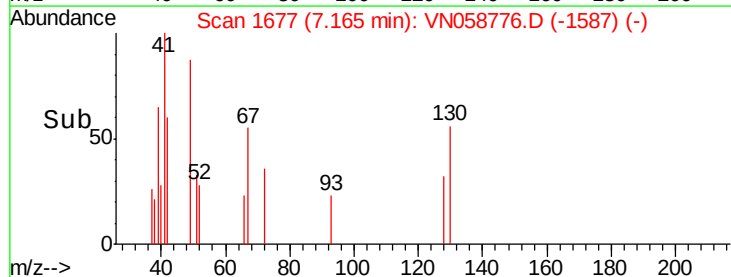
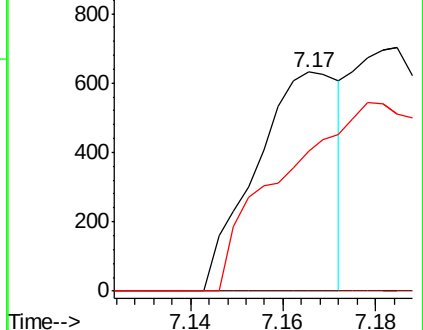
130 172.3 55.0 82.4#

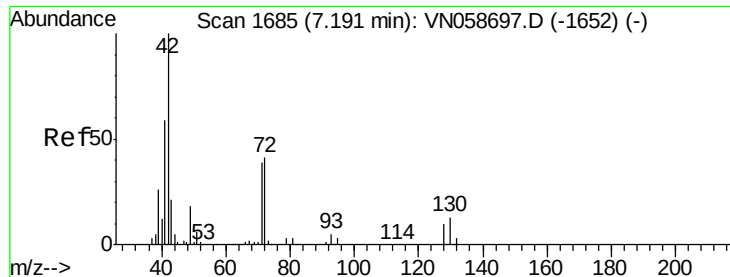


Abundance Ion 48.90 (48.60 to 49.60): VN058776.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN058776.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN058776.D (-1657) (-)

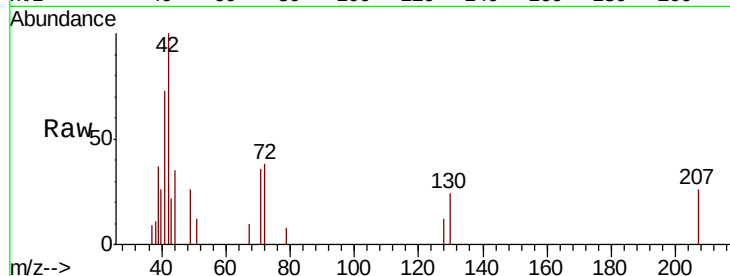




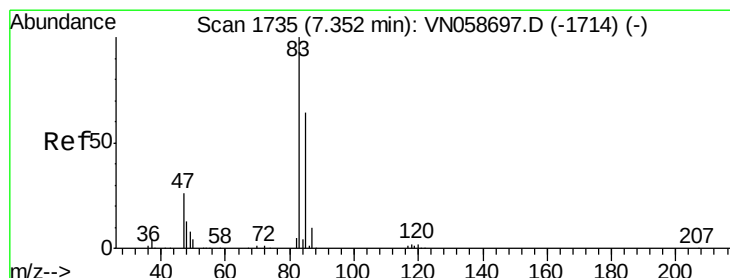
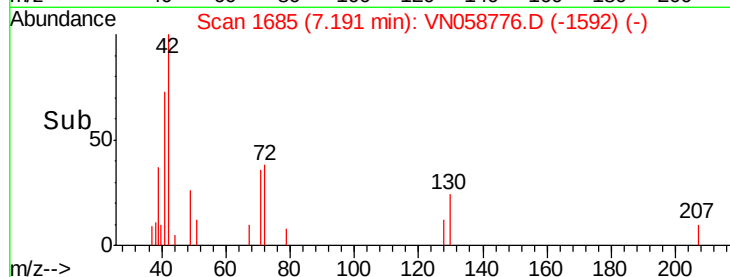
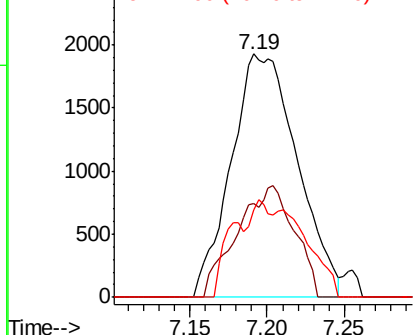
#29
Tetrahydrofuran
Concen: 2.593 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 42 Resp: 5734
Ion Ratio Lower Upper
42 100
72 39.8 32.8 49.2
71 5.0 31.1 46.7#

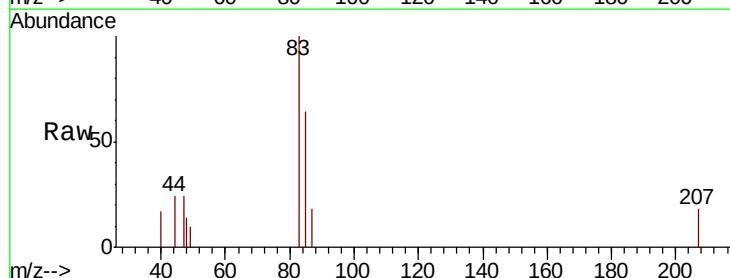


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

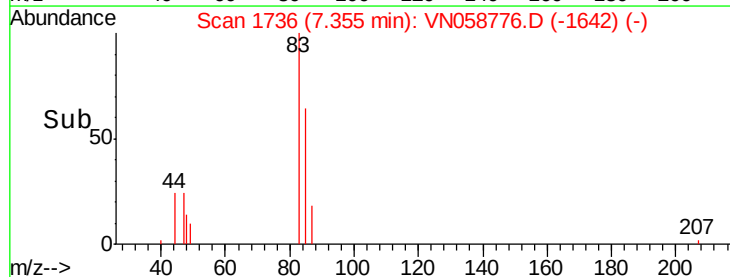
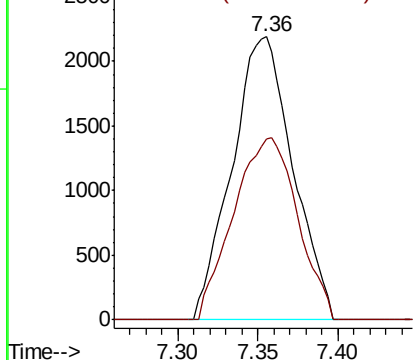


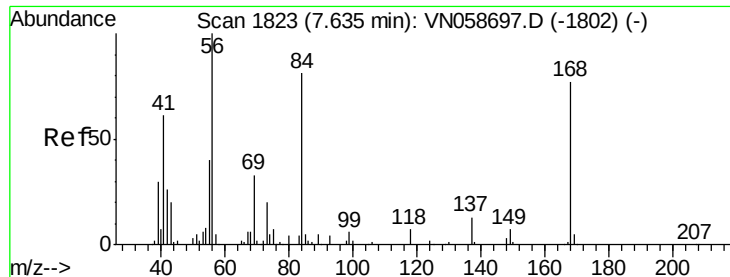
#30
Chloroform
Concen: 0.649 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 83 Resp: 5720
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

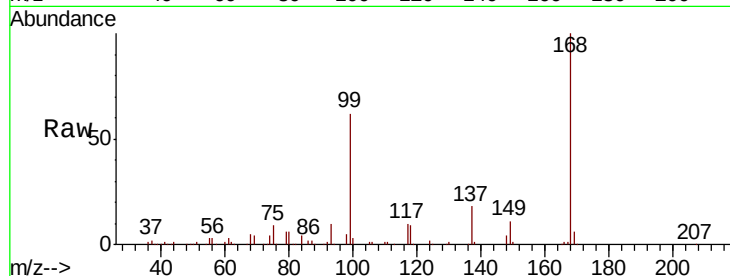




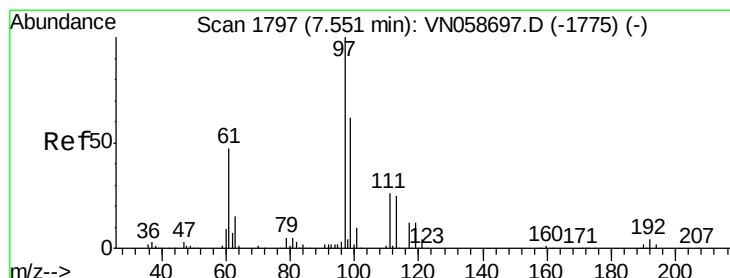
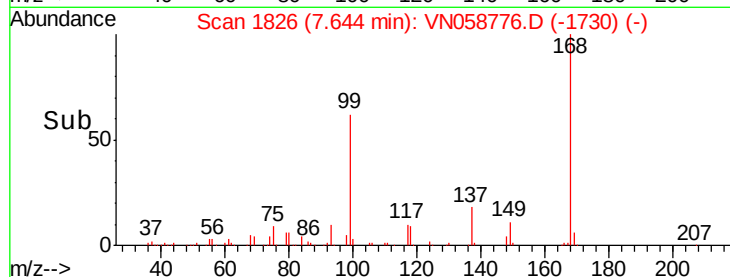
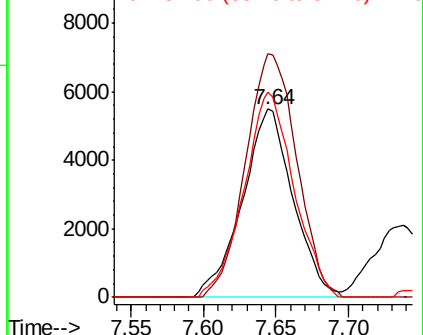
#31
Cyclohexane
Concen: 1.590 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 56 Resp: 13338
Ion Ratio Lower Upper
56 100
69 129.5 26.2 39.4#
84 108.9 64.9 97.3#

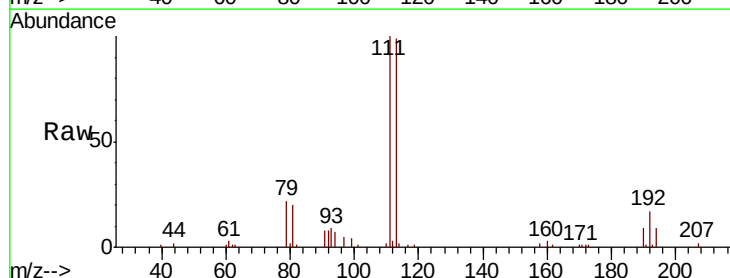


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

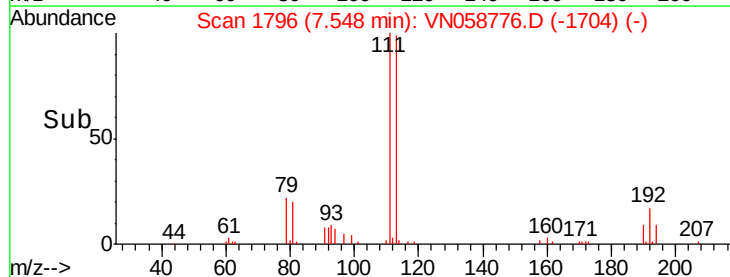
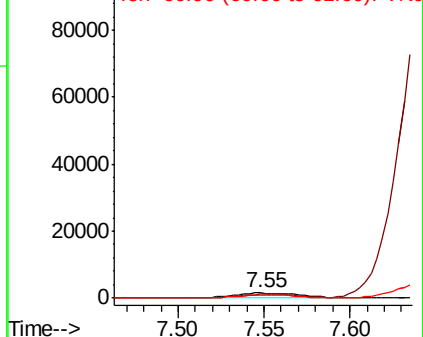


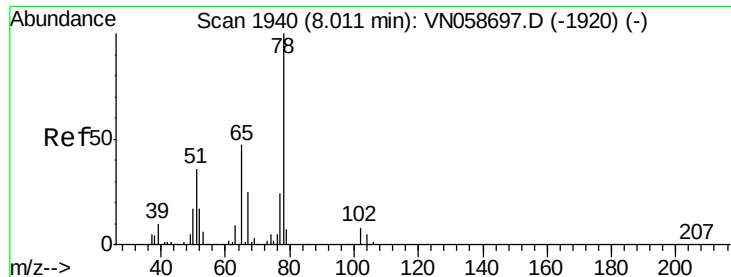
#32
1,1,1-Trichloroethane
Concen: 0.547 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 97 Resp: 4106
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 54.7 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

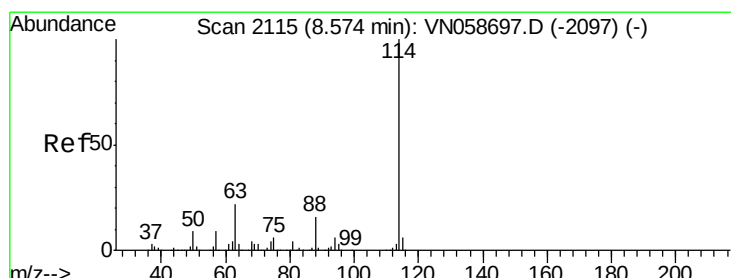
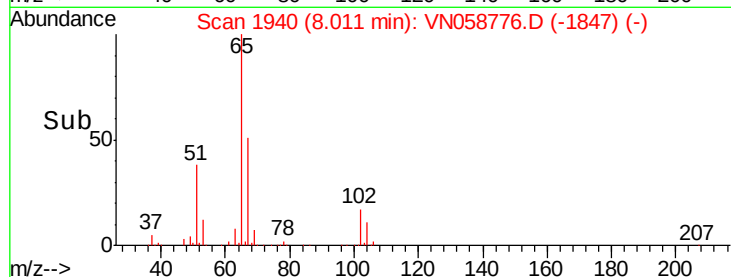
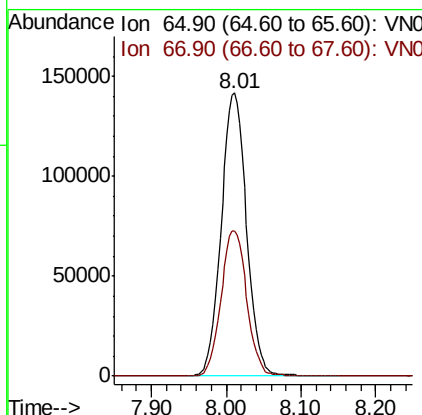
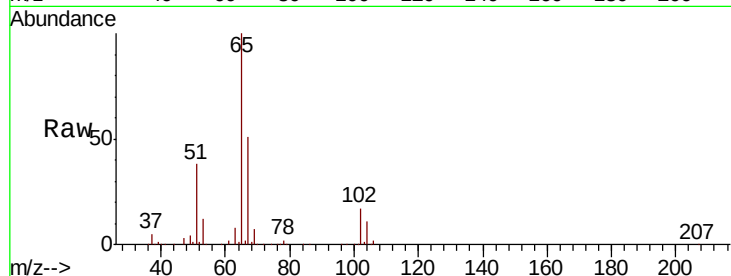




#33
 1,2-Dichloroethane-d4
 Concen: 57.990 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

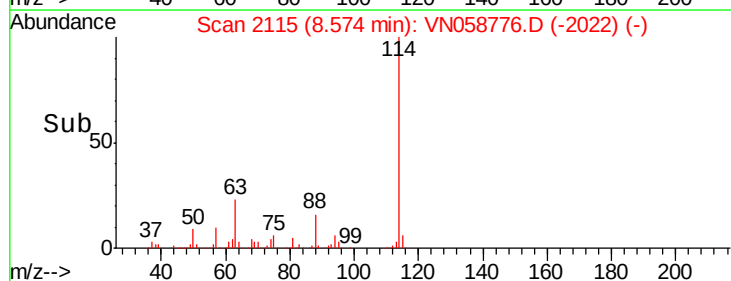
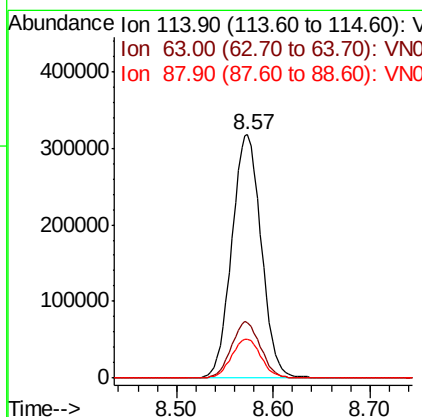
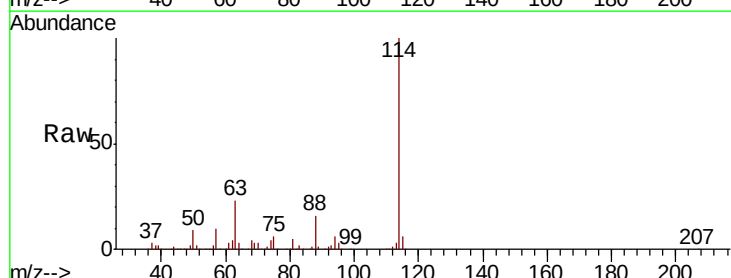
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

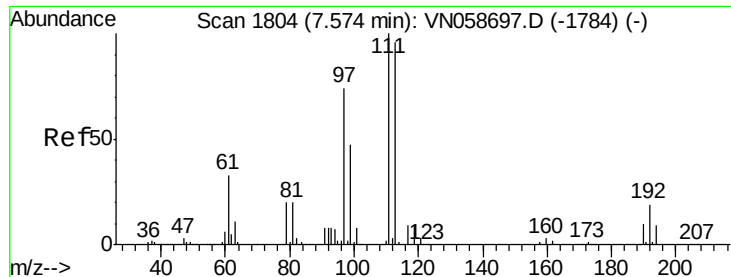
Tot Ion: 65 Resp: 331598
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 114 Resp: 671527
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.8
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.979 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

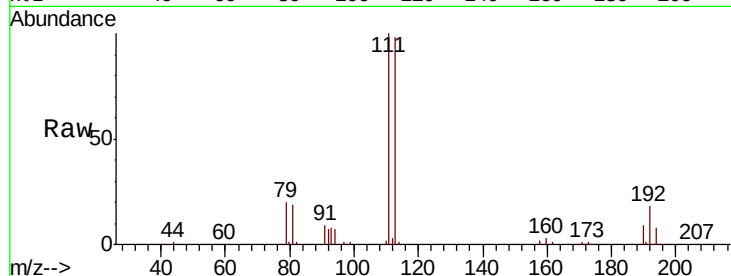
Tot Ion:113 Resp: 236342

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

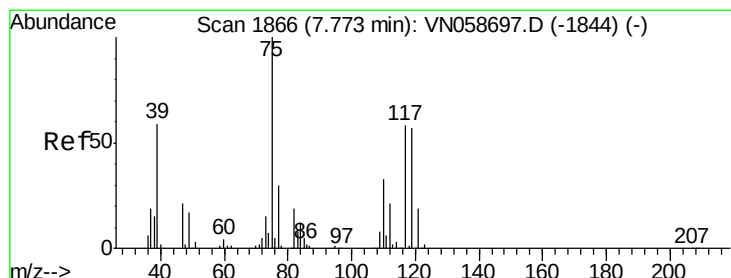
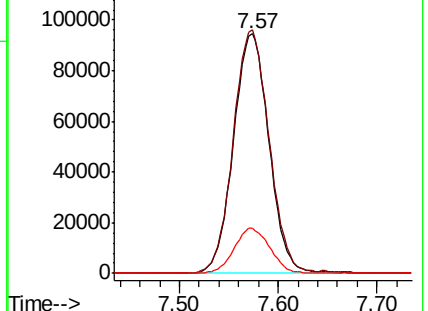
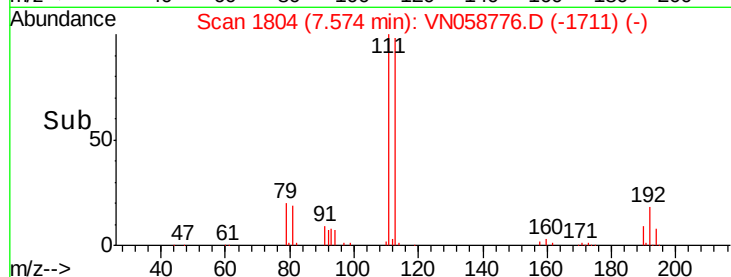
192 19.0 15.0 22.6



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: 0.532 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

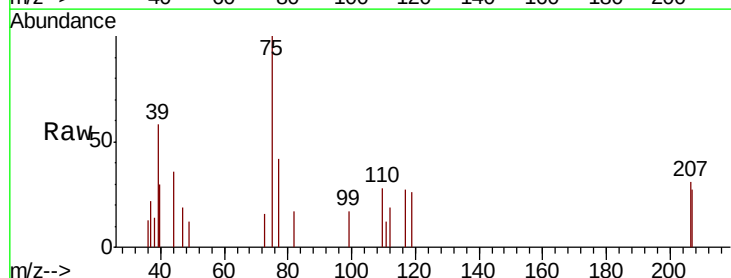
Tgt Ion: 75 Resp: 3614

Ion Ratio Lower Upper

75 100

110 27.1 16.6 49.8

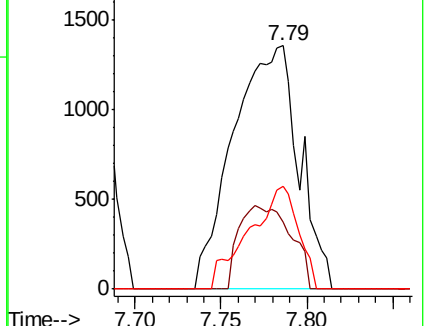
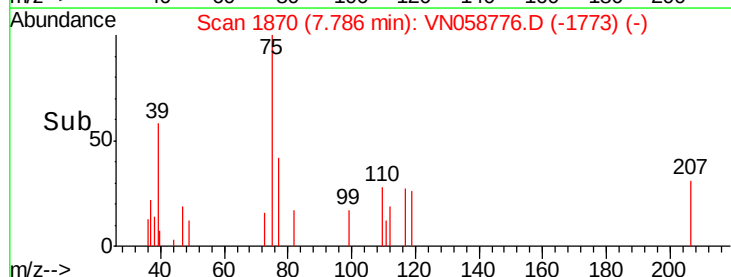
77 31.5 24.6 37.0

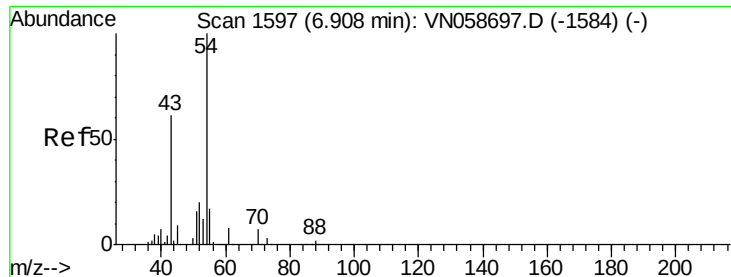


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

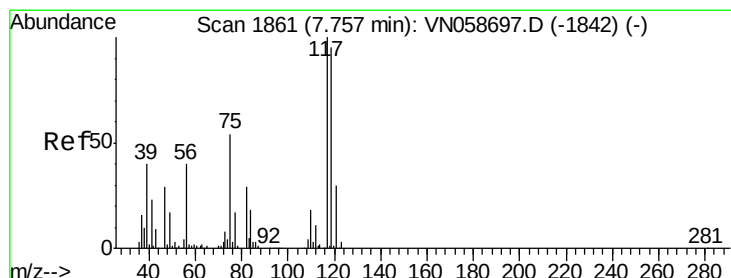
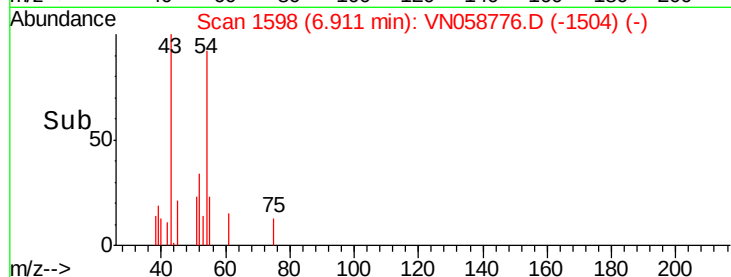
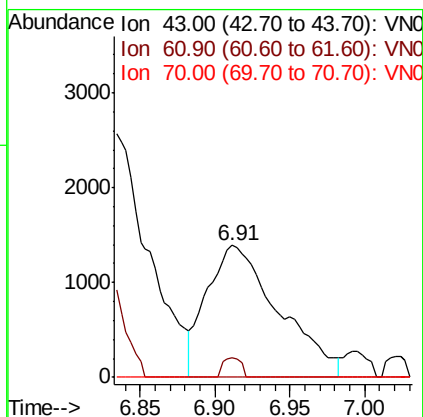
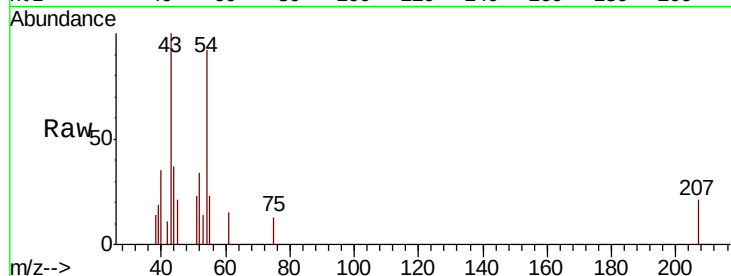




#37
Ethyl Acetate
Concen: 0.678 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

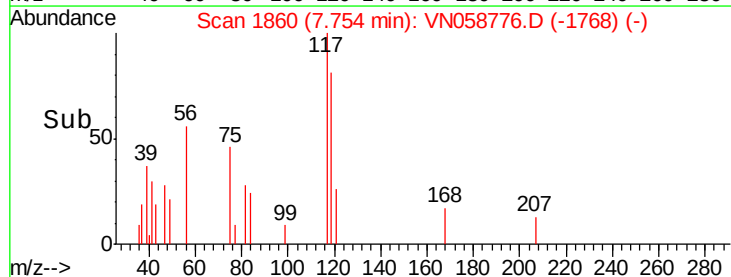
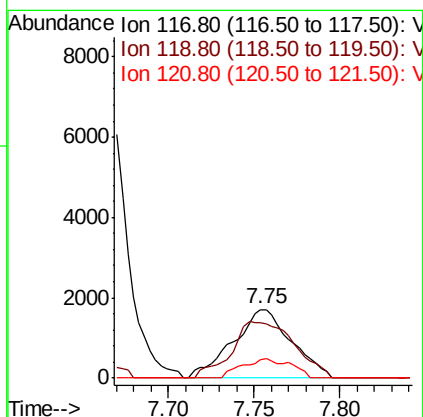
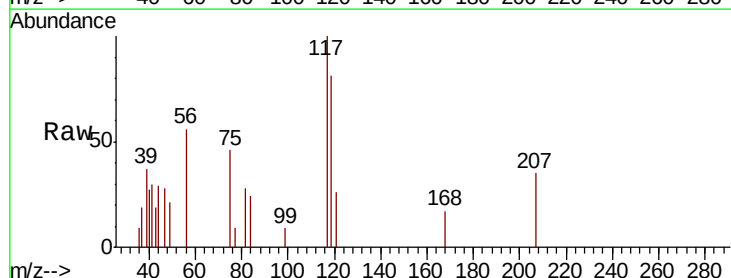
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

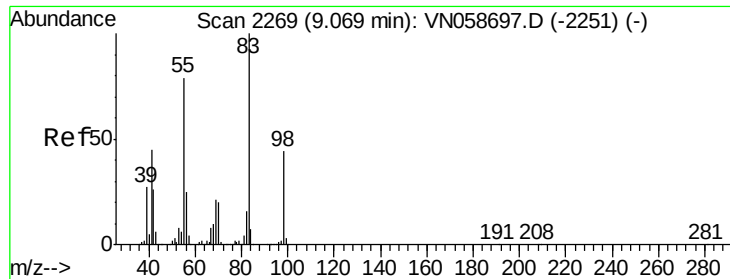
Tot Ion: 43 Resp: 4655
Ion Ratio Lower Upper
43 100
61 3.8 11.3 16.9#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 0.610 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 117 Resp: 4035
Ion Ratio Lower Upper
117 100
119 81.0 75.7 113.5
121 26.4 23.9 35.9

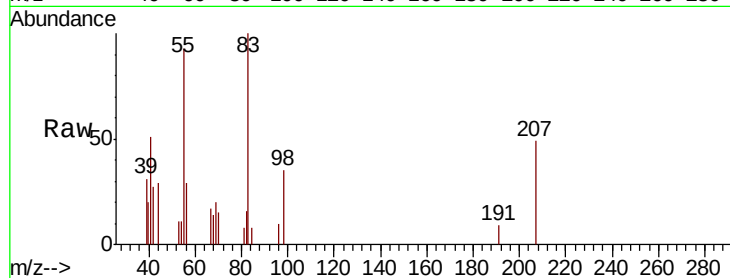




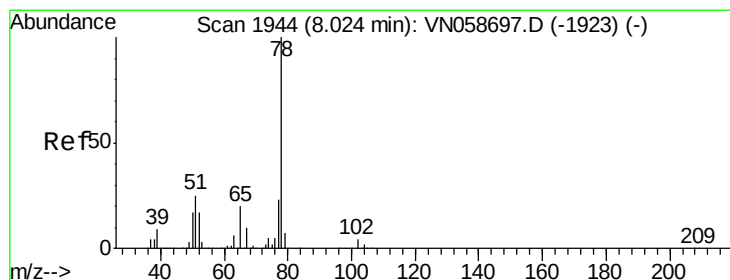
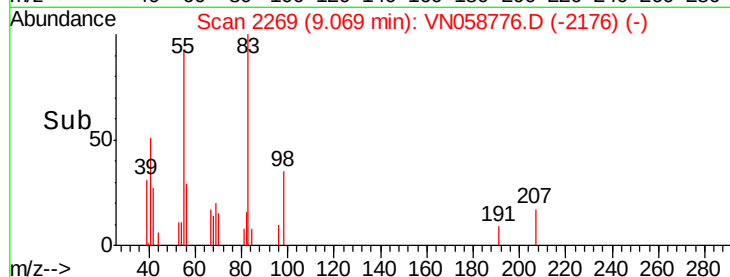
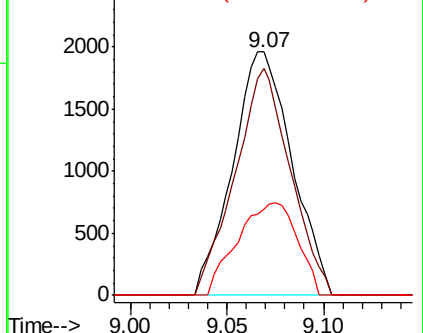
#39
Methylvlcyclohexane
Concen: 0.529 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 83 Resp: 4165
Ion Ratio Lower Upper
83 100
55 93.4 63.4 95.0
98 35.4 35.1 52.7

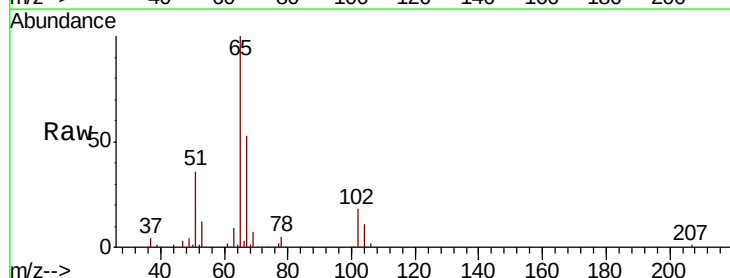


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

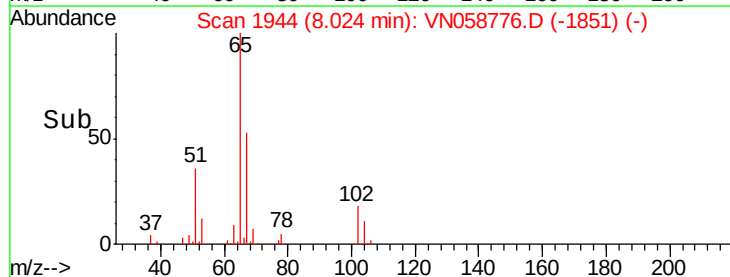
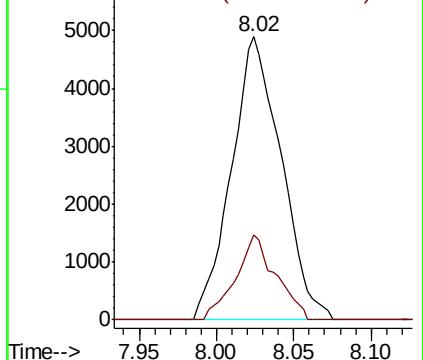


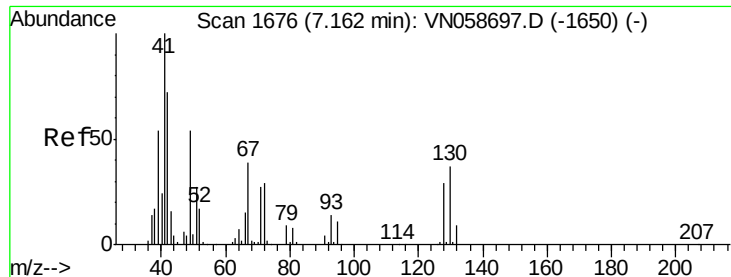
#40
Benzene
Concen: 0.560 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 78 Resp: 10917
Ion Ratio Lower Upper
78 100
77 30.0 18.8 28.2#



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

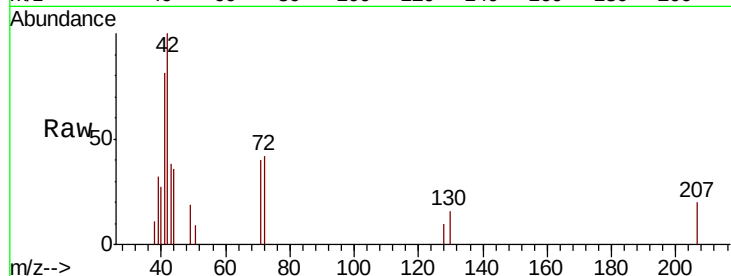




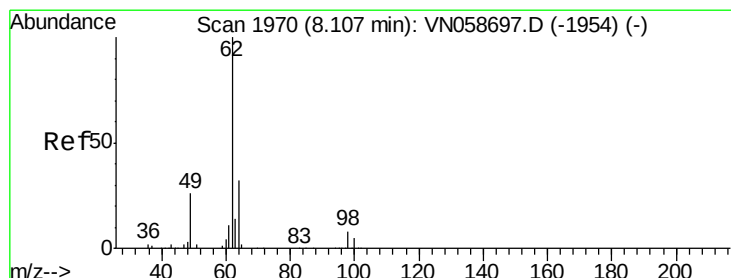
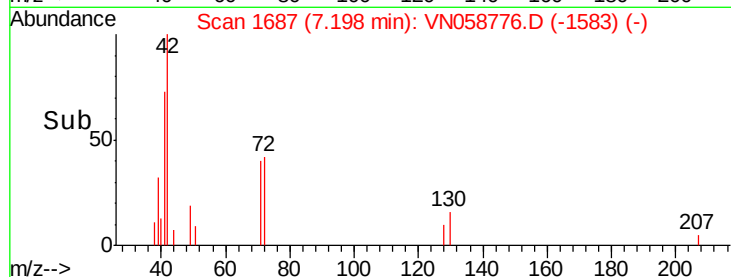
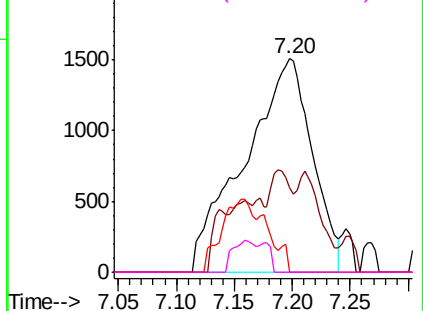
#41
Methacrylonitrile
Concen: 1.906 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	41	Resp:	6125
Ion	Ratio	Lower	Upper
41	100		
39	5.9	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

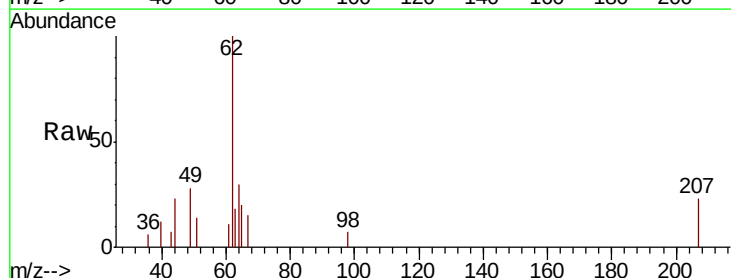


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

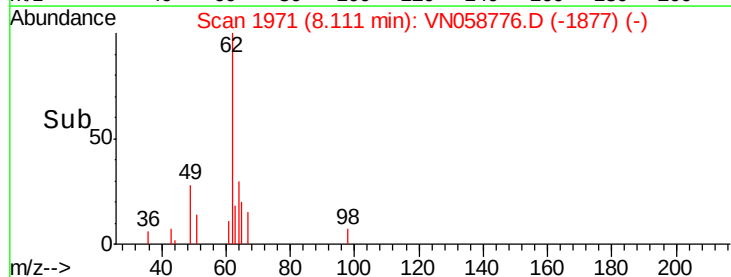
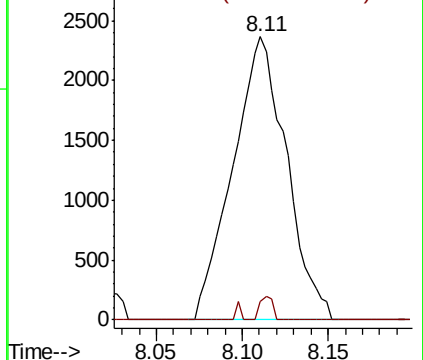


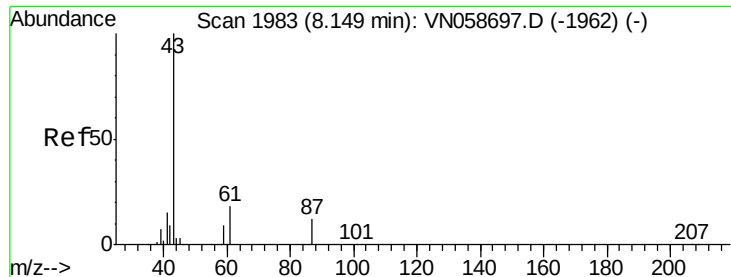
#42
1,2-Dichloroethane
Concen: 0.685 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion:	62	Resp:	5132
Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.534 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

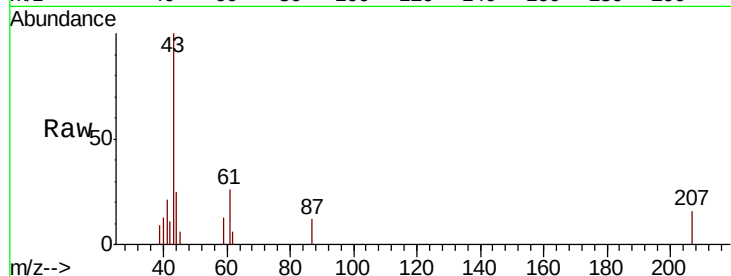
Tot Ion: 43 Resp: 6244

Ion Ratio Lower Upper

43 100

61 19.0 20.3 30.5#

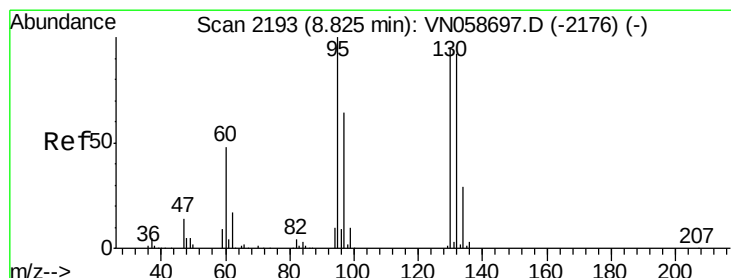
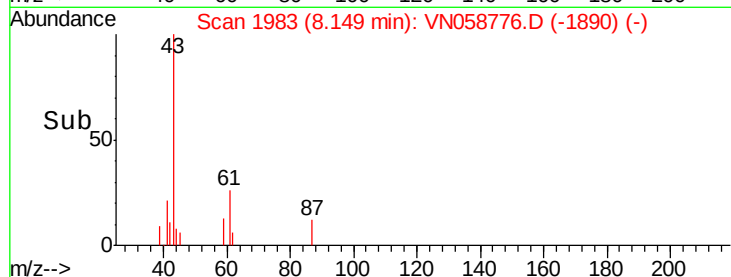
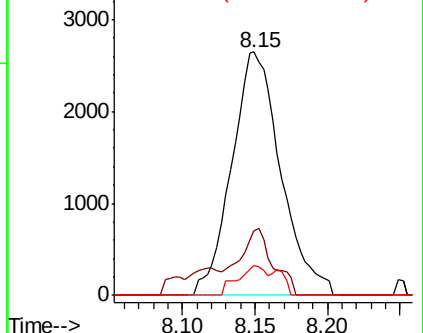
87 7.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 0.527 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058776.D

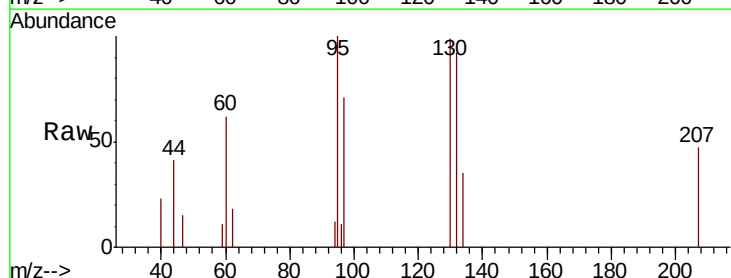
Acq: 15 Oct 2019 12:58

Tgt Ion: 130 Resp: 2554

Ion Ratio Lower Upper

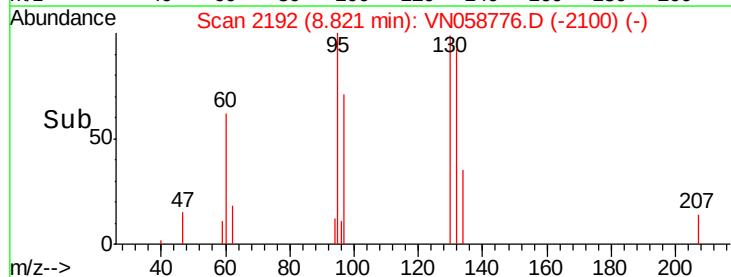
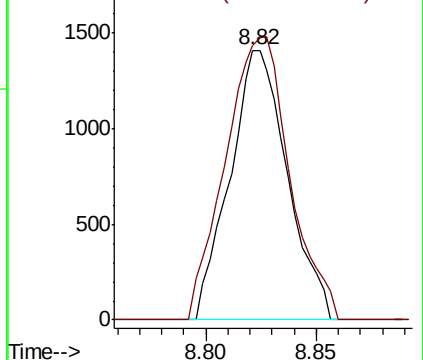
130 100

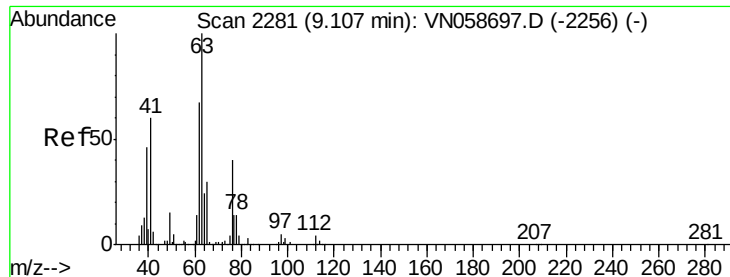
95 101.5 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

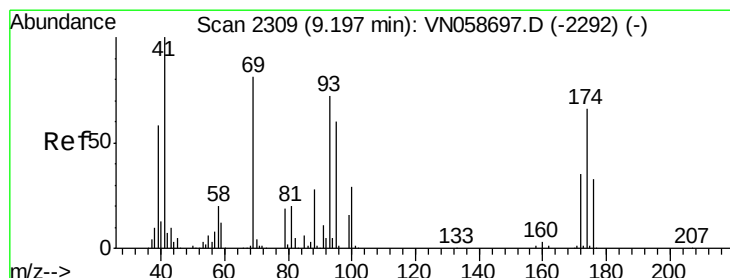
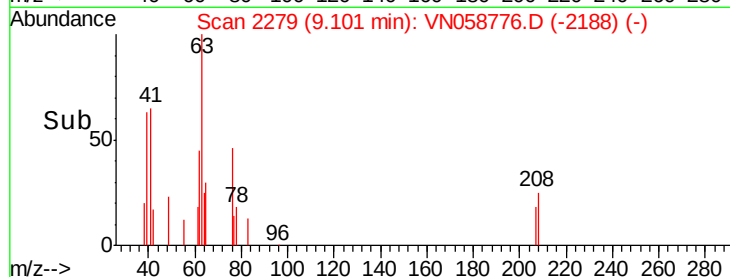
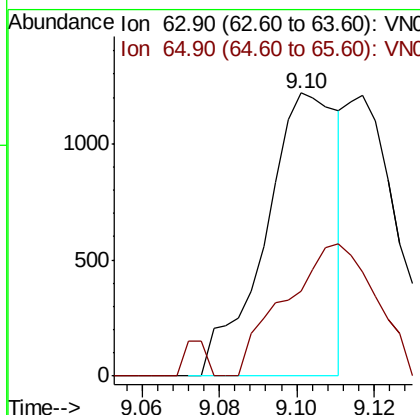
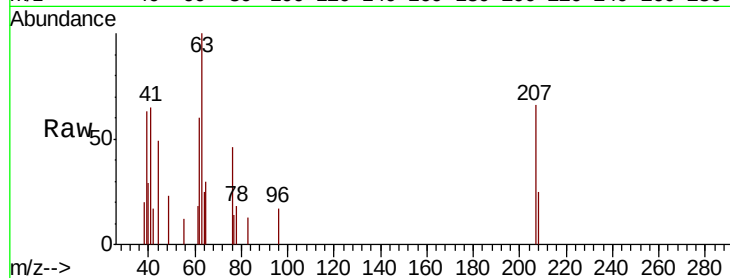




#45
 1,2-Dichloropropane
 Concen: 0.305 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

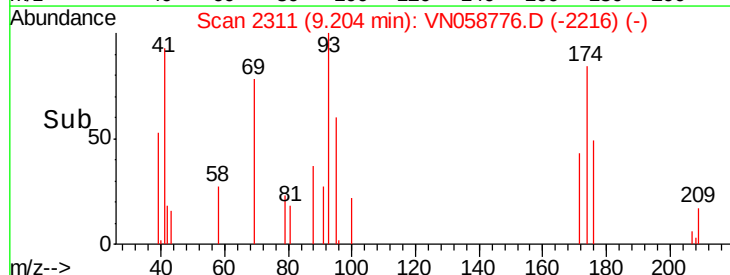
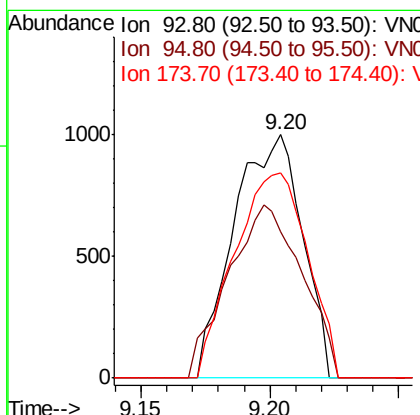
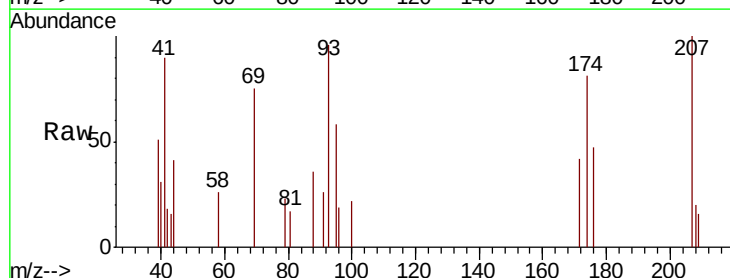
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

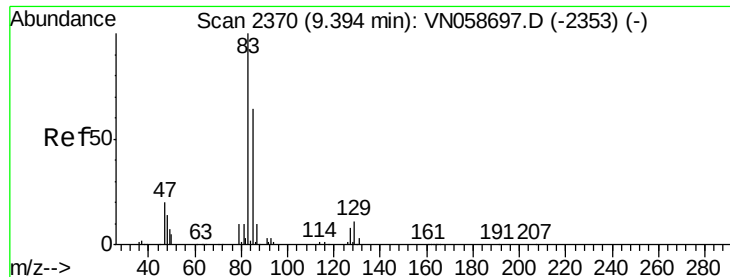
Tot Ion: 63 Resp: 1591
 Ion Ratio Lower Upper
 63 100
 65 17.3 24.1 36.1#



#46
 Dibromomethane
 Concen: 0.559 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion: 93 Resp: 1850
 Ion Ratio Lower Upper
 93 100
 95 76.8 66.6 100.0
 174 90.4 75.2 112.8





#47

Bromodichloromethane

Concen: 0.534 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

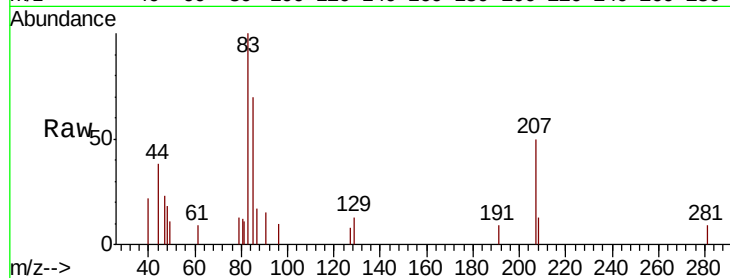
Tot Ion: 83 Resp: 3599

Ion Ratio Lower Upper

83 100

85 69.7 50.9 76.3

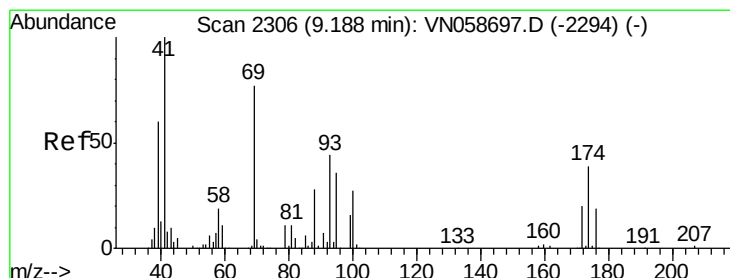
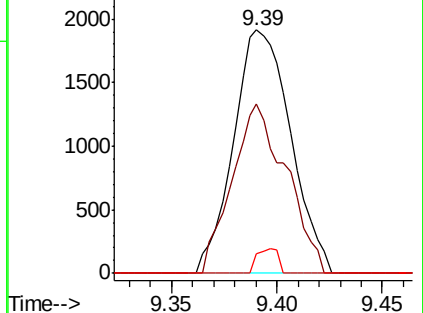
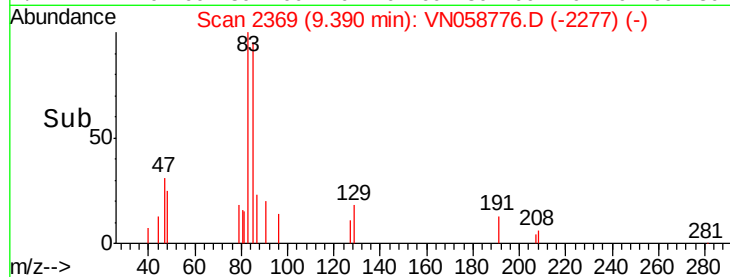
127 8.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058776.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058776.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058776.D (-2277) (-)



#48

Methyl methacrylate

Concen: 0.546 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

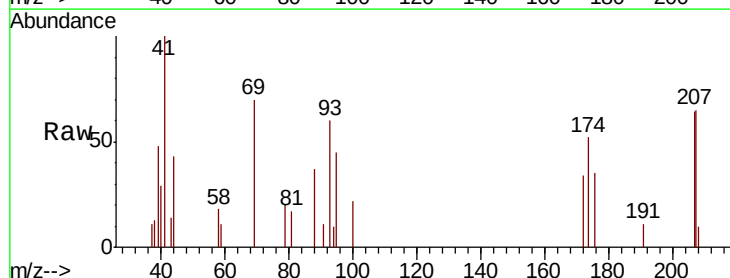
Tgt Ion: 41 Resp: 2895

Ion Ratio Lower Upper

41 100

69 63.9 63.4 95.2

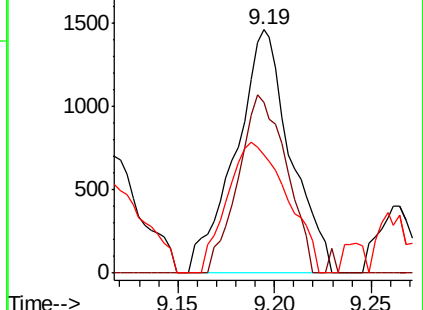
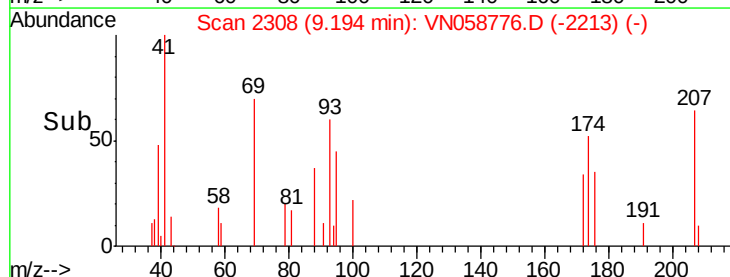
39 58.3 48.9 73.3

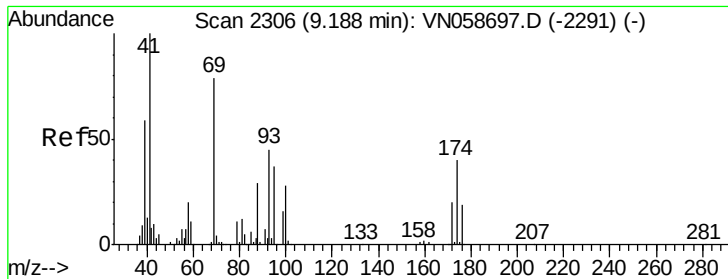


Abundance Ion 41.00 (40.70 to 41.70): VN058776.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058776.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058776.D (-2213) (-)

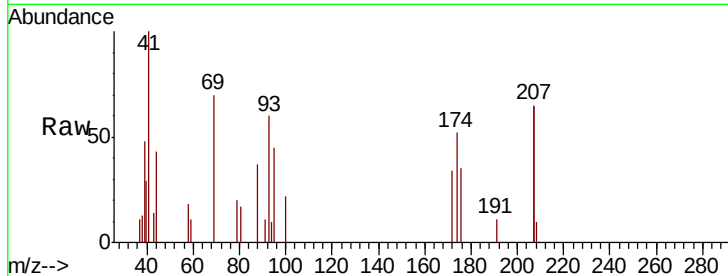




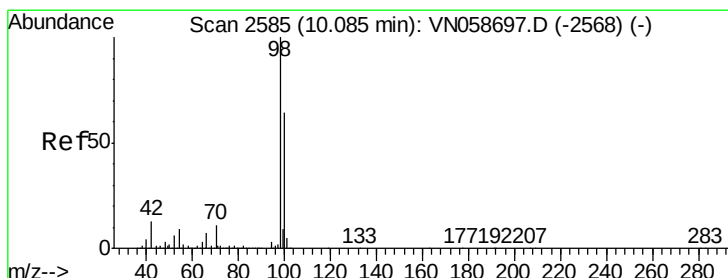
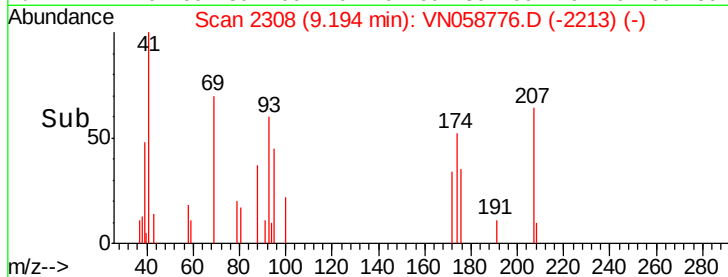
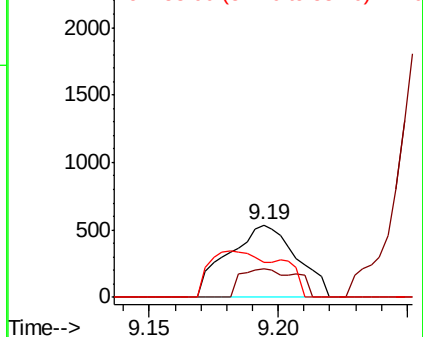
#49
1,4-Dioxane
Concen: 12.069 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 88 Resp: 990
Ion Ratio Lower Upper
88 100
43 32.1 28.6 43.0
58 52.0 57.2 85.8#

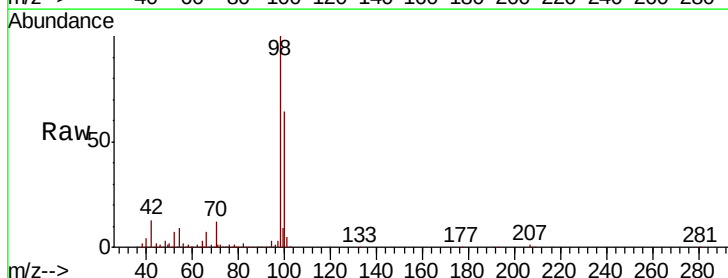


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

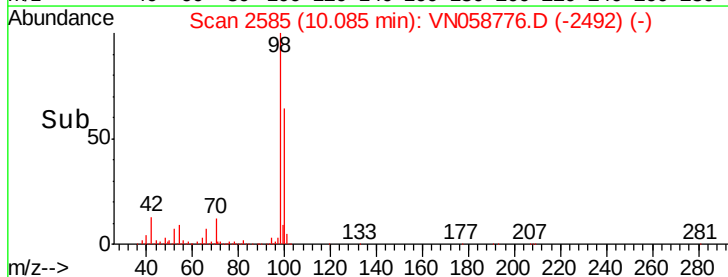
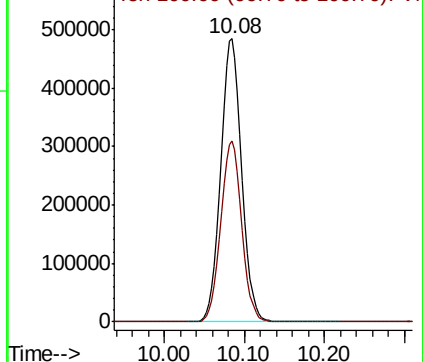


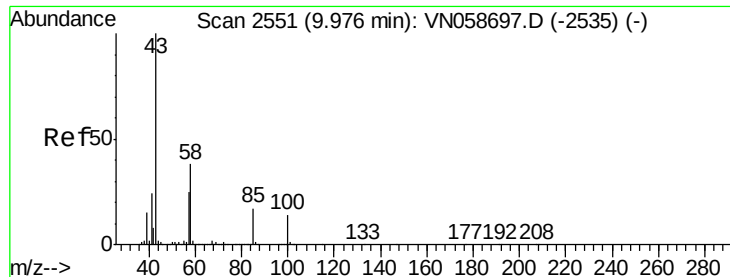
#50
Toluene-d8
Concen: 52.835 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 98 Resp: 876372
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



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: 2.490 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

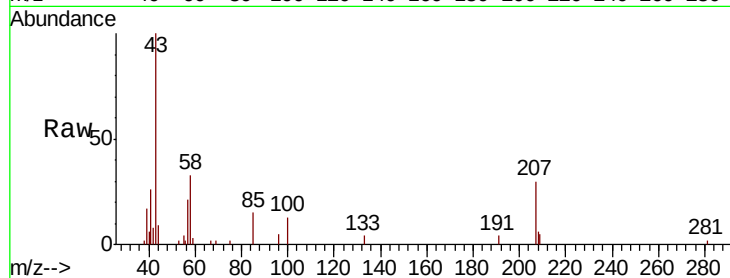
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 16361

Ion Ratio Lower Upper

43 100

58 36.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

8000

6000

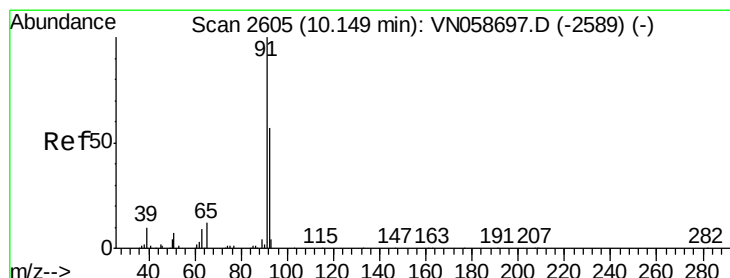
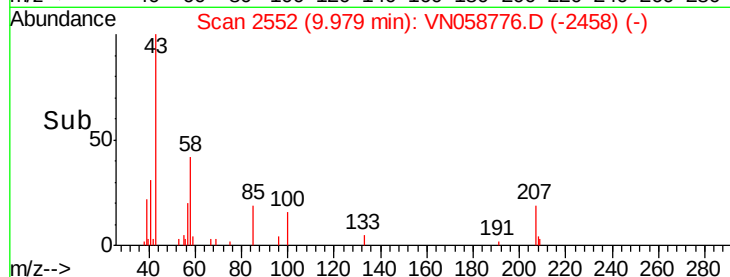
4000

2000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 0.543 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058776.D

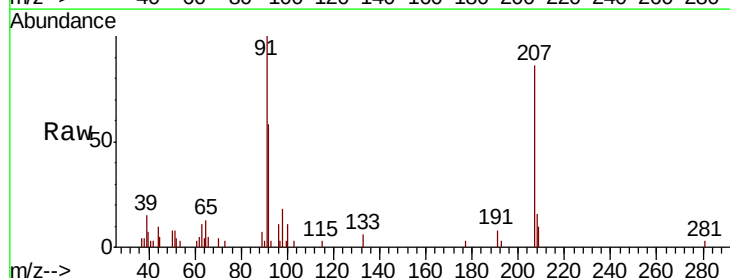
Acq: 15 Oct 2019 12:58

Tgt Ion: 92 Resp: 6478

Ion Ratio Lower Upper

92 100

91 170.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

6000

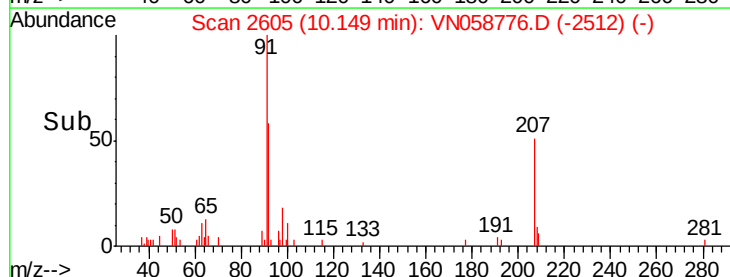
4000

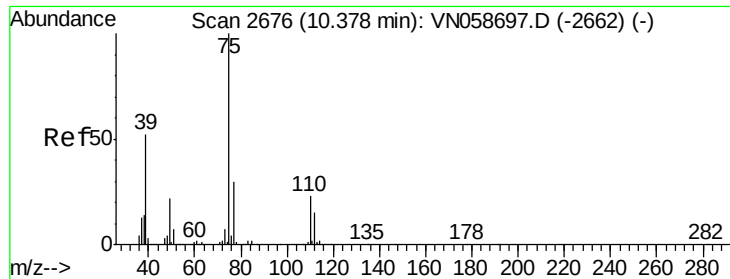
2000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.633 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

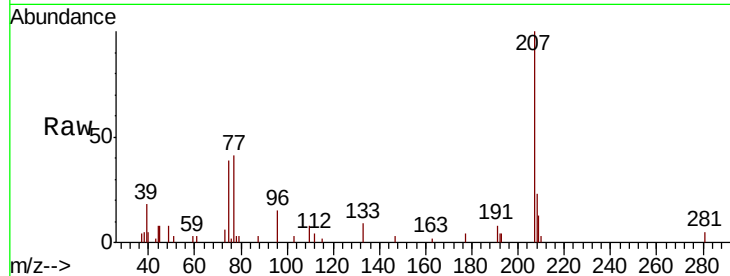
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 75 Resp: 4895

Ion Ratio Lower Upper

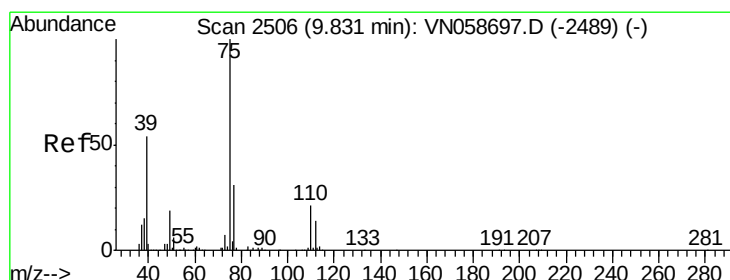
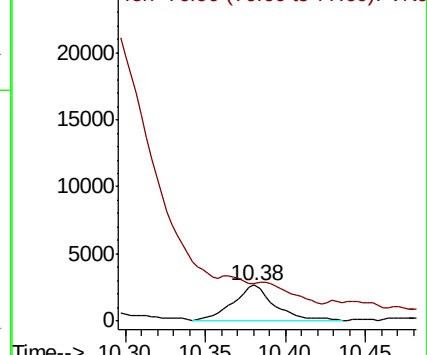
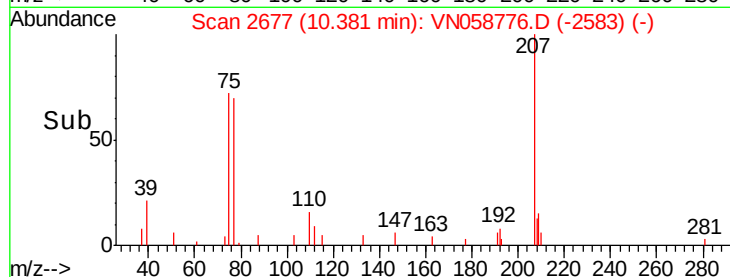
75 100

77 52.2 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.531 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

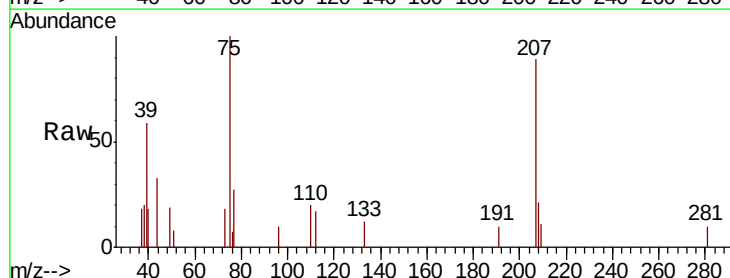
Tgt Ion: 75 Resp: 4356

Ion Ratio Lower Upper

75 100

77 26.7 24.4 36.6

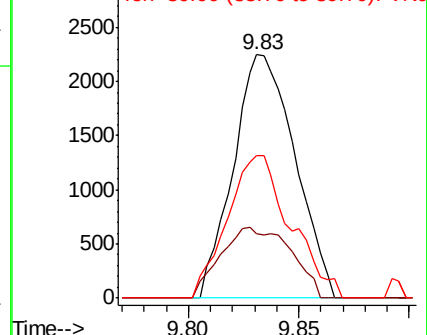
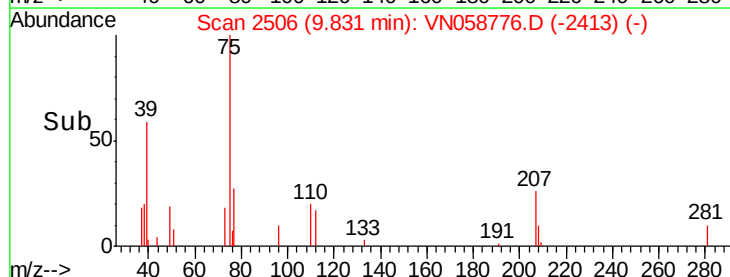
39 58.5 43.1 64.7

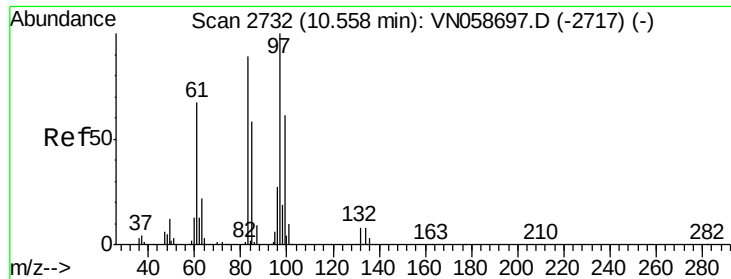


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.599 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.01 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 97 Resp: 2926

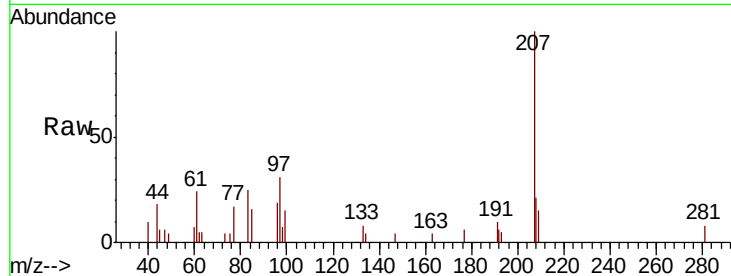
Ion Ratio Lower Upper

97 100

83 80.4 71.2 106.8

85 52.9 46.7 70.1

99 49.3 49.0 73.6

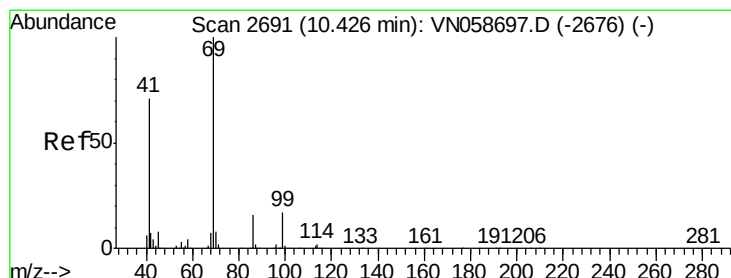
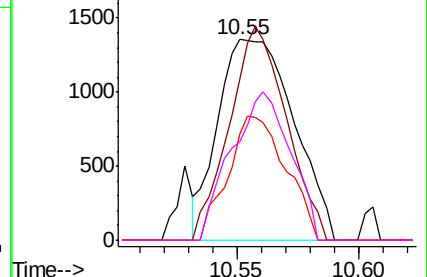
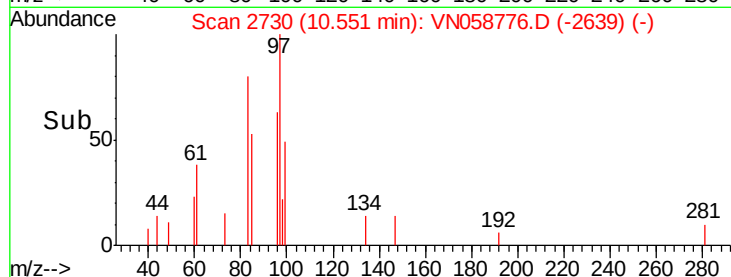


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.438 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

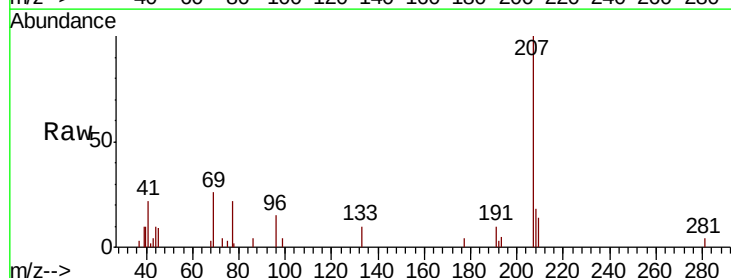
Tgt Ion: 69 Resp: 3125

Ion Ratio Lower Upper

69 100

41 84.8 56.8 85.2

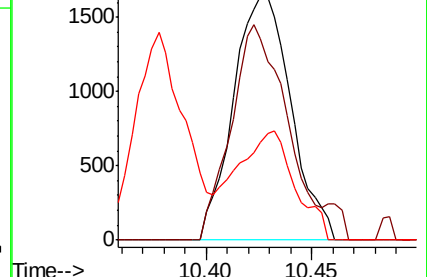
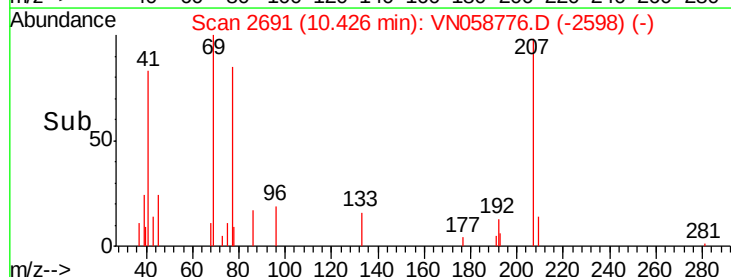
39 45.7 32.5 48.7

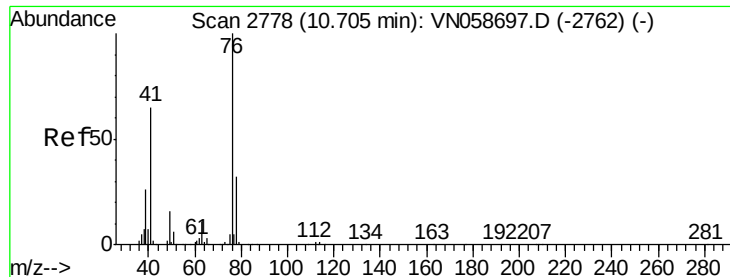


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.518 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

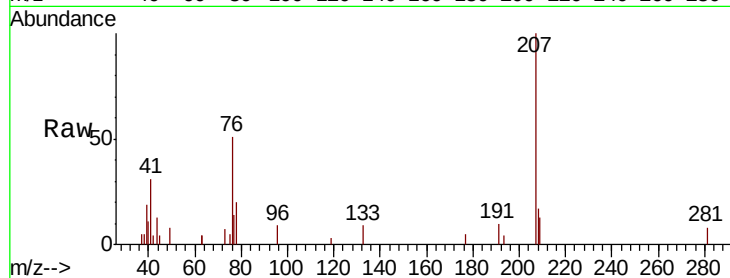
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 76 Resp: 4306

Ion Ratio Lower Upper

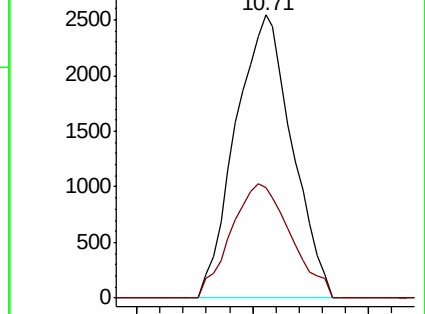
76 100

78 42.7 25.9 38.9#

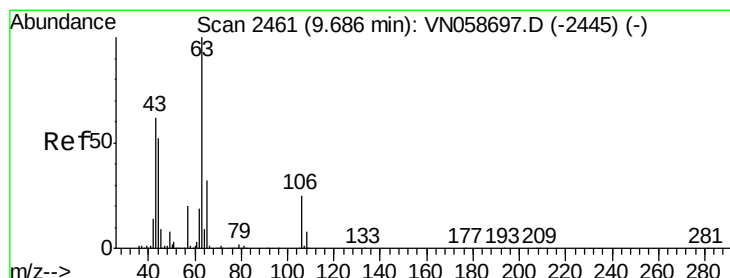
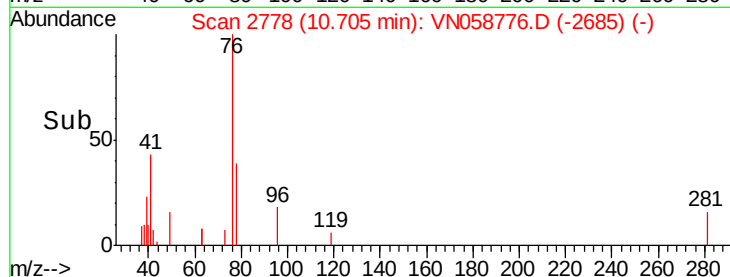


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.439 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058776.D

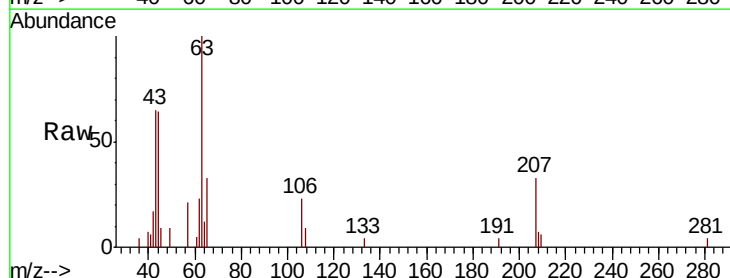
Acq: 15 Oct 2019 12:58

Tgt Ion: 63 Resp: 8381

Ion Ratio Lower Upper

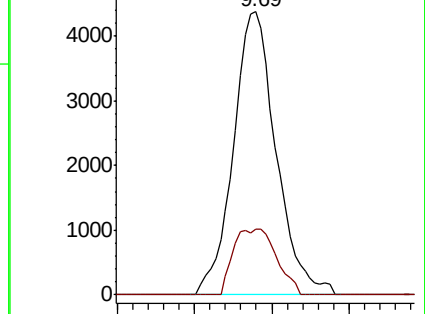
63 100

106 23.4 20.0 30.0

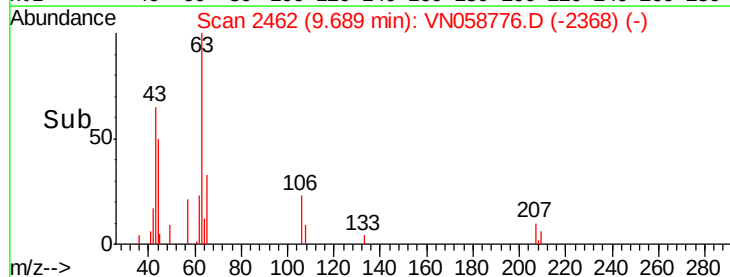


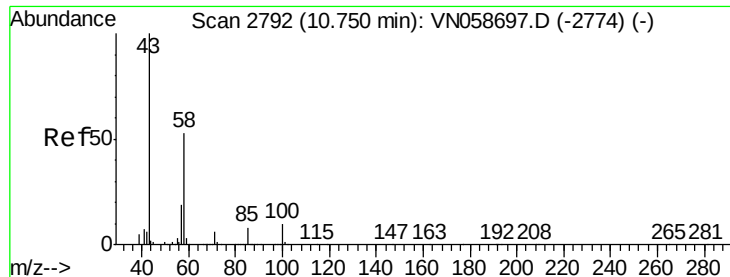
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->

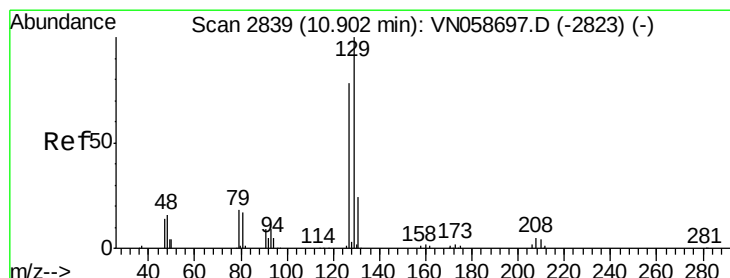
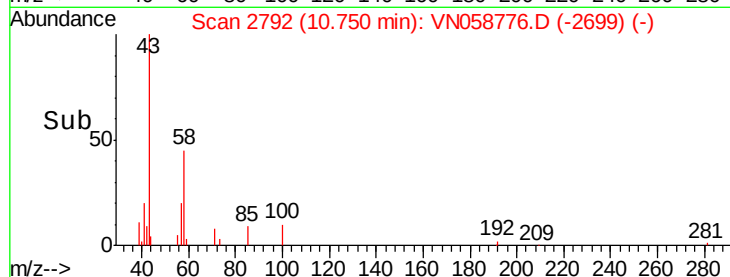
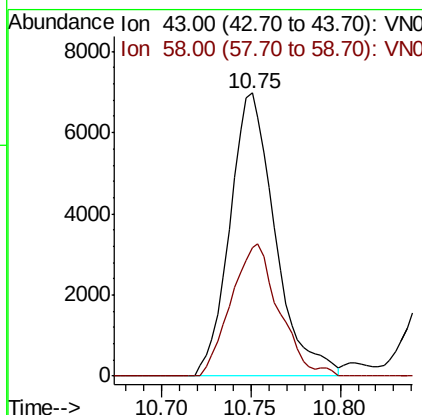
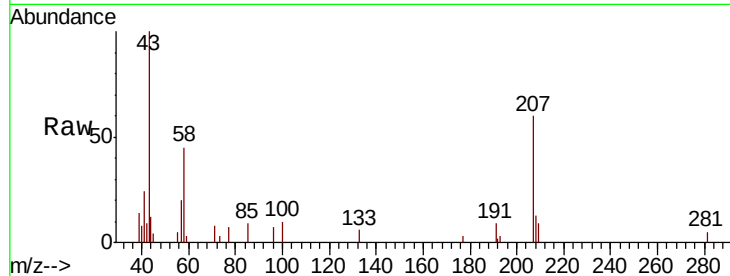




#59
2-Hexanone
Concen: 2.433 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

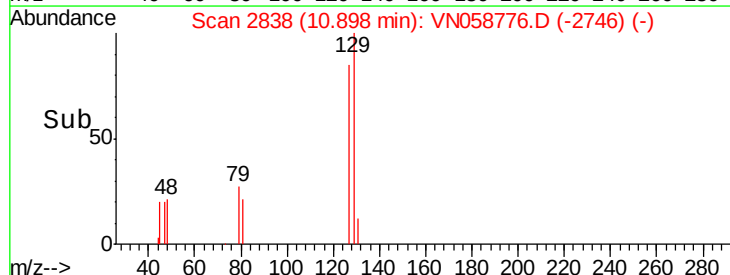
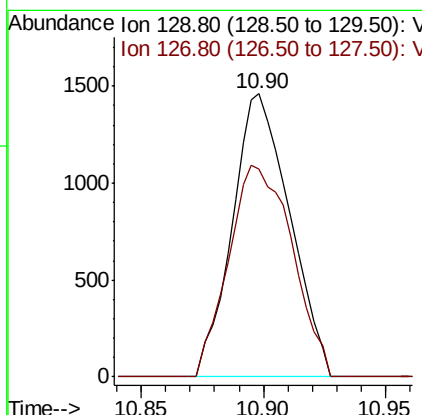
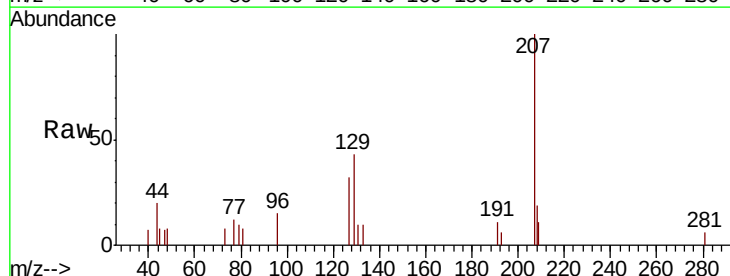
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

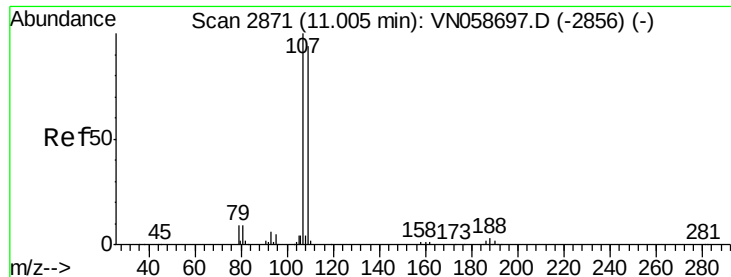
Tot Ion: 43 Resp: 12353
Ion Ratio Lower Upper
43 100
58 49.4 26.1 78.3



#60
Dibromochloromethane
Concen: 0.473 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 129 Resp: 2383
Ion Ratio Lower Upper
129 100
127 82.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 0.535 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

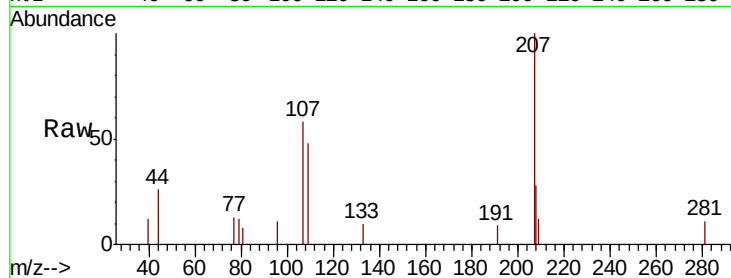
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 107 Resp: 2615

Ion Ratio Lower Upper

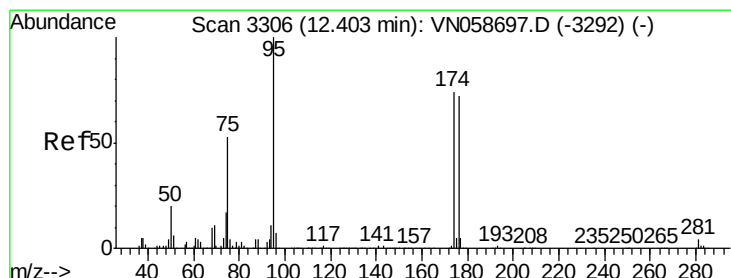
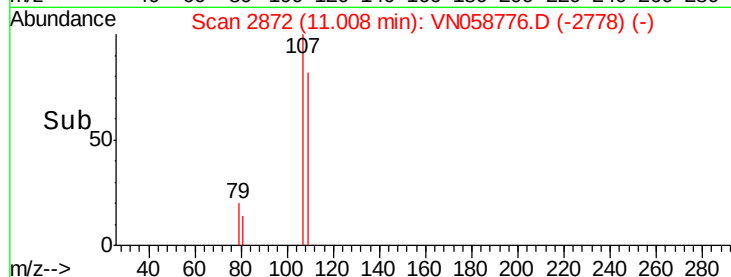
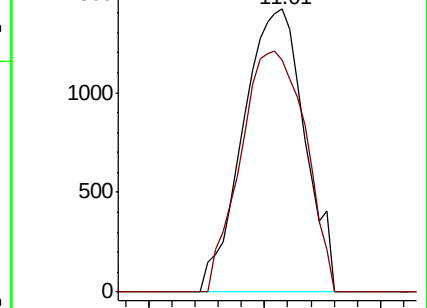
107 100

109 89.6 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.591 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

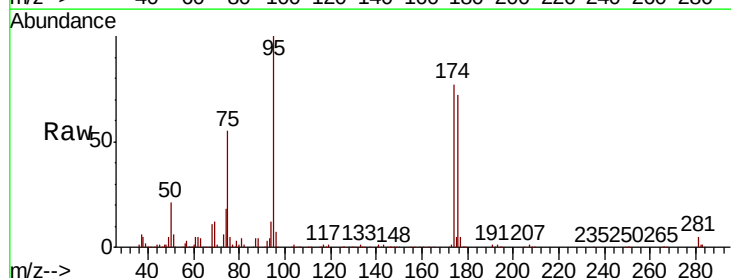
Tgt Ion: 95 Resp: 292525

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.4

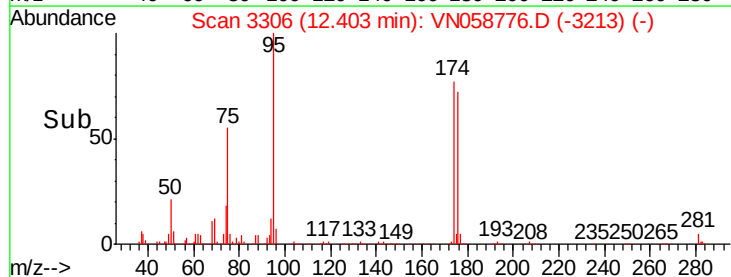
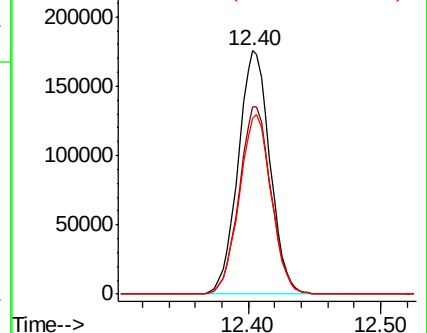
176 74.2 0.0 146.8

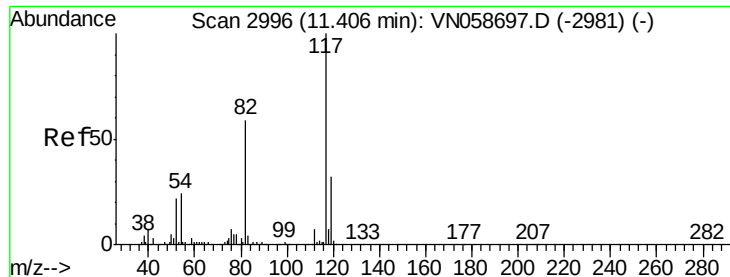


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

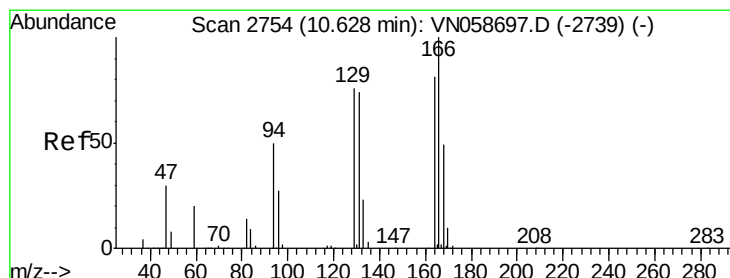
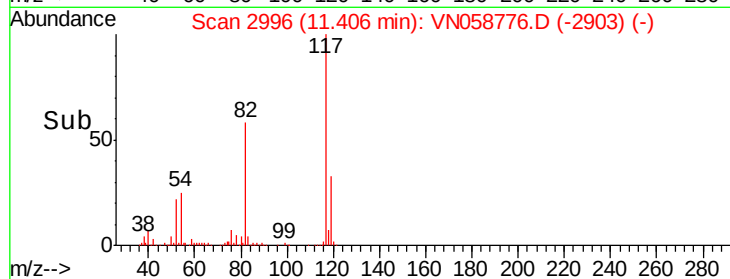
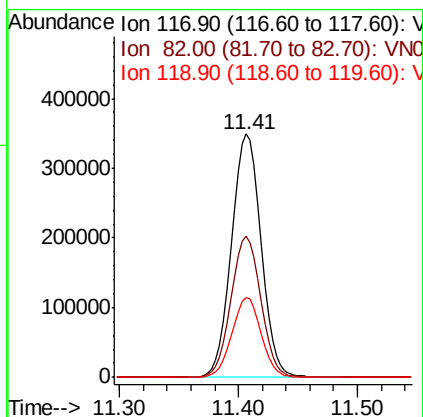
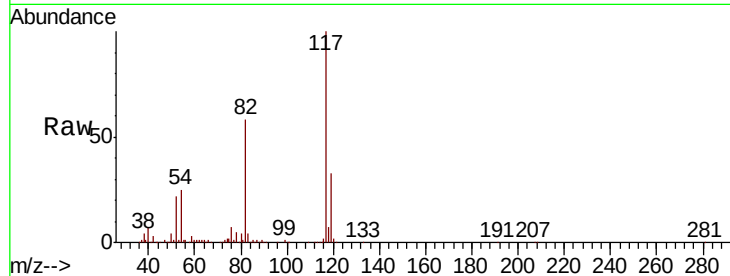




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

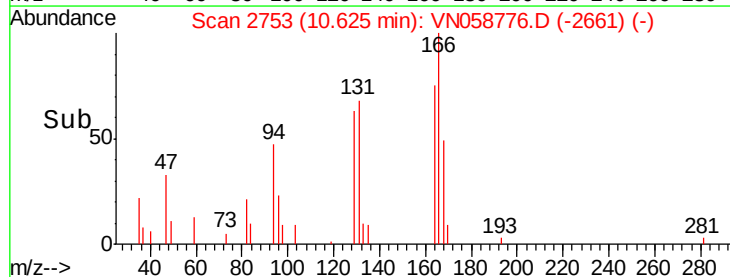
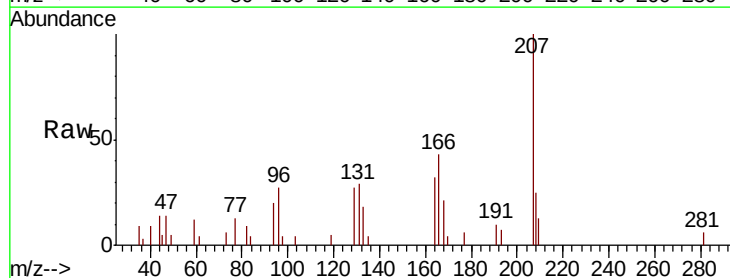
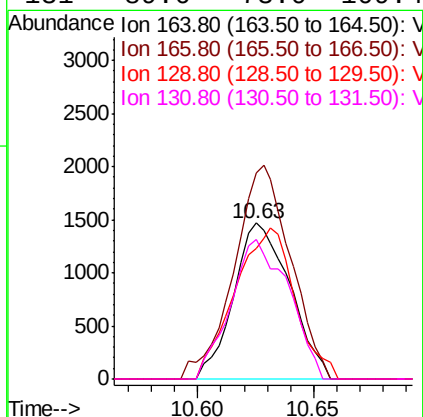
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

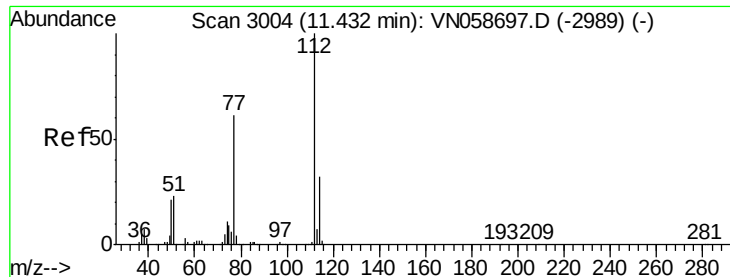
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.0	70.4
119	33.0	25.4	38.2



#64
Tetrachloroethene
Concen: 0.587 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	99.3	148.9
129	84.1	75.2	112.8
131	89.6	73.0	109.4

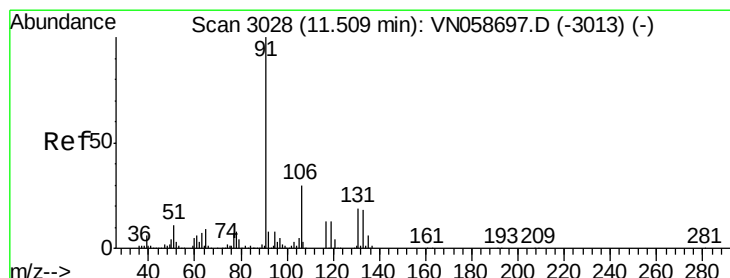
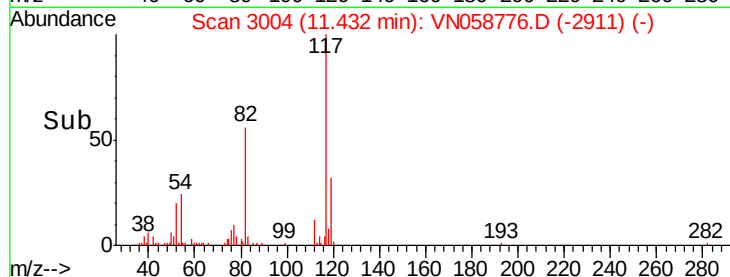
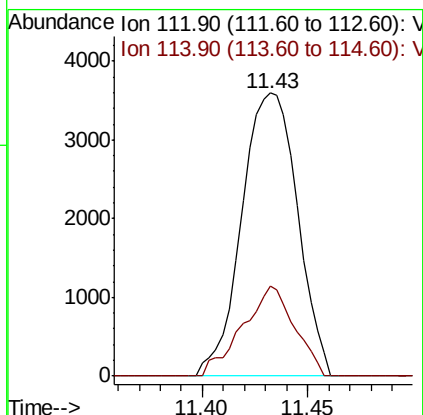
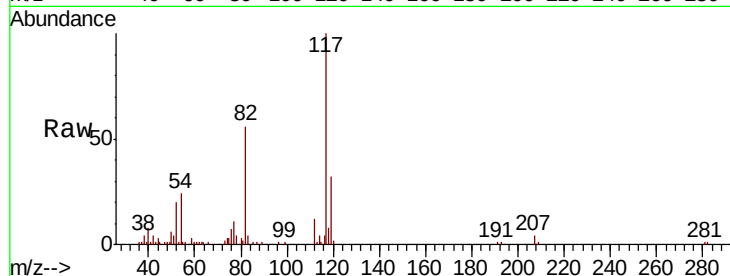




#65
Chlorobenzene
Concen: 0.540 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

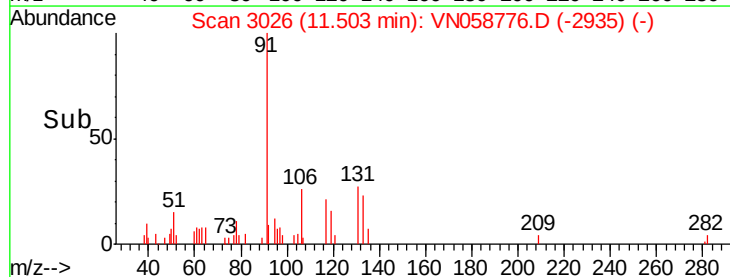
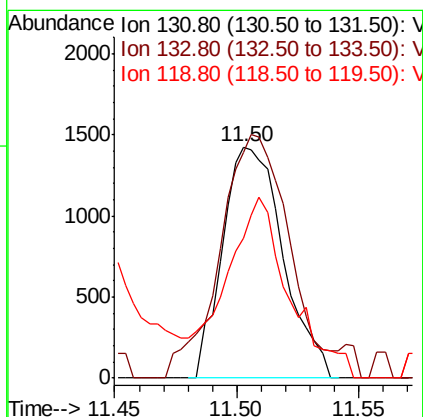
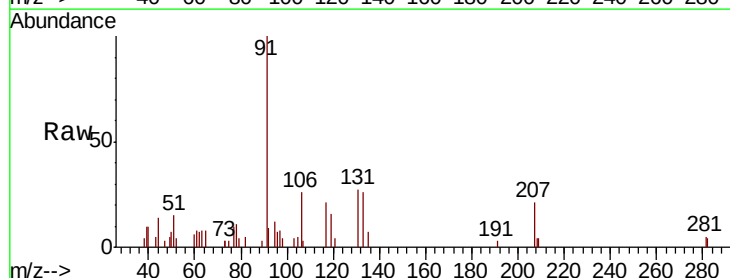
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

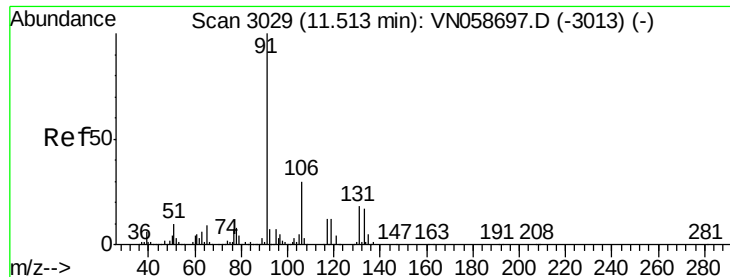
Tot Ion:112 Resp: 6612
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.542 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.01 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion:131 Resp: 2451
Ion Ratio Lower Upper
131 100
133 120.0 47.6 142.9
119 0.0 33.0 98.9#

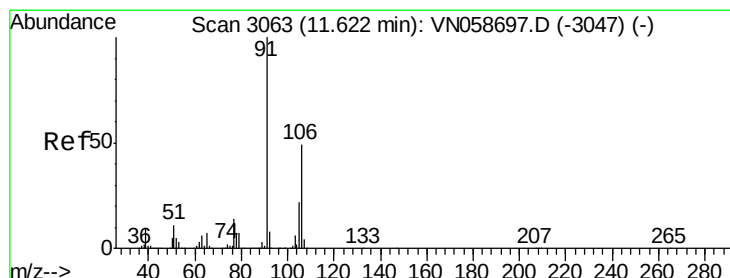
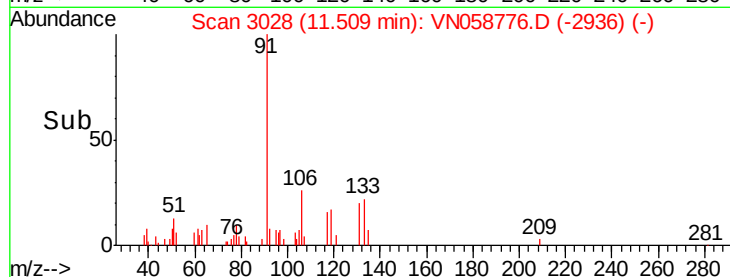
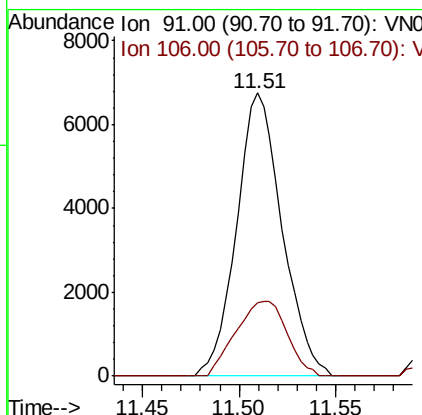
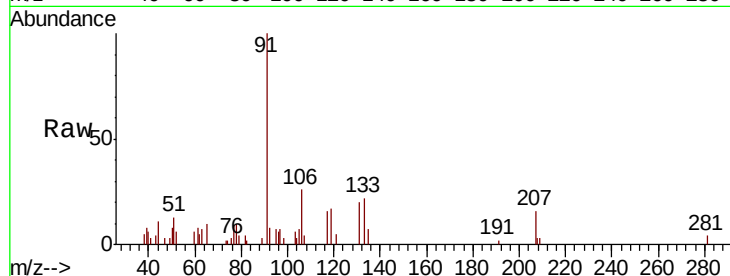




#67
Ethyl Benzene
Concen: 0.506 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

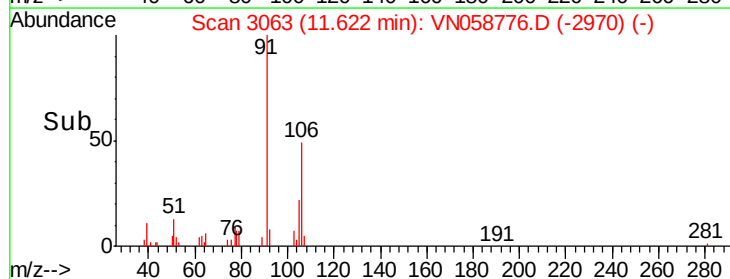
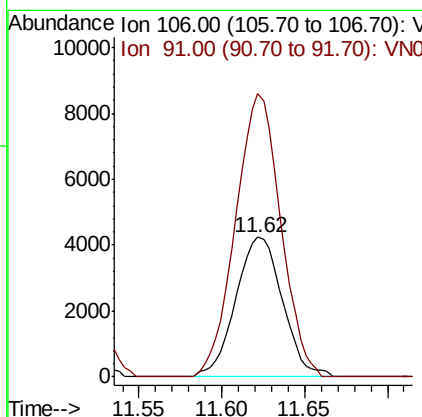
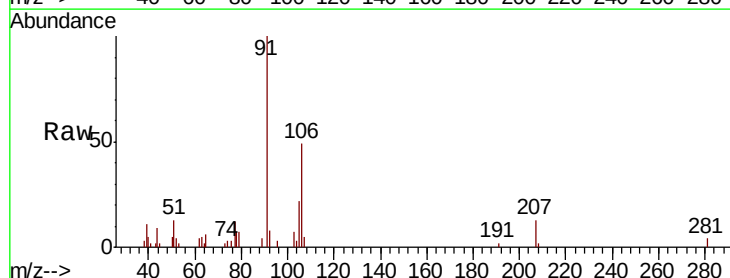
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

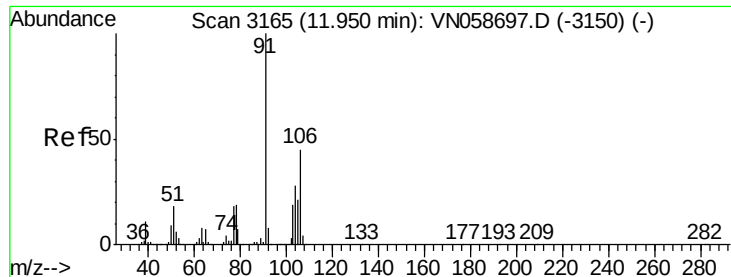
Tot Ion: 91 Resp: 11046
Ion Ratio Lower Upper
91 100
106 25.8 24.1 36.1



#68
m/p-Xylenes
Concen: 1.018 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 106 Resp: 8333
Ion Ratio Lower Upper
106 100
91 195.1 165.7 248.5

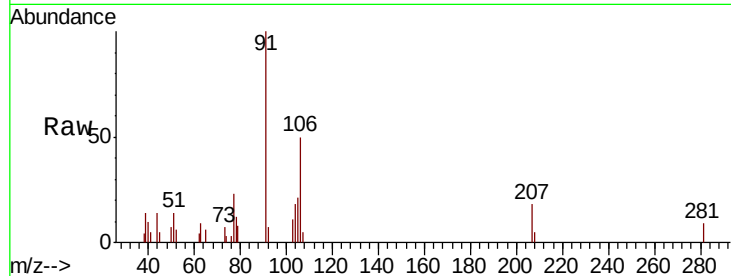




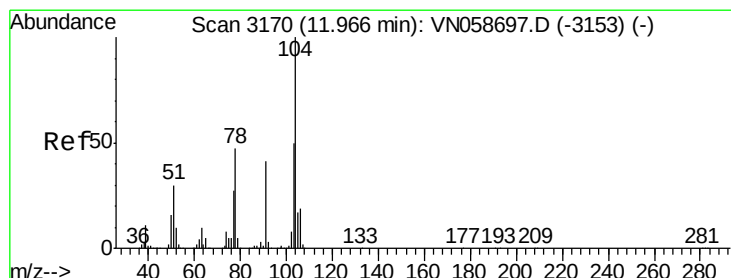
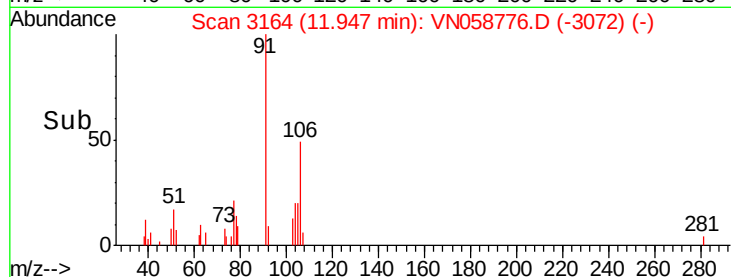
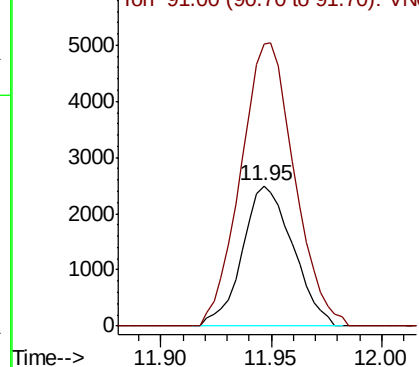
#69
o-Xylene
Concen: 0.501 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:106 Resp: 3969
Ion Ratio Lower Upper
106 100
91 213.9 110.9 332.9

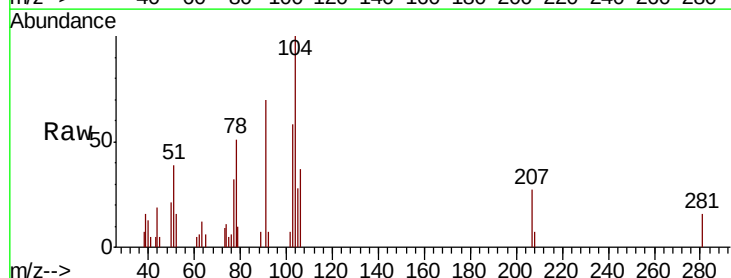


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

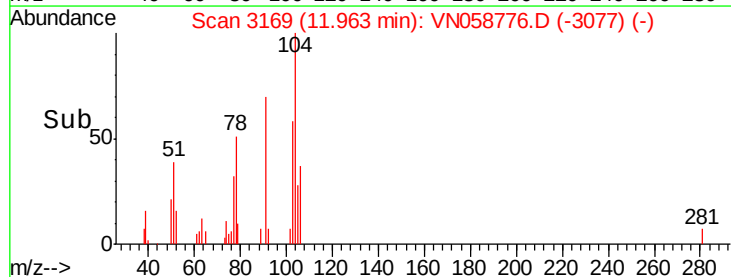
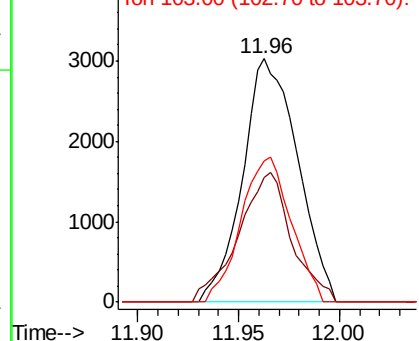


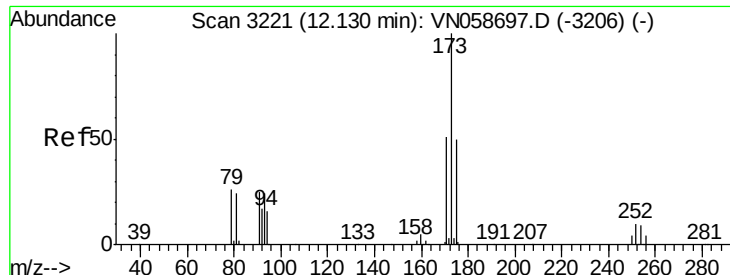
#70
Styrene
Concen: 0.445 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion:104 Resp: 5779
Ion Ratio Lower Upper
104 100
78 51.4 42.2 63.2
103 54.1 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.511 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

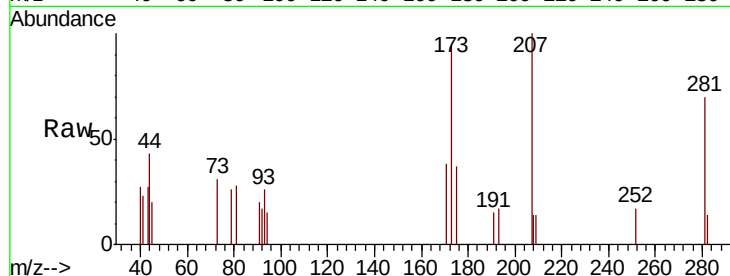
Tot Ion:173 Resp: 1695

Ion Ratio Lower Upper

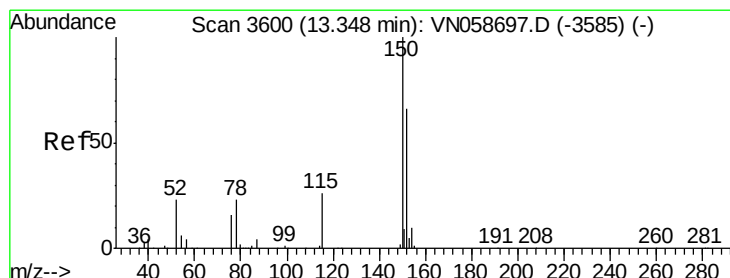
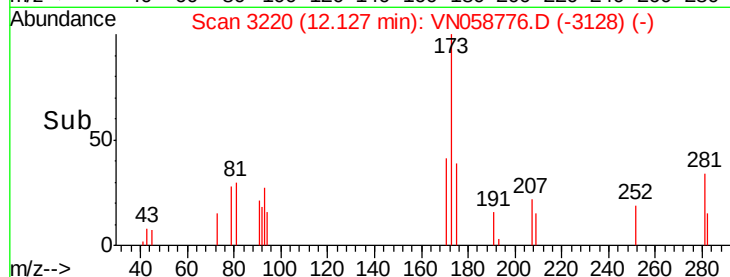
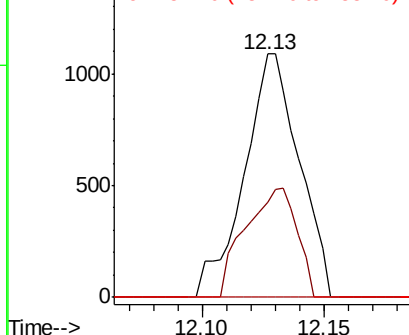
173 100

175 42.5 24.6 73.8

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

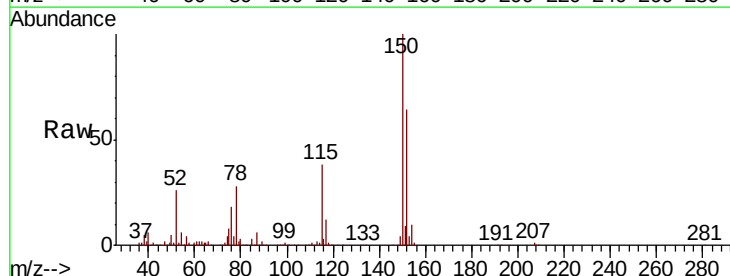
Tgt Ion:152 Resp: 247379

Ion Ratio Lower Upper

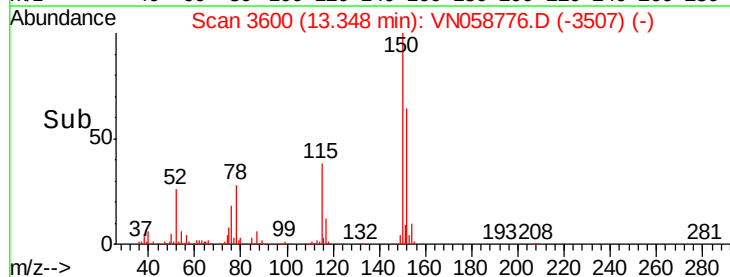
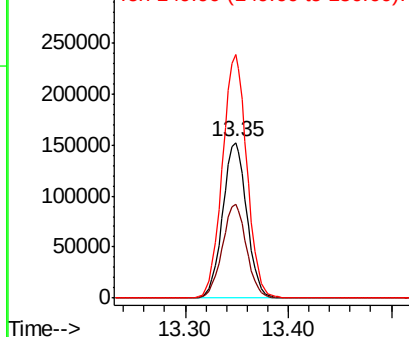
152 100

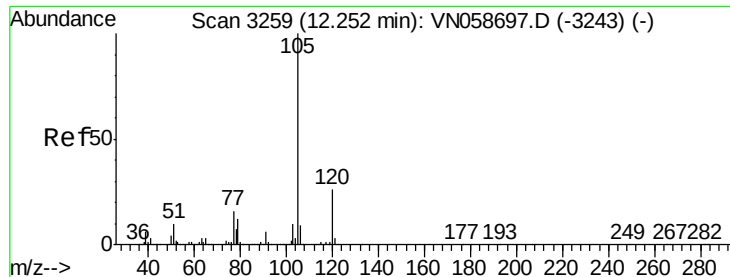
115 60.0 30.4 91.2

150 158.4 0.0 345.4



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

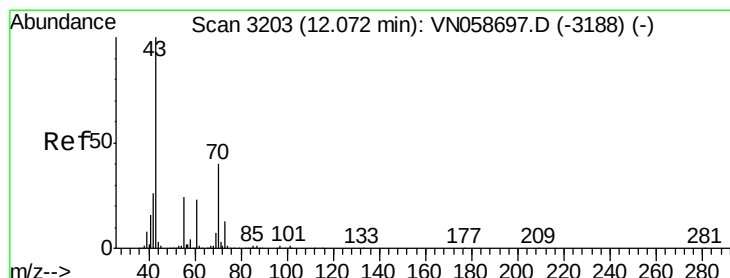
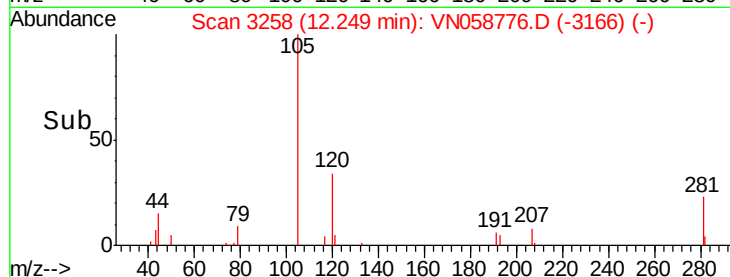
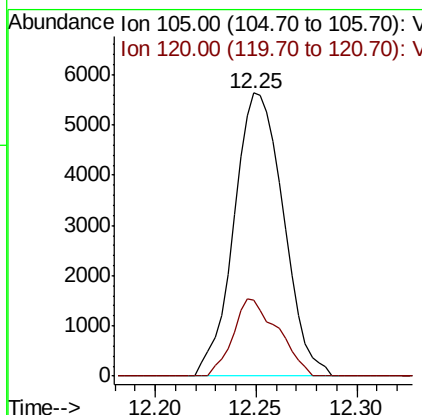
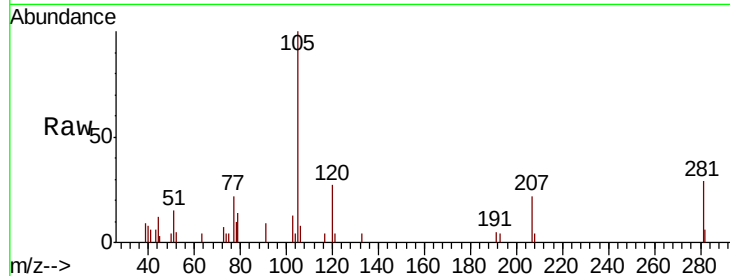




#73
Isopropylbenzene
Concen: 0.540 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

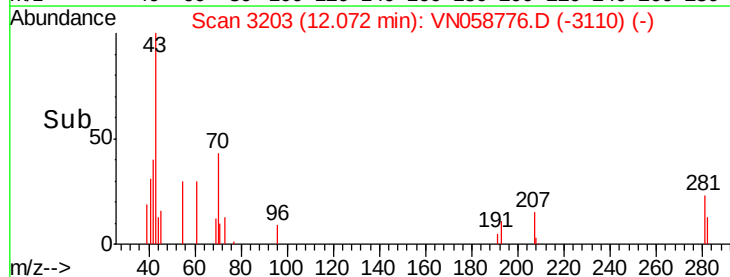
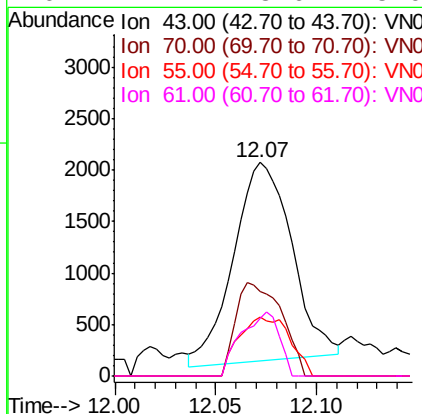
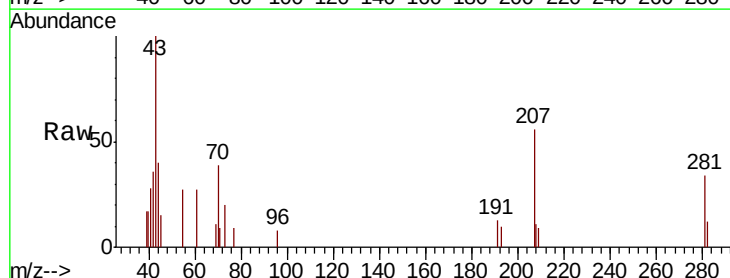
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

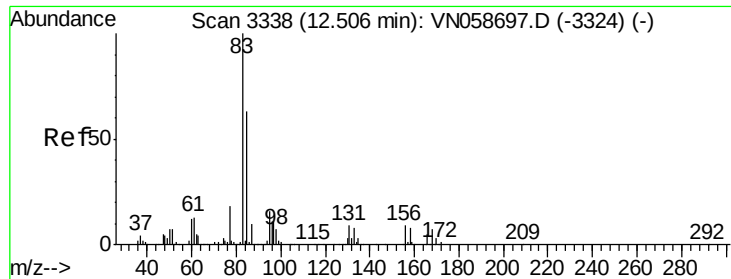
Tot Ion: 105 Resp: 9673
Ion Ratio Lower Upper
105 100
120 24.8 13.1 39.1



#74
N-ethyl acetate
Concen: 0.486 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 43 Resp: 3914
Ion Ratio Lower Upper
43 100
70 36.7 32.2 48.4
55 26.0 19.6 29.4
61 21.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.605 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

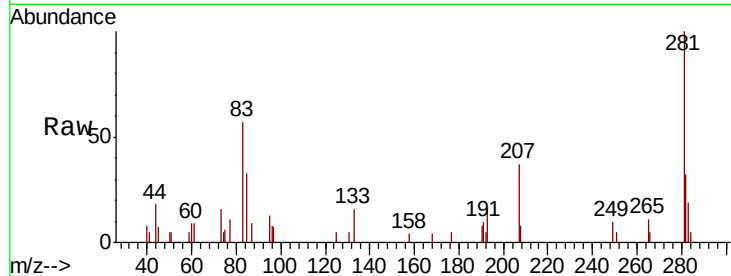
Tot Ion: 83 Resp: 3571

Ion Ratio Lower Upper

83 100

131 3.1 4.8 14.4#

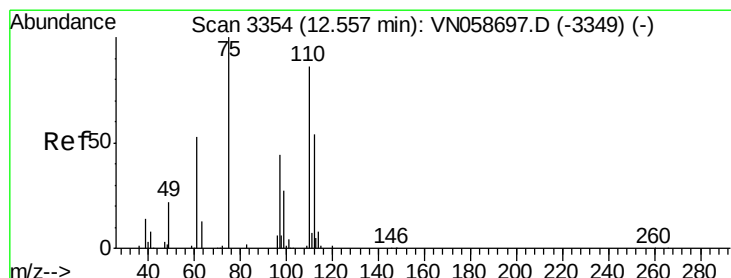
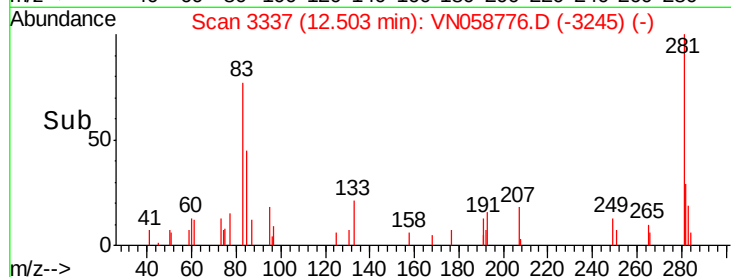
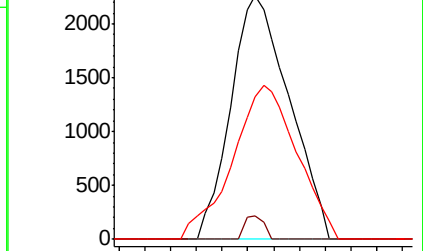
85 69.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.139 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058776.D

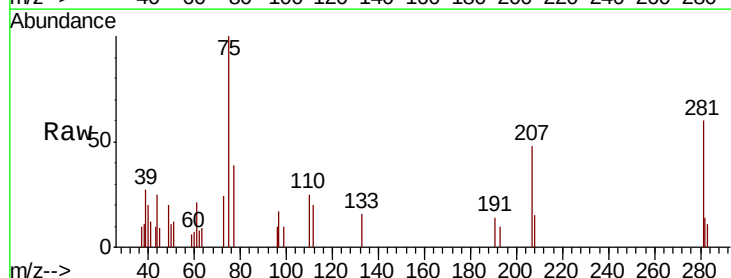
Acq: 15 Oct 2019 12:58

Tgt Ion: 75 Resp: 6182

Ion Ratio Lower Upper

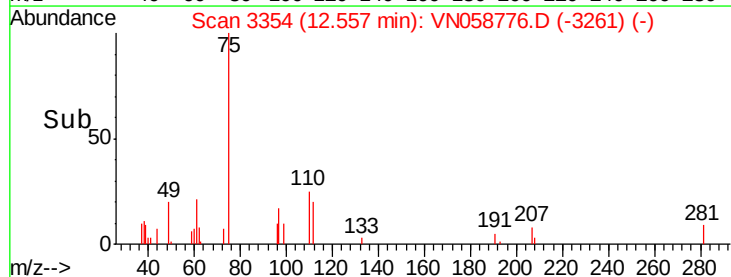
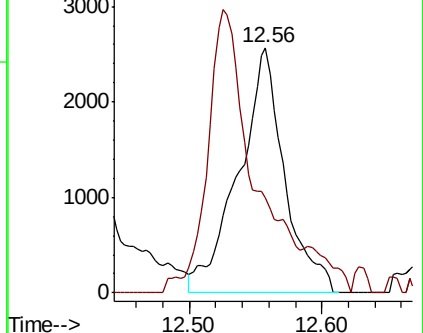
75 100

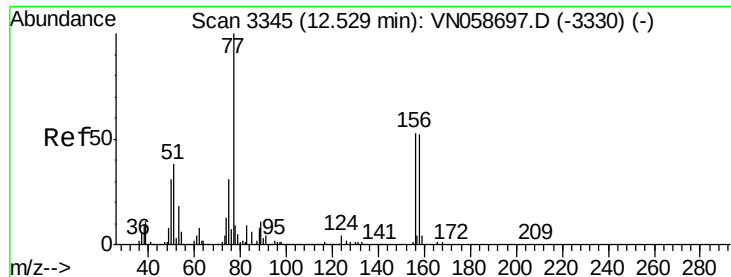
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.657 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

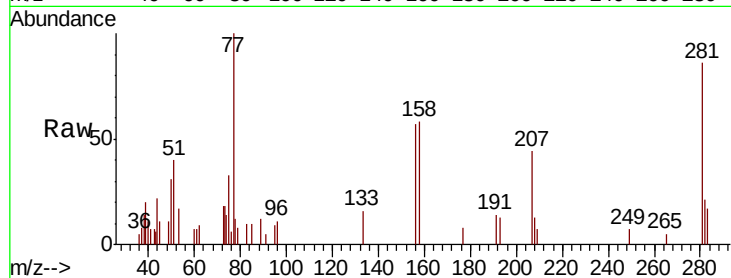
Tot Ion:156 Resp: 2865

Ion Ratio Lower Upper

156 100

77 245.1 115.8 347.3

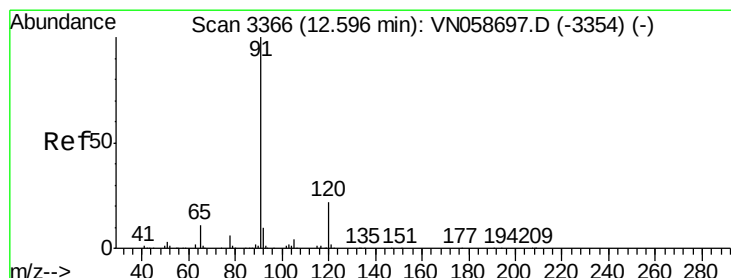
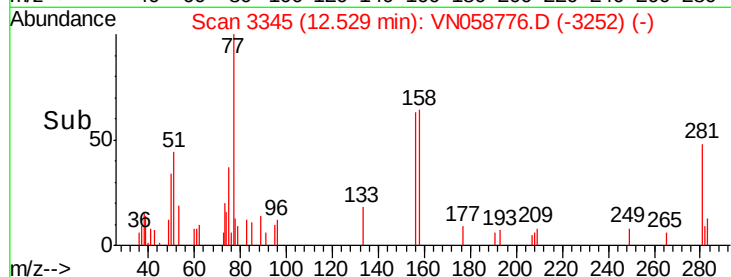
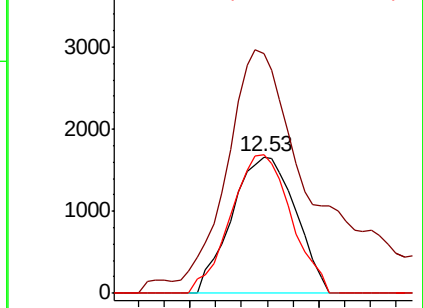
158 96.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.584 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058776.D

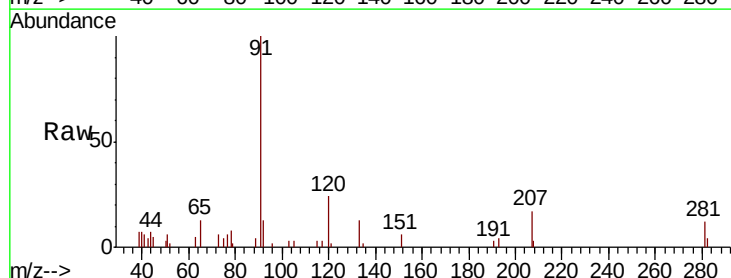
Acq: 15 Oct 2019 12:58

Tgt Ion: 91 Resp: 12186

Ion Ratio Lower Upper

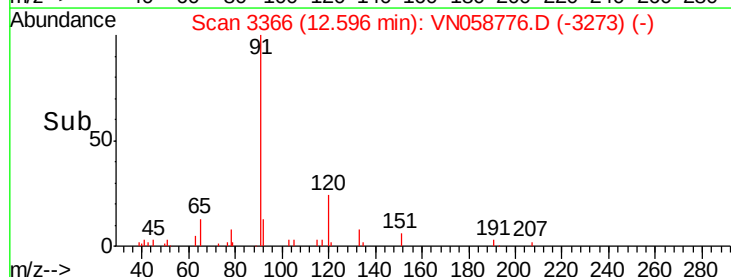
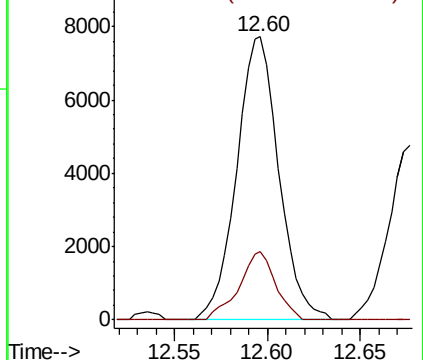
91 100

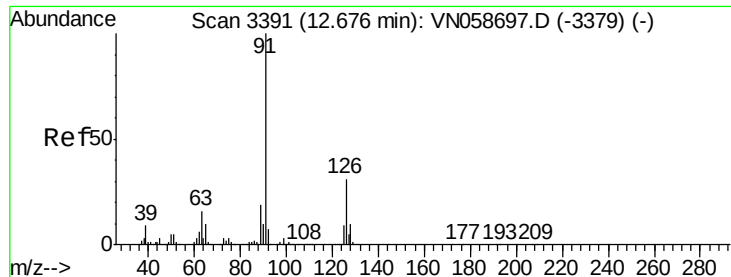
120 20.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.597 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

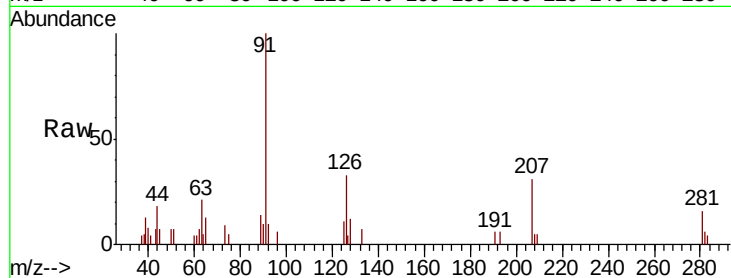
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 91 Resp: 7739

Ion Ratio Lower Upper

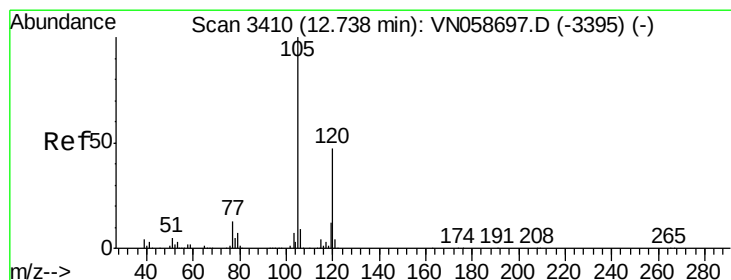
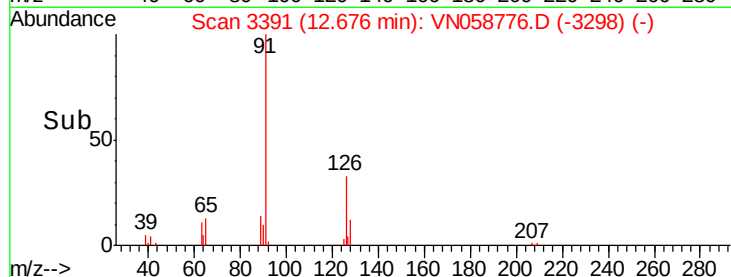
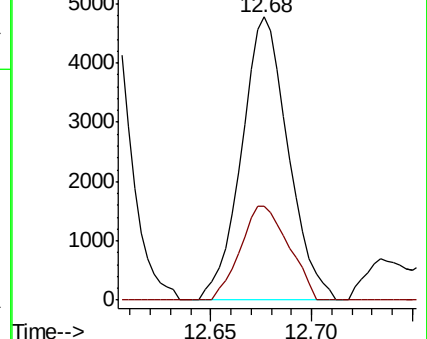
91 100

126 34.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.558 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058776.D

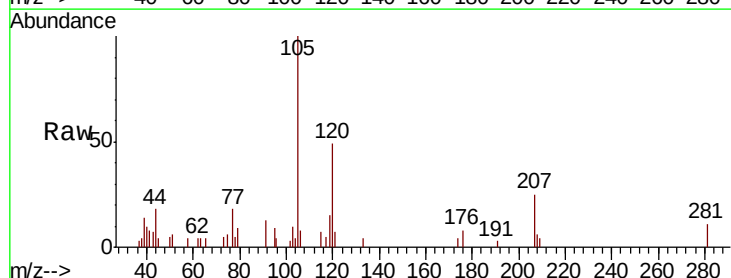
Acq: 15 Oct 2019 12:58

Tgt Ion: 105 Resp: 8535

Ion Ratio Lower Upper

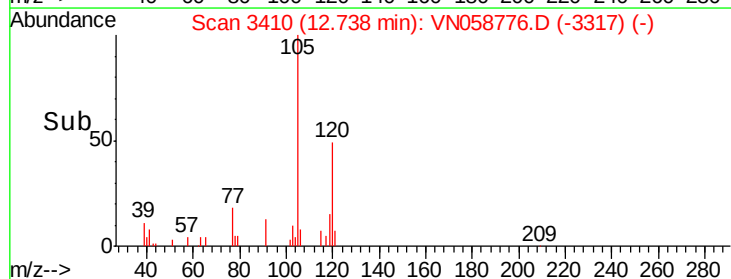
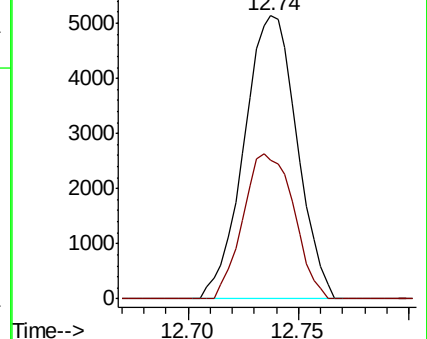
105 100

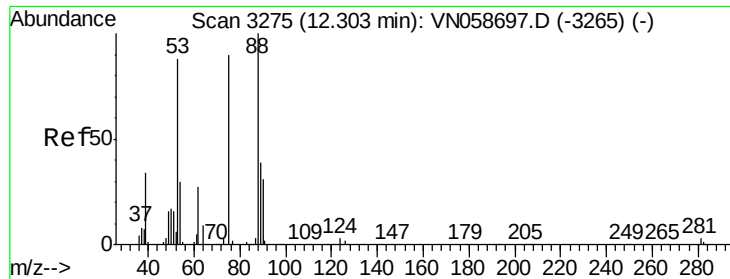
120 49.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

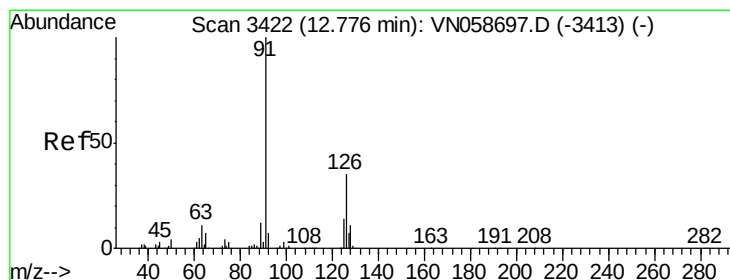
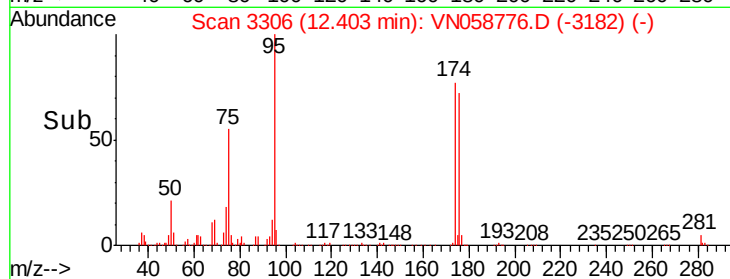
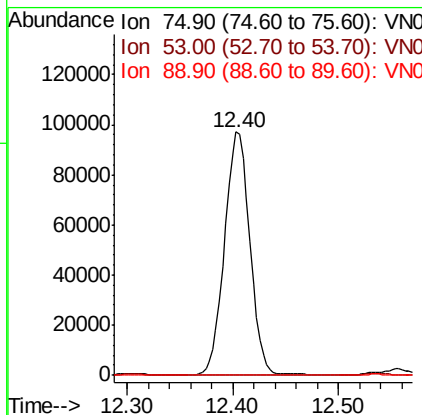
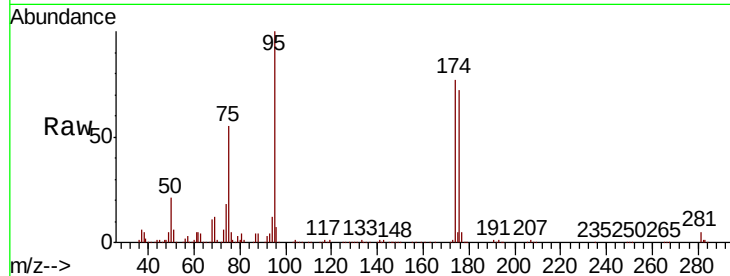




#81
trans-1,4-Dichloro-2-butene
Concen: 79.227 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

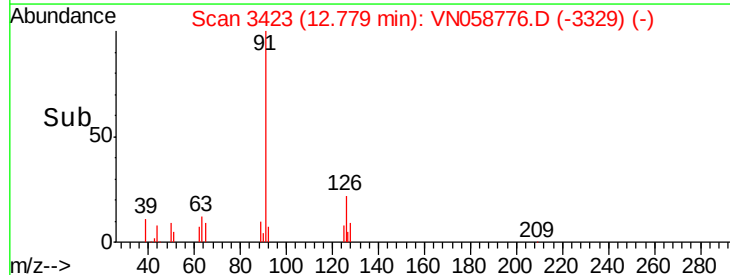
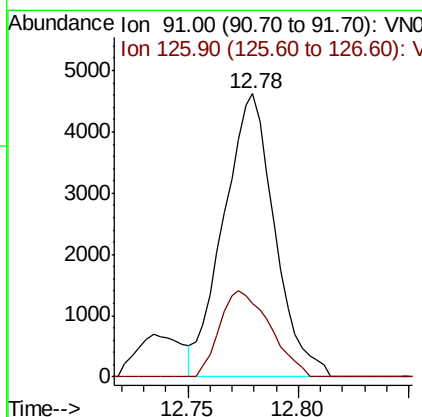
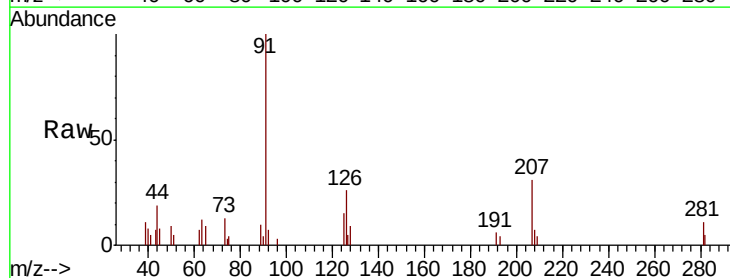
Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

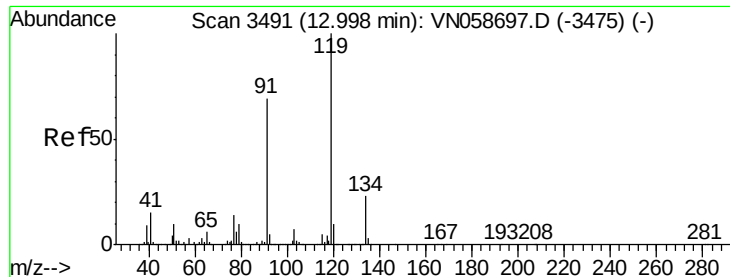
Tot Ion: 75 Resp: 160511
Ion Ratio Lower Upper
75 100
53 0.0 78.4 117.6#
89 0.0 34.9 52.3#



#82
4-Chlorotoluene
Concen: 0.559 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058776.D
Acq: 15 Oct 2019 12:58

Tgt Ion: 91 Resp: 7430
Ion Ratio Lower Upper
91 100
126 30.0 15.9 47.6





#83

tert-Butylbenzene

Concen: 0.540 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

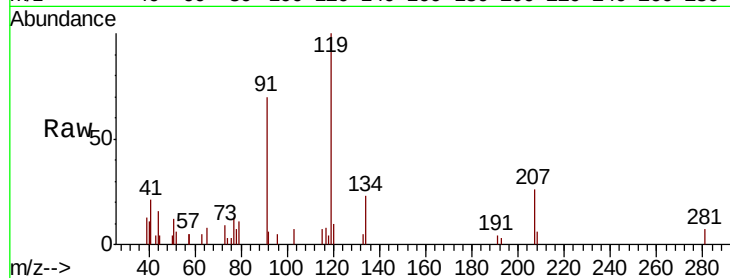
Tot Ion:119 Resp: 7073

Ion Ratio Lower Upper

119 100

91 75.9 33.8 101.3

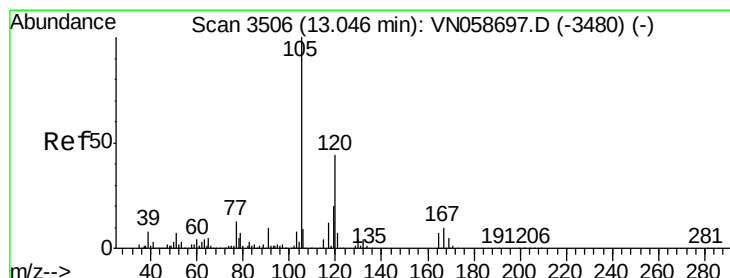
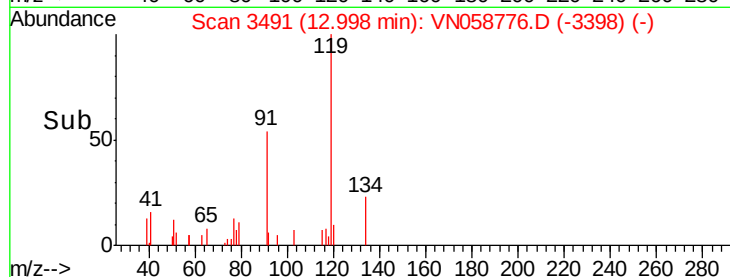
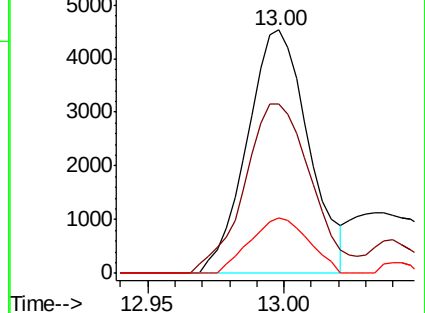
134 21.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.527 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058776.D

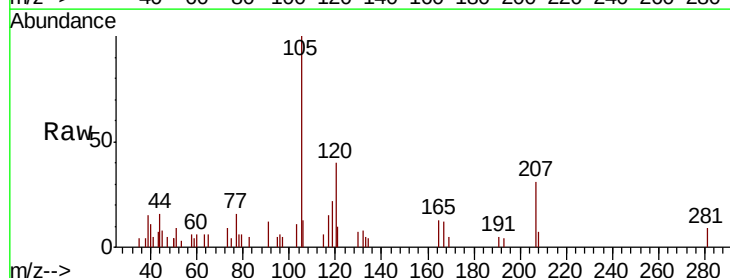
Acq: 15 Oct 2019 12:58

Tgt Ion:105 Resp: 8000

Ion Ratio Lower Upper

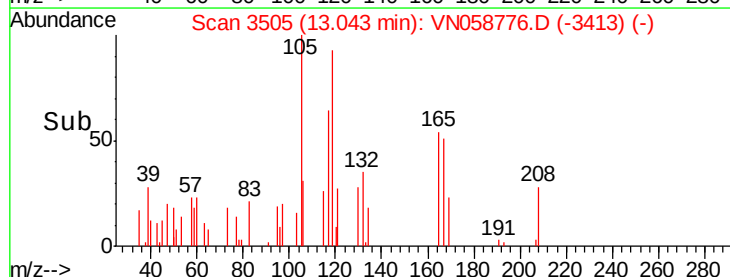
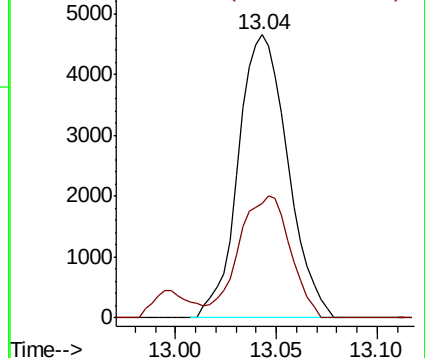
105 100

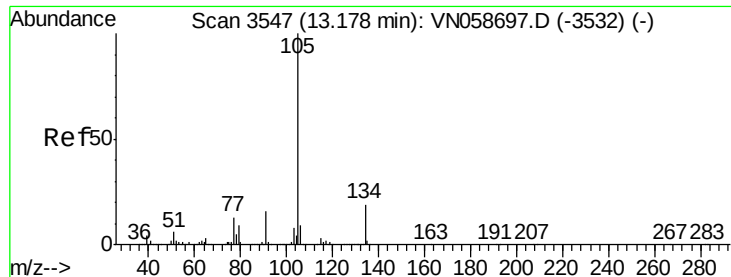
120 44.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.510 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

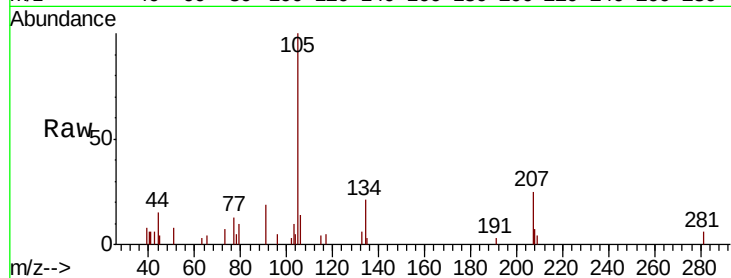
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:105 Resp: 8804

Ion Ratio Lower Upper

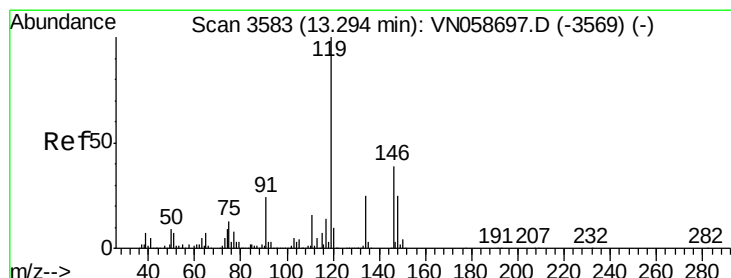
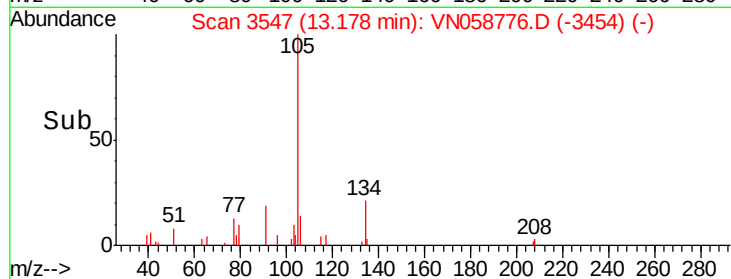
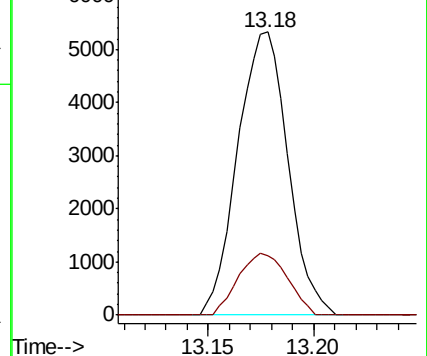
105 100

134 21.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.472 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

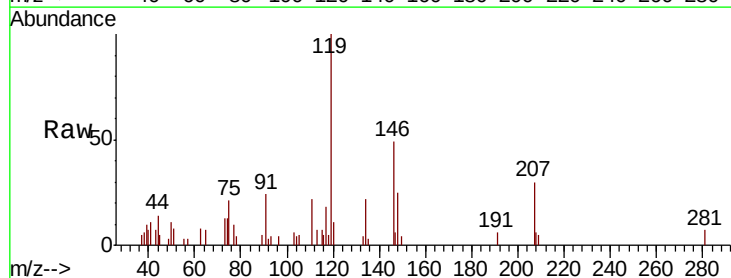
Tgt Ion:119 Resp: 7413

Ion Ratio Lower Upper

119 100

134 23.0 12.7 38.1

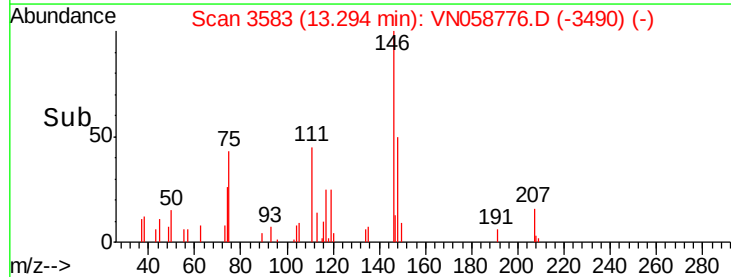
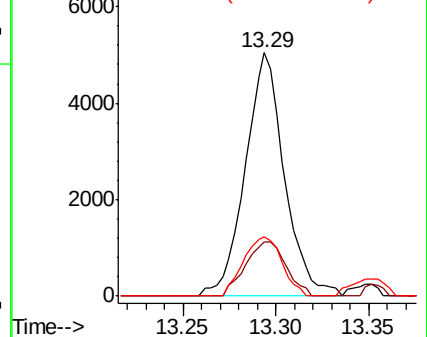
91 24.0 11.9 35.5

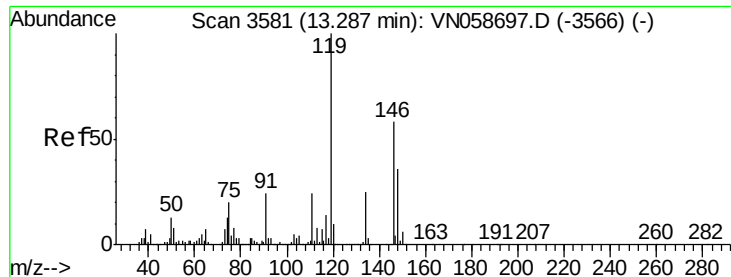


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

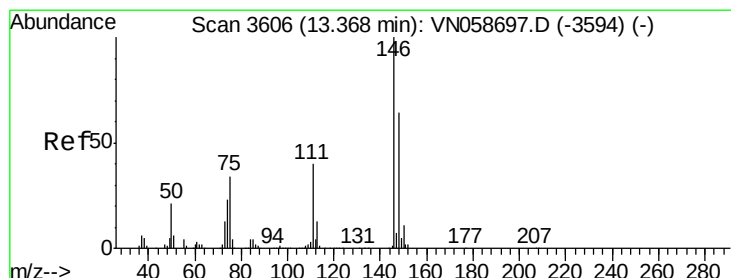
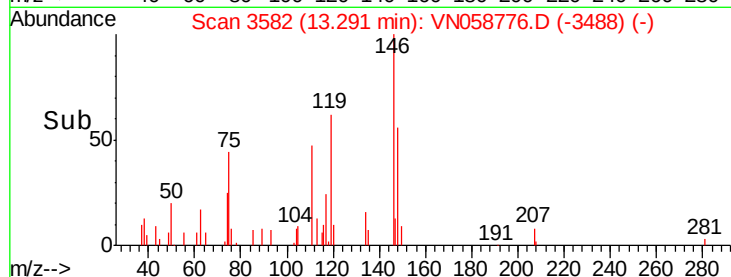
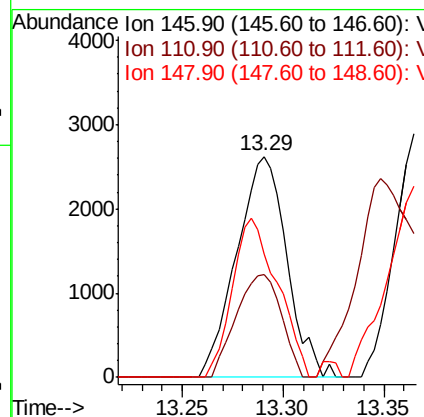
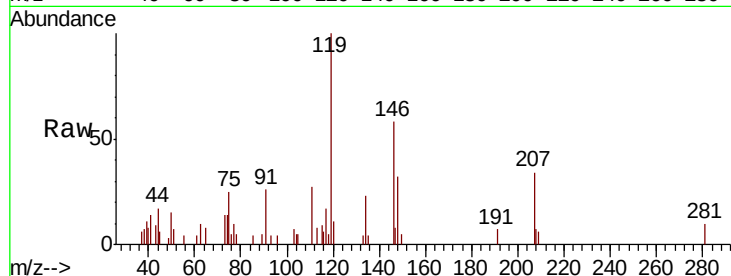




#87
 1,3-Dichlorobenzene
 Concen: 0.566 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

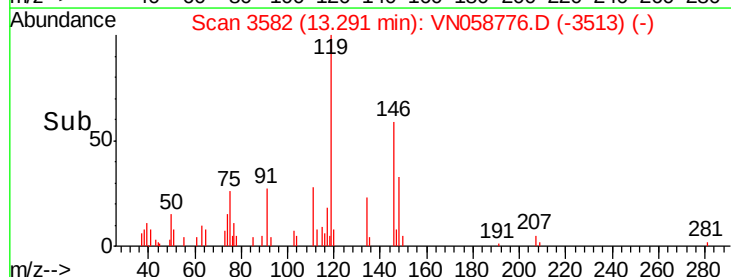
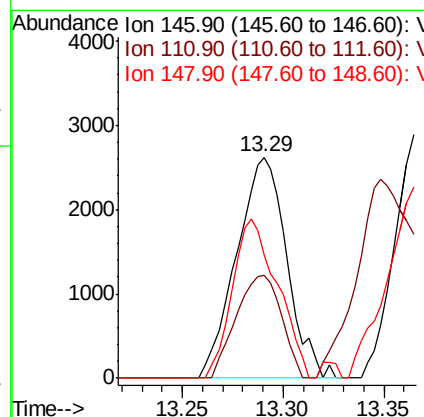
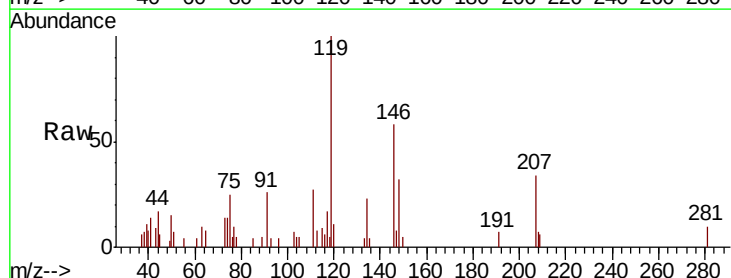
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

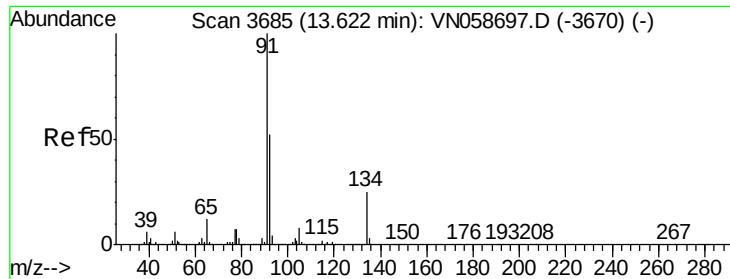
Tot Ion:146 Resp: 4548
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.5 61.6
 148 65.2 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 0.557 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion:146 Resp: 4548
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.1 60.2
 148 65.2 31.9 95.7





#89

n-Butylbenzene

Concen: 0.502 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

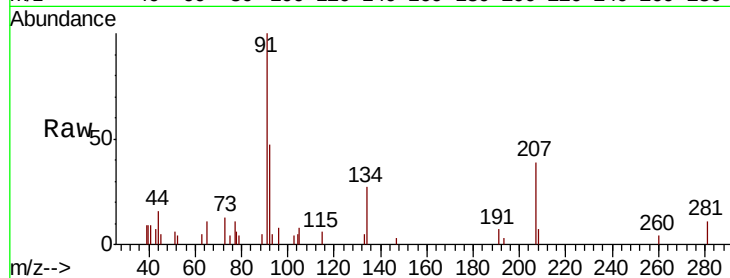
Tot Ion: 91 Resp: 7291

Ion Ratio Lower Upper

91 100

92 48.1 26.0 78.0

134 23.5 12.2 36.6

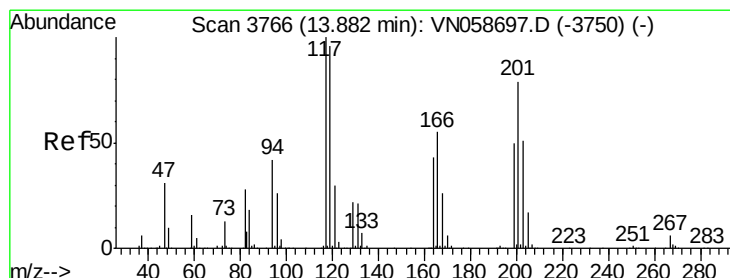
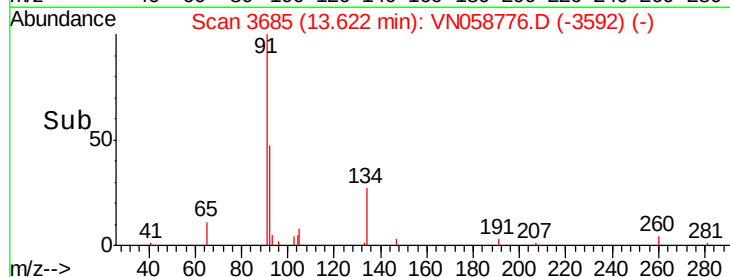


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 0.584 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058776.D

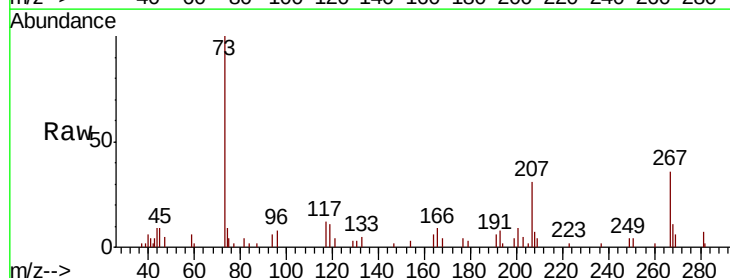
Acq: 15 Oct 2019 12:58

Tgt Ion: 117 Resp: 1641

Ion Ratio Lower Upper

117 100

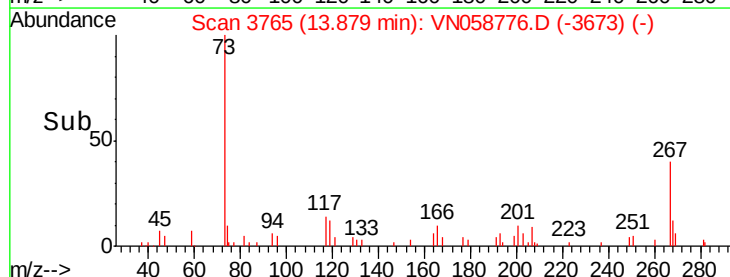
201 69.8 39.6 118.7

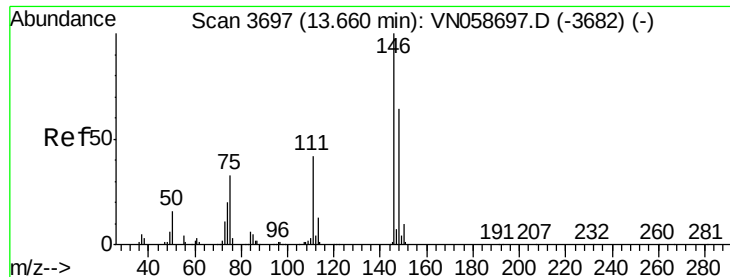


Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

Time--> 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 0.604 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

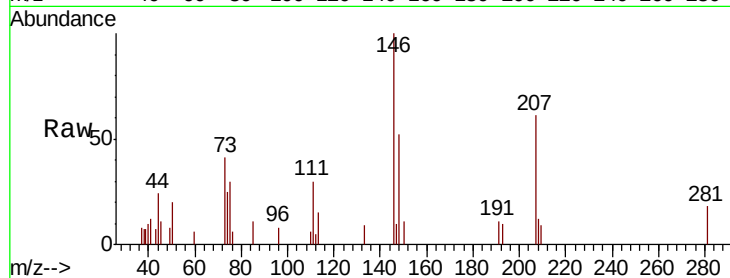
Tot Ion:146 Resp: 4731

Ion Ratio Lower Upper

146 100

111 39.8 21.1 63.4

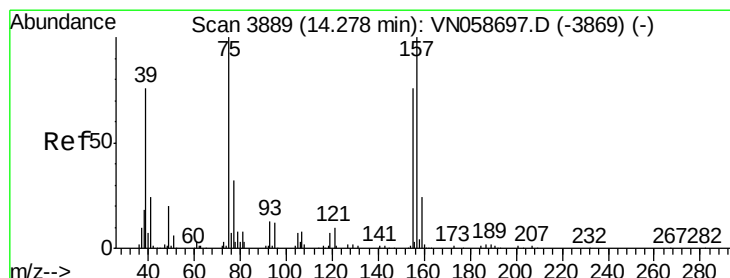
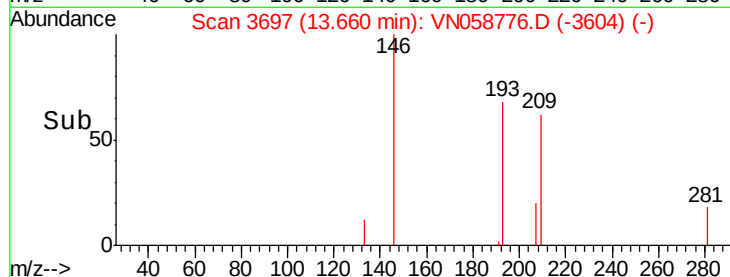
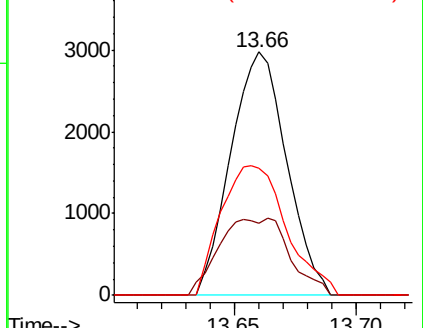
148 62.7 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.690 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

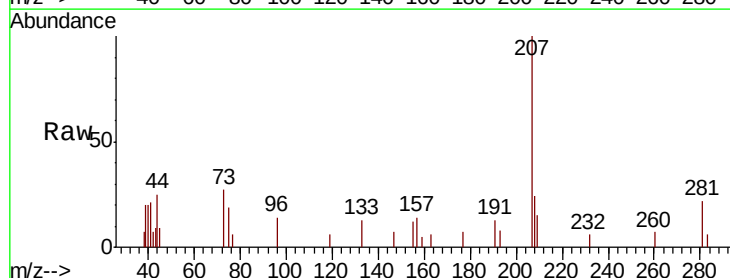
Tgt Ion: 75 Resp: 951

Ion Ratio Lower Upper

75 100

155 28.8 37.9 113.6#

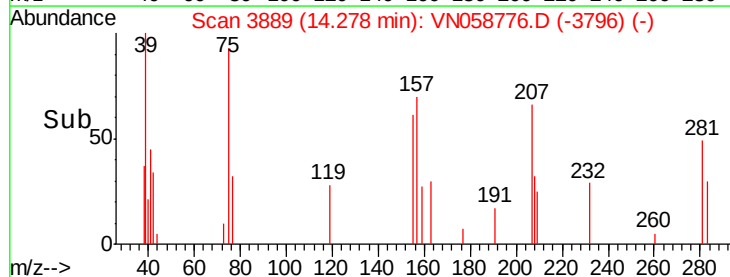
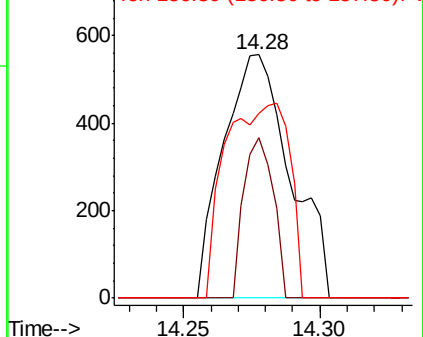
157 76.6 49.4 148.2

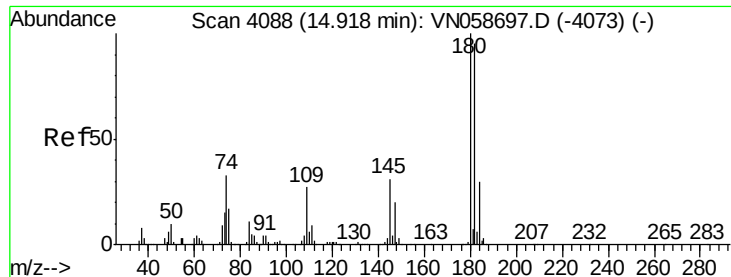


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

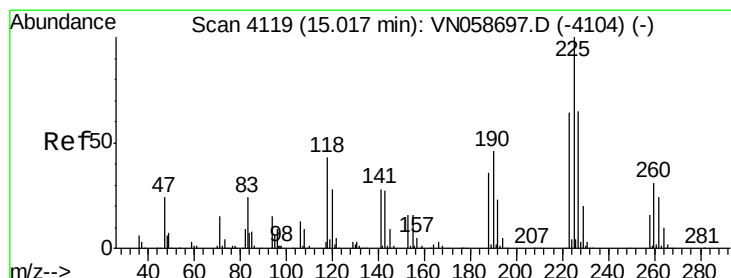
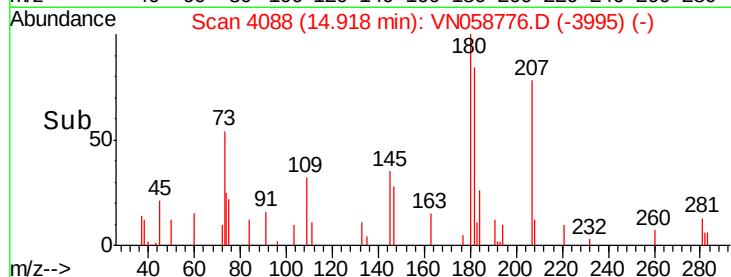
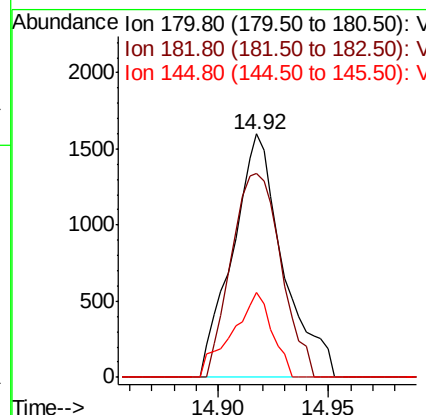
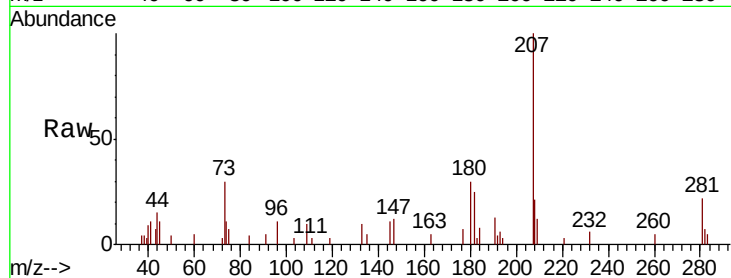




#93
 1,2,4-Trichlorobenzene
 Concen: 0.531 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

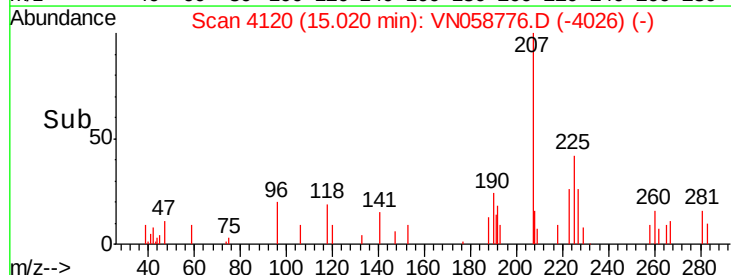
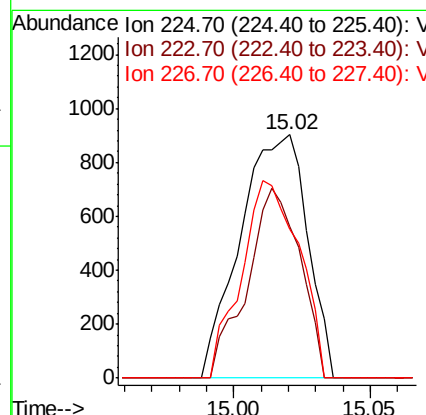
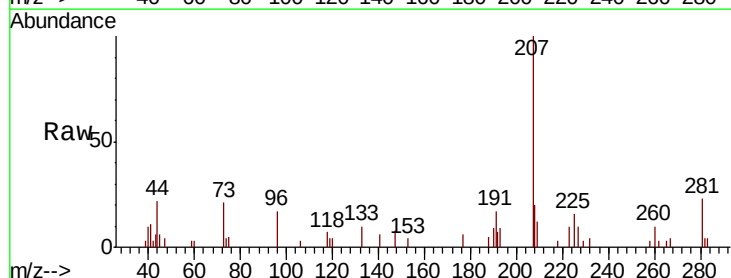
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

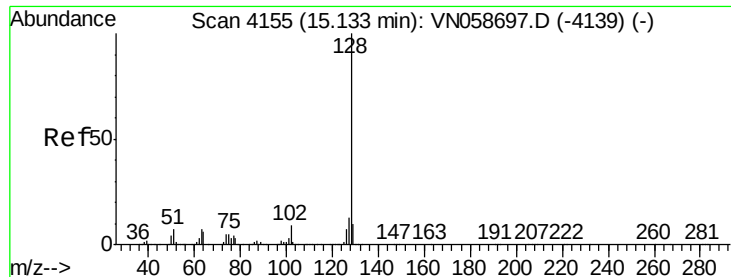
Tot Ion:180 Resp: 2538
 Ion Ratio Lower Upper
 180 100
 182 82.6 47.4 142.2
 145 27.7 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.612 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN058776.D
 Acq: 15 Oct 2019 12:58

Tgt Ion:225 Resp: 1540
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.3 96.8
 227 69.8 32.4 97.0





#95

Naphthalene

Concen: 0.514 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

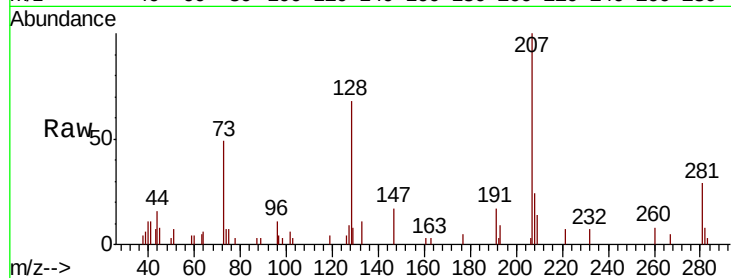
Tot Ion:128 Resp: 7052

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

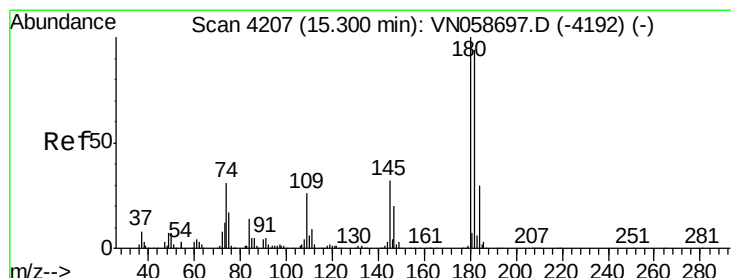
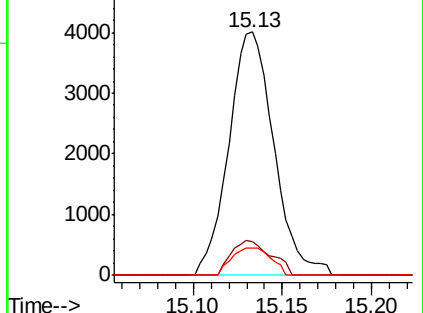
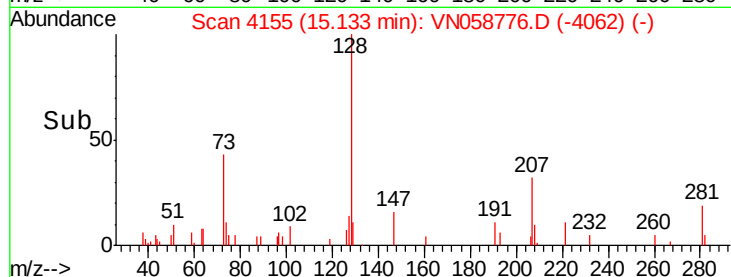
129 9.8 8.5 12.7



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: 0.535 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058776.D

Acq: 15 Oct 2019 12:58

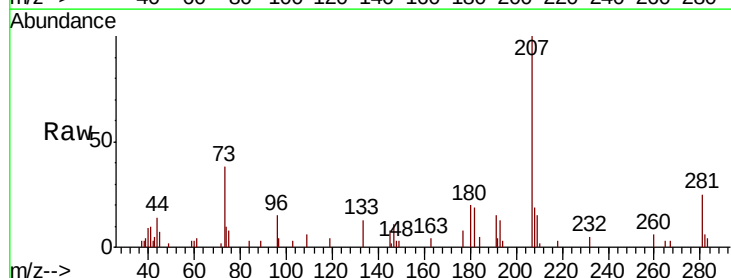
Tgt Ion:180 Resp: 2496

Ion Ratio Lower Upper

180 100

182 92.7 47.3 142.0

145 16.7 16.2 48.6



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

