

Data File : VN060442.D
Acq On : 11 Mar 2020 12:10
Operator : JC/MD
Sample : L1759-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

Quant Time: Mar 12 03:35:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138362	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	124940	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.57	113	93533	64.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.34%	
50) Toluene-d8	10.08	98	390367	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	148827	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds					Qvalue	
16) Acetone	3.79	43	10959	13.781	ug/l	98
17) Carbon Disulfide	4.03	76	198	Below Cal	#	75
18) Methyl Acetate	4.30	43	1866	0.703	ug/l #	59
20) Methylene Chloride	4.53	84	10644	4.874	ug/l	97
25) 2-Butanone	6.82	43	1923	1.497	ug/l #	49
31) Cyclohexane	7.64	56	4091	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14637	4.891	ug/l #	49
37) Ethyl Acetate	6.82	43	1923	0.679	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18693	6.415	ug/l #	15
43) Isopropyl Acetate	8.14	43	69116	13.932	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1356	0.595	ug/l #	44
48) Methyl methacrylate	9.16	41	3612	1.597	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5643	2.006	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	29495	7.729	ug/l #	59
56) Ethyl methacrylate	10.53	69	637	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4823	1.344	ug/l #	42
59) 2-Hexanone	10.75	43	68945	33.385	ug/l #	53
74) N-amyl acetate	12.02	43	4359	0.973	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74808	24.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74808	68.026	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	140	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	279	Below Cal	#	1
95) Naphthalene	15.13	128	11879	1.176	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	181	Below Cal	#	86

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

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```
ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

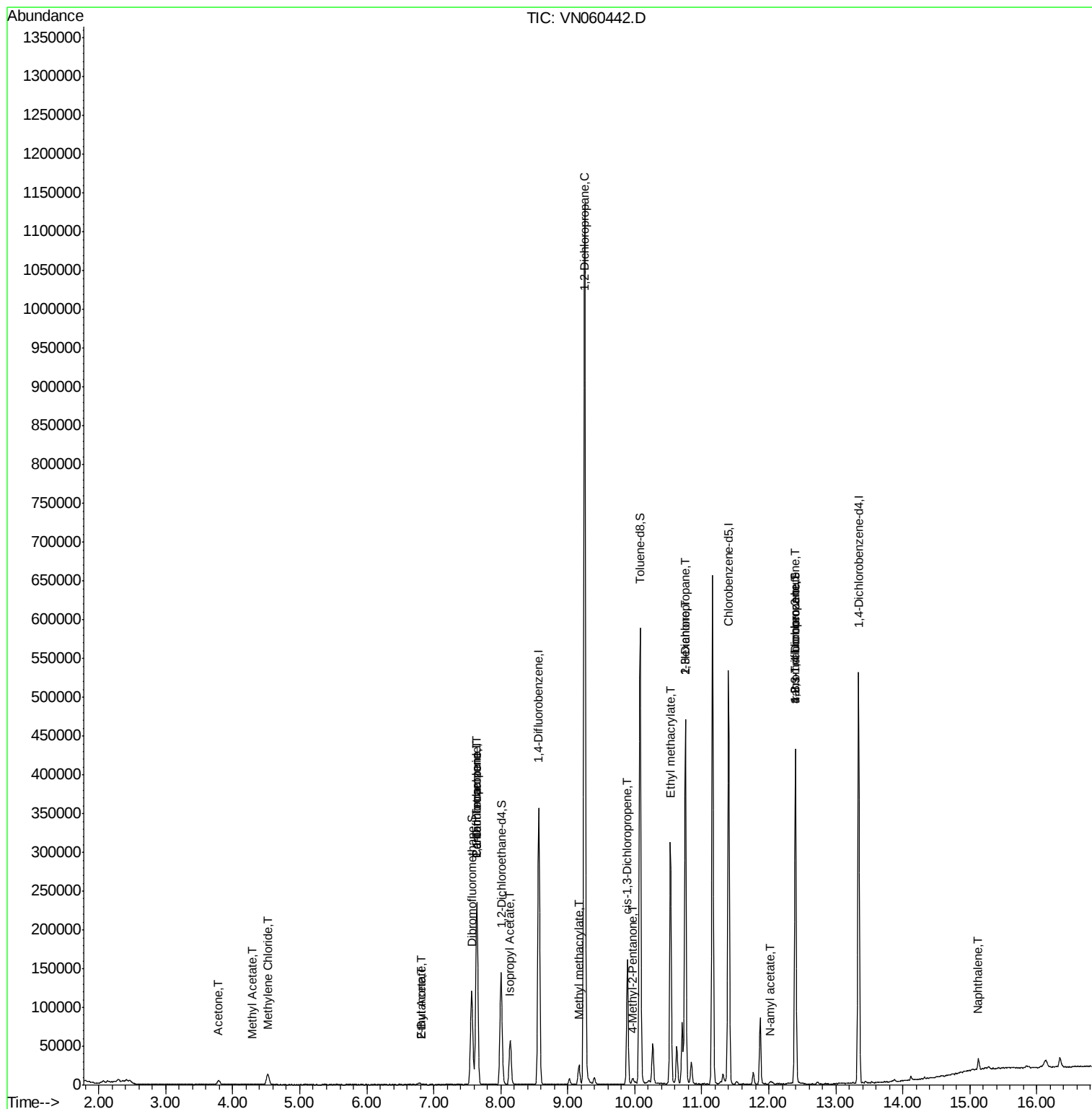
Quant Time: Mar 12 03:35:42 2020

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_N\METHODS\82N022720W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 27 13:52:50 2020

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

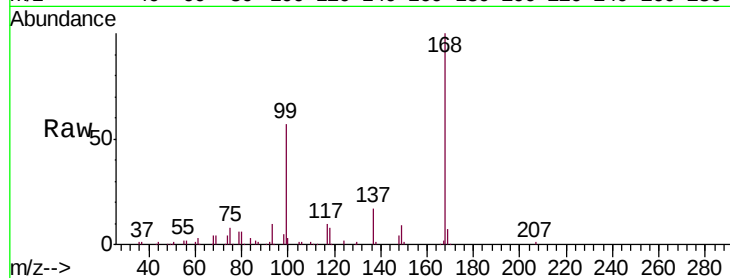
OR-031020

Tgt Ion:168 Resp: 191939

Ion Ratio Lower Upper

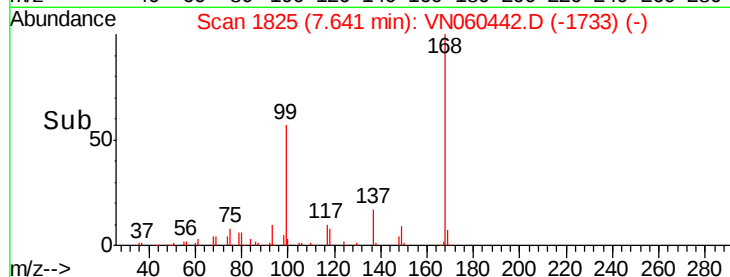
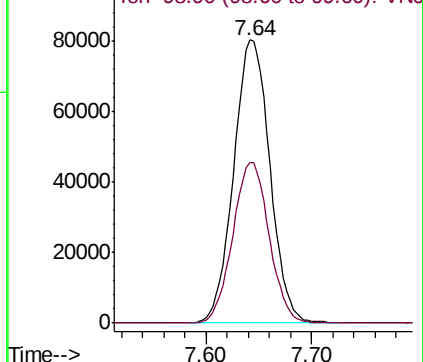
168 100

99 56.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 13.781 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060442.D

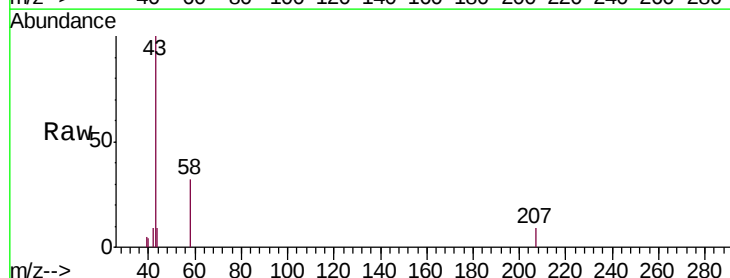
Acq: 11 Mar 2020 12:10

Tgt Ion: 43 Resp: 10959

Ion Ratio Lower Upper

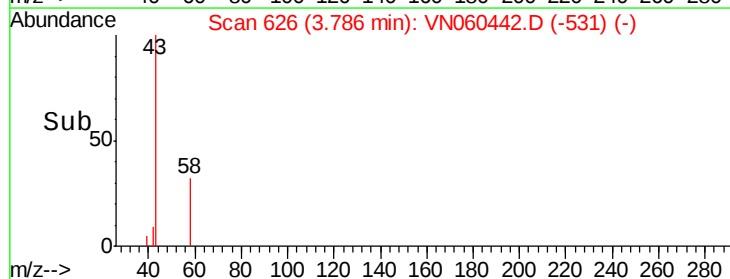
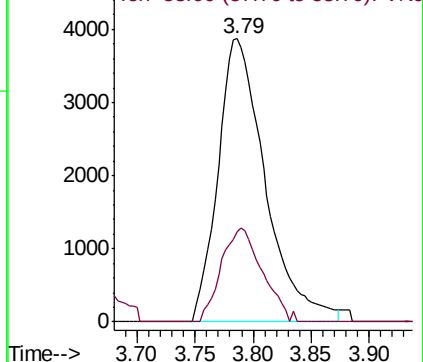
43 100

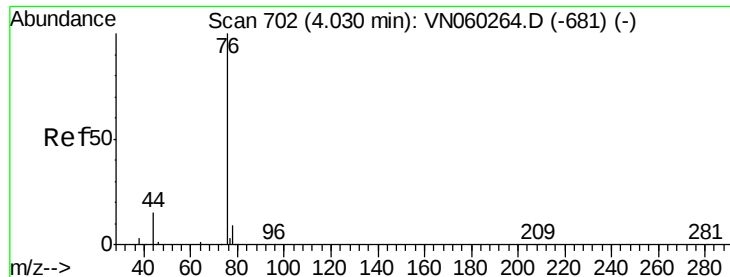
58 31.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

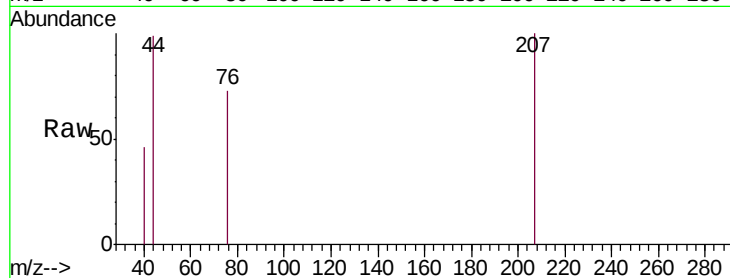
OR-03-031020

Tgt Ion: 76 Resp: 198

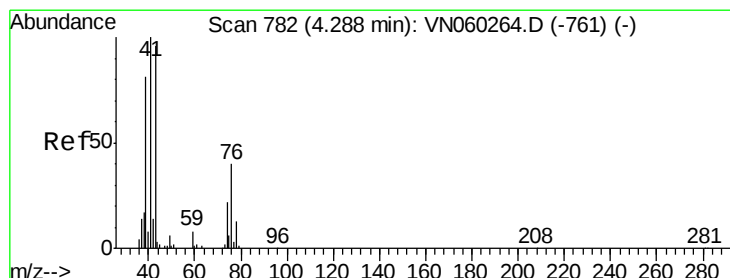
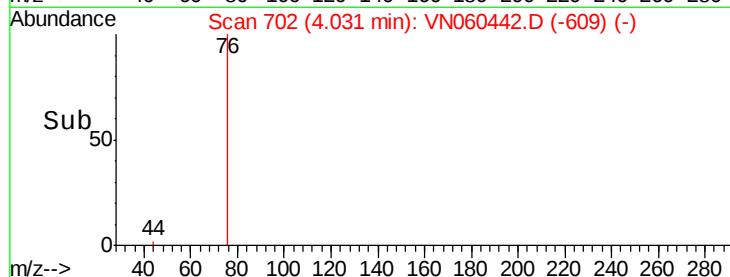
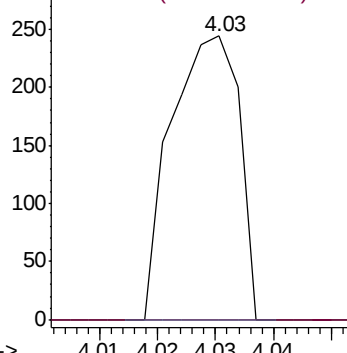
Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060442.D (-609) (-)



#18

Methyl Acetate

Concen: 0.703 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060442.D

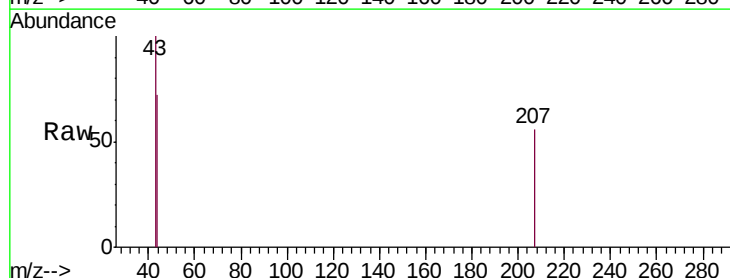
Acq: 11 Mar 2020 12:10

Tgt Ion: 43 Resp: 1866

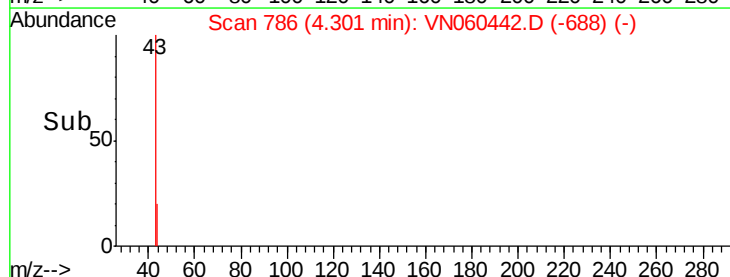
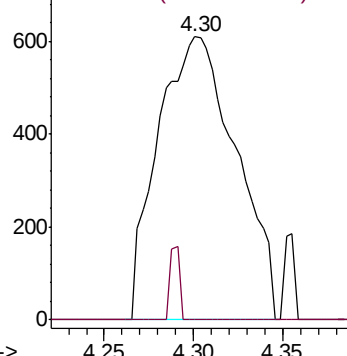
Ion Ratio Lower Upper

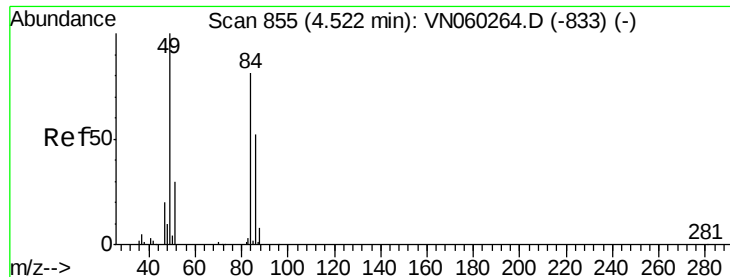
43 100

74 3.2 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060442.D (-688) (-)

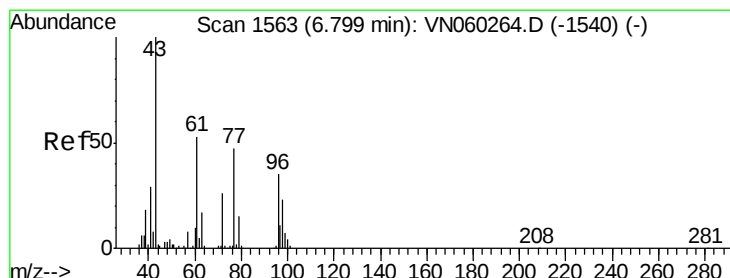
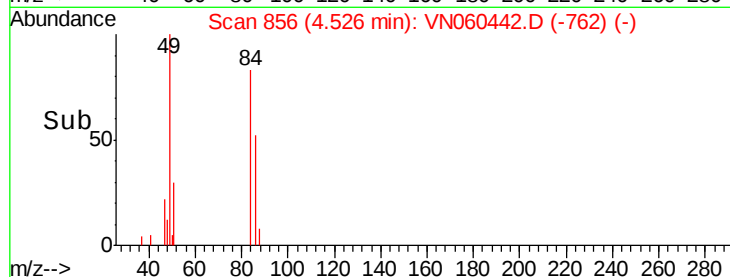
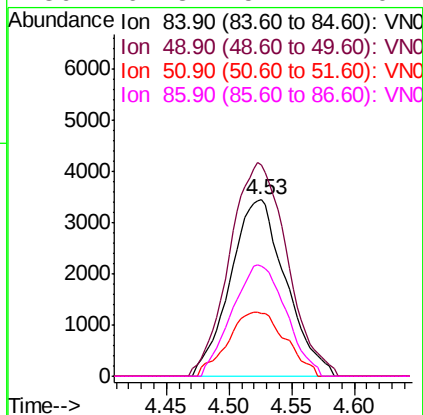
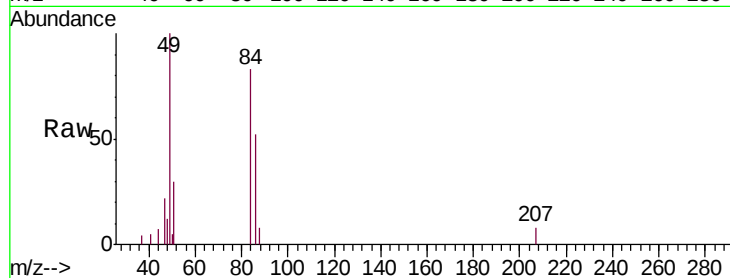




#20
Methylene Chloride
Concen: 4.874 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

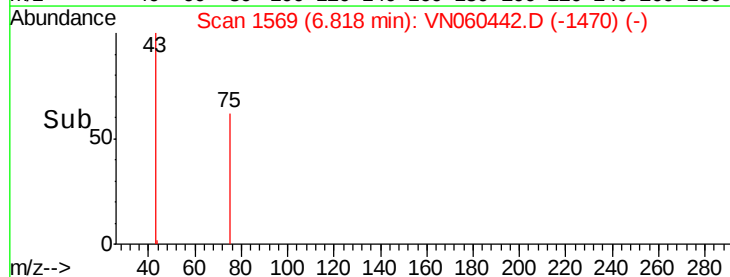
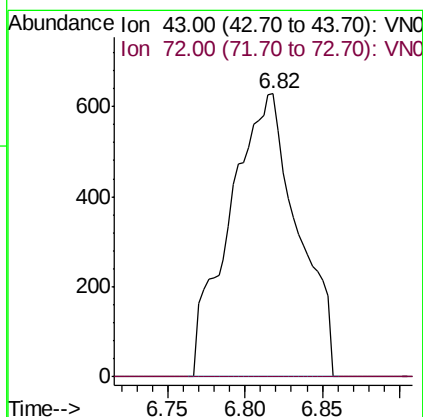
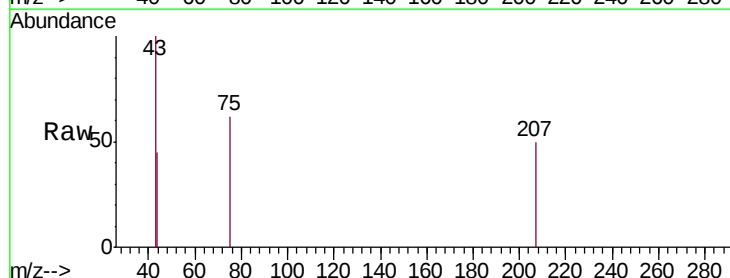
Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

Tgt Ion:	84	Resp:	10644
Ion	Ratio	Lower	Upper
84	100		
49	120.1	99.3	148.9
51	35.9	30.1	45.1
86	62.3	51.1	76.7



#25
2-Butanone
Concen: 1.497 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

Tgt Ion:	43	Resp:	1923
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

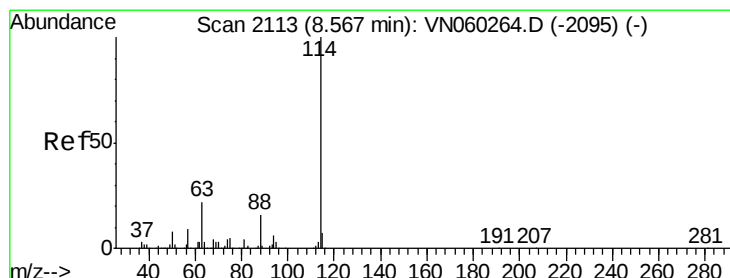
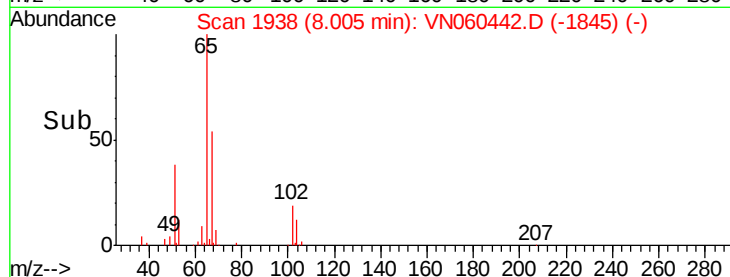
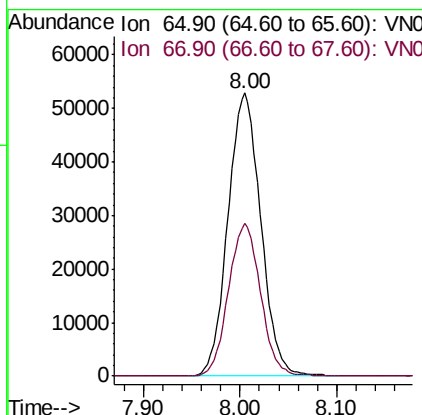
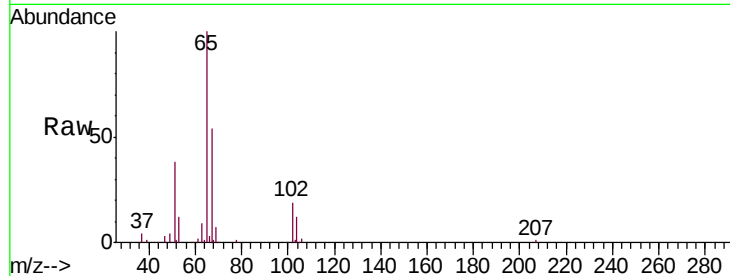




#33
 1,2-Dichloroethane-d4
 Concen: 50.735 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060442.D
 Acq: 11 Mar 2020 12:10

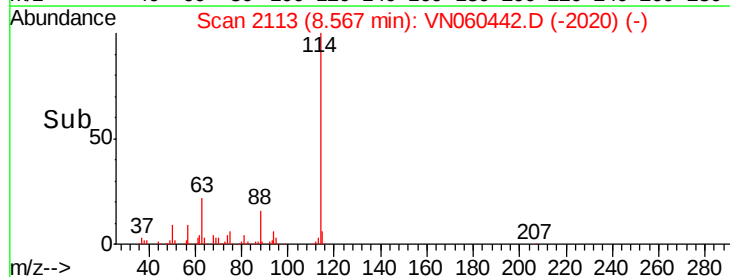
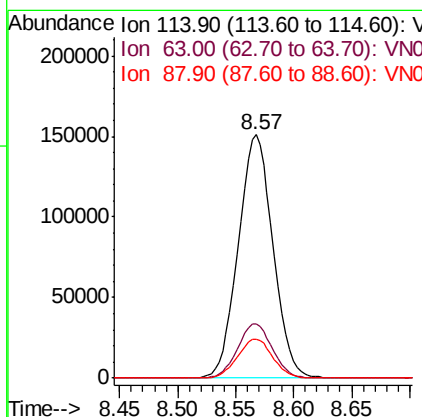
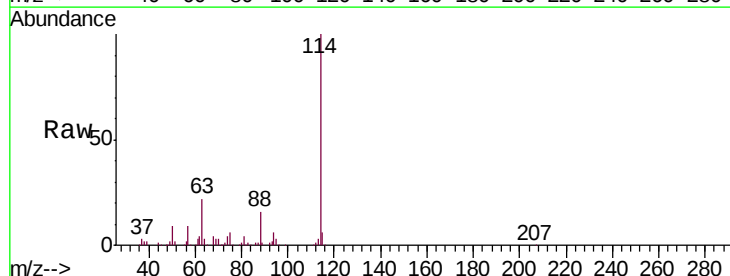
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-031020

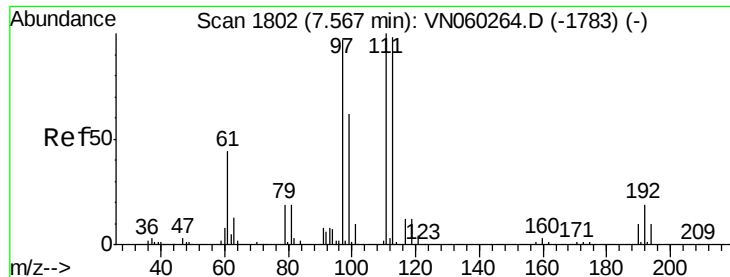
Tgt Ion: 65 Resp: 124940
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060442.D
 Acq: 11 Mar 2020 12:10

Tgt Ion: 114 Resp: 314012
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.2 0.0 31.6

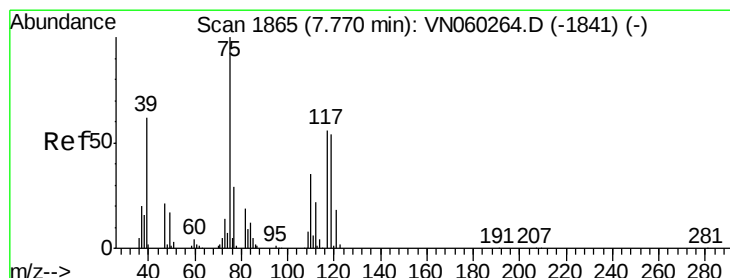
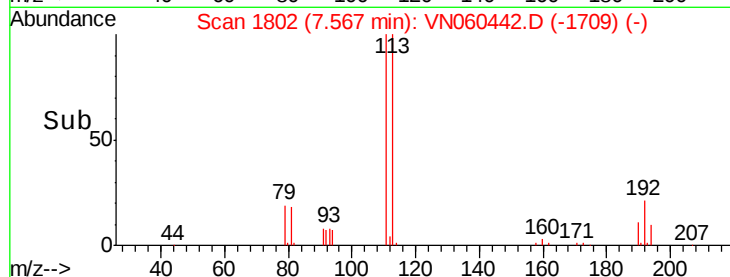
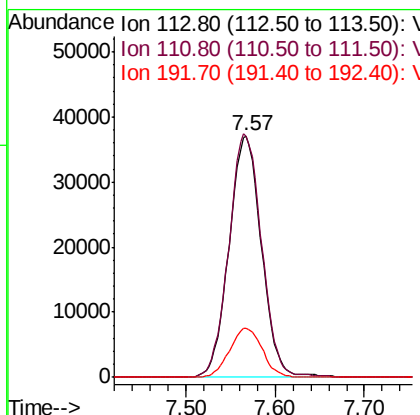
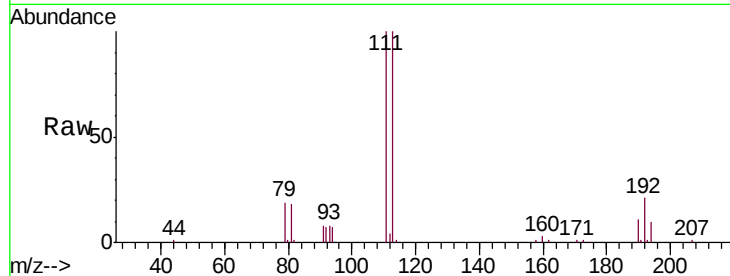




#35
 Dibromofluoromethane
 Concen: 64.172 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060442.D
 Acq: 11 Mar 2020 12:10

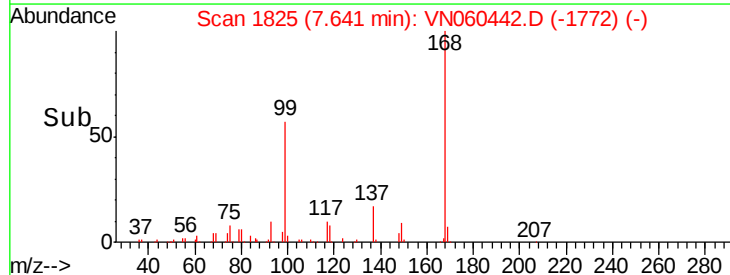
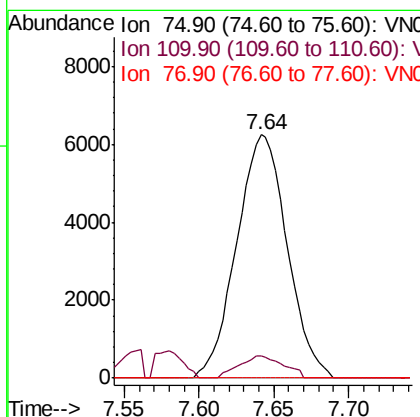
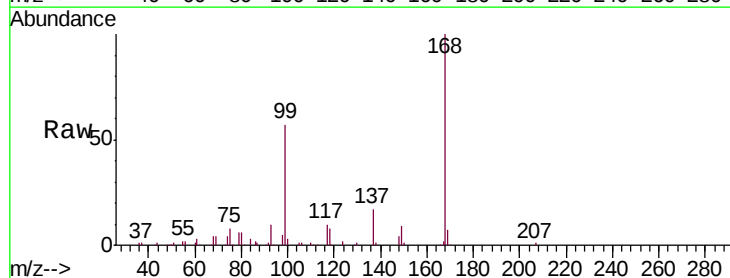
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-031020

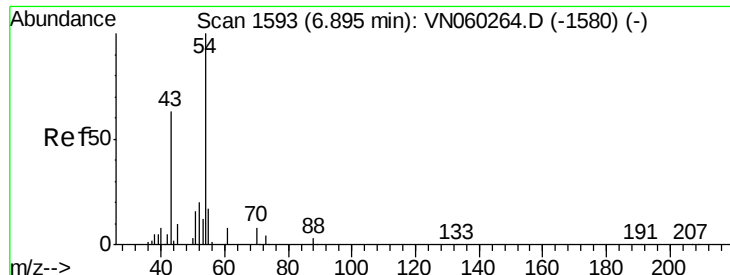
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	20.4	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060442.D
 Acq: 11 Mar 2020 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.3	52.0#
77	0.0	24.2	36.2#





#37

Ethyl Acetate

Concen: 0.679 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.08 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

OR-03-031020

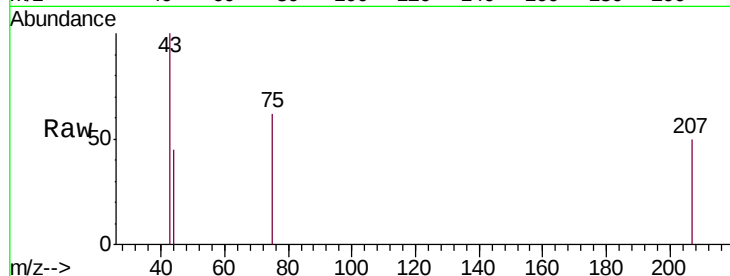
Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

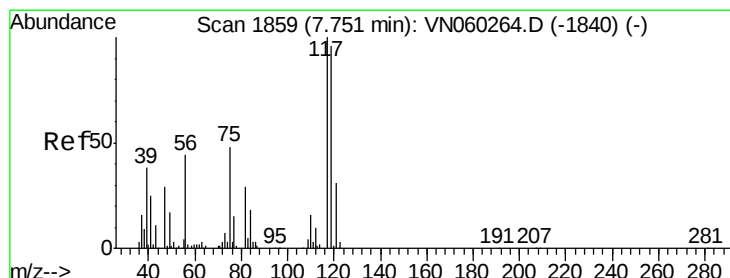
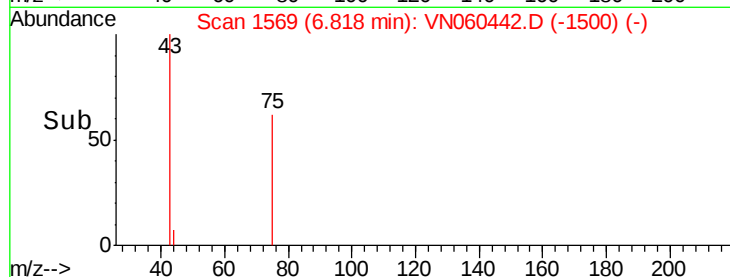
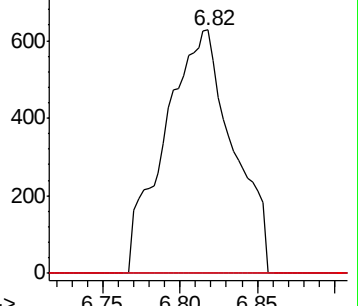
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN060442.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060442.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060442.D (-1500) (-)



#38

Carbon Tetrachloride

Concen: 6.415 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

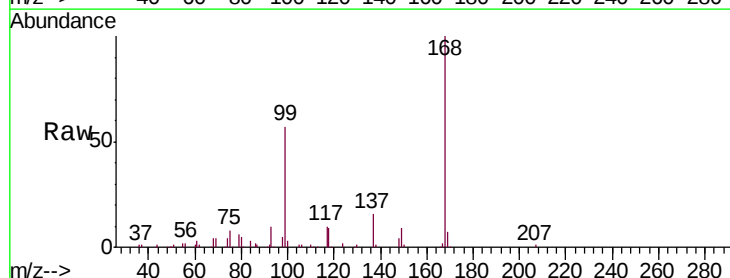
Tgt Ion: 117 Resp: 18693

Ion Ratio Lower Upper

117 100

119 4.0 76.7 115.1#

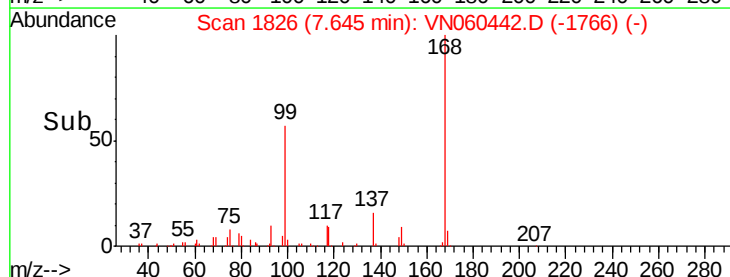
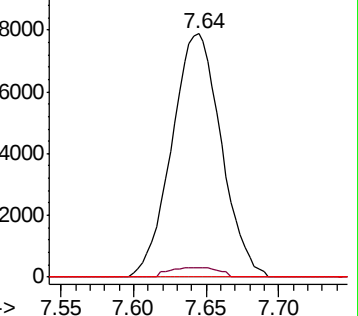
121 0.0 24.5 36.7#

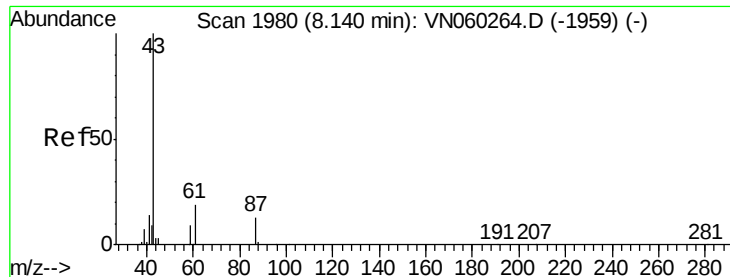


Abundance Ion 116.80 (116.50 to 117.50): VN060442.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060442.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060442.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 13.932 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

OR-03-031020

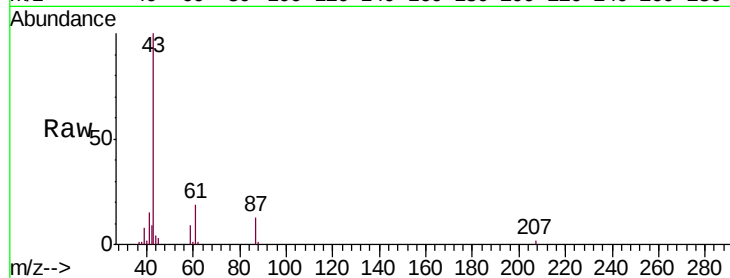
Tgt Ion: 43 Resp: 69116

Ion Ratio Lower Upper

43 100

61 19.0 20.9 31.3#

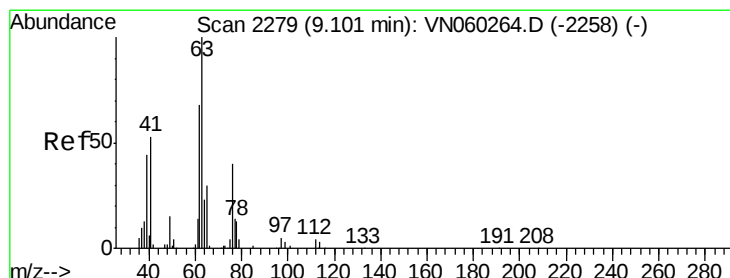
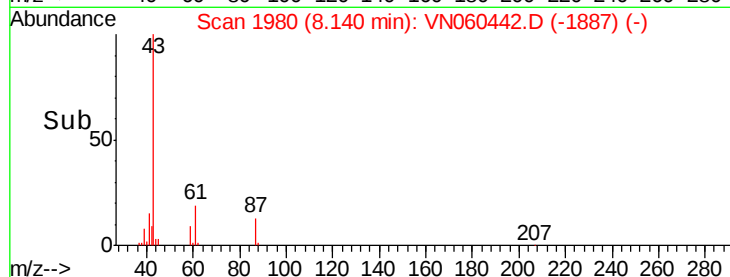
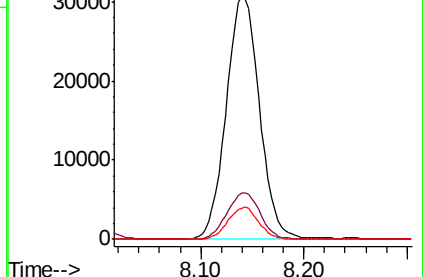
87 12.1 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060442.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060442.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060442.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.595 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060442.D

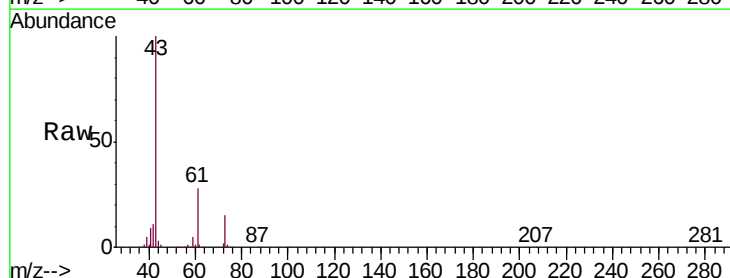
Acq: 11 Mar 2020 12:10

Tgt Ion: 63 Resp: 1356

Ion Ratio Lower Upper

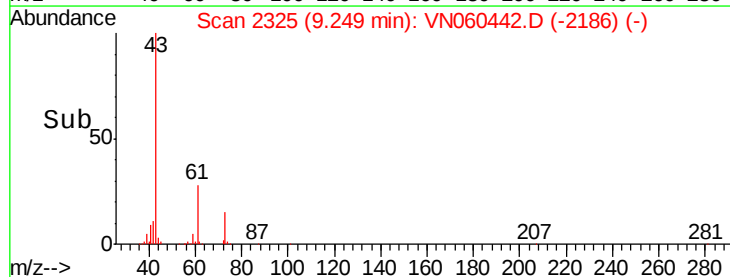
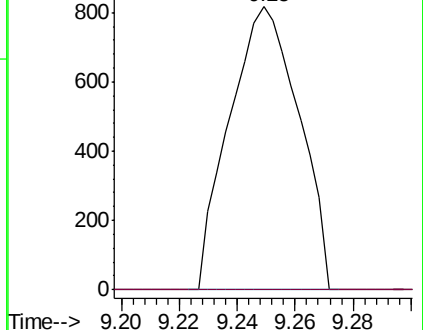
63 100

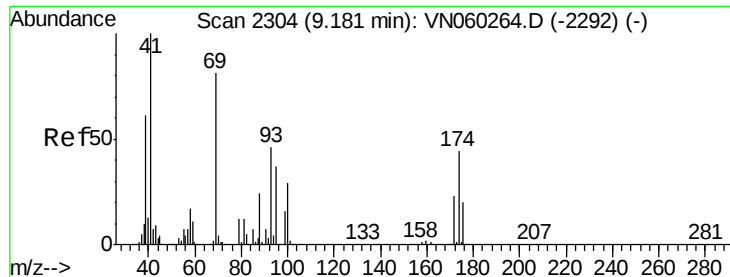
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060442.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060442.D (-2258) (-)

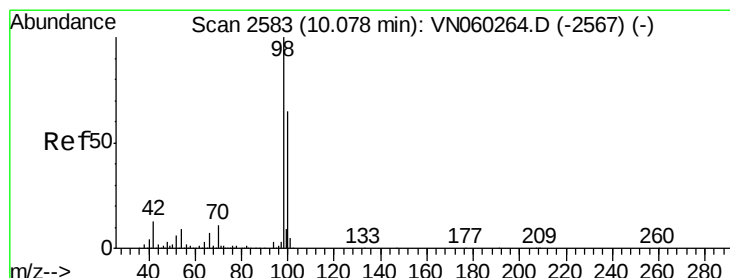
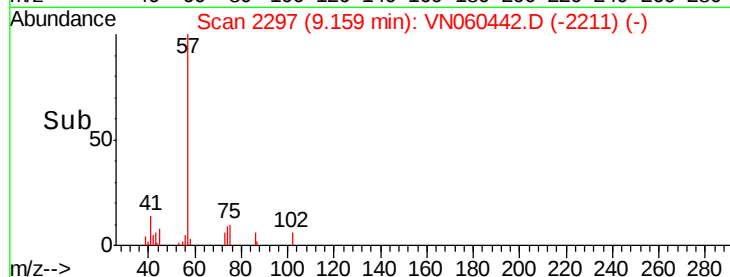
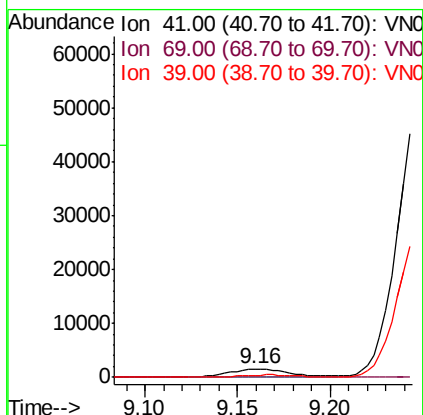
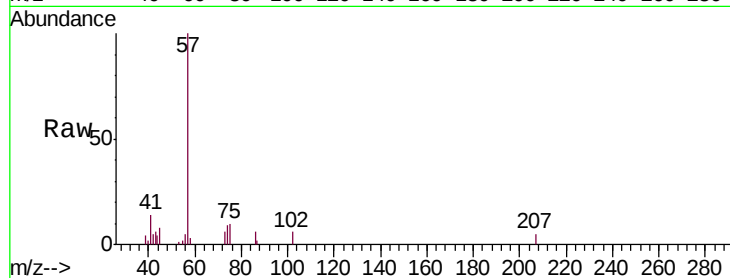




#48
Methyl methacrylate
Concen: 1.597 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

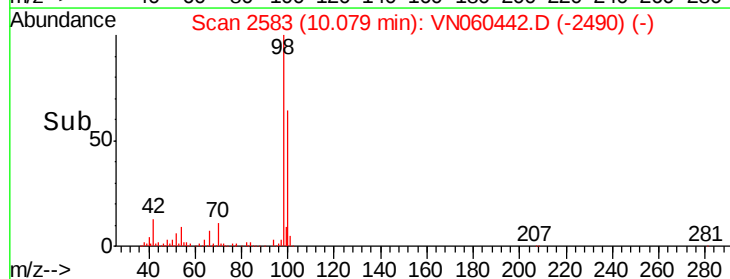
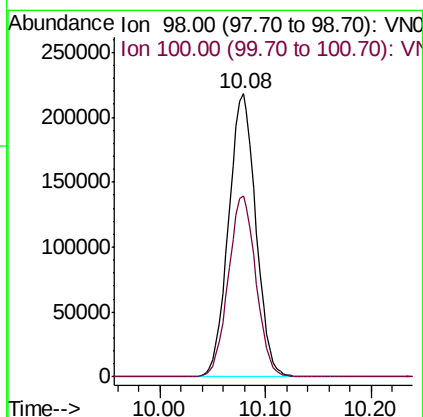
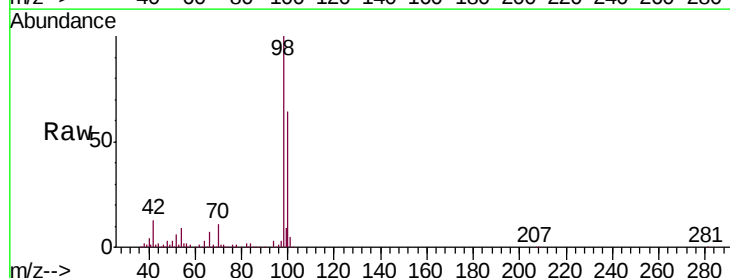
Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

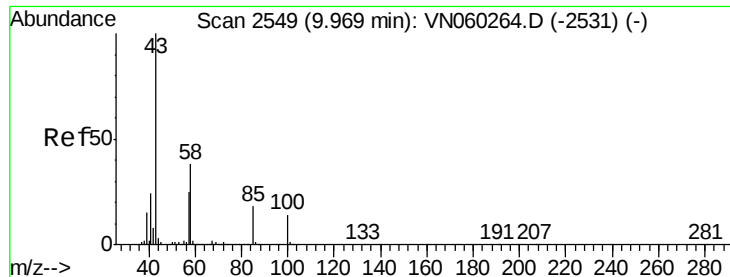
Tgt Ion: 41 Resp: 3612
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.918 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

Tgt Ion: 98 Resp: 390367
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

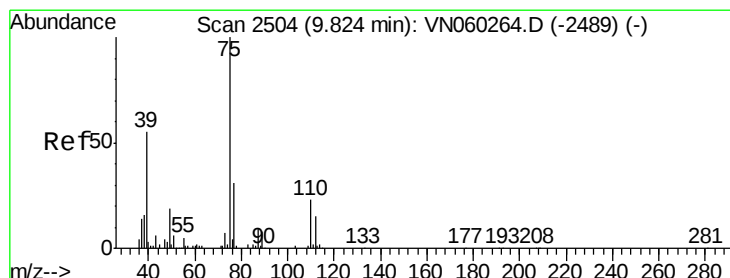
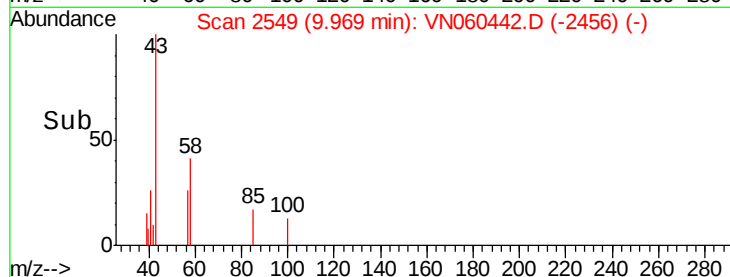
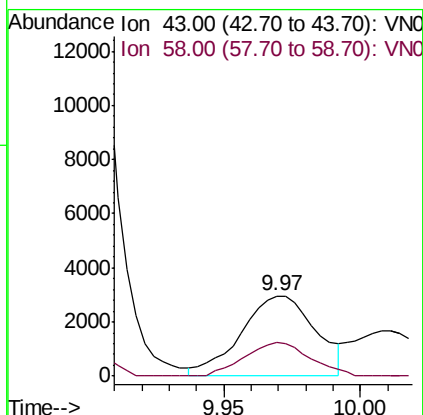
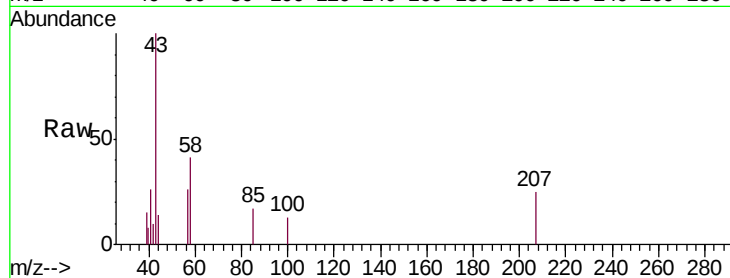




#51
 4-Methyl-2-Pentanone
 Concen: 2.006 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060442.D
 Acq: 11 Mar 2020 12:10

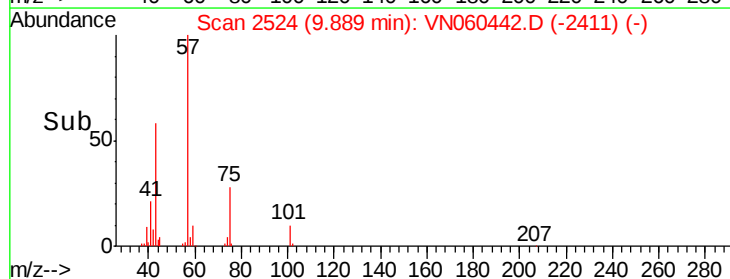
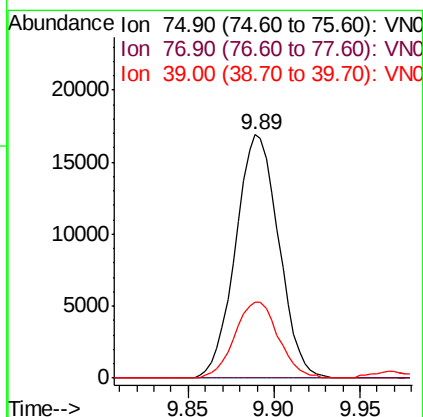
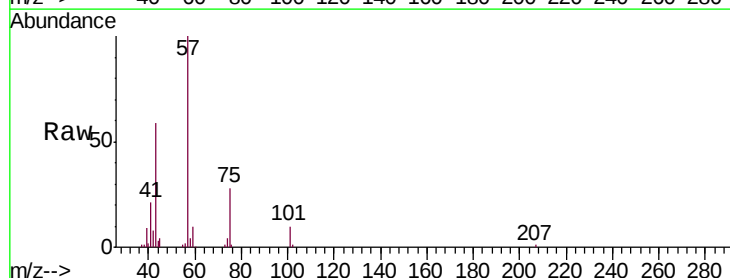
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-031020

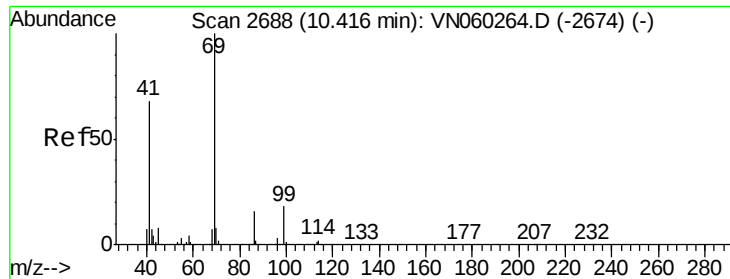
Tgt Ion: 43 Resp: 5643
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 7.729 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060442.D
 Acq: 11 Mar 2020 12:10

Tgt Ion: 75 Resp: 29495
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.3 43.8 65.8#





#56

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

OR-03-031020

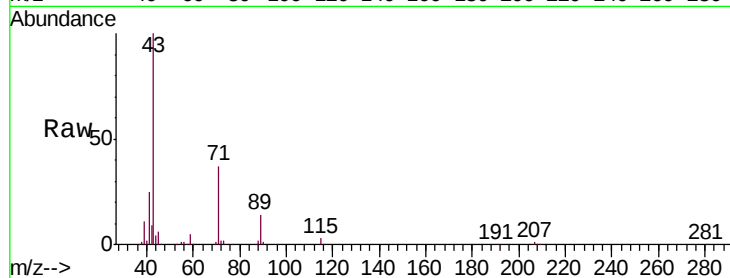
Tgt Ion: 69 Resp: 637

Ion Ratio Lower Upper

69 100

41 8932.8 54.1 81.1#

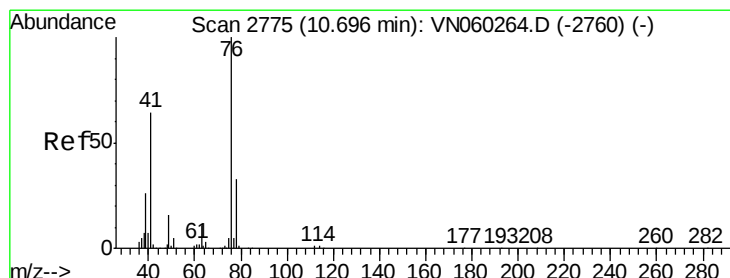
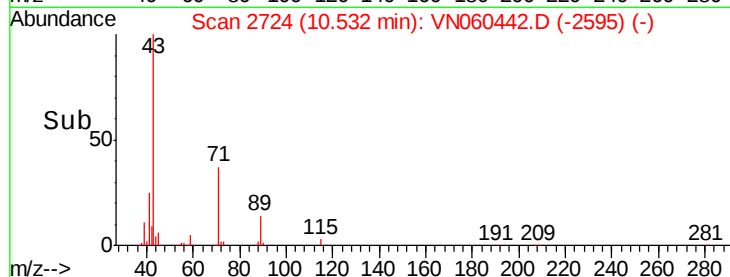
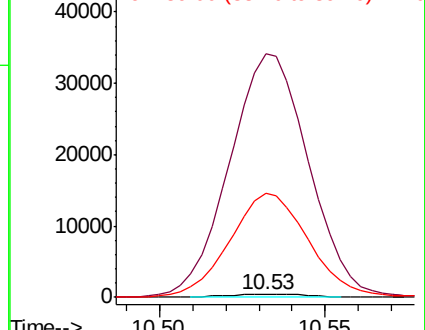
39 3803.9 32.5 48.7#



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: 1.344 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060442.D

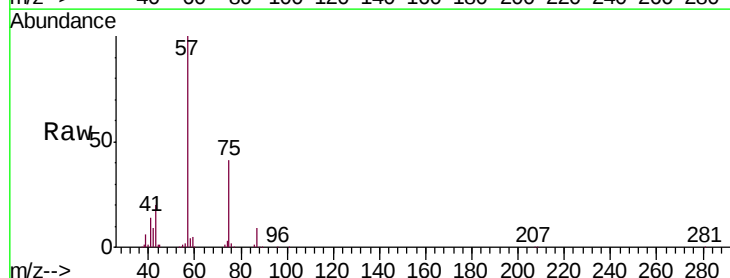
Acq: 11 Mar 2020 12:10

Tgt Ion: 76 Resp: 4823

Ion Ratio Lower Upper

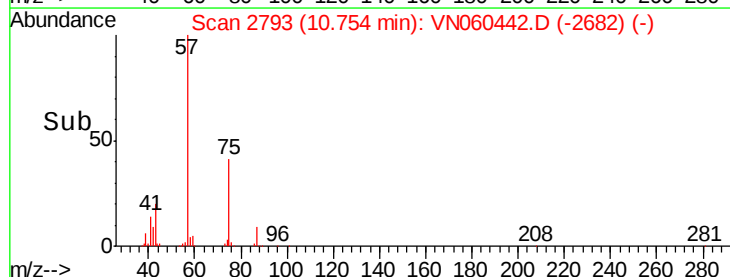
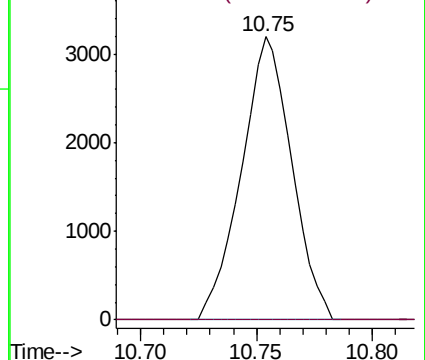
76 100

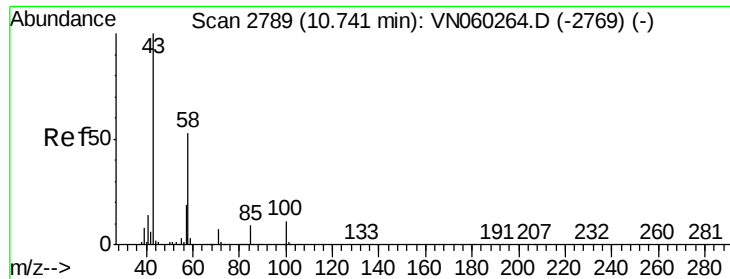
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

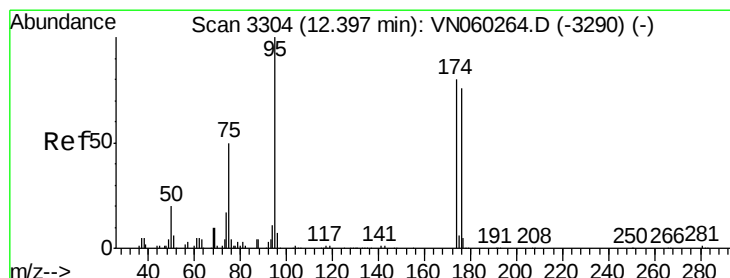
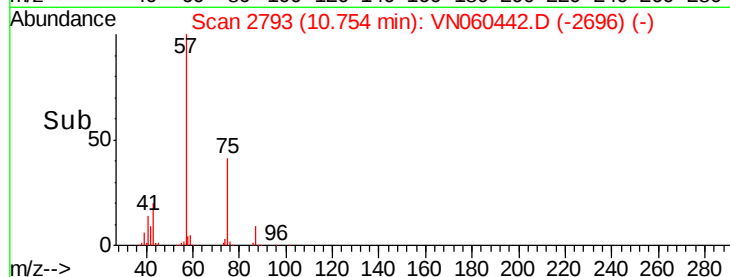
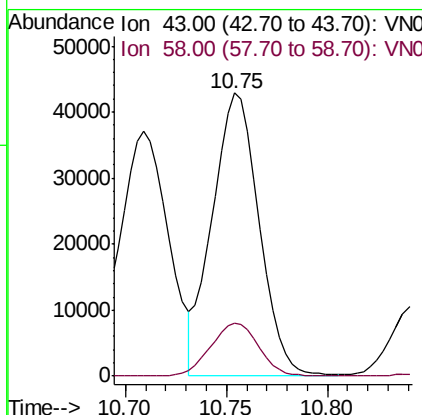
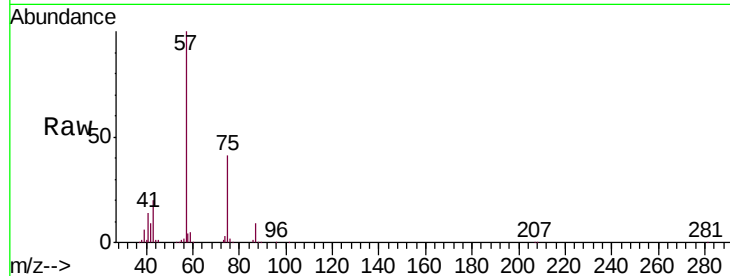




#59
2-Hexanone
Concen: 33.385 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

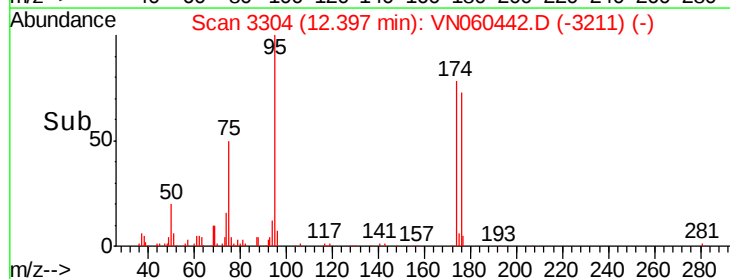
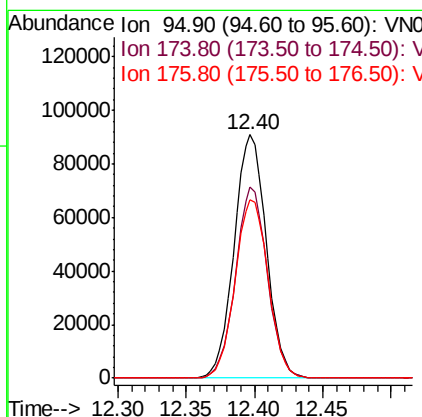
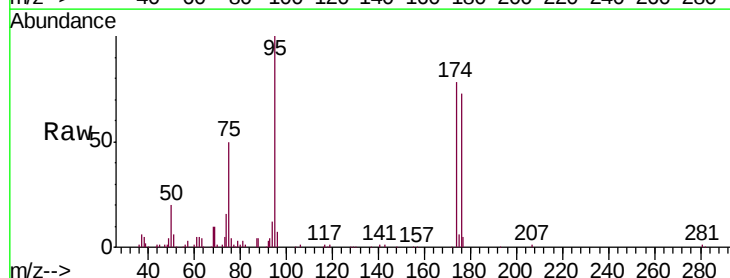
Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

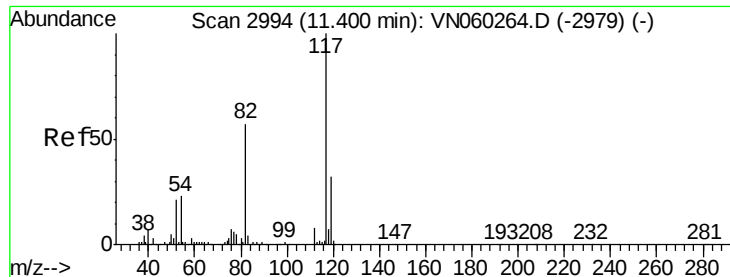
Tgt Ion: 43 Resp: 68945
Ion Ratio Lower Upper
43 100
58 19.3 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 53.222 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

Tgt Ion: 95 Resp: 148827
Ion Ratio Lower Upper
95 100
174 77.3 0.0 159.2
176 75.1 0.0 153.8

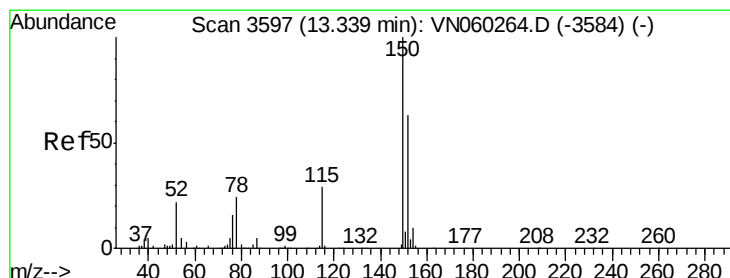
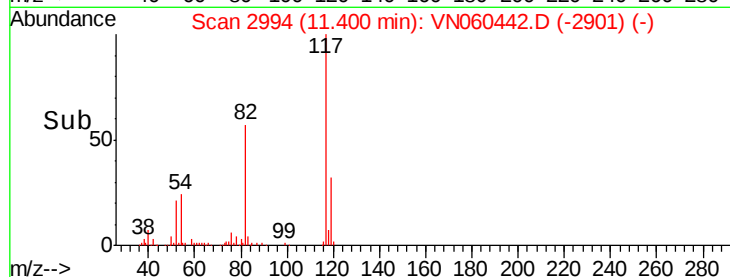
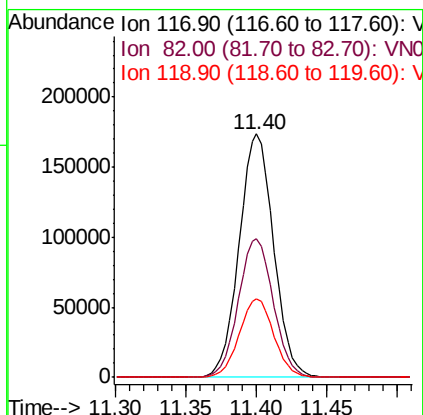
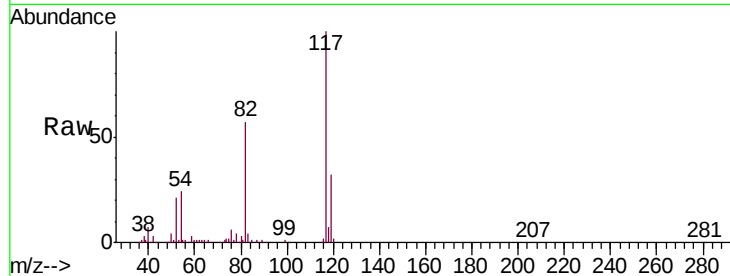




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

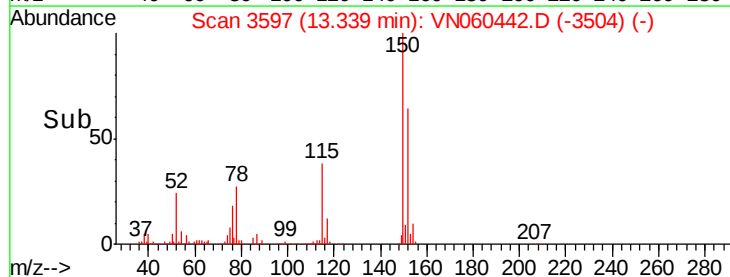
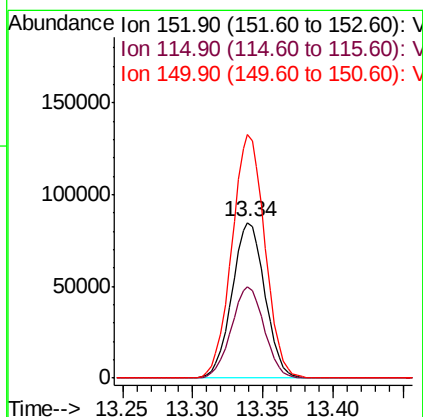
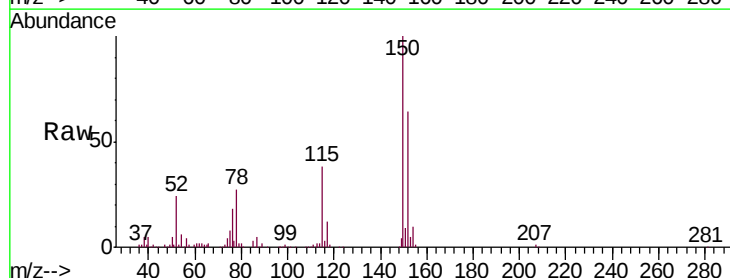
Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

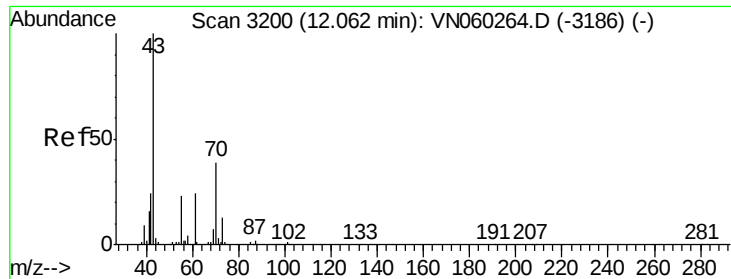
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.6
119	32.3	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.0	90.0
150	157.2	0.0	349.6





#74

N-ethyl acetate

Concen: 0.973 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060442.D

Acq: 11 Mar 2020 12:10

Instrument :

MSVOA_N

ClientSampleId :

OR-03-031020

Tgt Ion: 43 Resp: 4359

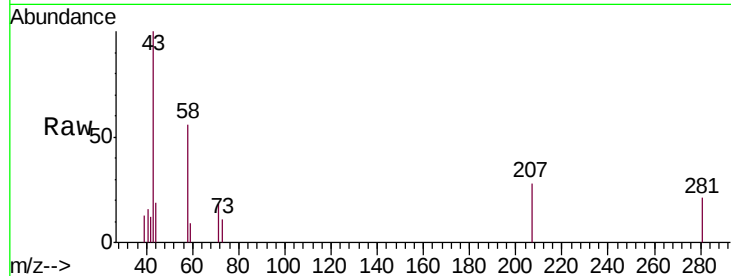
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

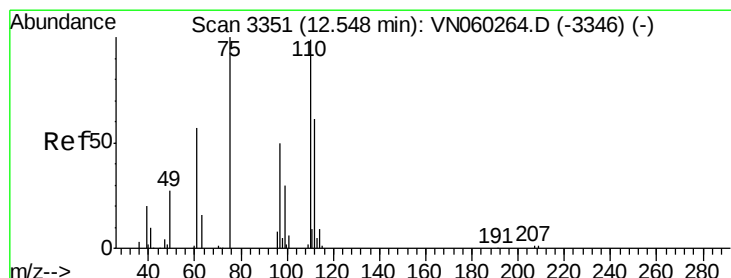
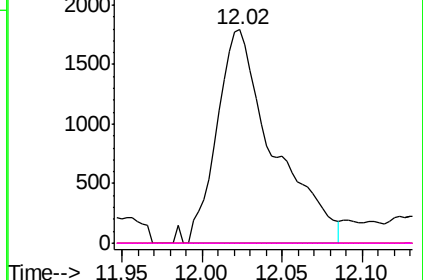
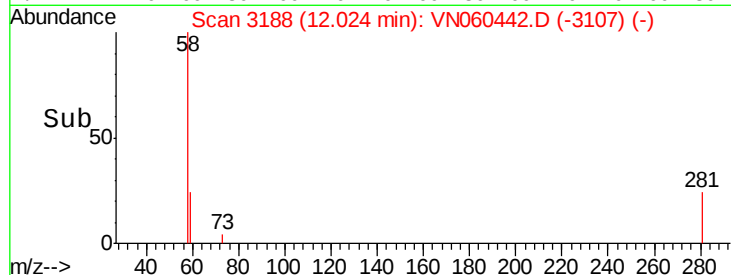


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.643 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060442.D

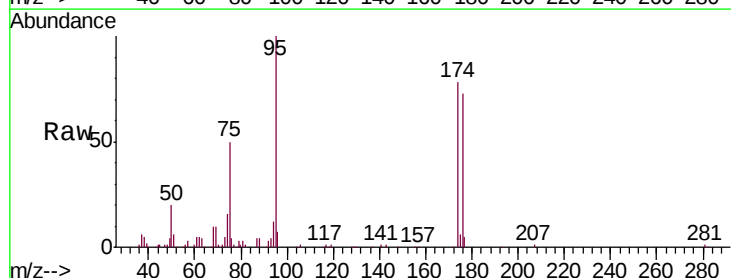
Acq: 11 Mar 2020 12:10

Tgt Ion: 75 Resp: 74808

Ion Ratio Lower Upper

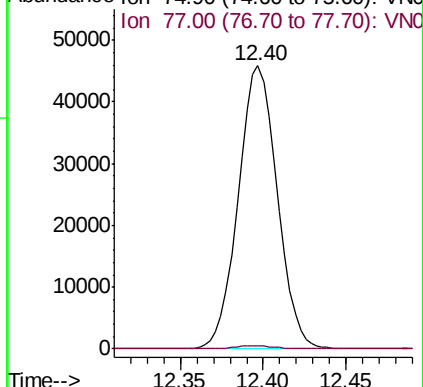
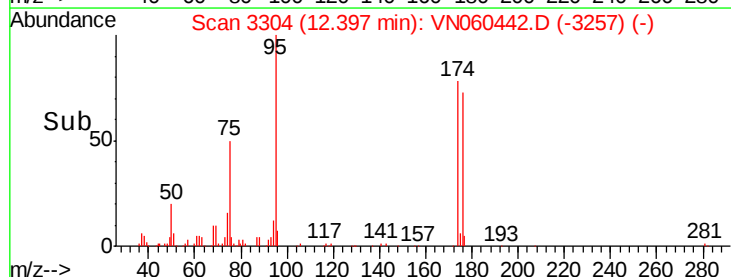
75 100

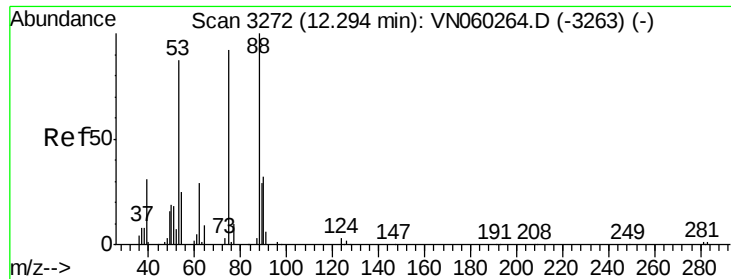
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

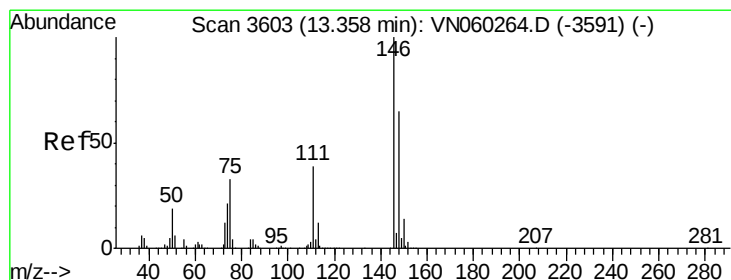
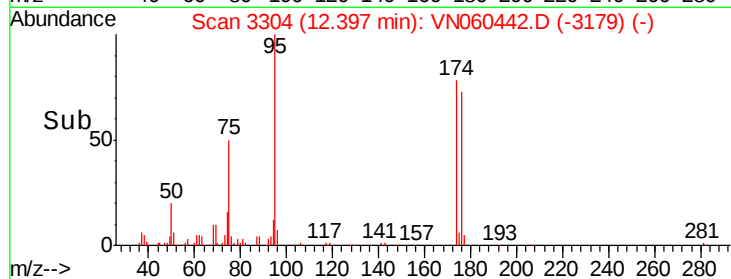
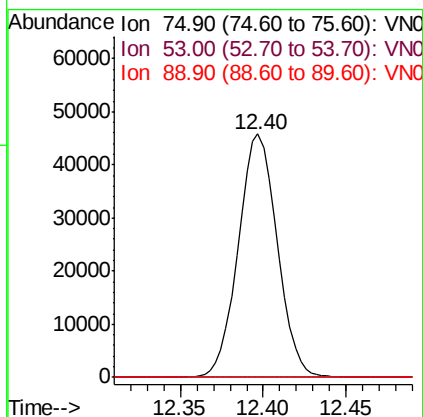
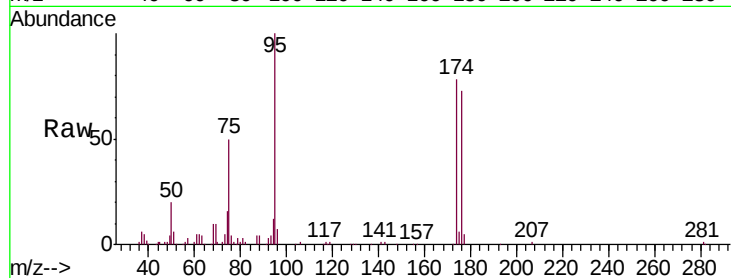




#81
trans-1,4-Dichloro-2-butene
Concen: 68.026 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

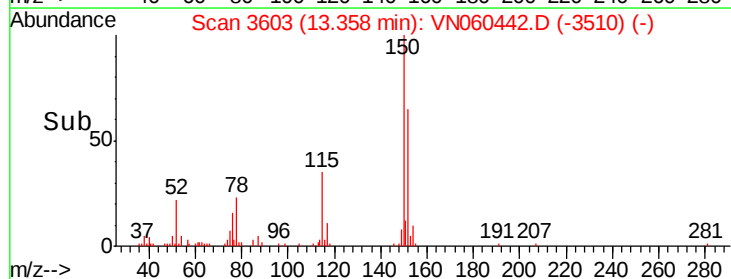
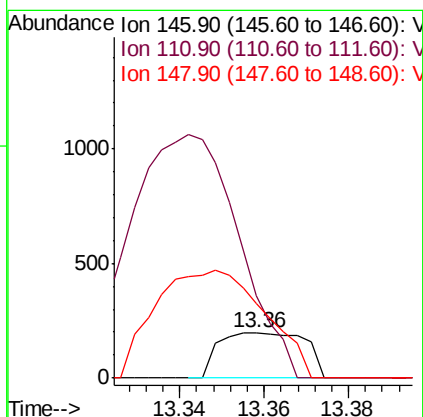
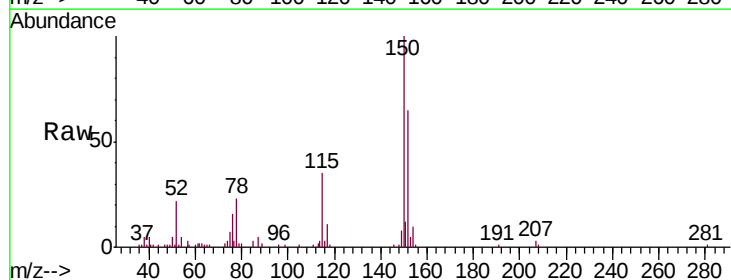
Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

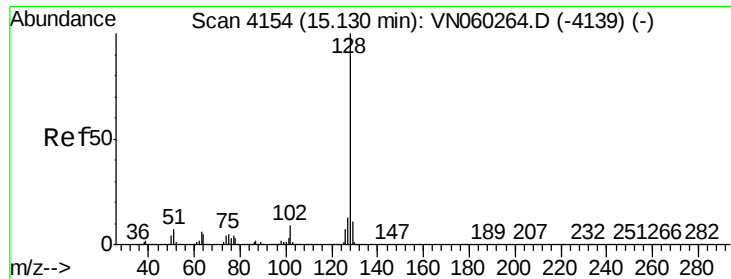
Tgt Ion: 75 Resp: 74808
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

Tgt Ion: 146 Resp: 279
Ion Ratio Lower Upper
146 100
111 684.6 19.8 59.4#
148 303.2 32.3 96.9#

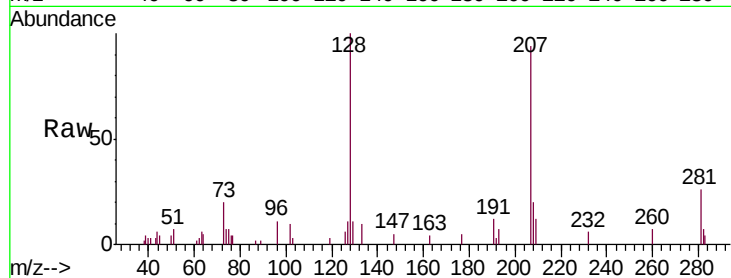




#95
Naphthalene
Concen: 1.176 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060442.D
Acq: 11 Mar 2020 12:10

Instrument :
MSVOA_N
ClientSampleId :
OR-03-031020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	10.2	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

