

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060383.D
 Acq On : 6 Mar 2020 16:13
 Operator : JC/MD
 Sample : PB127296ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:57:03 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	203846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	316844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	130259	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	7.56	113	93456	60.15	ug/l	0.00
Spiked Amount			Recovery	=	120.30%	
50) Toluene-d8	10.08	98	414146	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.40	95	156185	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

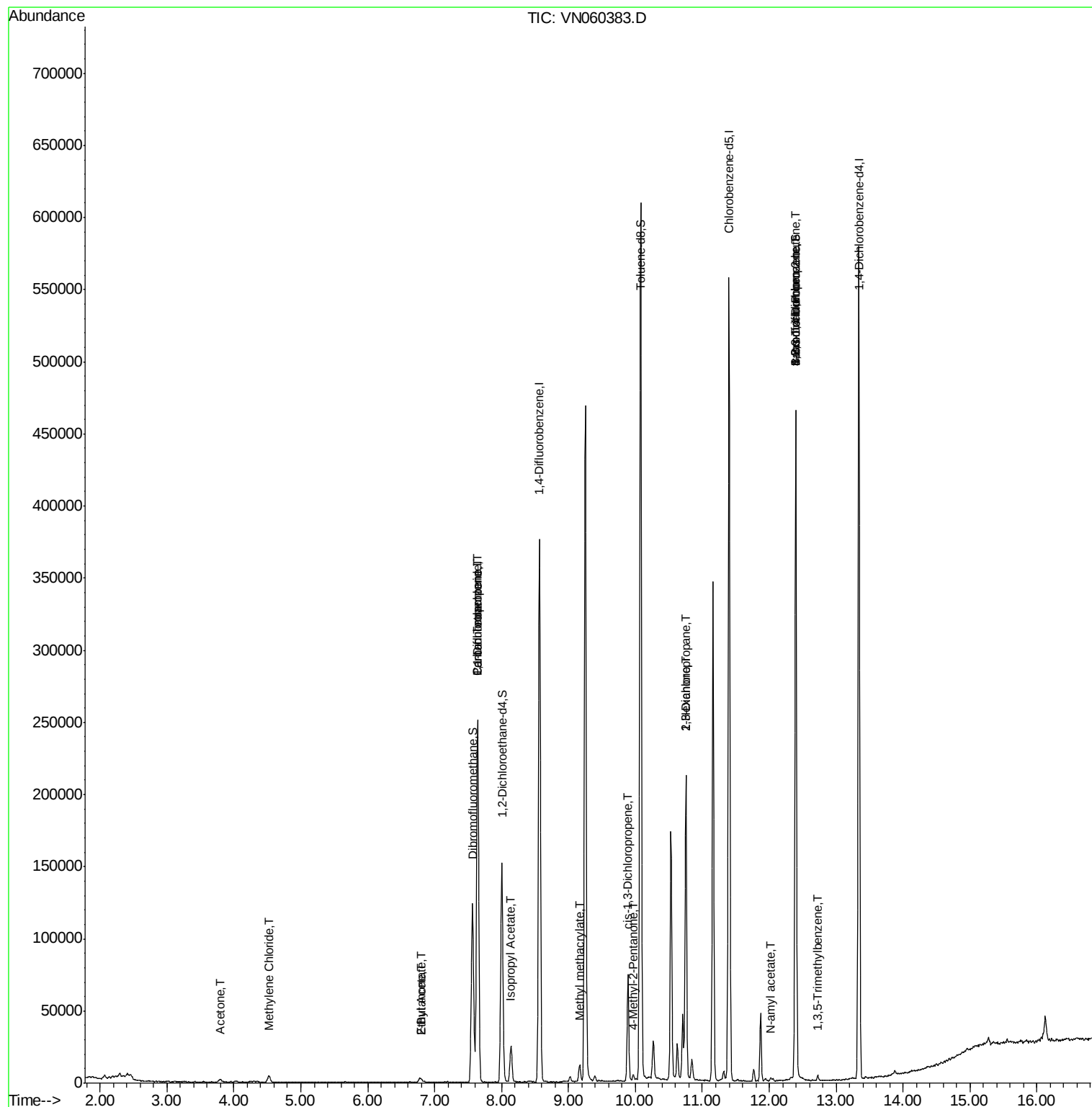
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4060	4.807	ug/l	96
20) Methylene Chloride	4.52	84	3241	1.397	ug/l	96
25) 2-Butanone	6.81	43	1531	1.122	ug/l #	49
31) Cyclohexane	7.64	56	3997	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15856	4.971	ug/l #	49
37) Ethyl Acetate	6.81	43	1531	0.507	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19552	6.295	ug/l #	15
43) Isopropyl Acetate	8.14	43	30070	5.687	ug/l #	89
48) Methyl methacrylate	9.16	41	1999	0.829	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2975	0.992	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	13304	3.271	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	2038	0.533	ug/l #	42
59) 2-Hexanone	10.75	43	30743	13.966	ug/l #	53
71) Bromoform	12.40	173	605	0.355	ug/l #	1
74) N-amyl acetate	12.02	43	2430	0.499	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	80857	24.493	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2392	0.255	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	80857	67.613	ug/l #	8
95) Naphthalene	15.13	128	250	Below Cal	#	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

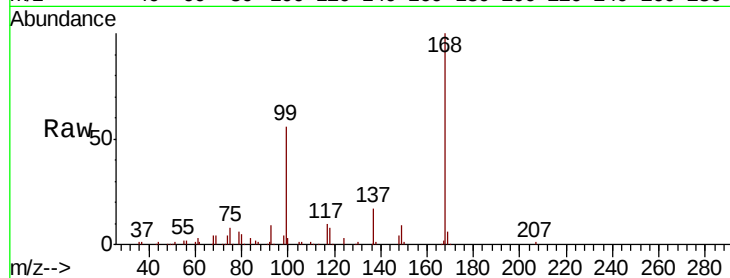
ClientSampled :

Tot Ion:168 Resp: 203846

Ion Ratio Lower Upper

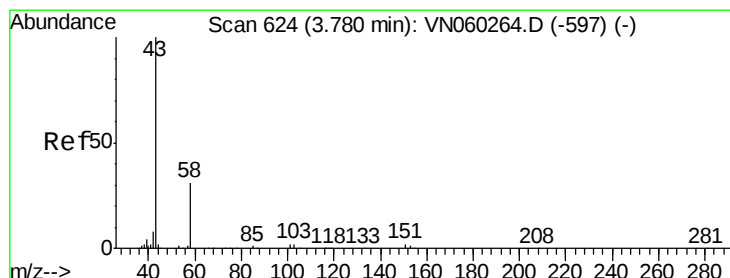
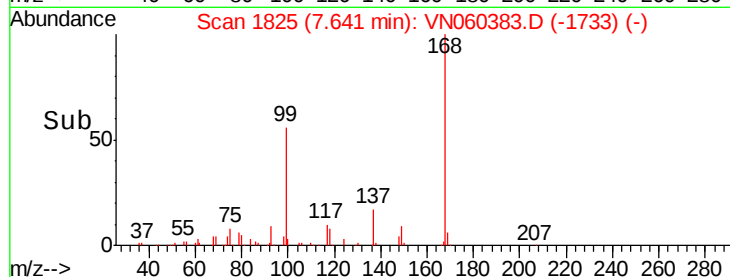
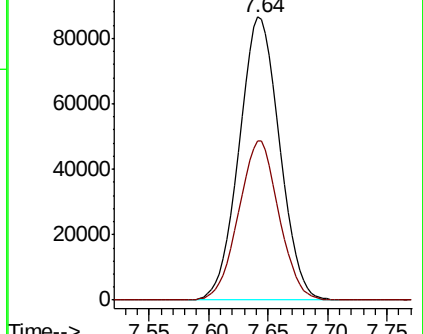
168 100

99 56.0 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: 4.807 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060383.D

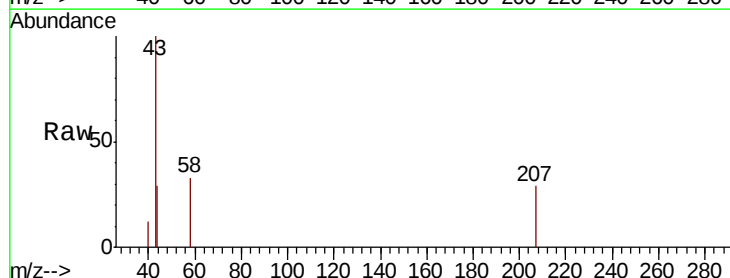
Acq: 6 Mar 2020 16:13

Tgt Ion: 43 Resp: 4060

Ion Ratio Lower Upper

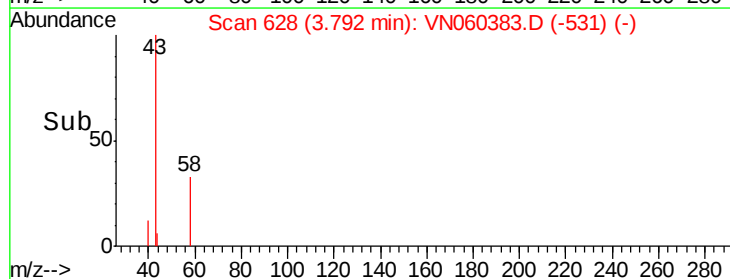
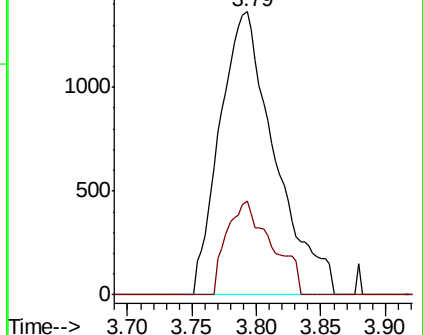
43 100

58 33.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

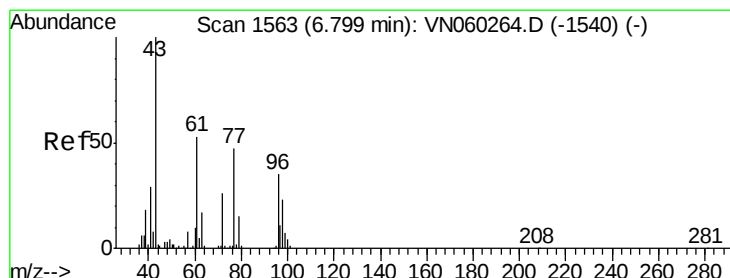
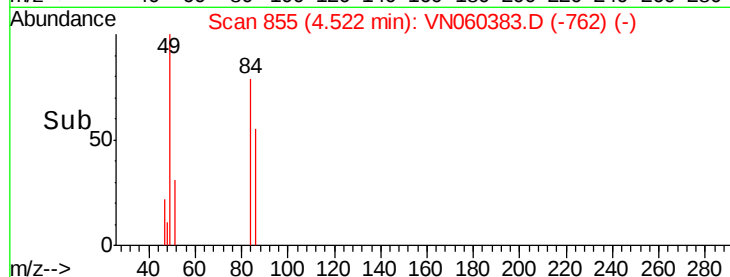
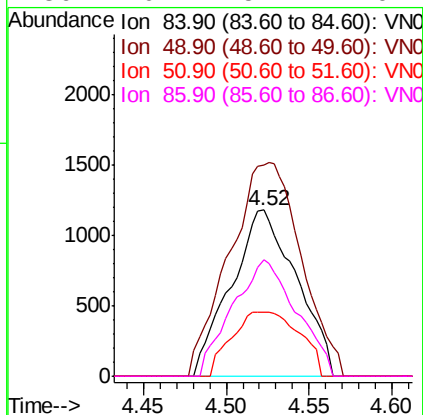
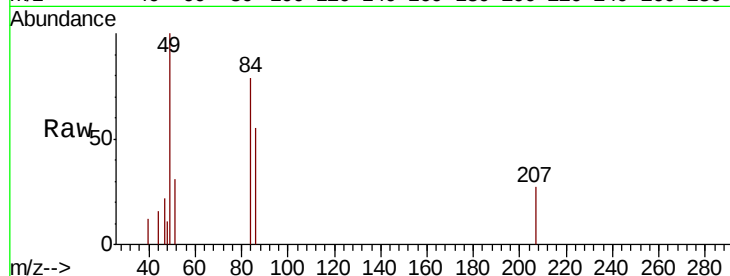




#20
Methvlene Chloride
Concen: 1.397 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060383.D
Acq: 6 Mar 2020 16:13

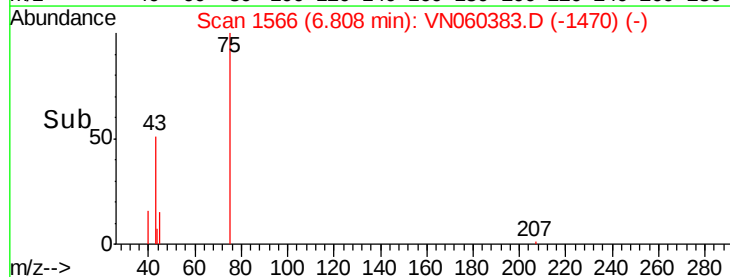
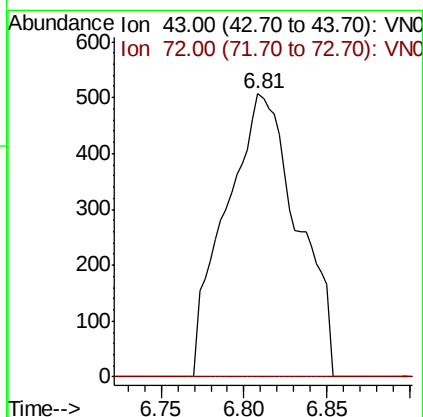
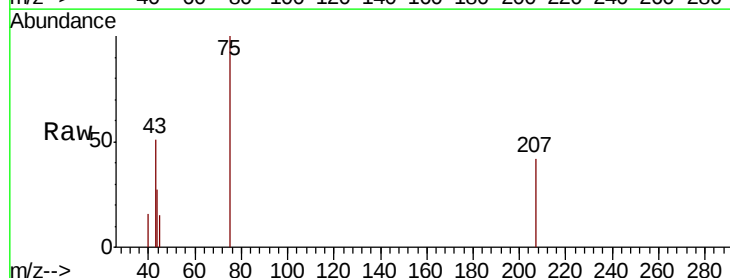
Instrument :
MSVOA_N
ClientSampleId :

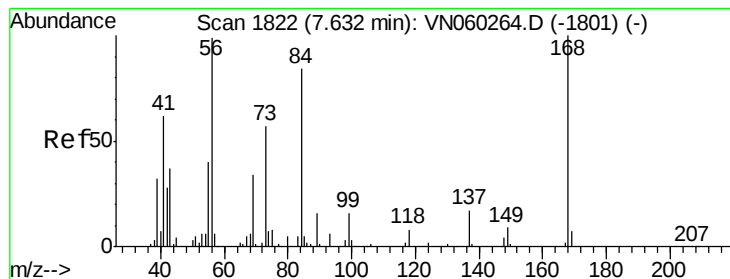
Tot Ion:	84	Resp:	3241
Ion	Ratio	Lower	Upper
84	100		
49	126.8	99.3	148.9
51	38.8	30.1	45.1
86	70.1	51.1	76.7



#25
2-Butanone
Concen: 1.122 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060383.D
Acq: 6 Mar 2020 16:13

Tgt Ion:	43	Resp:	1531
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#





#31

Cyclohexane

Concen: Below Cal

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

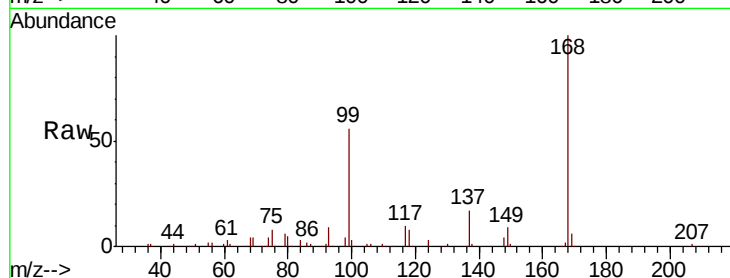
Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

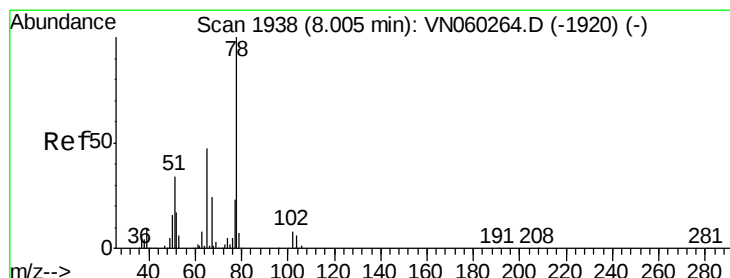
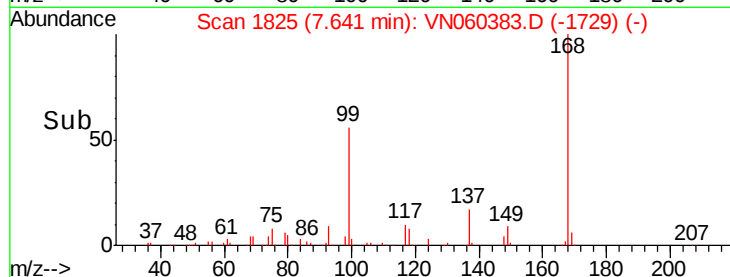
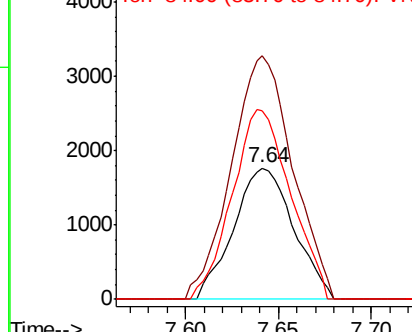
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3997

Ion	Ratio	Lower	Upper
56	100		
69	185.3	27.2	40.8#
84	143.5	66.7	100.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.805 ug/l

RT: 8.00 min Scan# 1938

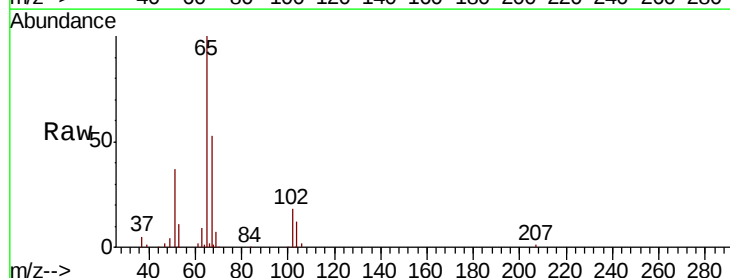
Delta R.T. -0.00 min

Lab File: VN060383.D

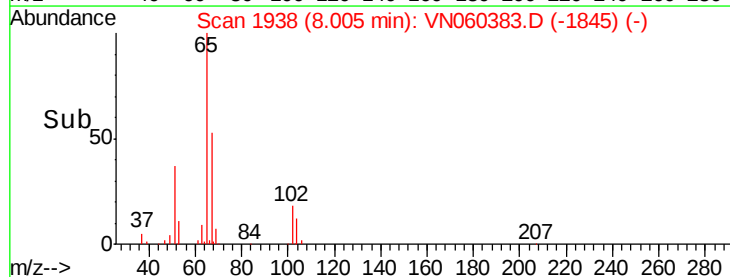
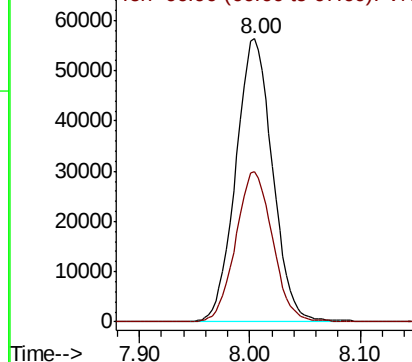
Acq: 6 Mar 2020 16:13

Tgt Ion: 65 Resp: 130259

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

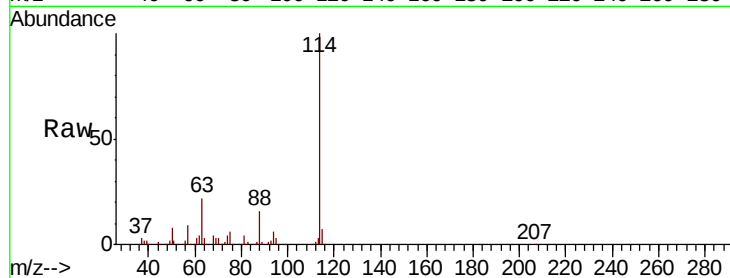
Tot Ion:114 Resp: 334707

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

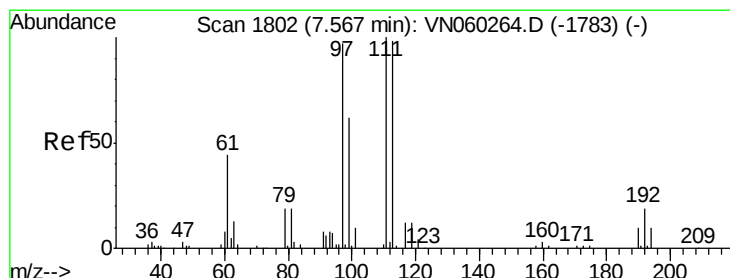
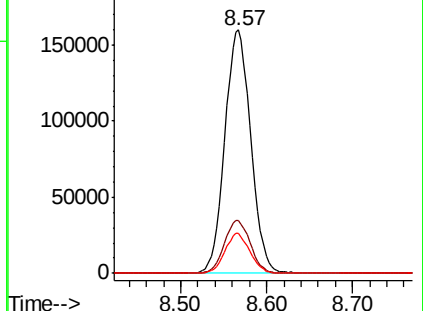
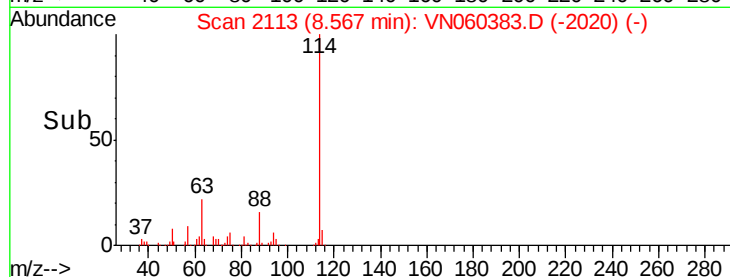
88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 60.154 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

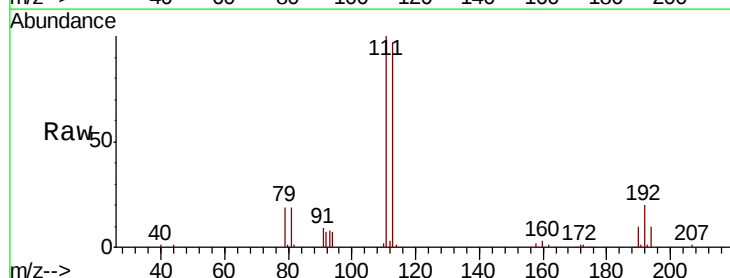
Tgt Ion:113 Resp: 93456

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

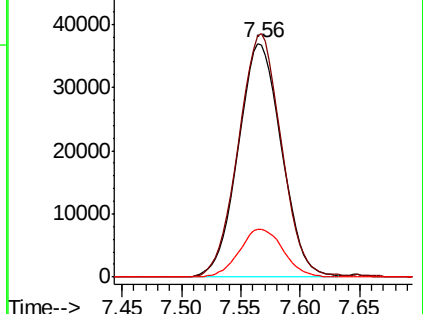
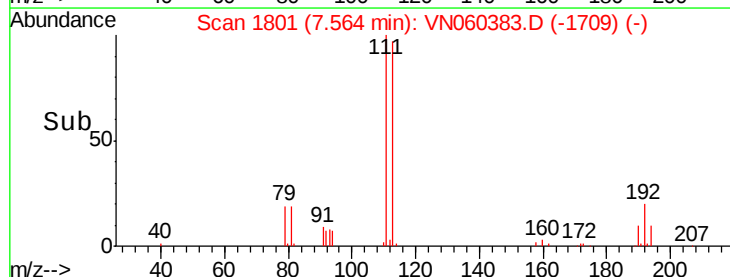
192 20.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.971 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

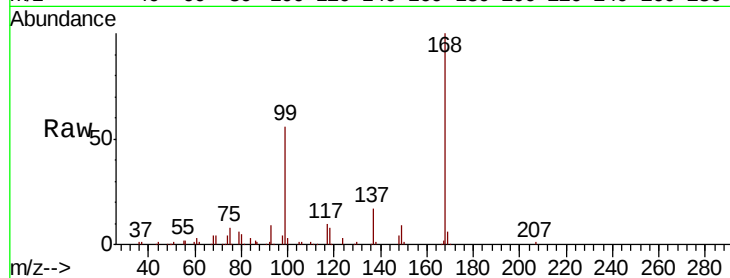
Tot Ion: 75 Resp: 15856

Ion Ratio Lower Upper

75 100

110 8.0 17.3 52.0#

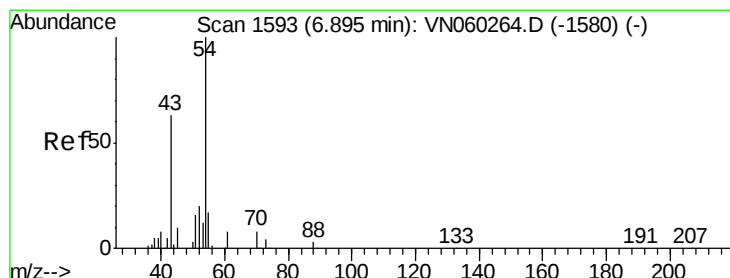
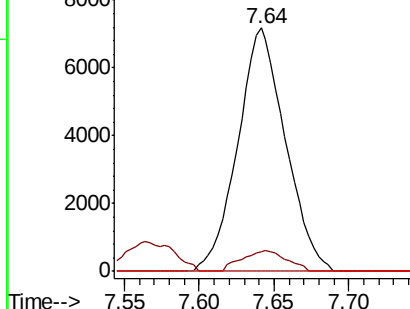
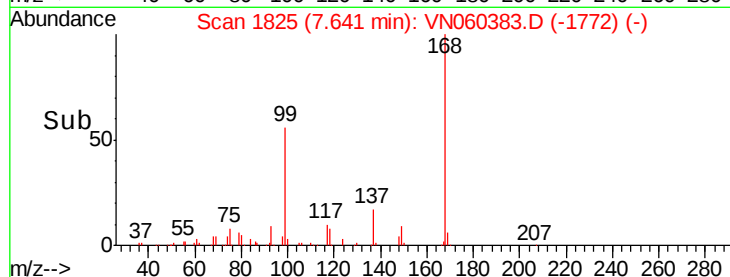
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060383.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060383.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060383.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.507 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.09 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

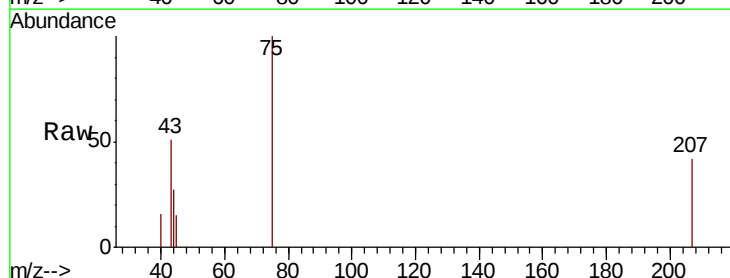
Tgt Ion: 43 Resp: 1531

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

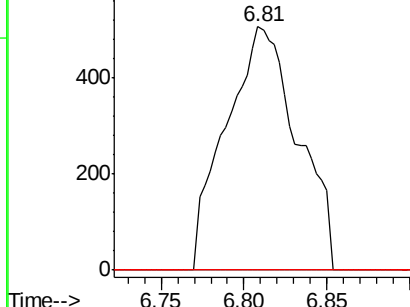
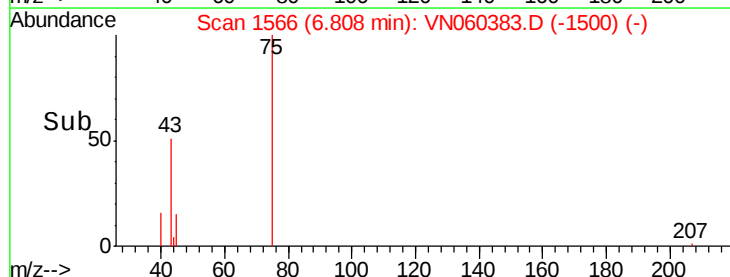
70 0.0 8.4 12.6#

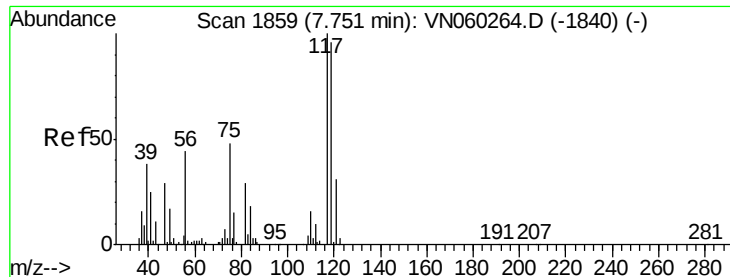


Abundance Ion 43.00 (42.70 to 43.70): VN060383.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060383.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060383.D (-1500) (-)





#38

Carbon Tetrachloride

Concen: 6.295 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

ClientSampled :

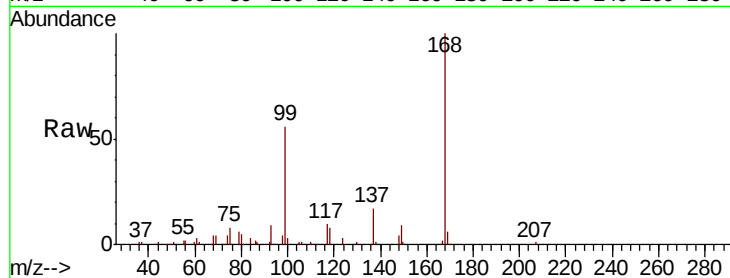
Tot Ion:117 Resp: 19552

Ion Ratio Lower Upper

117 100

119 4.2 76.7 115.1#

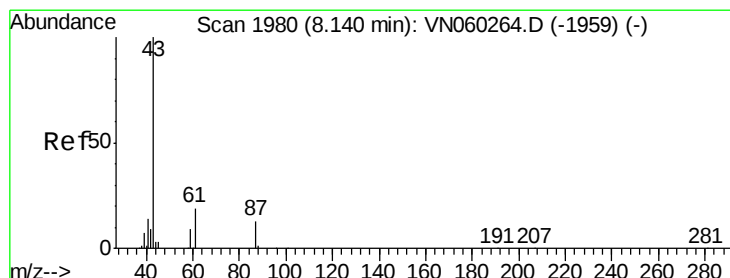
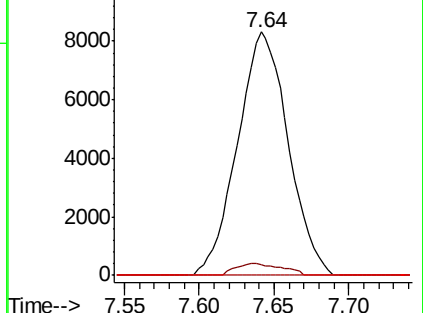
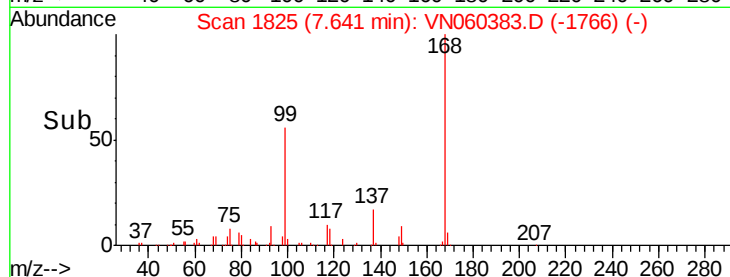
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 5.687 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

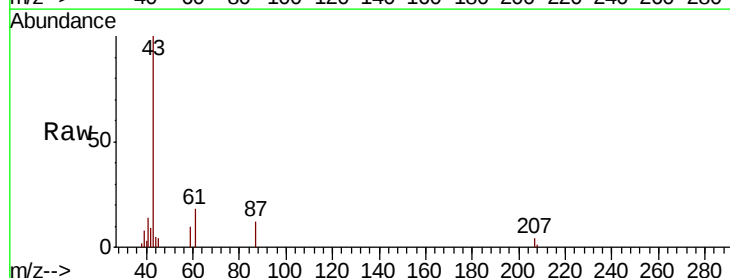
Tgt Ion: 43 Resp: 30070

Ion Ratio Lower Upper

43 100

61 18.7 20.9 31.3#

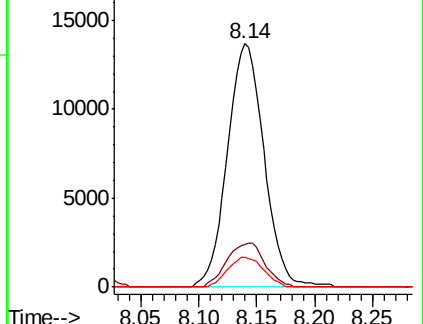
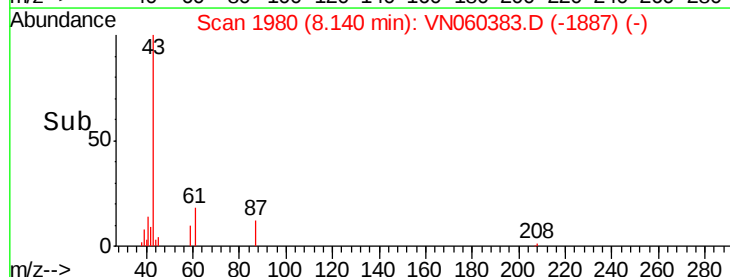
87 11.9 10.6 16.0

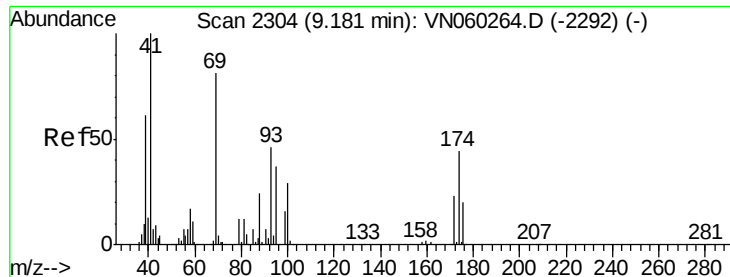


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

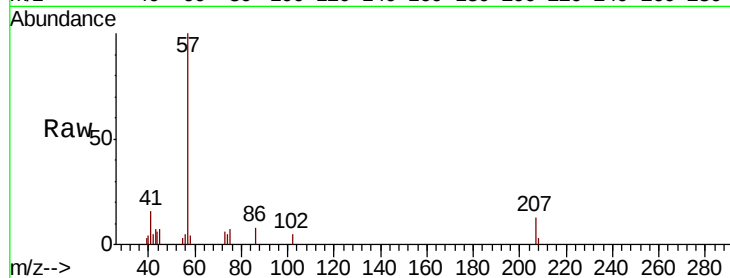




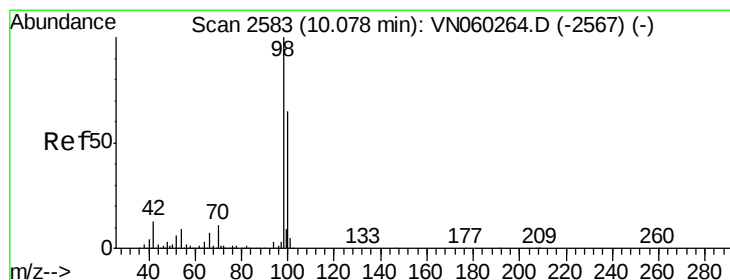
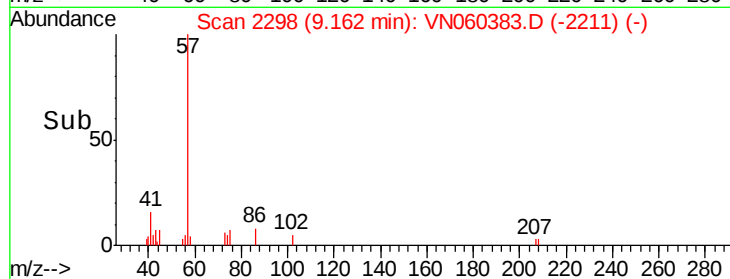
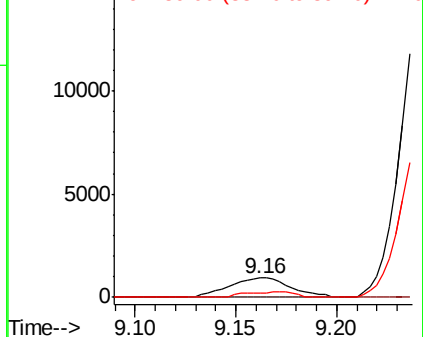
#48
Methvl methacrylate
Concen: 0.829 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060383.D
Acq: 6 Mar 2020 16:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1999
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

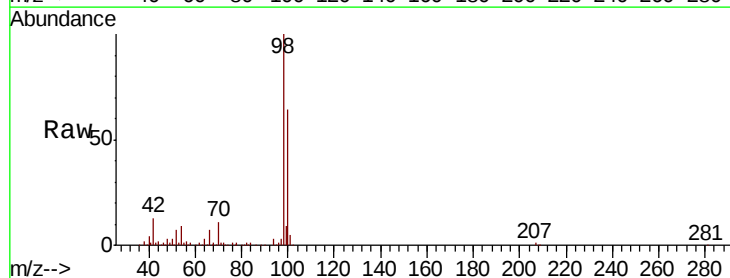


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

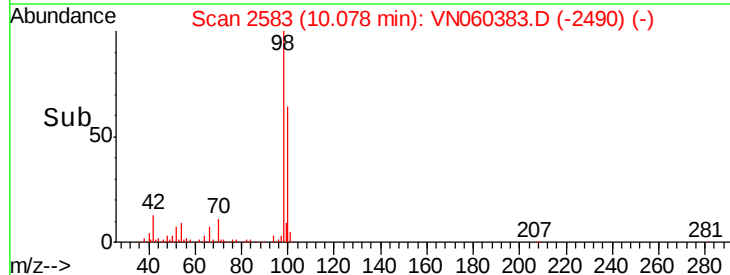
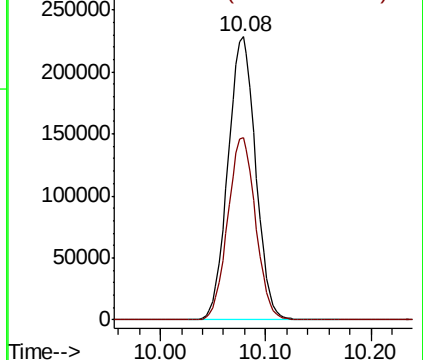


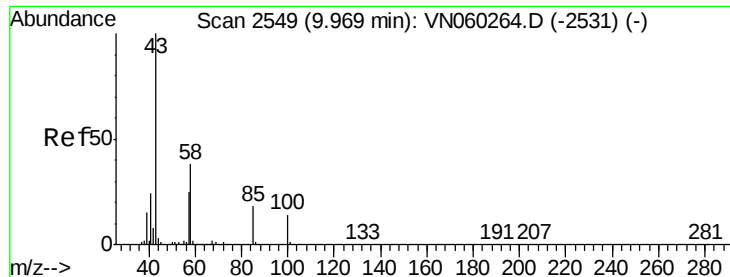
#50
Toluene-d8
Concen: 52.670 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060383.D
Acq: 6 Mar 2020 16:13

Tgt Ion: 98 Resp: 414146
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



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

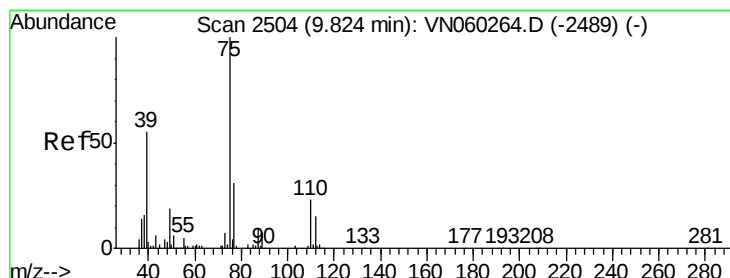
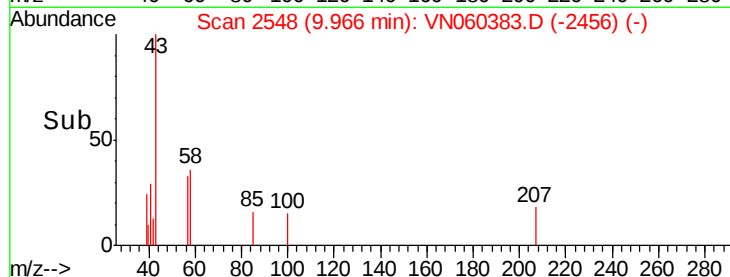
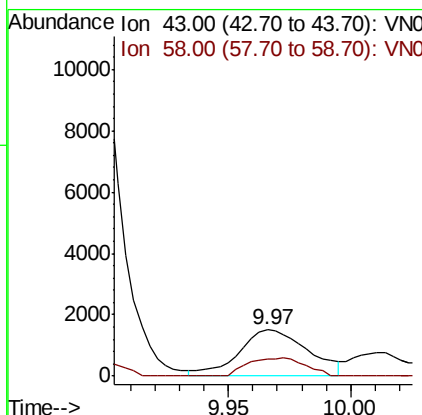
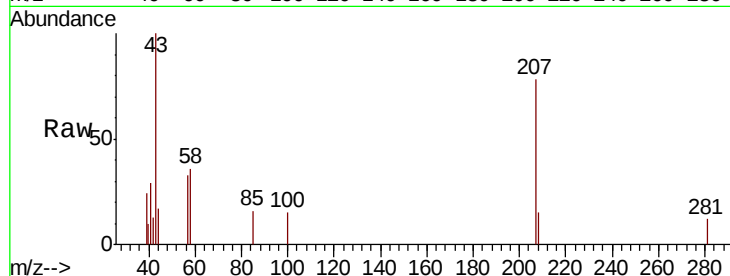




#51
 4-Methyl-2-Pentanone
 Concen: 0.992 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060383.D
 Acq: 6 Mar 2020 16:13

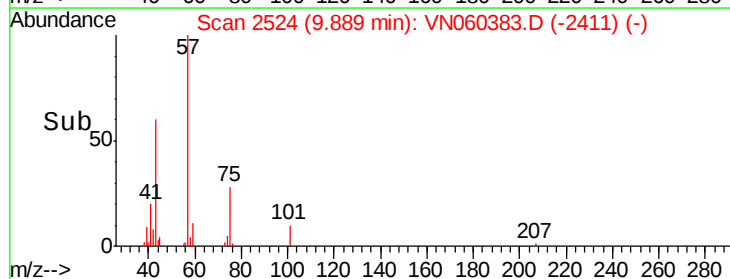
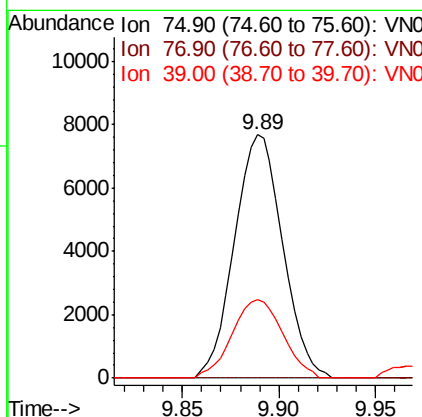
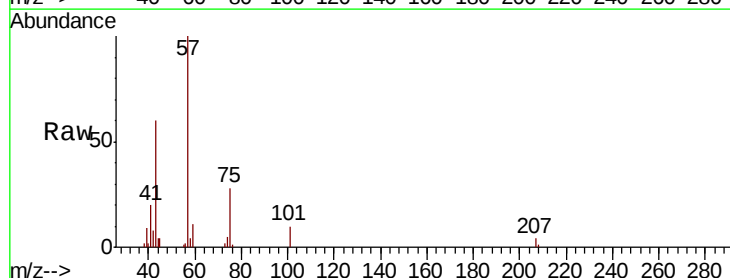
Instrument :
 MSVOA_N
 ClientSampled :

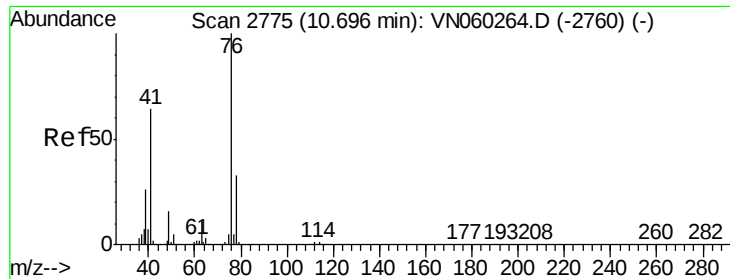
Tot Ion: 43 Resp: 2975
 Ion Ratio Lower Upper
 43 100
 58 32.6 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 3.271 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060383.D
 Acq: 6 Mar 2020 16:13

Tgt Ion: 75 Resp: 13304
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 32.0 43.8 65.8#

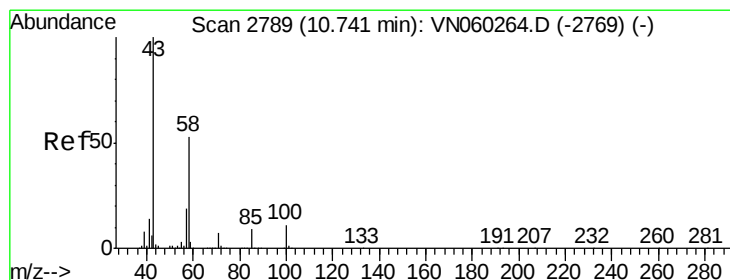
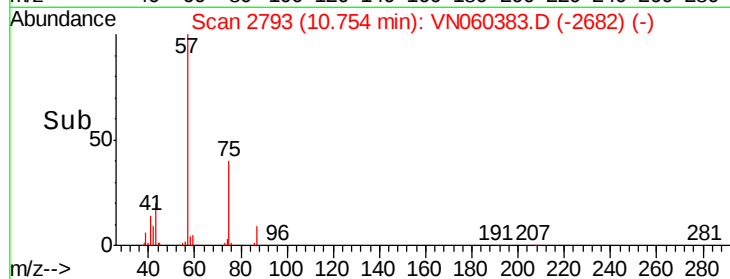
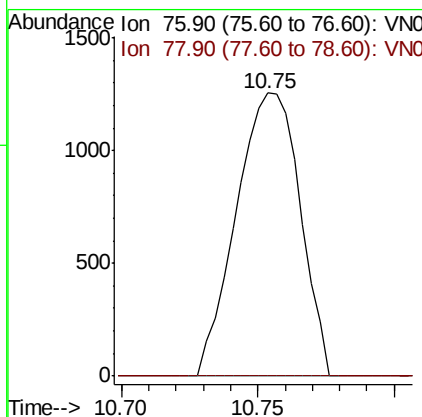
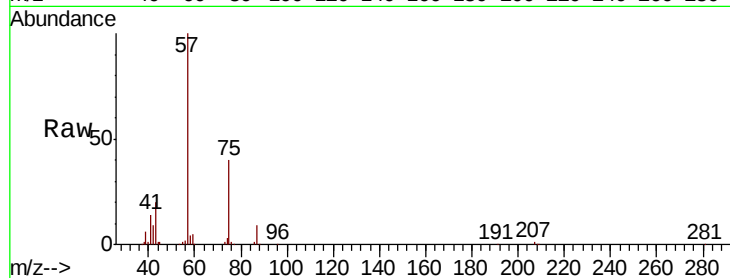




#57
 1,3-Dichloropropane
 Concen: 0.533 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060383.D
 Acq: 6 Mar 2020 16:13

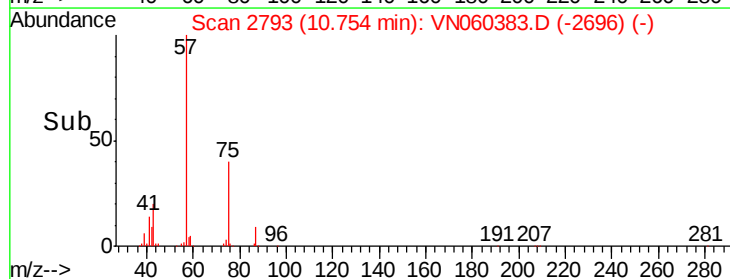
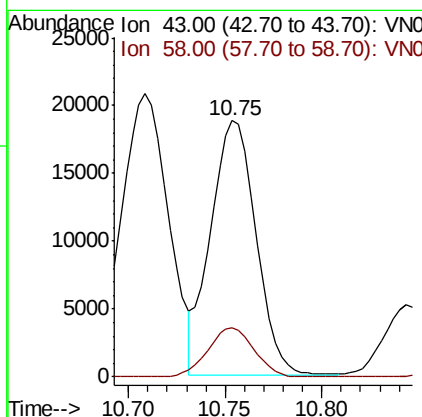
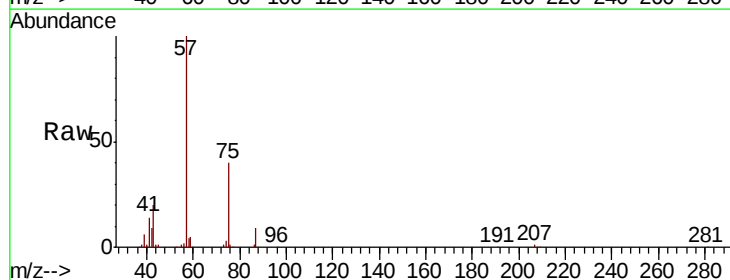
Instrument :
 MSVOA_N
 ClientSampled :

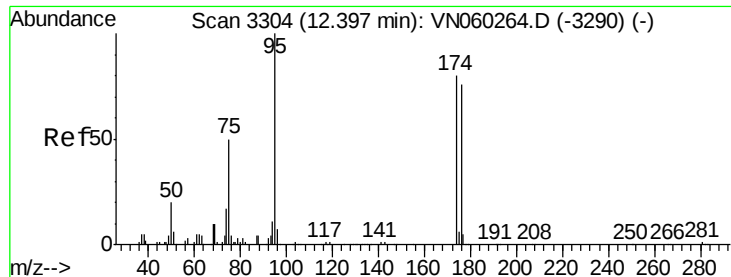
Tot Ion: 76 Resp: 2038
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 13.966 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060383.D
 Acq: 6 Mar 2020 16:13

Tgt Ion: 43 Resp: 30743
 Ion Ratio Lower Upper
 43 100
 58 19.7 26.5 79.5#

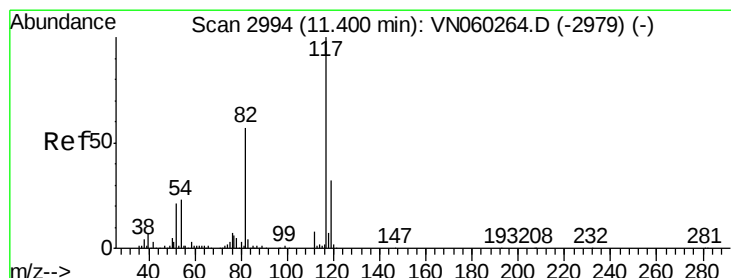
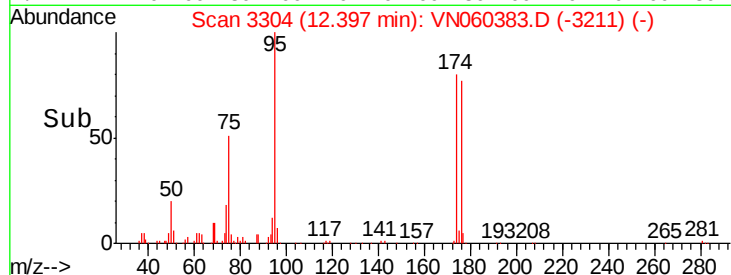
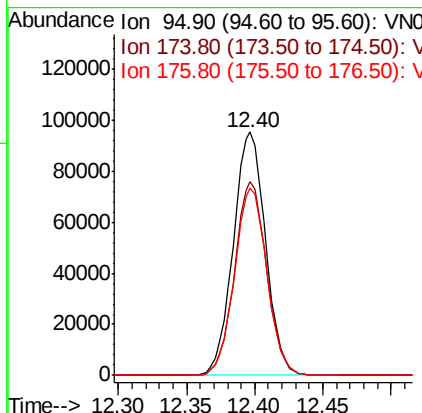
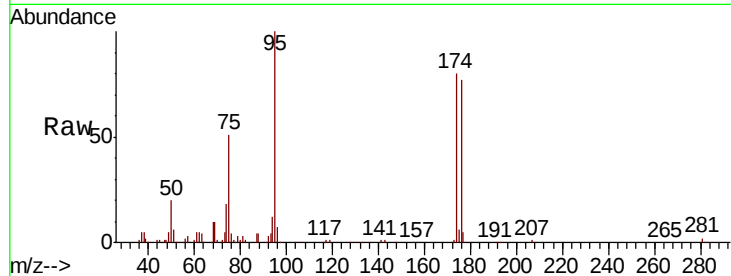




#62
4-Bromofluorobenzene
Concen: 52.399 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060383.D
Acq: 6 Mar 2020 16:13

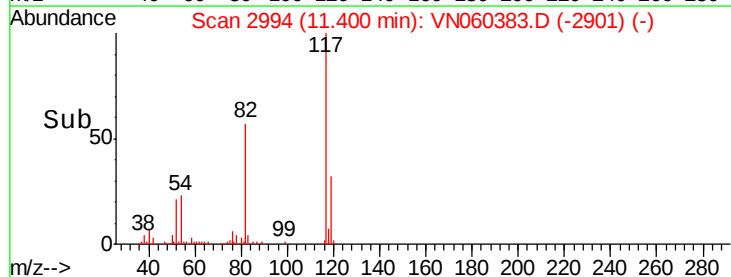
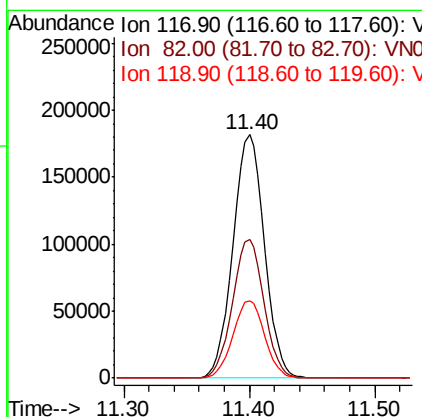
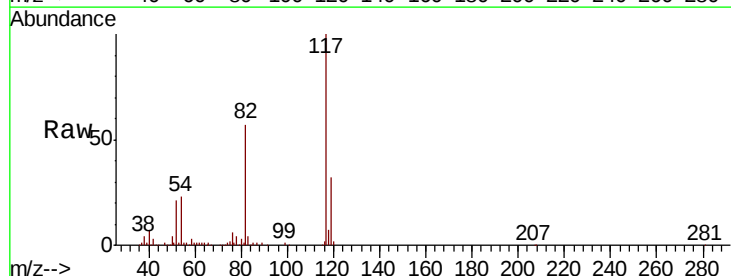
Instrument :
MSVOA_N
ClientSampleId :

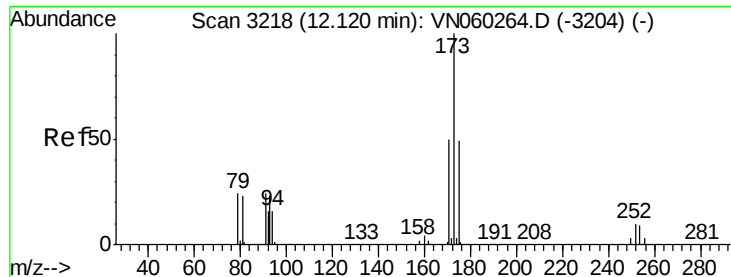
Tot Ion: 95 Resp: 156185
Ion Ratio Lower Upper
95 100
174 79.1 0.0 159.2
176 77.3 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060383.D
Acq: 6 Mar 2020 16:13

Tgt Ion: 117 Resp: 316844
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 31.9 25.8 38.8





#71

Bromoform

Concen: 0.355 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

ClientSampled :

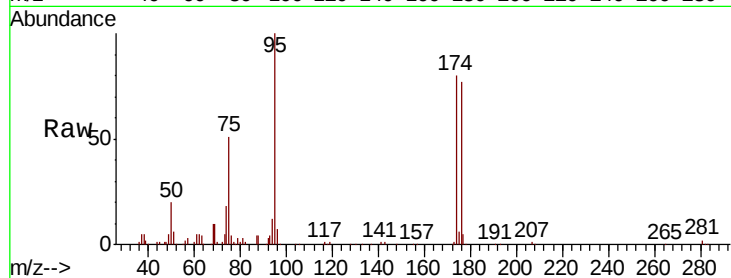
Tot Ion:173 Resp: 605

Ion Ratio Lower Upper

173 100

175 1320.2 24.1 72.2#

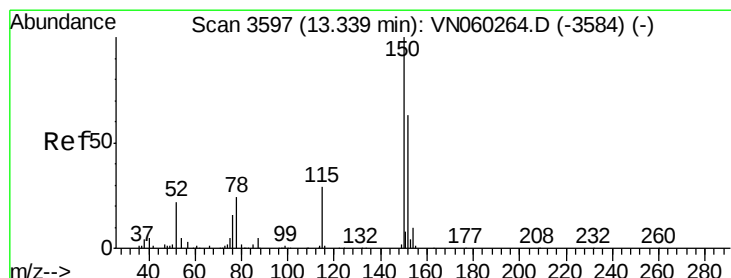
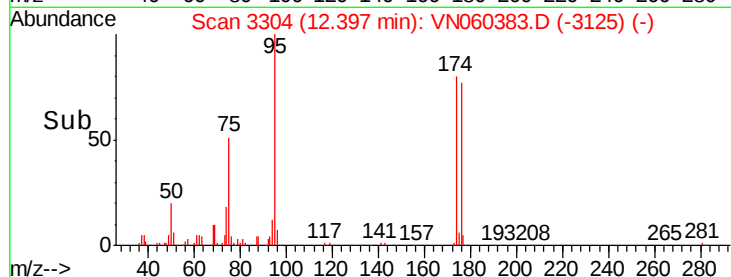
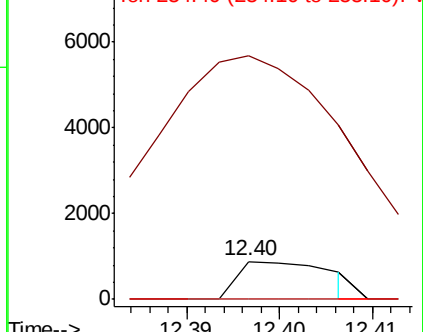
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

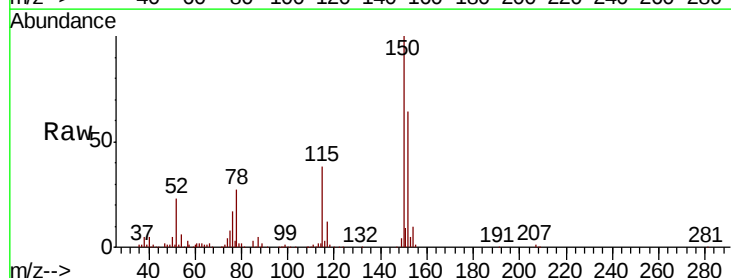
Tgt Ion:152 Resp: 150463

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

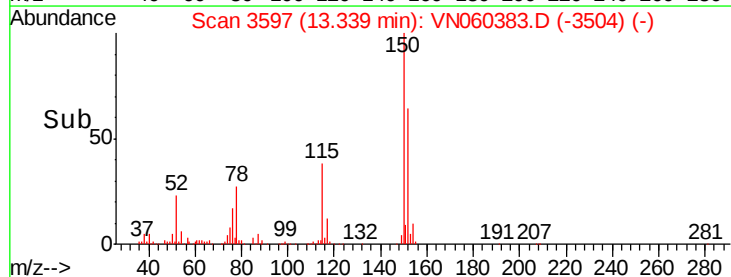
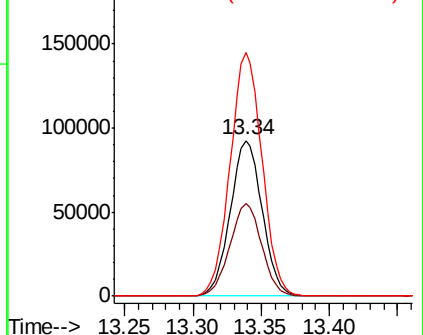
150 156.6 0.0 349.6

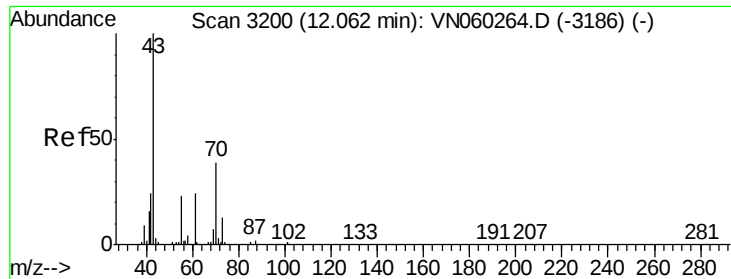


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.499 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2430

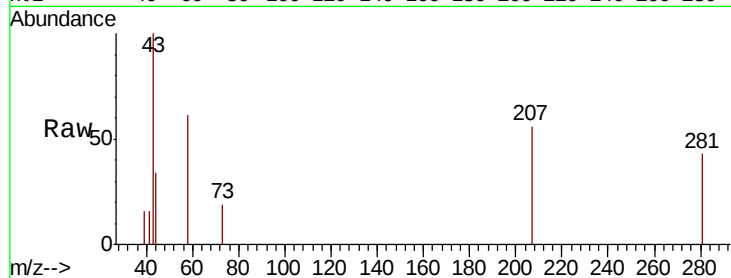
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

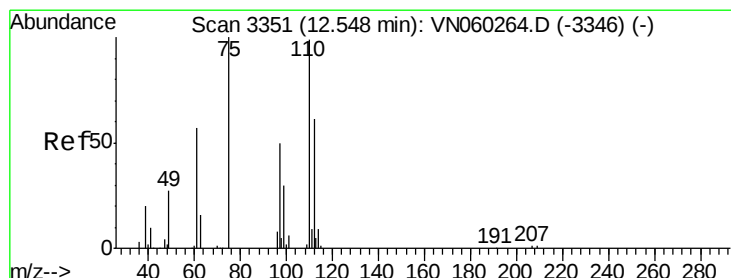
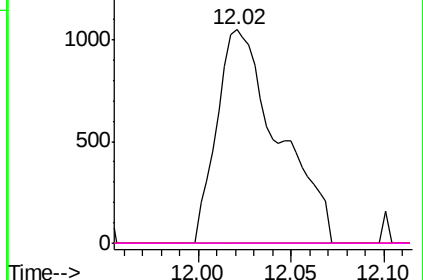
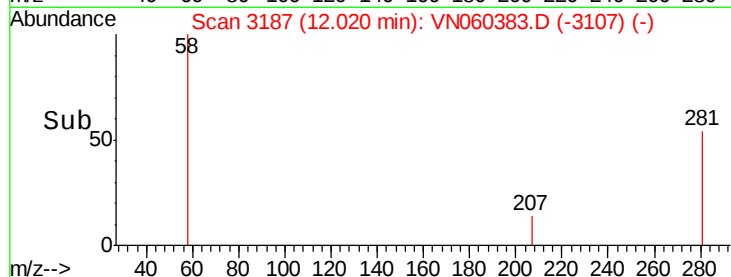


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.493 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060383.D

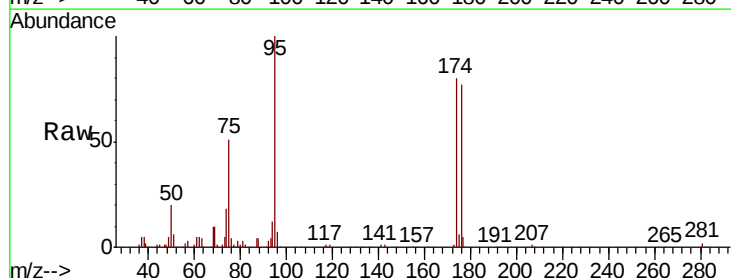
Acq: 6 Mar 2020 16:13

Tgt Ion: 75 Resp: 80857

Ion Ratio Lower Upper

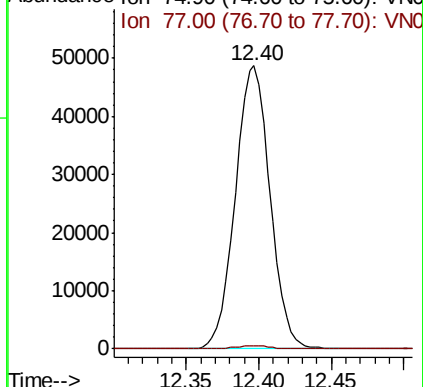
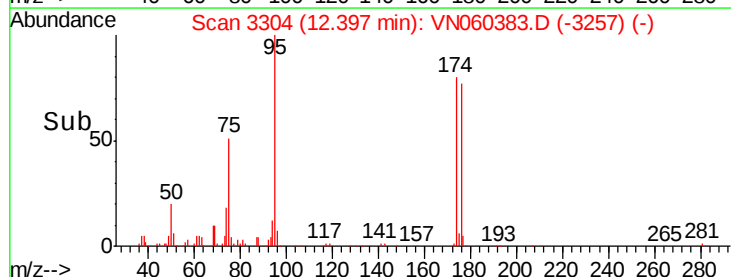
75 100

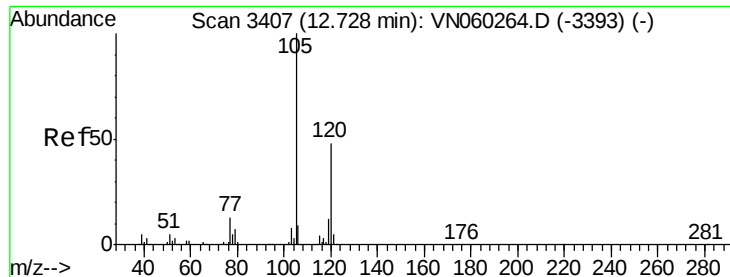
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

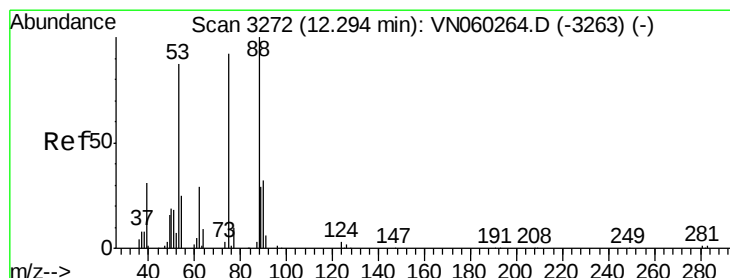
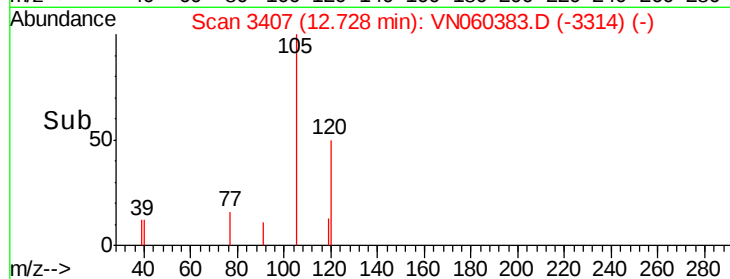
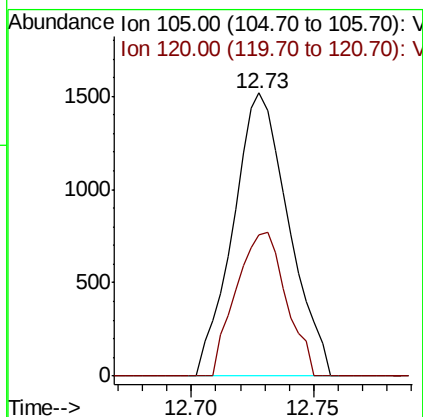
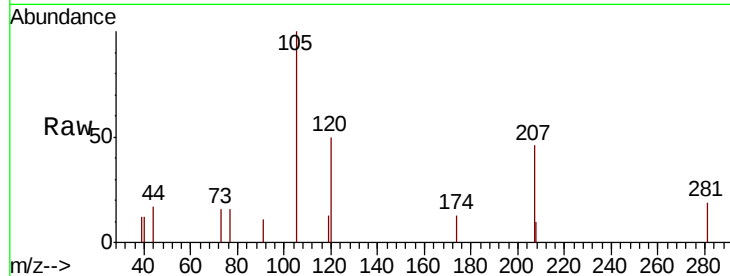




#80
 1,3,5-Trimethylbenzene
 Concen: 0.255 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060383.D
 Acq: 6 Mar 2020 16:13

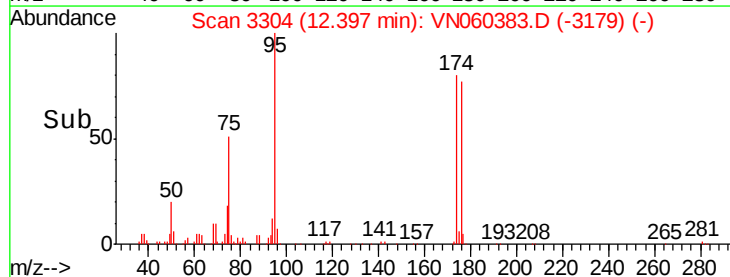
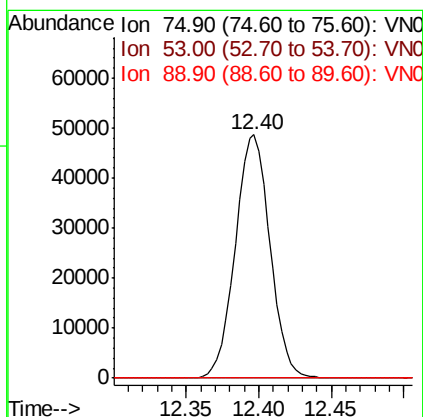
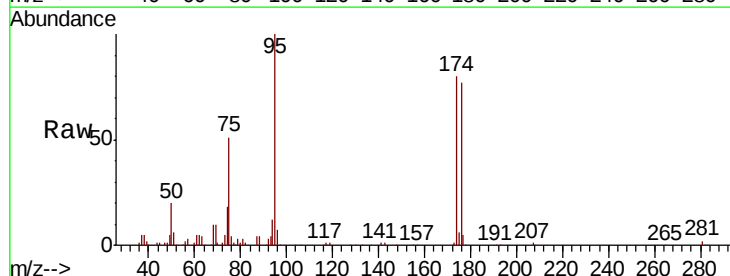
Instrument :
 MSVOA_N
 ClientSampleId :

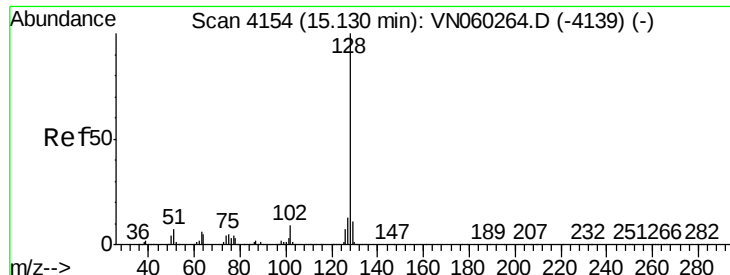
Tot Ion:105 Resp: 2392
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.613 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060383.D
 Acq: 6 Mar 2020 16:13

Tgt Ion: 75 Resp: 80857
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

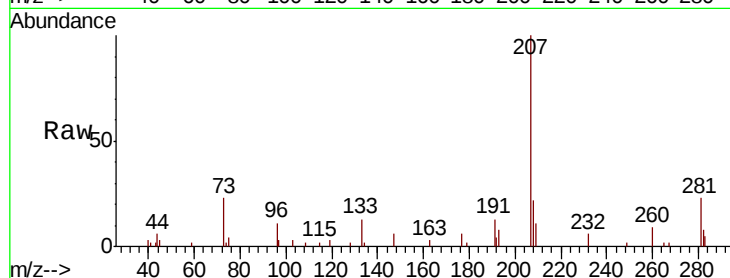
Lab File: VN060383.D

Acq: 6 Mar 2020 16:13

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	250
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

