

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060526.D
 Acq On : 16 Mar 2020 16:22
 Operator : JC/MD
 Sample : L1942-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-SA

Quant Time: Mar 17 08:45:10 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	216020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	358689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151345	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	140100	50.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.10%	
35) Dibromofluoromethane	7.56	113	106286	63.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.68%	
50) Toluene-d8	10.08	98	441923	52.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	163984	51.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.68%	

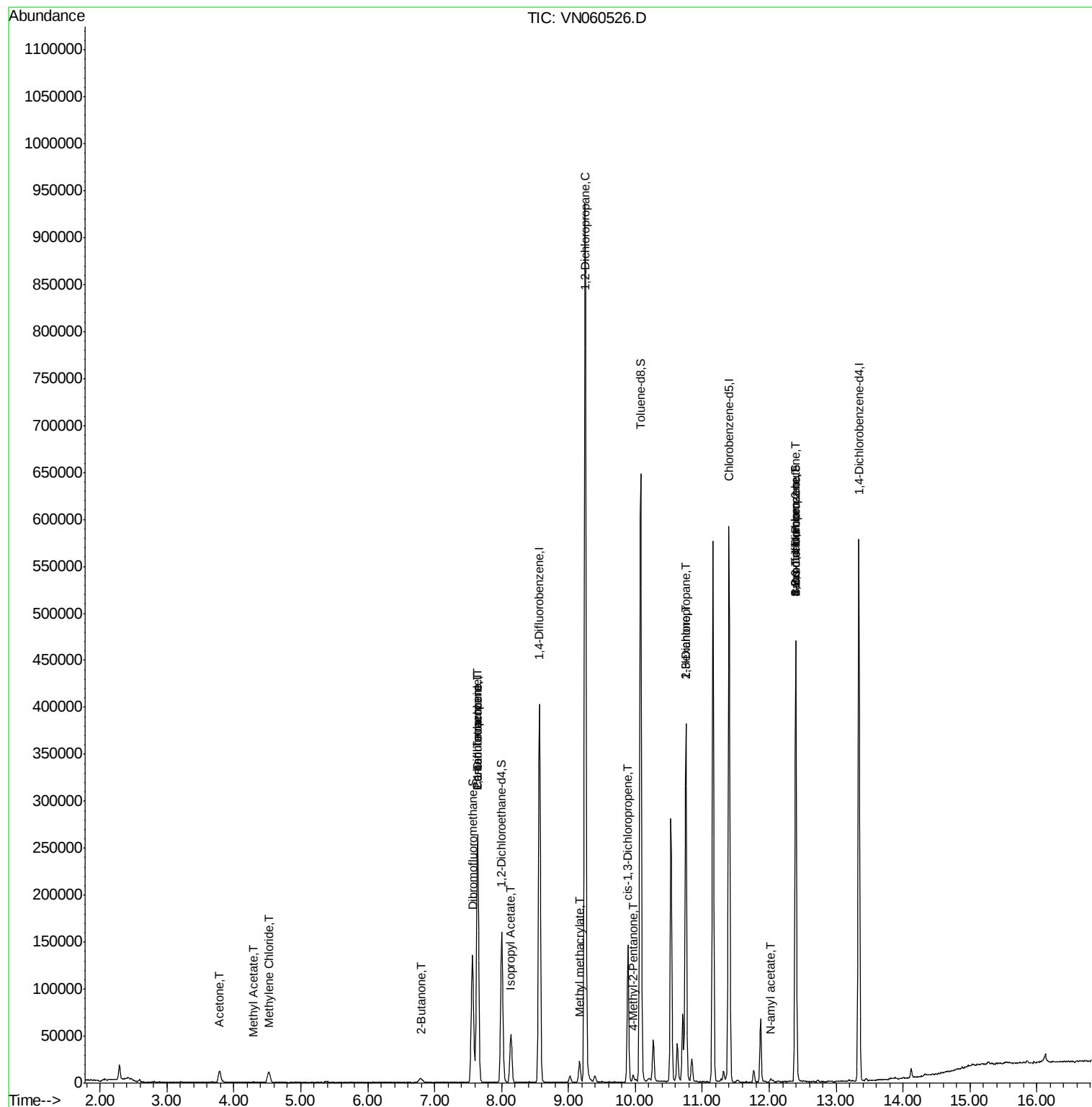
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	21990	24.569	ug/l	98
17) Carbon Disulfide	4.03	76	312	Below Cal	#	75
18) Methyl Acetate	4.29	43	2076	0.695	ug/l #	55
20) Methylene Chloride	4.52	84	8629	3.511	ug/l	91
25) 2-Butanone	6.81	43	5203	3.599	ug/l	98
31) Cyclohexane	7.64	56	4677	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16563	4.845	ug/l #	48
38) Carbon Tetrachloride	7.64	117	20724	6.227	ug/l #	16
43) Isopropyl Acetate	8.14	43	63074	11.131	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	1097	0.422	ug/l #	44
48) Methyl methacrylate	9.16	41	3510	1.358	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5202	1.619	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	25530	5.857	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	4019	0.981	ug/l #	42
59) 2-Hexanone	10.75	43	55481	23.519	ug/l #	52
71) Bromoform	12.39	173	570	0.316	ug/l #	1
74) N-amyl acetate	12.02	43	2299	0.469	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	83158	25.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	83158	69.132	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	100	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	100	Below Cal	#	25
95) Naphthalene	15.13	128	337	Below Cal	#	69

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

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ClientSampled :
TP-3-SA

Quant Time: Mar 17 08:45:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampled :

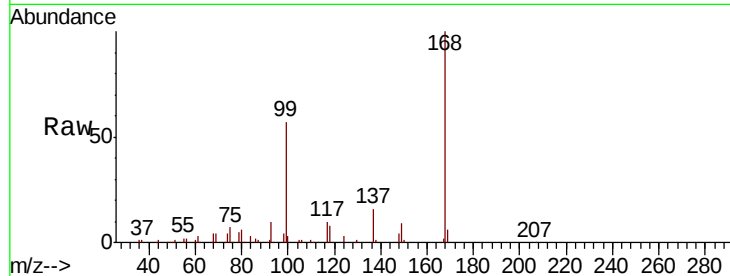
TP-3-SA

Tot Ion:168 Resp: 216020

Ion Ratio Lower Upper

168 100

99 56.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

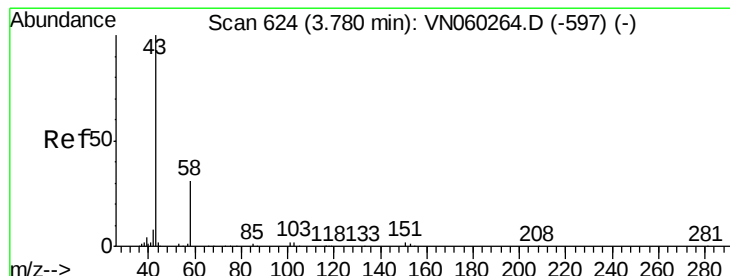
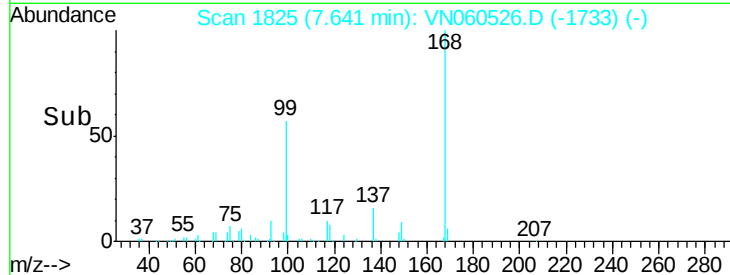
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 24.569 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060526.D

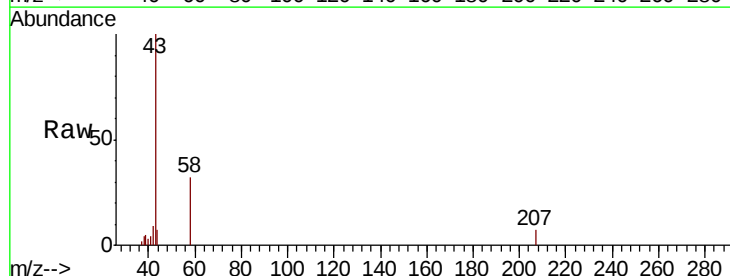
Acq: 16 Mar 2020 16:22

Tgt Ion: 43 Resp: 21990

Ion Ratio Lower Upper

43 100

58 31.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

8000

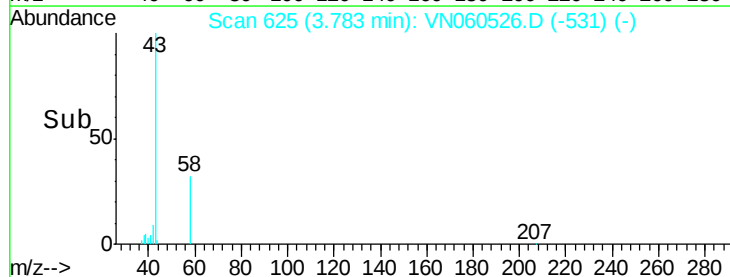
6000

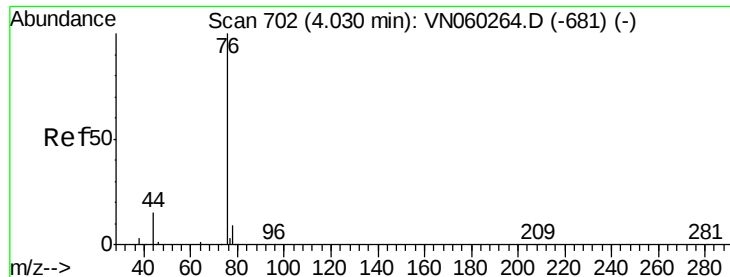
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

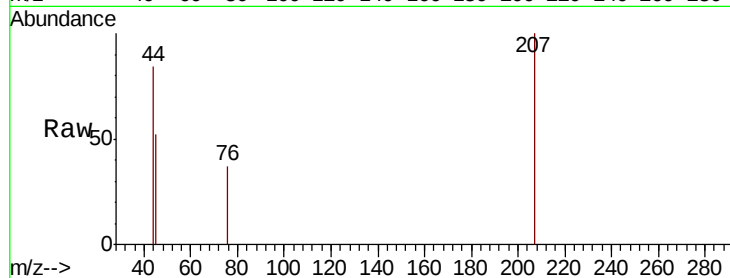
TP-3-SA

Tot Ion: 76 Resp: 312

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

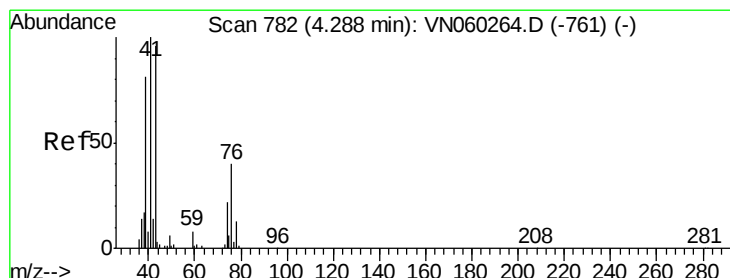
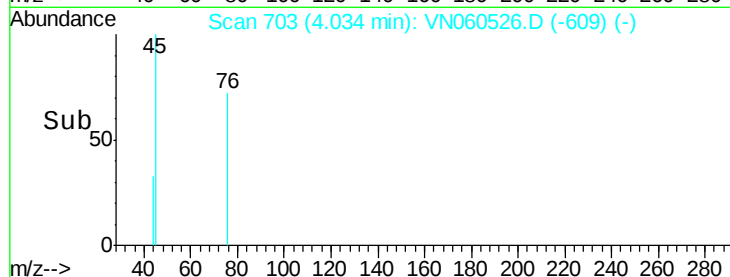
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 0.695 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060526.D

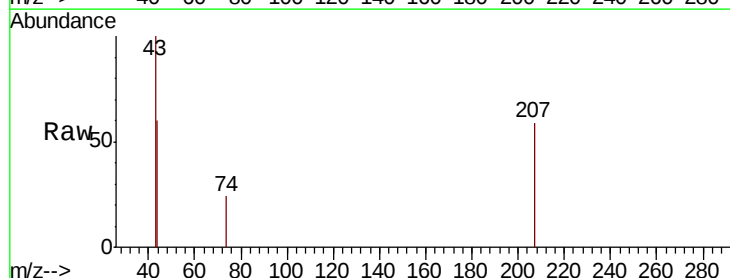
Acq: 16 Mar 2020 16:22

Tgt Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

74 1.4 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

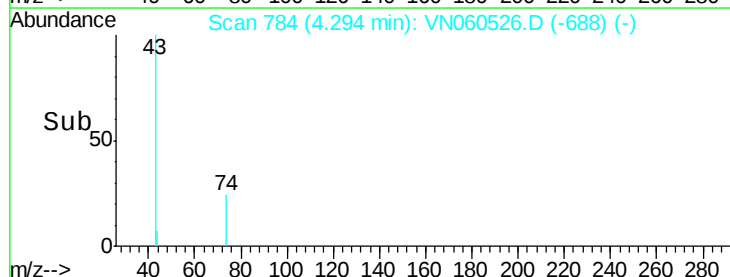
600

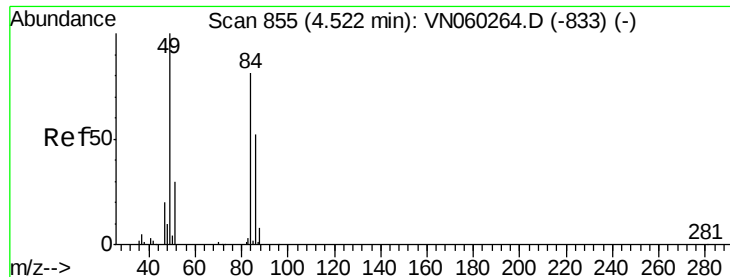
400

200

0

Time-->

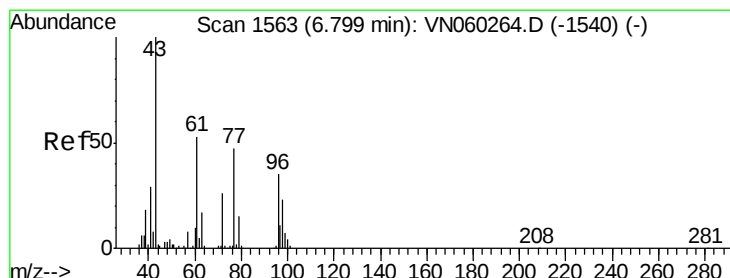
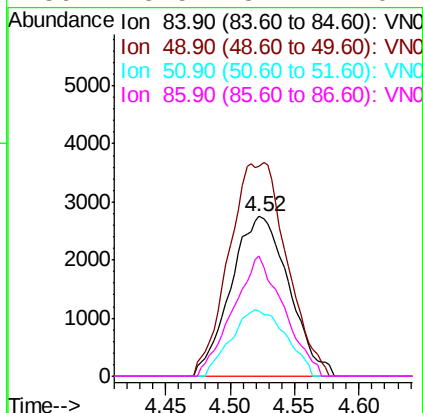
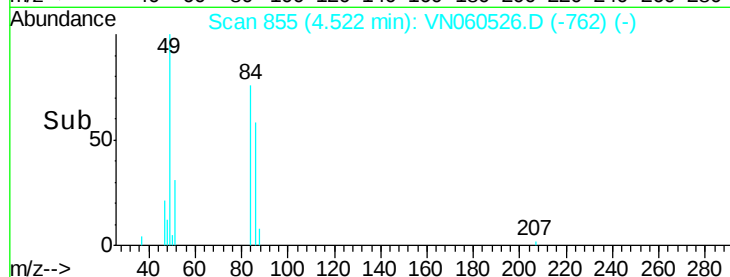
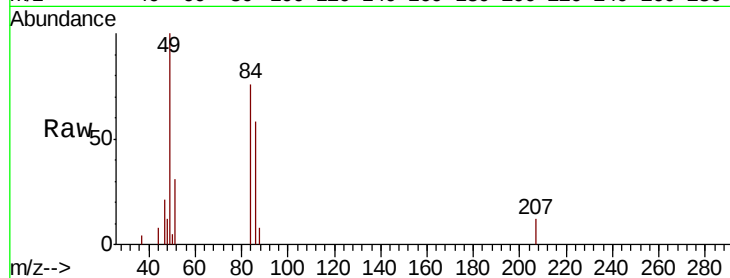




#20
Methvlene Chloride
Concen: 3.511 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060526.D
Acq: 16 Mar 2020 16:22

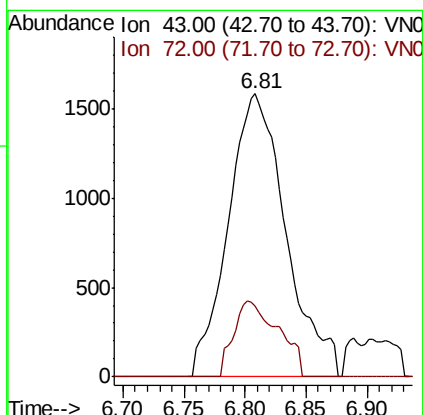
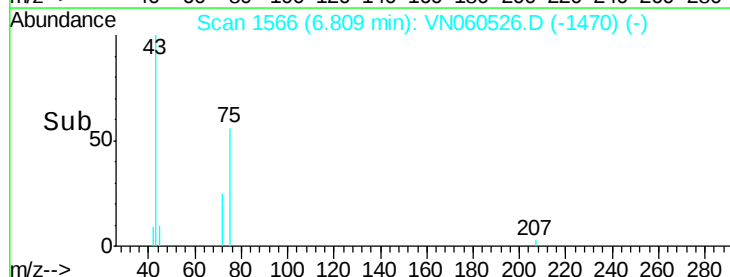
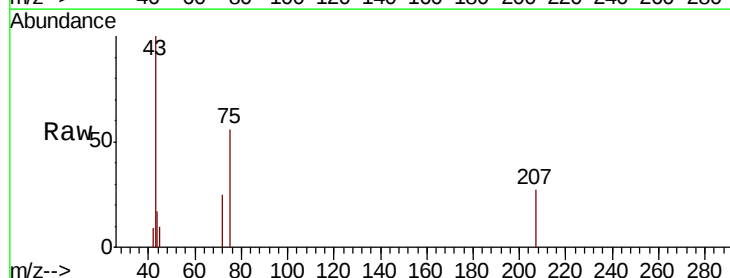
Instrument :
MSVOA_N
ClientSampled :
TP-3-SA

Tot Ion:	84	Resp:	8629
Ion	Ratio	Lower	Upper
84	100		
49	131.3	99.3	148.9
51	41.2	30.1	45.1
86	75.5	51.1	76.7



#25
2-Butanone
Concen: 3.599 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060526.D
Acq: 16 Mar 2020 16:22

Tgt Ion:	43	Resp:	5203
Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.9	31.3

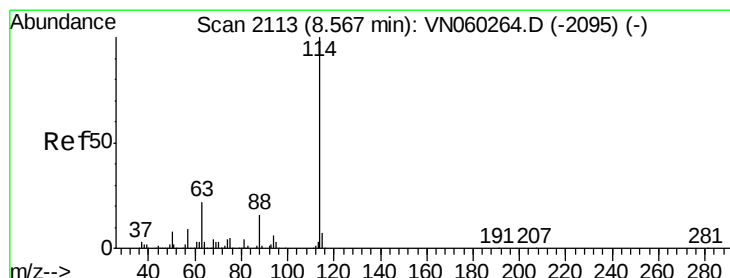
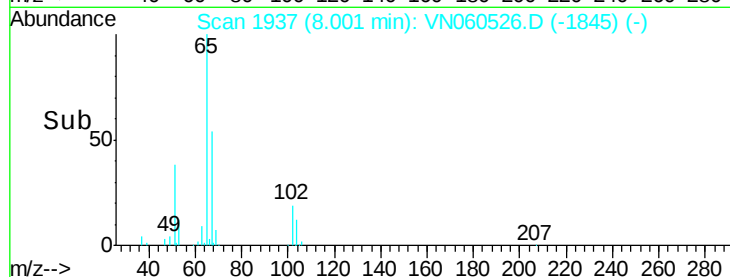
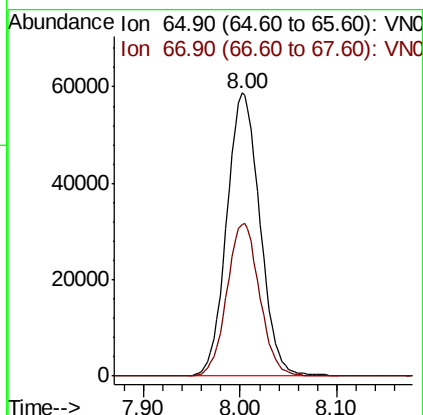
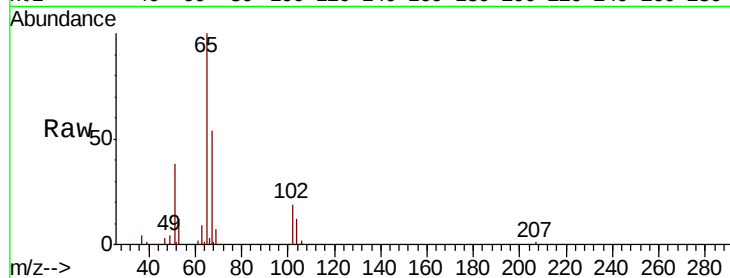




#33
 1,2-Dichloroethane-d4
 Concen: 50.549 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060526.D
 Acq: 16 Mar 2020 16:22

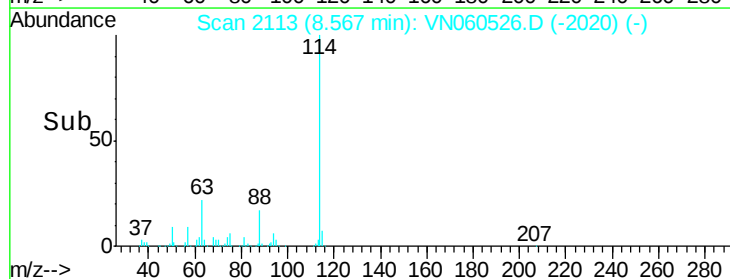
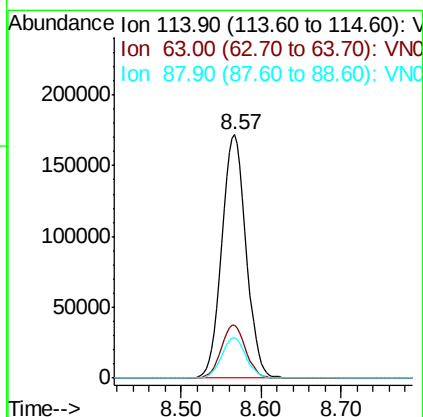
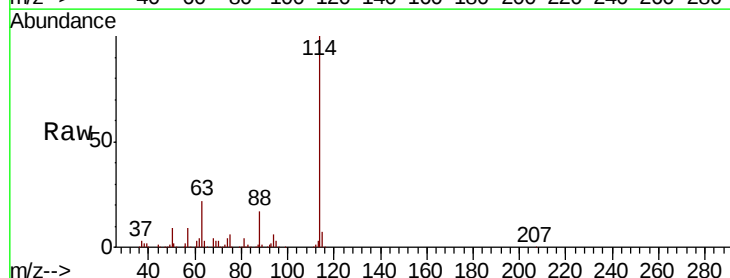
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-SA

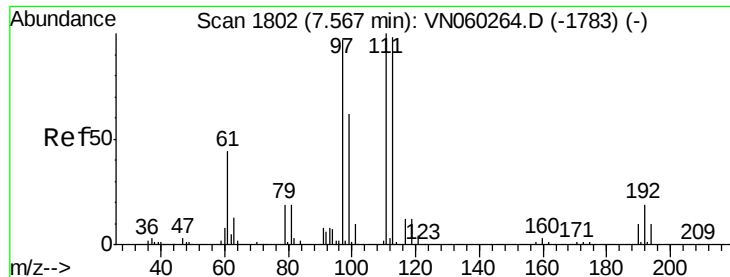
Tot Ion: 65 Resp: 140100
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060526.D
 Acq: 16 Mar 2020 16:22

Tgt Ion: 114 Resp: 358689
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.6 0.0 31.6

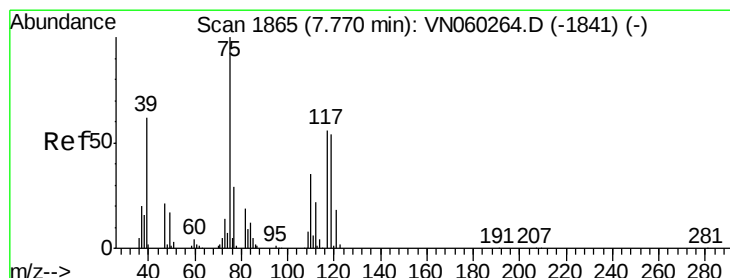
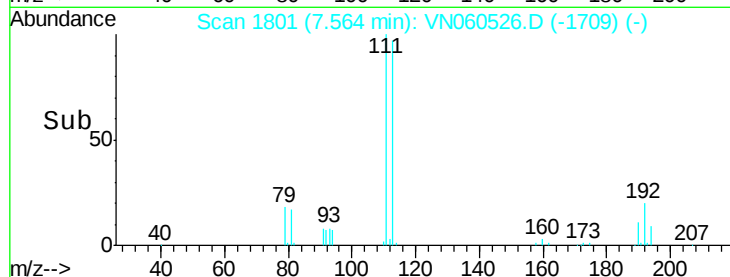
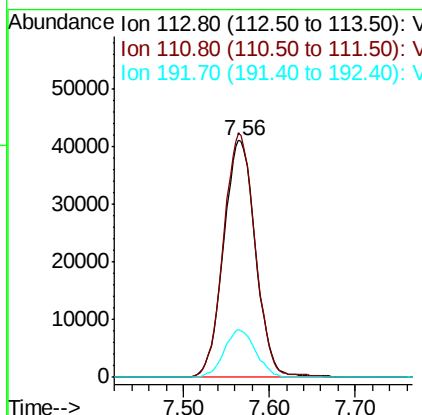
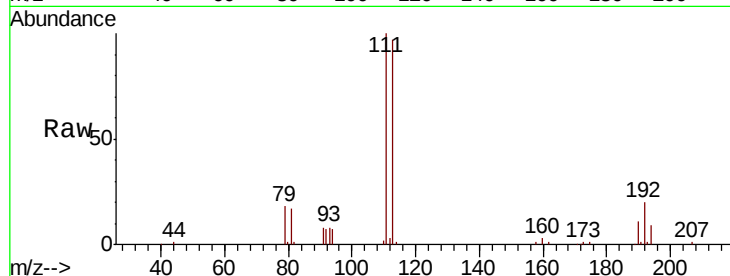




#35
 Dibromofluoromethane
 Concen: 63.839 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060526.D
 Acq: 16 Mar 2020 16:22

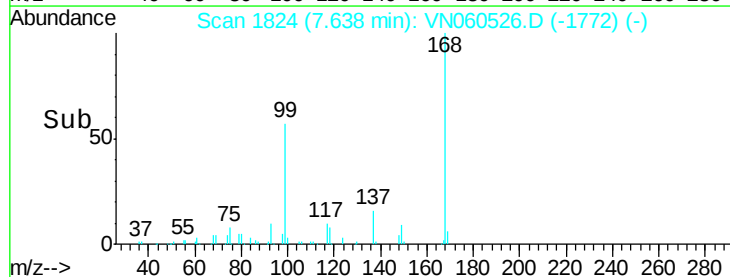
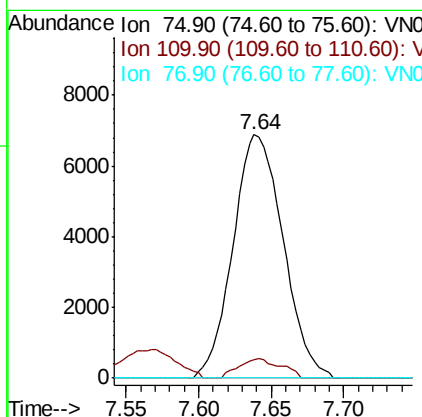
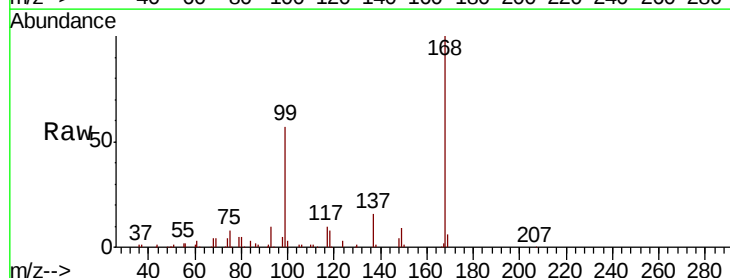
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-SA

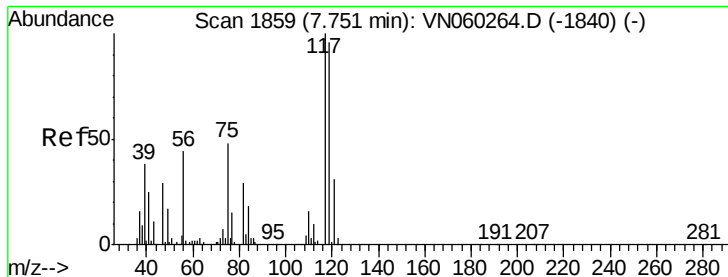
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.4	123.6
192	19.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060526.D
 Acq: 16 Mar 2020 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	17.3	52.0#
77	0.0	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

TP-3-SA

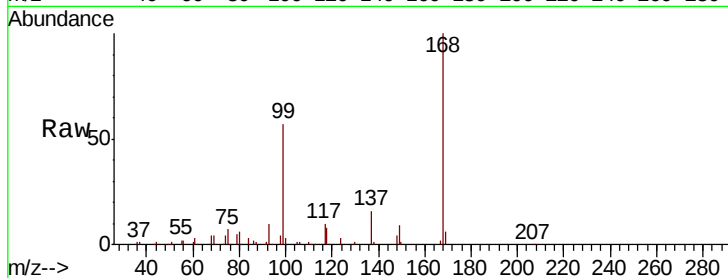
Tot Ion:117 Resp: 20724

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

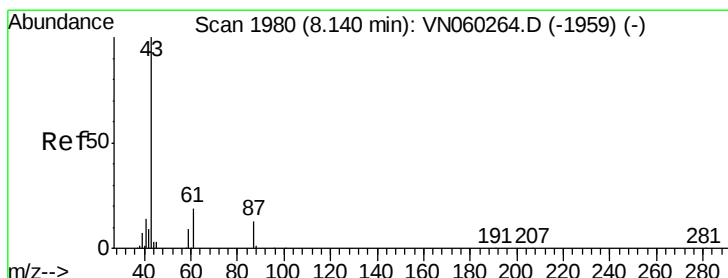
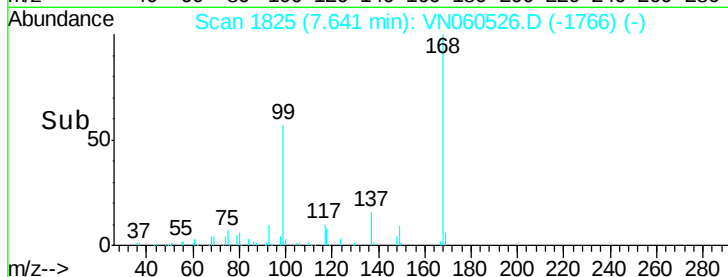
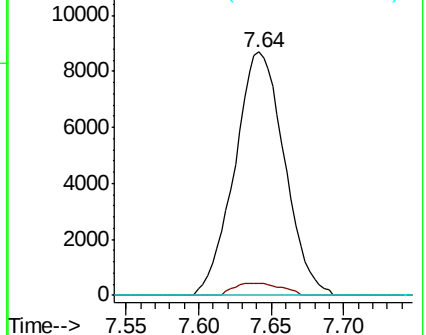
121 0.0 24.5 36.7#



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: 11.131 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

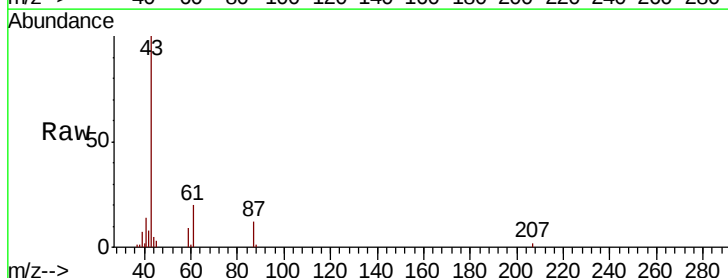
Tgt Ion: 43 Resp: 63074

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

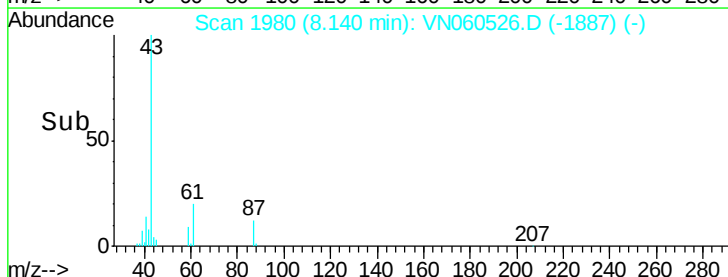
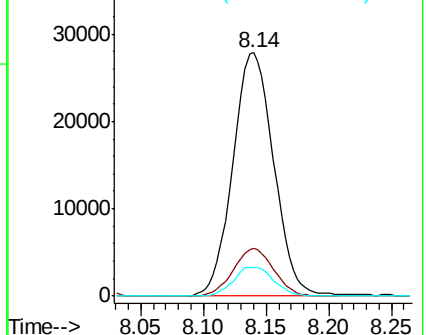
87 11.6 10.6 16.0

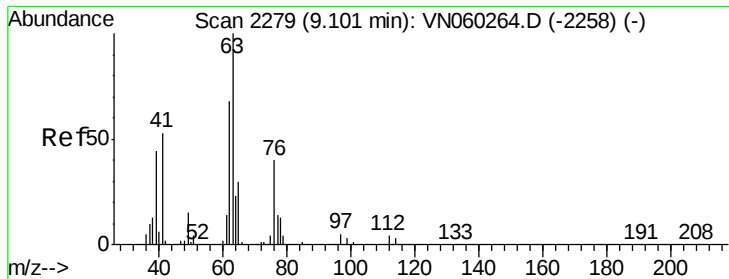


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.422 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.14 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

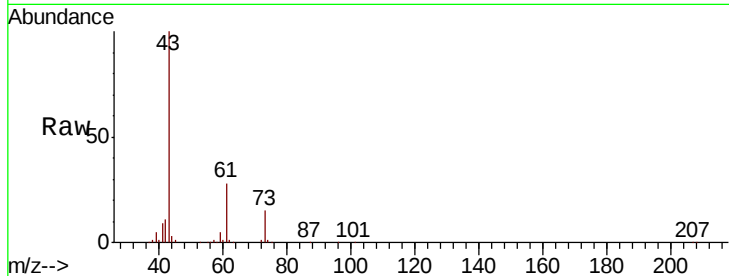
TP-3-SA

Tot Ion: 63 Resp: 1097

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.24

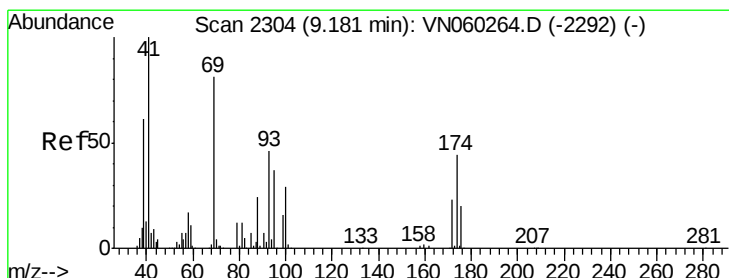
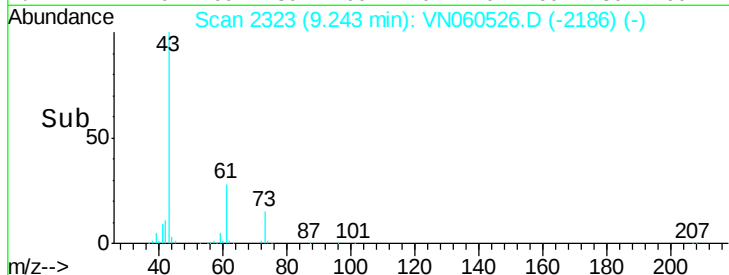
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.358 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

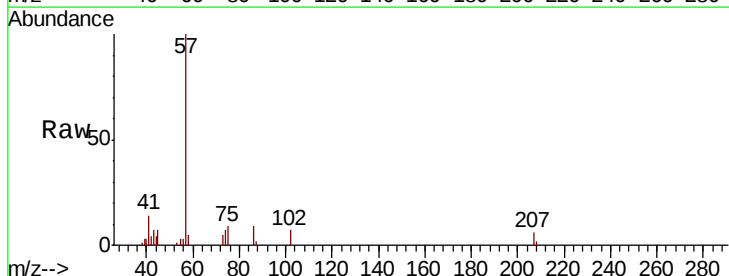
Tgt Ion: 41 Resp: 3510

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

40000

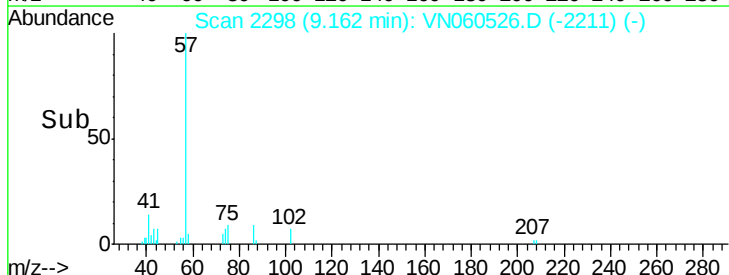
30000

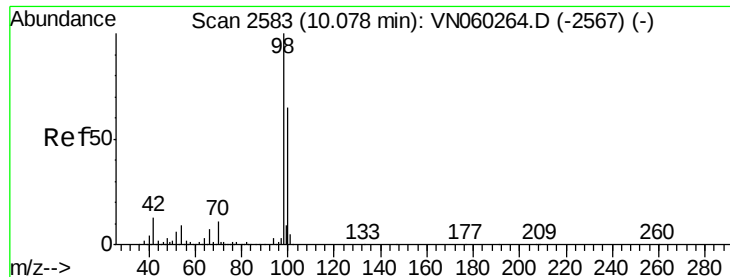
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 52.445 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampled :

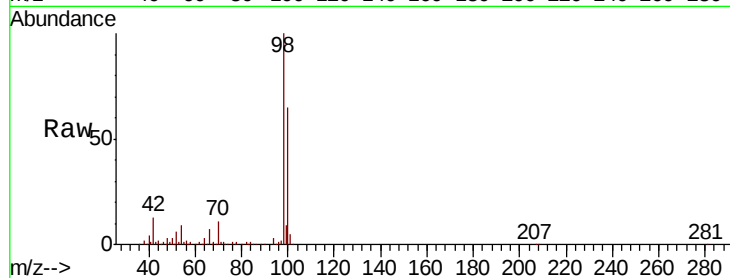
TP-3-SA

Tot Ion: 98 Resp: 441923

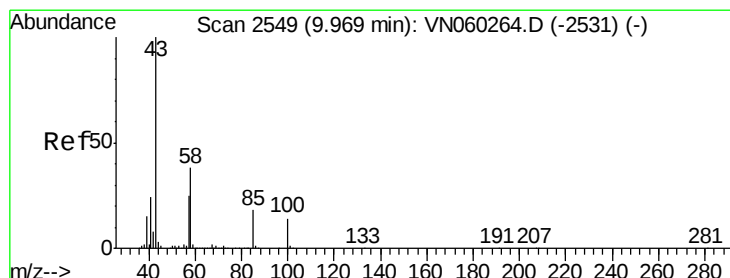
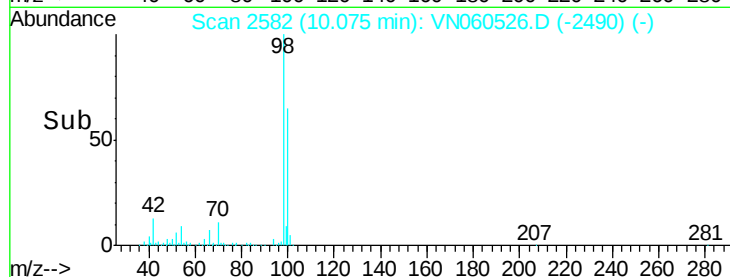
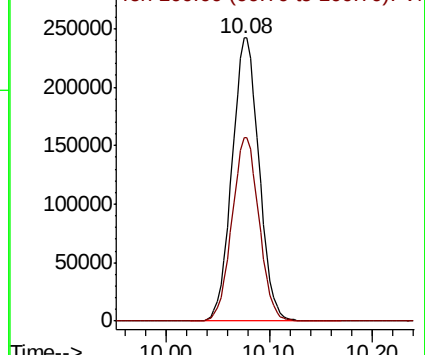
Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060526.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.619 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060526.D

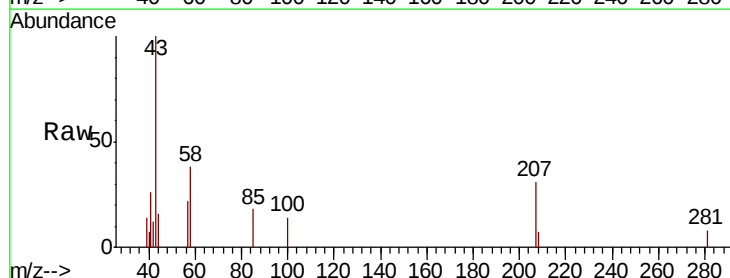
Acq: 16 Mar 2020 16:22

Tgt Ion: 43 Resp: 5202

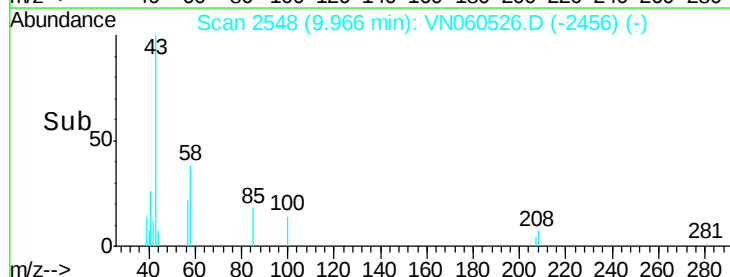
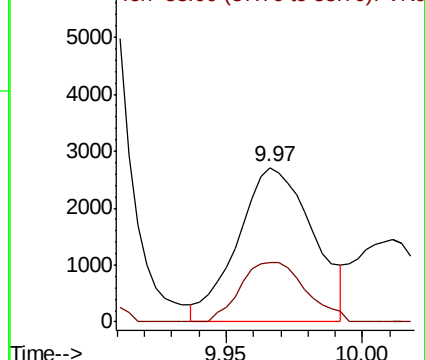
Ion Ratio Lower Upper

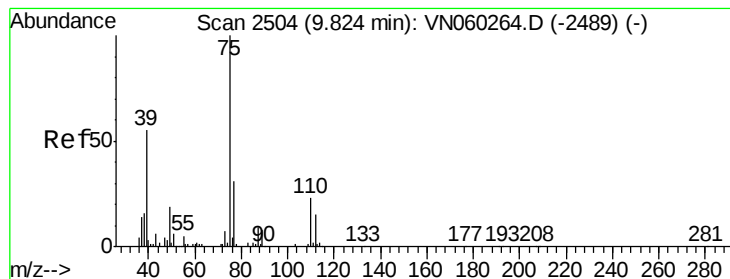
43 100

58 33.6 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060526.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.857 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

TP-3-SA

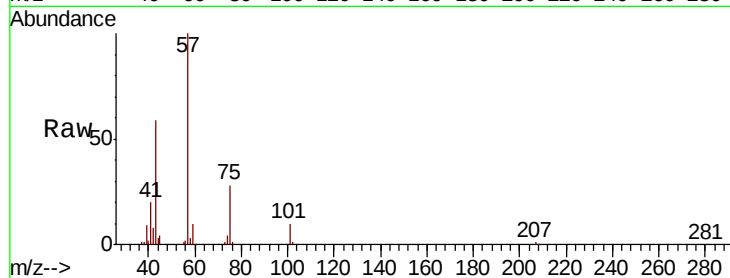
Tot Ion: 75 Resp: 25530

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

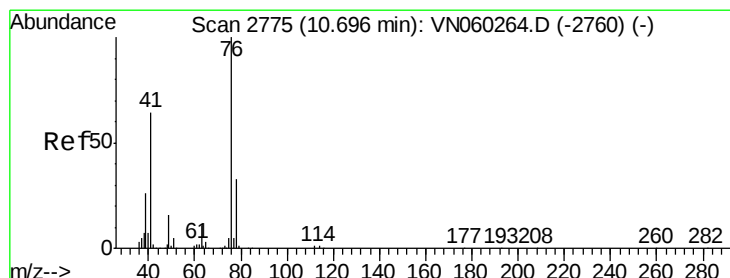
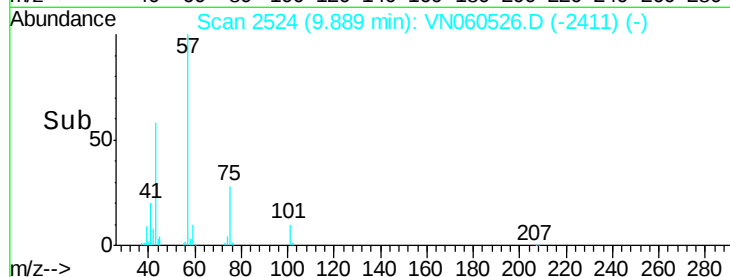
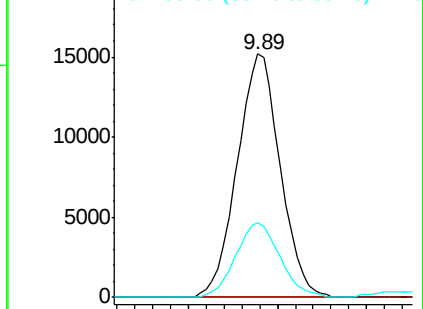
39 30.6 43.8 65.8#



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



#57

1,3-Dichloropropane

Concen: 0.981 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060526.D

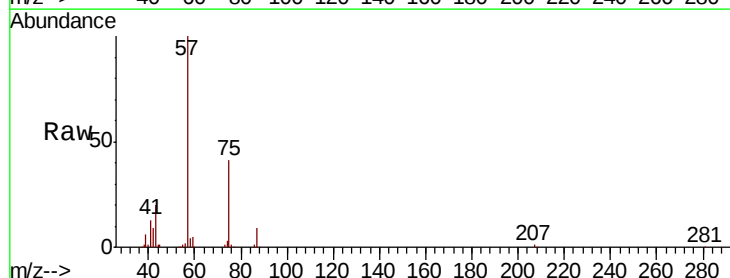
Acq: 16 Mar 2020 16:22

Tgt Ion: 76 Resp: 4019

Ion Ratio Lower Upper

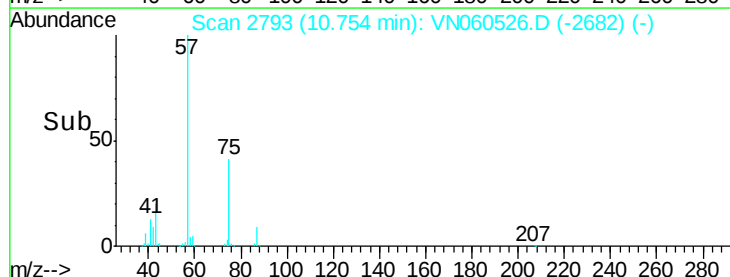
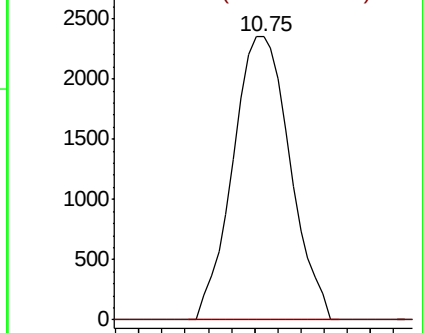
76 100

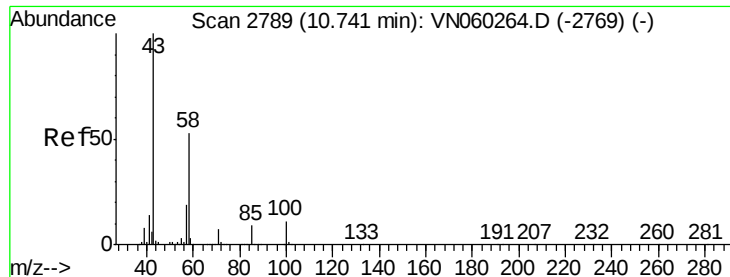
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

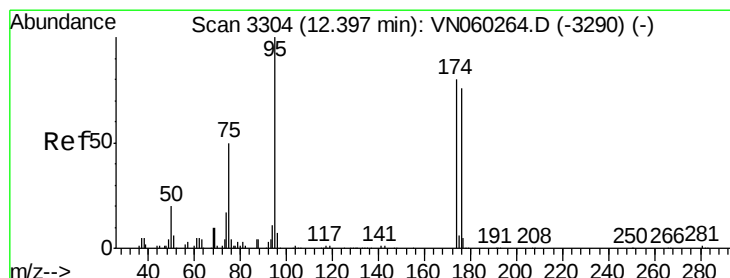
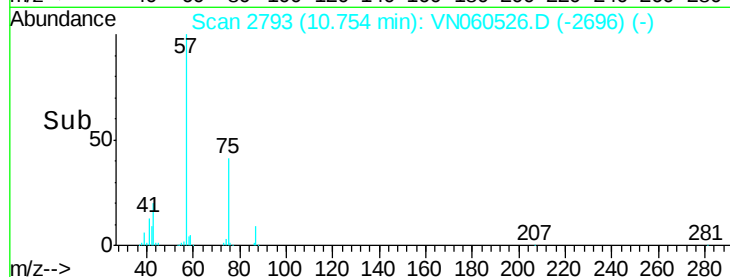
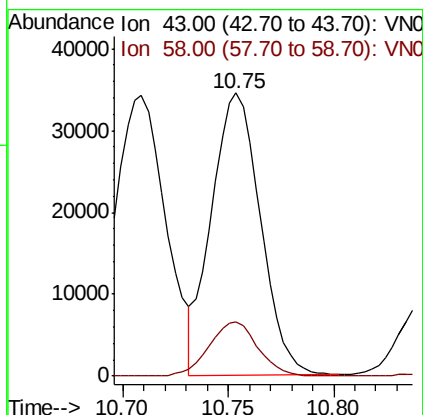
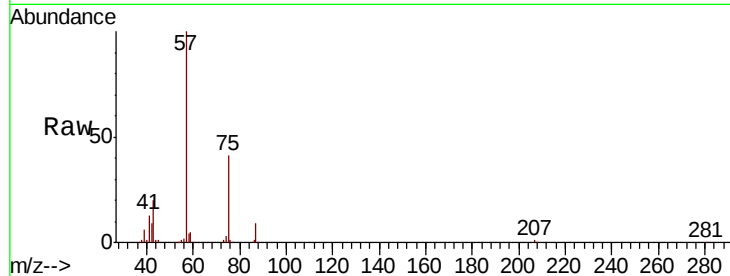




#59
2-Hexanone
Concen: 23.519 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060526.D
Acq: 16 Mar 2020 16:22

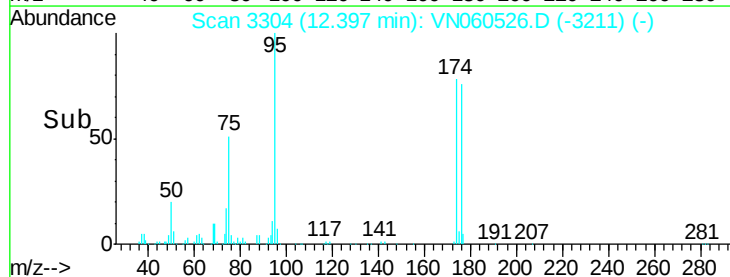
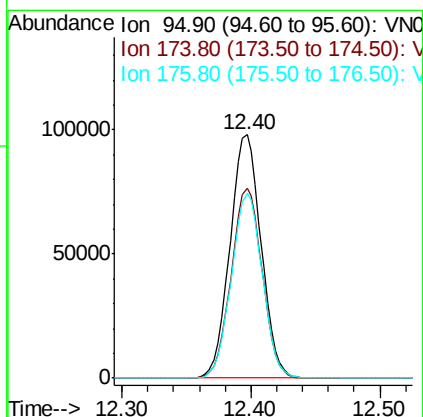
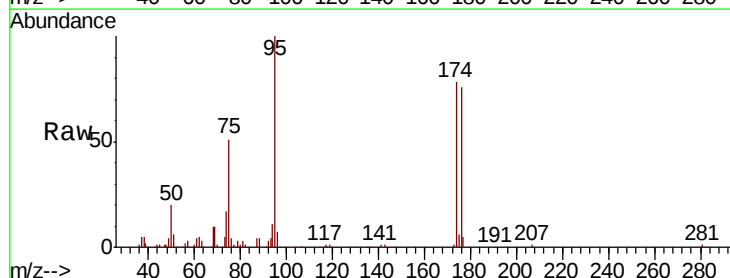
Instrument :
MSVOA_N
ClientSampleId :
TP-3-SA

Tot Ion: 43 Resp: 55481
Ion Ratio Lower Upper
43 100
58 19.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.338 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060526.D
Acq: 16 Mar 2020 16:22

Tgt Ion: 95 Resp: 163984
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.2
176 75.6 0.0 153.8

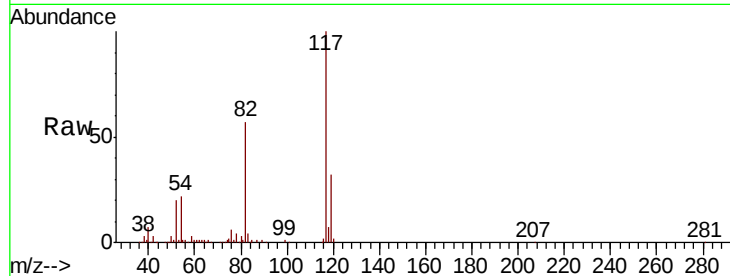




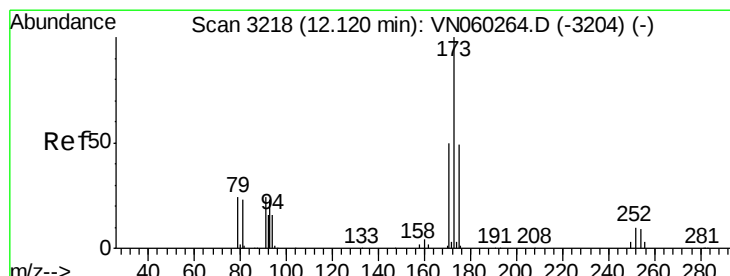
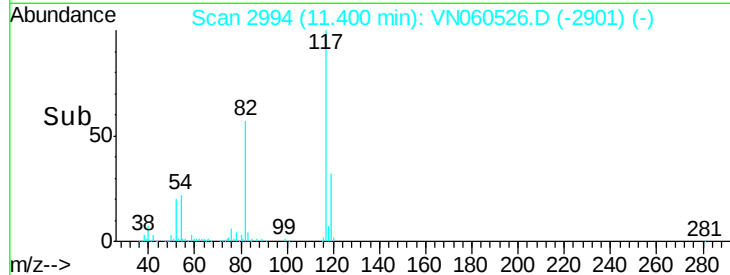
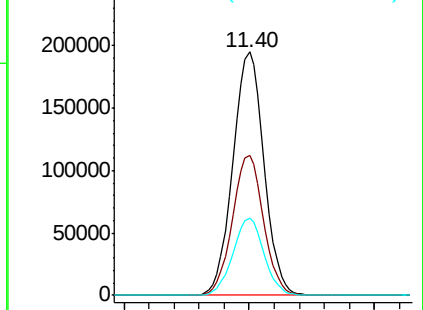
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060526.D
Acq: 16 Mar 2020 16:22

Instrument :
MSVOA_N
ClientSampled :
TP-3-SA

Tot Ion:117 Resp: 335267
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 31.7 25.8 38.8

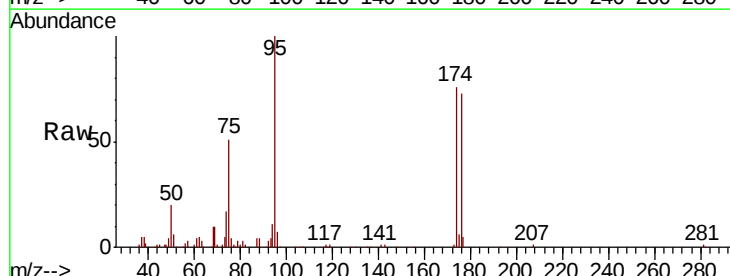


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

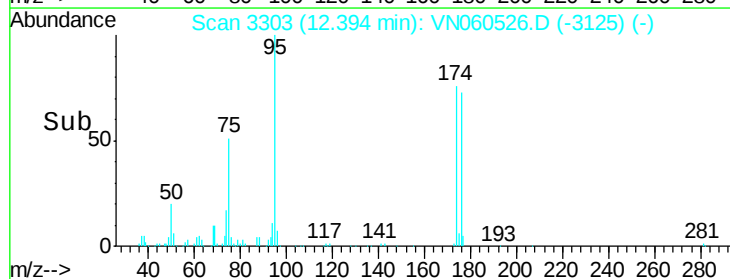
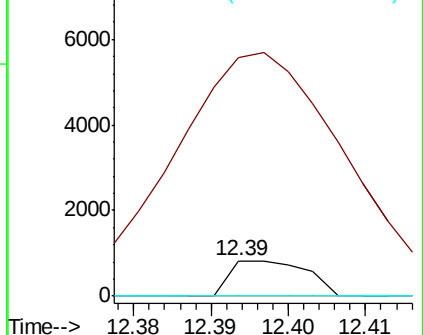


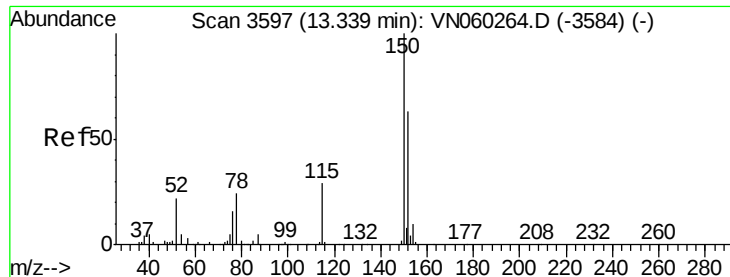
#71
Bromoform
Concen: 0.316 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060526.D
Acq: 16 Mar 2020 16:22

Tgt Ion:173 Resp: 570
Ion Ratio Lower Upper
173 100
175 1378.6 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: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampleId :

TP-3-SA

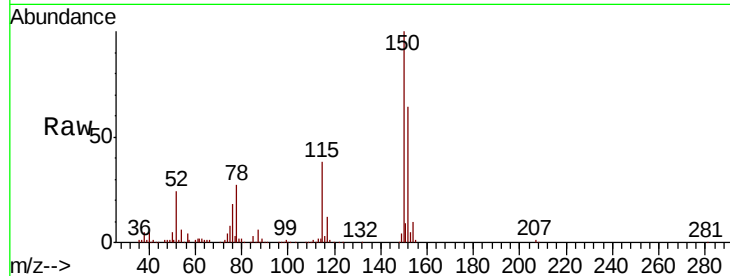
Tot Ion:152 Resp: 151345

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 156.3 0.0 349.6

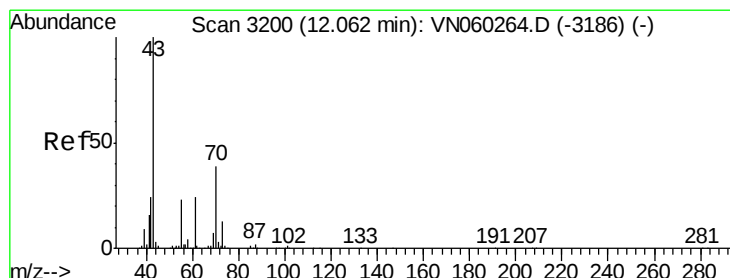
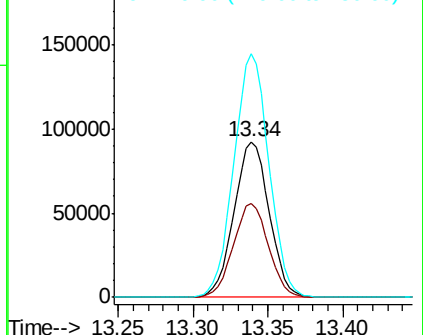
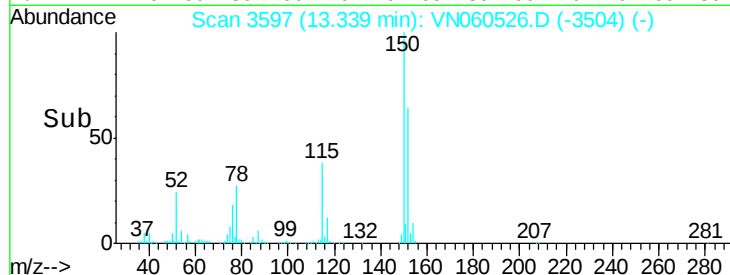


Abundance

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-ethyl acetate

Concen: 0.469 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Tgt Ion: 43 Resp: 2299

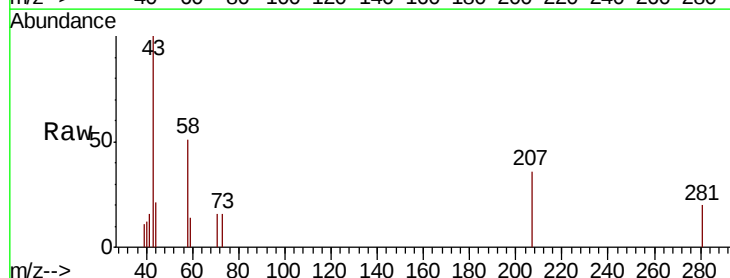
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#



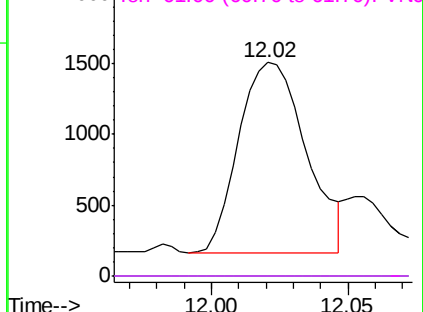
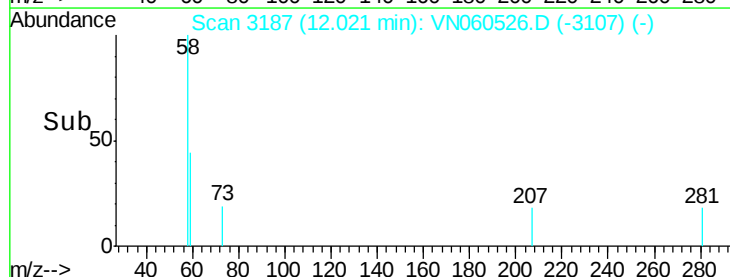
Abundance

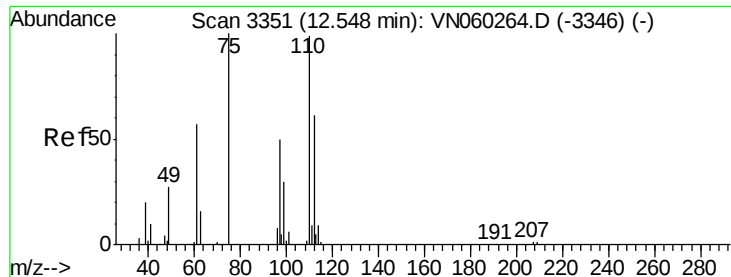
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.044 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

Instrument :

MSVOA_N

ClientSampled :

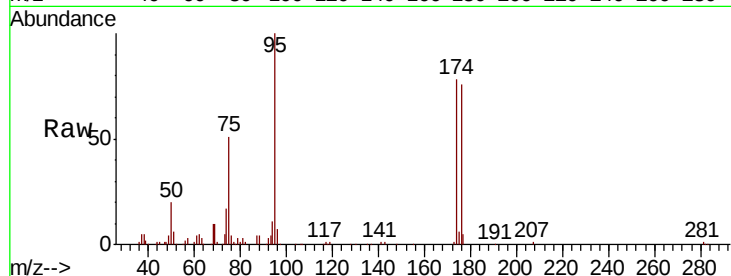
TP-3-SA

Tot Ion: 75 Resp: 83158

Ion Ratio Lower Upper

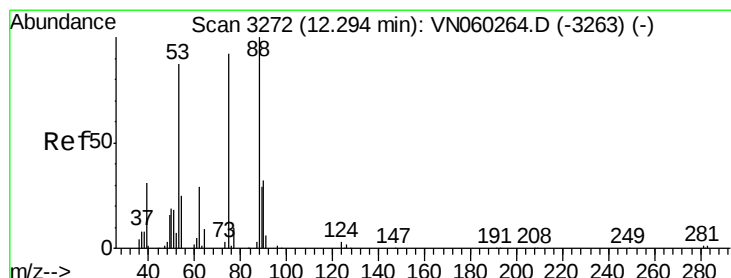
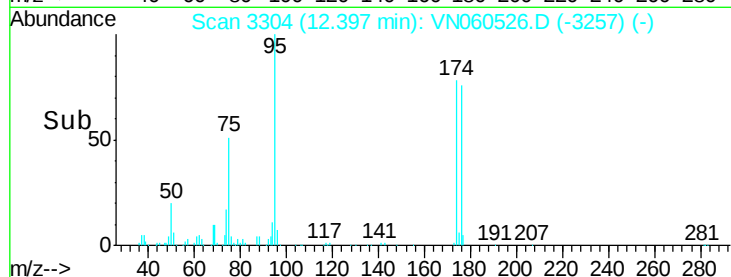
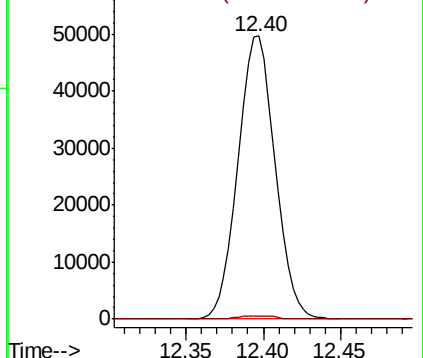
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060526.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060526.D (-3304) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 69.132 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060526.D

Acq: 16 Mar 2020 16:22

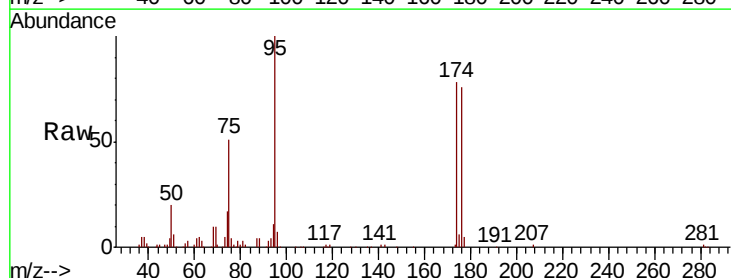
Tgt Ion: 75 Resp: 83158

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

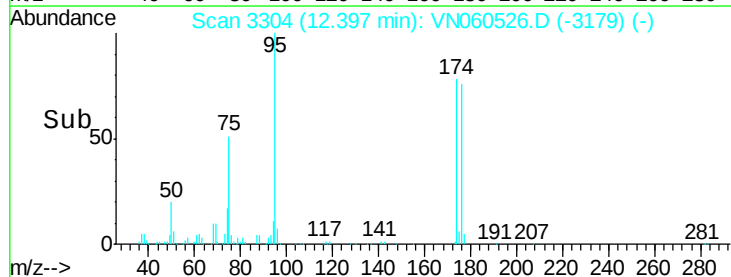
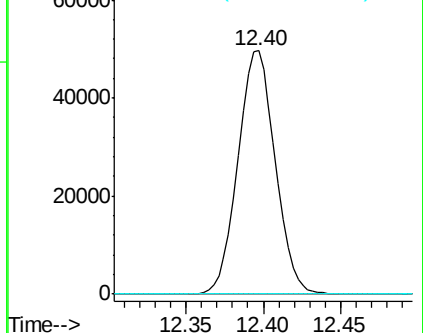
89 0.0 57.1 85.7#

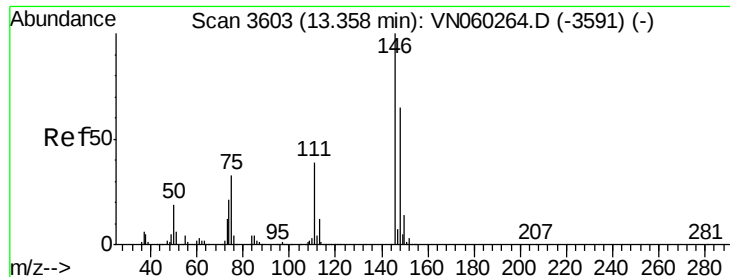


Abundance Ion 74.90 (74.60 to 75.60): VN060526.D (-3304) (-)

Ion 53.00 (52.70 to 53.70): VN060526.D (-3304) (-)

Ion 88.90 (88.60 to 89.60): VN060526.D (-3304) (-)

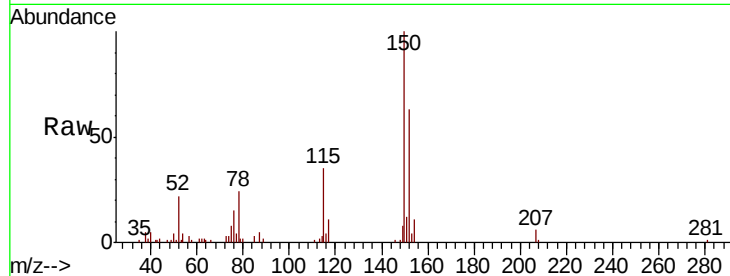




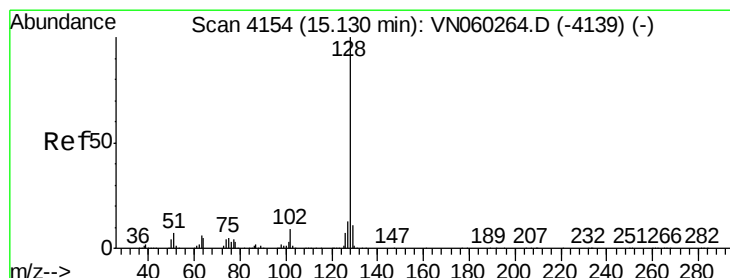
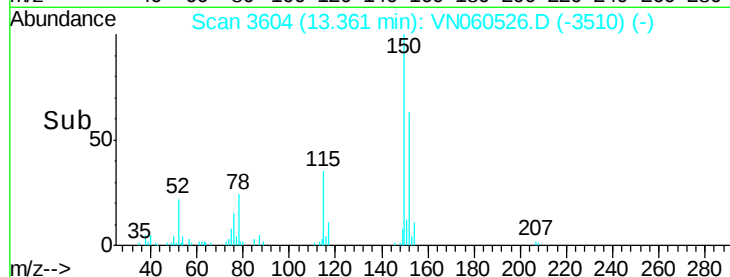
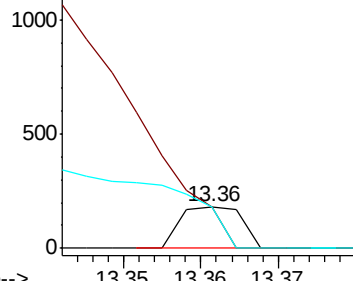
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060526.D
 Acq: 16 Mar 2020 16:22

Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-SA

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

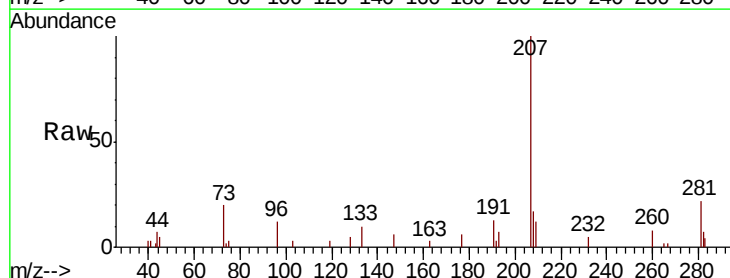


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN060526.D
 Acq: 16 Mar 2020 16:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

