

Data File : VN060447.D
Acq On : 11 Mar 2020 14:04
Operator : JC/MD
Sample : L1859-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-7-SA

Quant Time: Mar 12 03:37:30 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	192509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123513	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.56	113	94757	64.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.26%	
50) Toluene-d8	10.08	98	395087	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.40	95	149094	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
16) Acetone	3.79	43	5002	6.271	ug/l	98
18) Methyl Acetate	4.30	43	1618	0.608	ug/l #	56
20) Methylene Chloride	4.53	84	17846	8.147	ug/l	99
25) 2-Butanone	6.80	43	588	0.456	ug/l #	49
31) Cyclohexane	7.64	56	4130	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14622	4.820	ug/l #	50
37) Ethyl Acetate	6.80	43	588	0.205	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18573	6.288	ug/l #	15
43) Isopropyl Acetate	8.14	43	54738	10.885	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	872	0.378	ug/l #	44
48) Methyl methacrylate	9.16	41	2929	1.277	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3757	1.318	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	22762	5.884	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3769	1.036	ug/l #	42
59) 2-Hexanone	10.75	43	53770	25.684	ug/l #	52
74) N-amyl acetate	12.03	43	3408	0.742	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	75305	24.201	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75305	66.806	ug/l #	8
95) Naphthalene	15.13	128	186	Below Cal	#	69

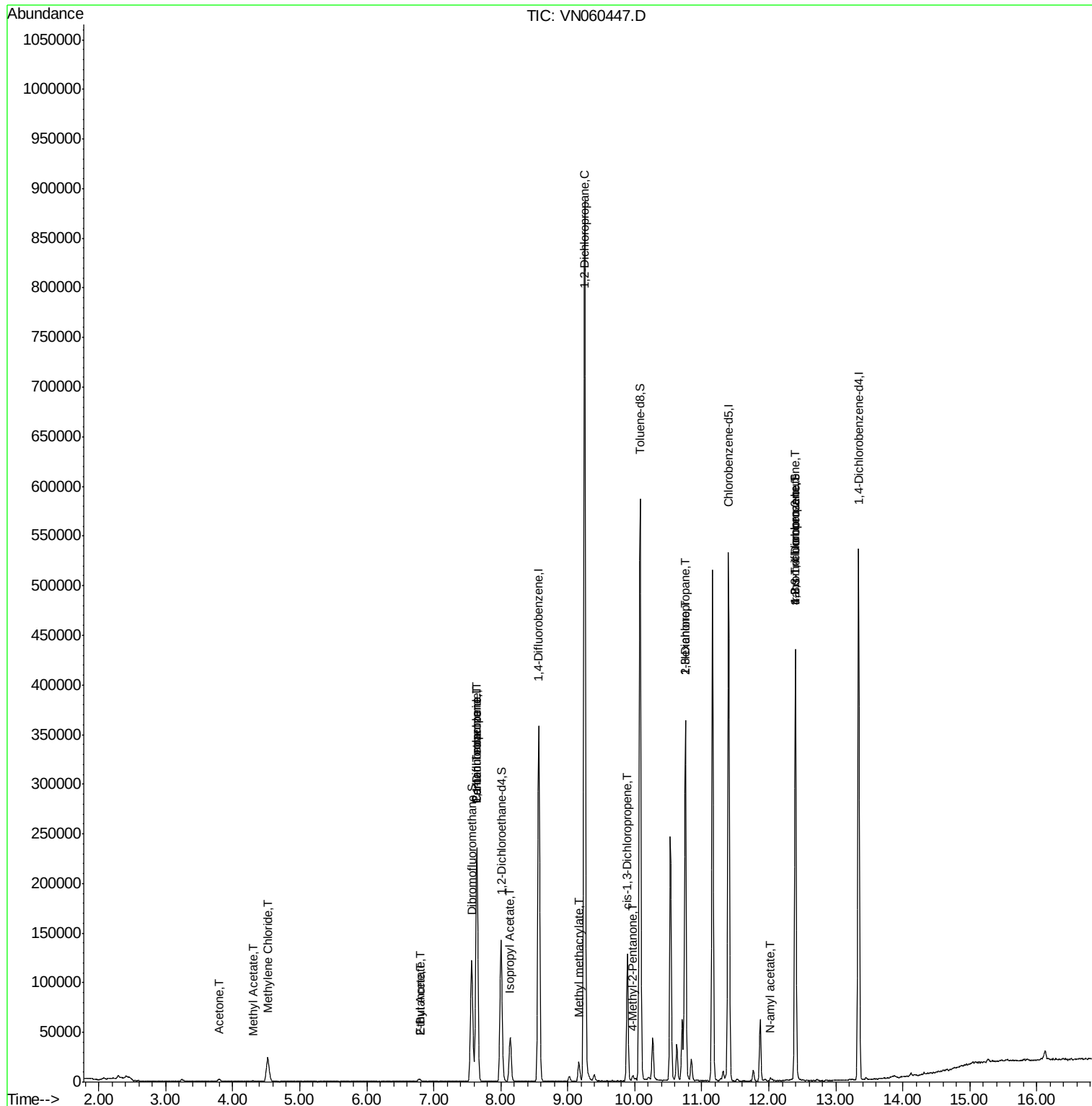
(#) = qualifier out of range (m) = manual integration (+) = signals summed

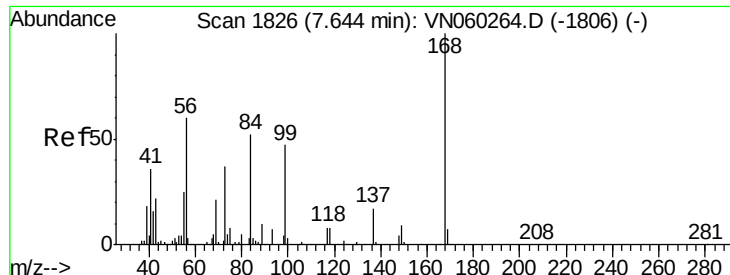
Data File : VN060447.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

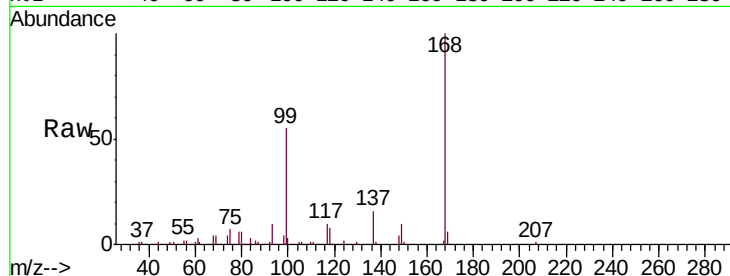
TP-7-SA

Tgt Ion:168 Resp: 192509

Ion Ratio Lower Upper

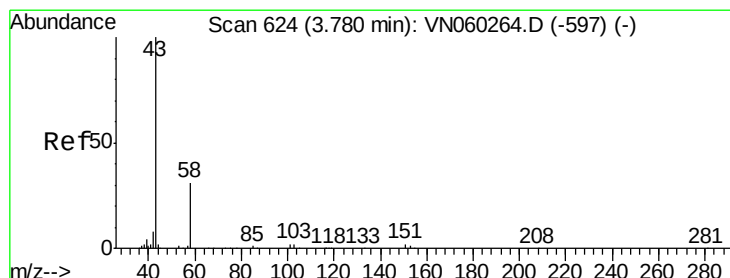
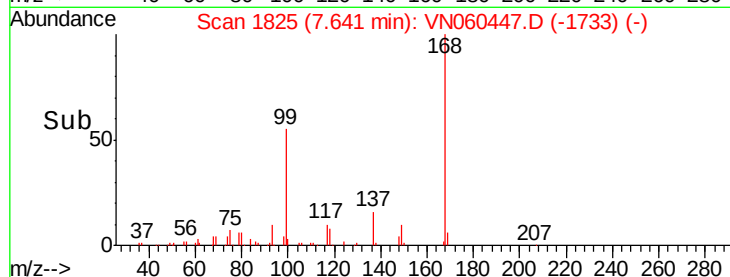
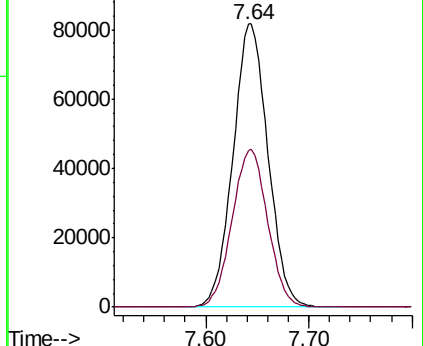
168 100

99 55.2 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: 6.271 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060447.D

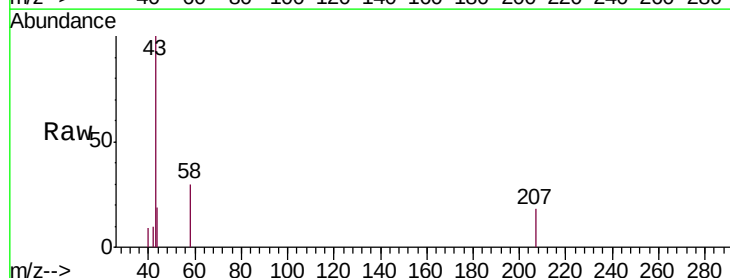
Acq: 11 Mar 2020 14:04

Tgt Ion: 43 Resp: 5002

Ion Ratio Lower Upper

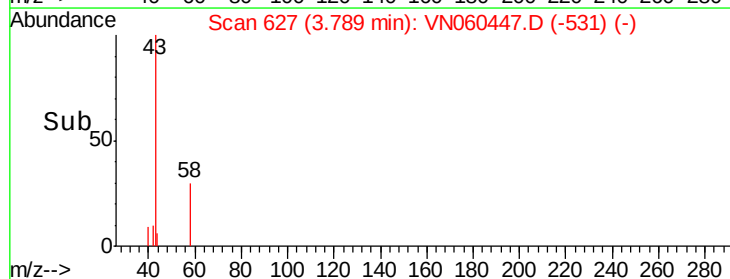
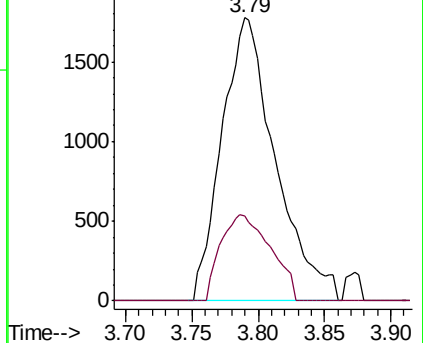
43 100

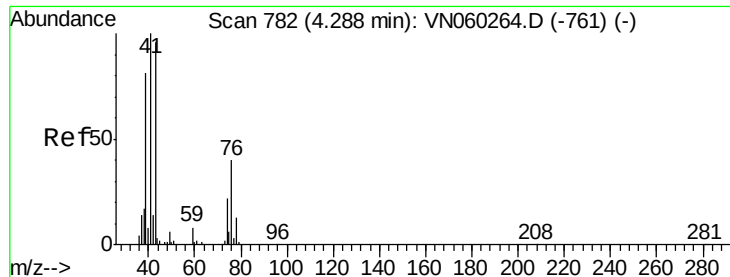
58 29.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

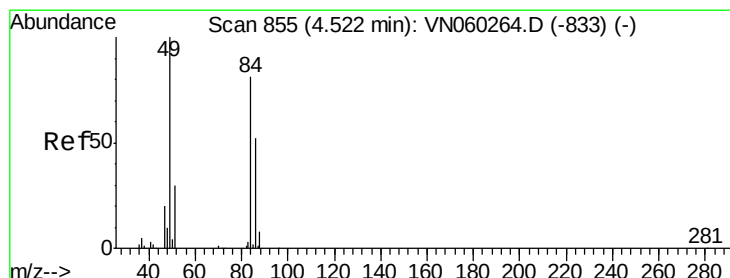
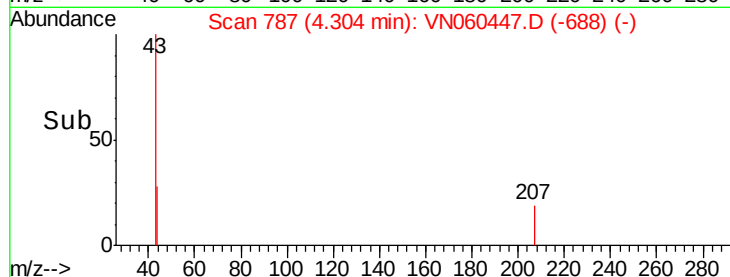
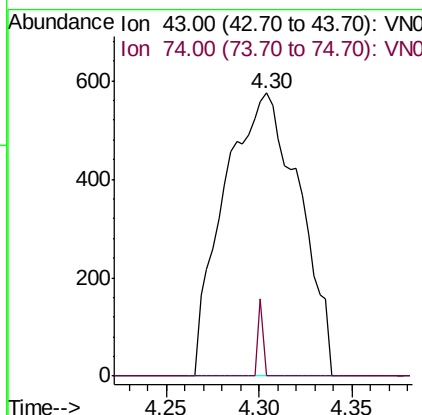
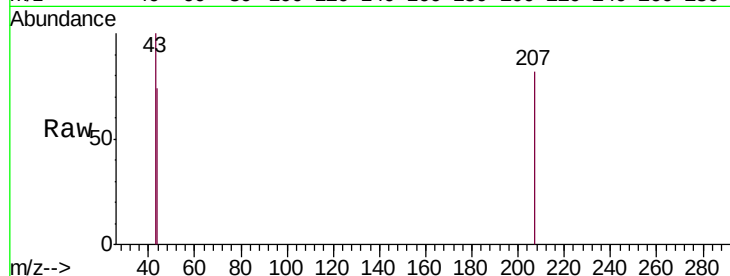




#18
Methyl Acetate
Concen: 0.608 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060447.D
Acq: 11 Mar 2020 14:04

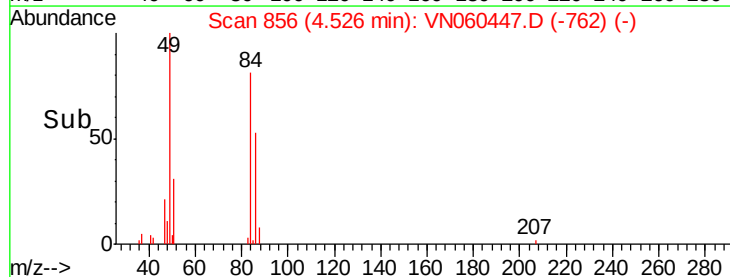
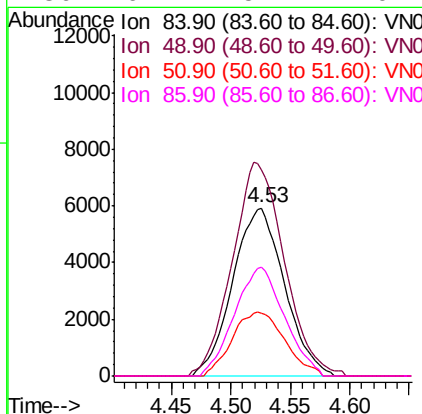
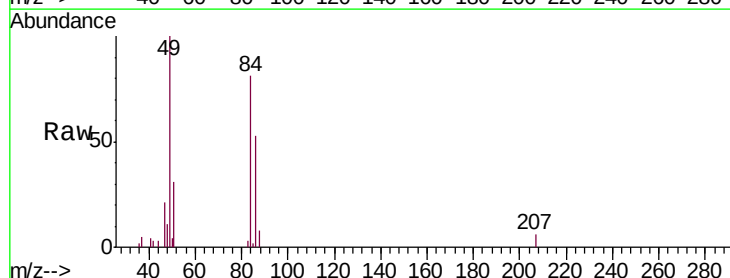
Instrument :
MSVOA_N
ClientSampleId :
TP-7-SA

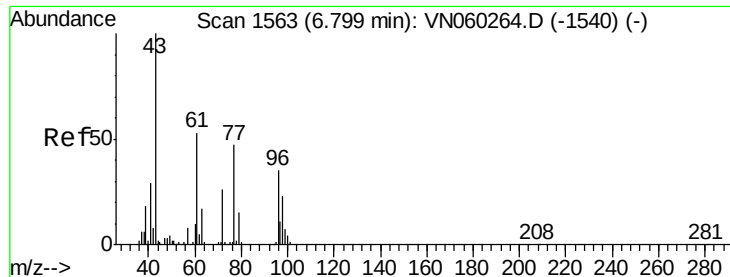
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
74 1.9 18.8 28.2#



#20
Methylene Chloride
Concen: 8.147 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060447.D
Acq: 11 Mar 2020 14:04

Tgt Ion: 84 Resp: 17846
Ion Ratio Lower Upper
84 100
49 122.7 99.3 148.9
51 37.5 30.1 45.1
86 64.7 51.1 76.7





#25

2-Butanone

Concen: 0.456 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

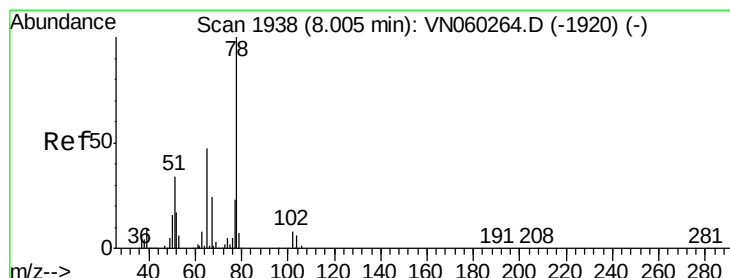
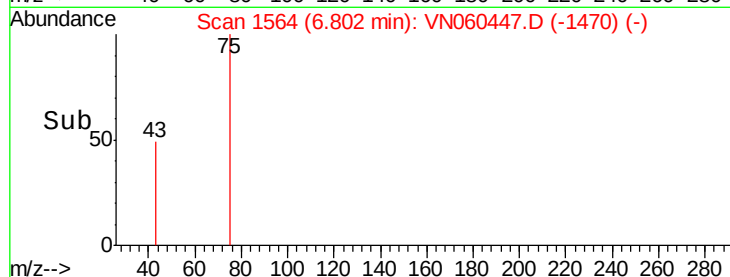
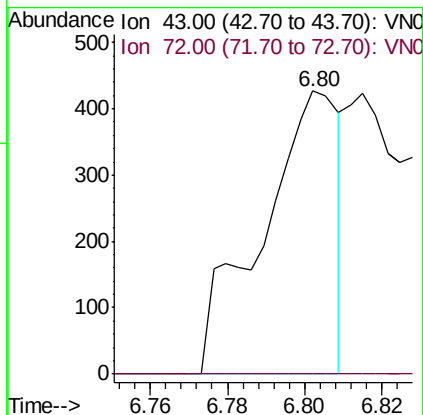
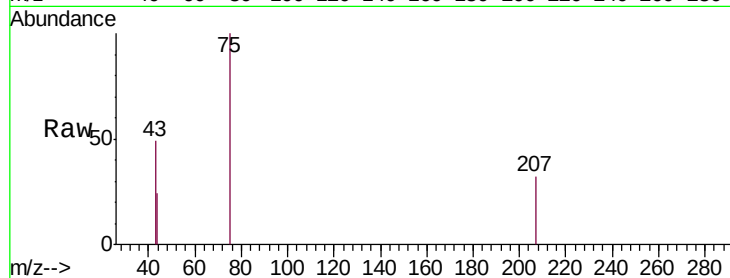
TP-7-SA

Tgt Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#33

1,2-Dichloroethane-d4

Concen: 50.007 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060447.D

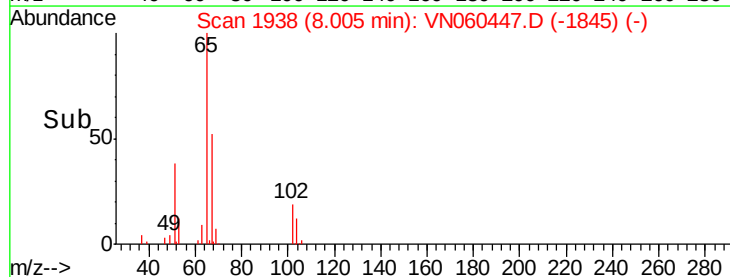
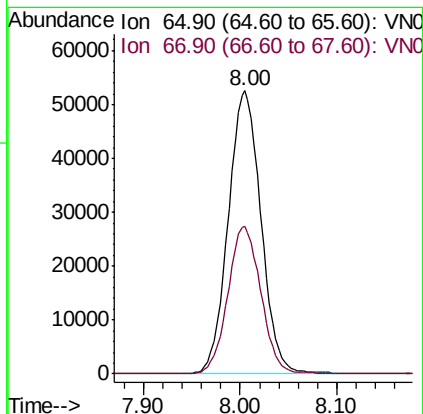
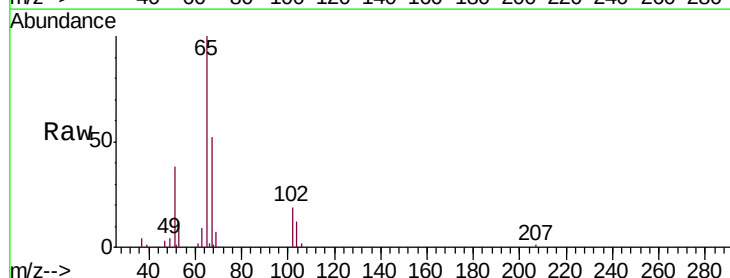
Acq: 11 Mar 2020 14:04

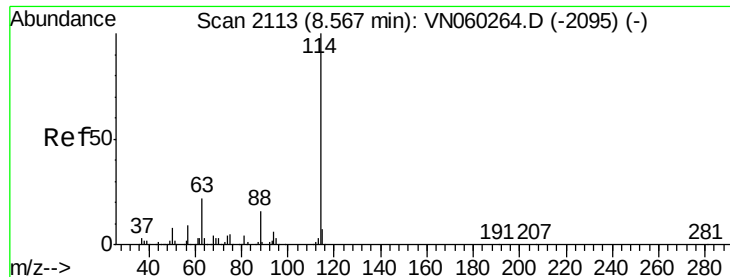
Tgt Ion: 65 Resp: 123513

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.8

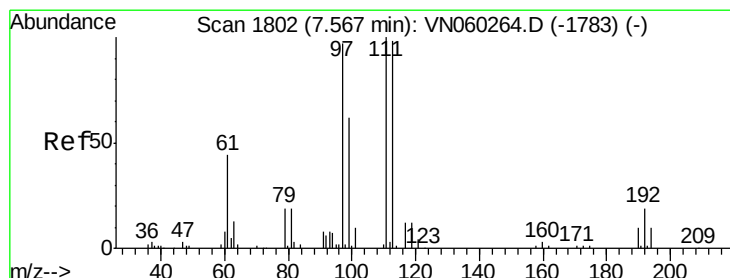
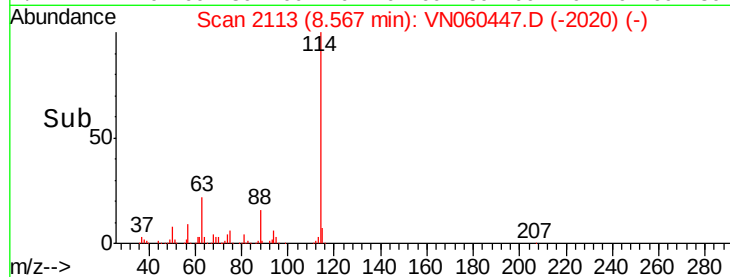
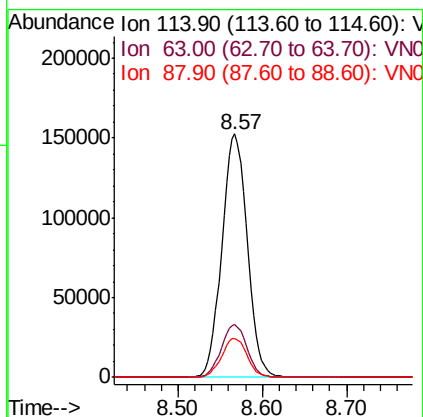
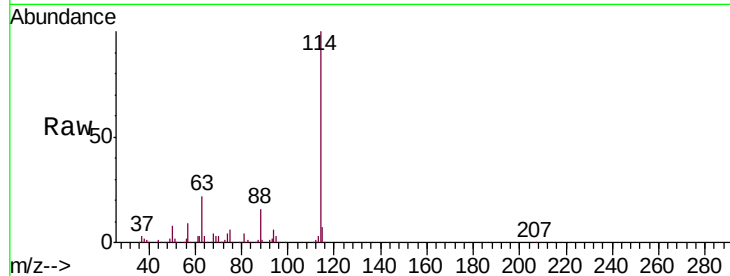




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060447.D
 Acq: 11 Mar 2020 14:04

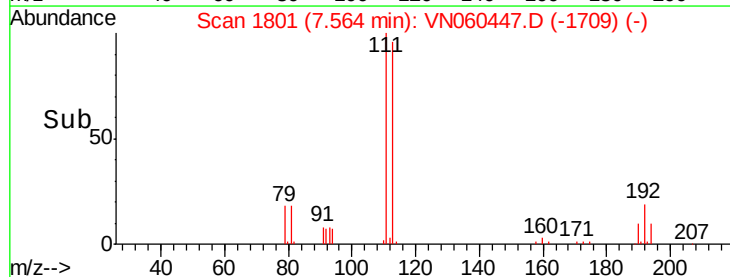
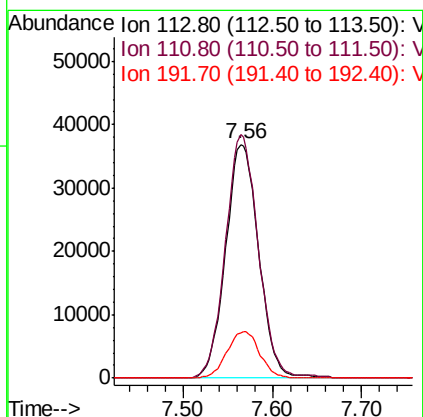
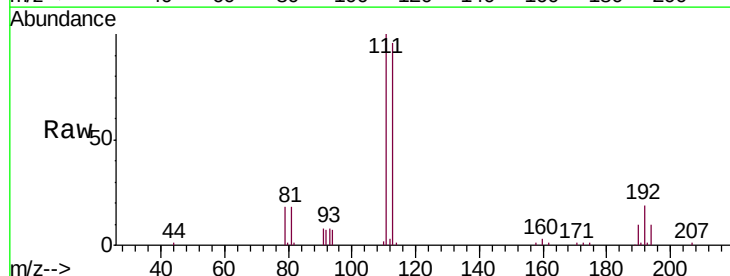
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7-SA

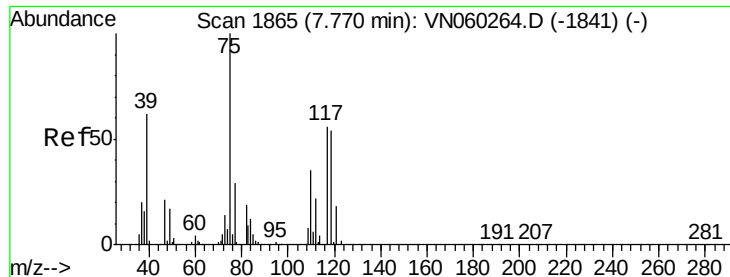
Tgt Ion:	114	Resp:	318319
Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	15.9	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 64.132 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060447.D
 Acq: 11 Mar 2020 14:04

Tgt Ion:	113	Resp:	94757
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	19.6	16.2	24.2





#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

TP-7-SA

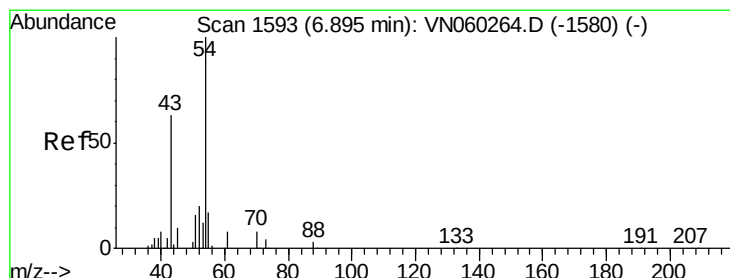
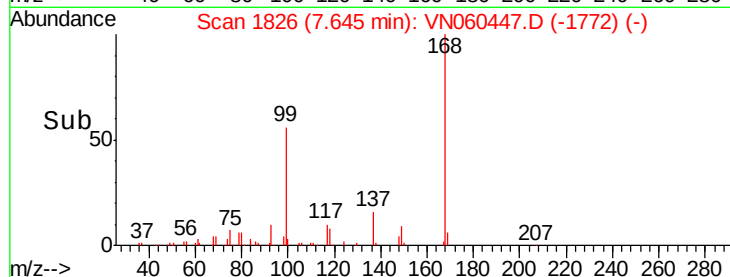
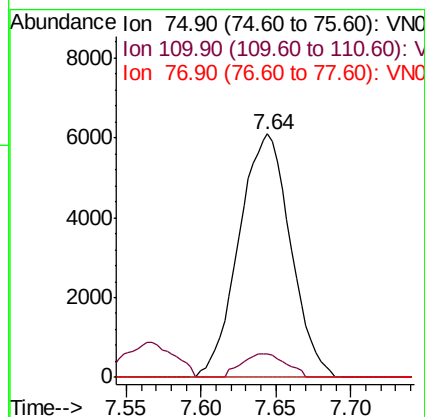
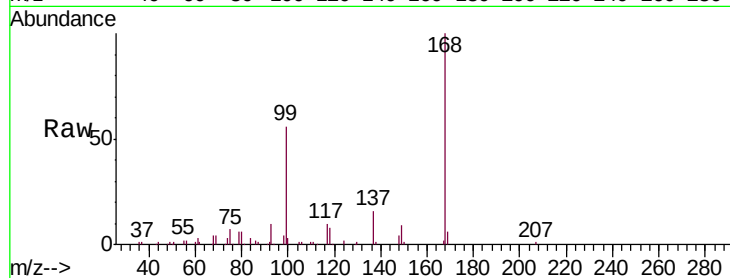
Tgt Ion: 75 Resp: 14622

Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.205 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

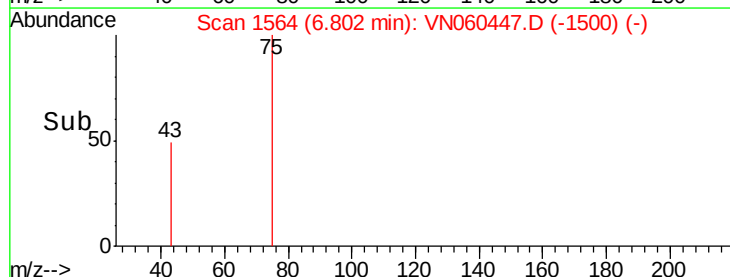
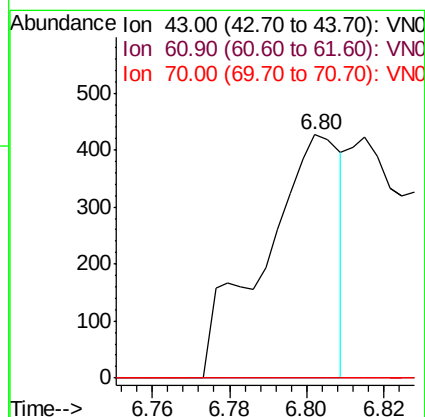
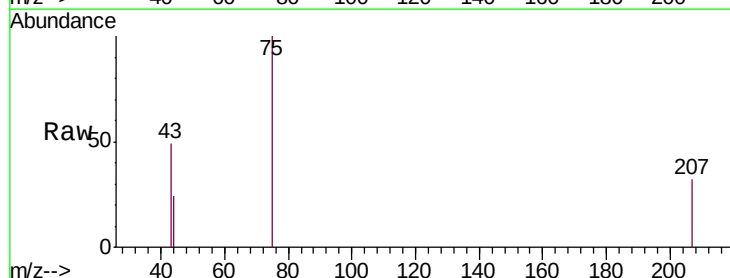
Tgt Ion: 43 Resp: 588

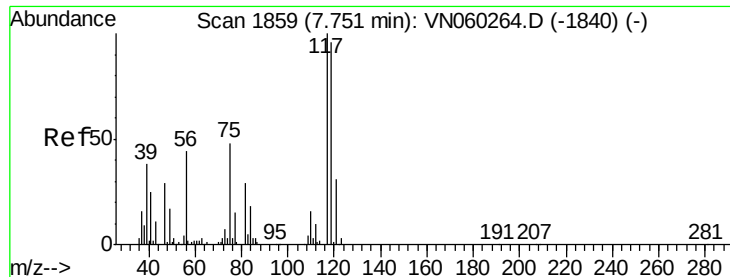
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.288 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

TP-7-SA

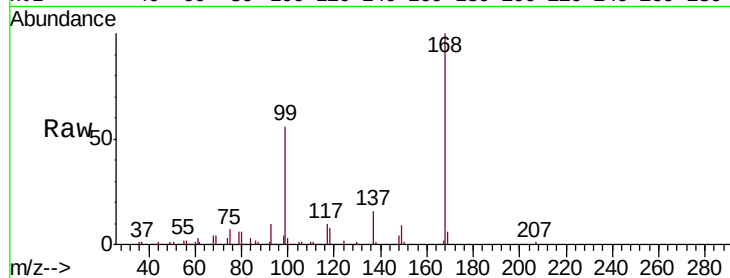
Tgt Ion:117 Resp: 18573

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

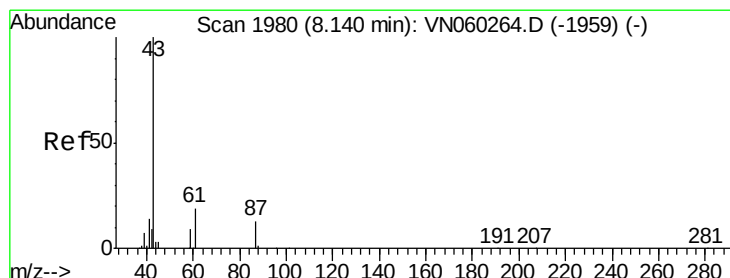
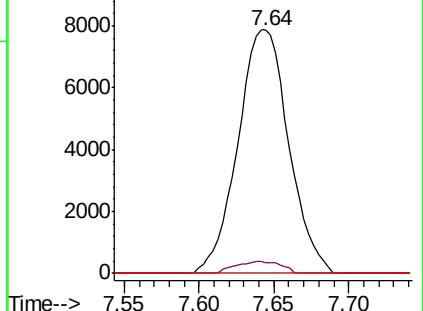
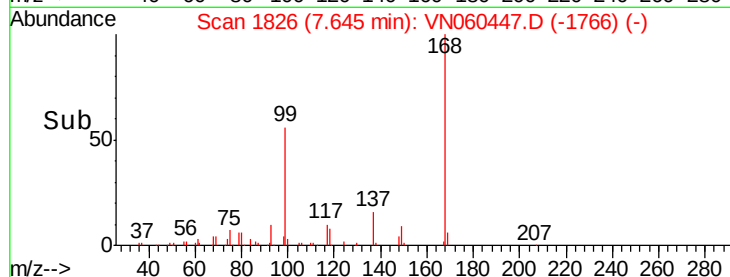
121 0.0 24.5 36.7#



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: 10.885 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

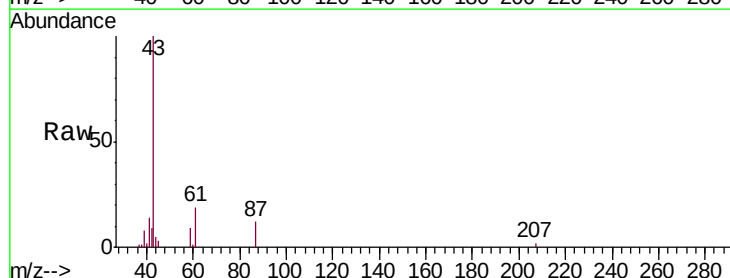
Tgt Ion: 43 Resp: 54738

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

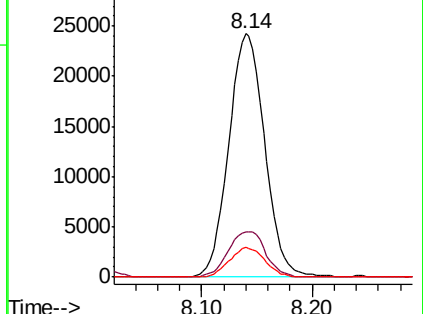
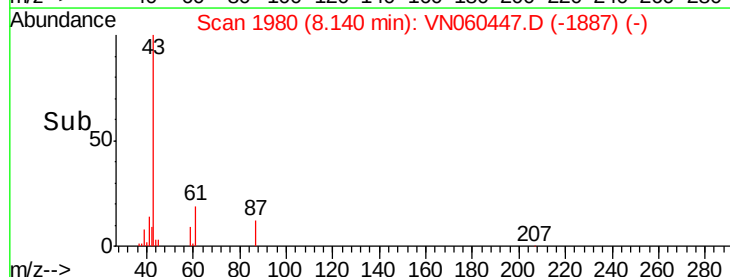
87 11.9 10.6 16.0

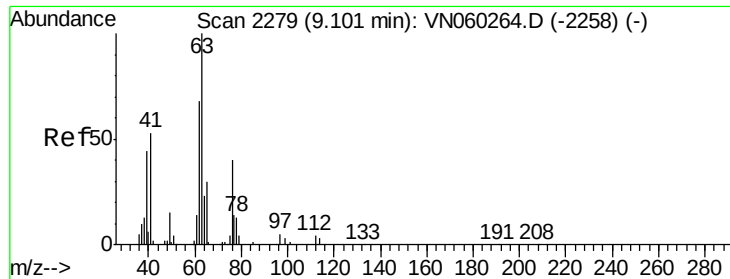


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

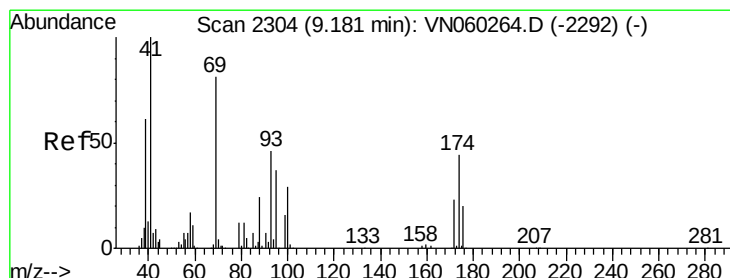
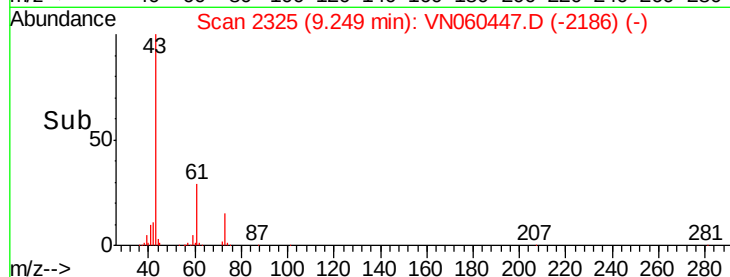
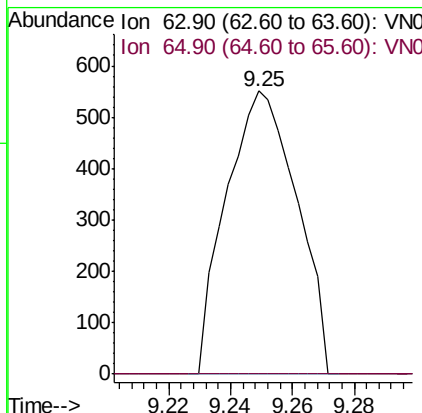
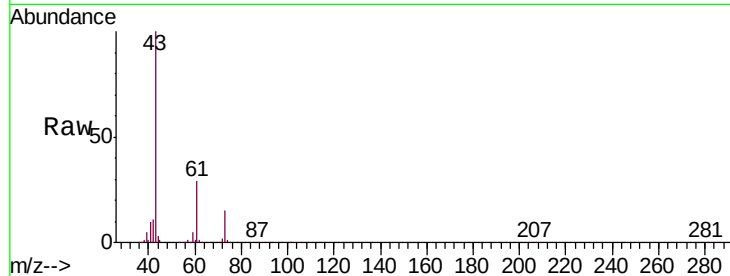




#45
 1,2-Dichloropropane
 Concen: 0.378 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060447.D
 Acq: 11 Mar 2020 14:04

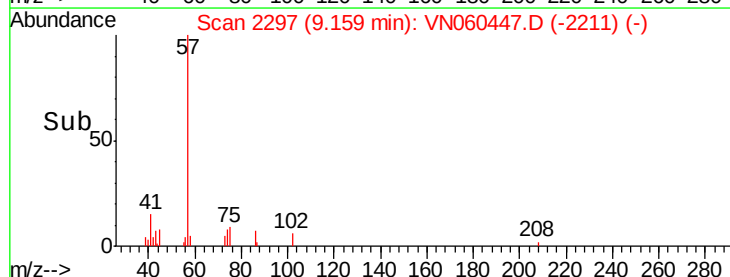
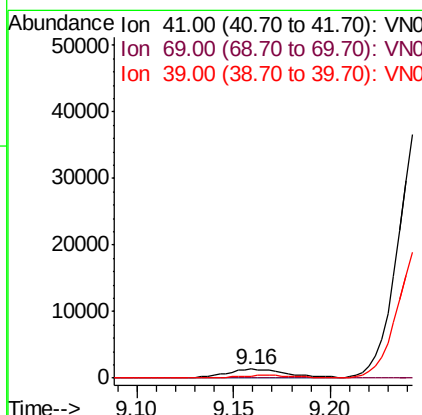
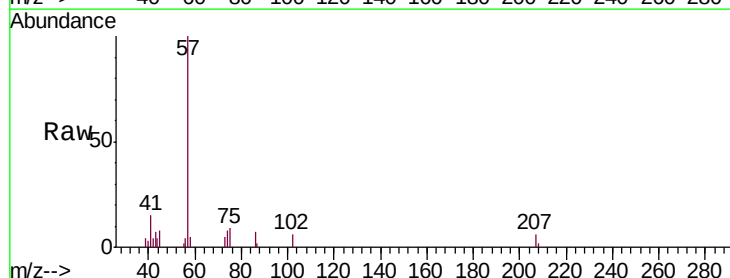
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7-SA

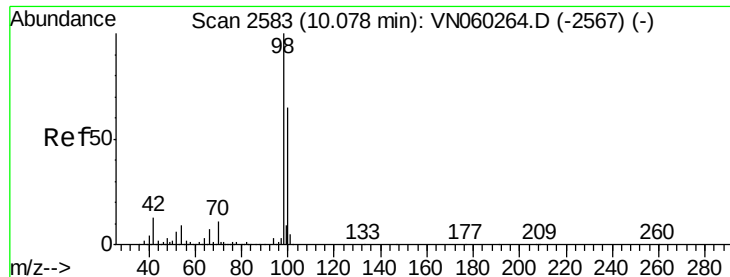
Tgt Ion: 63 Resp: 872
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.277 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060447.D
 Acq: 11 Mar 2020 14:04

Tgt Ion: 41 Resp: 2929
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.833 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

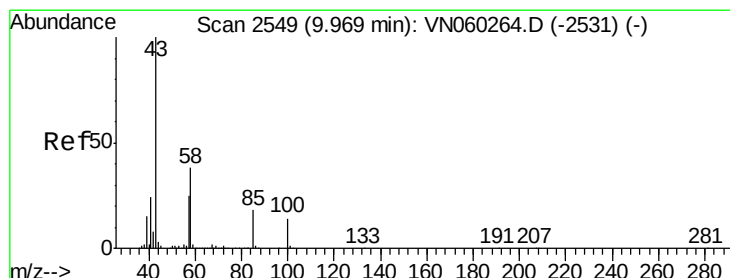
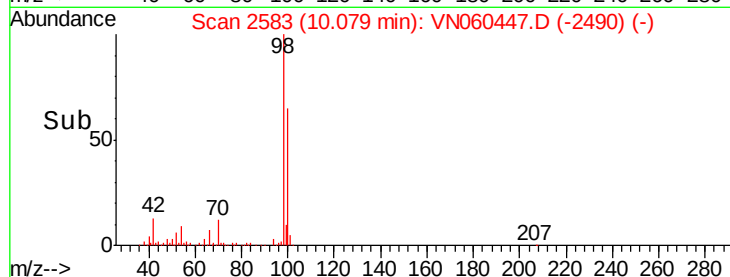
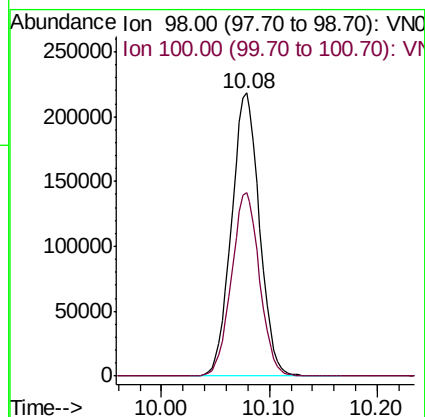
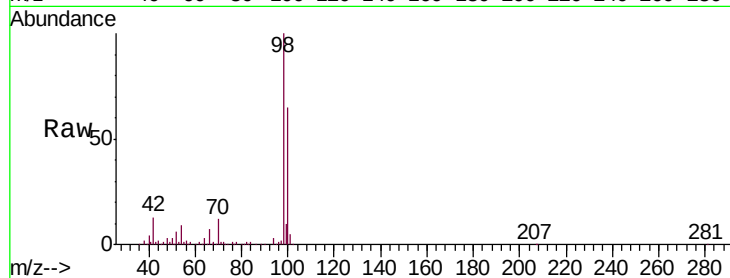
TP-7-SA

Tgt Ion: 98 Resp: 395087

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.318 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060447.D

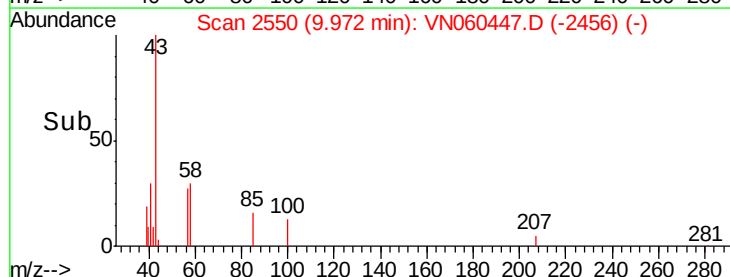
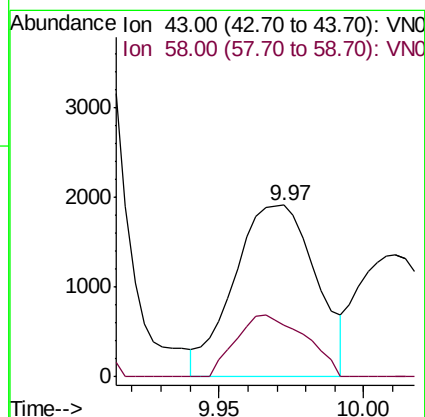
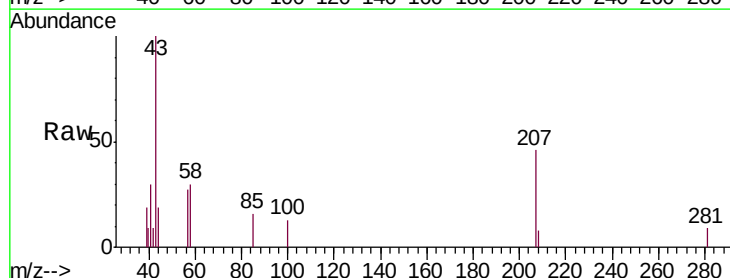
Acq: 11 Mar 2020 14:04

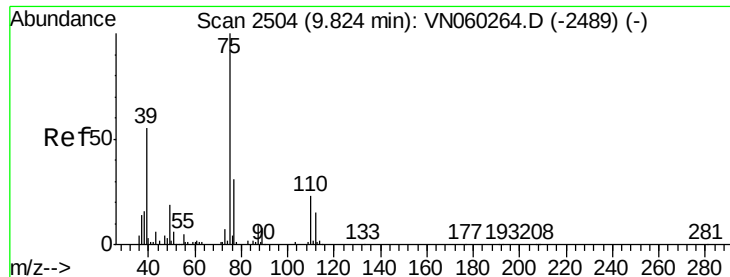
Tgt Ion: 43 Resp: 3757

Ion Ratio Lower Upper

43 100

58 30.7 30.9 46.3#





#54

cis-1,3-Dichloropropene

Concen: 5.884 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

TP-7-SA

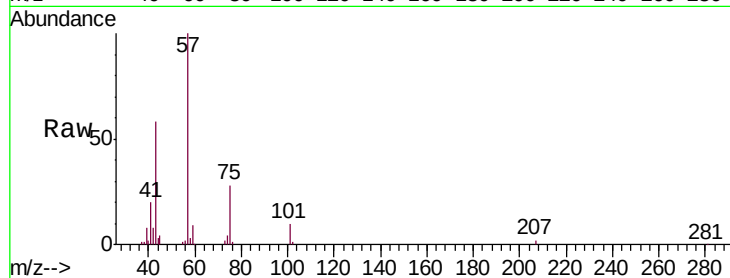
Tgt Ion: 75 Resp: 22762

Ion Ratio Lower Upper

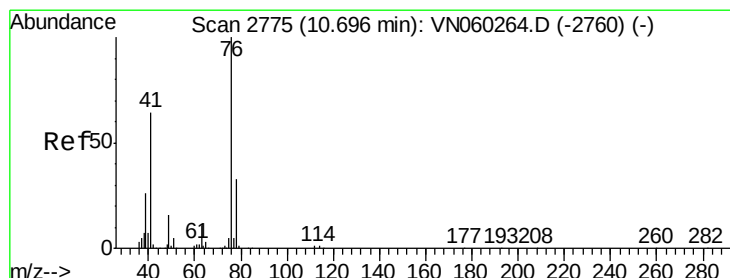
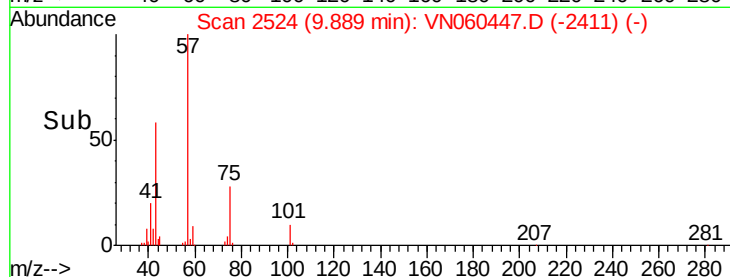
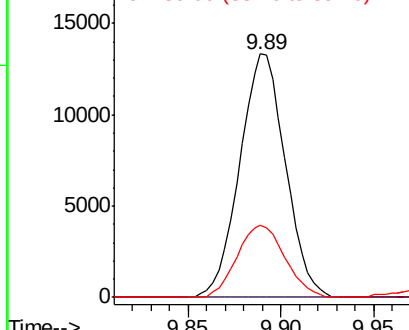
75 100

77 0.0 24.8 37.2#

39 29.5 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: 1.036 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060447.D

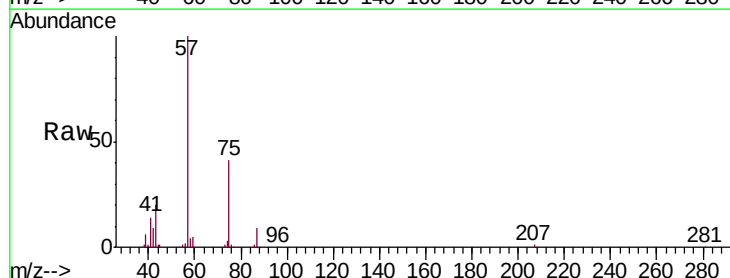
Acq: 11 Mar 2020 14:04

Tgt Ion: 76 Resp: 3769

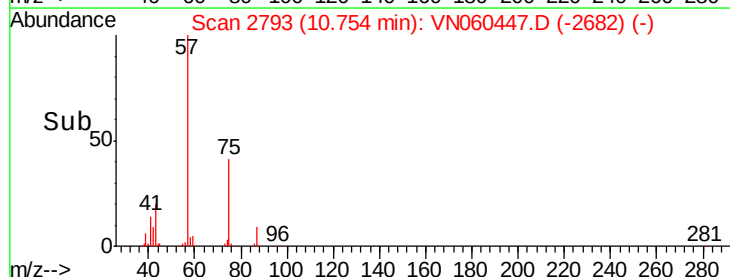
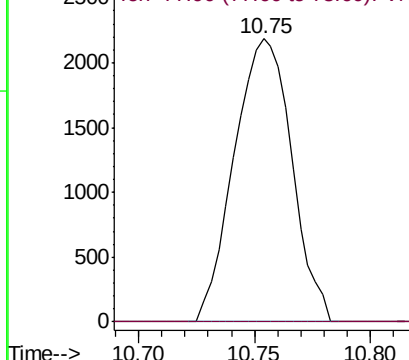
Ion Ratio Lower Upper

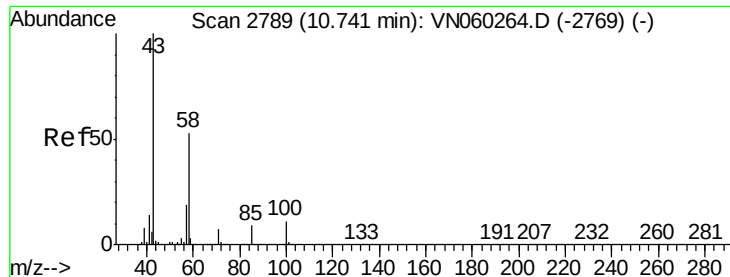
76 100

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

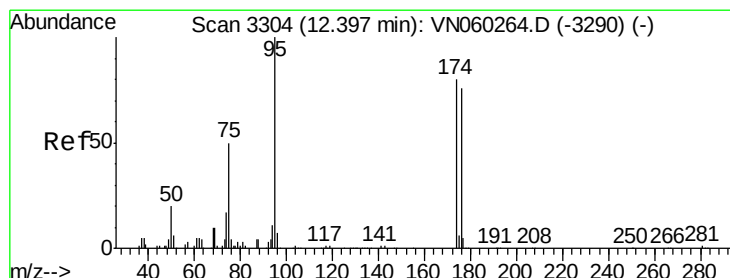
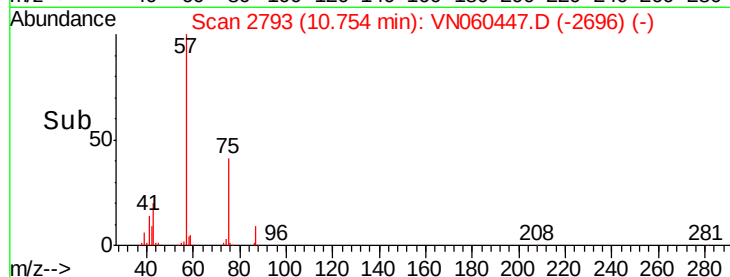
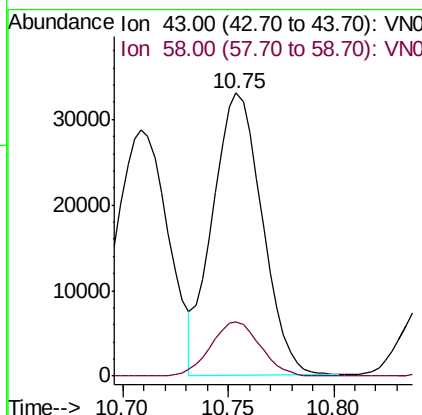
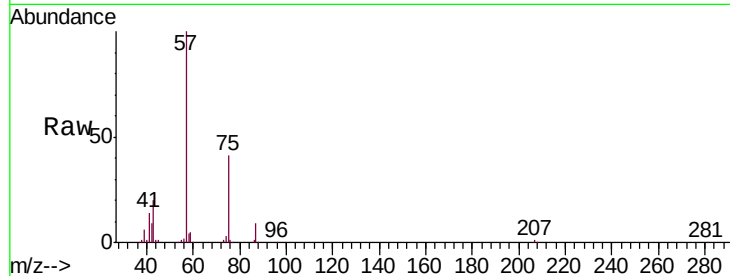




#59
2-Hexanone
Concen: 25.684 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060447.D
Acq: 11 Mar 2020 14:04

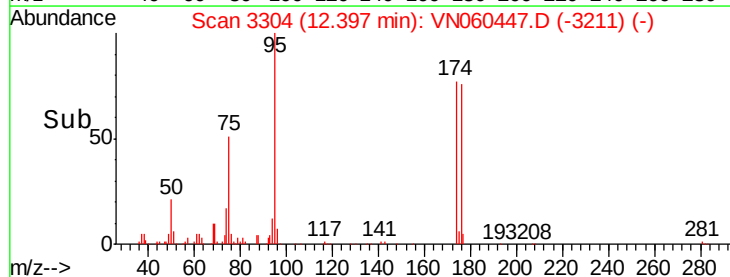
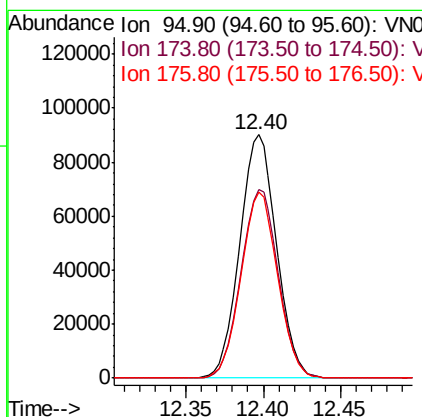
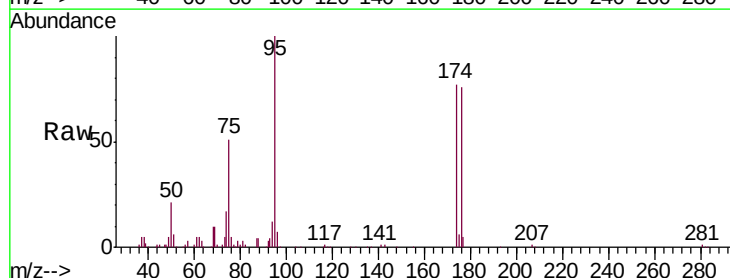
Instrument :
MSVOA_N
ClientSampleId :
TP-7-SA

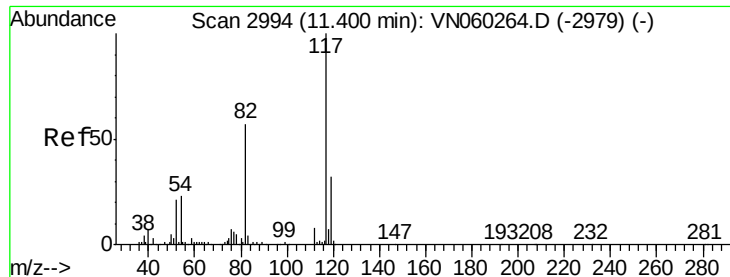
Tgt Ion: 43 Resp: 53770
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.596 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060447.D
Acq: 11 Mar 2020 14:04

Tgt Ion: 95 Resp: 149094
Ion Ratio Lower Upper
95 100
174 78.7 0.0 159.2
176 76.2 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: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

TP-7-SA

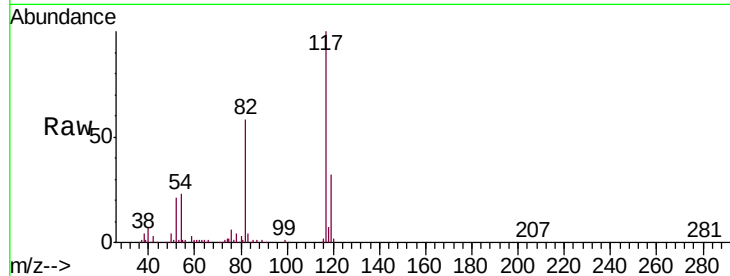
Tgt Ion:117 Resp: 301439

Ion Ratio Lower Upper

117 100

82 58.0 45.8 68.6

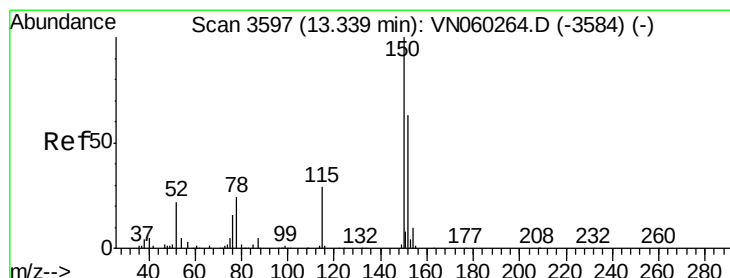
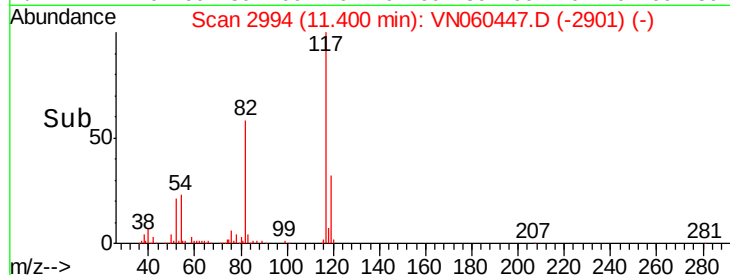
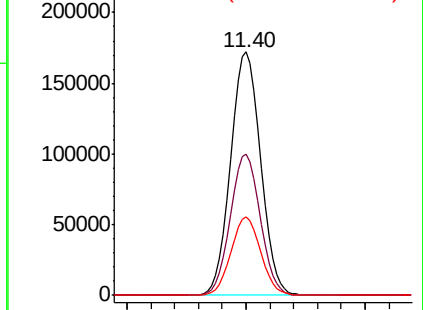
119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

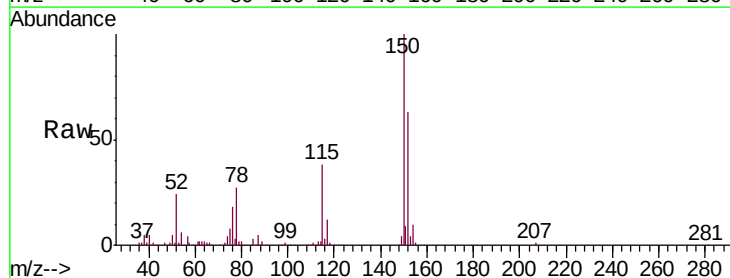
Tgt Ion:152 Resp: 141825

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

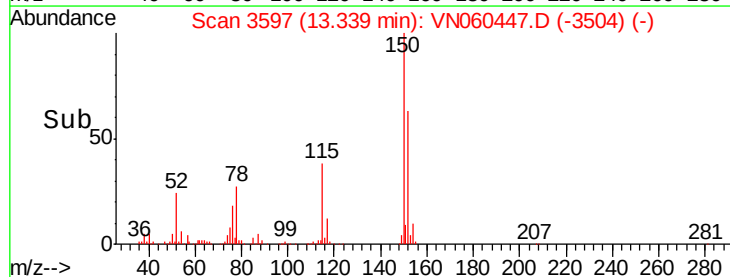
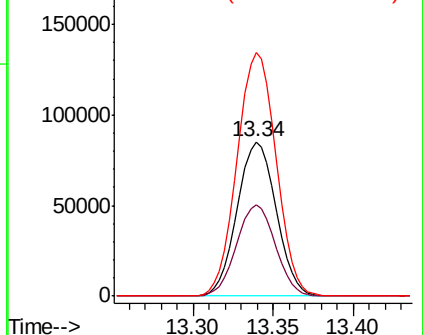
150 158.1 0.0 349.6

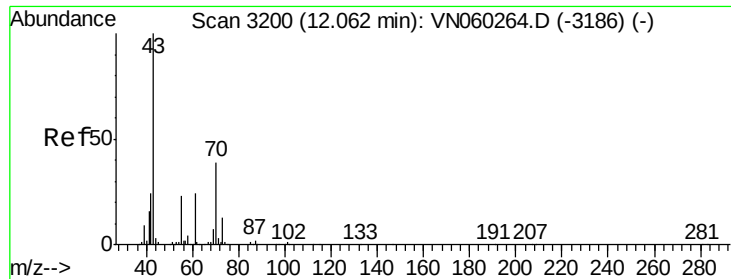


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.742 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060447.D

Acq: 11 Mar 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

TP-7-SA

Tgt Ion: 43 Resp: 3408

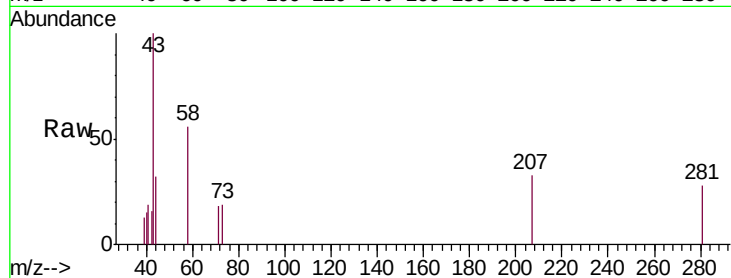
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

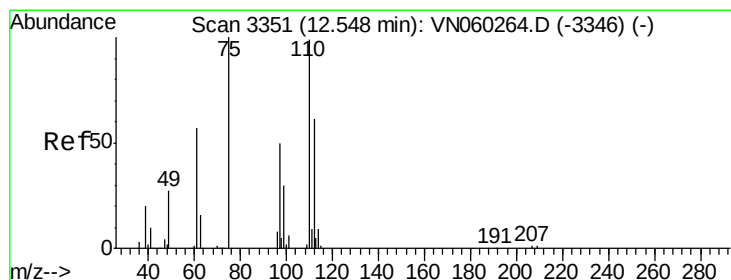
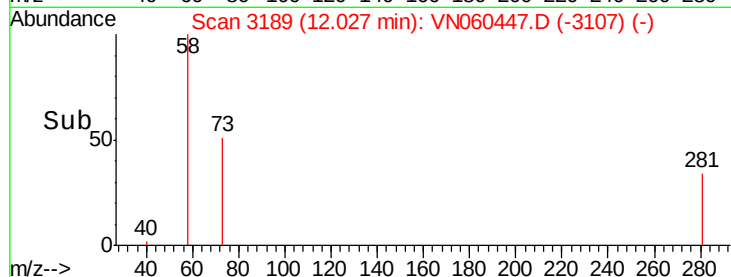
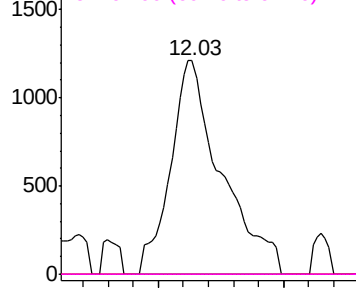


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.201 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060447.D

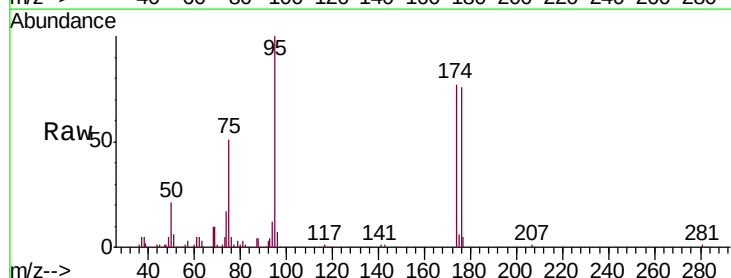
Acq: 11 Mar 2020 14:04

Tgt Ion: 75 Resp: 75305

Ion Ratio Lower Upper

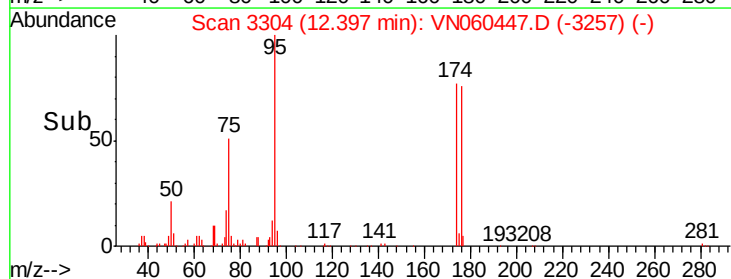
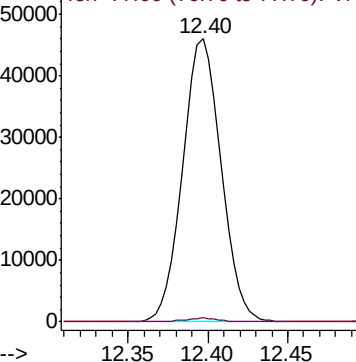
75 100

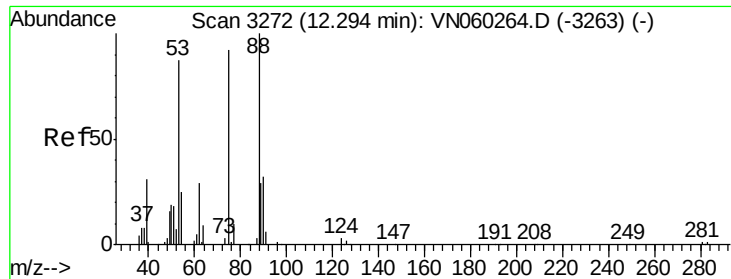
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

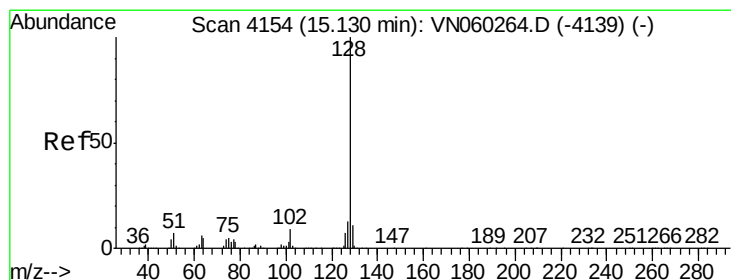
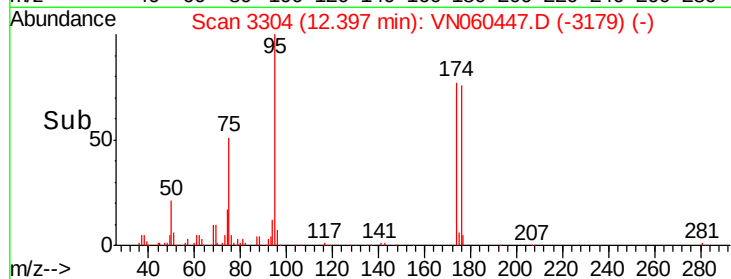
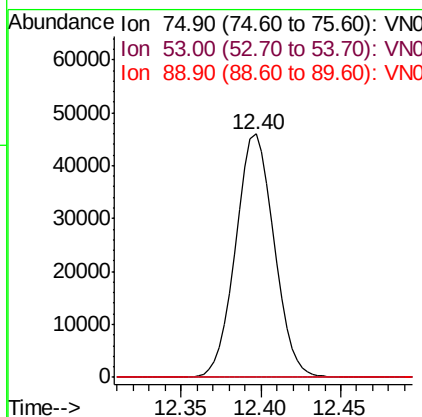
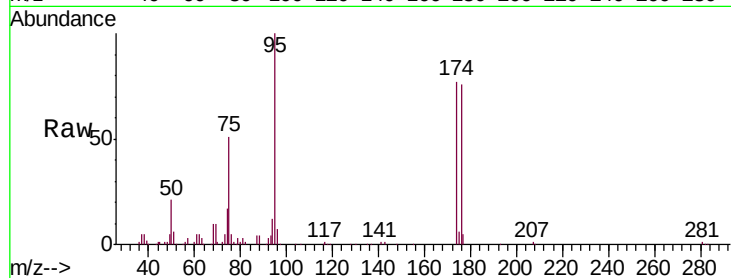




#81
trans-1,4-Dichloro-2-butene
Concen: 66.806 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060447.D
Acq: 11 Mar 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
TP-7-SA

Tgt Ion: 75 Resp: 75305
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# 4155
Delta R.T. 0.00 min
Lab File: VN060447.D
Acq: 11 Mar 2020 14:04

Tgt Ion: 128 Resp: 186
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

