

Data File : VN059954.D
Acq On : 31 Jan 2020 17:35
Operator : JC/MD
Sample : PB126487ZHE#05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#05

Quant Time: Feb 03 01:22:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	285695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	104961	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.57	113	88566	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	347122	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.40	95	122671	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

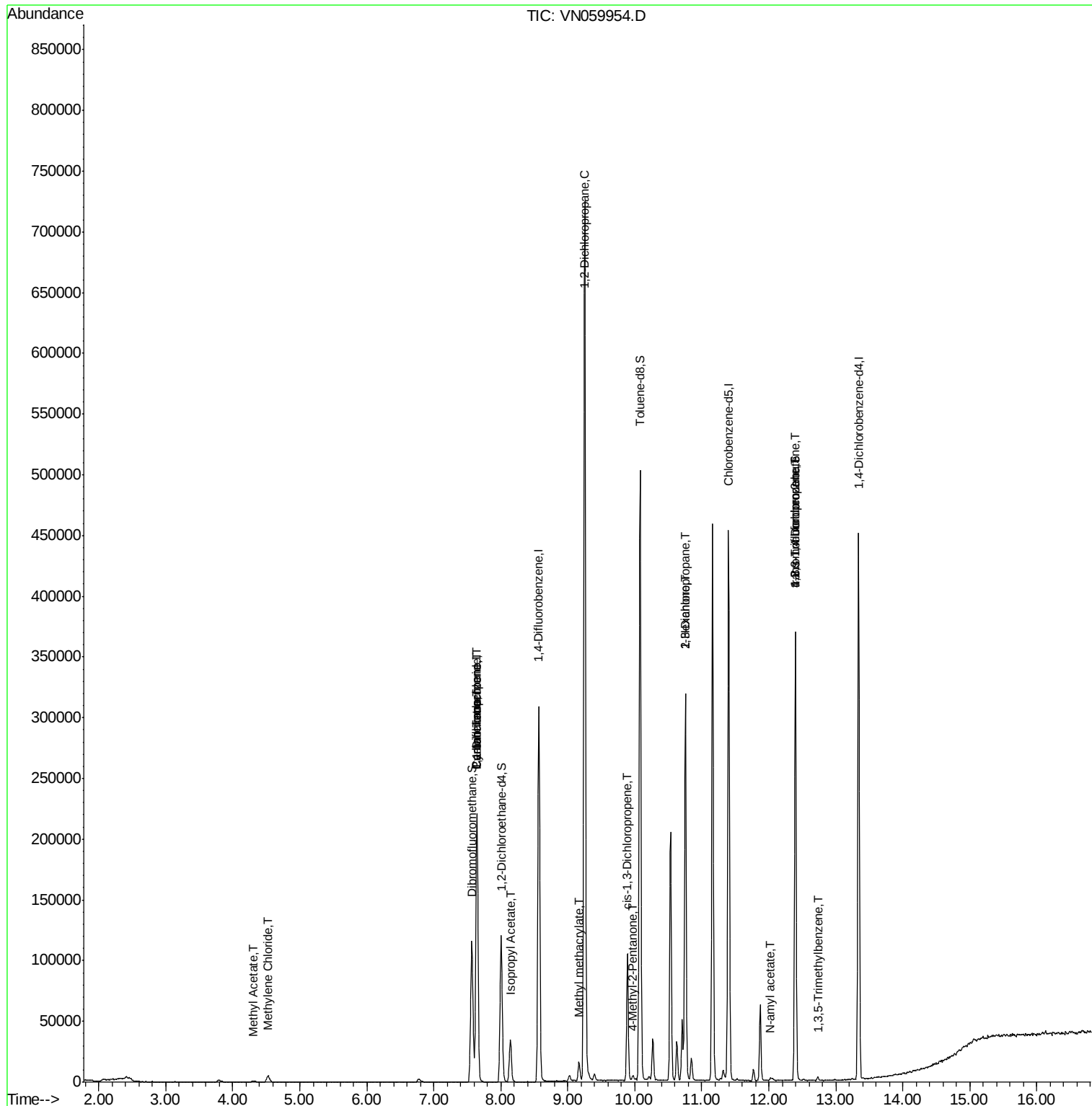
						Qvalue
16) Acetone	3.79	43	3710	Below Cal		91
18) Methyl Acetate	4.29	43	1472	0.609	ug/l #	63
20) Methylene Chloride	4.53	84	4290	1.022	ug/l #	85
31) Cyclohexane	7.65	56	3706	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12900	5.185	ug/l #	51
38) Carbon Tetrachloride	7.64	117	17442	6.445	ug/l #	16
43) Isopropyl Acetate	8.14	43	41537	10.349	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	846	0.461	ug/l #	44
48) Methyl methacrylate	9.17	41	2160	1.203	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2680	1.155	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	19661	6.412	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3430	1.164	ug/l #	42
59) 2-Hexanone	10.75	43	44880	26.257	ug/l #	55
74) N-amyl acetate	12.03	43	2047	0.581	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62750	30.120	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2052	0.269	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	62750	64.683	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.39	75	30	Below Cal	#	6

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Instrument :

MSVOA_N

ClientSampleId :

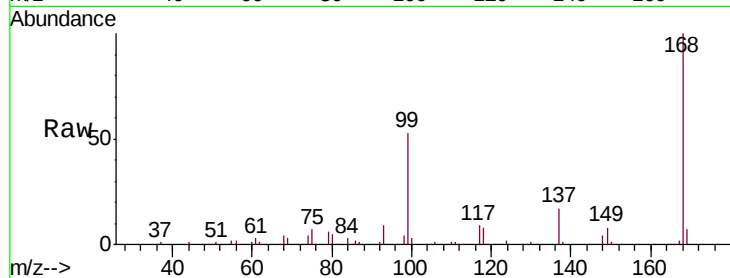
PB126487ZHE#05

Tgt Ion:168 Resp: 186452

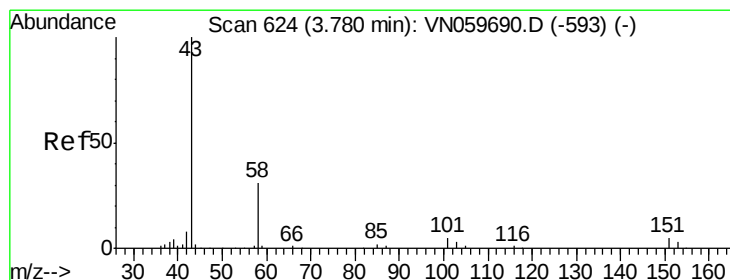
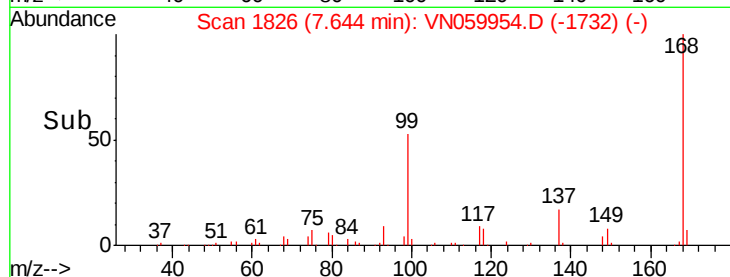
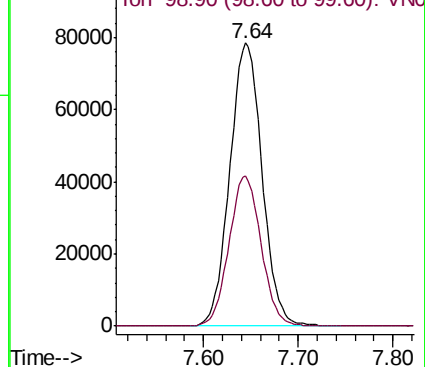
Ion Ratio Lower Upper

168 100

99 53.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059954.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059954.D

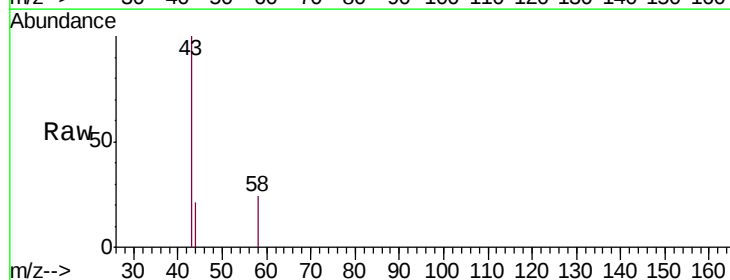
Acq: 31 Jan 2020 17:35

Tgt Ion: 43 Resp: 3710

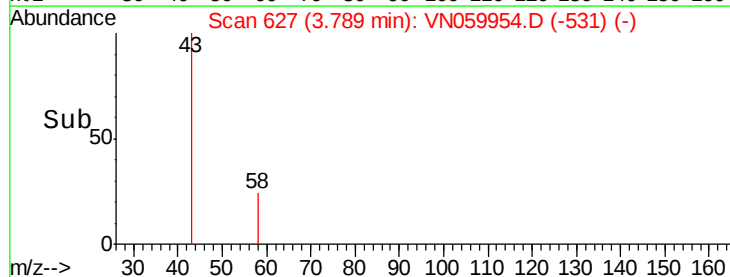
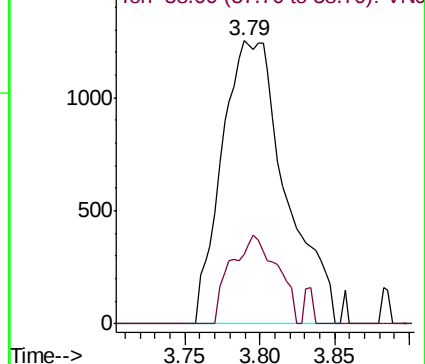
Ion Ratio Lower Upper

43 100

58 24.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059954.D (-531) (-)

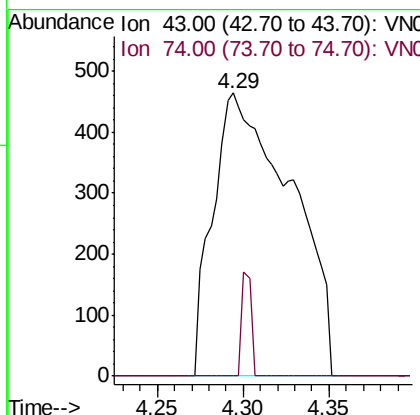
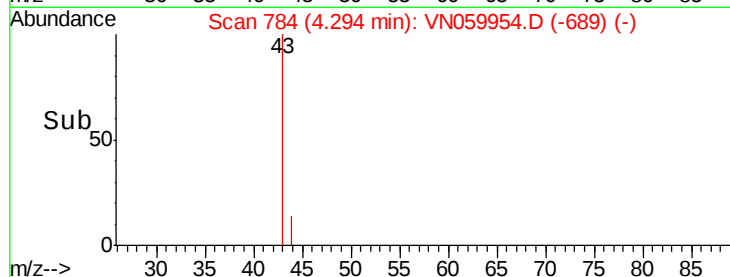
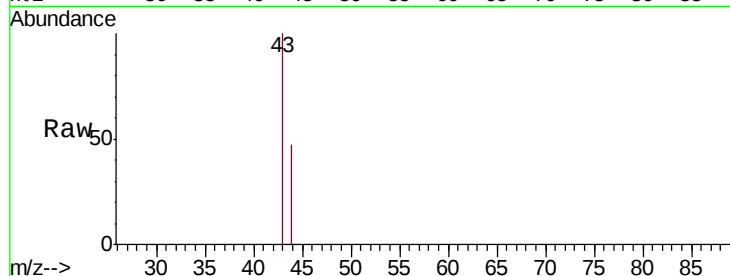




#18
Methyl Acetate
Concen: 0.609 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN059954.D
Acq: 31 Jan 2020 17:35

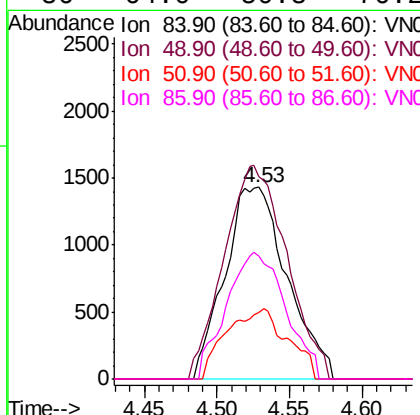
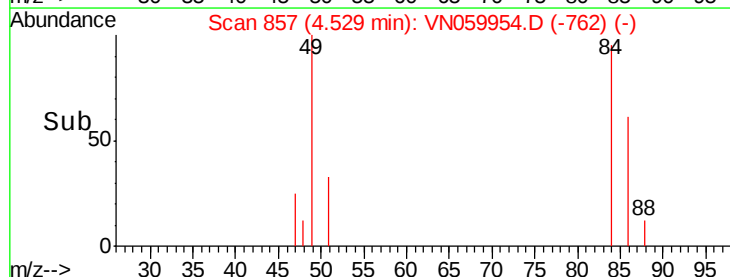
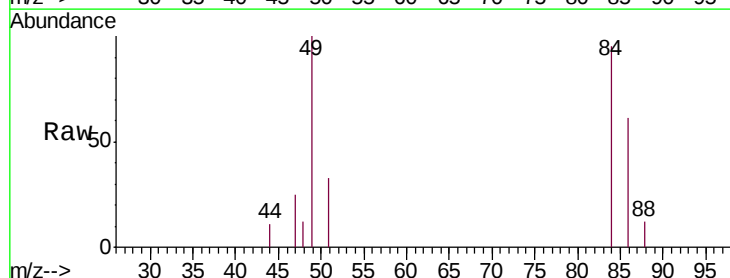
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#05

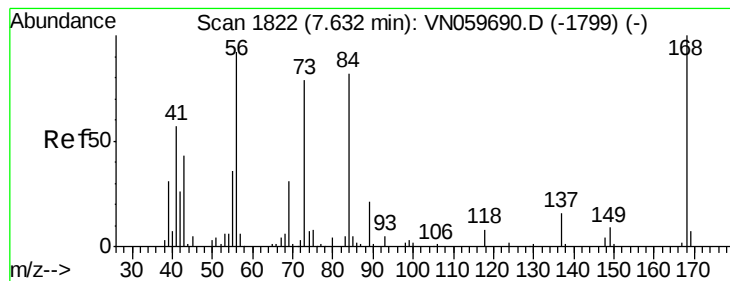
Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
74 4.3 17.5 26.3#



#20
Methylene Chloride
Concen: 1.022 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059954.D
Acq: 31 Jan 2020 17:35

Tgt Ion: 84 Resp: 4290
Ion Ratio Lower Upper
84 100
49 105.7 106.6 160.0#
51 34.6 31.9 47.9
86 64.0 50.8 76.2





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#05

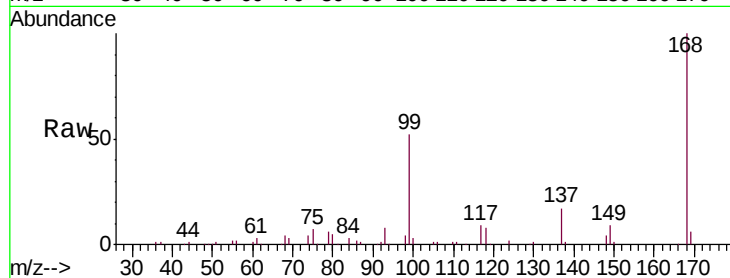
Tgt Ion: 56 Resp: 3706

Ion Ratio Lower Upper

56 100

69 158.1 26.5 39.7#

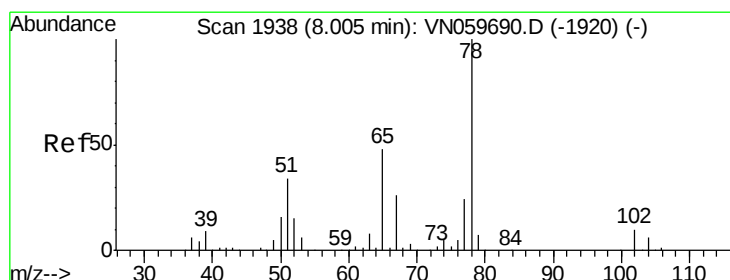
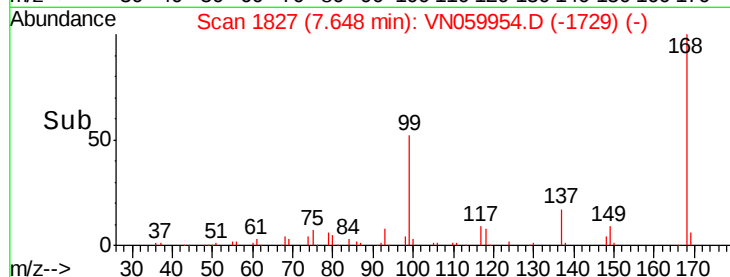
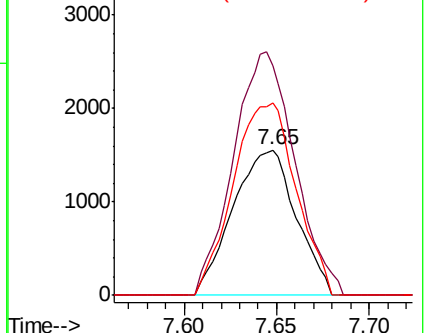
84 132.1 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059954.D (-1799) (-)

Ion 69.00 (68.70 to 69.70): VN059954.D (-1799) (-)

Ion 84.00 (83.70 to 84.70): VN059954.D (-1799) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.691 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059954.D

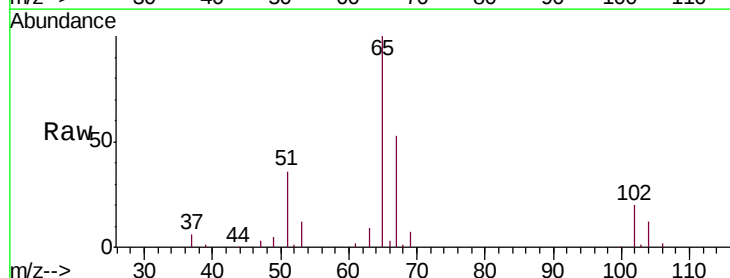
Acq: 31 Jan 2020 17:35

Tgt Ion: 65 Resp: 104961

Ion Ratio Lower Upper

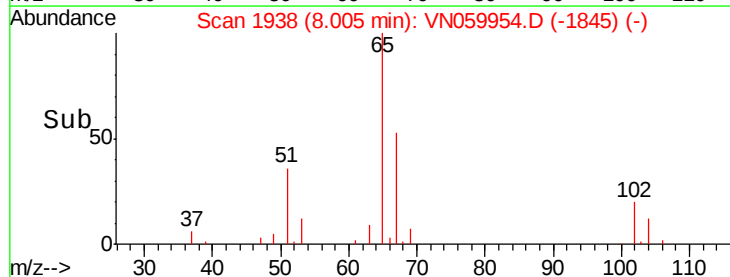
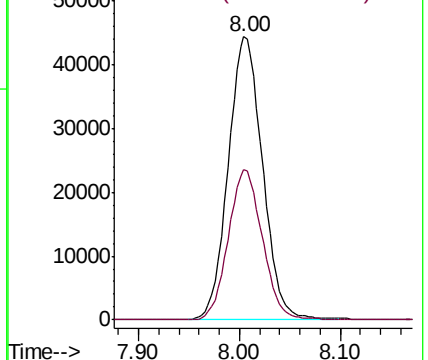
65 100

67 52.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059954.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059954.D (-1845) (-)

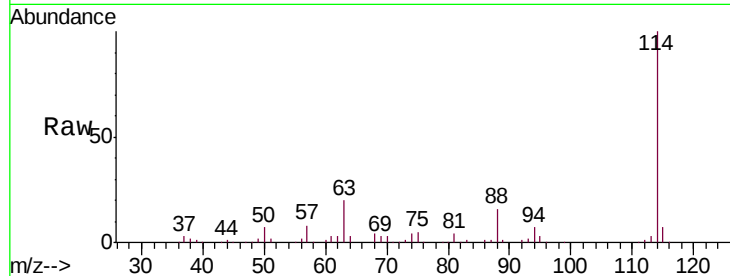




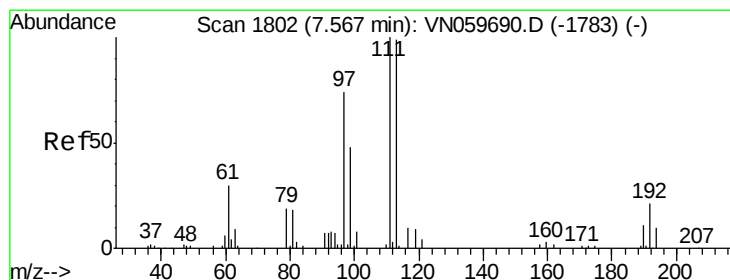
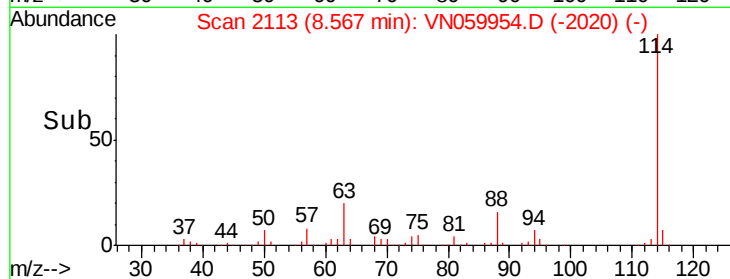
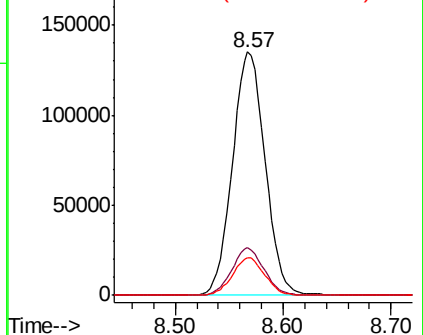
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#05

Tgt Ion:114 Resp: 285695
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.6
 88 15.6 0.0 31.4

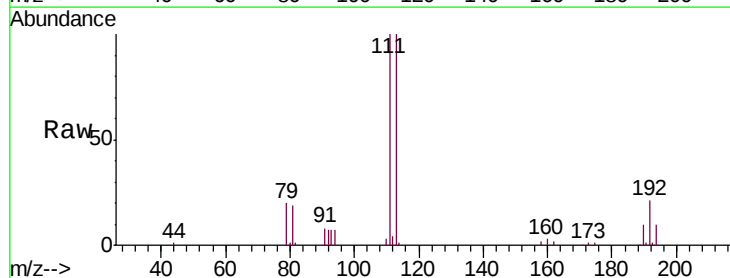


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

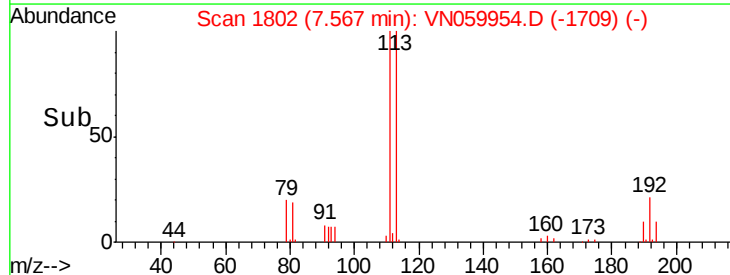
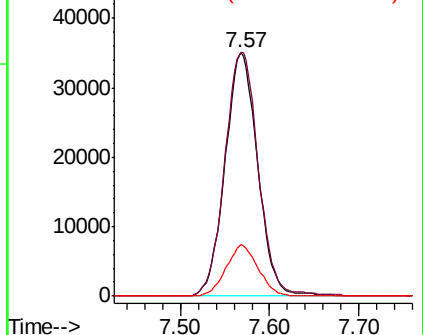


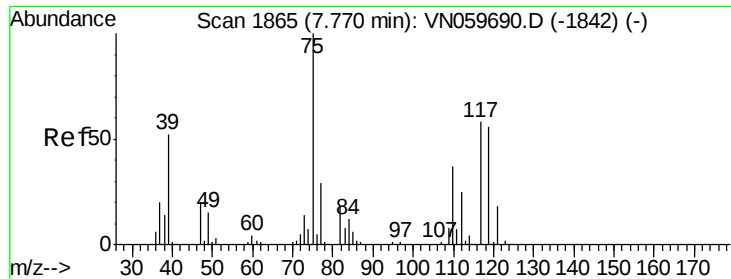
#35
 Dibromofluoromethane
 Concen: 51.984 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

Tgt Ion:113 Resp: 88566
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.5 125.3
 192 20.5 15.4 23.2



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

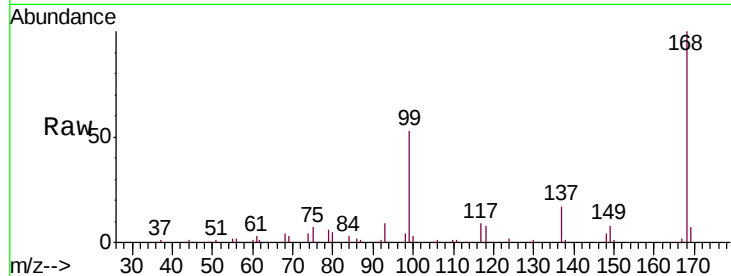




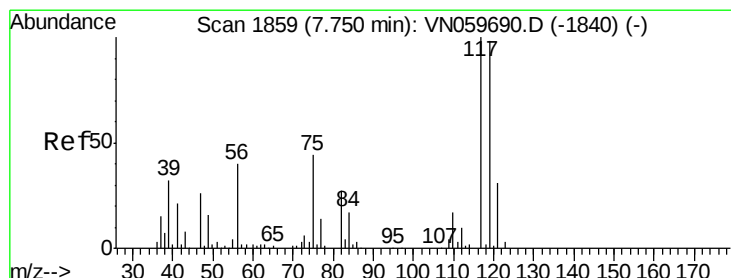
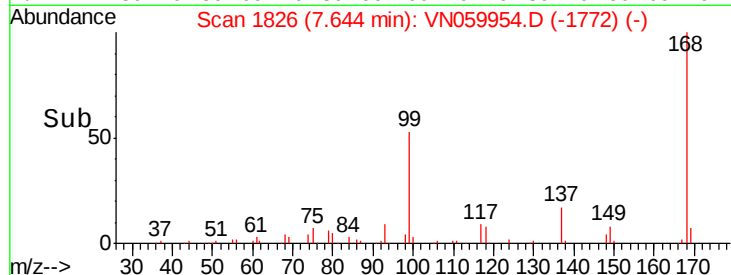
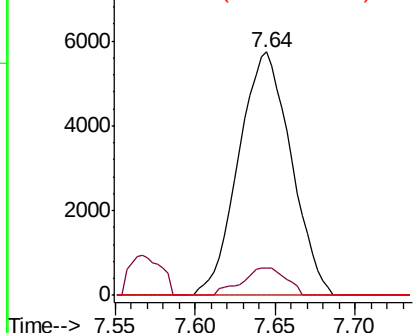
#36
 1,1-Dichloropropene
 Concen: 5.185 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.6	49.7#
77	0.0	25.1	37.7#

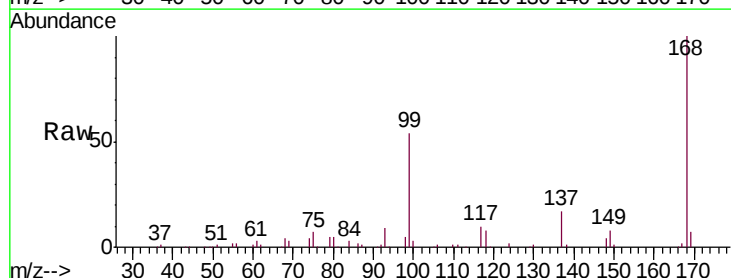


Abundance Ion 74.90 (74.60 to 75.60): VN059954.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059954.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059954.D (-1772) (-)

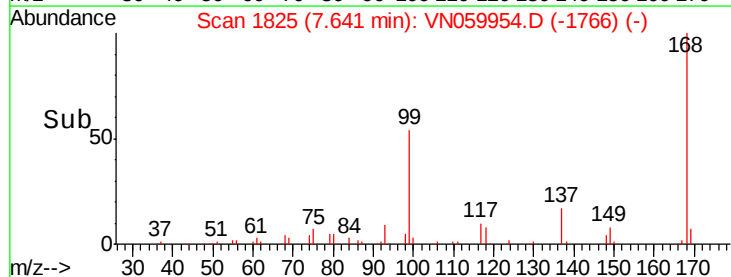
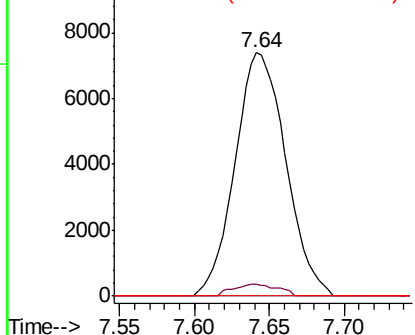


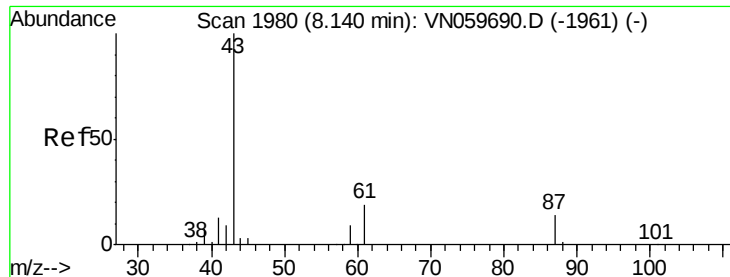
#38
 Carbon Tetrachloride
 Concen: 6.445 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059954.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059954.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059954.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 10.349 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#05

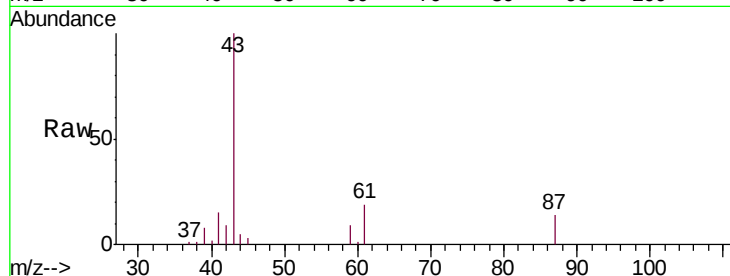
Tgt Ion: 43 Resp: 41537

Ion Ratio Lower Upper

43 100

61 19.7 20.2 30.2#

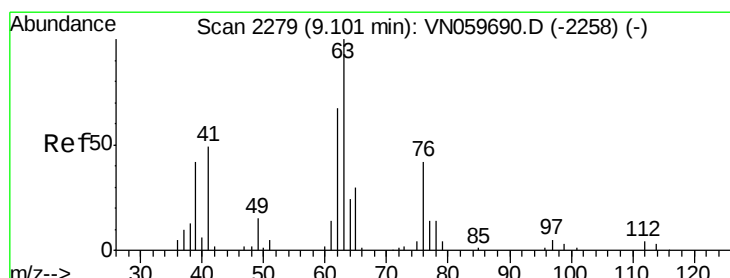
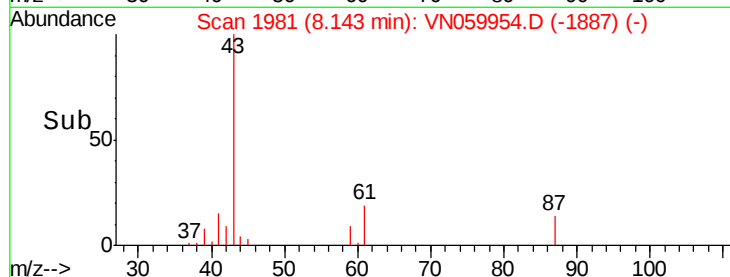
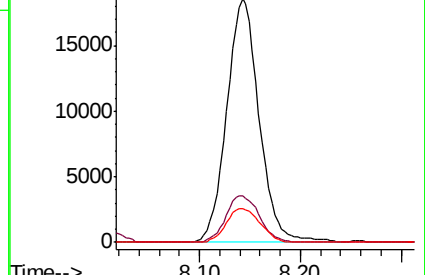
87 14.4 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059954.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059954.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059954.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.461 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059954.D

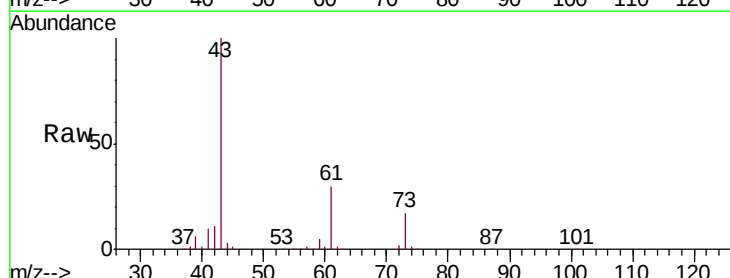
Acq: 31 Jan 2020 17:35

Tgt Ion: 63 Resp: 846

Ion Ratio Lower Upper

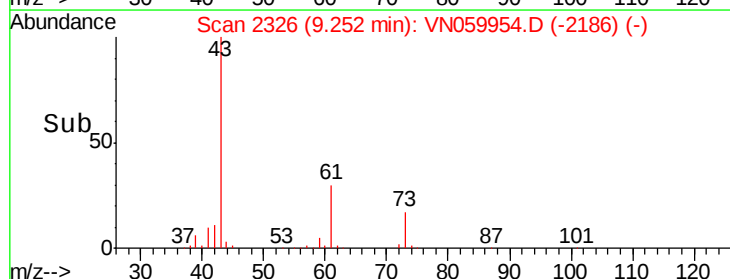
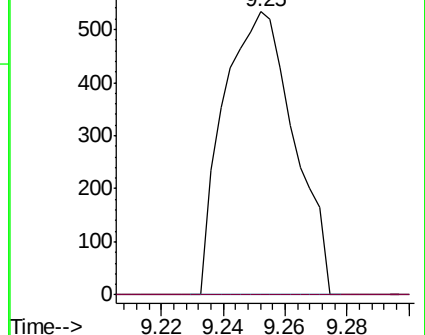
63 100

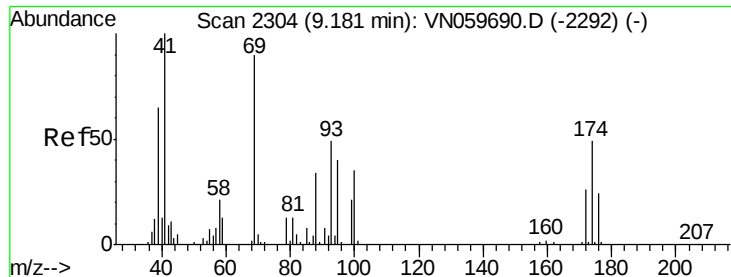
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059954.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059954.D (-2186) (-)

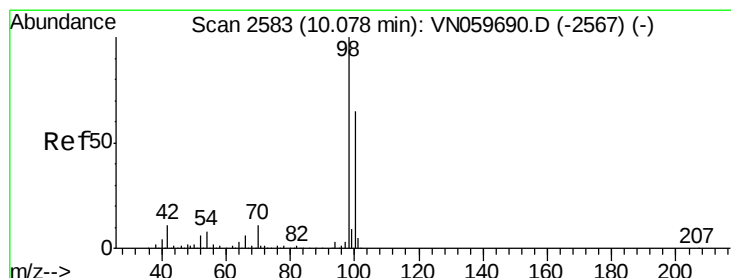
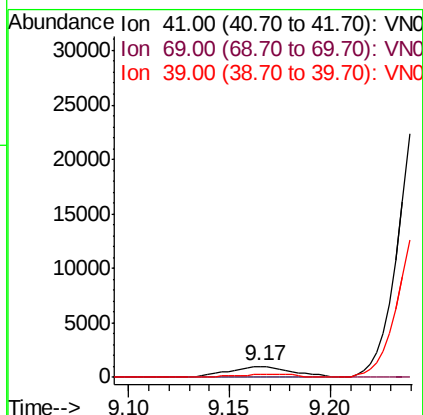
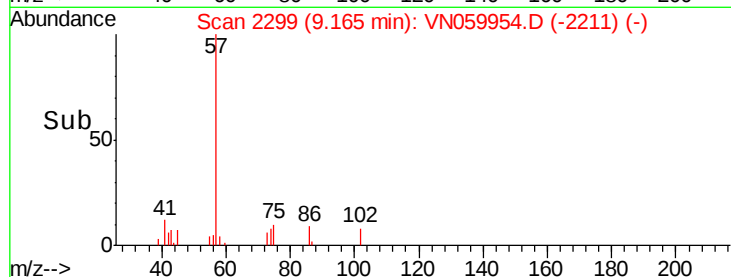
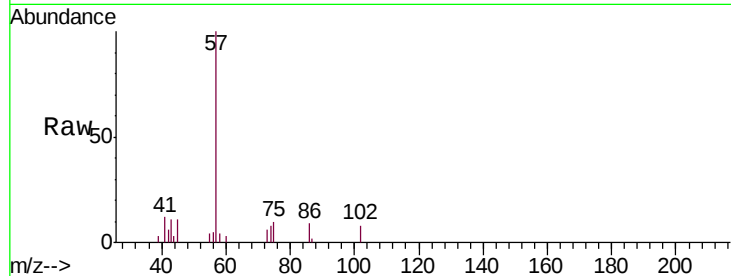




#48
Methyl methacrylate
Concen: 1.203 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059954.D
Acq: 31 Jan 2020 17:35

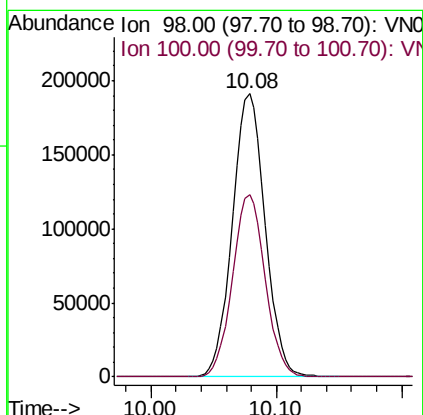
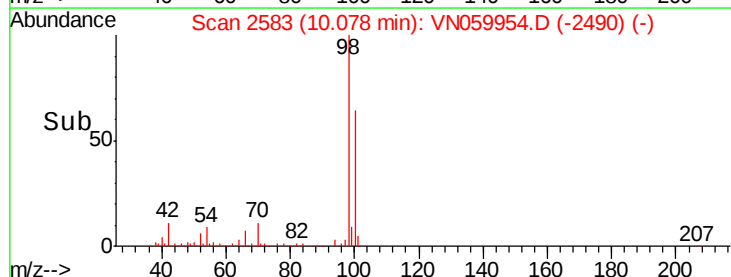
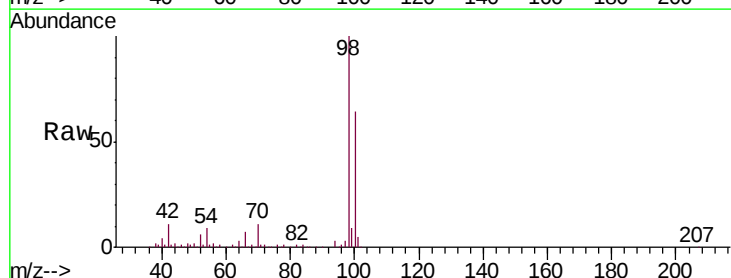
Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#05

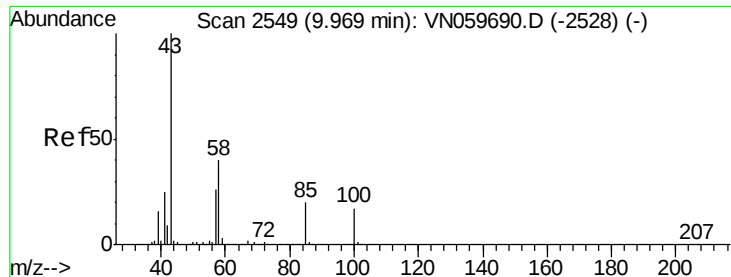
Tgt Ion: 41 Resp: 2160
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.586 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059954.D
Acq: 31 Jan 2020 17:35

Tgt Ion: 98 Resp: 347122
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

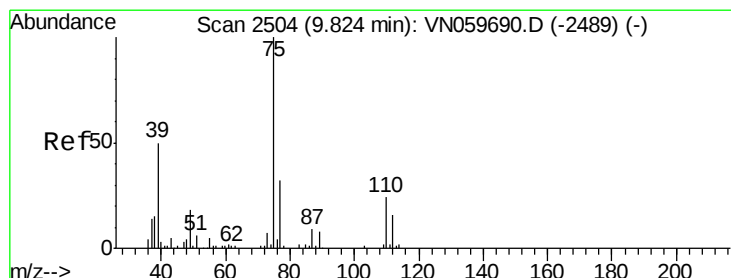
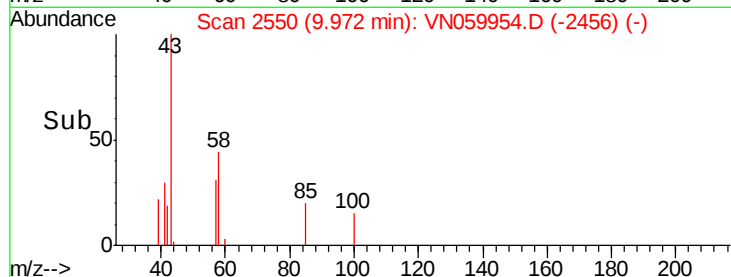
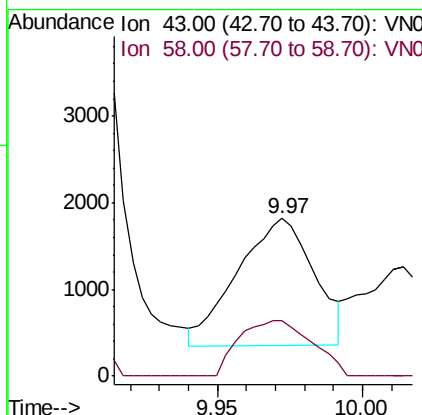
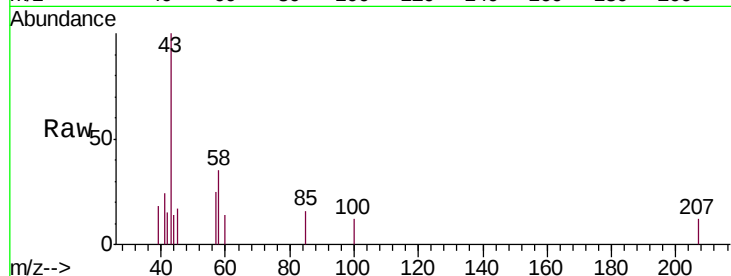




#51
 4-Methyl-2-Pentanone
 Concen: 1.155 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

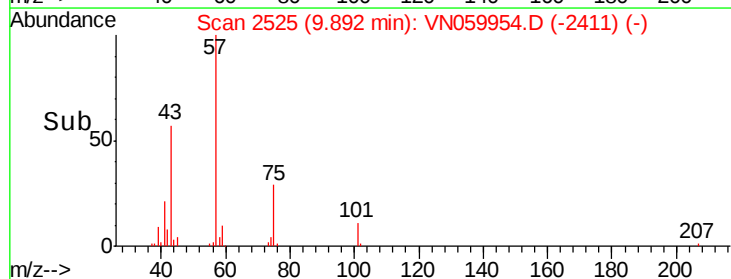
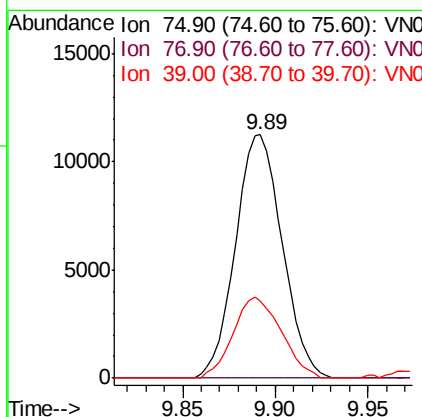
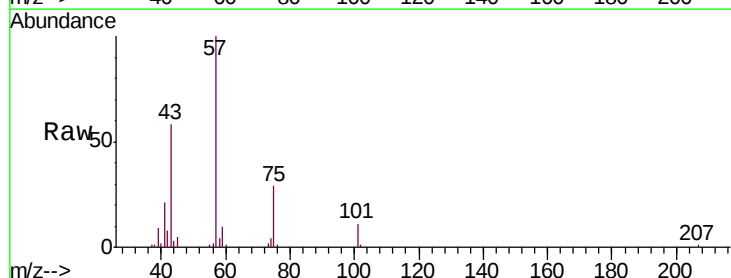
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#05

Tgt Ion: 43 Resp: 2680
 Ion Ratio Lower Upper
 43 100
 58 41.8 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.412 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

Tgt Ion: 75 Resp: 19661
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 31.7 46.1 69.1#

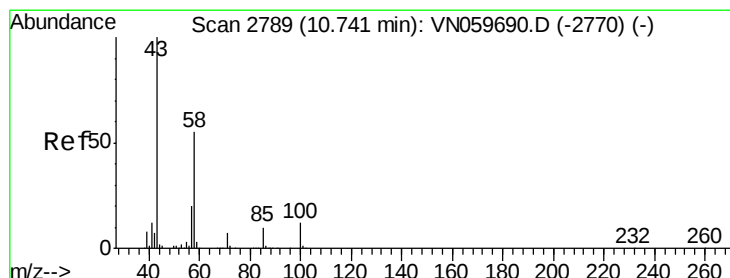
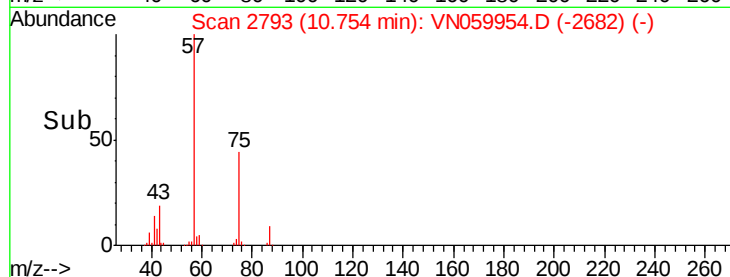
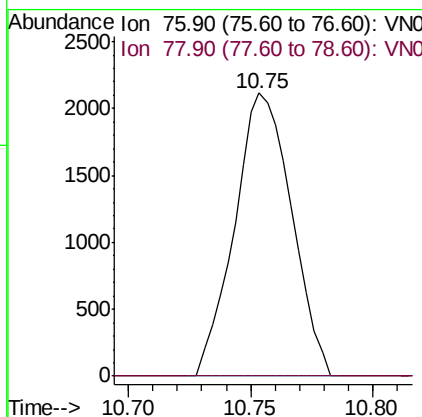
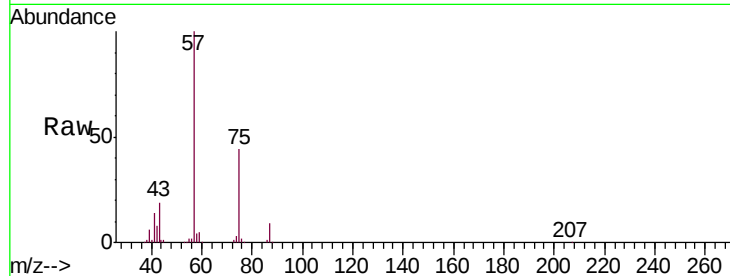




#57
 1,3-Dichloropropane
 Concen: 1.164 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

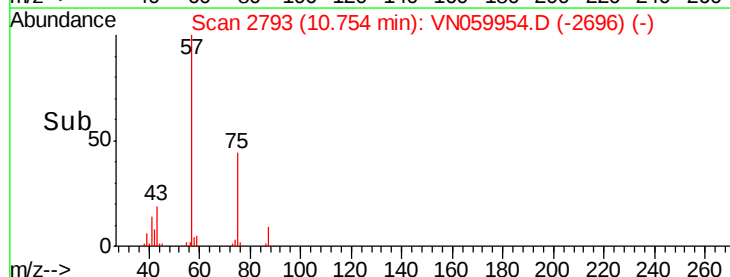
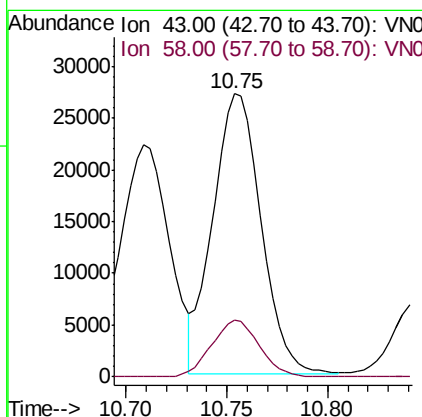
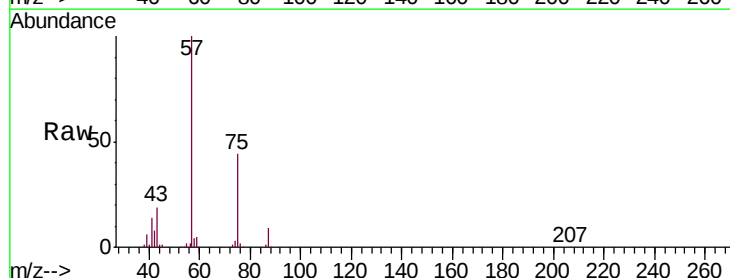
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126487ZHE#05

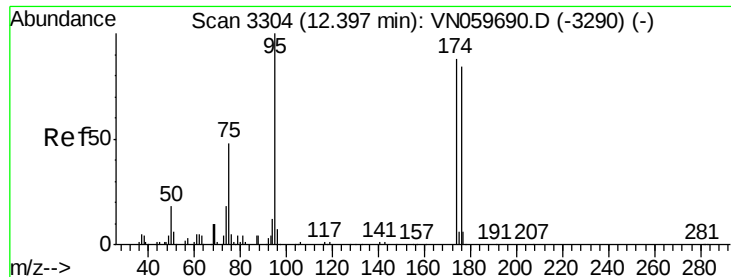
Tgt Ion: 76 Resp: 3430
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 26.257 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059954.D
 Acq: 31 Jan 2020 17:35

Tgt Ion: 43 Resp: 44880
 Ion Ratio Lower Upper
 43 100
 58 20.1 25.8 77.3#

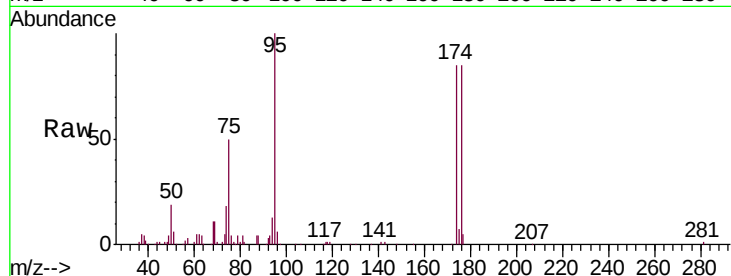




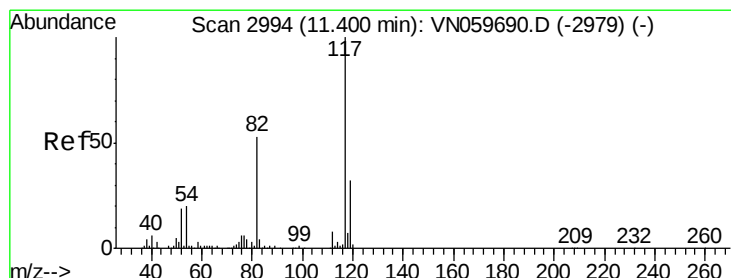
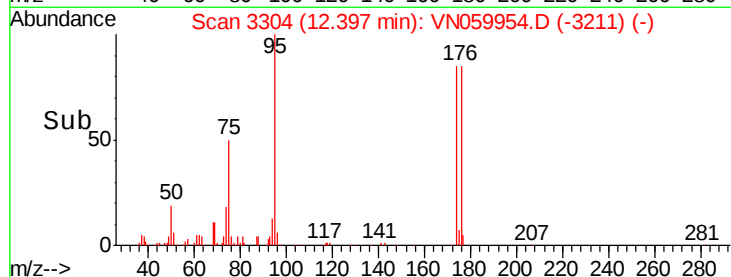
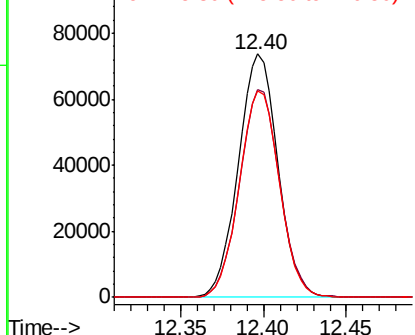
#62
4-Bromofluorobenzene
Concen: 51.549 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059954.D
Acq: 31 Jan 2020 17:35

Instrument :
MSVOA_N
ClientSampleId :
PB126487ZHE#05

Tgt Ion: 95 Resp: 122671
Ion Ratio Lower Upper
95 100
174 86.5 0.0 151.4
176 85.9 0.0 146.0

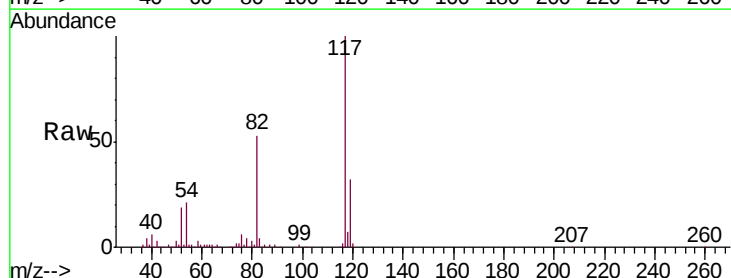


Abundance Ion 94.90 (94.60 to 95.60): VN059954.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN059954.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN059954.D (-3290) (-)

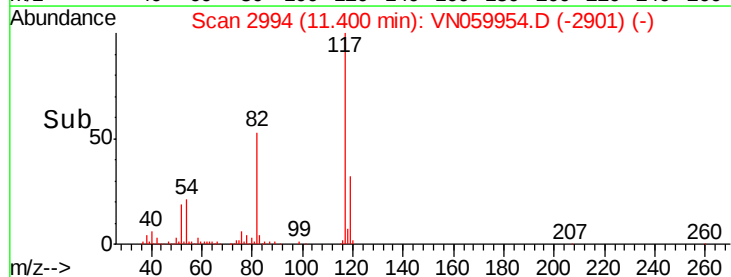
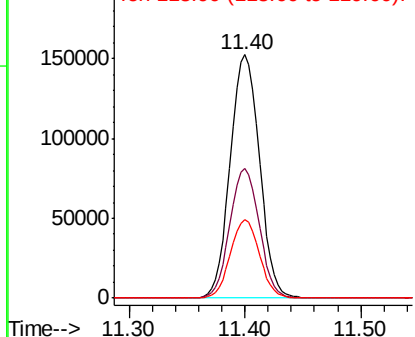


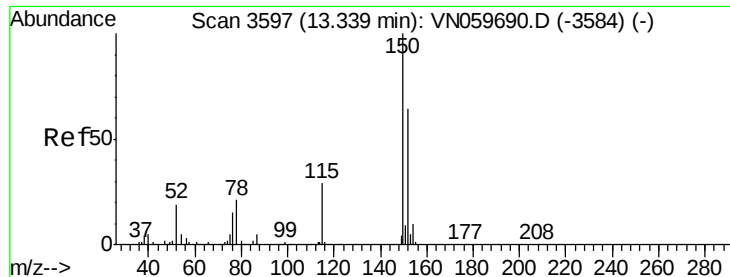
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059954.D
Acq: 31 Jan 2020 17:35

Tgt Ion: 117 Resp: 267928
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059954.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059954.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059954.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#05

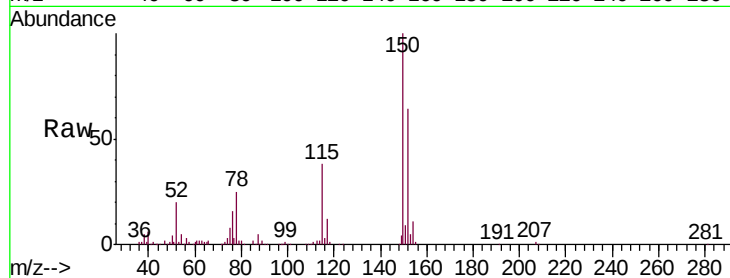
Tgt Ion:152 Resp: 123794

Ion Ratio Lower Upper

152 100

115 57.4 30.3 90.9

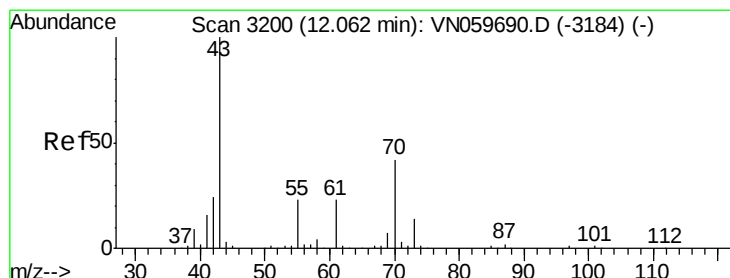
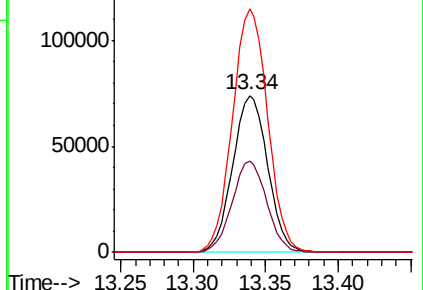
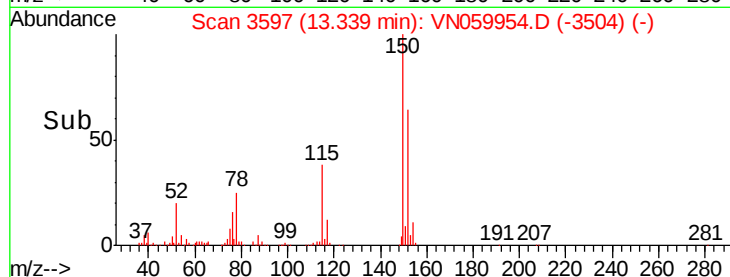
150 156.3 0.0 345.2



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: 0.581 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Tgt Ion: 43 Resp: 2047

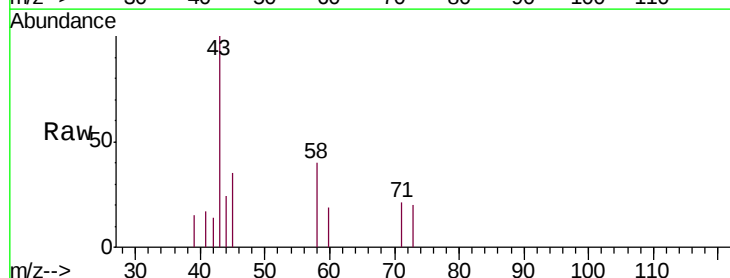
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

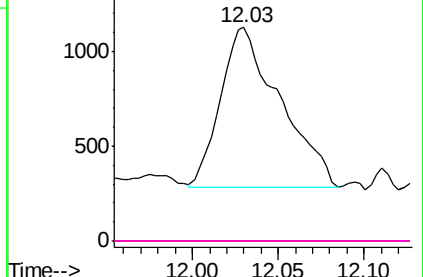
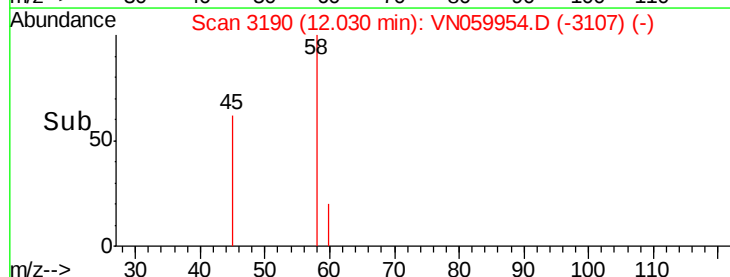


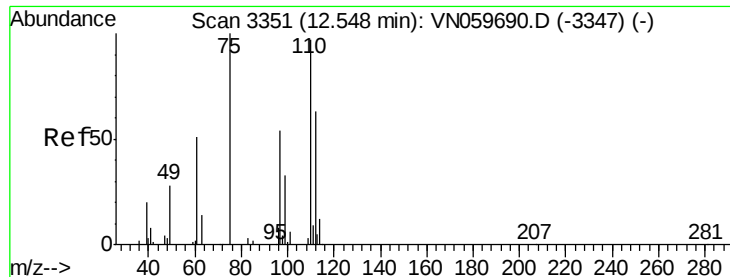
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 30.120 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Instrument :

MSVOA_N

ClientSampleId :

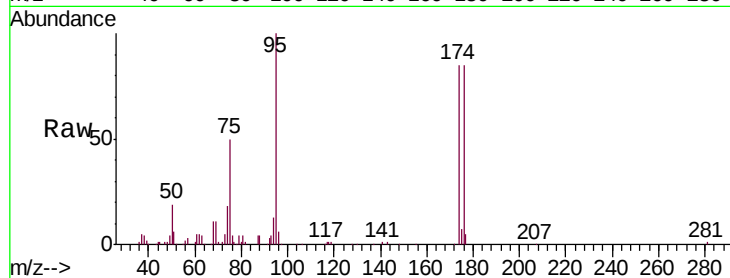
PB126487ZHE#05

Tgt Ion: 75 Resp: 62750

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059954.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059954.D (-3347) (-)

12.40

40000

30000

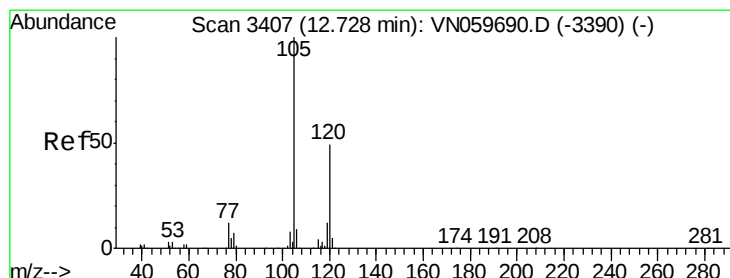
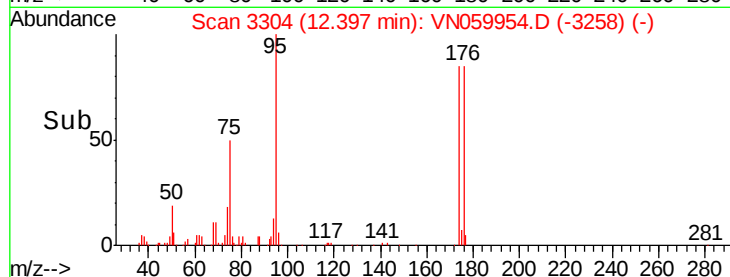
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.269 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059954.D

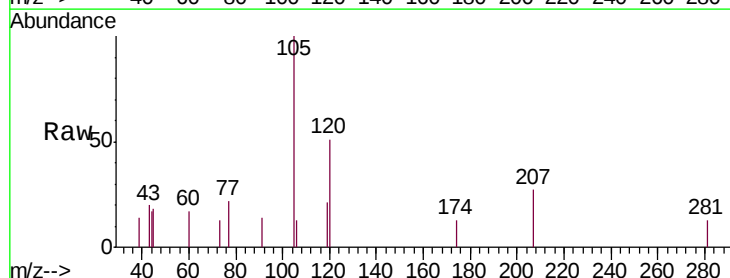
Acq: 31 Jan 2020 17:35

Tgt Ion: 105 Resp: 2052

Ion Ratio Lower Upper

105 100

120 44.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059954.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059954.D (-3390) (-)

12.73

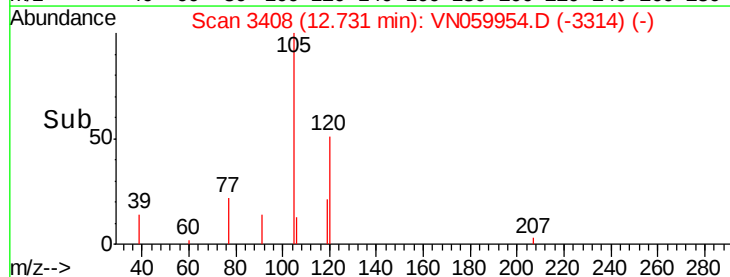
1000

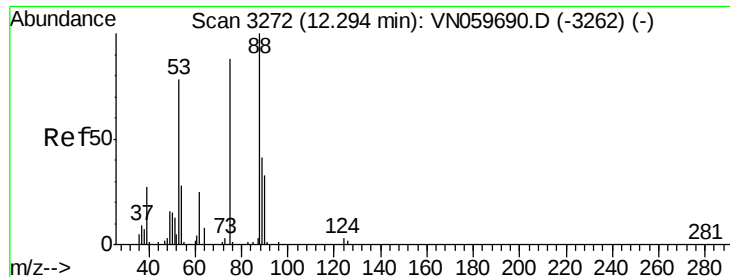
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 64.683 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

Instrument :

MSVOA_N

ClientSampleId :

PB126487ZHE#05

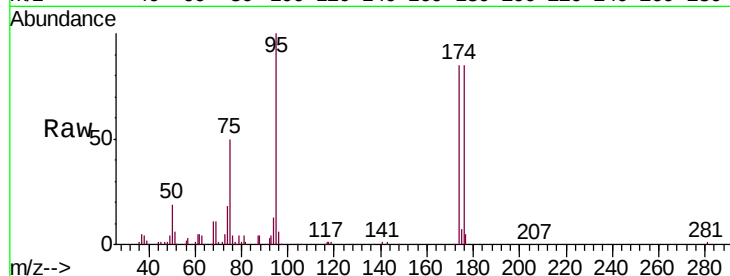
Tgt Ion: 75 Resp: 62750

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

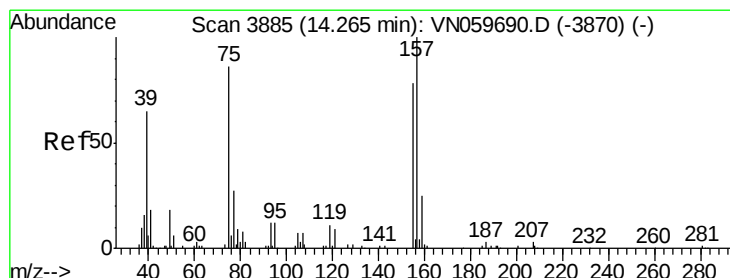
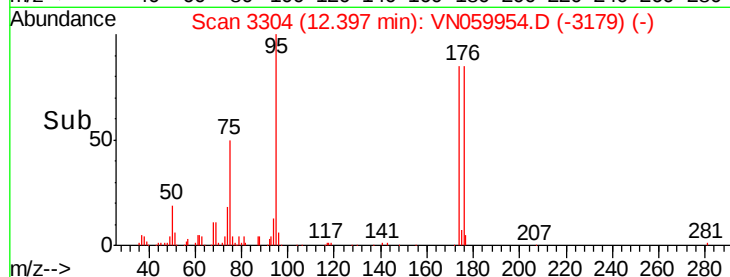
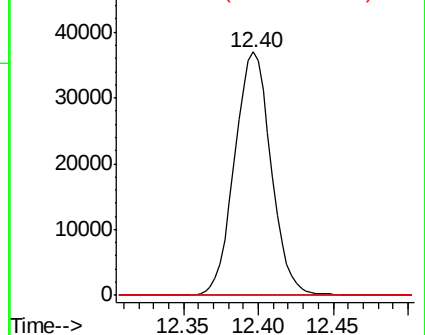
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.39 min Scan# 3924

Delta R.T. 0.13 min

Lab File: VN059954.D

Acq: 31 Jan 2020 17:35

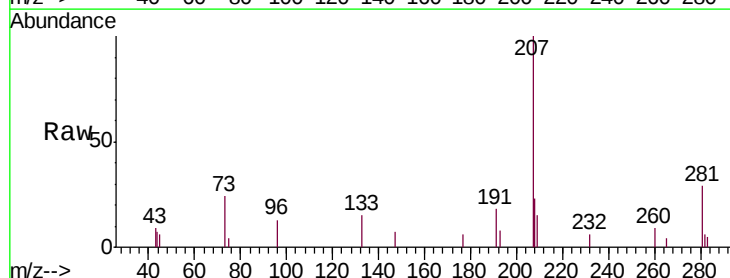
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

