

Data File : VN051933.D
Acq On : 18 Oct 2018 22:42
Operator : MD\SY
Sample : J5573-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
0692-KM-CA-AMD-COMP

Quant Time: Oct 19 06:53:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	967186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1413619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1240710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	438705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	534782	59.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.28%	
35) Dibromofluoromethane	7.59	113	458224	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.09	98	1937944	59.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.52%	
62) 4-Bromofluorobenzene	12.40	95	542662	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

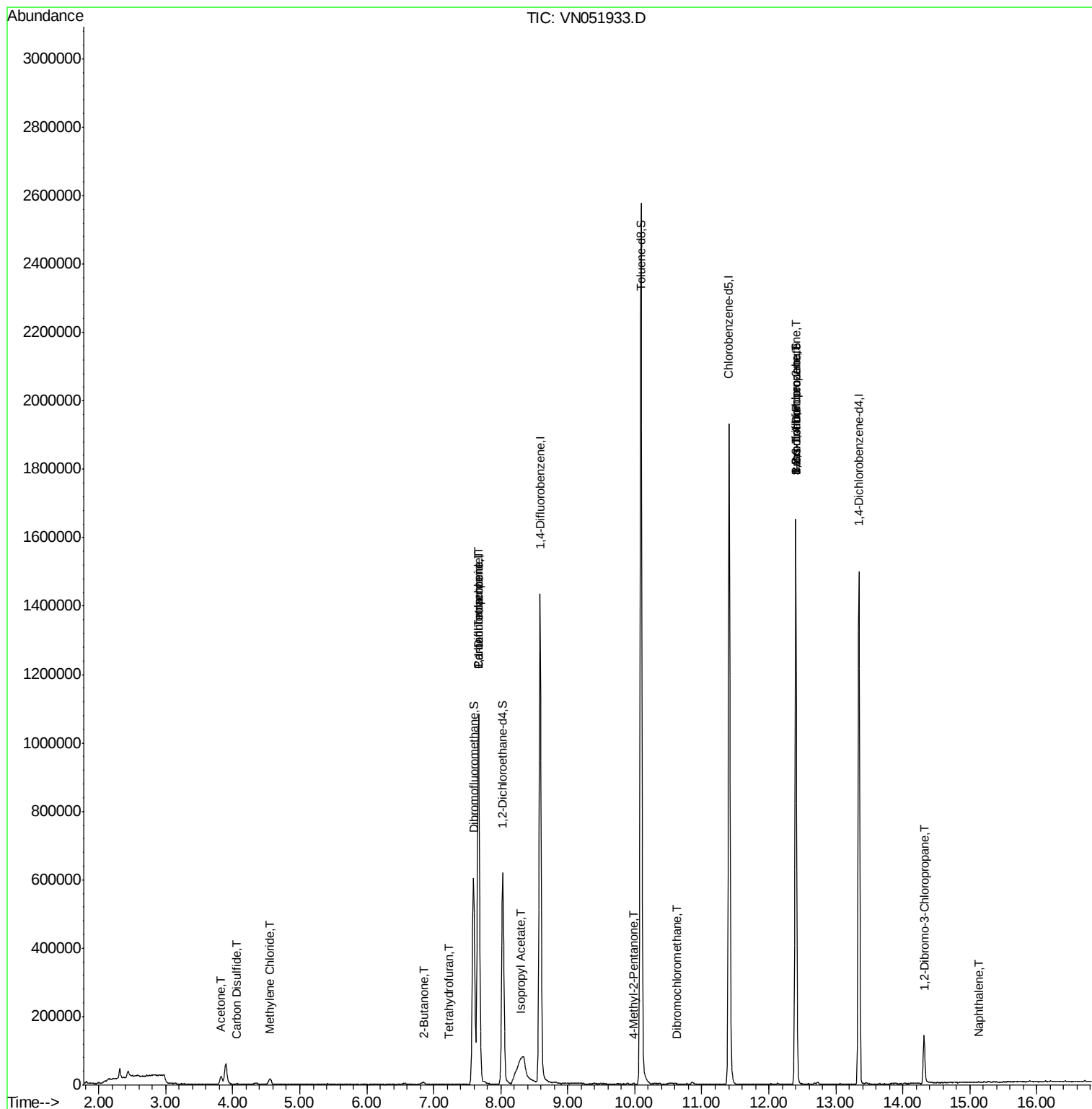
					Qvalue	
5) Bromomethane	2.57	94	1074	Below Cal		88
13) Acrolein	3.62	56	30	Below Cal	#	1
16) Acetone	3.82	43	36529	23.007	ug/l #	87
17) Carbon Disulfide	4.05	76	3492	0.201	ug/l	95
18) Methyl Acetate	4.34	43	8366	Below Cal	#	54
20) Methylene Chloride	4.55	84	12730	1.577	ug/l	94
25) 2-Butanone	6.85	43	4996	2.202	ug/l #	85
29) Tetrahydrofuran	7.24	42	1085	0.783	ug/l #	49
31) Cyclohexane	7.66	56	15616	Below Cal	#	51
36) 1,1-Dichloropropene	7.67	75	58180	5.303	ug/l #	41
37) Ethyl Acetate	6.90	43	308	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	86377	6.685	ug/l #	15
43) Isopropyl Acetate	8.29	43	127433	11.735	ug/l #	50
51) 4-Methyl-2-Pentanone	9.98	43	1514	0.296	ug/l #	33
60) Dibromochloromethane	10.63	129	30	2.053	ug/l #	11
71) Bromoform	12.40	173	4618	3.856	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	269967	50.629	ug/l #	100
79) 2-Chlorotoluene	12.67	91	248	Below Cal	#	36
81) trans-1,4-Dichloro-2-buten	12.40	75	269967	166.377	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.32	75	52984	57.624	ug/l #	1
95) Naphthalene	15.13	128	201	4.074	ug/l #	70

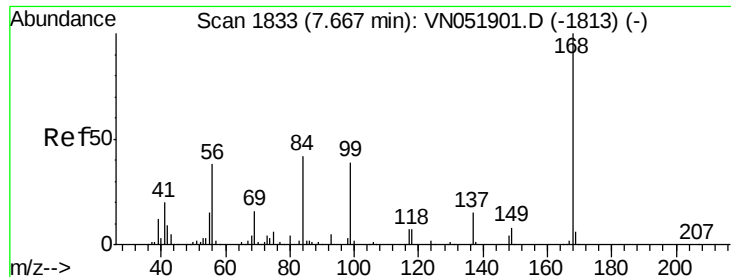
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

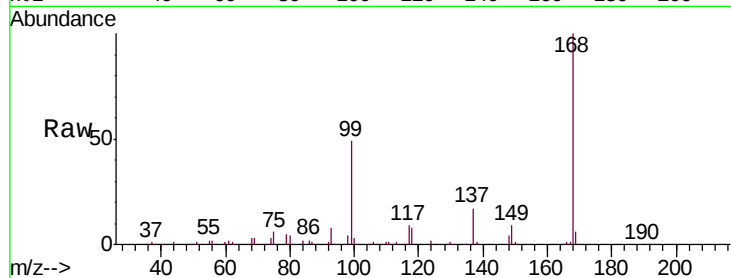
0692-KM-CA-AMD-COMP

Tgt Ion:168 Resp: 967186

Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

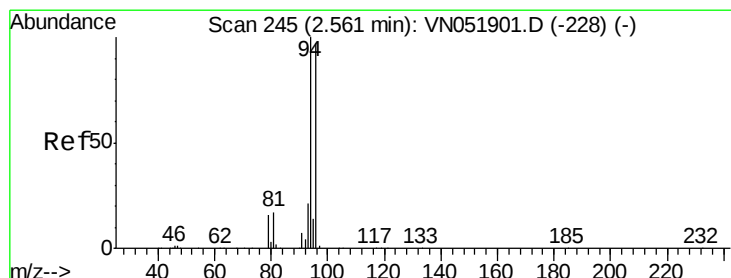
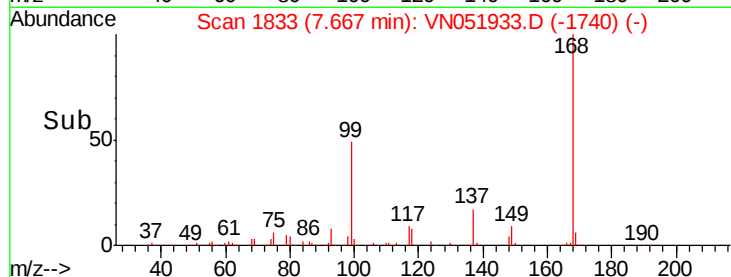
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051933.D

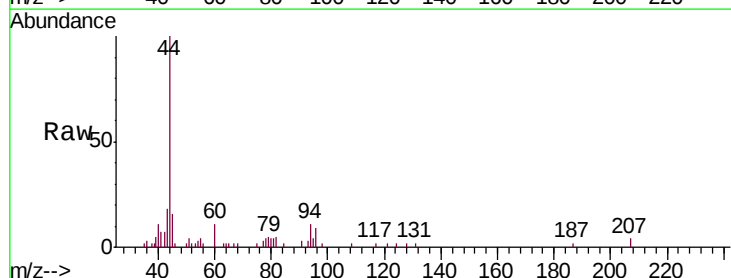
Acq: 18 Oct 2018 22:42

Tgt Ion: 94 Resp: 1074

Ion Ratio Lower Upper

94 100

96 84.8 77.5 116.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1200

1000

800

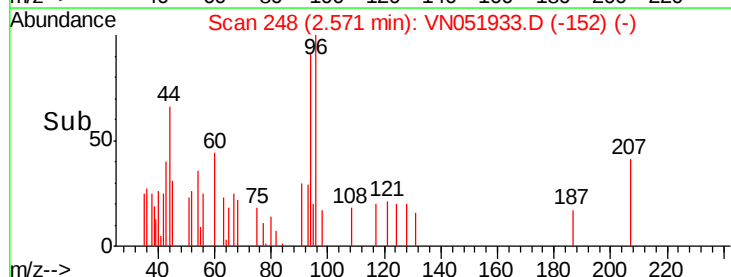
600

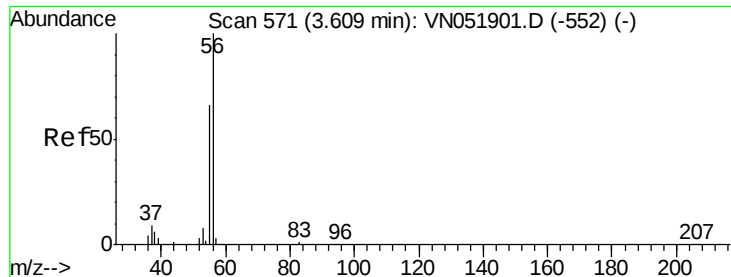
400

200

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

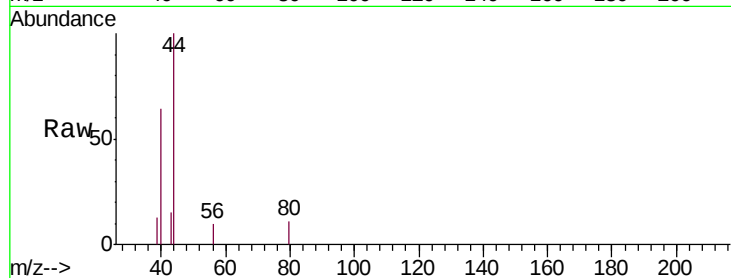
0692-KM-CA-AMD-COMP

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

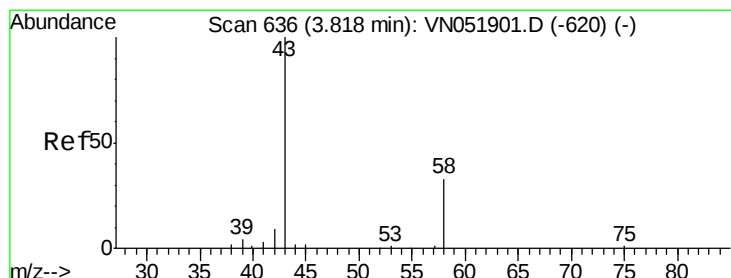
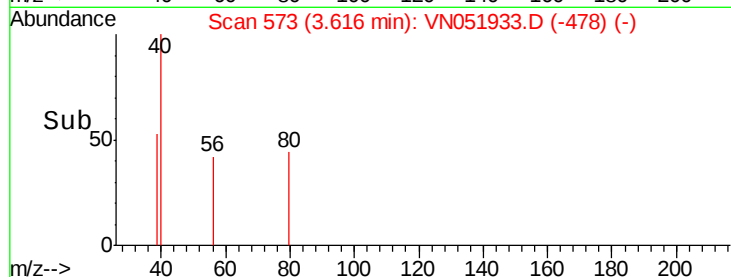
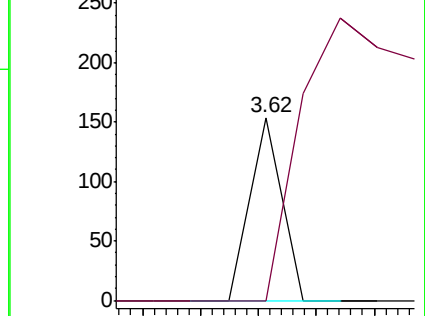
56 100

55 1126.7 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 23.007 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051933.D

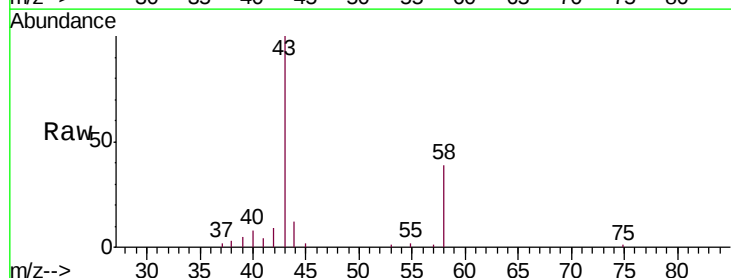
Acq: 18 Oct 2018 22:42

Tgt Ion: 43 Resp: 36529

Ion Ratio Lower Upper

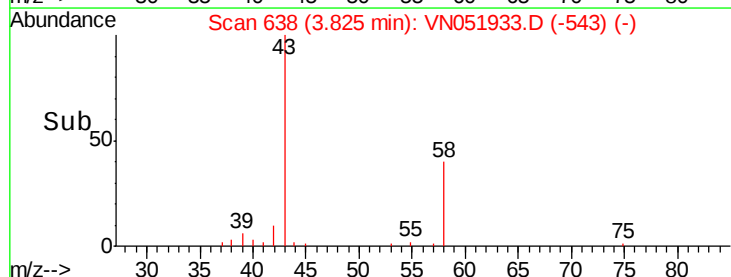
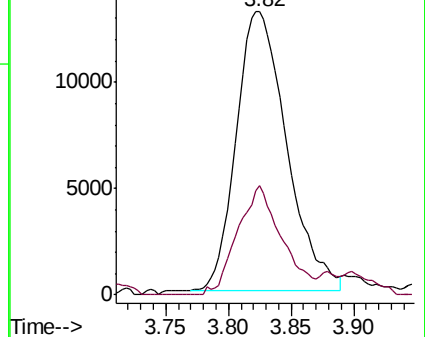
43 100

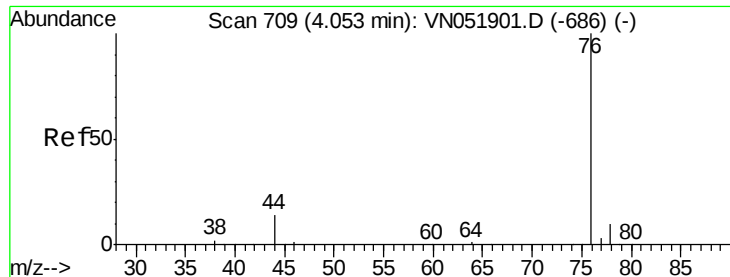
58 39.4 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

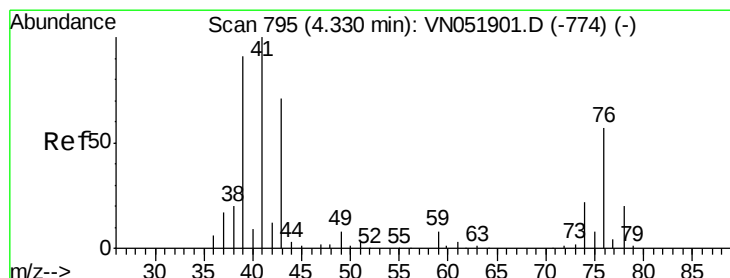
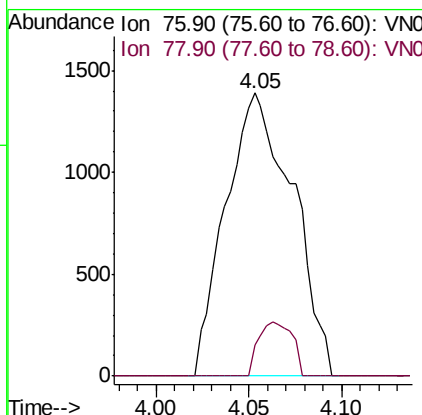
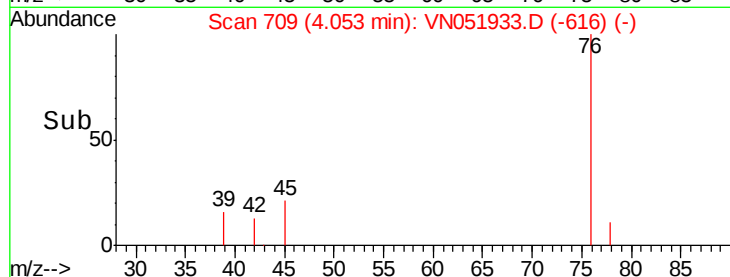
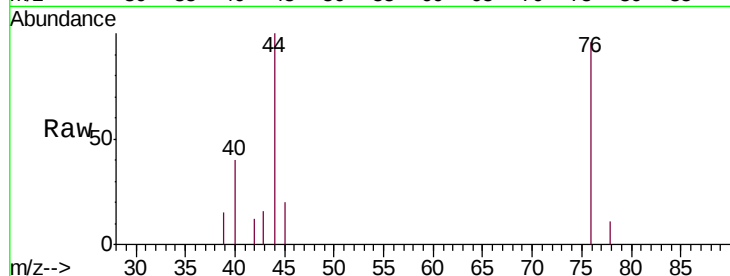




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051933.D
Acq: 18 Oct 2018 22:42

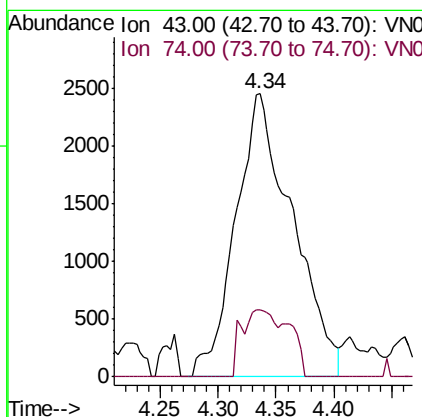
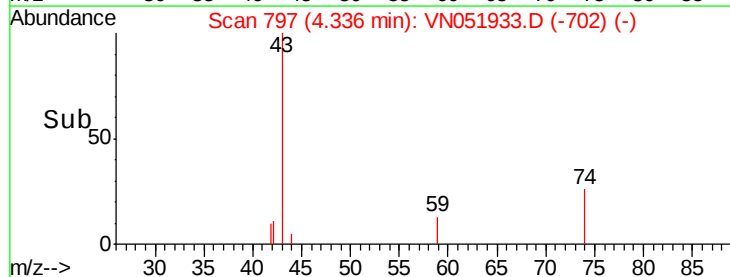
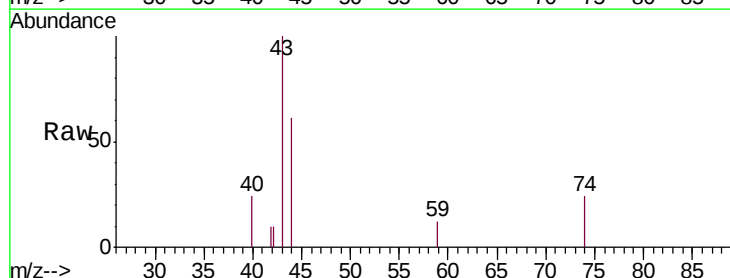
Instrument :
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0692-KM-CA-AMD-COMP

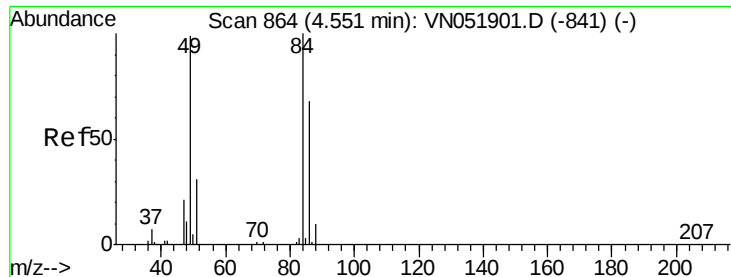
Tgt Ion: 76 Resp: 3492
Ion Ratio Lower Upper
76 100
78 11.2 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051933.D
Acq: 18 Oct 2018 22:42

Tgt Ion: 43 Resp: 8366
Ion Ratio Lower Upper
43 100
74 5.7 24.9 37.3#

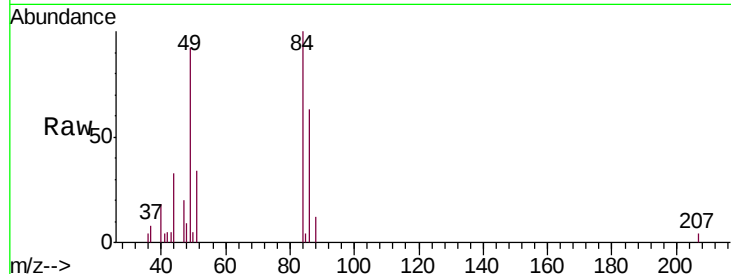




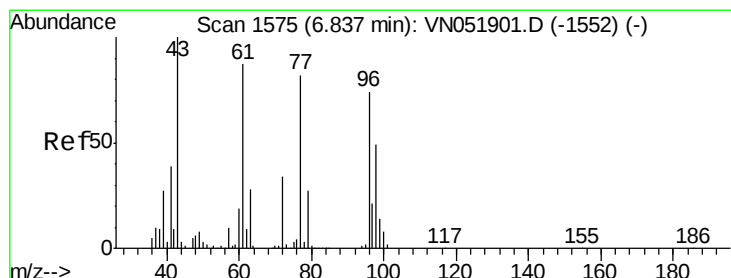
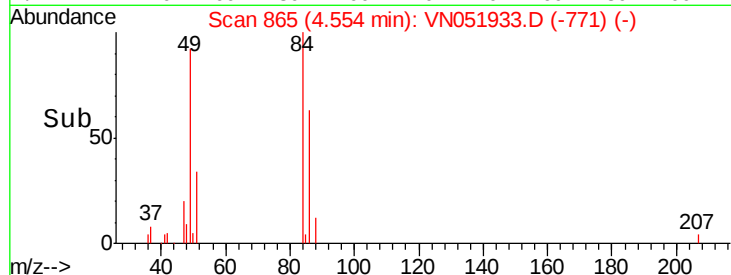
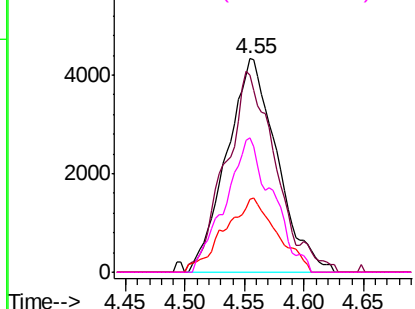
#20
Methylene Chloride
Concen: 1.577 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051933.D
Acq: 18 Oct 2018 22:42

Instrument :
MSVOA_N
ClientSampleId :
0692-KM-CA-AMD-COMP

Tgt Ion:	84	Resp:	12730
Ion	Ratio	Lower	Upper
84	100		
49	92.2	79.0	118.4
51	34.1	24.9	37.3
86	63.2	54.6	82.0

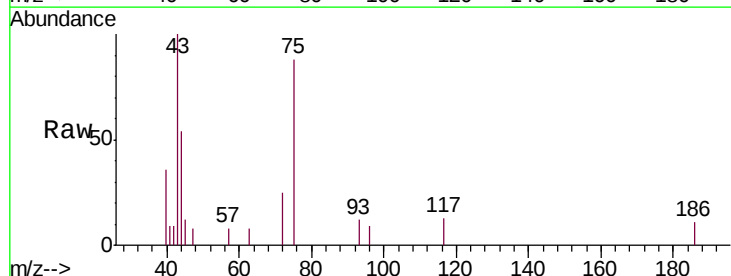


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

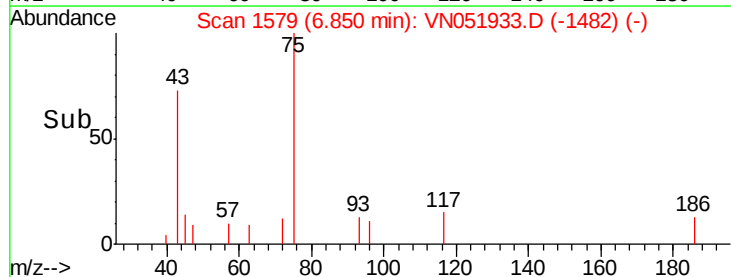
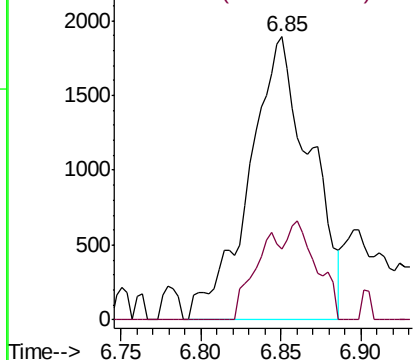


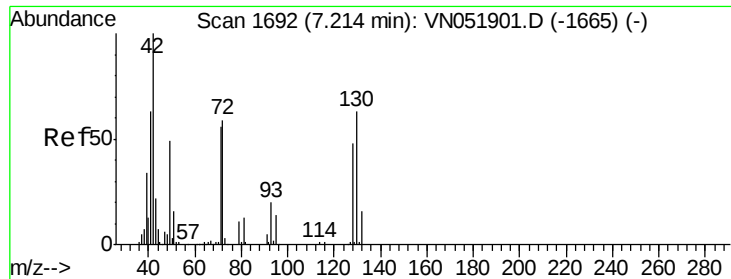
#25
2-Butanone
Concen: 2.202 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051933.D
Acq: 18 Oct 2018 22:42

Tgt Ion:	43	Resp:	4996
Ion	Ratio	Lower	Upper
43	100		
72	25.2	27.0	40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.783 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP

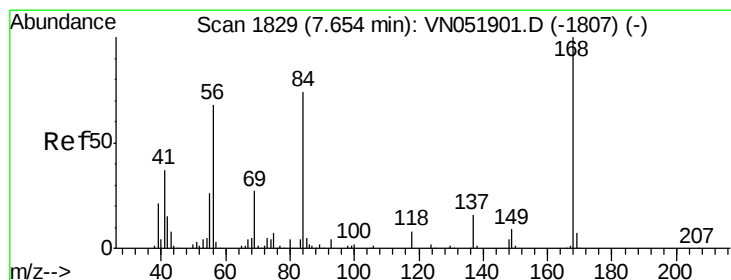
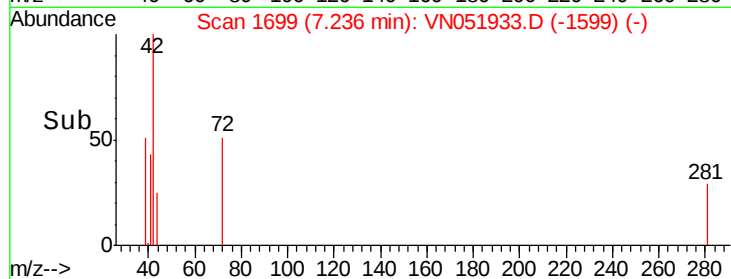
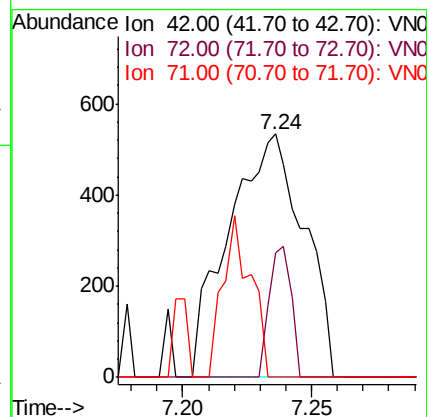
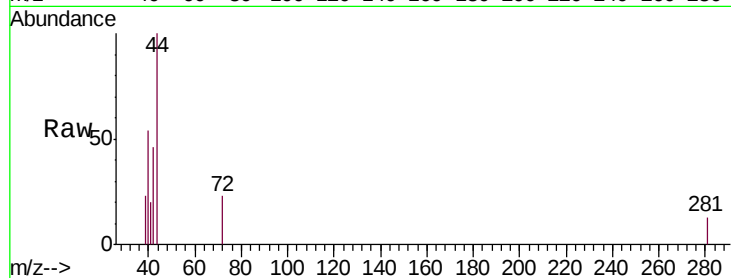
Tgt Ion: 42 Resp: 1085

Ion Ratio Lower Upper

42 100

72 15.9 47.7 71.5#

71 24.6 45.4 68.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

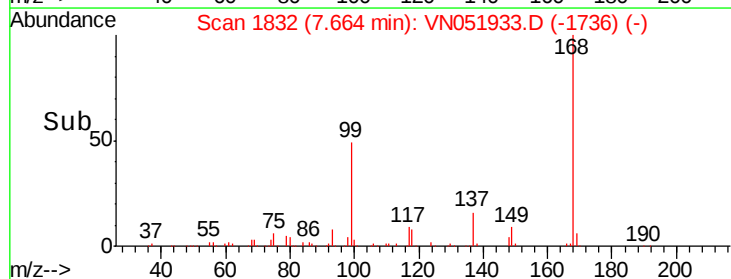
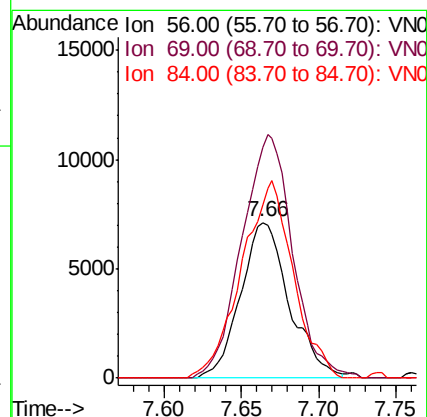
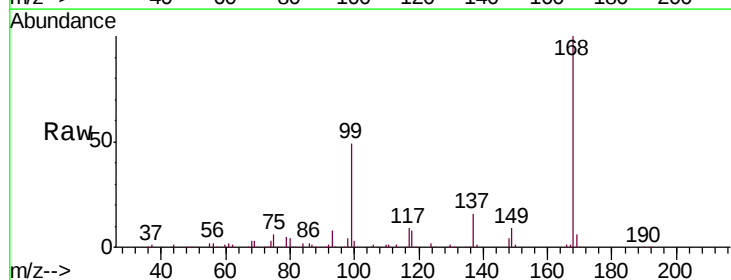
Tgt Ion: 56 Resp: 15616

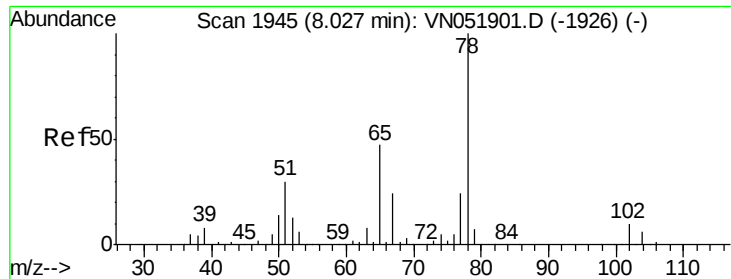
Ion Ratio Lower Upper

56 100

69 148.0 31.2 46.8#

84 110.9 86.6 130.0

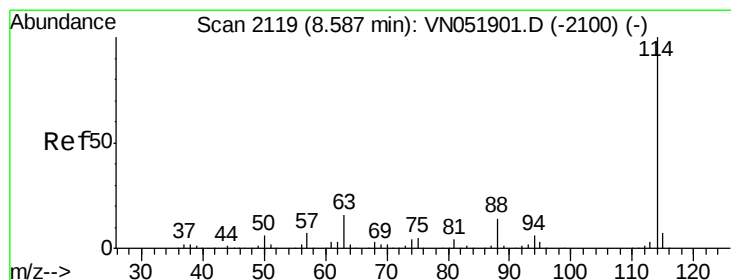
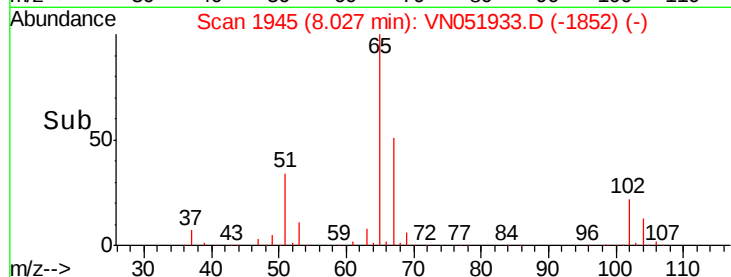
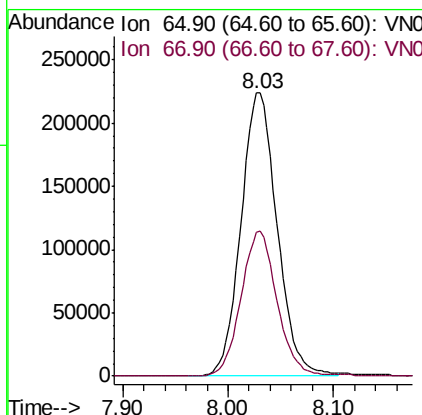
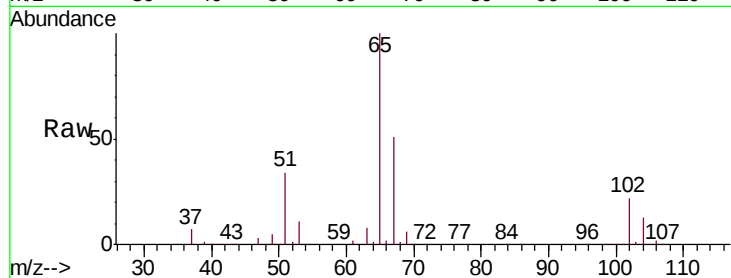




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051933.D
 Acq: 18 Oct 2018 22:42

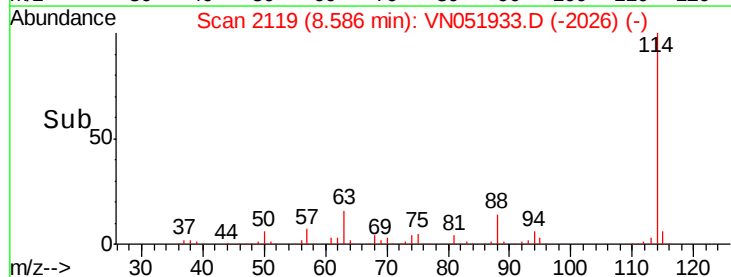
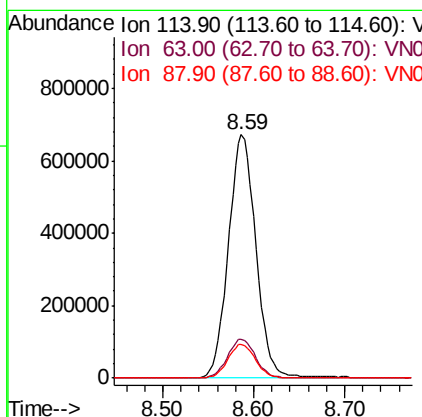
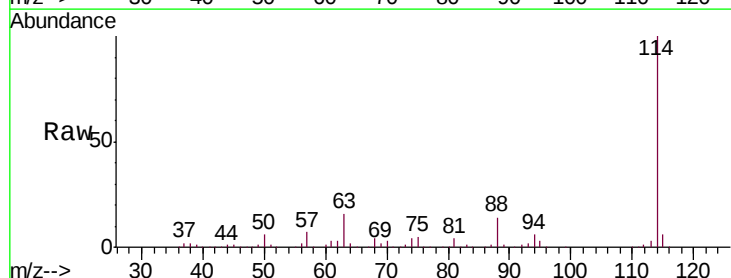
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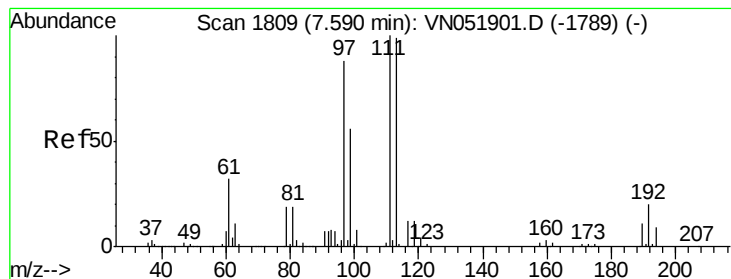
Tgt Ion: 65 Resp: 534782
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051933.D
 Acq: 18 Oct 2018 22:42

Tgt Ion: 114 Resp: 1413619
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.8
 88 13.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP

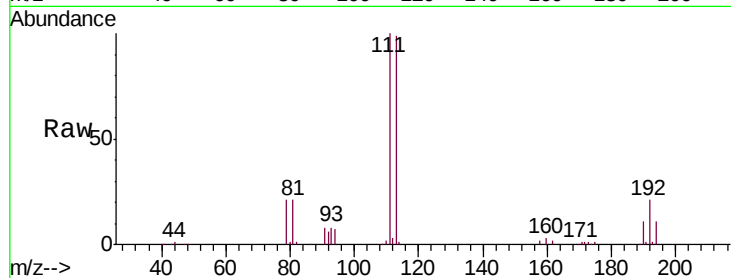
Tgt Ion:113 Resp: 458224

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

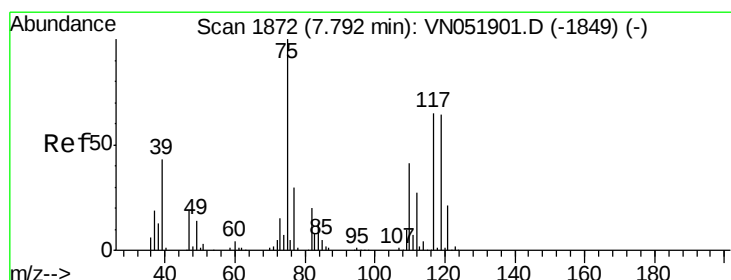
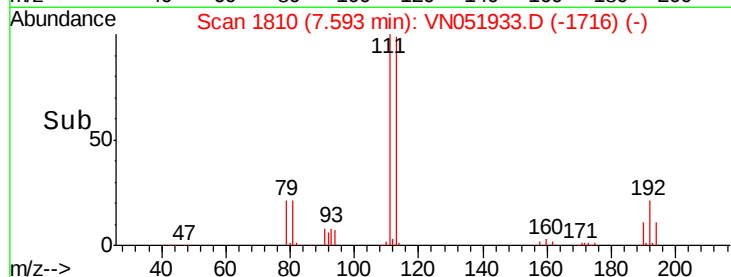
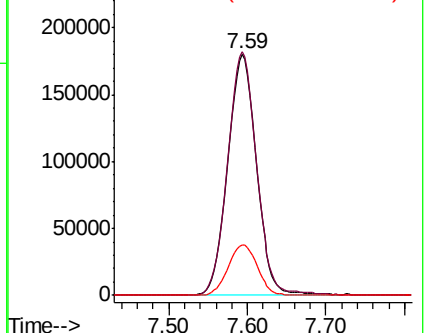
192 21.2 17.3 25.9



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: 5.303 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

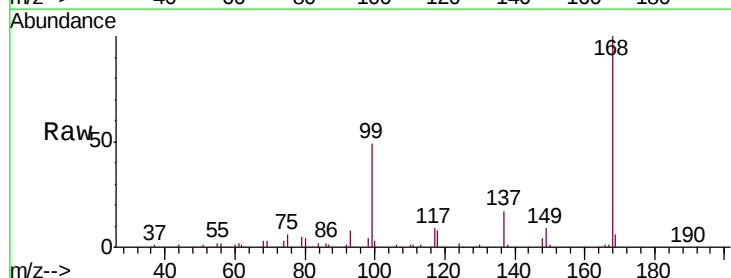
Tgt Ion: 75 Resp: 58180

Ion Ratio Lower Upper

75 100

110 3.0 21.0 63.0#

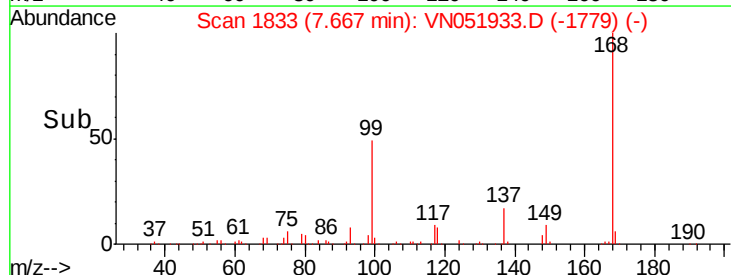
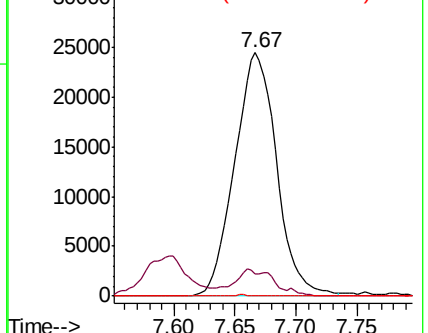
77 0.1 24.9 37.3#

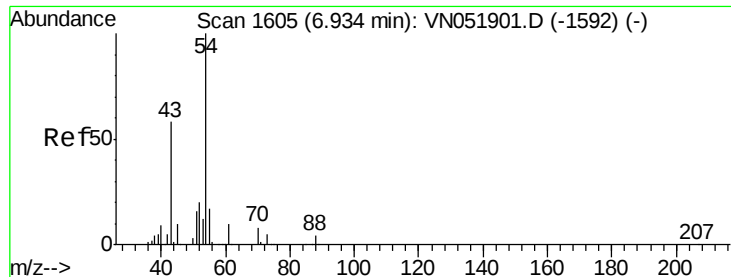


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.90 min Scan# 1594

Delta R.T. -0.03 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP

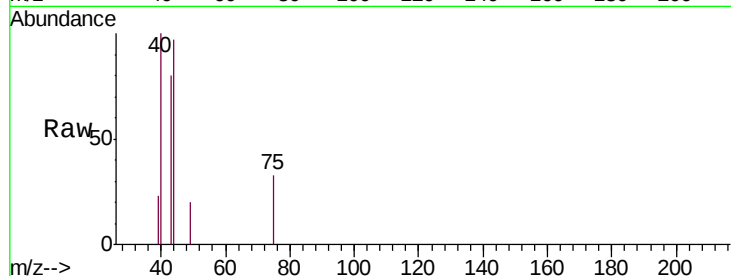
Tgt Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 10.4 15.6#

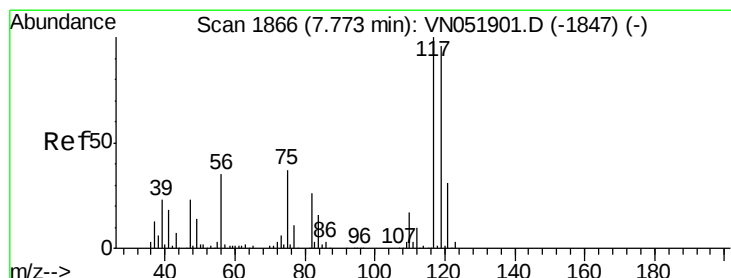
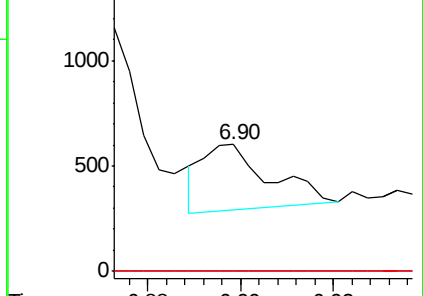
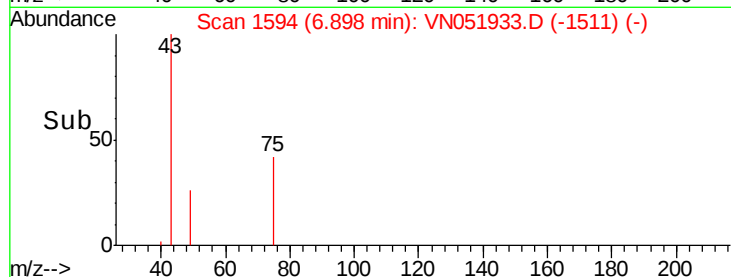


Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051901.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051901.D (-1592) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.685 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

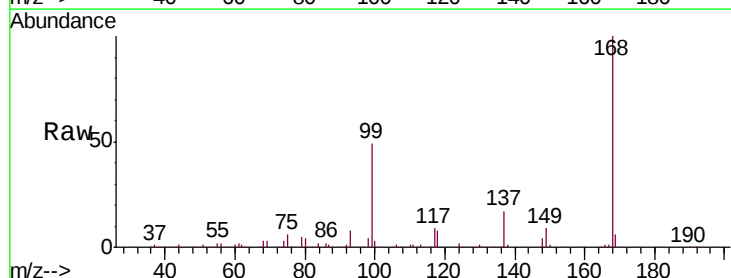
Tgt Ion: 117 Resp: 86377

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.6#

121 0.0 25.1 37.7#

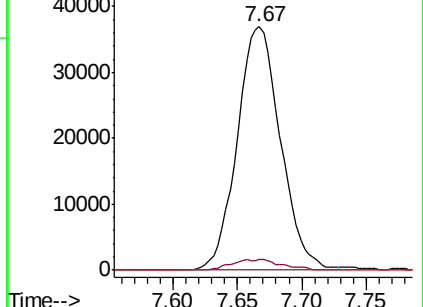
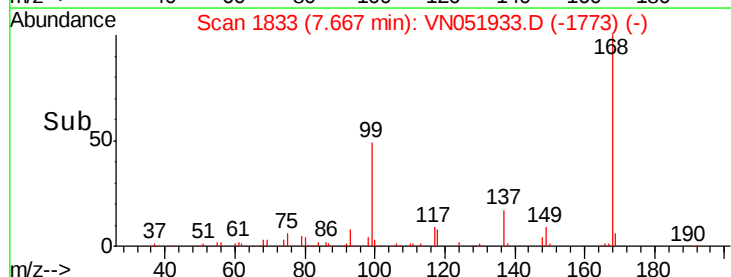


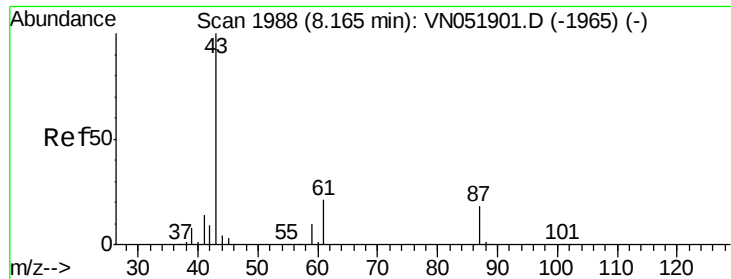
Abundance Ion 116.80 (116.50 to 117.50): VN051901.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN051901.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN051901.D (-1847) (-)

Time-->





#43

Isopropyl Acetate

Concen: 11.735 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP

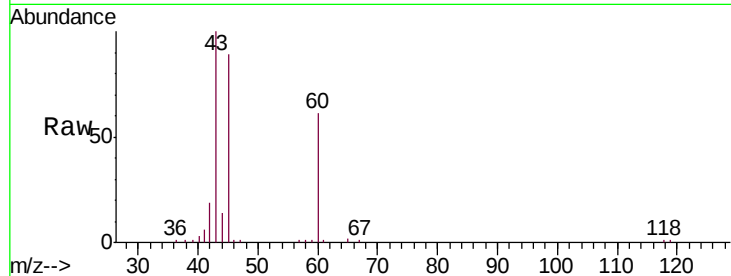
Tgt Ion: 43 Resp: 127433

Ion Ratio Lower Upper

43 100

61 0.3 24.9 37.3#

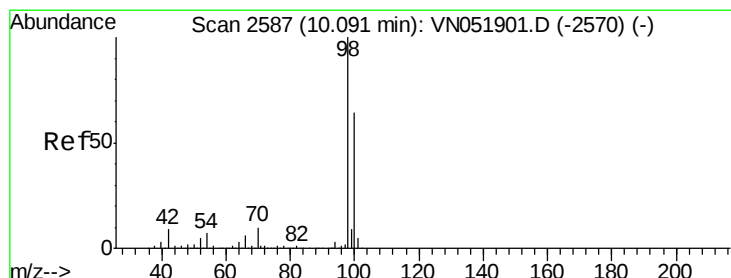
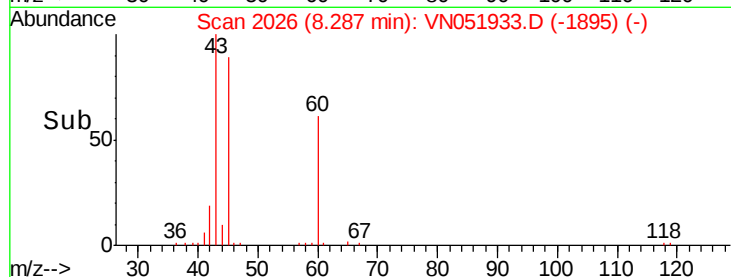
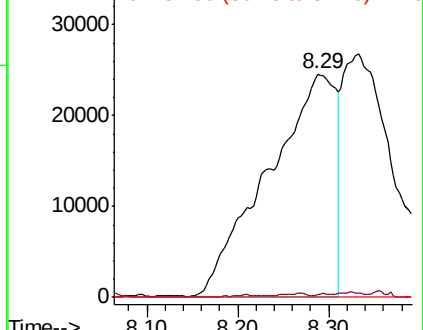
87 0.0 14.6 22.0#



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051901.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051901.D (-1965) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051933.D

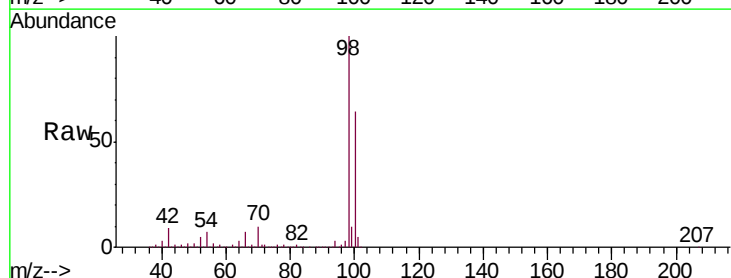
Acq: 18 Oct 2018 22:42

Tgt Ion: 98 Resp: 1937944

Ion Ratio Lower Upper

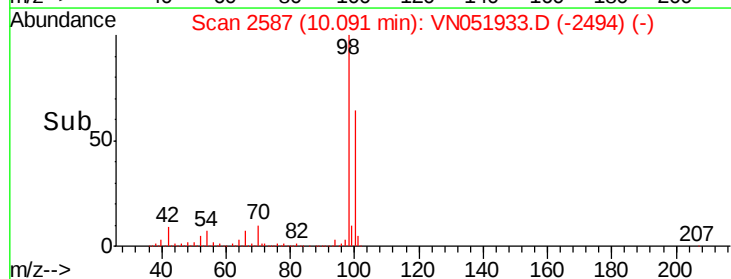
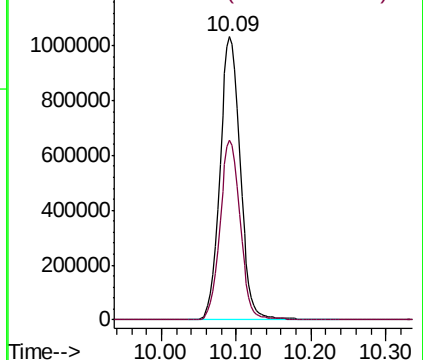
98 100

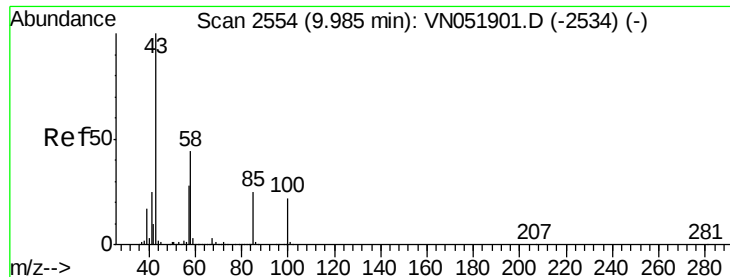
100 63.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VN051901.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051901.D (-2570) (-)

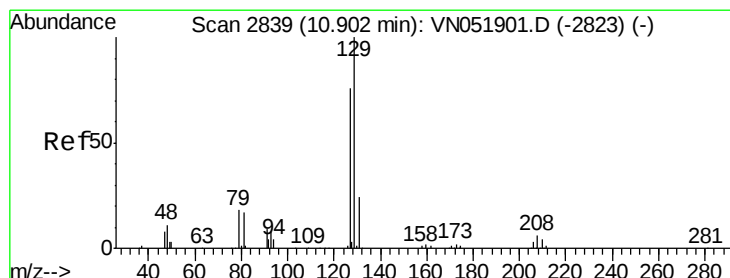
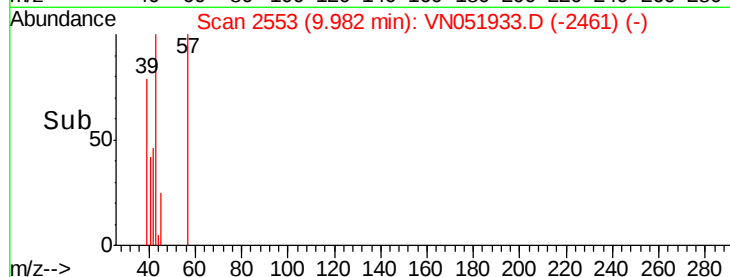
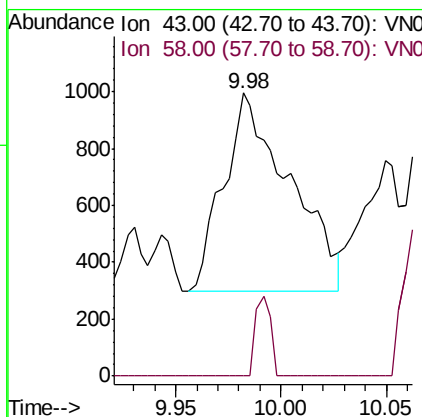
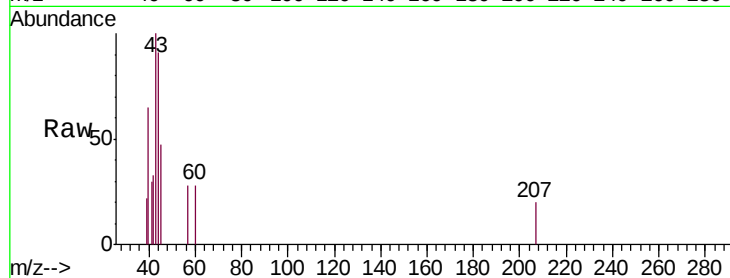




#51
 4-Methyl-2-Pentanone
 Concen: 0.296 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051933.D
 Acq: 18 Oct 2018 22:42

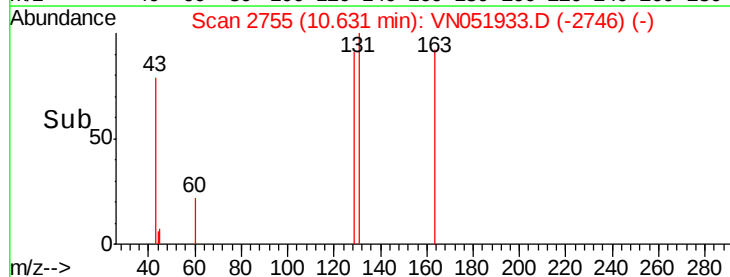
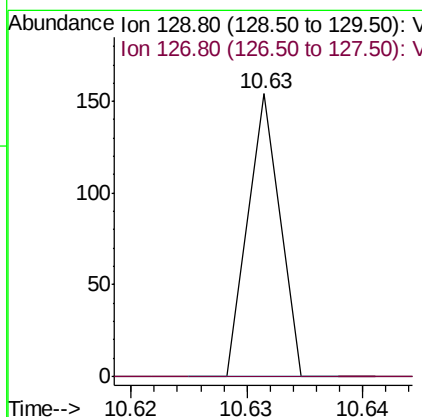
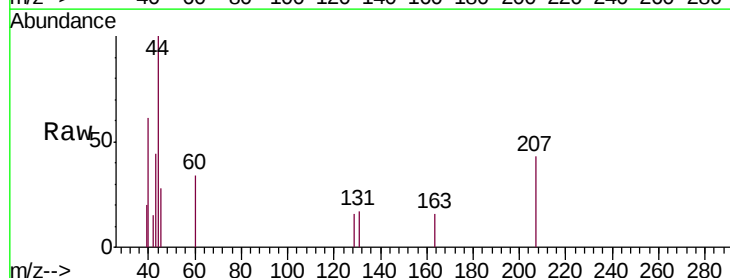
Instrument :
 MSVOA_N
 ClientSampleId :
 0692-KM-CA-AMD-COMP

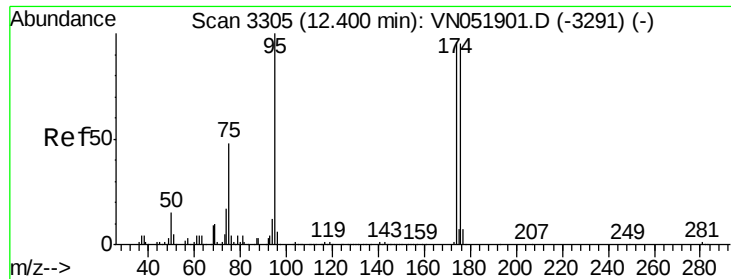
Tgt Ion: 43 Resp: 1514
 Ion Ratio Lower Upper
 43 100
 58 0.0 34.6 52.0#



#60
 Dibromochloromethane
 Concen: 2.053 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN051933.D
 Acq: 18 Oct 2018 22:42

Tgt Ion: 129 Resp: 30
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#

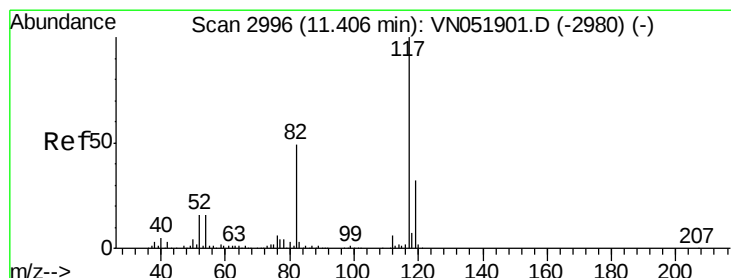
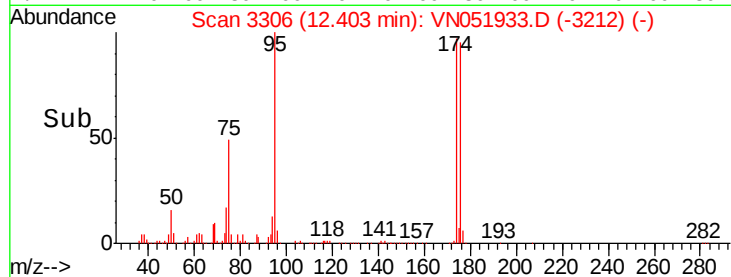
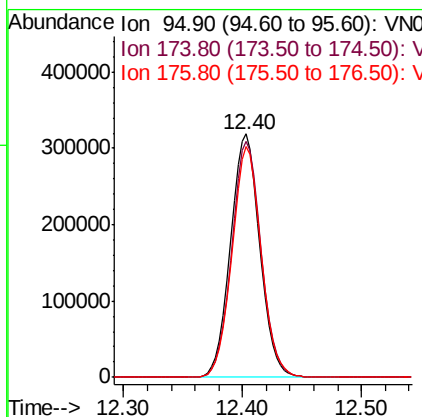
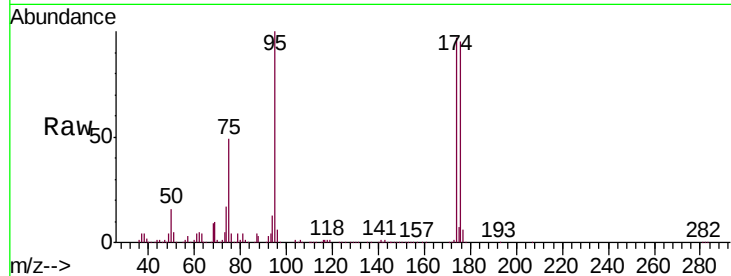




#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051933.D
 Acq: 18 Oct 2018 22:42

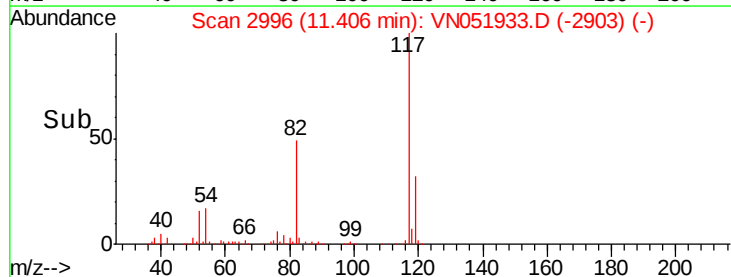
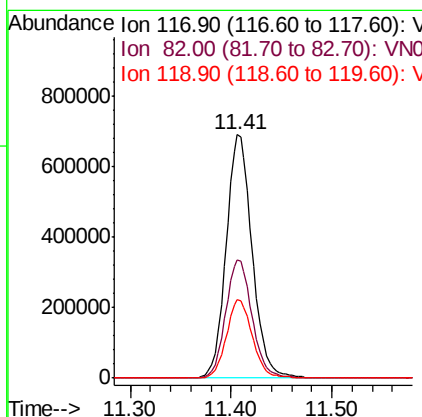
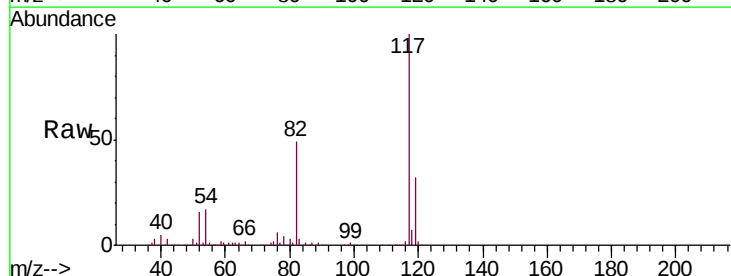
Instrument :
 MSVOA_N
 ClientSampleId :
 0692-KM-CA-AMD-COMP

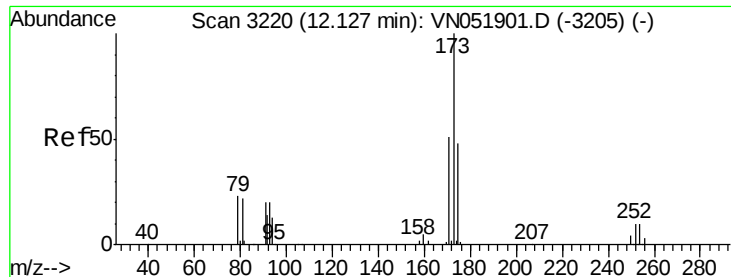
Tgt Ion: 95 Resp: 542662
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 195.0
 176 94.4 0.0 191.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN051933.D
 Acq: 18 Oct 2018 22:42

Tgt Ion: 117 Resp: 1240710
 Ion Ratio Lower Upper
 117 100
 82 48.6 38.9 58.3
 119 32.3 25.9 38.9





#71

Bromoform

Concen: 3.856 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP

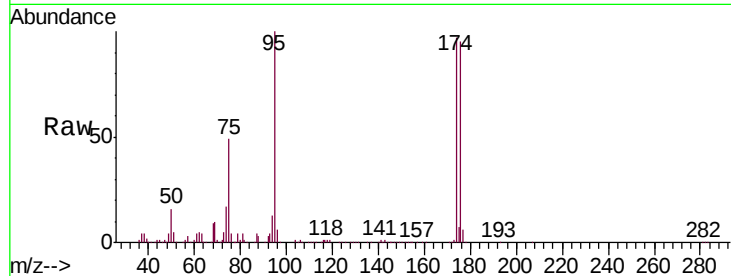
Tgt Ion:173 Resp: 4618

Ion Ratio Lower Upper

173 100

175 725.8 24.0 72.0#

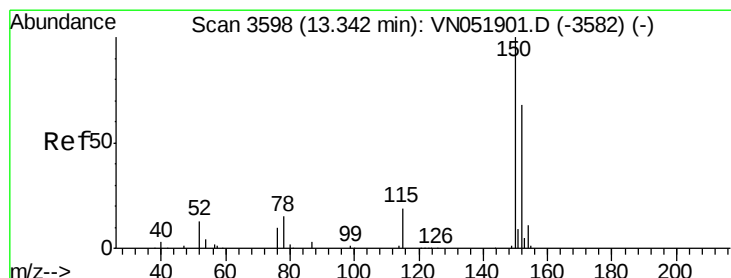
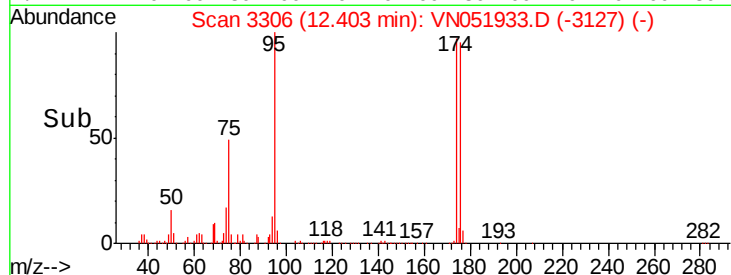
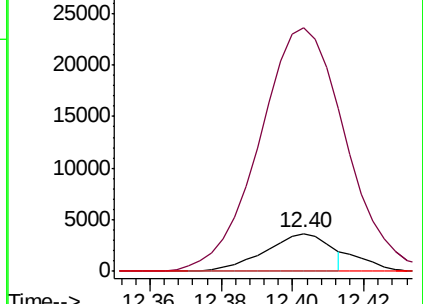
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

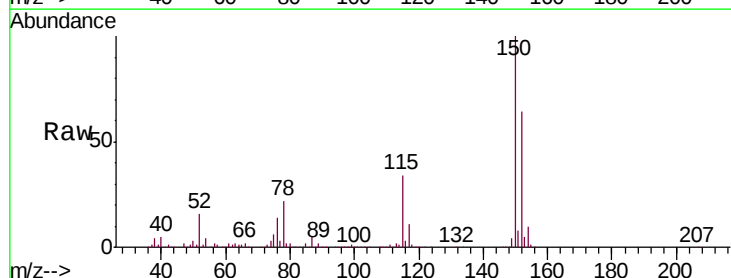
Tgt Ion:152 Resp: 438705

Ion Ratio Lower Upper

152 100

115 53.8 26.7 80.1

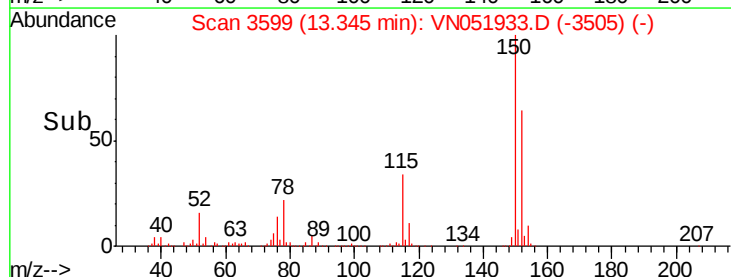
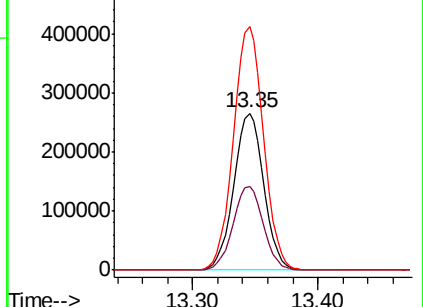
150 156.4 0.0 346.4

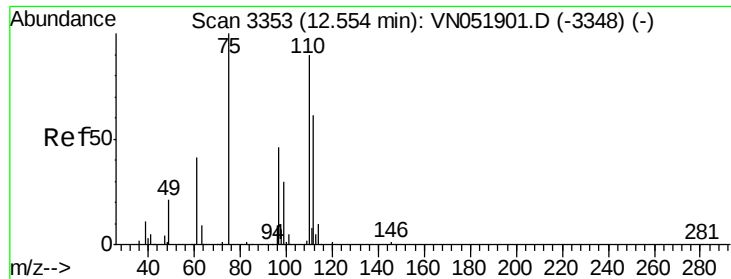


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.629 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

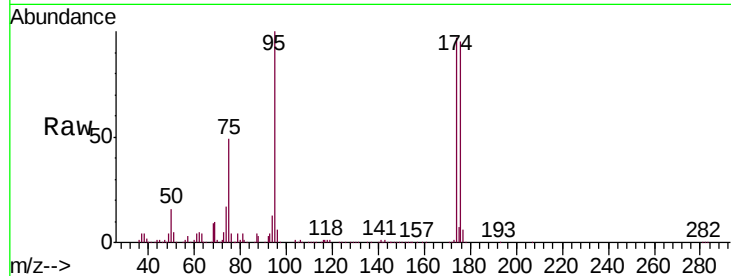
0692-KM-CA-AMD-COMP

Tgt Ion: 75 Resp: 269967

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

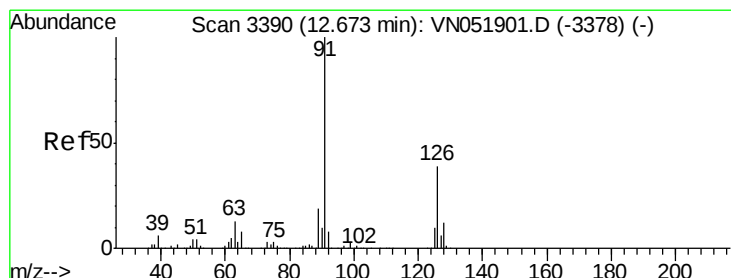
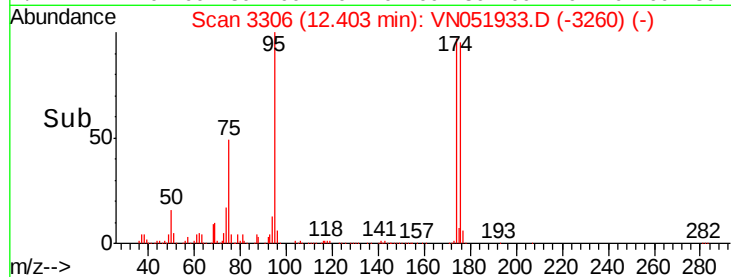
150000

100000

50000

0

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN051933.D

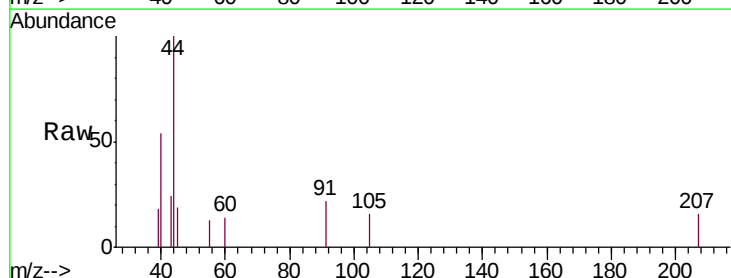
Acq: 18 Oct 2018 22:42

Tgt Ion: 91 Resp: 248

Ion Ratio Lower Upper

91 100

126 0.0 19.6 58.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

300

250

200

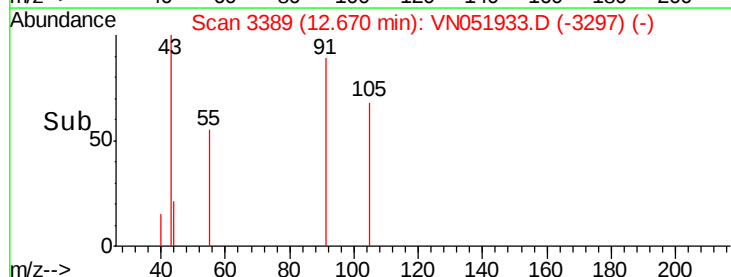
150

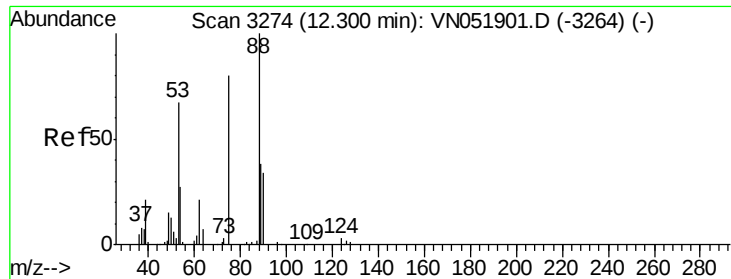
100

50

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 166.377 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP

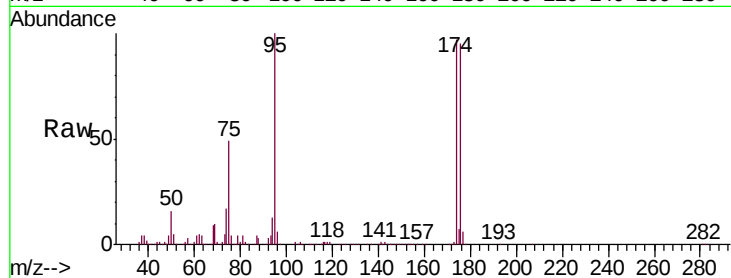
Tgt Ion: 75 Resp: 269967

Ion Ratio Lower Upper

75 100

53 0.0 68.5 102.7#

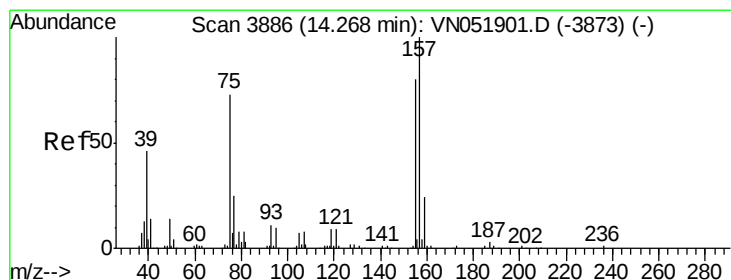
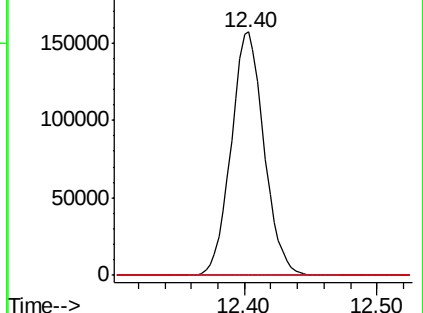
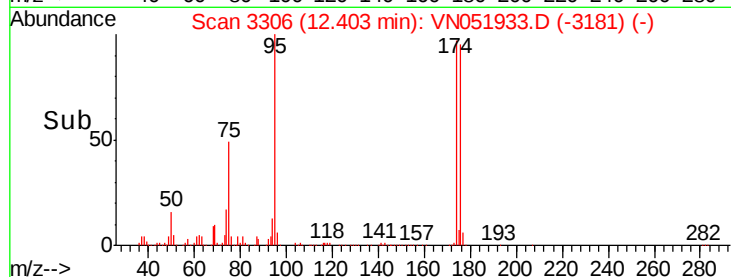
89 0.0 39.0 58.6#



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: 57.624 ug/l

RT: 14.32 min Scan# 3901

Delta R.T. 0.05 min

Lab File: VN051933.D

Acq: 18 Oct 2018 22:42

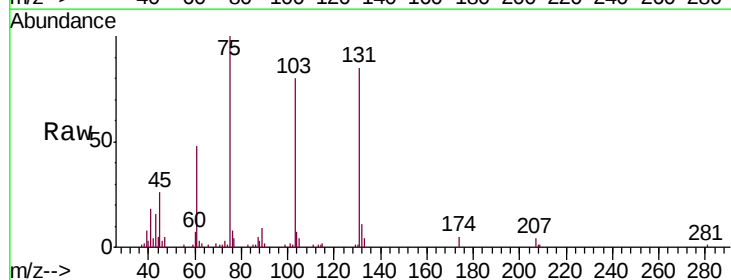
Tgt Ion: 75 Resp: 52984

Ion Ratio Lower Upper

75 100

155 0.0 53.4 160.2#

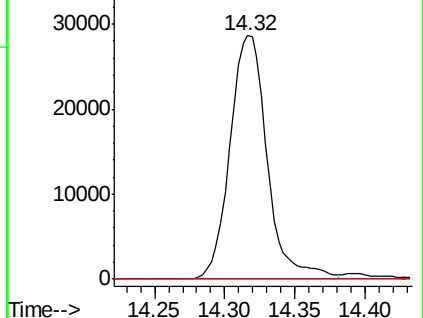
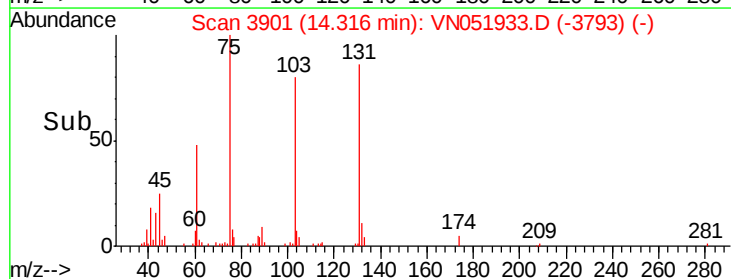
157 0.0 69.3 207.9#

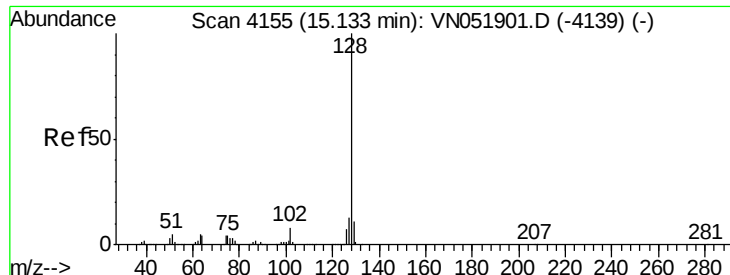


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.074 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051933.D

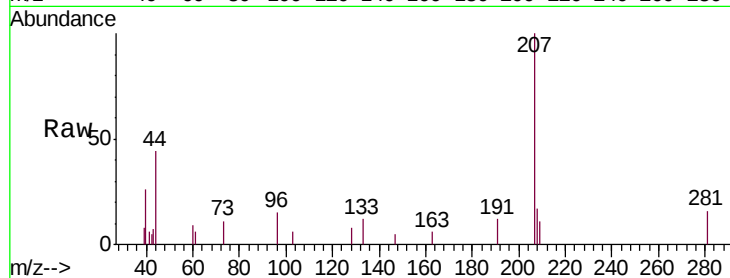
Acq: 18 Oct 2018 22:42

Instrument :

MSVOA_N

ClientSampleId :

0692-KM-CA-AMD-COMP



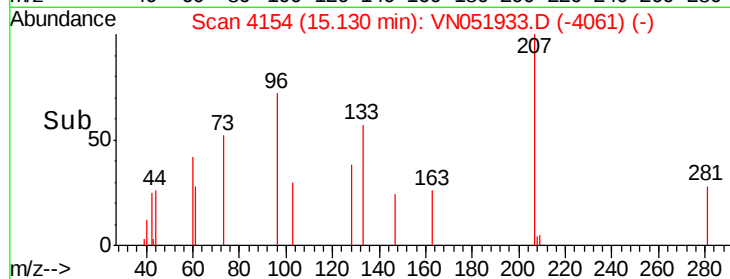
Tgt Ion:128 Resp: 201

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.5 12.7#



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

