

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058807.D
 Acq On : 16 Oct 2019 17:17
 Operator : JC/SP
 Sample : K5396-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7345A

Quant Time: Oct 17 01:34:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	374932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	591784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	200485	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	279897	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
35) Dibromofluoromethane	7.57	113	199231	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	10.08	98	753171	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.41	95	240522	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

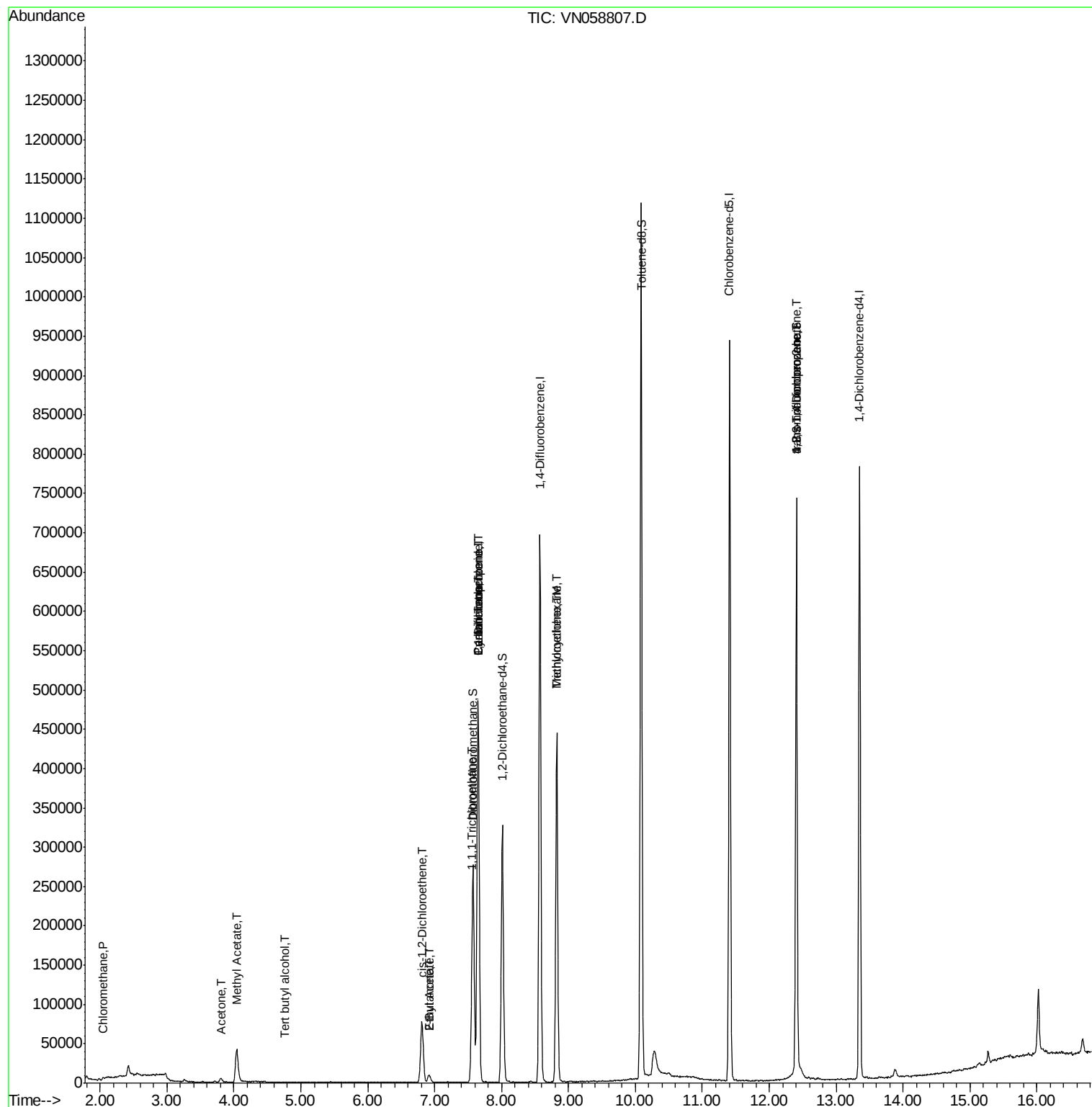
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1373	0.247	ug/l	94
11) Tert butyl alcohol	4.76	59	194	0.228	ug/l #	72
16) Acetone	3.80	43	8857	4.076	ug/l	90
18) Methyl Acetate	4.05	43	16773	3.043	ug/l #	54
25) 2-Butanone	6.91	43	17402	5.540	ug/l #	50
27) cis-1,2-Dichloroethene	6.81	96	50465	10.745	ug/l	83
31) Cyclohexane	7.64	56	9363	1.216	ug/l #	5
32) 1,1,1-Trichloroethane	7.55	97	19727	2.861	ug/l	97
36) 1,1-Dichloropropene	7.65	75	32744	5.473	ug/l #	50
37) Ethyl Acetate	6.91	43	17402	2.876	ug/l #	78
38) Carbon Tetrachloride	7.65	117	37933	6.505	ug/l #	17
39) Methylcyclohexane	8.82	83	2081	0.300	ug/l #	1
44) Trichloroethene	8.82	130	151554	35.515	ug/l	99
76) 1,2,3-Trichloropropane	12.41	75	130681	29.713	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	130681	79.591	ug/l #	11

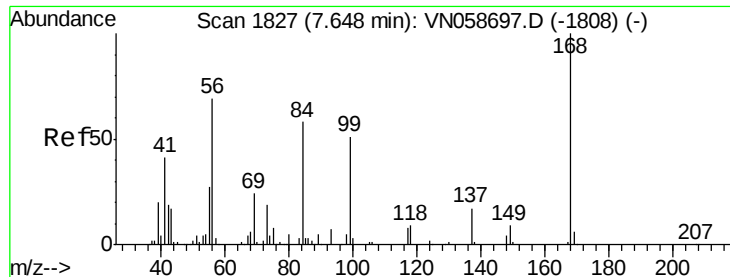
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

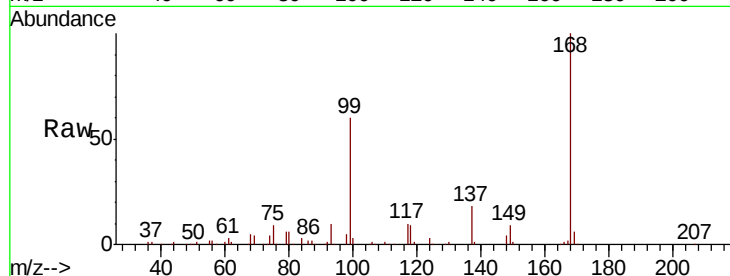
FA19-JBW7345A

Tot Ion:168 Resp: 374932

Ion Ratio Lower Upper

168 100

99 59.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

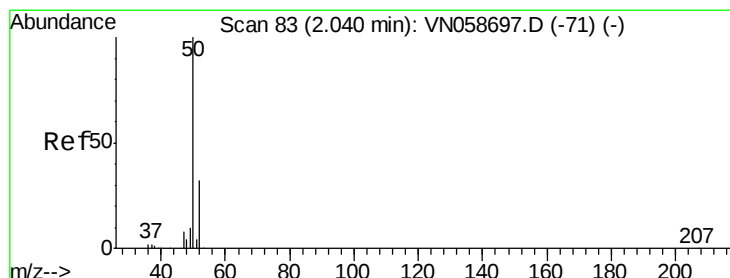
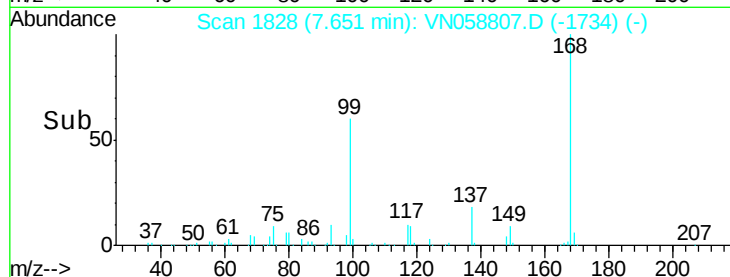
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.247 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058807.D

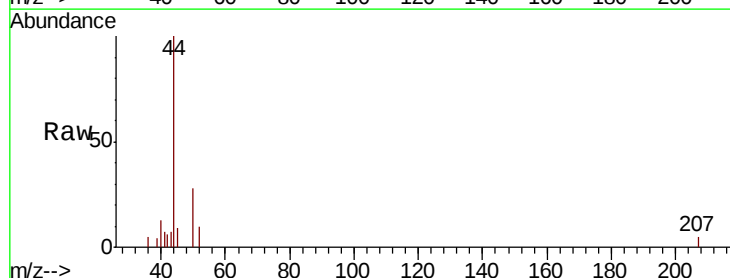
Acq: 16 Oct 2019 17:17

Tgt Ion: 50 Resp: 1373

Ion Ratio Lower Upper

50 100

52 35.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

1000

800

600

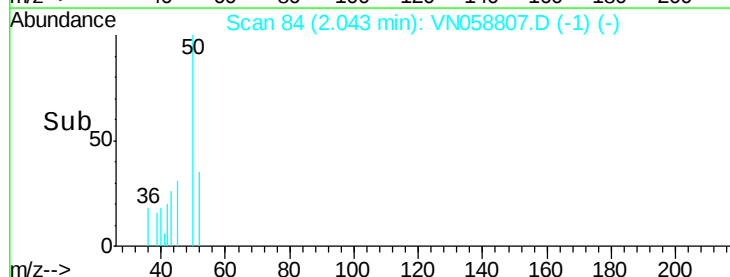
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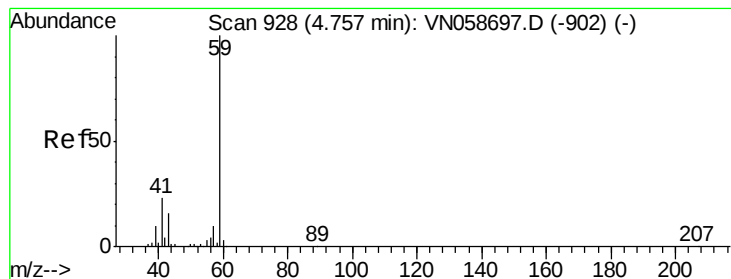
200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#11

Tert butyl alcohol

Concen: 0.228 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

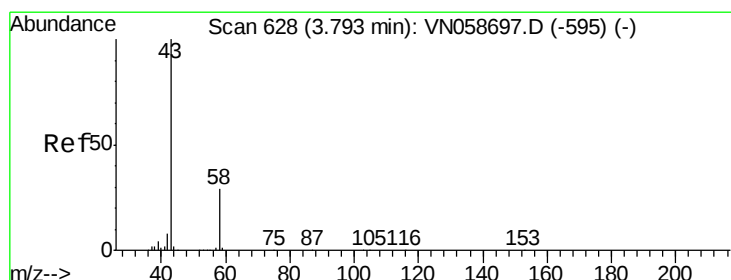
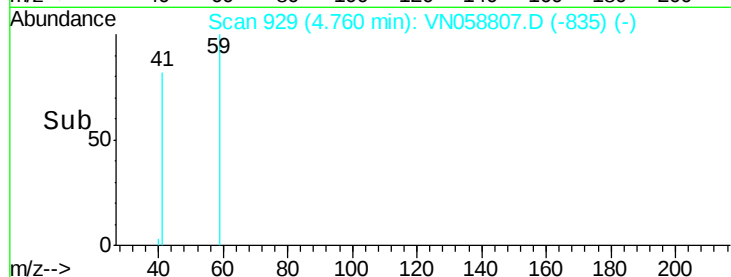
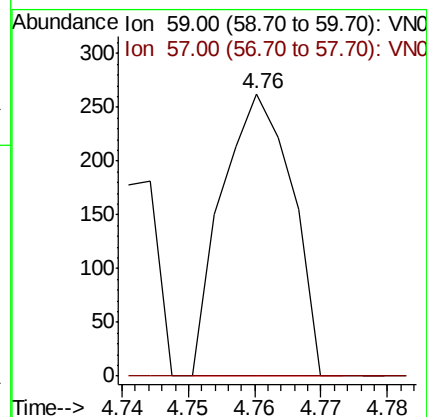
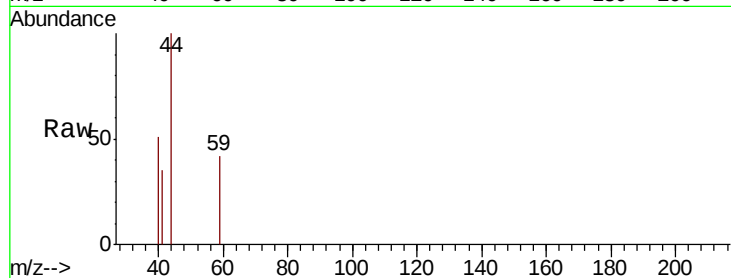
FA19-JBW7345A

Tot Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#16

Acetone

Concen: 4.076 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058807.D

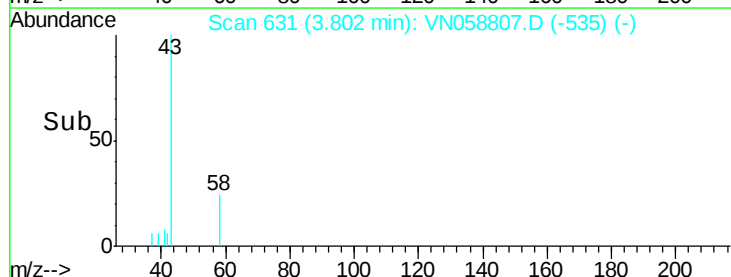
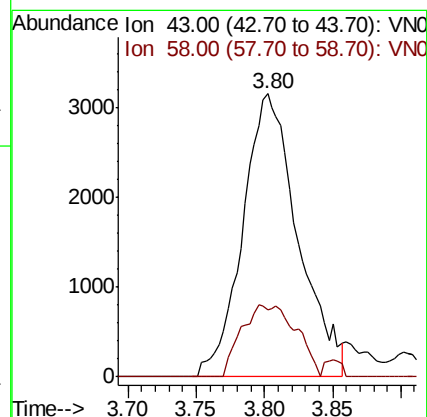
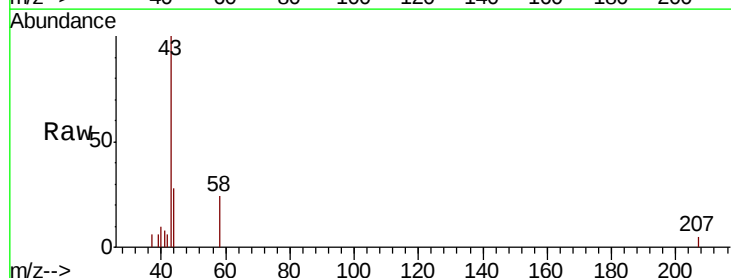
Acq: 16 Oct 2019 17:17

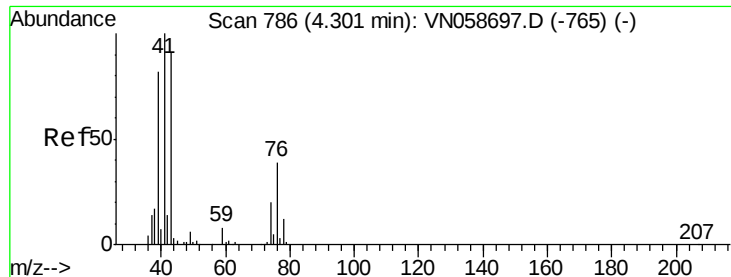
Tgt Ion: 43 Resp: 8857

Ion Ratio Lower Upper

43 100

58 23.7 23.3 34.9

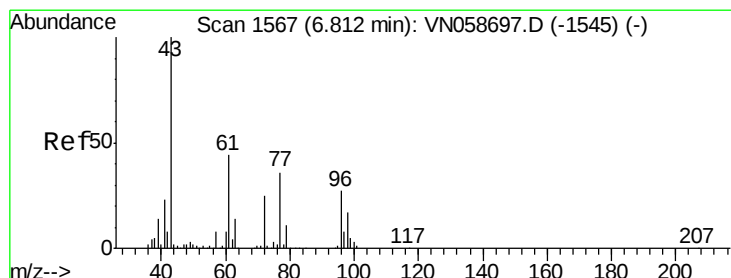
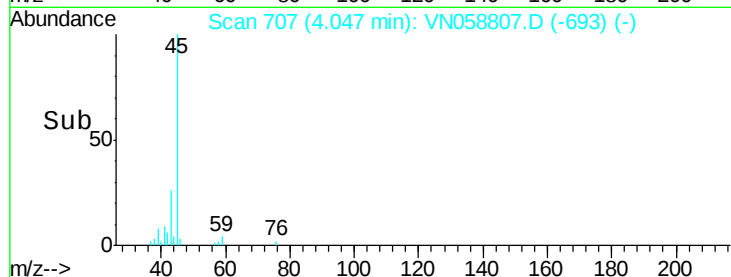
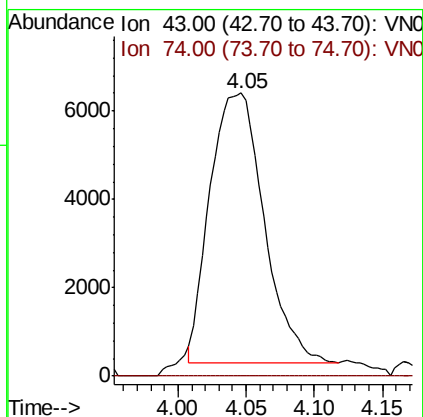
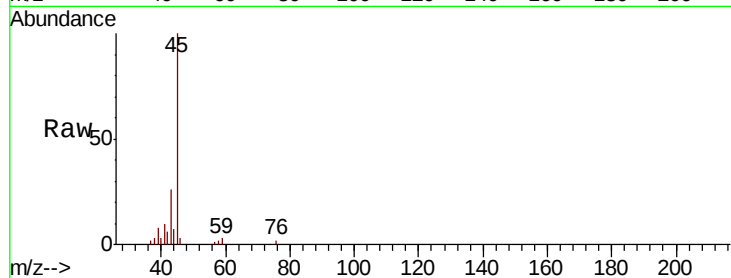




#18
Methyl Acetate
Concen: 3.043 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.25 min
Lab File: VN058807.D
Acq: 16 Oct 2019 17:17

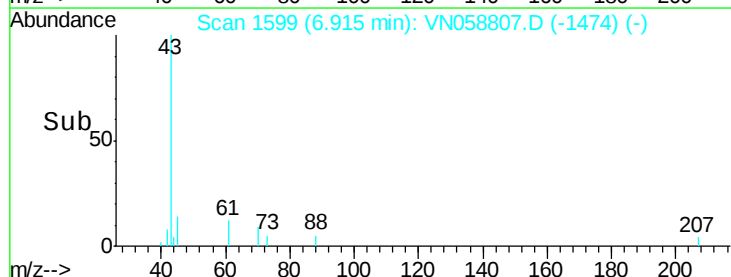
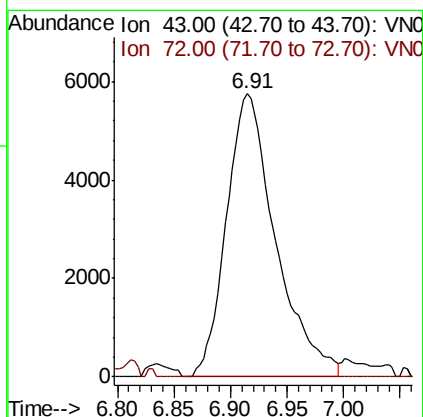
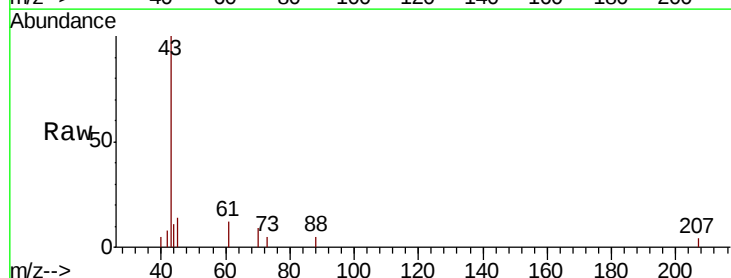
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7345A

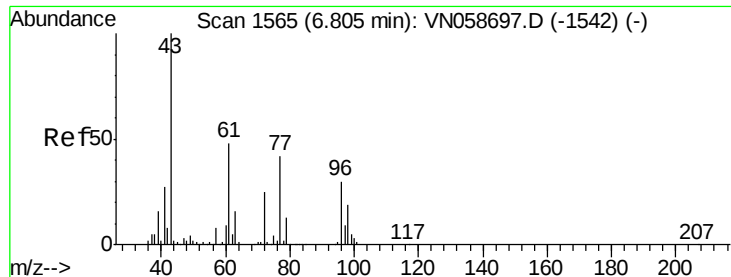
Tot Ion: 43 Resp: 16773
Ion Ratio Lower Upper
43 100
74 0.0 17.2 25.8#



#25
2-Butanone
Concen: 5.540 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.10 min
Lab File: VN058807.D
Acq: 16 Oct 2019 17:17

Tgt Ion: 43 Resp: 17402
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#27

cis-1,2-Dichloroethene

Concen: 10.745 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7345A

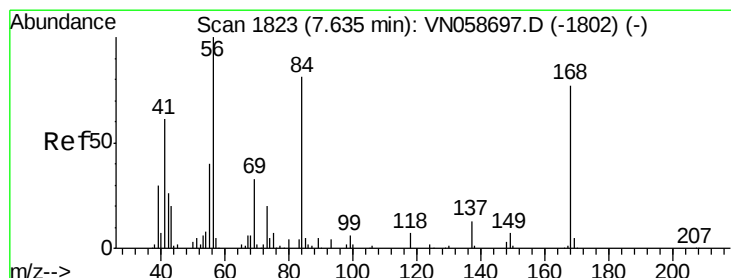
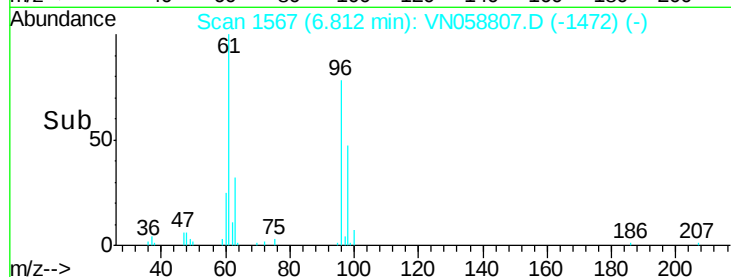
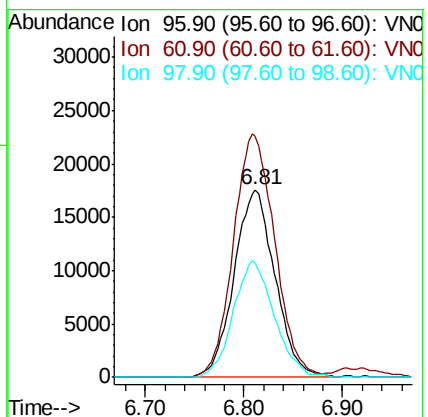
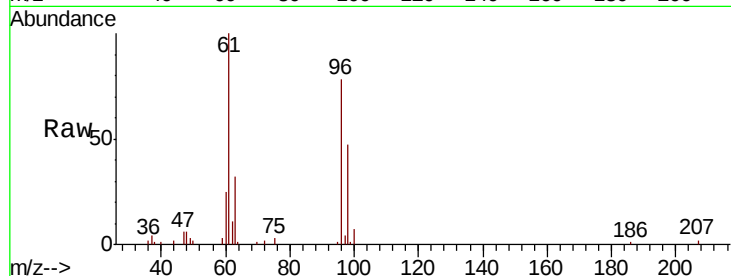
Tot Ion: 96 Resp: 50465

Ion Ratio Lower Upper

96 100

61 131.4 0.0 324.8

98 62.3 0.0 129.2



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

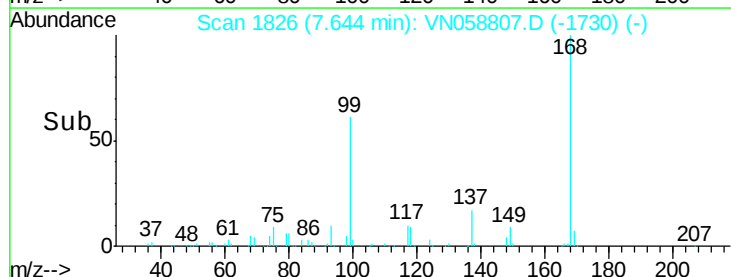
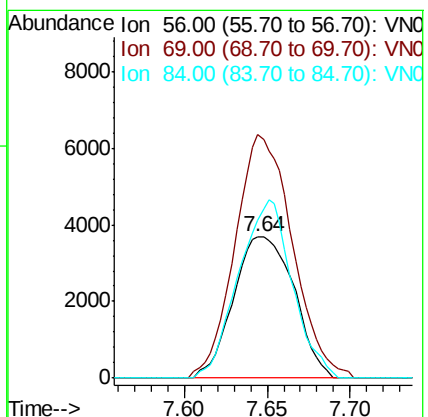
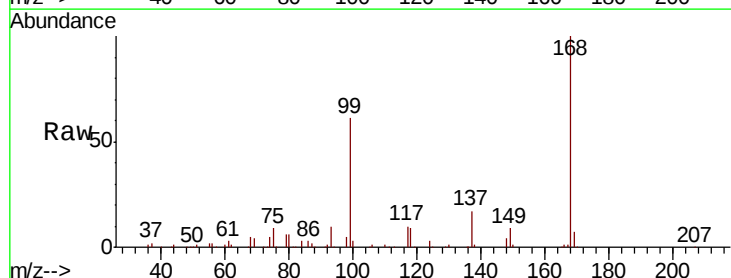
Tgt Ion: 56 Resp: 9363

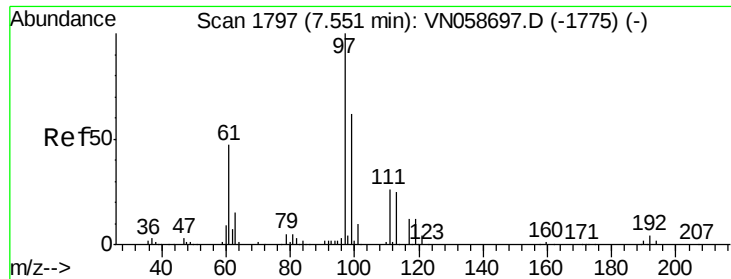
Ion Ratio Lower Upper

56 100

69 171.7 26.2 39.4#

84 111.5 64.9 97.3#

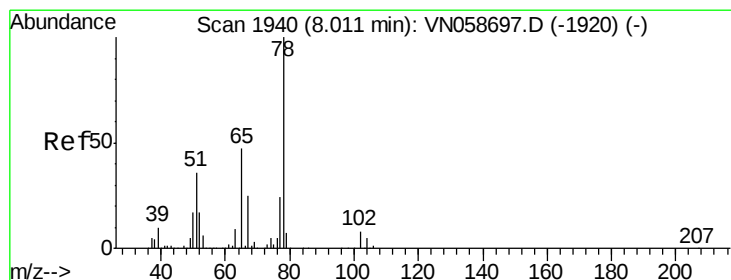
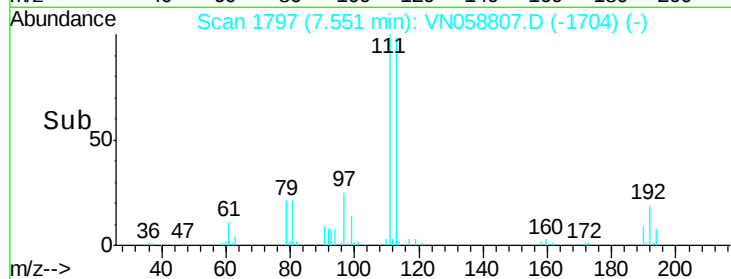
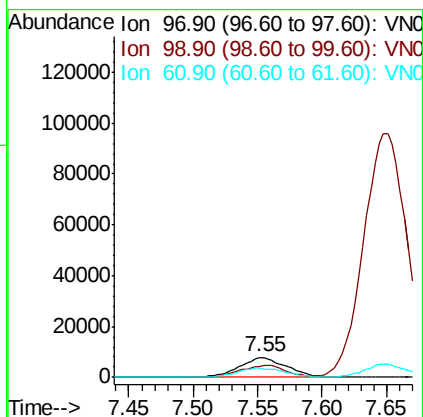
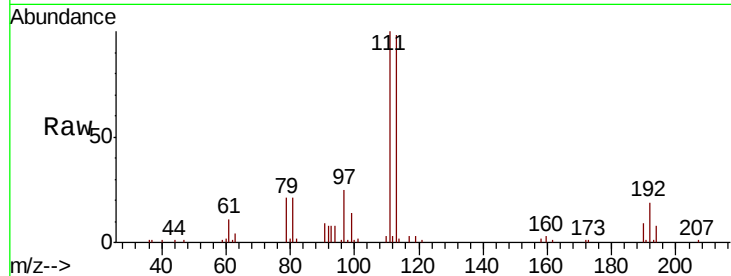




#32
 1,1,1-Trichloroethane
 Concen: 2.861 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058807.D
 Acq: 16 Oct 2019 17:17

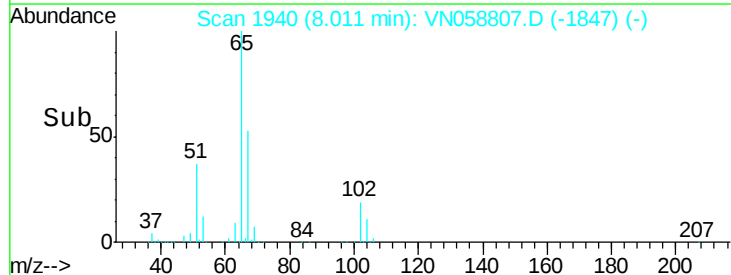
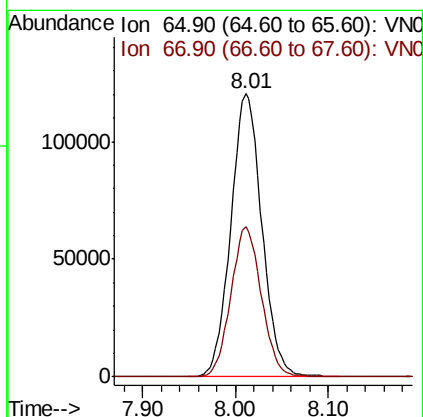
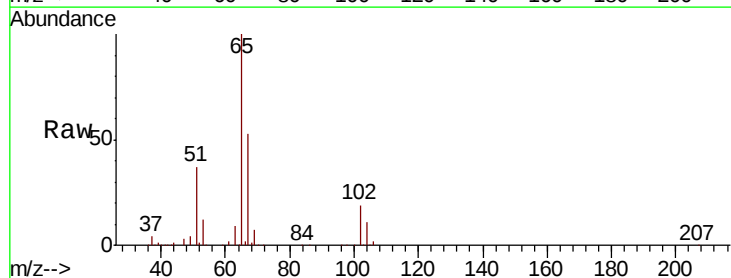
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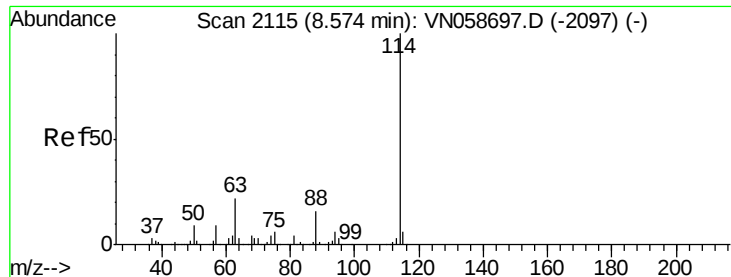
Tot Ion	Ratio	Lower	Upper
97	100		
99	60.2	50.8	76.2
61	48.5	38.1	57.1



#33
 1,2-Dichloroethane-d4
 Concen: 53.324 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058807.D
 Acq: 16 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.8

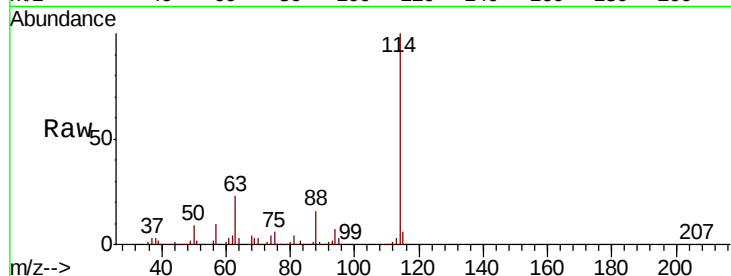




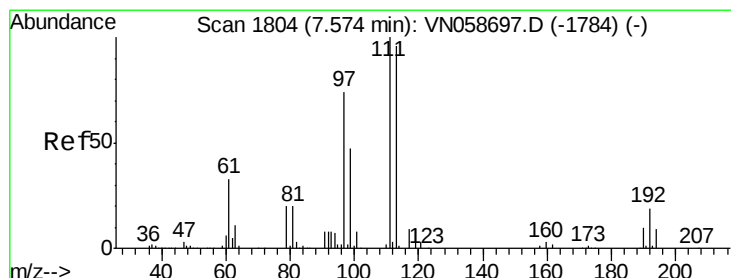
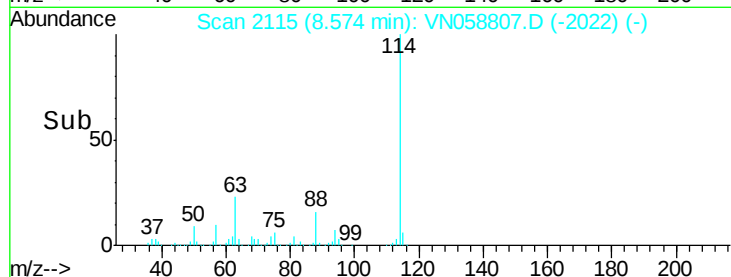
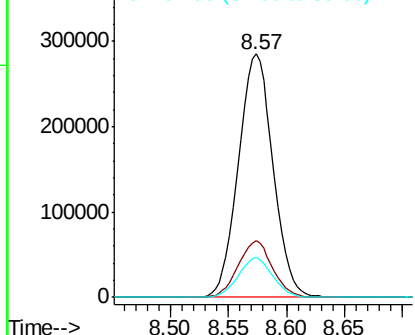
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058807.D
 Acq: 16 Oct 2019 17:17

Instrument :
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 FA19-JBW7345A

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	43.8
88	16.2	0.0	32.0

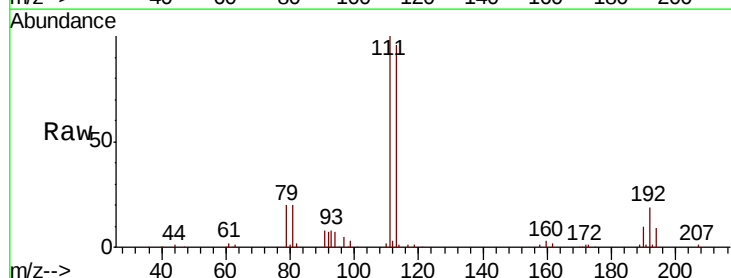


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

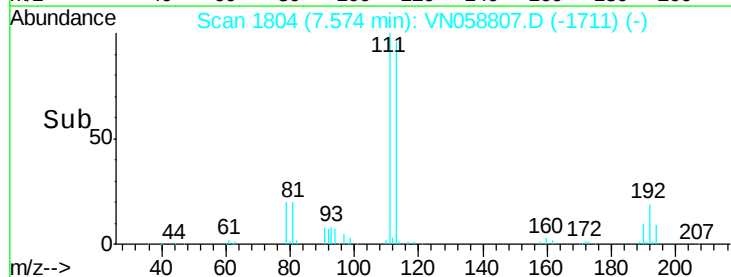
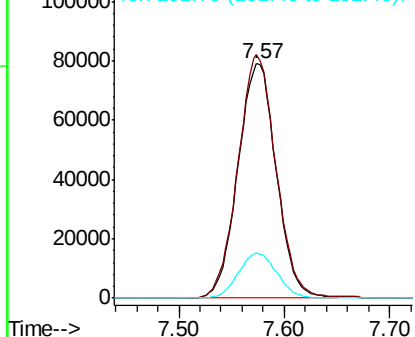


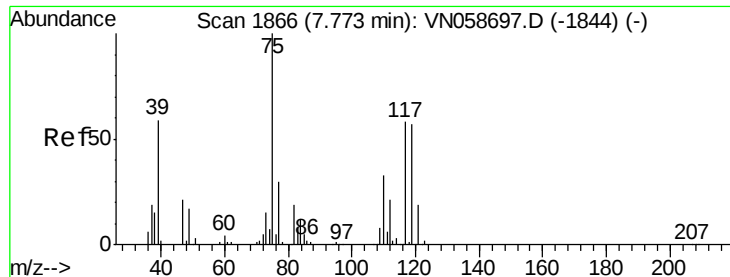
#35
 Dibromofluoromethane
 Concen: 54.504 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058807.D
 Acq: 16 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.3	123.5
192	19.3	15.0	22.6



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

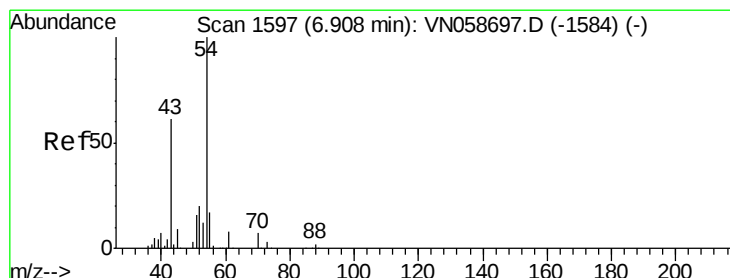
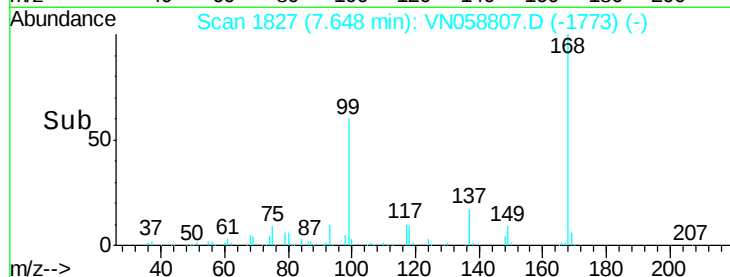
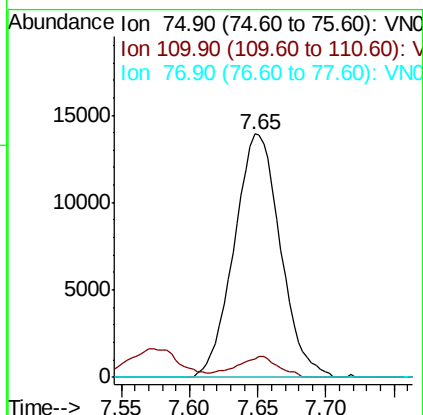
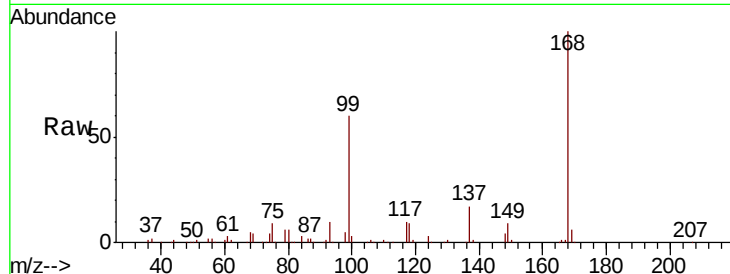




#36
 1,1-Dichloropropene
 Concen: 5.473 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058807.D
 Acq: 16 Oct 2019 17:17

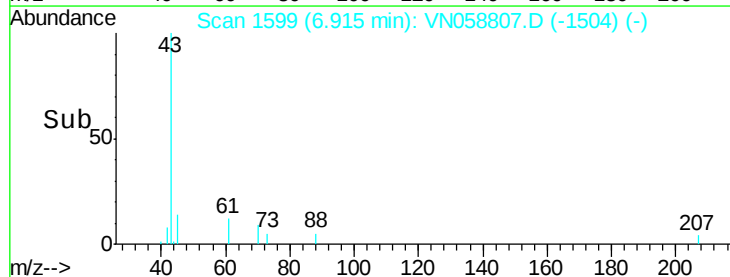
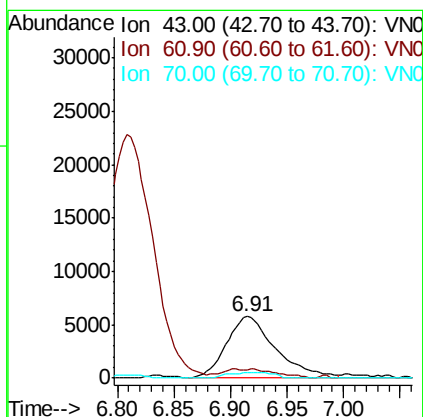
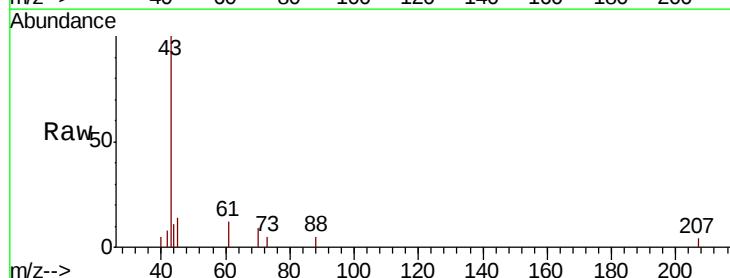
Instrument :
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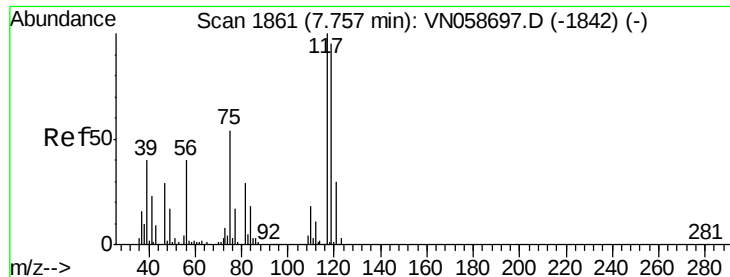
Tot Ion	75	Resp	32744
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.6	49.8#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 2.876 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058807.D
 Acq: 16 Oct 2019 17:17

Tgt Ion	43	Resp	17402
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.3	16.9#
70	8.2	7.2	10.8





#38

Carbon Tetrachloride

Concen: 6.505 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7345A

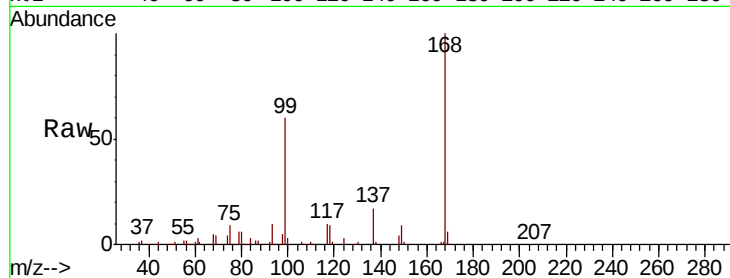
Tot Ion:117 Resp: 37933

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

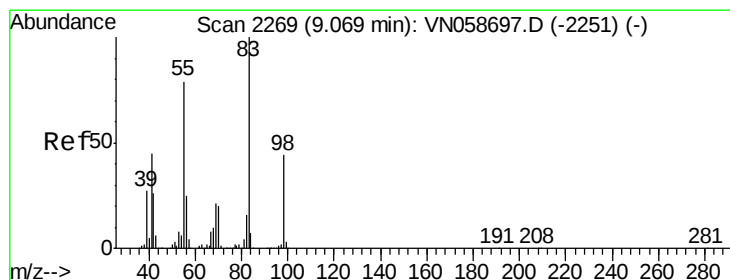
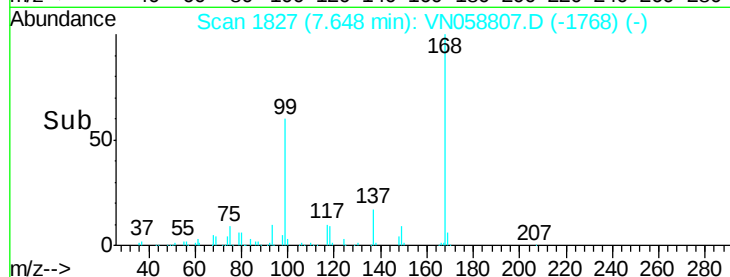
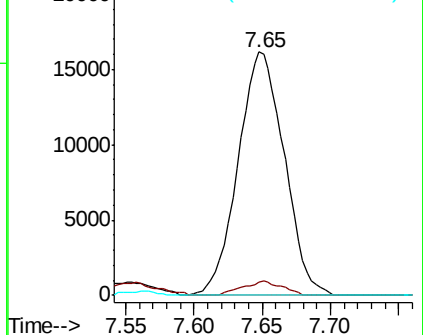
121 0.0 23.9 35.9#



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



#39

Methylcyclohexane

Concen: 0.300 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.25 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

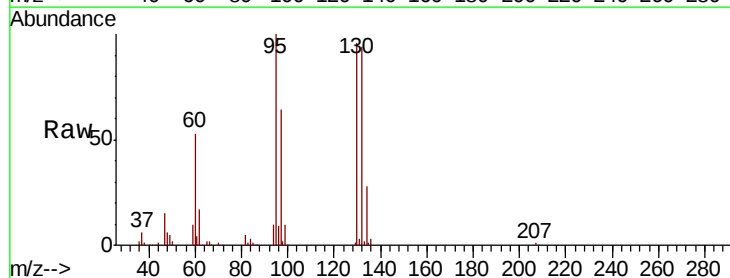
Tgt Ion: 83 Resp: 2081

Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.0#

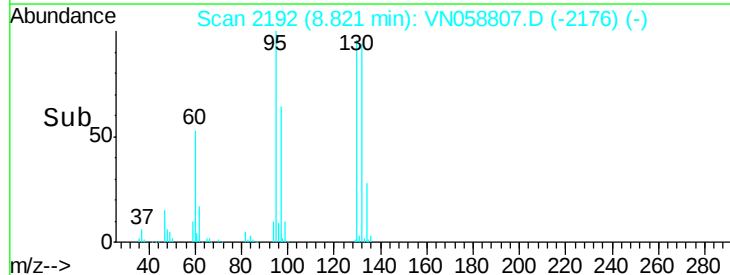
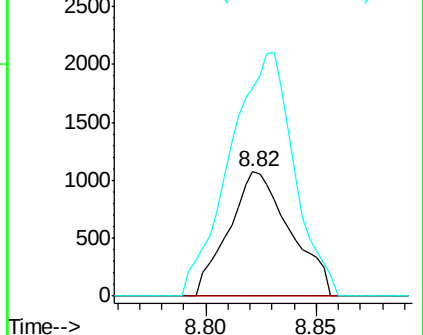
98 166.9 35.1 52.7#

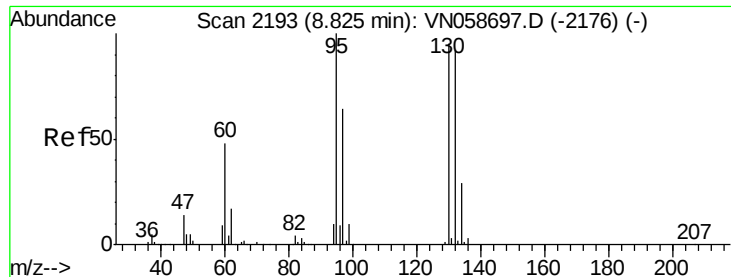


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 35.515 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

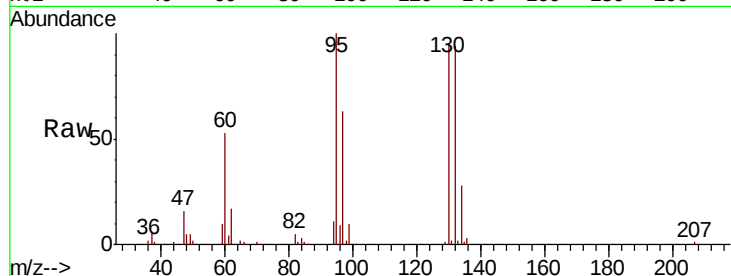
FA19-JBW7345A

Tot Ion:130 Resp: 151554

Ion Ratio Lower Upper

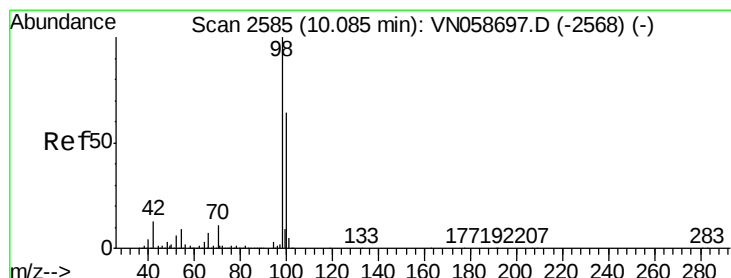
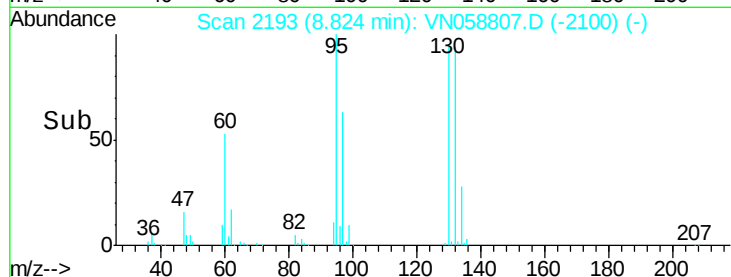
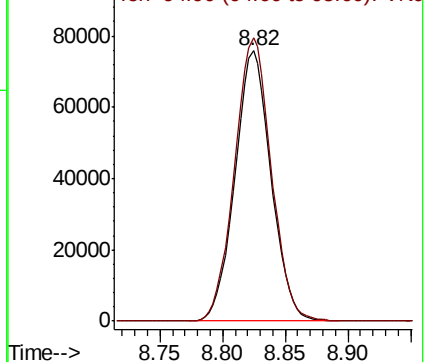
130 100

95 104.7 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 51.527 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058807.D

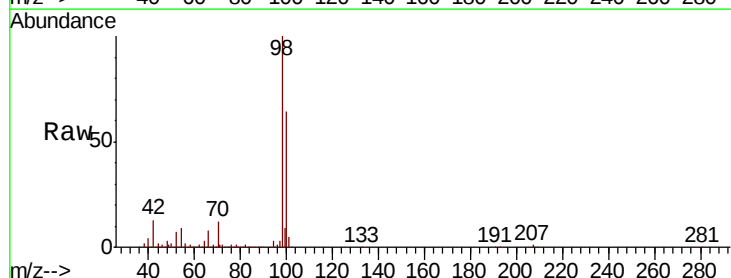
Acq: 16 Oct 2019 17:17

Tgt Ion: 98 Resp: 753171

Ion Ratio Lower Upper

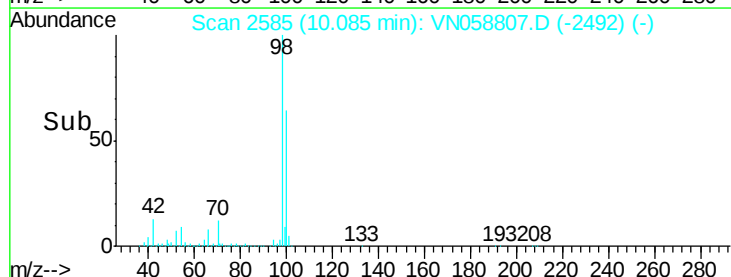
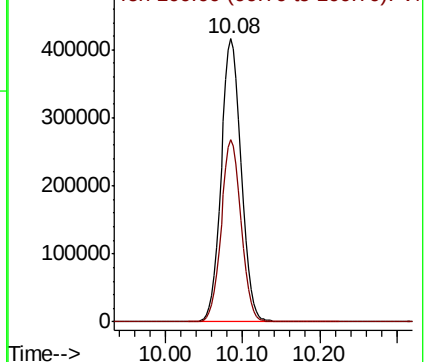
98 100

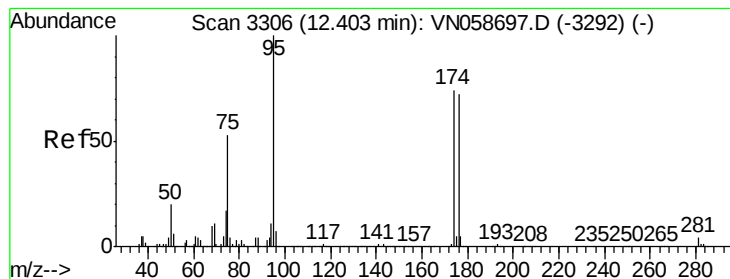
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 43.470 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7345A

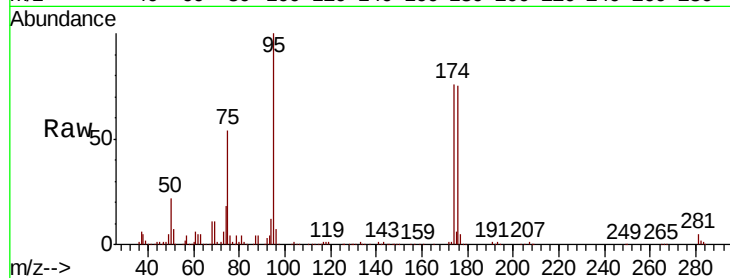
Tot Ion: 95 Resp: 240522

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.4

176 73.8 0.0 146.8

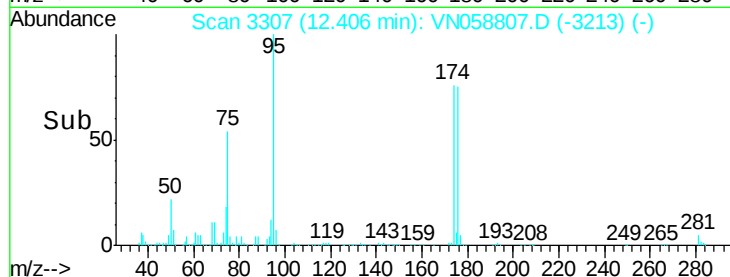


Abundance Ion 94.90 (94.60 to 95.60): VN058807.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058807.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058807.D (-3292) (-)

Time--> 12.30 12.40 12.50

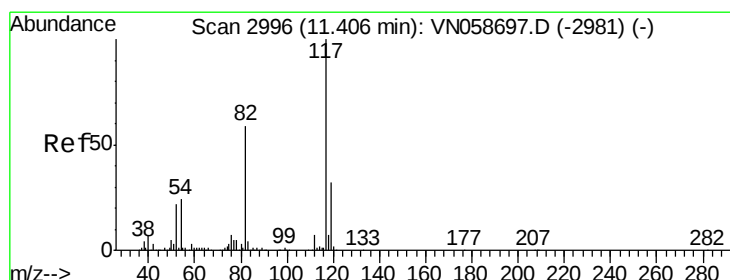


Abundance Ion 94.90 (94.60 to 95.60): VN058807.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058807.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058807.D (-3213) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

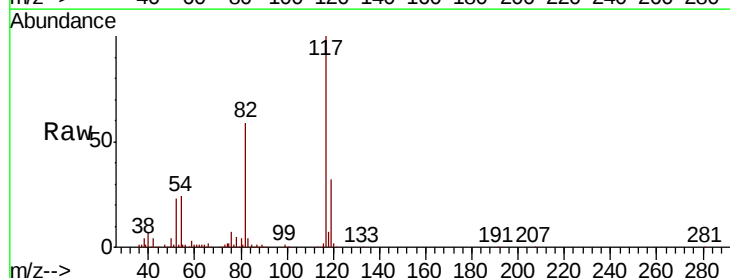
Tgt Ion: 117 Resp: 519599

Ion Ratio Lower Upper

117 100

82 59.3 47.0 70.4

119 32.1 25.4 38.2

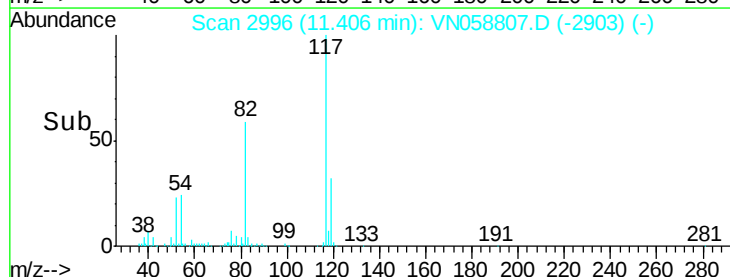


Abundance Ion 116.90 (116.60 to 117.60): VN058807.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058807.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058807.D (-2981) (-)

Time--> 11.30 11.40 11.50

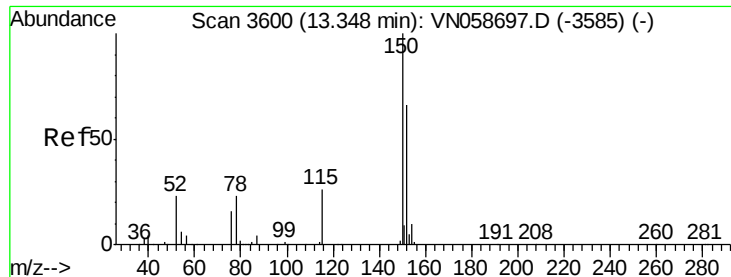


Abundance Ion 116.90 (116.60 to 117.60): VN058807.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058807.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058807.D (-2903) (-)

Time--> 11.30 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7345A

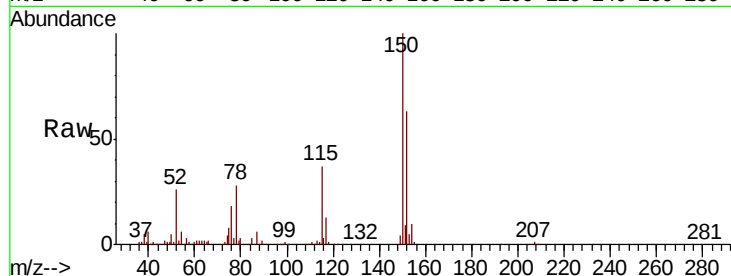
Tot Ion:152 Resp: 200485

Ion Ratio Lower Upper

152 100

115 59.8 30.4 91.2

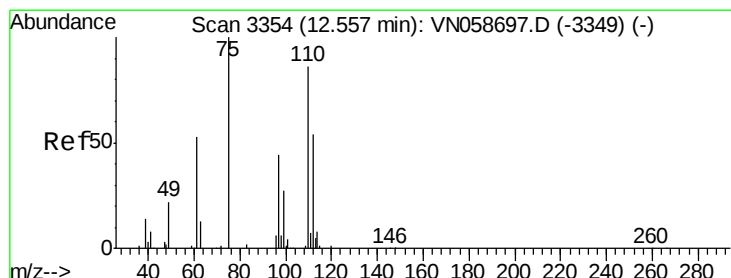
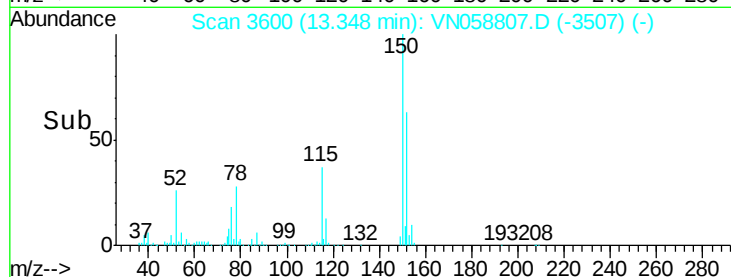
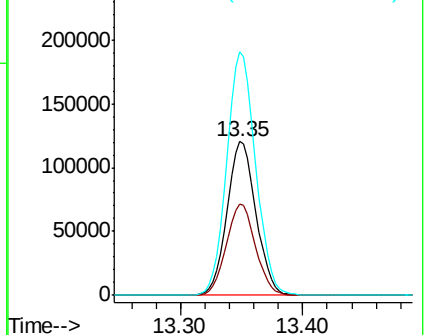
150 158.0 0.0 345.4



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: 29.713 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058807.D

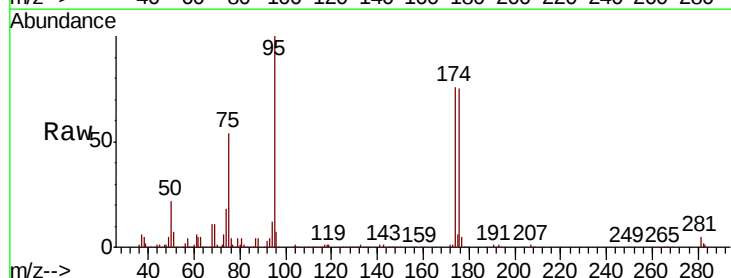
Acq: 16 Oct 2019 17:17

Tgt Ion: 75 Resp: 130681

Ion Ratio Lower Upper

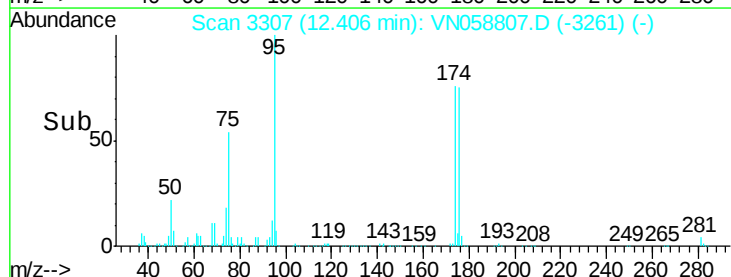
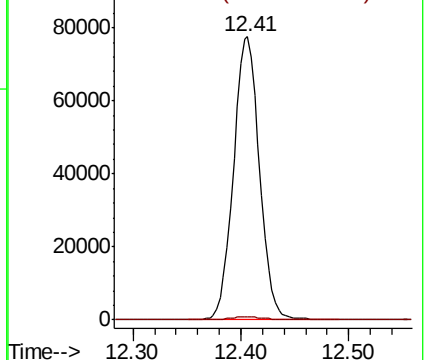
75 100

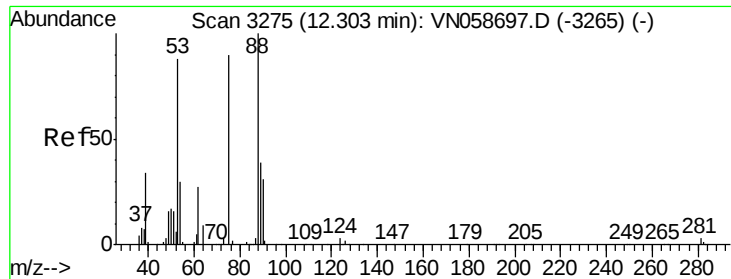
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.591 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058807.D

Acq: 16 Oct 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7345A

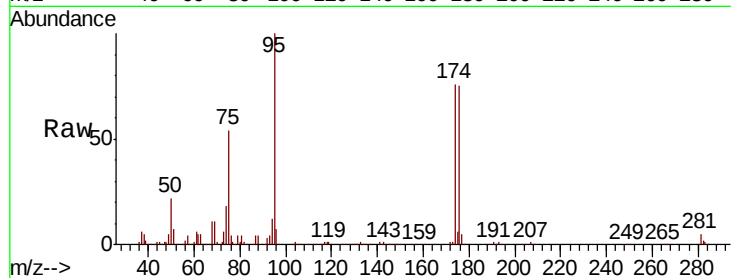
Tot Ion: 75 Resp: 130681

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



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

