

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058805.D
 Acq On : 16 Oct 2019 16:33
 Operator : JC/SP
 Sample : K5399-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

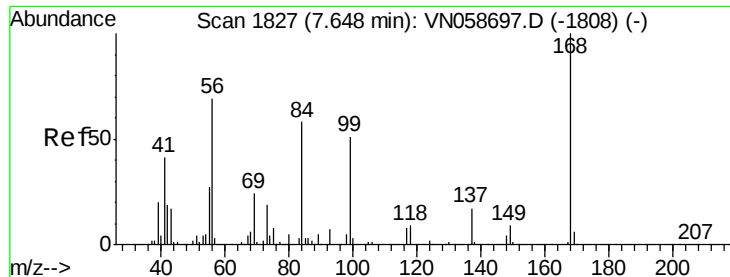
Quant Time: Oct 17 01:34:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	387080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	214620	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	298137	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	7.57	113	209403	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
50) Toluene-d8	10.09	98	796154	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.41	95	258769	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1401	0.244	ug/l #	84
4) Vinyl Chloride	2.17	62	1770	0.310	ug/l	96
16) Acetone	3.80	43	1239	0.552	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	1835	0.378	ug/l #	37
31) Cyclohexane	7.65	56	8919	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32630	5.197	ug/l #	50
38) Carbon Tetrachloride	7.65	117	38735	6.331	ug/l #	16
44) Trichloroethene	8.83	130	1425	0.318	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	4088	0.673	ug/l #	1
60) Dibromochloromethane	10.62	129	2270	0.488	ug/l #	11
64) Tetrachloroethene	10.63	164	2514	0.655	ug/l	86
76) 1,2,3-Trichloropropane	12.41	75	139839	29.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	139839	79.559	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

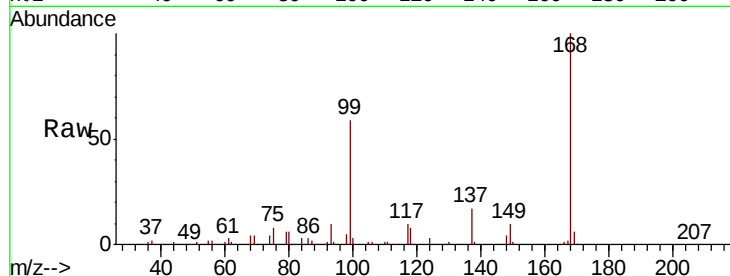
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 387080

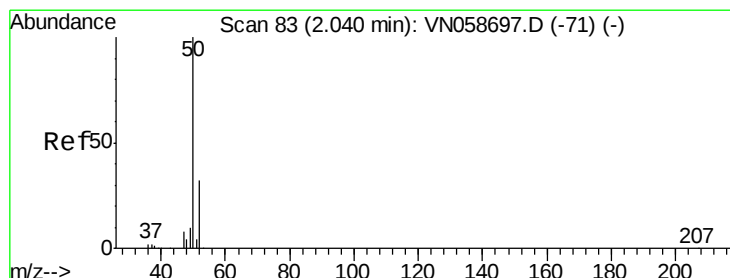
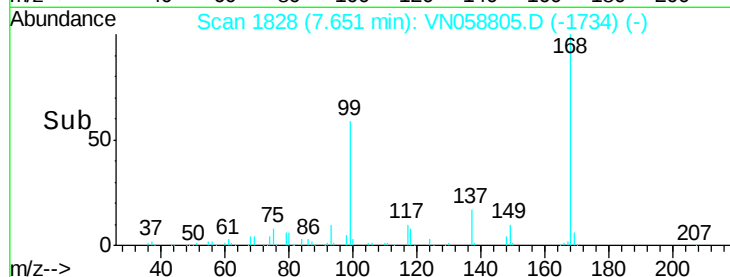
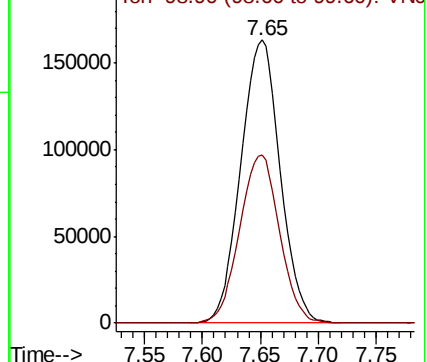
Ion Ratio Lower Upper

168 100

99 59.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.244 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058805.D

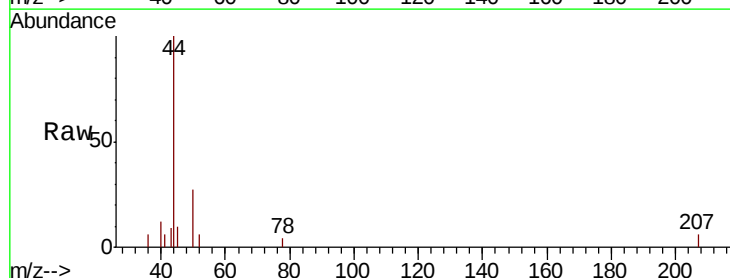
Acq: 16 Oct 2019 16:33

Tgt Ion: 50 Resp: 1401

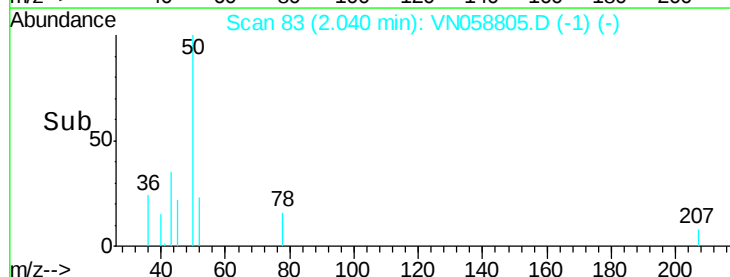
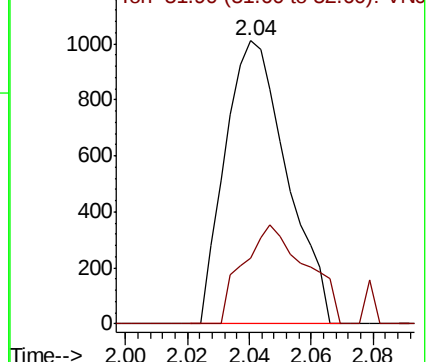
Ion Ratio Lower Upper

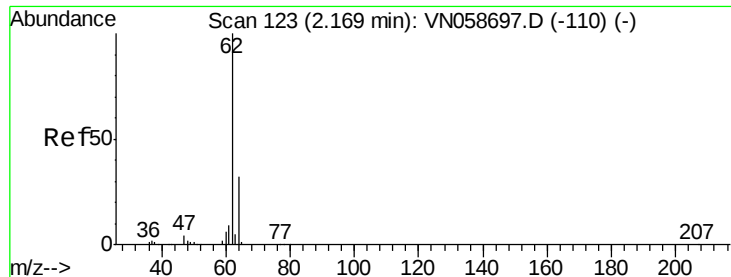
50 100

52 23.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 0.310 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :

MSVOA_N

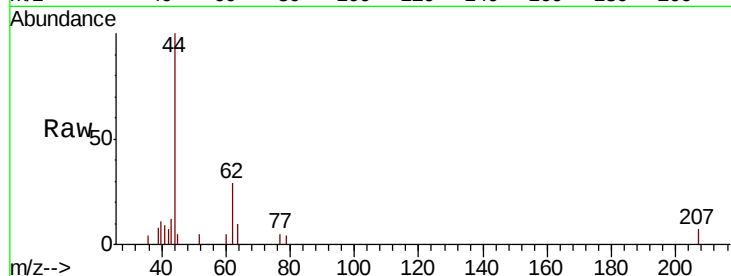
ClientSampled :

Tot Ion: 62 Resp: 1770

Ion Ratio Lower Upper

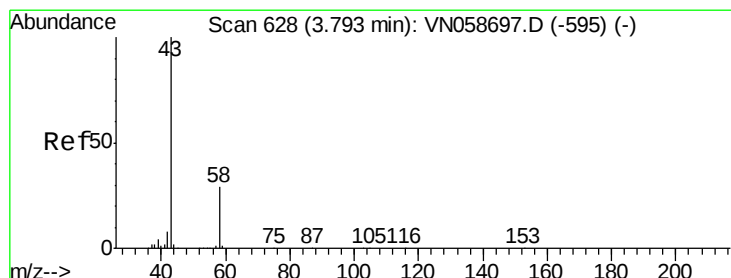
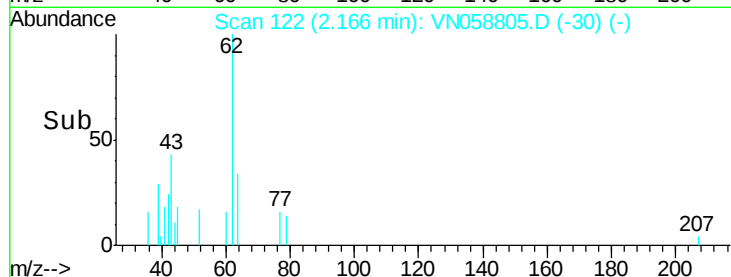
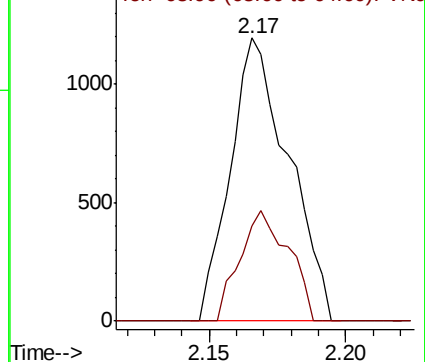
62 100

64 33.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#16

Acetone

Concen: 0.552 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058805.D

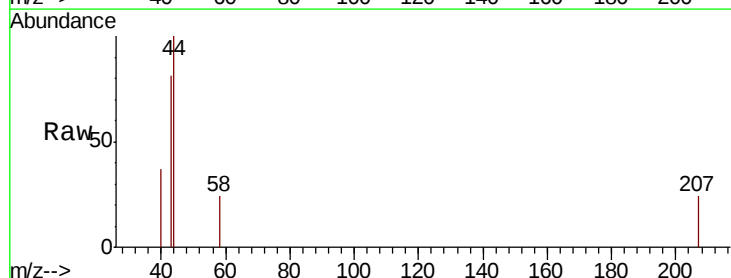
Acq: 16 Oct 2019 16:33

Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

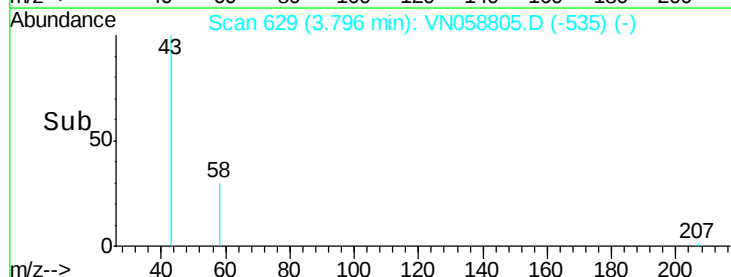
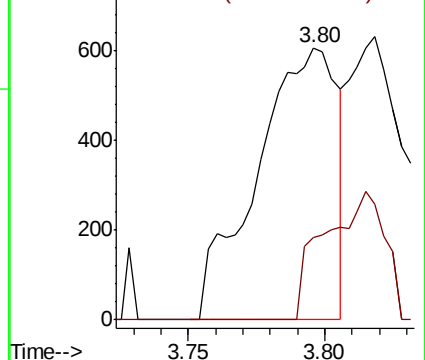
43 100

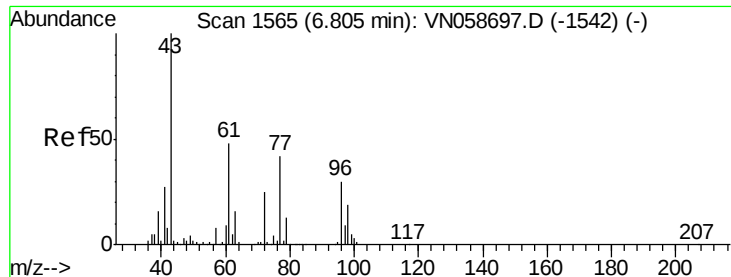
58 30.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.378 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :
MSVOA_N
ClientSampleId :

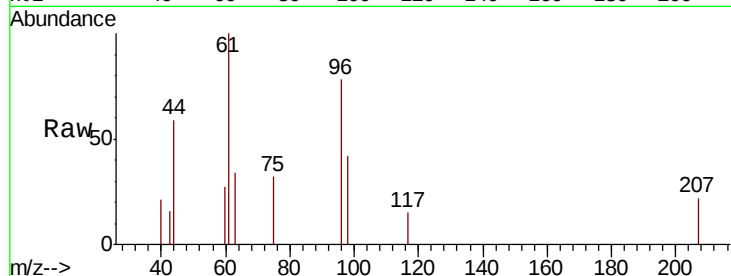
Tot Ion: 96 Resp: 1835

Ion Ratio Lower Upper

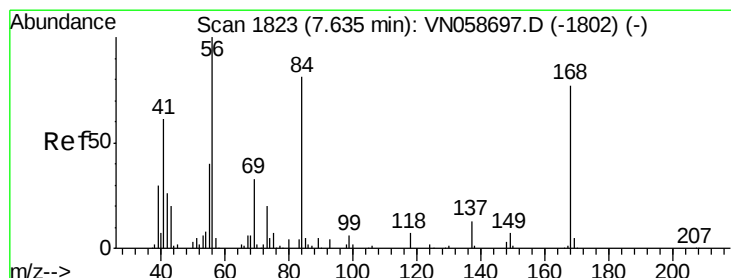
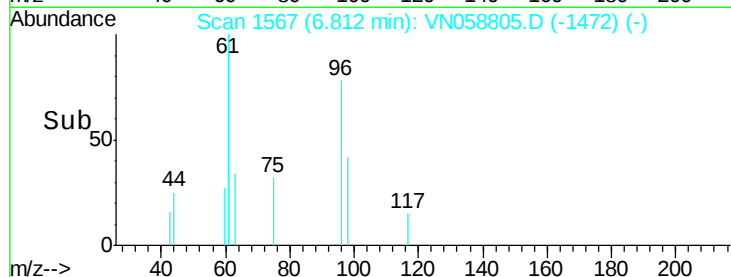
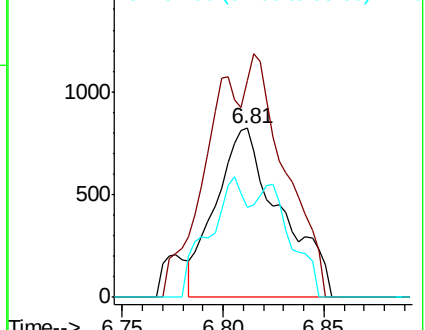
96 100

61 88.3 0.0 324.8

98 0.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

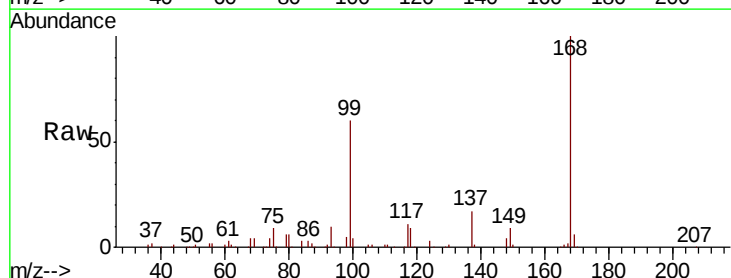
Tgt Ion: 56 Resp: 8919

Ion Ratio Lower Upper

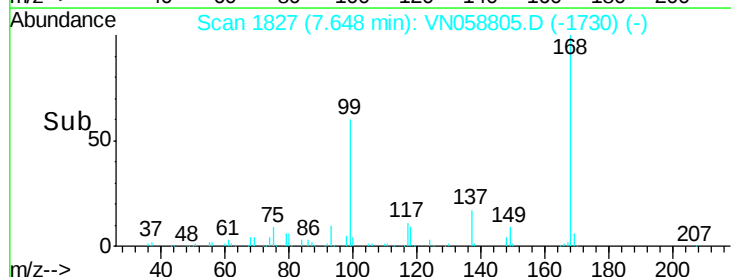
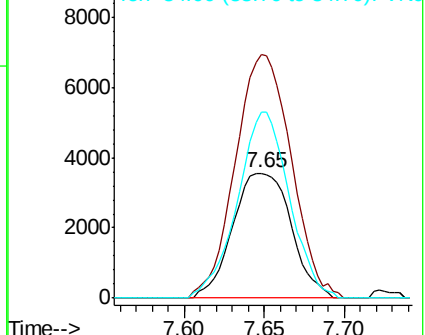
56 100

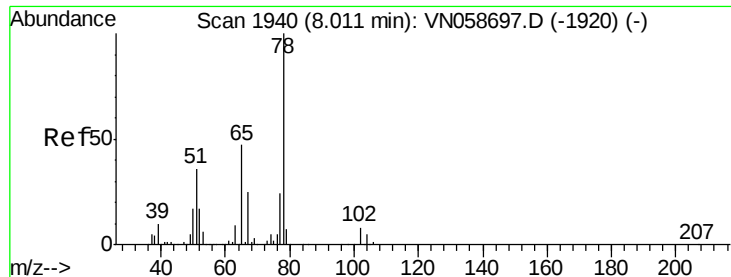
69 194.7 26.2 39.4#

84 149.0 64.9 97.3#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

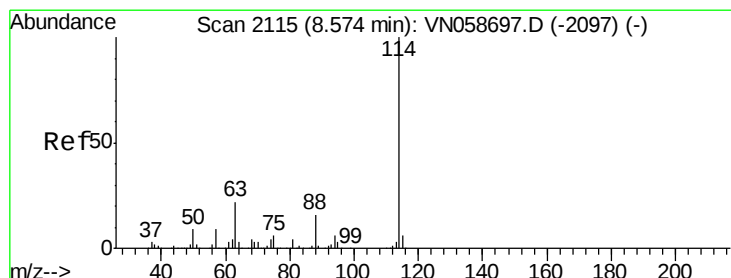
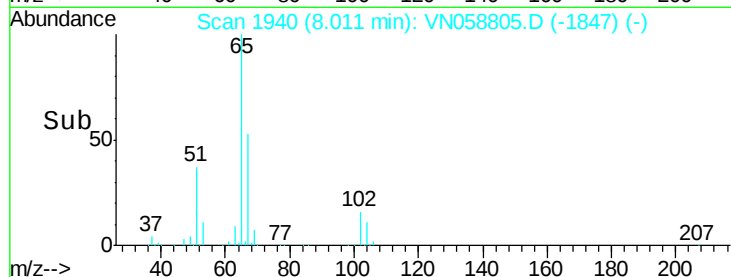
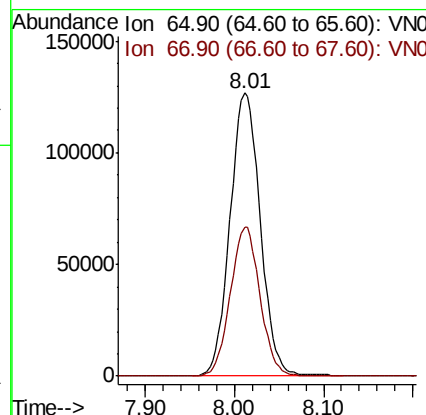
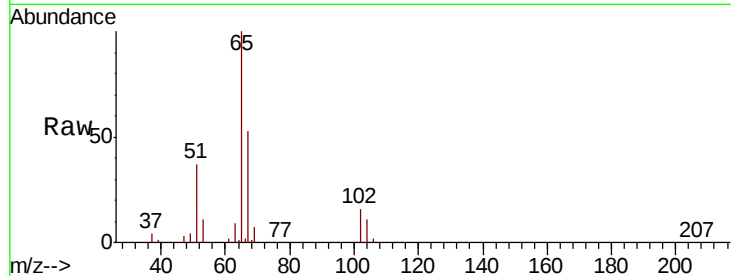




#33
 1,2-Dichloroethane-d4
 Concen: 55.016 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058805.D
 Acq: 16 Oct 2019 16:33

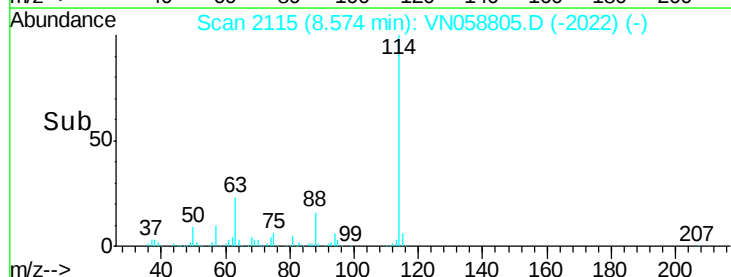
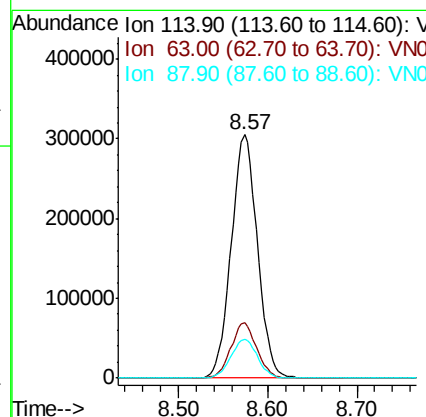
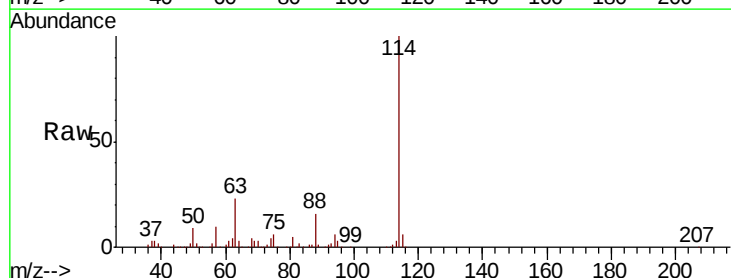
Instrument :
 MSVOA_N
 ClientSampleId :

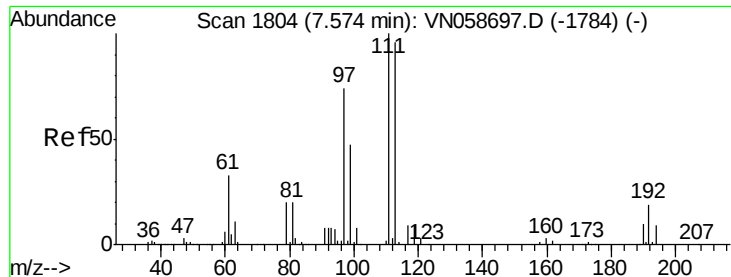
Tot Ion: 65 Resp: 298137
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058805.D
 Acq: 16 Oct 2019 16:33

Tgt Ion: 114 Resp: 620935
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.0 0.0 32.0

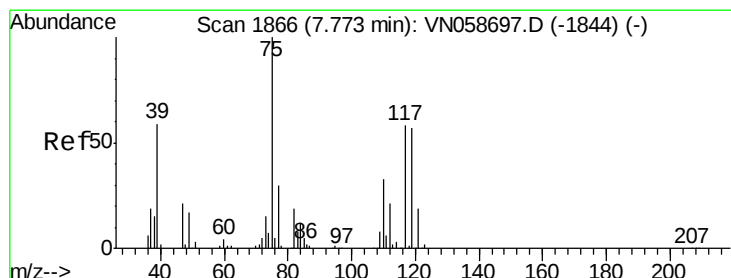
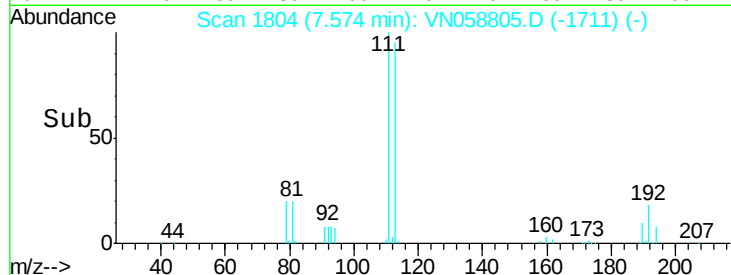
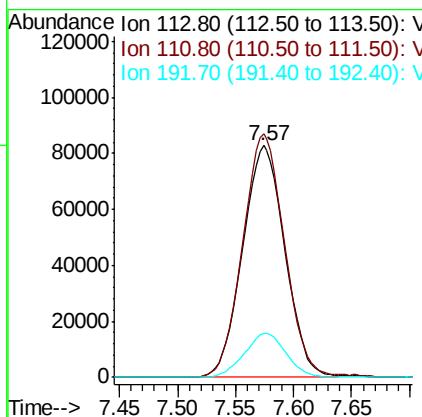
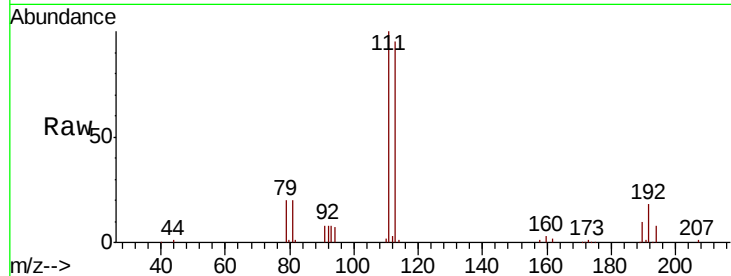




#35
 Dibromofluoromethane
 Concen: 54.598 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058805.D
 Acq: 16 Oct 2019 16:33

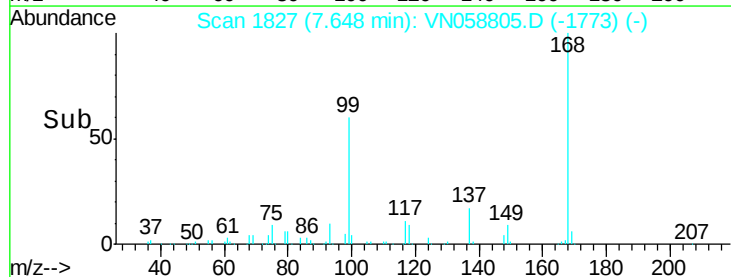
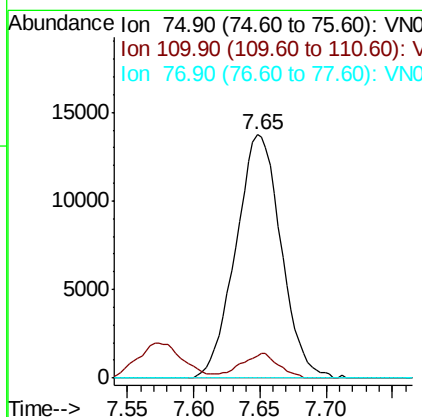
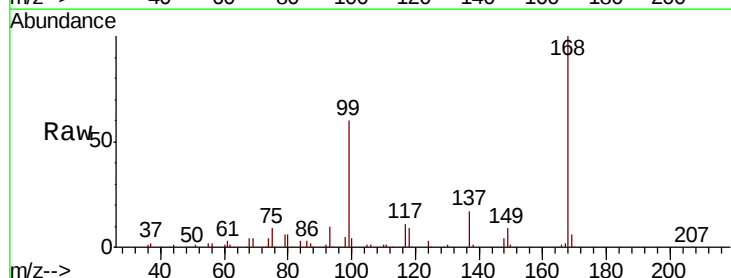
Instrument :
 MSVOA_N
 ClientSampled :

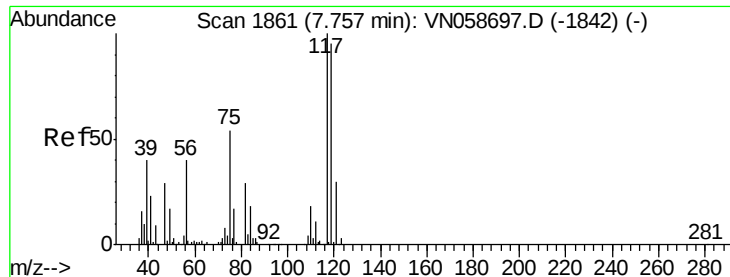
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.3	123.5
192	18.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058805.D
 Acq: 16 Oct 2019 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.6	49.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.331 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :

MSVOA_N

ClientSampled :

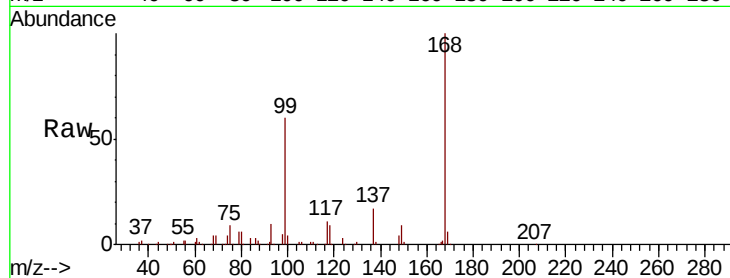
Tot Ion:117 Resp: 38735

Ion Ratio Lower Upper

117 100

119 4.3 75.7 113.5#

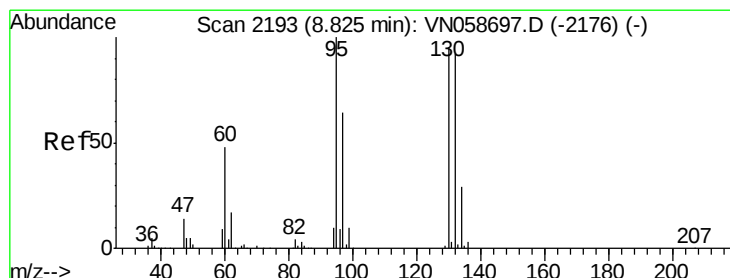
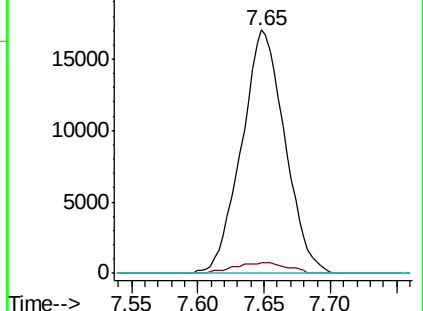
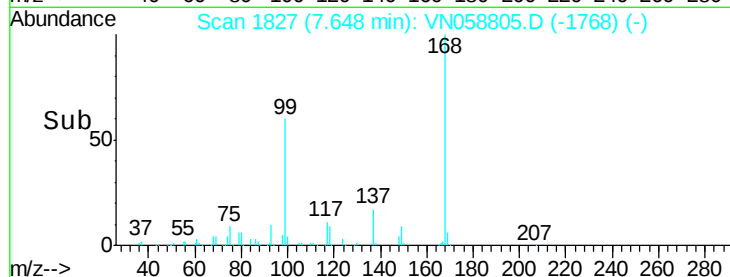
121 0.0 23.9 35.9#



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



#44

Trichloroethene

Concen: 0.318 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058805.D

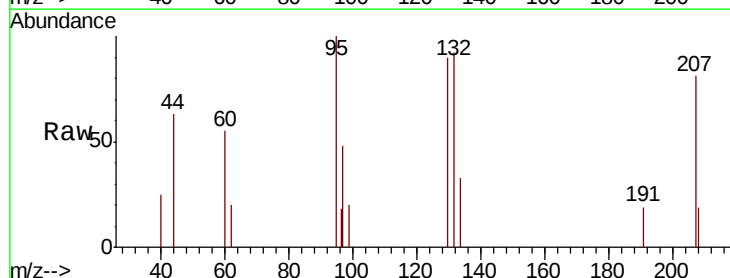
Acq: 16 Oct 2019 16:33

Tgt Ion:130 Resp: 1425

Ion Ratio Lower Upper

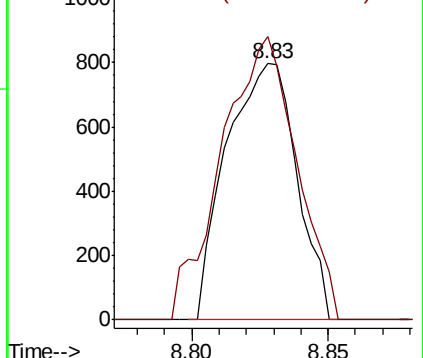
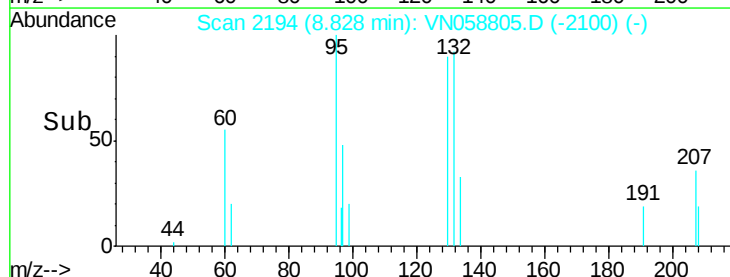
130 100

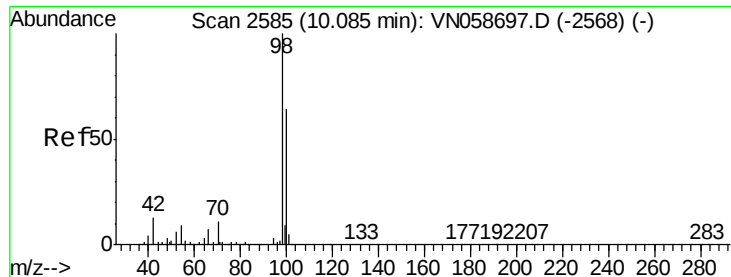
95 110.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.910 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :

MSVOA_N

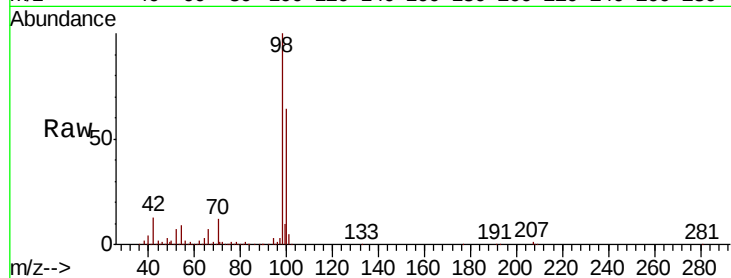
ClientSampled :

Tot Ion: 98 Resp: 796154

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

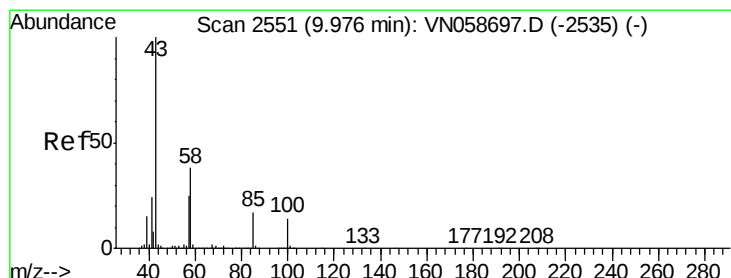
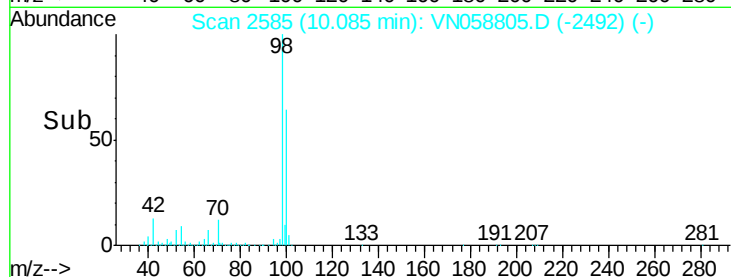
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.673 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.11 min

Lab File: VN058805.D

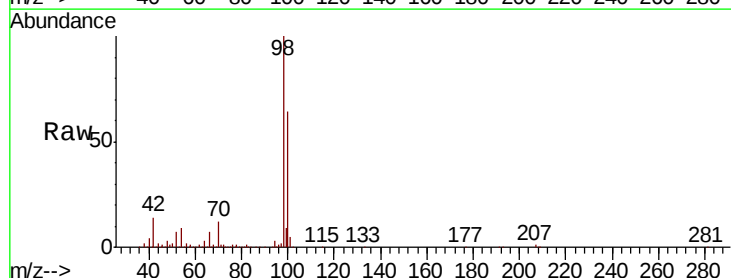
Acq: 16 Oct 2019 16:33

Tgt Ion: 43 Resp: 4088

Ion Ratio Lower Upper

43 100

58 182.2 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

4000

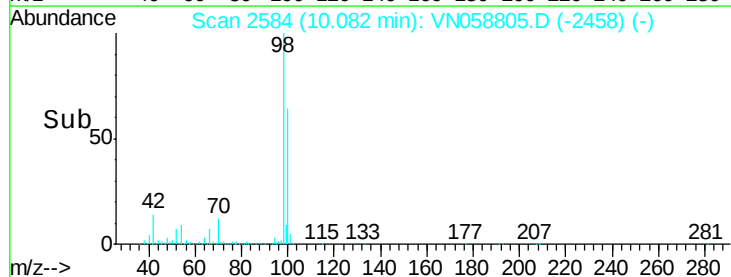
3000

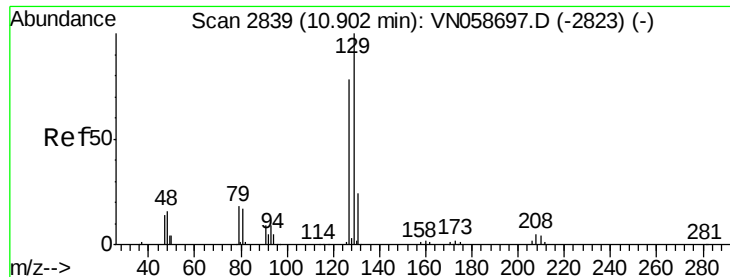
2000

1000

0

Time-->





#60

Dibromochloromethane

Concen: 0.488 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.28 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :

MSVOA_N

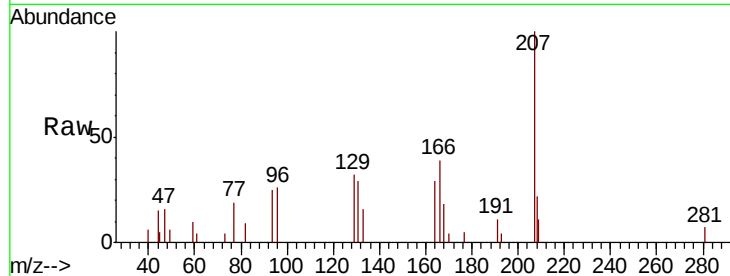
ClientSampled :

Tot Ion:129 Resp: 2270

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

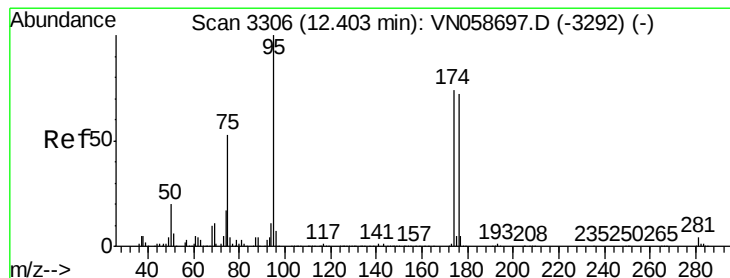
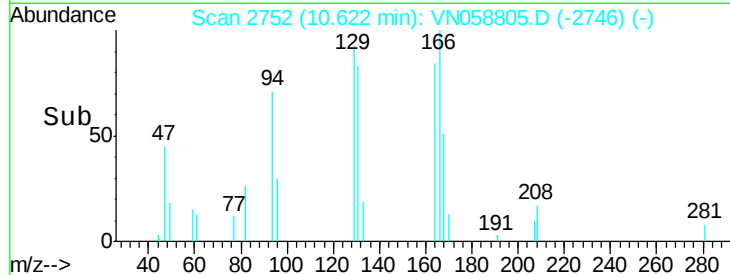
10.62

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.573 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

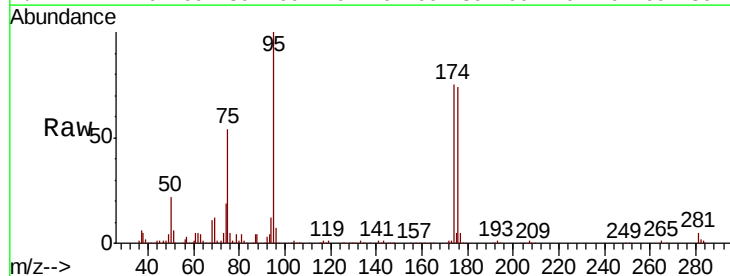
Tgt Ion: 95 Resp: 258769

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.4

176 73.5 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

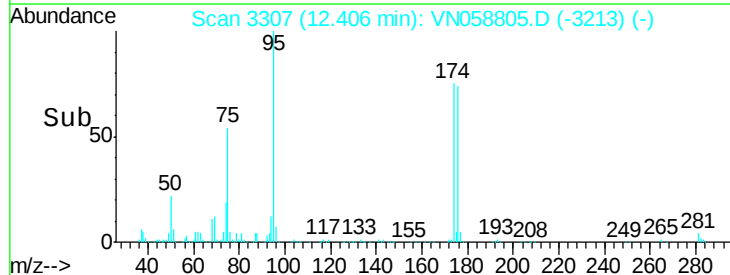
150000

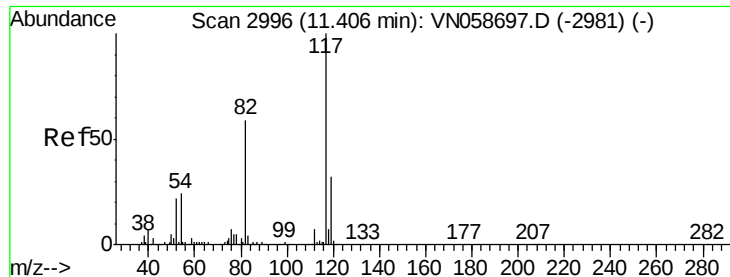
100000

50000

0

Time-->

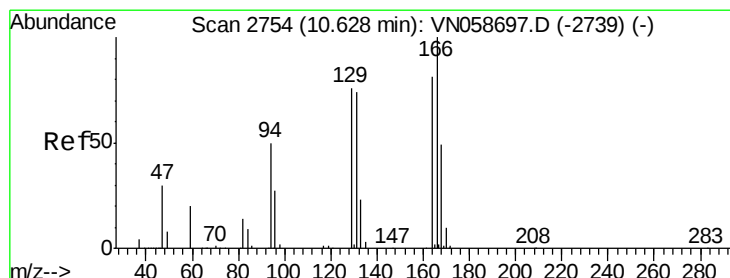
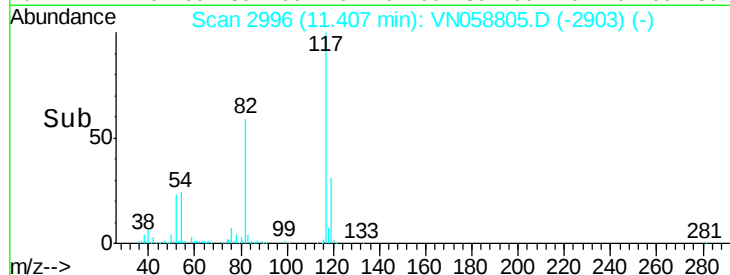
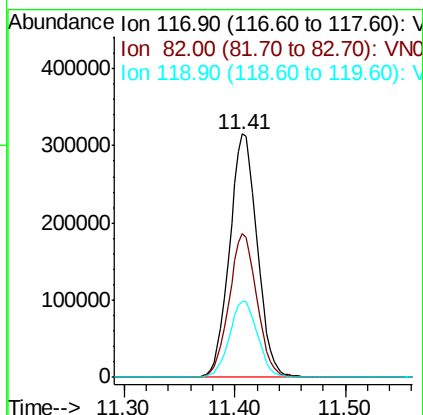
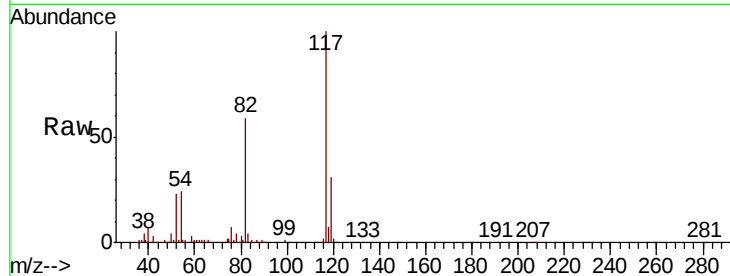




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058805.D
Acq: 16 Oct 2019 16:33

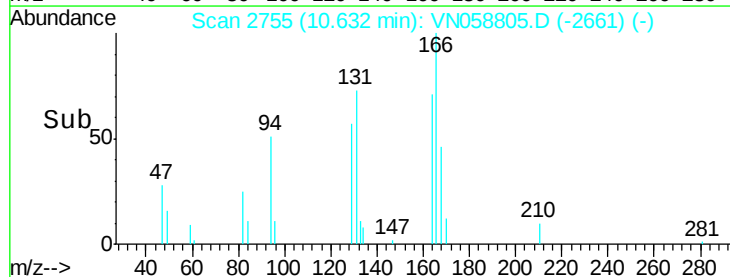
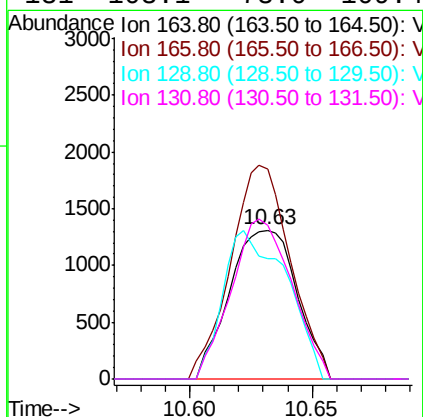
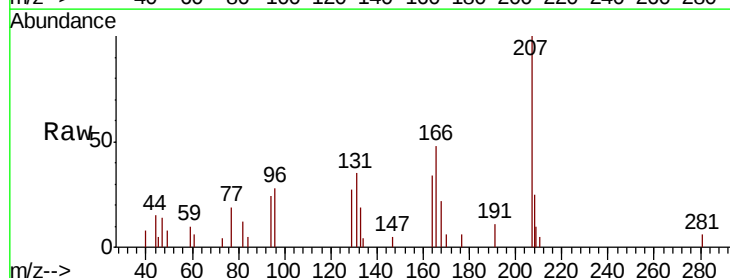
Instrument :
MSVOA_N
ClientSampleId :

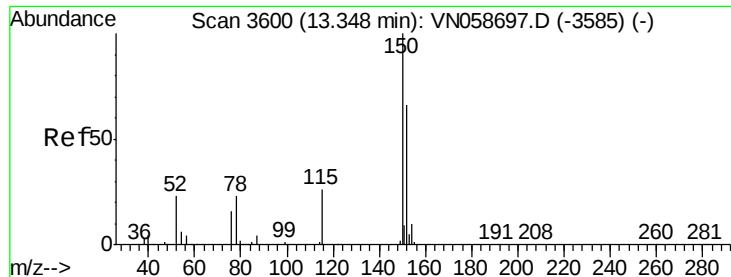
Tot Ion:117 Resp: 548723
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 0.655 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058805.D
Acq: 16 Oct 2019 16:33

Tgt Ion:164 Resp: 2514
Ion Ratio Lower Upper
164 100
166 141.1 99.3 148.9
129 80.7 75.2 112.8
131 103.1 73.0 109.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :

MSVOA_N

ClientSampled :

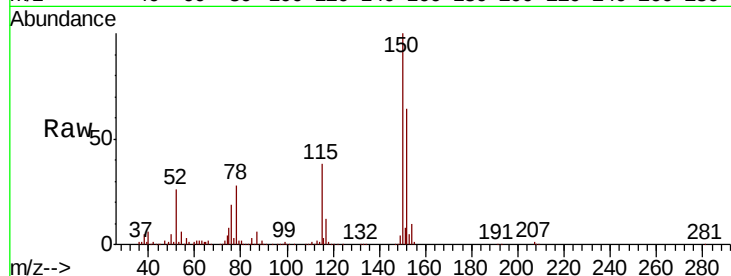
Tot Ion:152 Resp: 214620

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

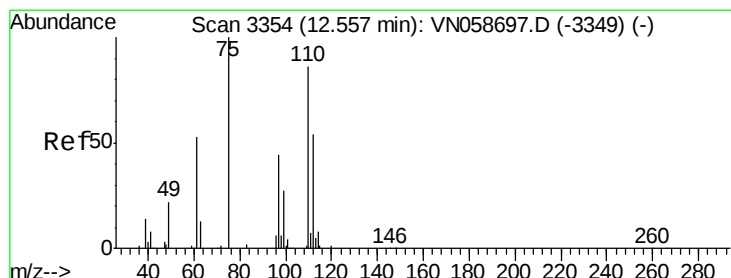
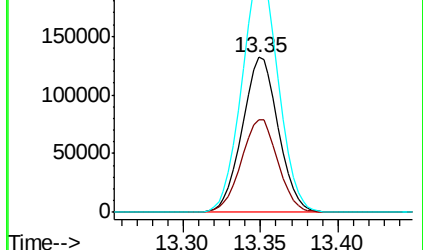
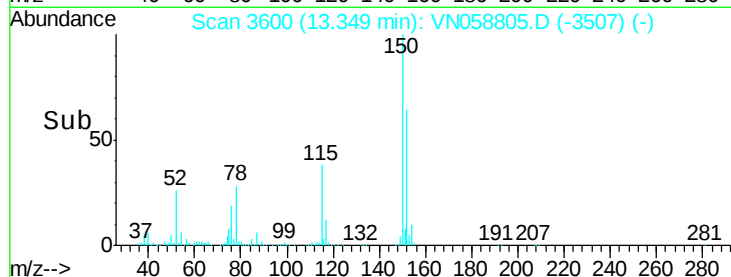
150 157.2 0.0 345.4



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: 29.701 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058805.D

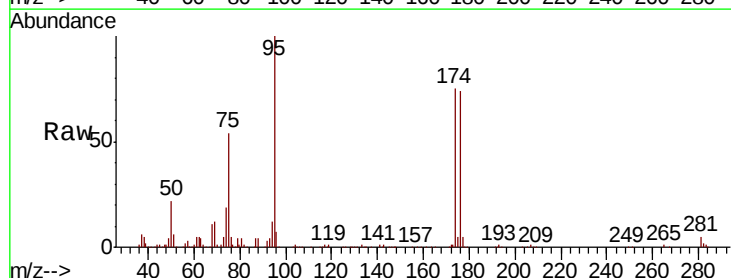
Acq: 16 Oct 2019 16:33

Tgt Ion: 75 Resp: 139839

Ion Ratio Lower Upper

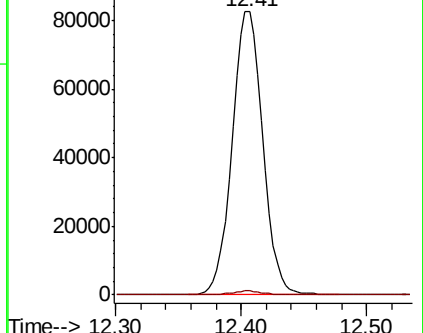
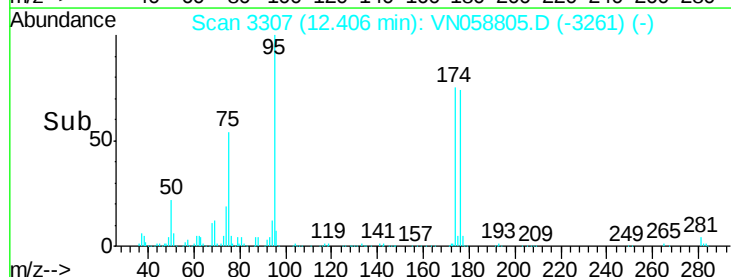
75 100

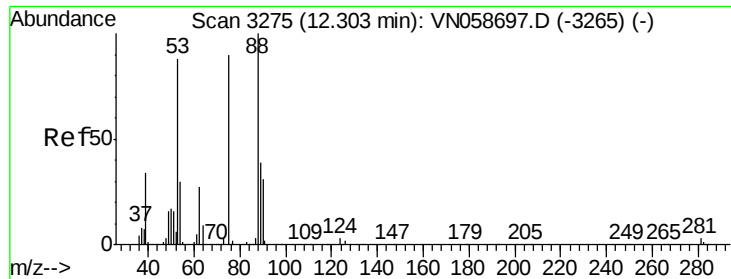
77 1.4 0.0 0.0#



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: 79.559 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058805.D

Acq: 16 Oct 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

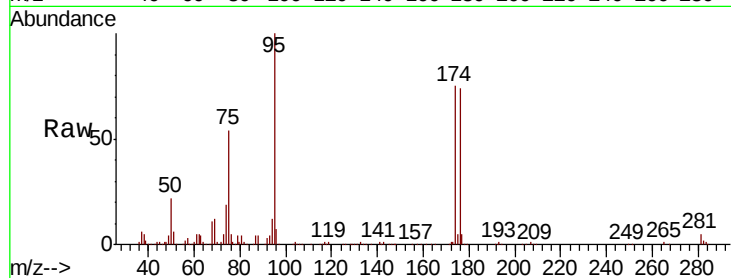
Tot Ion: 75 Resp: 139839

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

