

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056285.D
 Acq On : 13 Jun 2019 16:42
 Operator : JC/SP
 Sample : K3350-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:13:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

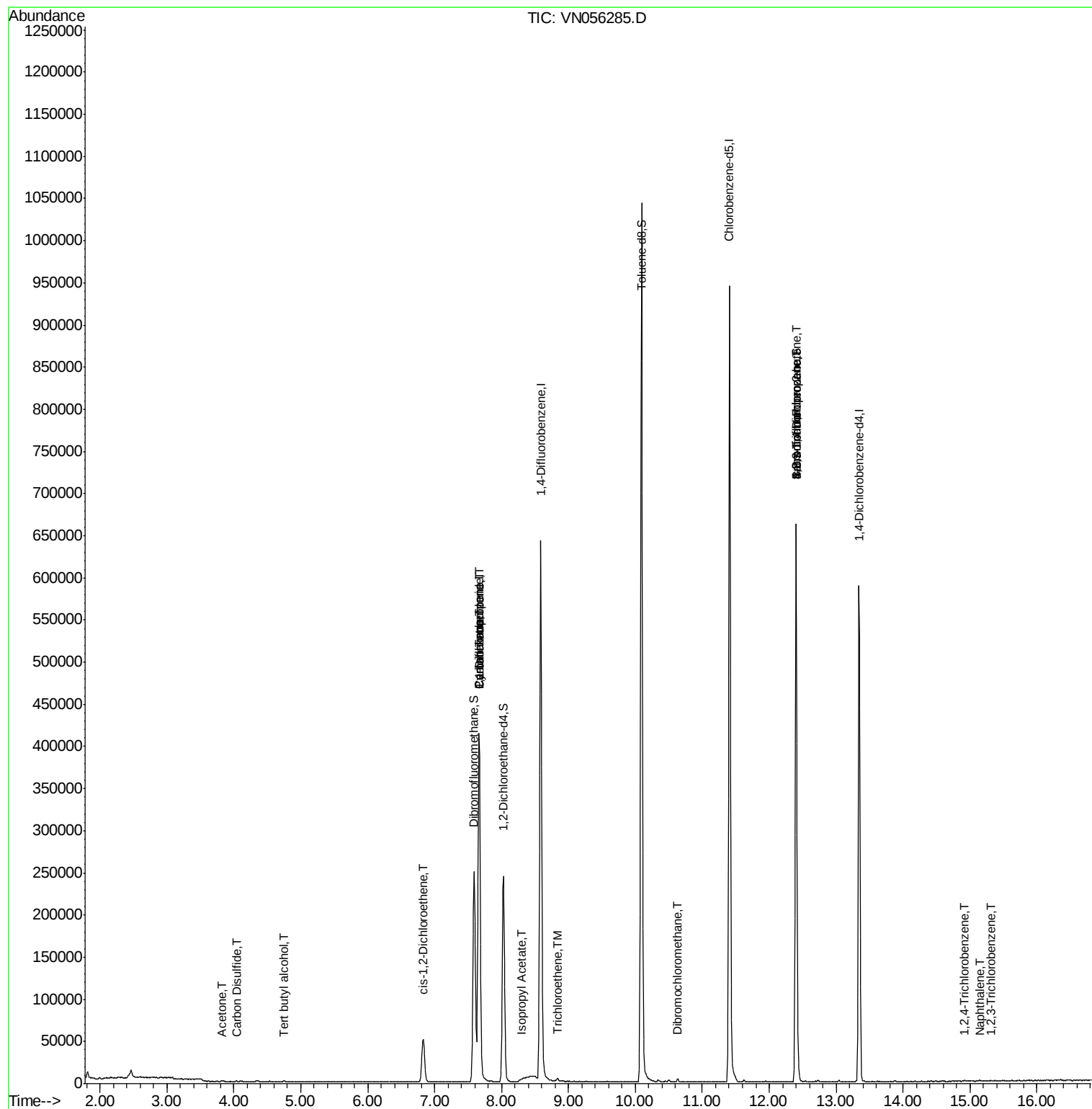
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	377121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	628444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	208022	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
35) Dibromofluoromethane	7.59	113	193938	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	770497	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	241442	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.75	59	330	0.506	ug/l #	74
16) Acetone	3.83	43	1396	0.780	ug/l #	81
17) Carbon Disulfide	4.04	76	1560	0.206	ug/l #	74
18) Methyl Acetate	4.33	43	1490	Below Cal	#	86
27) cis-1,2-Dichloroethene	6.83	96	37157	9.319	ug/l	90
31) Cyclohexane	7.67	56	6147	1.035	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24286	4.494	ug/l #	47
38) Carbon Tetrachloride	7.66	117	31671	6.357	ug/l #	15
43) Isopropyl Acetate	8.29	43	2888	0.371	ug/l #	53
44) Trichloroethene	8.83	130	1513	0.321	ug/l	97
60) Dibromochloromethane	10.63	129	686	2.598	ug/l #	11
71) Bromoform	12.40	173	870	2.975	ug/l #	29
73) Isopropylbenzene	12.25	105	476	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	112145	34.253	ug/l #	100
79) 2-Chlorotoluene	12.59	91	751	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	112145	114.067	ug/l #	15
83) tert-Butylbenzene	13.03	119	58	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.91	180	75	4.291	ug/l #	15
95) Naphthalene	15.14	128	1533	4.018	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	253	3.102	ug/l #	48

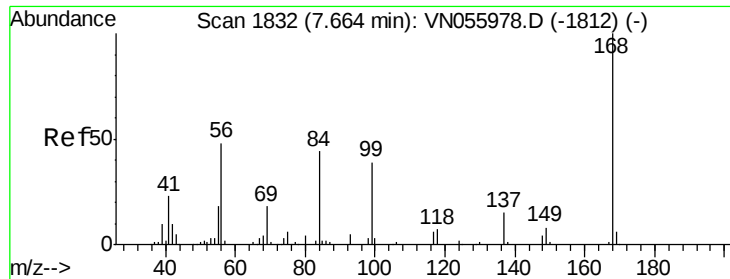
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

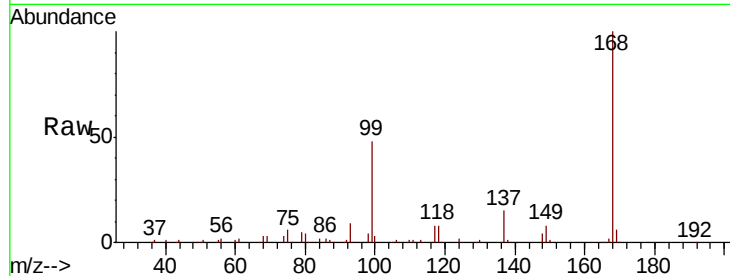
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 377121

Ion Ratio Lower Upper

168 100

99 48.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

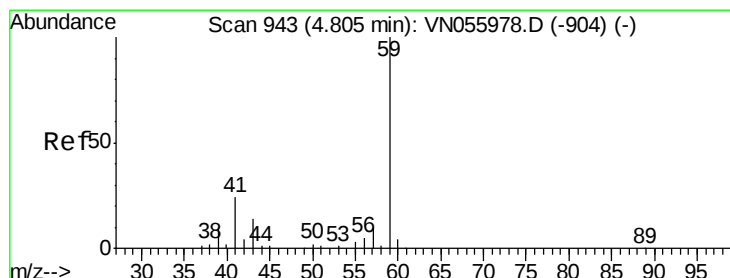
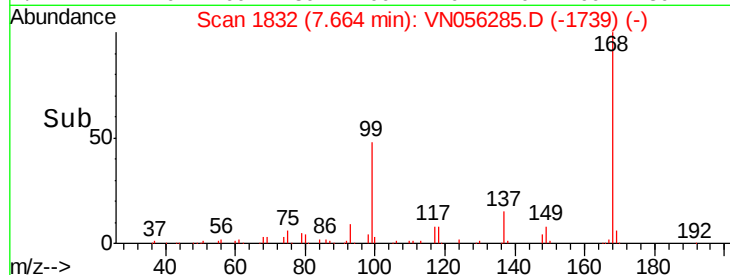
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.506 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.05 min

Lab File: VN056285.D

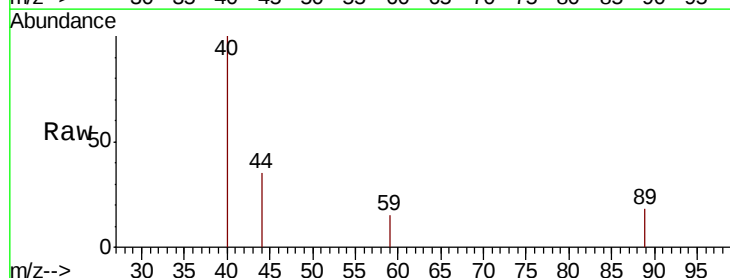
Acq: 13 Jun 2019 16:42

Tgt Ion: 59 Resp: 330

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

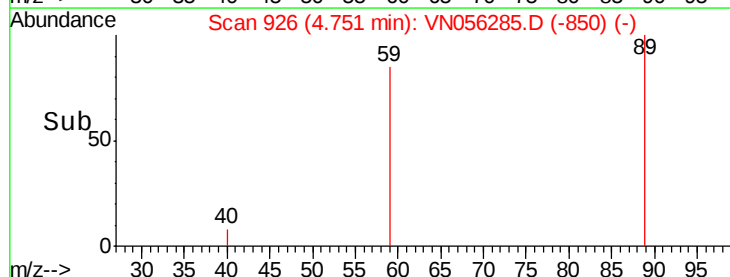
300

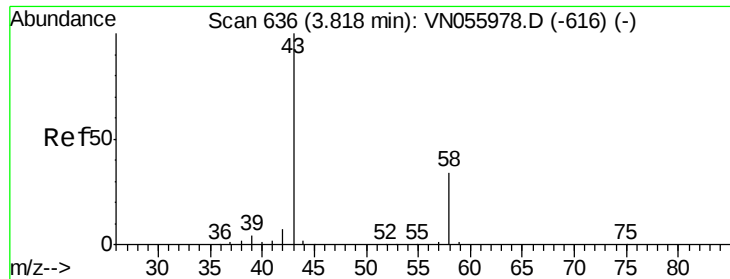
200

100

0

Time-->





#16

Acetone

Concen: 0.780 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

Instrument :

MSVOA_N

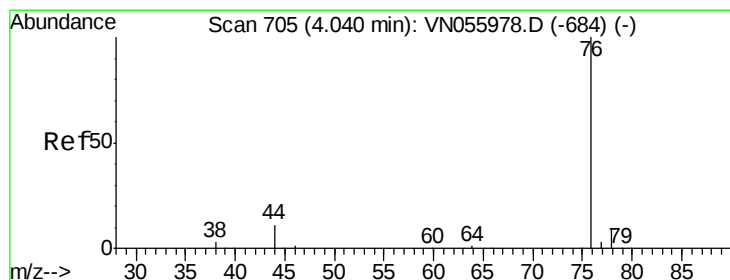
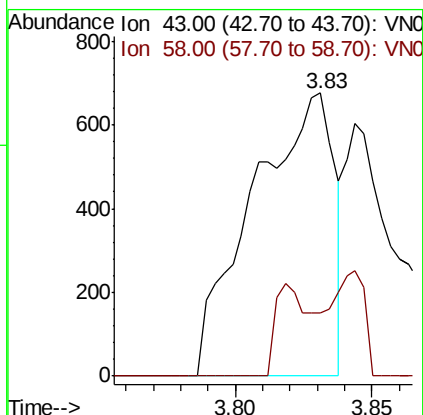
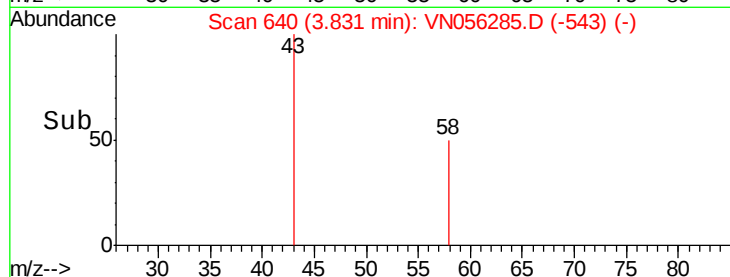
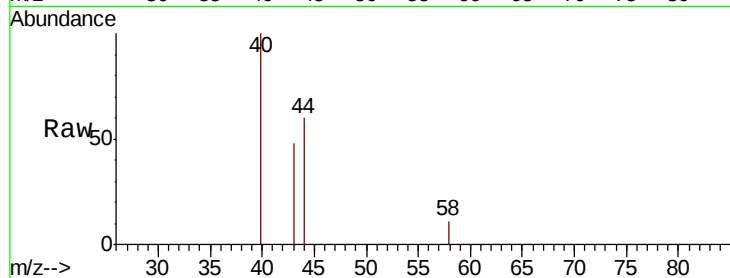
ClientSampled :

Tot Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

58 22.5 26.6 39.8#



#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056285.D

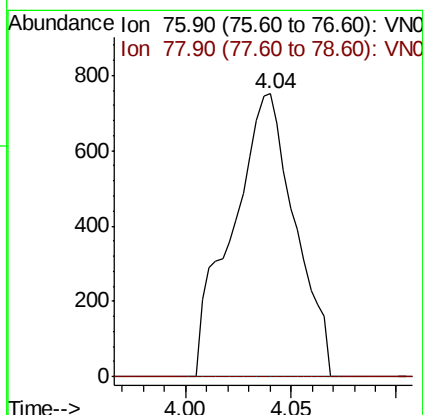
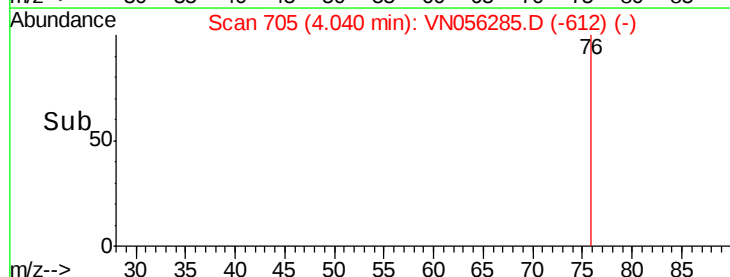
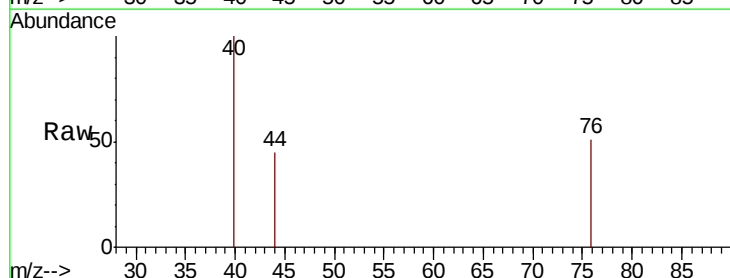
Acq: 13 Jun 2019 16:42

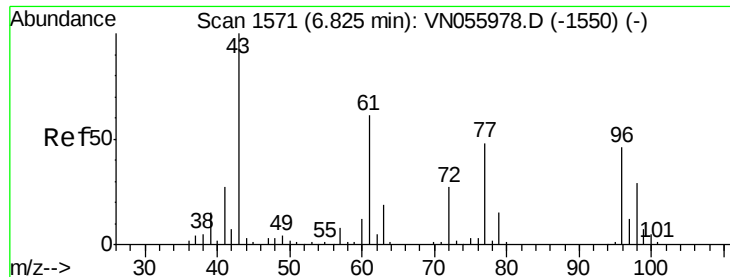
Tgt Ion: 76 Resp: 1560

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#





#27

cis-1,2-Dichloroethene

Concen: 9.319 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

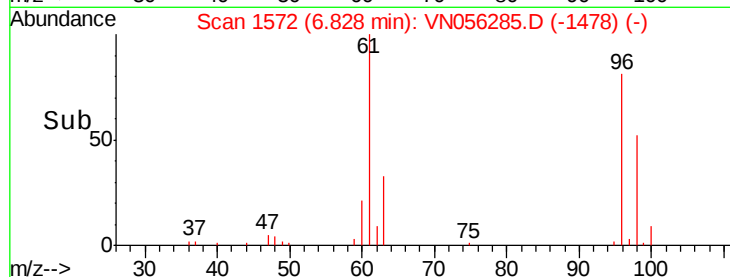
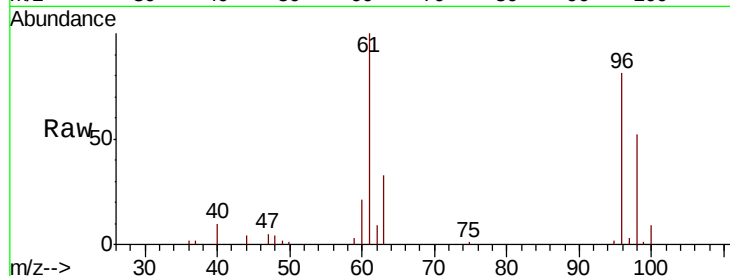
Tot Ion: 96 Resp: 37157

Ion Ratio Lower Upper

96 100

61 121.3 0.0 275.8

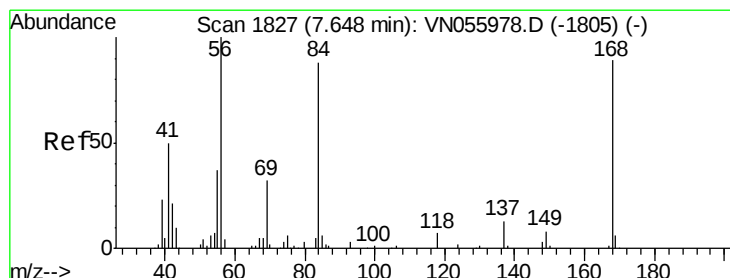
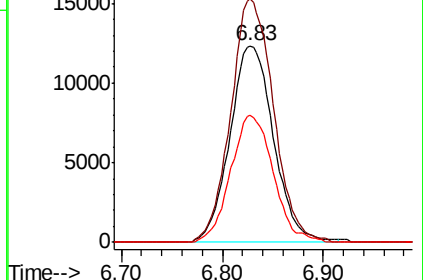
98 63.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.035 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

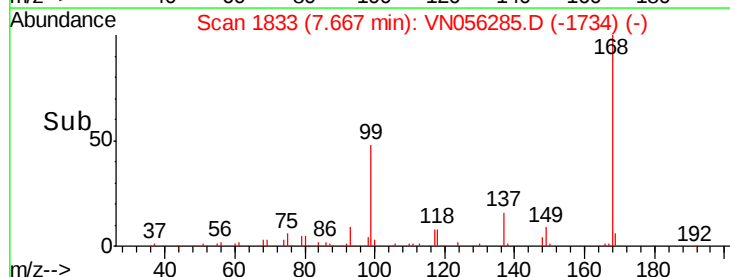
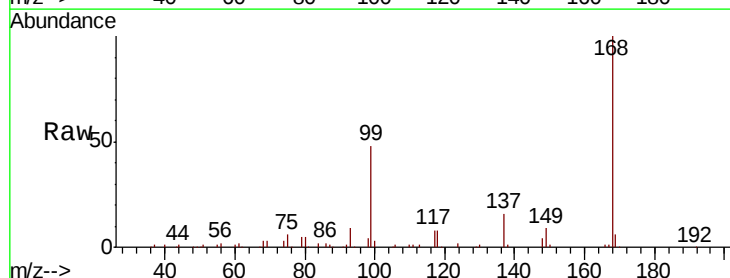
Tgt Ion: 56 Resp: 6147

Ion Ratio Lower Upper

56 100

69 201.3 25.6 38.4#

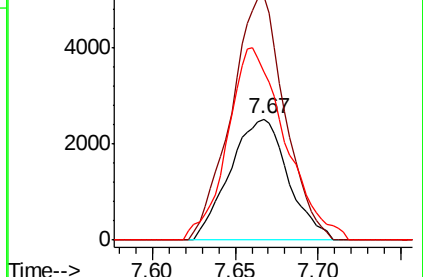
84 131.3 67.4 101.0#

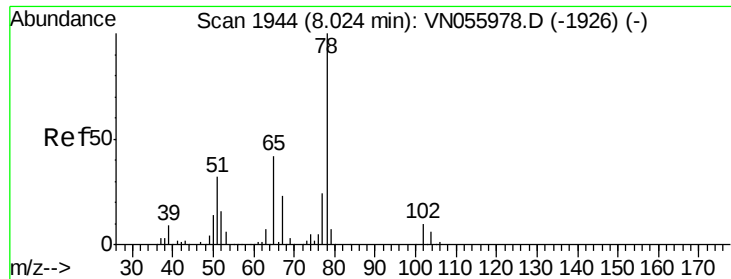


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

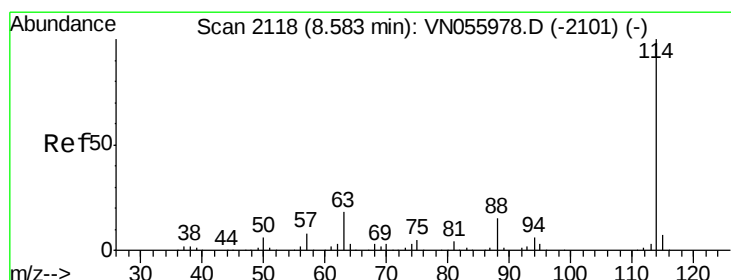
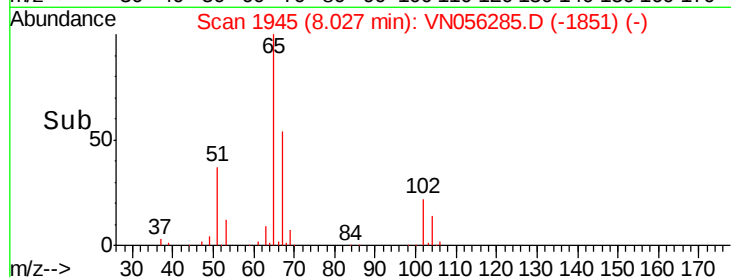
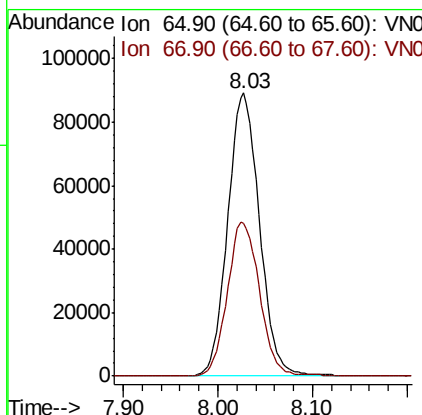
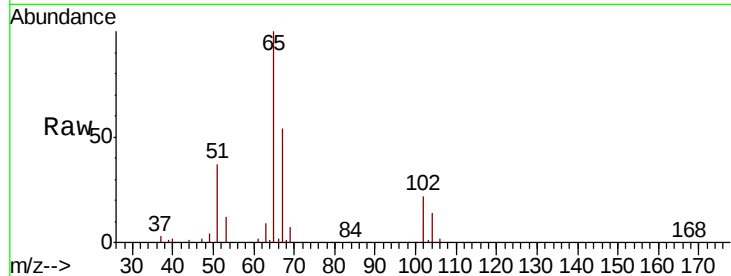




#33
 1,2-Dichloroethane-d4
 Concen: 55.554 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

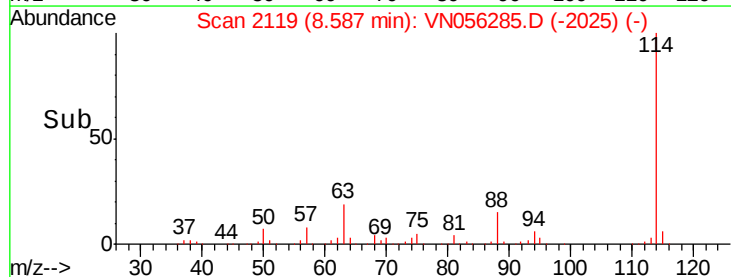
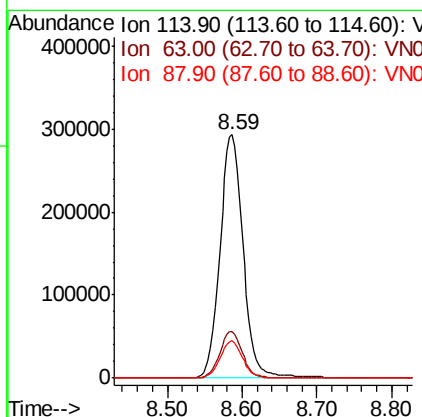
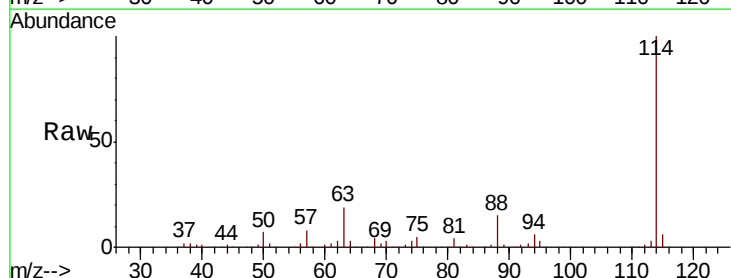
Instrument :
 MSVOA_N
 ClientSampleId :

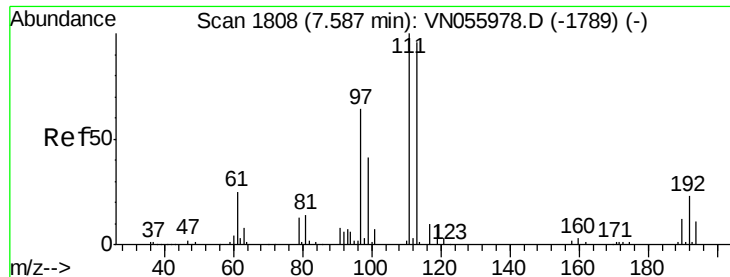
Tot Ion: 65 Resp: 208022
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

Tgt Ion: 114 Resp: 628444
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.2 0.0 31.0

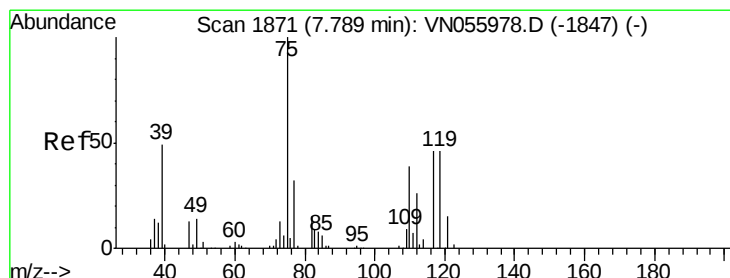
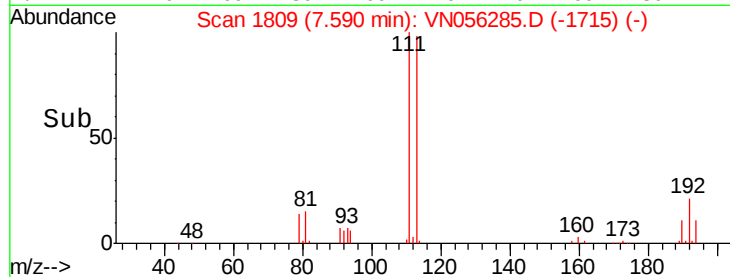
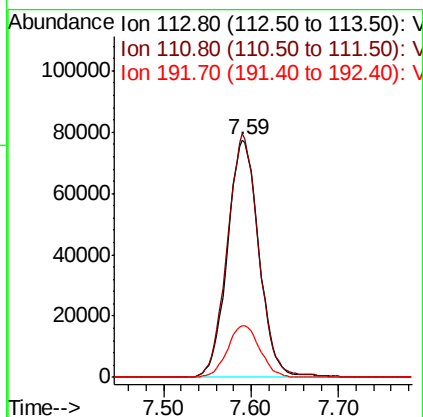
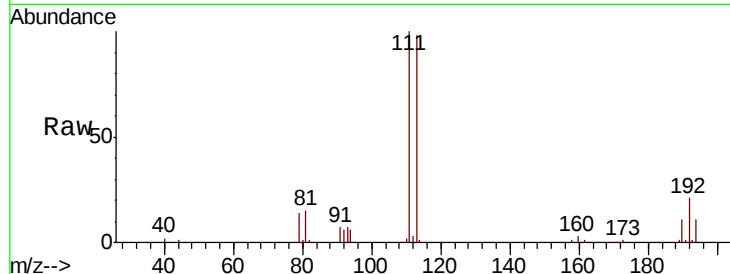




#35
 Dibromofluoromethane
 Concen: 50.299 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

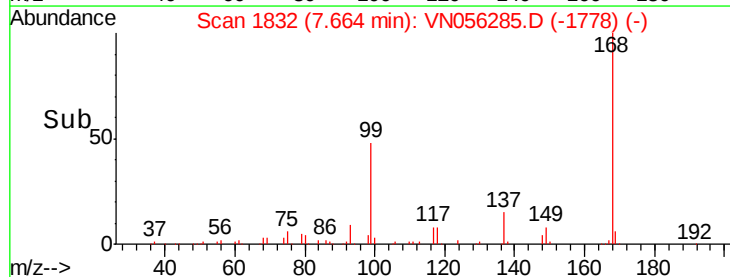
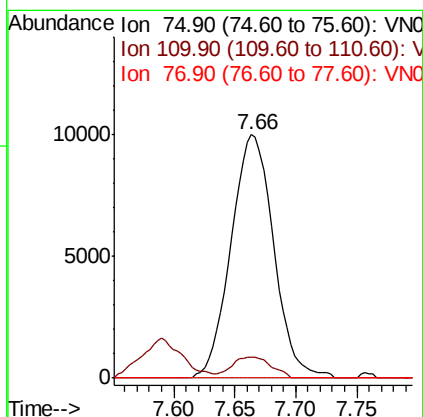
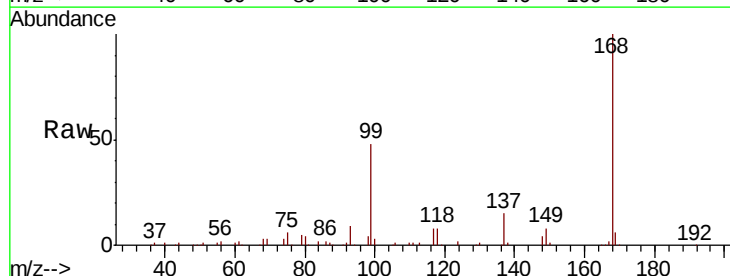
Instrument :
 MSVOA_N
 ClientSampled :

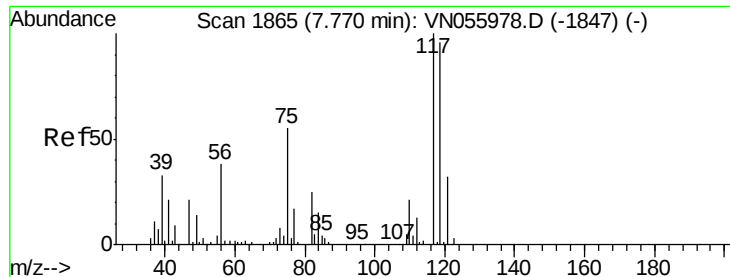
Tot Ion:113 Resp: 193938
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 22.4 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.494 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

Tgt Ion: 75 Resp: 24286
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.0 57.0#
 77 0.0 25.1 37.7#

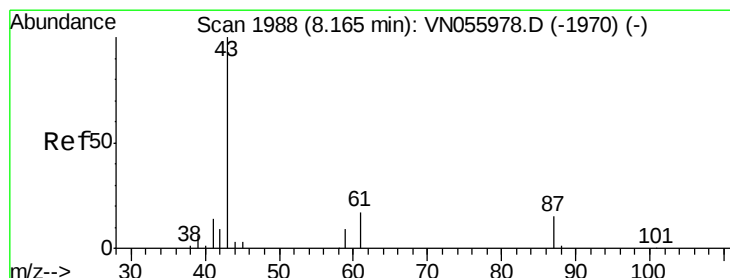
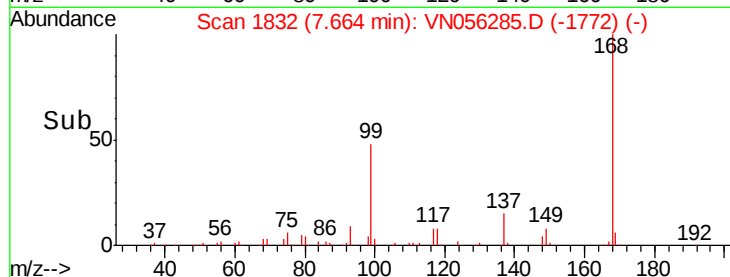
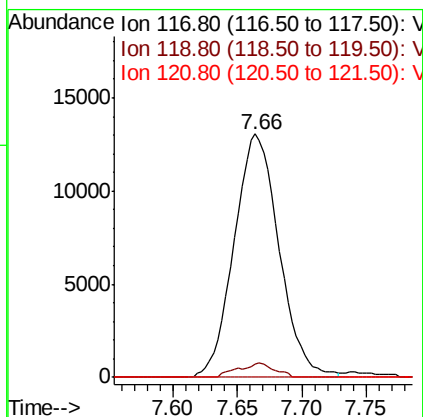
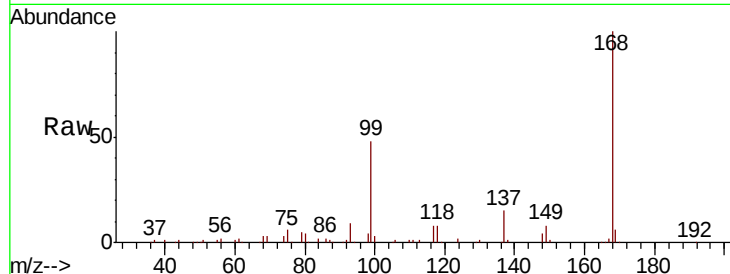




#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056285.D
Acq: 13 Jun 2019 16:42

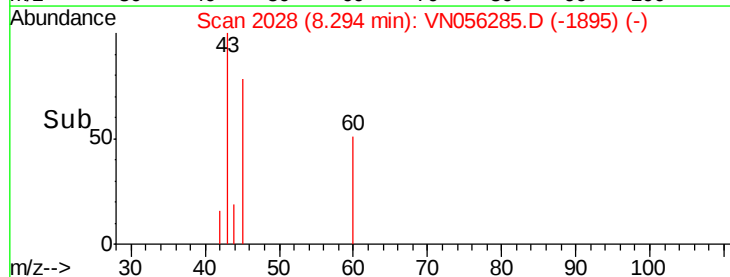
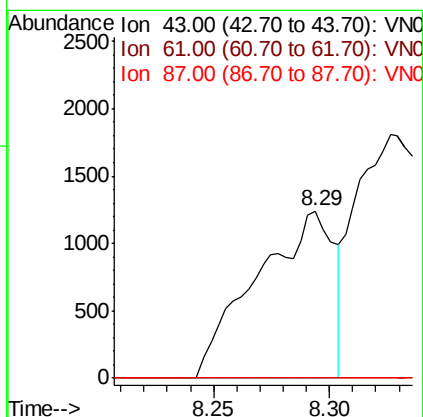
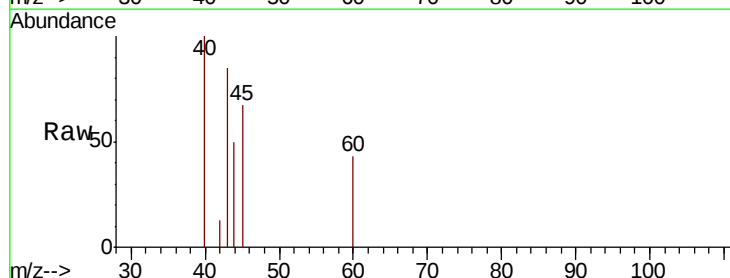
Instrument :
MSVOA_N
ClientSampled :

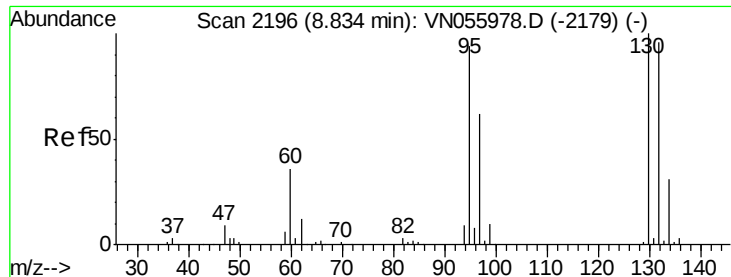
Tot Ion:117 Resp: 31671
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 0.371 ug/l
RT: 8.29 min Scan# 2028
Delta R.T. 0.13 min
Lab File: VN056285.D
Acq: 13 Jun 2019 16:42

Tgt Ion: 43 Resp: 2888
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#





#44

Trichloroethene

Concen: 0.321 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

Instrument :

MSVOA_N

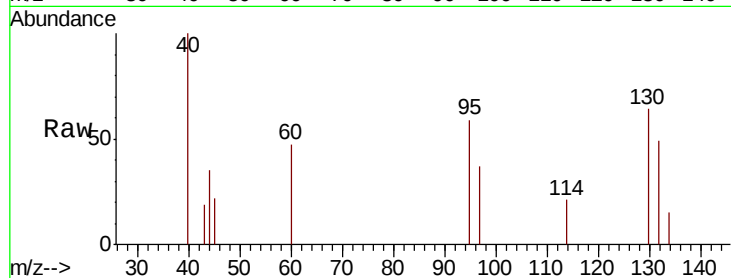
ClientSampleId :

Tot Ion:130 Resp: 1513

Ion Ratio Lower Upper

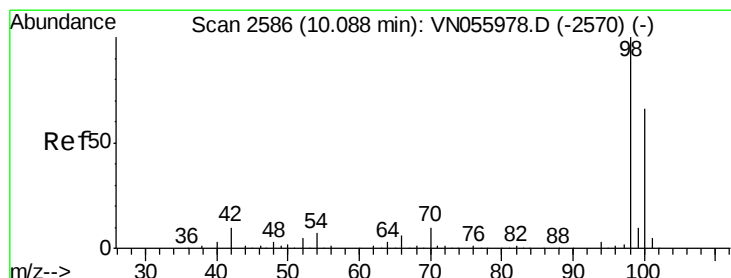
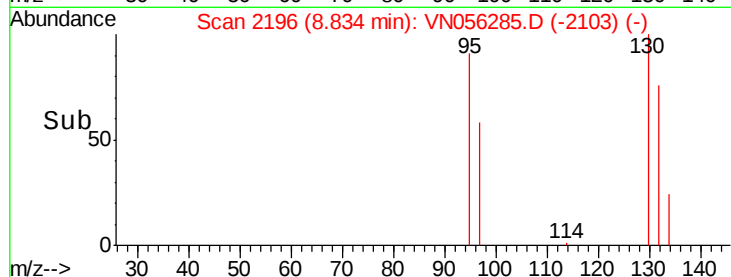
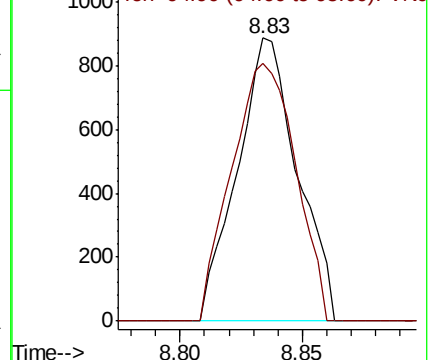
130 100

95 91.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 51.932 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056285.D

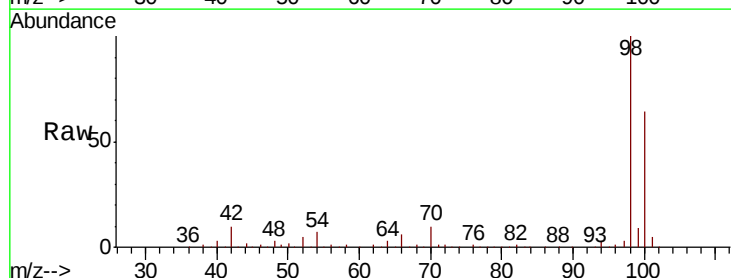
Acq: 13 Jun 2019 16:42

Tgt Ion: 98 Resp: 770497

Ion Ratio Lower Upper

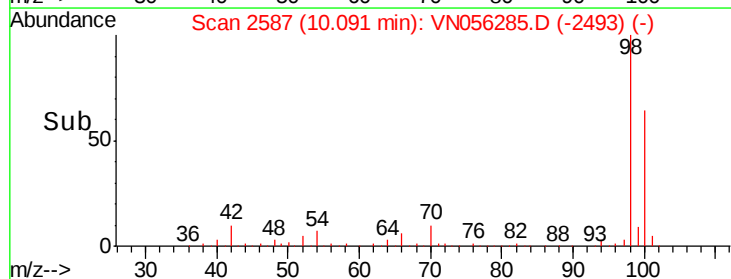
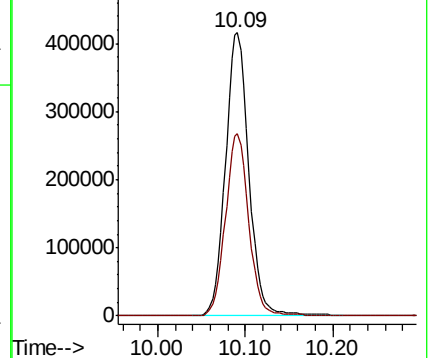
98 100

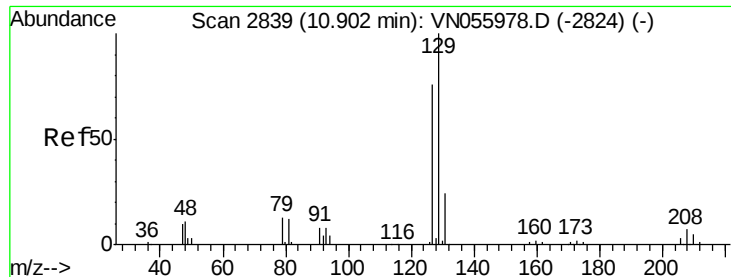
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#60

Dibromochloromethane

Concen: 2.598 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

Instrument :

MSVOA_N

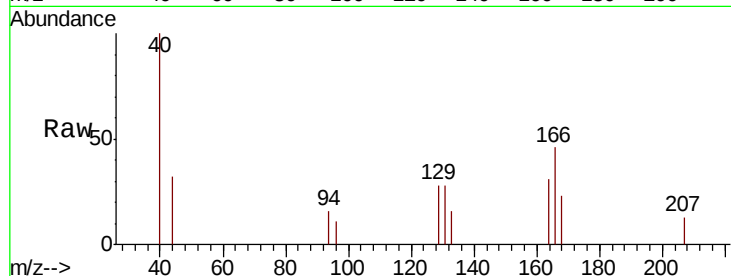
ClientSampled :

Tot Ion:129 Resp: 686

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

400

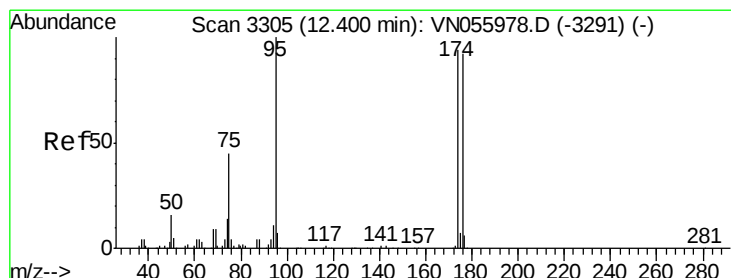
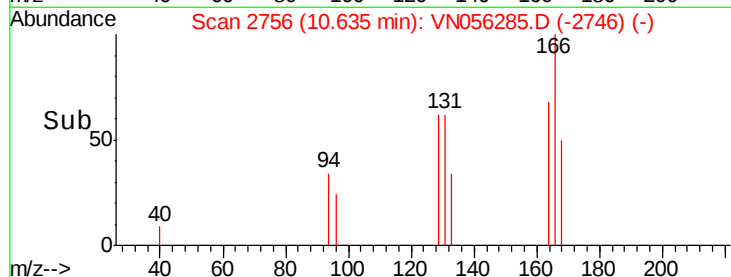
300

200

100

0

Time--> 10.60 10.62 10.64 10.66



#62

4-Bromofluorobenzene

Concen: 47.852 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

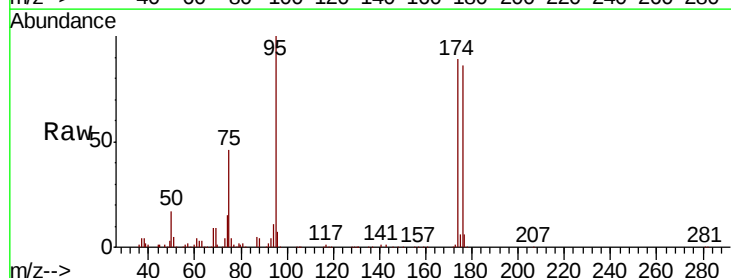
Tgt Ion: 95 Resp: 241442

Ion Ratio Lower Upper

95 100

174 91.7 0.0 191.0

176 87.9 0.0 185.2



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

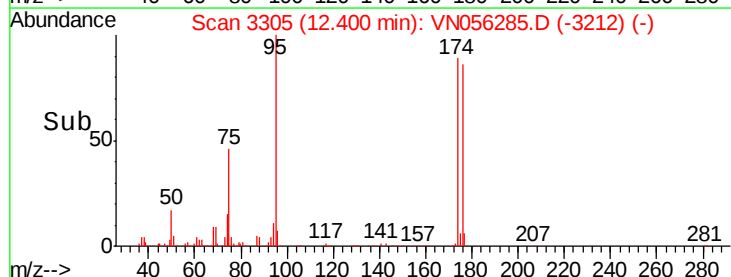
150000

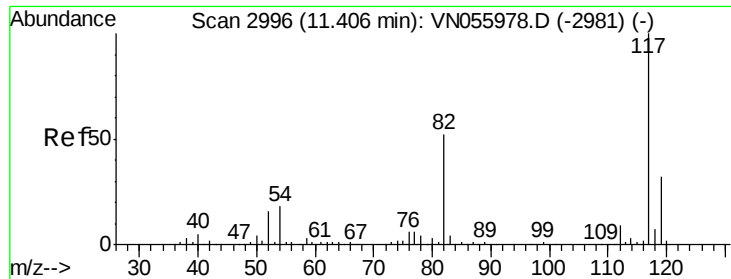
100000

50000

0

Time--> 12.30 12.40 12.50

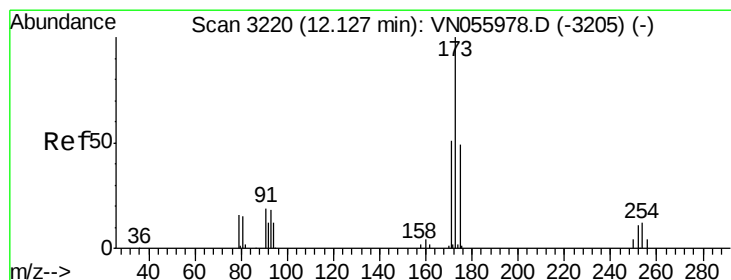
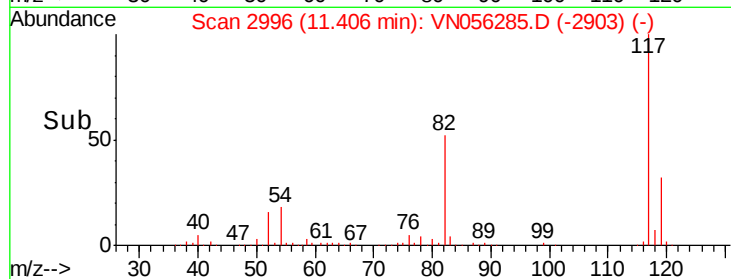
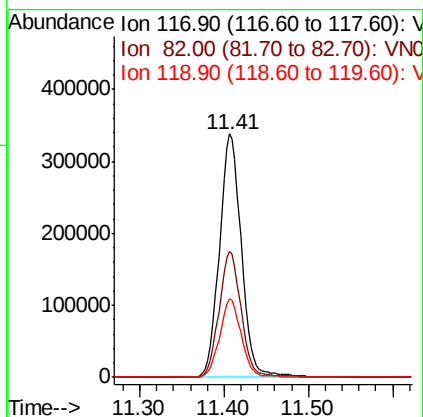
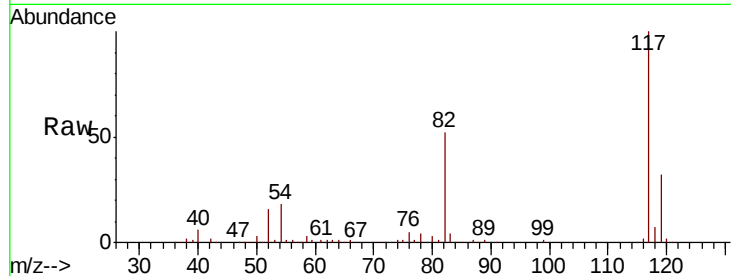




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056285.D
Acq: 13 Jun 2019 16:42

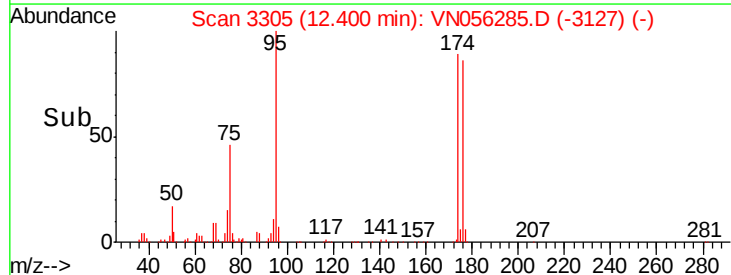
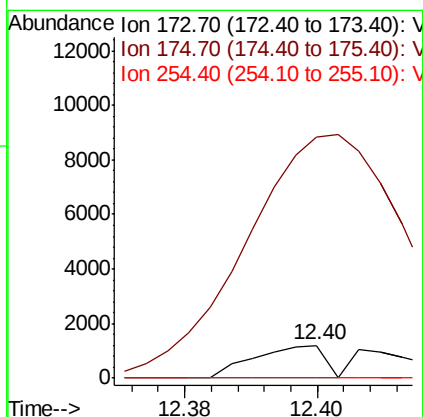
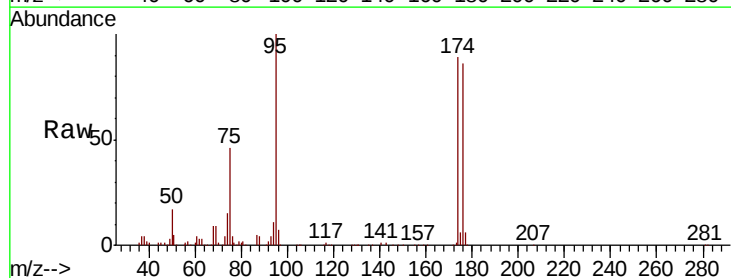
Instrument :
MSVOA_N
ClientSampled :

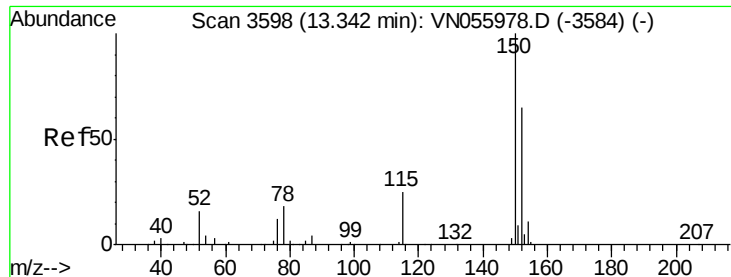
Tot Ion:117 Resp: 611746
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.2 25.4 38.0



#71
Bromoform
Concen: 2.975 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056285.D
Acq: 13 Jun 2019 16:42

Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0



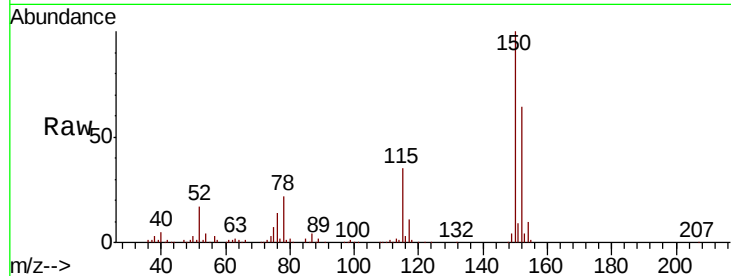


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056285.D
Acq: 13 Jun 2019 16:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.0	81.0
150	156.3	0.0	343.2

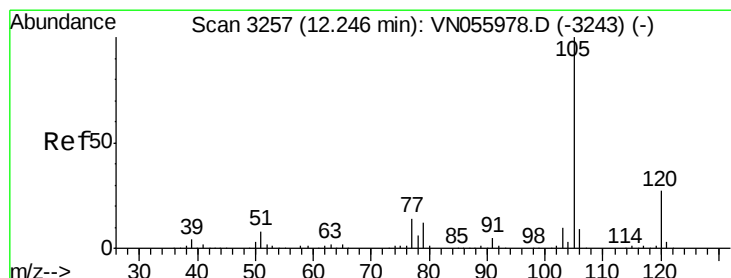
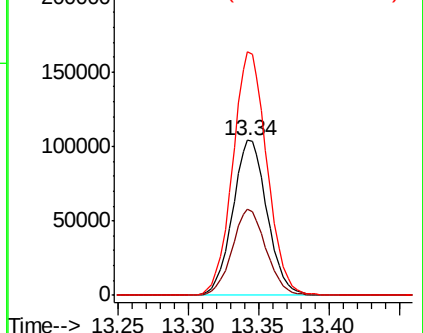
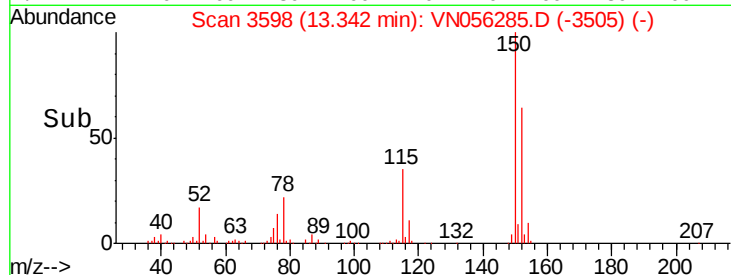


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

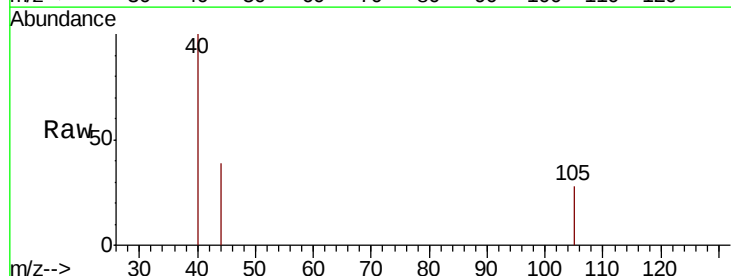
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3259
Delta R.T. 0.01 min
Lab File: VN056285.D
Acq: 13 Jun 2019 16:42

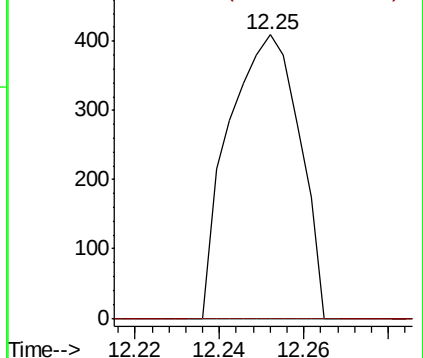
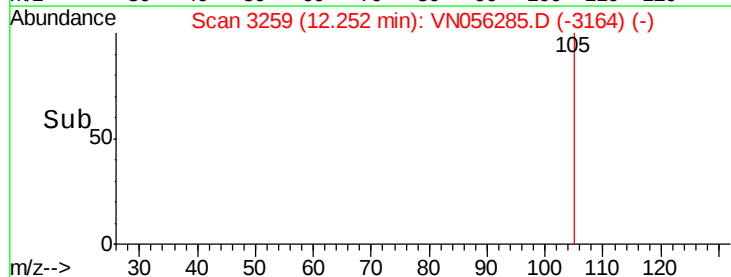
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.6	40.7#

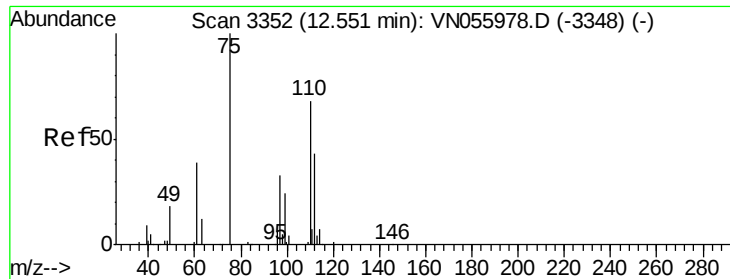


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 34.253 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

Instrument :

MSVOA_N

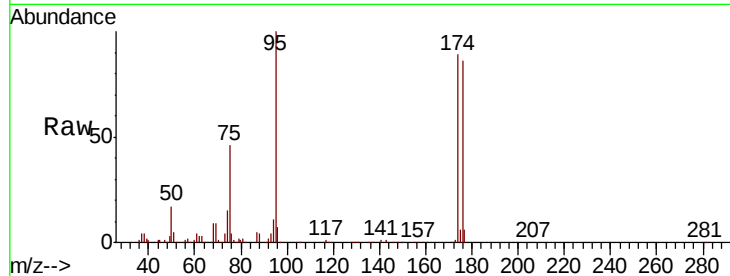
ClientSampled :

Tot Ion: 75 Resp: 112145

Ion Ratio Lower Upper

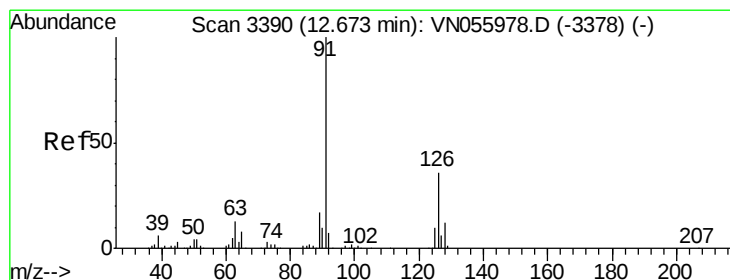
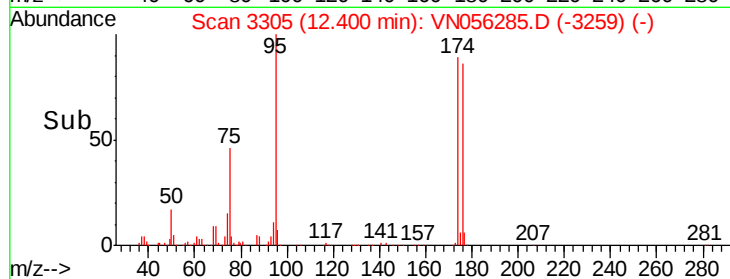
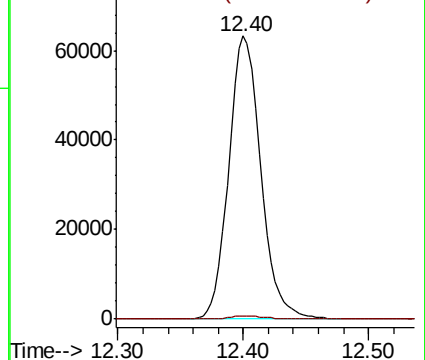
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056285.D

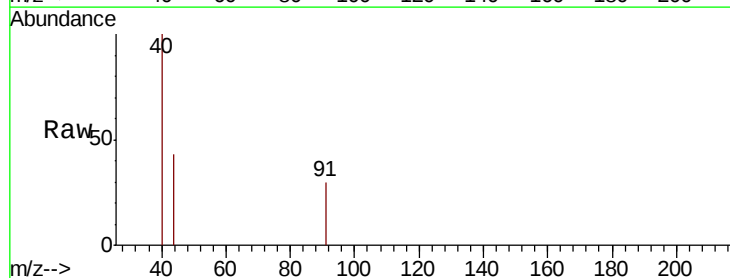
Acq: 13 Jun 2019 16:42

Tgt Ion: 91 Resp: 751

Ion Ratio Lower Upper

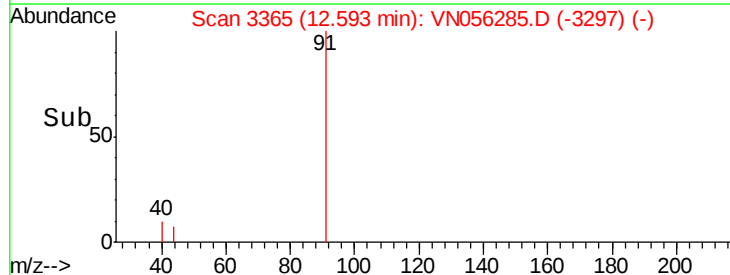
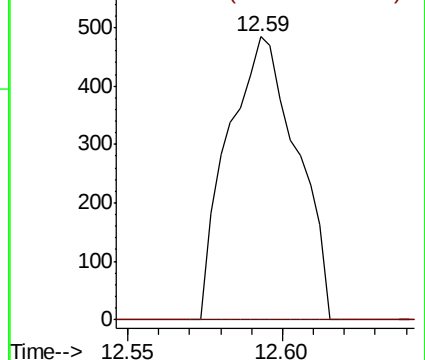
91 100

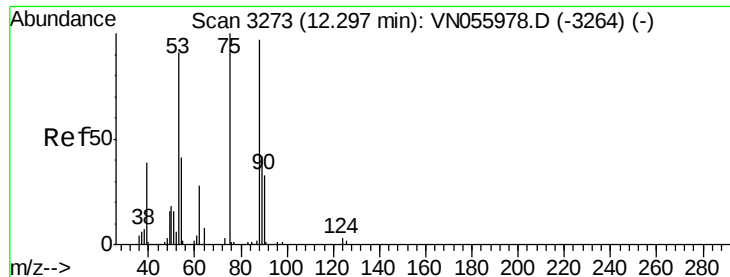
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.067 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

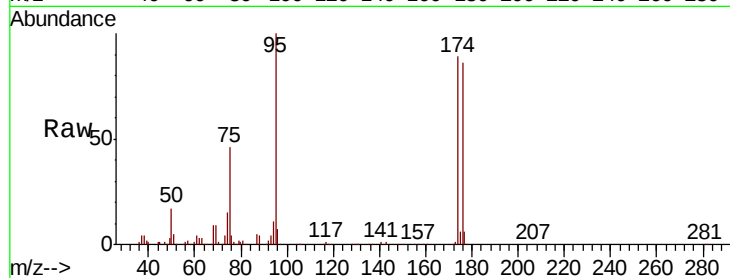
Tot Ion: 75 Resp: 112145

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

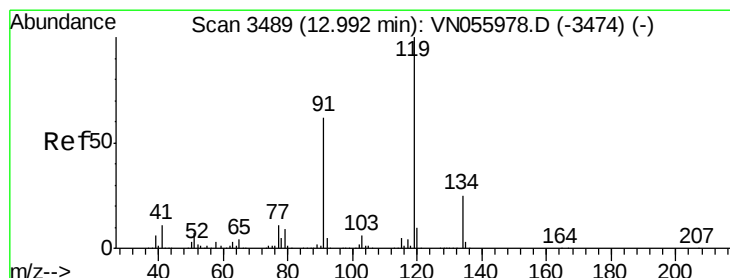
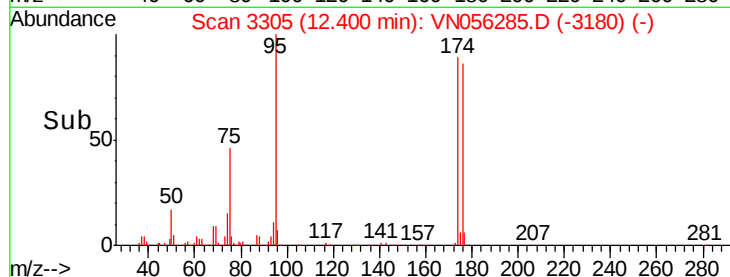
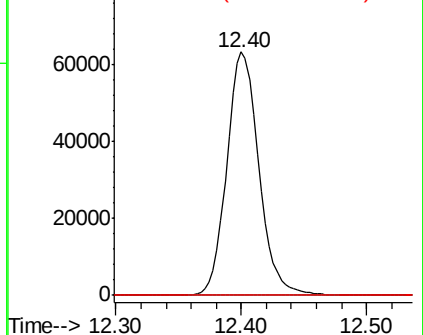
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.03 min Scan# 3502

Delta R.T. 0.04 min

Lab File: VN056285.D

Acq: 13 Jun 2019 16:42

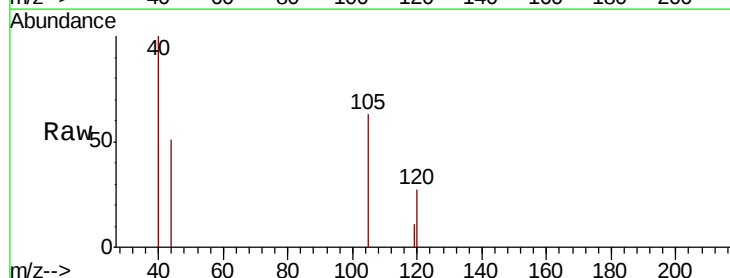
Tgt Ion: 119 Resp: 58

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

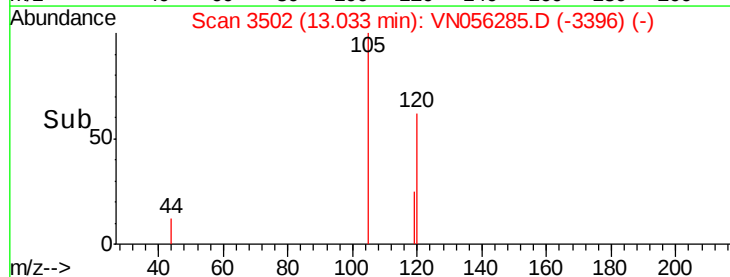
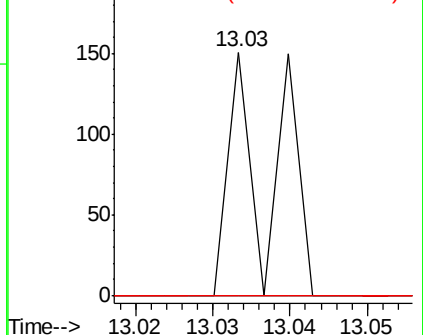
134 0.0 13.3 39.8#

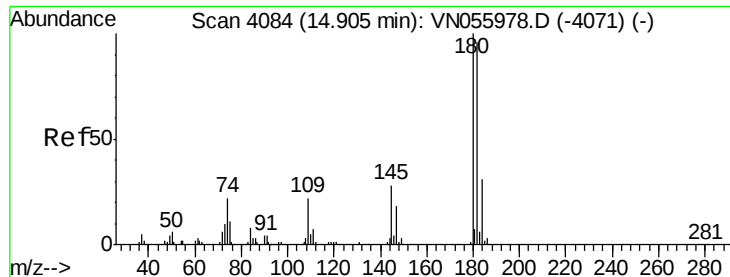


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

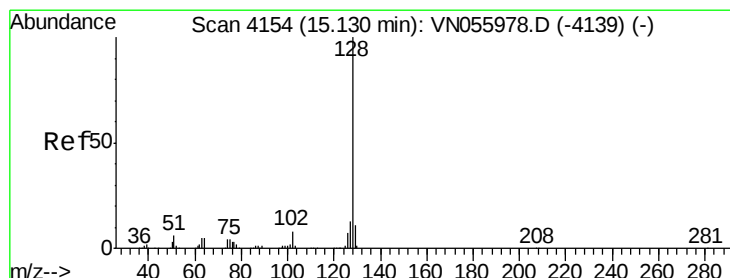
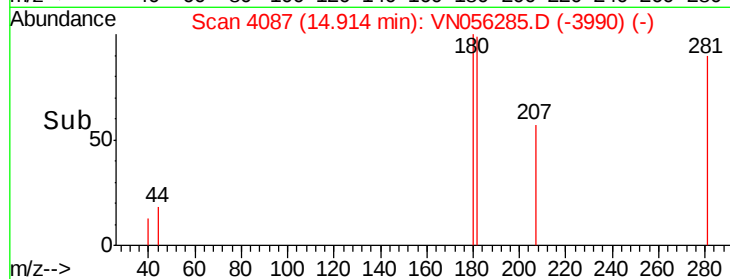
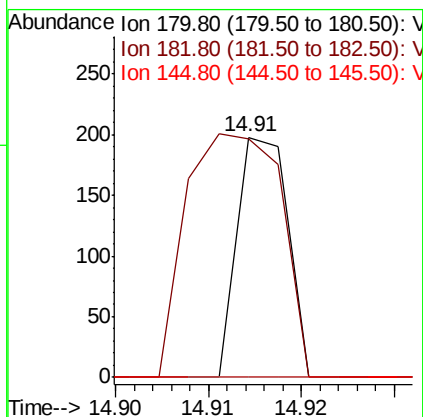
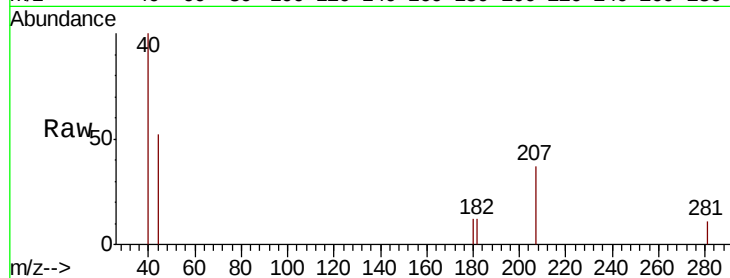




#93
 1,2,4-Trichlorobenzene
 Concen: 4.291 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

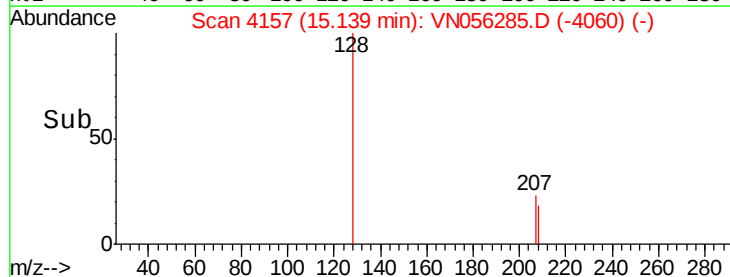
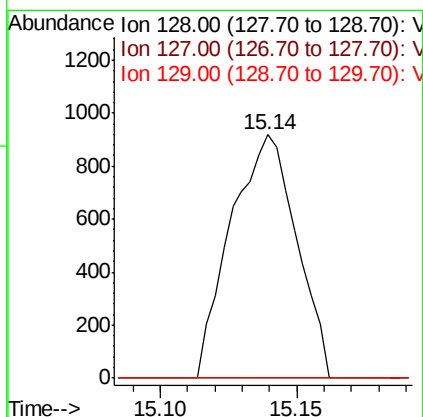
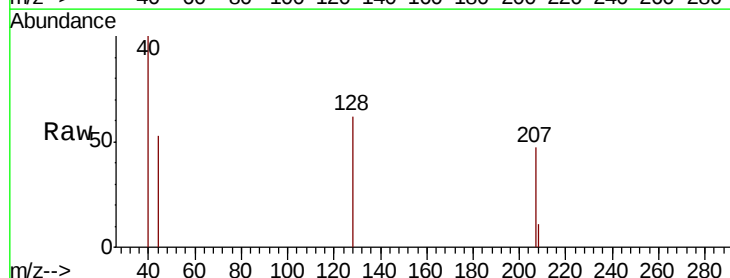
Instrument :
 MSVOA_N
 ClientSampled :

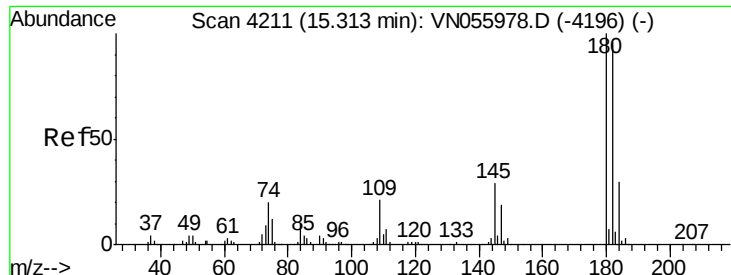
Tot Ion	Ratio	Lower	Upper
180	100		
182	189.3	48.3	144.9#
145	0.0	14.0	41.9#



#95
 Naphthalene
 Concen: 4.018 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.102 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN056285.D
 Acq: 13 Jun 2019 16:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	38.7	47.9	143.7#
145	11.9	14.9	44.7#

