

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058954.D
 Acq On : 24 Oct 2019 12:38
 Operator : JC/SP
 Sample : K5508-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0665DL

Quant Time: Oct 25 01:22:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	345962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	556239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175441	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	265436	52.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.62%		
35) Dibromofluoromethane	7.57	113	190453	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.16%		
50) Toluene-d8	10.08	98	713626	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.54%		
62) 4-Bromofluorobenzene	12.40	95	220997	42.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.78%		

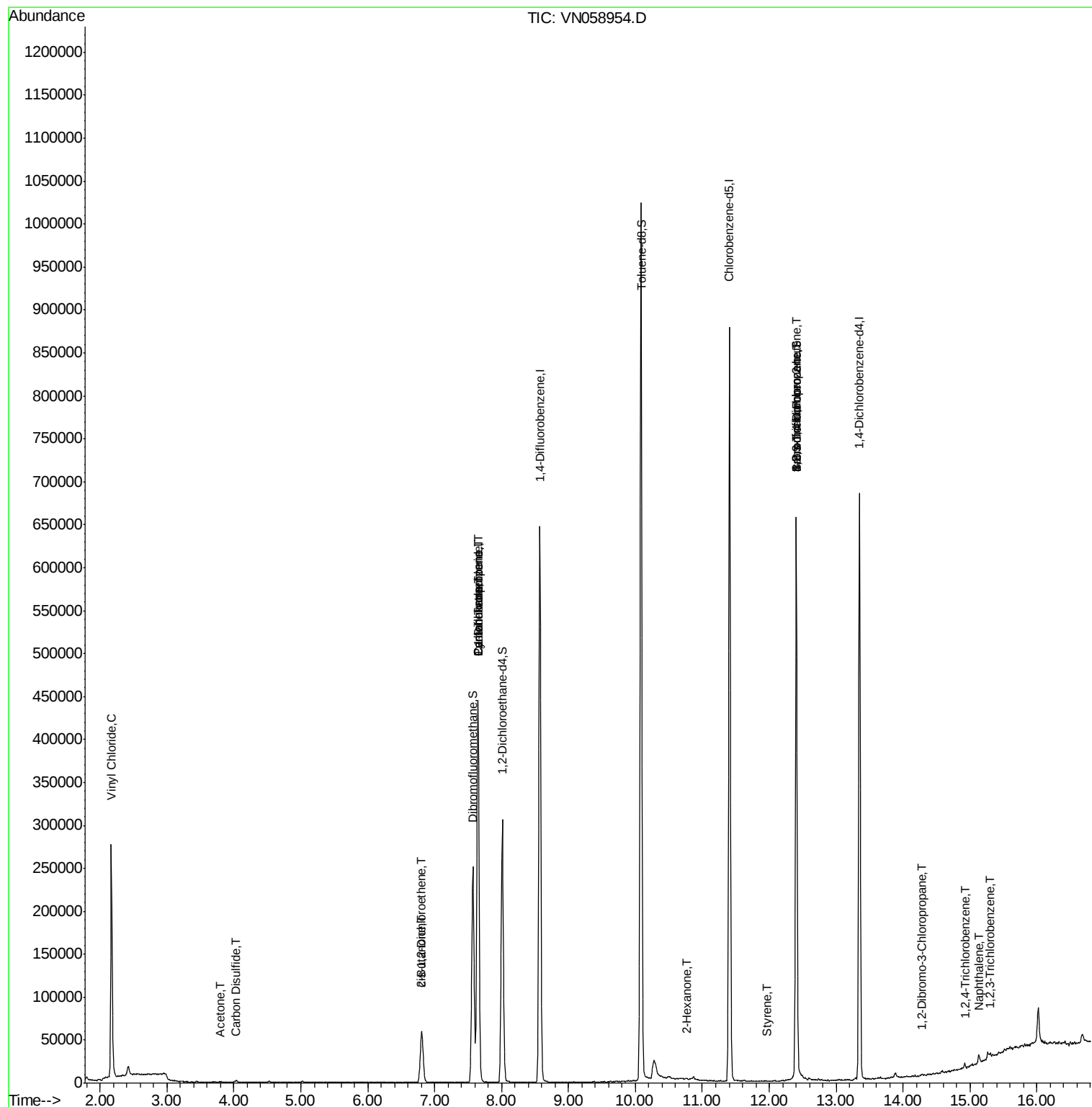
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	257906	48.621	ug/l	98
16) Acetone	3.80	43	1122	0.447	ug/l #	46
17) Carbon Disulfide	4.03	76	2775	0.253	ug/l #	75
25) 2-Butanone	6.81	43	706	0.217	ug/l #	58
27) cis-1,2-Dichloroethene	6.81	96	32568	7.569	ug/l	86
31) Cyclohexane	7.65	56	8422	1.155	ug/l #	15
36) 1,1-Dichloropropene	7.65	75	29970	5.263	ug/l #	50
38) Carbon Tetrachloride	7.65	117	35302	6.017	ug/l #	17
59) 2-Hexanone	10.75	43	1210	0.269	ug/l #	61
70) Styrene	11.97	104	348	1.743	ug/l #	37
71) Bromoform	12.41	173	1456	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	118172	29.063	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	118172	75.712	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.28	75	313	0.307	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1476	2.921	ug/l	90
95) Naphthalene	15.13	128	6124	2.808	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	1808	2.900	ug/l	88

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102519\
Data File : VN058954.D
Acq On : 24 Oct 2019 12:38
Operator : JC/SP
Sample : K5508-01DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S32-0665DL

Quant Time: Oct 25 01:22:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

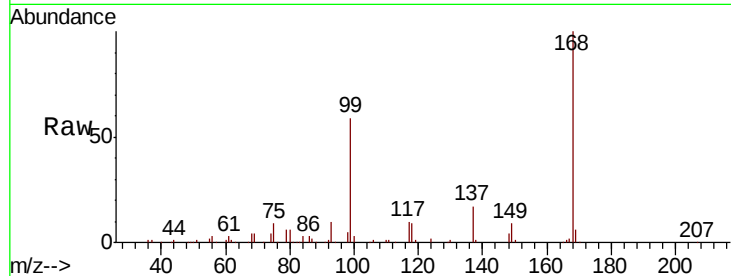
S32-0665DL

Tot Ion:168 Resp: 345962

Ion Ratio Lower Upper

168 100

99 58.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

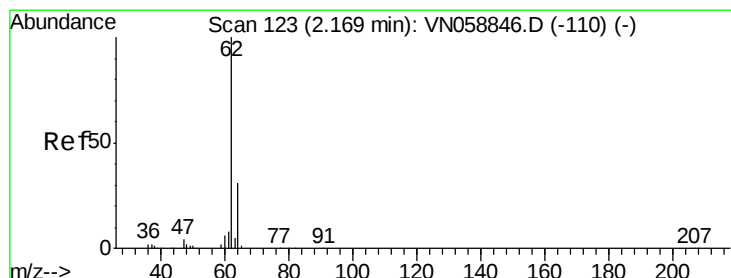
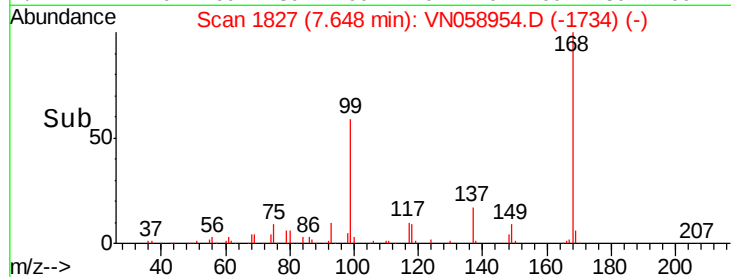
100000

50000

0

7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 48.621 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058954.D

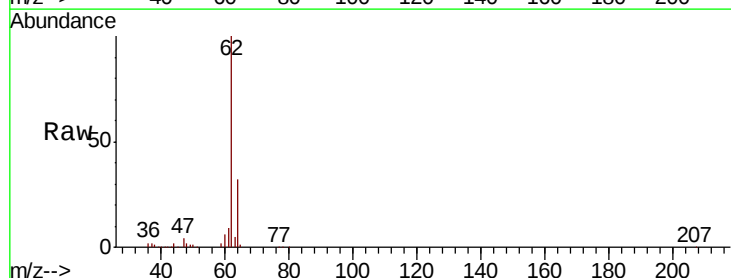
Acq: 24 Oct 2019 12:38

Tgt Ion: 62 Resp: 257906

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

150000

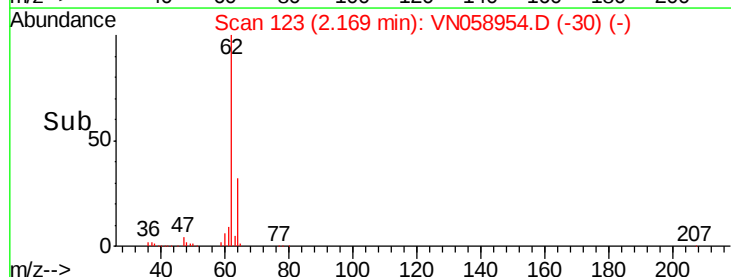
100000

50000

0

2.10 2.15 2.20 2.25

Time-->





#16

Acetone

Concen: 0.447 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

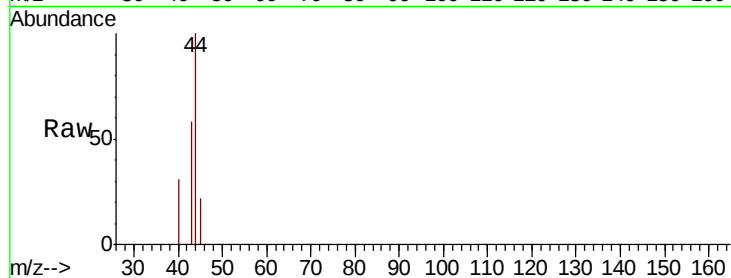
S32-0665DL

Tot Ion: 43 Resp: 1122

Ion Ratio Lower Upper

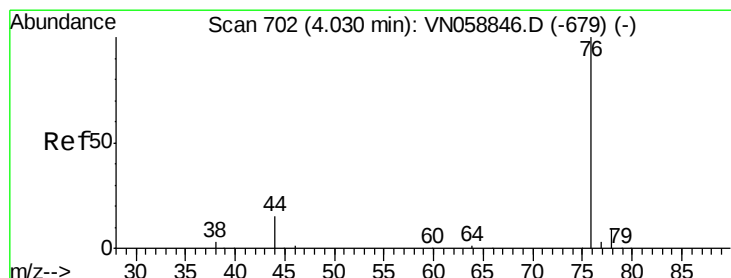
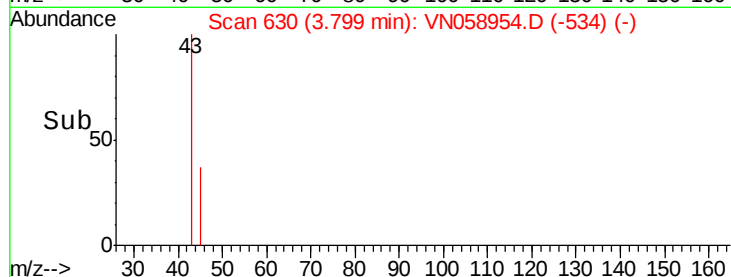
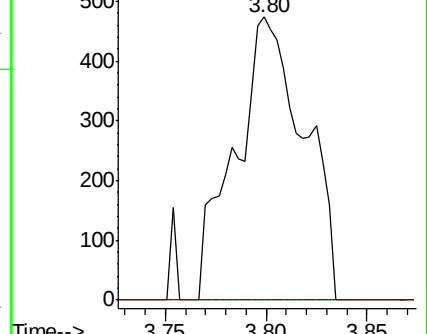
43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058954.D

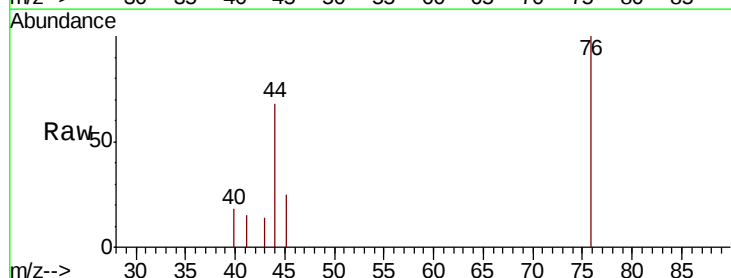
Acq: 24 Oct 2019 12:38

Tgt Ion: 76 Resp: 2775

Ion Ratio Lower Upper

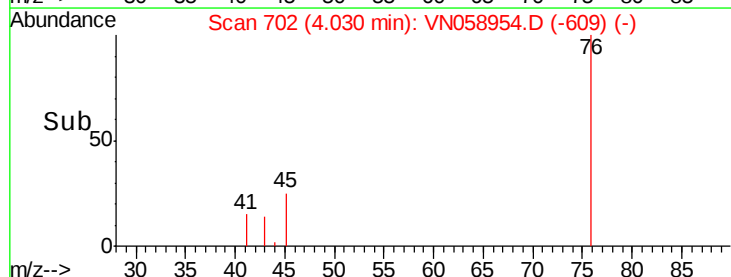
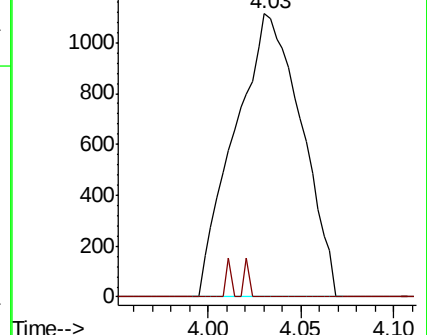
76 100

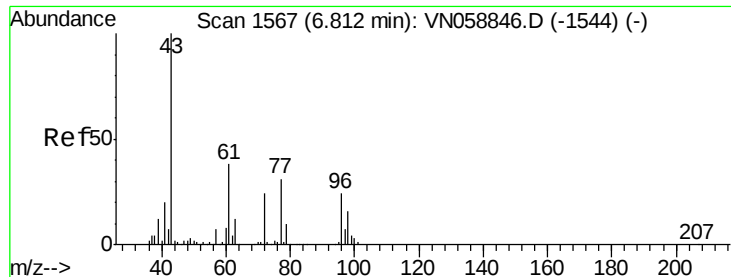
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#25

2-Butanone

Concen: 0.217 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

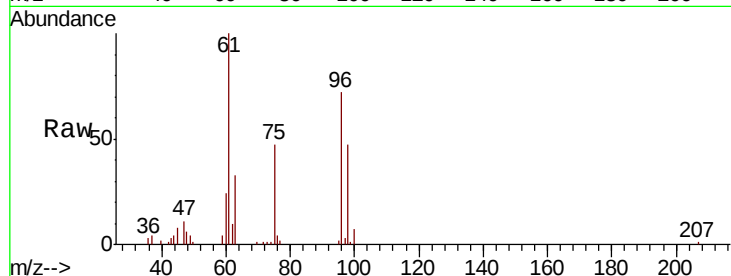
S32-0665DL

Tot Ion: 43 Resp: 706

Ion Ratio Lower Upper

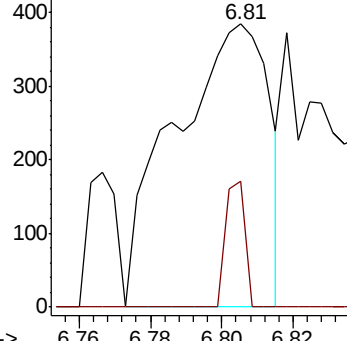
43 100

72 44.5 19.1 28.7#

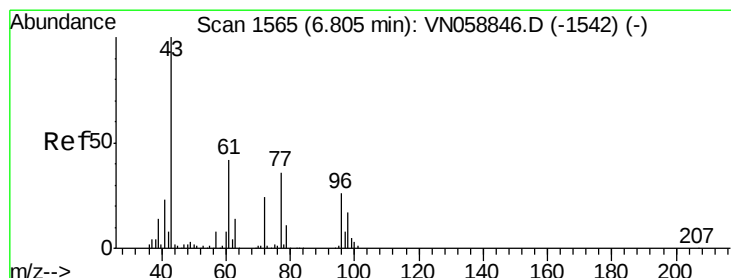
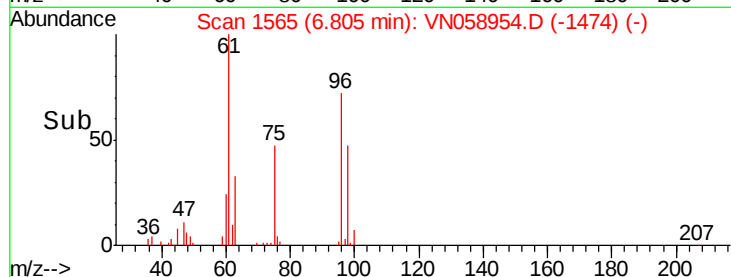


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 7.569 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

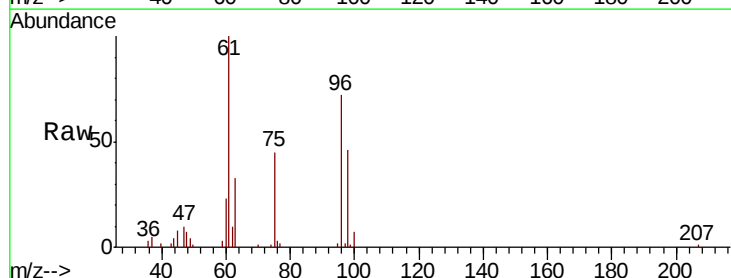
Tgt Ion: 96 Resp: 32568

Ion Ratio Lower Upper

96 100

61 138.0 0.0 325.0

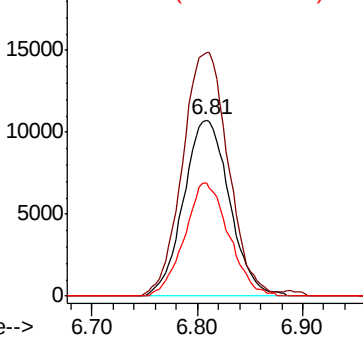
98 61.7 0.0 128.0



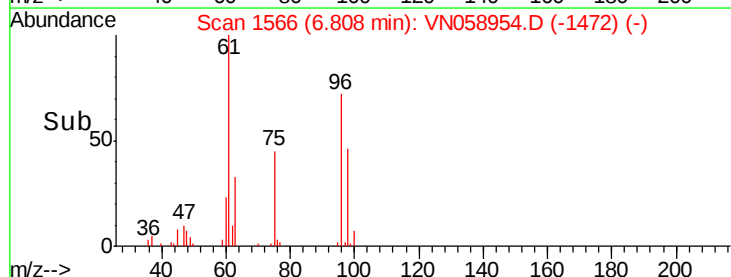
Abundance Ion 95.90 (95.60 to 96.60): VN0

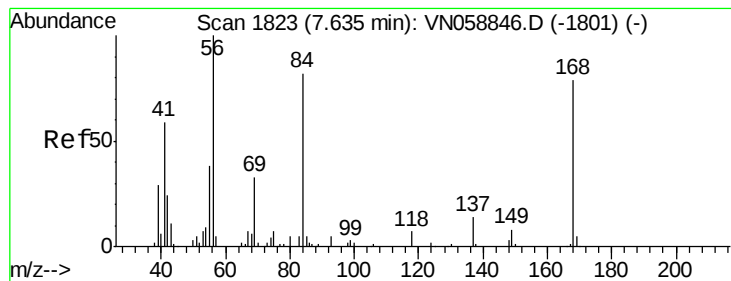
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

S32-0665DL

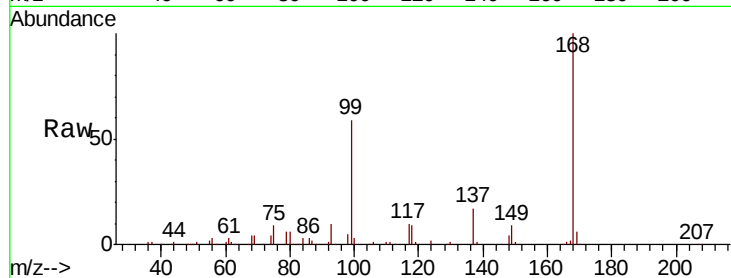
Tot Ion: 56 Resp: 8422

Ion Ratio Lower Upper

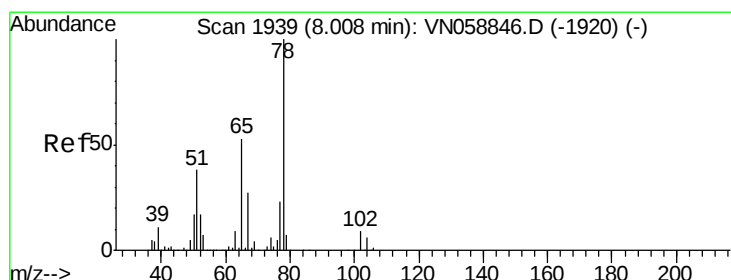
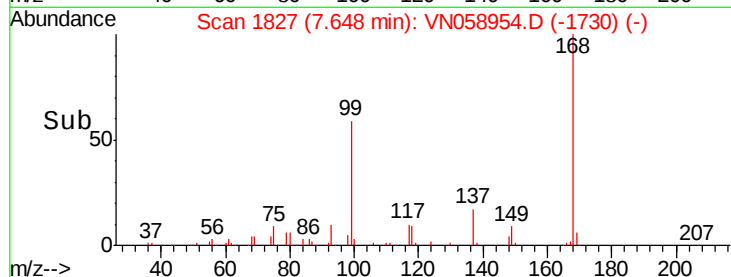
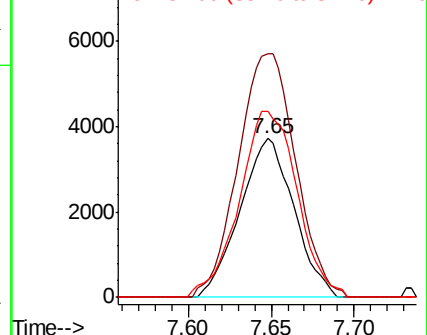
56 100

69 153.0 26.2 39.4#

84 112.7 65.6 98.4#



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: 52.312 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058954.D

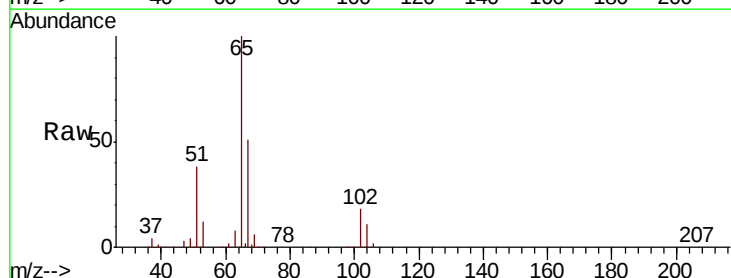
Acq: 24 Oct 2019 12:38

Tgt Ion: 65 Resp: 265436

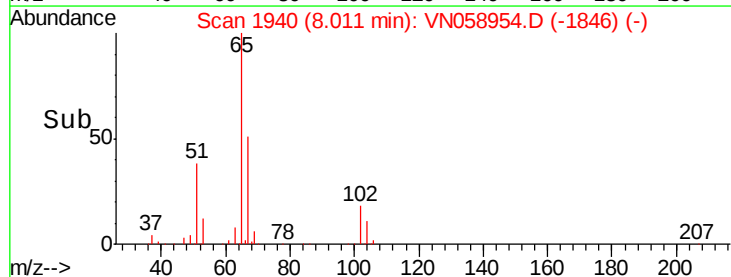
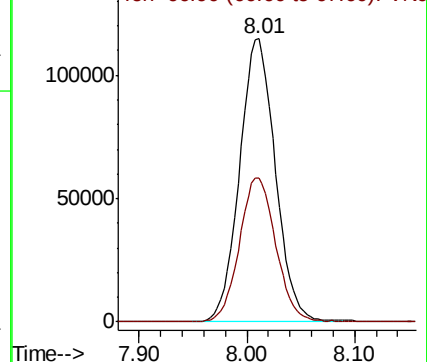
Ion Ratio Lower Upper

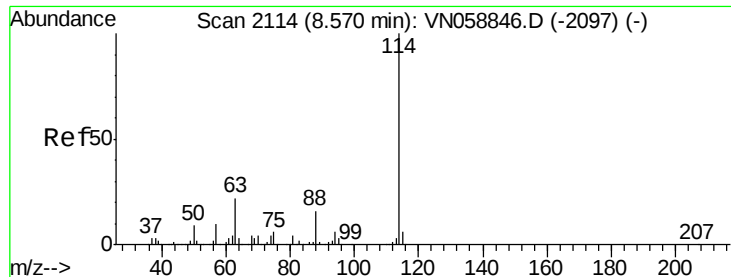
65 100

67 51.6 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO

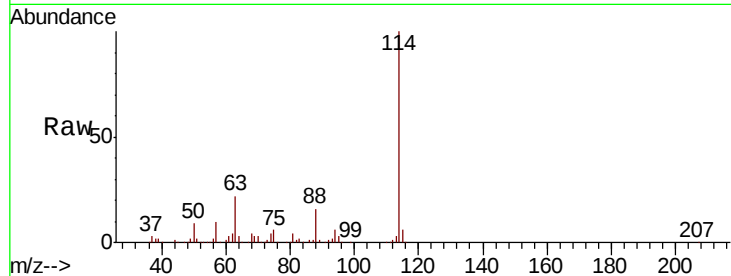




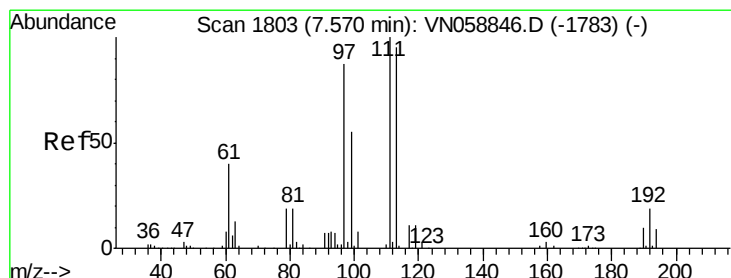
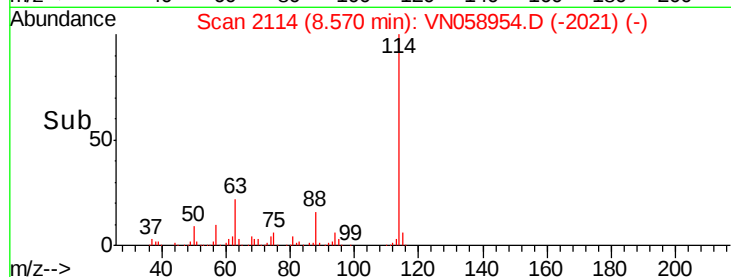
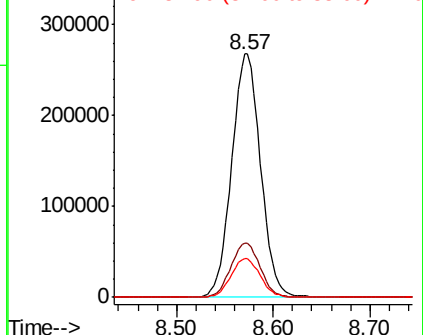
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0665DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.4
88	16.1	0.0	31.4

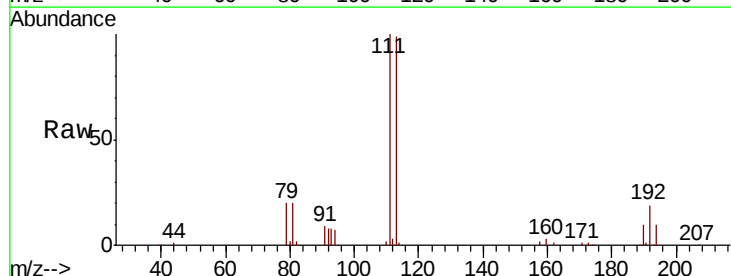


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

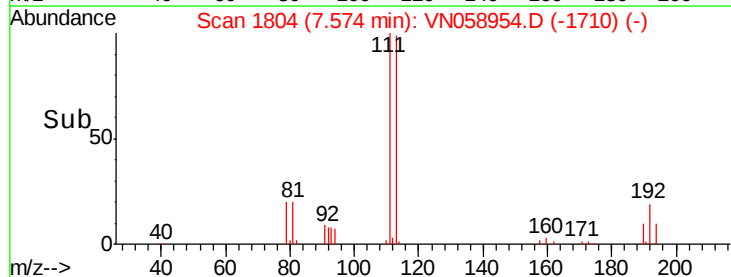
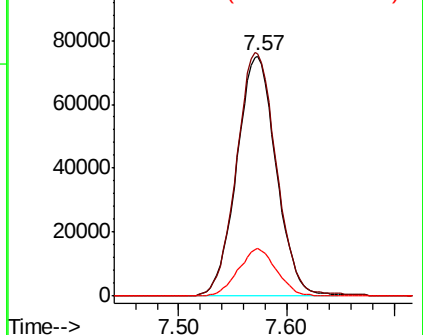


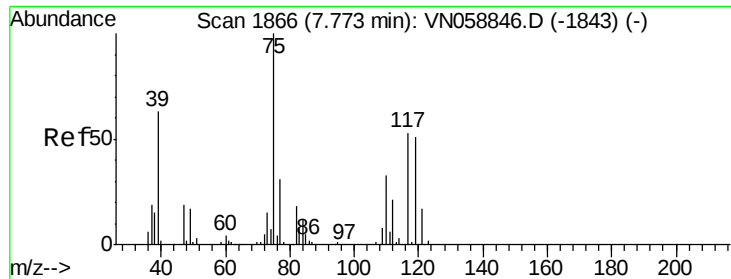
#35
 Dibromofluoromethane
 Concen: 52.077 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	19.2	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

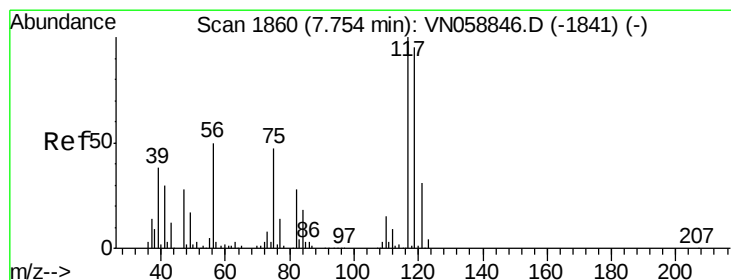
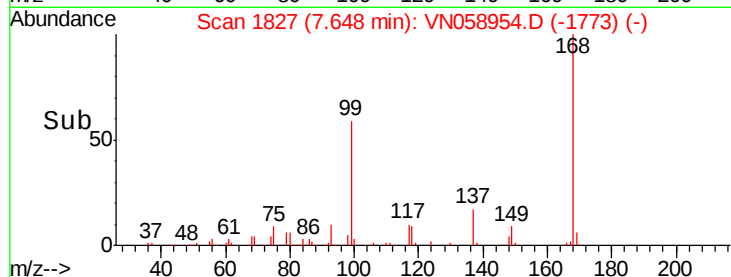
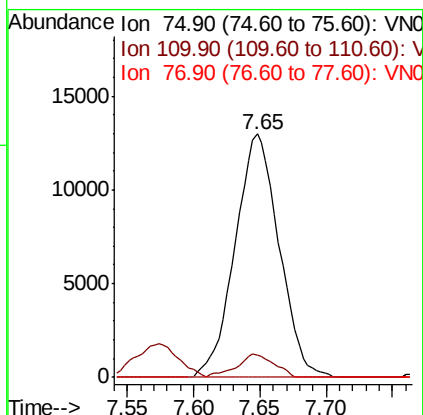
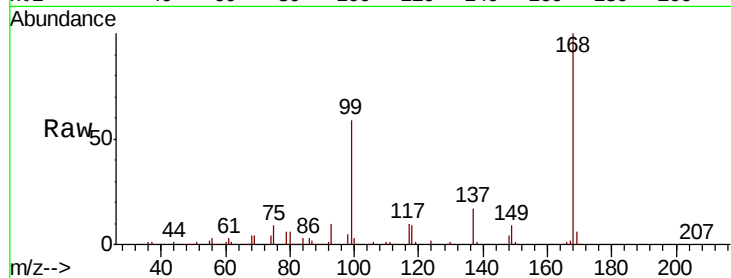




#36
 1,1-Dichloropropene
 Concen: 5.263 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

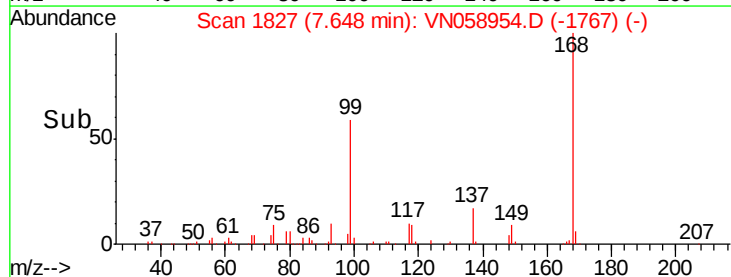
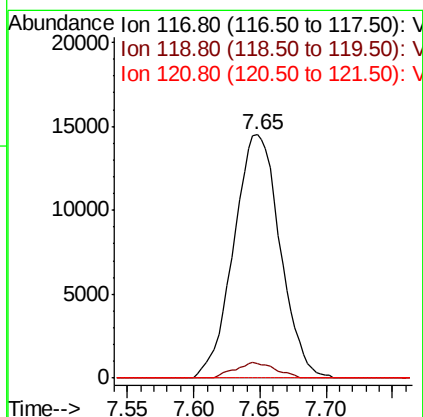
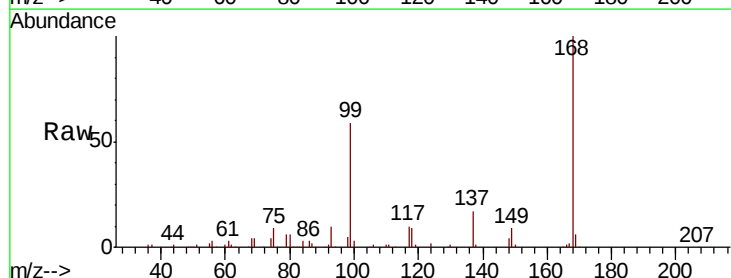
Instrument :
 MSVOA_N
 ClientSampled :
 S32-0665DL

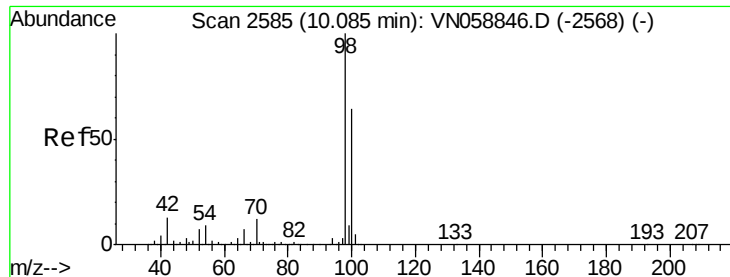
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.017 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 50.268 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

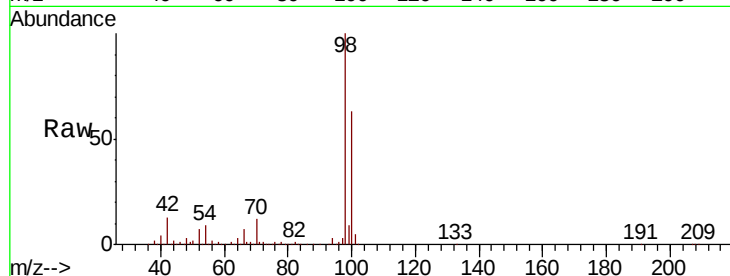
S32-0665DL

Tot Ion: 98 Resp: 713626

Ion Ratio Lower Upper

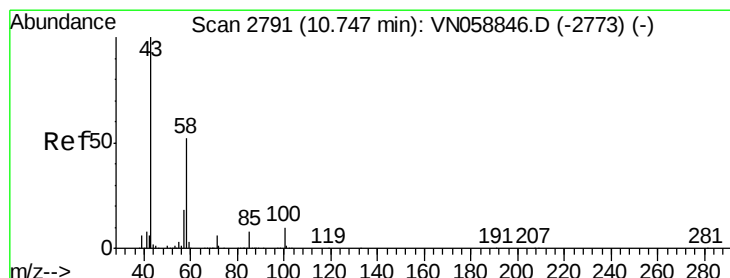
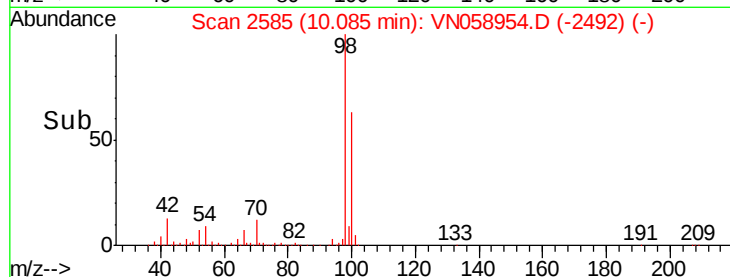
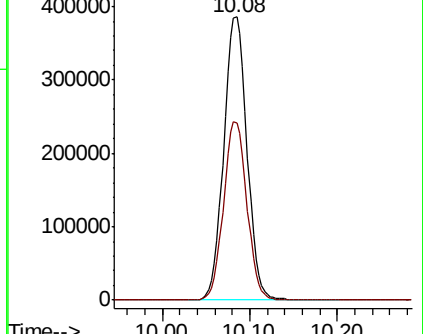
98 100

100 63.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 0.269 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN058954.D

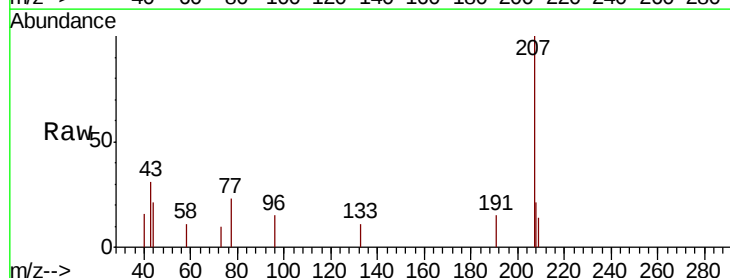
Acq: 24 Oct 2019 12:38

Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

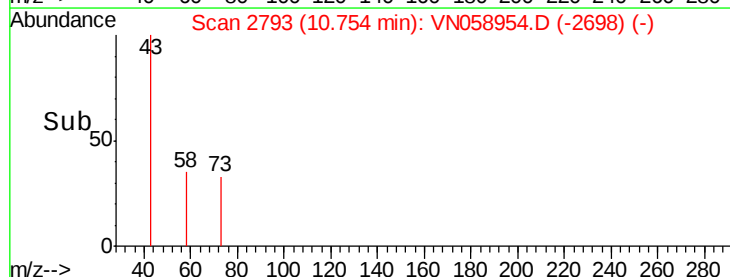
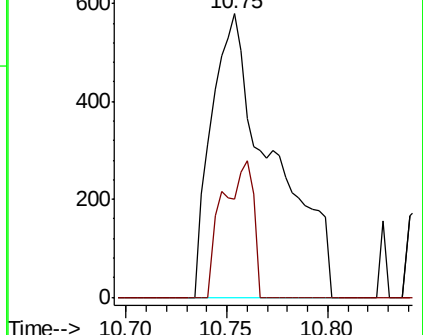
43 100

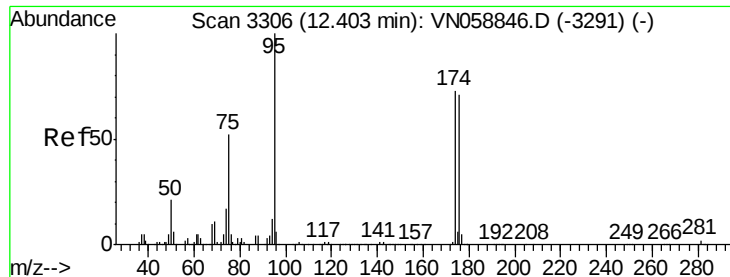
58 24.5 25.9 77.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 42.391 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

S32-0665DL

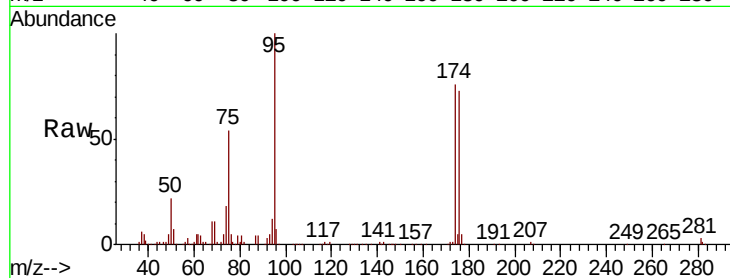
Tot Ion: 95 Resp: 220997

Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.6

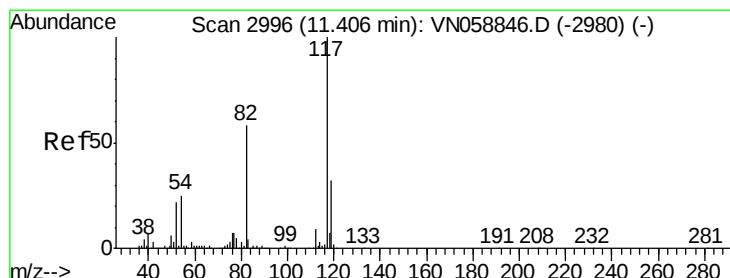
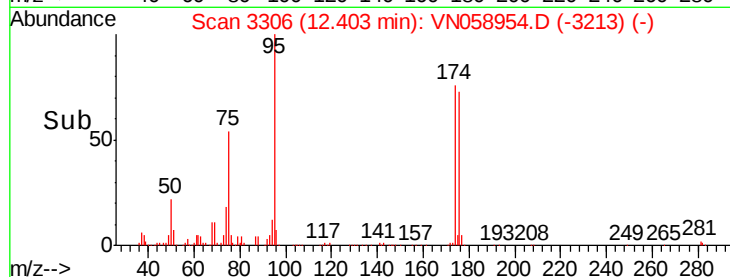
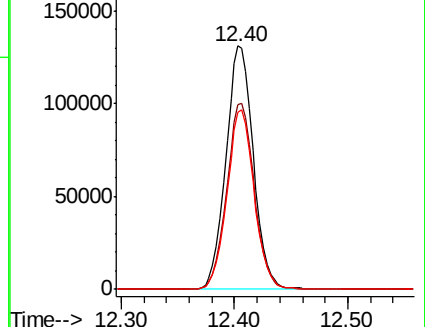
176 72.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

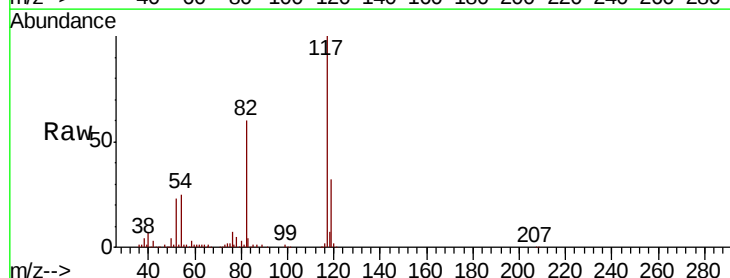
Tgt Ion: 117 Resp: 487537

Ion Ratio Lower Upper

117 100

82 59.7 46.6 69.8

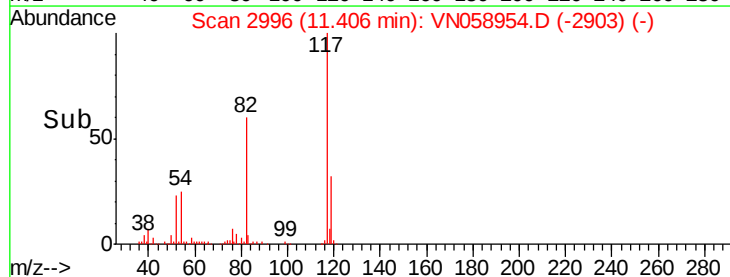
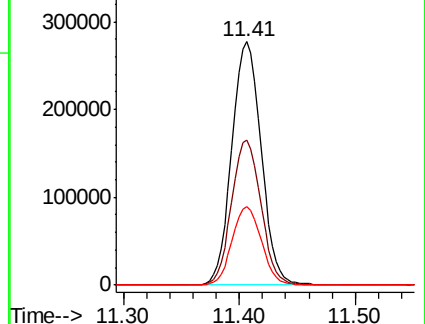
119 32.1 25.6 38.4

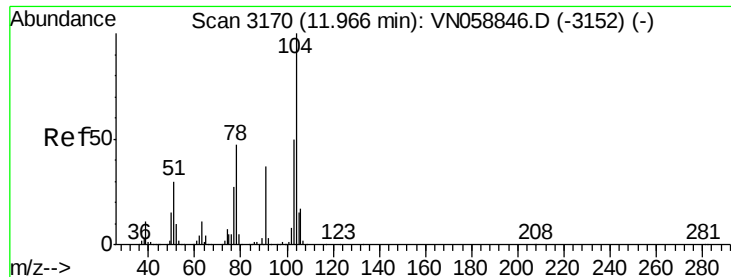


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)





#70

Stvrene

Concen: 1.743 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

S32-0665DL

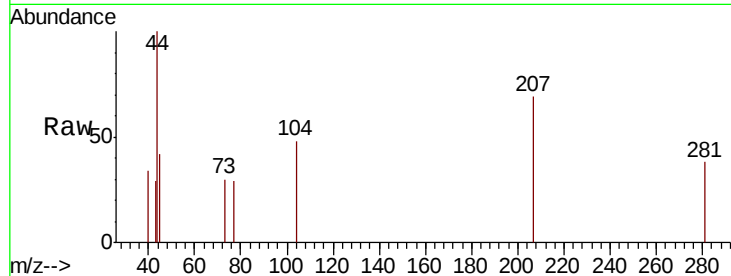
Tot Ion:104 Resp: 348

Ion Ratio Lower Upper

104 100

78 0.0 42.8 64.2#

103 18.1 44.3 66.5#

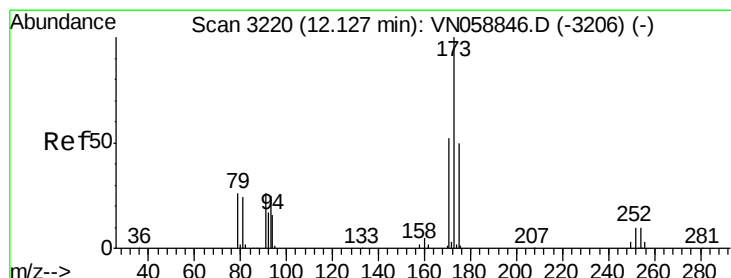
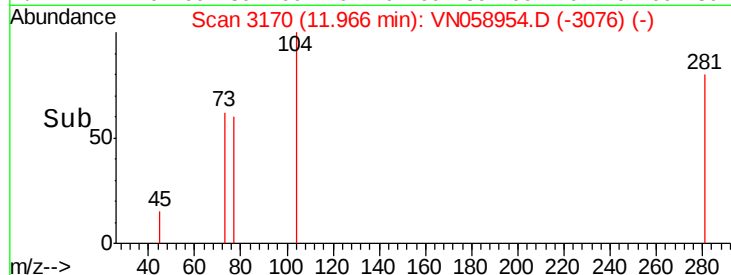


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

Time--> 11.94 11.96 11.98



#71

Bromoform

Concen: 0.501 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

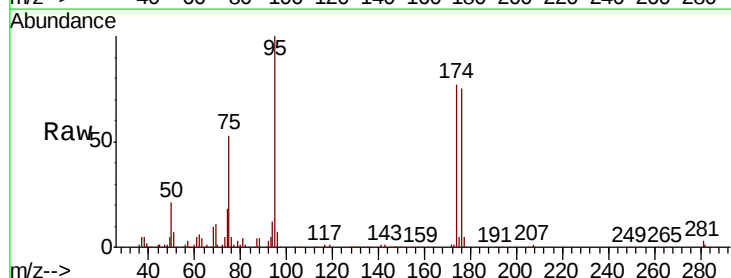
Tgt Ion:173 Resp: 1456

Ion Ratio Lower Upper

173 100

175 670.2 24.7 74.1#

254 0.0 0.0 0.0

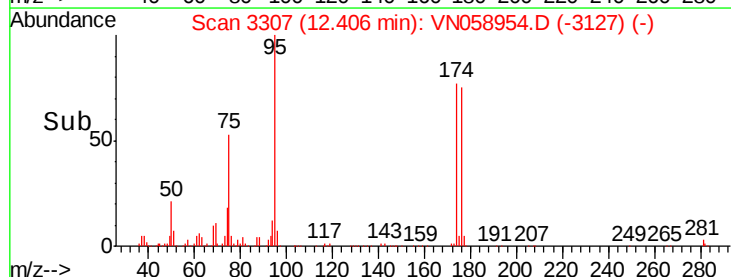


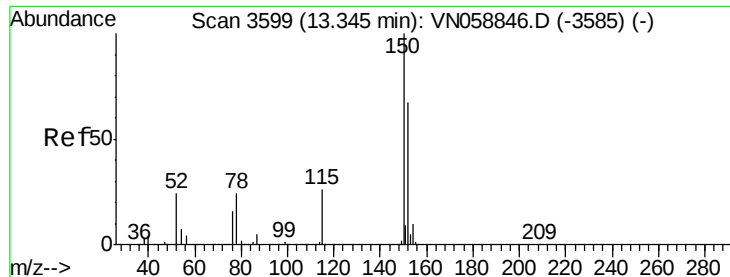
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time--> 12.36 12.38 12.40 12.42





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

S32-0665DL

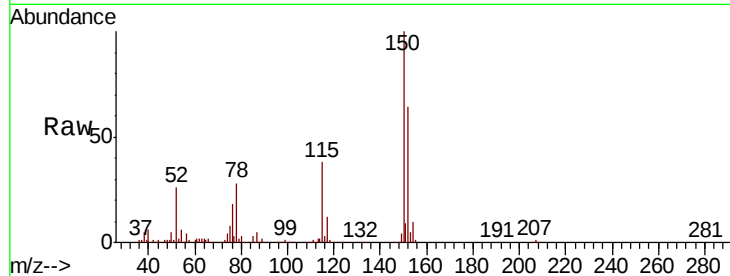
Tot Ion:152 Resp: 175441

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

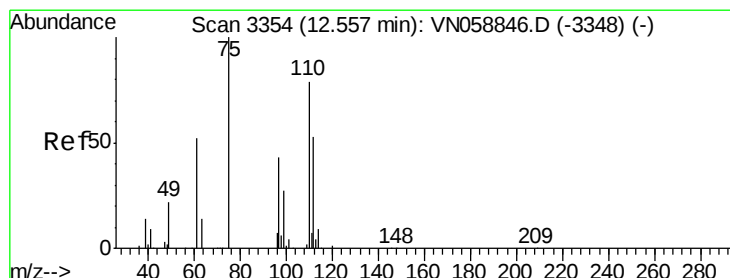
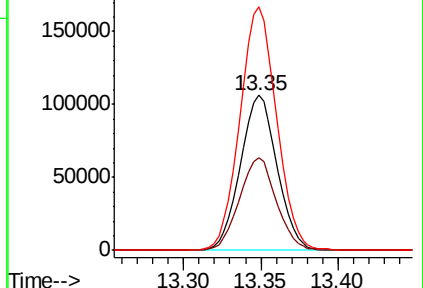
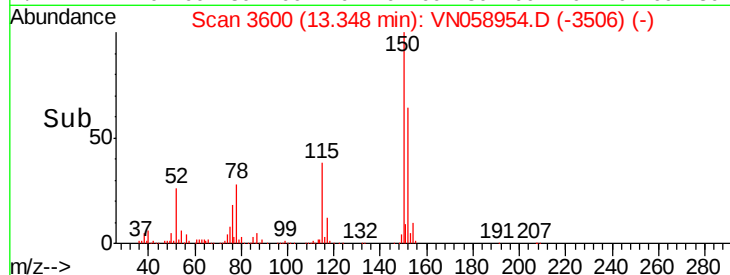
150 157.5 0.0 344.4



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: 29.063 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058954.D

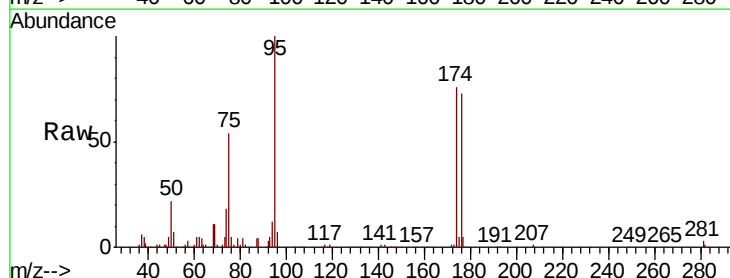
Acq: 24 Oct 2019 12:38

Tgt Ion: 75 Resp: 118172

Ion Ratio Lower Upper

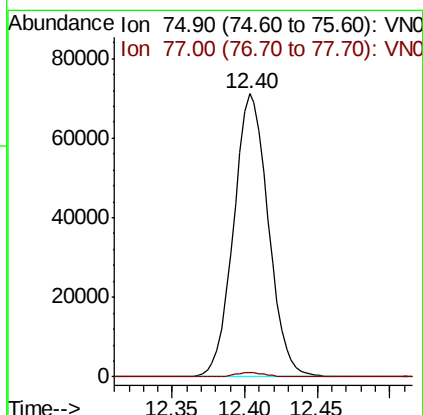
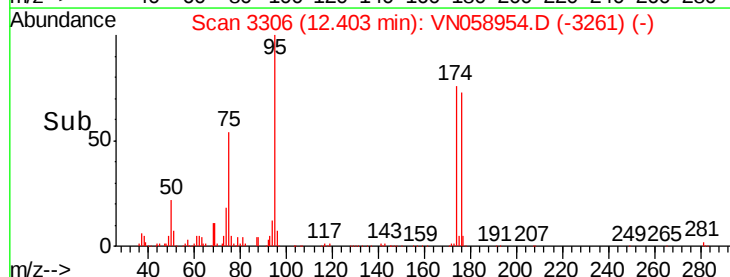
75 100

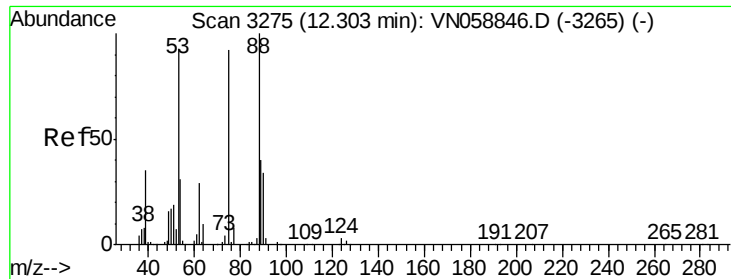
77 1.4 0.0 0.0#



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: 75.712 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

S32-0665DL

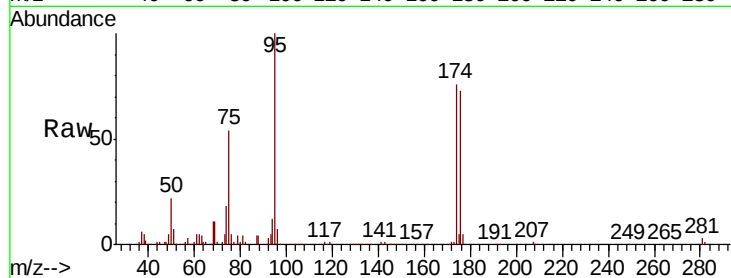
Tot Ion: 75 Resp: 118172

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

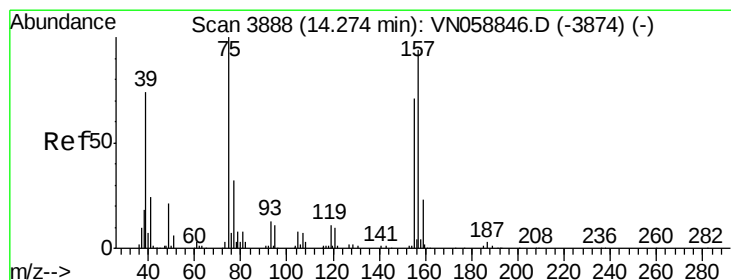
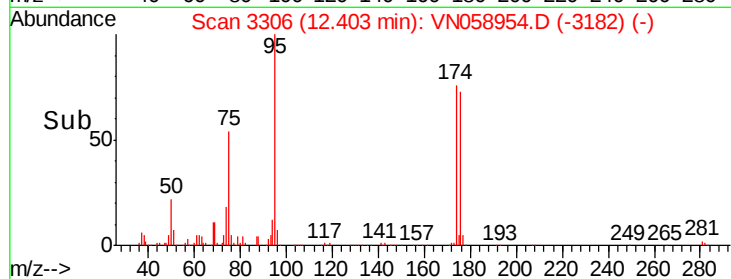
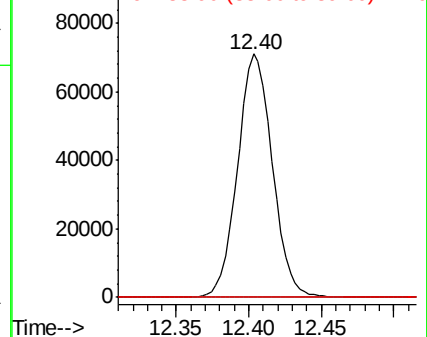
89 0.0 35.4 53.0#



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: 0.307 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058954.D

Acq: 24 Oct 2019 12:38

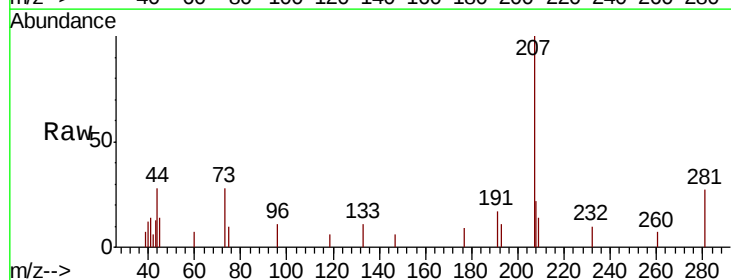
Tgt Ion: 75 Resp: 313

Ion Ratio Lower Upper

75 100

155 0.0 35.6 106.8#

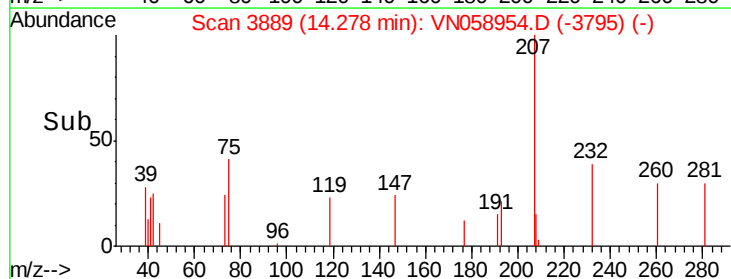
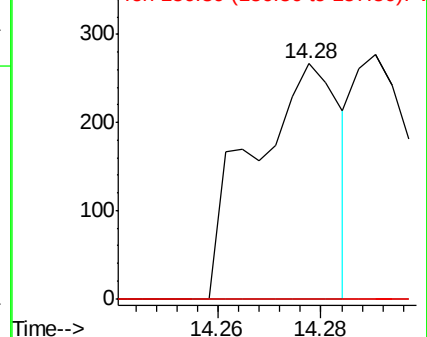
157 0.0 47.4 142.2#

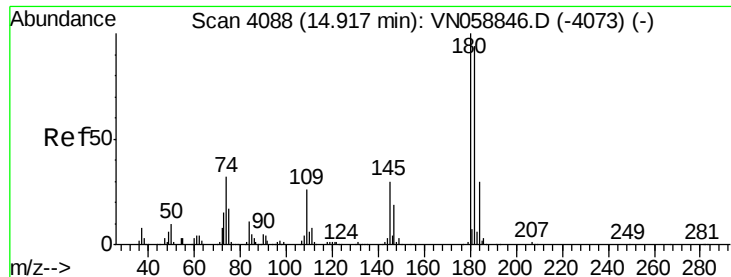


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

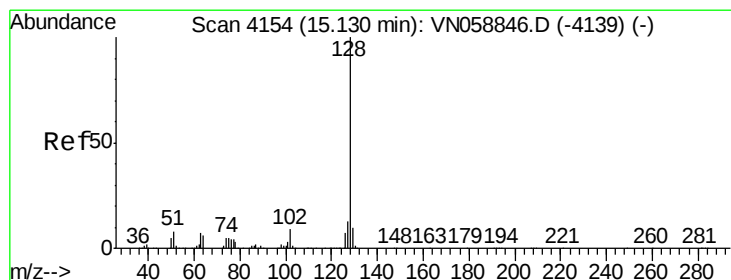
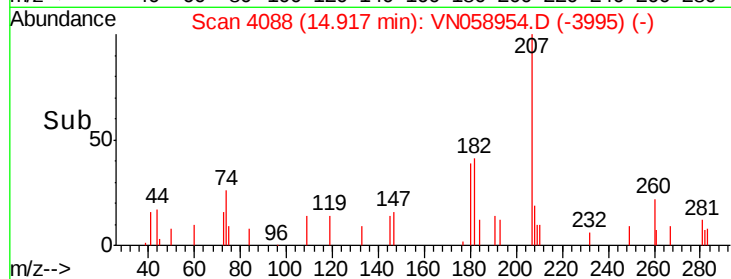
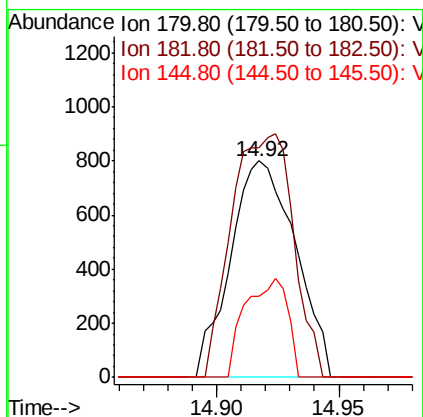
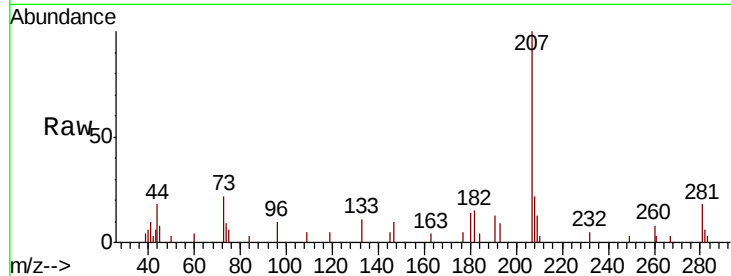




#93
 1,2,4-Trichlorobenzene
 Concen: 2.921 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

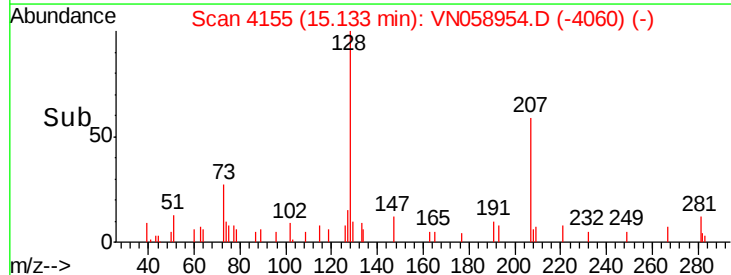
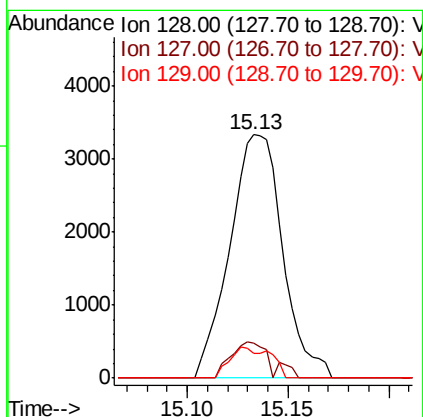
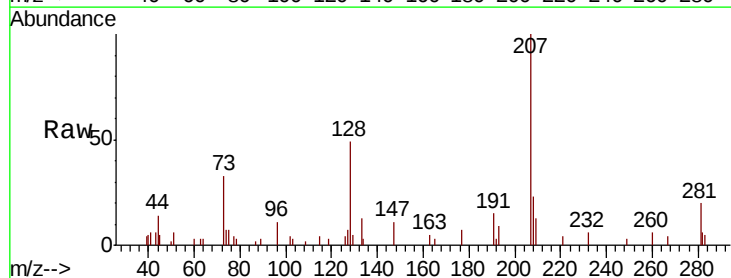
Instrument :
 MSVOA_N
 ClientSampled :
 S32-0665DL

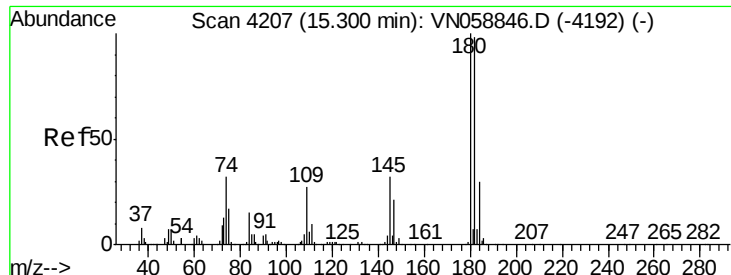
Tot Ion:180 Resp: 1476
 Ion Ratio Lower Upper
 180 100
 182 107.6 47.3 142.0
 145 29.7 15.3 45.8



#95
 Naphthalene
 Concen: 2.808 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

Tgt Ion:128 Resp: 6124
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.2 15.2#
 129 9.9 8.4 12.6

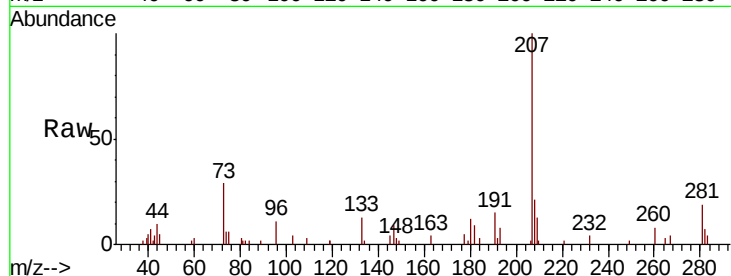




#96
 1,2,3-Trichlorobenzene
 Concen: 2.900 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058954.D
 Acq: 24 Oct 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0665DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.8	47.9	143.7
145	38.8	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

