

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058666.D
 Acq On : 10 Oct 2019 1:03
 Operator : JC/SP
 Sample : K5261-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0555

Quant Time: Oct 10 04:45:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	444097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	214701	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	302669	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	7.57	113	214985	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.09	98	845086	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	264080	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

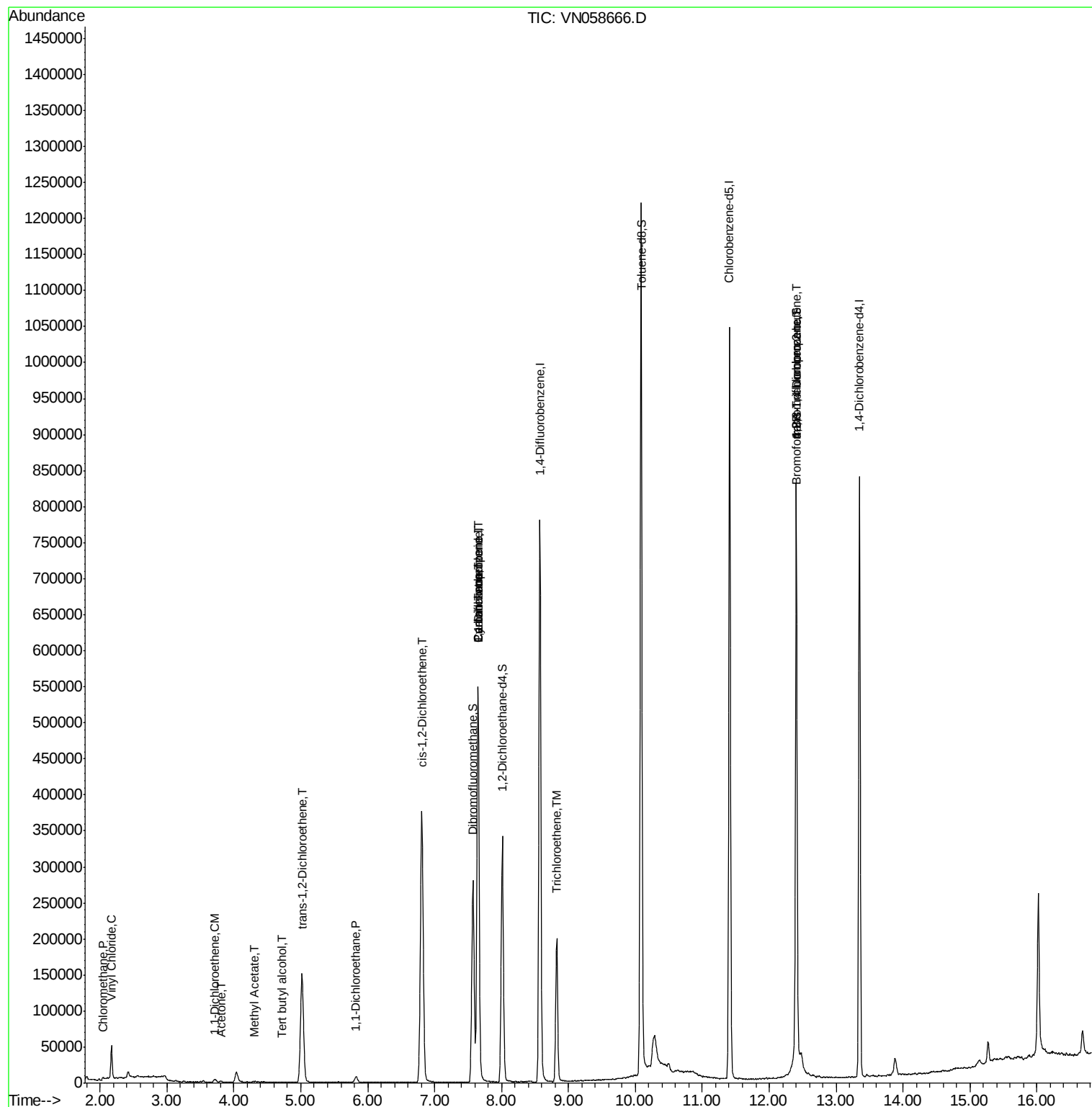
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2864	0.535	ug/l	92
4) Vinyl Chloride	2.17	62	41485	7.911	ug/l	97
11) Tert butyl alcohol	4.72	59	232	0.322	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	2327	0.555	ug/l #	73
16) Acetone	3.80	43	1336	0.604	ug/l #	65
18) Methyl Acetate	4.31	43	1564	0.281	ug/l #	53
21) trans-1,2-Dichloroethene	5.01	96	96732	20.764	ug/l	97
24) 1,1-Dichloroethane	5.82	63	13809	1.496	ug/l #	91
27) cis-1,2-Dichloroethene	6.81	96	243208	44.667	ug/l	88
31) Cyclohexane	7.64	56	10123	1.127	ug/l #	21
36) 1,1-Dichloropropene	7.64	75	36713	5.525	ug/l #	46
38) Carbon Tetrachloride	7.65	117	43598	7.268	ug/l #	17
44) Trichloroethene	8.82	130	71241	15.104	ug/l	99
60) Dibromochloromethane	10.62	129	78	Below Cal	#	11
71) Bromoform	12.39	173	99	0.731	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	143165	36.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	143165	110.878	ug/l #	7

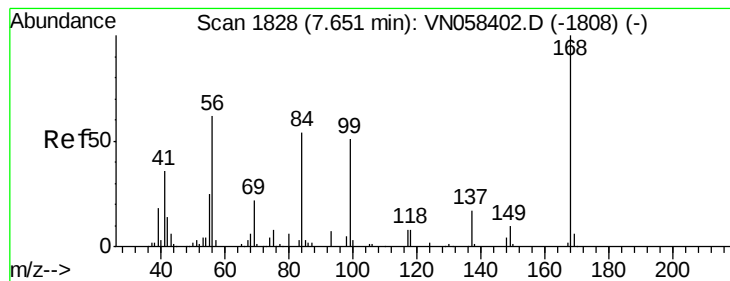
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

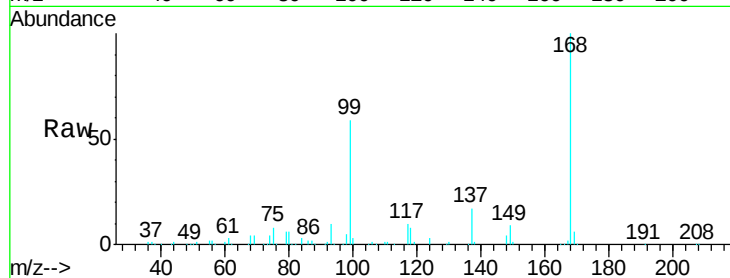
S49-0555

Tgt Ion:168 Resp: 444097

Ion Ratio Lower Upper

168 100

99 58.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

200000

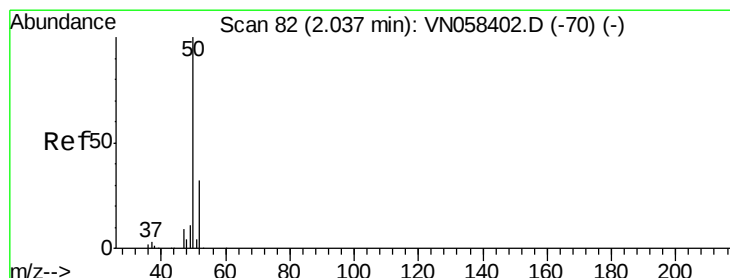
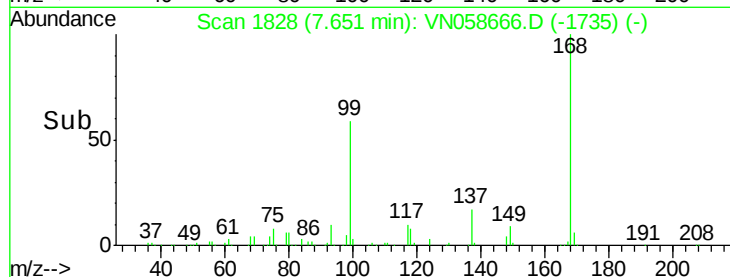
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.535 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058666.D

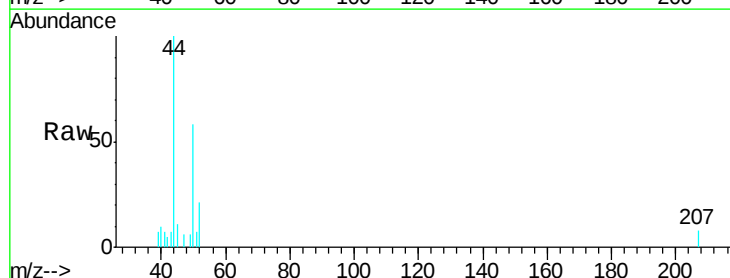
Acq: 10 Oct 2019 1:03

Tgt Ion: 50 Resp: 2864

Ion Ratio Lower Upper

50 100

52 37.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN058402.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058402.D (-70) (-)

2.04

2000

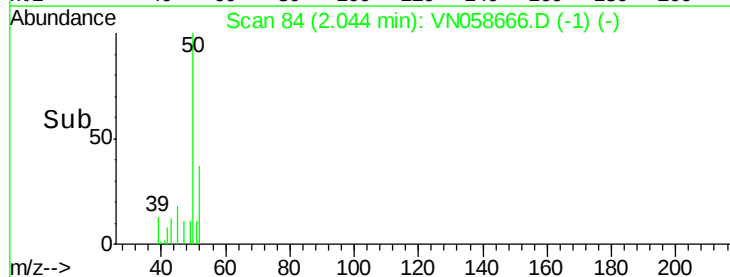
1500

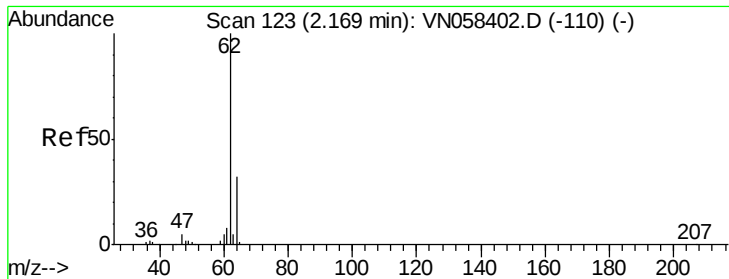
1000

500

0

Time--> 2.00 2.05 2.10





#4

Vinyl Chloride

Concen: 7.911 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

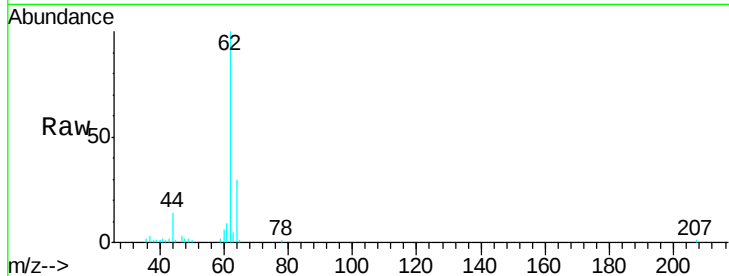
S49-0555

Tgt Ion: 62 Resp: 41485

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

30000

25000

20000

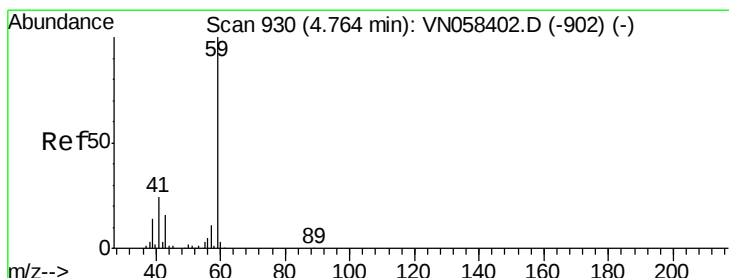
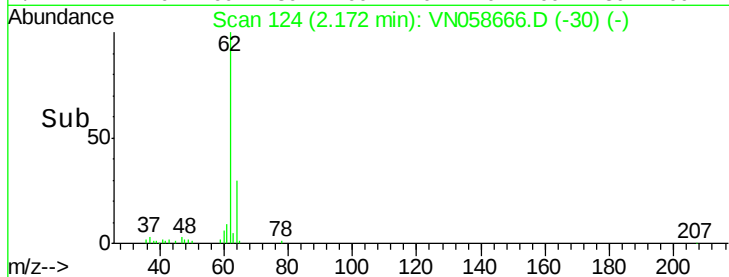
15000

10000

5000

0

Time--> 2.10 2.15 2.20 2.25



#11

Tert butyl alcohol

Concen: 0.322 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.05 min

Lab File: VN058666.D

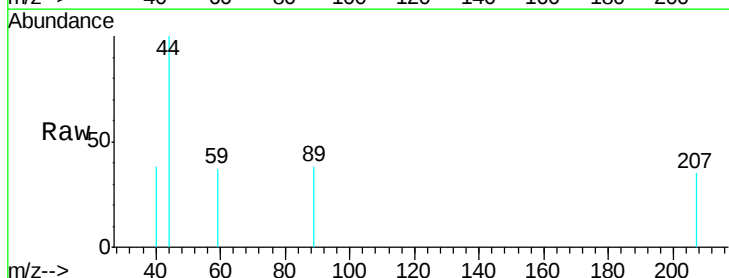
Acq: 10 Oct 2019 1:03

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

250

200

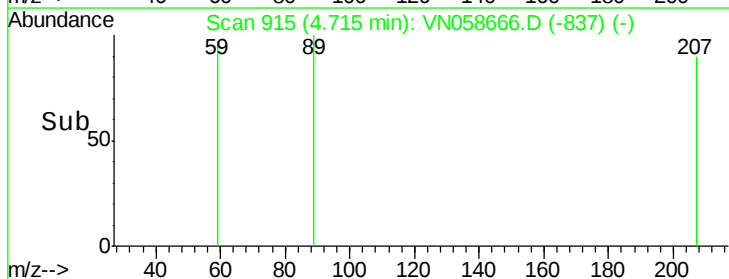
150

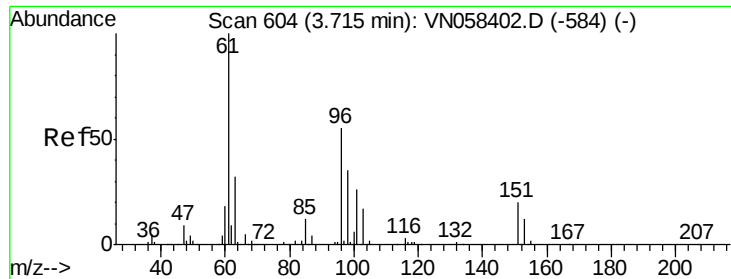
100

50

0

Time--> 4.70 4.72 4.74

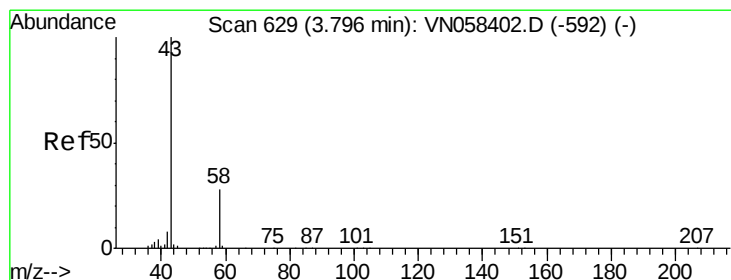
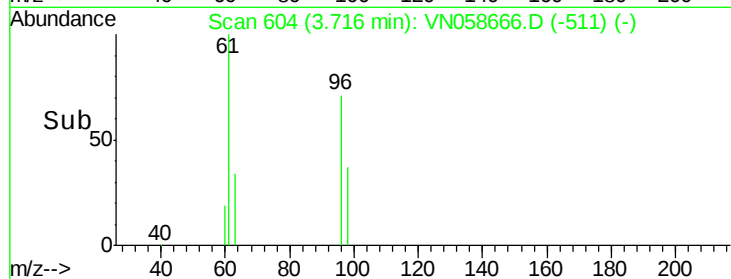
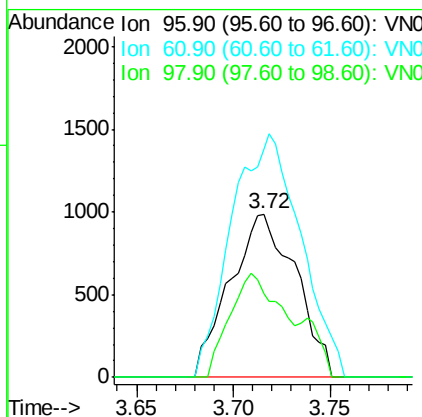
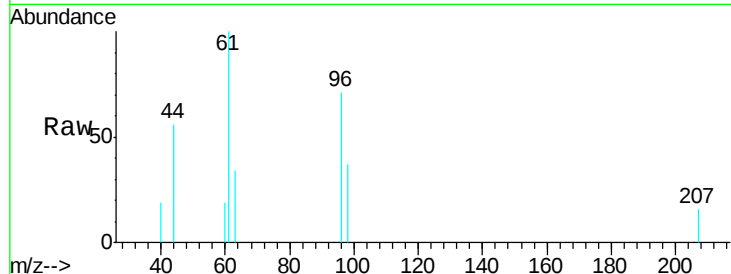




#12
 1,1-Dichloroethene
 Concen: 0.555 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058666.D
 Acq: 10 Oct 2019 1:03

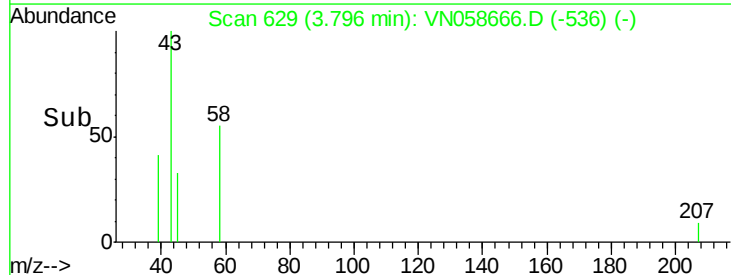
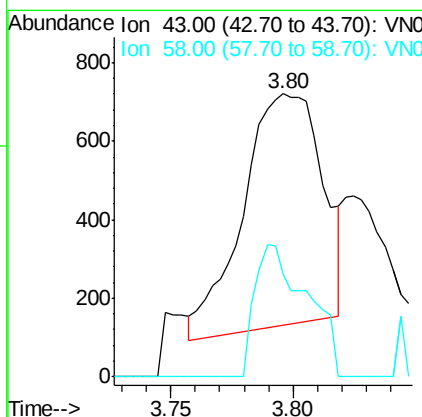
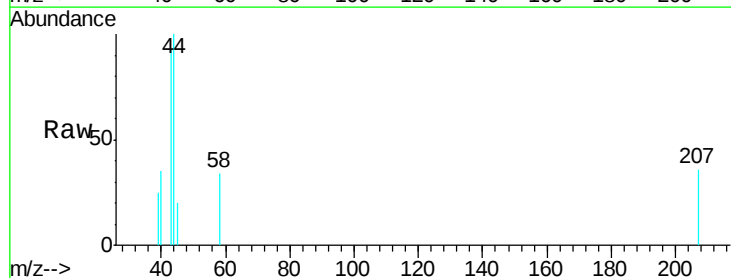
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0555

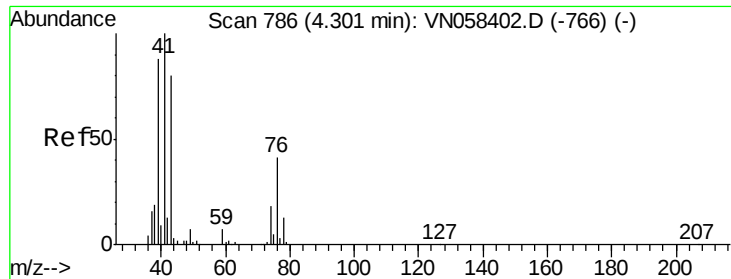
Tgt Ion: 96 Resp: 2327
 Ion Ratio Lower Upper
 96 100
 61 140.0 146.7 220.1#
 98 51.4 51.3 76.9



#16
 Acetone
 Concen: 0.604 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN058666.D
 Acq: 10 Oct 2019 1:03

Tgt Ion: 43 Resp: 1336
 Ion Ratio Lower Upper
 43 100
 58 46.3 22.4 33.6#

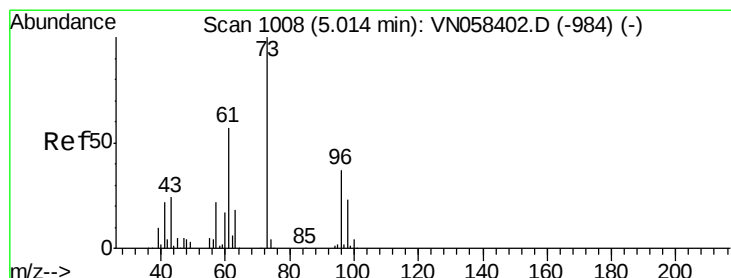
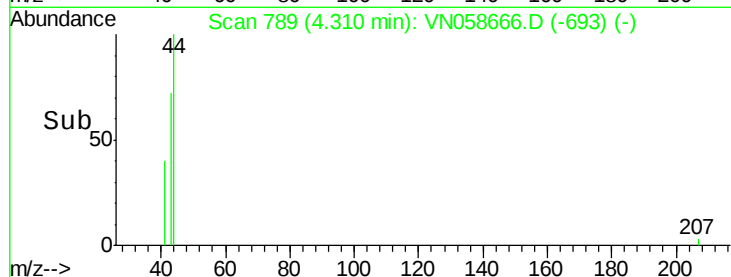
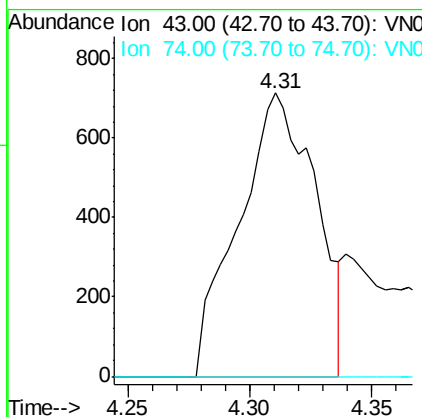
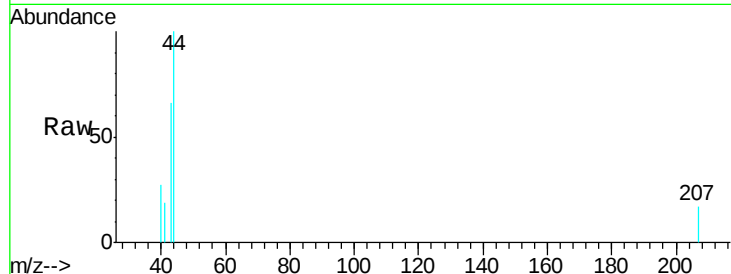




#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058666.D
Acq: 10 Oct 2019 1:03

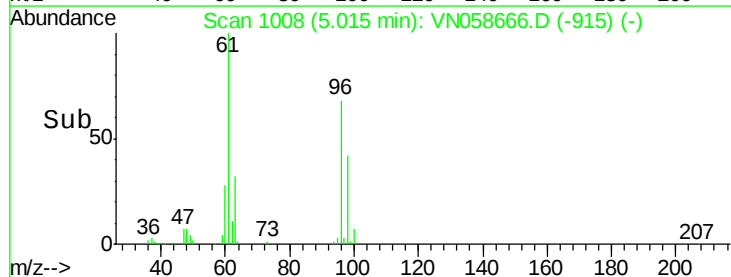
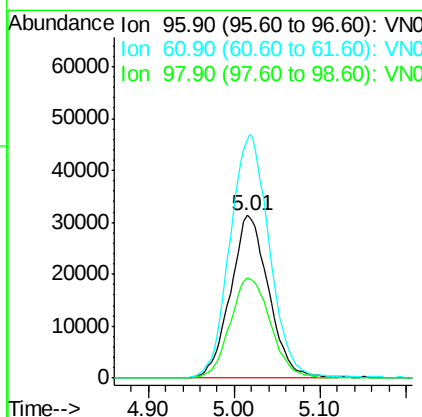
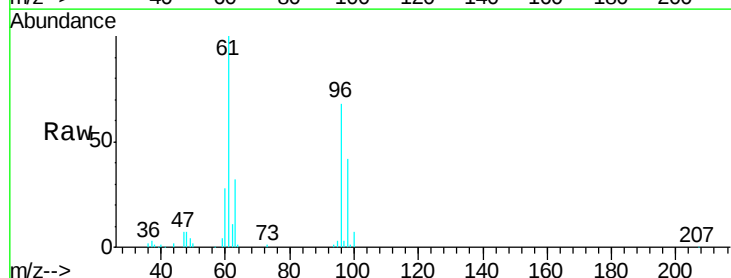
Instrument :
MSVOA_N
ClientSampleId :
S49-0555

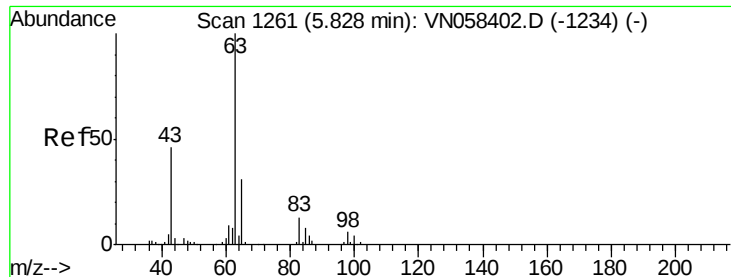
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#21
trans-1,2-Dichloroethene
Concen: 20.764 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058666.D
Acq: 10 Oct 2019 1:03

Tgt Ion: 96 Resp: 96732
Ion Ratio Lower Upper
96 100
61 146.4 121.9 182.9
98 61.3 49.3 73.9





#24

1,1-Dichloroethane

Concen: 1.496 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

S49-0555

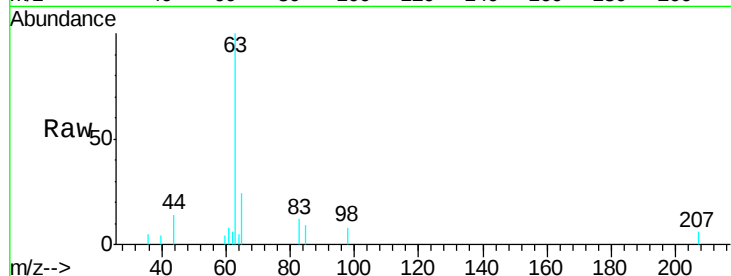
Tgt Ion: 63 Resp: 13809

Ion Ratio Lower Upper

63 100

98 8.2 3.0 9.0

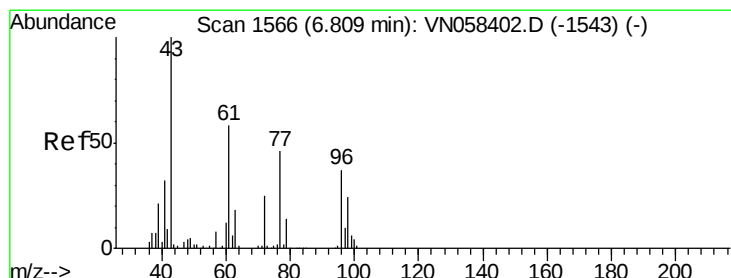
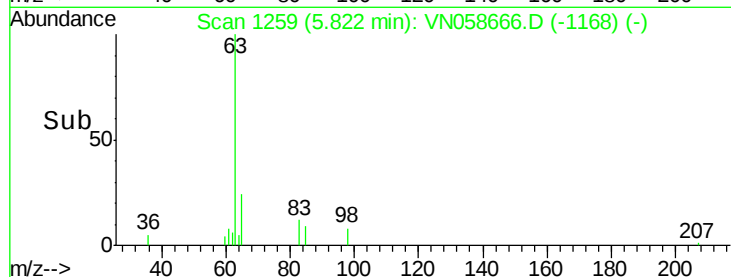
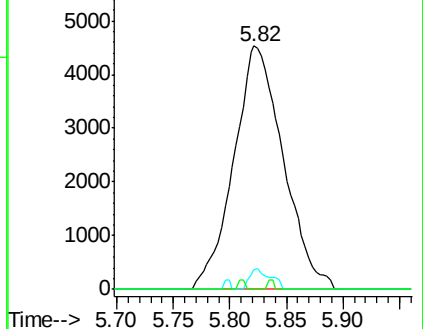
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN058402.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058402.D (-1234) (-)



#27

cis-1,2-Dichloroethene

Concen: 44.667 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

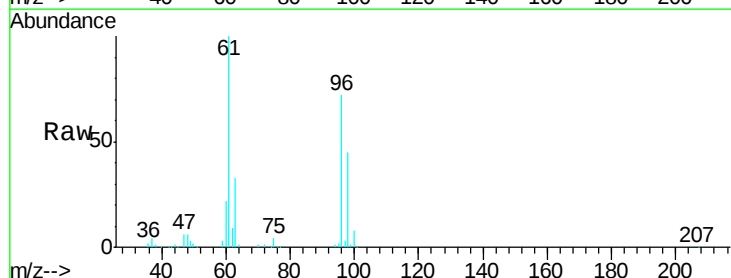
Tgt Ion: 96 Resp: 243208

Ion Ratio Lower Upper

96 100

61 138.3 0.0 318.8

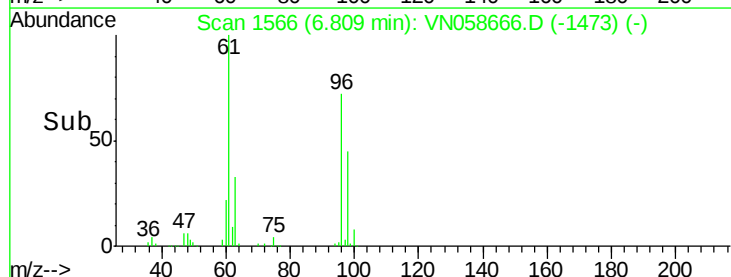
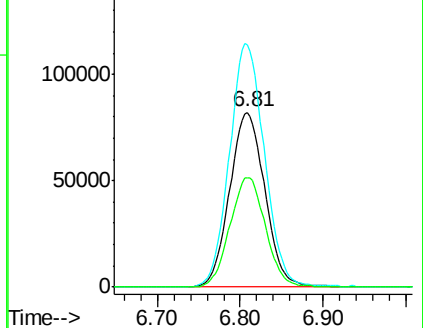
98 63.3 0.0 129.8

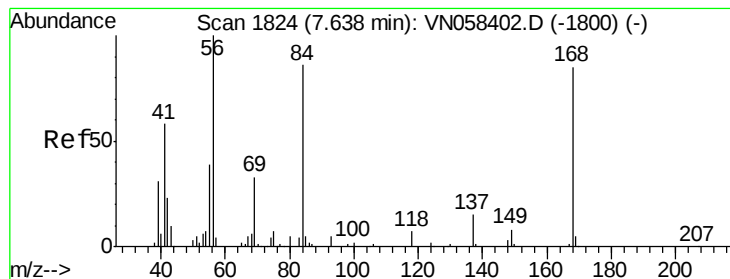


Abundance Ion 95.90 (95.60 to 96.60): VN058402.D (-1543) (-)

Ion 60.90 (60.60 to 61.60): VN058402.D (-1543) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1543) (-)





#31

Cyclohexane

Concen: 1.127 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

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S49-0555

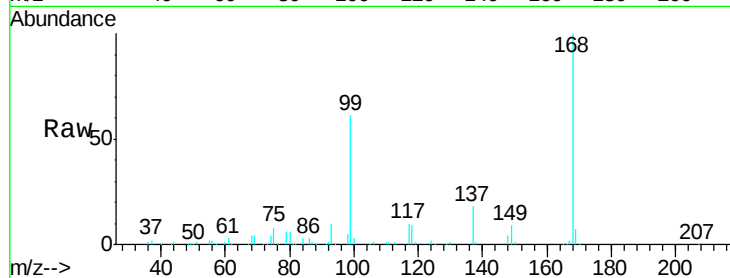
Tgt Ion: 56 Resp: 10123

Ion Ratio Lower Upper

56 100

69 149.3 26.2 39.4#

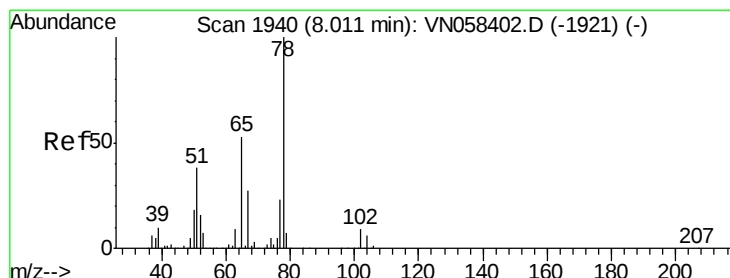
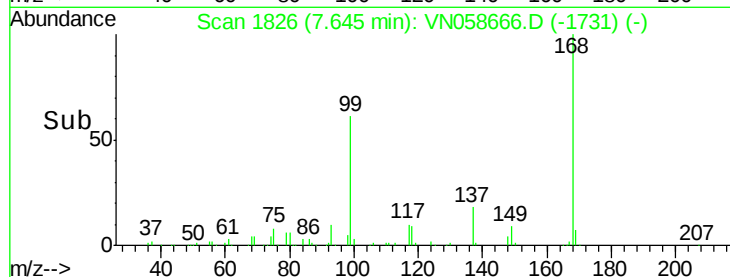
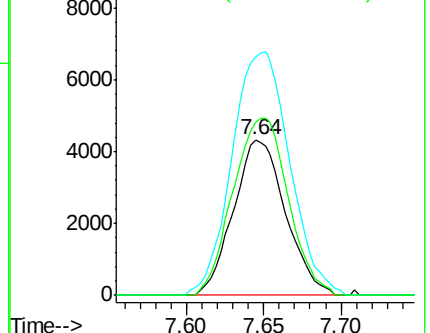
84 111.6 67.6 101.4#



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: 46.638 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058666.D

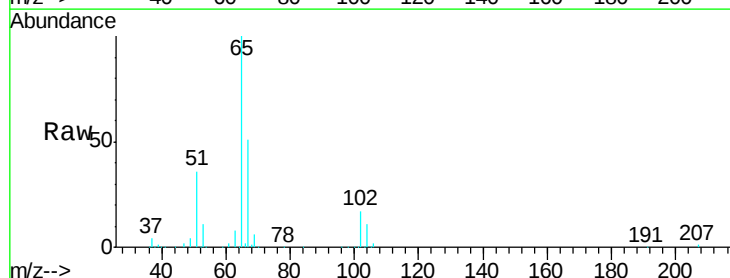
Acq: 10 Oct 2019 1:03

Tgt Ion: 65 Resp: 302669

Ion Ratio Lower Upper

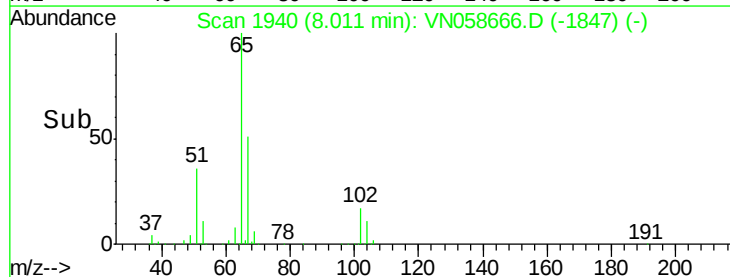
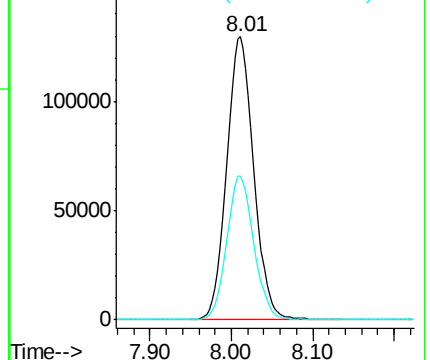
65 100

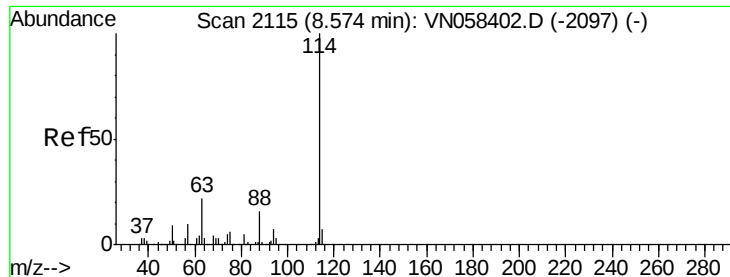
67 50.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

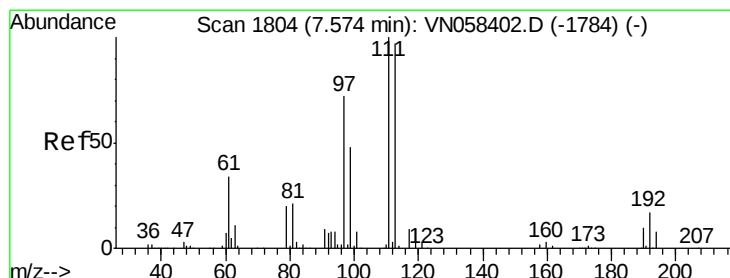
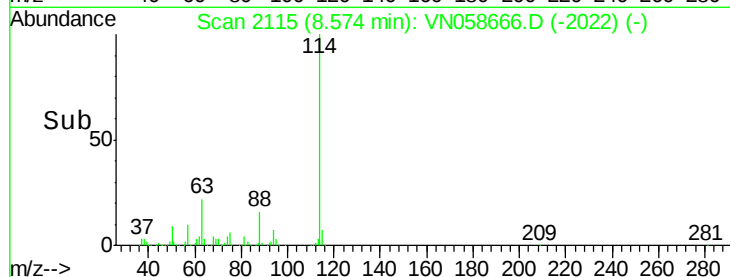
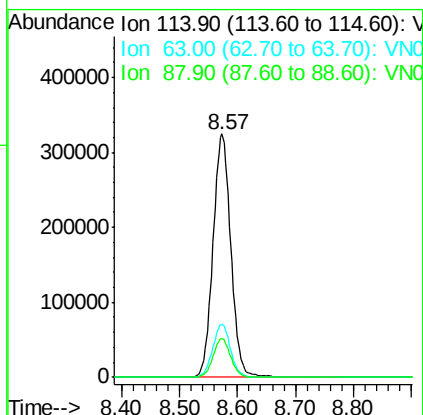
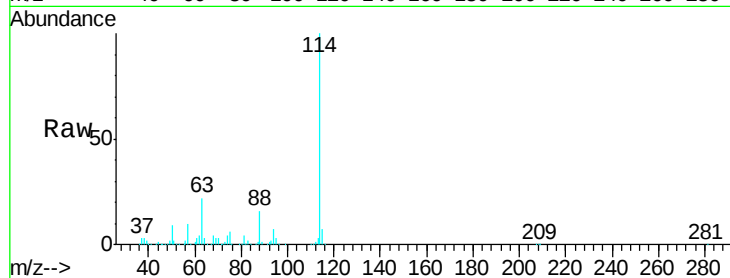




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058666.D
Acq: 10 Oct 2019 1:03

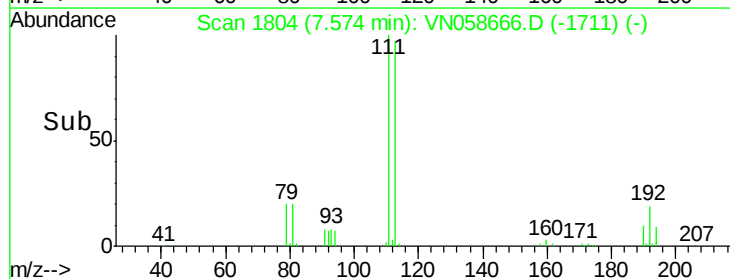
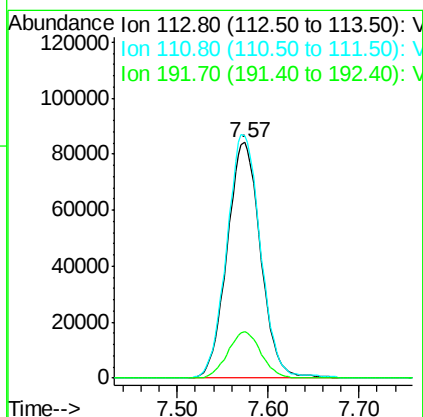
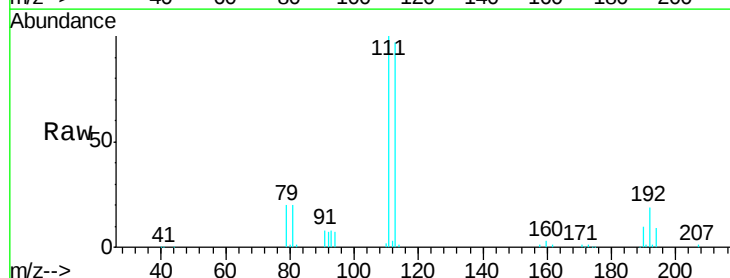
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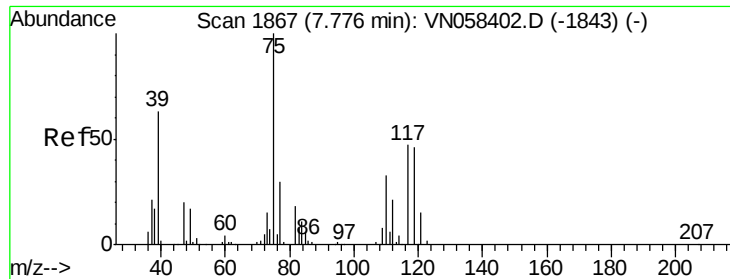
Tgt Ion:114 Resp: 694980
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.0
88 16.2 0.0 32.2



#35
Dibromofluoromethane
Concen: 50.472 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058666.D
Acq: 10 Oct 2019 1:03

Tgt Ion:113 Resp: 214985
Ion Ratio Lower Upper
113 100
111 104.4 83.4 125.2
192 19.7 14.9 22.3

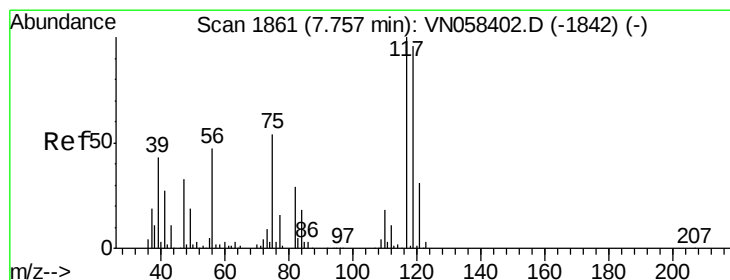
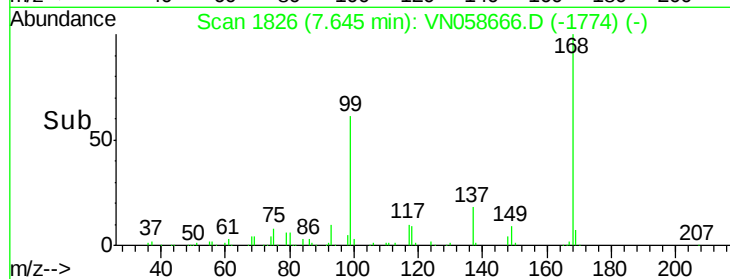
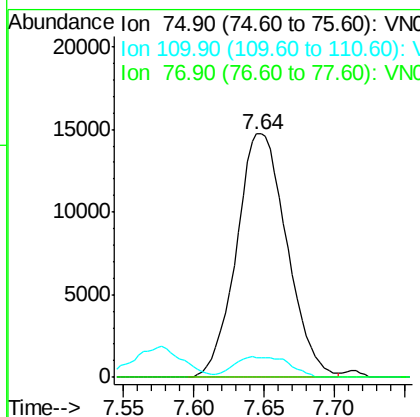
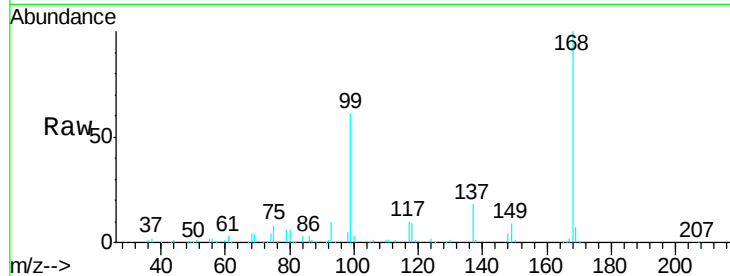




#36
 1,1-Dichloropropene
 Concen: 5.525 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058666.D
 Acq: 10 Oct 2019 1:03

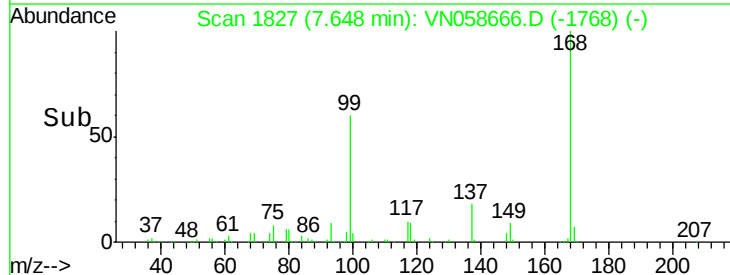
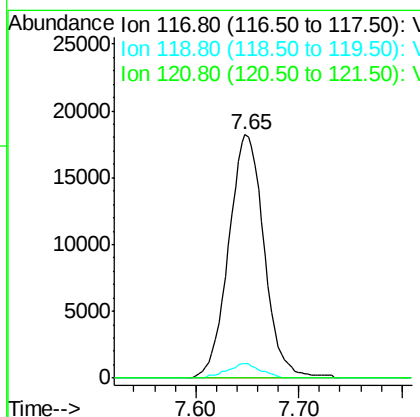
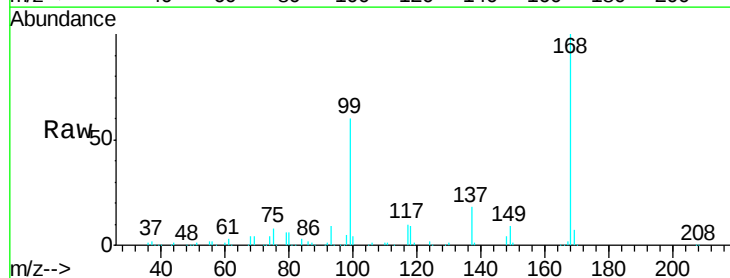
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0555

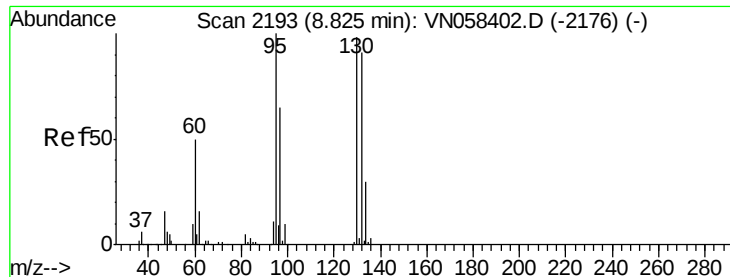
Tgt Ion: 75 Resp: 36713
 Ion Ratio Lower Upper
 75 100
 110 3.7 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.268 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058666.D
 Acq: 10 Oct 2019 1:03

Tgt Ion: 117 Resp: 43598
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.6 115.0#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 15.104 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

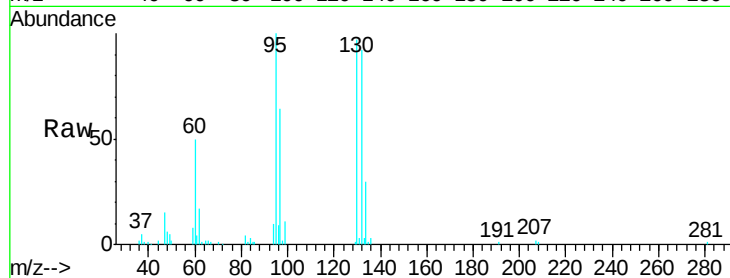
S49-0555

Tgt Ion:130 Resp: 71241

Ion Ratio Lower Upper

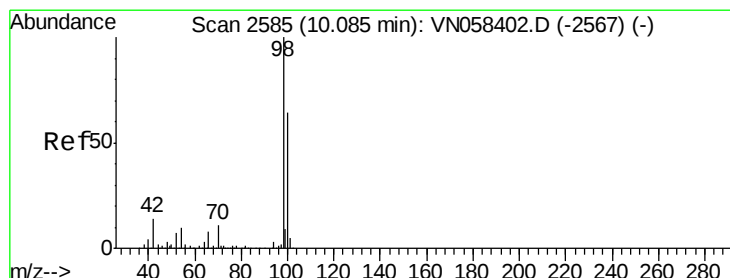
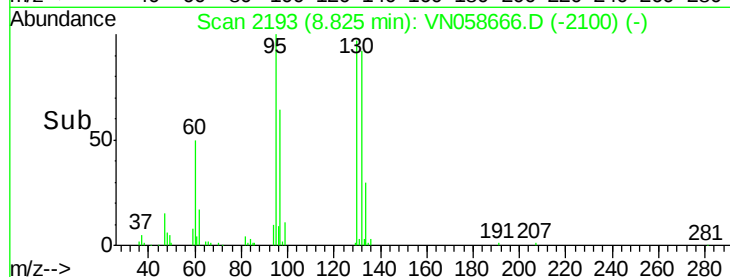
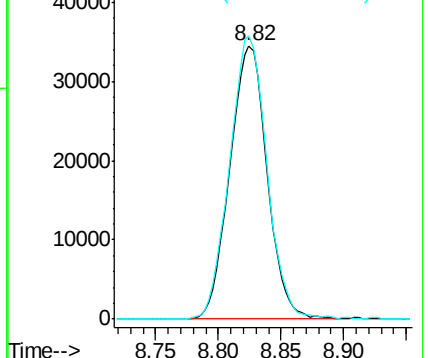
130 100

95 103.6 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 50.646 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058666.D

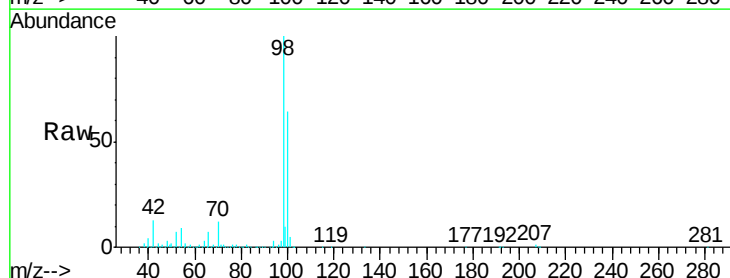
Acq: 10 Oct 2019 1:03

Tgt Ion: 98 Resp: 845086

Ion Ratio Lower Upper

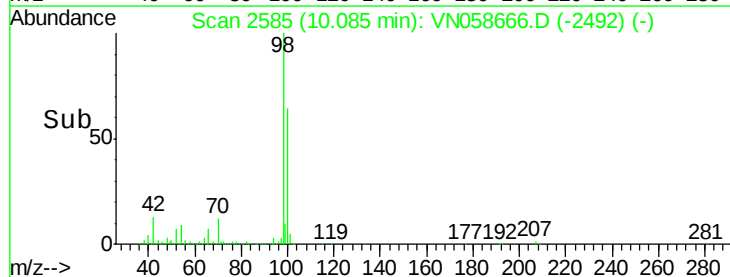
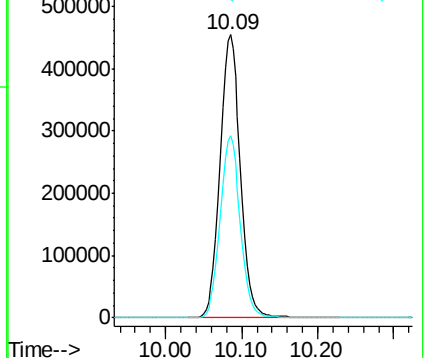
98 100

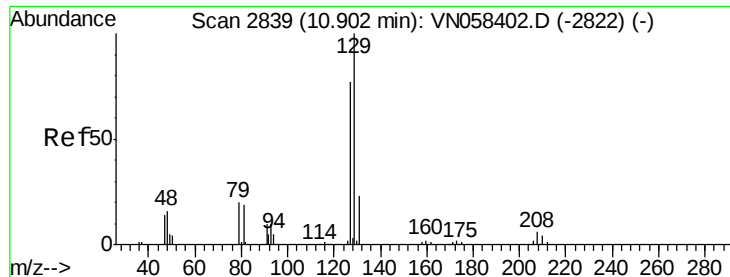
100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.62 min Scan# 2752

Delta R.T. -0.28 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

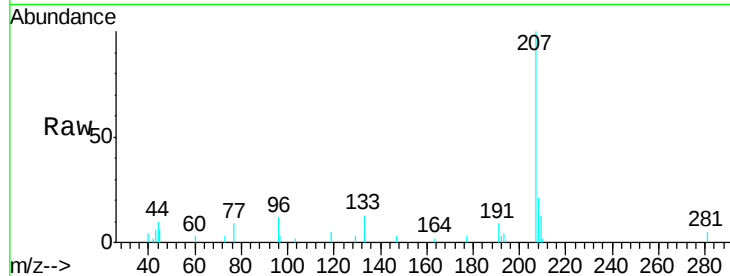
S49-0555

Tgt Ion: 129 Resp: 78

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

200

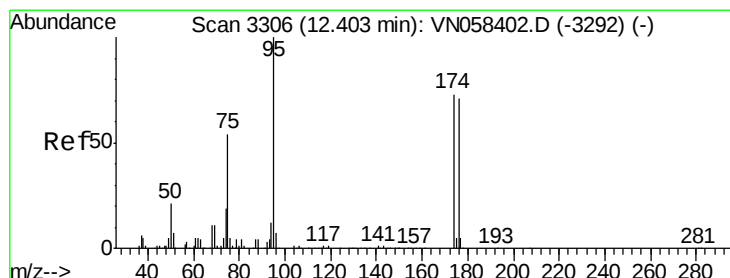
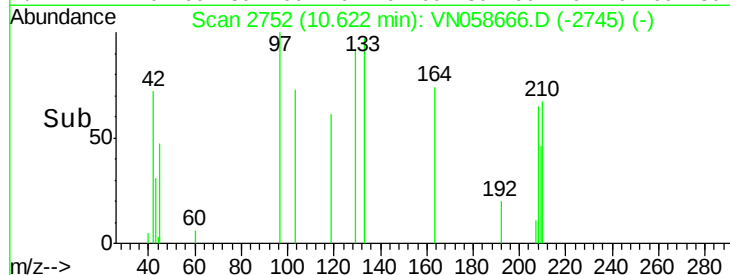
150

100

50

0

Time--> 10.61 10.62 10.63



#62

4-Bromofluorobenzene

Concen: 43.770 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

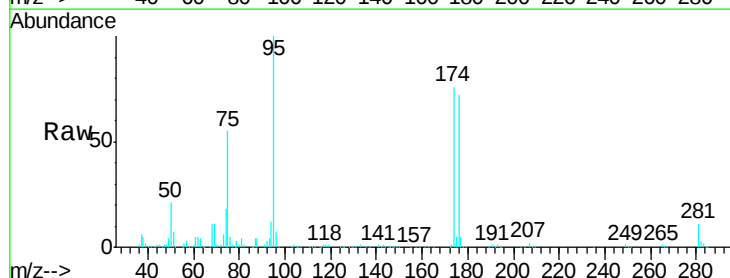
Tgt Ion: 95 Resp: 264080

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

176 73.2 0.0 146.2



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

200000

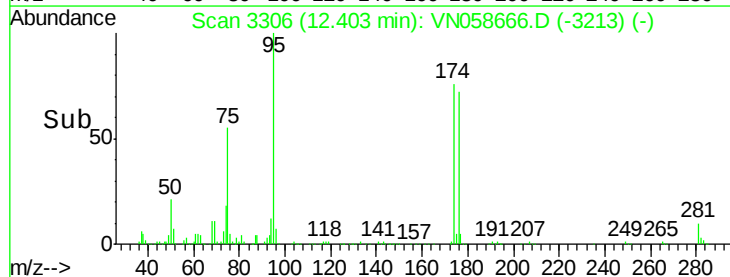
150000

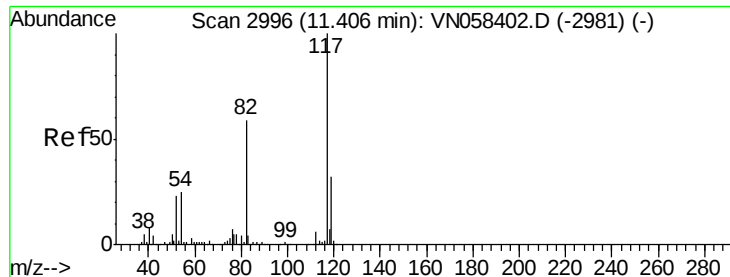
100000

50000

0

Time--> 12.35 12.40 12.45

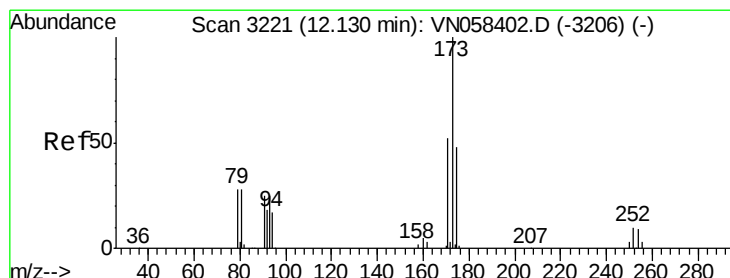
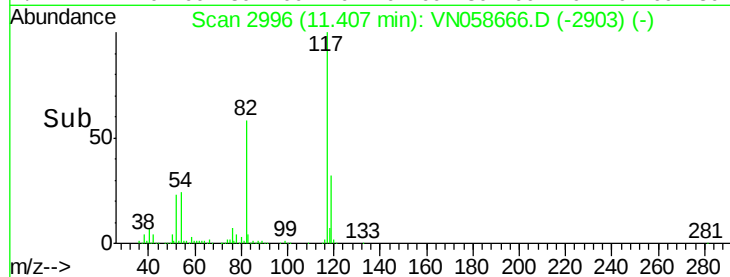
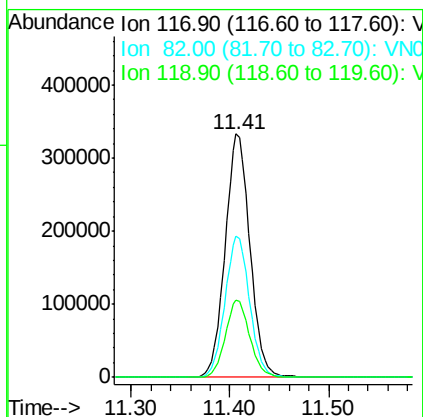
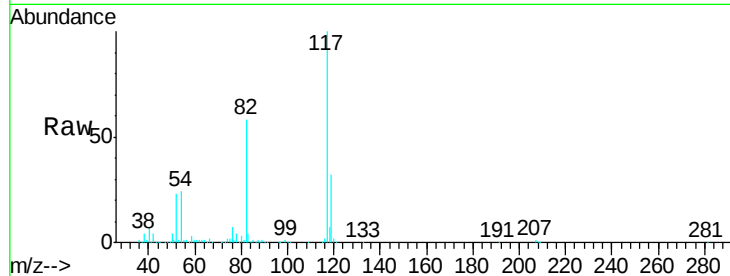




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058666.D
Acq: 10 Oct 2019 1:03

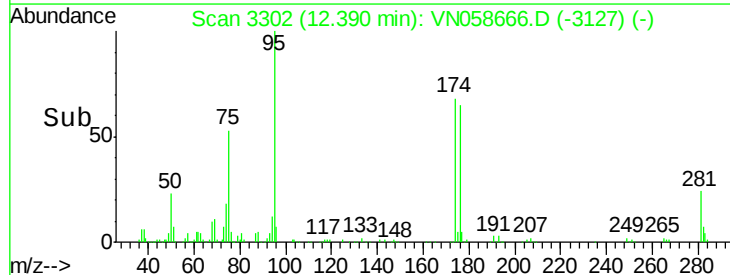
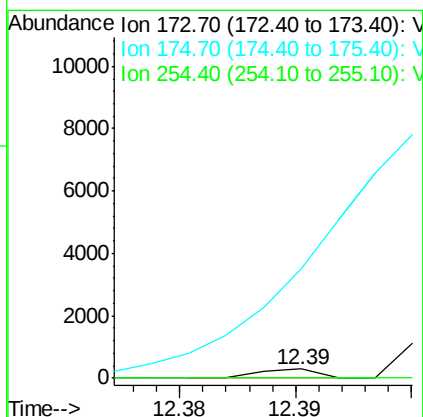
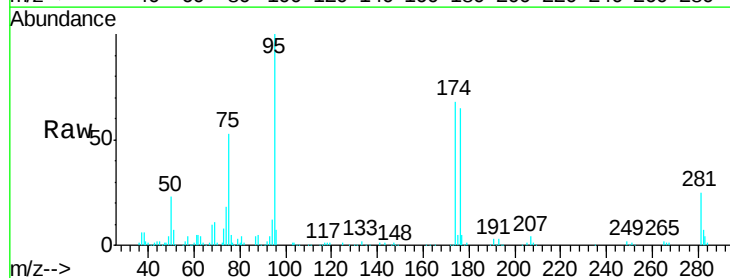
Instrument :
MSVOA_N
ClientSampleId :
S49-0555

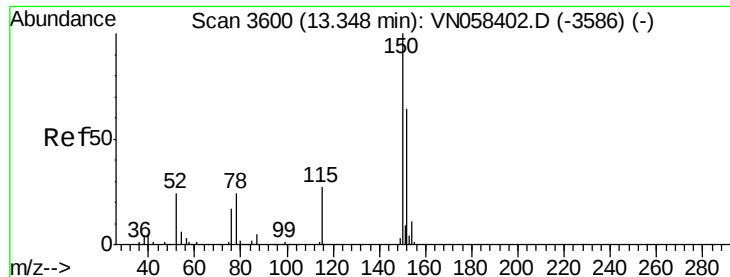
Tgt Ion:117 Resp: 586877
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.0
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.731 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN058666.D
Acq: 10 Oct 2019 1:03

Tgt Ion:173 Resp: 99
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampled :

S49-0555

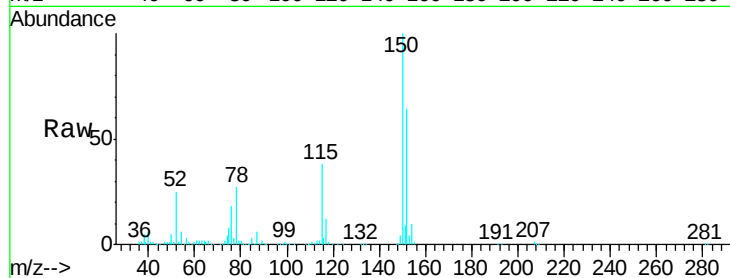
Tgt Ion: 152 Resp: 214701

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

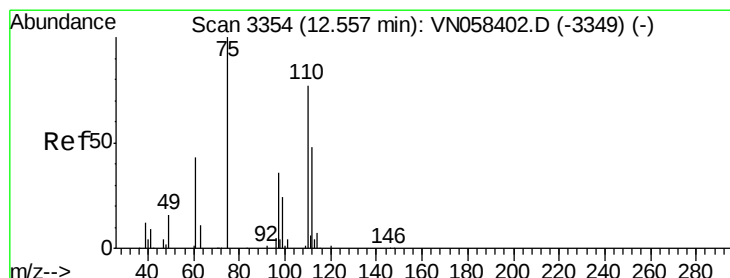
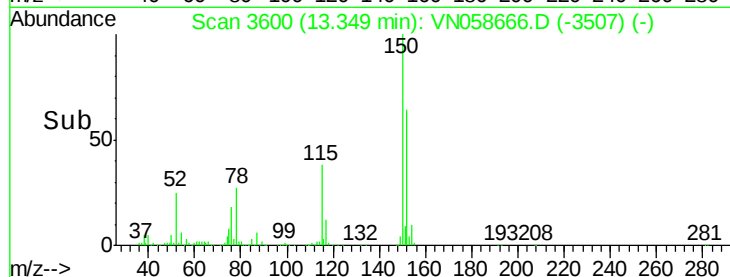
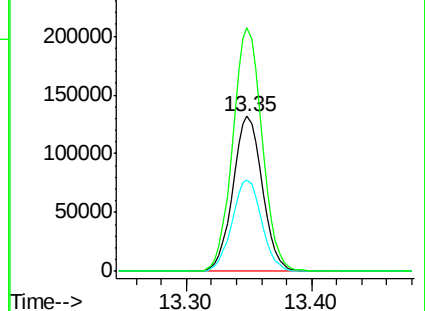
150 156.4 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 36.507 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058666.D

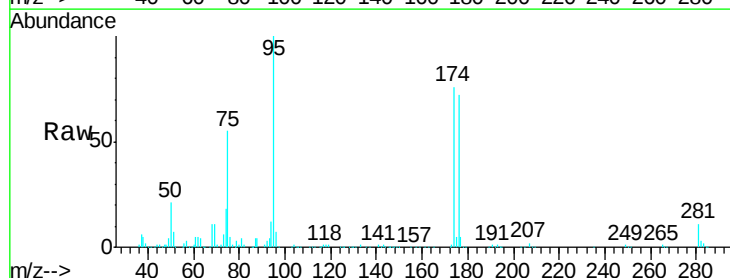
Acq: 10 Oct 2019 1:03

Tgt Ion: 75 Resp: 143165

Ion Ratio Lower Upper

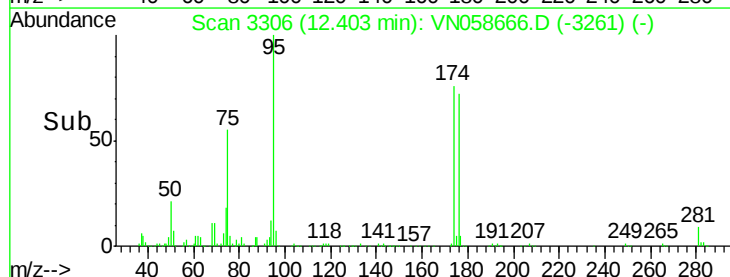
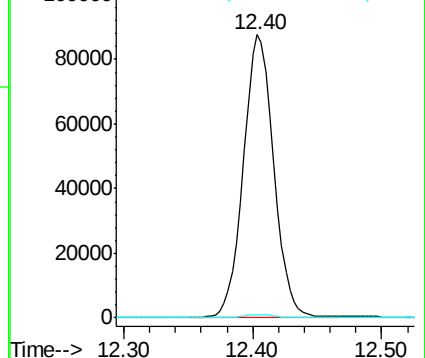
75 100

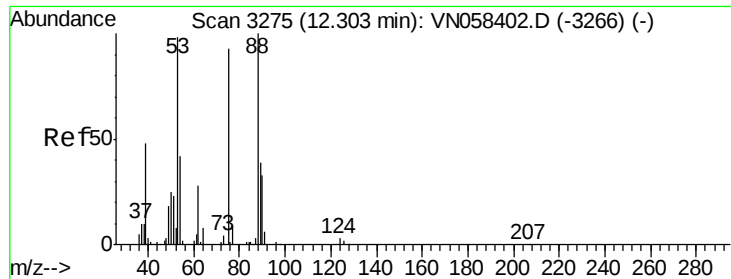
77 1.3 0.0 0.0#



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: 110.878 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058666.D

Acq: 10 Oct 2019 1:03

Instrument :

MSVOA_N

ClientSampleId :

S49-0555

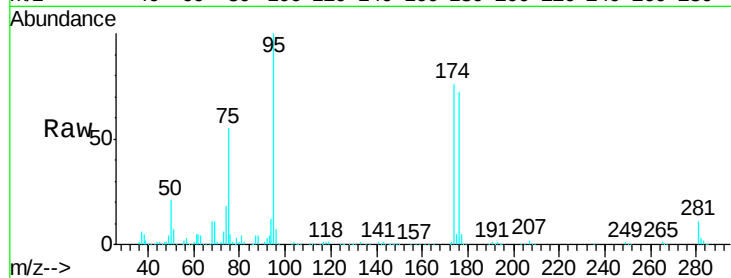
Tgt Ion: 75 Resp: 143165

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.2 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN058666.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058666.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058666.D (-3182) (-)

