

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056326.D
 Acq On : 17 Jun 2019 8:51
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:19:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	346471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	531503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	4043	0.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.70%	
35) Dibromofluoromethane	7.59	113	3439	0.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.58%	
50) Toluene-d8	10.09	98	12572	0.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.50%	
62) 4-Bromofluorobenzene	12.40	95	4357	0.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	2740	0.688	ug/l	72
3) Chloromethane	2.06	50	4146	0.859	ug/l	99
4) Vinyl Chloride	2.18	62	3990	0.829	ug/l	95
5) Bromomethane	2.53	94	2667	0.901	ug/l	96
6) Chloroethane	2.68	64	2339	0.839	ug/l	94
7) Trichlorofluoromethane	3.00	101	5091	0.827	ug/l	92
8) Diethyl Ether	3.40	74	2044	0.821	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3695	0.976	ug/l #	61
10) Methyl Iodide	3.94	142	2952	0.503	ug/l #	65
11) Tert butyl alcohol	4.82	59	2321	2.873	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	3289	0.871	ug/l	84
13) Acrolein	3.60	56	517	2.281	ug/l #	75
14) Allyl chloride	4.31	41	5325	0.853	ug/l #	87
15) Acrylonitrile	5.00	53	8073	4.020	ug/l	99
16) Acetone	3.82	43	11462	4.887	ug/l	95
17) Carbon Disulfide	4.03	76	8711	0.900	ug/l	97
18) Methyl Acetate	4.32	43	3111	0.662	ug/l #	61
19) Methyl tert-butyl Ether	5.05	73	8944	0.745	ug/l #	89
20) Methylene Chloride	4.54	84	4078	0.918	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	3420	0.840	ug/l	95
22) Diisopropyl ether	5.95	45	10187	0.807	ug/l #	83
23) Vinyl Acetate	5.90	43	36496	3.578	ug/l	96
24) 1,1-Dichloroethane	5.84	63	6038	0.829	ug/l #	83
25) 2-Butanone	6.85	43	11631	3.950	ug/l	98
26) 2,2-Dichloropropane	6.82	77	4644	0.852	ug/l	76
27) cis-1,2-Dichloroethene	6.83	96	3957	0.832	ug/l	97
28) Bromochloromethane	7.19	49	3219	0.912	ug/l #	94
29) Tetrahydrofuran	7.22	42	6857	3.870	ug/l #	80
30) Chloroform	7.37	83	6177	0.850	ug/l	94
31) Cyclohexane	7.65	56	10971	1.478	ug/l #	40
32) 1,1,1-Trichloroethane	7.57	97	5023	0.828	ug/l #	50
36) 1,1-Dichloropropene	7.79	75	5042	0.856	ug/l #	72
37) Ethyl Acetate	6.94	43	3608	0.653	ug/l #	84
38) Carbon Tetrachloride	7.77	117	4729	0.861	ug/l #	86

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Instrument :
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Quant Time: Jun 18 03:19:14 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	5445	0.747	ug/l	94
40) Benzene	8.04	78	14085	0.789	ug/l	95
41) Methacrylonitrile	7.18	41	1742	0.672	ug/l #	73
42) 1,2-Dichloroethane	8.12	62	4554	0.784	ug/l	90
43) Isopropyl Acetate	8.17	43	6624	0.760	ug/l #	90
44) Trichloroethene	8.83	130	3802	0.762	ug/l	92
45) 1,2-Dichloropropane	9.12	63	3661	0.785	ug/l	95
46) Dibromomethane	9.21	93	2557	0.837	ug/l	93
47) Bromodichloromethane	9.41	83	4889	0.861	ug/l #	84
48) Methyl methacrylate	9.20	41	3367	0.774	ug/l	93
49) 1,4-Dioxane	9.21	88	1268	13.930	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	20953	3.769	ug/l	96
52) Toluene	10.16	92	8245	0.743	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	4266	0.729	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	4717	0.702	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	3556	0.807	ug/l	96
56) Ethyl methacrylate	10.43	69	4323	0.656	ug/l	98
57) 1,3-Dichloropropane	10.71	76	6336	0.867	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	6367	2.865	ug/l	97
59) 2-Hexanone	10.75	43	14920	3.667	ug/l	92
60) Dibromochloromethane	10.90	129	3386	0.754	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3432	0.749	ug/l	96
64) Tetrachloroethene	10.63	164	3933	0.839	ug/l	94
65) Chlorobenzene	11.43	112	8971	0.800	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	3360	0.851	ug/l #	63
67) Ethyl Benzene	11.51	91	14778	0.755	ug/l	98
68) m/p-Xylenes	11.62	106	10221	1.371	ug/l	99
69) o-Xylene	11.94	106	5288	0.723	ug/l	98
70) Styrene	11.96	104	7249	0.610	ug/l	97
71) Bromoform	12.12	173	2378	0.778	ug/l #	94
73) Isopropylbenzene	12.25	105	12588	0.952	ug/l	95
74) N-amyl acetate	12.07	43	4809	1.051	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	4664	1.190	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	5070	1.613	ug/l #	100
77) Bromobenzene	12.53	156	3393	0.972	ug/l	92
78) n-propylbenzene	12.59	91	12552	0.889	ug/l	94
79) 2-Chlorotoluene	12.67	91	8594	0.983	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	9732	0.884	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	823	0.778	ug/l #	75
82) 4-Chlorotoluene	12.77	91	7257	0.876	ug/l	97
83) tert-Butylbenzene	12.99	119	9471	0.982	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	8269	0.790	ug/l	94
85) sec-Butylbenzene	13.17	105	11181	0.907	ug/l	99
86) p-Isopropyltoluene	13.29	119	8715	0.795	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	4614	0.847	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	4614	0.879	ug/l	95
89) n-Butylbenzene	13.62	91	6080	0.736	ug/l	98
90) Hexachloroethane	13.87	117	2104	1.175	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	4254	0.781	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	607	1.022	ug/l	84

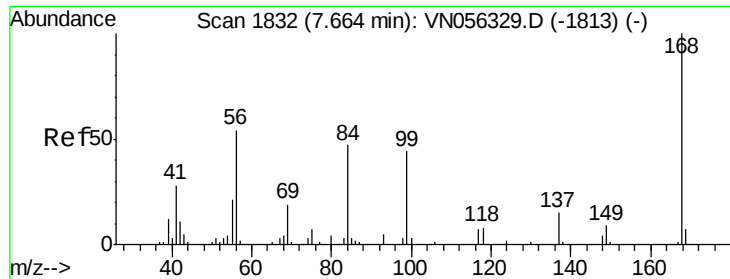
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1360	0.552	ug/l	84
94) Hexachlorobutadiene	15.01	225	2188	1.061	ug/l	96
95) Naphthalene	15.14	128	3761	0.579	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	1375	0.517	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

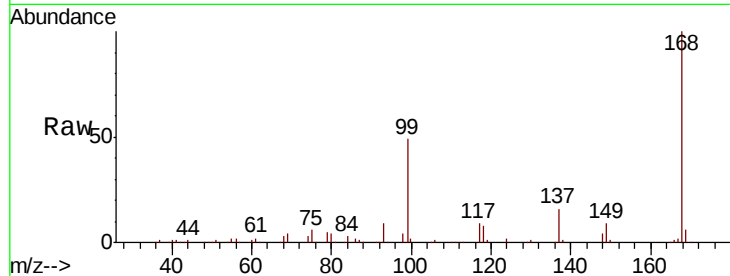
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 346471

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

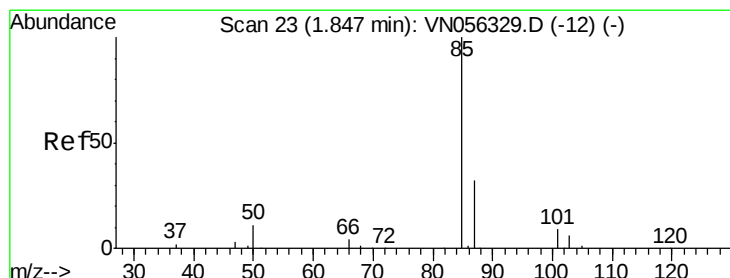
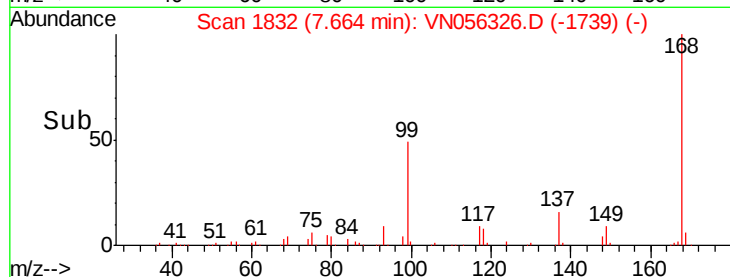
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.688 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056326.D

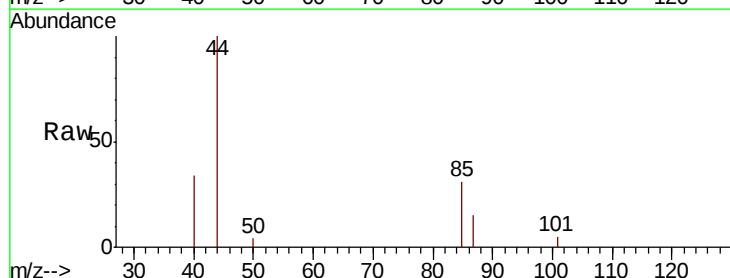
Acq: 17 Jun 2019 8:51

Tgt Ion: 85 Resp: 2740

Ion Ratio Lower Upper

85 100

87 48.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

1500

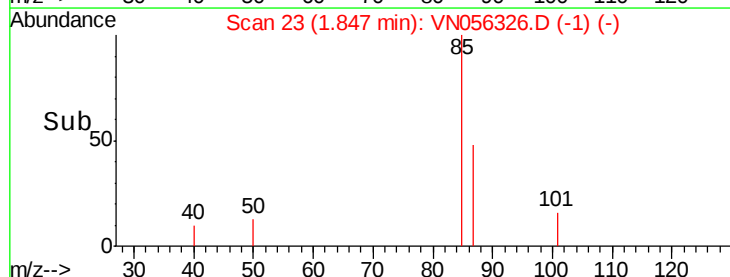
1000

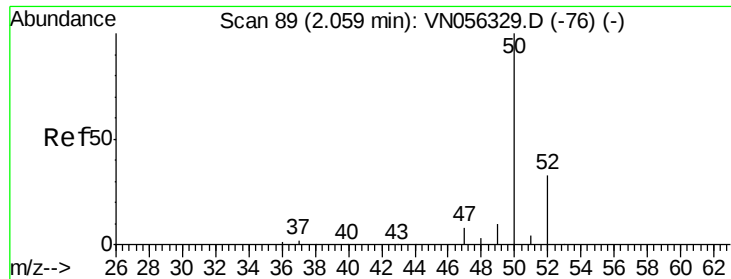
500

0

Time-->

1.80 1.85 1.90

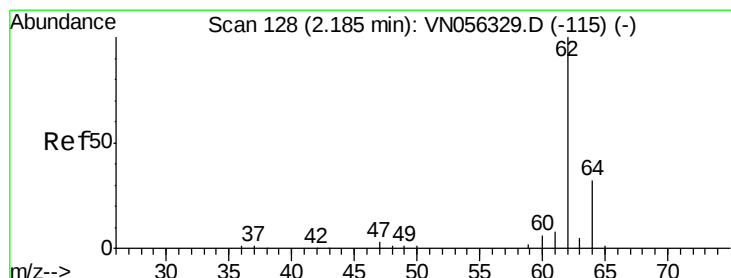
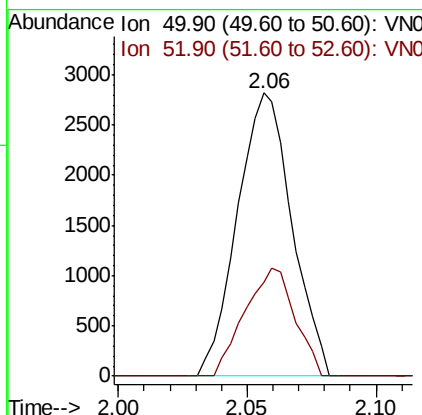
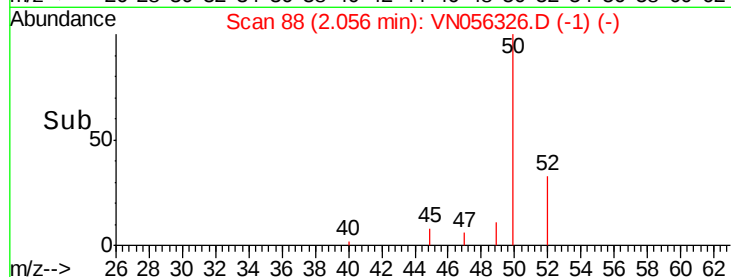
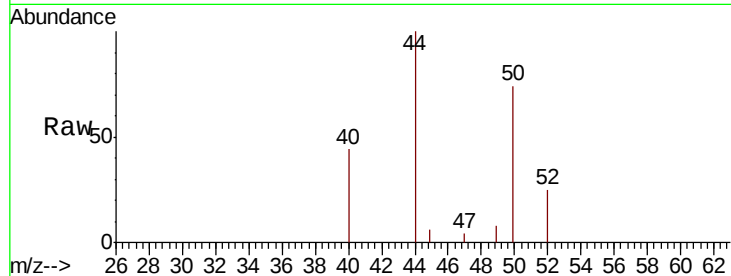




#3
 Chloromethane
 Concen: 0.859 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

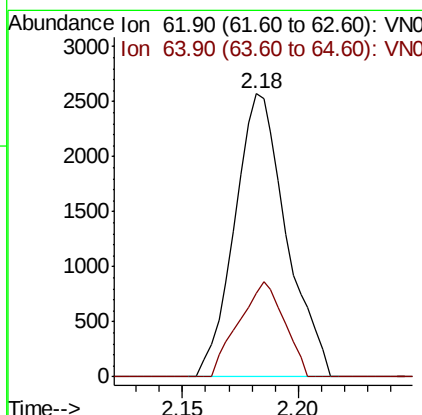
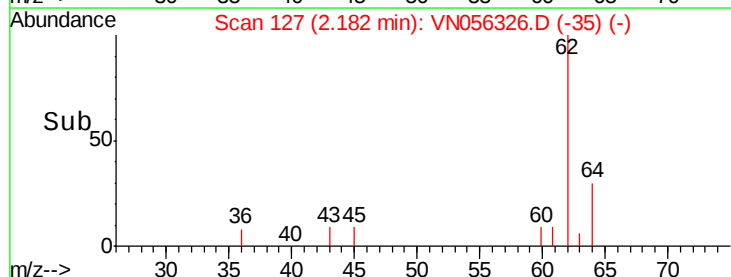
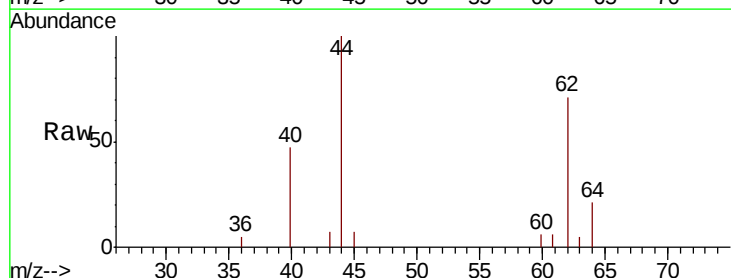
Instrument :
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 ClientSampleId :

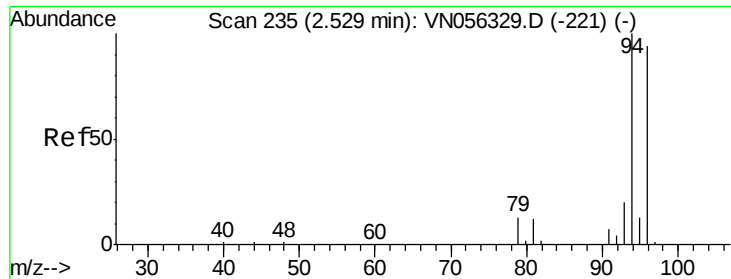
Tot Ion: 50 Resp: 4146
 Ion Ratio Lower Upper
 50 100
 52 33.3 26.3 39.5



#4
 Vinyl Chloride
 Concen: 0.829 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 62 Resp: 3990
 Ion Ratio Lower Upper
 62 100
 64 29.5 25.7 38.5

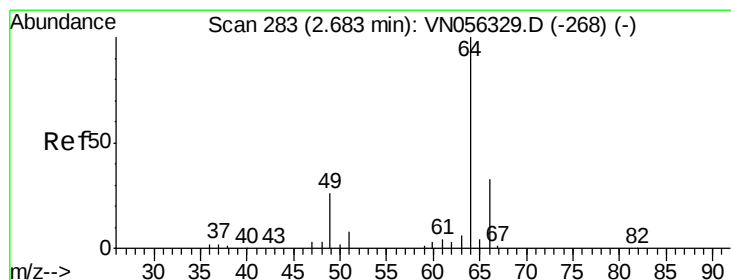
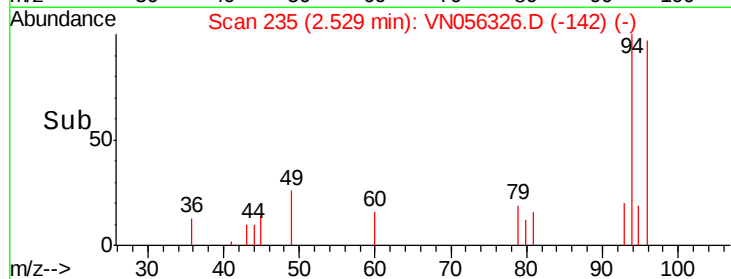
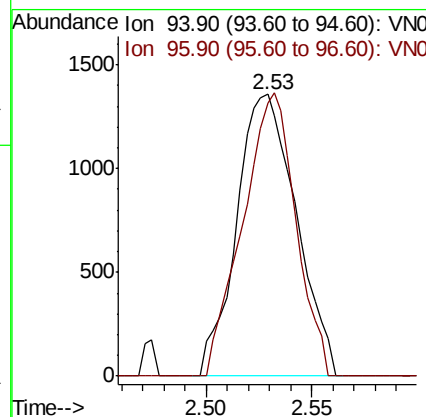
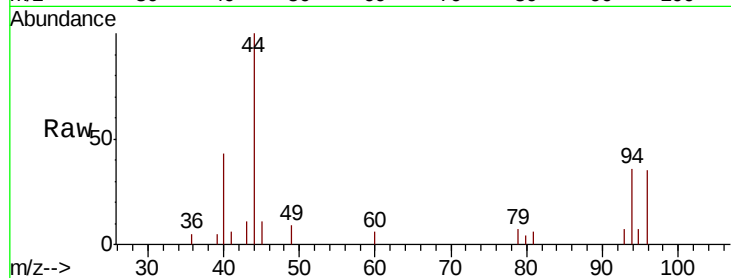




#5
Bromomethane
Concen: 0.901 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

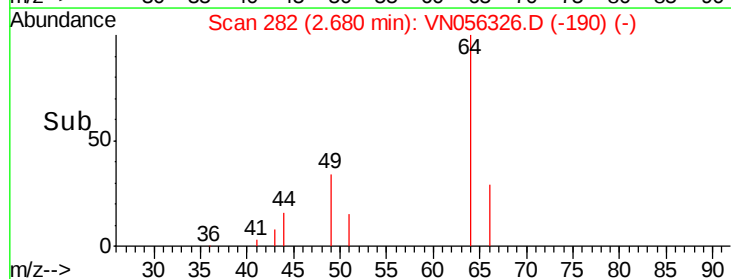
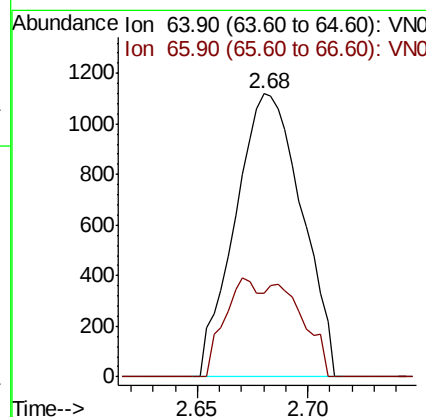
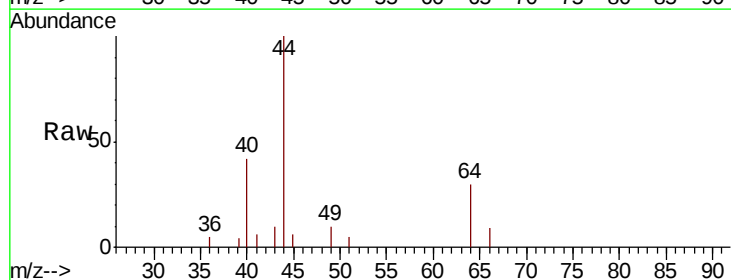
Instrument :
MSVOA_N
ClientSampleId :

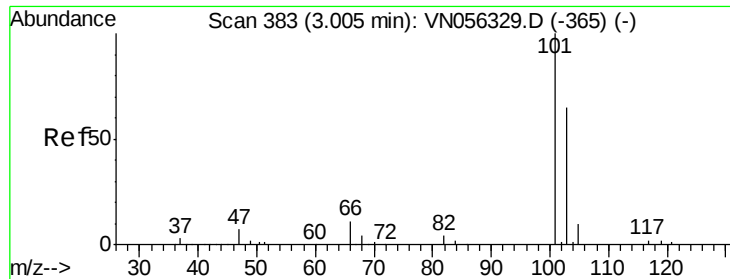
Tot Ion: 94 Resp: 2667
Ion Ratio Lower Upper
94 100
96 97.1 74.9 112.3



#6
Chloroethane
Concen: 0.839 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 64 Resp: 2339
Ion Ratio Lower Upper
64 100
66 29.4 26.3 39.5



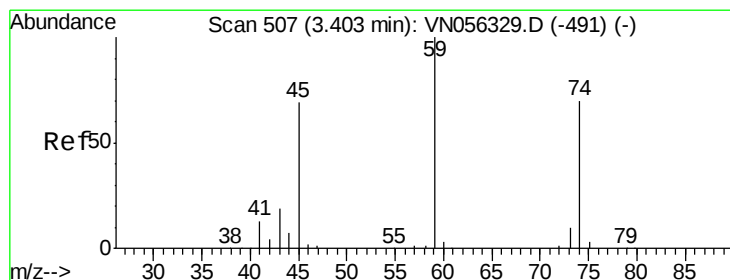
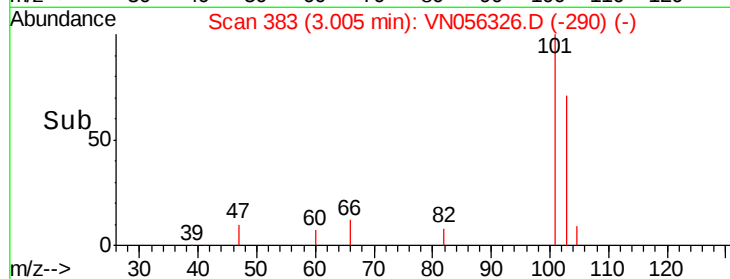
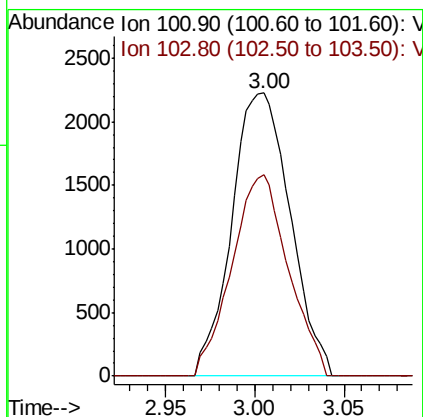
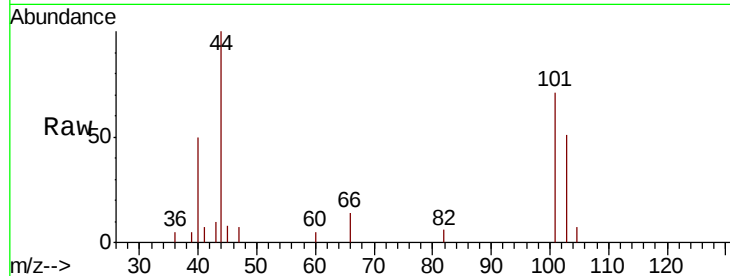


#7

Trichlorofluoromethane
 Concen: 0.827 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :

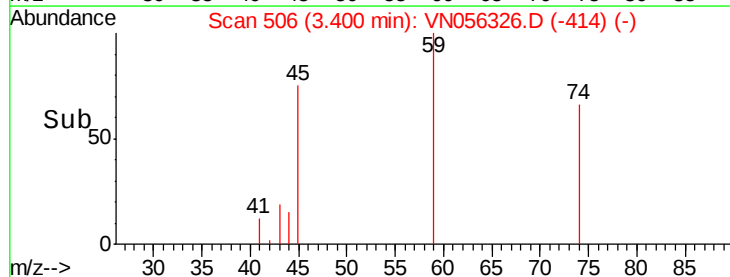
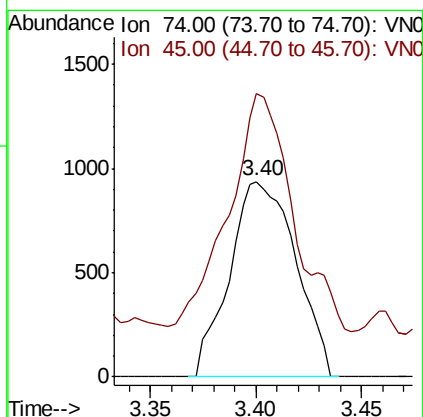
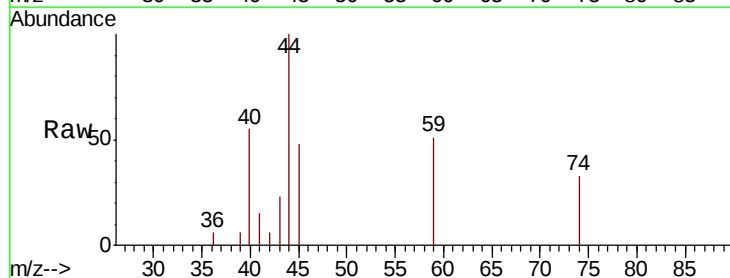
Tot Ion:101 Resp: 5091
 Ion Ratio Lower Upper
 101 100
 103 71.1 52.1 78.1

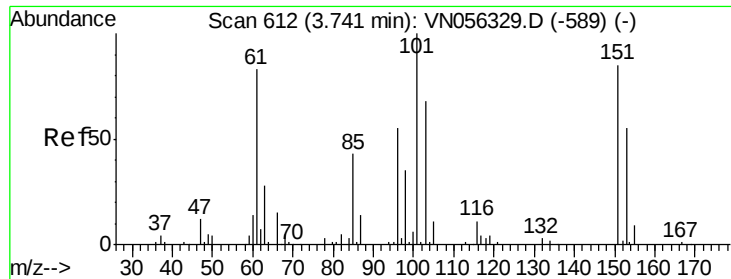


#8

Diethyl Ether
 Concen: 0.821 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 74 Resp: 2044
 Ion Ratio Lower Upper
 74 100
 45 121.1 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.976 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

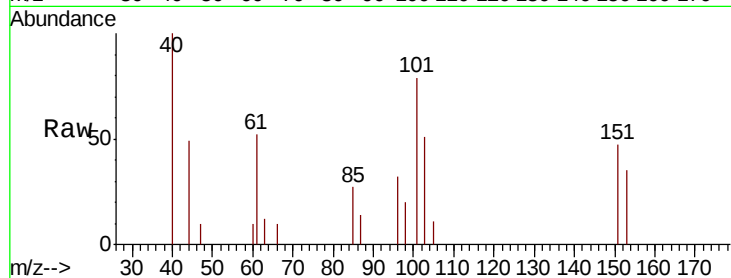
Tot Ion:101 Resp: 3695

Ion Ratio Lower Upper

101 100

85 19.9 33.8 50.8#

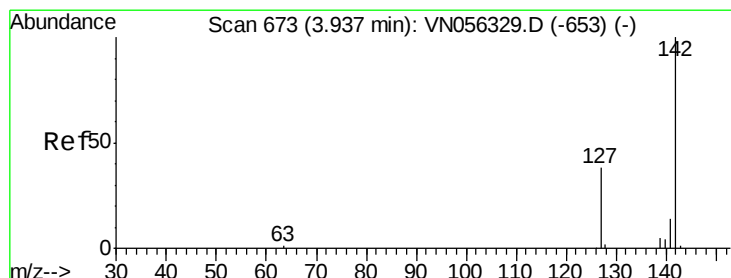
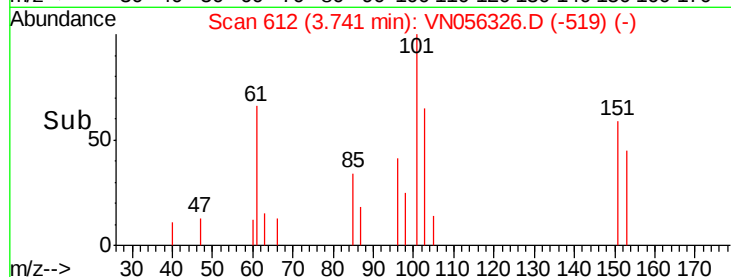
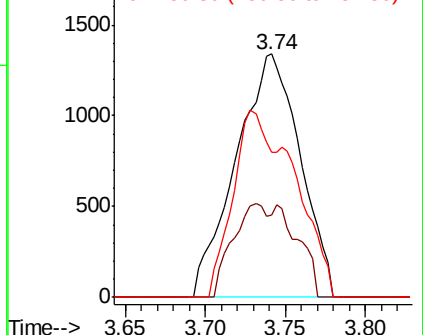
151 46.9 67.4 101.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.503 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

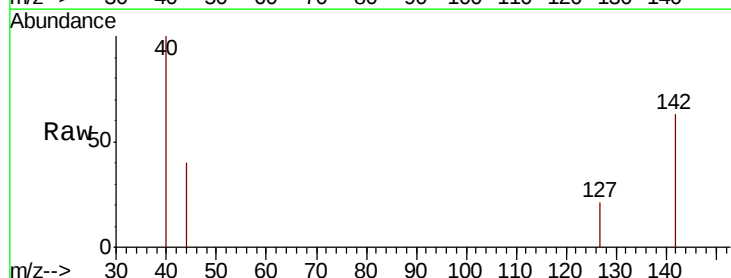
Tgt Ion:142 Resp: 2952

Ion Ratio Lower Upper

142 100

127 17.1 30.8 46.2#

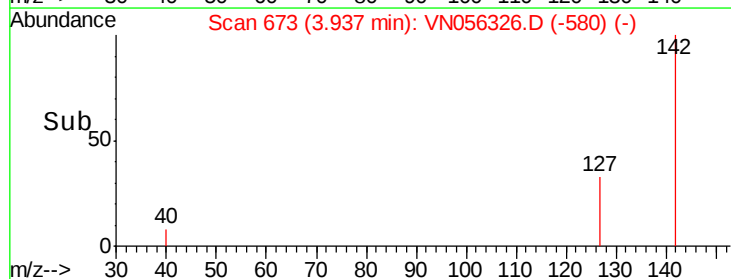
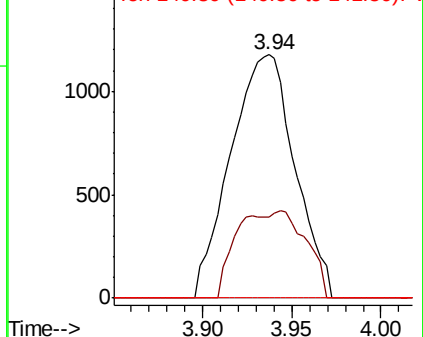
141 0.0 11.4 17.2#

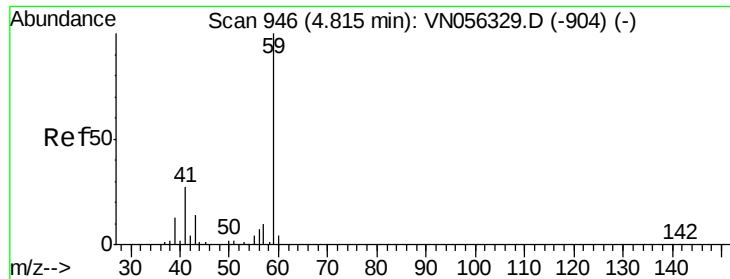


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

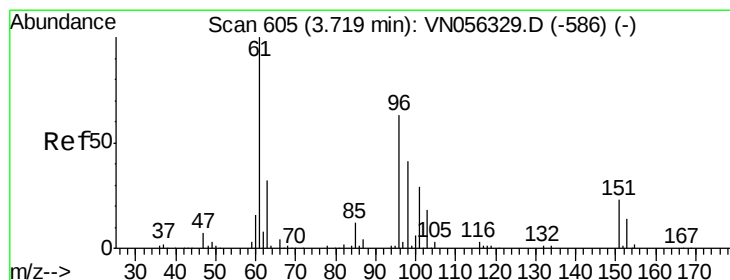
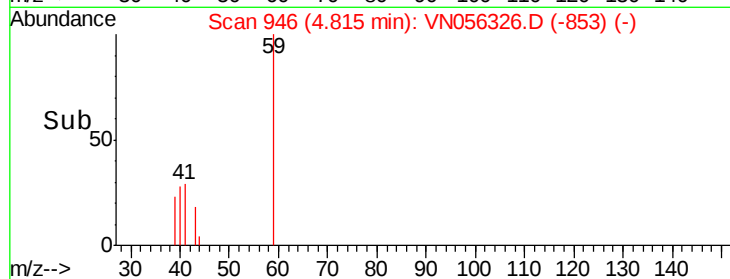
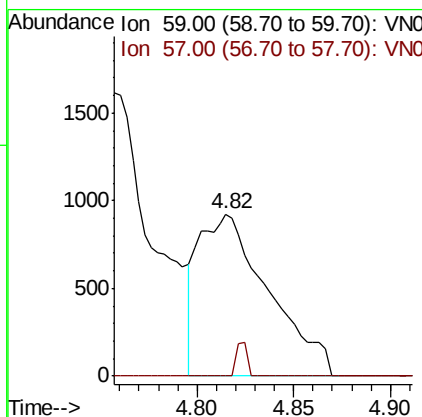
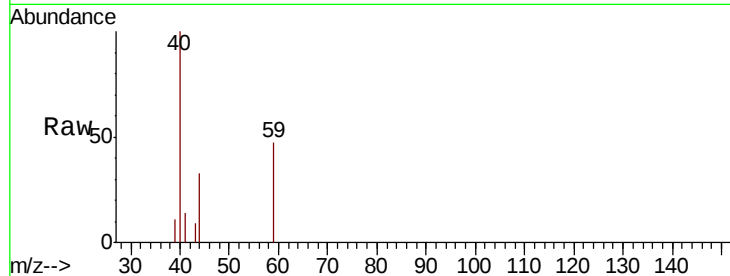




#11
Tert butyl alcohol
Concen: 2.873 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

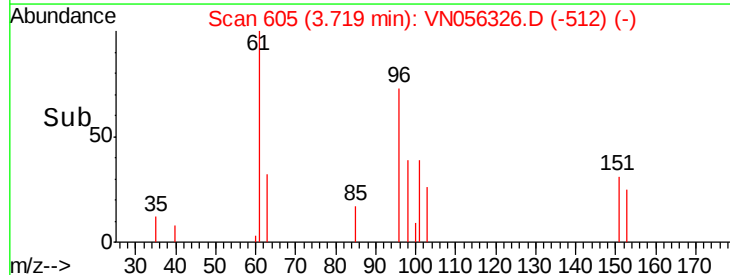
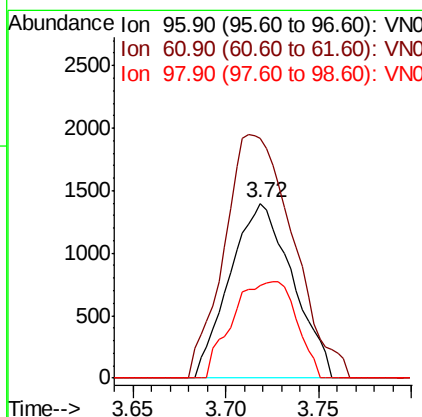
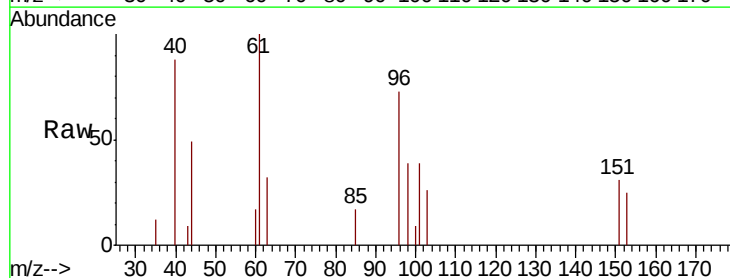
Instrument :
MSVOA_N
ClientSampled :

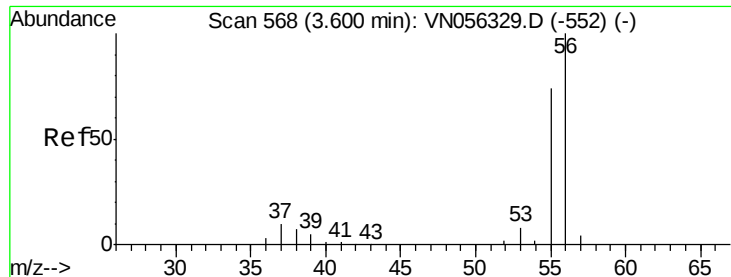
Tot Ion: 59 Resp: 2321
Ion Ratio Lower Upper
59 100
57 3.1 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.871 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 96 Resp: 3289
Ion Ratio Lower Upper
96 100
61 137.0 127.4 191.2
98 52.9 51.7 77.5





#13

Acrolein

Concen: 2.281 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

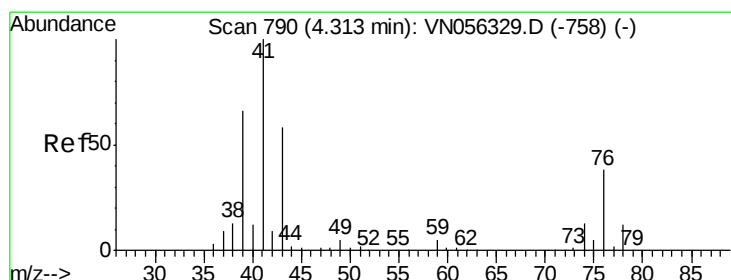
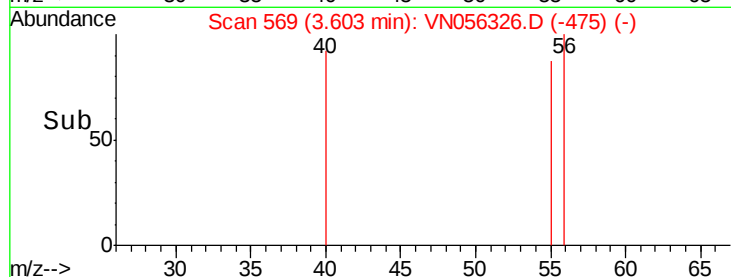
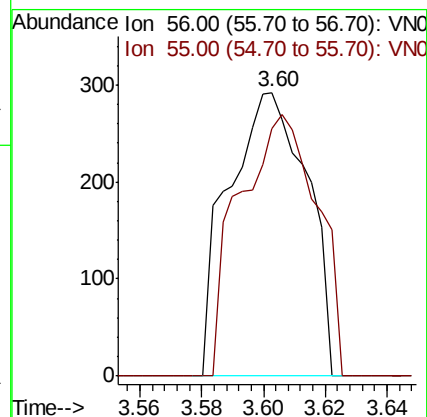
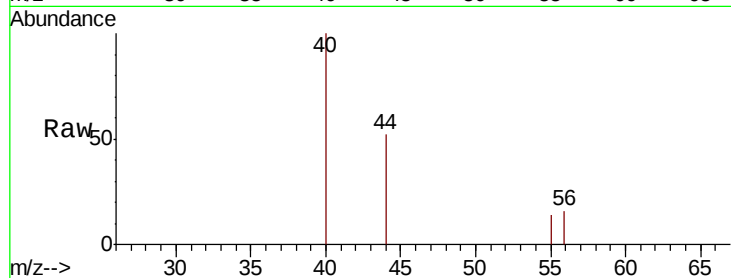
ClientSampleId :

Tot Ion: 56 Resp: 517

Ion Ratio Lower Upper

56 100

55 91.1 56.4 84.6#



#14

Allyl chloride

Concen: 0.853 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

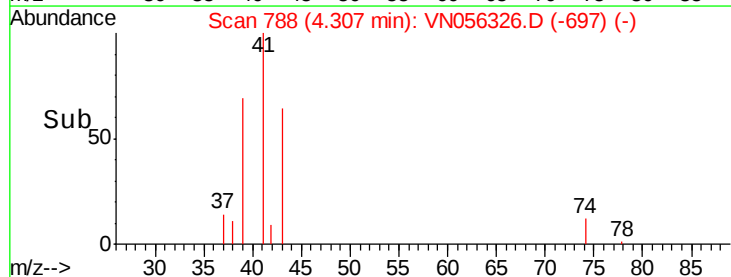
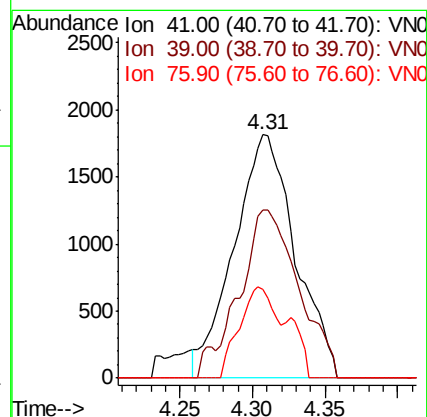
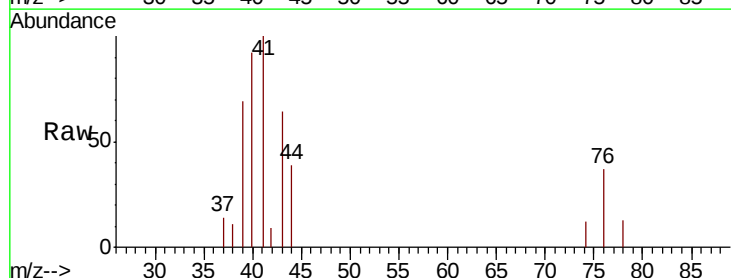
Tgt Ion: 41 Resp: 5325

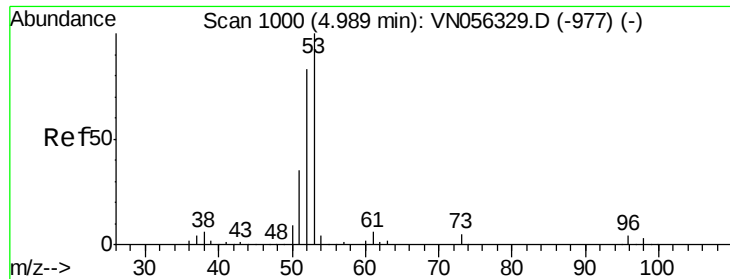
Ion Ratio Lower Upper

41 100

39 67.5 48.9 73.3

76 22.1 27.2 40.8#





#15

Acrylonitrile

Concen: 4.020 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

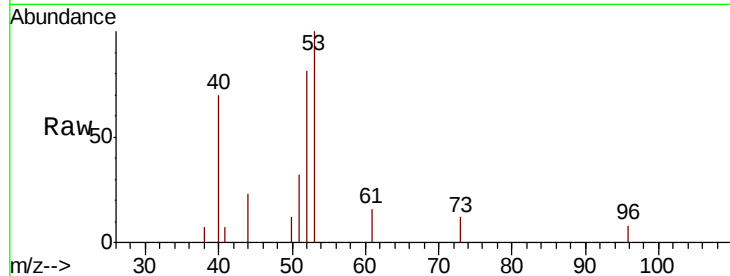
Tot Ion: 53 Resp: 8073

Ion Ratio Lower Upper

53 100

52 82.5 65.4 98.2

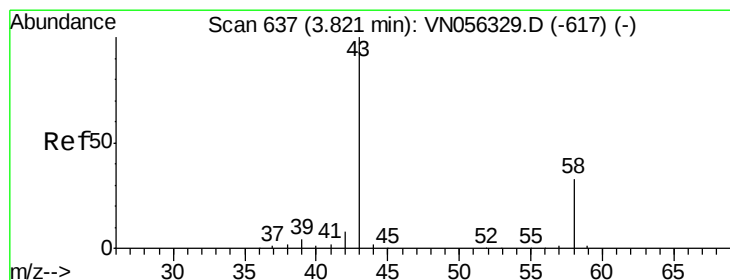
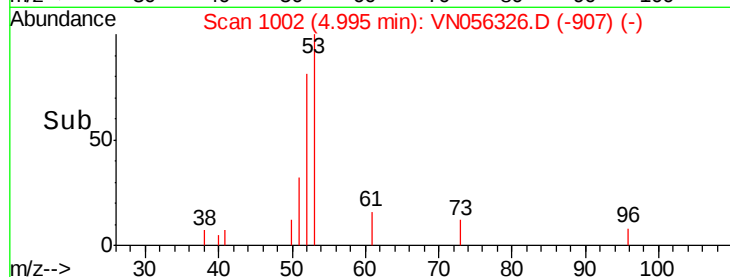
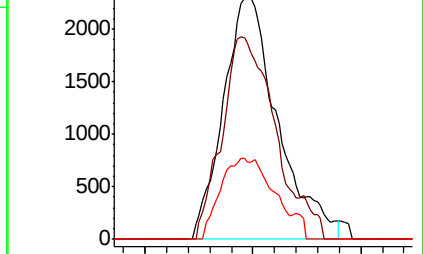
51 33.8 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN056326.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN056326.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN056326.D (-907) (-)



#16

Acetone

Concen: 4.887 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056326.D

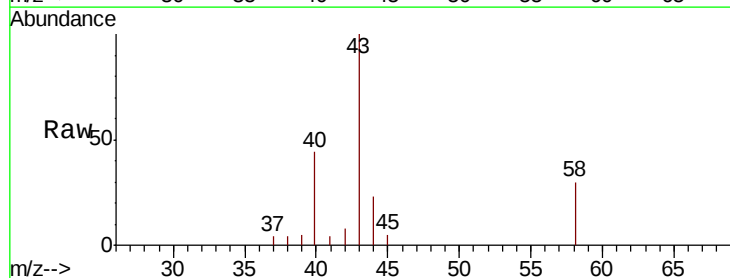
Acq: 17 Jun 2019 8:51

Tgt Ion: 43 Resp: 11462

Ion Ratio Lower Upper

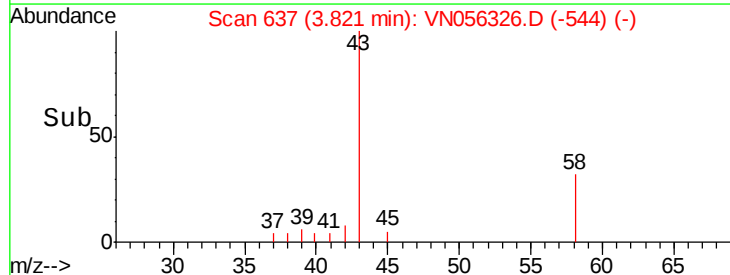
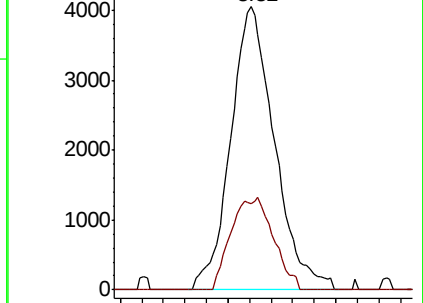
43 100

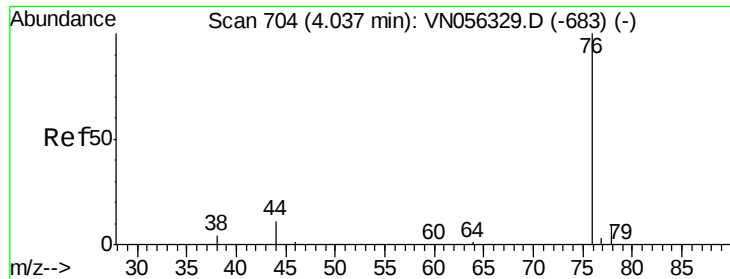
58 30.3 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN056326.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN056326.D (-544) (-)

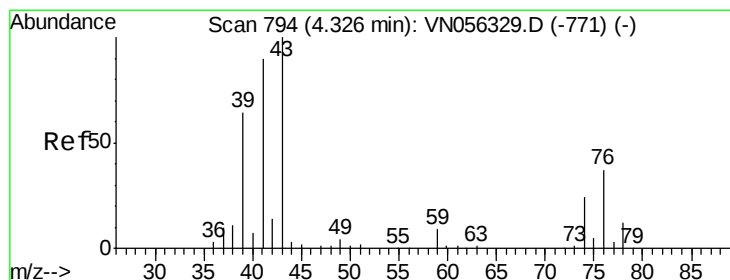
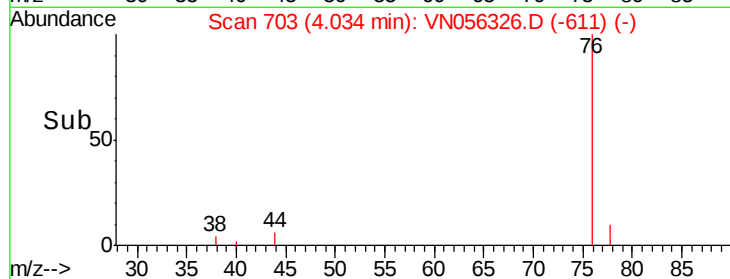
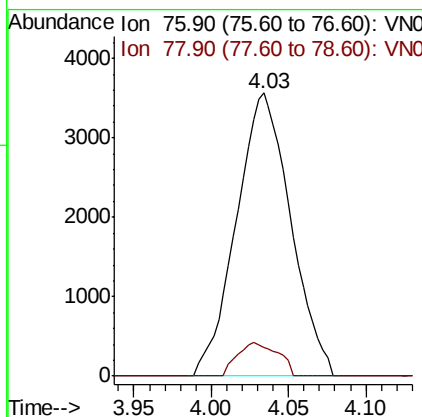
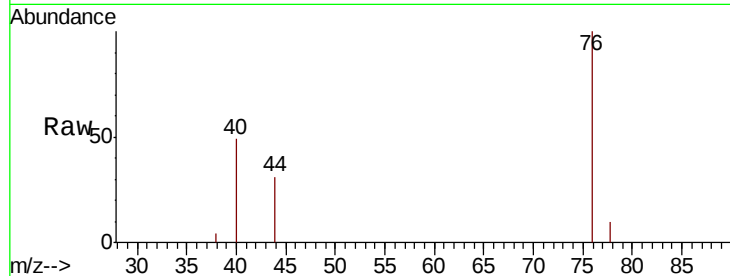




#17
Carbon Disulfide
Concen: 0.900 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

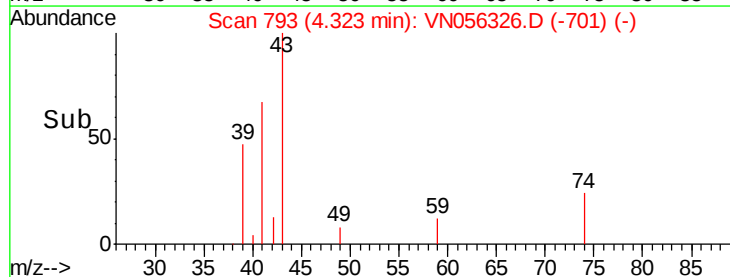
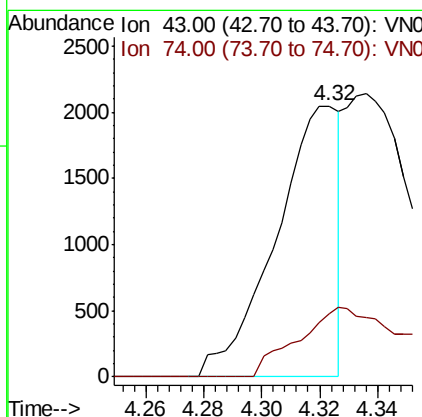
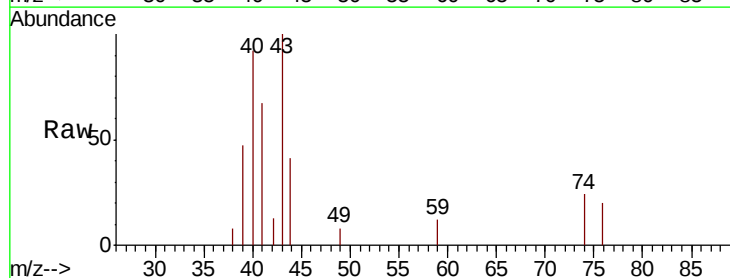
Instrument :
MSVOA_N
ClientSampleId :

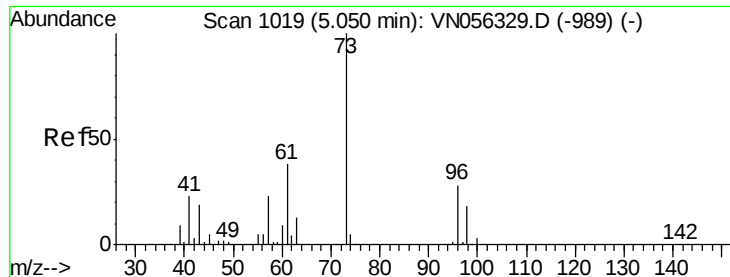
Tot Ion: 76 Resp: 8711
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#18
Methyl Acetate
Concen: 0.662 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 43 Resp: 3111
Ion Ratio Lower Upper
43 100
74 43.6 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 0.745 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

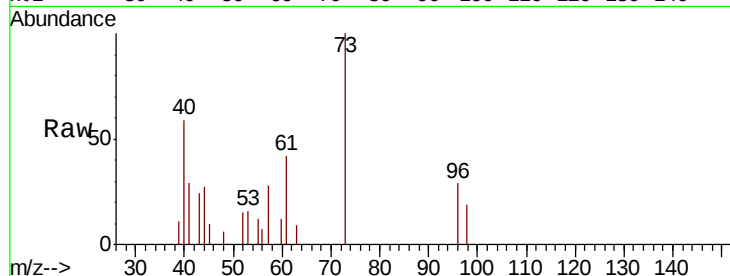
ClientSampleId :

Tot Ion: 73 Resp: 8944

Ion Ratio Lower Upper

73 100

57 27.9 18.1 27.1#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

2500

2000

1500

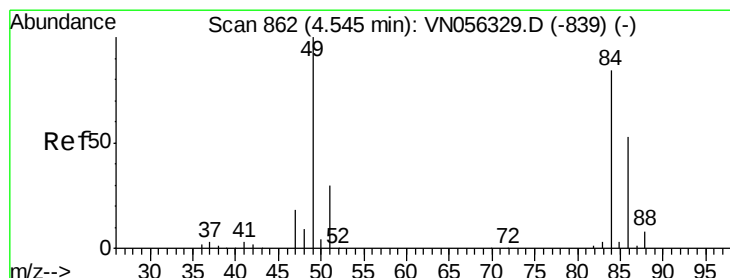
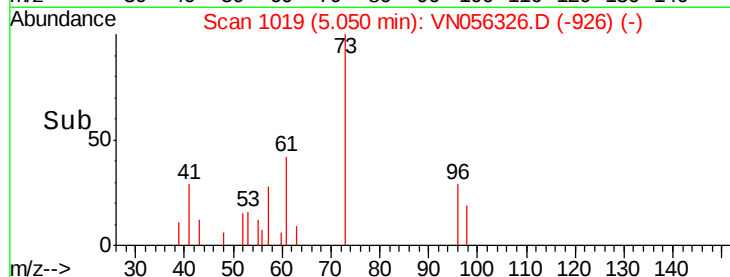
1000

500

0

Time-->

5.00 5.10



#20

Methylene Chloride

Concen: 0.918 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Tgt Ion: 84 Resp: 4078

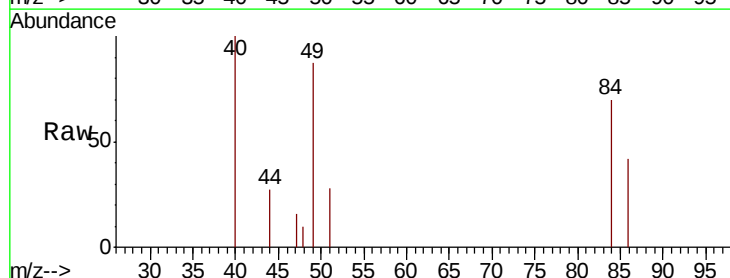
Ion Ratio Lower Upper

84 100

49 124.3 95.0 142.6

51 40.0 28.2 42.4

86 60.8 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

2500

2000

1500

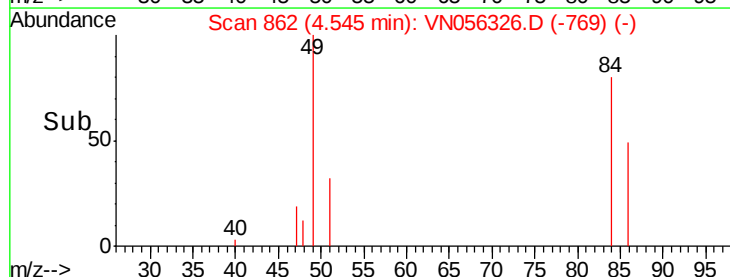
1000

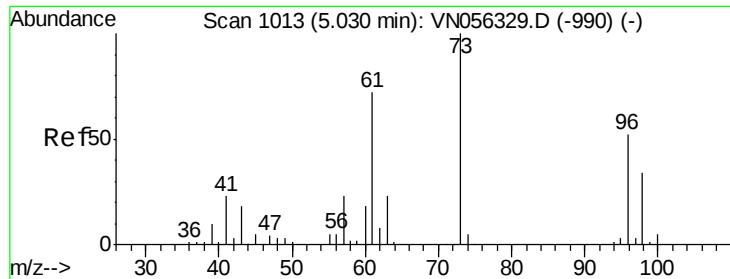
500

0

Time-->

4.45 4.50 4.55 4.60

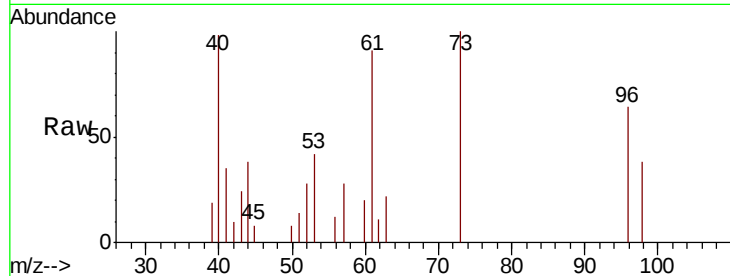




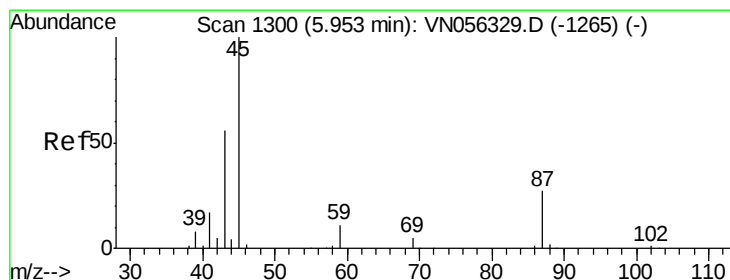
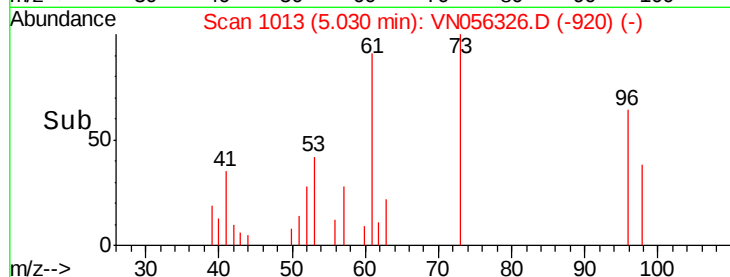
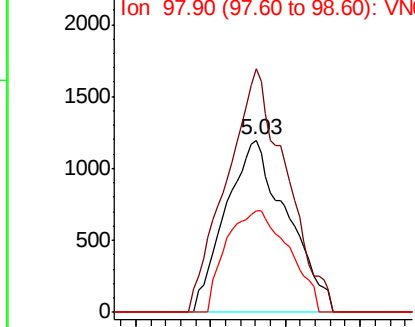
#21
trans-1,2-Dichloroethene
Concen: 0.840 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 3420
Ion Ratio Lower Upper
96 100
61 141.6 109.8 164.6
98 59.2 52.0 78.0

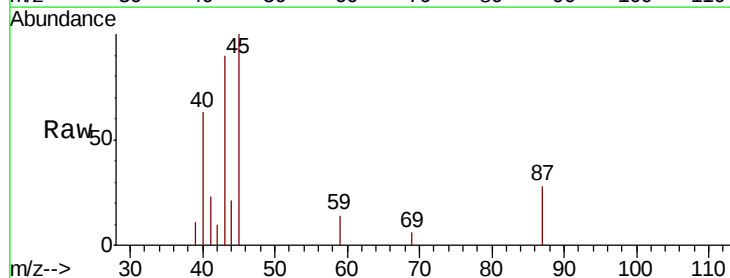


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

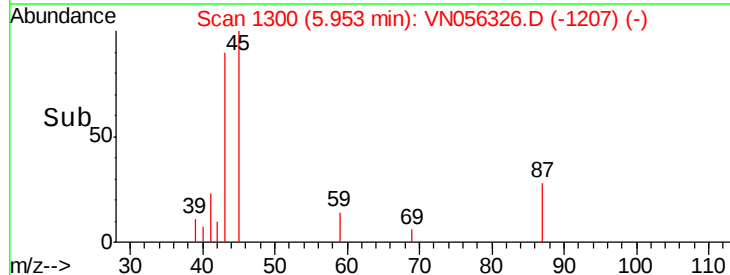
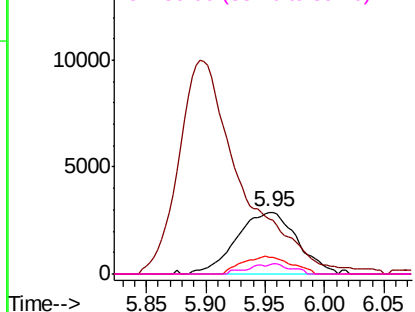


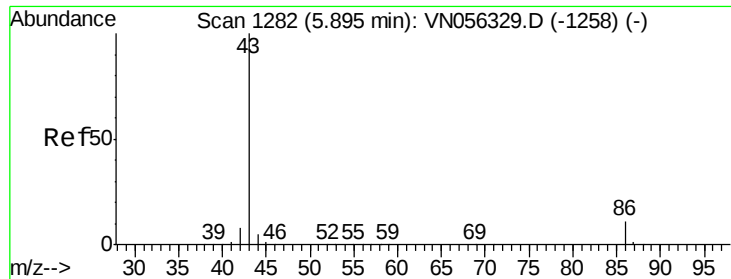
#22
Diisopropyl ether
Concen: 0.807 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 45 Resp: 10187
Ion Ratio Lower Upper
45 100
43 78.8 47.0 70.6#
87 27.9 22.4 33.6
59 14.0 9.2 13.8#



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 3.578 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

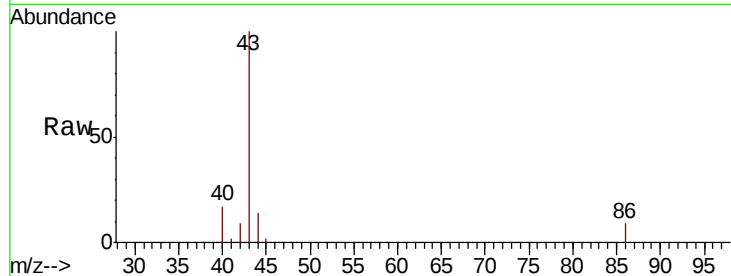
ClientSampled :

Tot Ion: 43 Resp: 36496

Ion Ratio Lower Upper

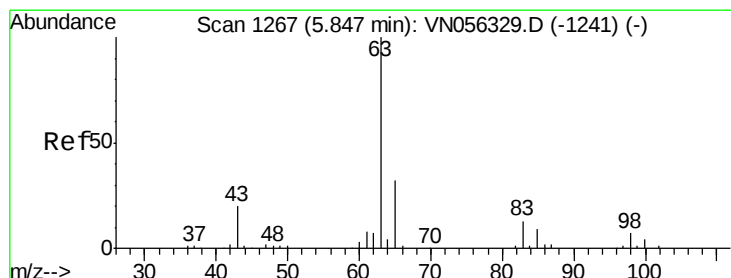
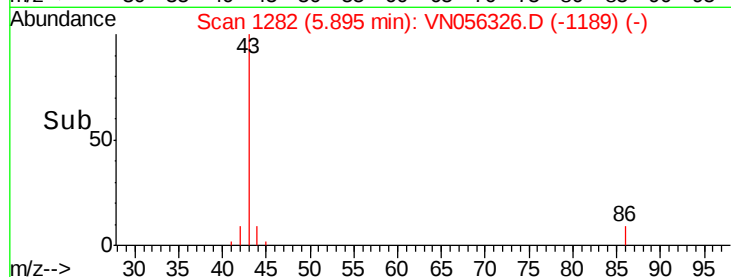
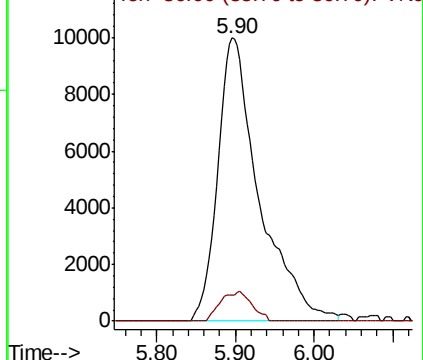
43 100

86 9.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.829 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

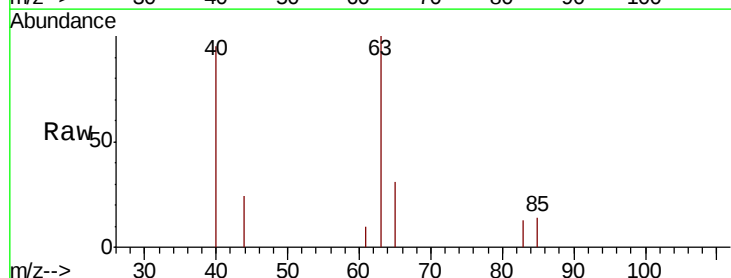
Tgt Ion: 63 Resp: 6038

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

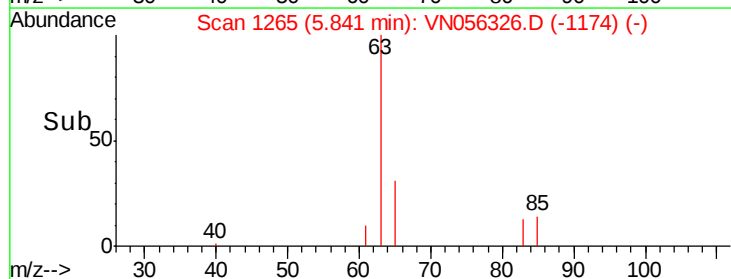
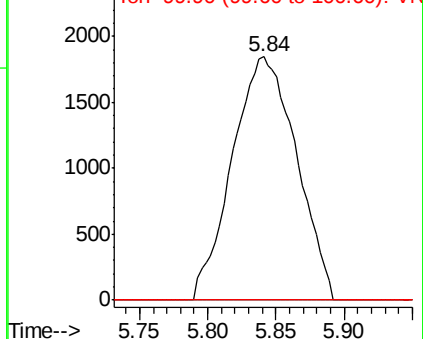
100 0.0 2.2 6.6#

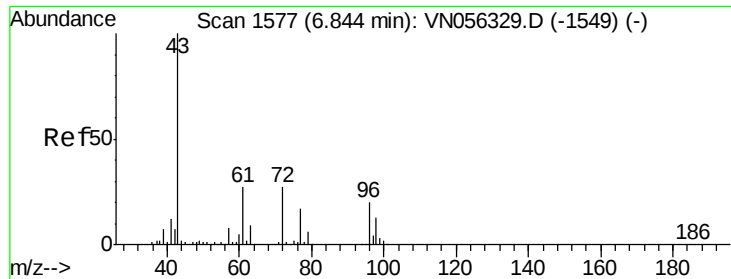


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

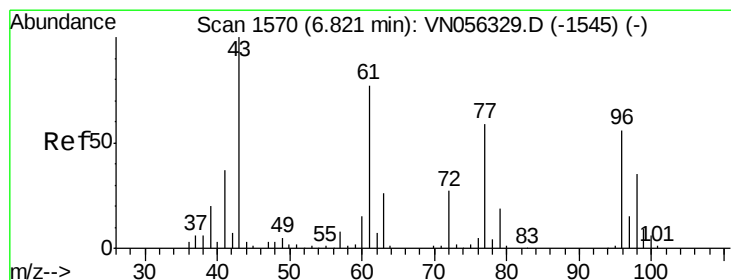
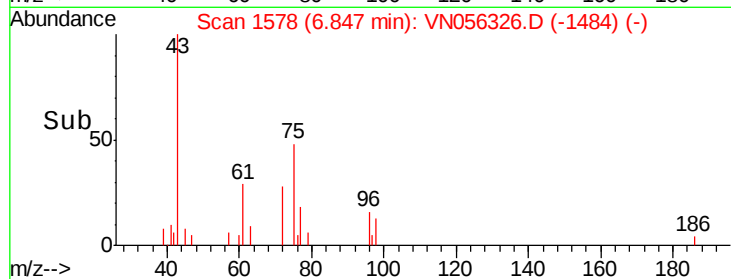
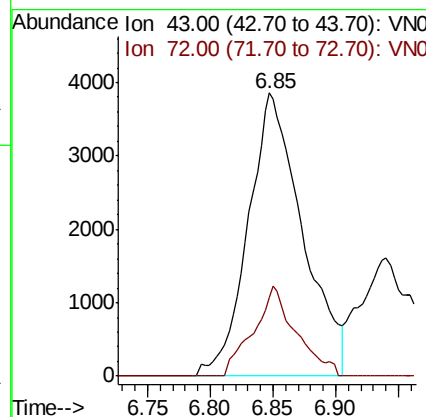
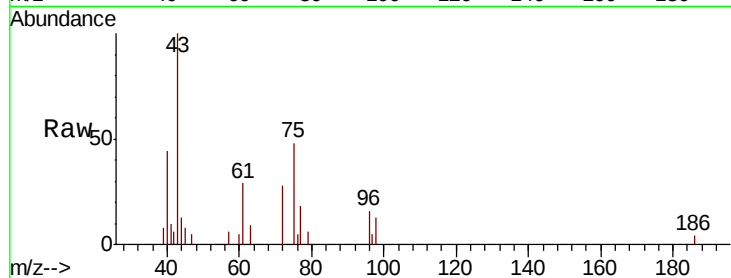




#25
 2-Butanone
 Concen: 3.950 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

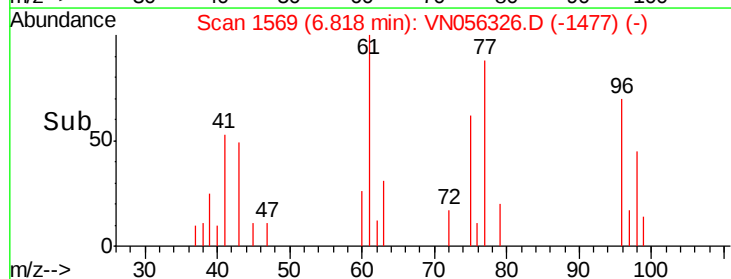
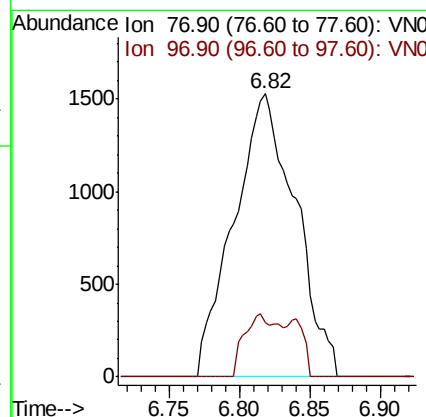
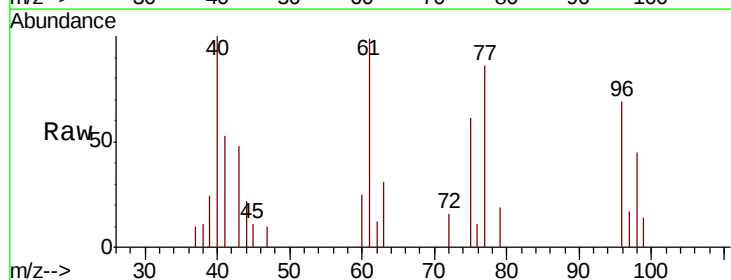
Instrument :
 MSVOA_N
 ClientSampled :

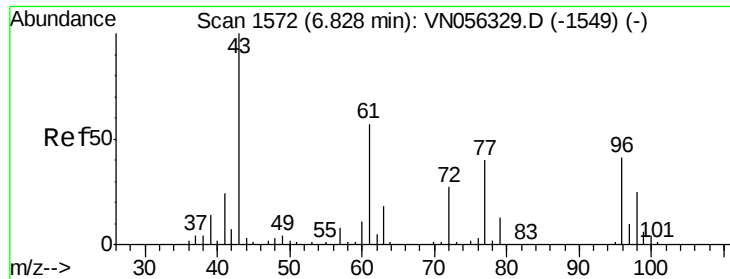
Tot Ion: 43 Resp: 11631
 Ion Ratio Lower Upper
 43 100
 72 28.0 21.4 32.2



#26
 2,2-Dichloropropane
 Concen: 0.852 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 77 Resp: 4644
 Ion Ratio Lower Upper
 77 100
 97 12.5 12.2 36.6

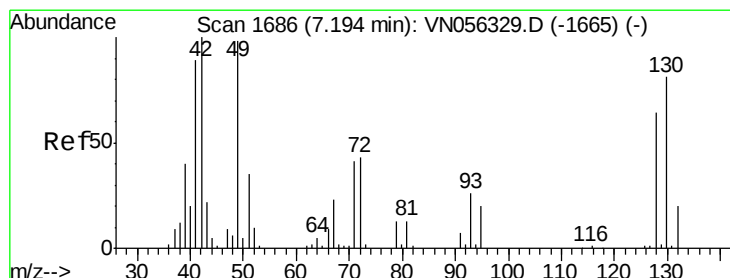
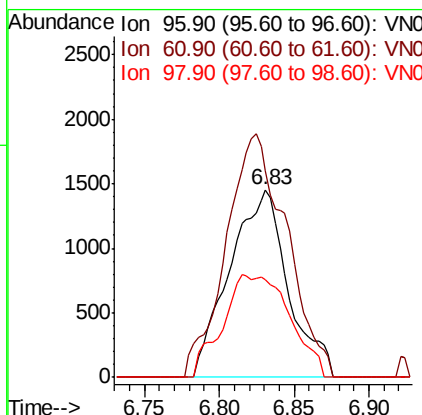
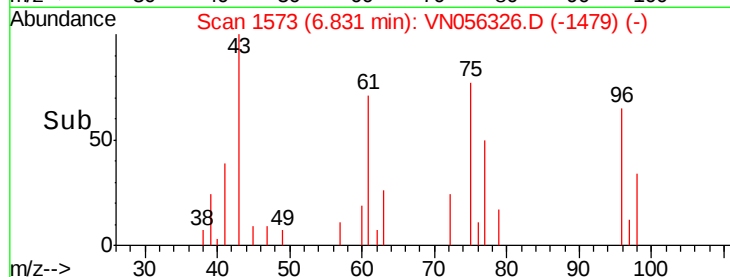
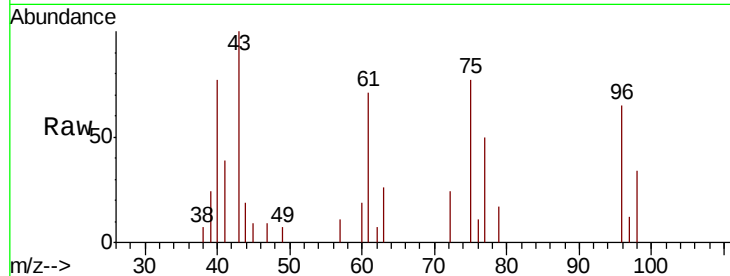




#27
 cis-1,2-Dichloroethene
 Concen: 0.832 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

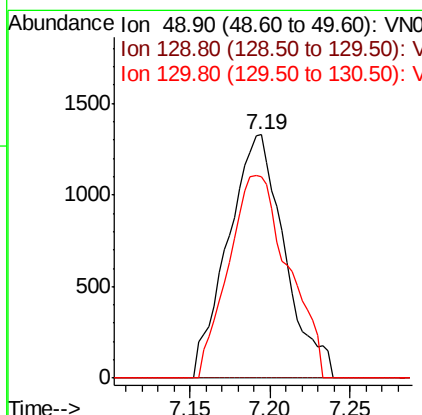
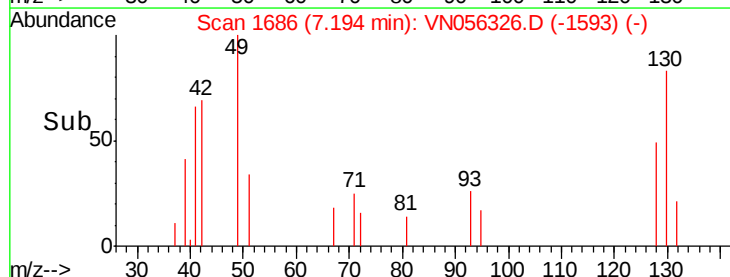
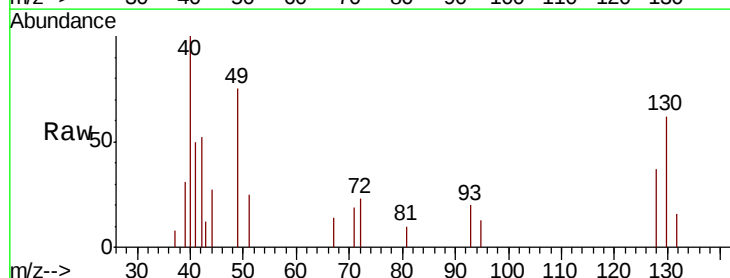
Instrument :
 MSVOA_N
 ClientSampled :

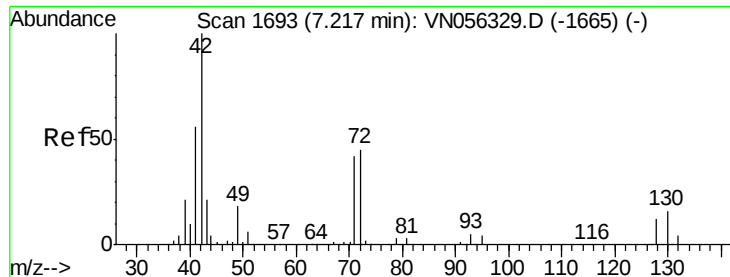
Tot Ion: 96 Resp: 3957
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 278.6
 98 62.3 0.0 127.0



#28
 Bromochloromethane
 Concen: 0.912 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 49 Resp: 3219
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 88.0 66.4 99.6

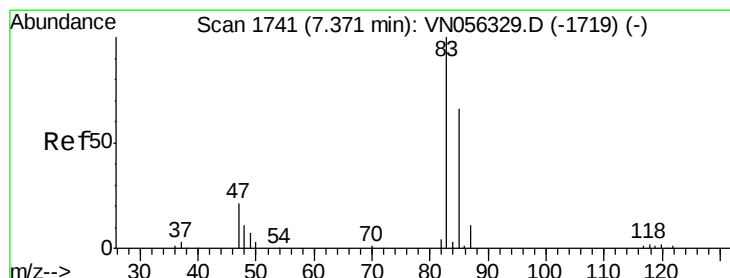
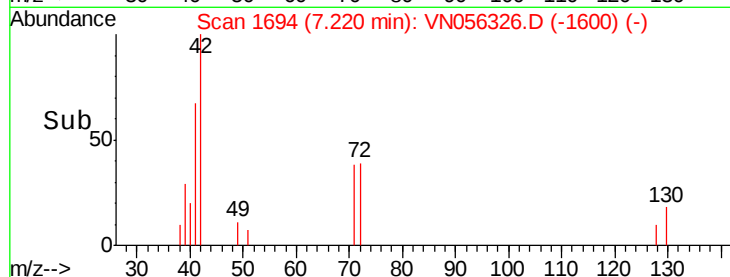
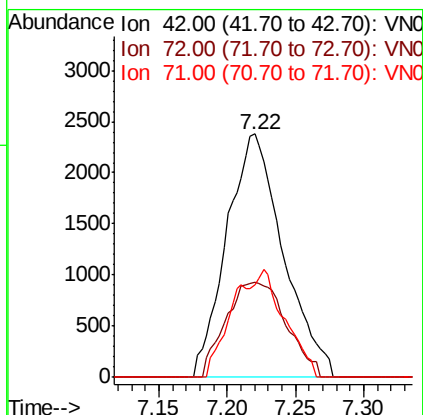
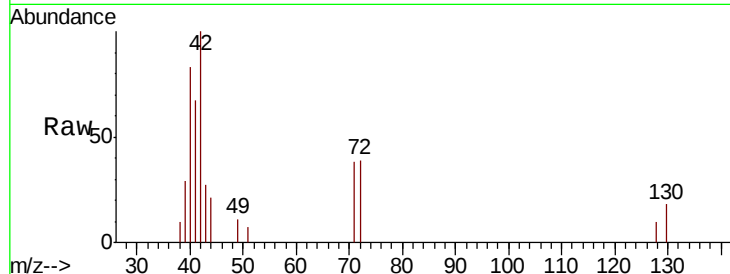




#29
Tetrahydrofuran
Concen: 3.870 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

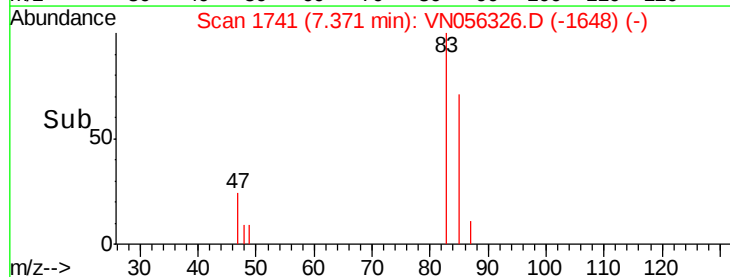
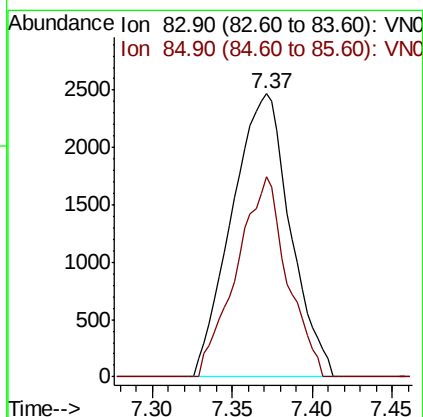
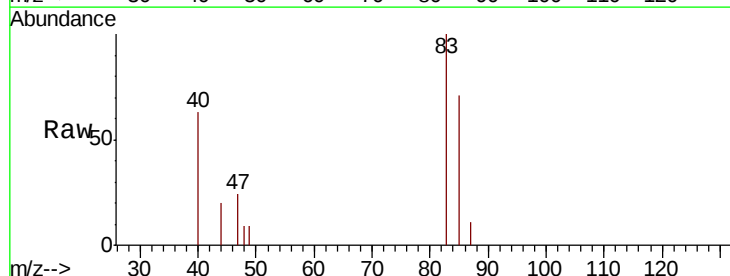
Instrument :
MSVOA_N
ClientSampled :

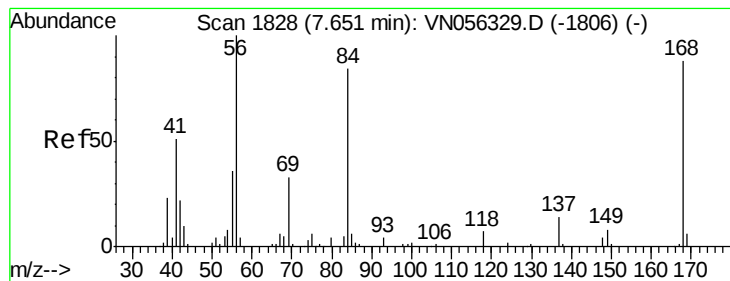
Tot Ion: 42 Resp: 6857
Ion Ratio Lower Upper
42 100
72 41.8 35.3 52.9
71 16.8 32.7 49.1#



#30
Chloroform
Concen: 0.850 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 83 Resp: 6177
Ion Ratio Lower Upper
83 100
85 70.7 52.6 78.8





#31

Cyclohexane

Concen: 1.478 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

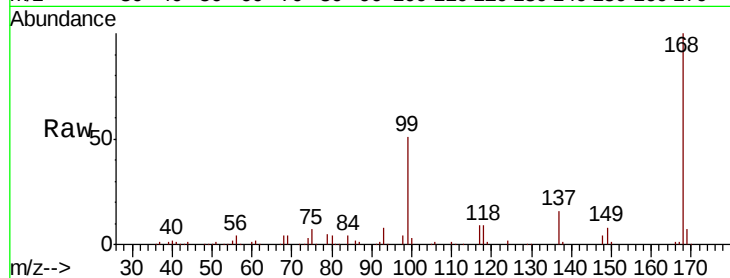
Tot Ion: 56 Resp: 10971

Ion Ratio Lower Upper

56 100

69 108.2 26.0 39.0#

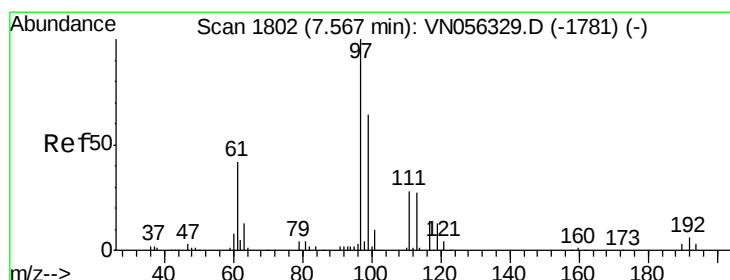
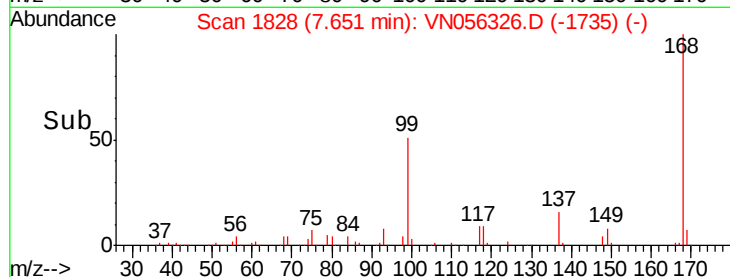
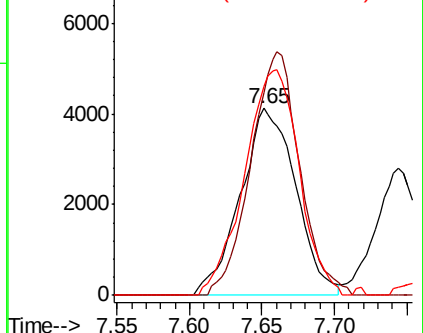
84 112.1 67.4 101.0#



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



#32

1,1,1-Trichloroethane

Concen: 0.828 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

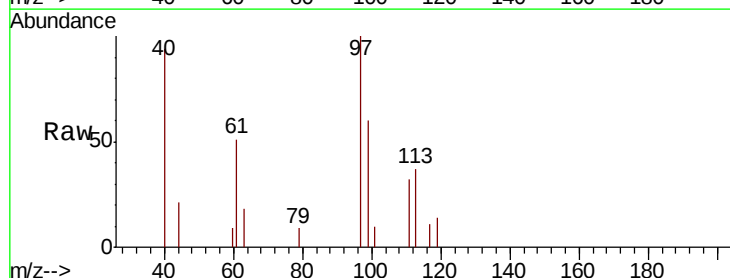
Tgt Ion: 97 Resp: 5023

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

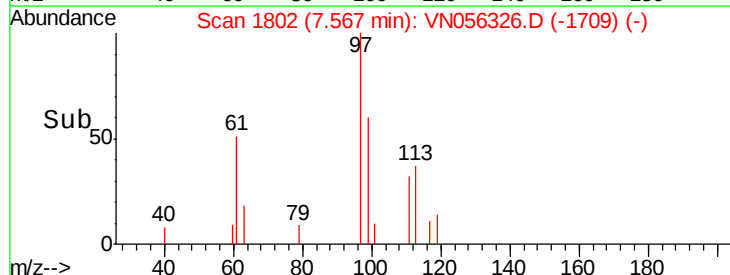
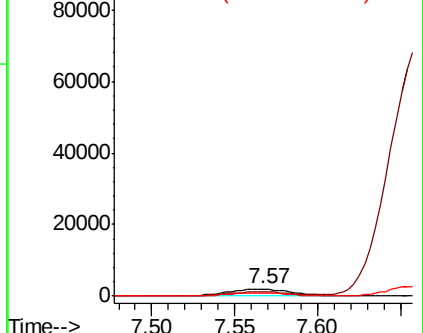
61 44.6 34.4 51.6

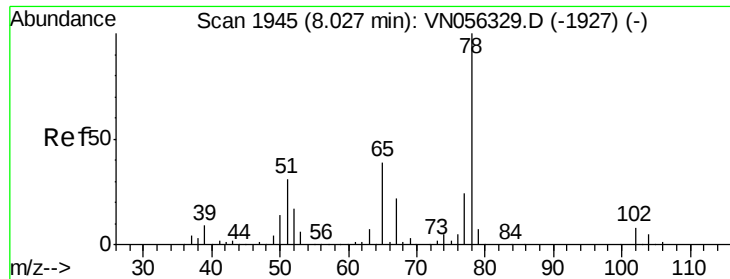


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

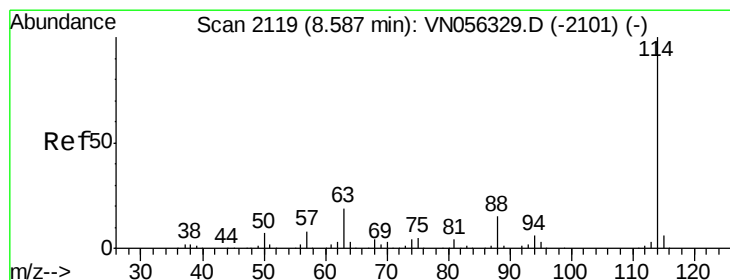
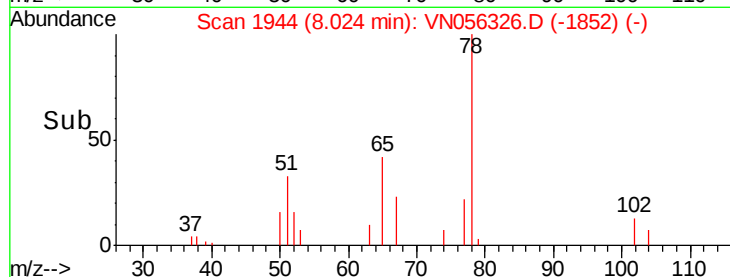
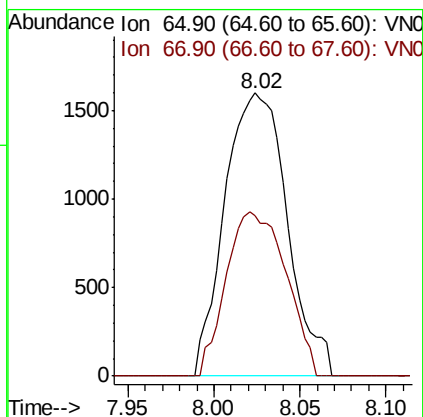
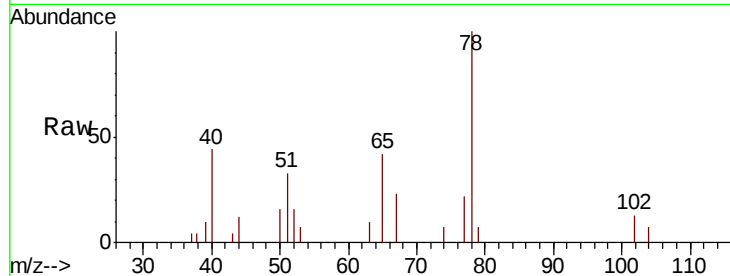




#33
 1,2-Dichloroethane-d4
 Concen: 0.855 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

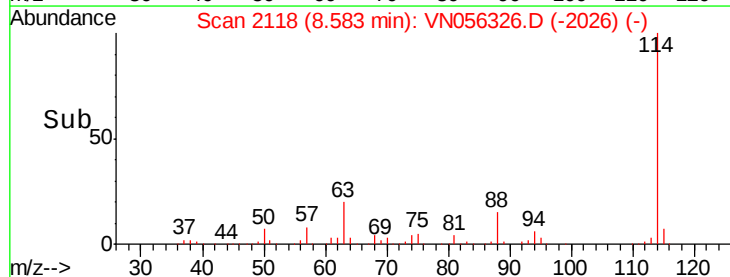
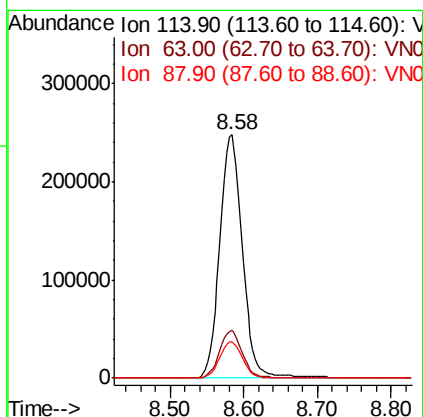
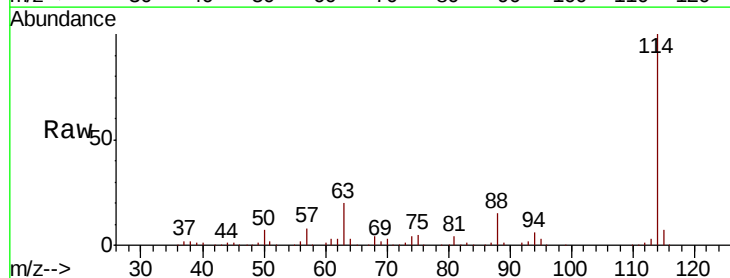
Instrument :
 MSVOA_N
 ClientSampleId :

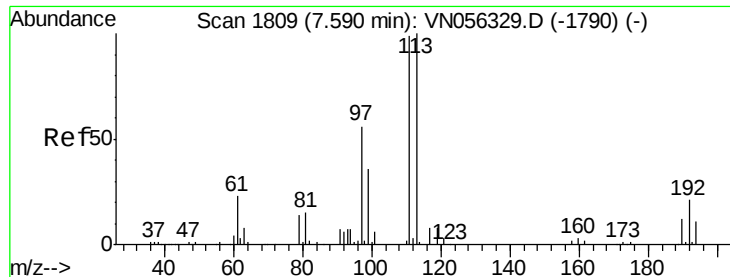
Tot Ion: 65 Resp: 4043
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 114 Resp: 531503
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.8
 88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 0.788 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :

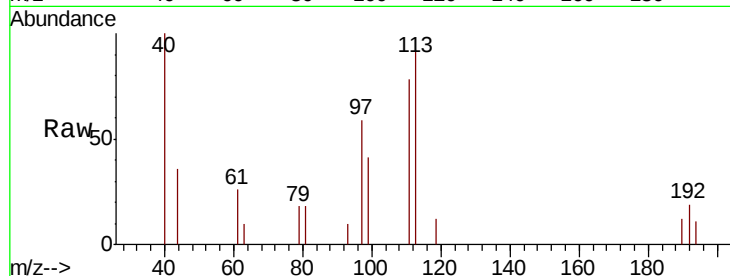
Tot Ion:113 Resp: 3439

Ion Ratio Lower Upper

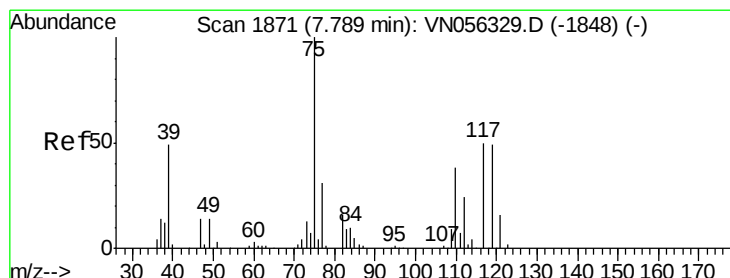
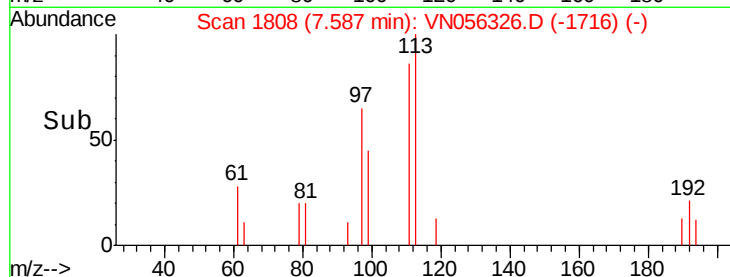
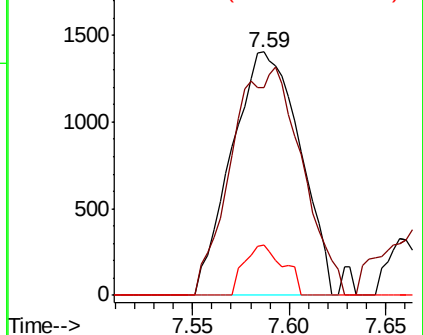
113 100

111 96.4 82.1 123.1

192 11.8 17.6 26.4#



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: 0.856 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

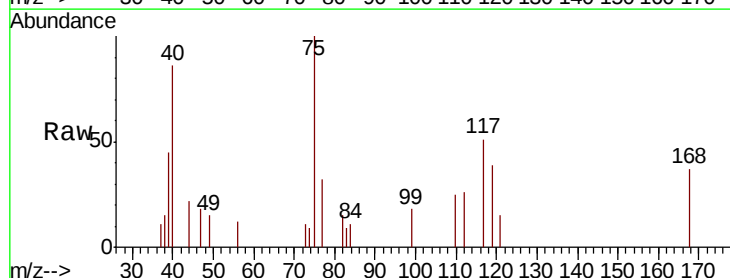
Tgt Ion: 75 Resp: 5042

Ion Ratio Lower Upper

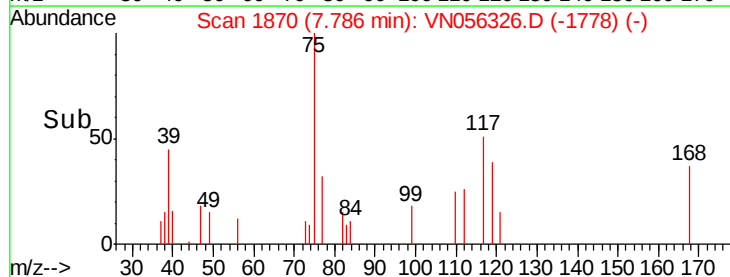
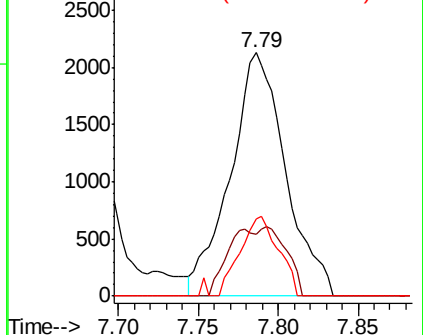
75 100

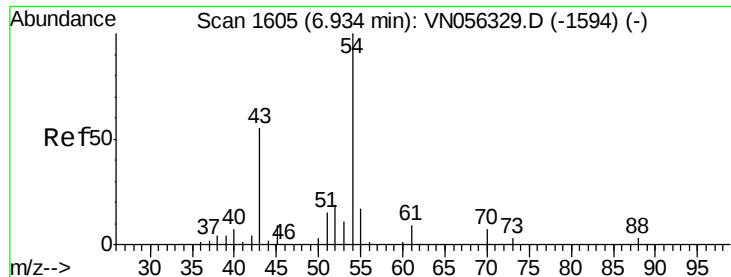
110 14.8 18.6 56.0#

77 22.6 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

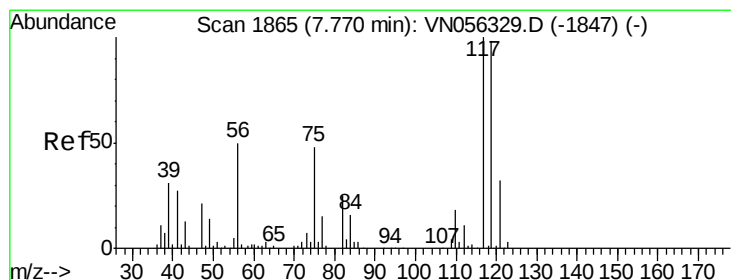
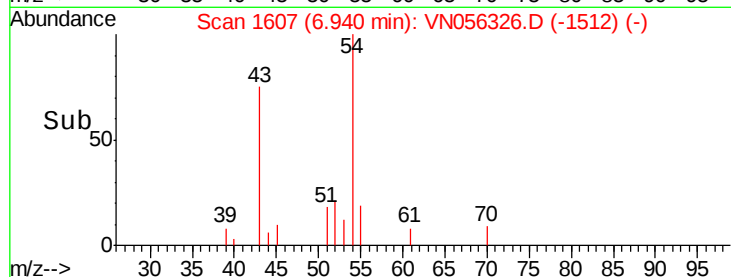
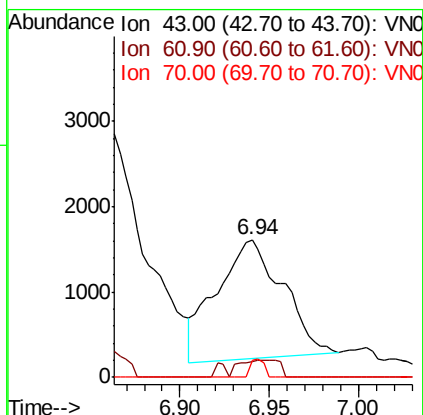
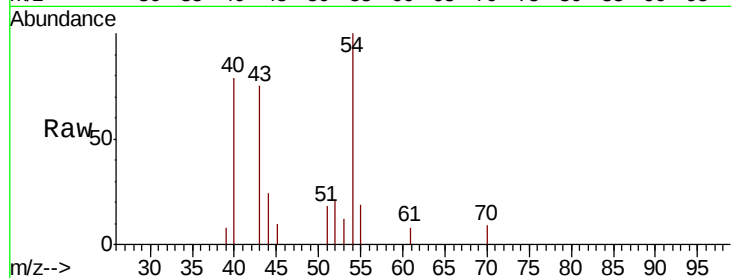




#37
Ethyl Acetate
Concen: 0.653 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

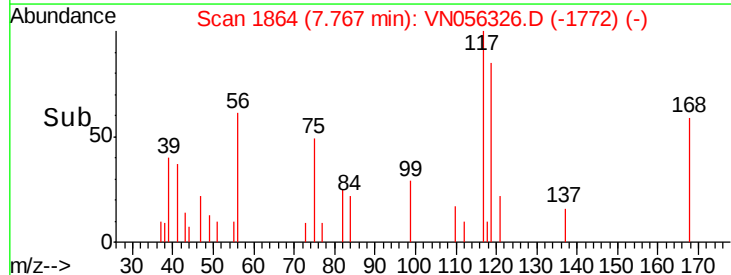
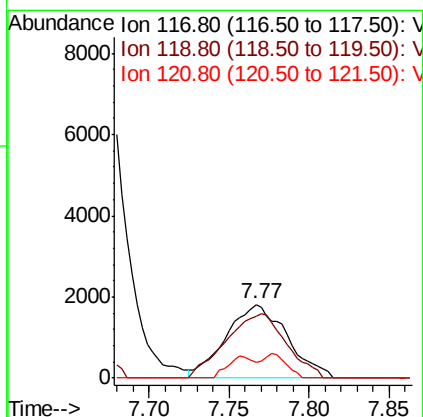
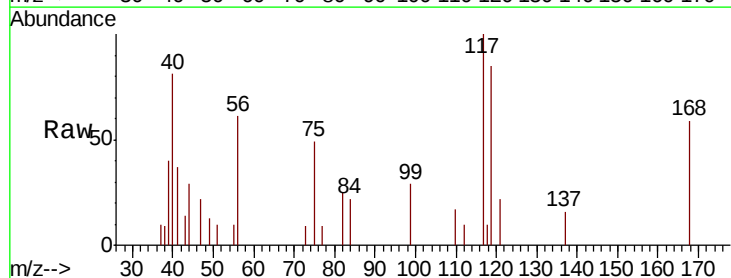
Instrument :
MSVOA_N
ClientSampled :

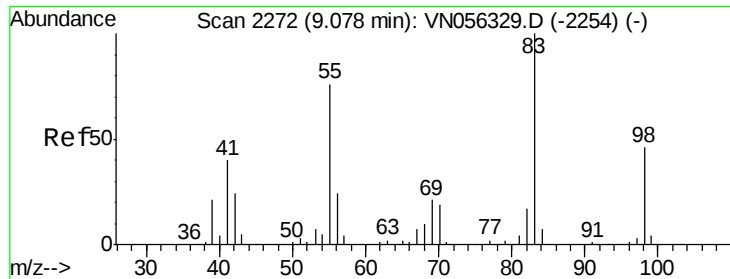
Tot Ion: 43 Resp: 3608
Ion Ratio Lower Upper
43 100
61 8.9 11.7 17.5#
70 3.1 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 0.861 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 117 Resp: 4729
Ion Ratio Lower Upper
117 100
119 84.6 77.8 116.8
121 21.7 25.3 37.9#

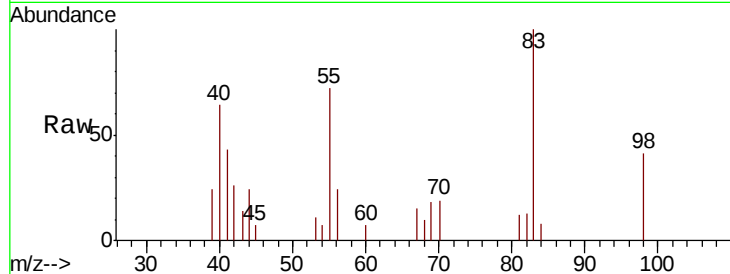




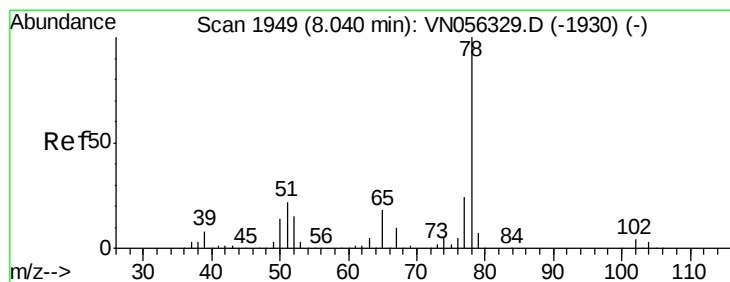
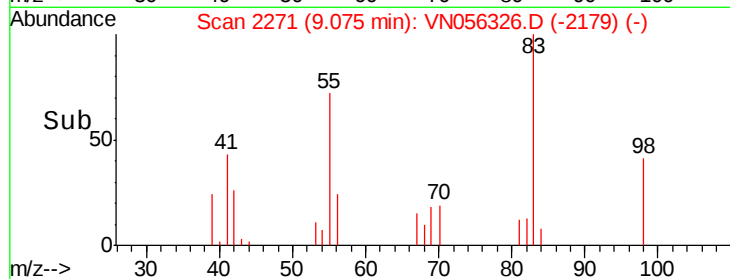
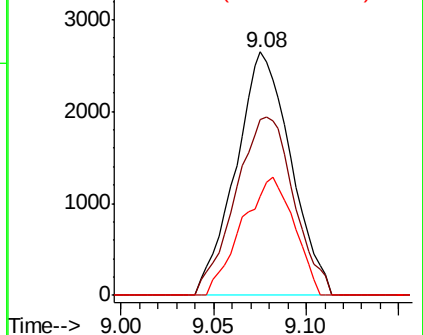
#39
Methvlcvclohexane
Concen: 0.747 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 5445
Ion Ratio Lower Upper
83 100
55 72.2 60.8 91.2
98 40.6 36.8 55.2

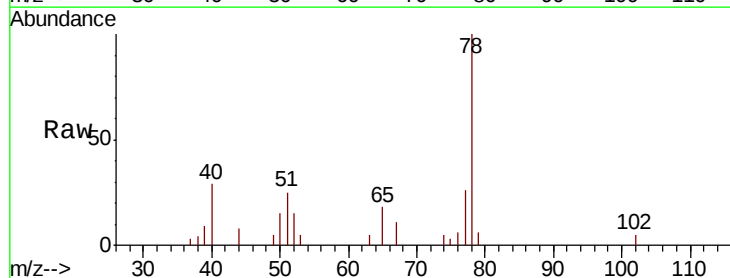


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

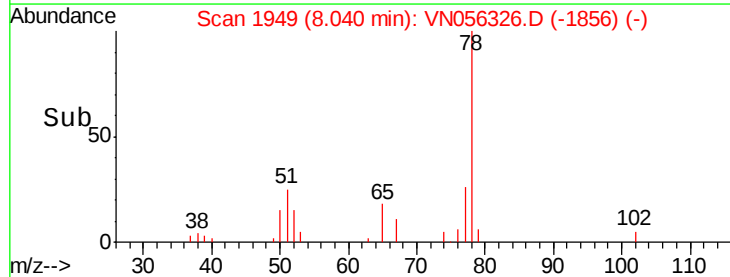
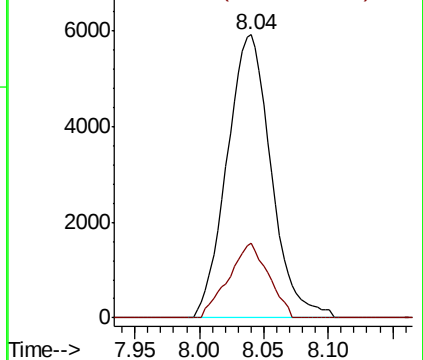


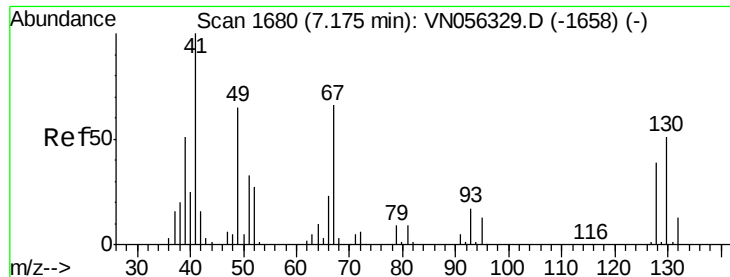
#40
Benzene
Concen: 0.789 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 78 Resp: 14085
Ion Ratio Lower Upper
78 100
77 26.4 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

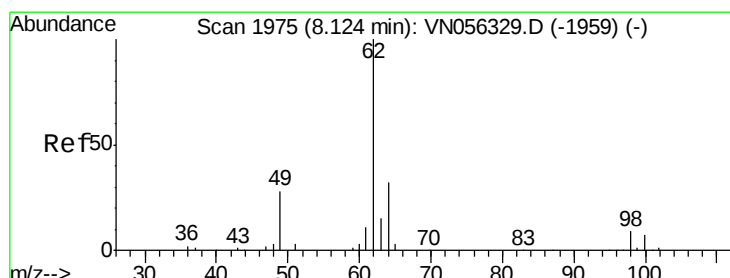
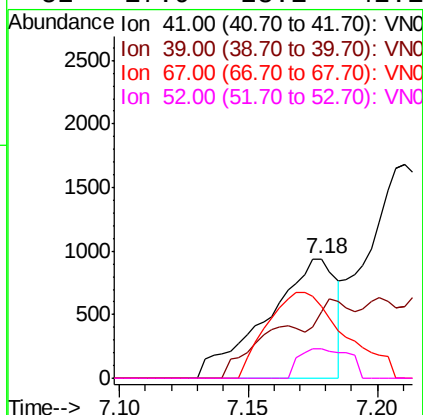
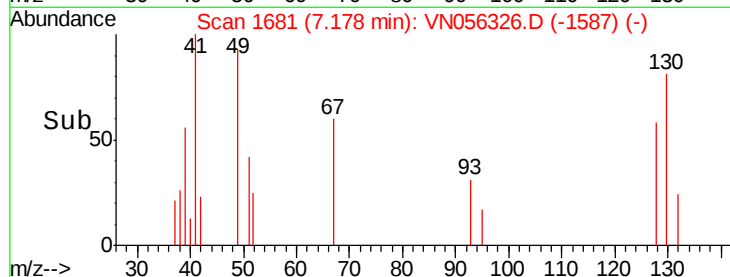
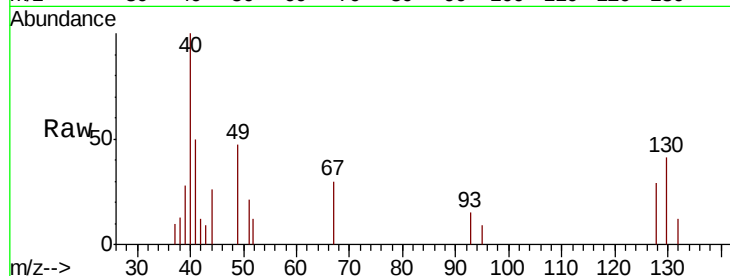




#41
Methacrylonitrile
Concen: 0.672 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

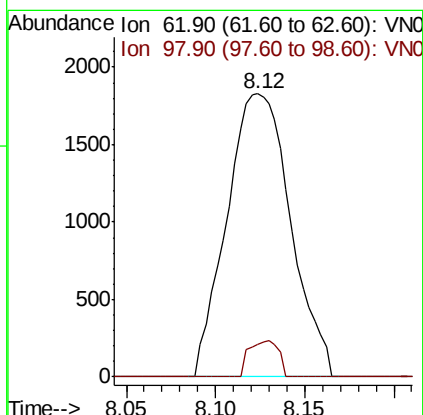
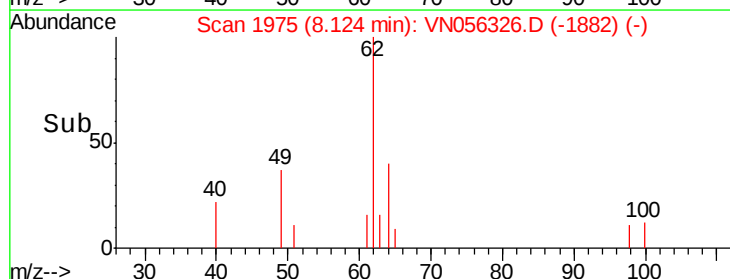
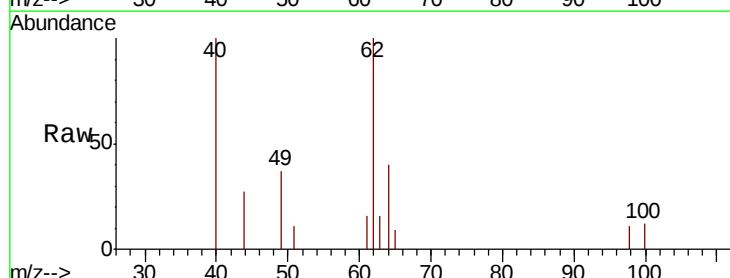
Instrument :
MSVOA_N
ClientSampled :

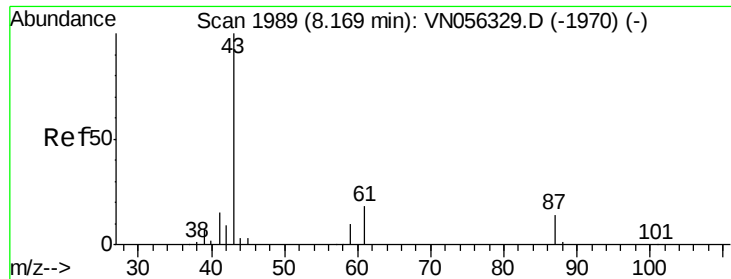
Tot Ion: 41 Resp: 1742
Ion Ratio Lower Upper
41 100
39 12.5 44.5 66.7#
67 80.8 69.0 103.4
52 17.9 28.1 42.1#



#42
1,2-Dichloroethane
Concen: 0.784 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 62 Resp: 4554
Ion Ratio Lower Upper
62 100
98 6.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 0.760 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

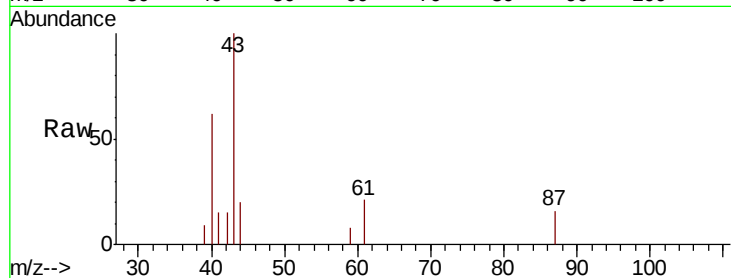
Tot Ion: 43 Resp: 6624

Ion Ratio Lower Upper

43 100

61 15.7 16.6 25.0#

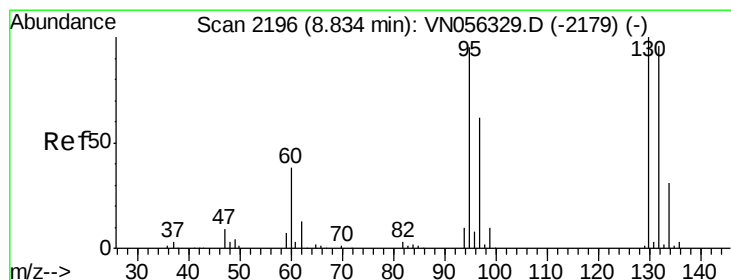
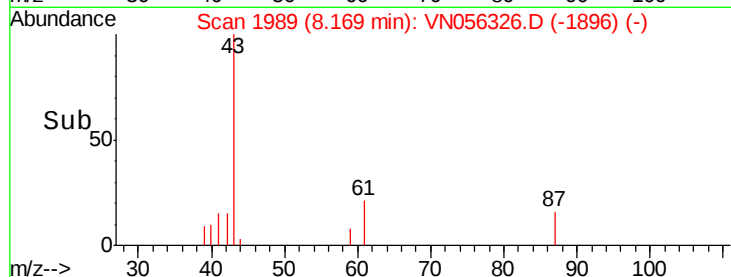
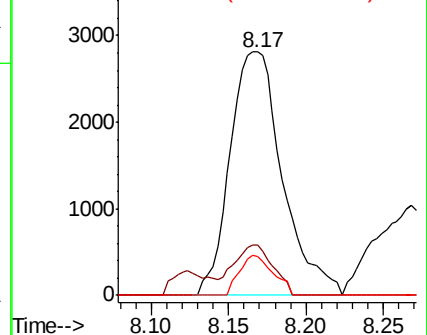
87 10.5 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056329.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056329.D (-1970) (-)



#44

Trichloroethene

Concen: 0.762 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056326.D

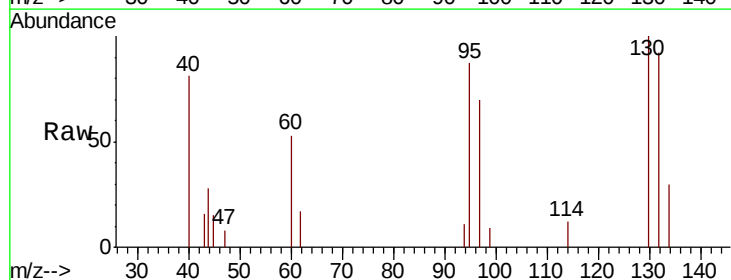
Acq: 17 Jun 2019 8:51

Tgt Ion: 130 Resp: 3802

Ion Ratio Lower Upper

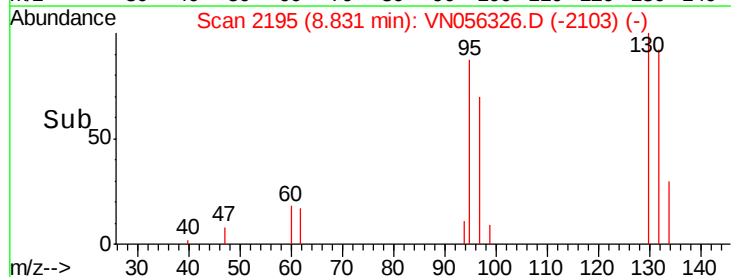
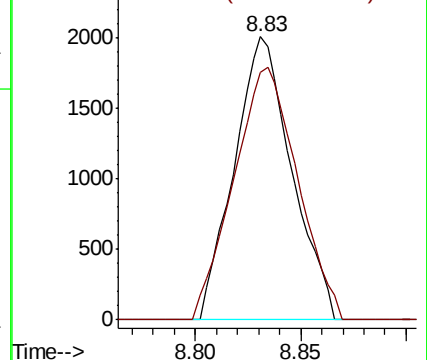
130 100

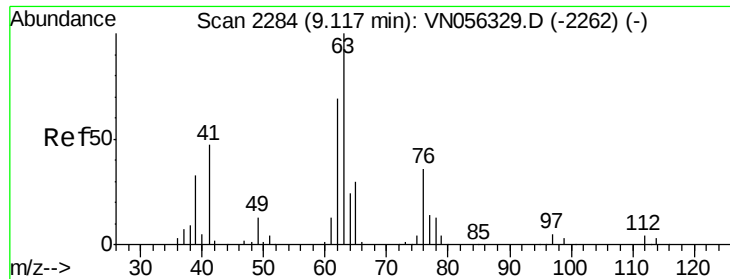
95 87.3 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): VN056329.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056329.D (-2179) (-)

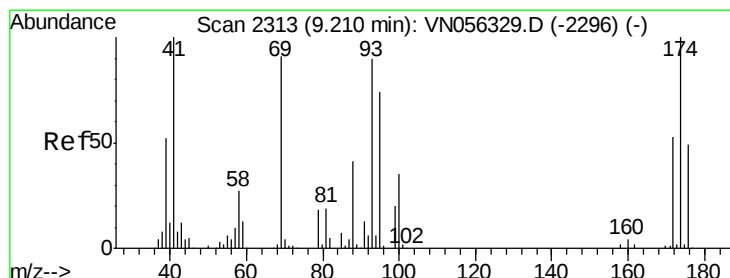
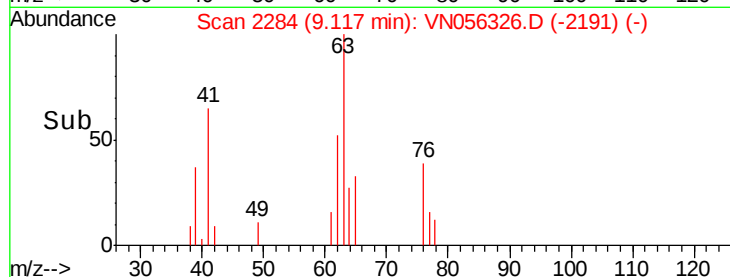
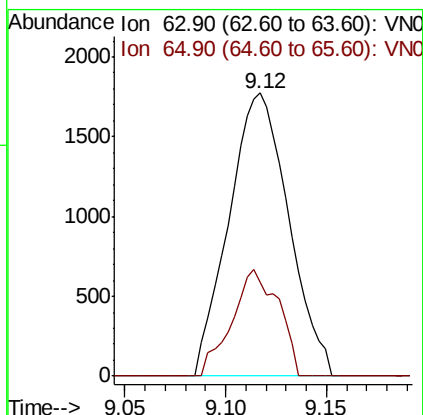
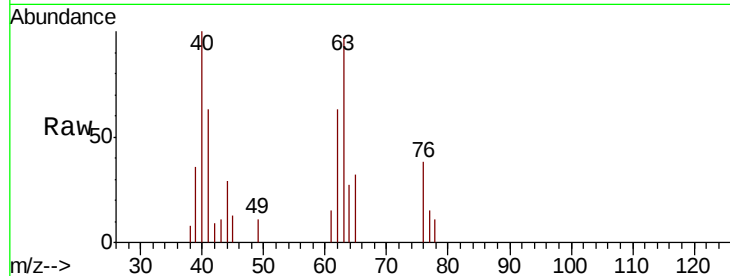




#45
 1,2-Dichloropropane
 Concen: 0.785 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

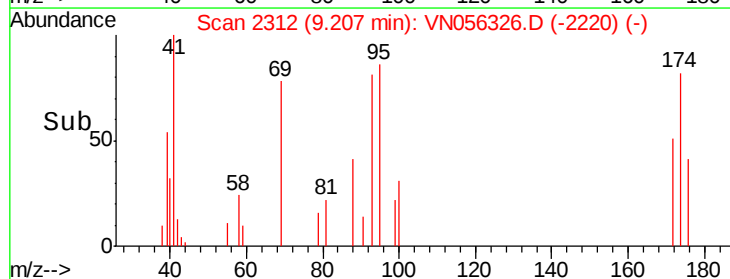
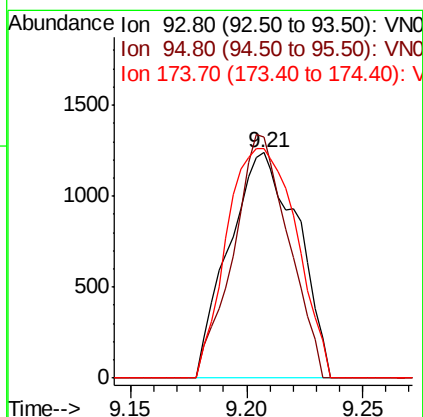
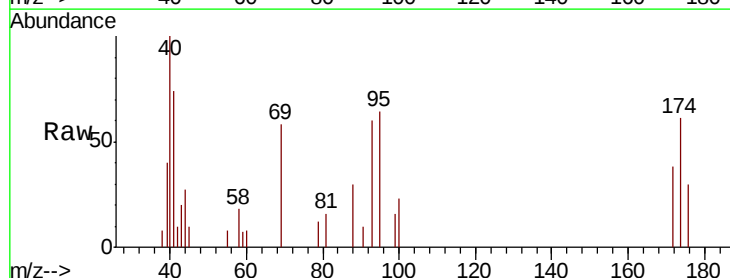
Instrument :
 MSVOA_N
 ClientSampleId :

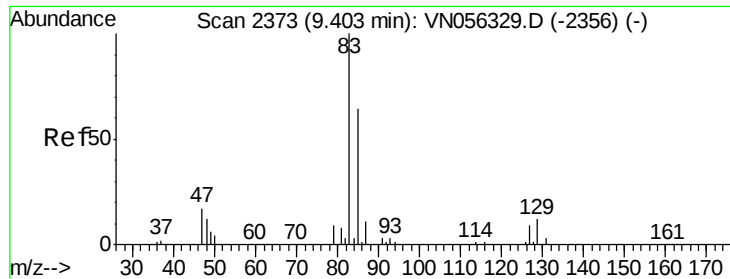
Tot Ion: 63 Resp: 3661
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.4 36.6



#46
 Dibromomethane
 Concen: 0.837 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 93 Resp: 2557
 Ion Ratio Lower Upper
 93 100
 95 86.5 67.2 100.8
 174 102.8 90.3 135.5





#47

Bromodichloromethane

Concen: 0.861 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

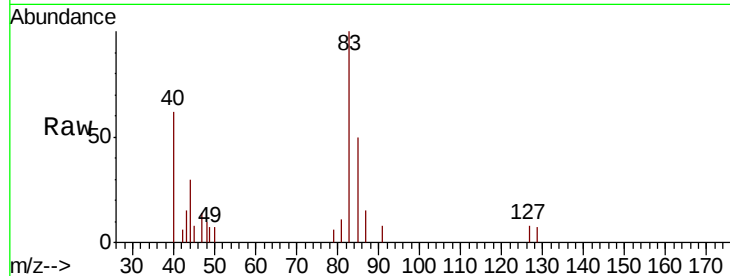
Tot Ion: 83 Resp: 4889

Ion Ratio Lower Upper

83 100

85 50.3 51.1 76.7#

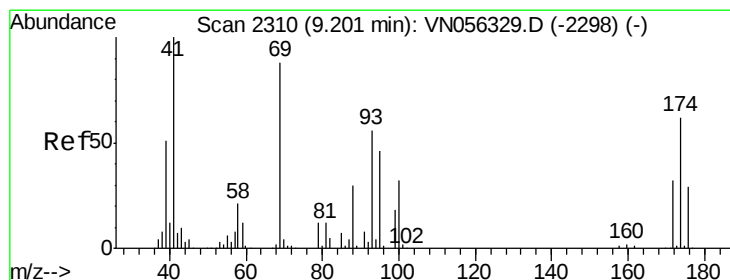
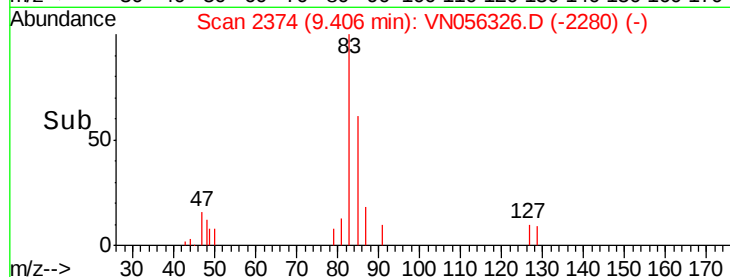
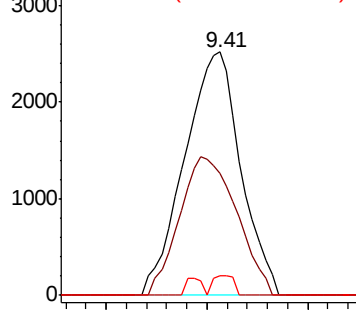
127 8.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN056326.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056326.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056326.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.774 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

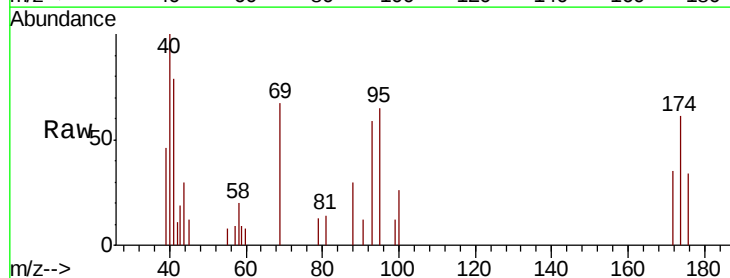
Tgt Ion: 41 Resp: 3367

Ion Ratio Lower Upper

41 100

69 81.0 71.0 106.6

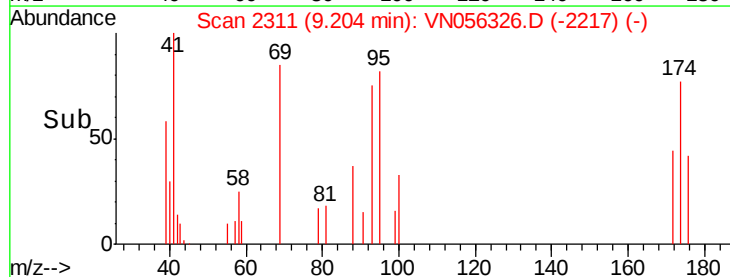
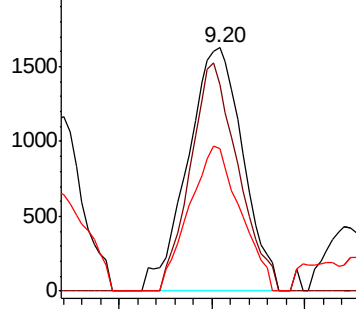
39 54.9 41.7 62.5

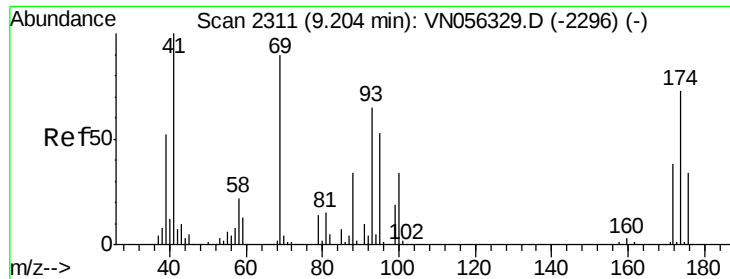


Abundance Ion 41.00 (40.70 to 41.70): VN056326.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN056326.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN056326.D (-2217) (-)

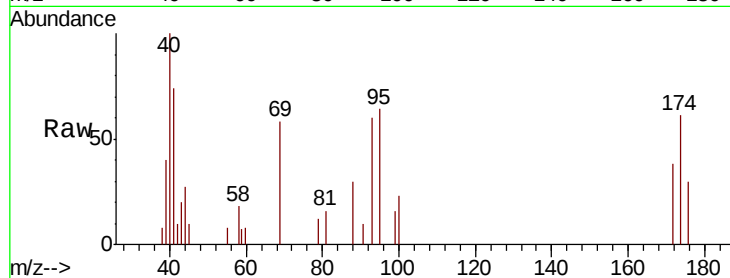




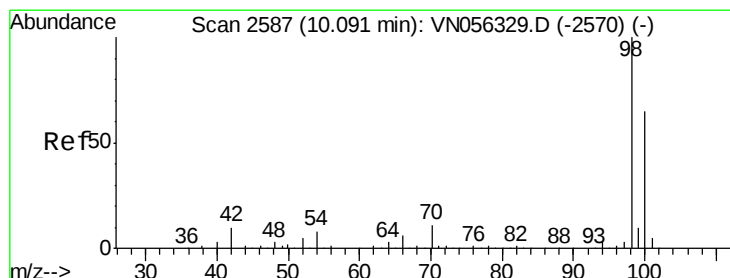
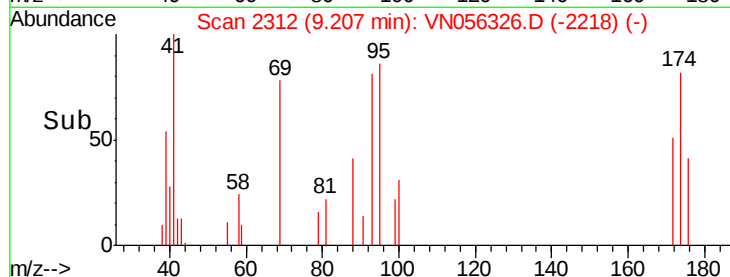
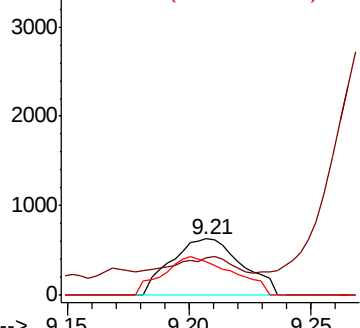
#49
1,4-Dioxane
Concen: 13.930 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 1268
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 67.5 57.3 85.9

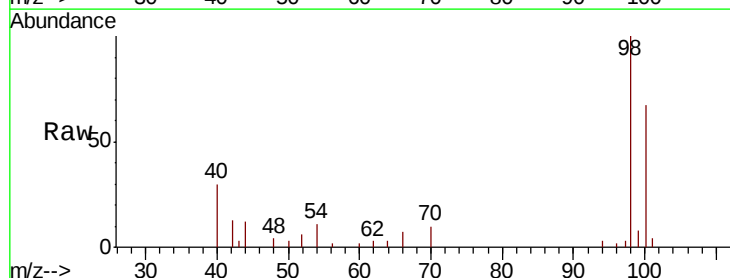


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

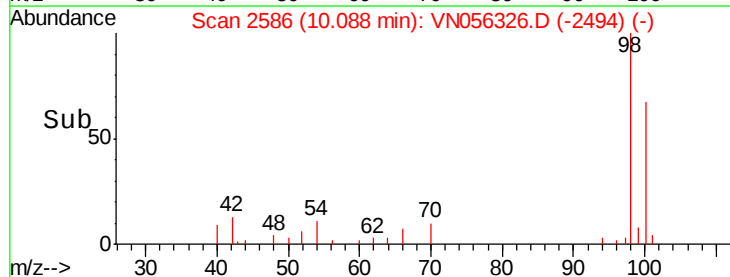
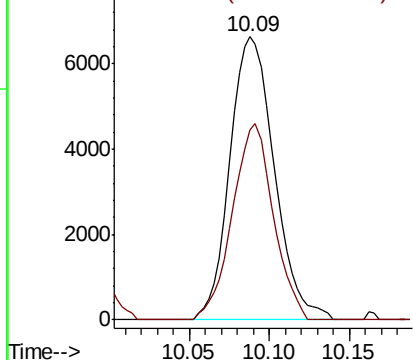


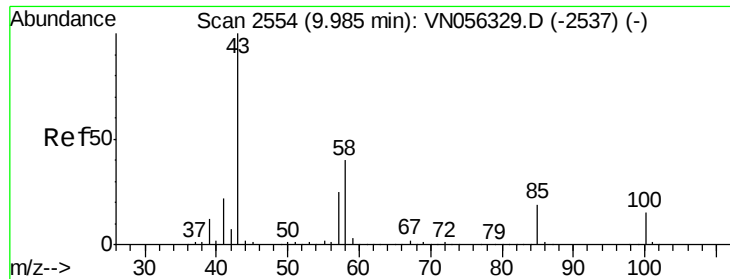
#50
Toluene-d8
Concen: 0.751 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 98 Resp: 12572
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 3.769 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

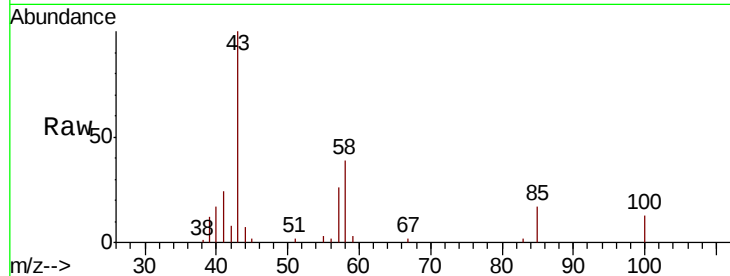
ClientSampleId :

Tot Ion: 43 Resp: 20953

Ion Ratio Lower Upper

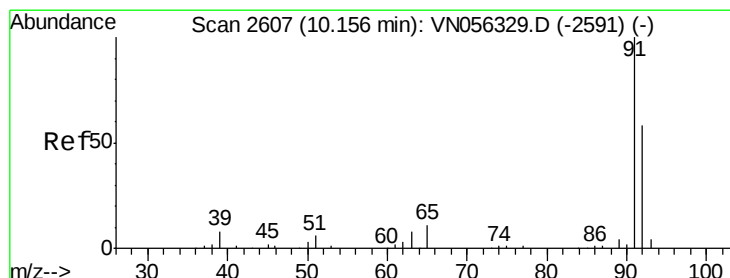
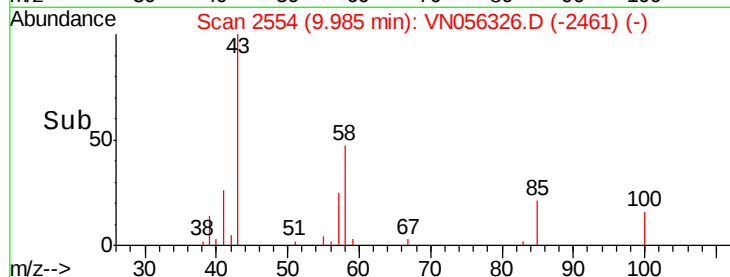
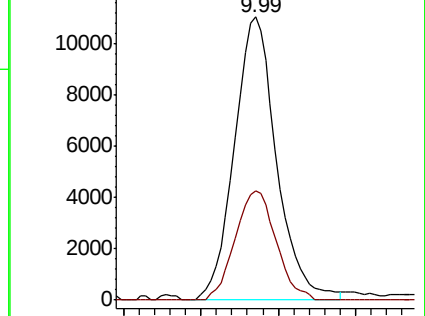
43 100

58 37.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.743 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056326.D

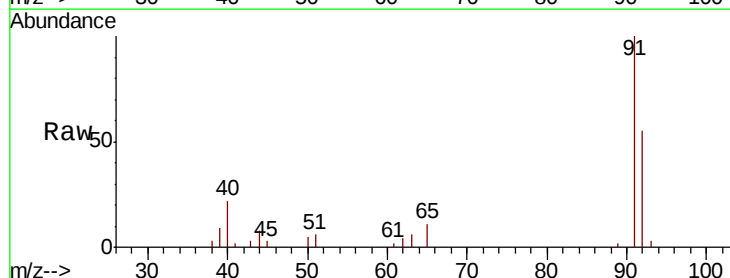
Acq: 17 Jun 2019 8:51

Tgt Ion: 92 Resp: 8245

Ion Ratio Lower Upper

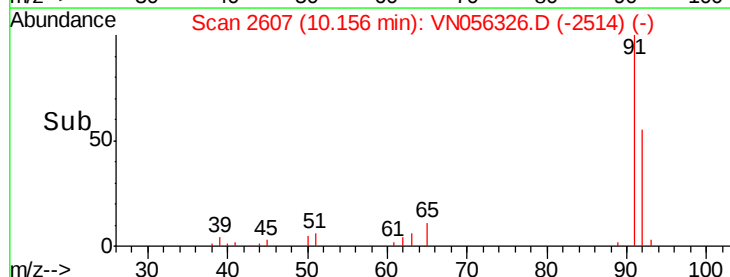
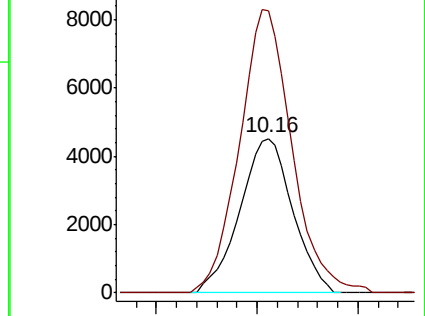
92 100

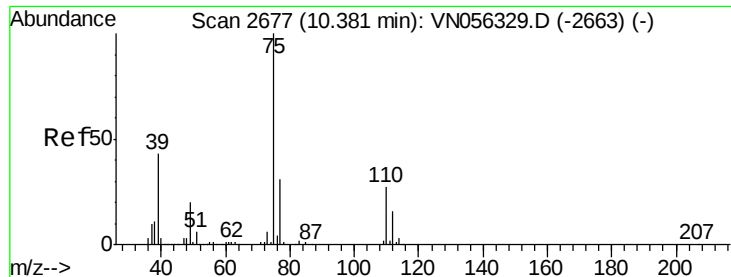
91 182.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.729 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

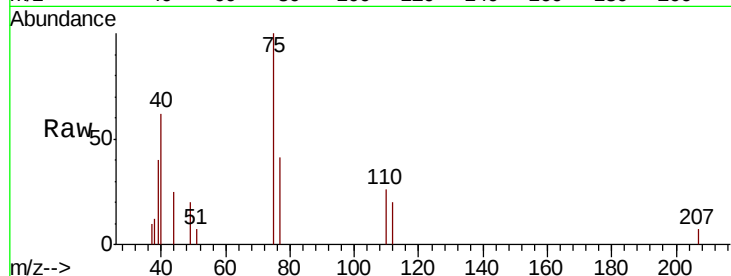
ClientSampled :

Tot Ion: 75 Resp: 4266

Ion Ratio Lower Upper

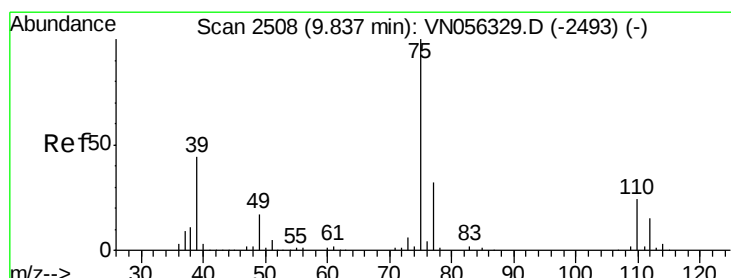
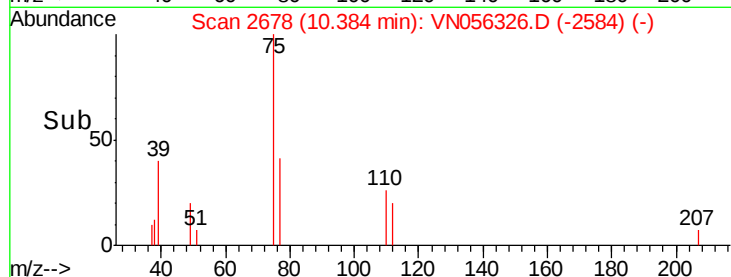
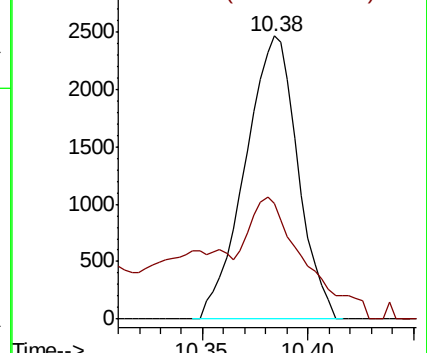
75 100

77 32.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.702 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

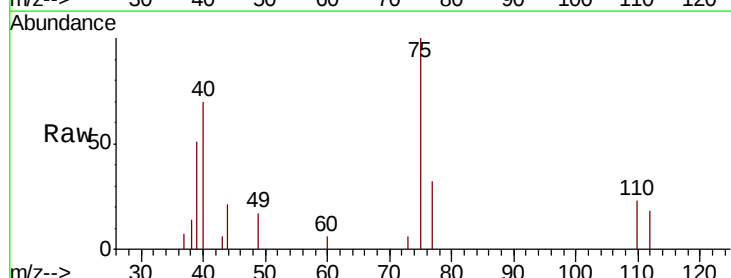
Tgt Ion: 75 Resp: 4717

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

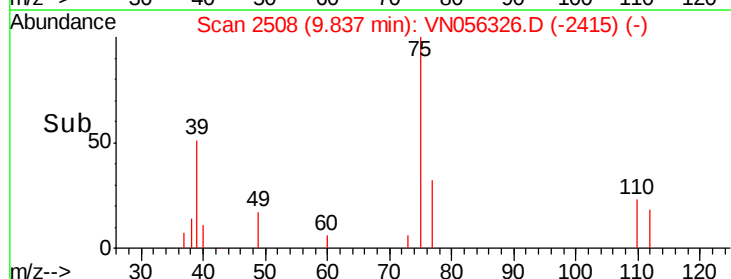
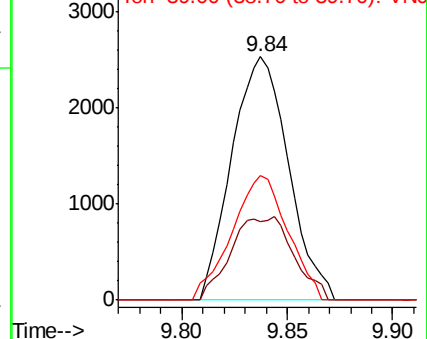
39 51.1 35.4 53.0

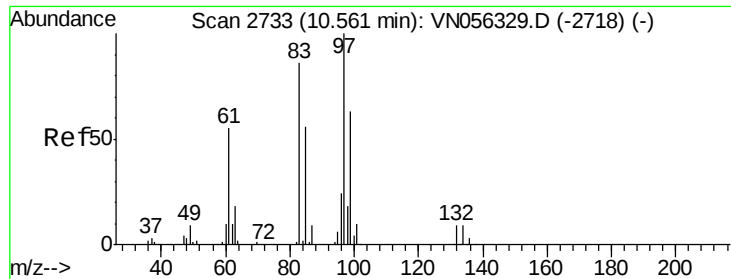


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

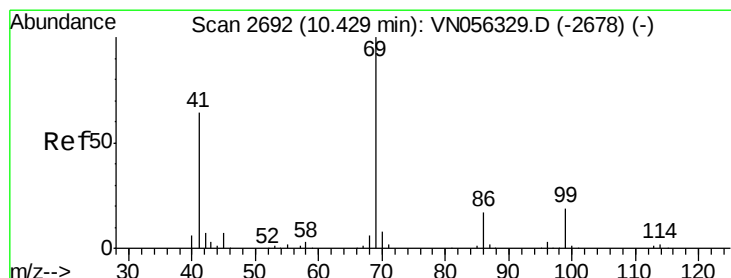
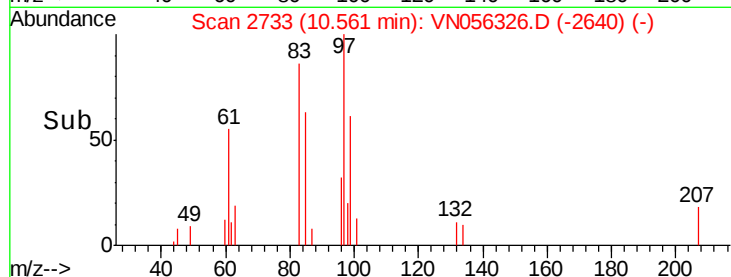
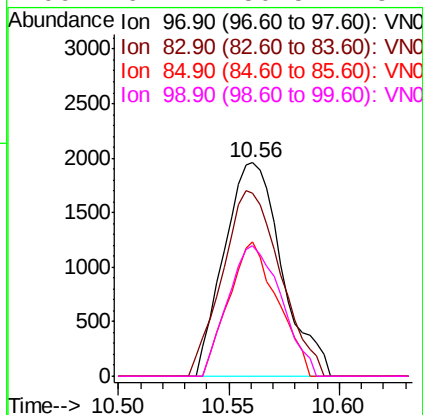
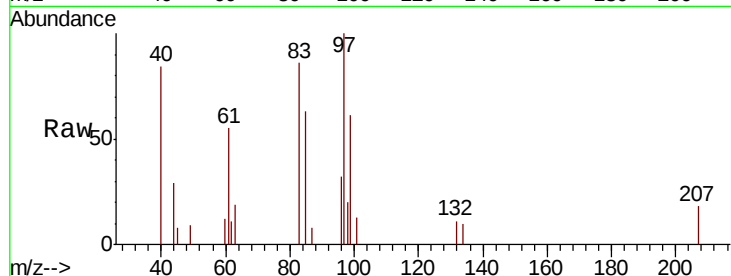




#55
 1,1,2-Trichloroethane
 Concen: 0.807 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

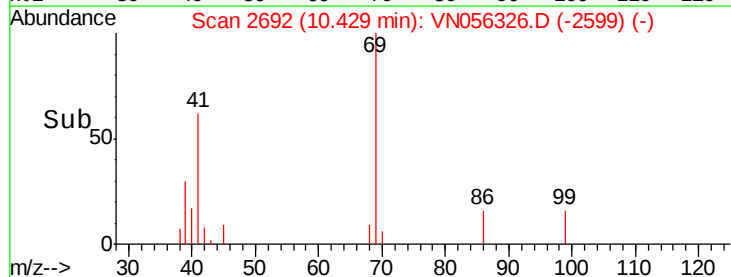
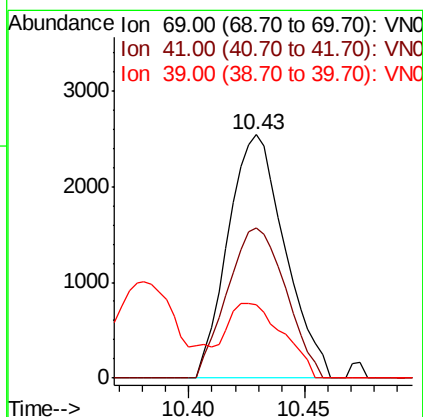
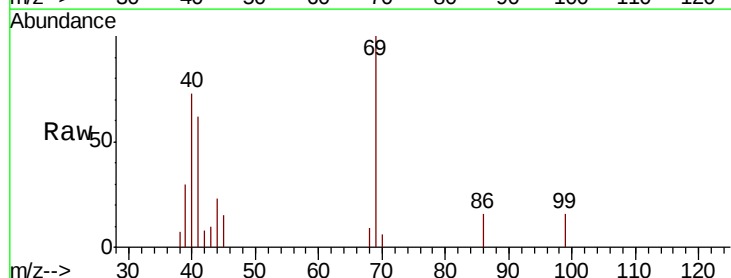
Instrument :
 MSVOA_N
 ClientSampleId :

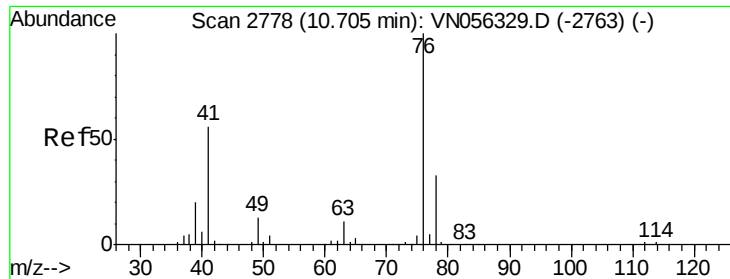
Tot Ion: 97 Resp: 3556
 Ion Ratio Lower Upper
 97 100
 83 85.8 69.0 103.4
 85 63.1 44.6 67.0
 99 61.4 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 0.656 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 69 Resp: 4323
 Ion Ratio Lower Upper
 69 100
 41 63.5 52.0 78.0
 39 30.9 24.4 36.6





#57

1,3-Dichloropropane

Concen: 0.867 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

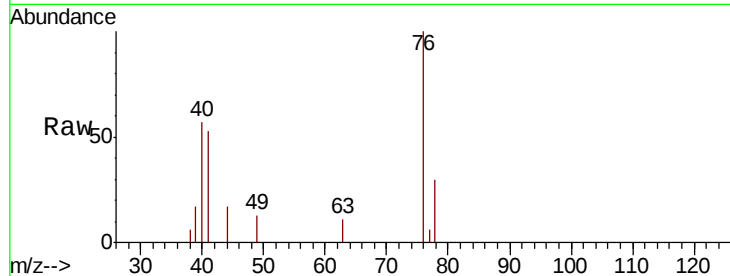
ClientSampled :

Tot Ion: 76 Resp: 6336

Ion Ratio Lower Upper

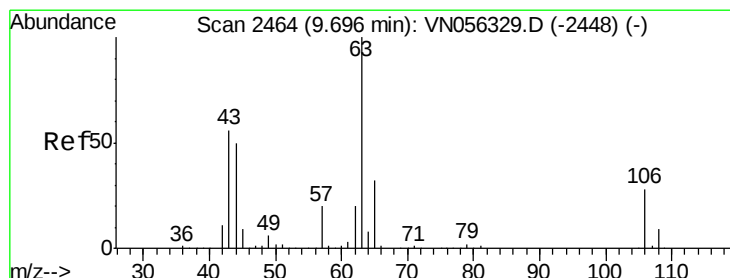
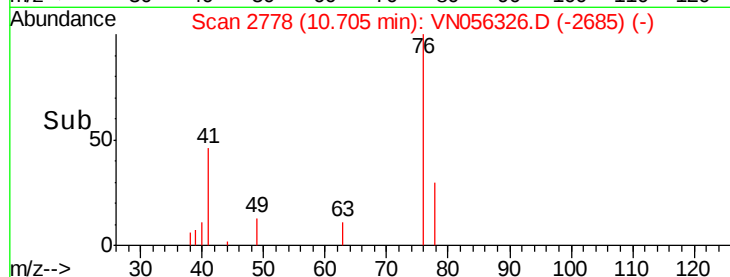
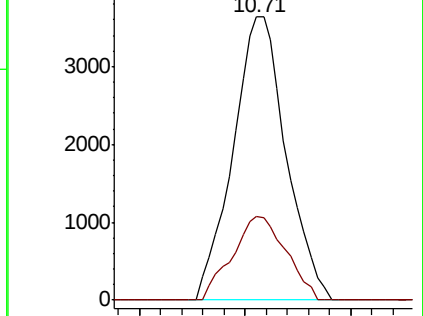
76 100

78 29.9 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 2.865 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056326.D

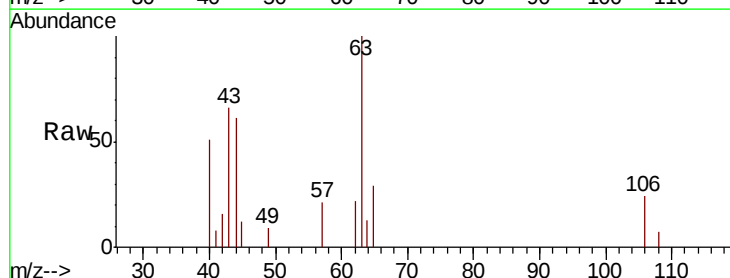
Acq: 17 Jun 2019 8:51

Tgt Ion: 63 Resp: 6367

Ion Ratio Lower Upper

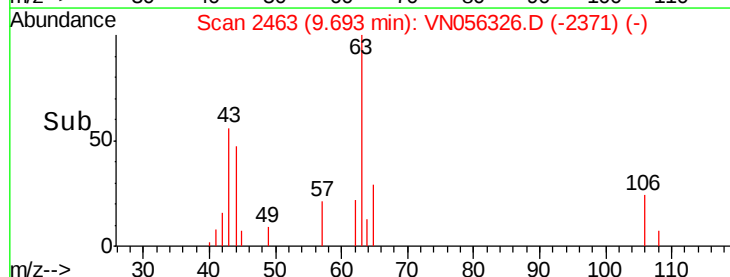
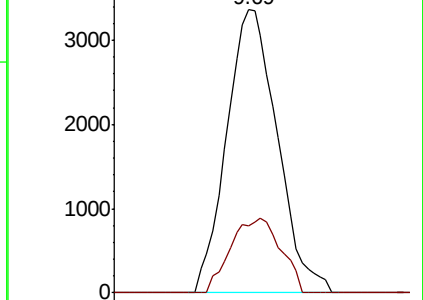
63 100

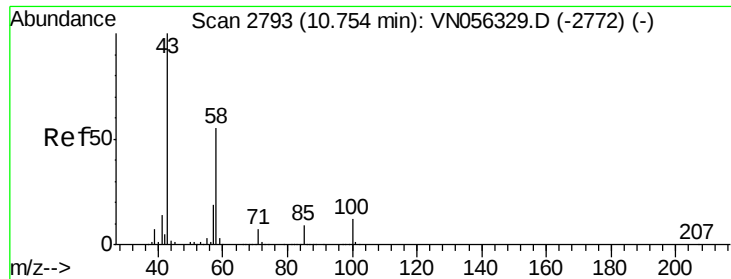
106 26.0 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

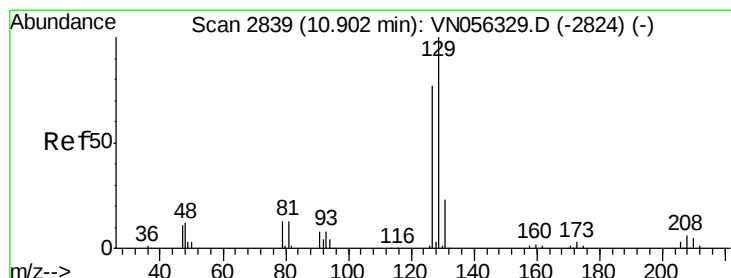
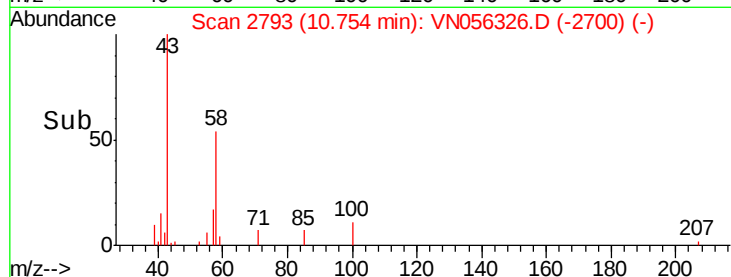
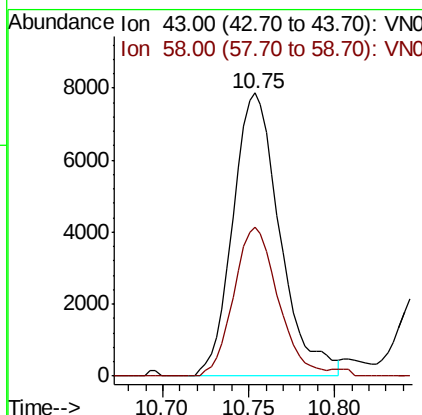
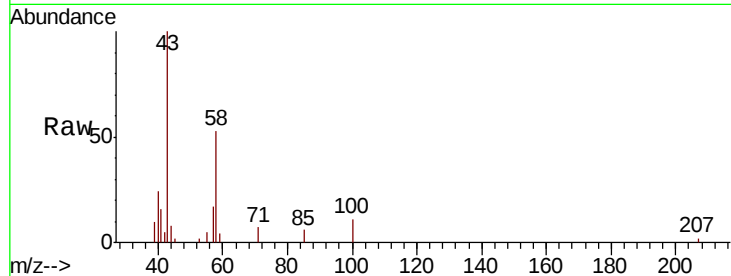




#59
2-Hexanone
Concen: 3.667 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

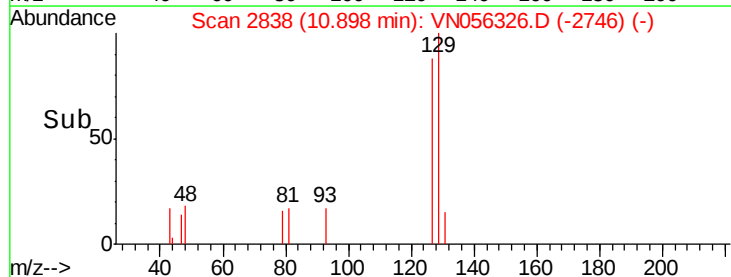
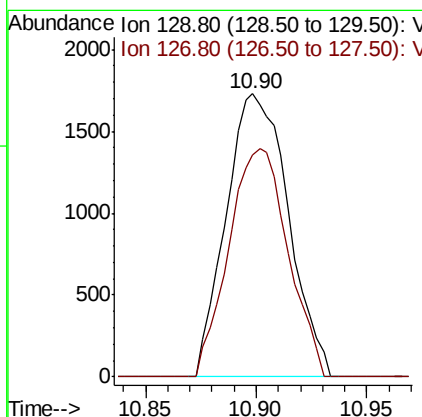
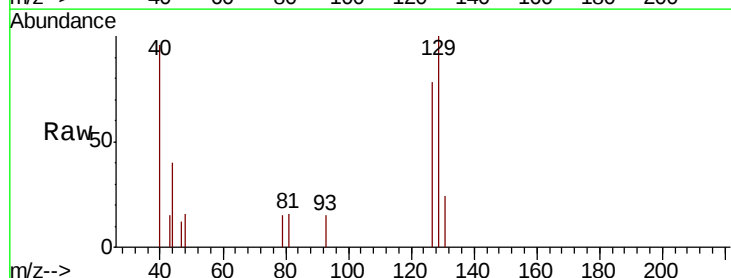
Instrument :
MSVOA_N
ClientSampled :

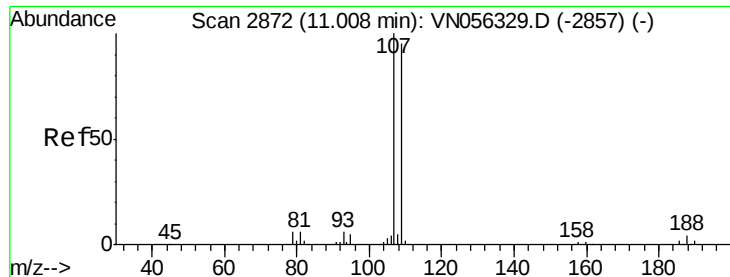
Tot Ion: 43 Resp: 14920
Ion Ratio Lower Upper
43 100
58 49.5 27.8 83.4



#60
Dibromochloromethane
Concen: 0.754 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 129 Resp: 3386
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 0.749 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

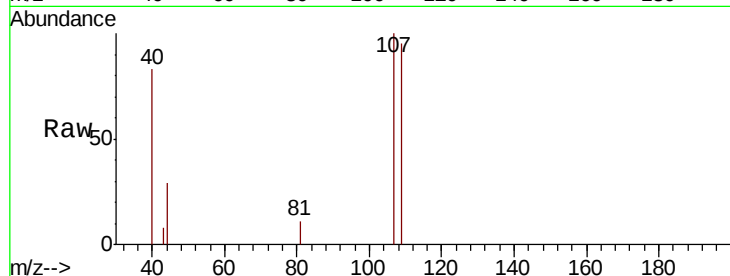
ClientSampled :

Tot Ion:107 Resp: 3432

Ion Ratio Lower Upper

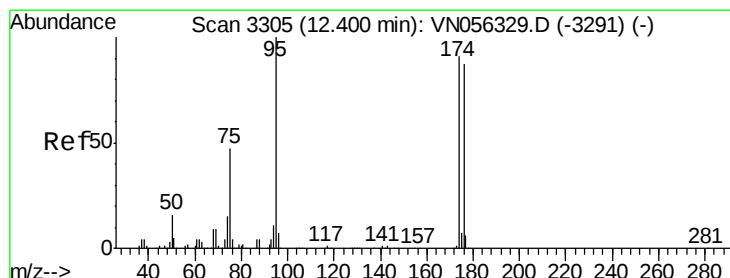
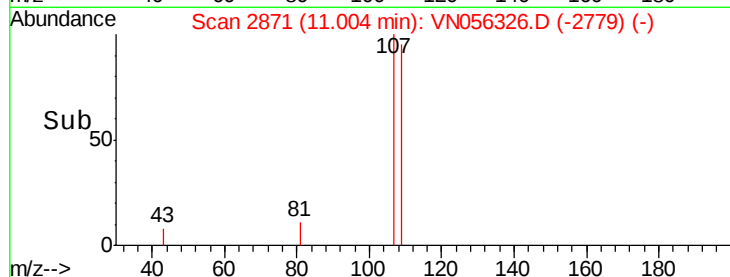
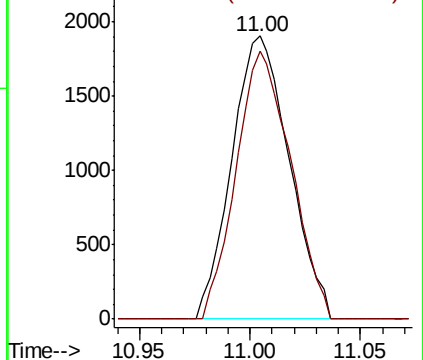
107 100

109 90.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 0.762 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

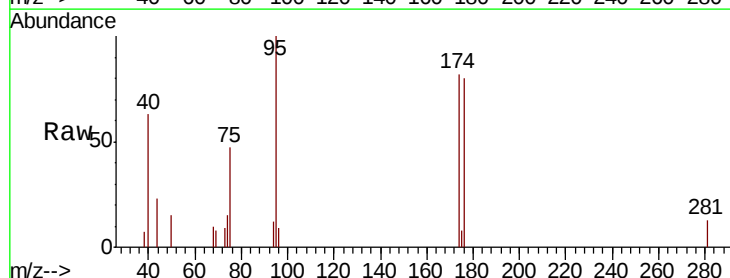
Tgt Ion: 95 Resp: 4357

Ion Ratio Lower Upper

95 100

174 87.3 0.0 182.6

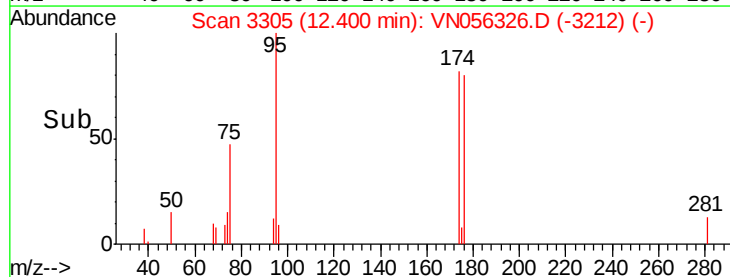
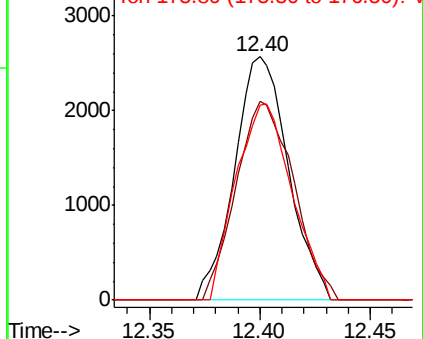
176 84.1 0.0 176.8

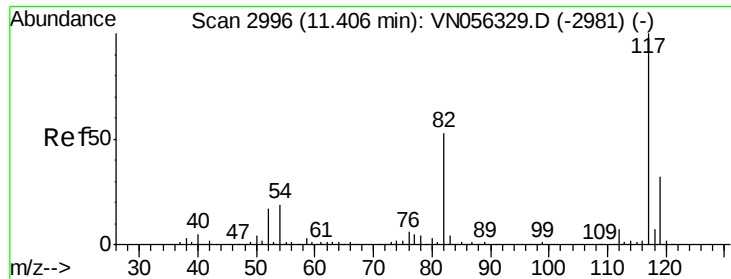


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

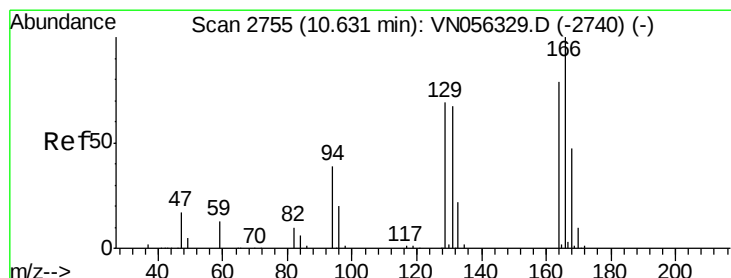
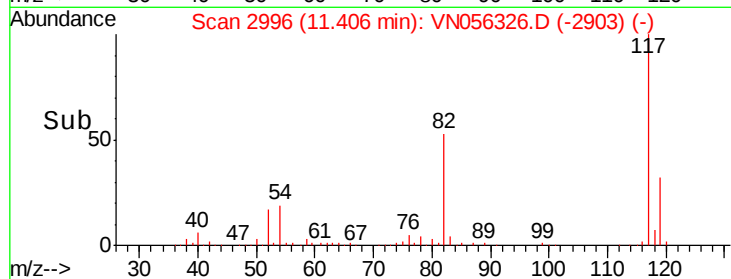
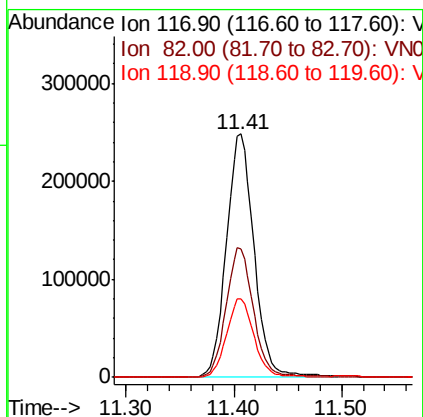
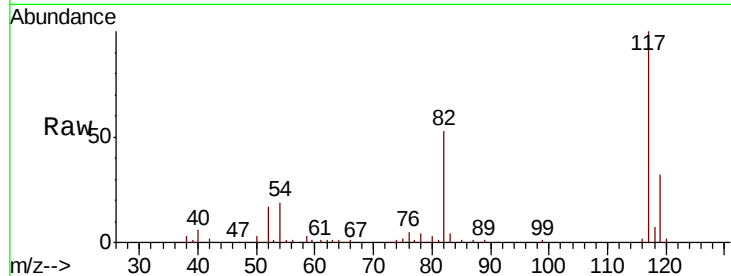




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

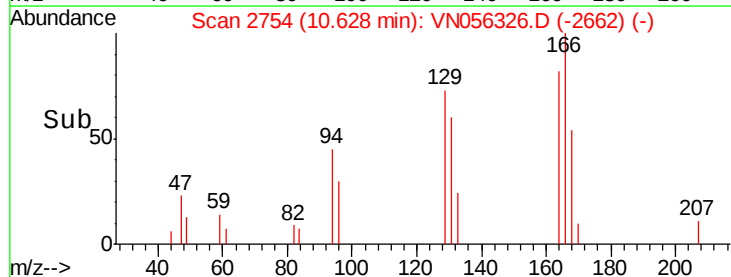
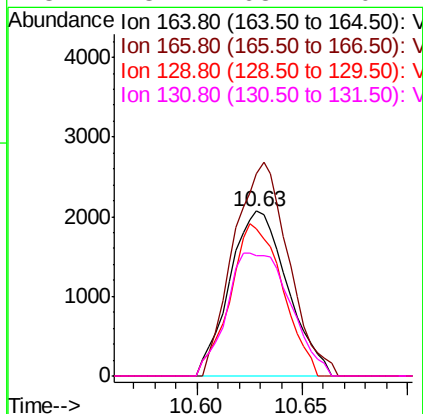
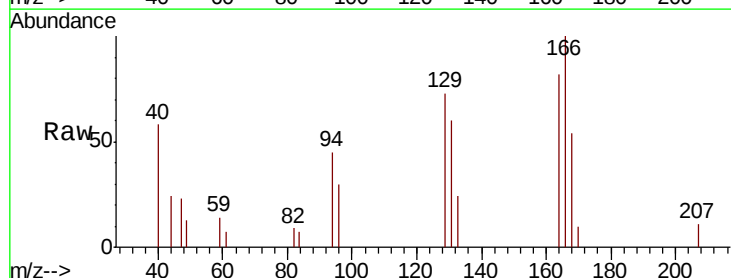
Instrument :
MSVOA_N
ClientSampleId :

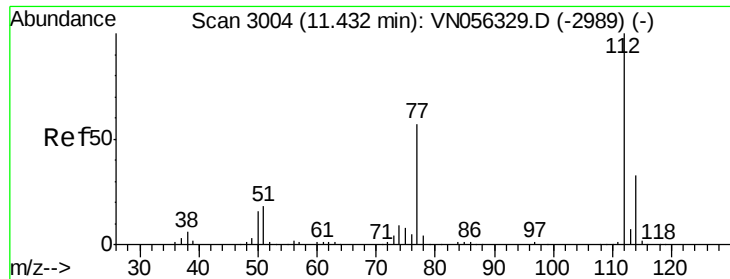
Tot Ion:117 Resp: 445459
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 0.839 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion:164 Resp: 3933
Ion Ratio Lower Upper
164 100
166 122.7 101.8 152.6
129 89.4 70.3 105.5
131 73.2 68.2 102.4





#65

Chlorobenzene

Concen: 0.800 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

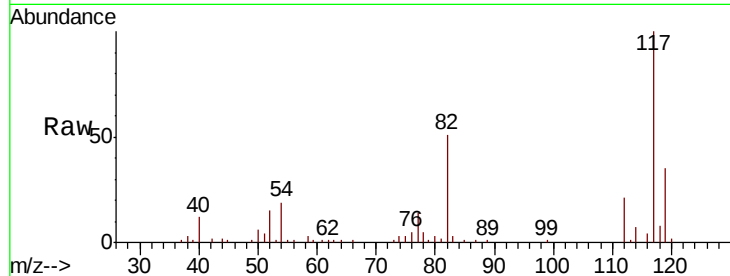
ClientSampleId :

Tot Ion:112 Resp: 8971

Ion Ratio Lower Upper

112 100

114 30.9 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

6000

5000

4000

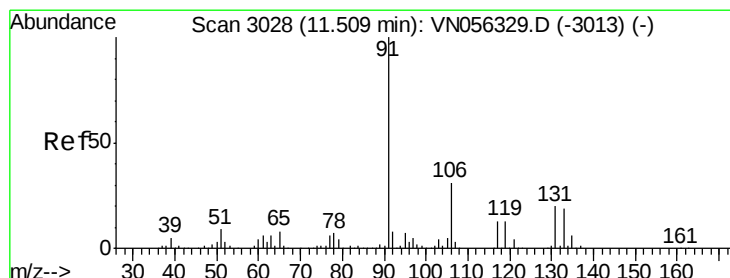
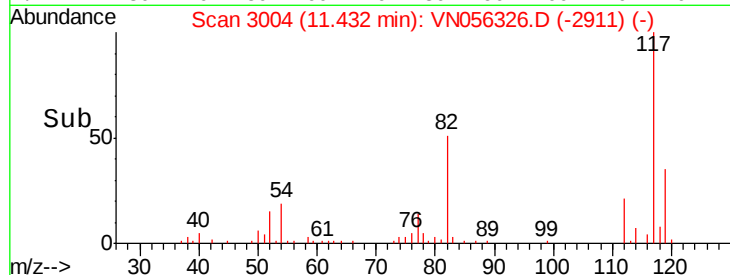
3000

2000

1000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.851 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

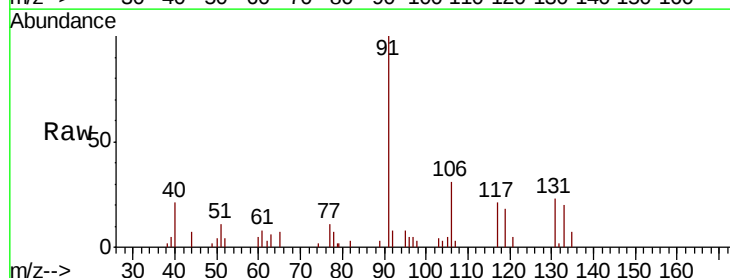
Tgt Ion:131 Resp: 3360

Ion Ratio Lower Upper

131 100

133 91.1 47.9 143.7

119 0.0 33.5 100.5#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

4000

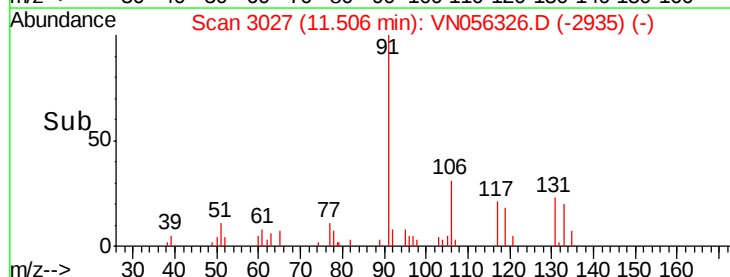
3000

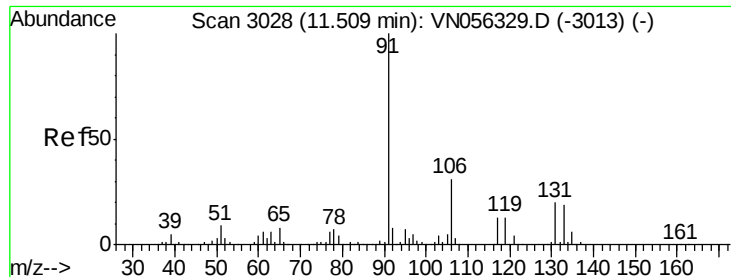
2000

1000

0

Time-->

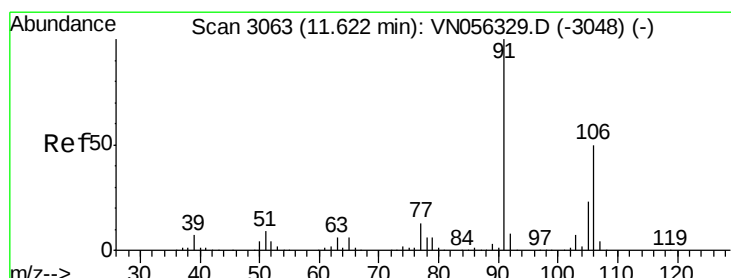
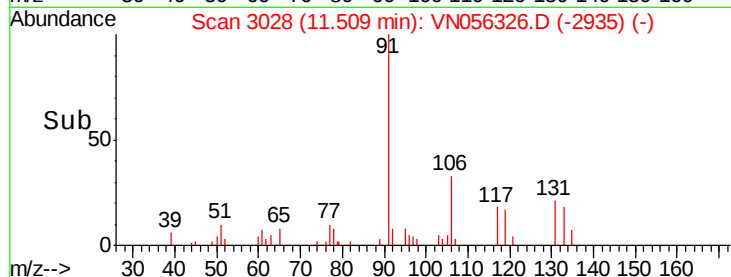
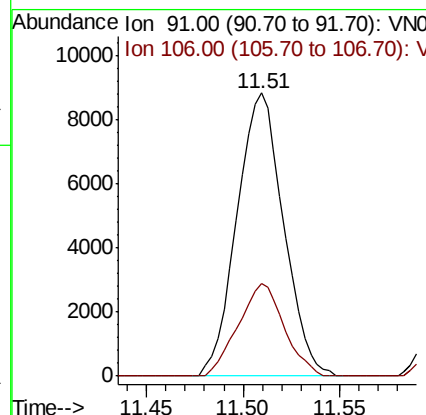
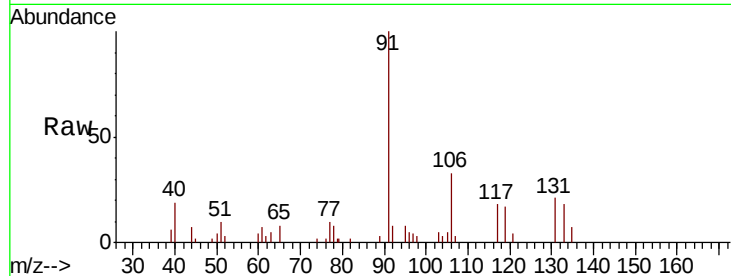




#67
Ethyl Benzene
Concen: 0.755 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

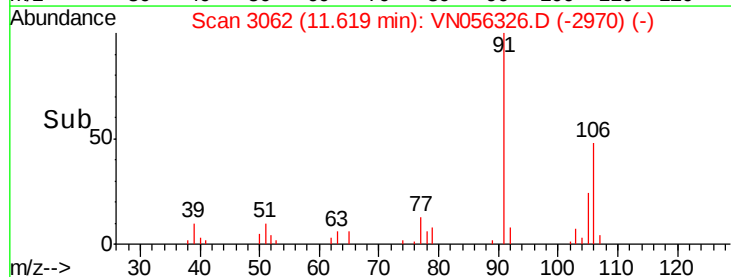
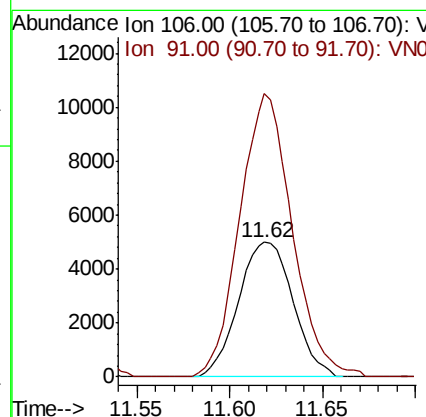
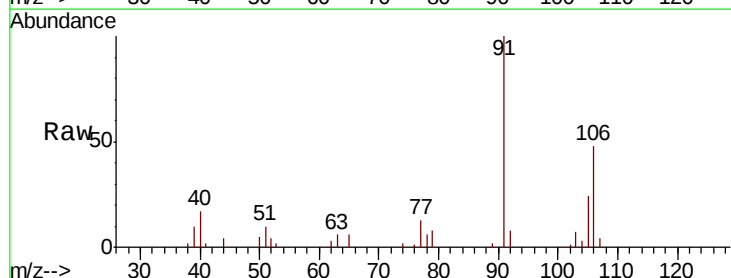
Instrument :
MSVOA_N
ClientSampled :

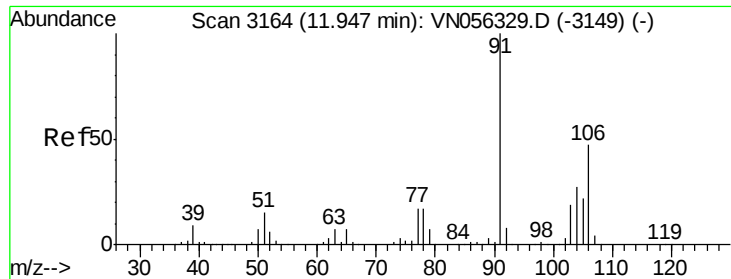
Tot Ion: 91 Resp: 14778
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6



#68
m/p-Xylenes
Concen: 1.371 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 106 Resp: 10221
Ion Ratio Lower Upper
106 100
91 202.7 160.7 241.1

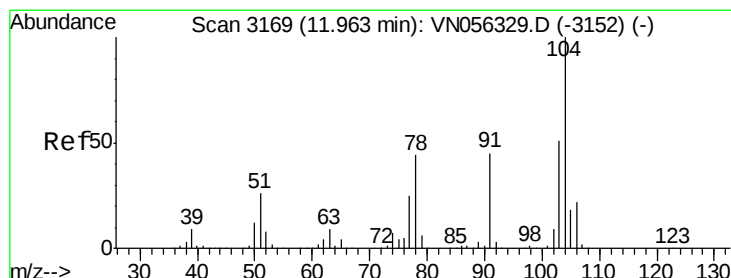
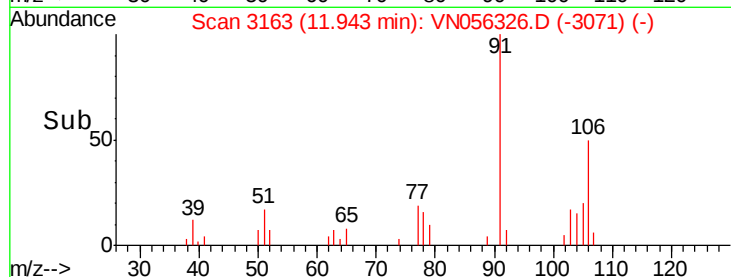
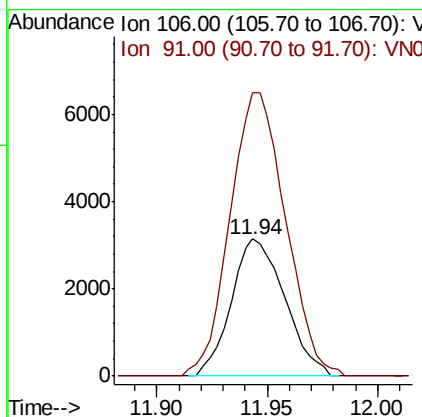
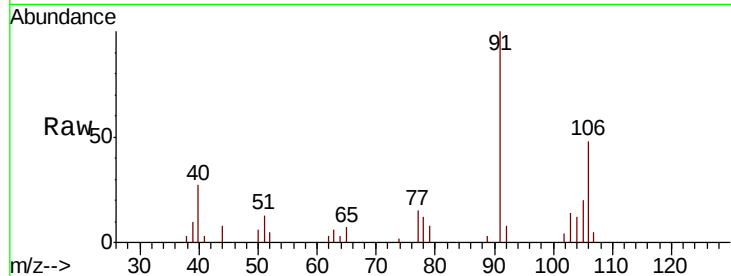




#69
o-Xylene
Concen: 0.723 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

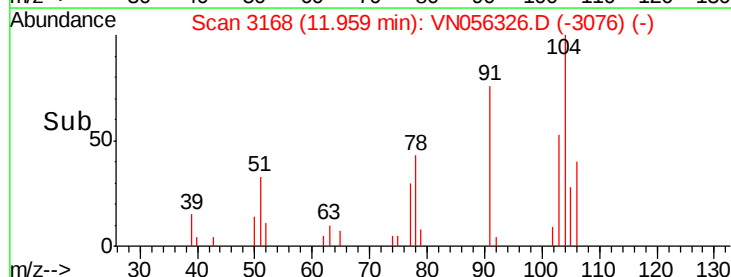
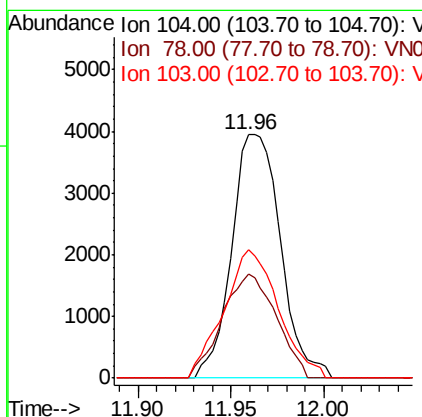
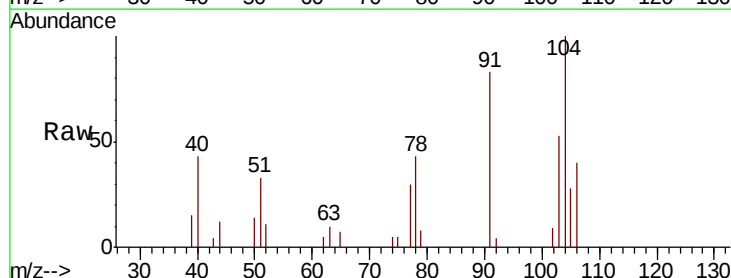
Instrument :
MSVOA_N
ClientSampled :

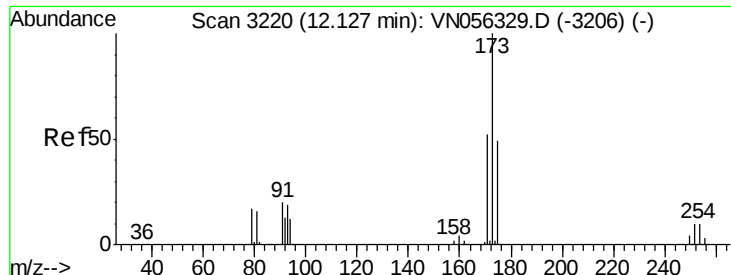
Tot Ion:106 Resp: 5288
Ion Ratio Lower Upper
106 100
91 214.7 105.6 316.7



#70
Styrene
Concen: 0.610 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion:104 Resp: 7249
Ion Ratio Lower Upper
104 100
78 47.2 38.4 57.6
103 58.9 44.0 66.0

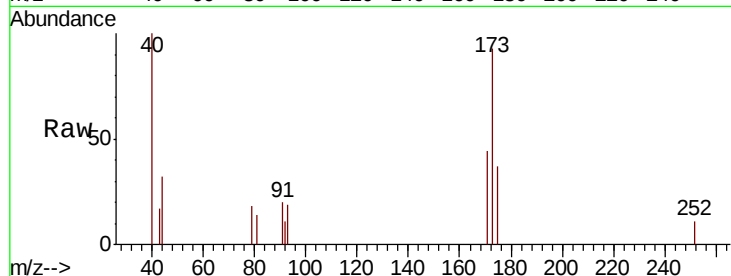




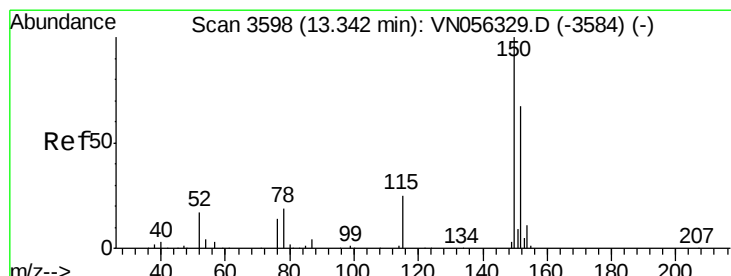
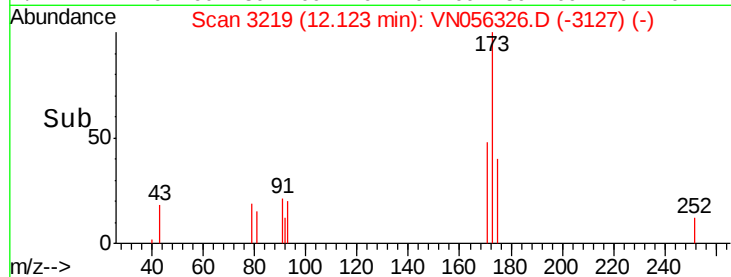
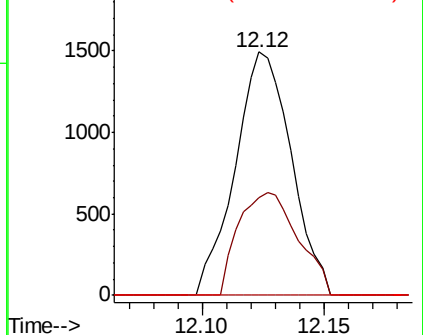
#71
Bromoform
Concen: 0.778 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 2378
Ion Ratio Lower Upper
173 100
175 44.8 24.3 73.0
254 0.0 0.0 0.0

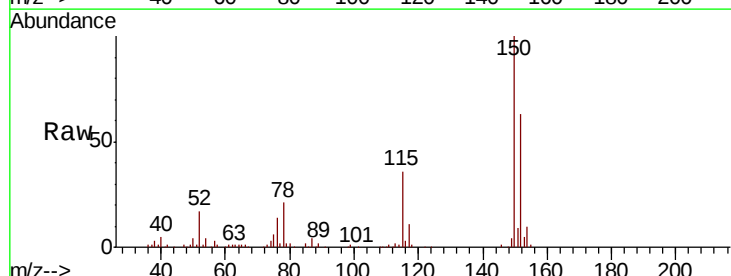


Abundance Ion 172.70 (172.40 to 173.40): V
2000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

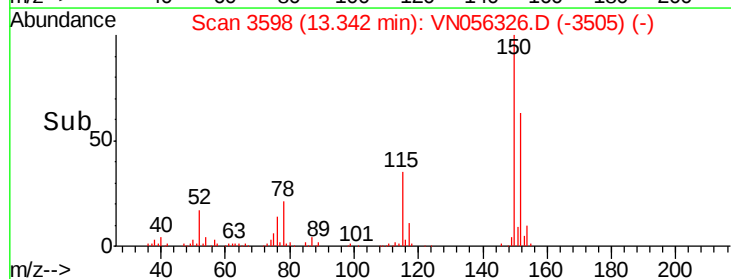
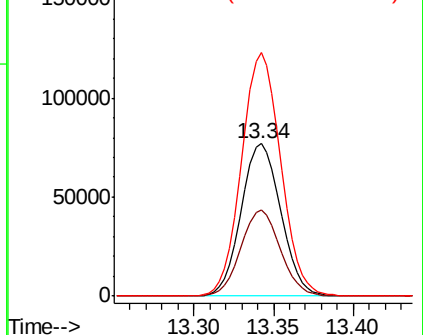


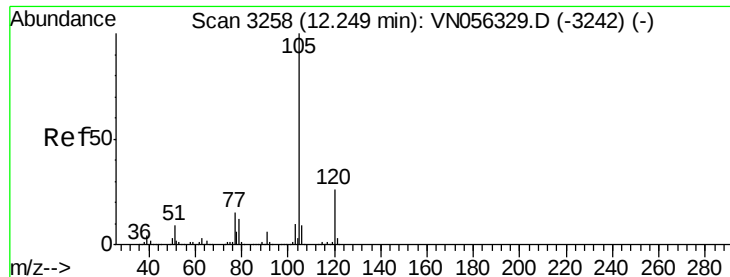
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion:152 Resp: 130269
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 158.1 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.952 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

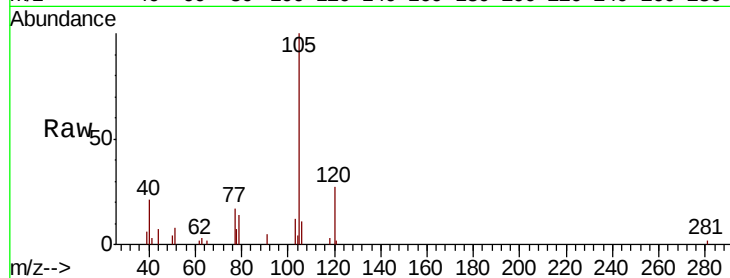
ClientSampleId :

Tot Ion: 105 Resp: 12588

Ion Ratio Lower Upper

105 100

120 29.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

8000

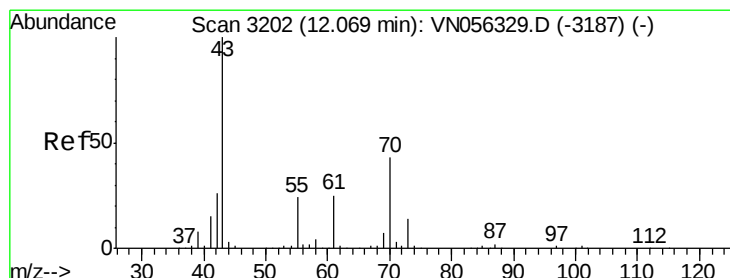
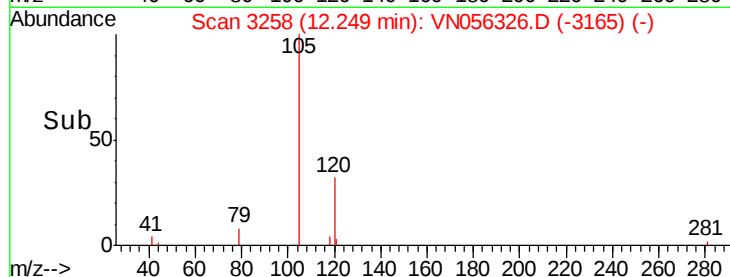
6000

4000

2000

0

Time--> 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 1.051 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Tgt Ion: 43 Resp: 4809

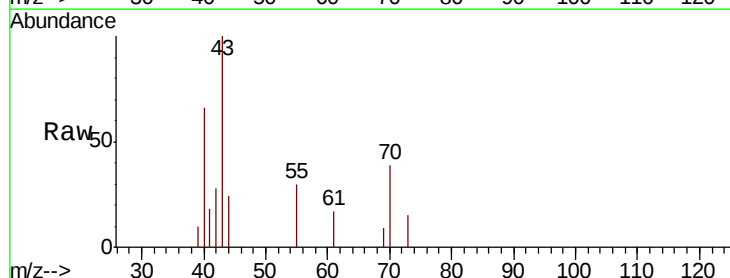
Ion Ratio Lower Upper

43 100

70 33.6 34.2 51.2#

55 23.0 19.9 29.9

61 17.3 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

4000

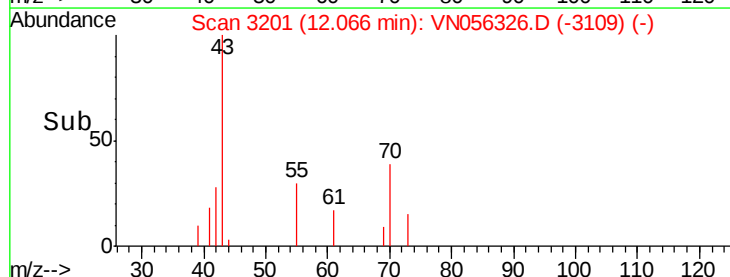
3000

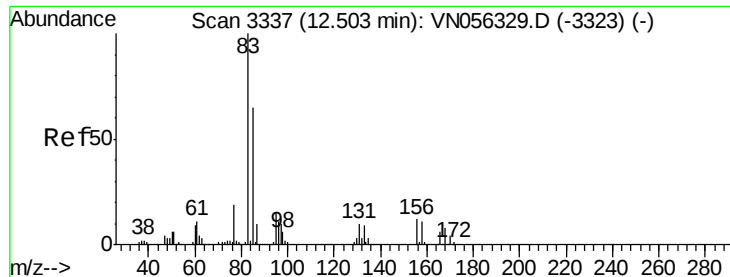
2000

1000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.190 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampled :

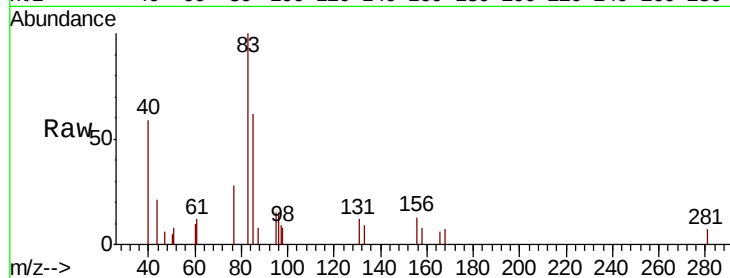
Tot Ion: 83 Resp: 4664

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

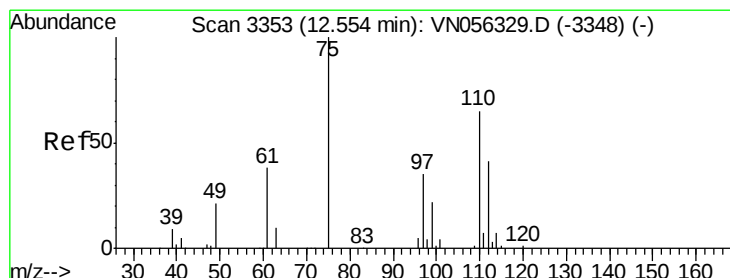
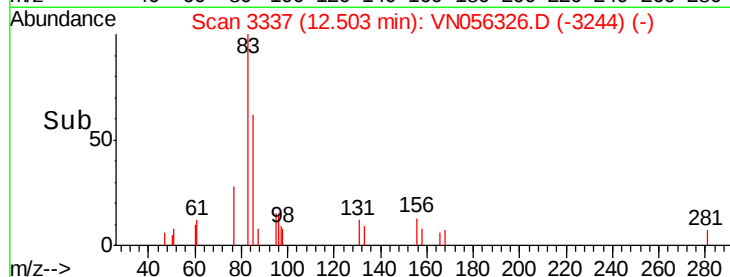
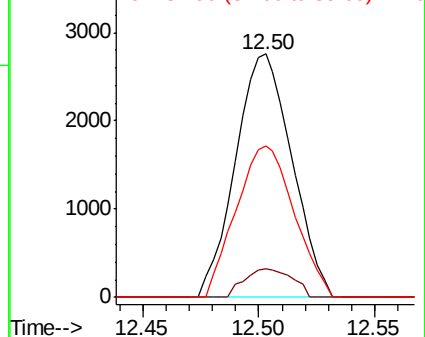
85 63.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.613 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056326.D

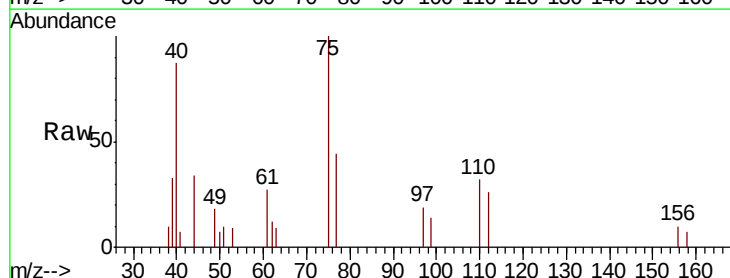
Acq: 17 Jun 2019 8:51

Tgt Ion: 75 Resp: 5070

Ion Ratio Lower Upper

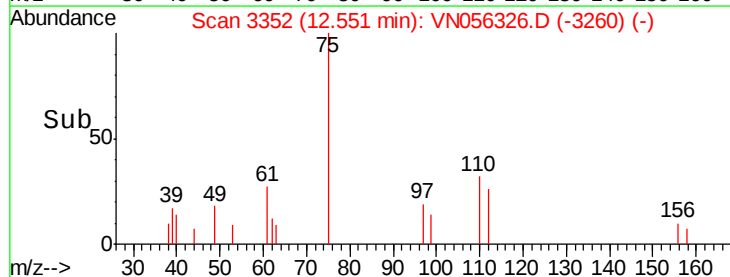
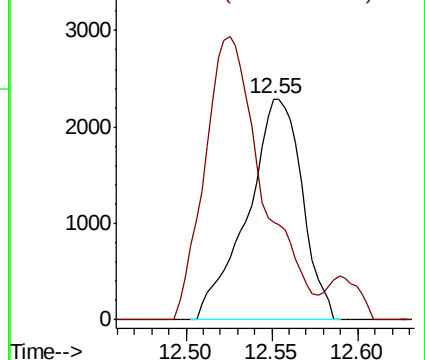
75 100

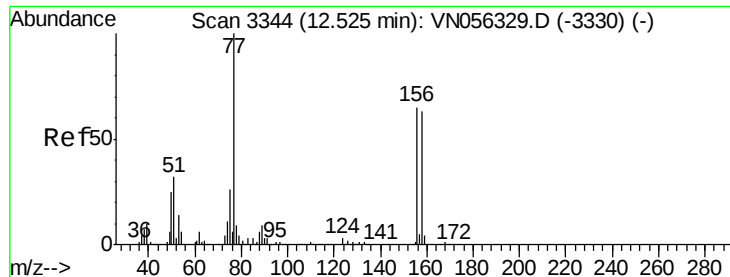
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.972 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

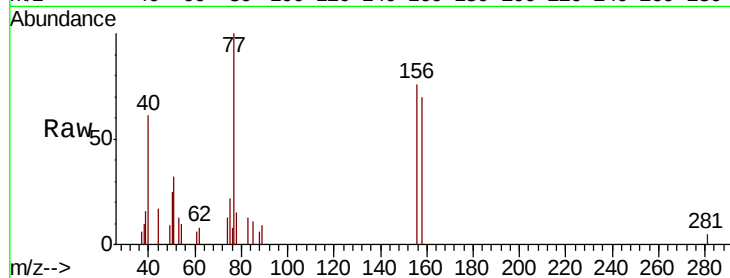
Tot Ion:156 Resp: 3393

Ion Ratio Lower Upper

156 100

77 204.0 92.9 278.7

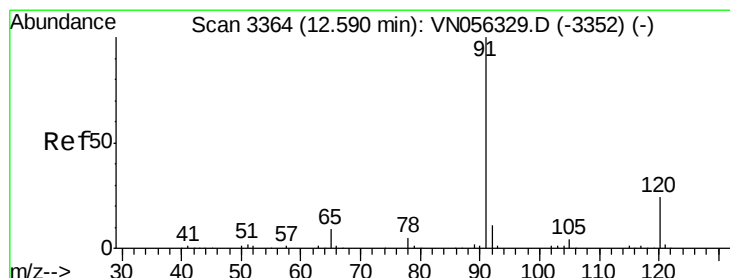
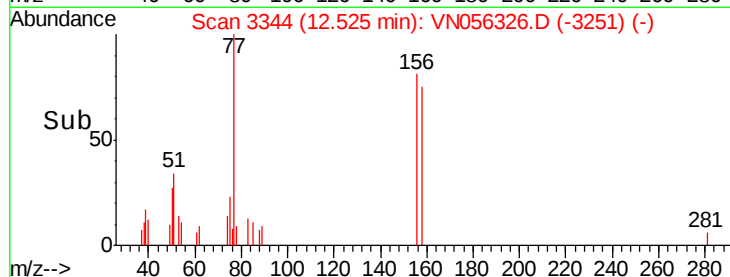
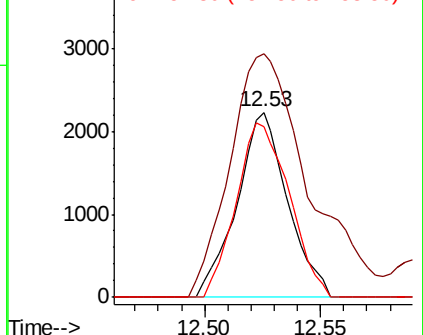
158 98.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.889 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056326.D

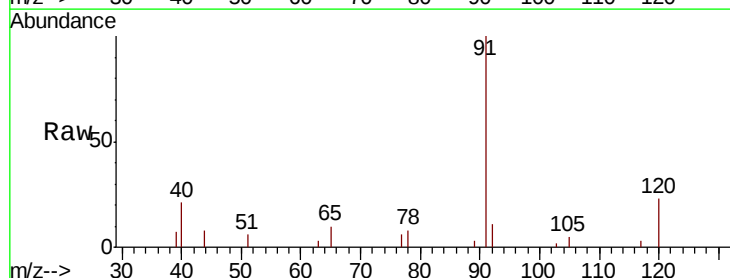
Acq: 17 Jun 2019 8:51

Tgt Ion: 91 Resp: 12552

Ion Ratio Lower Upper

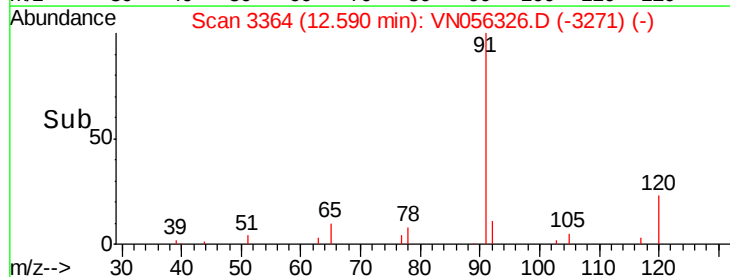
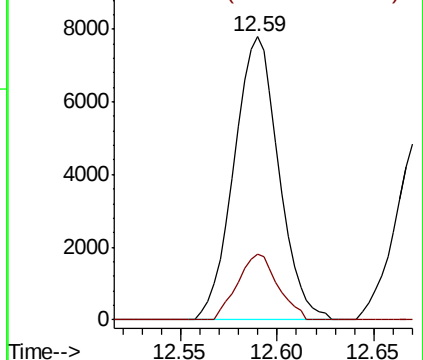
91 100

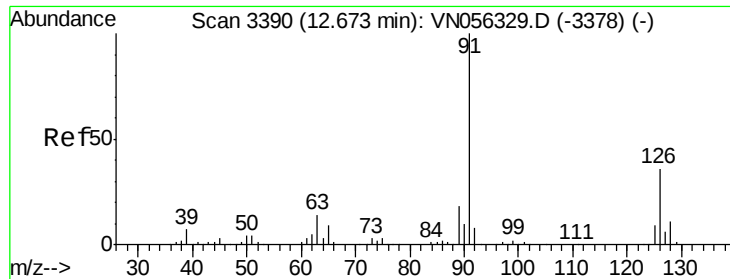
120 20.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.983 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

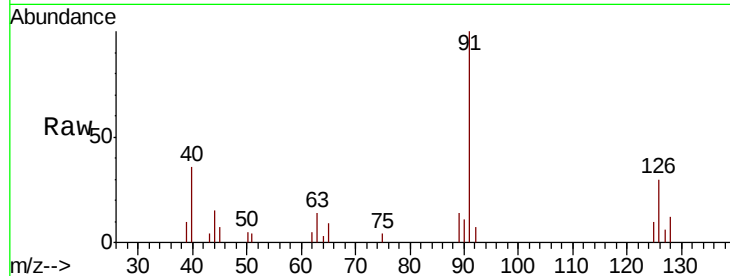
ClientSampled :

Tot Ion: 91 Resp: 8594

Ion Ratio Lower Upper

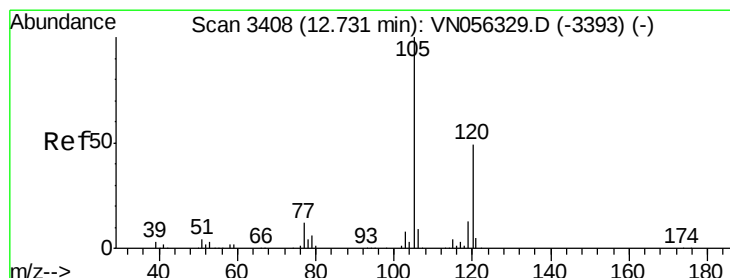
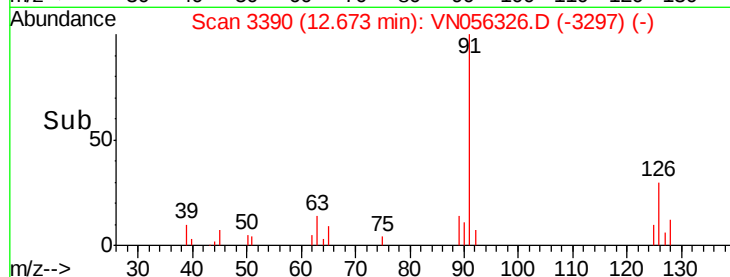
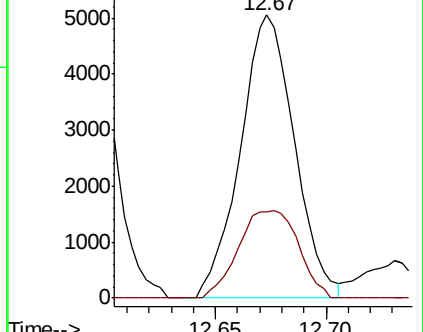
91 100

126 34.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056329.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.884 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056326.D

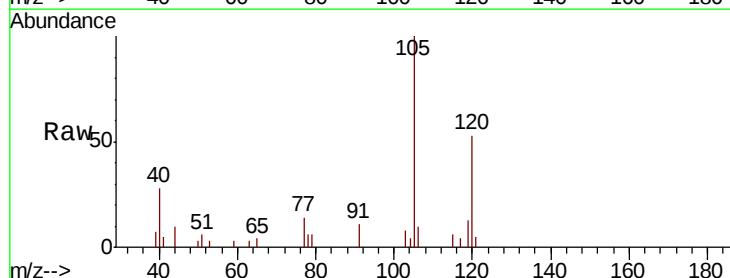
Acq: 17 Jun 2019 8:51

Tgt Ion: 105 Resp: 9732

Ion Ratio Lower Upper

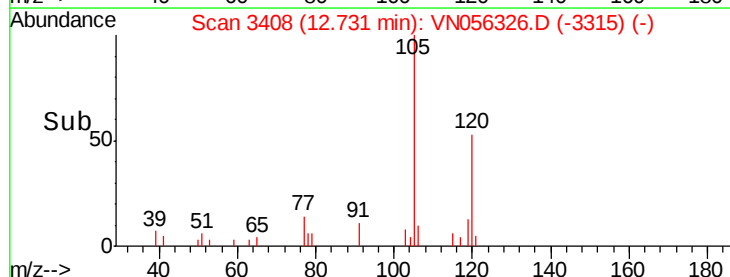
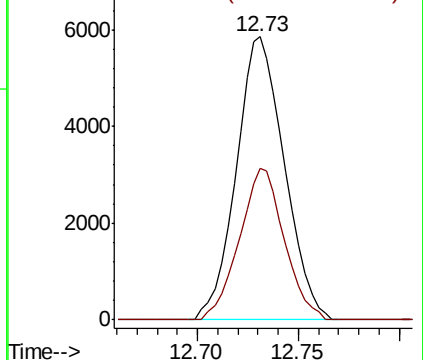
105 100

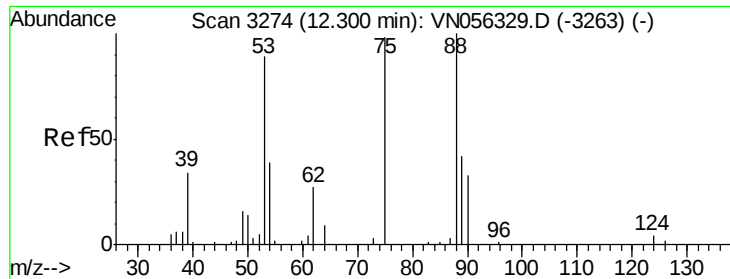
120 49.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VN056329.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056329.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.778 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

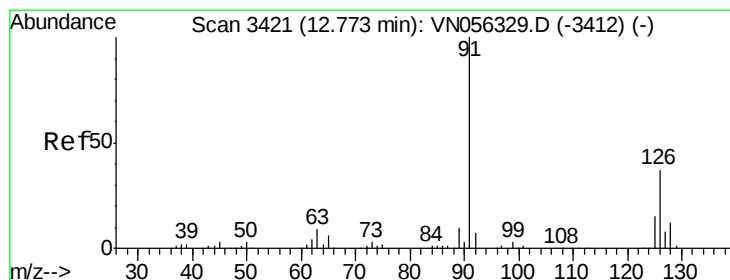
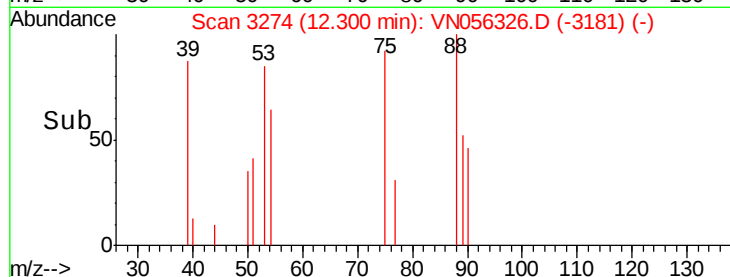
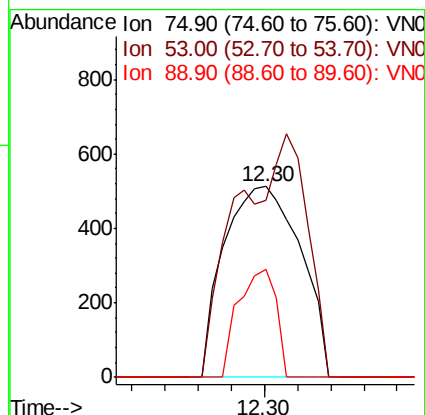
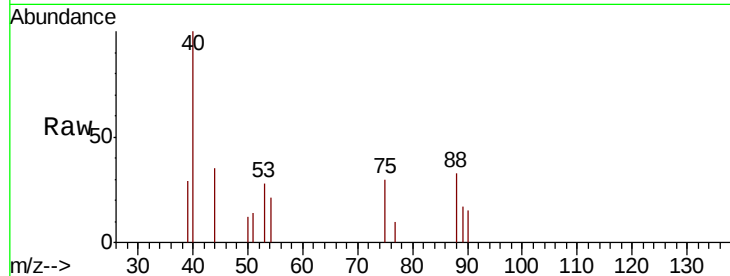
Tot Ion: 75 Resp: 823

Ion Ratio Lower Upper

75 100

53 116.2 73.5 110.3#

89 27.8 35.4 53.2#



#82

4-Chlorotoluene

Concen: 0.876 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056326.D

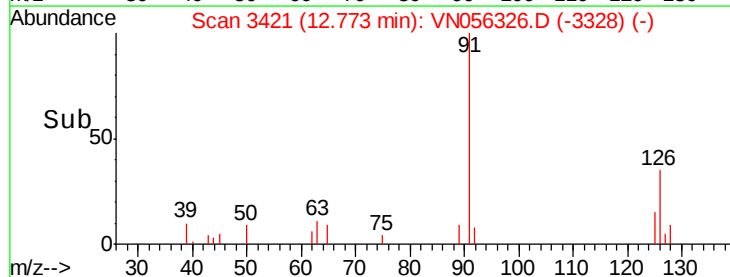
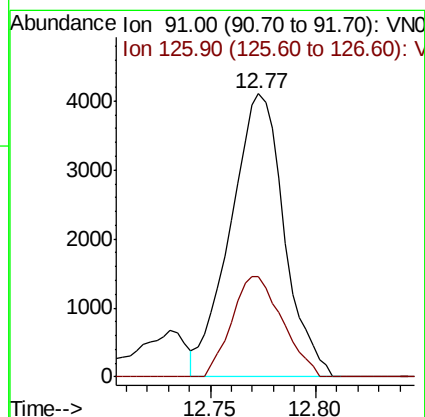
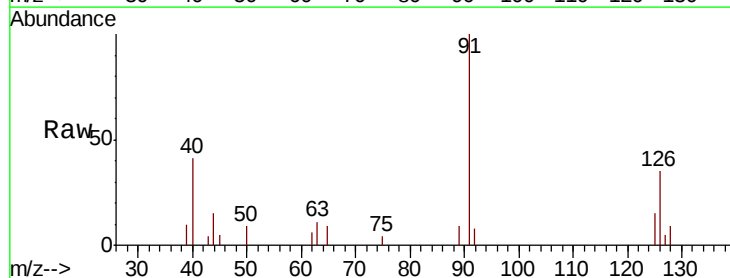
Acq: 17 Jun 2019 8:51

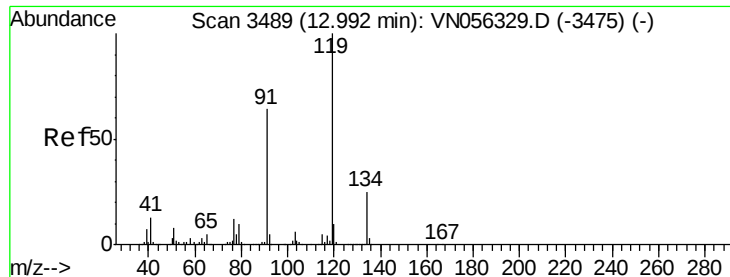
Tgt Ion: 91 Resp: 7257

Ion Ratio Lower Upper

91 100

126 33.4 17.6 52.8





#83

tert-Butylbenzene

Concen: 0.982 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

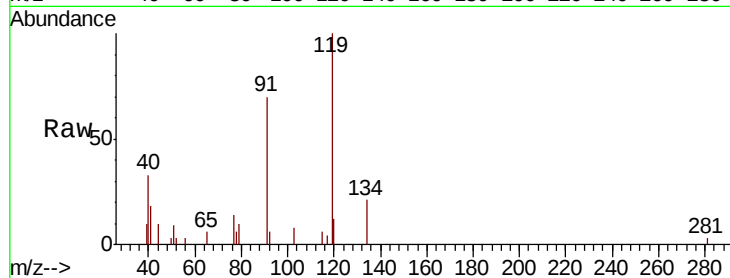
Tot Ion:119 Resp: 9471

Ion Ratio Lower Upper

119 100

91 66.3 31.5 94.5

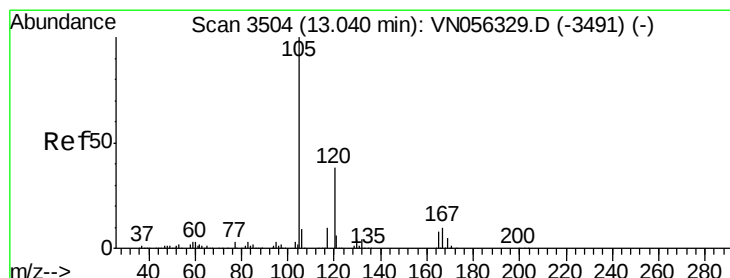
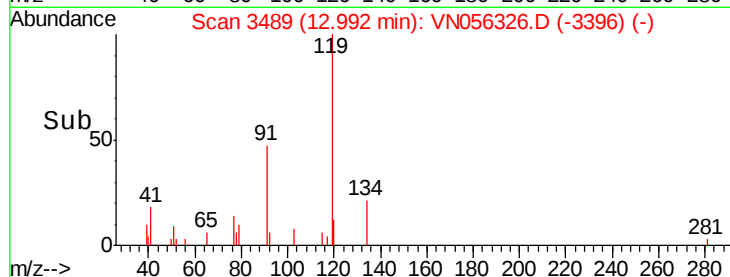
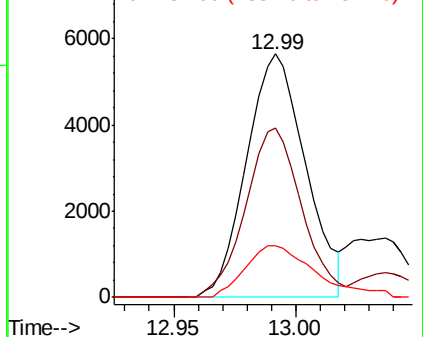
134 25.2 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.790 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056326.D

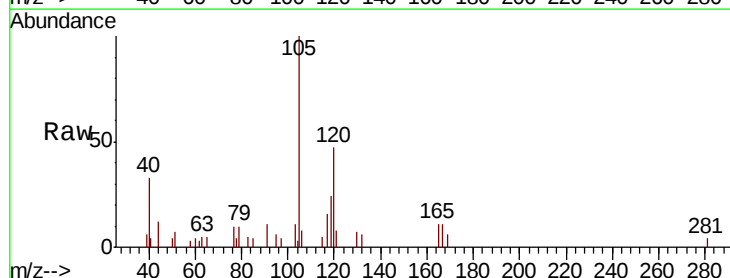
Acq: 17 Jun 2019 8:51

Tgt Ion:105 Resp: 8269

Ion Ratio Lower Upper

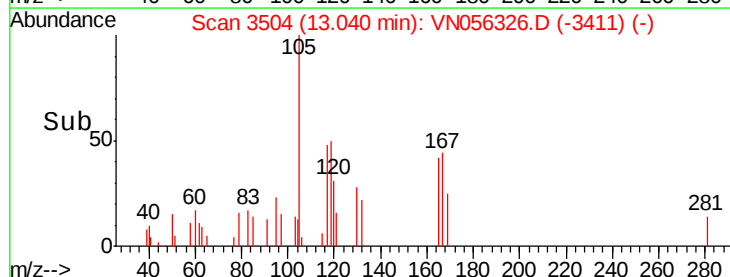
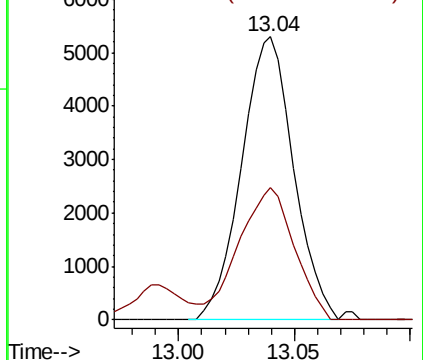
105 100

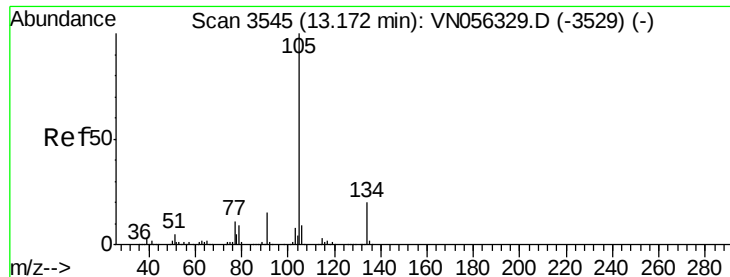
120 50.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.907 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

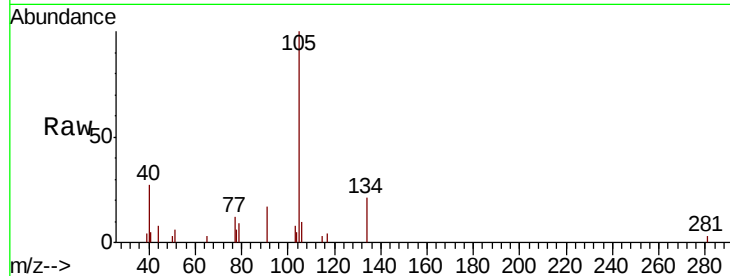
ClientSampleId :

Tot Ion:105 Resp: 11181

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

8000

6000

4000

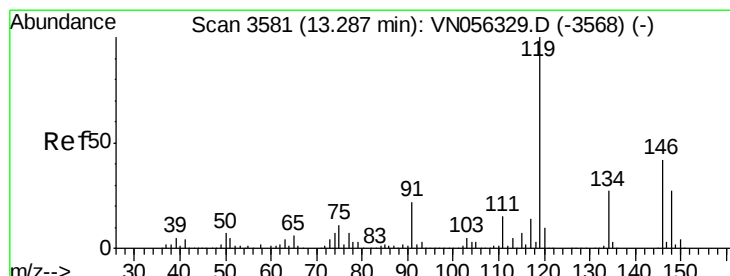
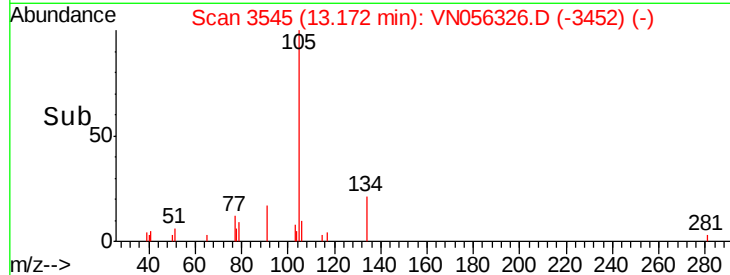
2000

0

13.15

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 0.795 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

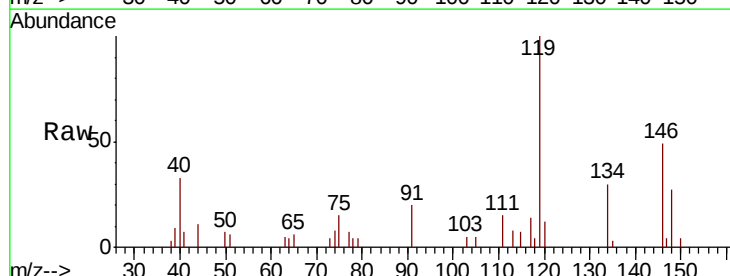
Tgt Ion:119 Resp: 8715

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

6000

4000

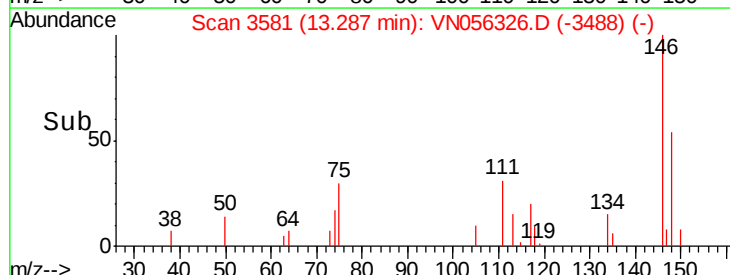
2000

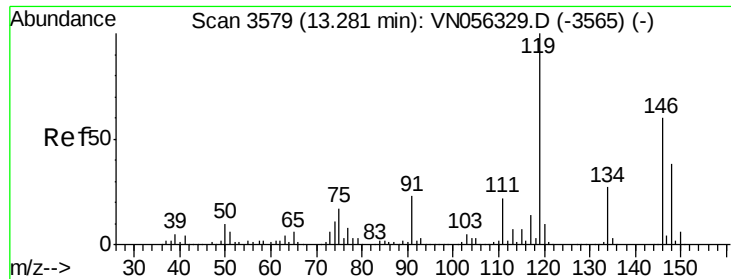
0

13.25

13.30

Time-->

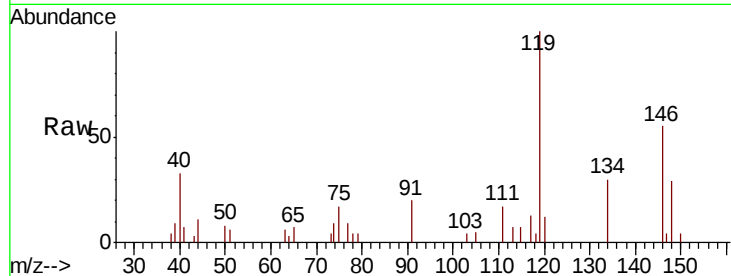




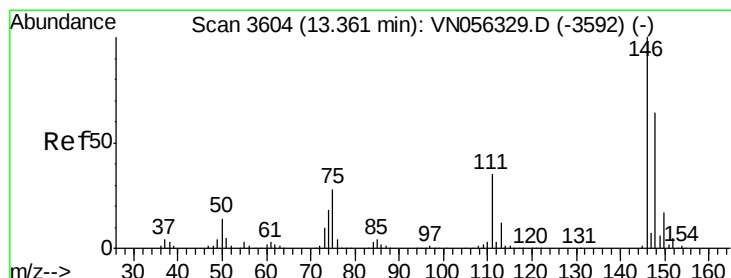
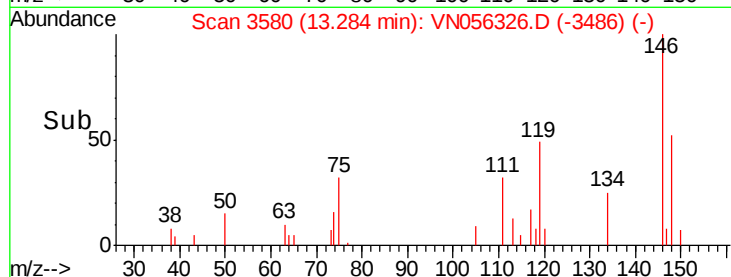
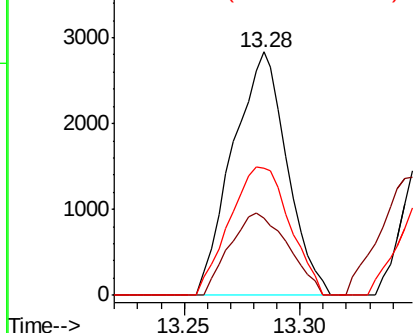
#87
 1,3-Dichlorobenzene
 Concen: 0.847 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 4614
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.9 56.7
 148 58.3 31.9 95.5

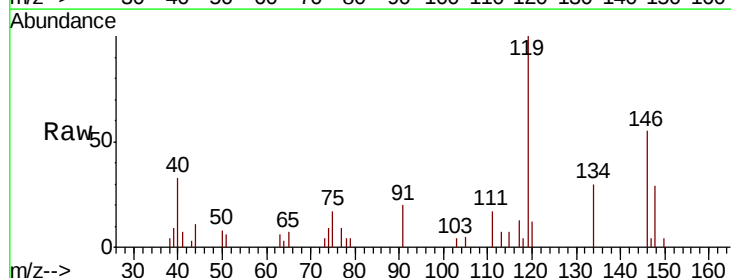


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

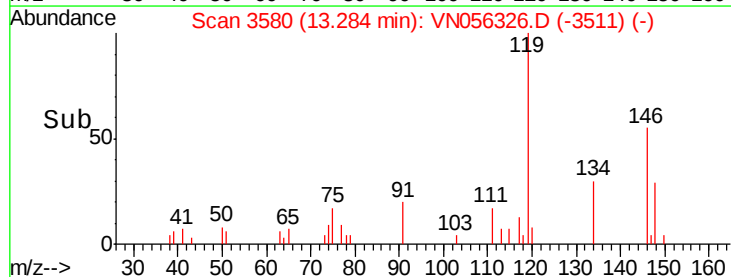
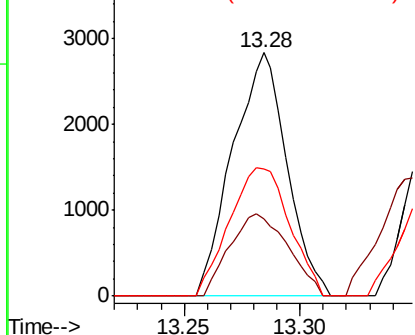


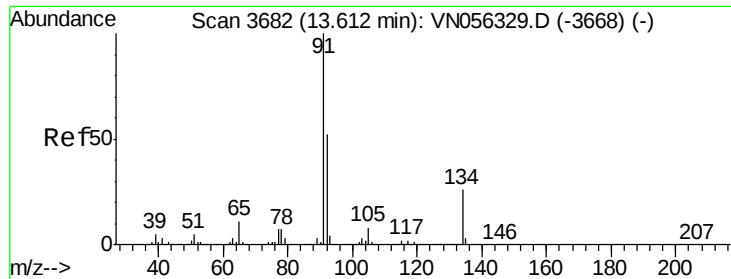
#88
 1,4-Dichlorobenzene
 Concen: 0.879 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion:146 Resp: 4614
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.1 54.1
 148 58.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.736 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

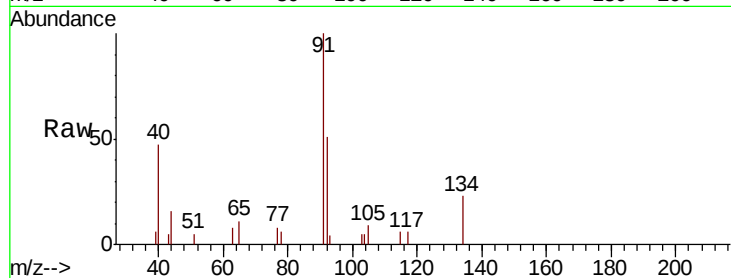
Tot Ion: 91 Resp: 6080

Ion Ratio Lower Upper

91 100

92 51.2 26.0 78.0

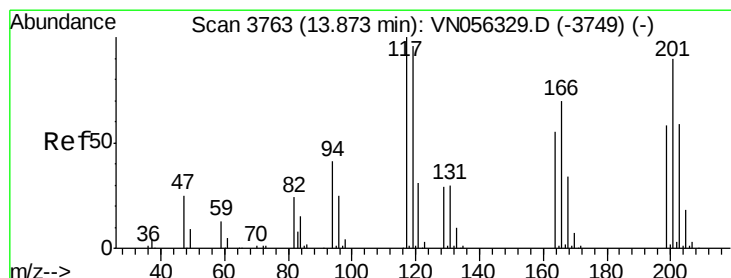
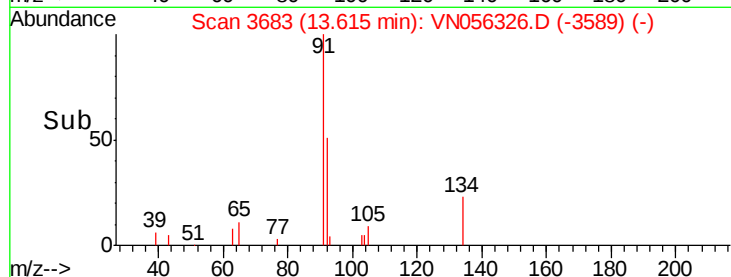
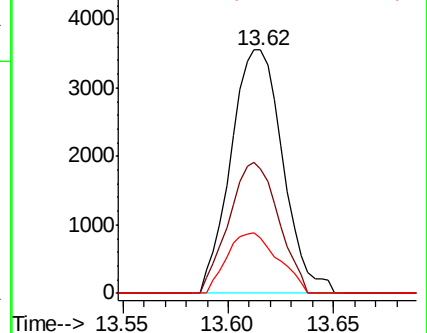
134 24.4 13.2 39.5



Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056329.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056329.D (-3668) (-)



#90

Hexachloroethane

Concen: 1.175 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056326.D

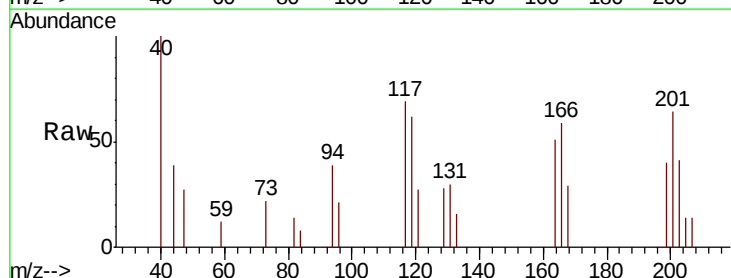
Acq: 17 Jun 2019 8:51

Tgt Ion: 117 Resp: 2104

Ion Ratio Lower Upper

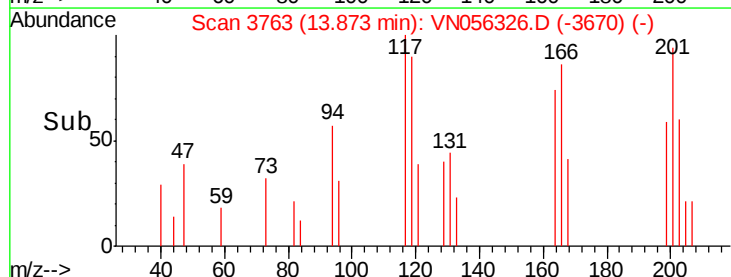
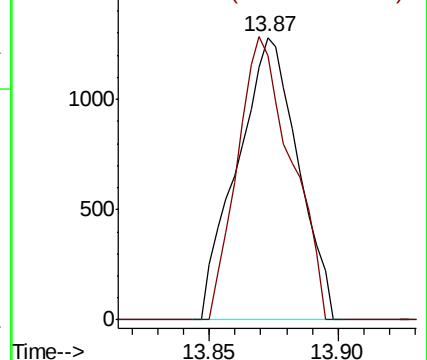
117 100

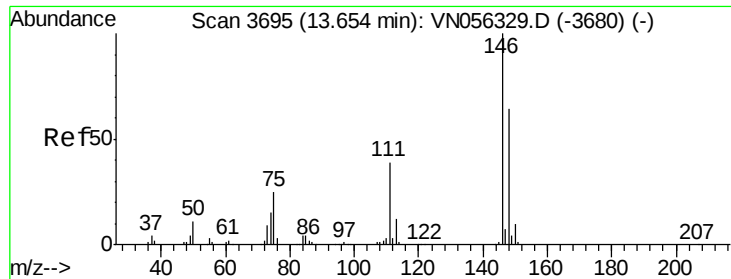
201 89.1 45.8 137.3



Abundance Ion 116.80 (116.50 to 117.50): VN056329.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056329.D (-3749) (-)

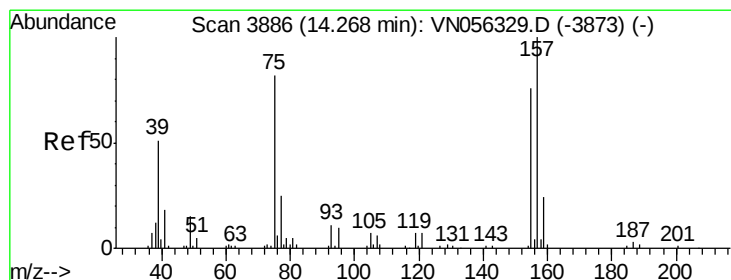
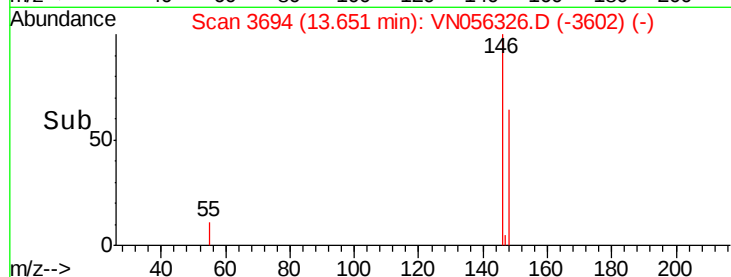
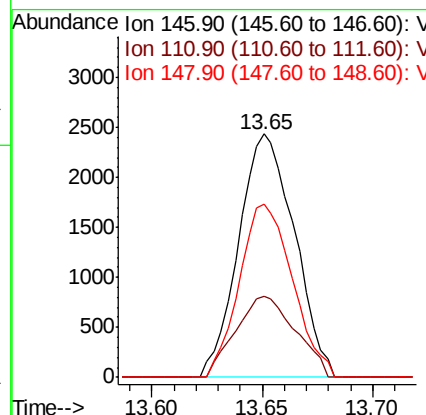
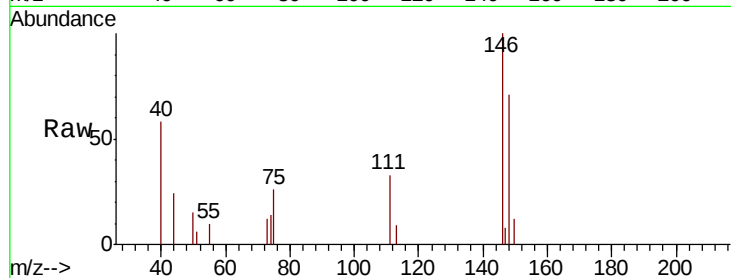




#91
 1,2-Dichlorobenzene
 Concen: 0.781 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

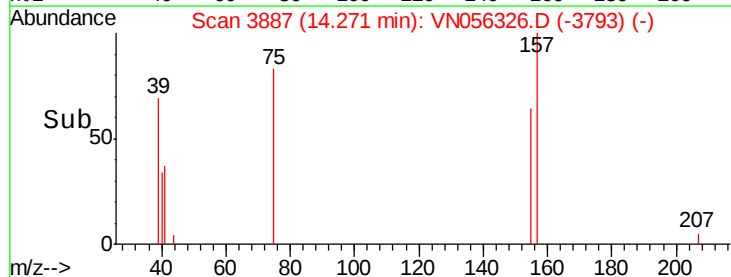
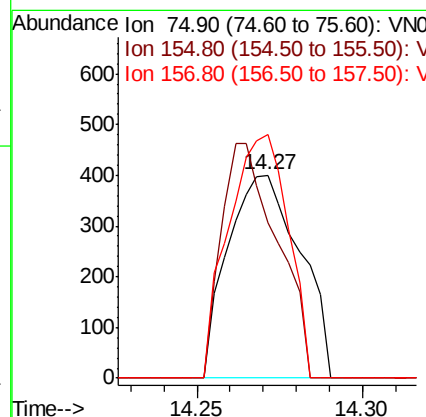
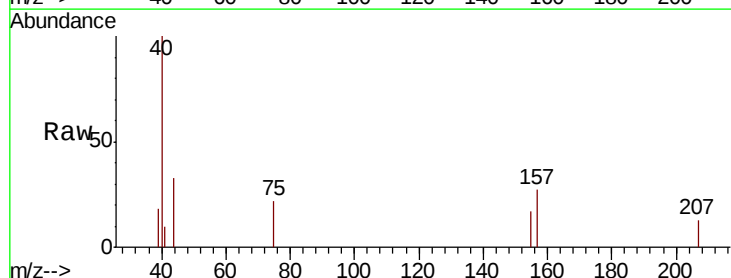
Instrument :
 MSVOA_N
 ClientSampleId :

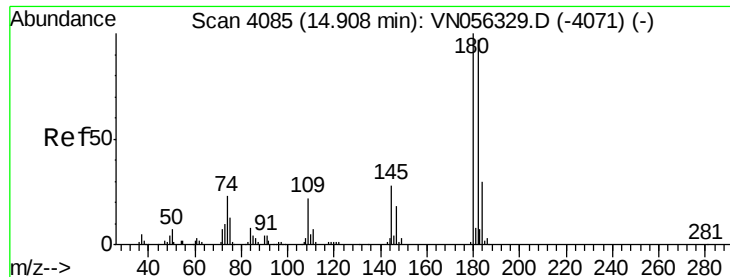
Tot Ion:146 Resp: 4254
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.4 58.2
 148 68.1 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.022 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 75 Resp: 607
 Ion Ratio Lower Upper
 75 100
 155 89.1 47.8 143.4
 157 98.7 62.8 188.5

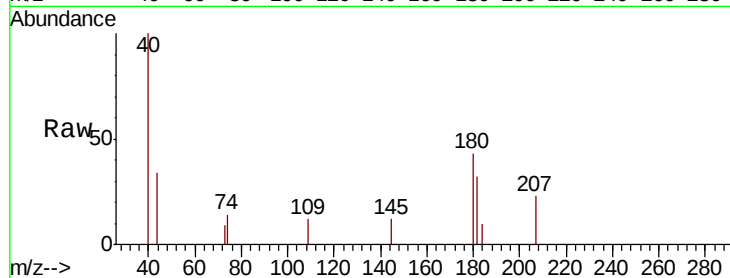




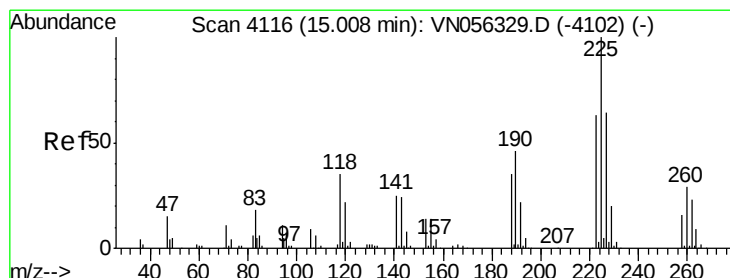
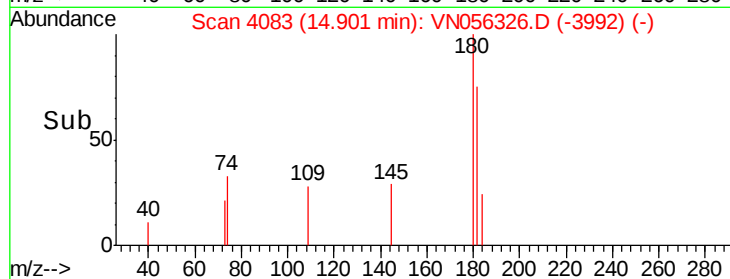
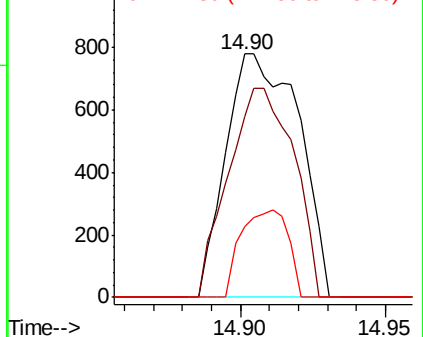
#93
 1,2,4-Trichlorobenzene
 Concen: 0.552 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1360
 Ion Ratio Lower Upper
 180 100
 182 77.1 47.4 142.3
 145 23.2 14.0 41.9

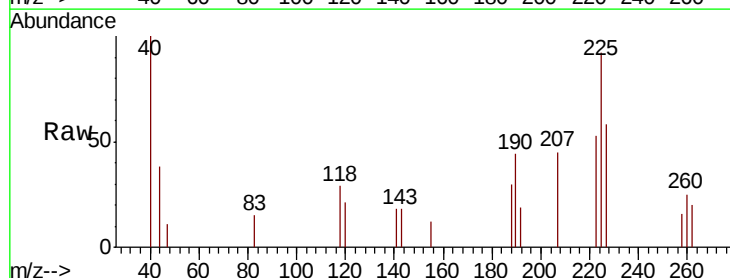


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

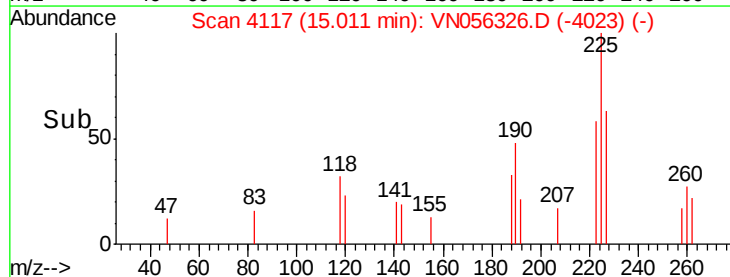
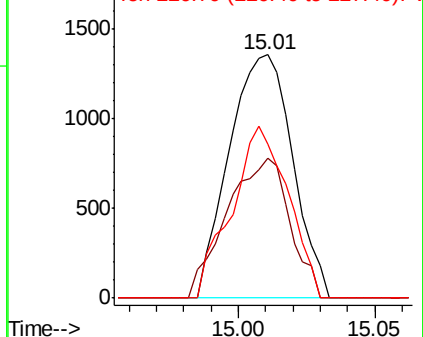


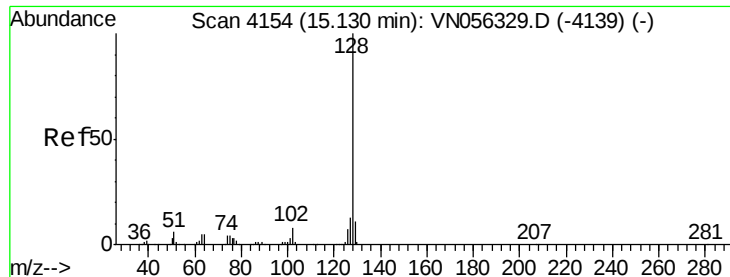
#94
 Hexachlorobutadiene
 Concen: 1.061 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion:225 Resp: 2188
 Ion Ratio Lower Upper
 225 100
 223 57.0 31.2 93.6
 227 62.8 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.579 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

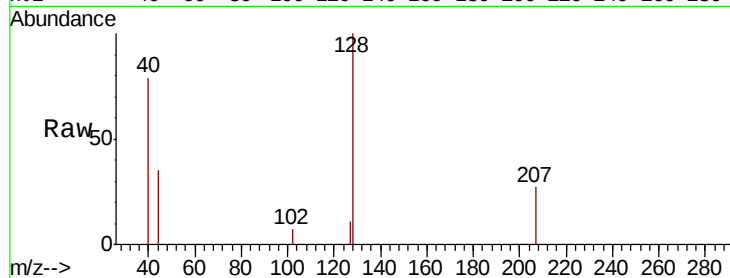
Tot Ion:128 Resp: 3761

Ion Ratio Lower Upper

128 100

127 6.8 10.6 15.8#

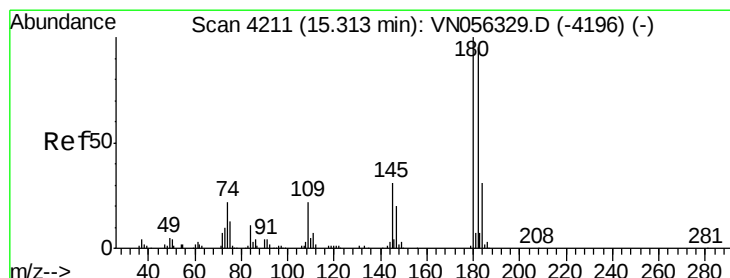
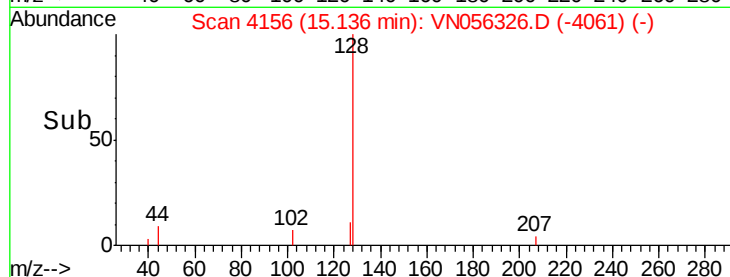
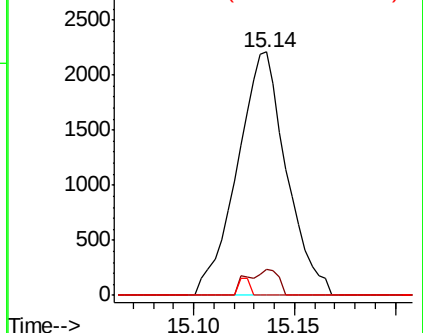
129 1.5 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.517 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

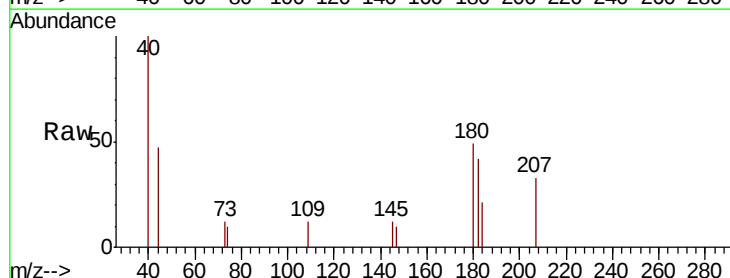
Tgt Ion:180 Resp: 1375

Ion Ratio Lower Upper

180 100

182 89.4 47.1 141.4

145 17.0 14.9 44.9



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

