

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 :
 VSTDIC001

Quant Time: Jun 18 04:22:51 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	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

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
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
12) 1,1-Dichloroethene	3.72	96	3289	0.871	ug/l	84
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	4.34	43	7658m	1.629	ug/l	
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
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
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

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 ClientSampleId :
 VSTDIC001

Quant Time: Jun 18 04:22:51 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)
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	3044m	0.968	ug/l	
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
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	13.36	146	4388m	0.836	ug/l	
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
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

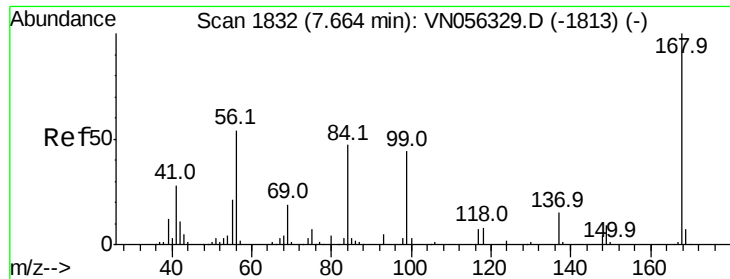
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056326.D
Acq On : 17 Jun 2019 8:51
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Instrument :
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ClientSampleId :
VSTDICC001

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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)

(#) = 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

ClientSampleId :

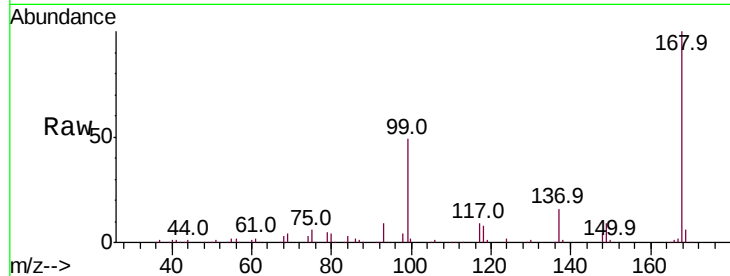
VSTDIC001

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): VN0

7.66

150000

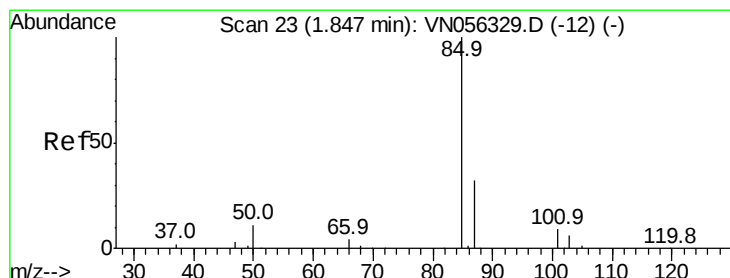
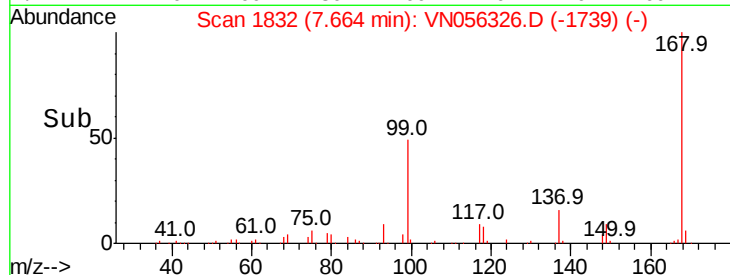
100000

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

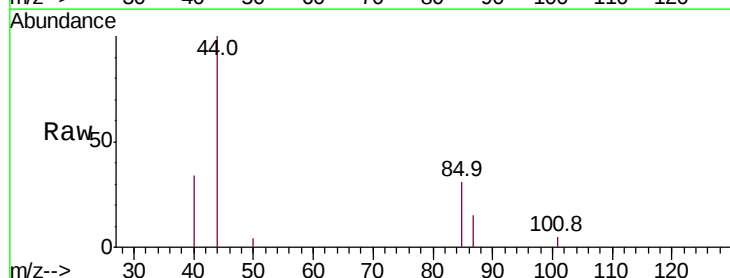
Acq: 17 Jun 2019 8:51

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): VNO

Ion 86.90 (86.60 to 87.60): VN0

1.85

1500

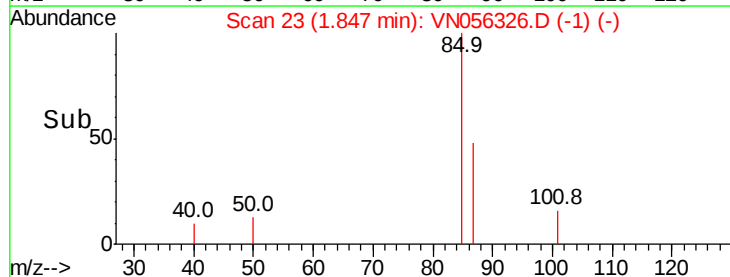
1000

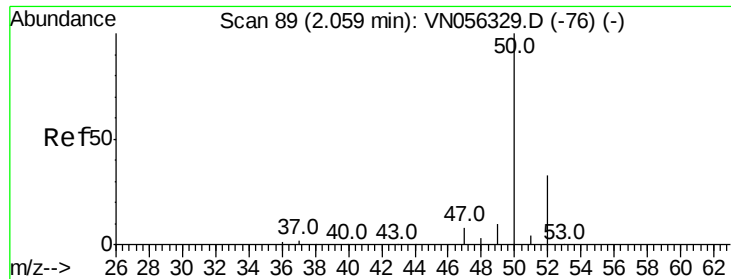
500

0

Time-->

1.80 1.85 1.90

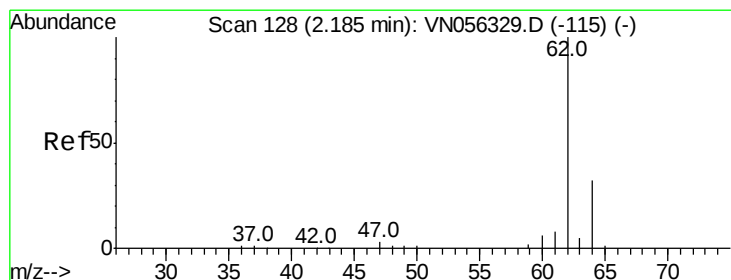
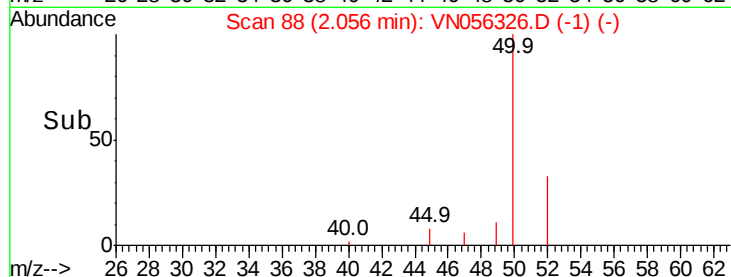
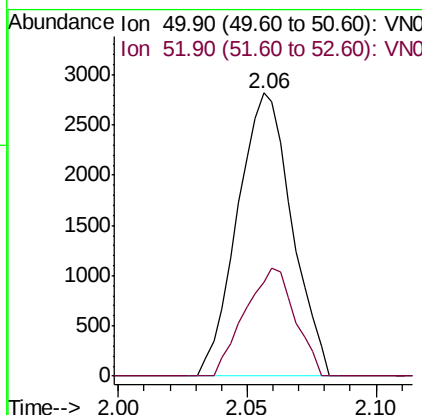
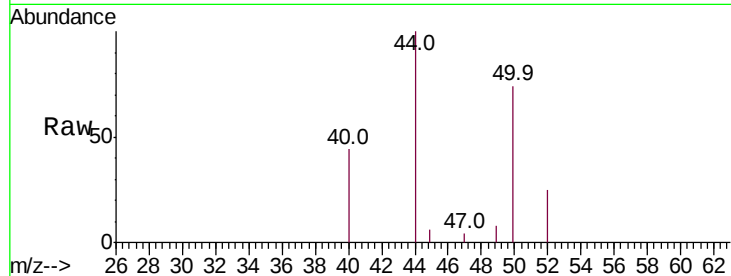




#3
Chloromethane
Concen: 0.859 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

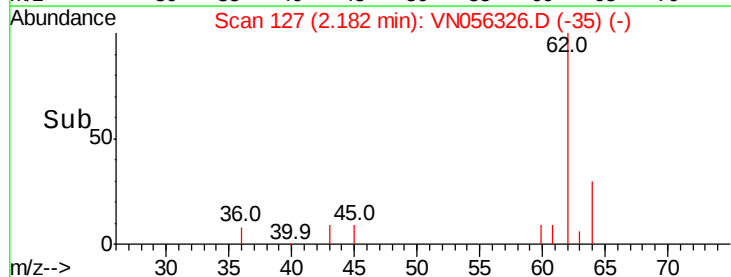
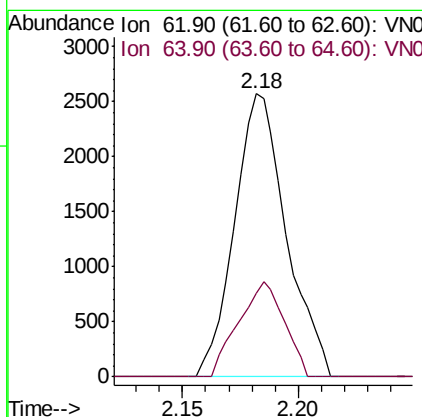
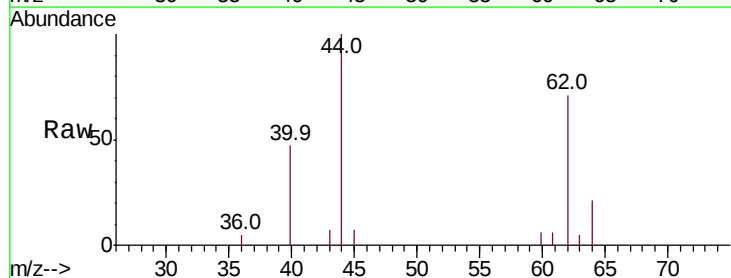
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

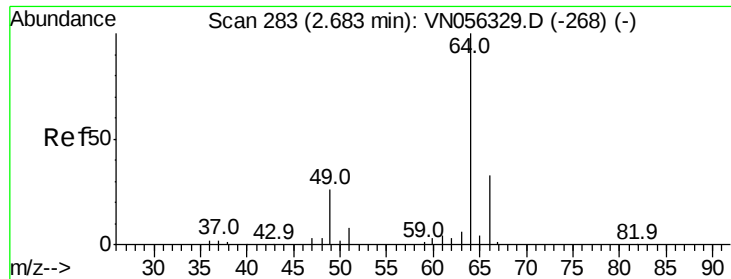
Tot Ion: 50 Resp: 4146
Ion Ratio Lower Upper
50 100
52 33.3 26.3 39.5



#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





#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

Instrument :

MSVOA_N

ClientSampleId :

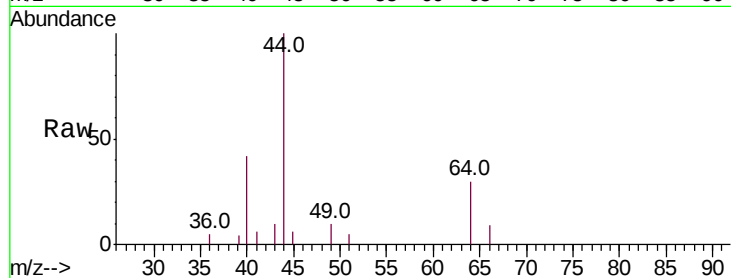
VSTDIC001

Tot Ion: 64 Resp: 2339

Ion Ratio Lower Upper

64 100

66 29.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN056329.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN056329.D (-268) (-)

2.68

1200

1000

800

600

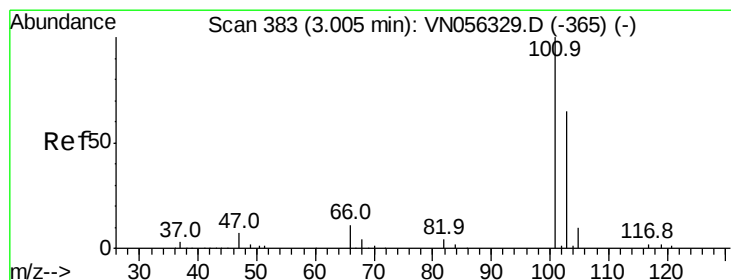
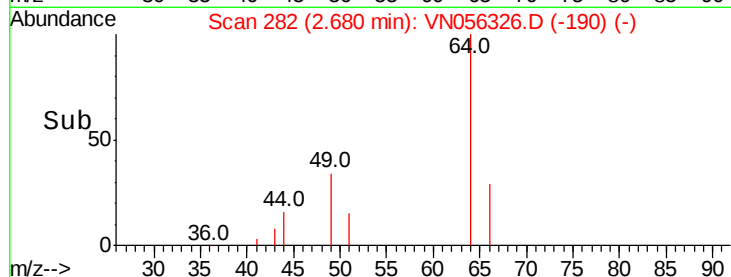
400

200

0

2.65 2.70

Time-->



#7

Trichlorofluoromethane

Concen: 0.827 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.00 min

Lab File: VN056326.D

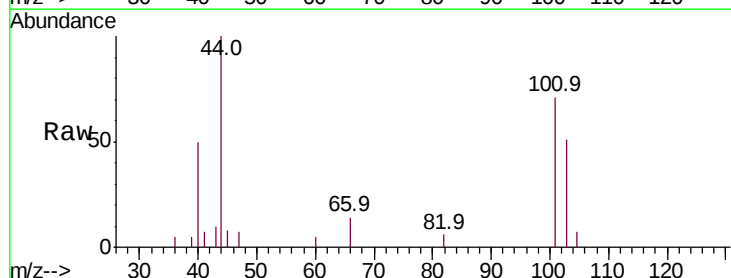
Acq: 17 Jun 2019 8:51

Tgt Ion: 101 Resp: 5091

Ion Ratio Lower Upper

101 100

103 71.1 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): VN056329.D (-365) (-)

Ion 102.80 (102.50 to 103.50): VN056329.D (-365) (-)

3.00

2500

2000

1500

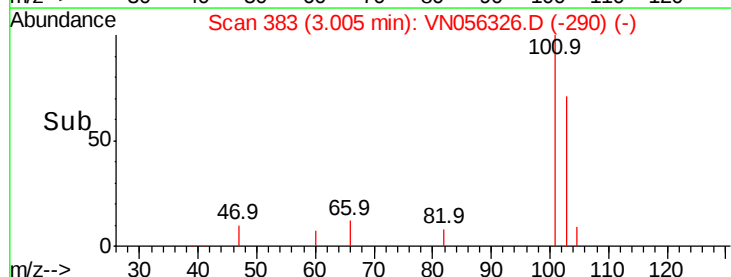
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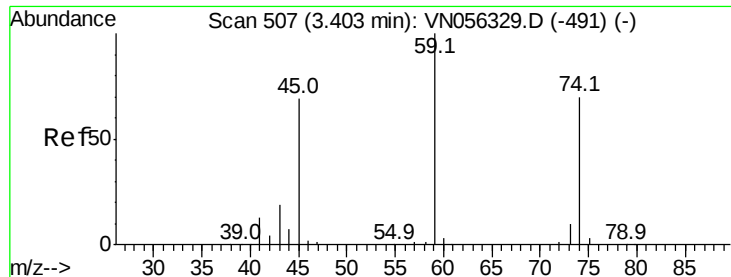
500

0

2.95 3.00 3.05

Time-->





#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

Instrument :

MSVOA_N

ClientSampled :

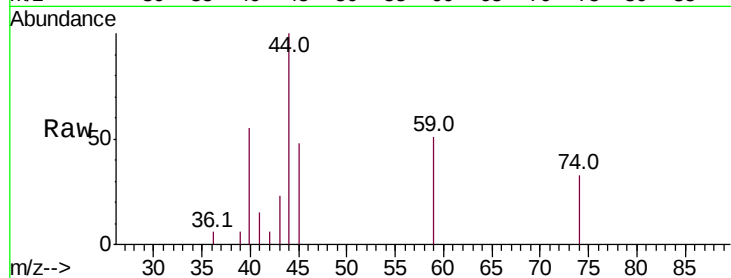
VSTDIC001

Tot Ion: 74 Resp: 2044

Ion Ratio Lower Upper

74 100

45 121.1 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VN056329.D (-491) (-)

Ion 45.00 (44.70 to 45.70): VN056329.D (-491) (-)

3.40

1500

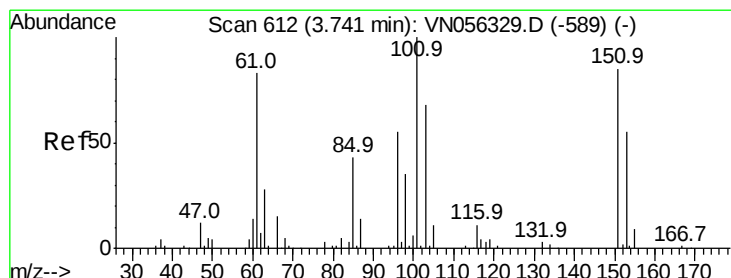
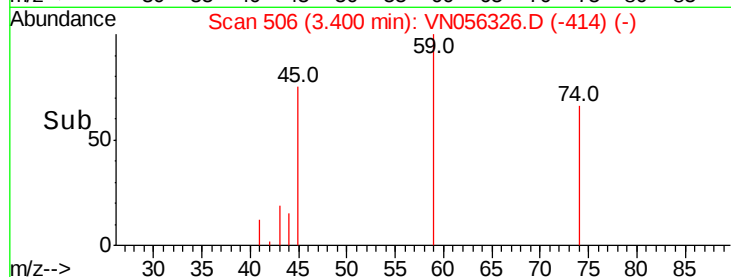
1000

500

0

3.35 3.40 3.45

Time-->



#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

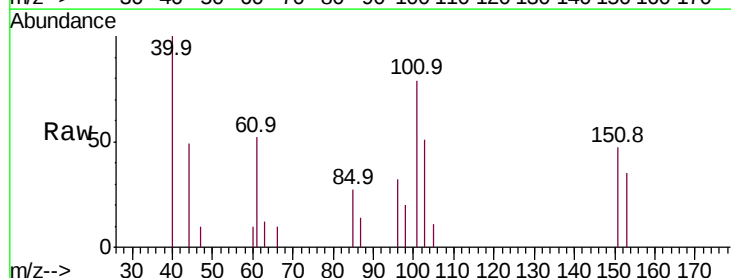
Tgt Ion: 101 Resp: 3695

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): VN056329.D (-589) (-)

Ion 84.90 (84.60 to 85.60): VN056329.D (-589) (-)

Ion 150.80 (150.50 to 151.50): VN056329.D (-589) (-)

3.74

1500

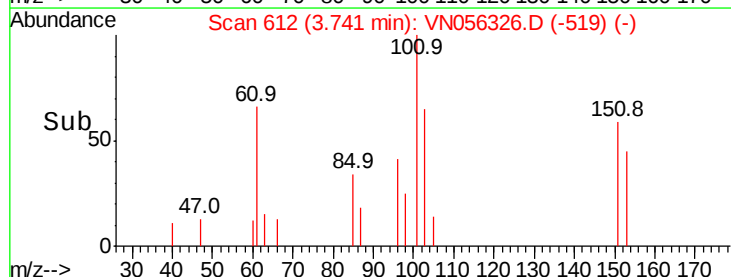
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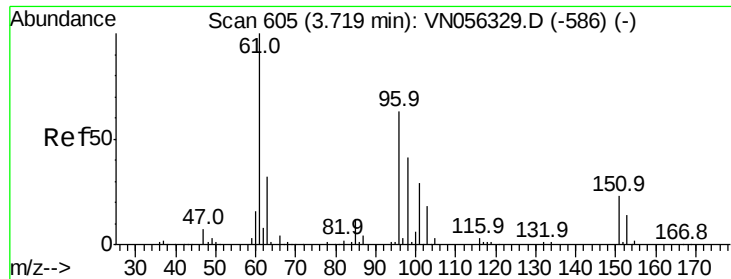
500

0

3.65 3.70 3.75 3.80

Time-->





#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

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

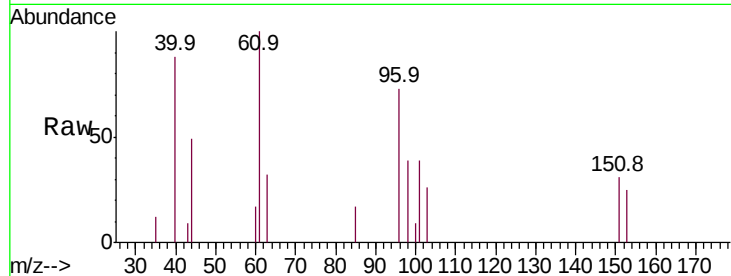
Tot Ion: 96 Resp: 3289

Ion Ratio Lower Upper

96 100

61 137.0 127.4 191.2

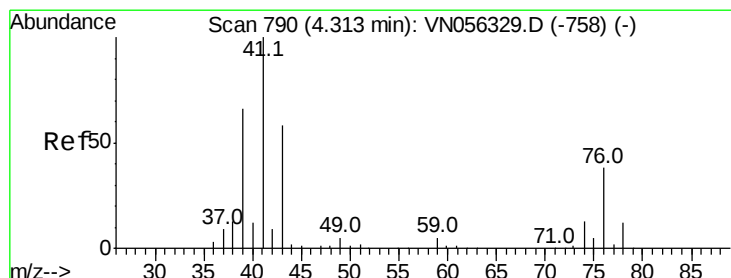
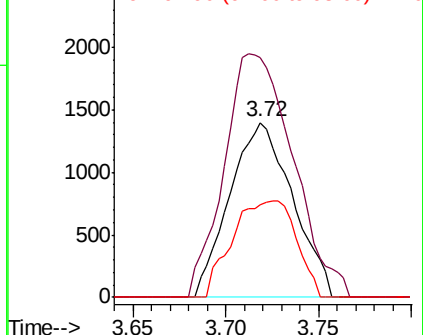
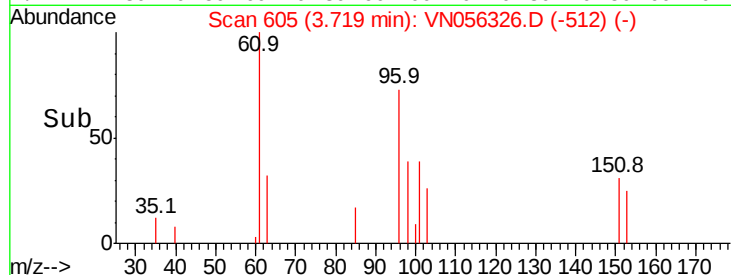
98 52.9 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VN056326.D (-512) (-)

Ion 60.90 (60.60 to 61.60): VN056326.D (-512) (-)

Ion 97.90 (97.60 to 98.60): VN056326.D (-512) (-)



#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

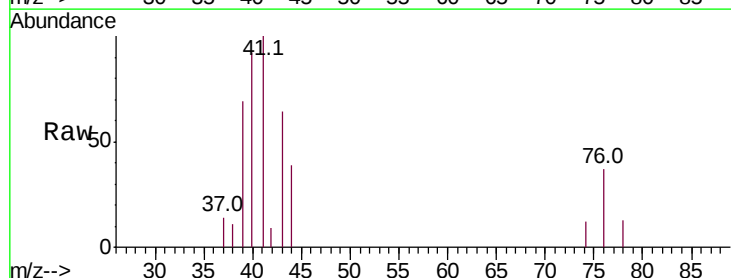
Tgt Ion: 41 Resp: 5325

Ion Ratio Lower Upper

41 100

39 67.5 48.9 73.3

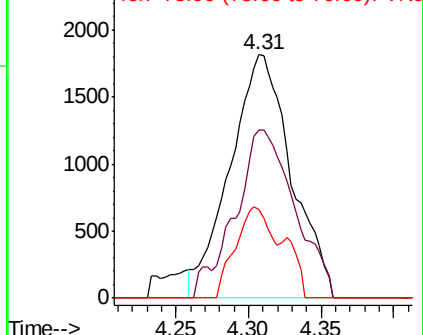
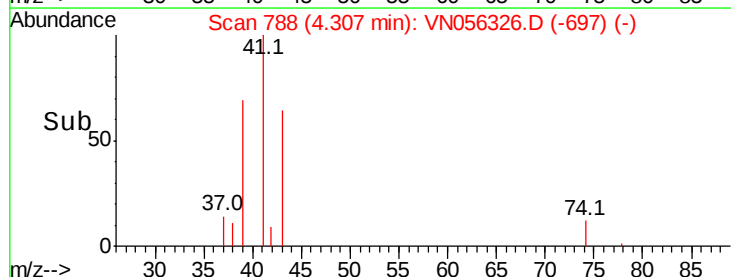
76 22.1 27.2 40.8#

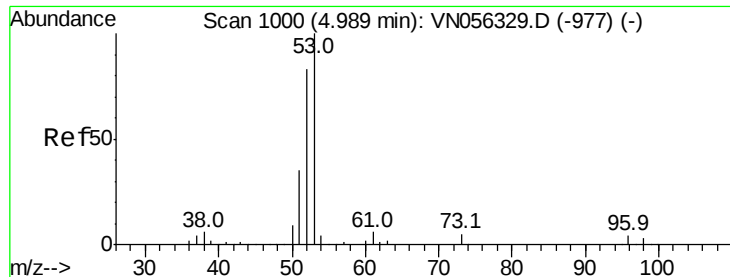


Abundance Ion 41.00 (40.70 to 41.70): VN056326.D (-697) (-)

Ion 39.00 (38.70 to 39.70): VN056326.D (-697) (-)

Ion 75.90 (75.60 to 76.60): VN056326.D (-697) (-)





#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 :

VSTDIC001

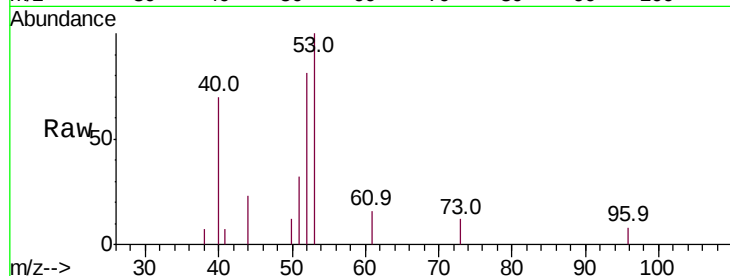
Tot Ion: 53 Resp: 8073

Ion Ratio Lower Upper

53 100

52 82.5 65.4 98.2

51 33.8 28.5 42.7



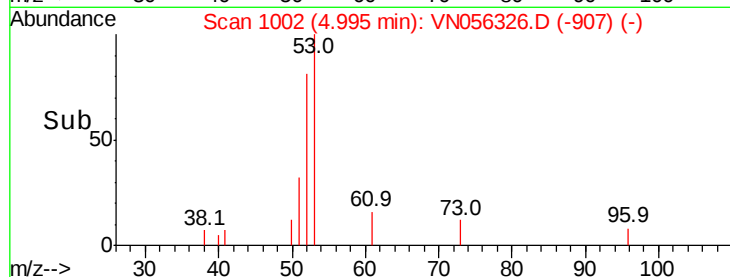
Abundance Ion 53.00 (52.70 to 53.70): VN056326.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN056326.D (-977) (-)

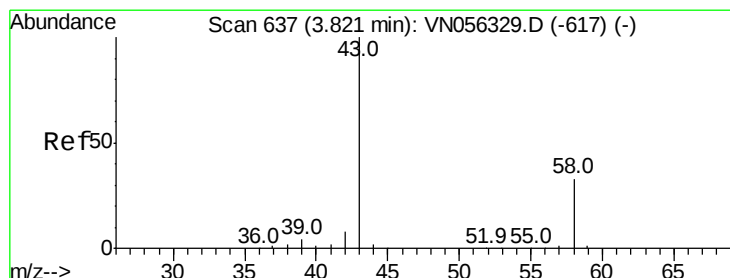
Ion 51.00 (50.70 to 51.70): VN056326.D (-977) (-)

5.00

Time-->



Time-->



#16

Acetone

Concen: 4.887 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056326.D

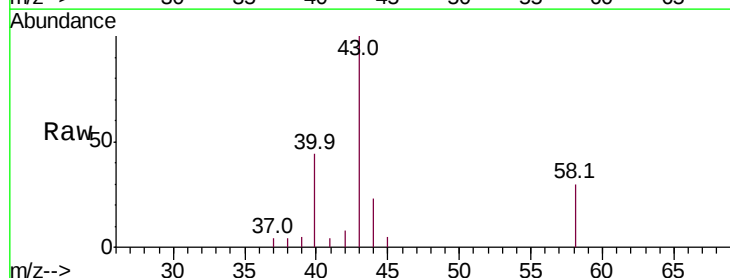
Acq: 17 Jun 2019 8:51

Tgt Ion: 43 Resp: 11462

Ion Ratio Lower Upper

43 100

58 30.3 26.5 39.7

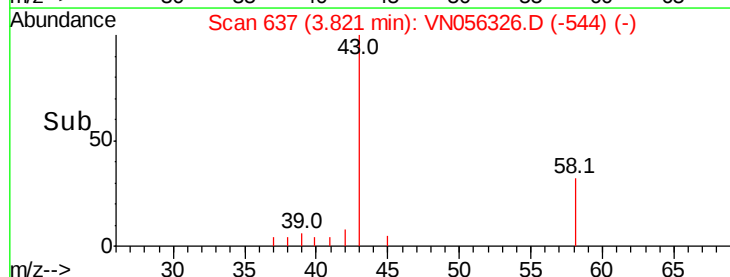


Abundance Ion 43.00 (42.70 to 43.70): VN056326.D (-544) (-)

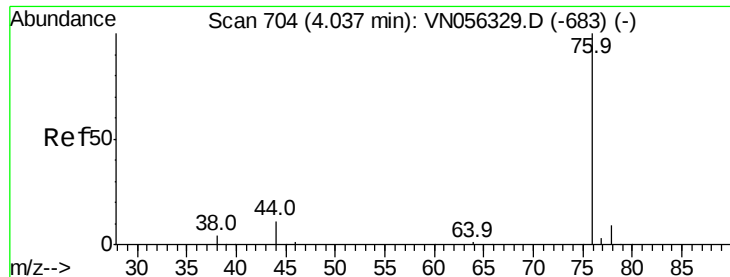
Ion 58.00 (57.70 to 58.70): VN056326.D (-544) (-)

3.82

Time-->



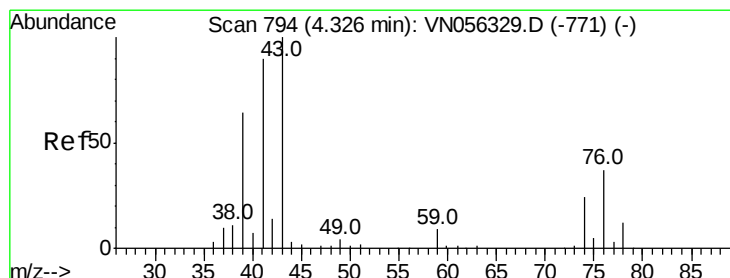
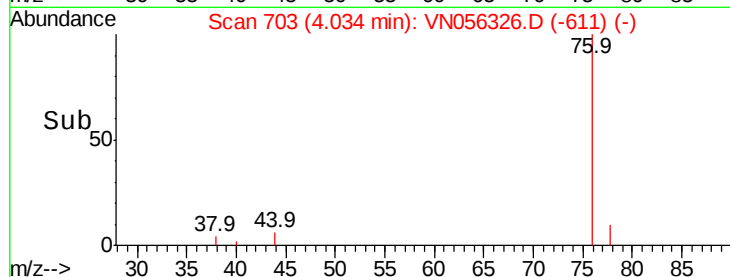
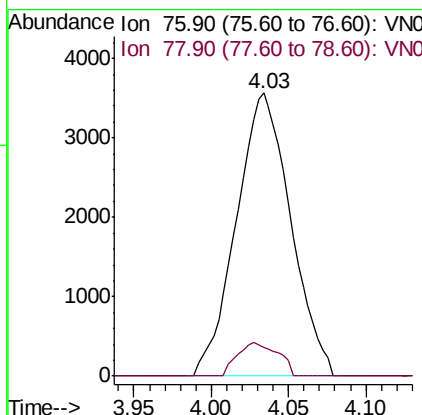
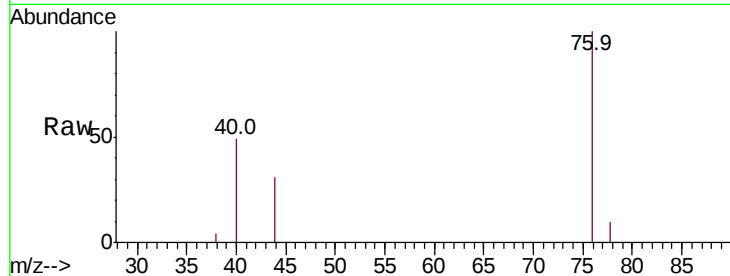
Time-->



#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

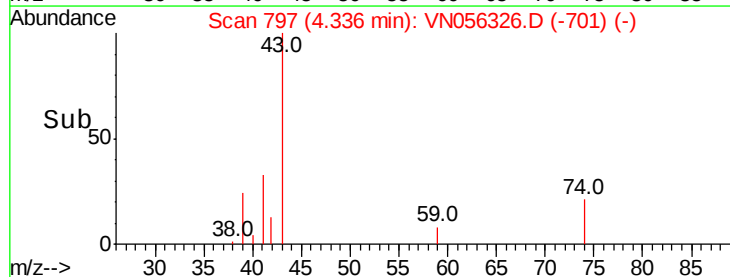
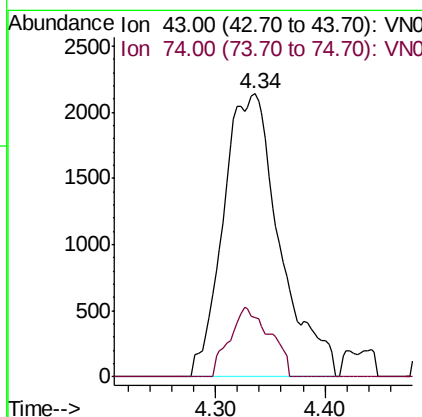
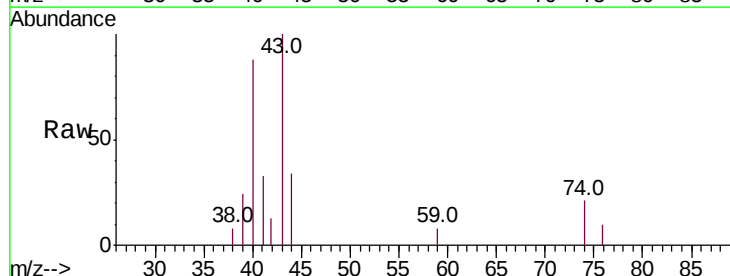
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

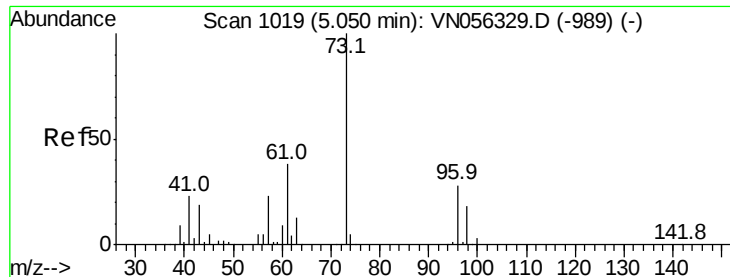
Tot Ion: 76 Resp: 8711
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#18
Methyl Acetate
Concen: 1.629 ug/l m
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt Ion: 43 Resp: 7658
Ion Ratio Lower Upper
43 100
74 17.7 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 :

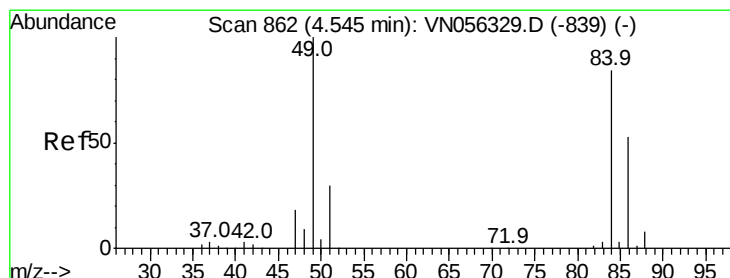
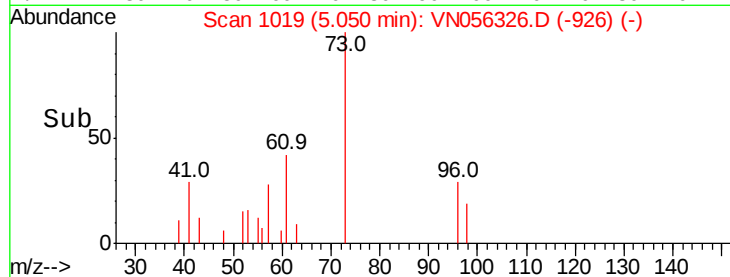
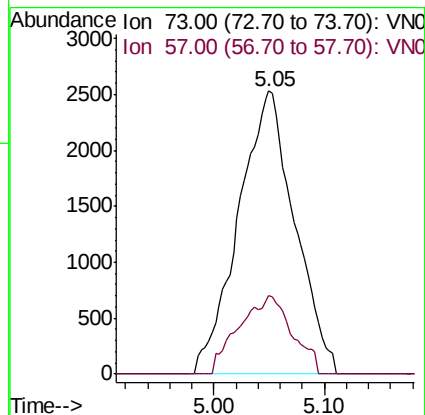
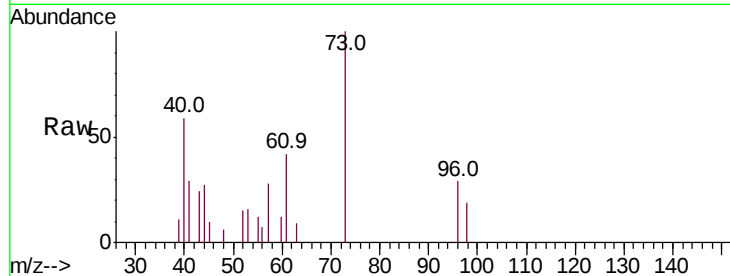
VSTDIC001

Tot Ion: 73 Resp: 8944

Ion Ratio Lower Upper

73 100

57 27.9 18.1 27.1#



#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

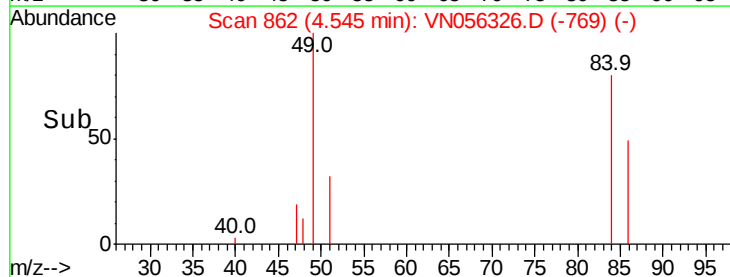
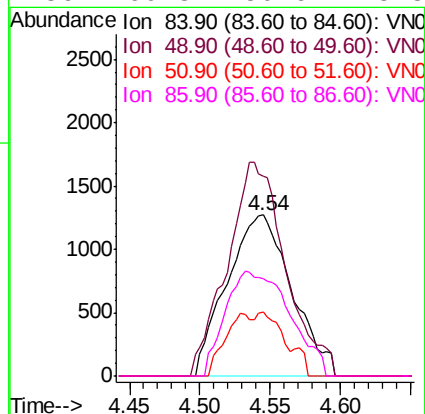
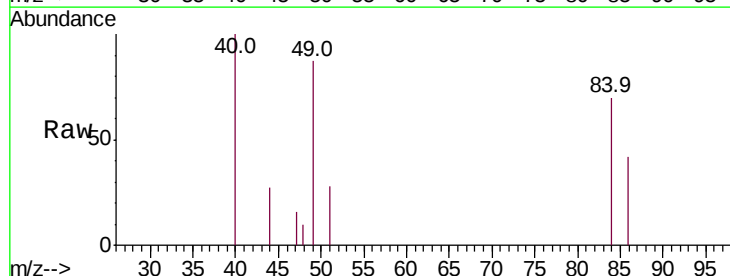
Ion Ratio Lower Upper

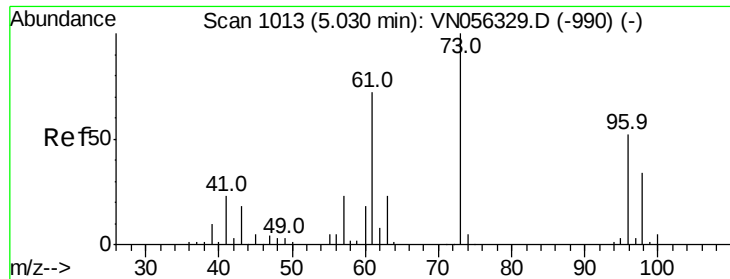
84 100

49 124.3 95.0 142.6

51 40.0 28.2 42.4

86 60.8 50.6 75.8

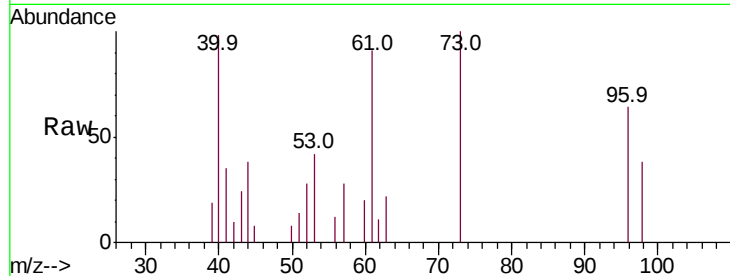




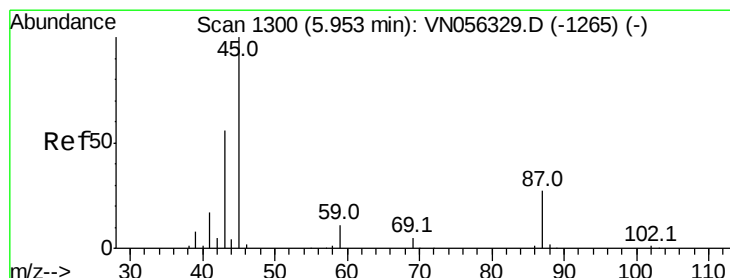
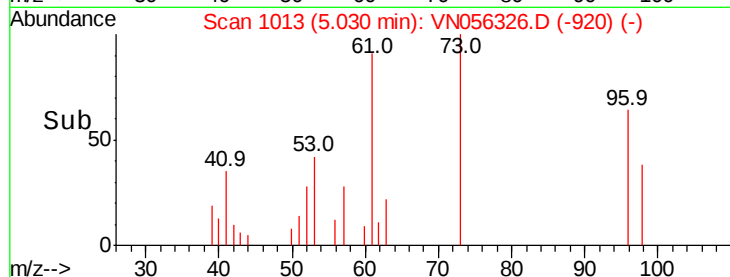
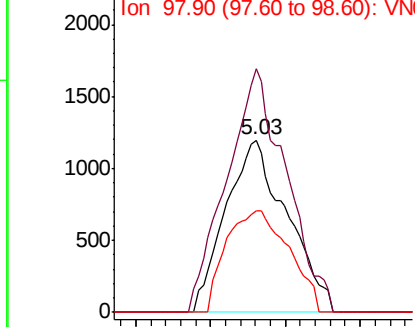
#21
trans-1,2-Dichloroethene
Concen: 0.840 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

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

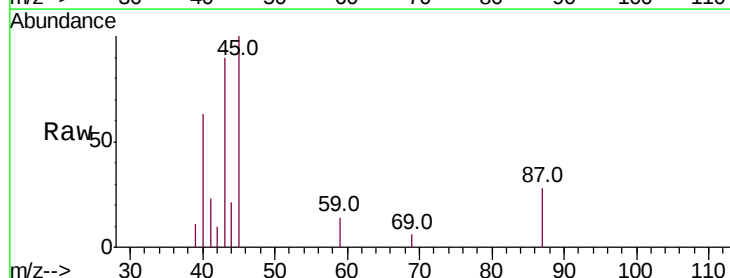


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

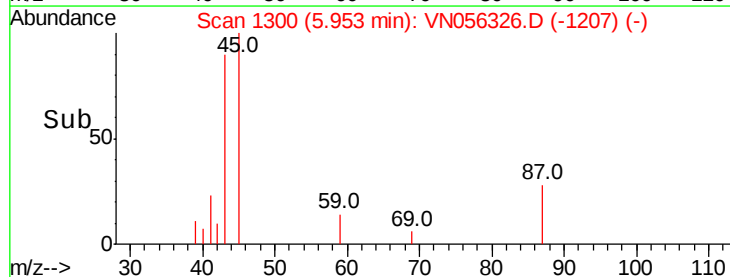
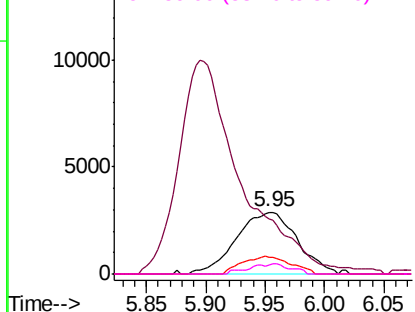


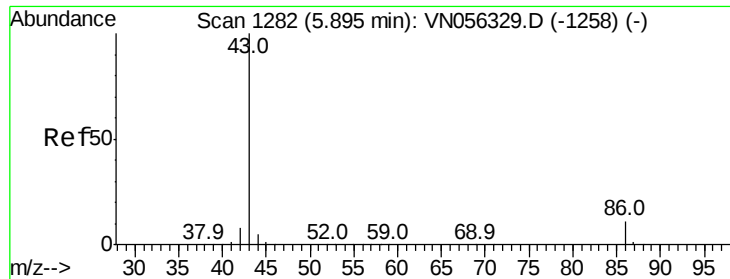
#22
Diisopropyl ether
Concen: 0.807 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

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): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#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 :

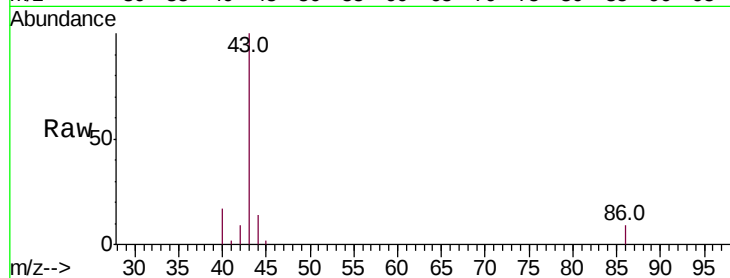
VSTDIC001

Tot Ion: 43 Resp: 36496

Ion Ratio Lower Upper

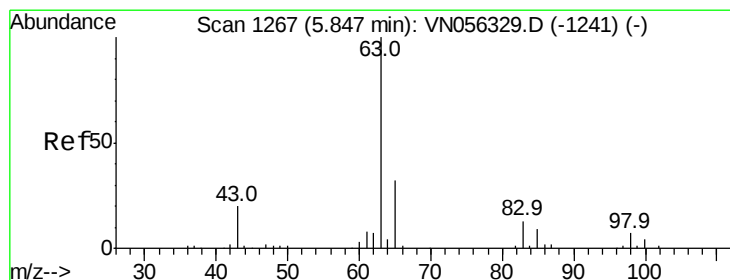
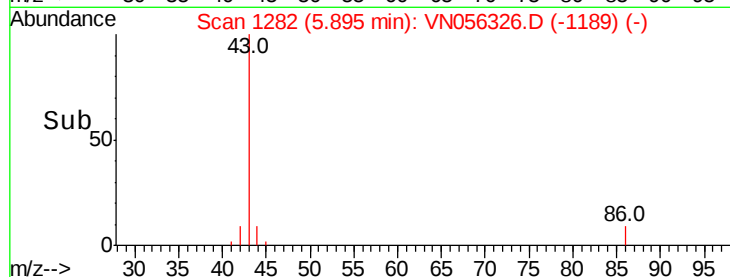
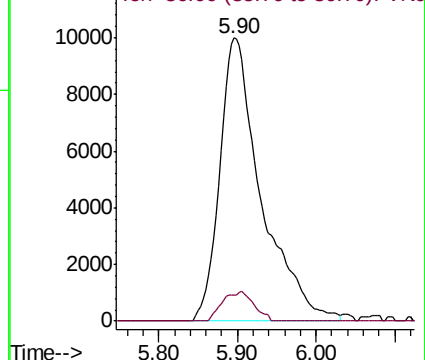
43 100

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

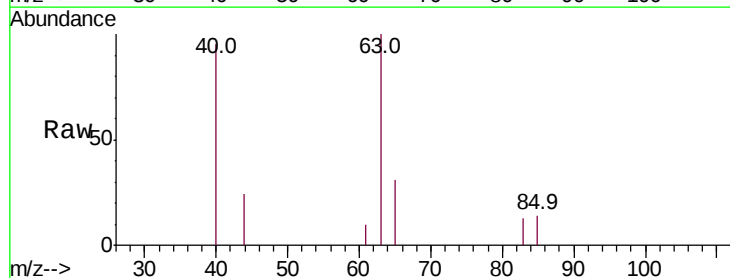
Tgt Ion: 63 Resp: 6038

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

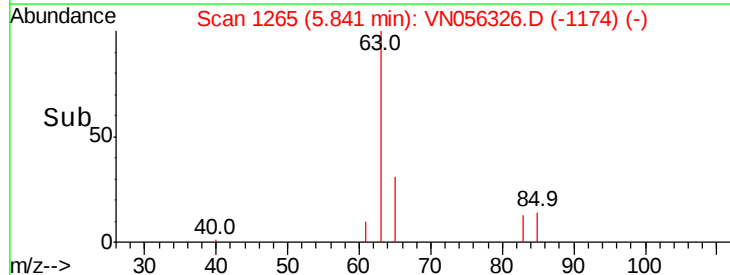
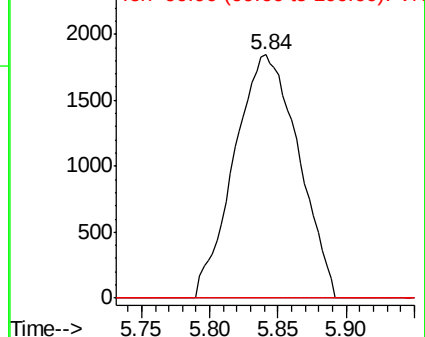
100 0.0 2.2 6.6#

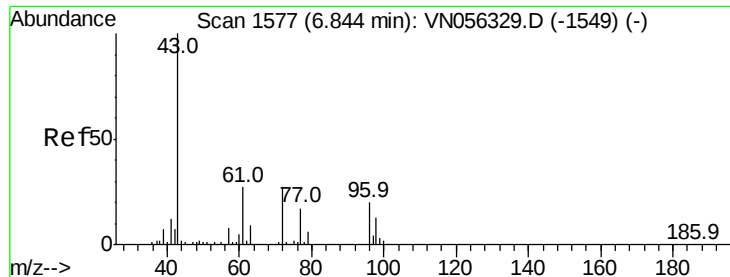


Abundance Ion 62.90 (62.60 to 63.60): VN0

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

ClientSampleId :

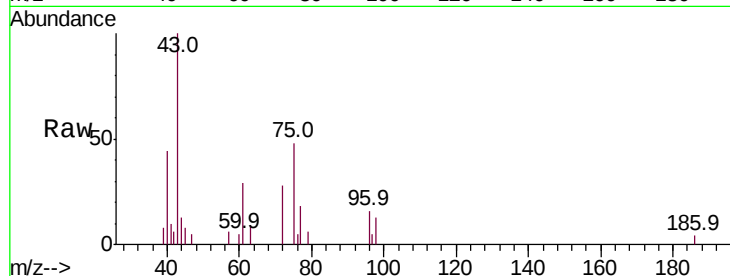
VSTDIC001

Tot Ion: 43 Resp: 11631

Ion Ratio Lower Upper

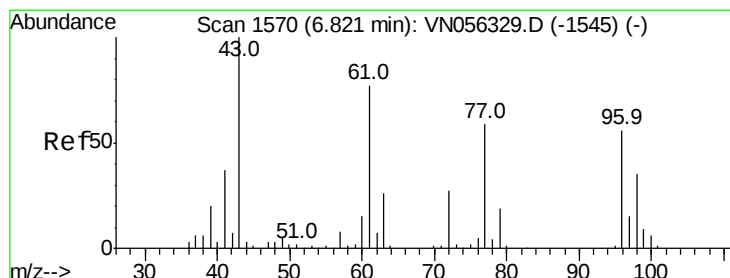
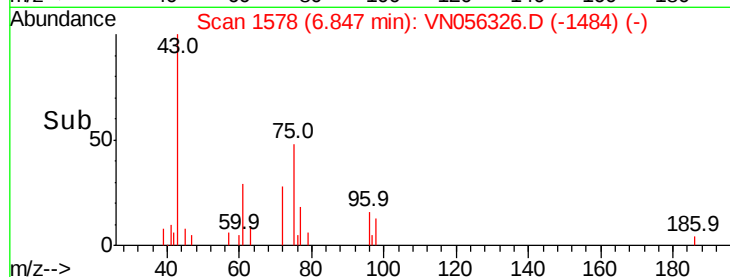
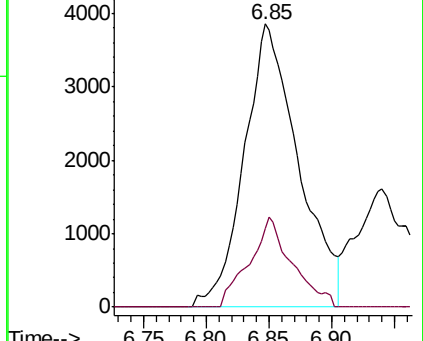
43 100

72 28.0 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#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

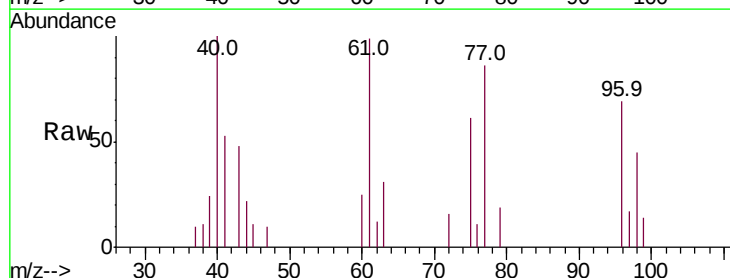
Acq: 17 Jun 2019 8:51

Tgt Ion: 77 Resp: 4644

Ion Ratio Lower Upper

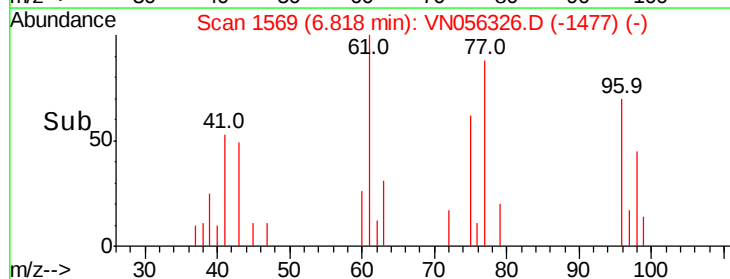
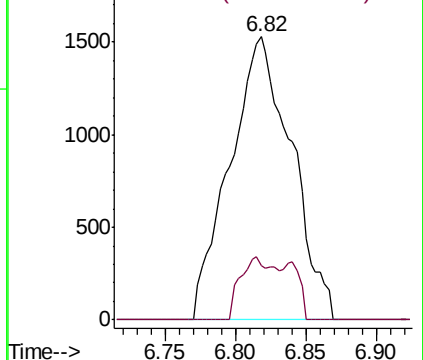
77 100

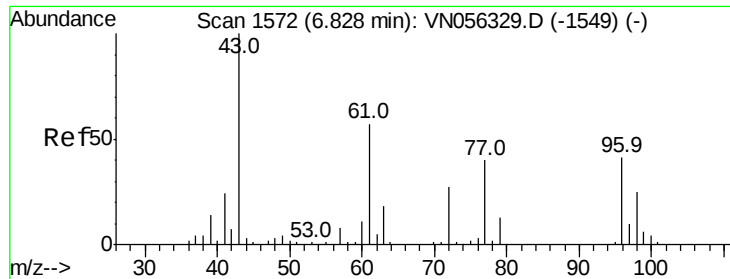
97 12.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#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

ClientSampleId :

VSTDIC001

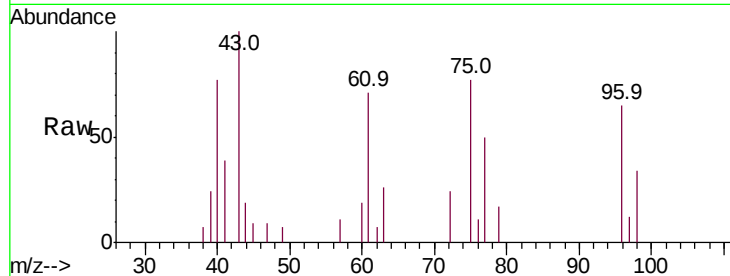
Tot Ion: 96 Resp: 3957

Ion Ratio Lower Upper

96 100

61 134.5 0.0 278.6

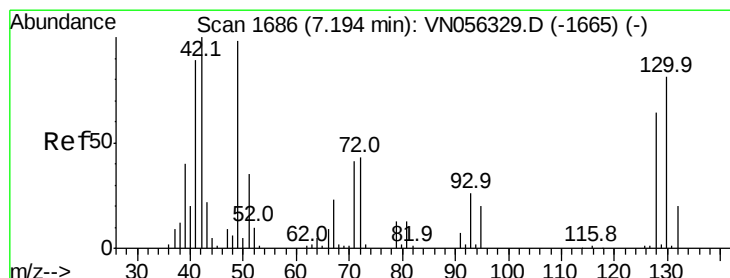
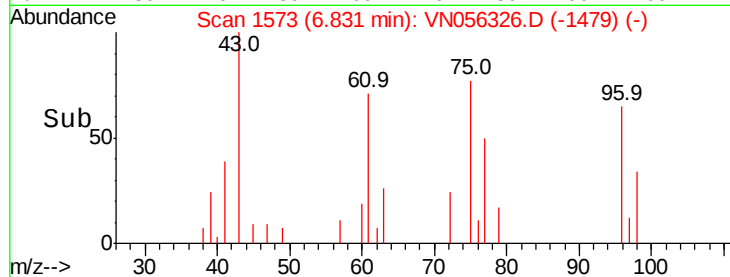
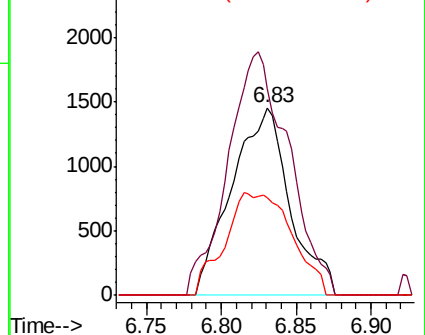
98 62.3 0.0 127.0



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



#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

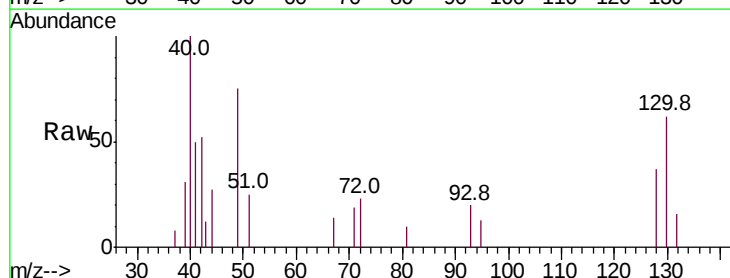
Tgt Ion: 49 Resp: 3219

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

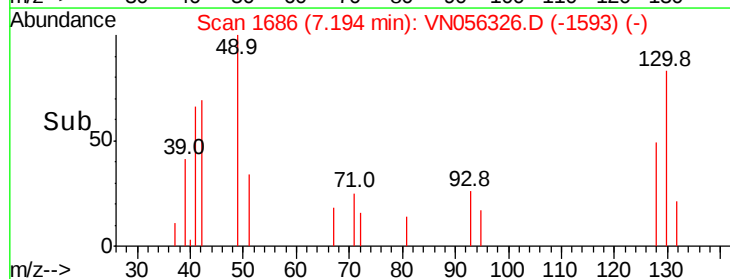
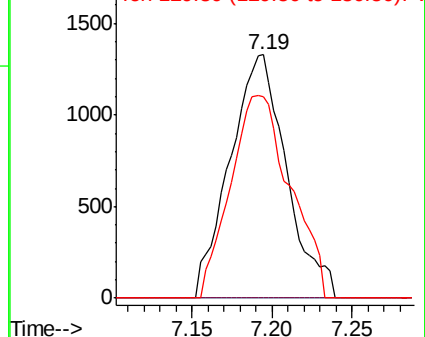
130 88.0 66.4 99.6

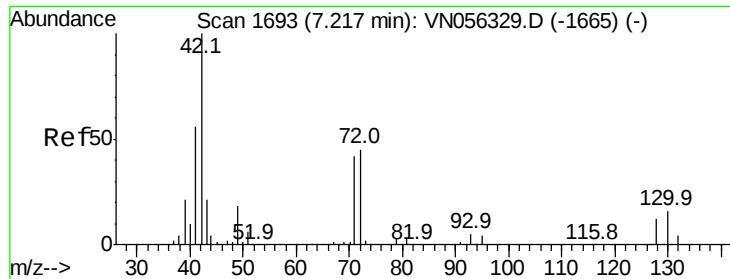


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#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

ClientSampleId :

VSTDIC001

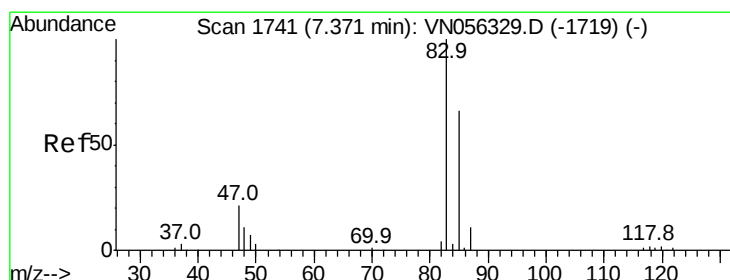
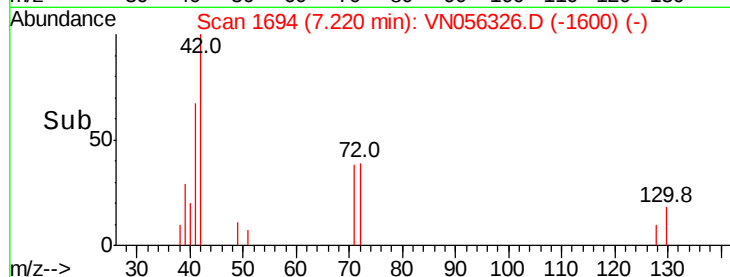
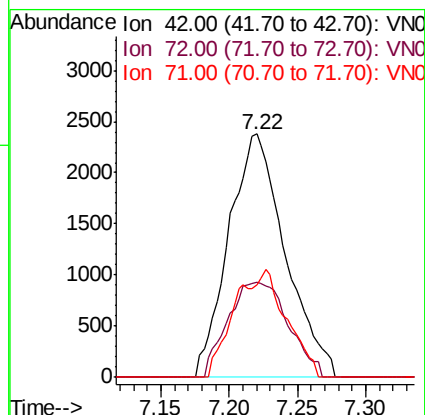
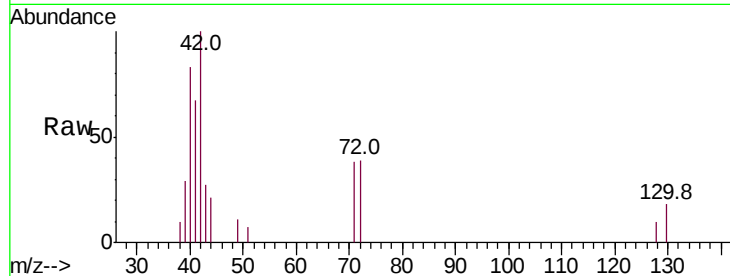
Tot Ion: 42 Resp: 6857

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

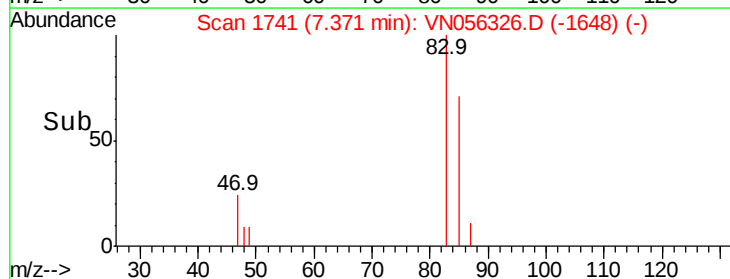
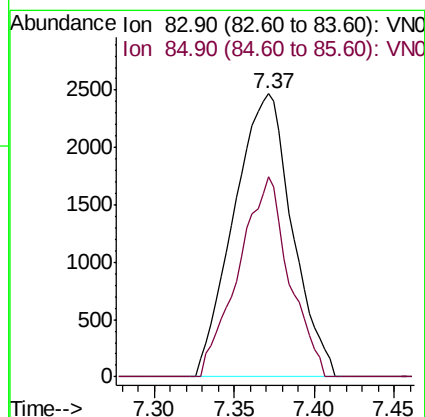
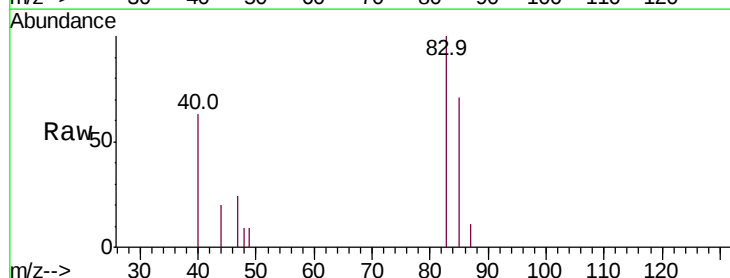
Acq: 17 Jun 2019 8:51

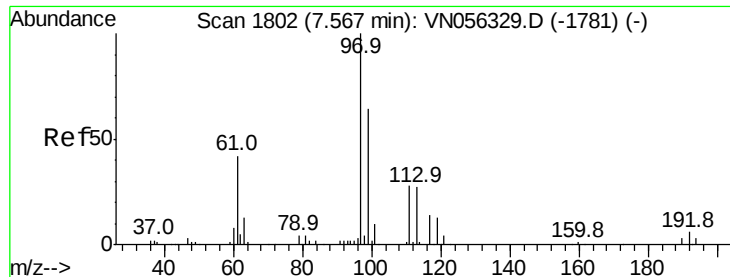
Tgt Ion: 83 Resp: 6177

Ion Ratio Lower Upper

83 100

85 70.7 52.6 78.8





#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

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

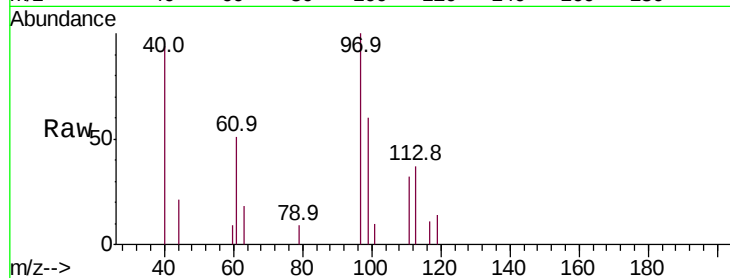
Tot Ion: 97 Resp: 5023

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

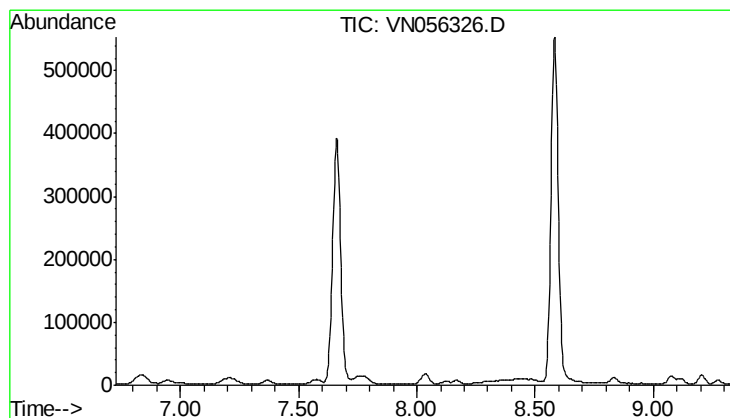
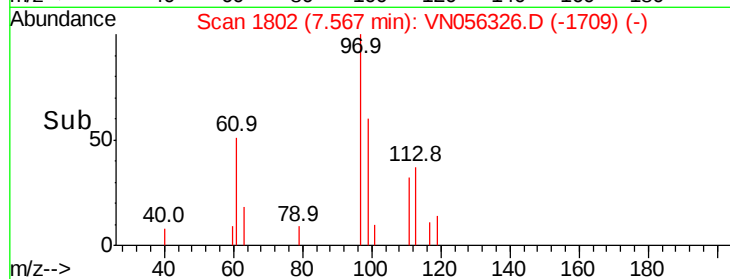
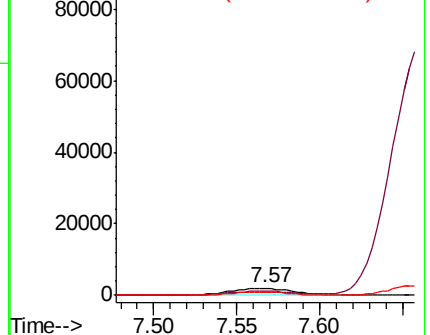
61 44.6 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN056326.D

Ion 98.90 (98.60 to 99.60): VN056326.D

Ion 60.90 (60.60 to 61.60): VN056326.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN056326.D

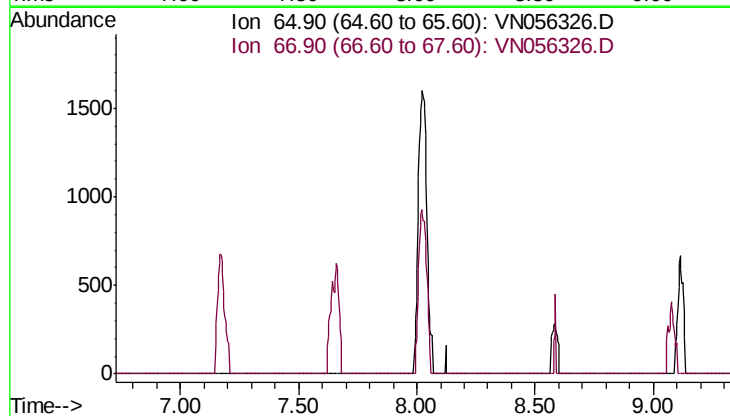
Acq: 17 Jun 2019 8:51

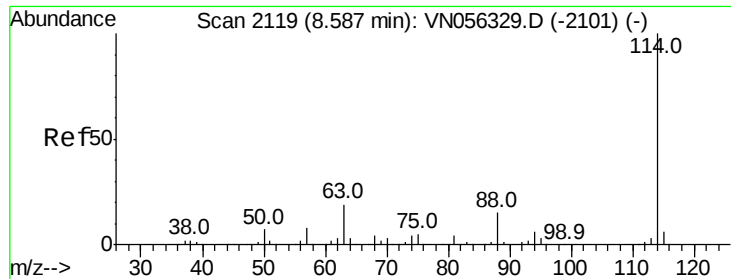
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.4

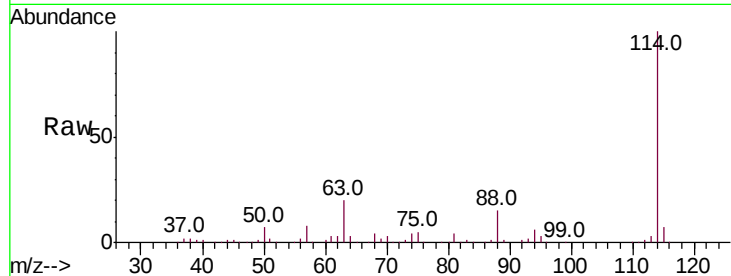




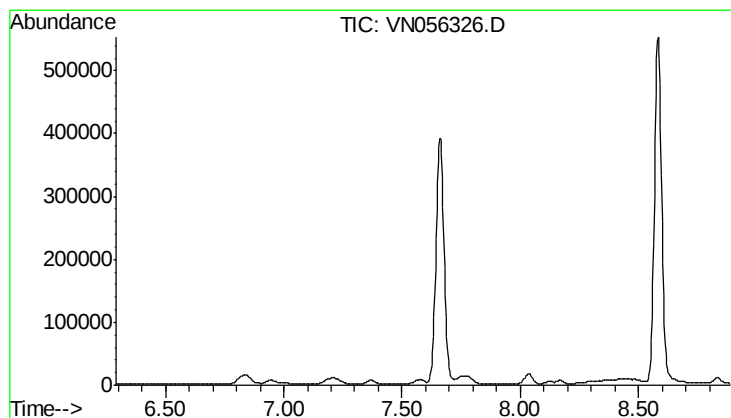
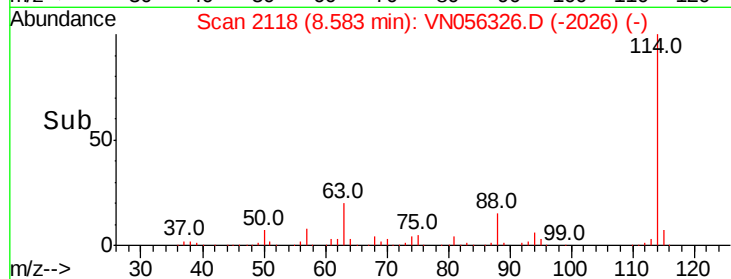
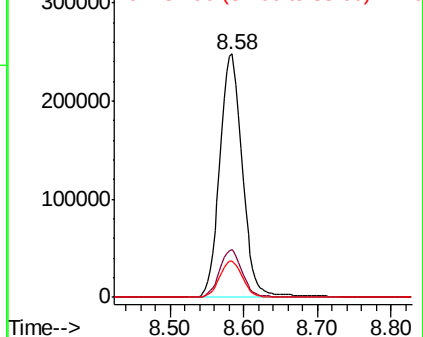
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

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

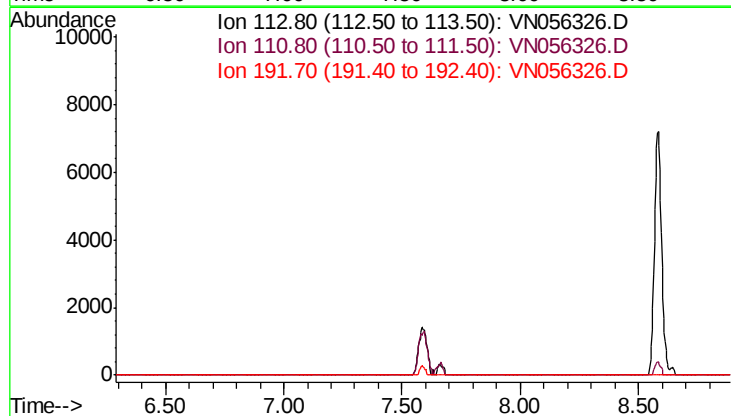


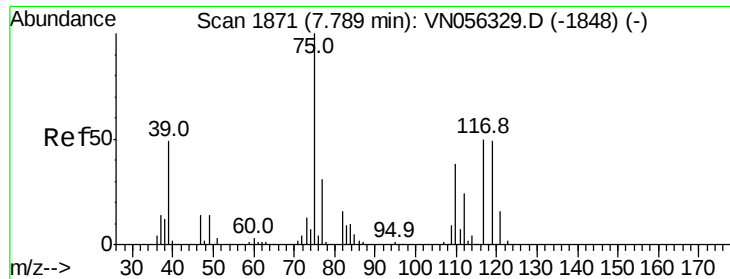
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 102.6
 192 22.0

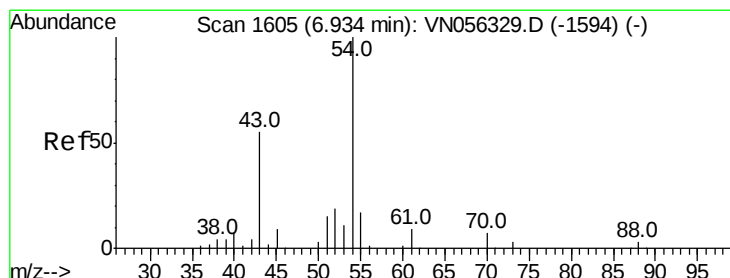
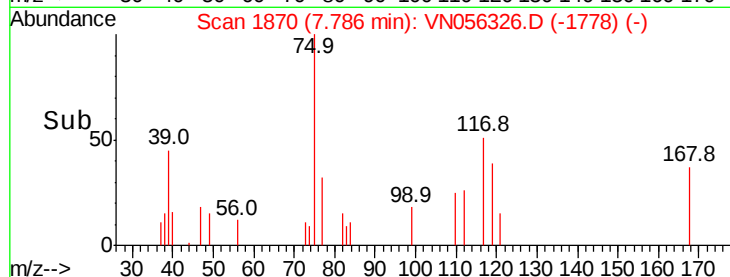
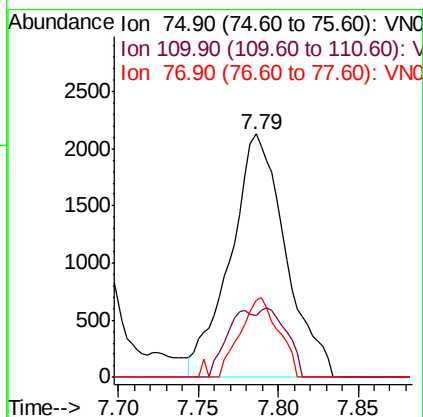
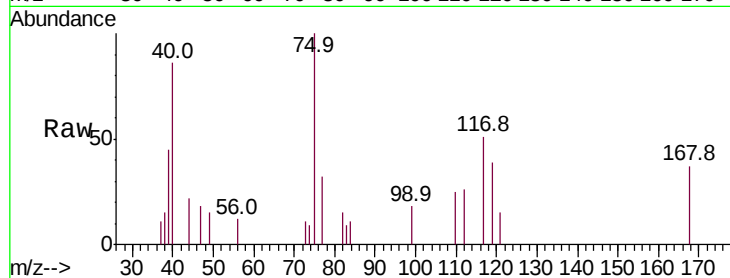




#36
 1,1-Dichloropropene
 Concen: 0.856 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

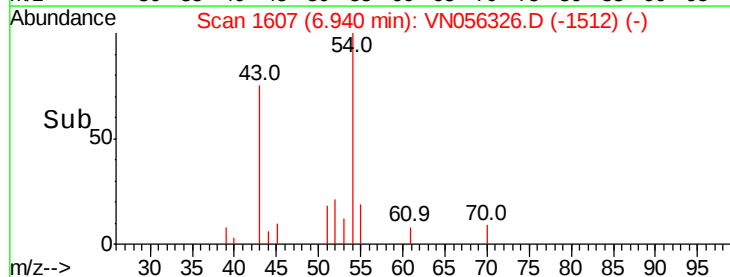
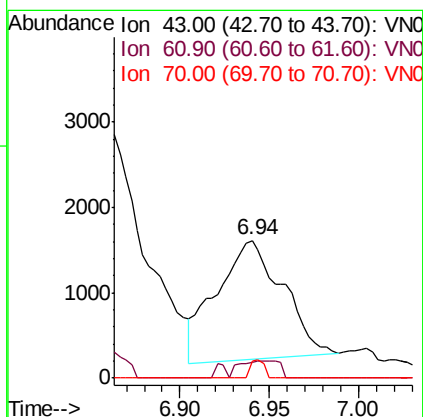
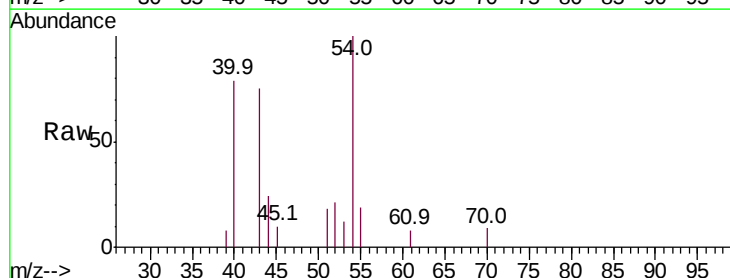
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

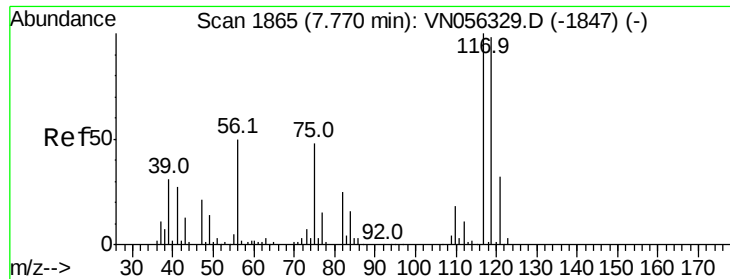
Tot Ion: 75 Resp: 5042
 Ion Ratio Lower Upper
 75 100
 110 14.8 18.6 56.0#
 77 22.6 25.0 37.6#



#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

Tgt 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

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

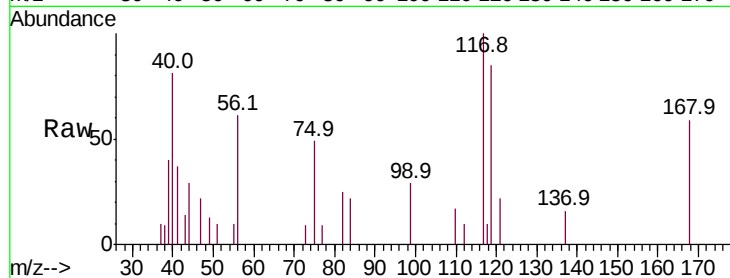
Tot Ion:117 Resp: 4729

Ion Ratio Lower Upper

117 100

119 84.6 77.8 116.8

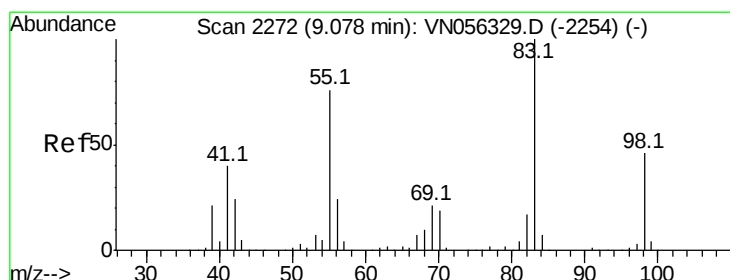
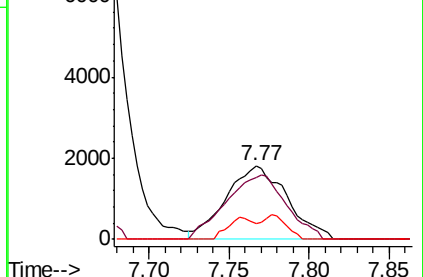
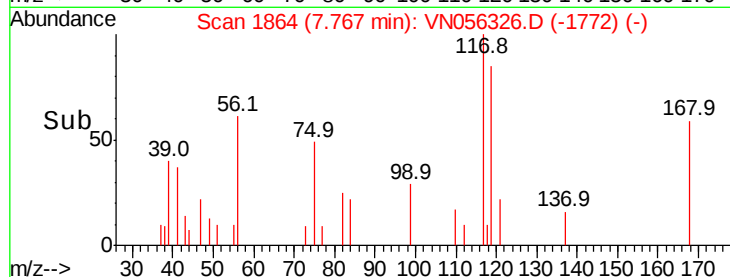
121 21.7 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

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

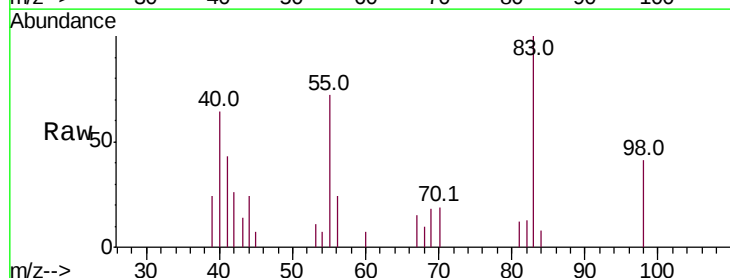
Tgt Ion: 83 Resp: 5445

Ion Ratio Lower Upper

83 100

55 72.2 60.8 91.2

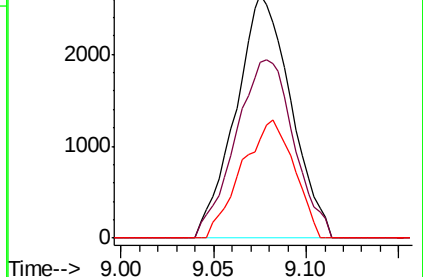
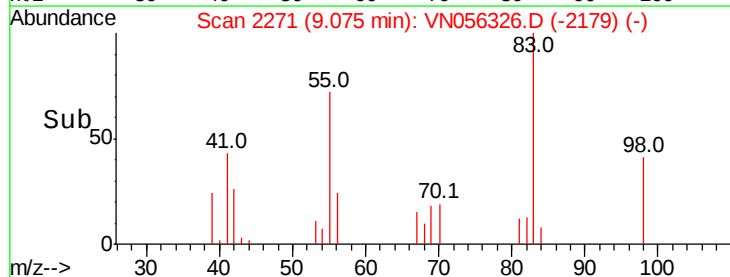
98 40.6 36.8 55.2

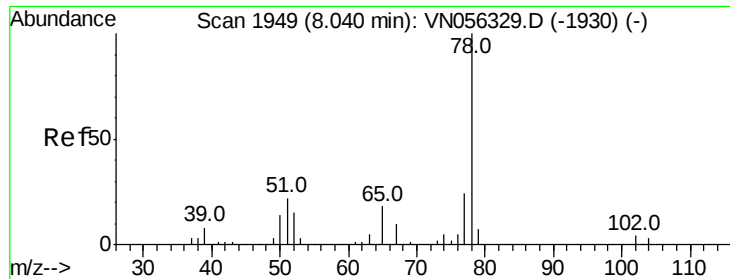


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#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

Instrument :

MSVOA_N

ClientSampleId :

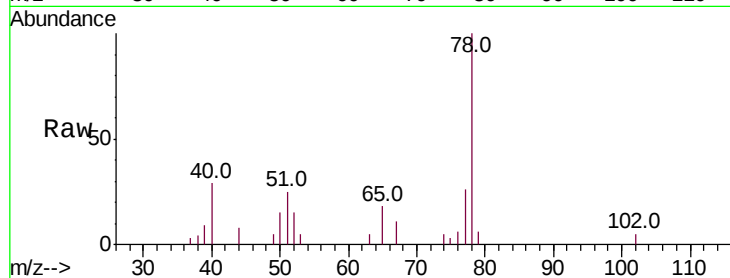
VSTDIC001

Tot Ion: 78 Resp: 14085

Ion Ratio Lower Upper

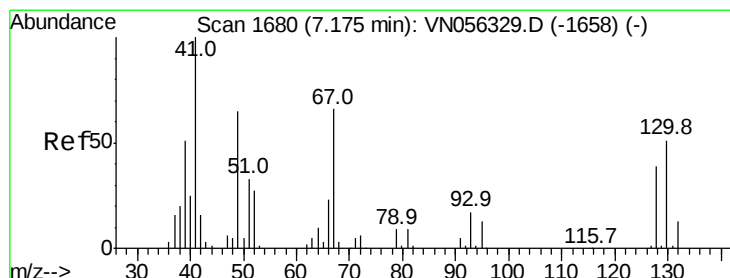
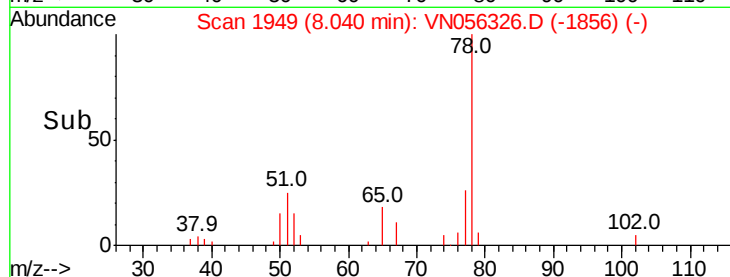
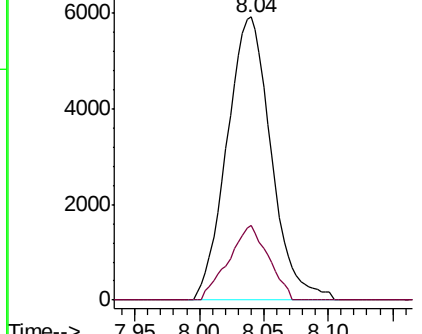
78 100

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

Tgt Ion: 41 Resp: 1742

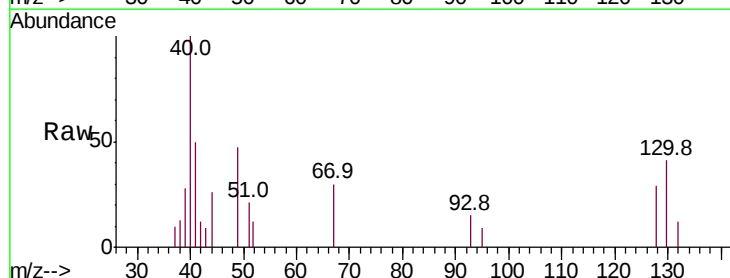
Ion Ratio Lower Upper

41 100

39 12.5 44.5 66.7#

67 80.8 69.0 103.4

52 17.9 28.1 42.1#

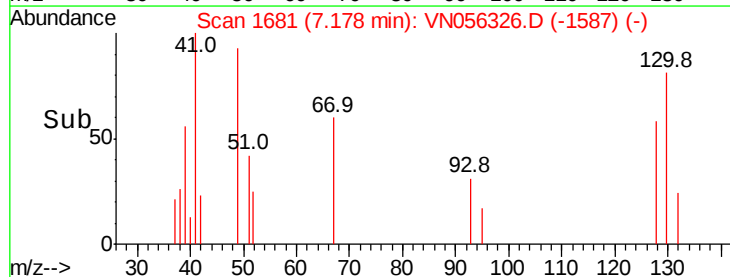
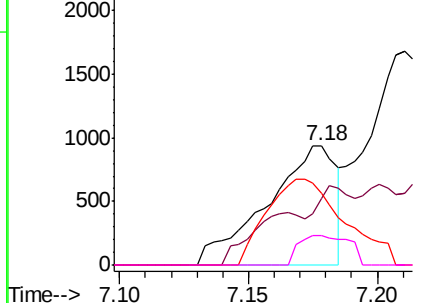


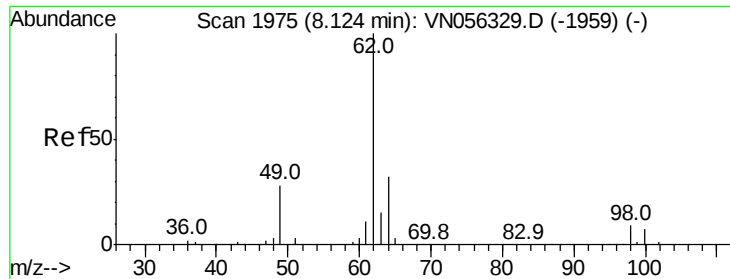
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#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

Instrument :

MSVOA_N

ClientSampleId :

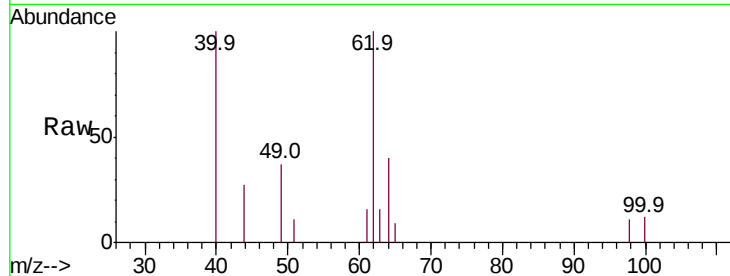
VSTDIC001

Tot Ion: 62 Resp: 4554

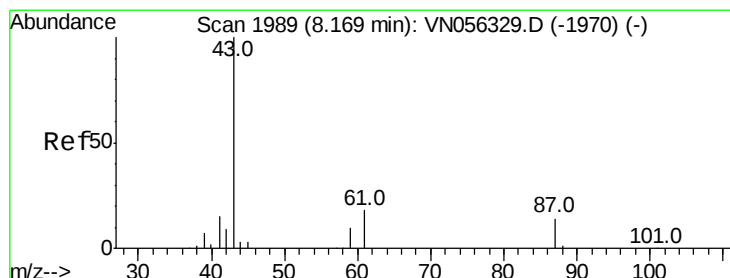
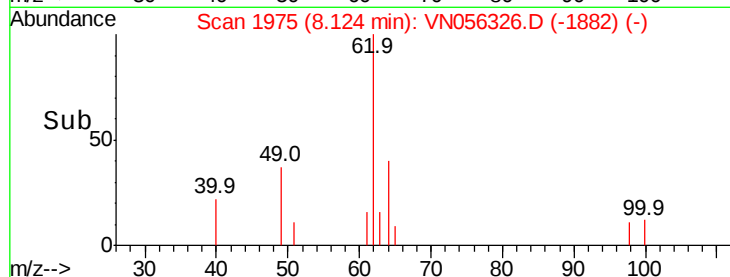
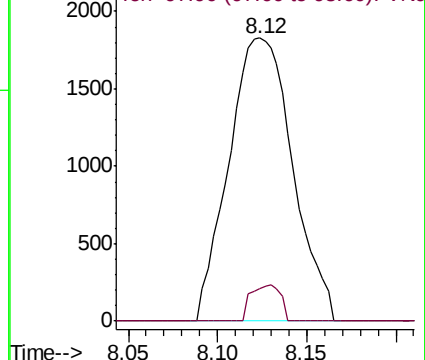
Ion Ratio Lower Upper

62 100

98 6.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#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

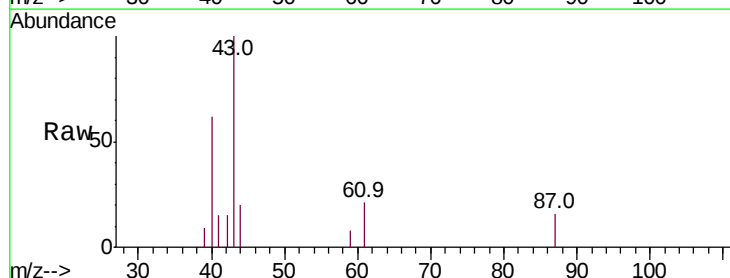
Tgt Ion: 43 Resp: 6624

Ion Ratio Lower Upper

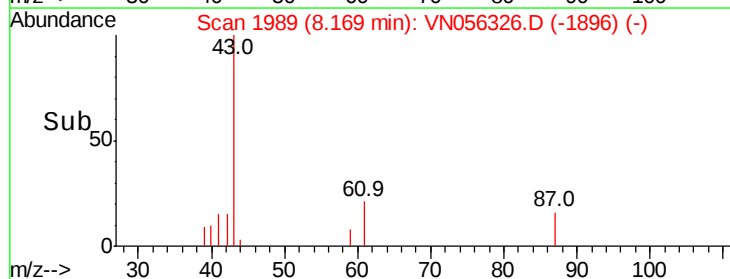
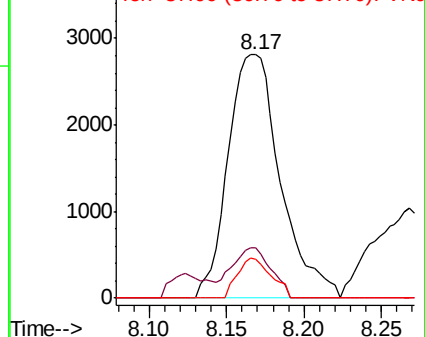
43 100

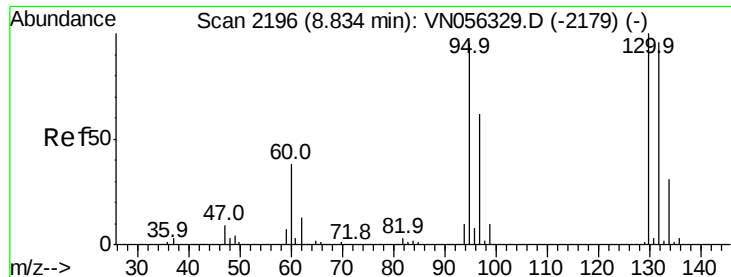
61 15.7 16.6 25.0#

87 10.5 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#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

Instrument :

MSVOA_N

ClientSampleId :

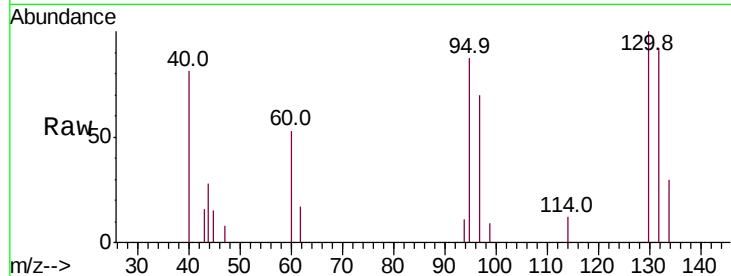
VSTDIC001

Tot Ion:130 Resp: 3802

Ion Ratio Lower Upper

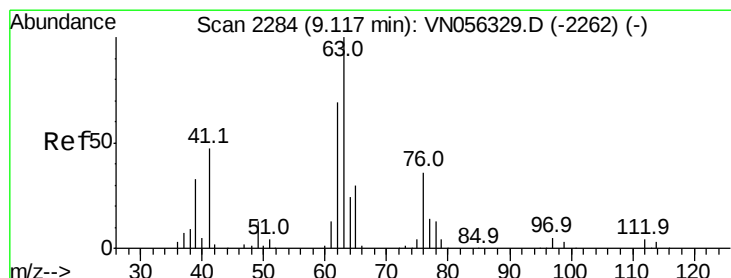
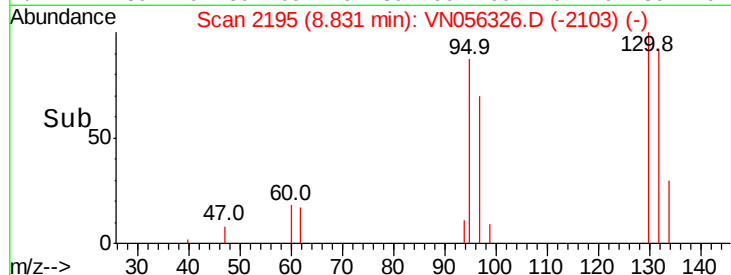
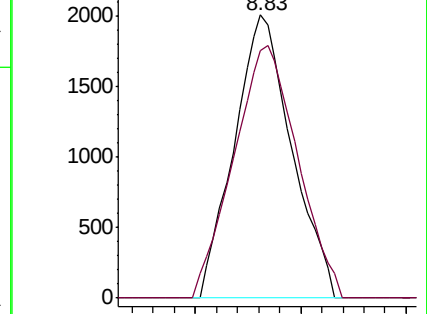
130 100

95 87.3 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#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

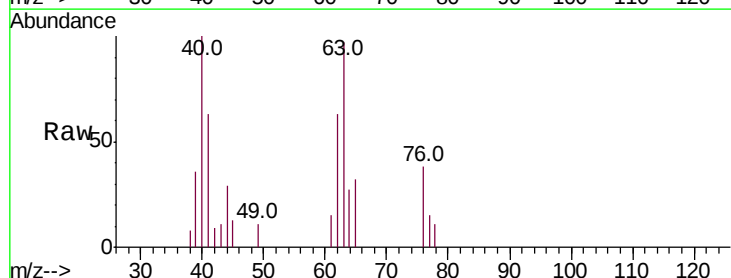
Acq: 17 Jun 2019 8:51

Tgt Ion: 63 Resp: 3661

Ion Ratio Lower Upper

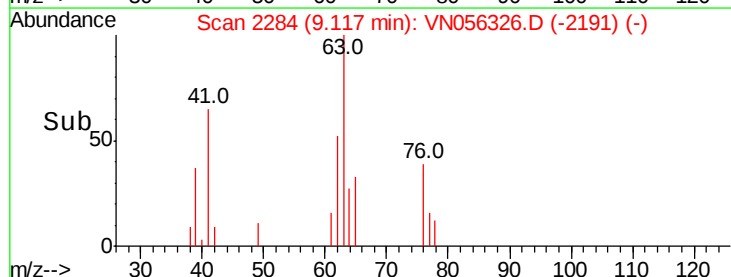
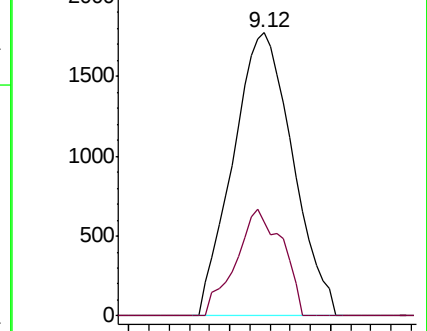
63 100

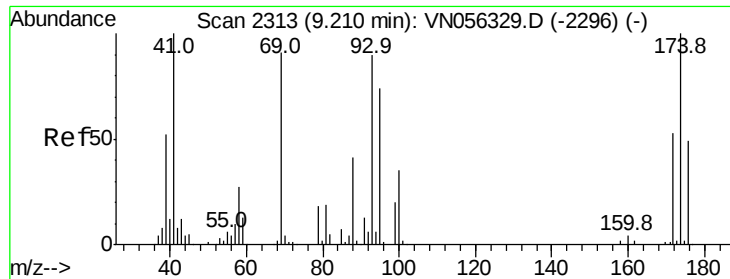
65 33.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





#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

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

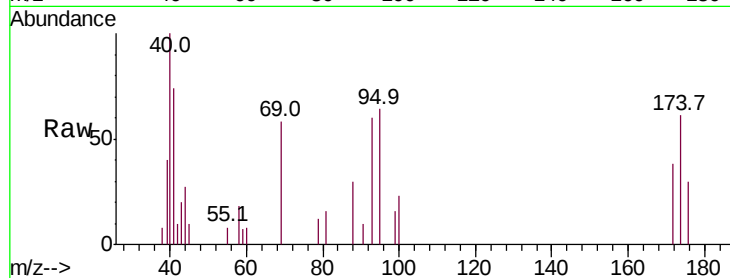
Tot Ion: 93 Resp: 2557

Ion Ratio Lower Upper

93 100

95 86.5 67.2 100.8

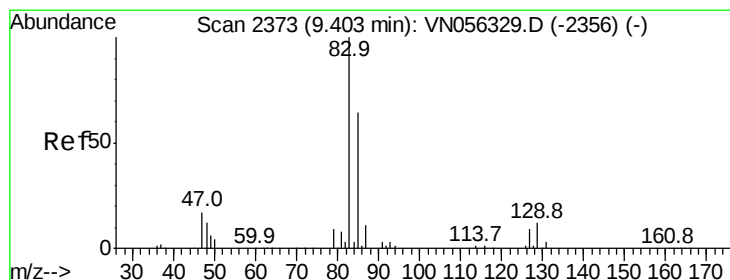
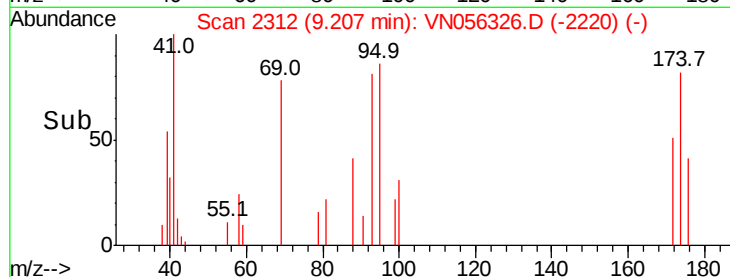
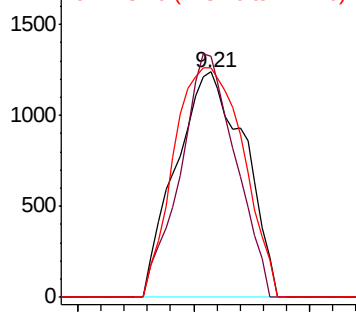
174 102.8 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



#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

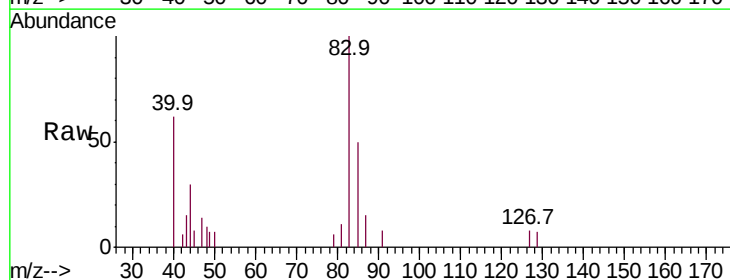
Tgt Ion: 83 Resp: 4889

Ion Ratio Lower Upper

83 100

85 50.3 51.1 76.7#

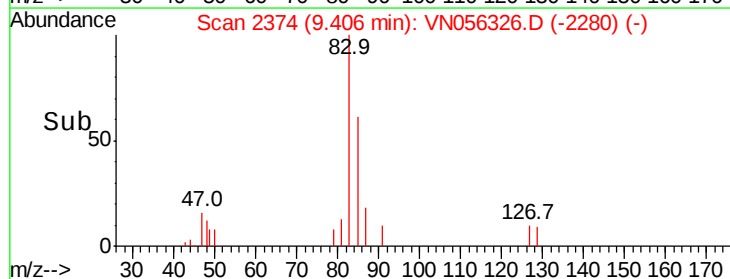
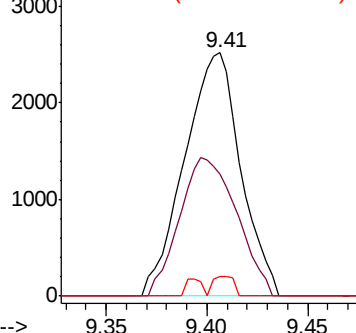
127 8.0 7.1 10.7

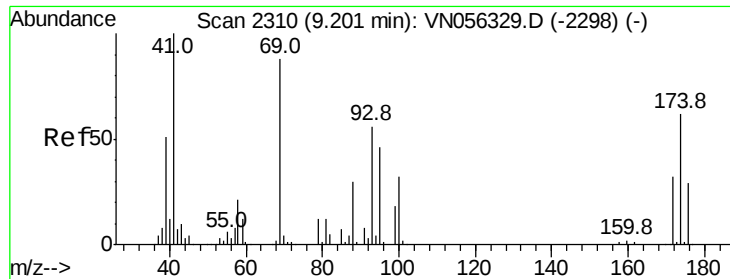


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

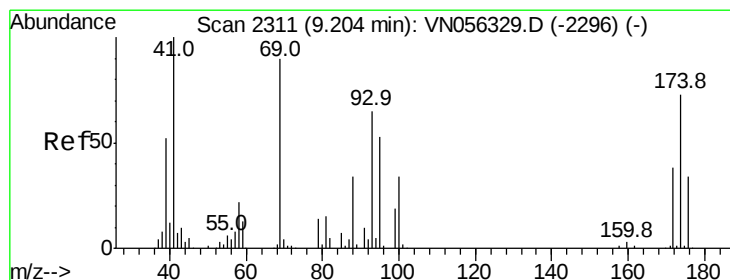
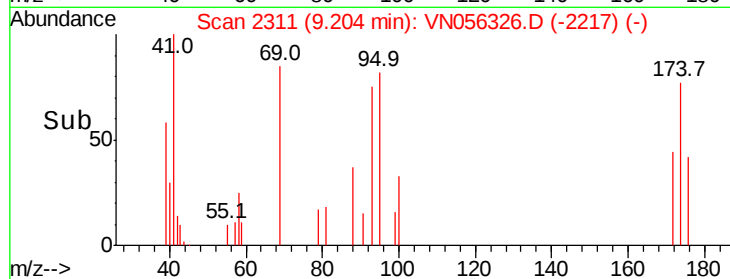
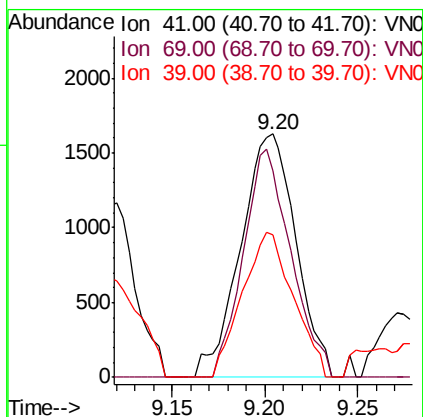
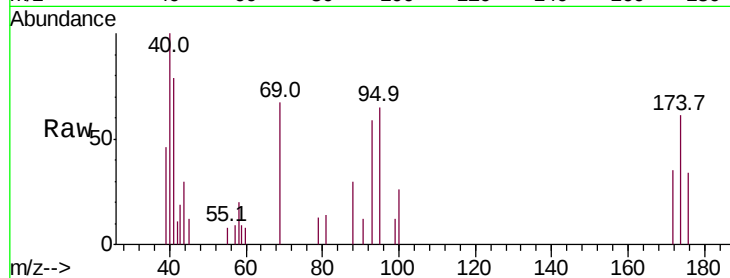




#48
Methvl methacrylate
Concen: 0.774 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

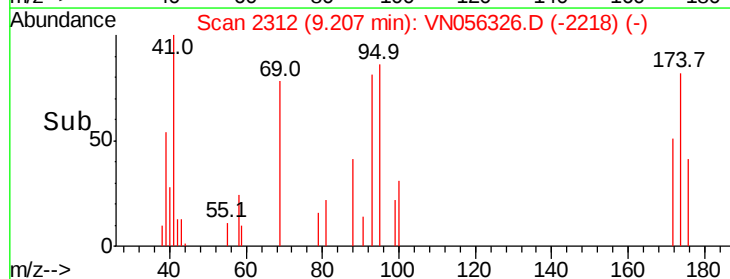
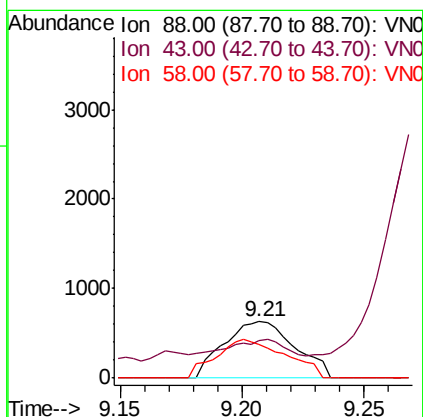
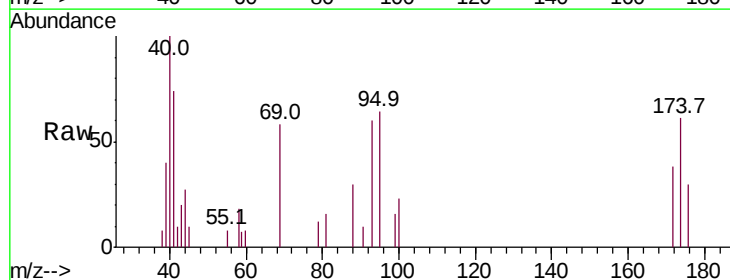
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

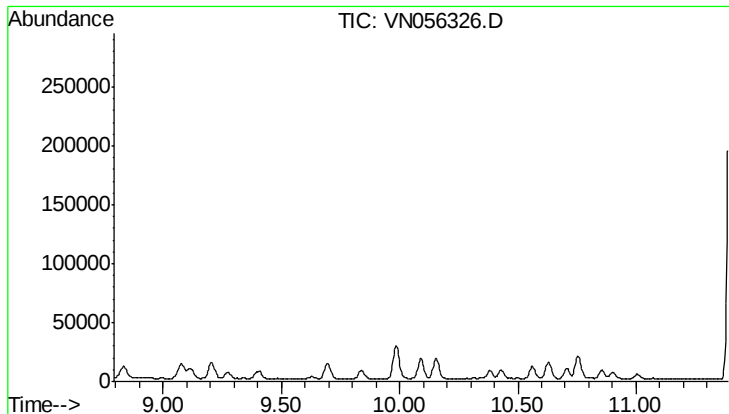
Tot Ion: 41 Resp: 3367
Ion Ratio Lower Upper
41 100
69 81.0 71.0 106.6
39 54.9 41.7 62.5



#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

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

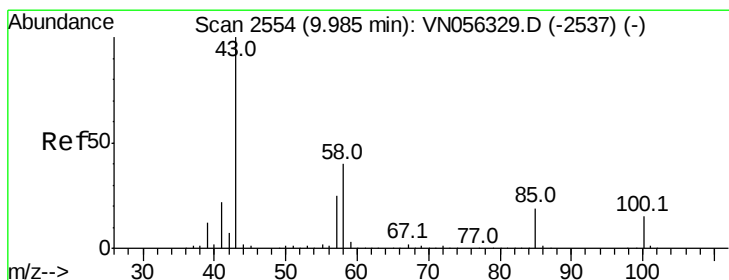
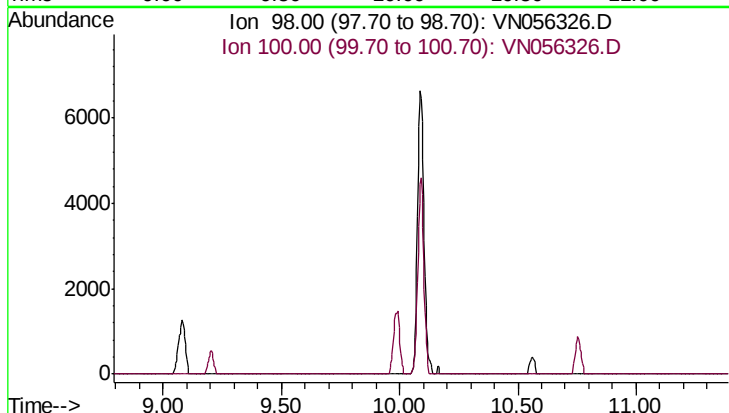




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

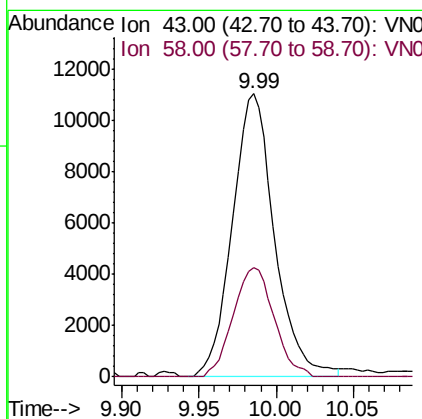
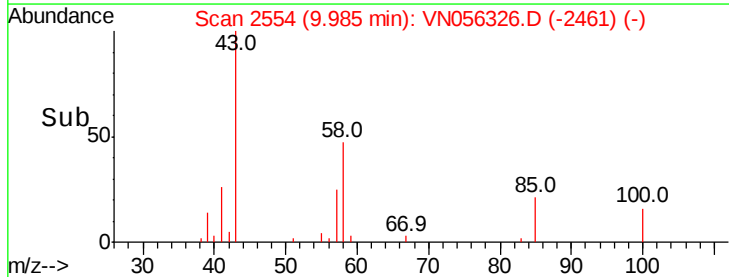
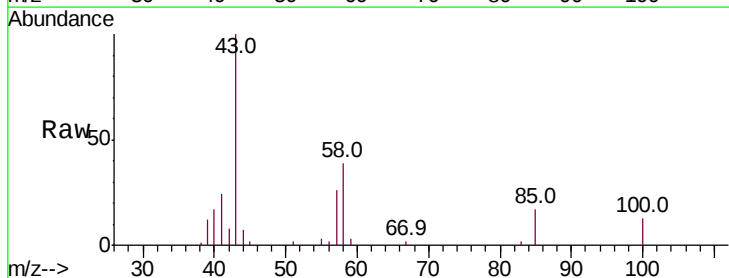
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

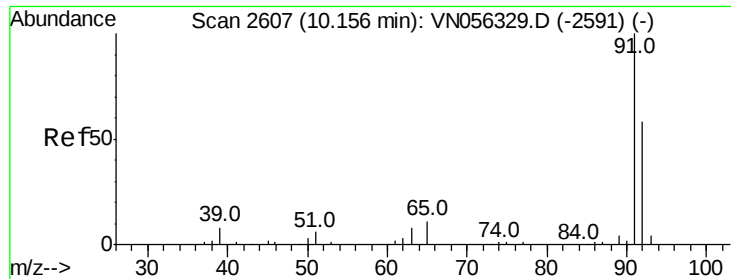
Tot Ion: 98
Sig Exp Ratio
98 100
100 64.5



#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

Tgt Ion: 43 Resp: 20953
Ion Ratio Lower Upper
43 100
58 37.3 31.8 47.6





#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

Instrument :

MSVOA_N

ClientSampleId :

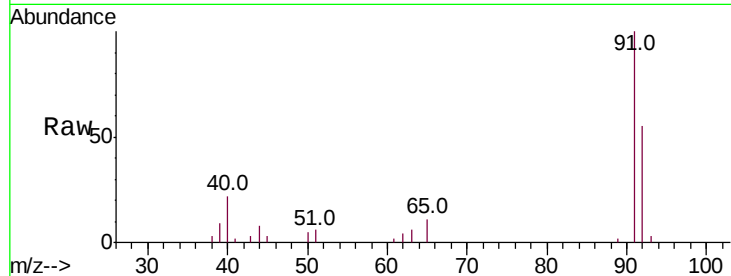
VSTDIC001

Tot Ion: 92 Resp: 8245

Ion Ratio Lower Upper

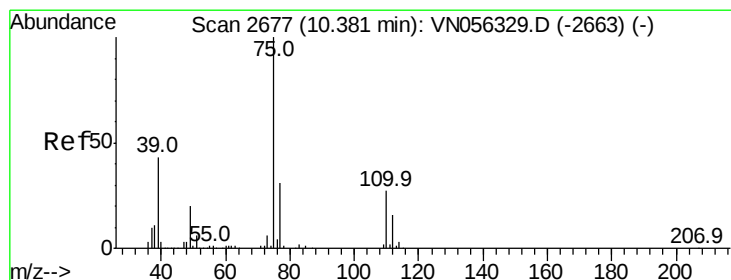
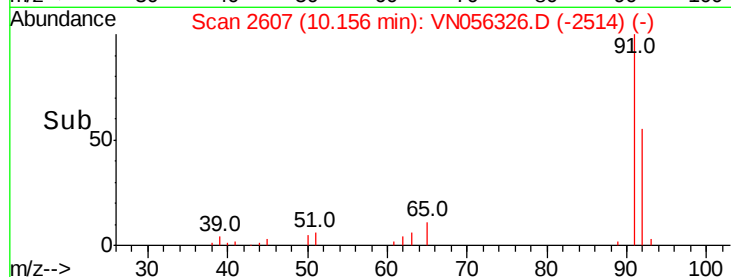
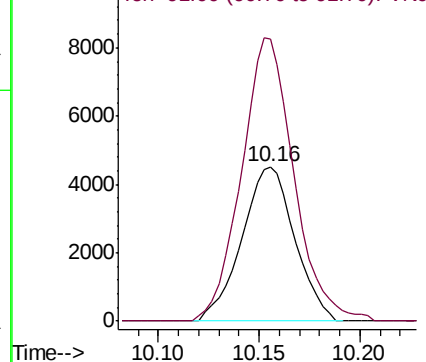
92 100

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

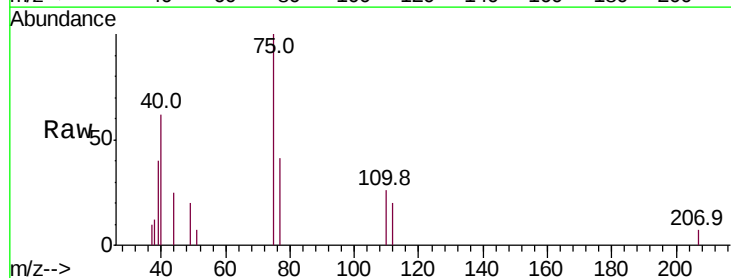
Acq: 17 Jun 2019 8:51

Tgt Ion: 75 Resp: 4266

Ion Ratio Lower Upper

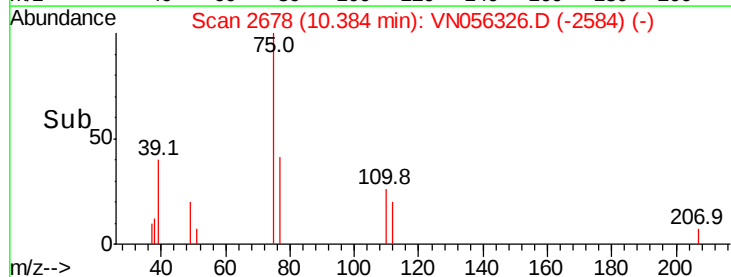
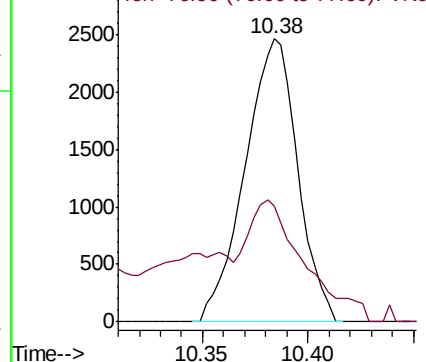
75 100

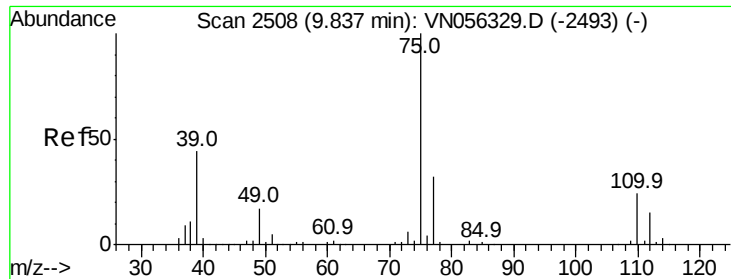
77 32.7 25.1 37.7



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

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

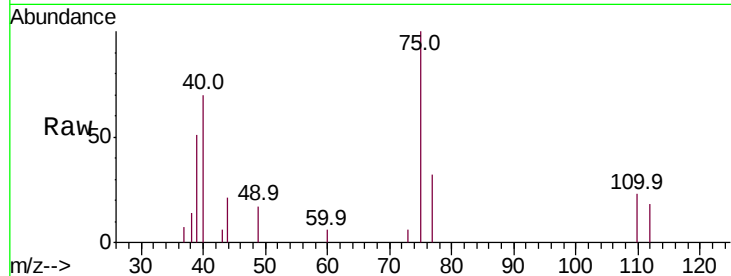
Tot Ion: 75 Resp: 4717

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

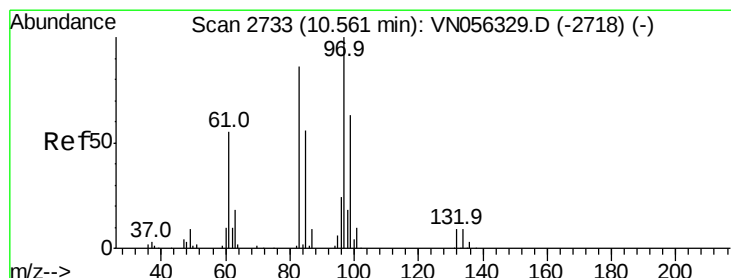
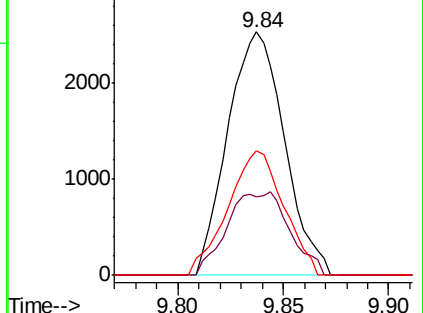
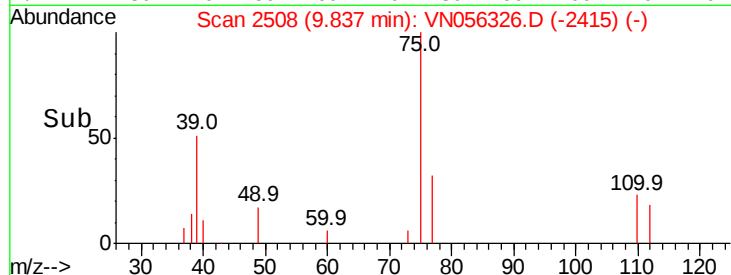
39 51.1 35.4 53.0



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

Tgt Ion: 97 Resp: 3556

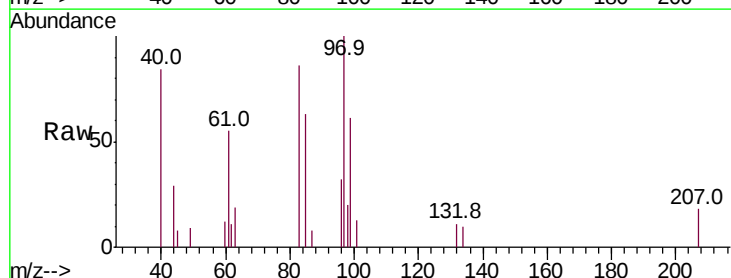
Ion Ratio Lower Upper

97 100

83 85.8 69.0 103.4

85 63.1 44.6 67.0

99 61.4 50.5 75.7

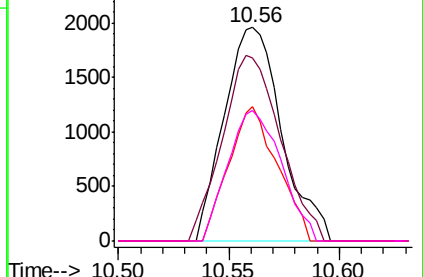
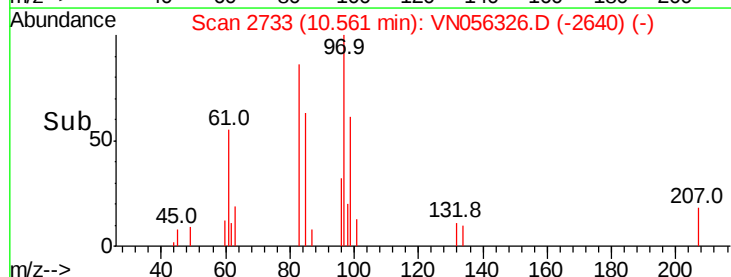


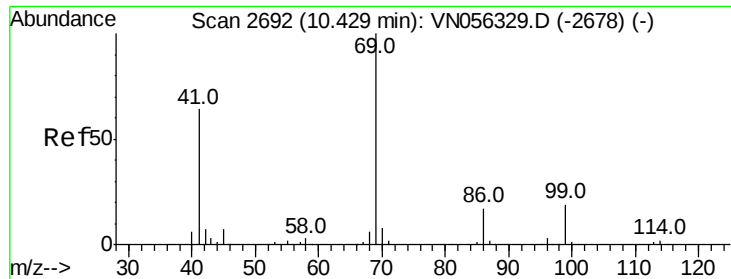
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#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

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

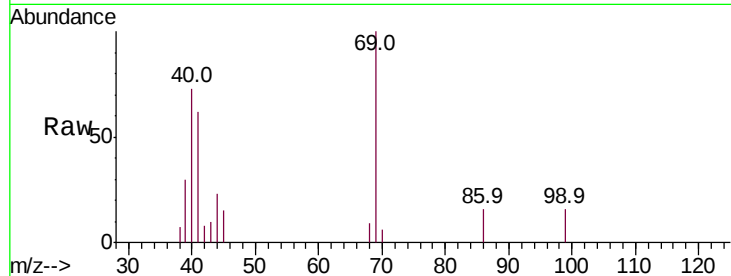
Tot Ion: 69 Resp: 4323

Ion Ratio Lower Upper

69 100

41 63.5 52.0 78.0

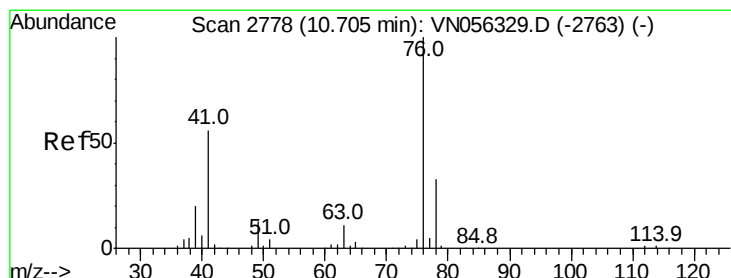
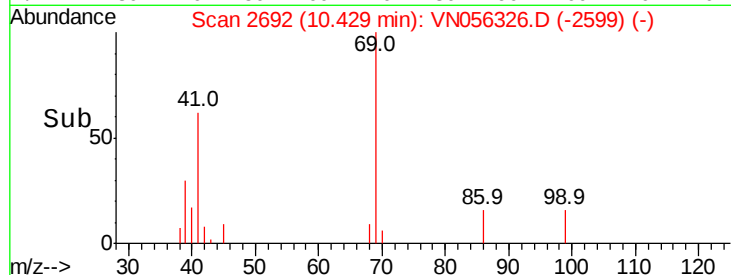
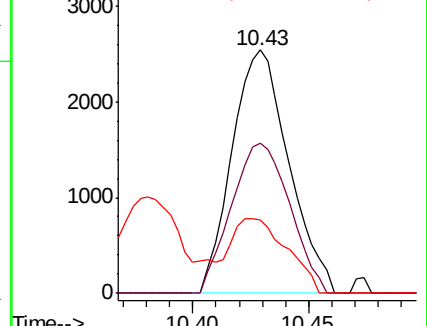
39 30.9 24.4 36.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#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

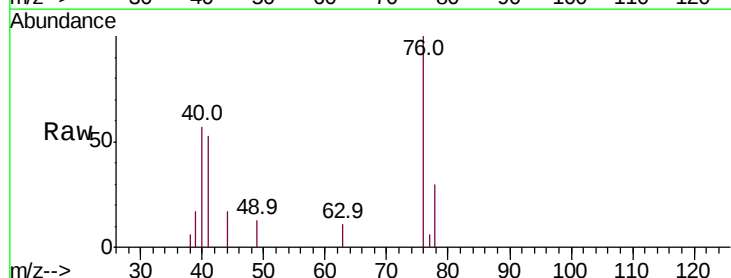
Acq: 17 Jun 2019 8:51

Tgt Ion: 76 Resp: 6336

Ion Ratio Lower Upper

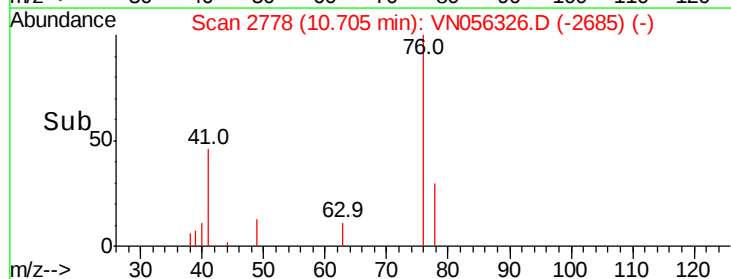
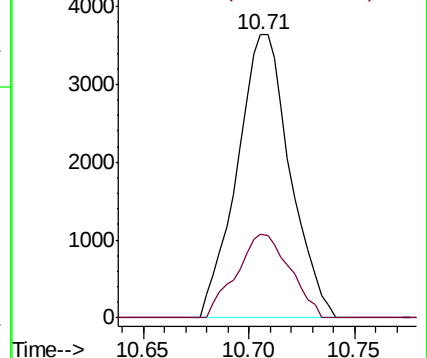
76 100

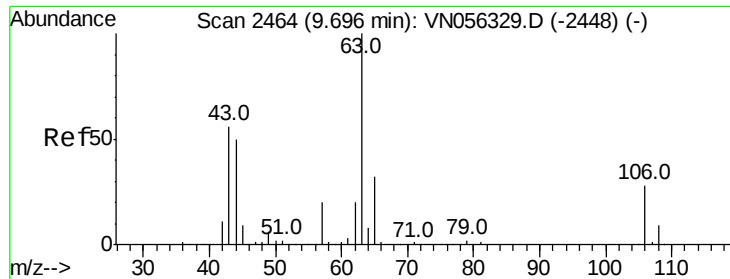
78 29.9 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

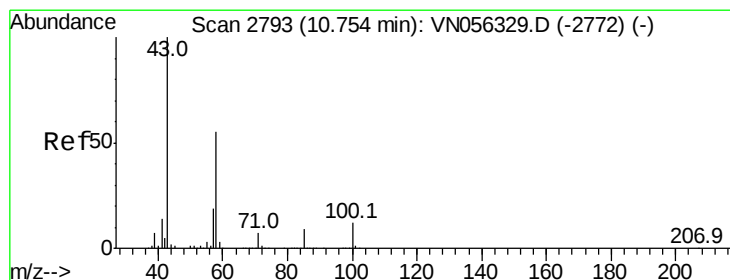
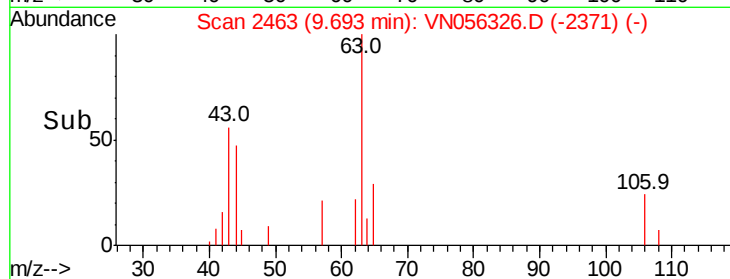
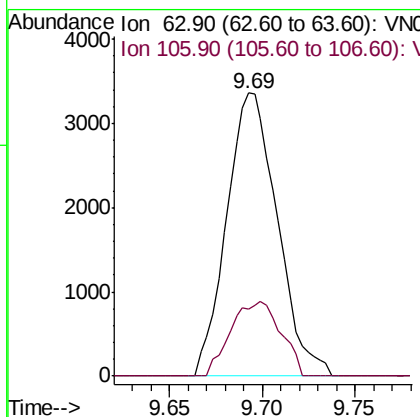
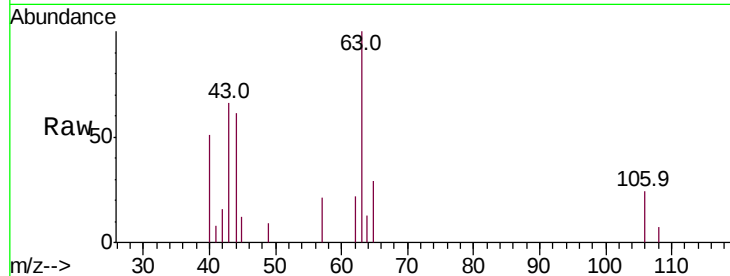




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.865 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

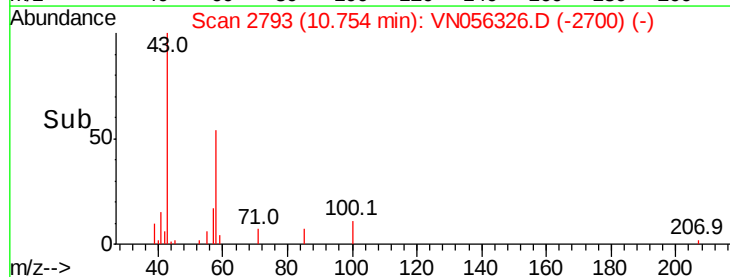
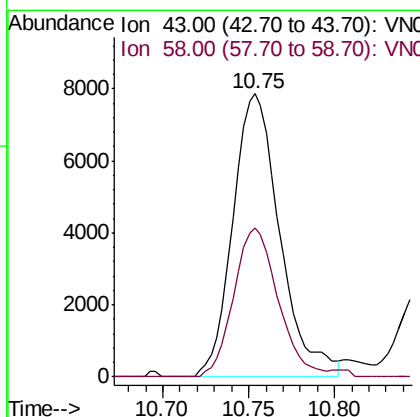
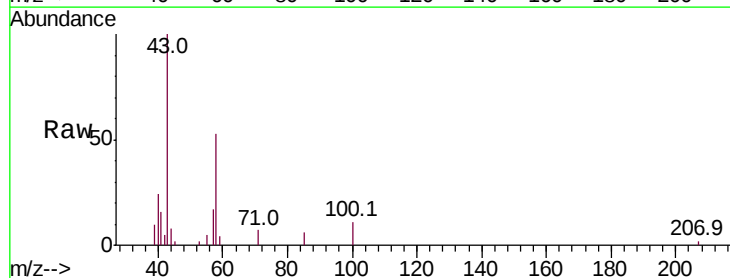
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

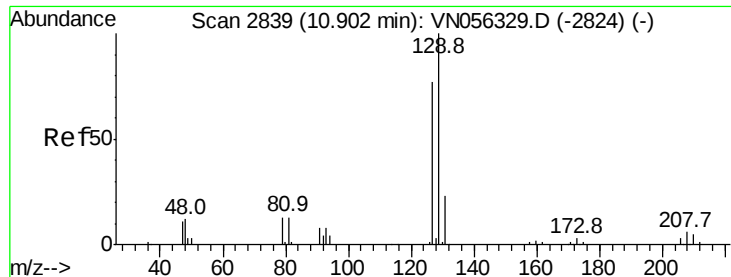
Tot Ion: 63 Resp: 6367
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.2 33.2



#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

Tgt 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

Instrument :

MSVOA_N

ClientSampleId :

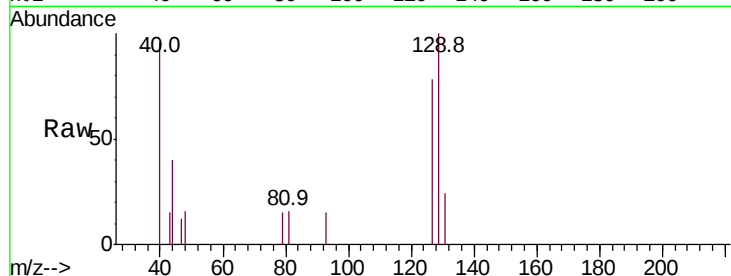
VSTDIC001

Tot Ion:129 Resp: 3386

Ion Ratio Lower Upper

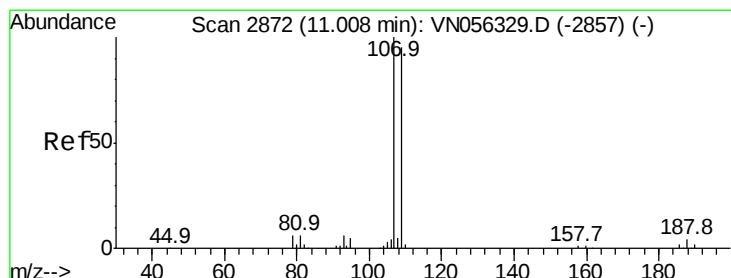
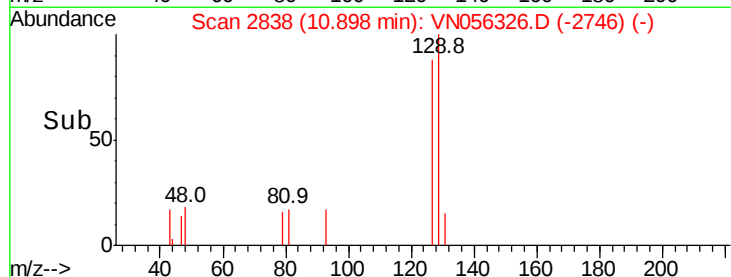
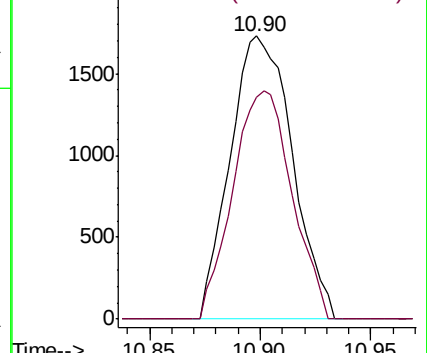
129 100

127 76.7 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#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

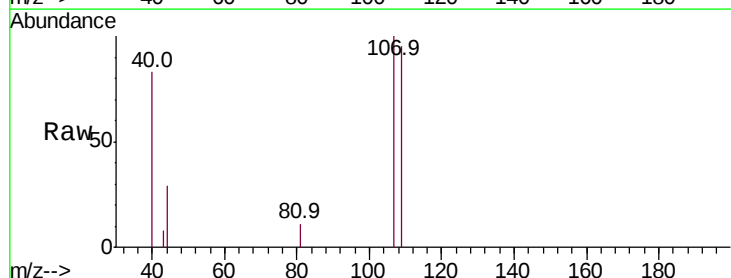
Acq: 17 Jun 2019 8:51

Tgt Ion:107 Resp: 3432

Ion Ratio Lower Upper

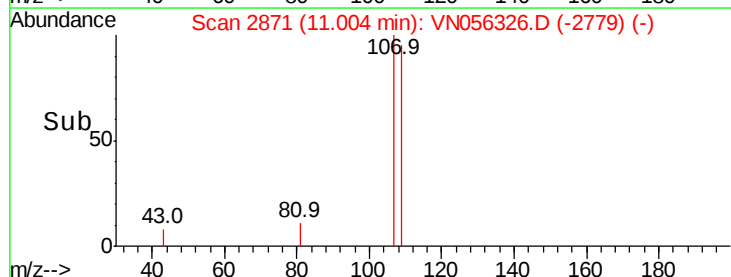
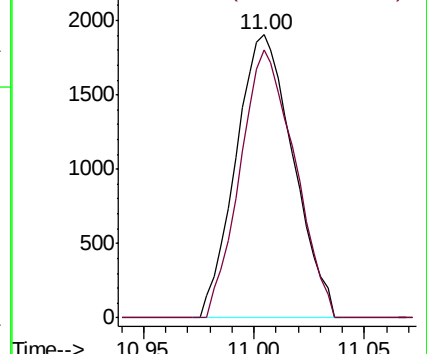
107 100

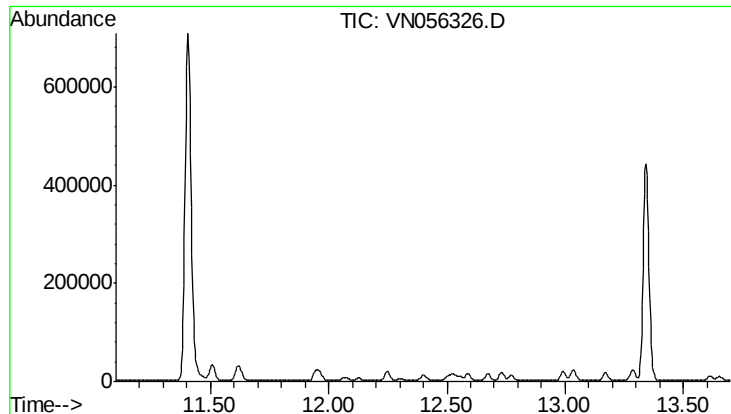
109 90.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

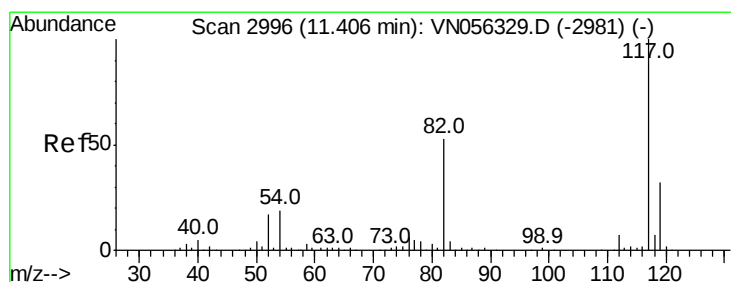
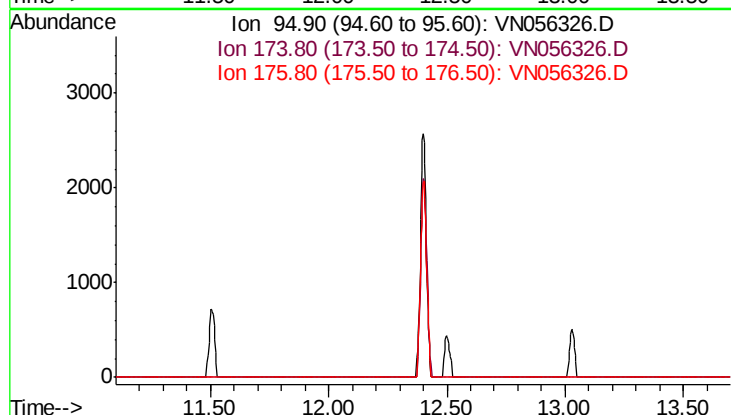
Tot Ion: 95

Sig Exp Ratio

95 100

174 91.3

176 88.4



#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

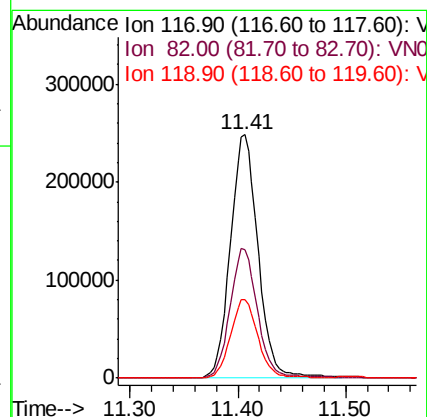
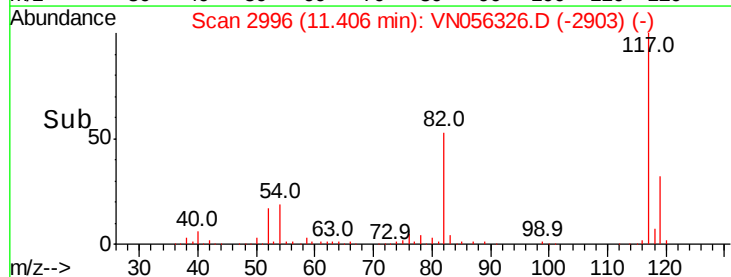
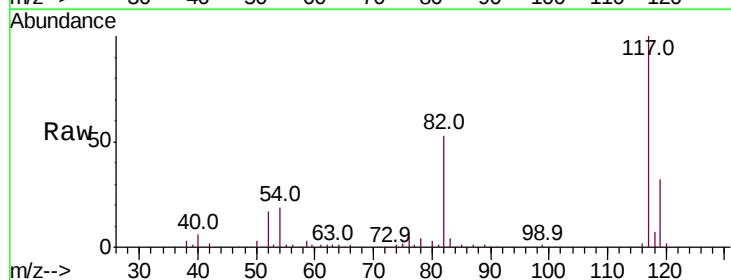
Tgt Ion: 117 Resp: 445459

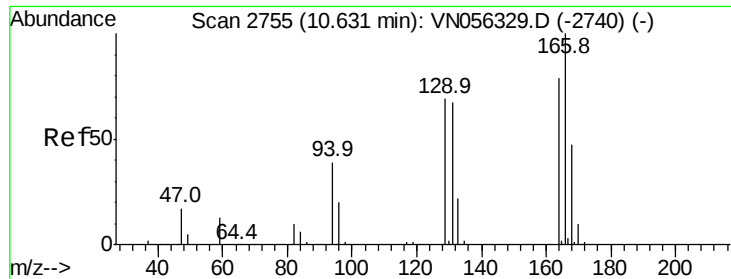
Ion Ratio Lower Upper

117 100

82 52.9 42.4 63.6

119 32.3 26.0 39.0

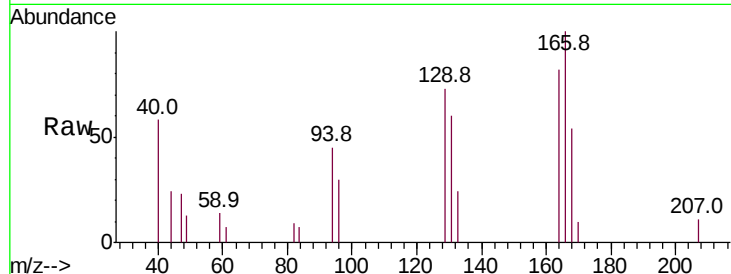




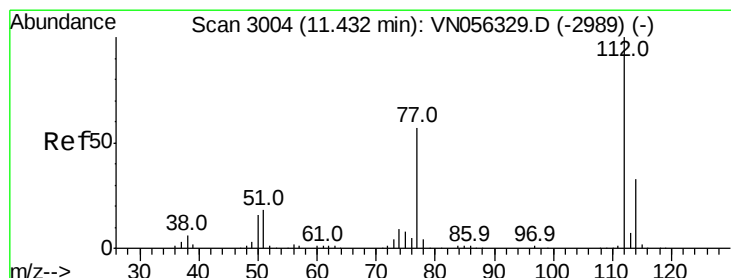
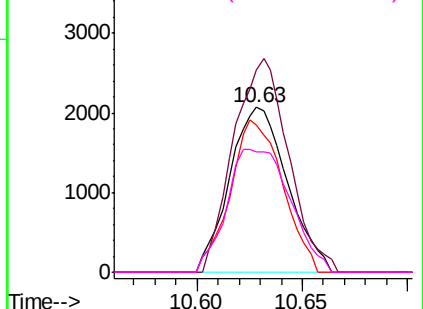
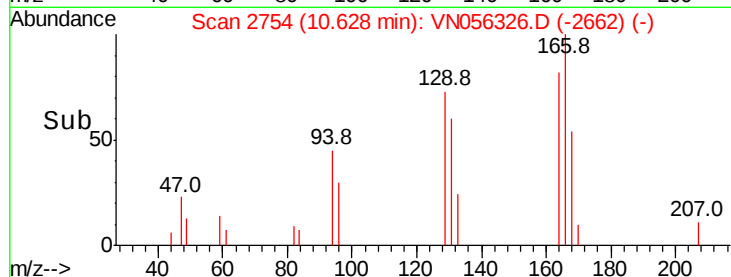
#64
Tetrachloroethene
Concen: 0.839 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot 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

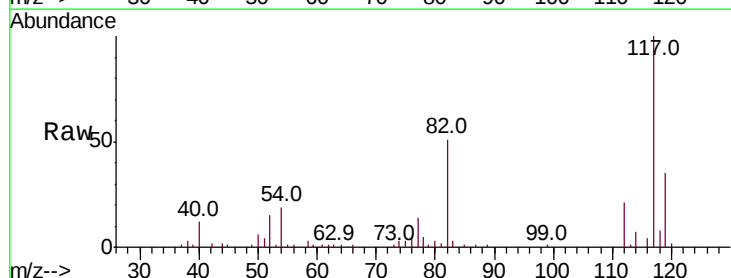


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

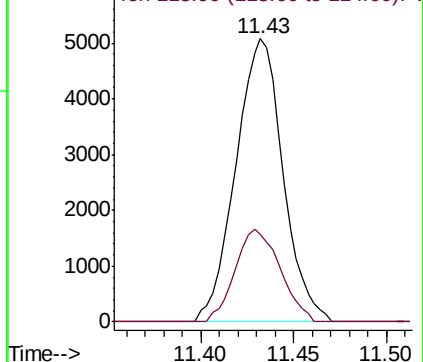
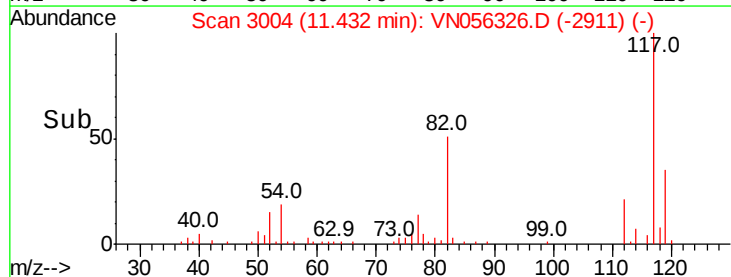


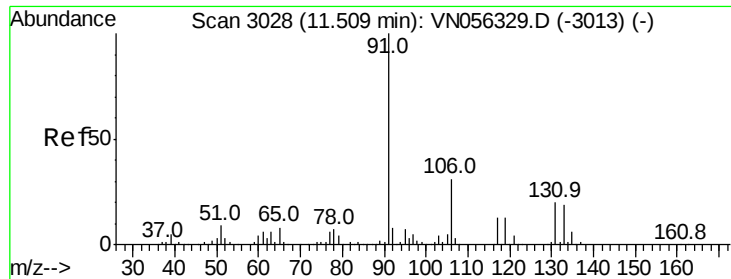
#65
Chlorobenzene
Concen: 0.800 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Tgt 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

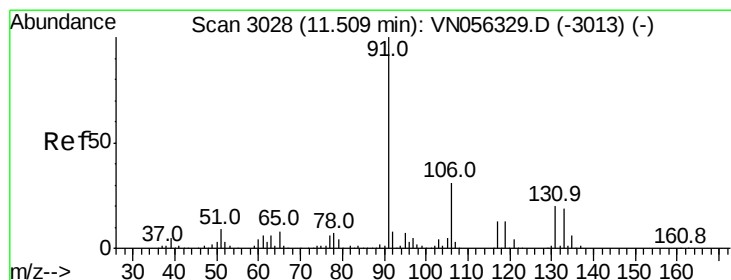
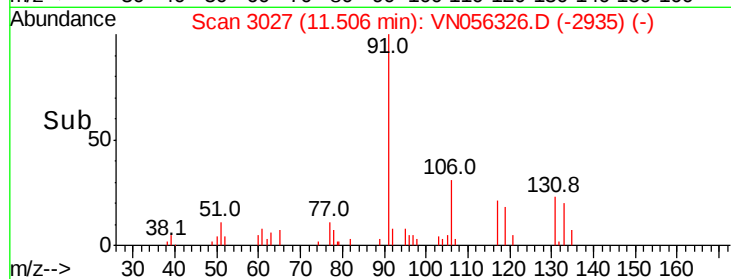
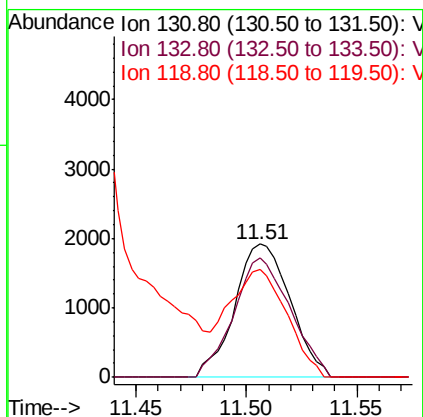
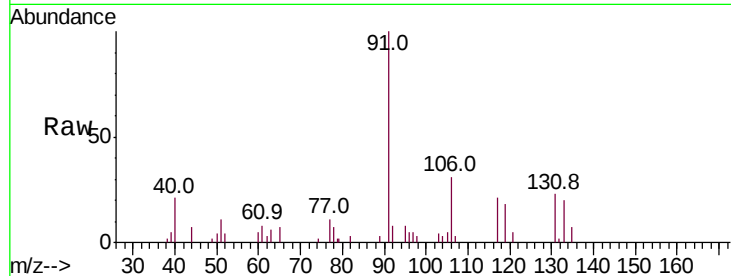




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.851 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

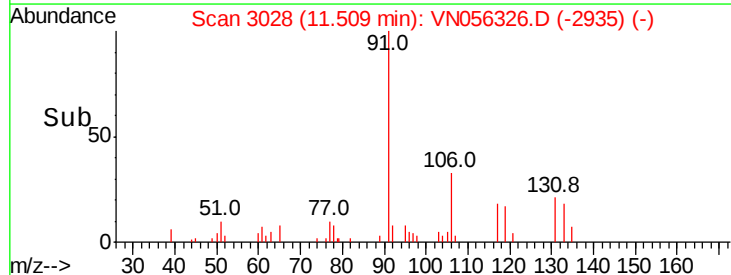
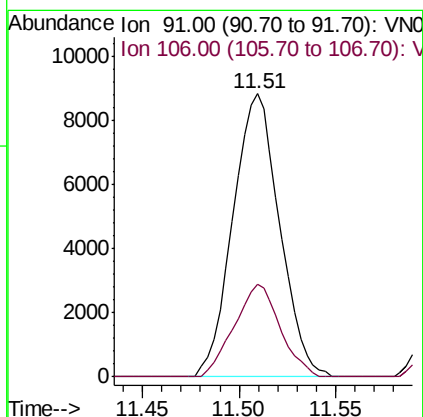
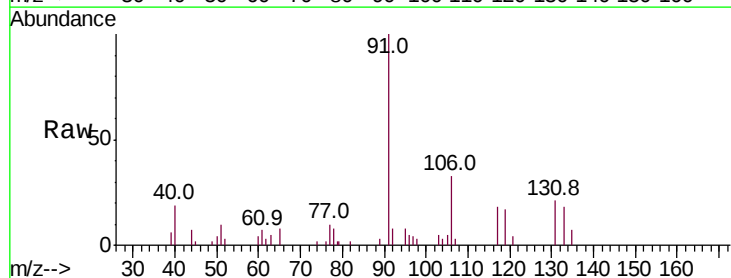
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

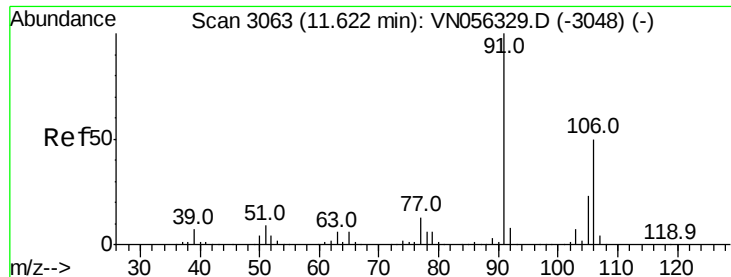
Tot Ion:131 Resp: 3360
 Ion Ratio Lower Upper
 131 100
 133 91.1 47.9 143.7
 119 0.0 33.5 100.5#



#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

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

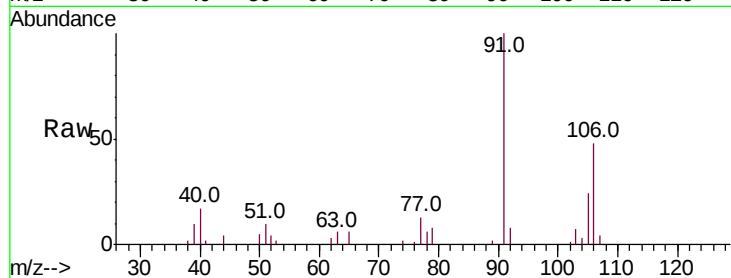




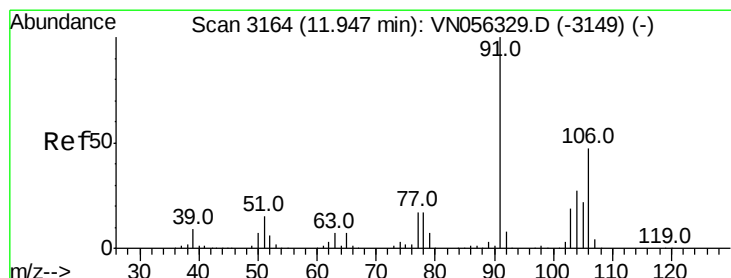
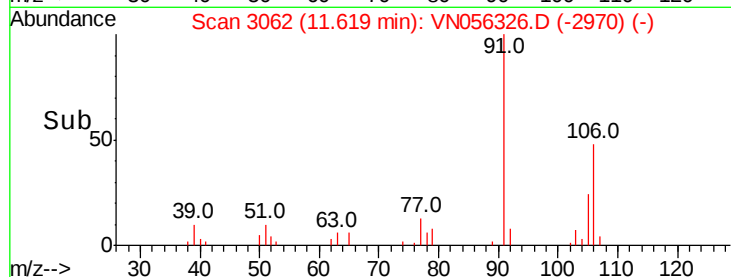
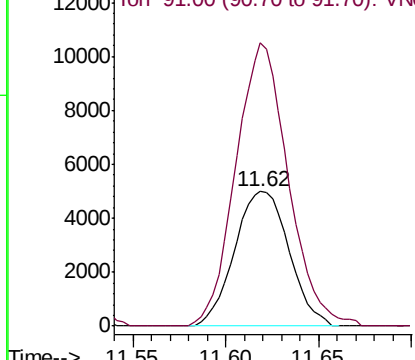
#68
m/p-Xylenes
Concen: 1.371 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

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

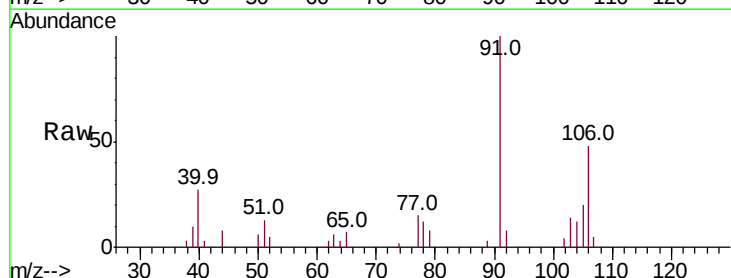


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

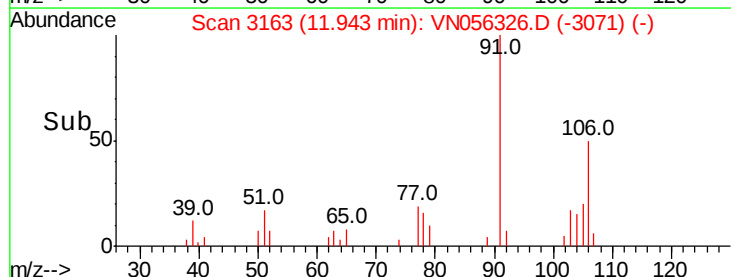
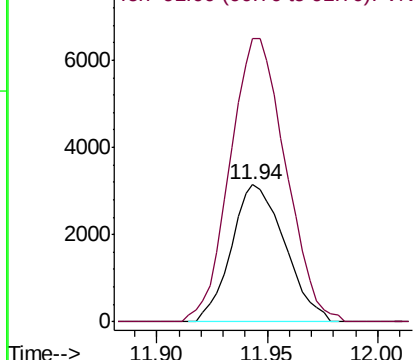


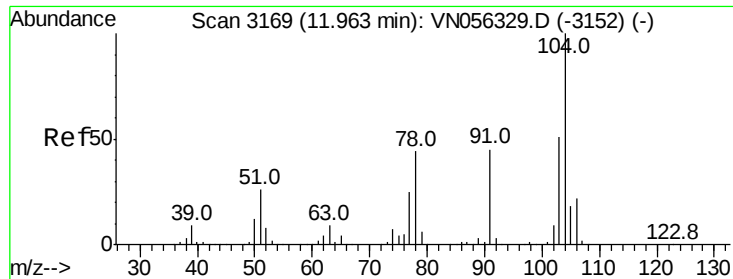
#69
o-Xylene
Concen: 0.723 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

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



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

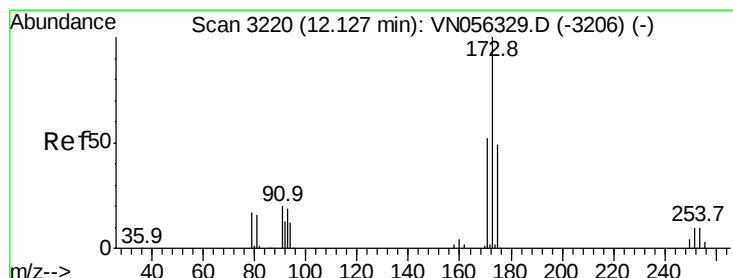
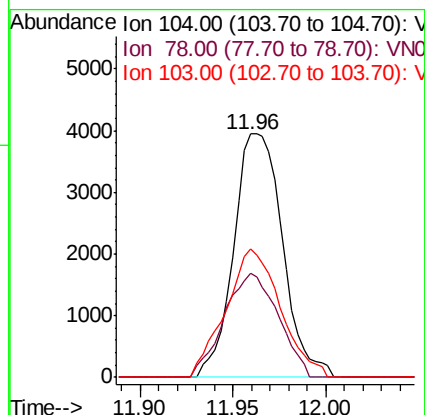
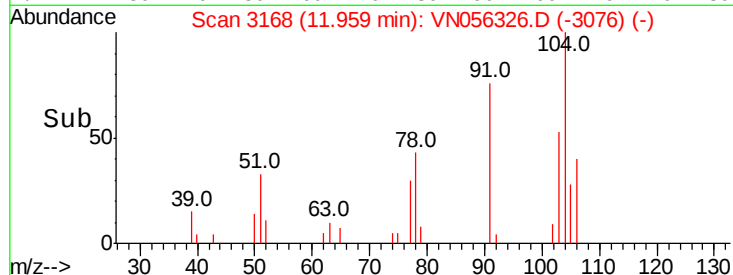
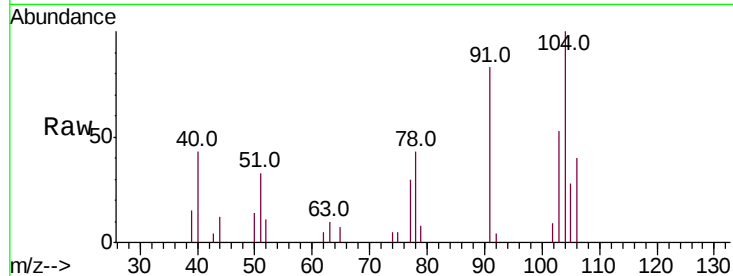




#70
Stvrene
Concen: 0.610 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

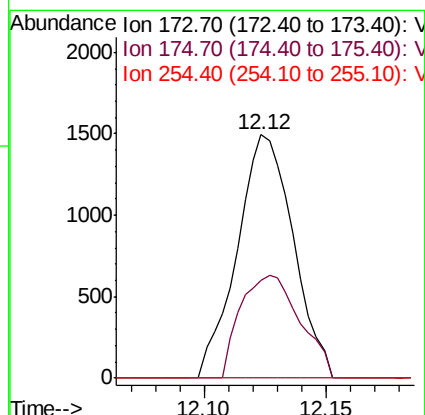
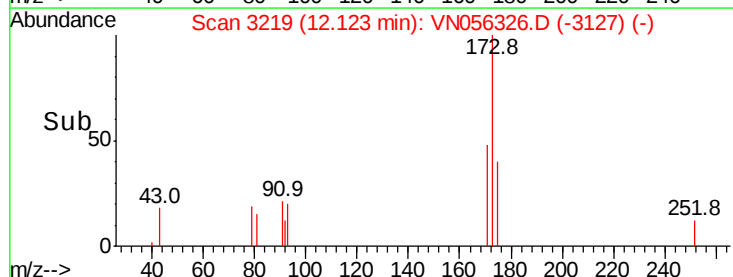
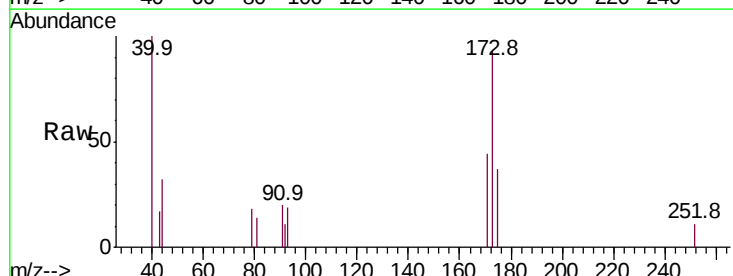
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

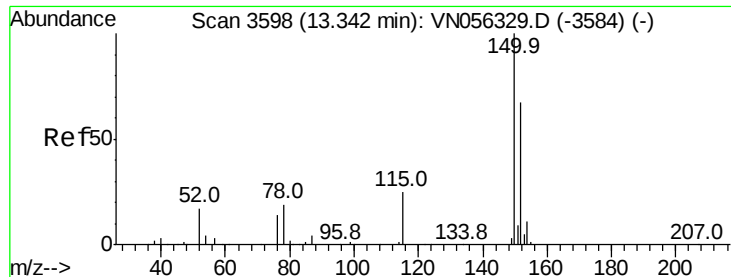
Tot Ion:104 Resp: 7249
Ion Ratio Lower Upper
104 100
78 47.2 38.4 57.6
103 58.9 44.0 66.0



#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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056326.D

Acq: 17 Jun 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

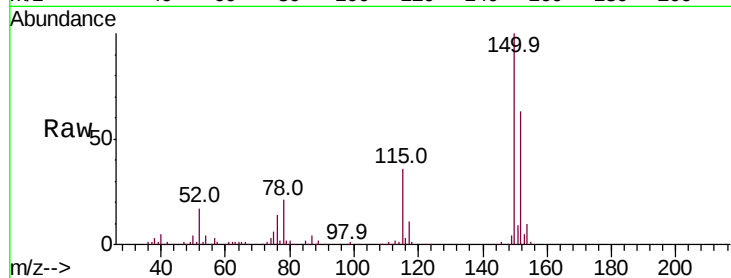
Tot Ion:152 Resp: 130269

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

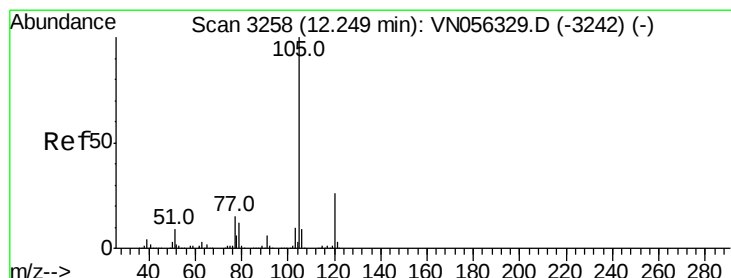
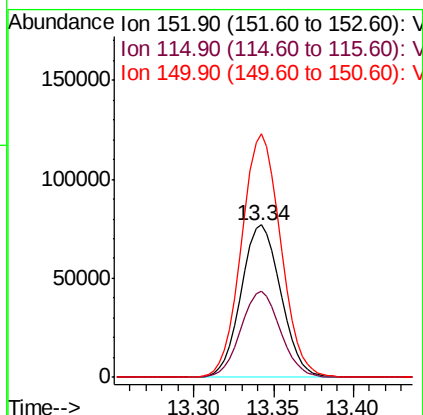
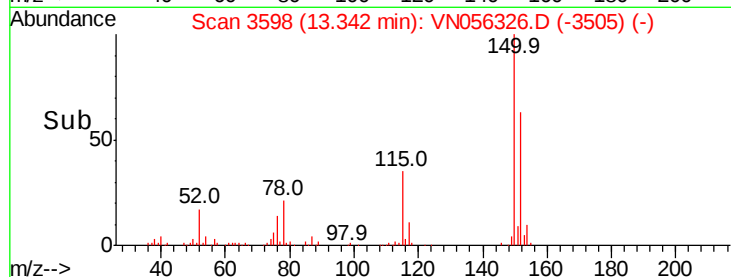
150 158.1 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

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

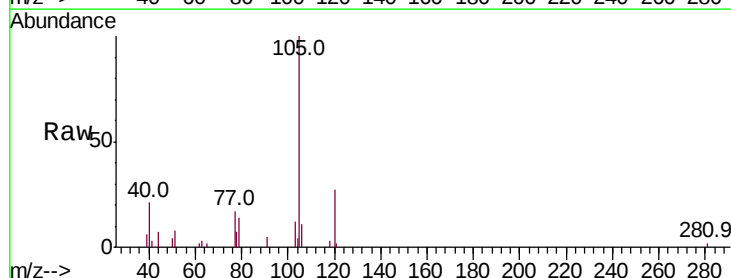
Acq: 17 Jun 2019 8:51

Tgt Ion:105 Resp: 12588

Ion Ratio Lower Upper

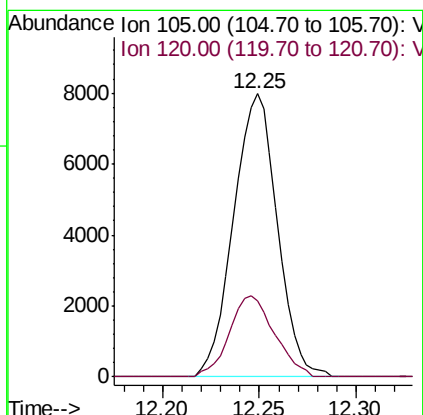
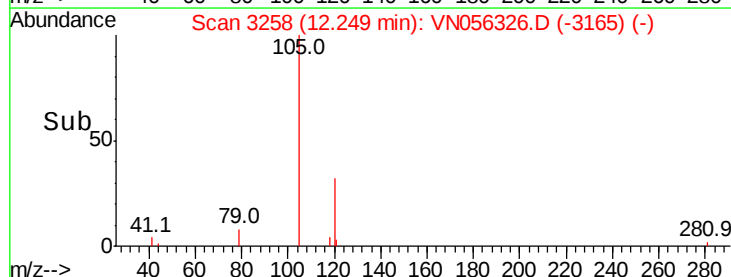
105 100

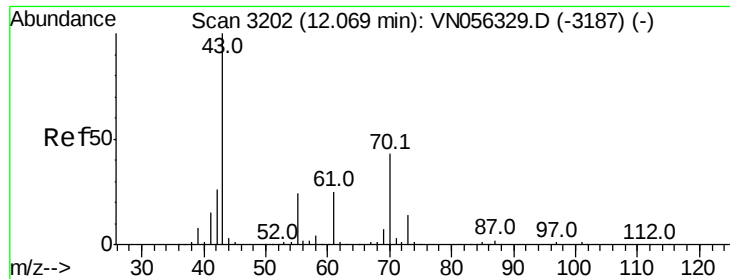
120 29.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl 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

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 4809

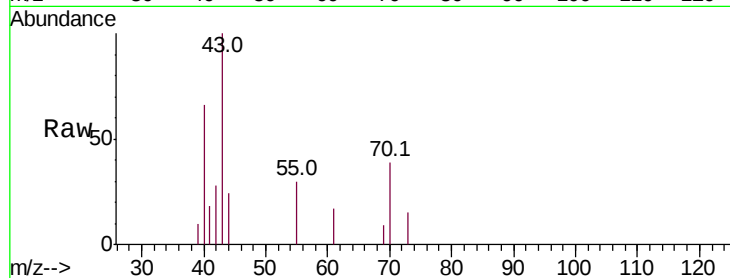
Ion Ratio Lower Upper

43 100

70 33.6 34.2 51.2#

55 23.0 19.9 29.9

61 17.3 19.7 29.5#

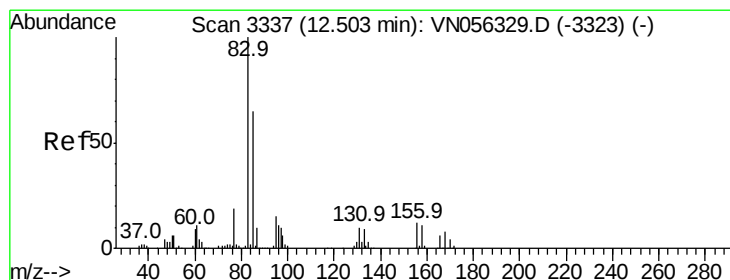
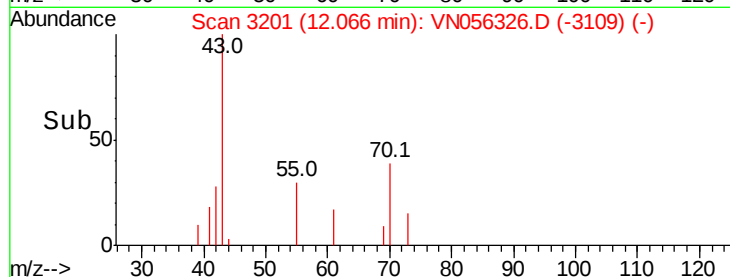
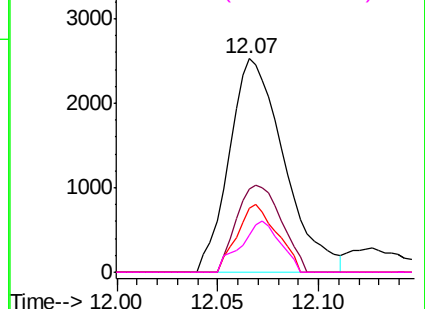


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#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

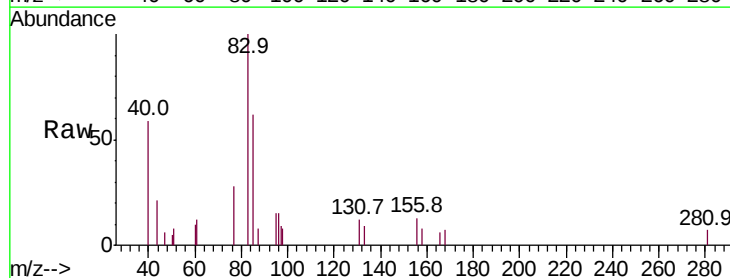
Tgt Ion: 83 Resp: 4664

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

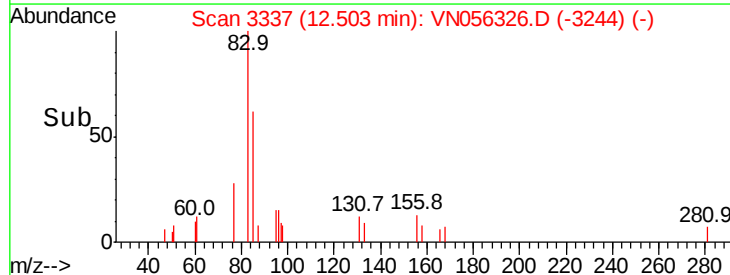
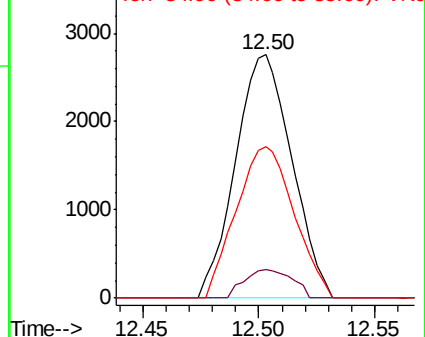
85 63.9 32.2 96.6

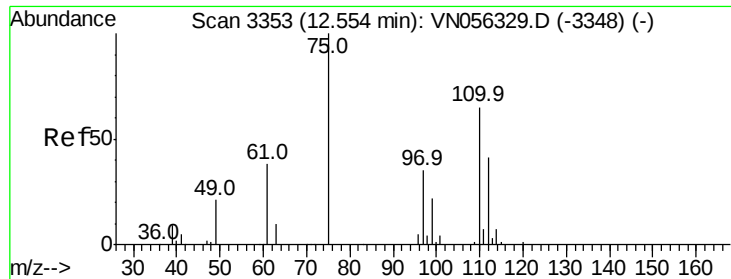


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO

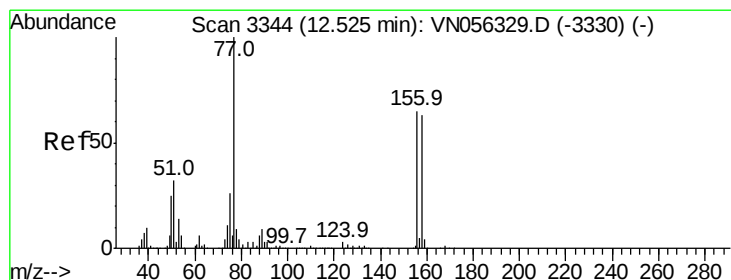
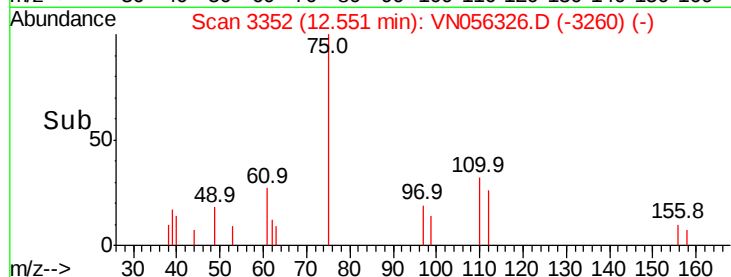
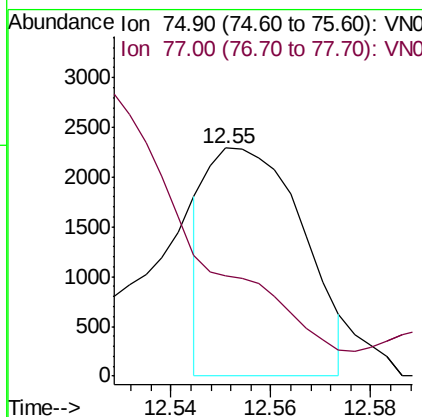
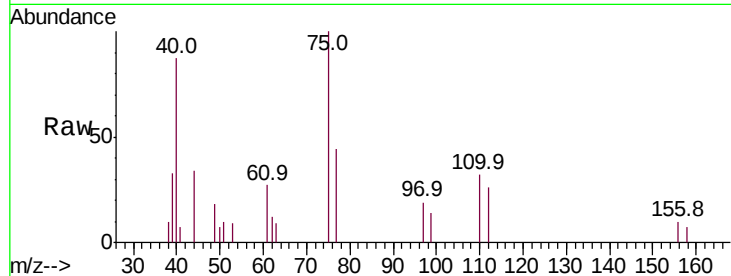




#76
 1,2,3-Trichloropropane
 Concen: 0.968 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

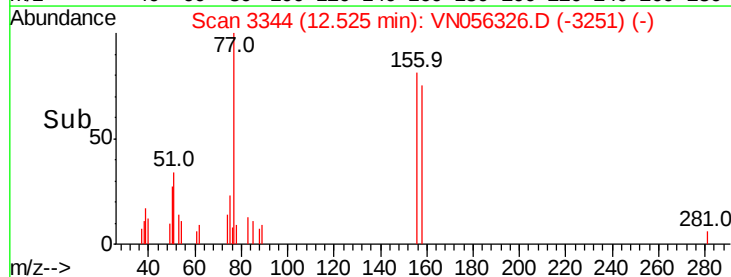
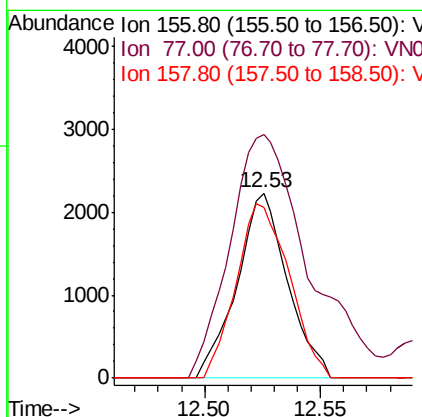
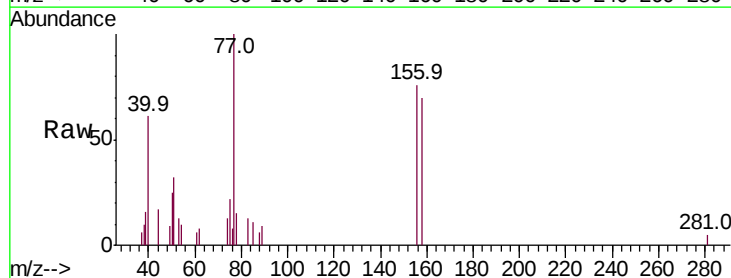
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

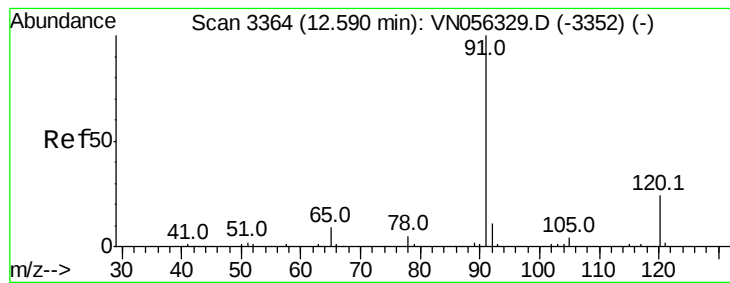
Tot Ion: 75 Resp: 3044
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#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

Tgt Ion: 156 Resp: 3393
 Ion Ratio Lower Upper
 156 100
 77 204.0 92.9 278.7
 158 98.8 49.0 147.2





#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

Instrument :

MSVOA_N

ClientSampleId :

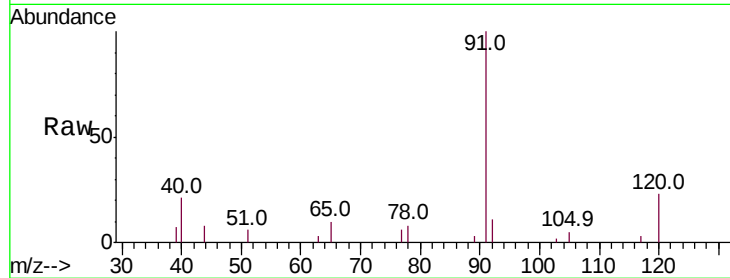
VSTDIC001

Tot Ion: 91 Resp: 12552

Ion Ratio Lower Upper

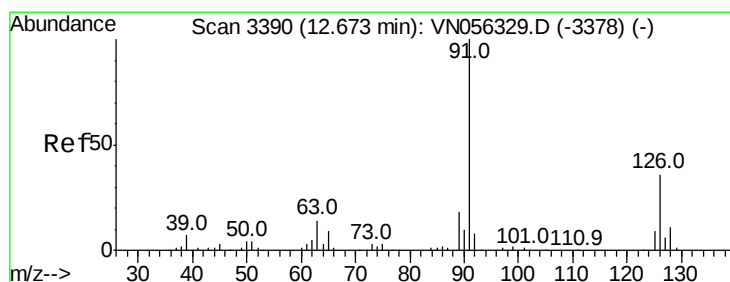
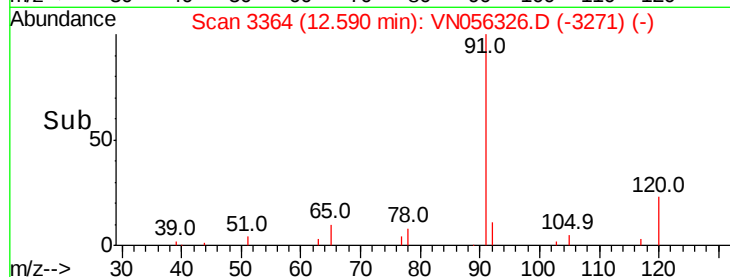
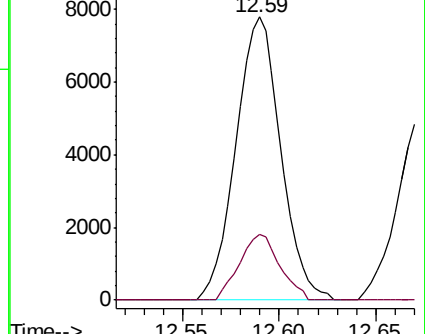
91 100

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

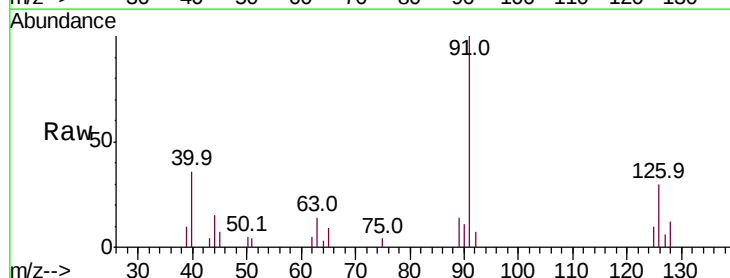
Acq: 17 Jun 2019 8:51

Tgt Ion: 91 Resp: 8594

Ion Ratio Lower Upper

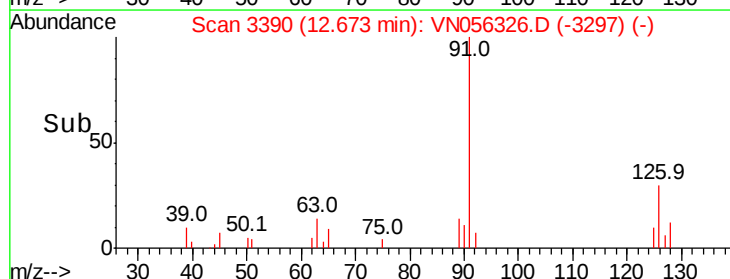
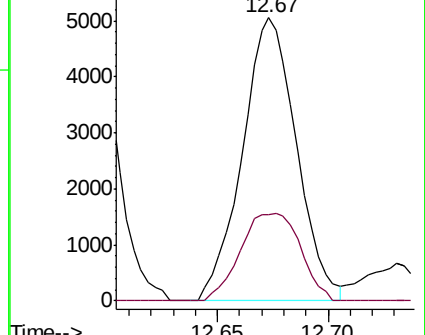
91 100

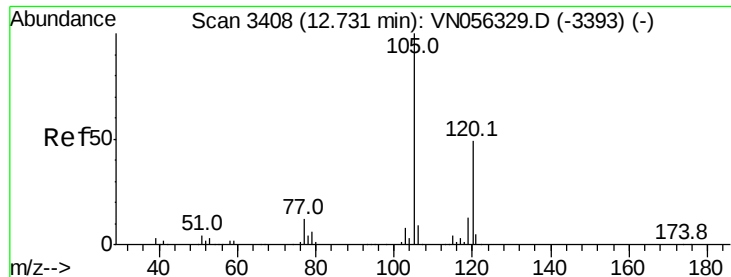
126 34.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

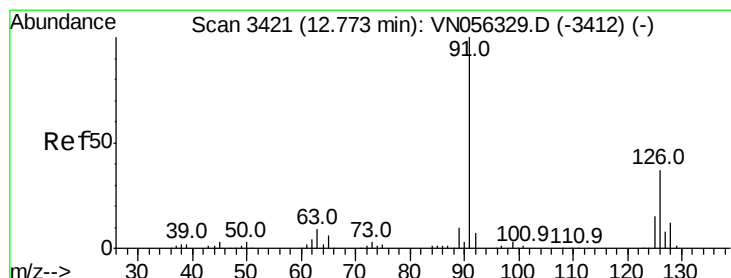
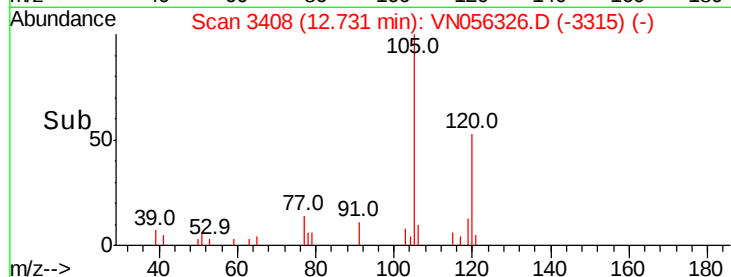
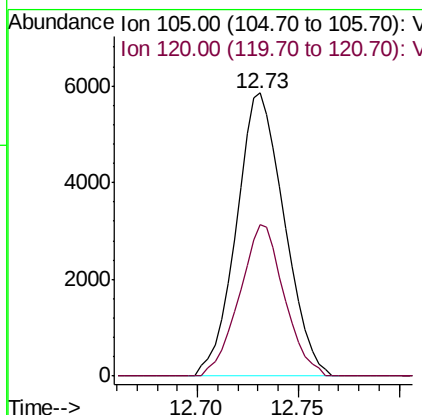
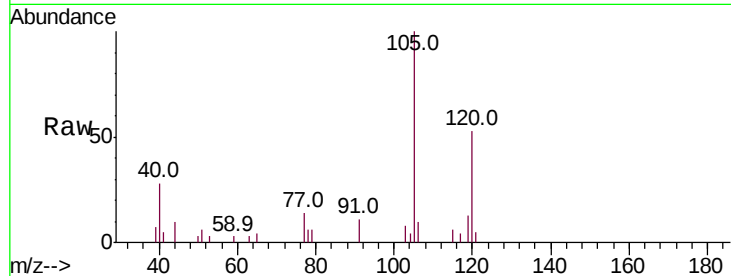




#80
1,3,5-Trimethylbenzene
Concen: 0.884 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

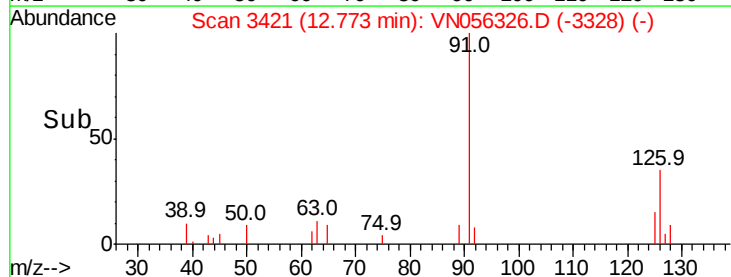
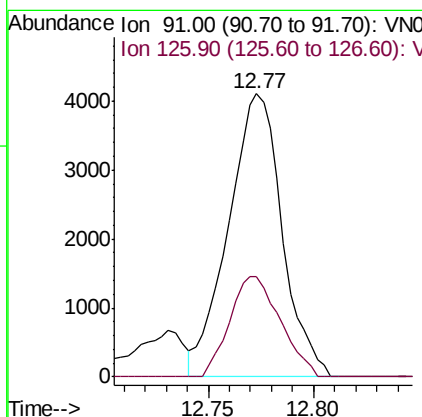
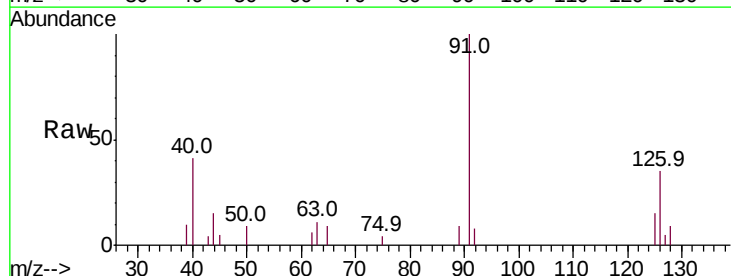
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

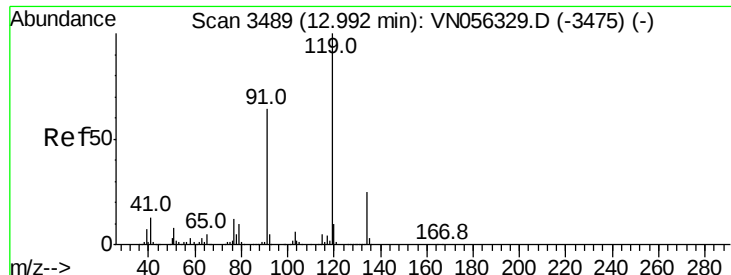
Tot Ion:105 Resp: 9732
Ion Ratio Lower Upper
105 100
120 49.9 24.4 73.4



#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 :

VSTDIC001

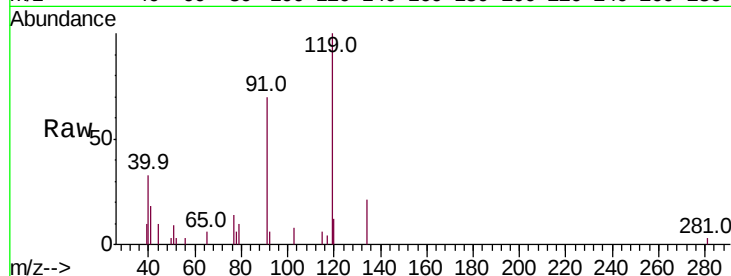
Tot Ion:119 Resp: 9471

Ion Ratio Lower Upper

119 100

91 66.3 31.5 94.5

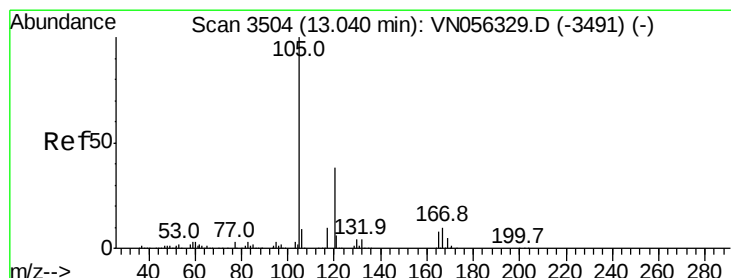
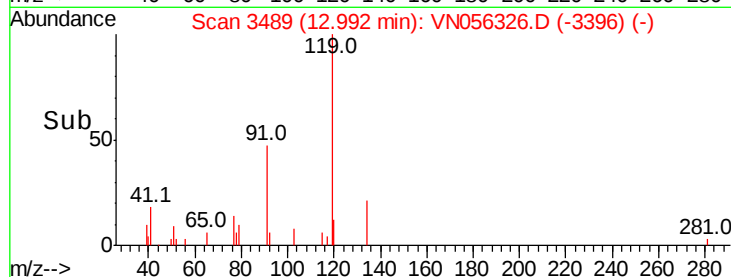
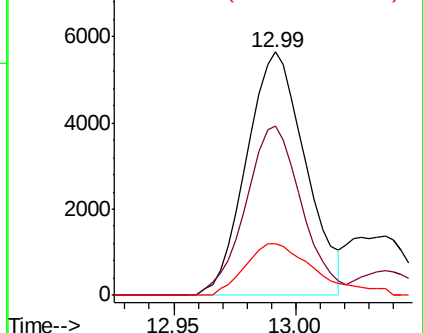
134 25.2 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

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

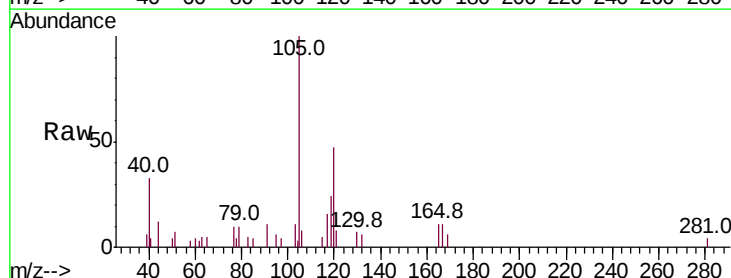
Acq: 17 Jun 2019 8:51

Tgt Ion:105 Resp: 8269

Ion Ratio Lower Upper

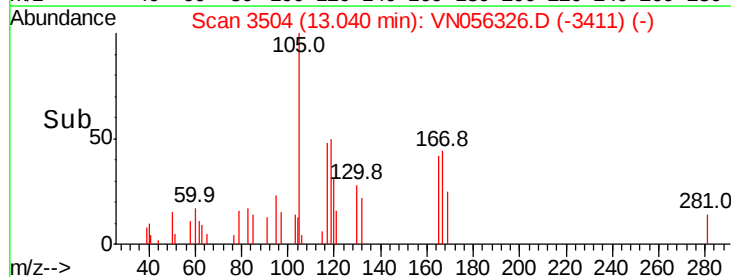
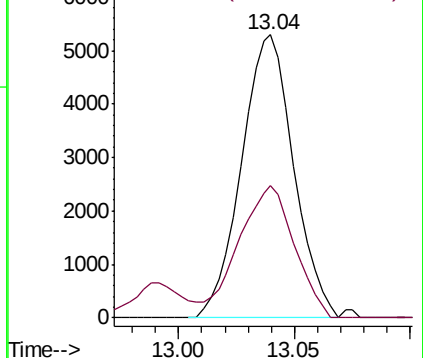
105 100

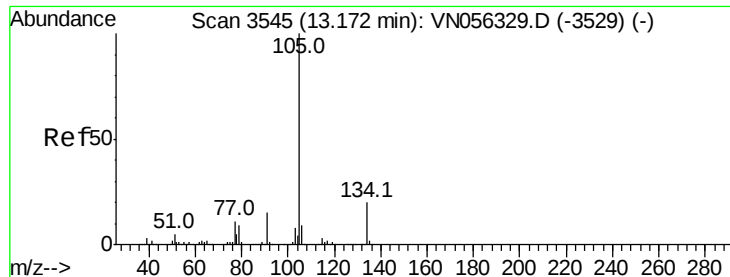
120 50.2 23.1 69.2



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 :

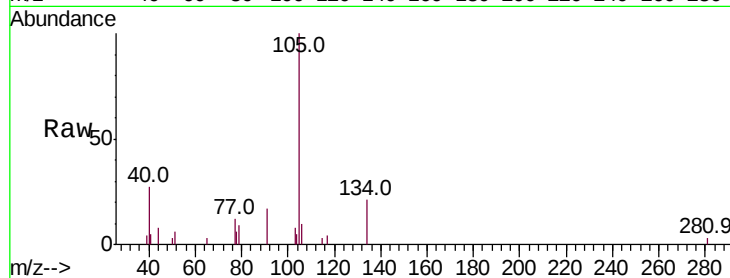
VSTDIC001

Tot Ion:105 Resp: 11181

Ion Ratio Lower Upper

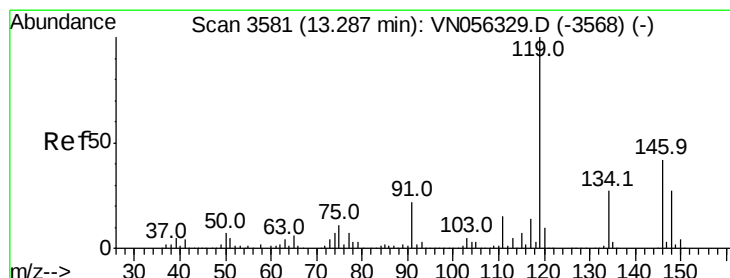
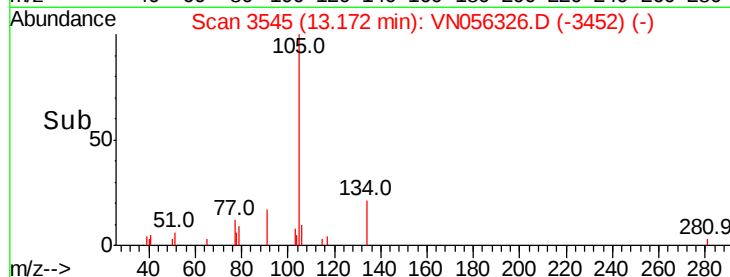
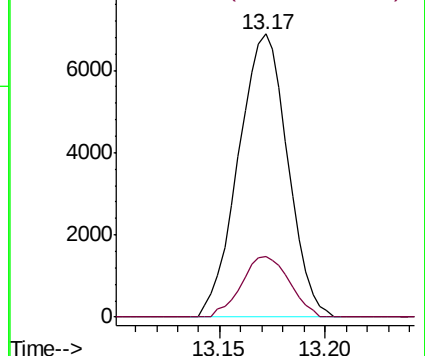
105 100

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



#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

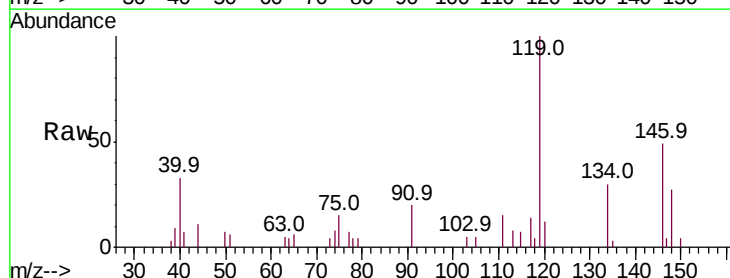
Tgt Ion:119 Resp: 8715

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

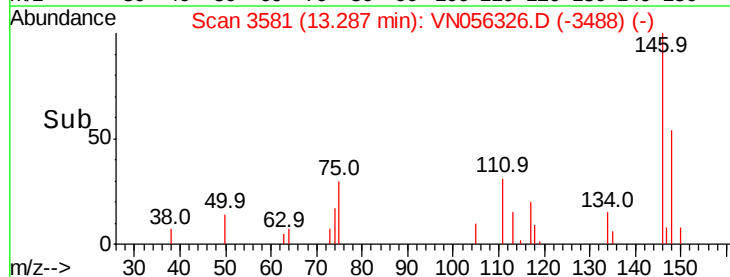
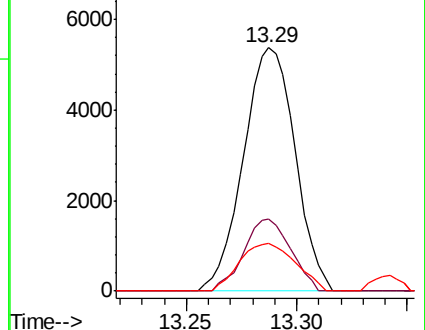
91 21.3 11.0 33.0

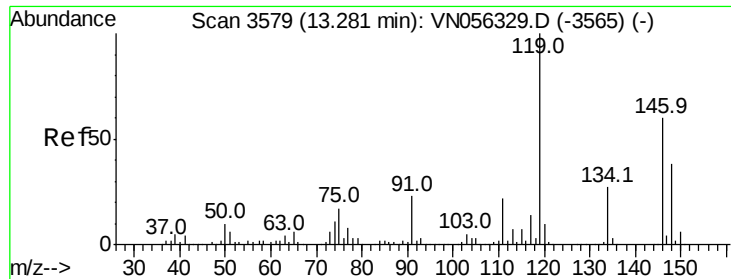


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

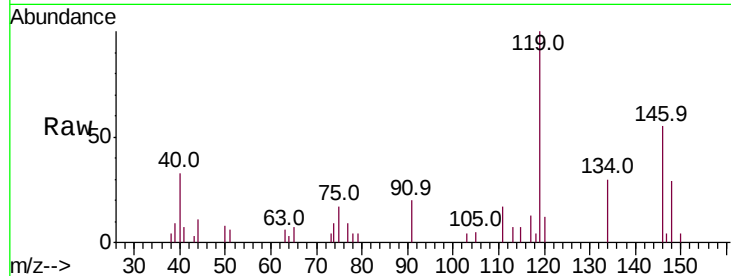




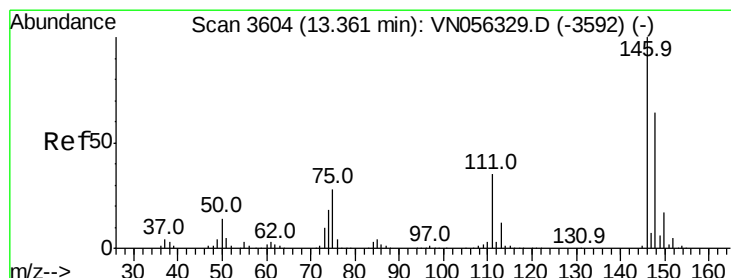
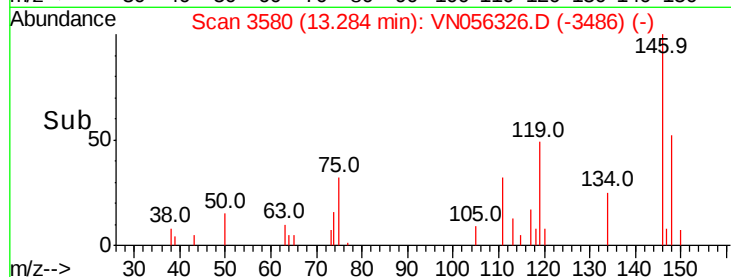
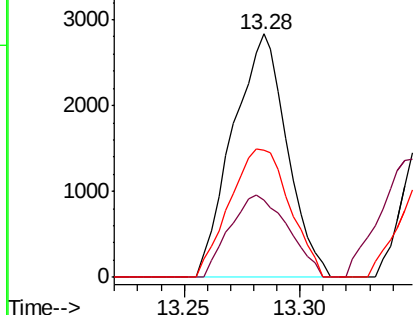
#87
 1,3-Dichlorobenzene
 Concen: 0.847 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

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

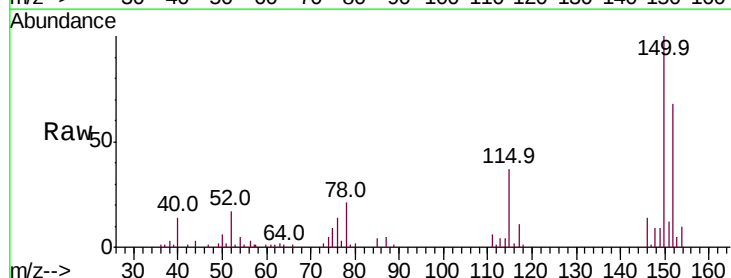


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

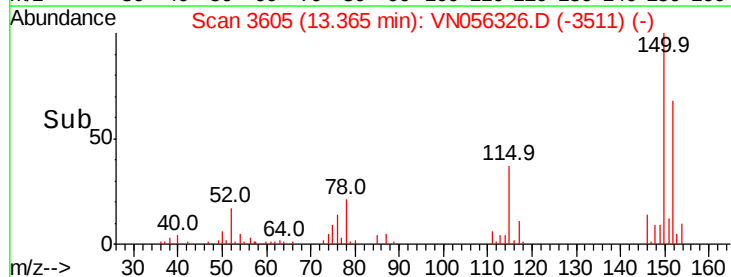
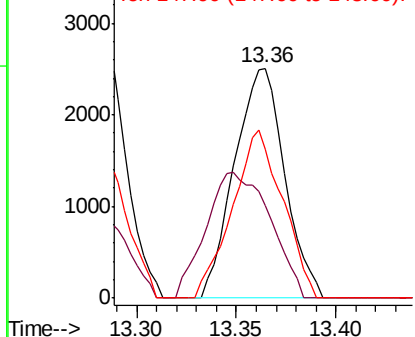


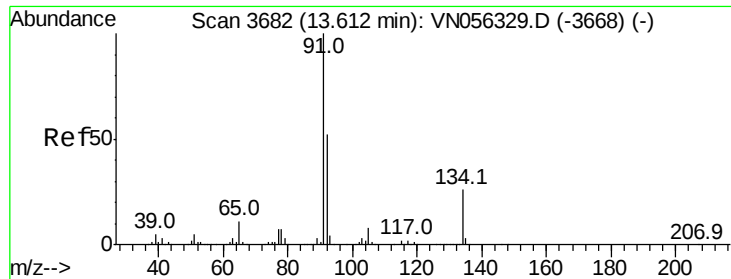
#88
 1,4-Dichlorobenzene
 Concen: 0.836 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

Tgt Ion:146 Resp: 4388
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.1 54.1
 148 61.3 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

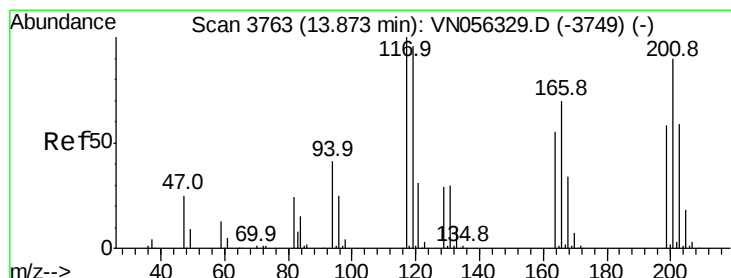
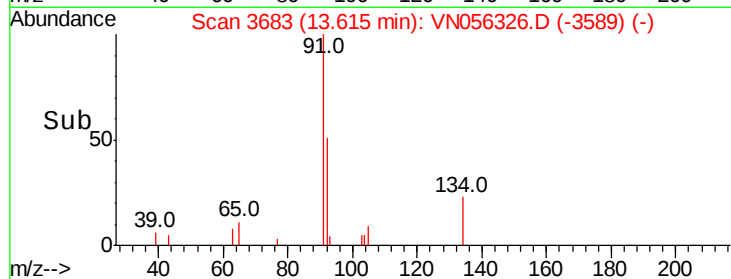
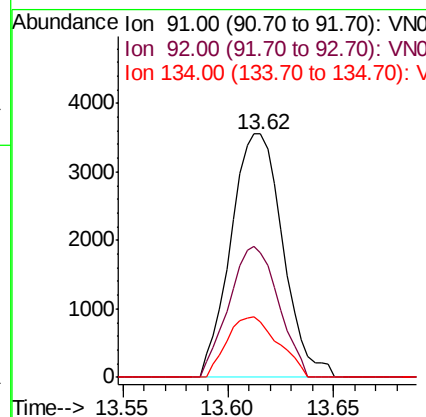
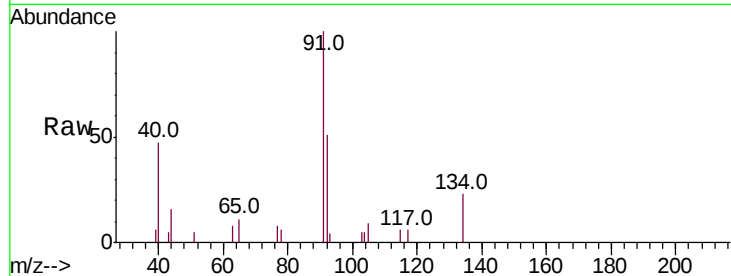




#89
n-Butylbenzene
Concen: 0.736 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN056326.D
Acq: 17 Jun 2019 8:51

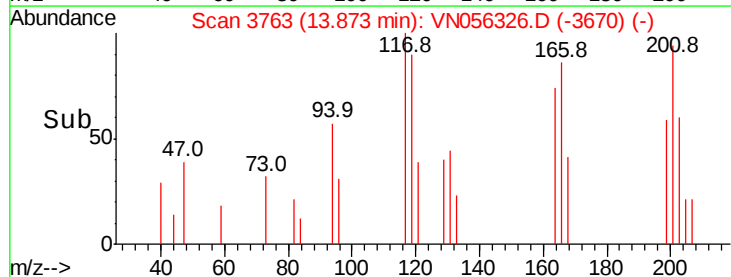
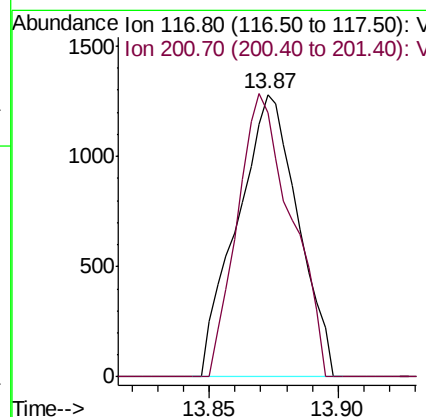
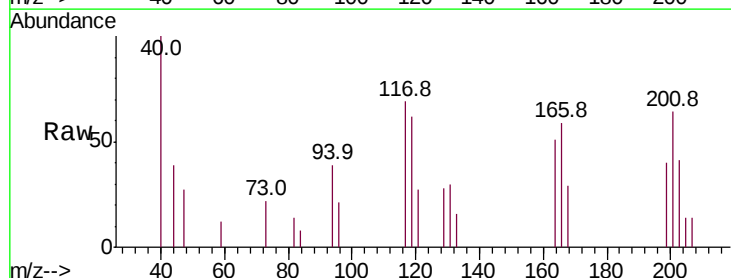
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

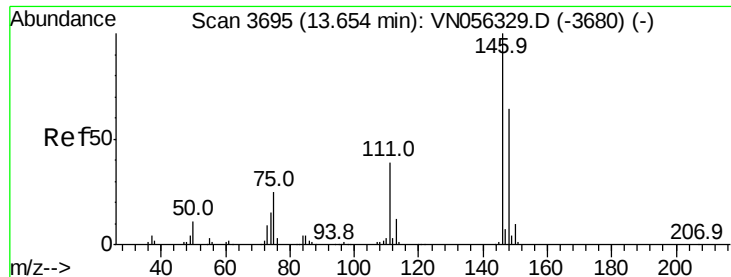
Tot Ion: 91 Resp: 6080
Ion Ratio Lower Upper
91 100
92 51.2 26.0 78.0
134 24.4 13.2 39.5



#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





#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

ClientSampled :

VSTDIC001

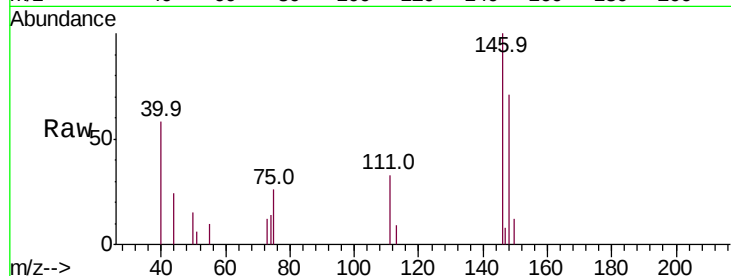
Tot Ion:146 Resp: 4254

Ion Ratio Lower Upper

146 100

111 35.8 19.4 58.2

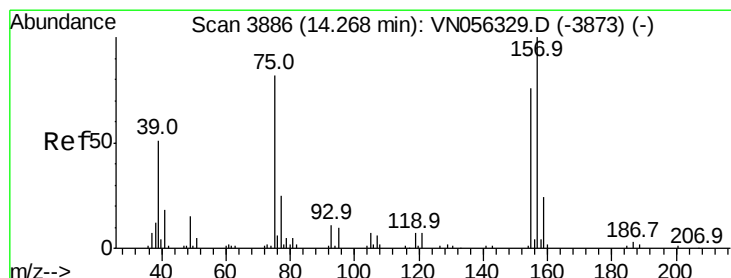
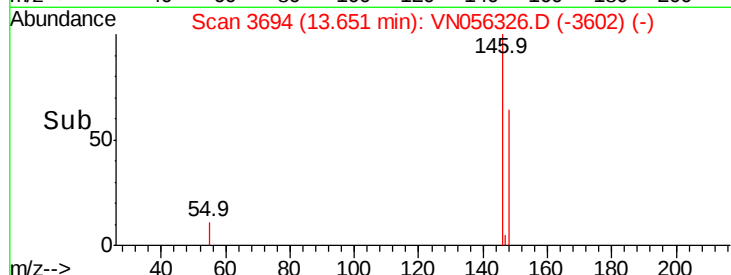
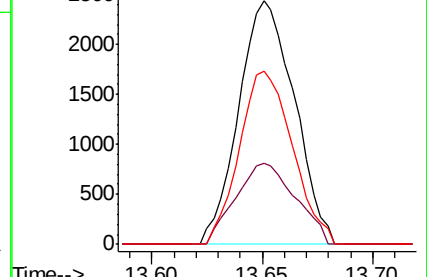
148 68.1 32.4 97.2



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



#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

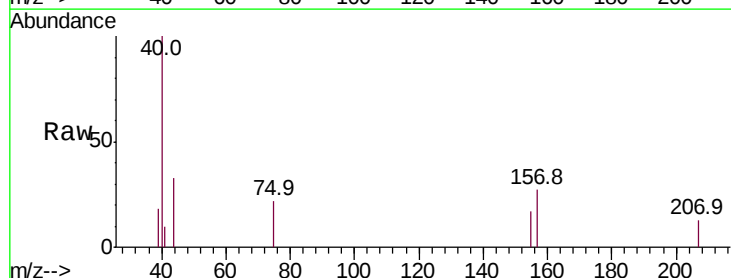
Tgt Ion: 75 Resp: 607

Ion Ratio Lower Upper

75 100

155 89.1 47.8 143.4

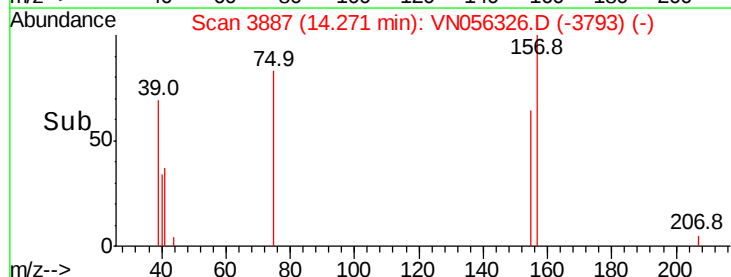
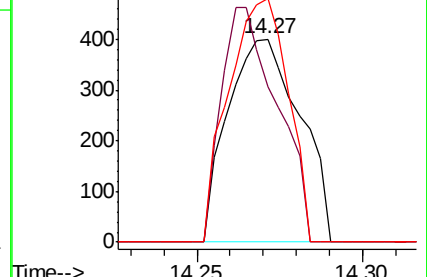
157 98.7 62.8 188.5

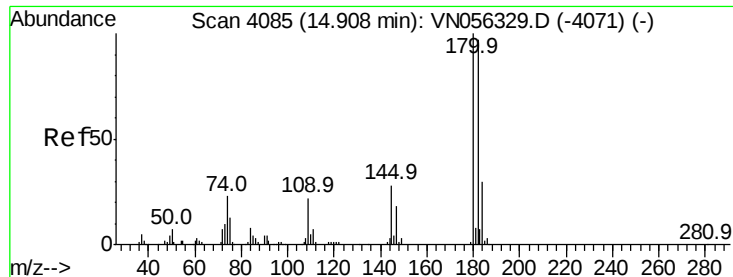


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

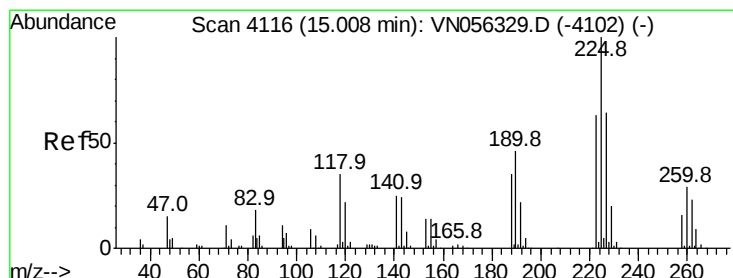
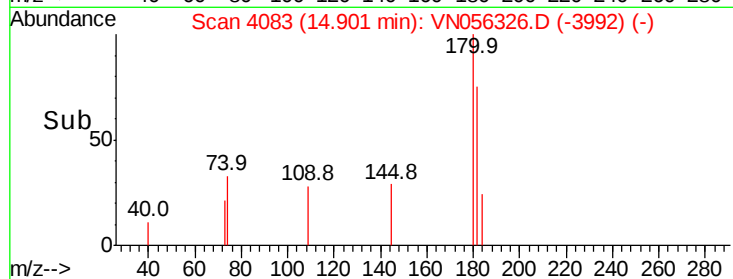
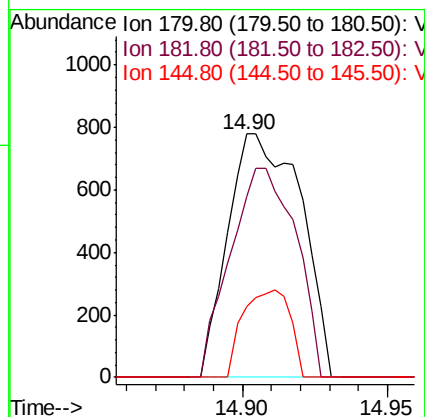
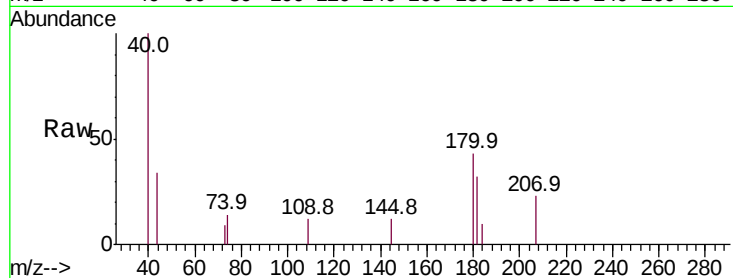




#93
 1,2,4-Trichlorobenzene
 Concen: 0.552 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN056326.D
 Acq: 17 Jun 2019 8:51

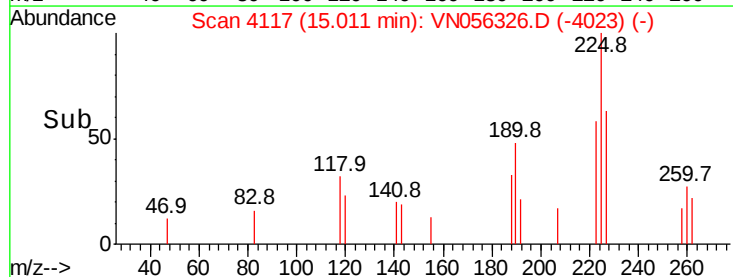
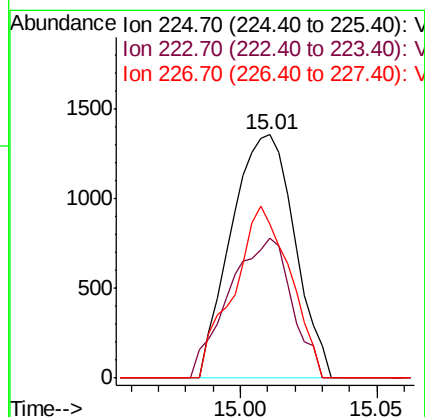
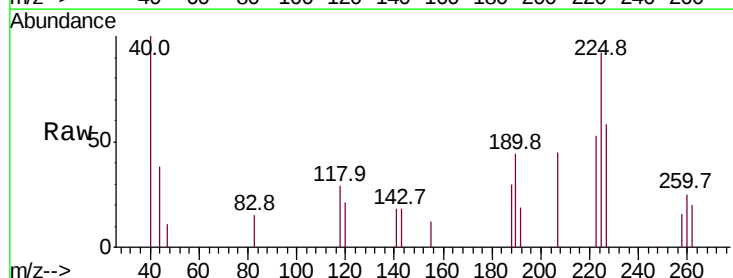
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

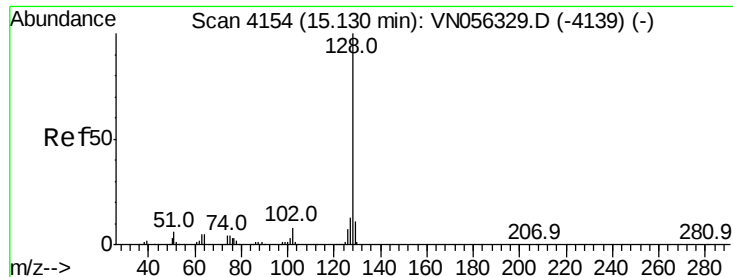
Tot Ion:180 Resp: 1360
 Ion Ratio Lower Upper
 180 100
 182 77.1 47.4 142.3
 145 23.2 14.0 41.9



#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





#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 :

VSTDIC001

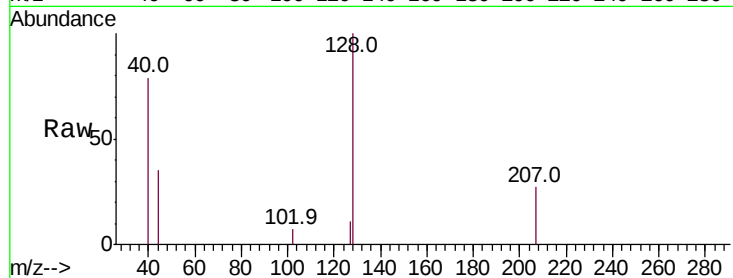
Tot Ion:128 Resp: 3761

Ion Ratio Lower Upper

128 100

127 6.8 10.6 15.8#

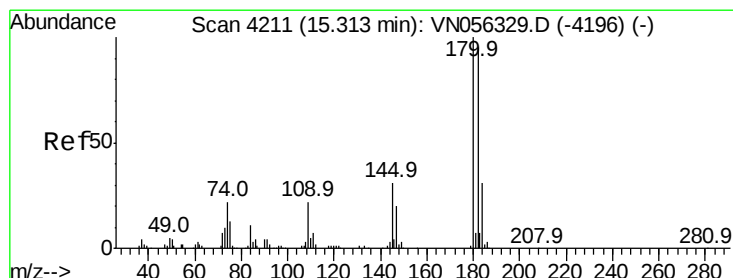
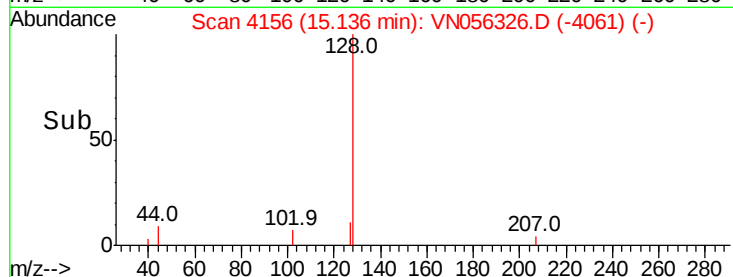
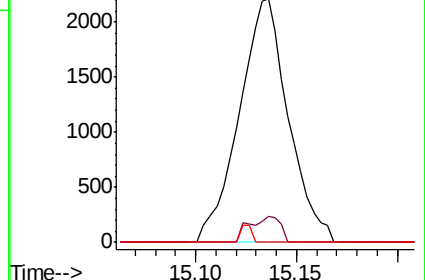
129 1.5 8.6 12.8#



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

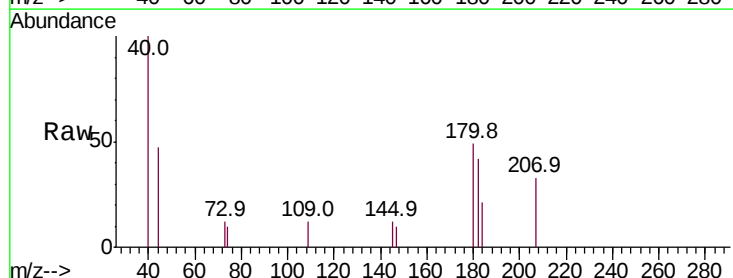
Tgt Ion:180 Resp: 1375

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

