

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056332.D
 Acq On : 17 Jun 2019 11:12
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061719

Quant Time: Jun 18 04:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	379328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	573504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223456	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	211801	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	185069	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.09	98	703268	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	243034	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	170722	51.191	ug/l	99
3) Chloromethane	2.06	50	226528	50.657	ug/l	99
4) Vinyl Chloride	2.18	62	218423	49.701	ug/l	99
5) Bromomethane	2.53	94	138483m	54.172	ug/l	
6) Chloroethane	2.68	64	124145	48.772	ug/l	99
7) Trichlorofluoromethane	3.00	101	270481	48.191	ug/l	100
8) Diethyl Ether	3.40	74	109405	49.145	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	170995	47.106	ug/l	99
10) Methyl Iodide	3.94	142	219504	47.251	ug/l	100
11) Tert butyl alcohol	4.82	59	170155m	253.527	ug/l	
12) 1,1-Dichloroethene	3.72	96	169593	48.177	ug/l	96
13) Acrolein	3.60	56	48491	252.421	ug/l	98
14) Allyl chloride	4.31	41	290124	49.143	ug/l	100
15) Acrylonitrile	4.99	53	478063	249.230	ug/l	100
16) Acetone	3.82	43	524170	222.408	ug/l	98
17) Carbon Disulfide	4.04	76	460968	48.939	ug/l	100
18) Methyl Acetate	4.33	43	197730	48.062	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	535519	49.881	ug/l	98
20) Methylene Chloride	4.55	84	197154	47.374	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	183172	48.919	ug/l	100
22) Diisopropyl ether	5.96	45	566392	48.805	ug/l	97
23) Vinyl Acetate	5.90	43	2440302	258.455	ug/l	100
24) 1,1-Dichloroethane	5.84	63	331563	48.731	ug/l	100
25) 2-Butanone	6.84	43	688070	240.868	ug/l	99
26) 2,2-Dichloropropane	6.82	77	243357	49.462	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	211503	48.768	ug/l	99
28) Bromochloromethane	7.19	49	164380	48.245	ug/l	100
29) Tetrahydrofuran	7.22	42	425076	250.511	ug/l	99
30) Chloroform	7.37	83	325363	48.005	ug/l	100
31) Cyclohexane	7.65	56	314689	47.871	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	272523	48.542	ug/l	99
36) 1,1-Dichloropropene	7.79	75	250226	48.485	ug/l	99
37) Ethyl Acetate	6.93	43	255472	52.235	ug/l	99
38) Carbon Tetrachloride	7.77	117	237449	47.936	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056332.D
 Acq On : 17 Jun 2019 11:12
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061719

Quant Time: Jun 18 04:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	315718	50.153	ug/l	99
40) Benzene	8.04	78	769163	49.131	ug/l	99
41) Methacrylonitrile	7.17	41	119764	53.328	ug/l	99
42) 1,2-Dichloroethane	8.12	62	249456	48.588	ug/l	99
43) Isopropyl Acetate	8.17	43	388608	49.671	ug/l	99
44) Trichloroethene	8.83	130	208749	49.032	ug/l	99
45) 1,2-Dichloropropane	9.12	63	204442	49.412	ug/l	99
46) Dibromomethane	9.21	93	134471	48.907	ug/l	99
47) Bromodichloromethane	9.40	83	253662	48.290	ug/l	100
48) Methyl methacrylate	9.20	41	189967	48.127	ug/l	98
49) 1,4-Dioxane	9.21	88	80594	1012.154	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1246189	249.923	ug/l	100
52) Toluene	10.16	92	475613	49.773	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	266336	51.063	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	309900	51.512	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191576	48.783	ug/l	97
56) Ethyl methacrylate	10.43	69	294313	52.112	ug/l	98
57) 1,3-Dichloropropane	10.71	76	321370	48.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	474291	226.253	ug/l	99
59) 2-Hexanone	10.75	43	923990	249.859	ug/l	99
60) Dibromochloromethane	10.90	129	202623	49.193	ug/l	100
61) 1,2-Dibromoethane	11.01	107	200167	49.585	ug/l	98
64) Tetrachloroethene	10.63	164	197221	46.963	ug/l	100
65) Chlorobenzene	11.43	112	512588	49.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	186991	48.177	ug/l	100
67) Ethyl Benzene	11.51	91	899135	50.243	ug/l	100
68) m/p-Xylenes	11.62	106	686699	103.097	ug/l	99
69) o-Xylene	11.95	106	328832	50.083	ug/l	98
70) Styrene	11.96	104	563691	53.177	ug/l	99
71) Bromoform	12.13	173	149905	49.697	ug/l #	100
73) Isopropylbenzene	12.25	105	883420	53.578	ug/l	99
74) N-amyl acetate	12.07	43	336351	47.898	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	274068	53.064	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	219344m	45.943	ug/l	
77) Bromobenzene	12.53	156	232242	52.548	ug/l	100
78) n-propylbenzene	12.59	91	971204	48.420	ug/l	100
79) 2-Chlorotoluene	12.67	91	585312	53.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	735218	47.161	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70771	46.055	ug/l	96
82) 4-Chlorotoluene	12.77	91	579101	49.184	ug/l	99
83) tert-Butylbenzene	12.99	119	634107	53.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	722254	49.752	ug/l	99
85) sec-Butylbenzene	13.17	105	839279	47.707	ug/l	100
86) p-Isopropyltoluene	13.29	119	750801	49.858	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	378578	49.776	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	365945	50.072	ug/l	99
89) n-Butylbenzene	13.61	91	581405	51.641	ug/l	99
90) Hexachloroethane	13.87	117	127892	50.296	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	374756	50.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45882	47.520	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056332.D
Acq On : 17 Jun 2019 11:12
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

Quant Time: Jun 18 04:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 2019
Response via : Initial Calibration

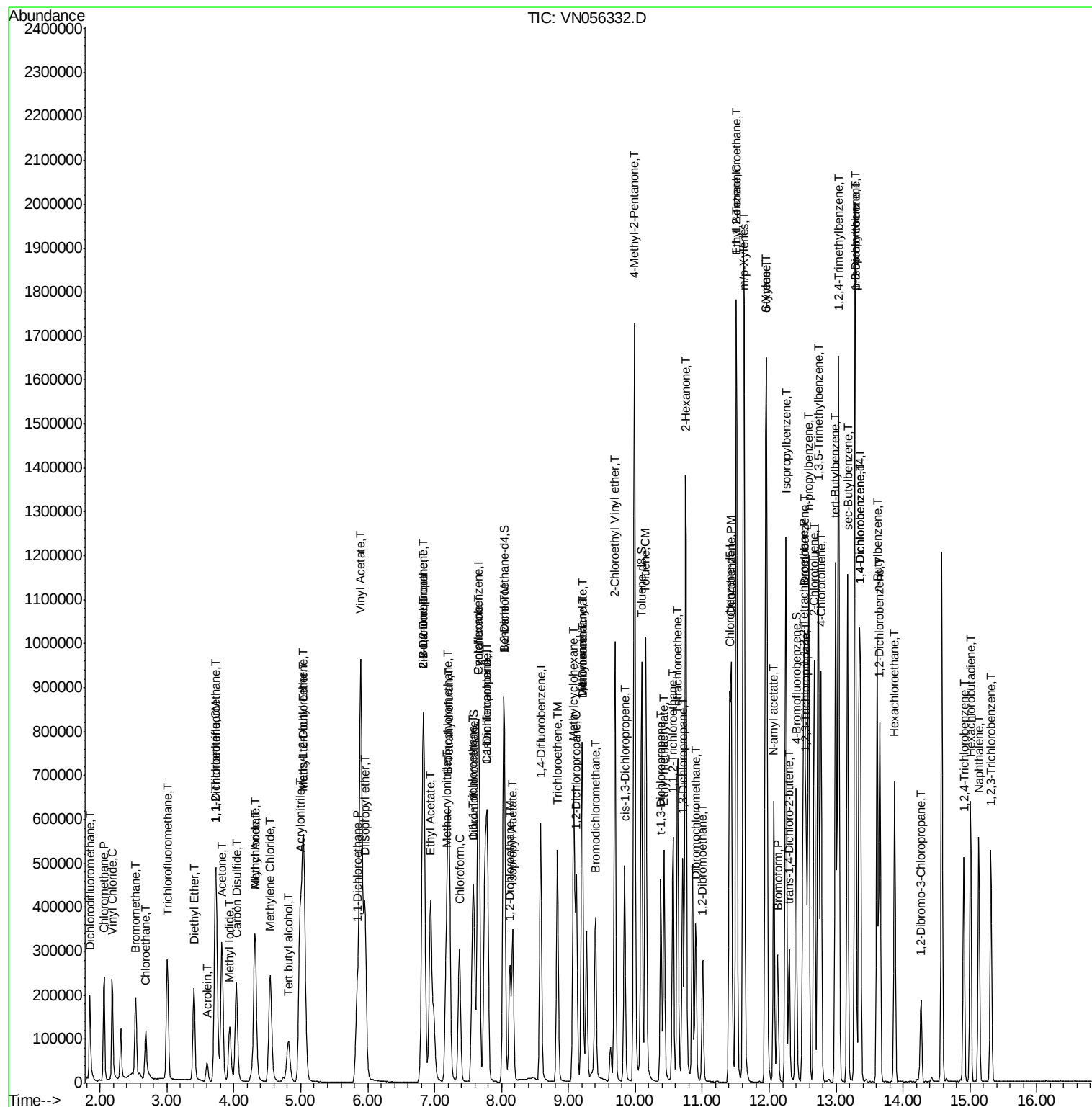
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181014	47.079	ug/l	99
94) Hexachlorobutadiene	15.01	225	136022	53.428	ug/l	99
95) Naphthalene	15.13	128	502101	49.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	196726	48.635	ug/l	98

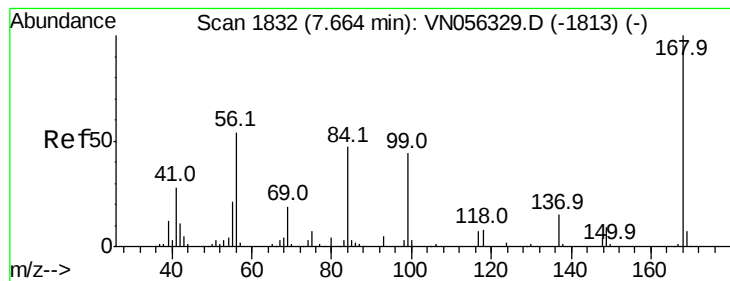
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056332.D
 Acq On : 17 Jun 2019 11:12
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 ICVVN061719

Quant Time: Jun 18 04:45:07 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

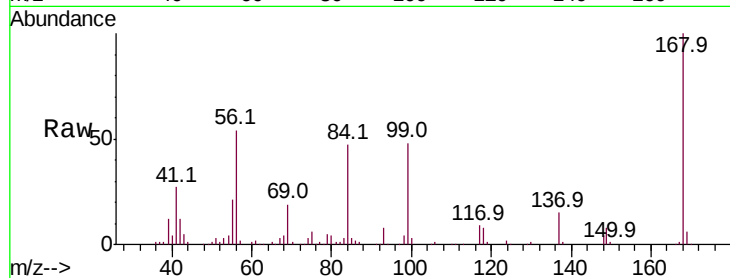
ICVFN061719

Tot Ion:168 Resp: 379328

Ion Ratio Lower Upper

168 100

99 47.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056332.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056332.D (-1739) (-)

7.66

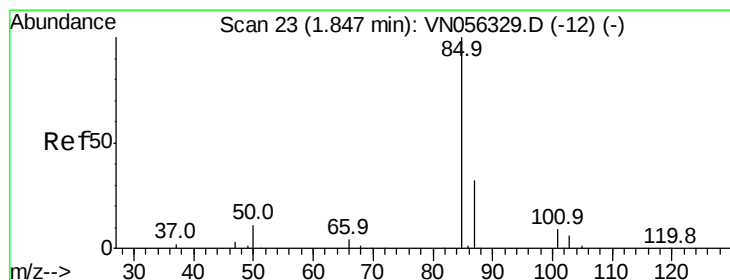
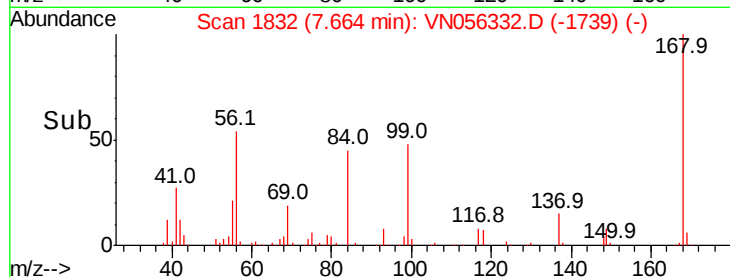
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.191 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056332.D

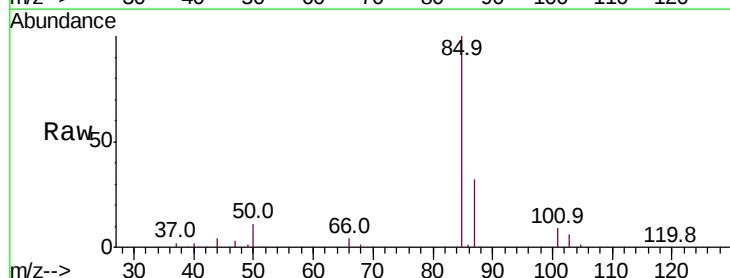
Acq: 17 Jun 2019 11:12

Tgt Ion: 85 Resp: 170722

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056332.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN056332.D (-1) (-)

1.85

120000

100000

80000

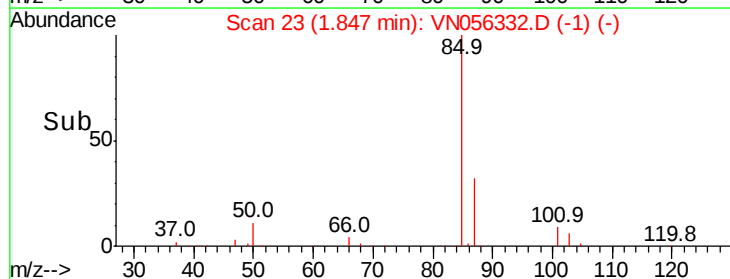
60000

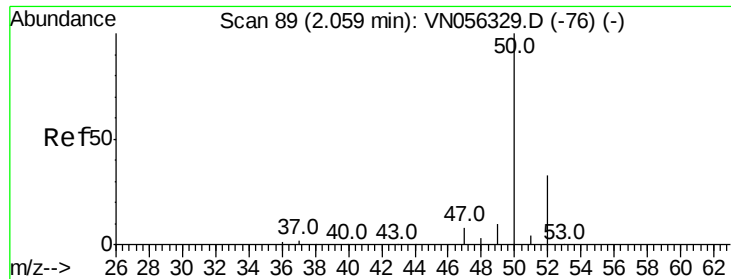
40000

20000

0

Time-->

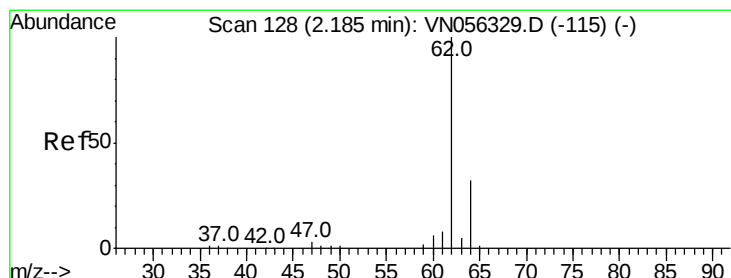
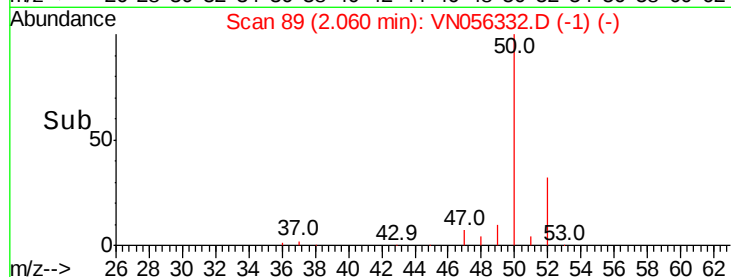
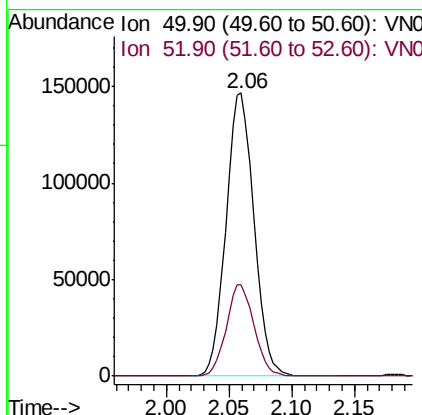
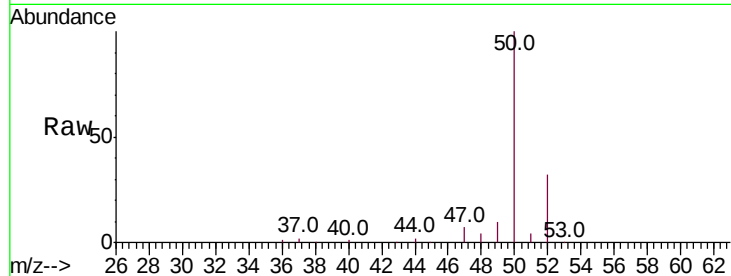




#3
Chloromethane
Concen: 50.657 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

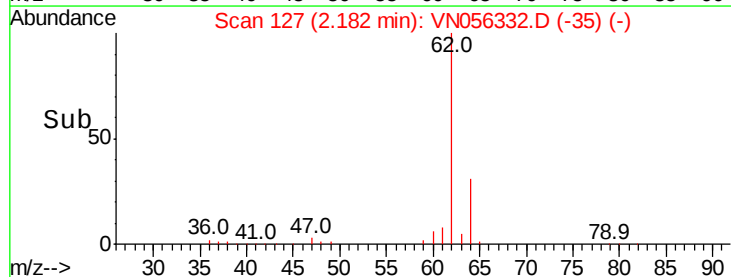
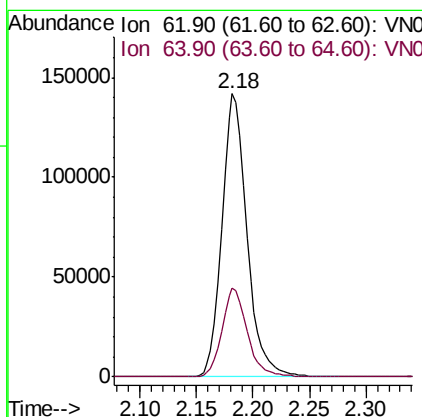
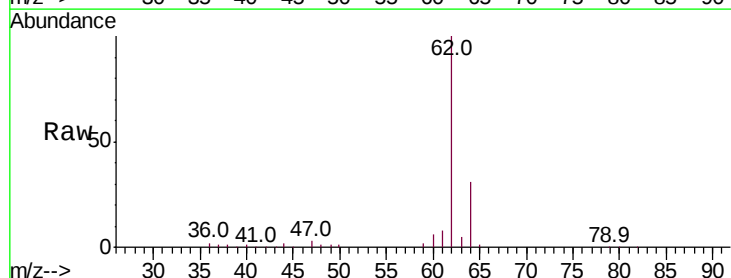
Instrument :
MSVOA_N
ClientSampleId :
ICVFN061719

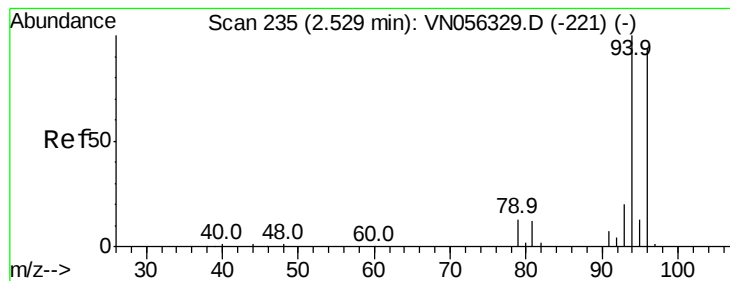
Tot Ion: 50 Resp: 226528
Ion Ratio Lower Upper
50 100
52 32.1 26.3 39.5



#4
Vinyl Chloride
Concen: 49.701 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 62 Resp: 218423
Ion Ratio Lower Upper
62 100
64 31.3 25.7 38.5





#5

Bromomethane

Concen: 54.172 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

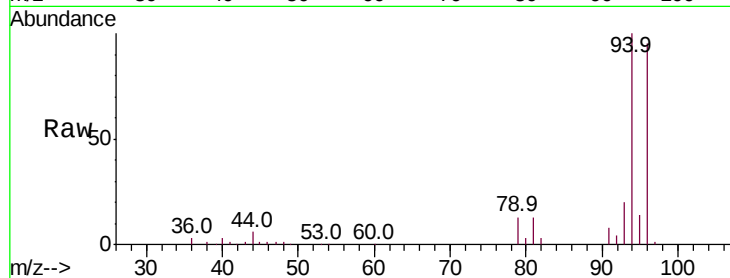
ICVFN061719

Tot Ion: 94 Resp: 138483

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

80000

60000

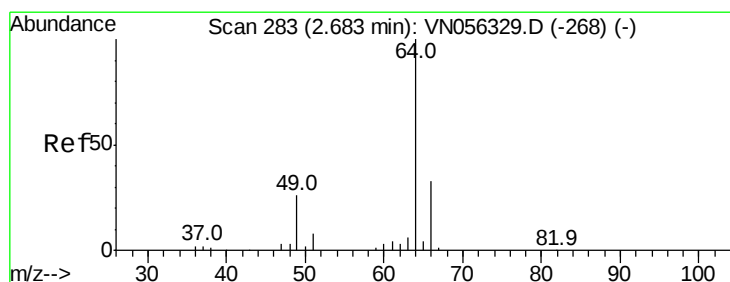
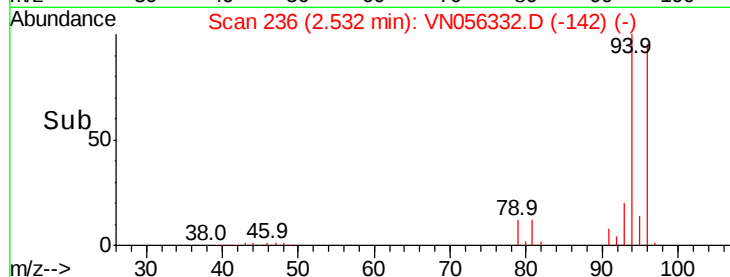
40000

20000

0

Time-->

2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 48.772 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056332.D

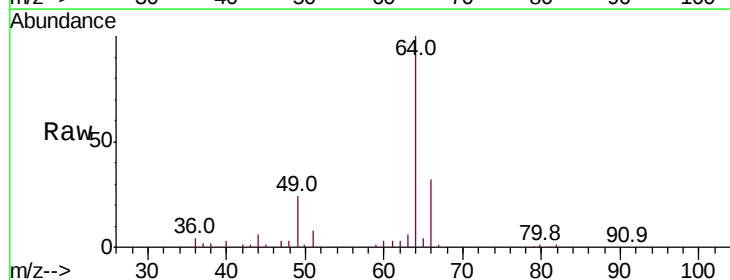
Acq: 17 Jun 2019 11:12

Tgt Ion: 64 Resp: 124145

Ion Ratio Lower Upper

64 100

66 32.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

60000

50000

40000

30000

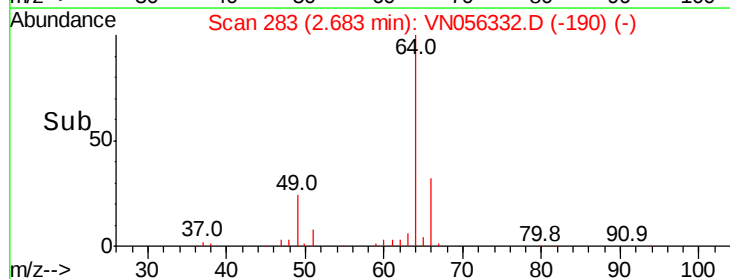
20000

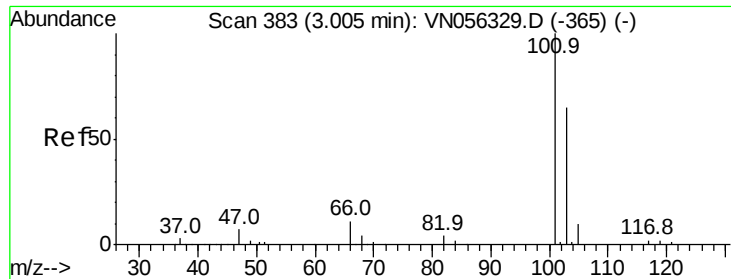
10000

0

Time-->

2.60 2.70 2.80



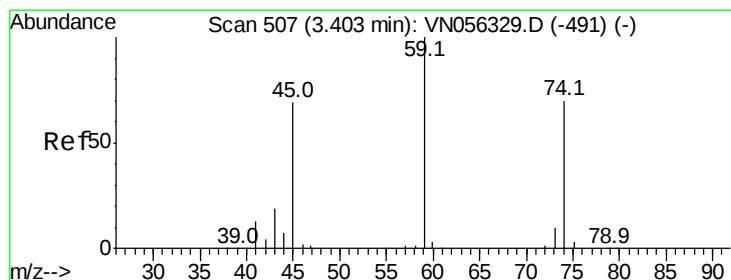
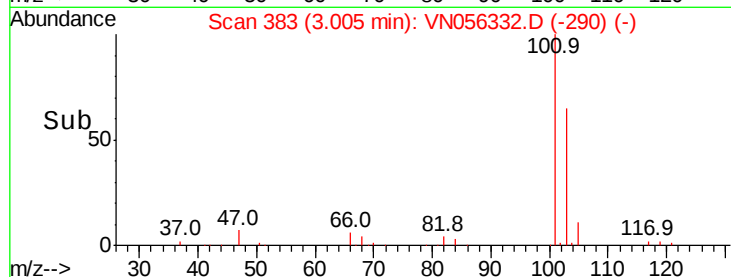
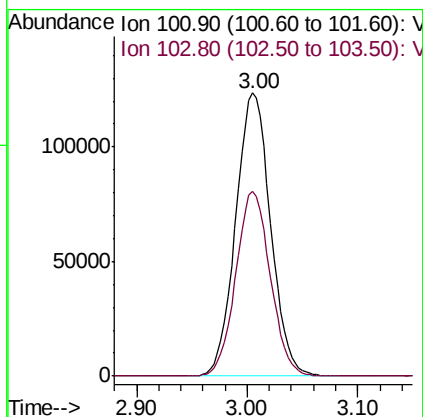
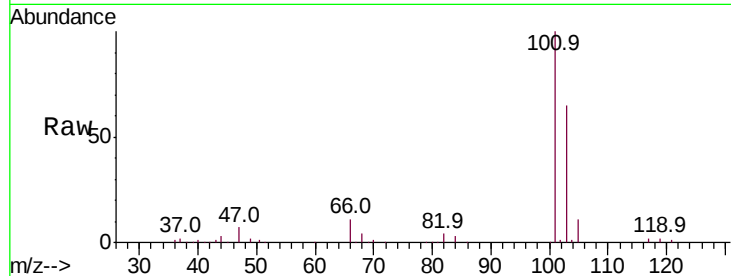


#7

Trichlorofluoromethane
 Concen: 48.191 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061719

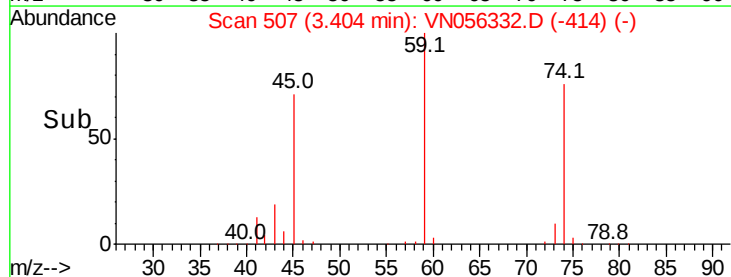
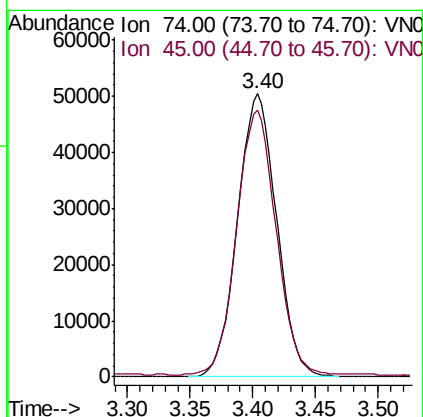
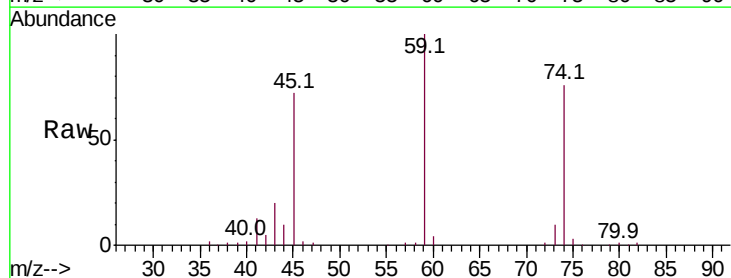
Tot Ion:101 Resp: 270481
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.1 78.1

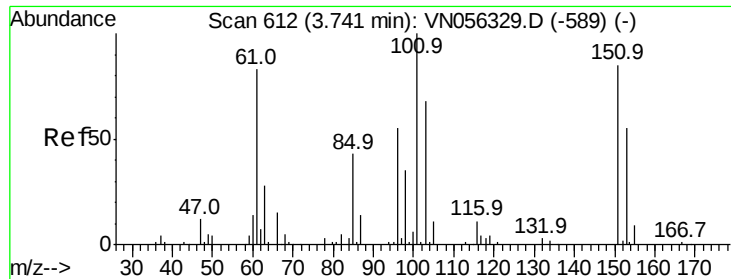


#8

Diethyl Ether
 Concen: 49.145 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

Tgt Ion: 74 Resp: 109405
 Ion Ratio Lower Upper
 74 100
 45 95.7 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.106 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVFN061719

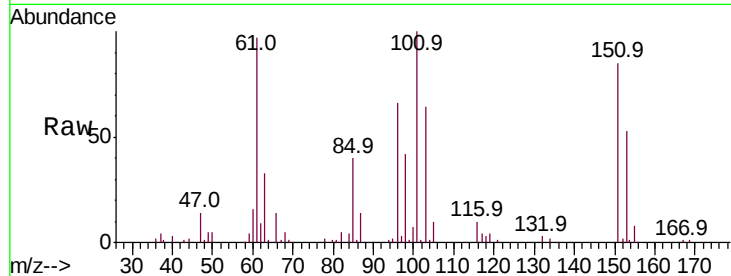
Tot Ion:101 Resp: 170995

Ion Ratio Lower Upper

101 100

85 41.3 33.8 50.8

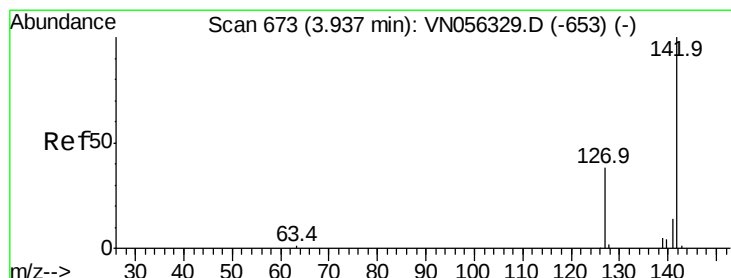
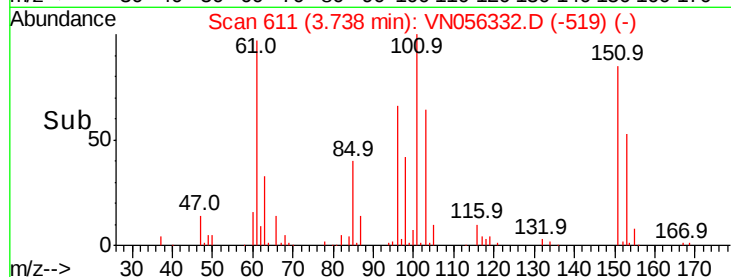
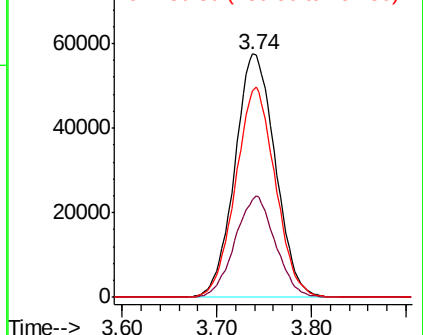
151 84.6 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.251 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

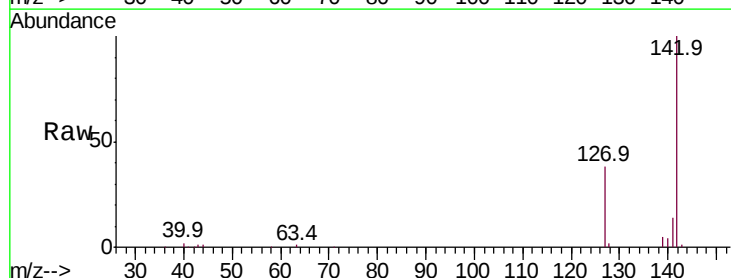
Tgt Ion:142 Resp: 219504

Ion Ratio Lower Upper

142 100

127 38.5 30.8 46.2

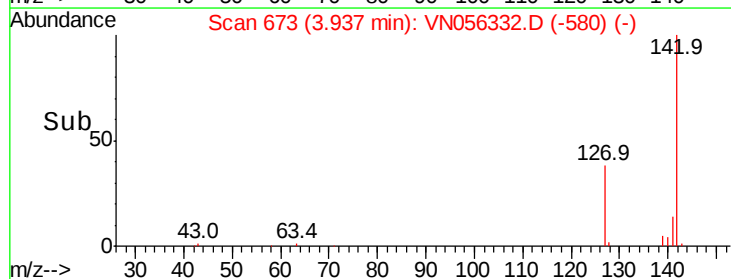
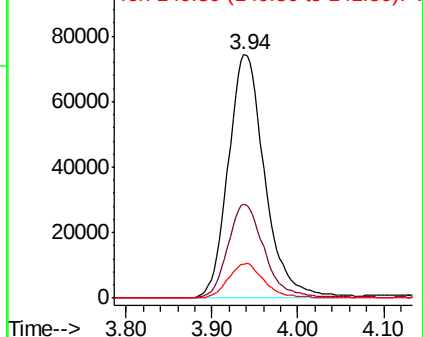
141 14.1 11.4 17.2

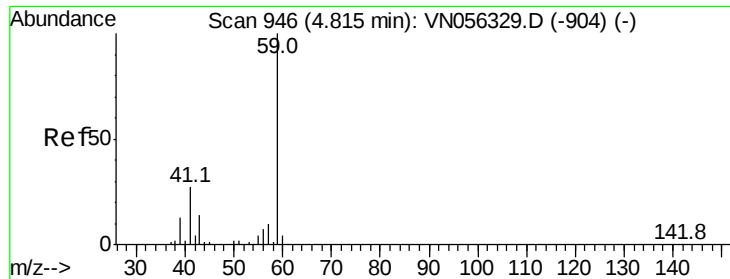


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 253.527 ug/l m

RT: 4.82 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

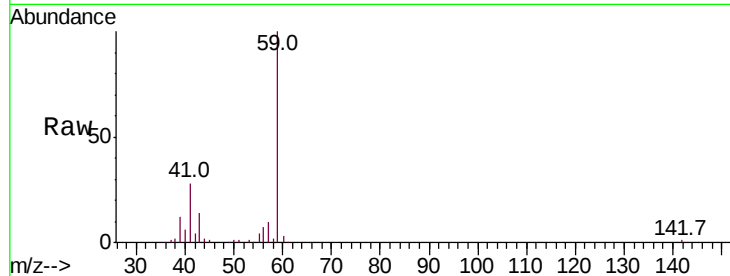
ICVVN061719

Tot Ion: 59 Resp: 170155

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.82

50000

40000

30000

20000

10000

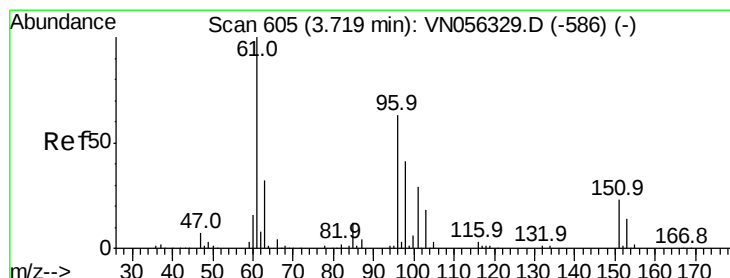
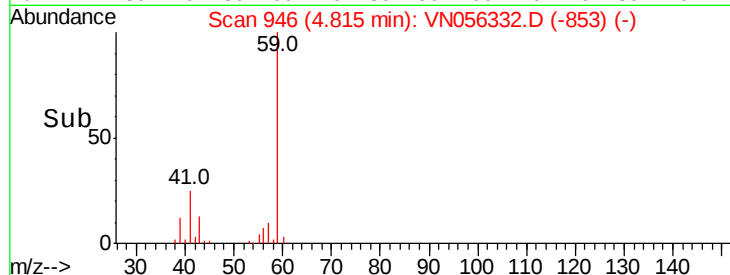
0

Time-->

4.70

4.80

4.90



#12

1,1-Dichloroethene

Concen: 48.177 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

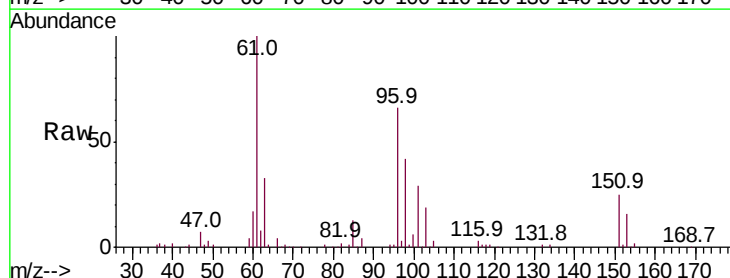
Tgt Ion: 96 Resp: 169593

Ion Ratio Lower Upper

96 100

61 152.2 127.4 191.2

98 63.4 51.7 77.5



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

3.72

100000

50000

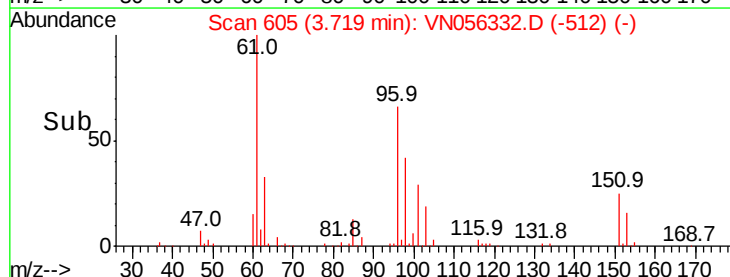
0

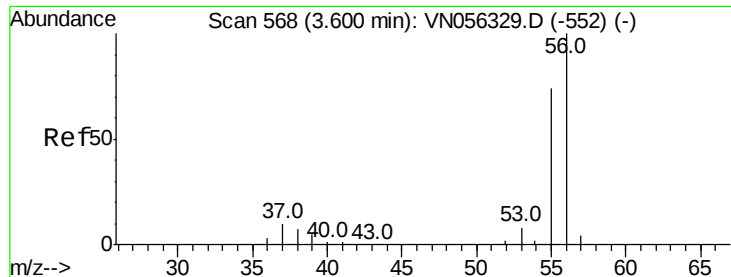
Time-->

3.60

3.70

3.80





#13

Acrolein

Concen: 252.421 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

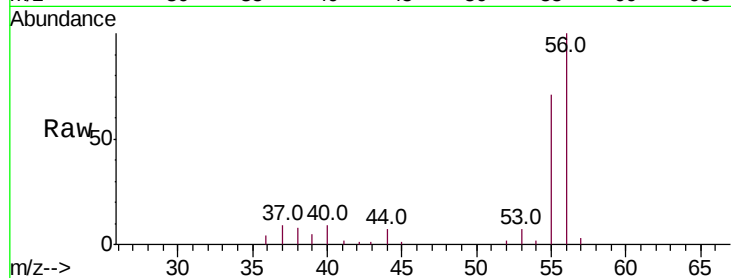
ICV061719

Tot Ion: 56 Resp: 48491

Ion Ratio Lower Upper

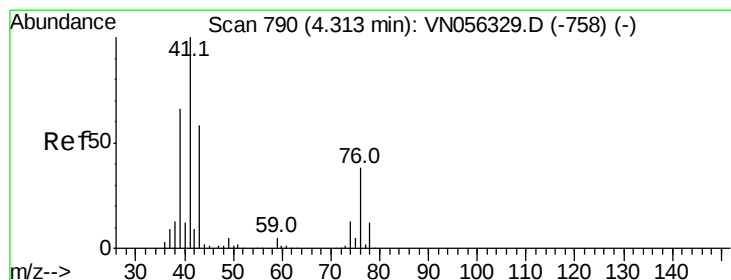
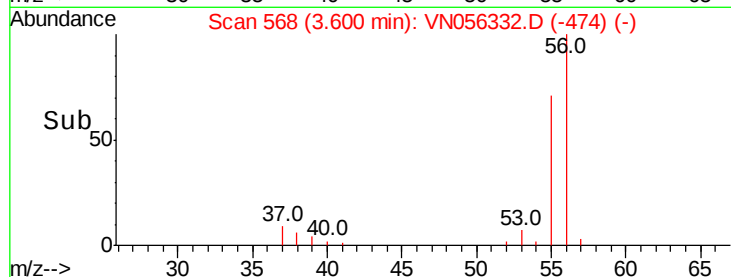
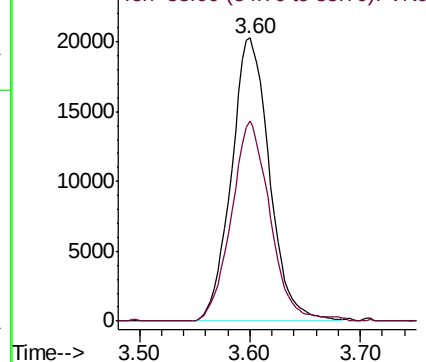
56 100

55 71.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 49.143 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

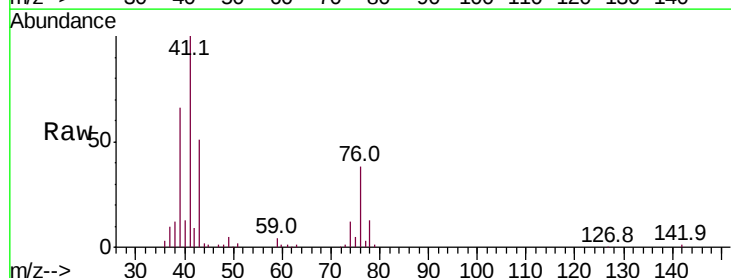
Tgt Ion: 41 Resp: 290124

Ion Ratio Lower Upper

41 100

39 61.0 48.9 73.3

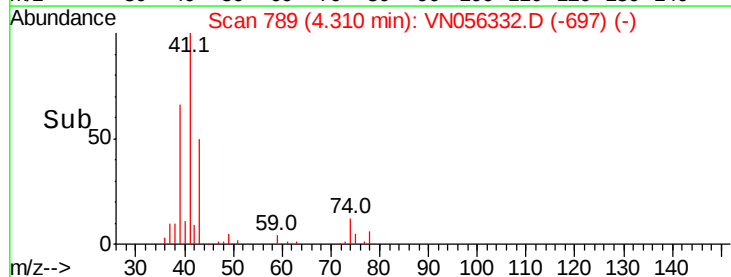
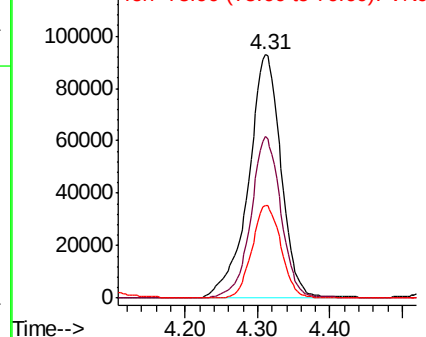
76 34.0 27.2 40.8

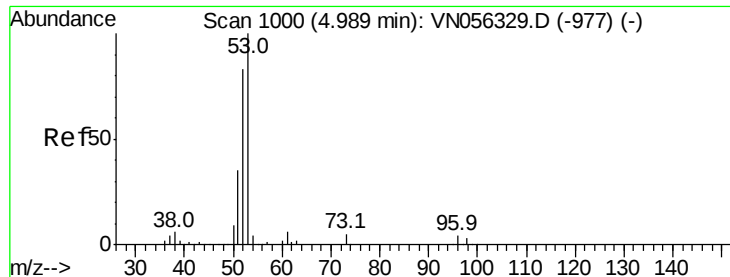


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 249.230 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

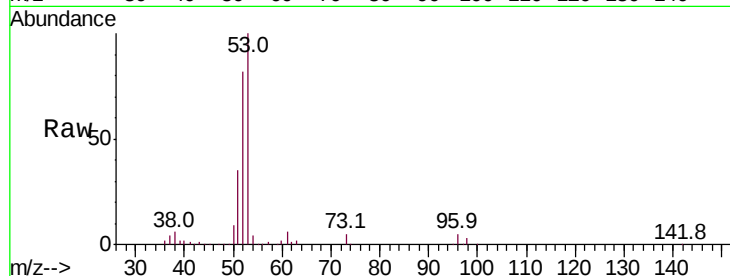
Tot Ion: 53 Resp: 478063

Ion Ratio Lower Upper

53 100

52 82.0 65.4 98.2

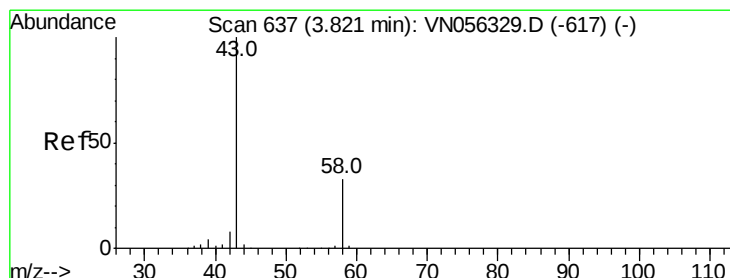
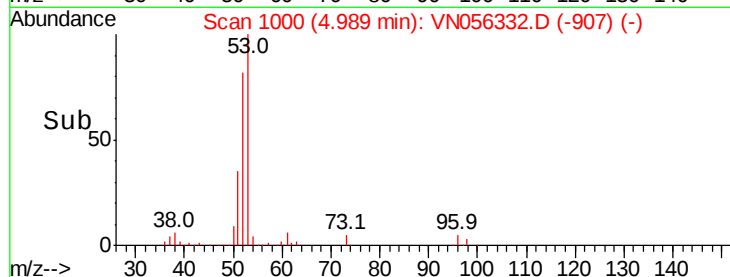
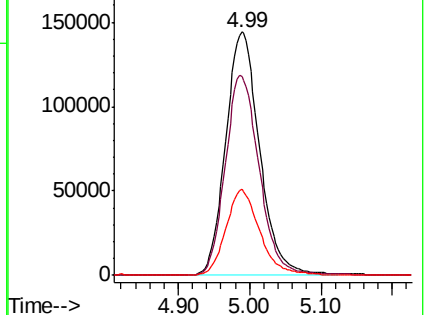
51 35.1 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 222.408 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056332.D

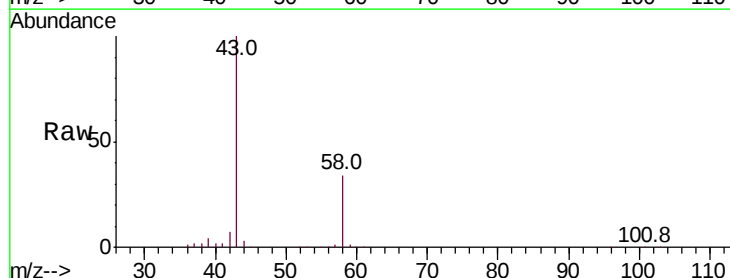
Acq: 17 Jun 2019 11:12

Tgt Ion: 43 Resp: 524170

Ion Ratio Lower Upper

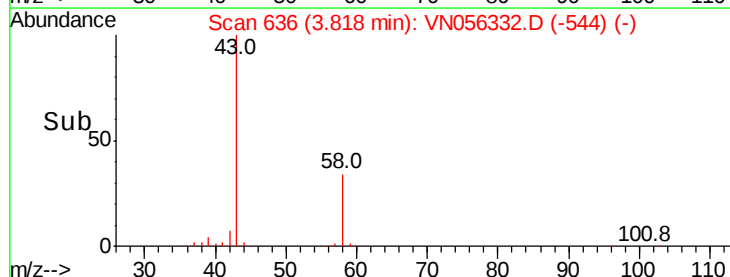
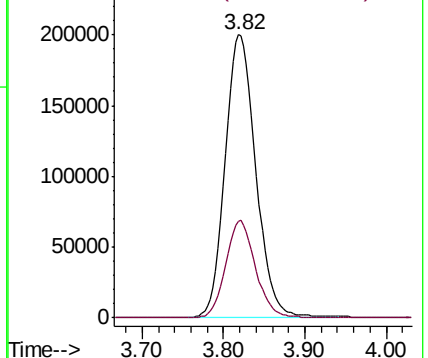
43 100

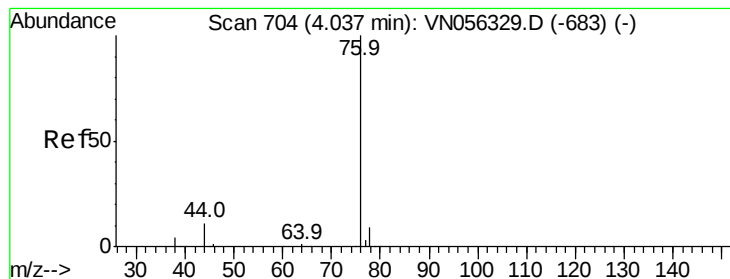
58 34.2 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.939 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

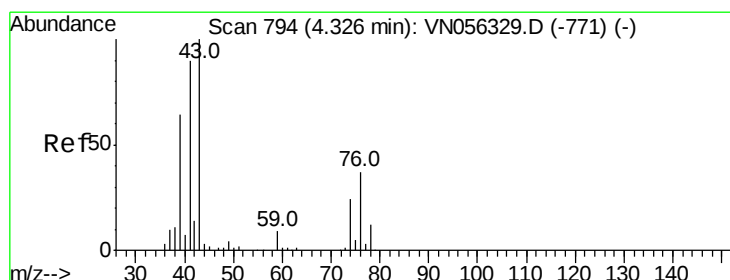
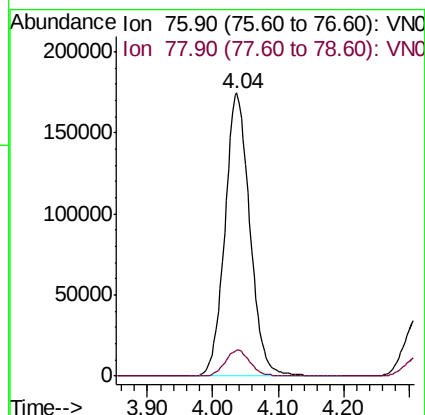
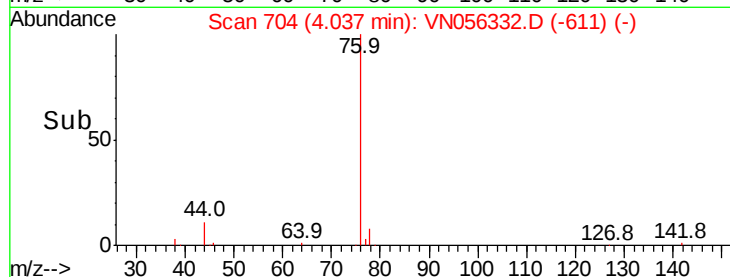
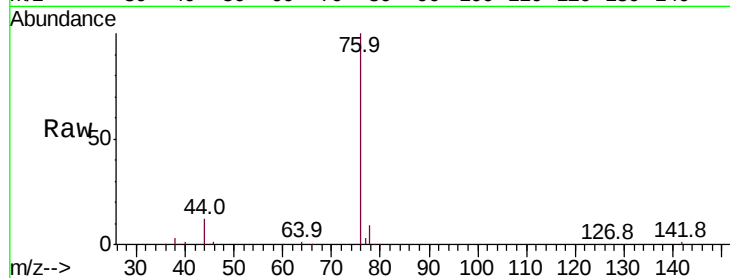
ICVVN061719

Tot Ion: 76 Resp: 460968

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



#18

Methyl Acetate

Concen: 48.062 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056332.D

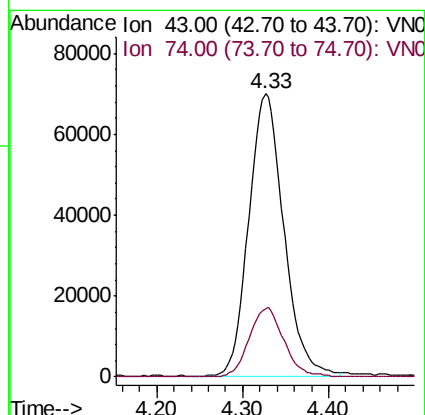
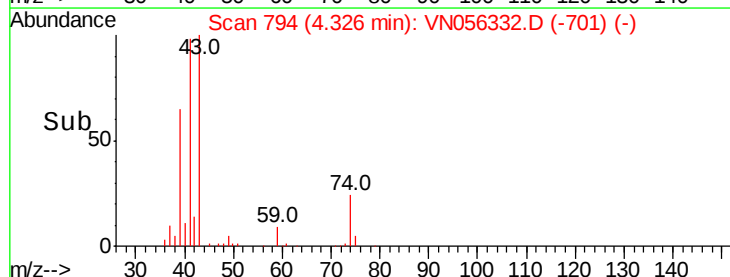
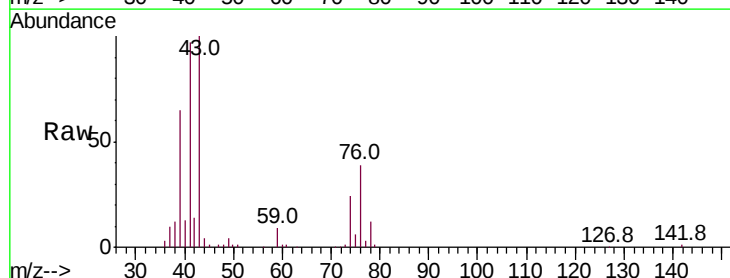
Acq: 17 Jun 2019 11:12

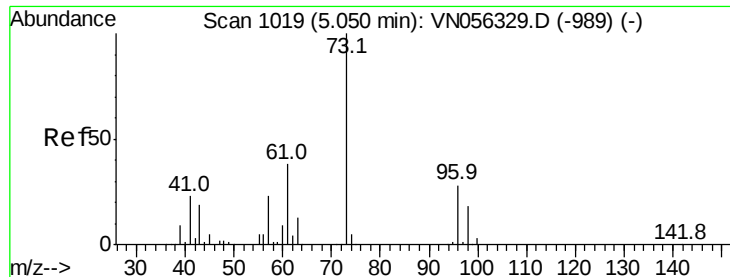
Tgt Ion: 43 Resp: 197730

Ion Ratio Lower Upper

43 100

74 24.3 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 49.881 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

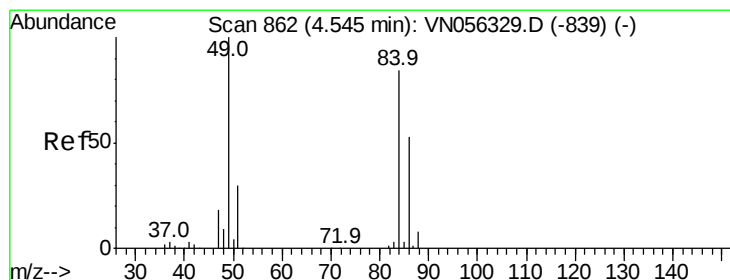
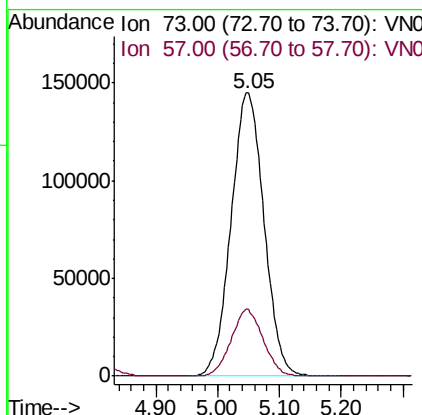
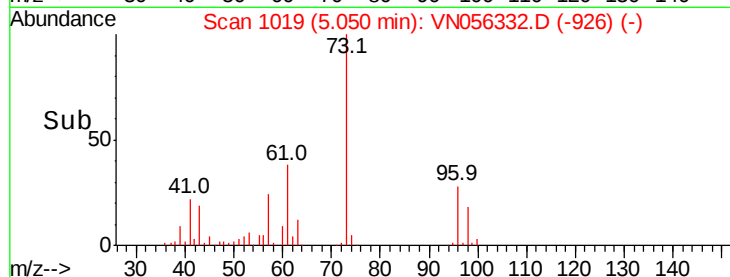
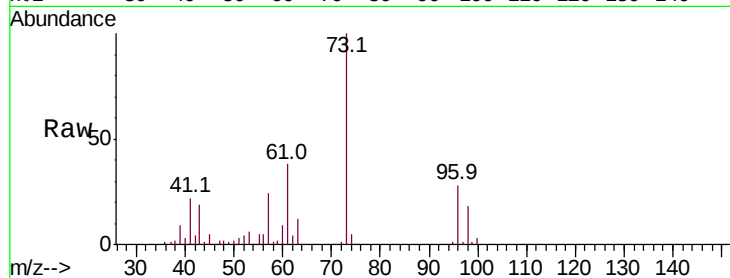
ICV061719

Tot Ion: 73 Resp: 53519

Ion Ratio Lower Upper

73 100

57 23.6 18.1 27.1



#20

Methylene Chloride

Concen: 47.374 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Tgt Ion: 84 Resp: 197154

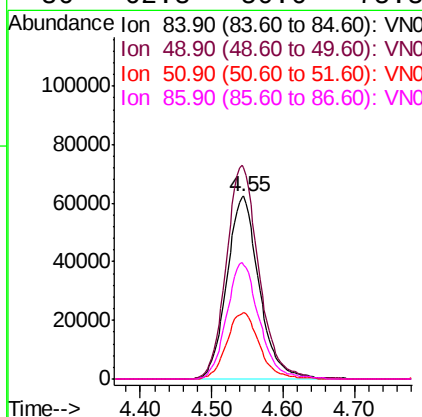
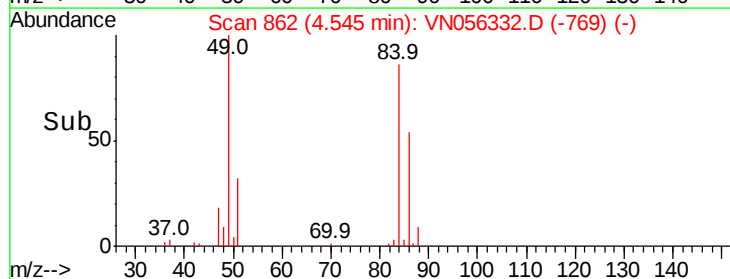
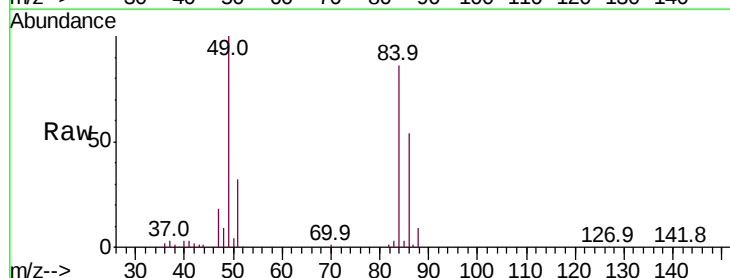
Ion Ratio Lower Upper

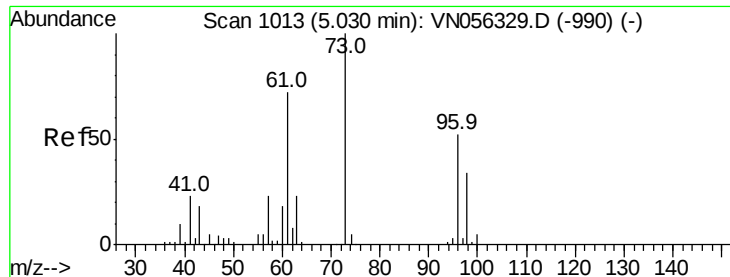
84 100

49 115.9 95.0 142.6

51 36.7 28.2 42.4

86 62.8 50.6 75.8

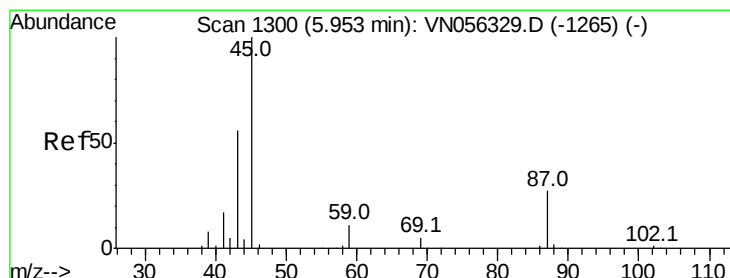
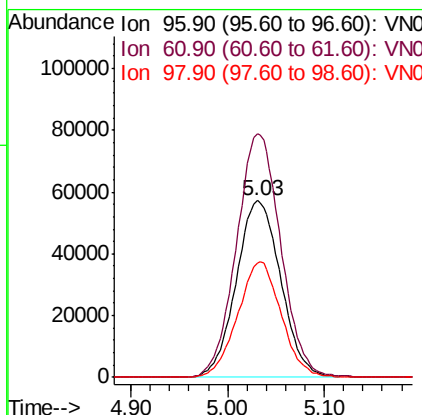
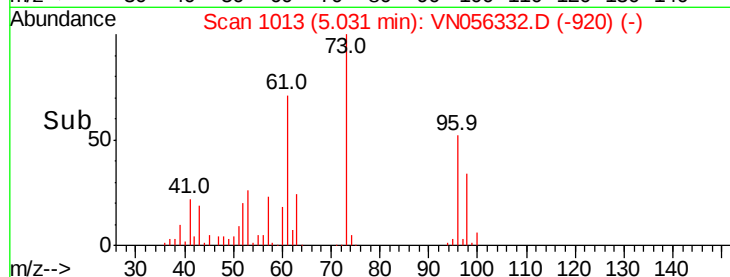
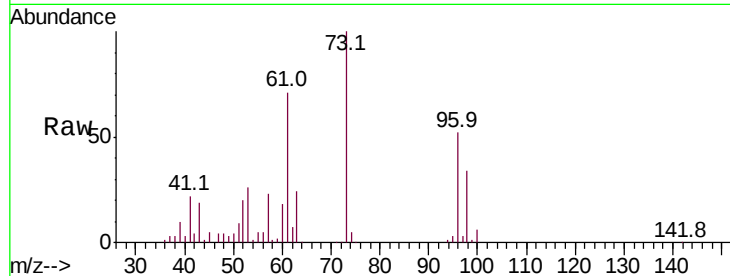




#21
trans-1,2-Dichloroethene
Concen: 48.919 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

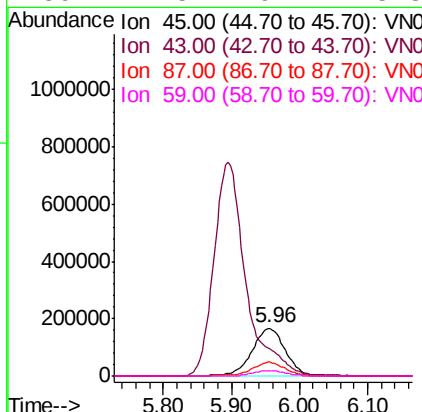
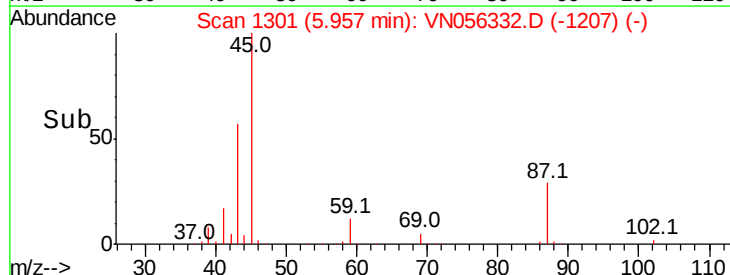
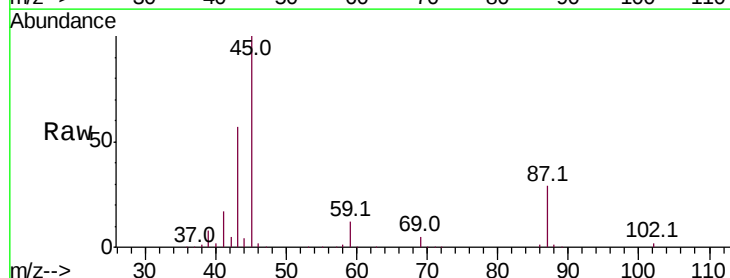
Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

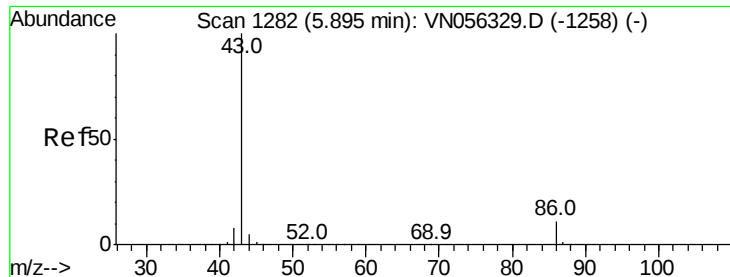
Tot Ion: 96 Resp: 183172
Ion Ratio Lower Upper
96 100
61 137.7 109.8 164.6
98 65.1 52.0 78.0



#22
Diisopropyl ether
Concen: 48.805 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 45 Resp: 566392
Ion Ratio Lower Upper
45 100
43 55.5 47.0 70.6
87 28.5 22.4 33.6
59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 258.455 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

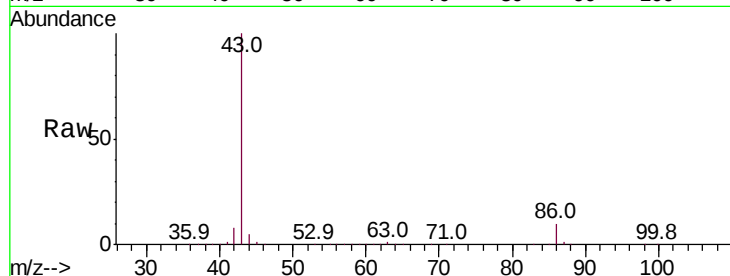
ICVVN061719

Tot Ion: 43 Resp: 2440302

Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

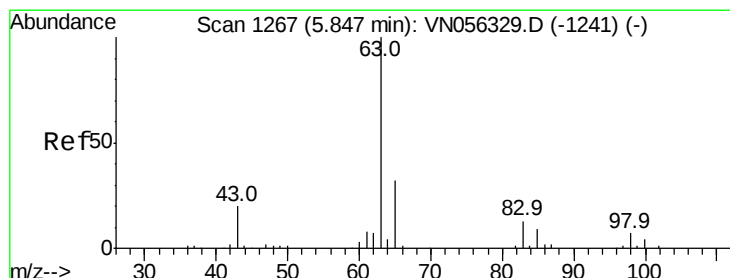
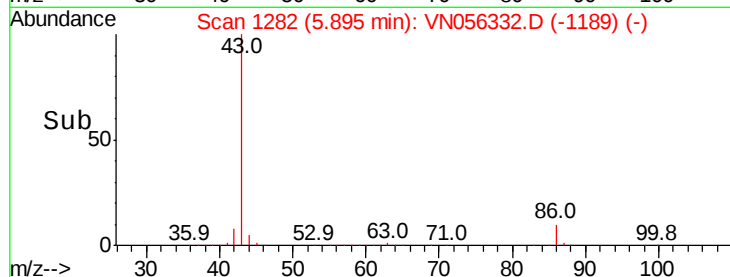
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.731 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

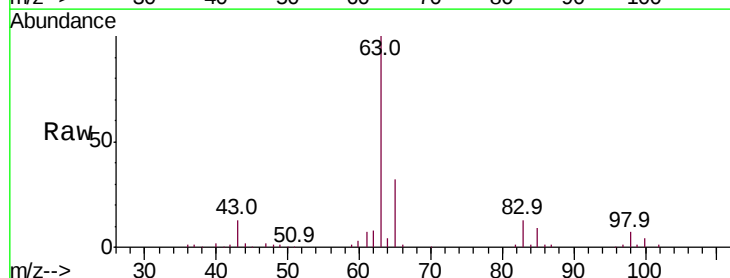
Tgt Ion: 63 Resp: 331563

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.4 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

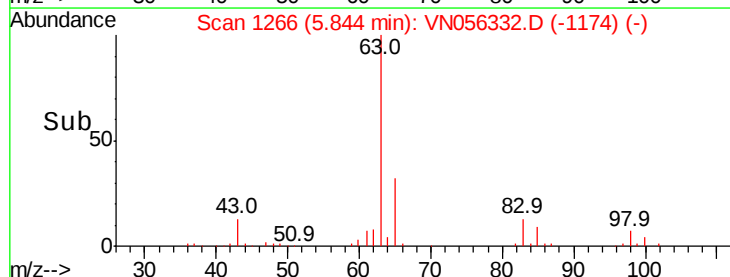
5.84

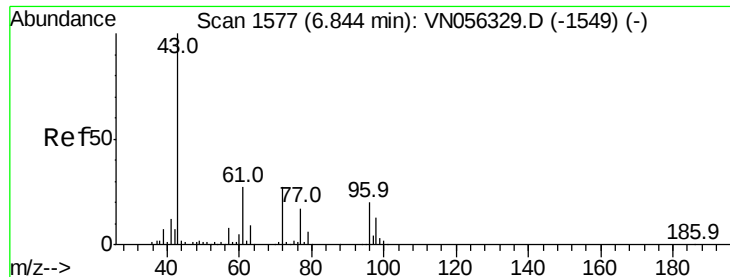
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.868 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

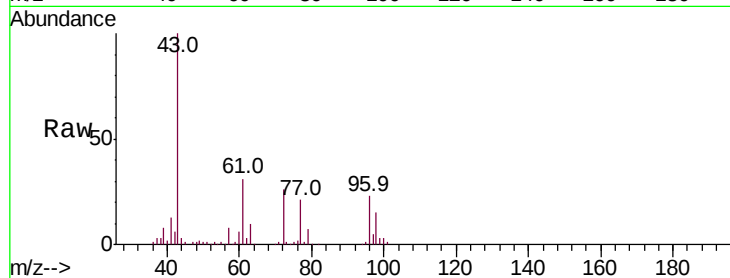
ICV061719

Tot Ion: 43 Resp: 688070

Ion Ratio Lower Upper

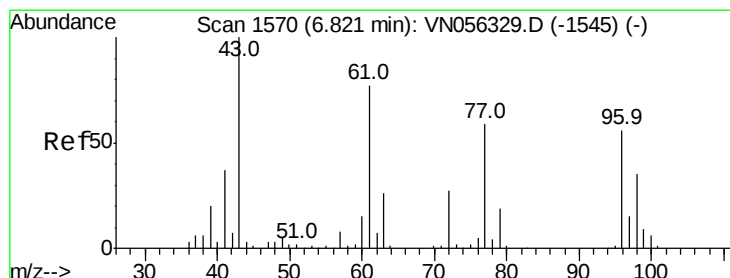
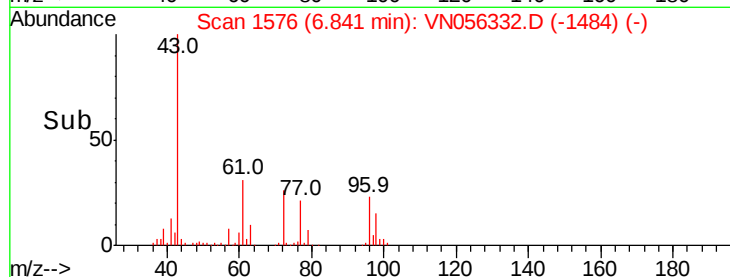
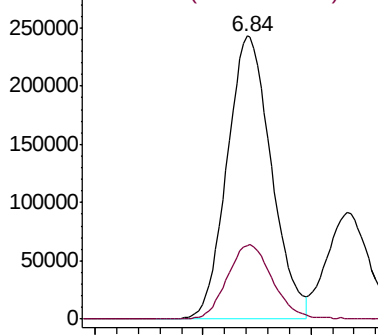
43 100

72 26.0 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: 49.462 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056332.D

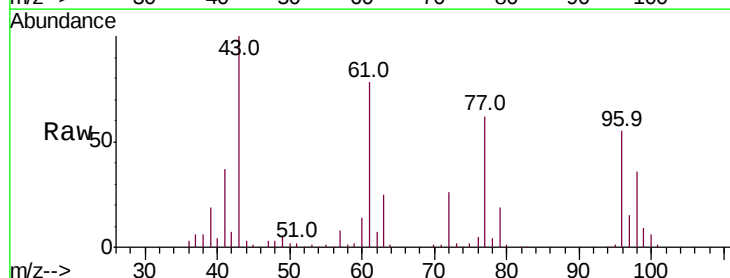
Acq: 17 Jun 2019 11:12

Tgt Ion: 77 Resp: 243357

Ion Ratio Lower Upper

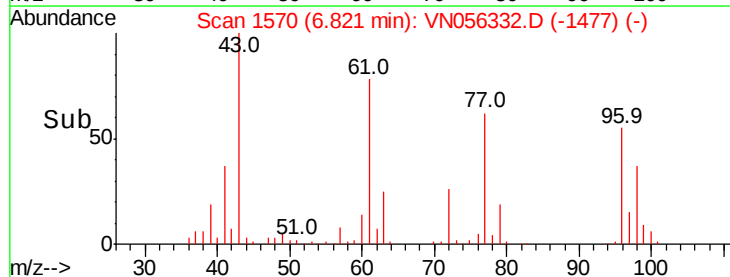
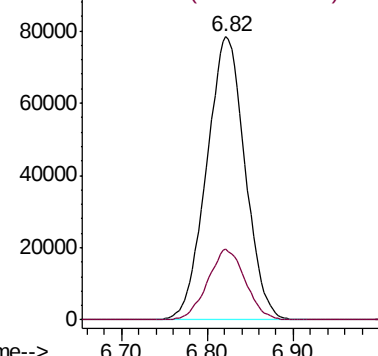
77 100

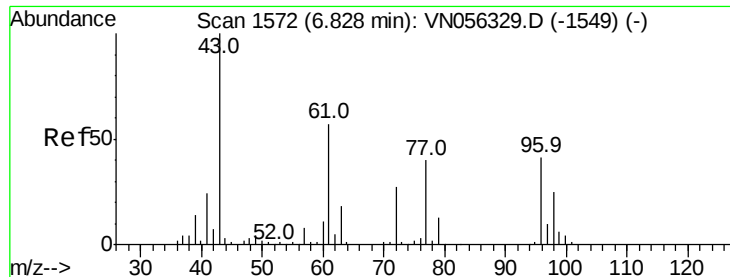
97 24.5 12.2 36.6



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: 48.768 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICV061719

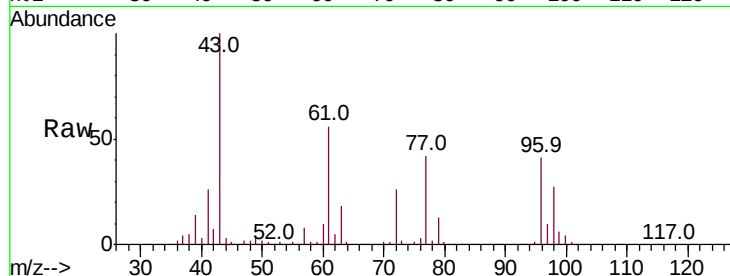
Tot Ion: 96 Resp: 211503

Ion Ratio Lower Upper

96 100

61 140.5 0.0 278.6

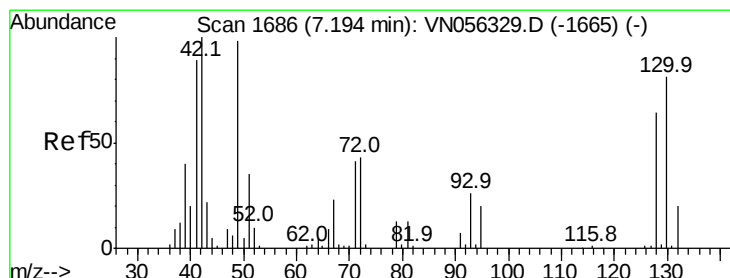
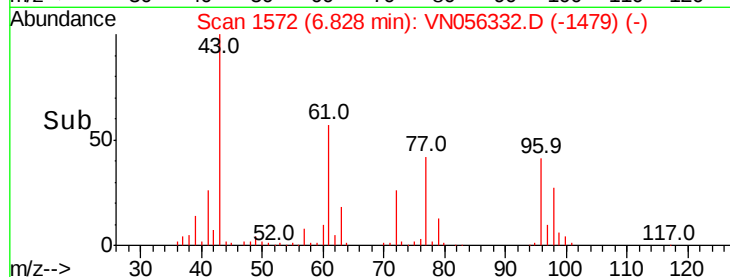
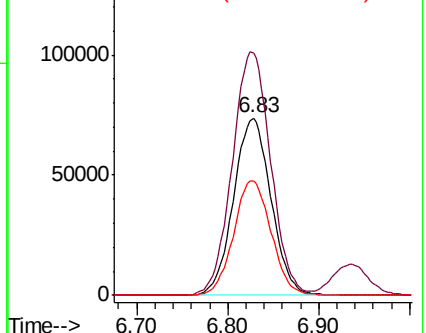
98 64.8 0.0 127.0



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: 48.245 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

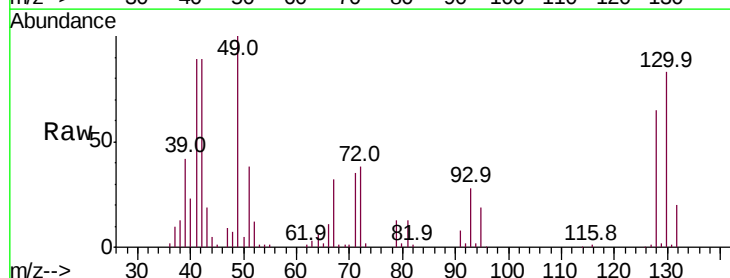
Tgt Ion: 49 Resp: 164380

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

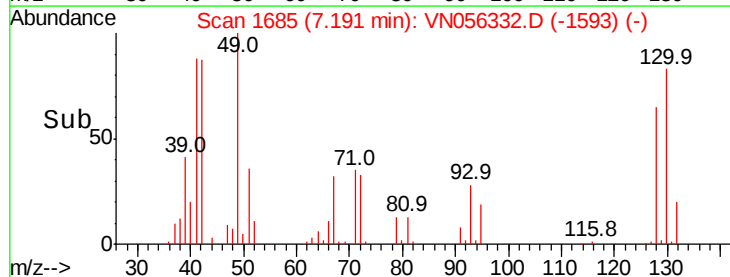
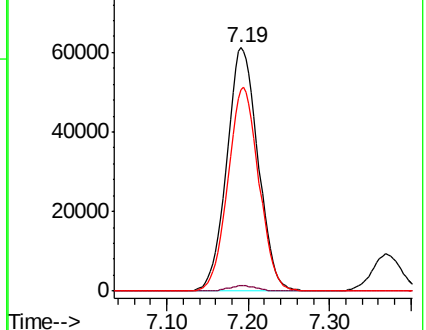
130 82.6 66.4 99.6

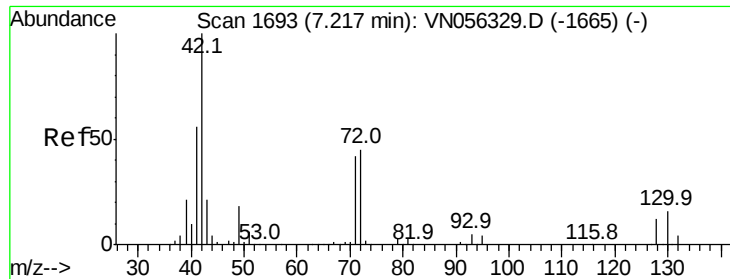


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

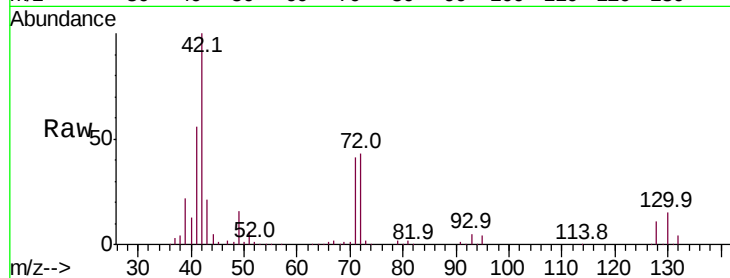




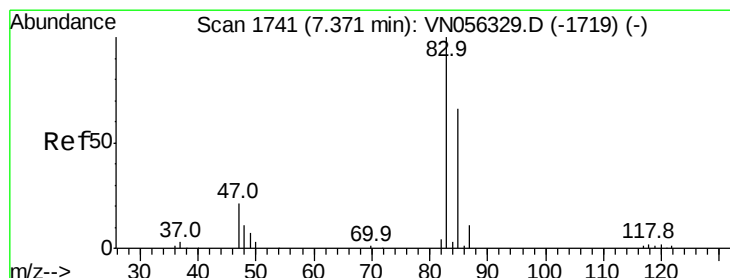
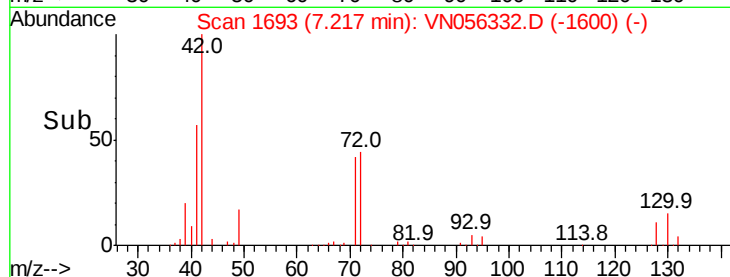
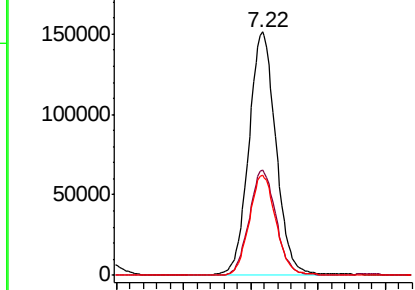
#29
Tetrahydrofuran
Concen: 250.511 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

Tot Ion: 42 Resp: 425076
Ion Ratio Lower Upper
42 100
72 42.7 35.3 52.9
71 40.5 32.7 49.1

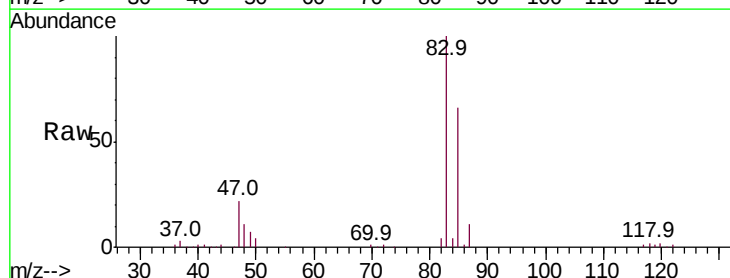


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

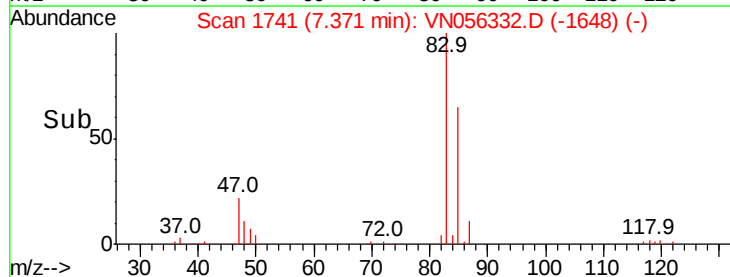
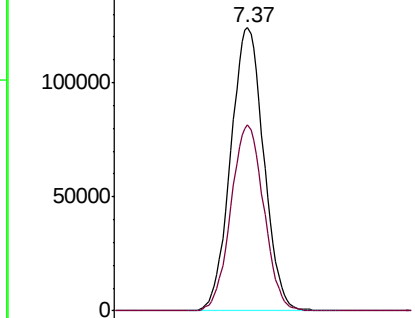


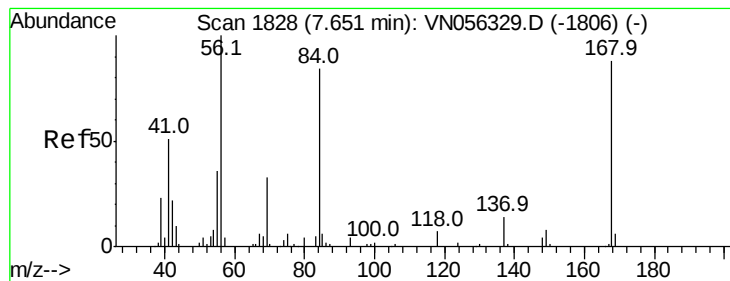
#30
Chloroform
Concen: 48.005 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 83 Resp: 325363
Ion Ratio Lower Upper
83 100
85 65.5 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.871 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

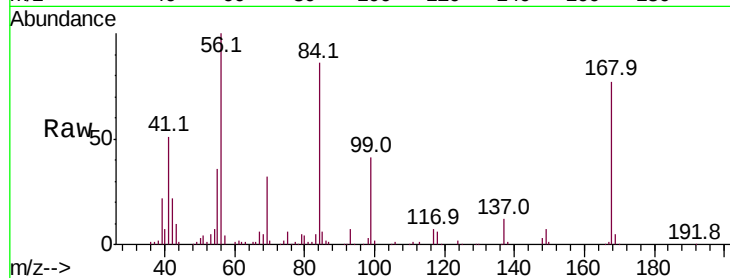
Tot Ion: 56 Resp: 314689

Ion Ratio Lower Upper

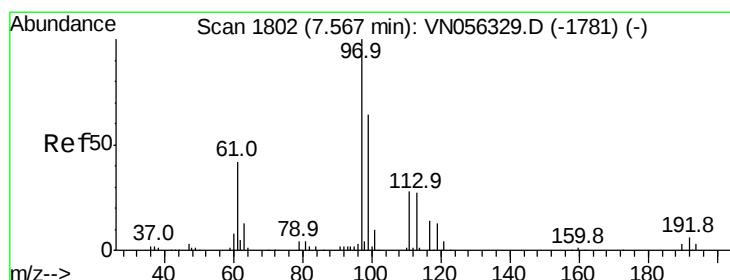
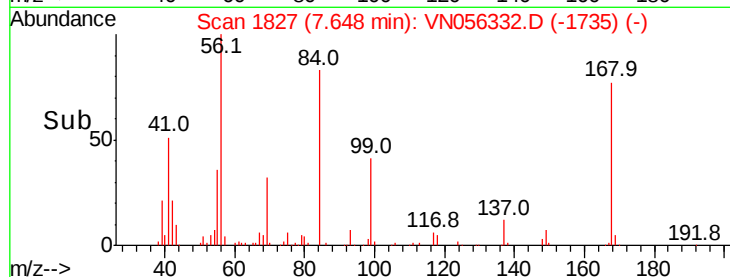
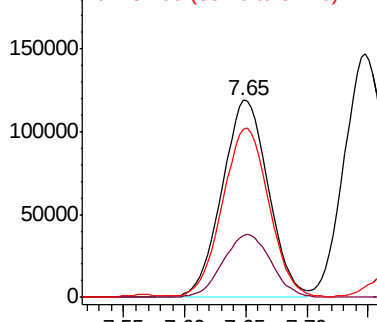
56 100

69 31.6 26.0 39.0

84 84.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.542 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

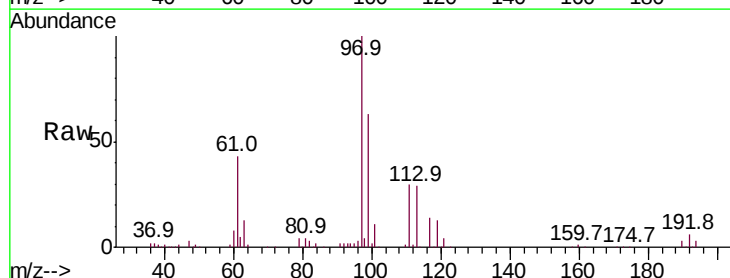
Tgt Ion: 97 Resp: 272523

Ion Ratio Lower Upper

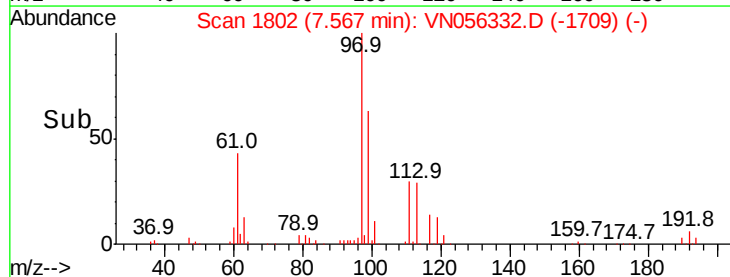
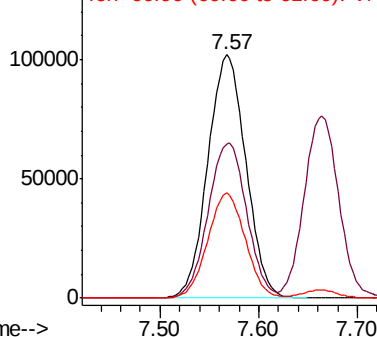
97 100

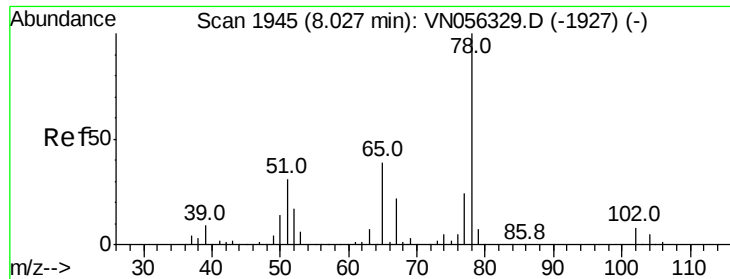
99 64.6 51.4 77.0

61 42.7 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 49.658 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

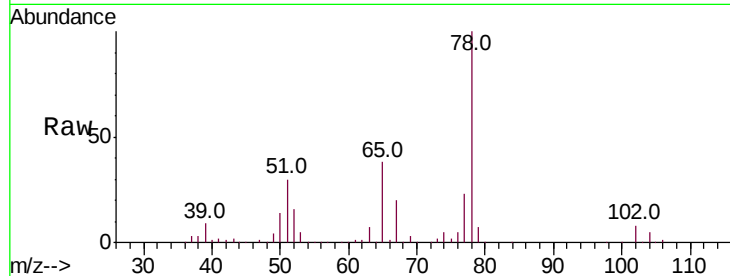
ICVFN061719

Tot Ion: 65 Resp: 211801

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN056332.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056332.D (-1927) (-)

8.03

100000

80000

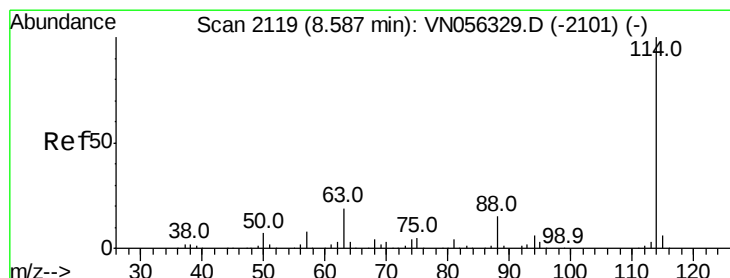
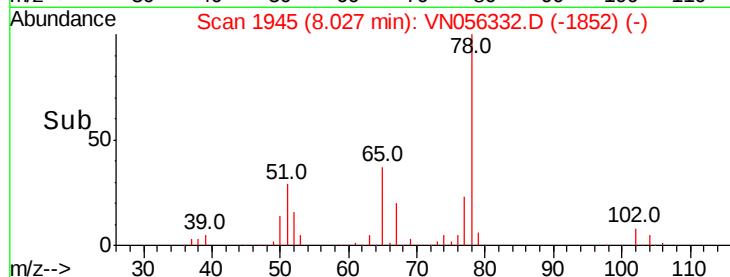
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

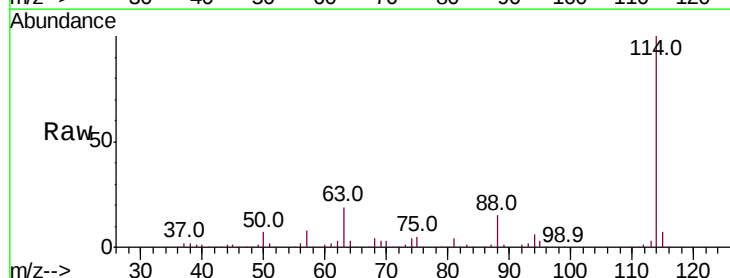
Tgt Ion: 114 Resp: 573504

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN056332.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056332.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056332.D (-2101) (-)

8.58

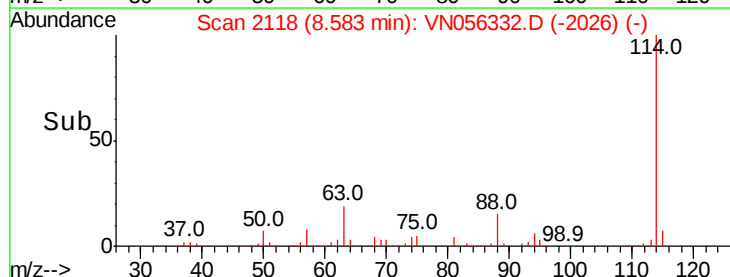
300000

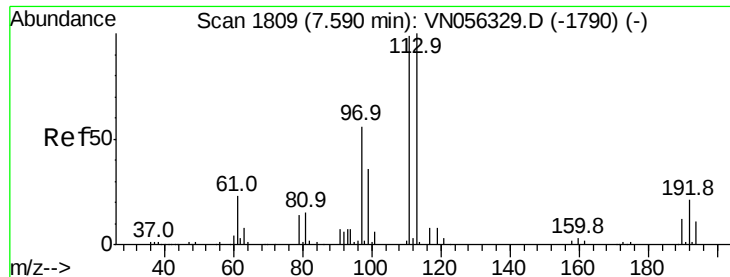
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.321 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

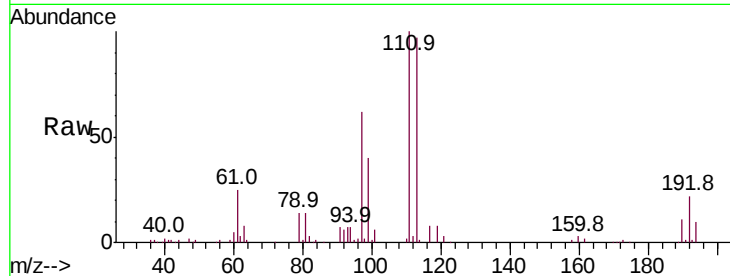
Tot Ion:113 Resp: 185069

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

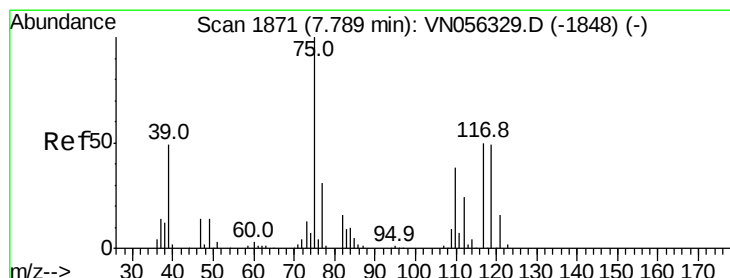
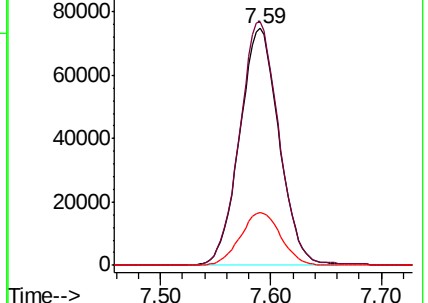
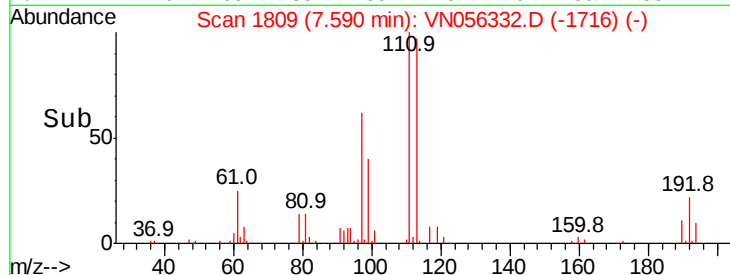
192 22.9 17.6 26.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.485 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

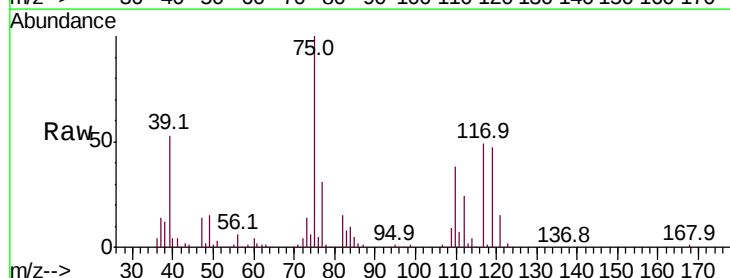
Tgt Ion: 75 Resp: 250226

Ion Ratio Lower Upper

75 100

110 38.0 18.6 56.0

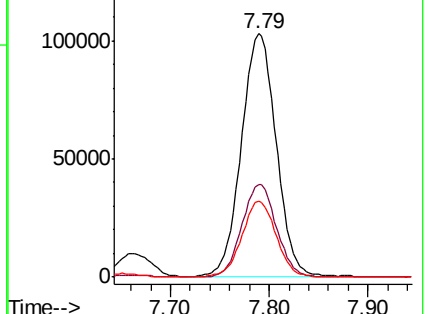
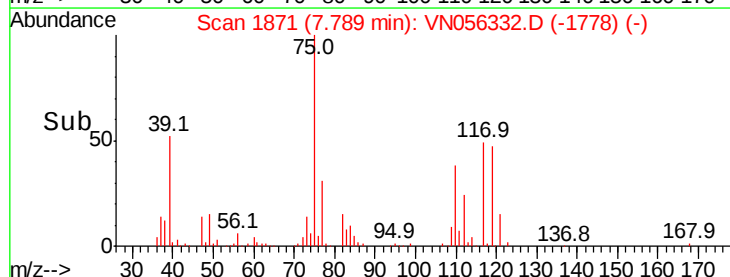
77 31.0 25.0 37.6

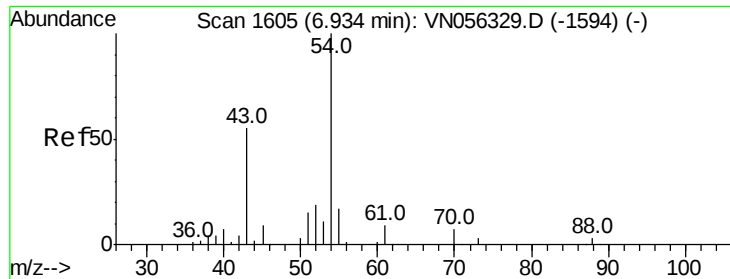


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 52.235 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

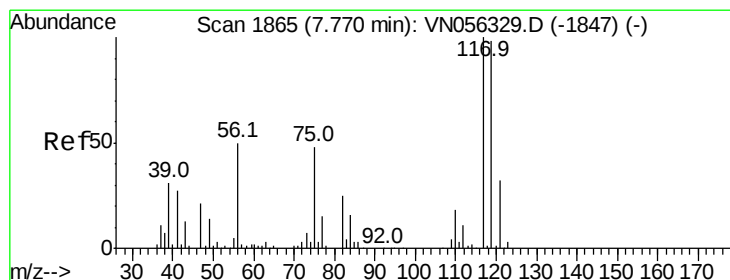
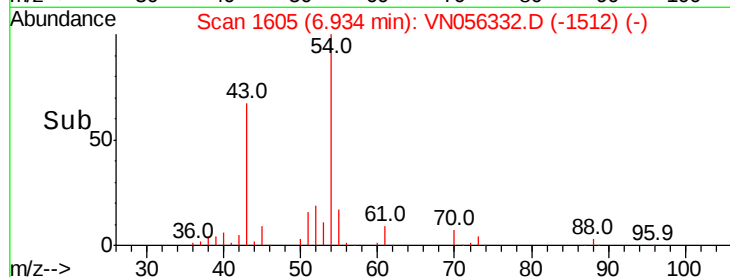
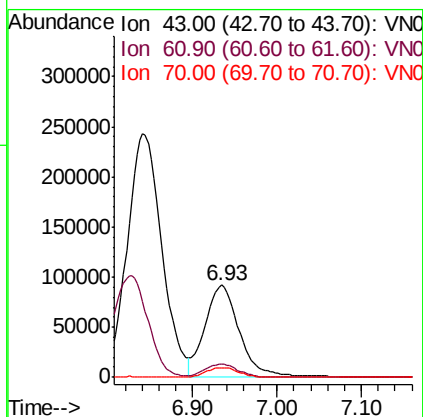
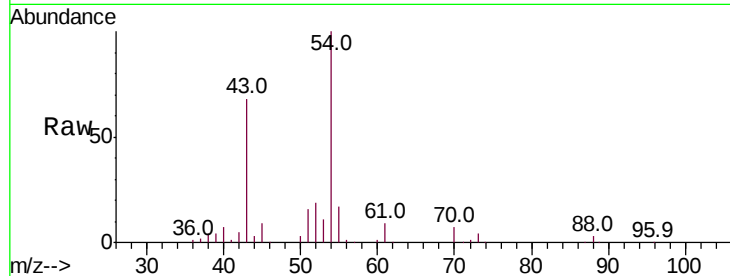
Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

Tot Ion: 43 Resp: 255472

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	10.5	8.3	12.5



#38

Carbon Tetrachloride

Concen: 47.936 ug/l

RT: 7.77 min Scan# 1865

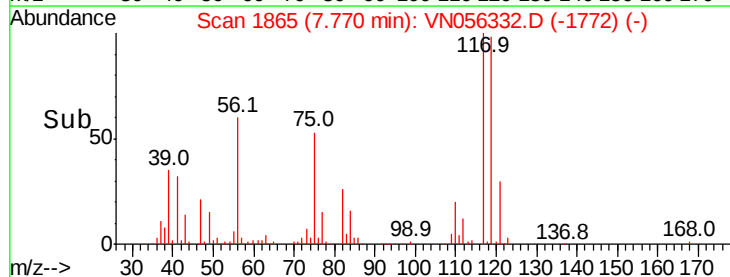
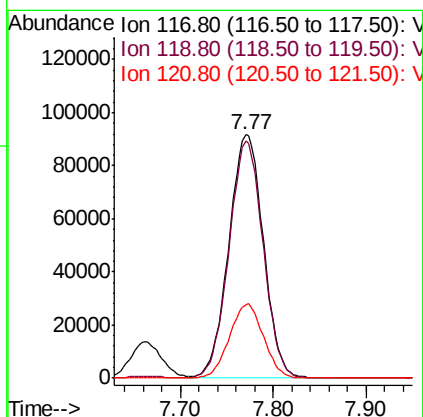
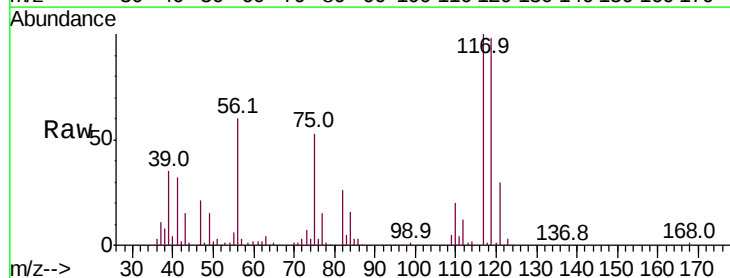
Delta R.T. 0.00 min

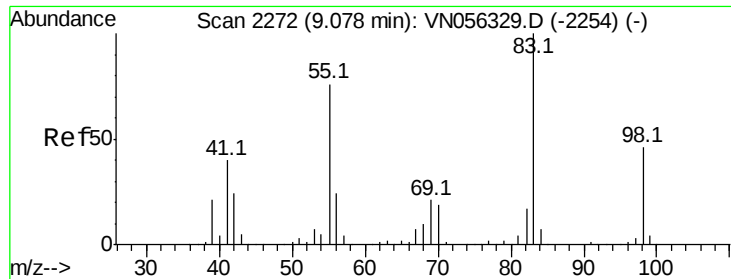
Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Tgt Ion: 117 Resp: 237449

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.8	116.8
121	30.3	25.3	37.9

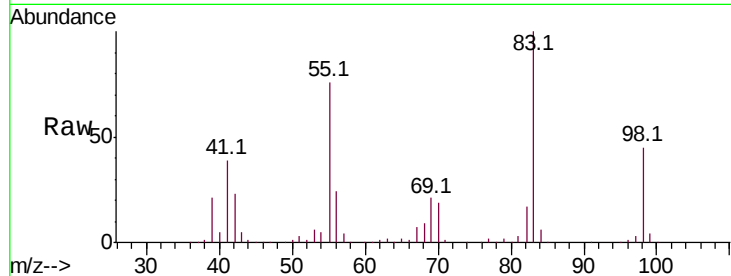




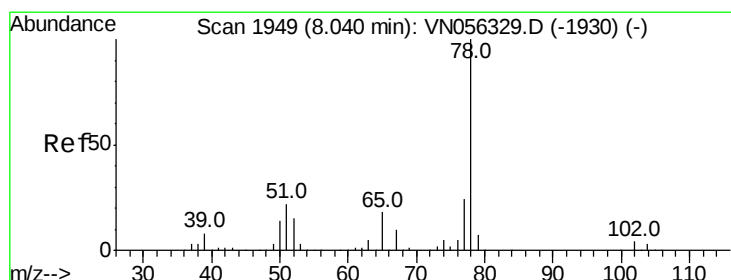
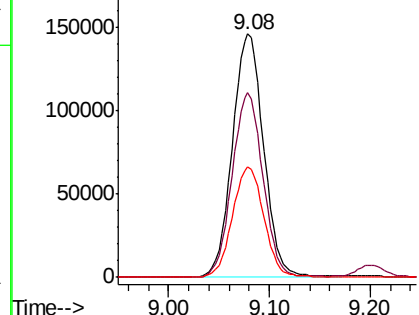
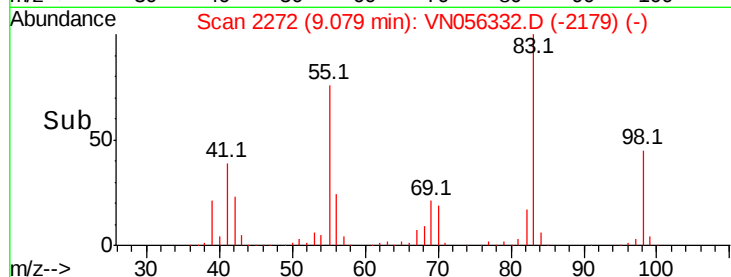
#39
Methvlcvclohexane
Concen: 50.153 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
ICVFN061719

Tot Ion: 83 Resp: 315718
Ion Ratio Lower Upper
83 100
55 75.8 60.8 91.2
98 45.2 36.8 55.2

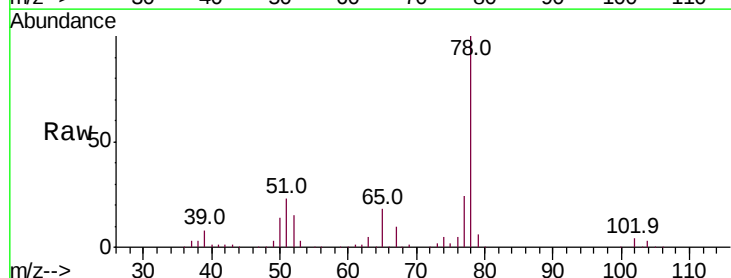


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

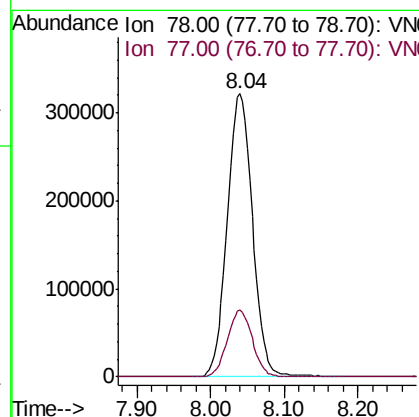
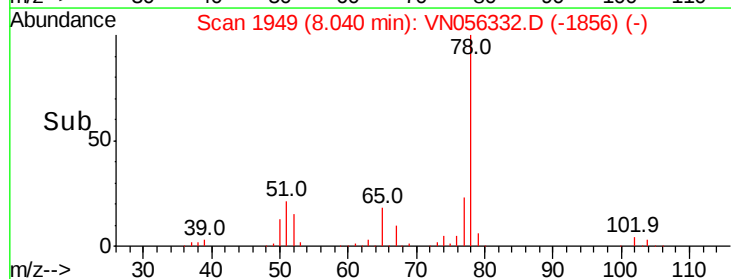


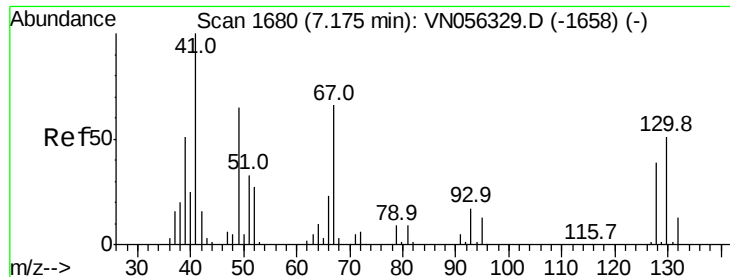
#40
Benzene
Concen: 49.131 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 78 Resp: 769163
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8



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

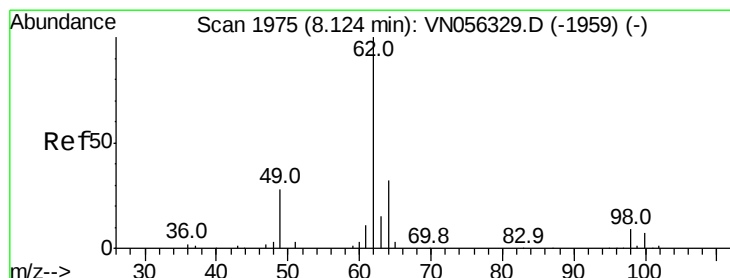
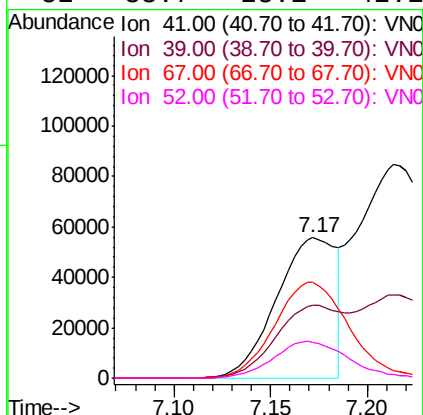
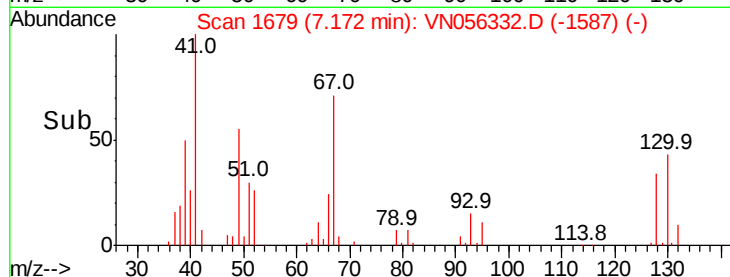
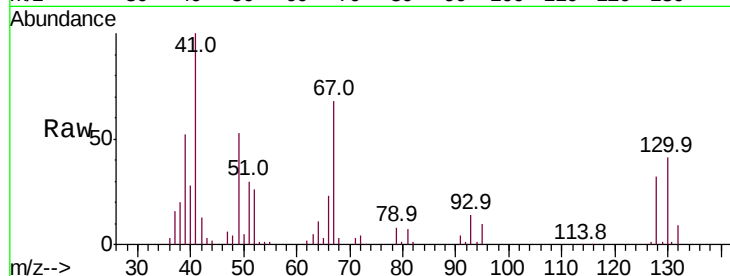




#41
Methacrylonitrile
Concen: 53.328 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

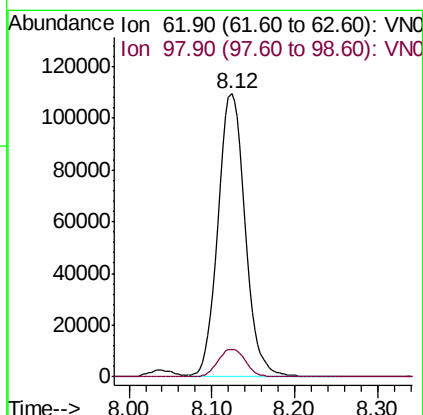
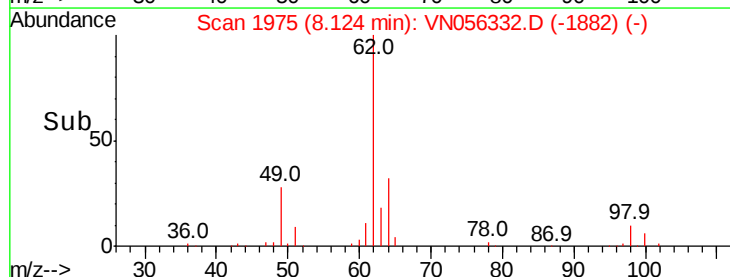
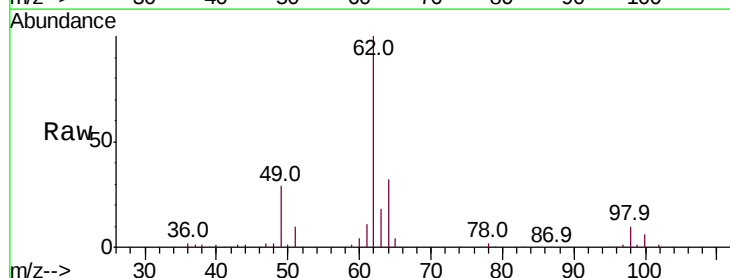
Instrument :
MSVOA_N
ClientSampled :
ICVVN061719

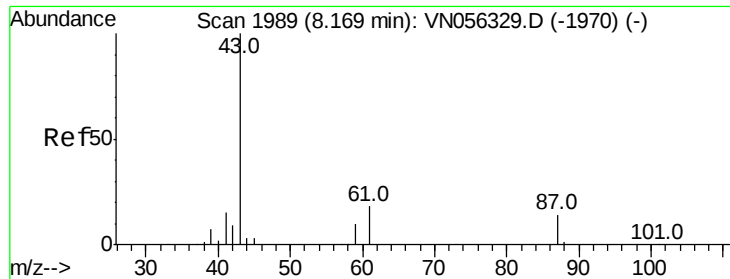
Tot Ion: 41 Resp: 119764
Ion Ratio Lower Upper
41 100
39 56.6 44.5 66.7
67 85.5 69.0 103.4
52 33.7 28.1 42.1



#42
1,2-Dichloroethane
Concen: 48.588 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 62 Resp: 249456
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 49.671 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICV061719

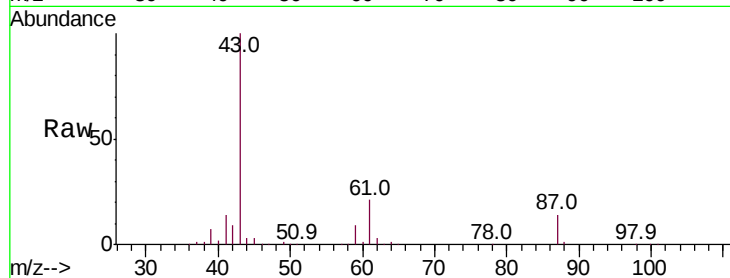
Tot Ion: 43 Resp: 388608

Ion Ratio Lower Upper

43 100

61 21.0 16.6 25.0

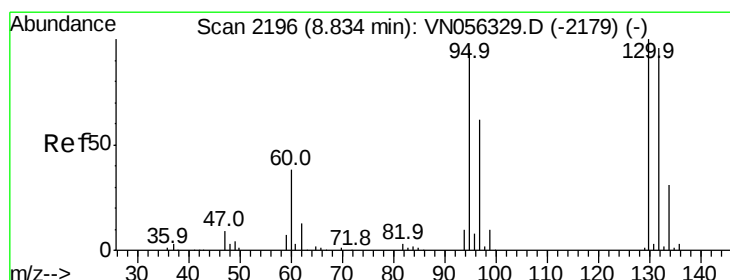
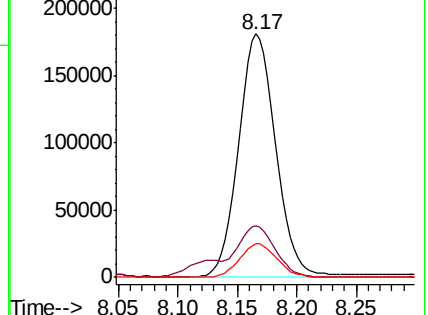
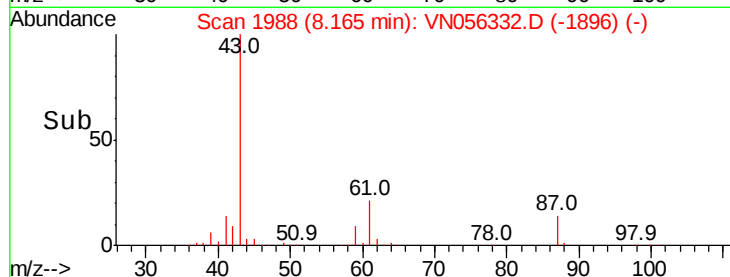
87 14.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056332.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056332.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056332.D (-1970) (-)



#44

Trichloroethene

Concen: 49.032 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056332.D

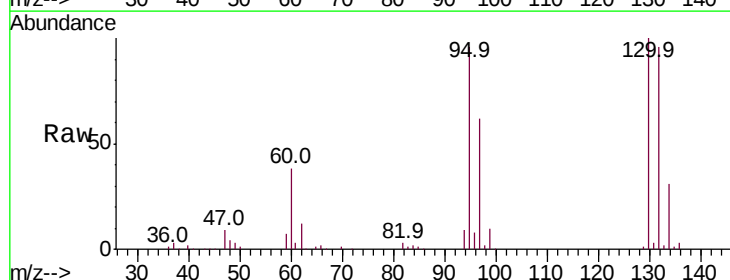
Acq: 17 Jun 2019 11:12

Tgt Ion:130 Resp: 208749

Ion Ratio Lower Upper

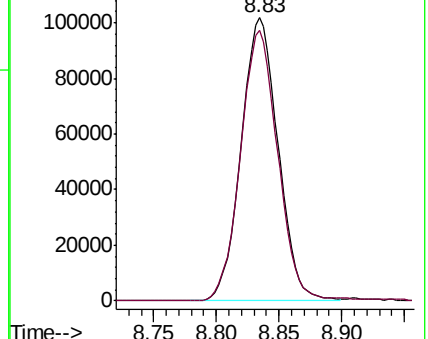
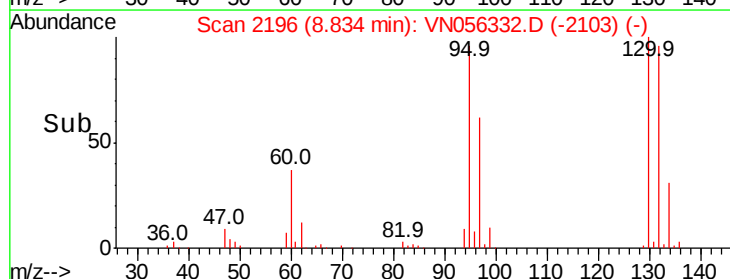
130 100

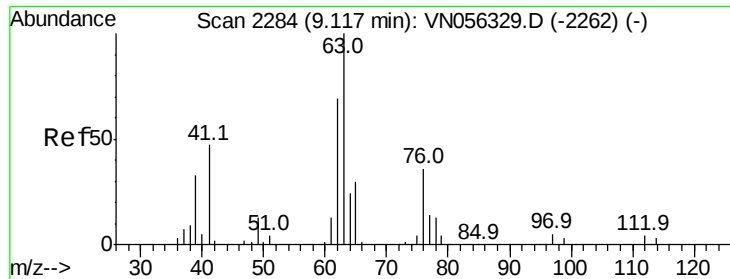
95 95.7 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): VN056332.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056332.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 49.412 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

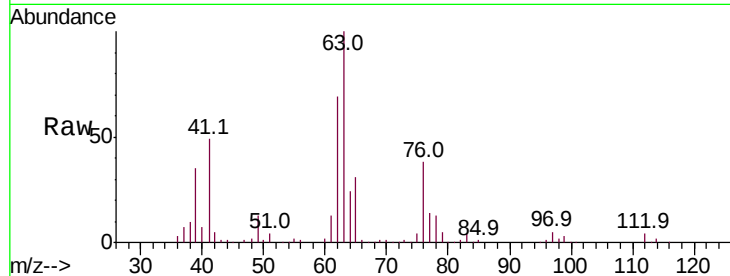
ICV061719

Tot Ion: 63 Resp: 204442

Ion Ratio Lower Upper

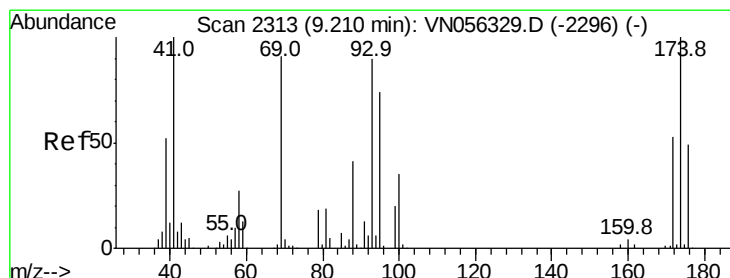
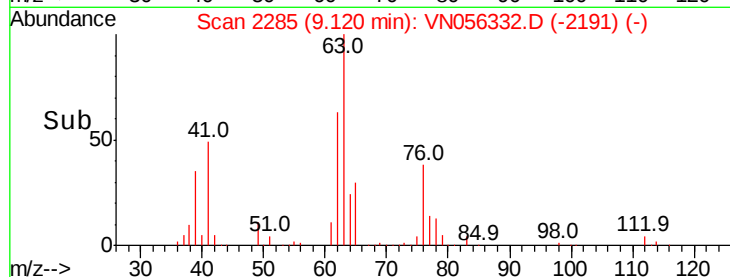
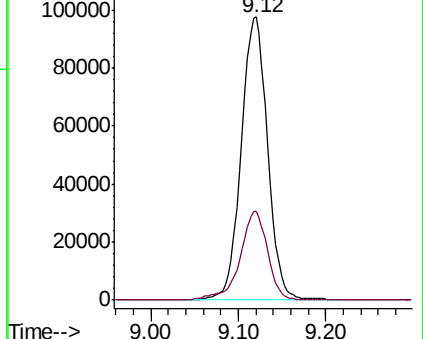
63 100

65 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.907 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

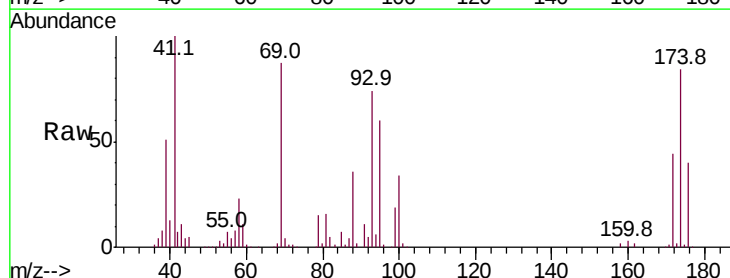
Tgt Ion: 93 Resp: 134471

Ion Ratio Lower Upper

93 100

95 81.9 67.2 100.8

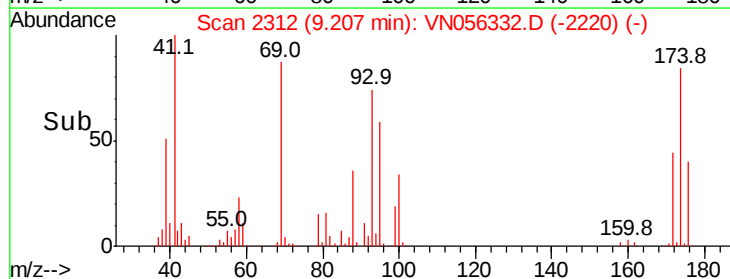
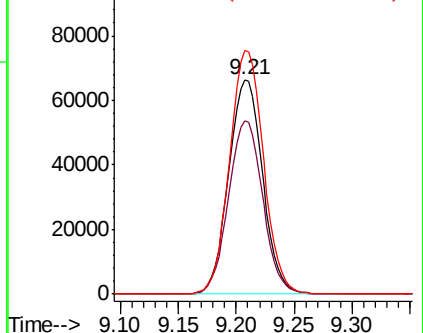
174 113.5 90.3 135.5

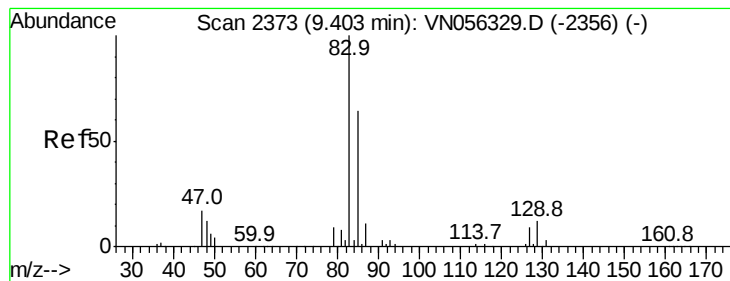


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.290 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

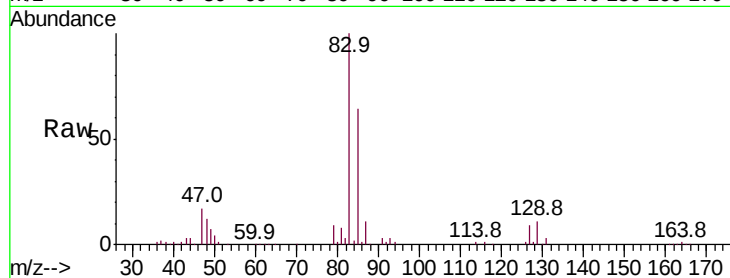
Tot Ion: 83 Resp: 253662

Ion Ratio Lower Upper

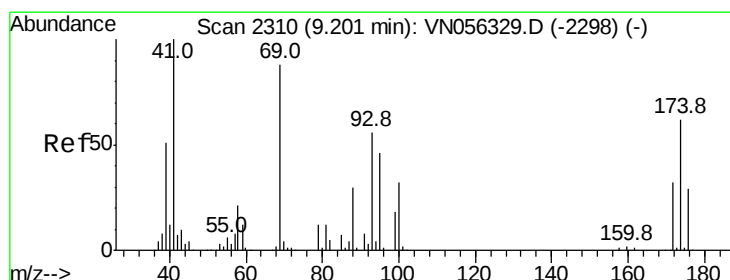
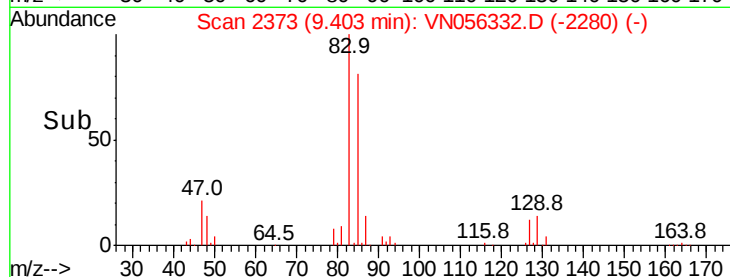
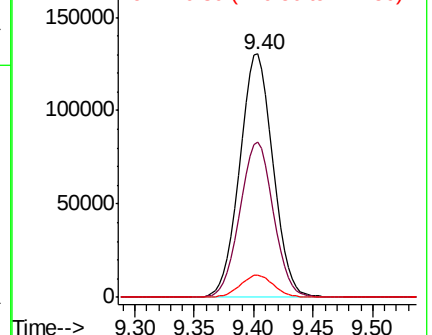
83 100

85 63.9 51.1 76.7

127 9.2 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 48.127 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

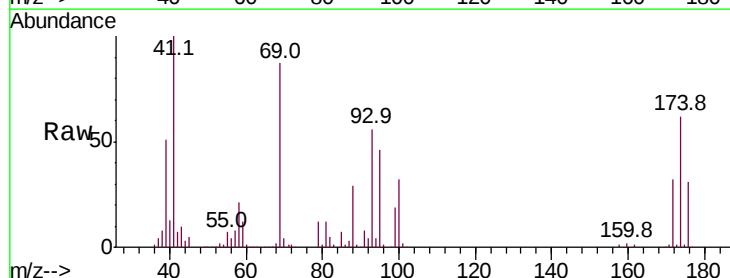
Tgt Ion: 41 Resp: 189967

Ion Ratio Lower Upper

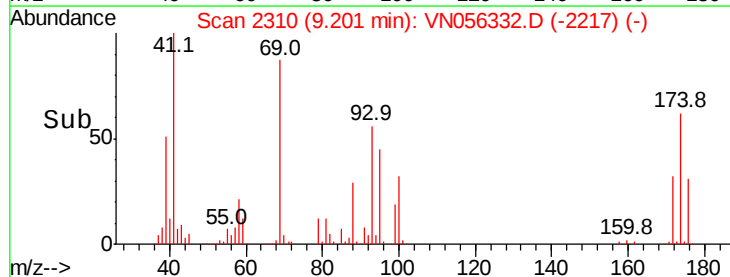
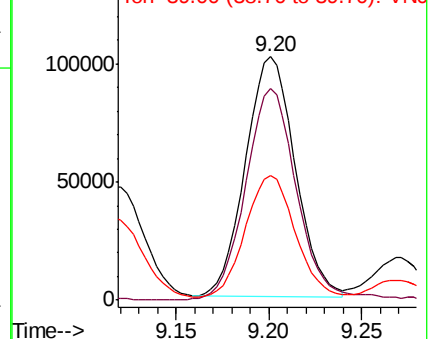
41 100

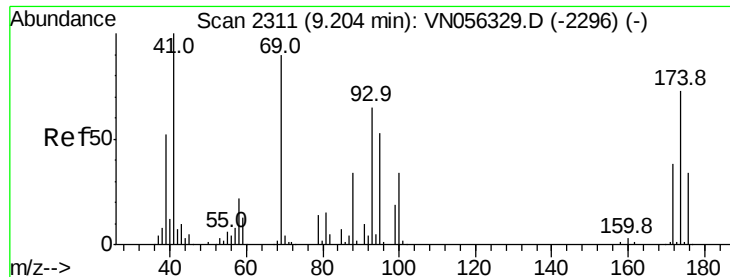
69 90.8 71.0 106.6

39 53.4 41.7 62.5



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1012.154 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

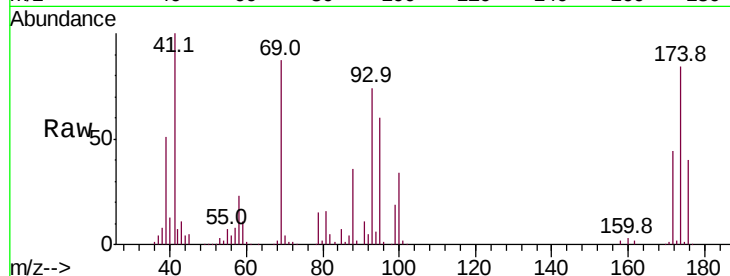
Tot Ion: 88 Resp: 80594

Ion Ratio Lower Upper

88 100

43 25.5 21.9 32.9

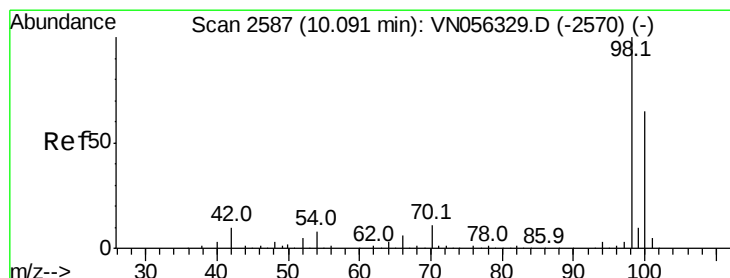
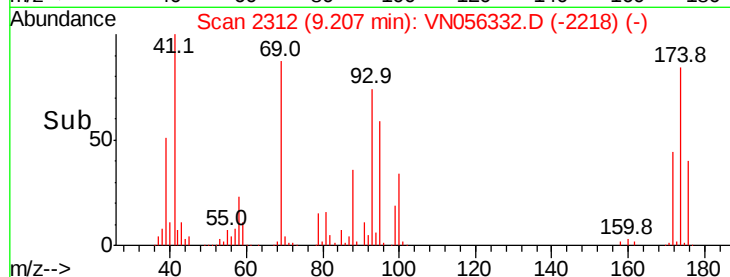
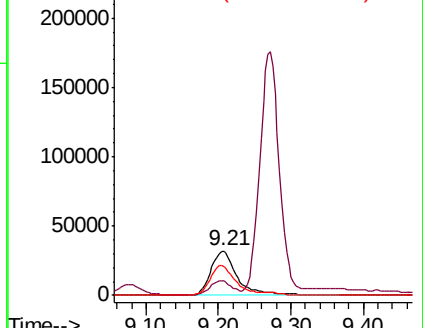
58 68.8 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.055 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056332.D

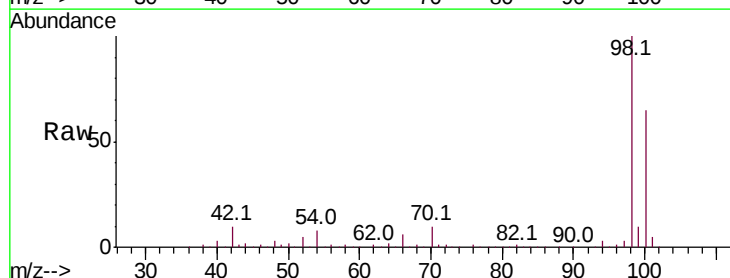
Acq: 17 Jun 2019 11:12

Tgt Ion: 98 Resp: 703268

Ion Ratio Lower Upper

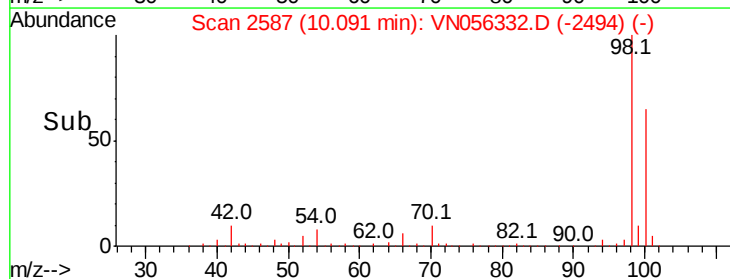
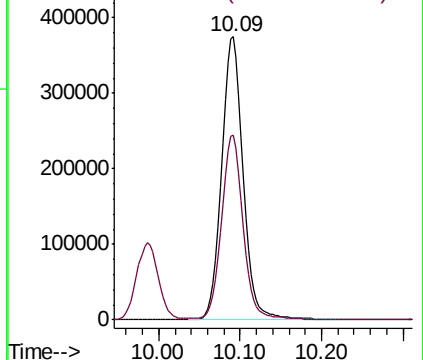
98 100

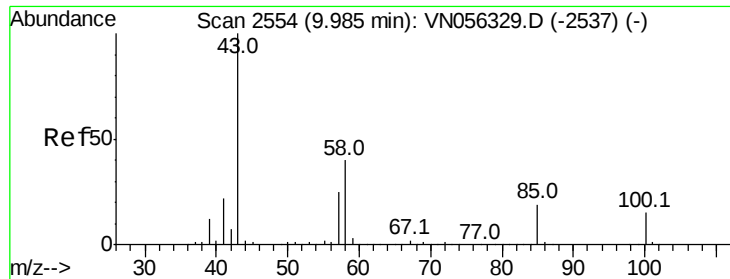
100 65.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 249.923 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

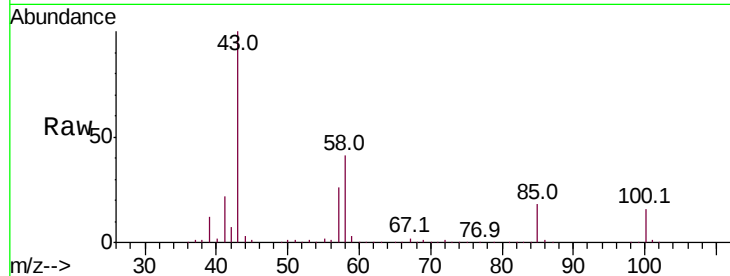
ICVFN061719

Tot Ion: 43 Resp: 1246189

Ion Ratio Lower Upper

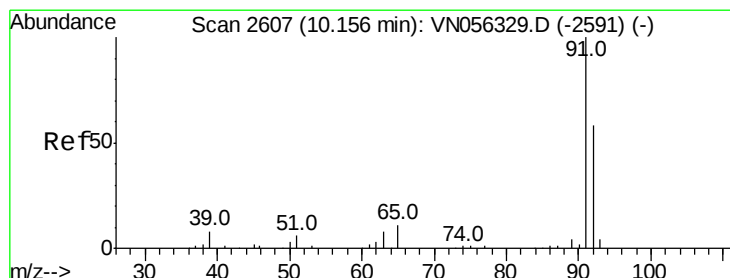
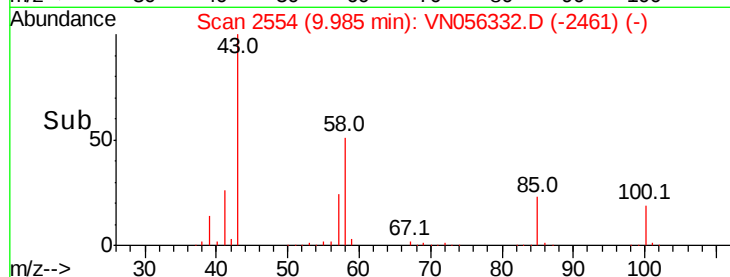
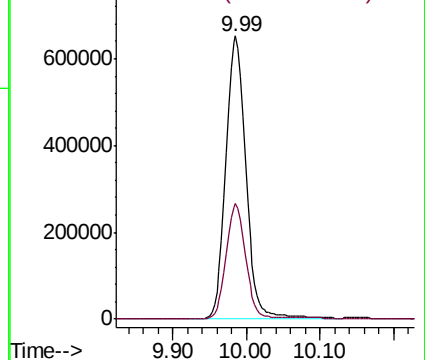
43 100

58 39.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.773 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056332.D

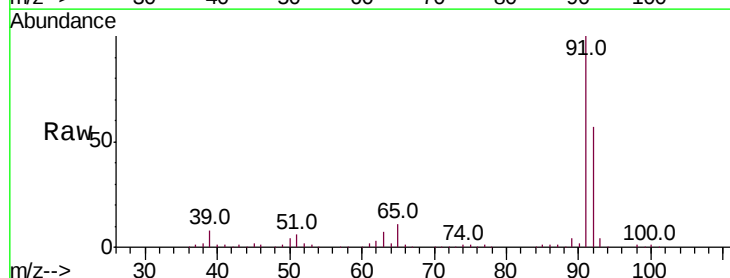
Acq: 17 Jun 2019 11:12

Tgt Ion: 92 Resp: 475613

Ion Ratio Lower Upper

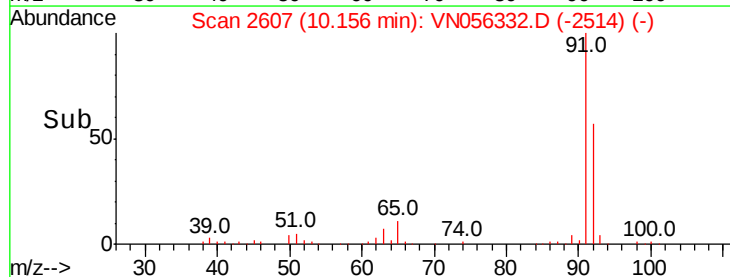
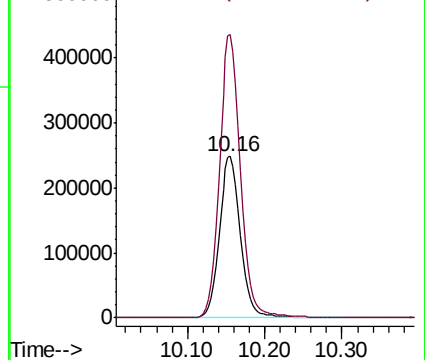
92 100

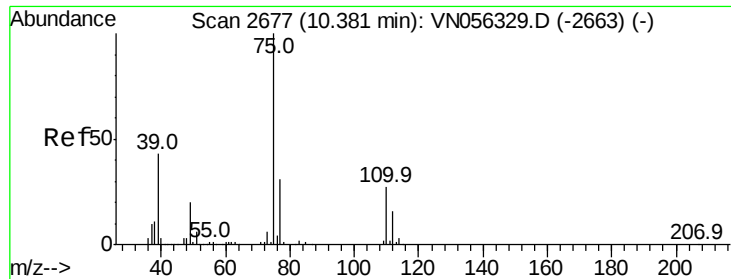
91 175.3 139.1 208.7



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: 51.063 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

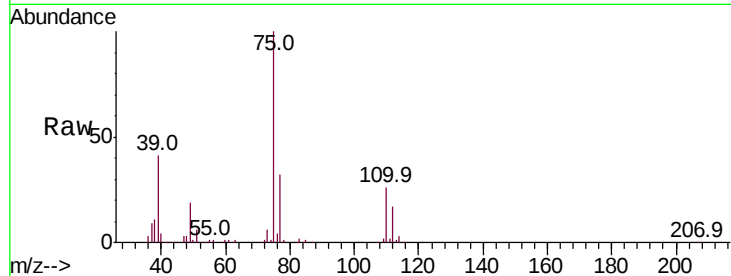
ICVVN061719

Tot Ion: 75 Resp: 266336

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

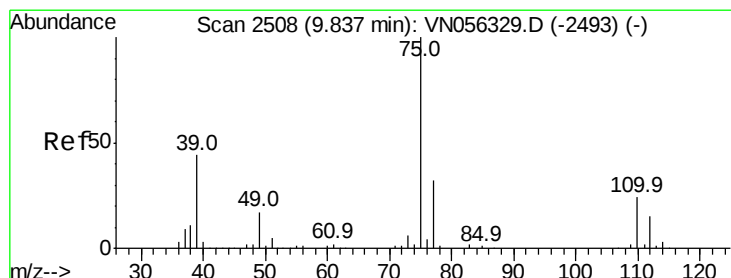
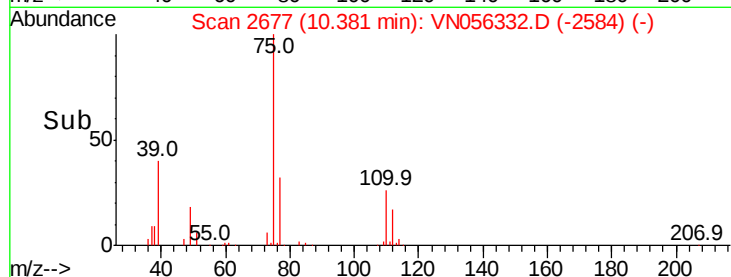
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.512 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

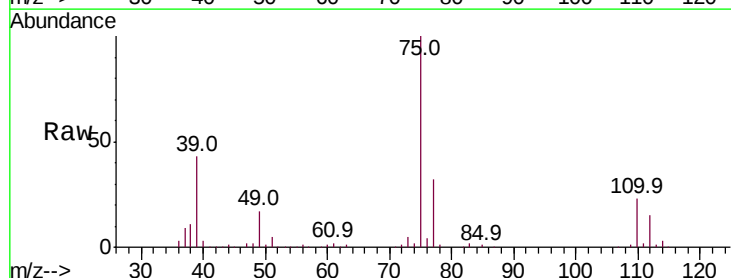
Tgt Ion: 75 Resp: 309900

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 43.0 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

9.84

200000

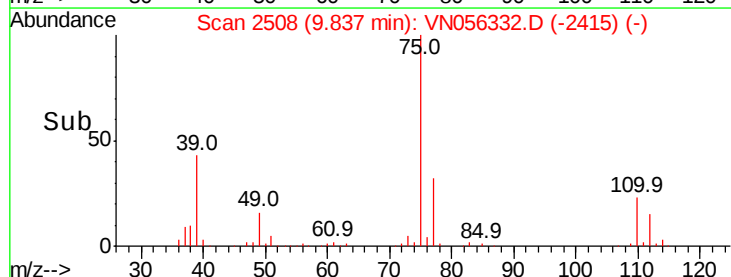
150000

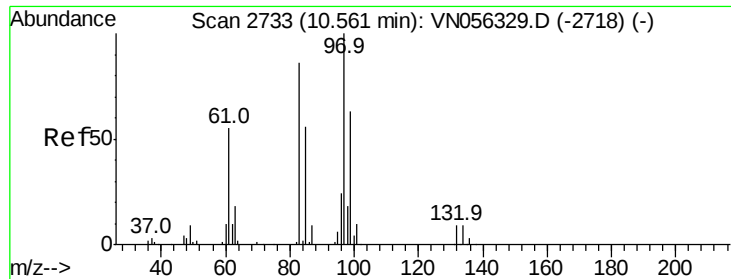
100000

50000

0

Time-->

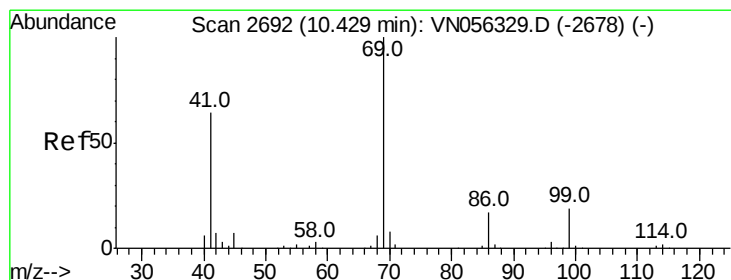
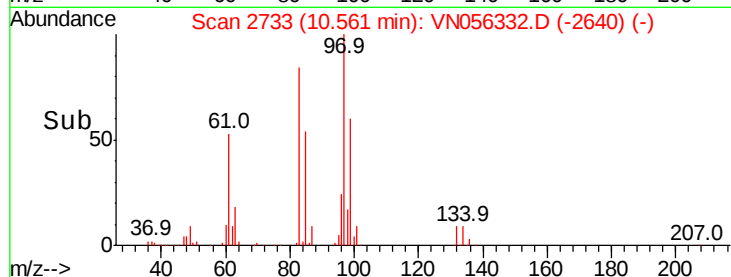
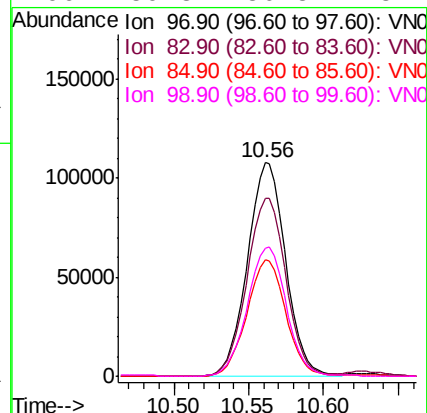
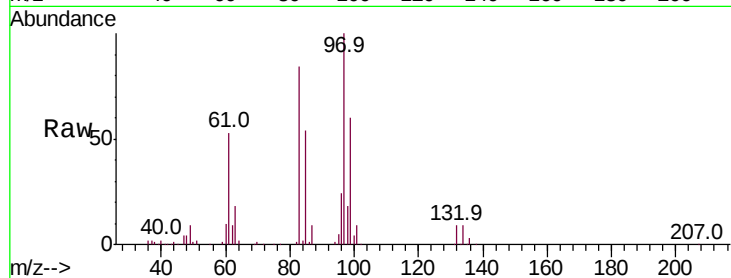




#55
 1,1,2-Trichloroethane
 Concen: 48.783 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

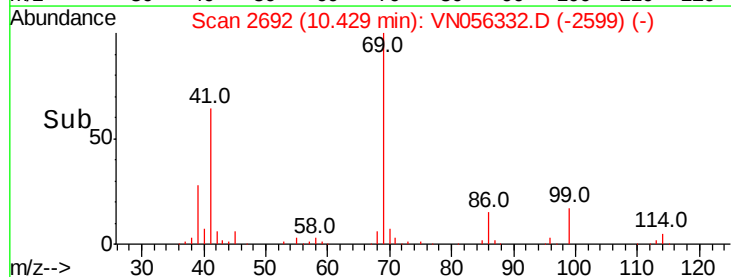
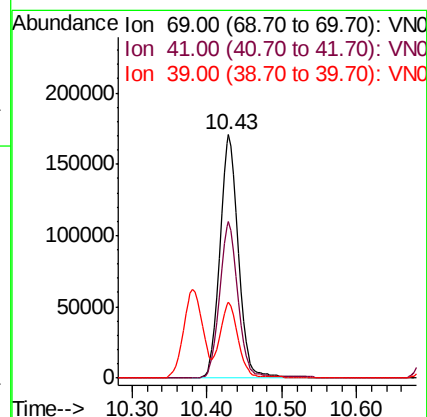
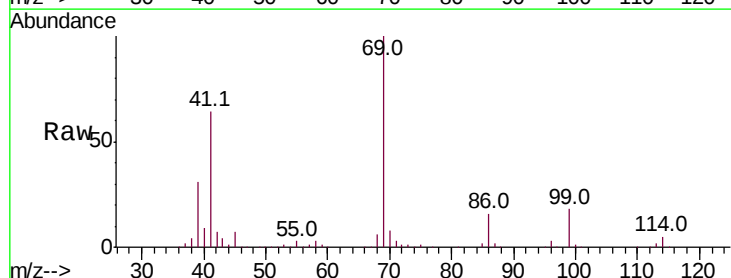
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061719

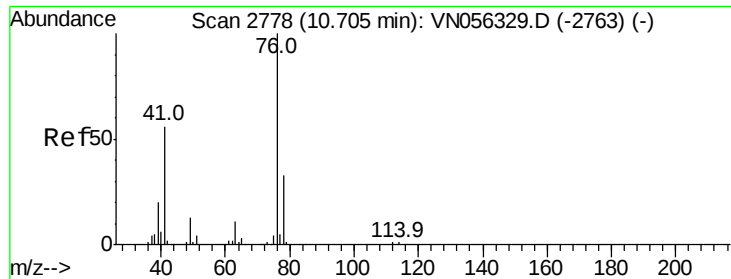
Tot Ion:	97	Resp:	191576
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.0	103.4
85	54.4	44.6	67.0
99	59.8	50.5	75.7



#56
 Ethyl methacrylate
 Concen: 52.112 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

Tgt Ion:	69	Resp:	294313
Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.0	78.0
39	30.4	24.4	36.6





#57

1,3-Dichloropropane

Concen: 48.583 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

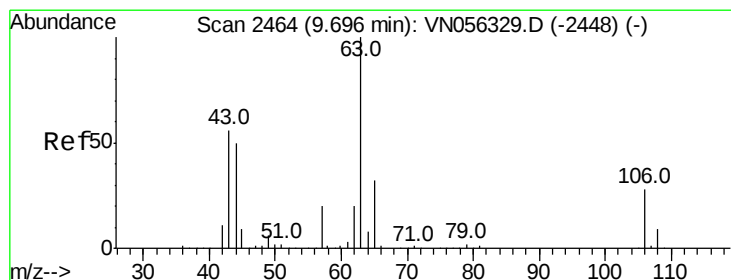
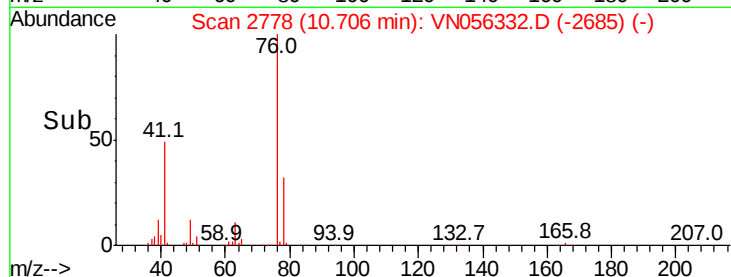
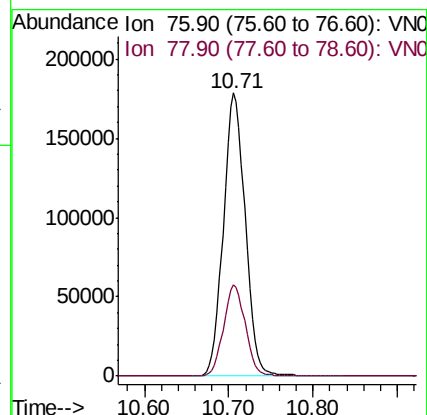
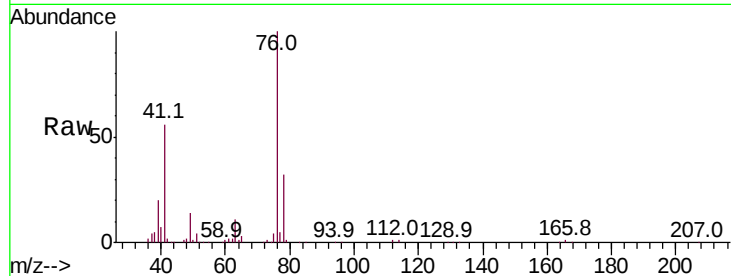
ICV061719

Tot Ion: 76 Resp: 321370

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 226.253 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056332.D

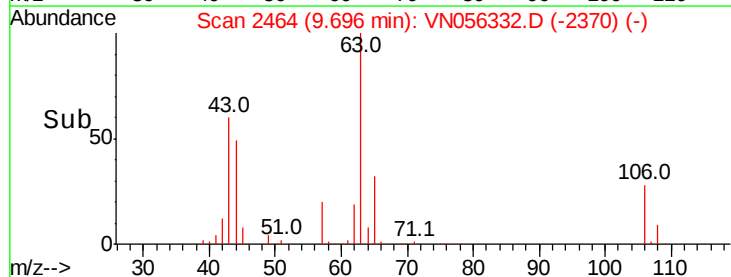
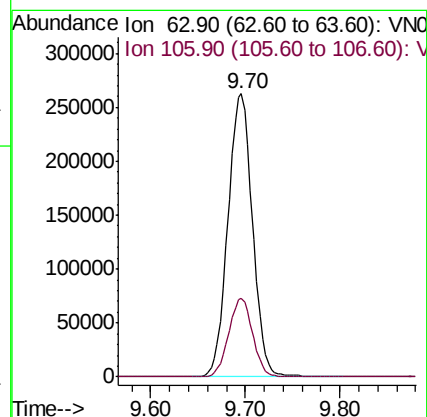
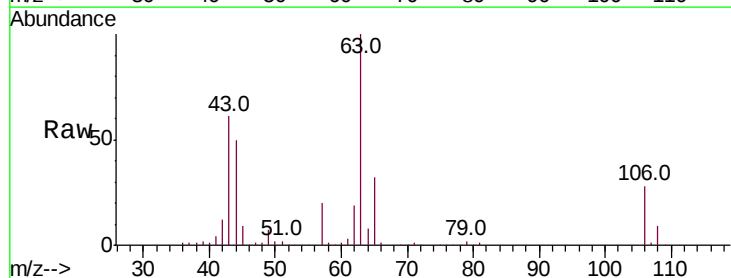
Acq: 17 Jun 2019 11:12

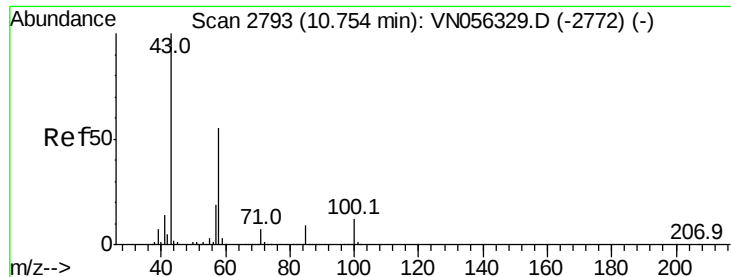
Tgt Ion: 63 Resp: 474291

Ion Ratio Lower Upper

63 100

106 27.0 22.2 33.2

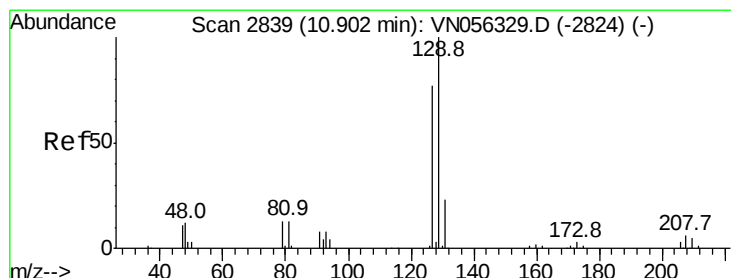
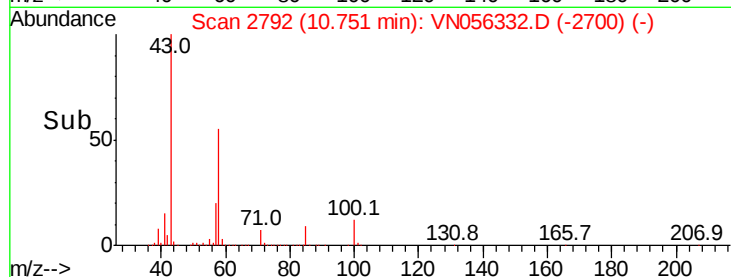
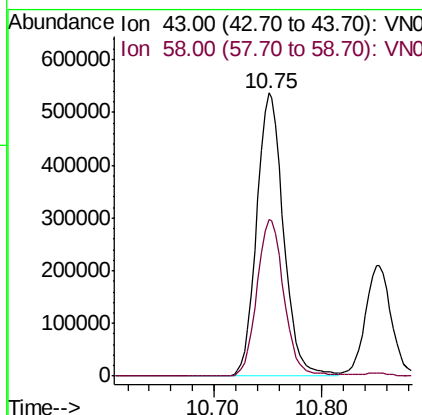
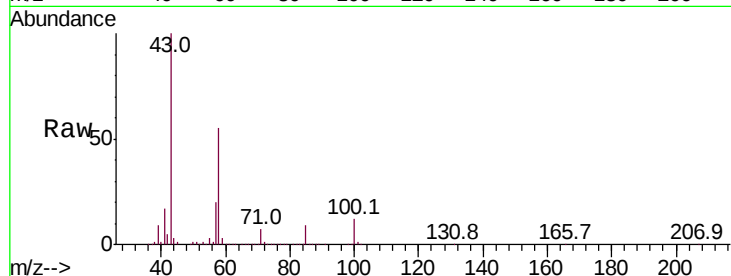




#59
2-Hexanone
Concen: 249.859 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

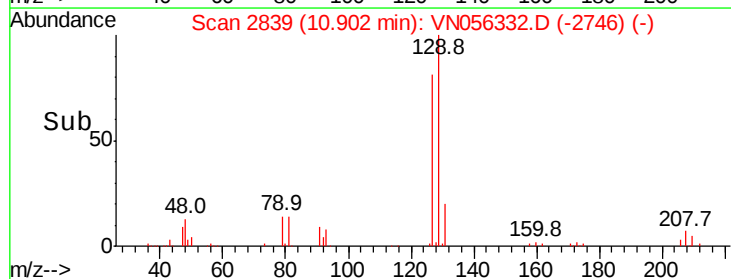
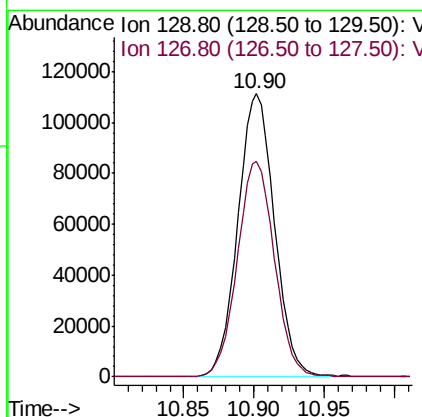
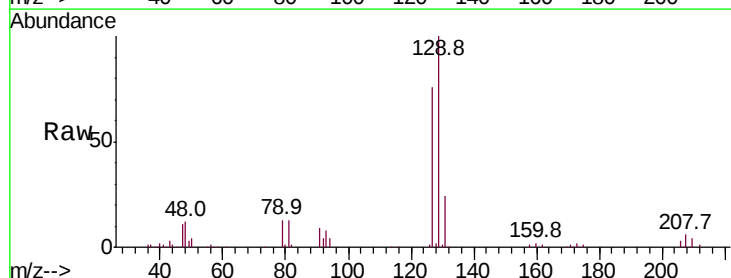
Instrument :
MSVOA_N
ClientSampleId :
ICVFN061719

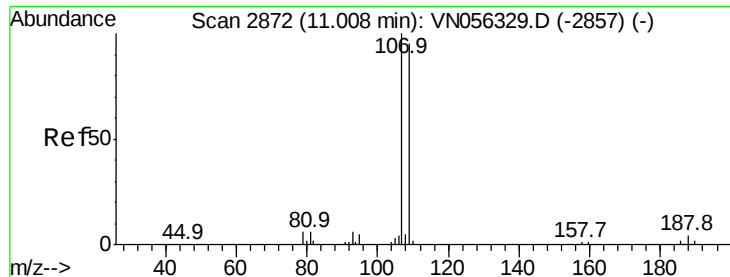
Tot Ion: 43 Resp: 923990
Ion Ratio Lower Upper
43 100
58 56.0 27.8 83.4



#60
Dibromochloromethane
Concen: 49.193 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 129 Resp: 202623
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.585 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

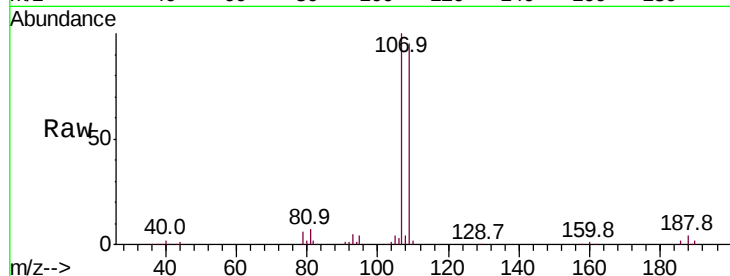
ICVFN061719

Tot Ion:107 Resp: 200167

Ion Ratio Lower Upper

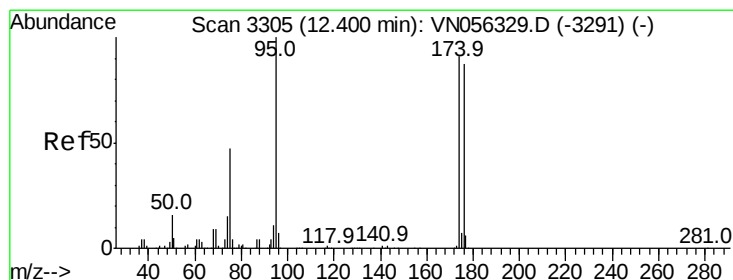
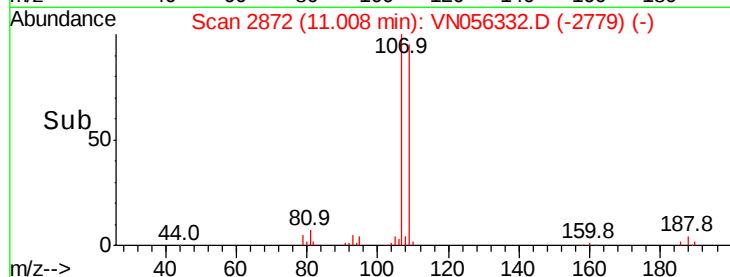
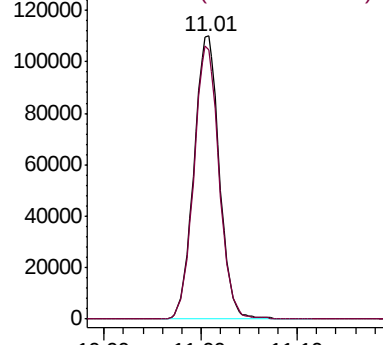
107 100

109 96.1 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: 52.200 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

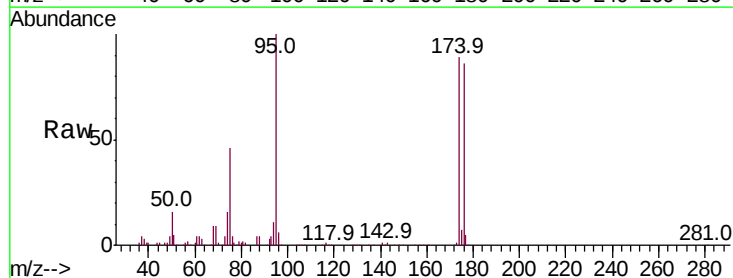
Tgt Ion: 95 Resp: 243034

Ion Ratio Lower Upper

95 100

174 89.8 0.0 182.6

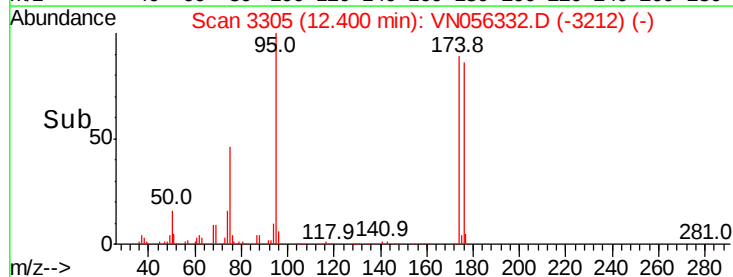
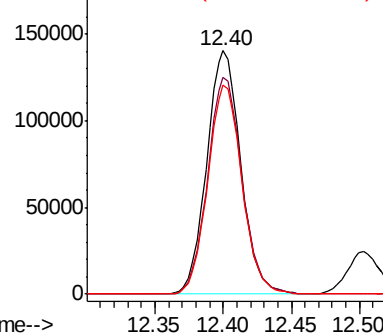
176 86.5 0.0 176.8

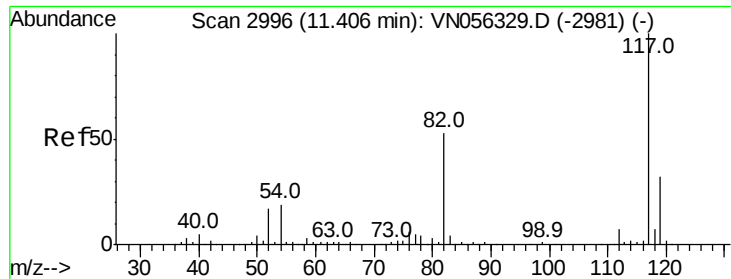


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

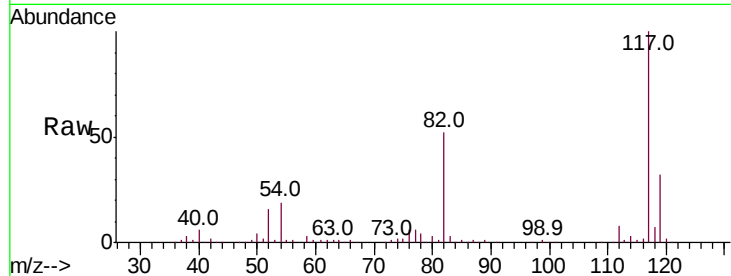




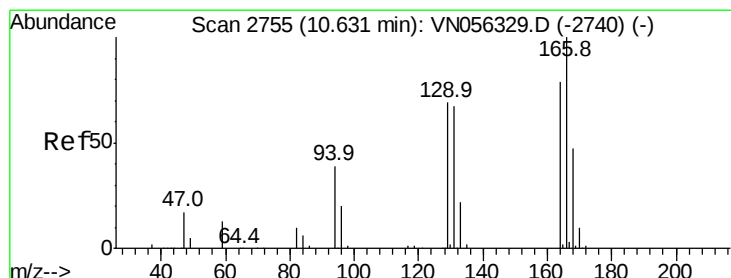
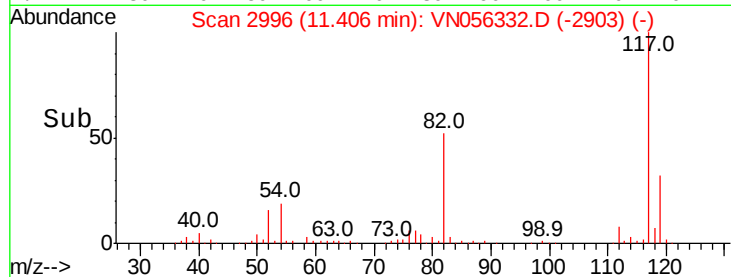
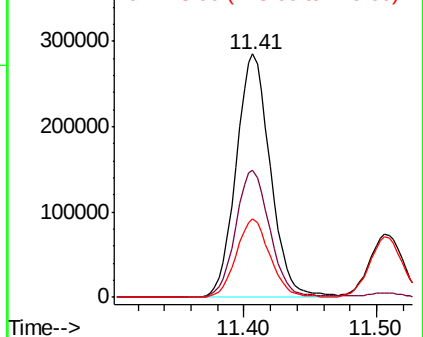
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

Tot Ion:117 Resp: 512093
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 32.0 26.0 39.0

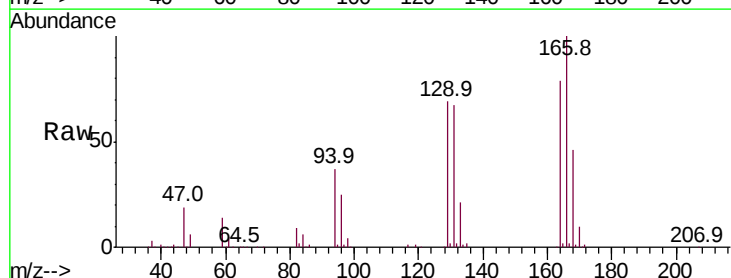


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

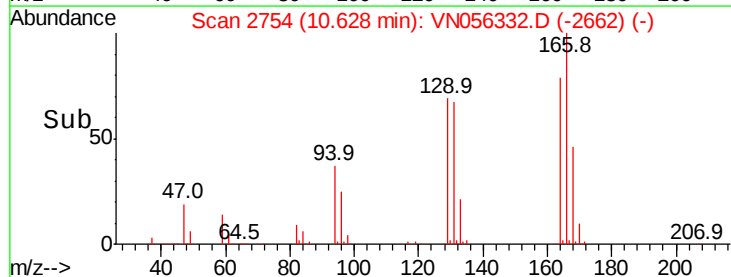
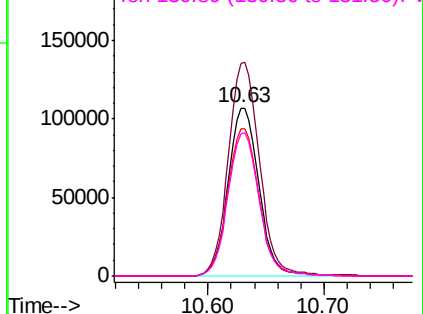


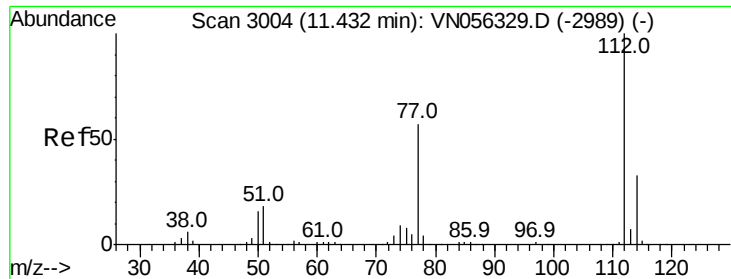
#64
Tetrachloroethene
Concen: 46.963 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion:164 Resp: 197221
Ion Ratio Lower Upper
164 100
166 126.7 101.8 152.6
129 87.3 70.3 105.5
131 85.0 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: 49.303 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

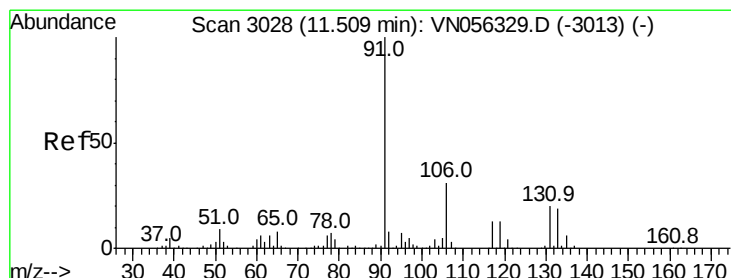
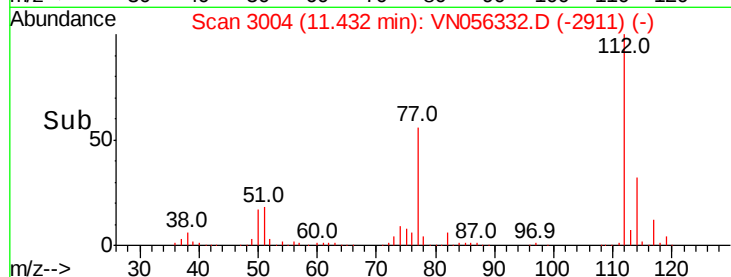
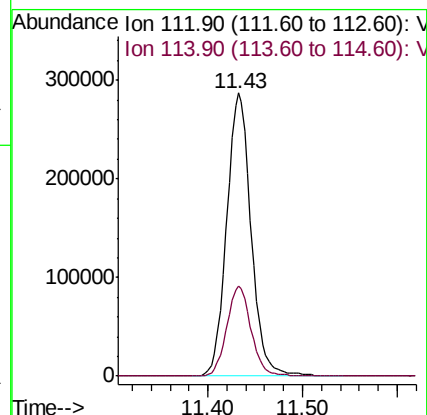
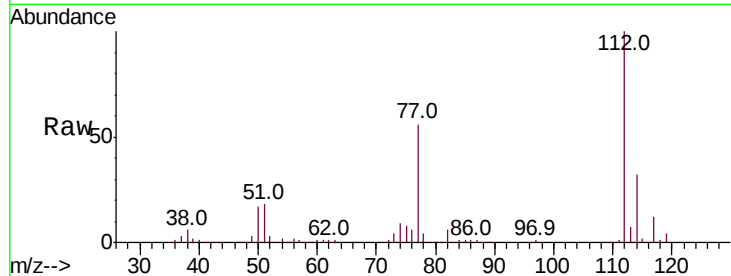
ICV061719

Tot Ion:112 Resp: 512588

Ion Ratio Lower Upper

112 100

114 32.0 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 48.177 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

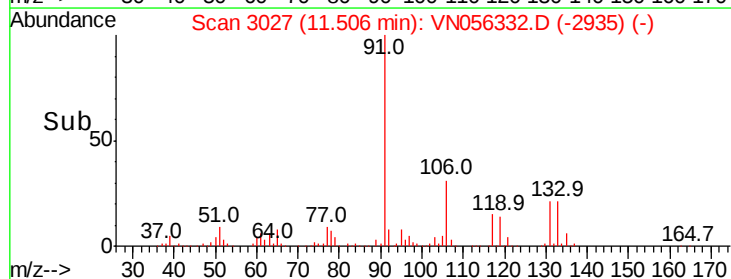
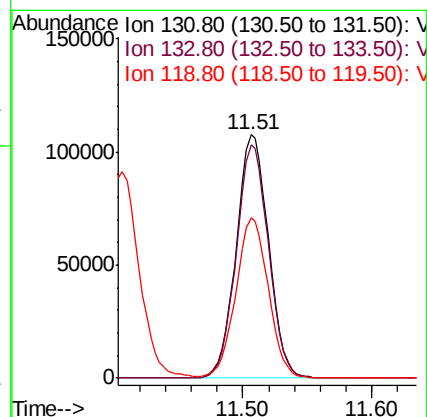
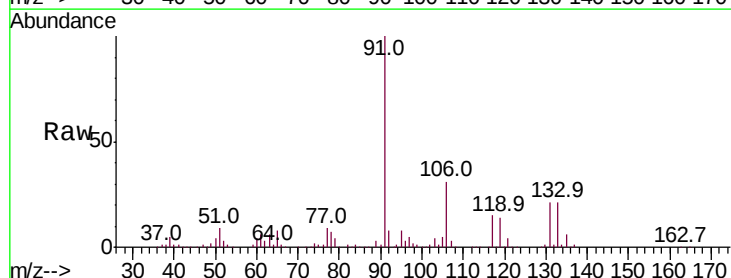
Tgt Ion:131 Resp: 186991

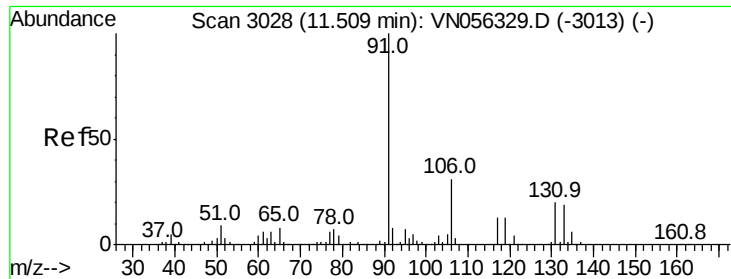
Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.7

119 66.6 33.5 100.5

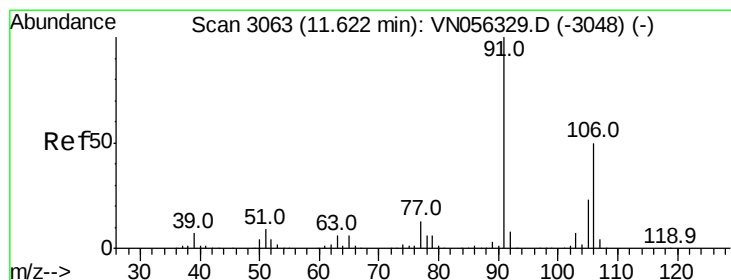
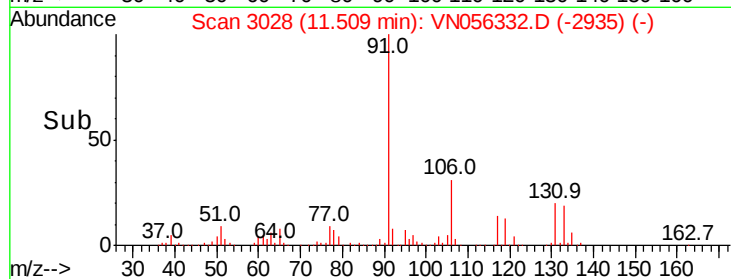
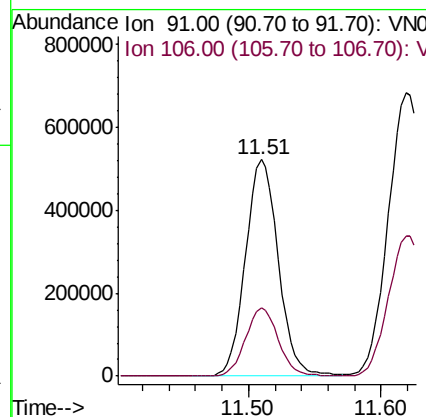
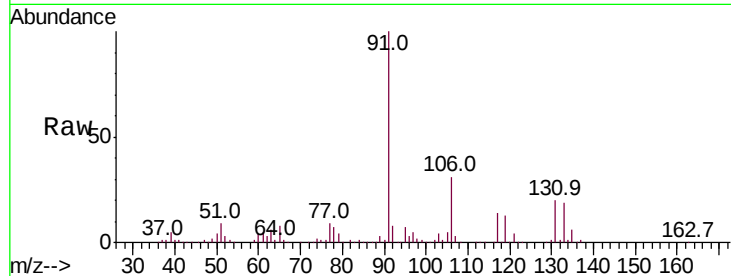




#67
Ethyl Benzene
Concen: 50.243 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

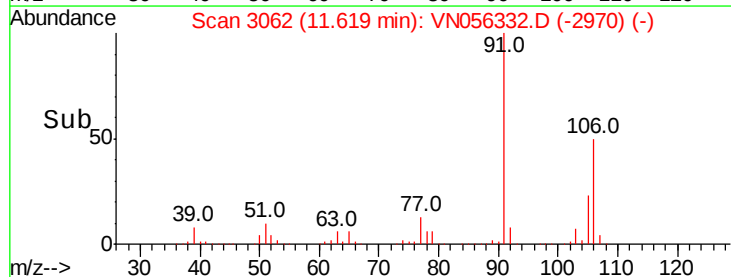
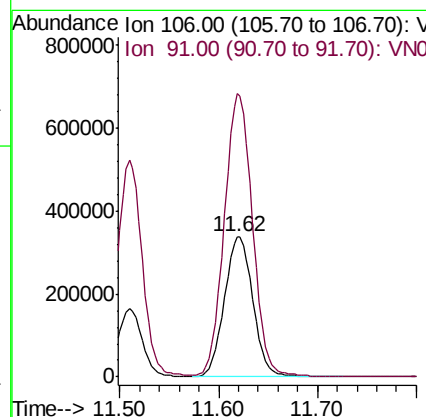
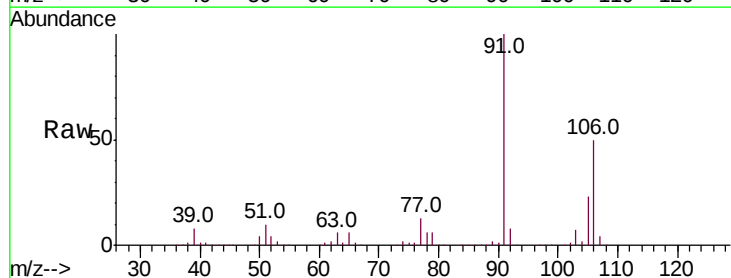
Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

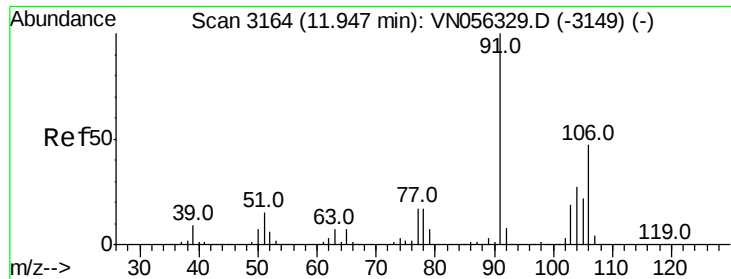
Tot Ion: 91 Resp: 899135
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 103.097 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 106 Resp: 686699
Ion Ratio Lower Upper
106 100
91 199.9 160.7 241.1

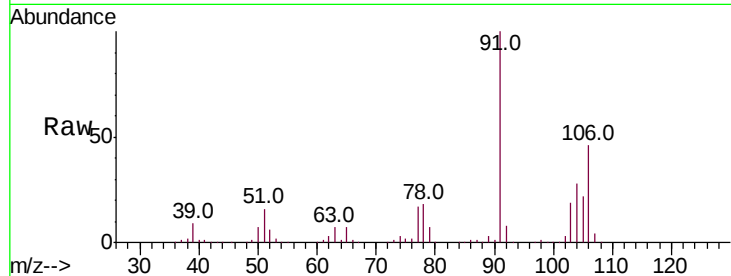




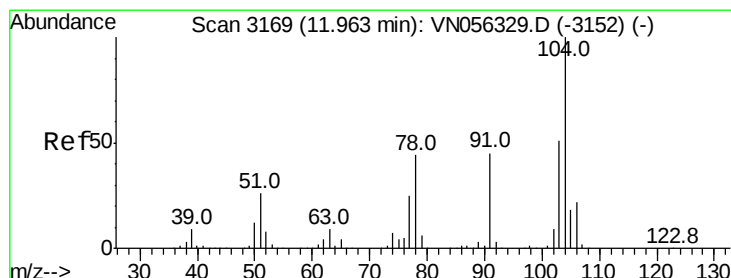
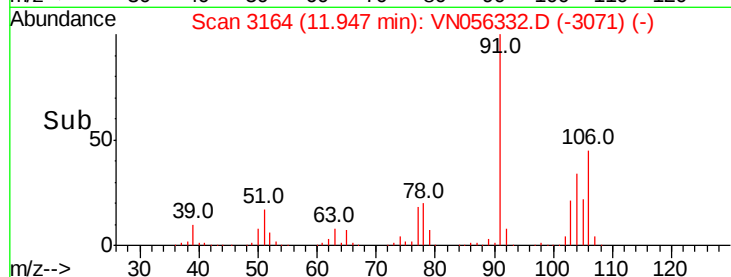
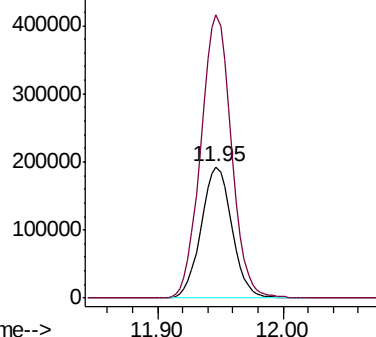
#69
o-Xylene
Concen: 50.083 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampled :
ICVFN061719

Tot Ion:106 Resp: 328832
Ion Ratio Lower Upper
106 100
91 214.3 105.6 316.7

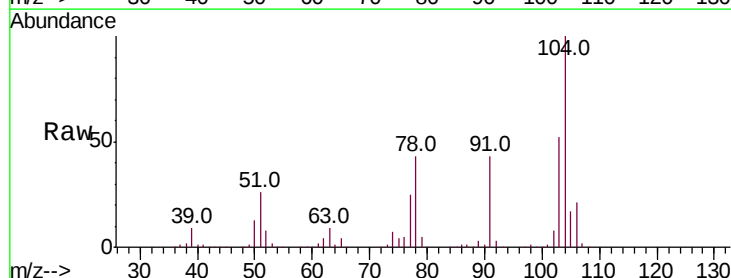


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

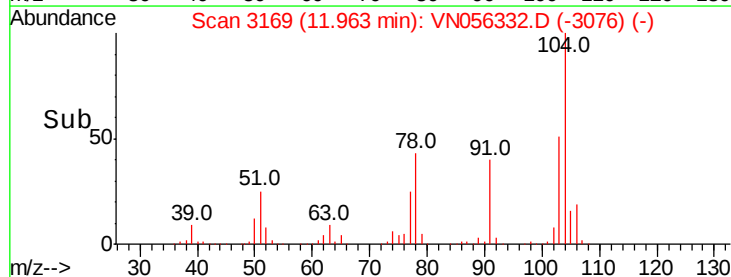
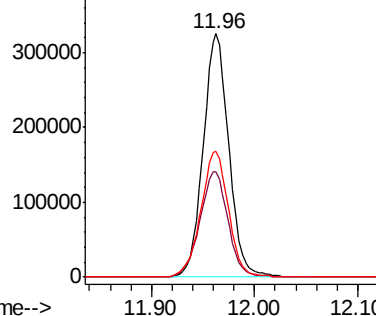


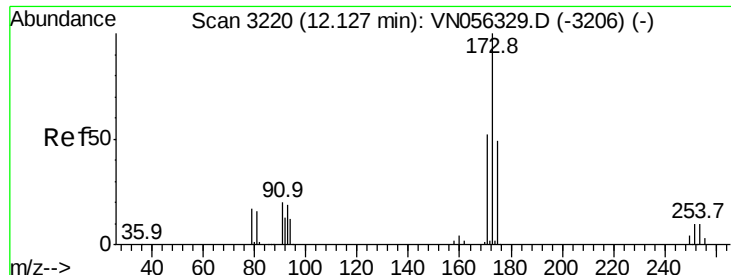
#70
Styrene
Concen: 53.177 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion:104 Resp: 563691
Ion Ratio Lower Upper
104 100
78 47.7 38.4 57.6
103 55.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

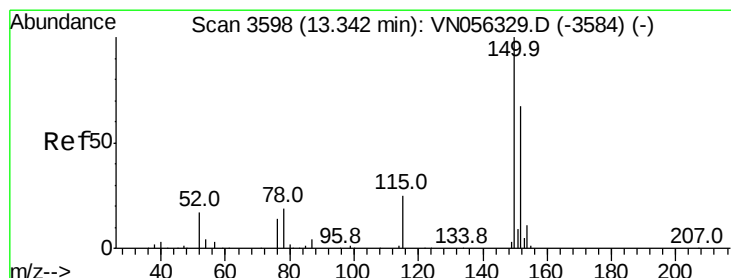
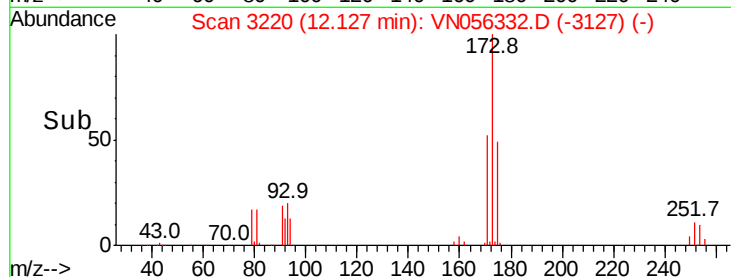
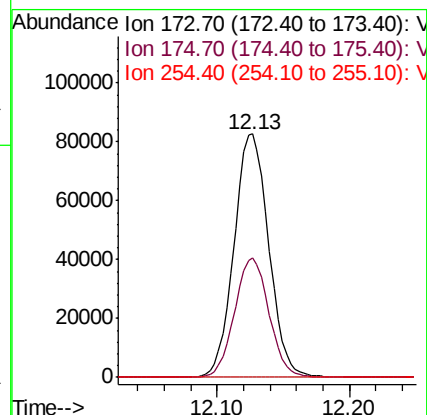
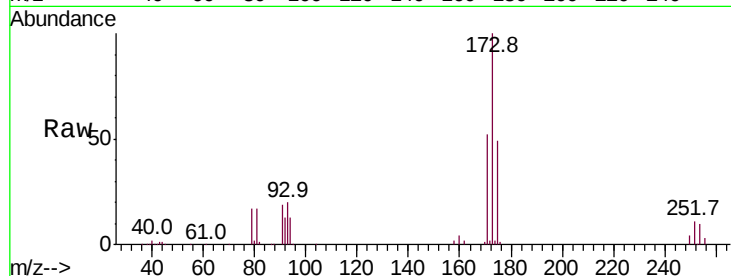




#71
Bromoform
Concen: 49.697 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

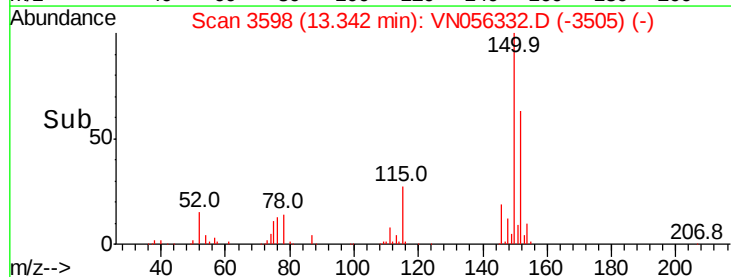
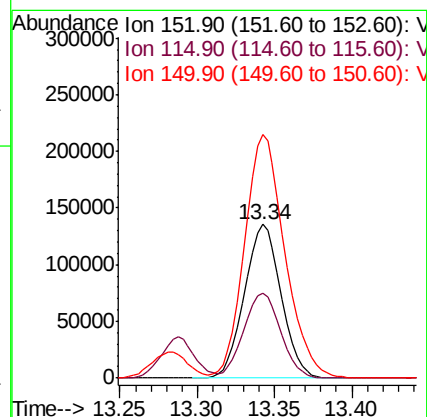
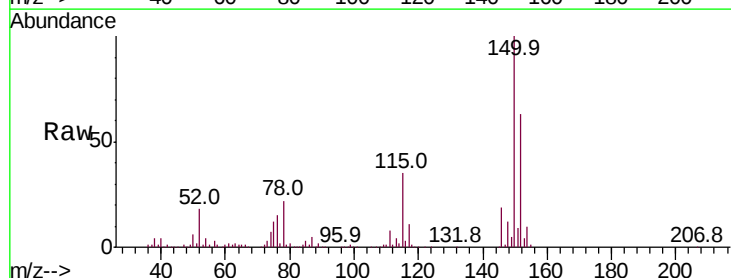
Instrument :
MSVOA_N
ClientSampled :
ICVFN061719

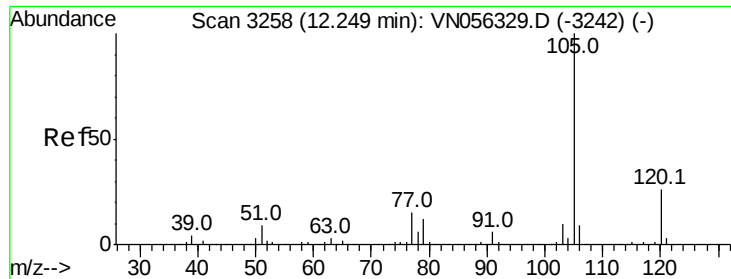
Tot Ion:173 Resp: 149905
Ion Ratio Lower Upper
173 100
175 48.8 24.3 73.0
254 0.0 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion:152 Resp: 223456
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.3
150 174.0 0.0 345.8





#73

Isopropylbenzene

Concen: 53.578 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

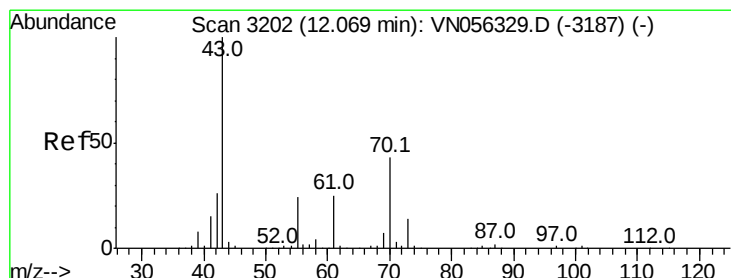
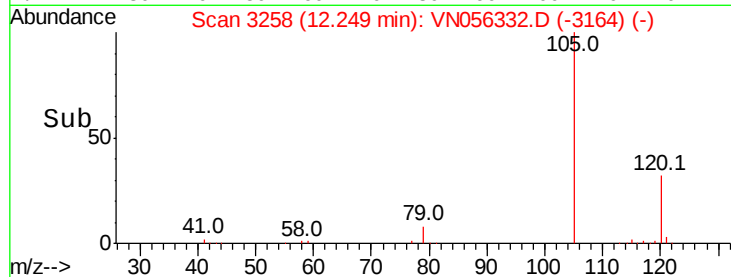
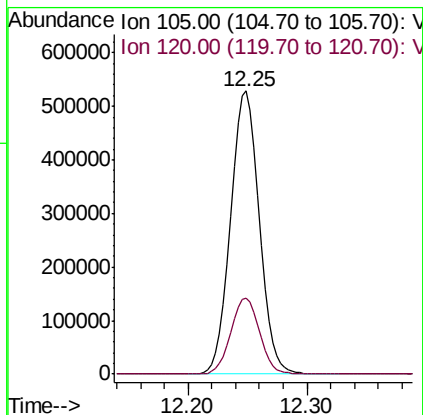
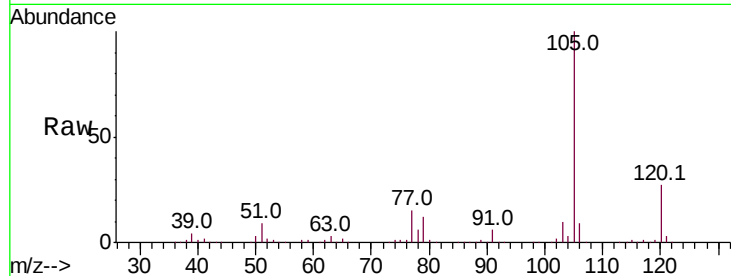
ICVFN061719

Tot Ion:105 Resp: 883420

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



#74

N-ethyl acetate

Concen: 47.898 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Tgt Ion: 43 Resp: 336351

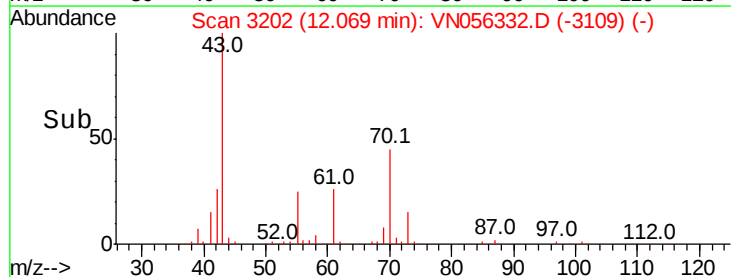
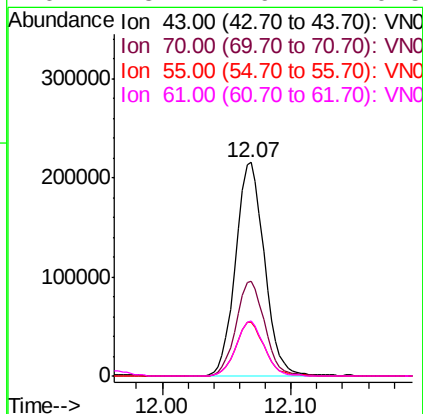
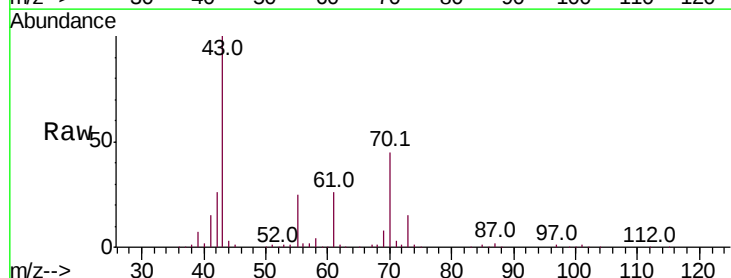
Ion Ratio Lower Upper

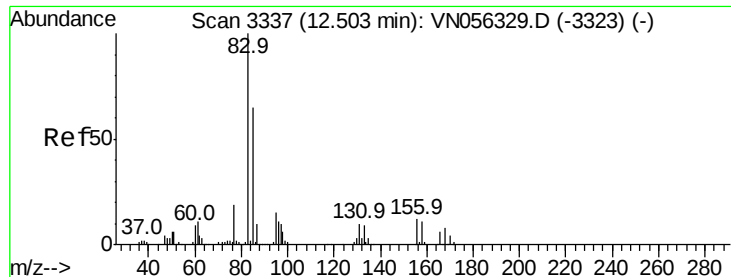
43 100

70 44.2 34.2 51.2

55 24.9 19.9 29.9

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.064 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

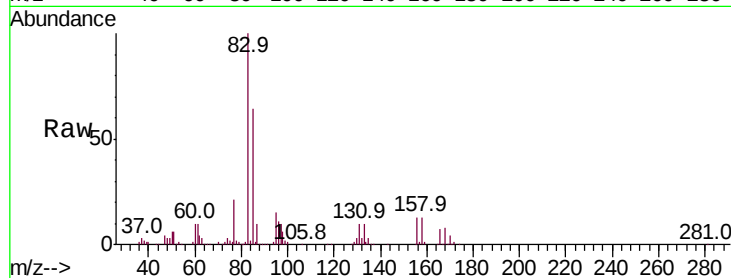
Tot Ion: 83 Resp: 274068

Ion Ratio Lower Upper

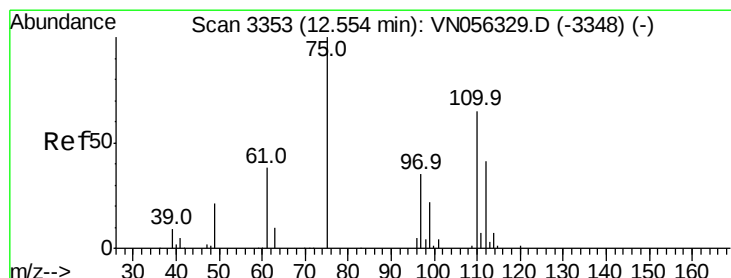
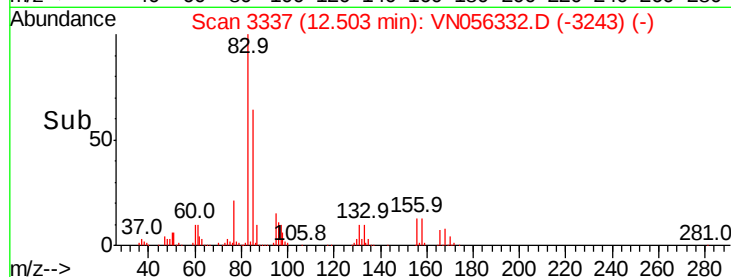
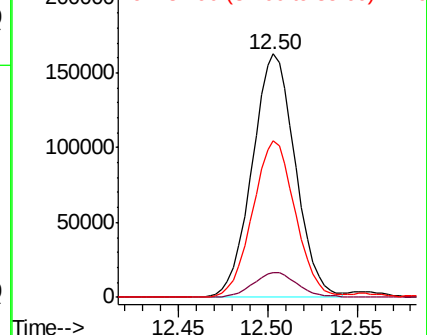
83 100

131 10.5 5.3 15.8

85 63.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.943 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056332.D

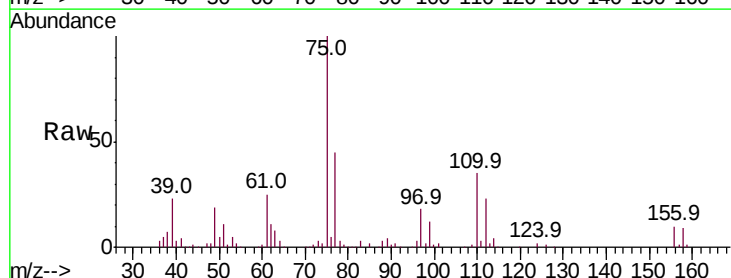
Acq: 17 Jun 2019 11:12

Tgt Ion: 75 Resp: 219344

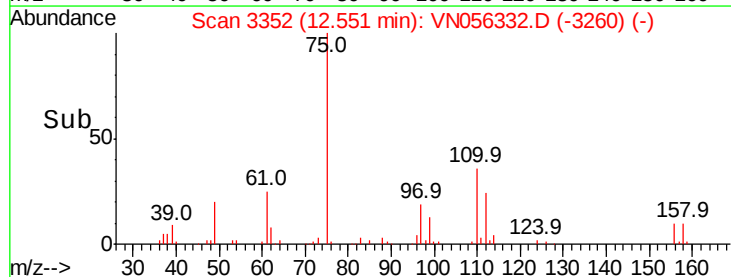
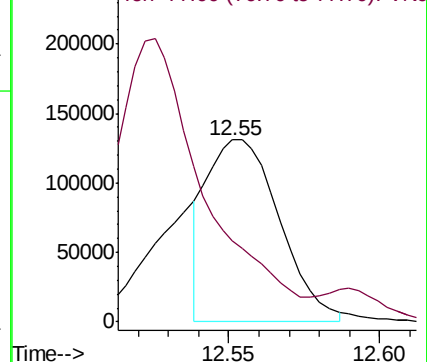
Ion Ratio Lower Upper

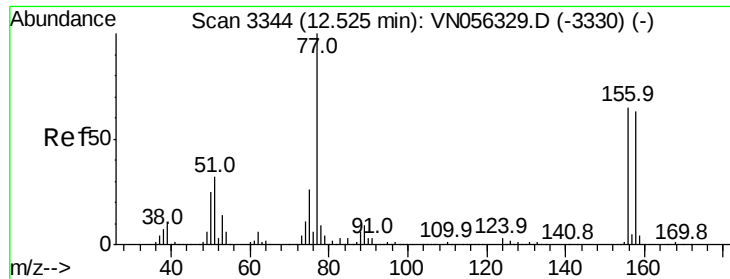
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

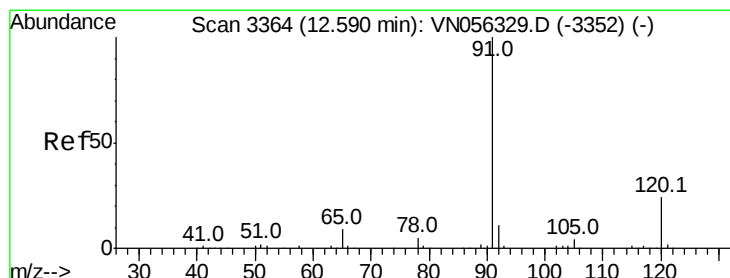
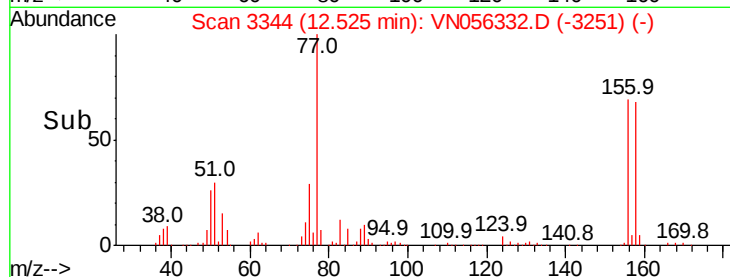
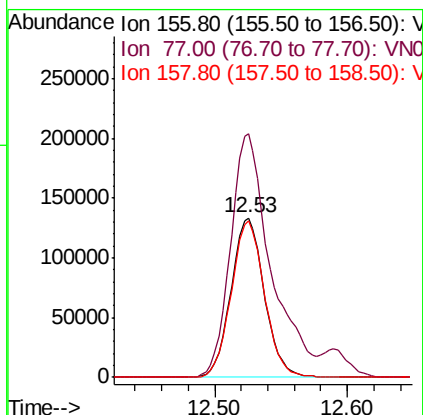
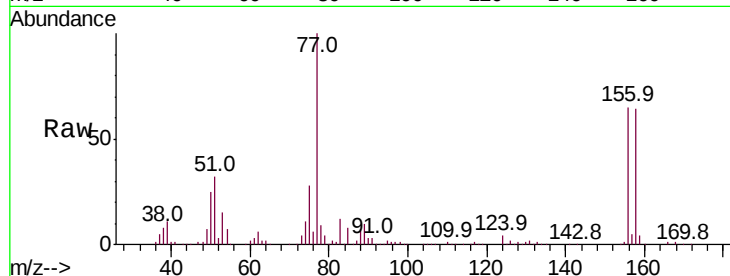




#77
Bromobenzene
Concen: 52.548 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

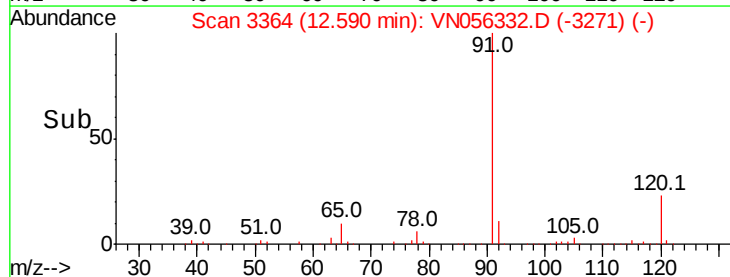
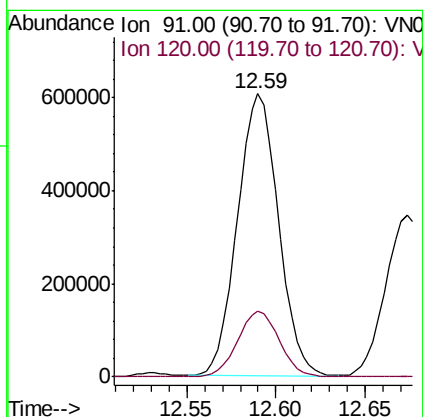
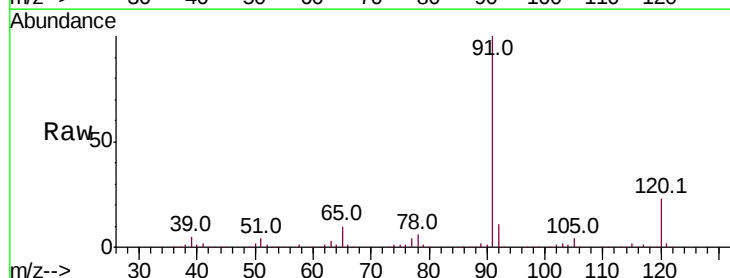
Instrument :
MSVOA_N
ClientSampleId :
ICV061719

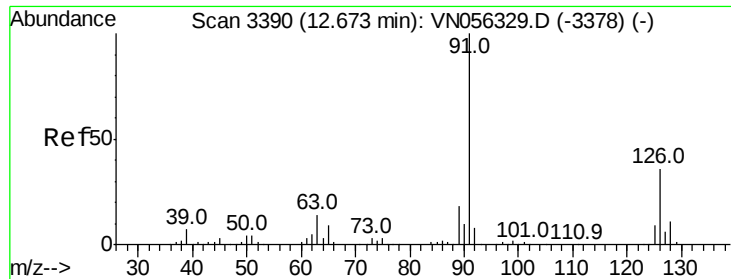
Tot Ion:156 Resp: 232242
Ion Ratio Lower Upper
156 100
77 185.8 92.9 278.7
158 97.8 49.0 147.2



#78
n-propylbenzene
Concen: 48.420 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 91 Resp: 971204
Ion Ratio Lower Upper
91 100
120 23.6 11.9 35.5

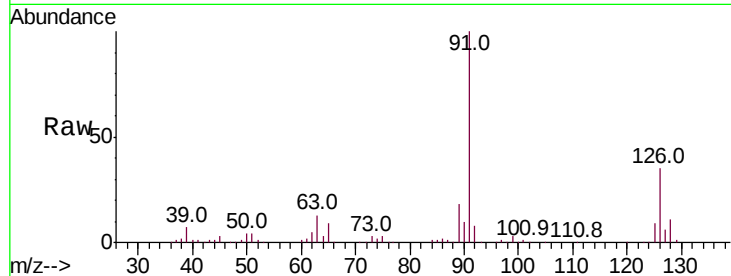




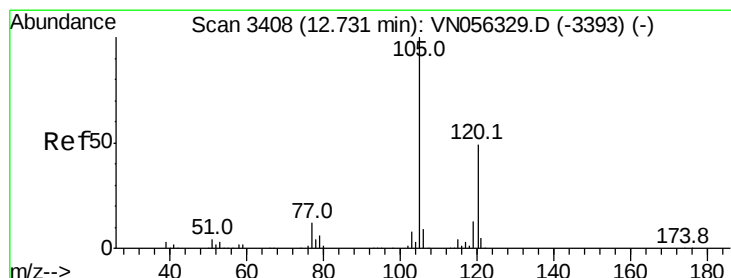
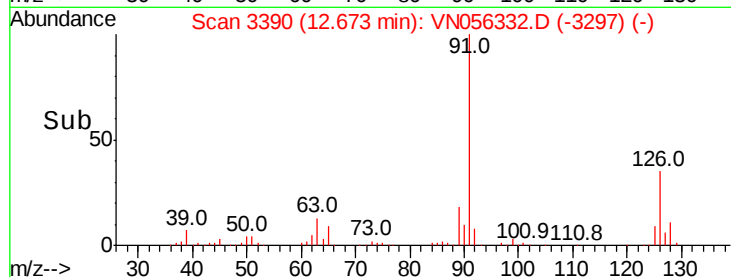
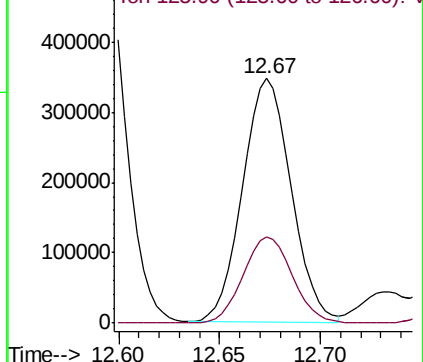
#79
2-Chlorotoluene
Concen: 53.177 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
ICVFN061719

Tot Ion: 91 Resp: 585312
Ion Ratio Lower Upper
91 100
126 36.0 18.0 54.0

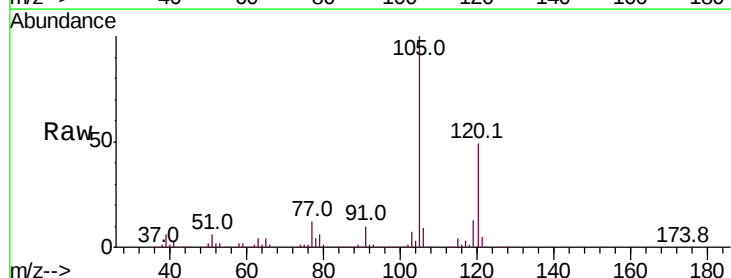


Abundance Ion 91.00 (90.70 to 91.70): VN056332.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN056332.D (-3378) (-)

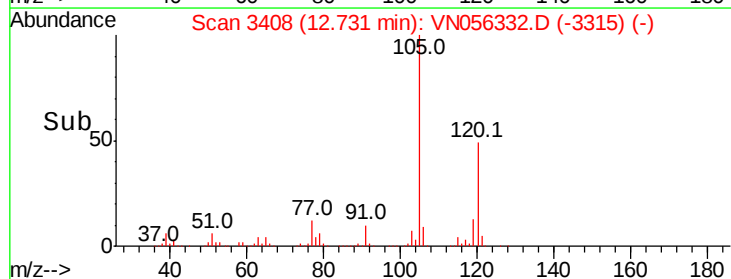
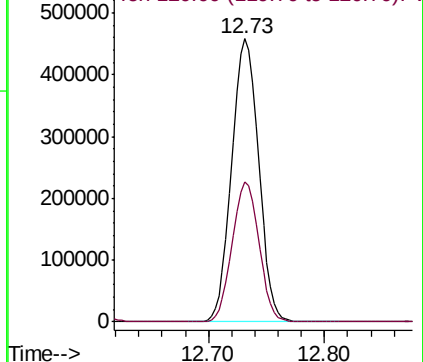


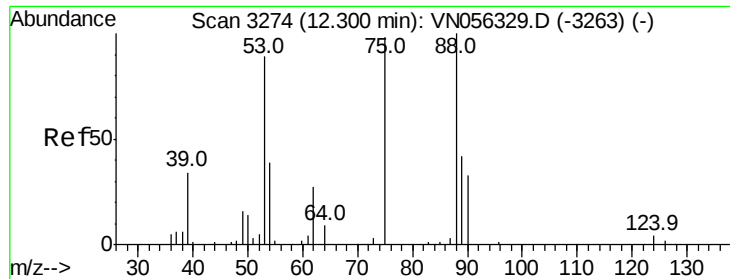
#80
1,3,5-Trimethylbenzene
Concen: 47.161 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 105 Resp: 735218
Ion Ratio Lower Upper
105 100
120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VN056332.D (-3393) (-)
Ion 120.00 (119.70 to 120.70): VN056332.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.055 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061719

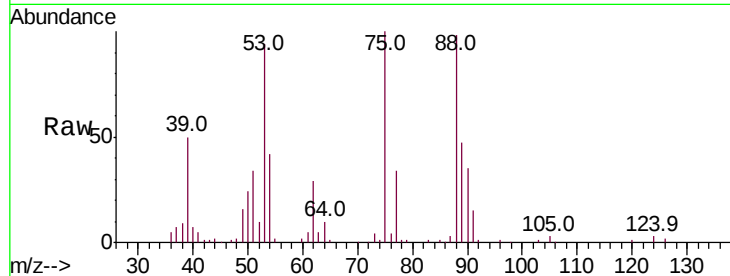
Tot Ion: 75 Resp: 70771

Ion Ratio Lower Upper

75 100

53 96.8 73.5 110.3

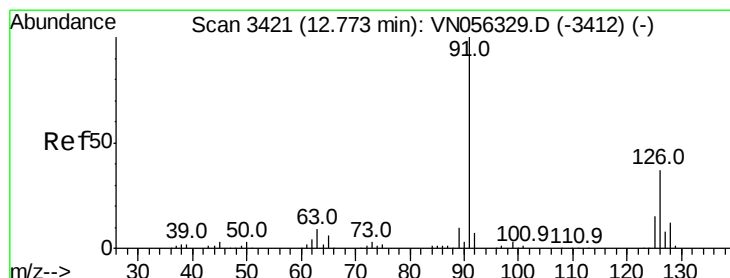
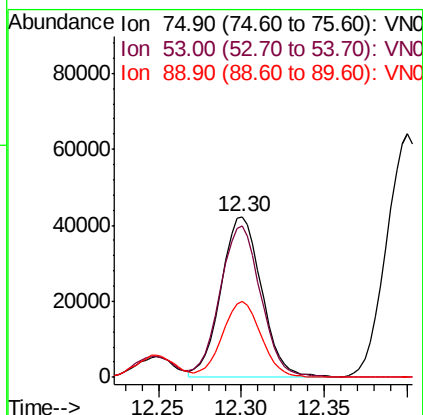
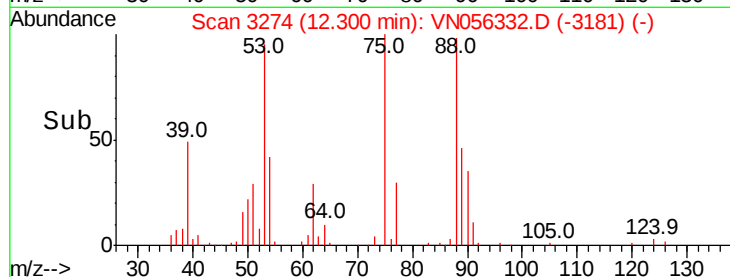
89 46.0 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.184 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056332.D

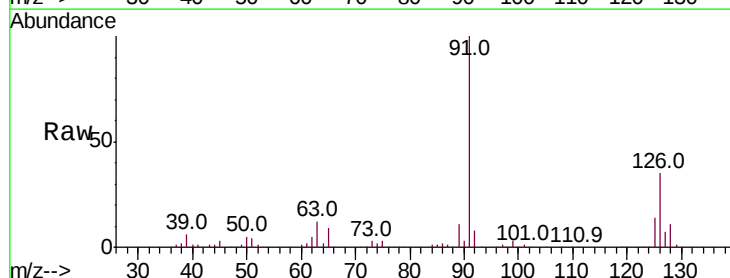
Acq: 17 Jun 2019 11:12

Tgt Ion: 91 Resp: 579101

Ion Ratio Lower Upper

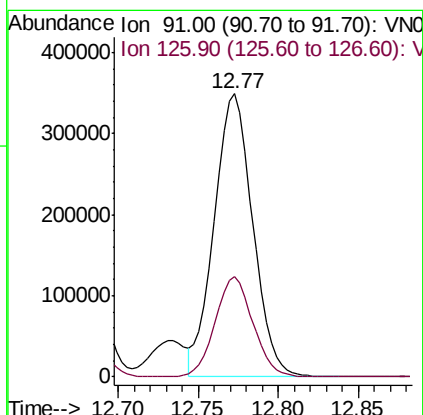
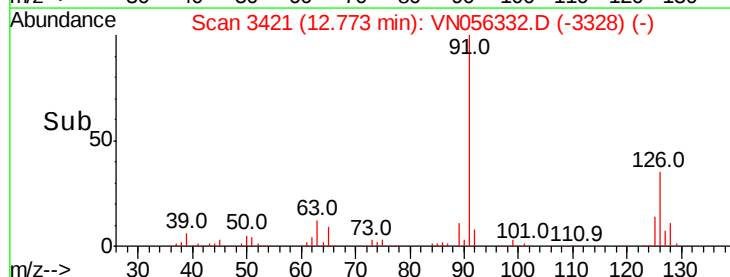
91 100

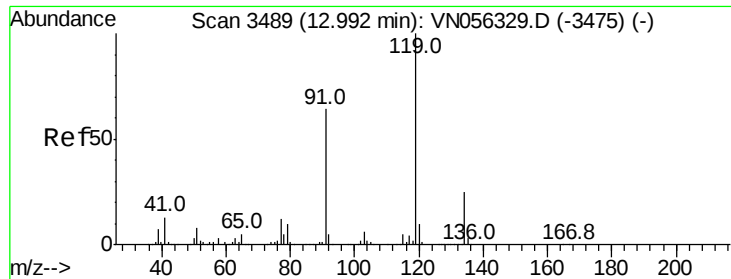
126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

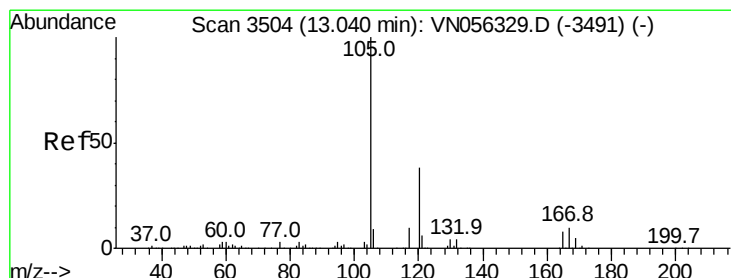
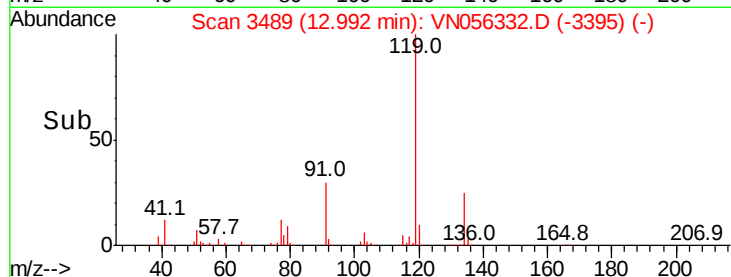
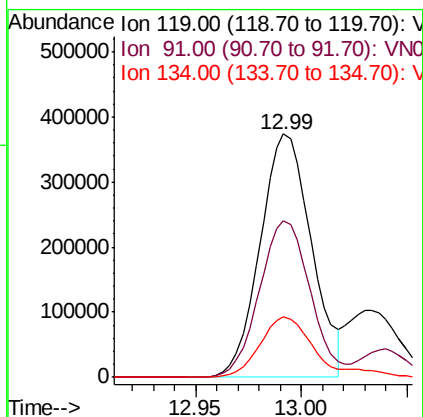
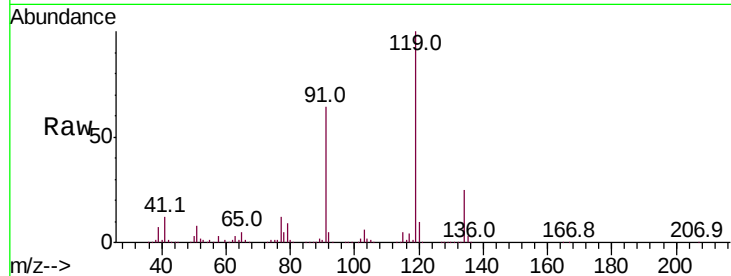




#83
tert-Butylbenzene
Concen: 53.026 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

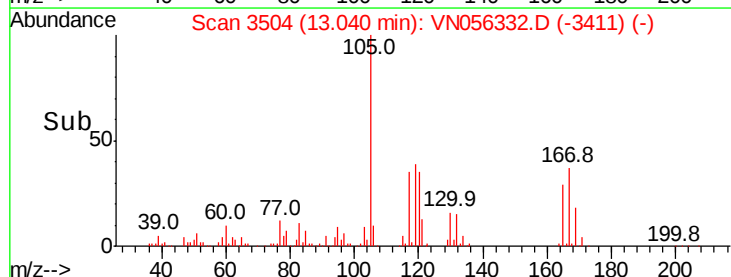
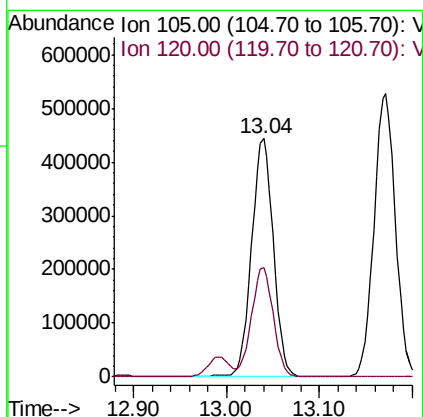
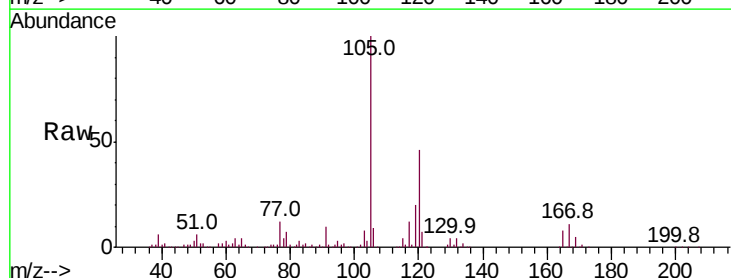
Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

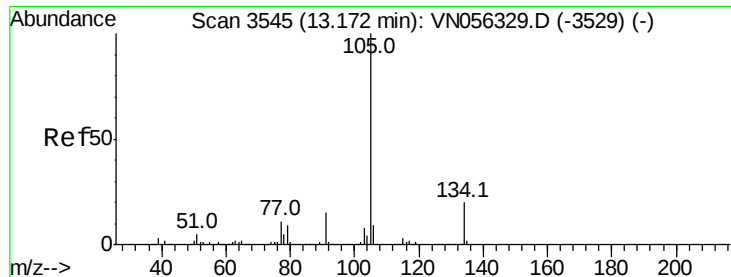
Tot Ion:119 Resp: 634107
Ion Ratio Lower Upper
119 100
91 63.6 31.5 94.5
134 26.9 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 49.752 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion:105 Resp: 722254
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 47.707 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

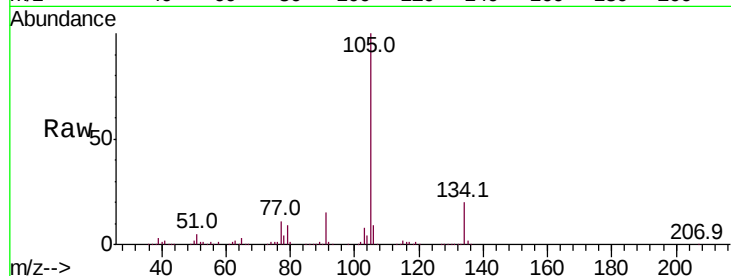
ICV061719

Tot Ion:105 Resp: 839279

Ion Ratio Lower Upper

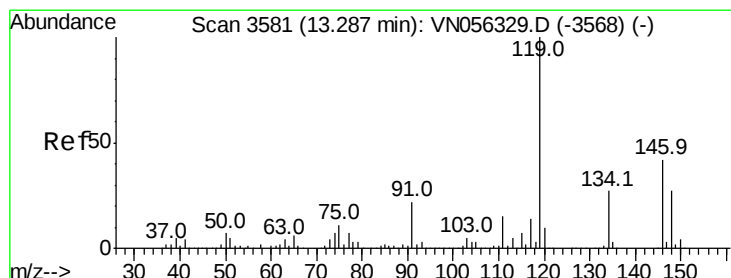
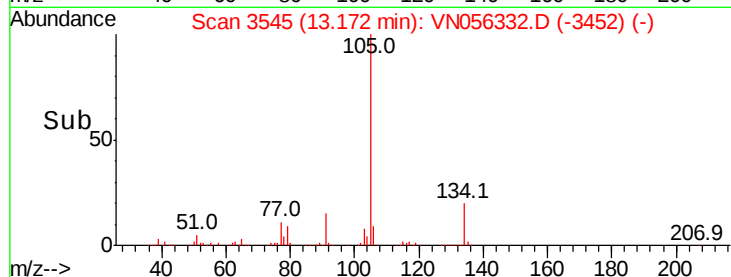
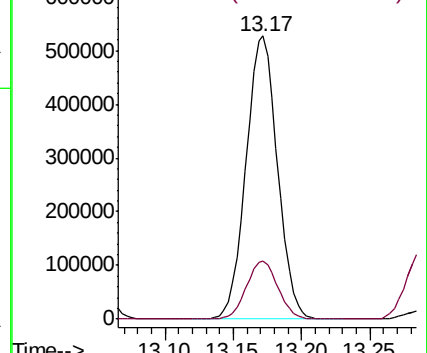
105 100

134 20.5 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: 49.858 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

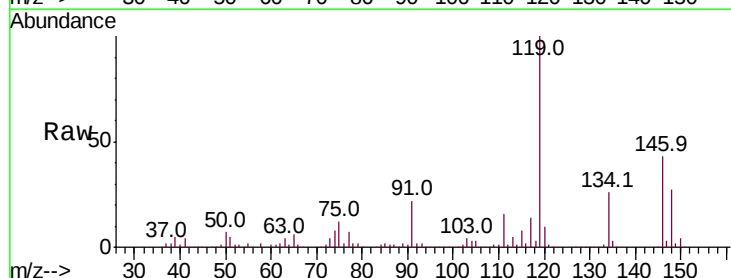
Tgt Ion:119 Resp: 750801

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

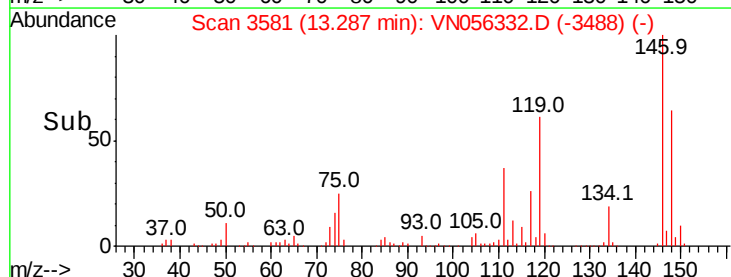
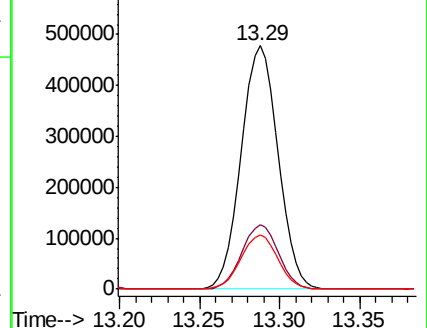
91 22.2 11.0 33.0

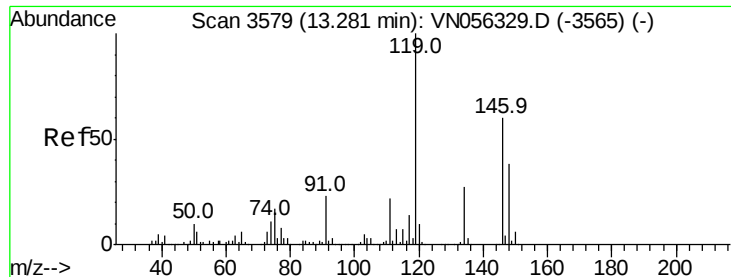


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

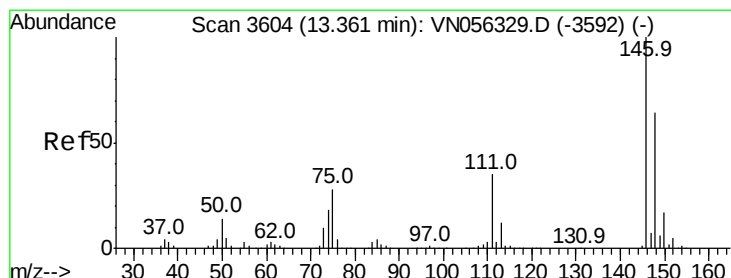
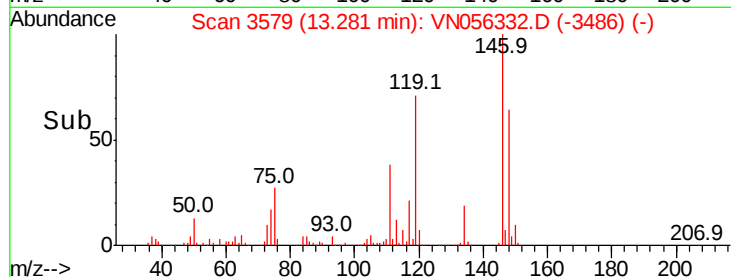
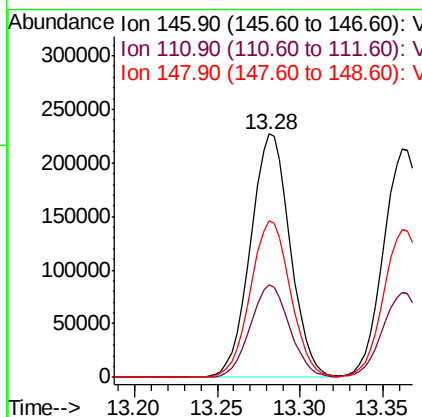
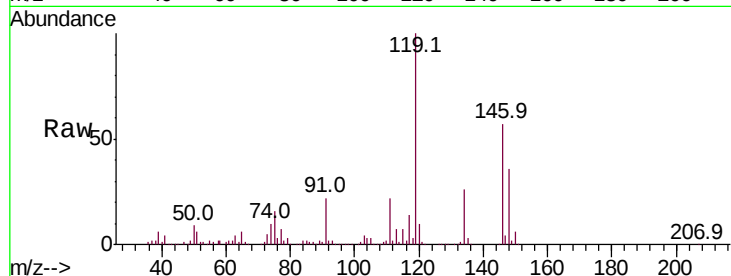




#87
 1,3-Dichlorobenzene
 Concen: 49.776 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

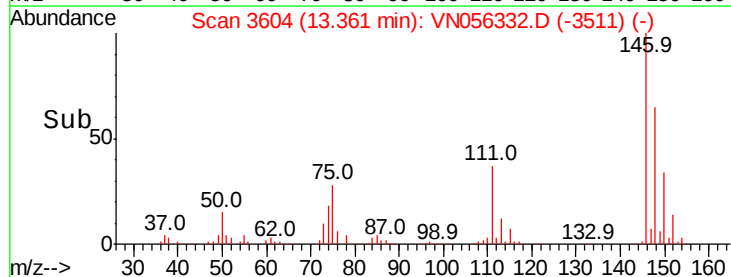
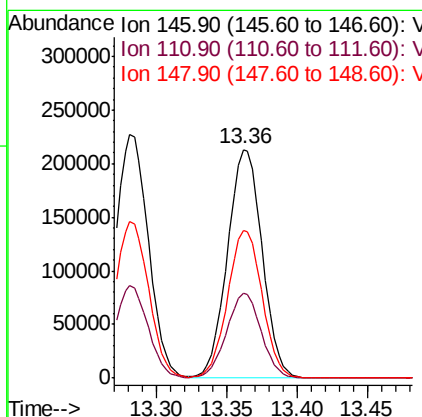
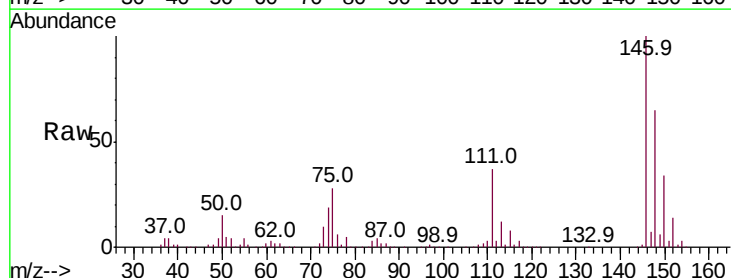
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061719

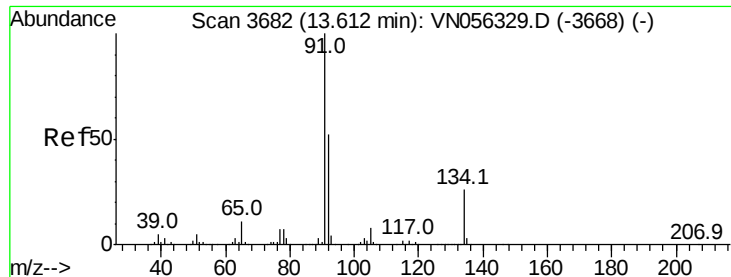
Tot Ion:146 Resp: 378578
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.7
 148 65.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 50.072 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

Tgt Ion:146 Resp: 365945
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.1
 148 64.5 32.1 96.5

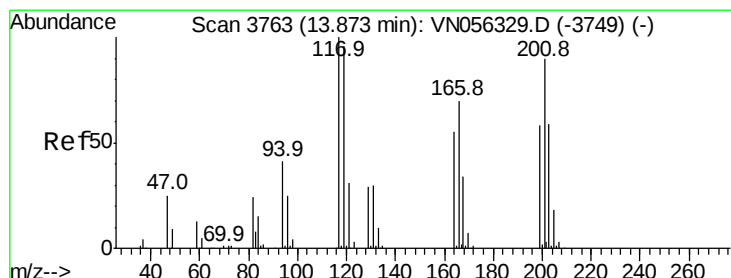
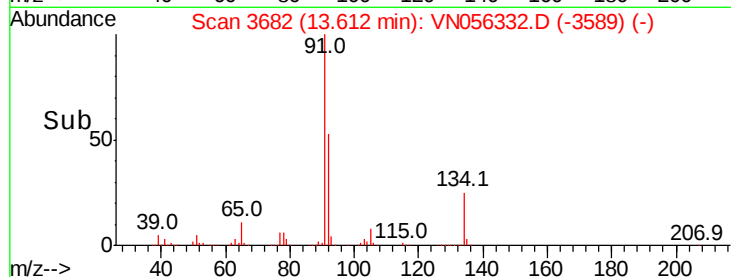
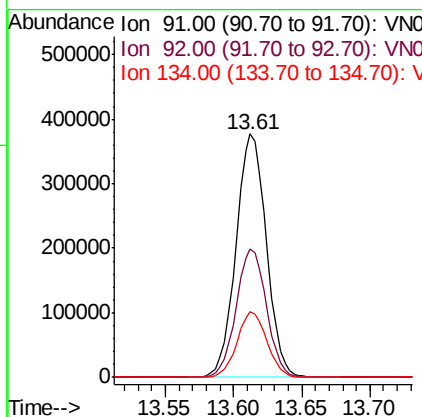
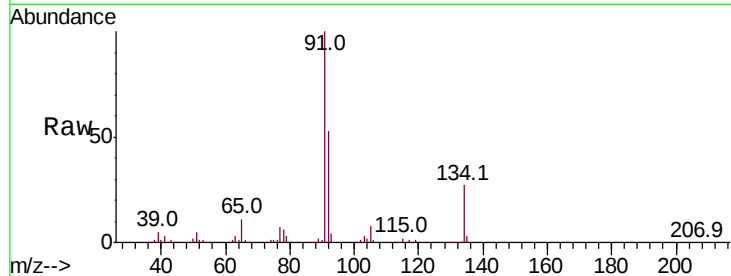




#89
n-Butylbenzene
Concen: 51.641 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

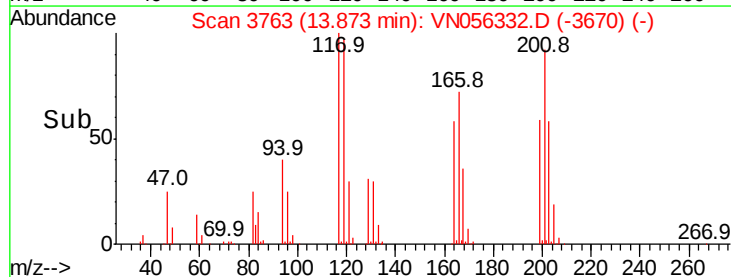
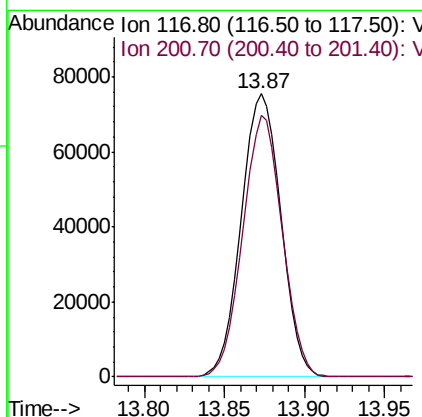
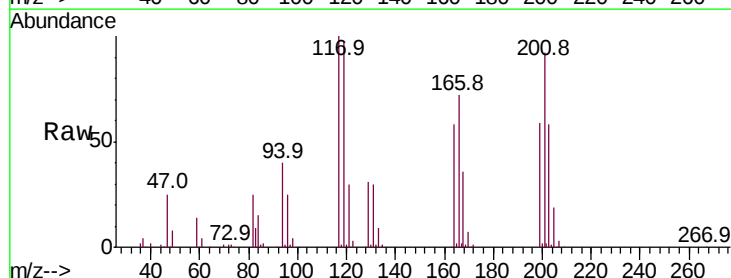
Instrument :
MSVOA_N
ClientSampleId :
ICVVN061719

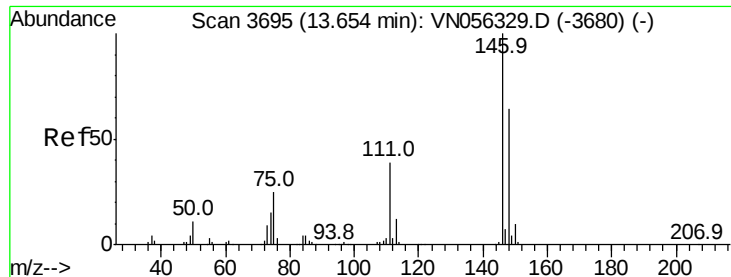
Tot Ion: 91 Resp: 581405
Ion Ratio Lower Upper
91 100
92 52.9 26.0 78.0
134 26.6 13.2 39.5



#90
Hexachloroethane
Concen: 50.296 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056332.D
Acq: 17 Jun 2019 11:12

Tgt Ion: 117 Resp: 127892
Ion Ratio Lower Upper
117 100
201 91.6 45.8 137.3





#91

1,2-Dichlorobenzene

Concen: 50.318 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

ICV061719

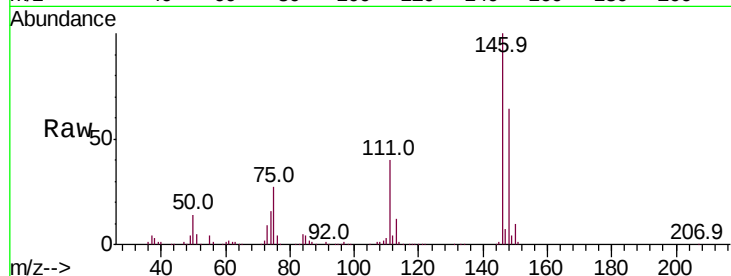
Tot Ion:146 Resp: 374756

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.2

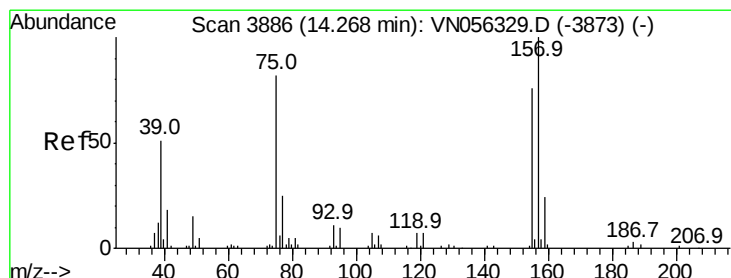
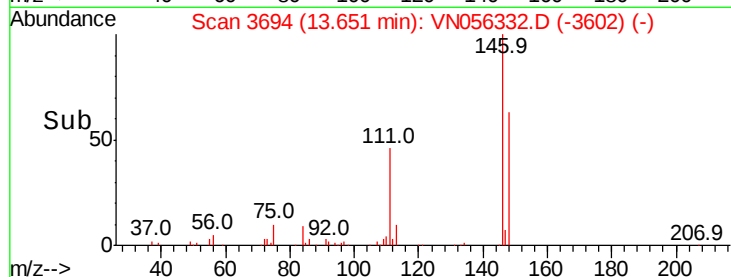
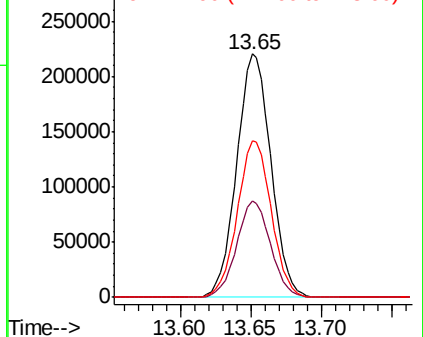
148 63.9 32.4 97.2



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: 47.520 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

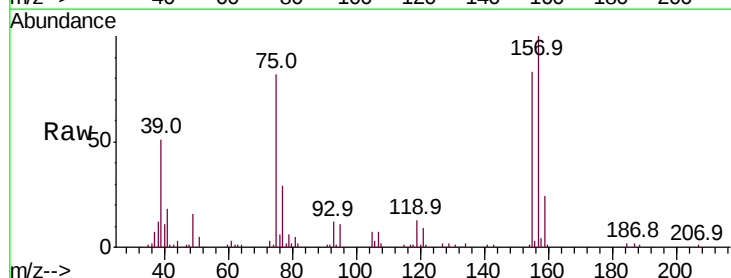
Tgt Ion: 75 Resp: 45882

Ion Ratio Lower Upper

75 100

155 99.0 47.8 143.4

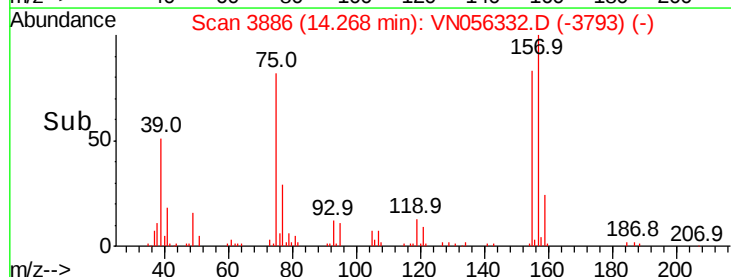
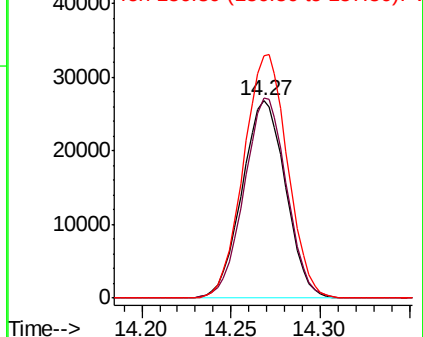
157 124.2 62.8 188.5

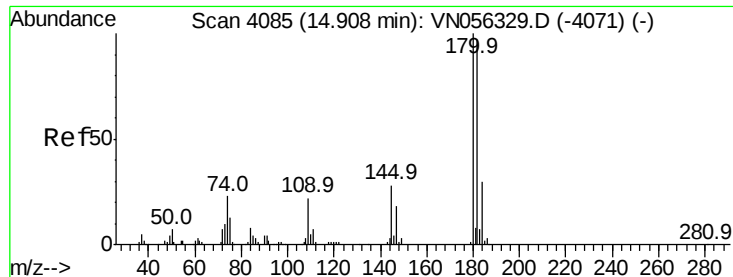


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

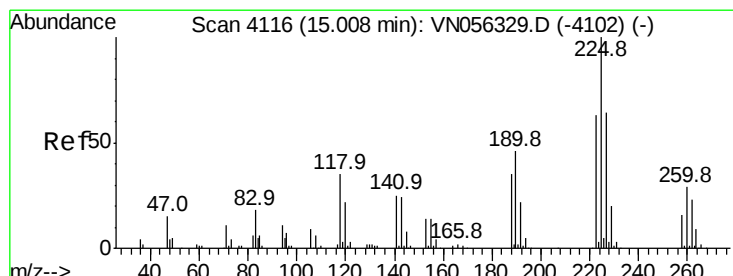
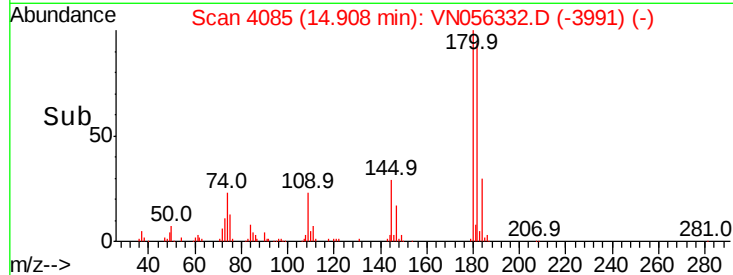
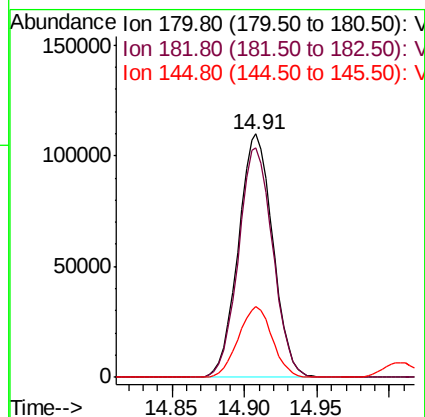
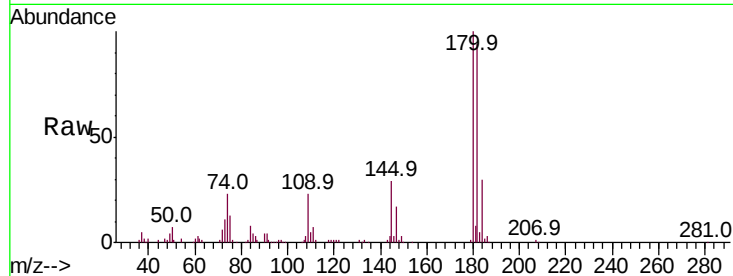




#93
 1,2,4-Trichlorobenzene
 Concen: 47.079 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

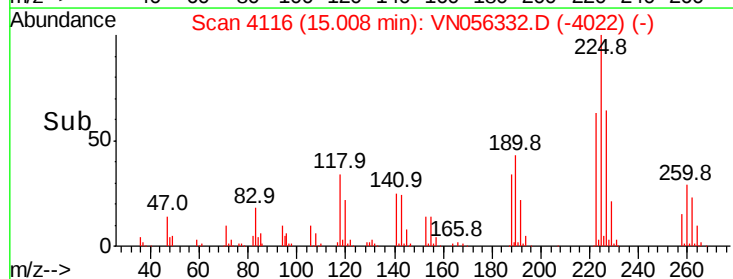
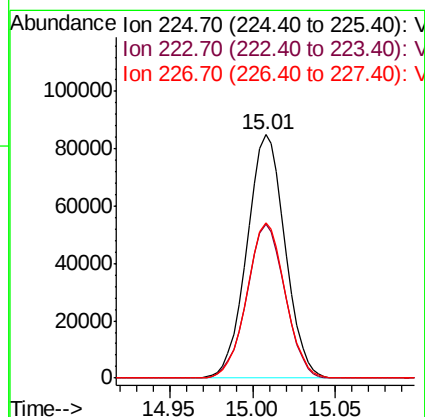
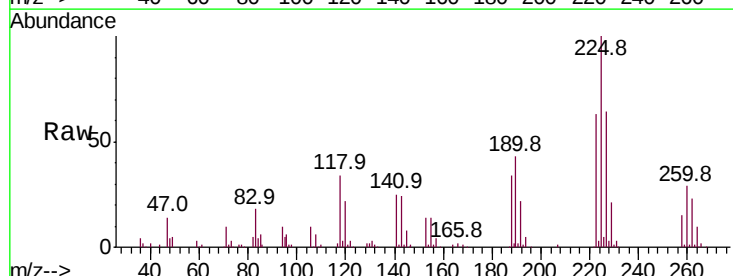
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN061719

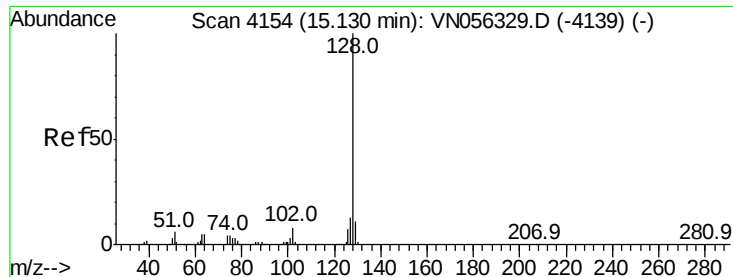
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.3
145	28.8	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 53.428 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056332.D
 Acq: 17 Jun 2019 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.2	93.6
227	63.8	31.7	95.1





#95

Naphthalene

Concen: 49.199 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Instrument :

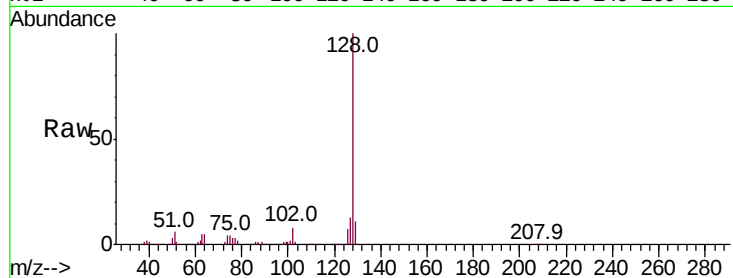
MSVOA_N

ClientSampleId :

ICV061719

Tot Ion:128 Resp: 502101

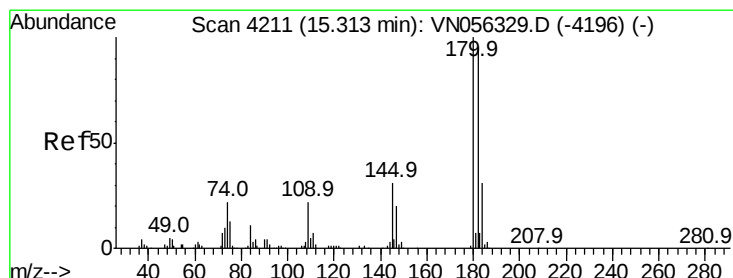
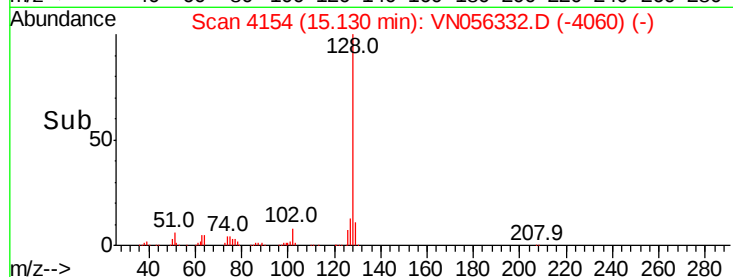
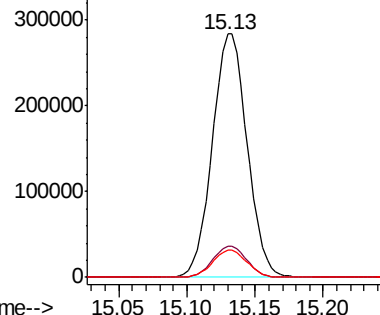
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.2	8.6	12.8



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: 48.635 ug/l

RT: 15.31 min Scan# 4211

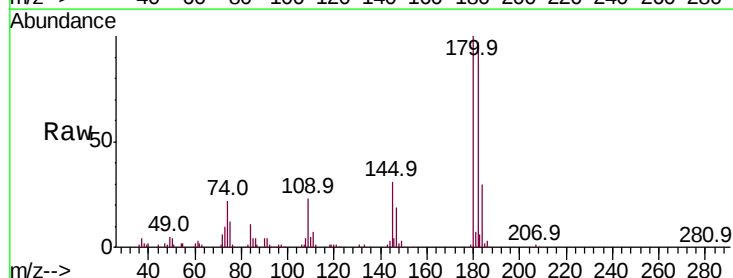
Delta R.T. 0.00 min

Lab File: VN056332.D

Acq: 17 Jun 2019 11:12

Tgt Ion:180 Resp: 196726

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.1	141.4
145	30.9	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

