

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056329.D
 Acq On : 17 Jun 2019 10:01
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 18 04:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	357897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	539284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	201162	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	
35) Dibromofluoromethane	7.59	113	177932	40.18	ug/l	0.00
Spiked Amount			Recovery	=	80.36%	
50) Toluene-d8	10.09	98	678955	39.97	ug/l	0.00
Spiked Amount			Recovery	=	79.94%	
62) 4-Bromofluorobenzene	12.40	95	231762	39.93	ug/l	0.00
Spiked Amount			Recovery	=	79.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	166554	40.506	ug/l	100
3) Chloromethane	2.06	50	214244	42.959	ug/l	100
4) Vinyl Chloride	2.18	62	212312	42.685	ug/l	100
5) Bromomethane	2.53	94	128189m	41.908	ug/l	
6) Chloroethane	2.68	64	121680	42.269	ug/l	100
7) Trichlorofluoromethane	3.00	101	264502	41.609	ug/l	100
8) Diethyl Ether	3.40	74	104780	40.718	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	165554	42.332	ug/l	100
10) Methyl Iodide	3.94	142	230030	37.954	ug/l	100
11) Tert butyl alcohol	4.81	59	163757m	196.225	ug/l	
12) 1,1-Dichloroethene	3.72	96	165819	42.505	ug/l	100
13) Acrolein	3.60	56	45267	193.329	ug/l	100
14) Allyl chloride	4.31	41	284349	44.116	ug/l	100
15) Acrylonitrile	4.99	53	469867	226.506	ug/l	100
16) Acetone	3.82	43	564795	233.097	ug/l	100
17) Carbon Disulfide	4.04	76	450469	45.066	ug/l	100
18) Methyl Acetate	4.33	43	193488	39.851	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	521443	42.045	ug/l	100
20) Methylene Chloride	4.54	84	194215	42.322	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	179003	42.548	ug/l	100
22) Diisopropyl ether	5.95	45	558802	42.853	ug/l	100
23) Vinyl Acetate	5.90	43	2367196	224.681	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325656	43.290	ug/l	100
25) 2-Butanone	6.84	43	706042	232.149	ug/l	100
26) 2,2-Dichloropropane	6.82	77	232208	41.246	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	207771	42.268	ug/l	100
28) Bromochloromethane	7.19	49	163634	44.877	ug/l	100
29) Tetrahydrofuran	7.22	42	411002	224.556	ug/l	100
30) Chloroform	7.37	83	322398	42.931	ug/l	100
31) Cyclohexane	7.65	56	304568	39.708	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	269466	43.013	ug/l	100
36) 1,1-Dichloropropene	7.79	75	243731	40.805	ug/l	100
37) Ethyl Acetate	6.93	43	249451	44.499	ug/l	100
38) Carbon Tetrachloride	7.77	117	233731	41.964	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056329.D
 Acq On : 17 Jun 2019 10:01
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 18 04:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	303992	41.097	ug/l	100
40) Benzene	8.04	78	755032	41.671	ug/l	100
41) Methacrylonitrile	7.18	41	116554	44.289	ug/l	100
42) 1,2-Dichloroethane	8.12	62	246928	41.915	ug/l	100
43) Isopropyl Acetate	8.17	43	379970	42.956	ug/l	100
44) Trichloroethene	8.83	130	203203	40.116	ug/l	100
45) 1,2-Dichloropropane	9.12	63	201589	42.577	ug/l	100
46) Dibromomethane	9.21	93	131709	42.482	ug/l	100
47) Bromodichloromethane	9.40	83	251761	43.715	ug/l	100
48) Methyl methacrylate	9.20	41	192309	43.554	ug/l	100
49) 1,4-Dioxane	9.20	88	78440	849.269	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1229816	218.049	ug/l	100
52) Toluene	10.16	92	470430	41.787	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	259490	43.714	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	297215	43.586	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	187308	41.874	ug/l	100
56) Ethyl methacrylate	10.43	69	286027	42.778	ug/l	100
57) 1,3-Dichloropropane	10.71	76	316773	42.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	456928	202.612	ug/l	100
59) 2-Hexanone	10.75	43	907885	219.918	ug/l	100
60) Dibromochloromethane	10.90	129	202489	44.433	ug/l	100
61) 1,2-Dibromoethane	11.01	107	197316	42.448	ug/l	100
64) Tetrachloroethene	10.63	164	199185	38.410	ug/l	100
65) Chlorobenzene	11.43	112	501669	40.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184280	42.168	ug/l	100
67) Ethyl Benzene	11.51	91	887047	40.967	ug/l	100
68) m/p-Xylenes	11.62	106	675296	81.872	ug/l	100
69) o-Xylene	11.95	106	329432	40.736	ug/l	100
70) Styrene	11.96	104	555111	42.233	ug/l	100
71) Bromoform	12.13	173	151503	44.792	ug/l #	100
73) Isopropylbenzene	12.25	105	865218	39.557	ug/l	100
74) N-amyl acetate	12.07	43	319621	42.245	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	267263	41.208	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	219746m	42.264	ug/l	
77) Bromobenzene	12.53	156	227732	39.457	ug/l	100
78) n-propylbenzene	12.59	91	952772	40.778	ug/l	100
79) 2-Chlorotoluene	12.67	91	570884	39.492	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	719558	39.517	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	73133	41.767	ug/l	100
82) 4-Chlorotoluene	12.77	91	560601	40.912	ug/l	100
83) tert-Butylbenzene	12.99	119	616285	38.632	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	698123	40.345	ug/l	100
85) sec-Butylbenzene	13.17	105	819091	40.169	ug/l	100
86) p-Isopropyltoluene	13.29	119	728568	40.175	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	365303	40.533	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	350499	40.347	ug/l	100
89) n-Butylbenzene	13.61	91	557534	40.818	ug/l	100
90) Hexachloroethane	13.87	117	128452	43.374	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	360600	40.046	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44670	45.467	ug/l	100

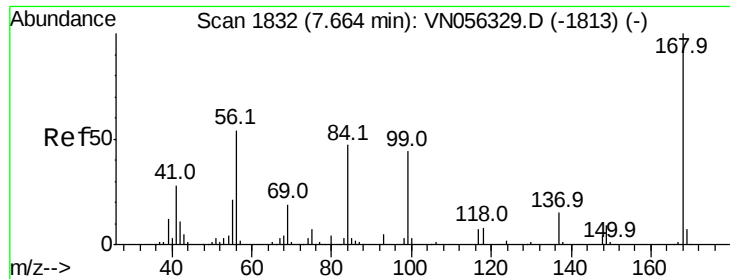
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056329.D
Acq On : 17 Jun 2019 10:01
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 18 04:10:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 03:14:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	160977	39.474	ug/l	100
94) Hexachlorobutadiene	15.01	225	127917	37.492	ug/l	100
95) Naphthalene	15.13	128	437687	40.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	179440	40.768	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

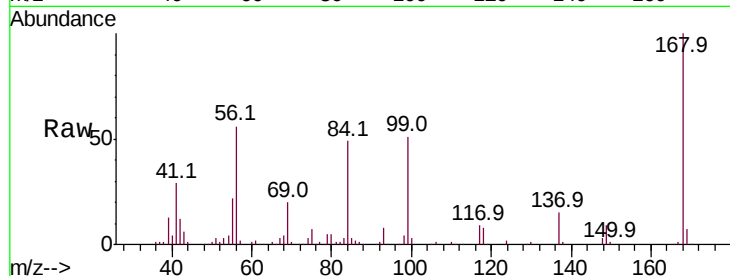
VSTDICCC050

Tot Ion:168 Resp: 357897

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056329.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056329.D (-1813) (-)

7.66

150000

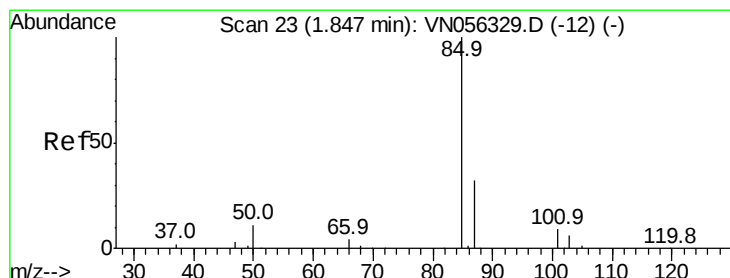
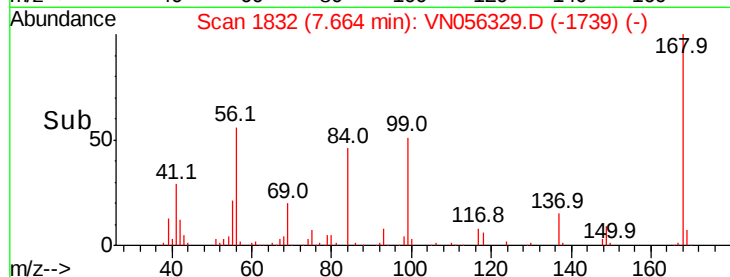
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.506 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056329.D

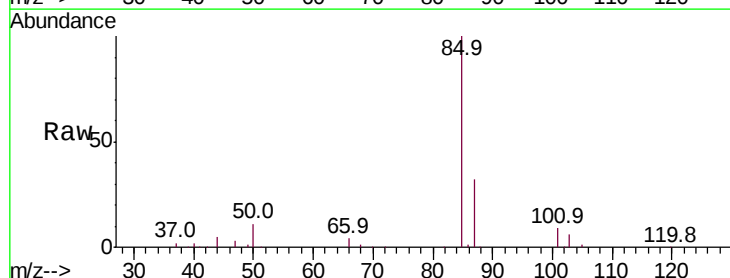
Acq: 17 Jun 2019 10:01

Tgt Ion: 85 Resp: 166554

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056329.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056329.D (-12) (-)

1.85

120000

100000

80000

60000

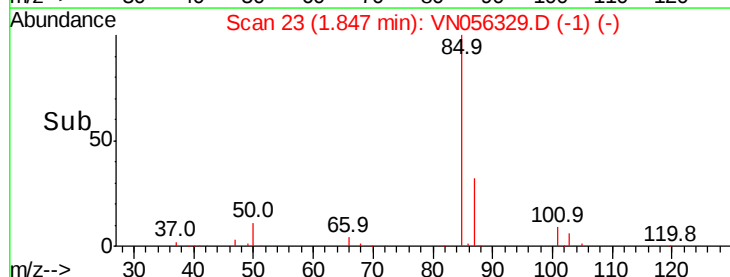
40000

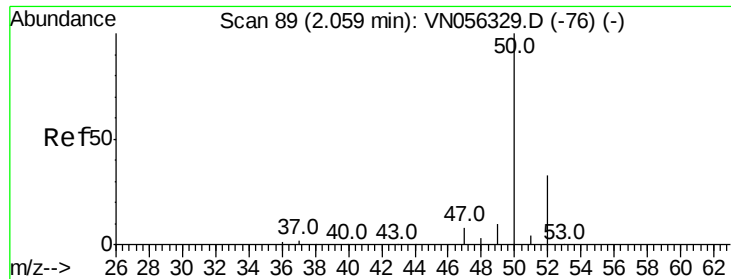
20000

0

1.80 1.90 2.00

Time-->

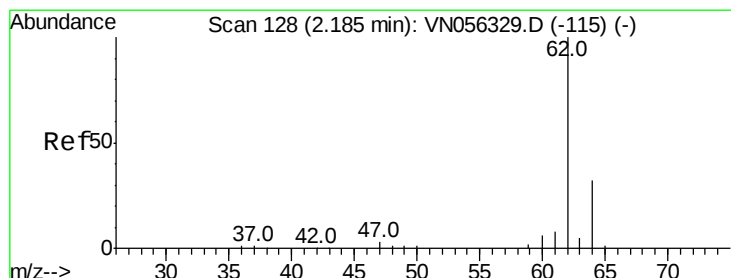
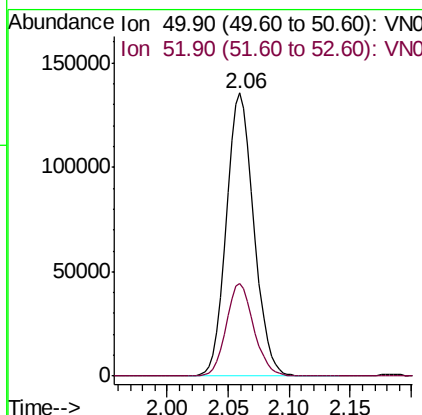
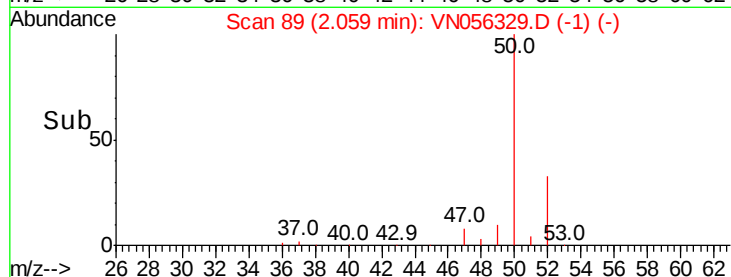
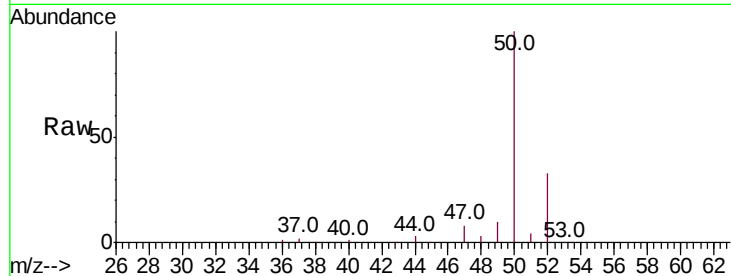




#3
 Chloromethane
 Concen: 42.959 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

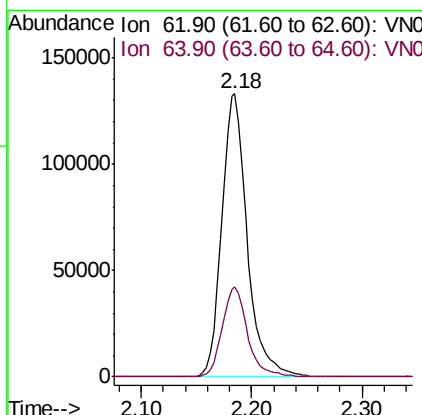
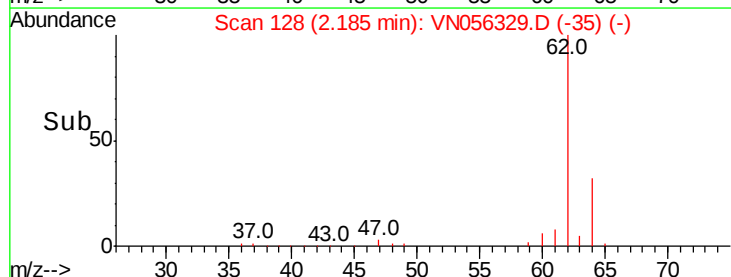
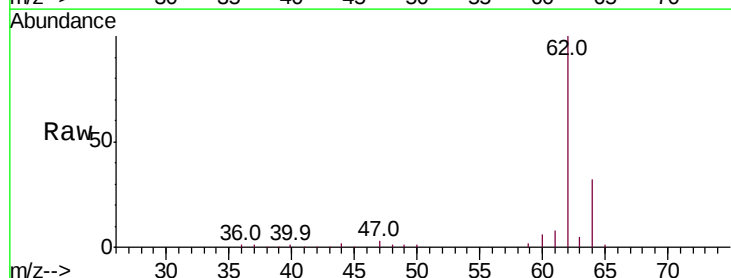
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

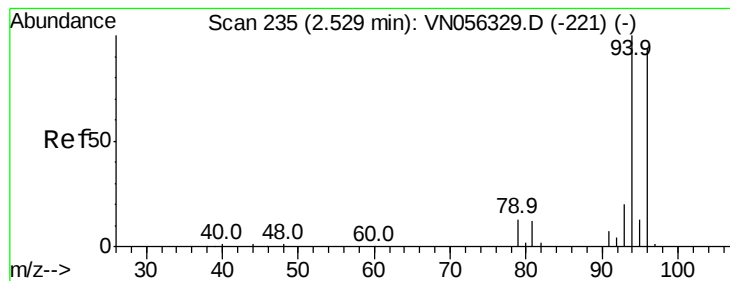
Tot Ion: 50 Resp: 214244
 Ion Ratio Lower Upper
 50 100
 52 32.9 26.3 39.5



#4
 Vinyl Chloride
 Concen: 42.685 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 62 Resp: 212312
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.7 38.5





#5

Bromomethane

Concen: 41.908 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

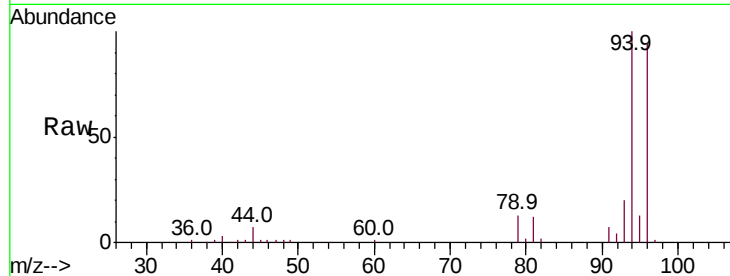
VSTDICCC050

Tot Ion: 94 Resp: 128189

Ion Ratio Lower Upper

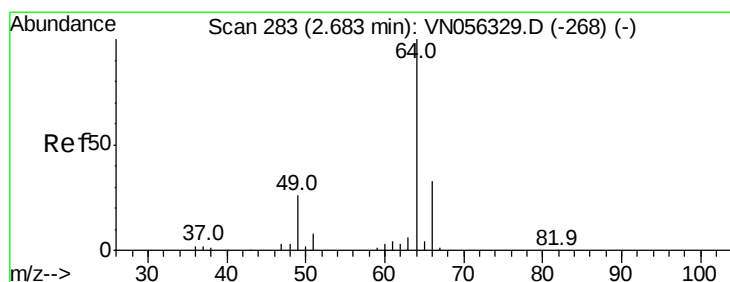
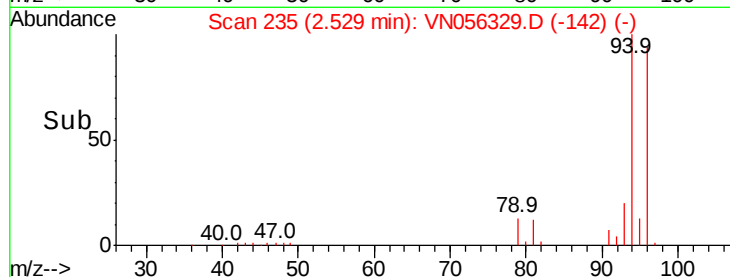
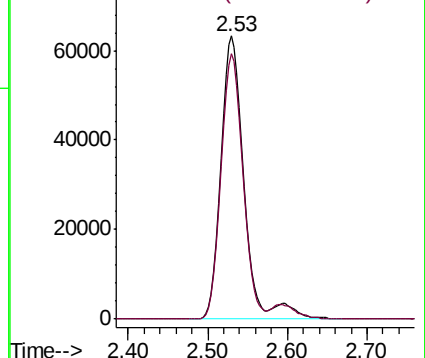
94 100

96 93.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.269 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056329.D

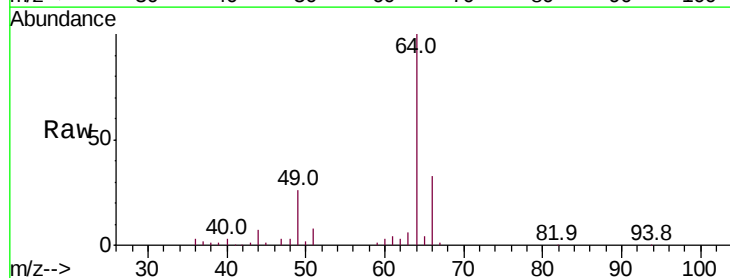
Acq: 17 Jun 2019 10:01

Tgt Ion: 64 Resp: 121680

Ion Ratio Lower Upper

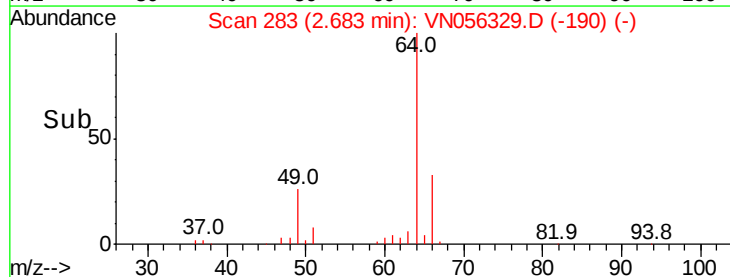
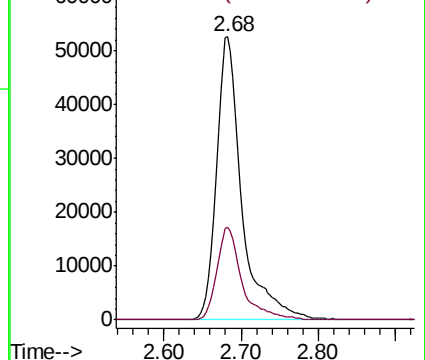
64 100

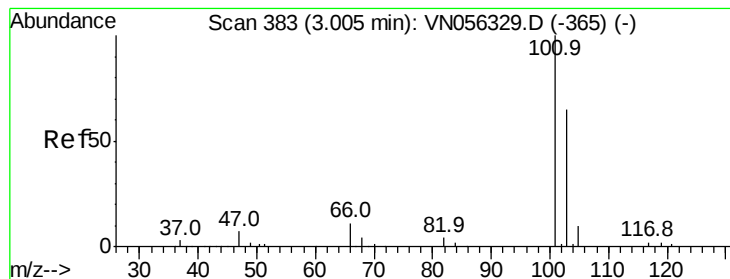
66 32.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



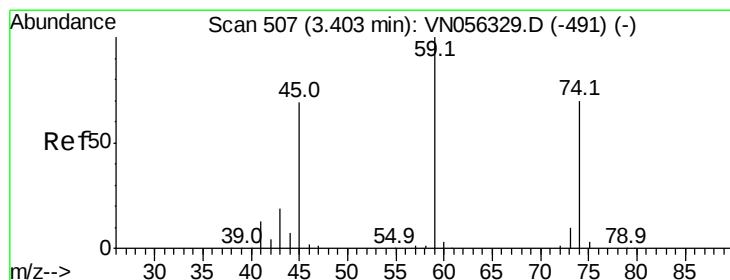
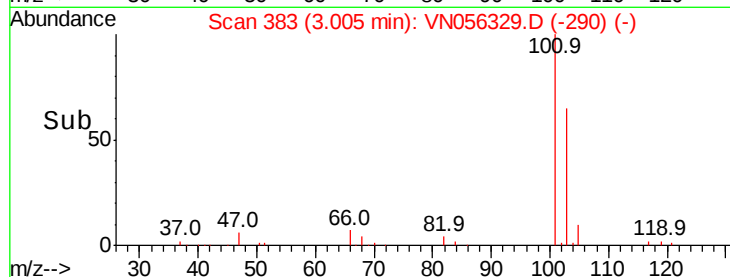
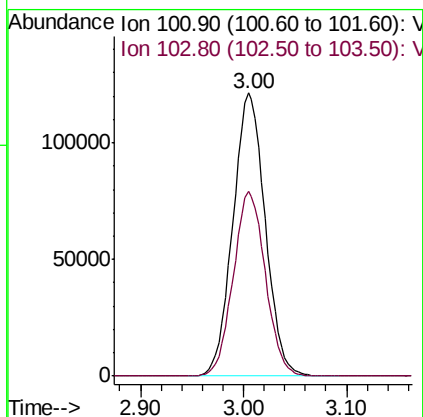
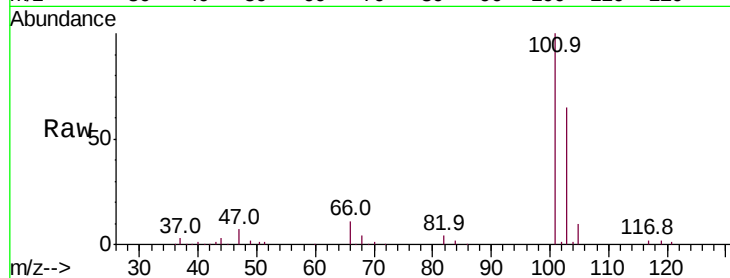


#7

Trichlorofluoromethane
 Concen: 41.609 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

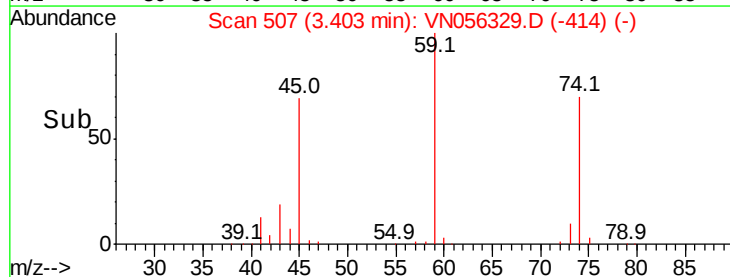
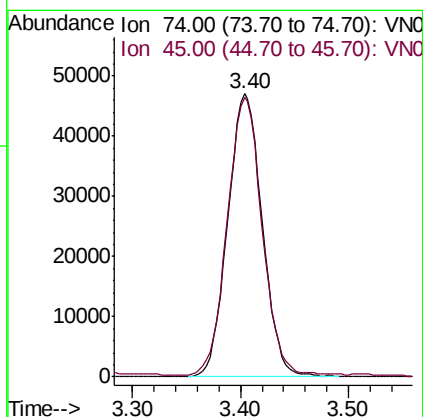
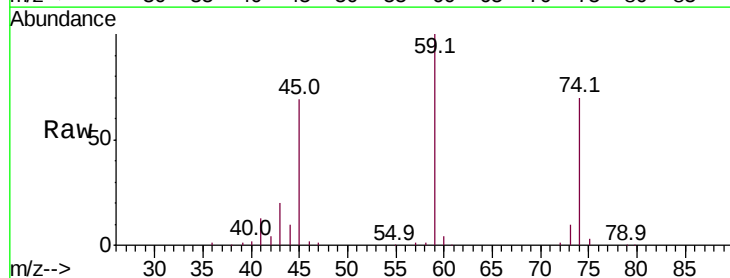
Tot Ion:101 Resp: 264502
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.1 78.1

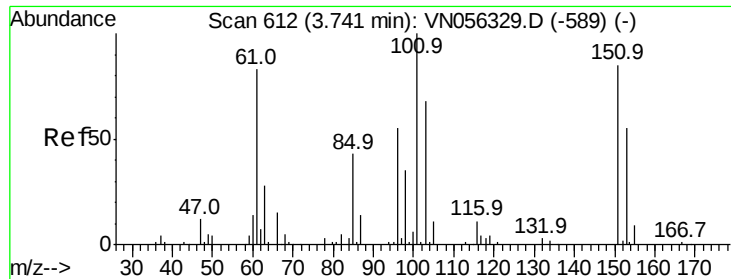


#8

Diethyl Ether
 Concen: 40.718 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 74 Resp: 104780
 Ion Ratio Lower Upper
 74 100
 45 98.0 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.332 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

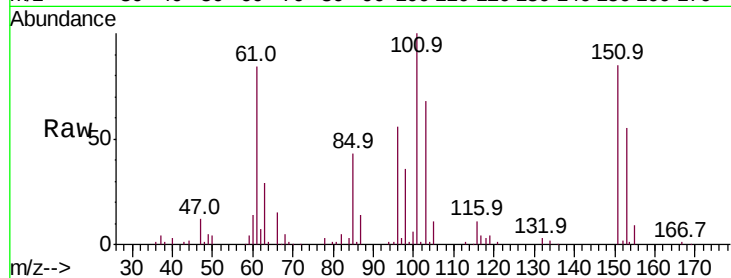
Tot Ion:101 Resp: 165554

Ion Ratio Lower Upper

101 100

85 42.3 33.8 50.8

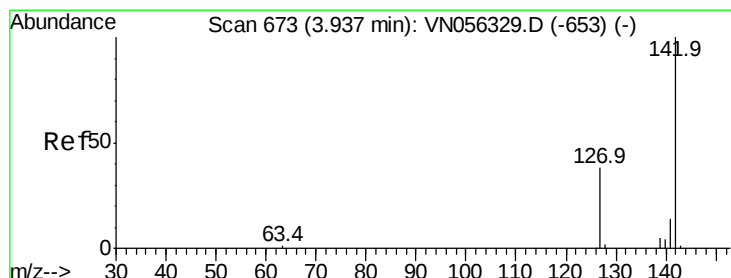
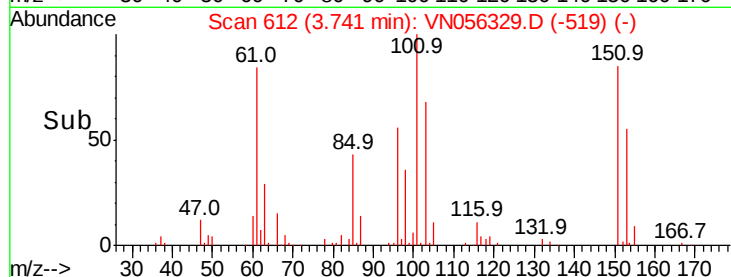
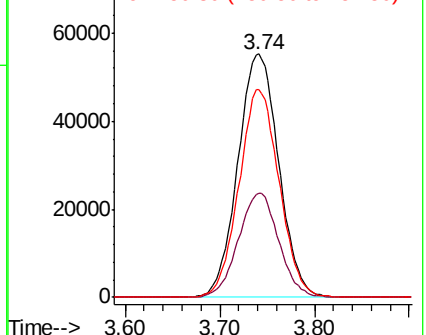
151 84.2 67.4 101.0



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: 37.954 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

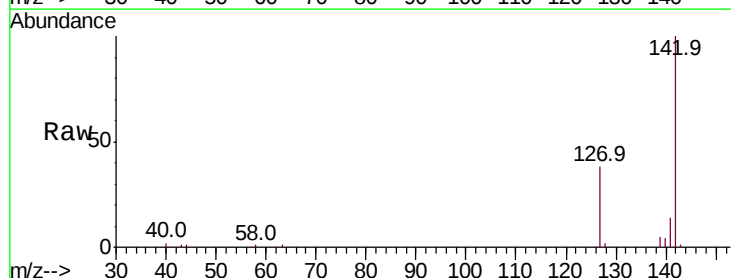
Tgt Ion:142 Resp: 230030

Ion Ratio Lower Upper

142 100

127 38.5 30.8 46.2

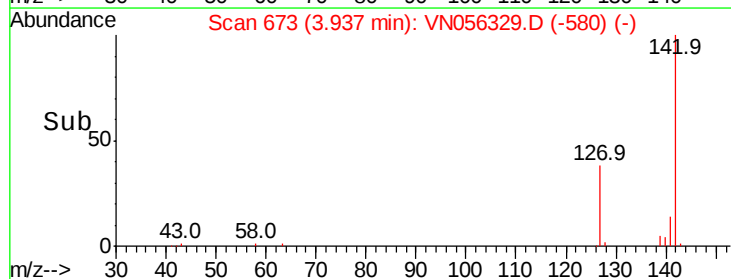
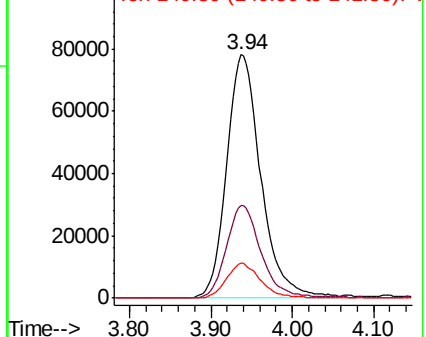
141 14.3 11.4 17.2

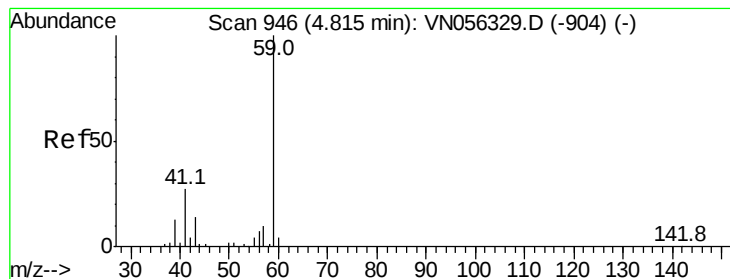


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 196.225 ug/l m

RT: 4.81 min Scan# 946

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

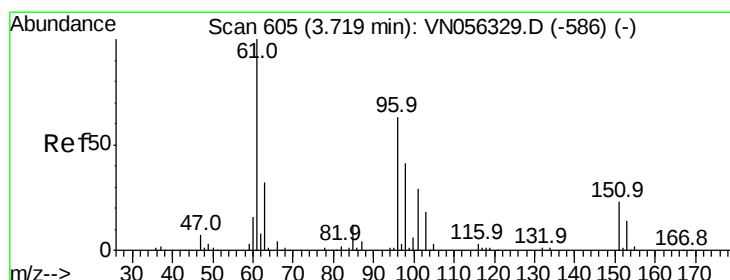
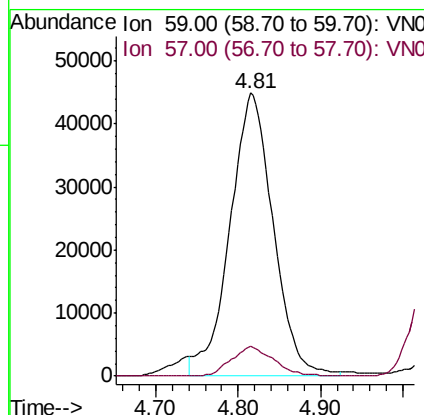
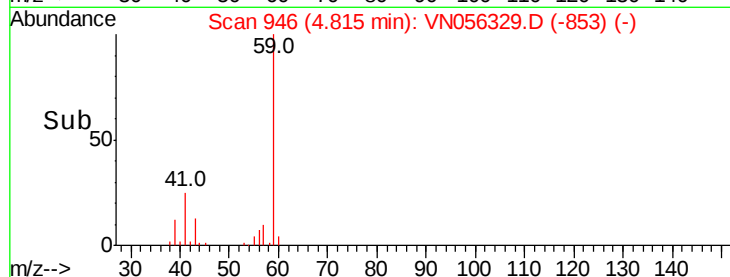
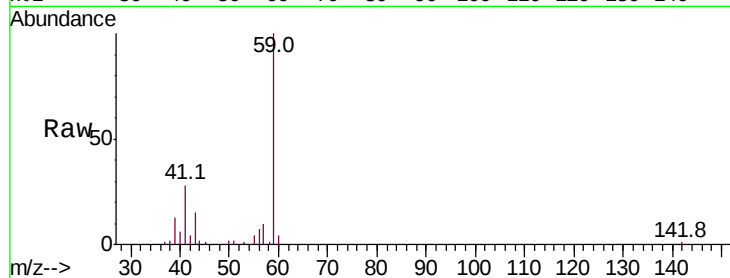
VSTDICCC050

Tot Ion: 59 Resp: 163757

Ion Ratio Lower Upper

59 100

57 10.2 7.8 11.8



#12

1,1-Dichloroethene

Concen: 42.505 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

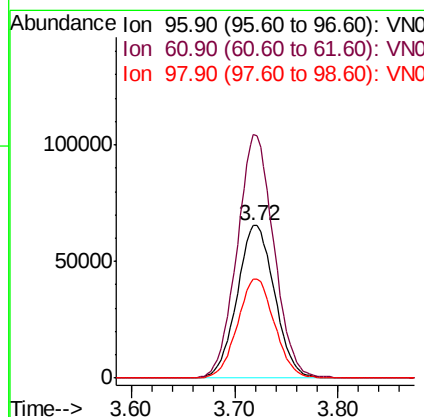
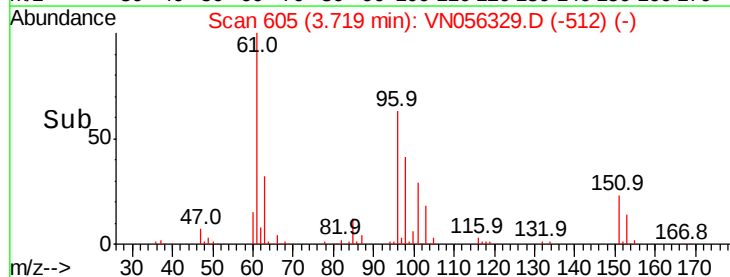
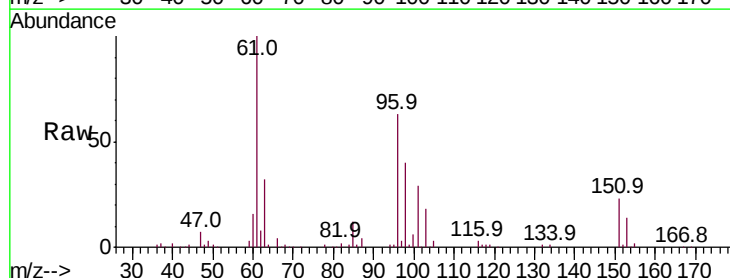
Tgt Ion: 96 Resp: 165819

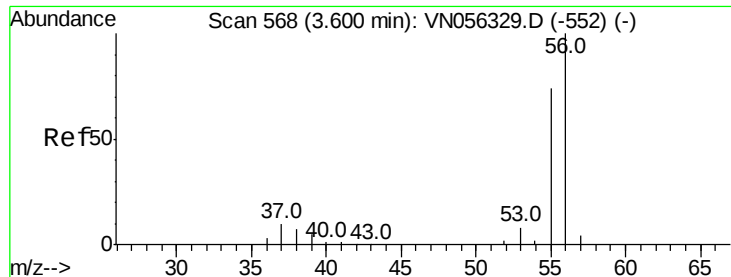
Ion Ratio Lower Upper

96 100

61 159.3 127.4 191.2

98 64.6 51.7 77.5





#13

Acrolein

Concen: 193.329 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

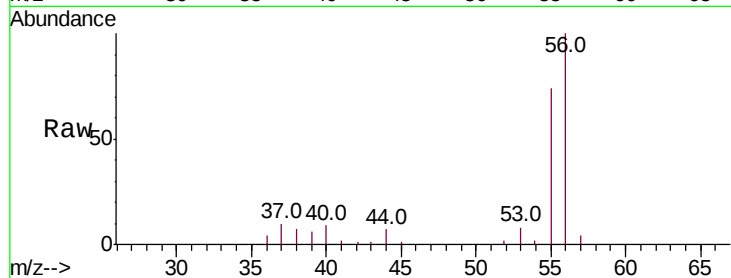
VSTDICCC050

Tot Ion: 56 Resp: 45267

Ion Ratio Lower Upper

56 100

55 70.5 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

20000

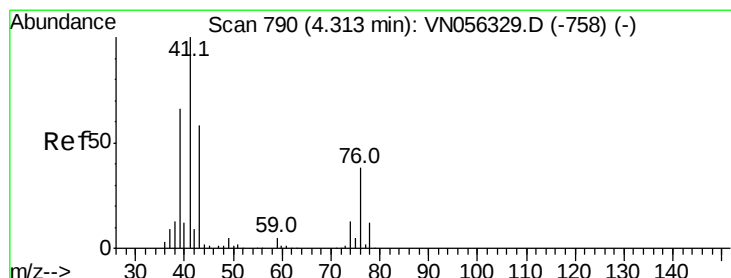
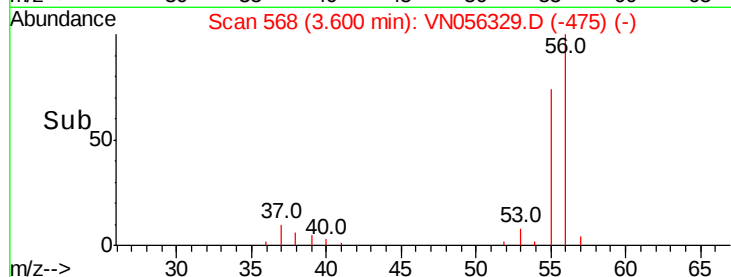
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 44.116 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

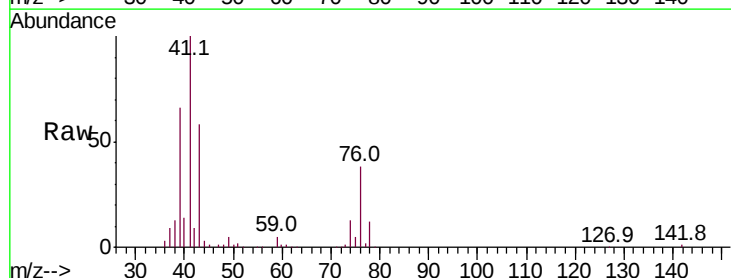
Tgt Ion: 41 Resp: 284349

Ion Ratio Lower Upper

41 100

39 61.1 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

120000

100000

80000

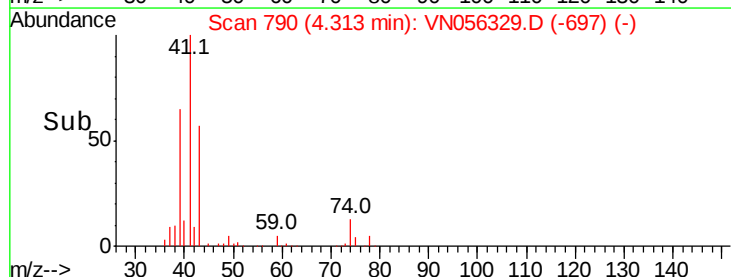
60000

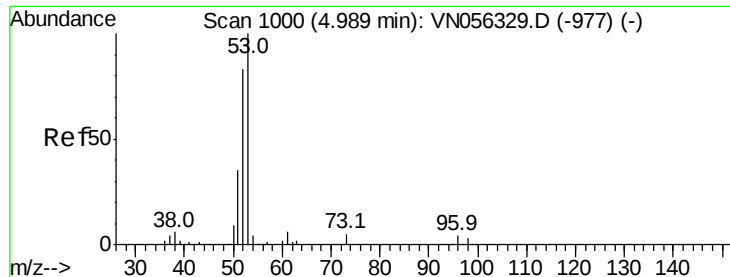
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 226.506 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

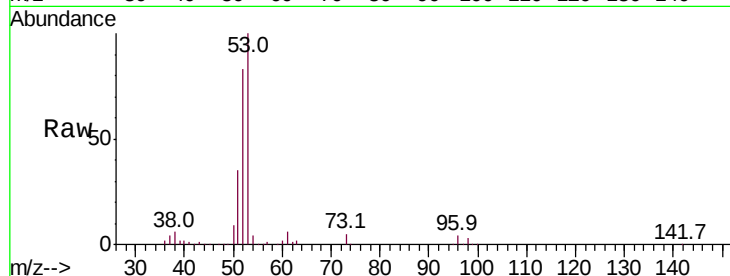
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 469867

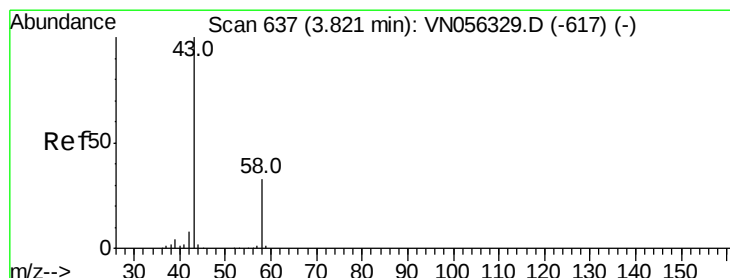
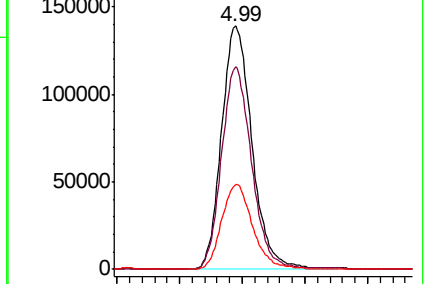
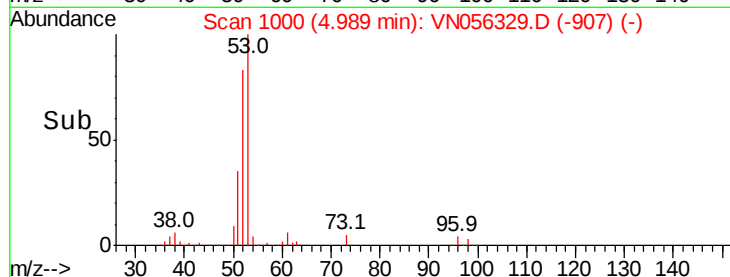
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	35.6	28.5	42.7



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: 233.097 ug/l

RT: 3.82 min Scan# 637

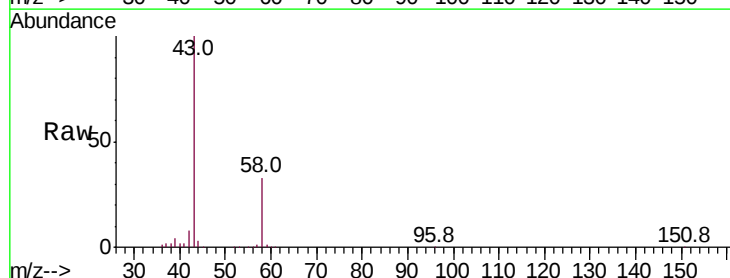
Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

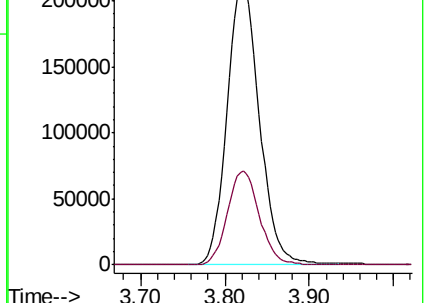
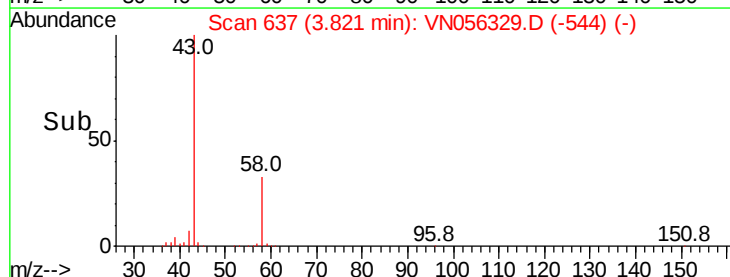
Tgt Ion: 43 Resp: 564795

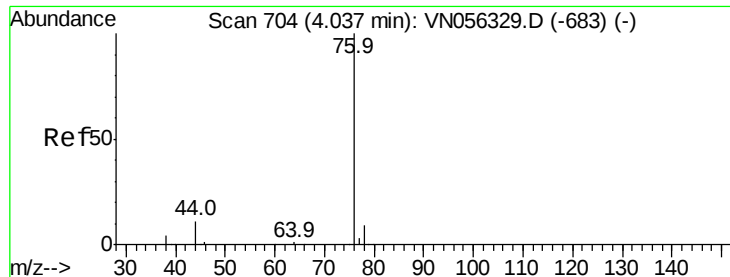
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.5	39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

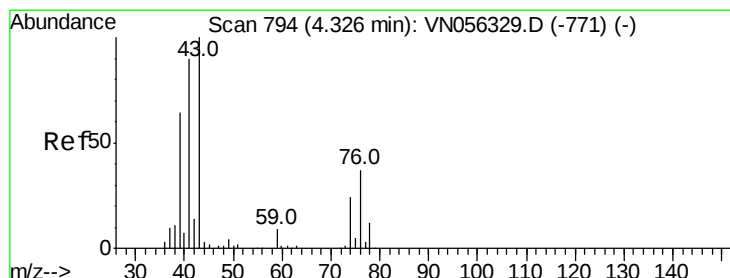
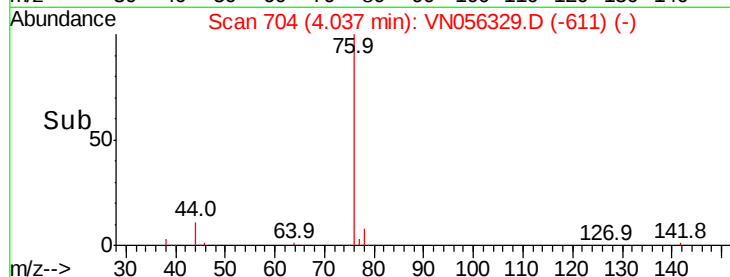
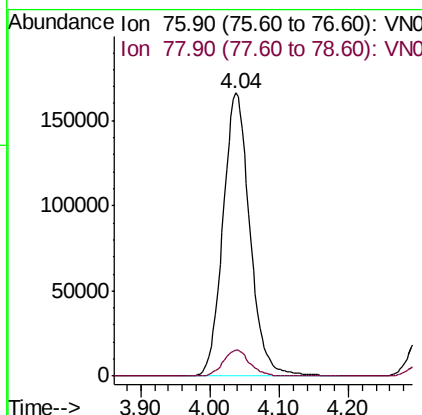
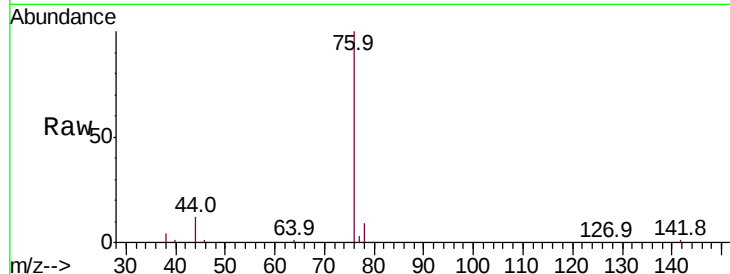




#17
Carbon Disulfide
Concen: 45.066 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

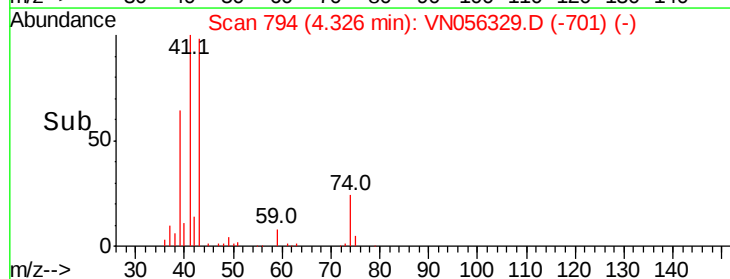
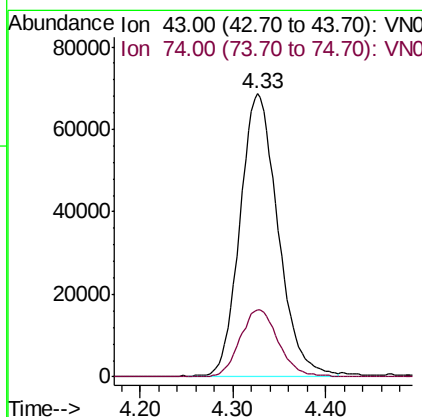
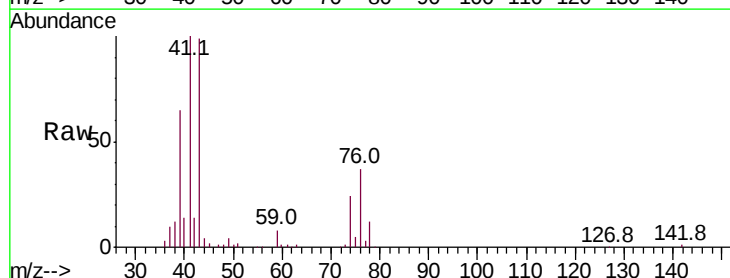
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

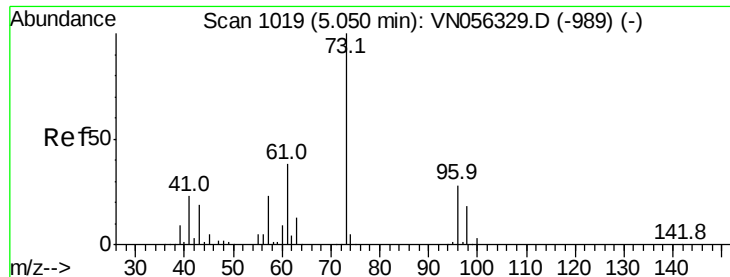
Tot Ion: 76 Resp: 450469
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 39.851 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 43 Resp: 193488
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2



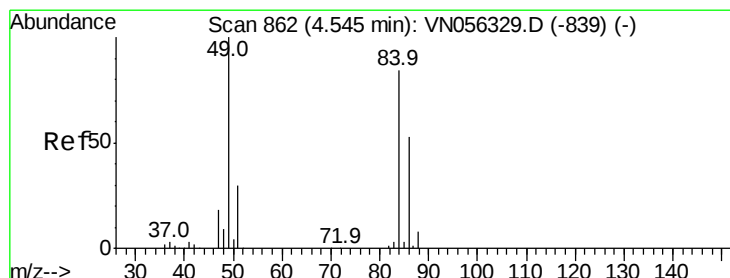
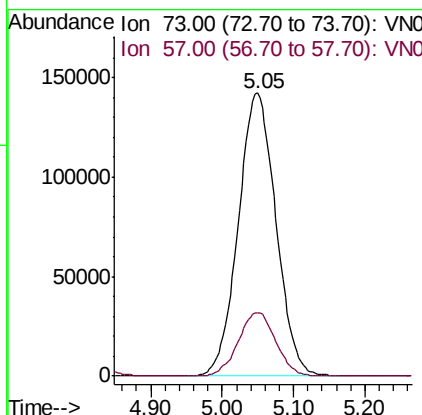
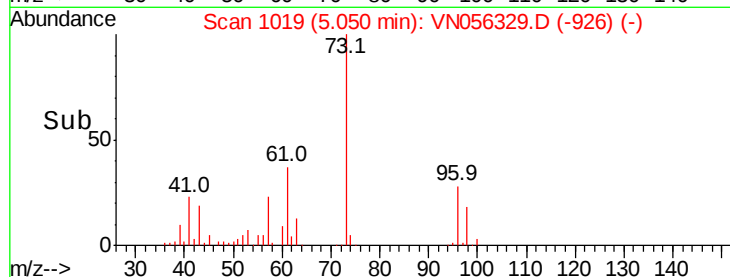
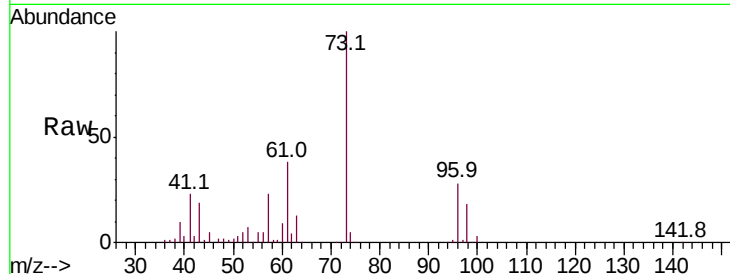


#19

Methyl tert-butyl Ether
 Concen: 42.045 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

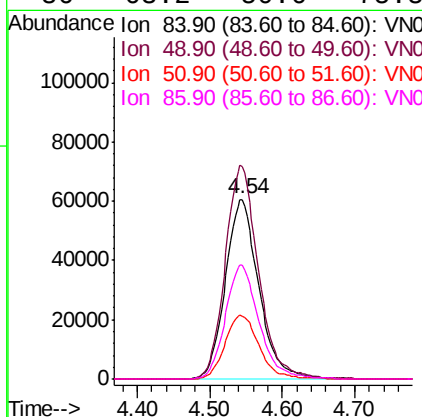
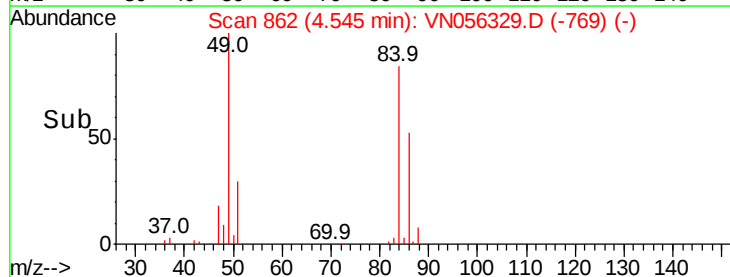
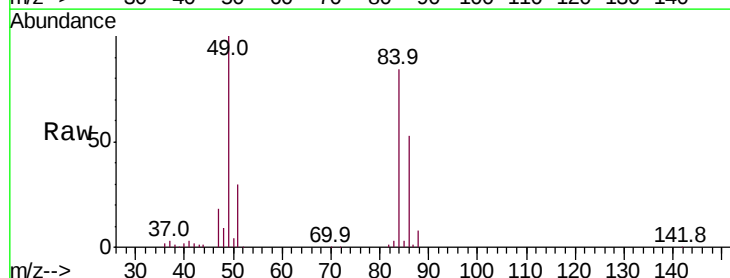
Tot Ion: 73 Resp: 521443
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.1 27.1

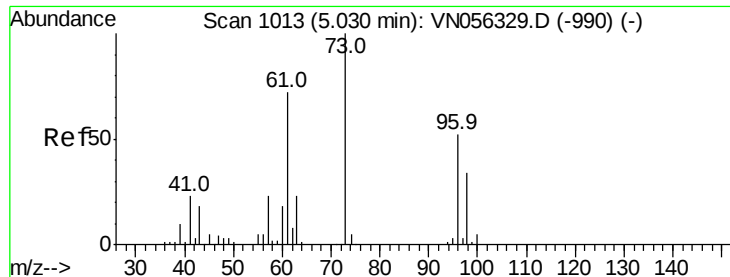


#20

Methylene Chloride
 Concen: 42.322 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 84 Resp: 194215
 Ion Ratio Lower Upper
 84 100
 49 118.8 95.0 142.6
 51 35.3 28.2 42.4
 86 63.2 50.6 75.8

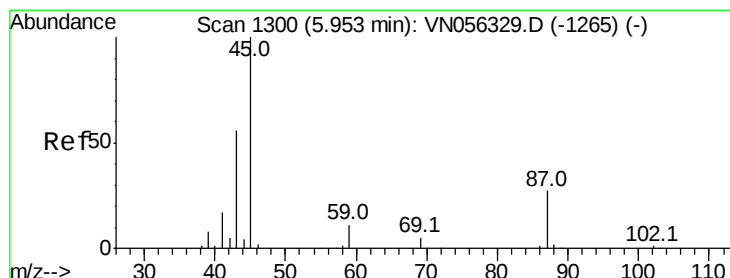
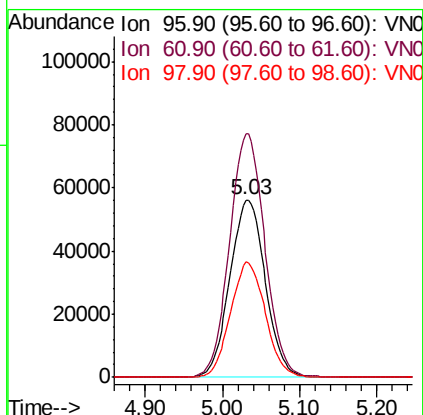
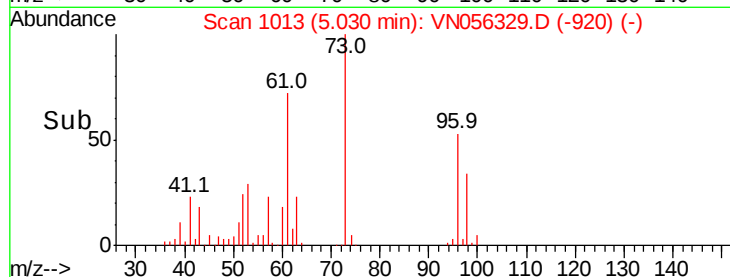
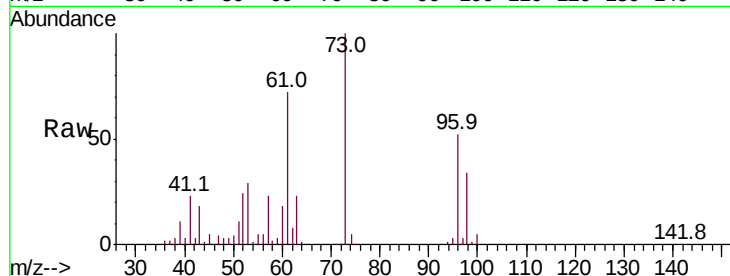




#21
trans-1,2-Dichloroethene
Concen: 42.548 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

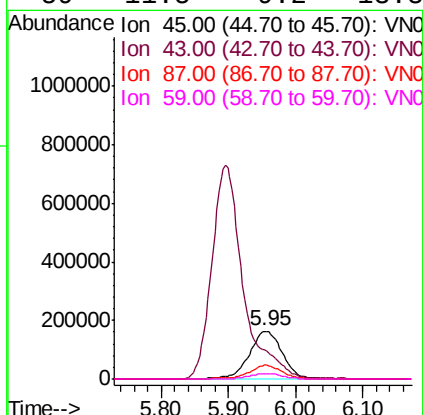
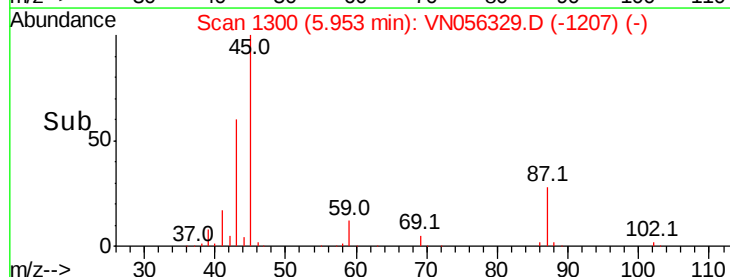
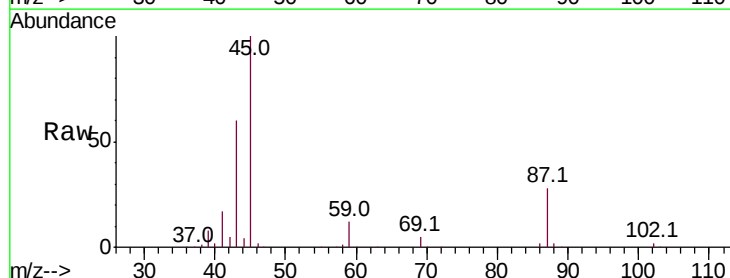
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

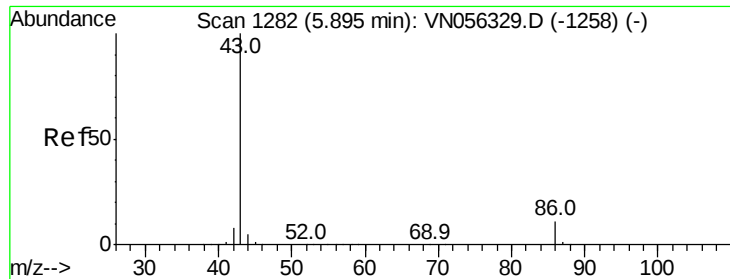
Tot Ion: 96 Resp: 179003
Ion Ratio Lower Upper
96 100
61 137.2 109.8 164.6
98 65.0 52.0 78.0



#22
Diisopropyl ether
Concen: 42.853 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 45 Resp: 558802
Ion Ratio Lower Upper
45 100
43 58.8 47.0 70.6
87 28.0 22.4 33.6
59 11.5 9.2 13.8

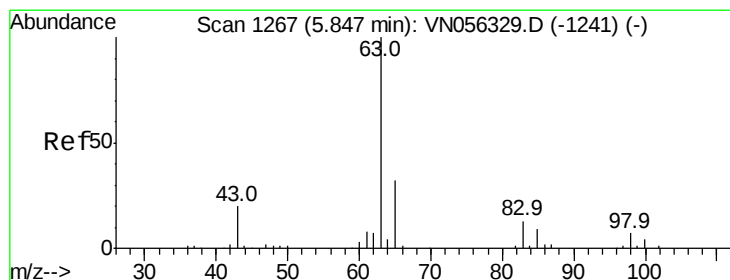
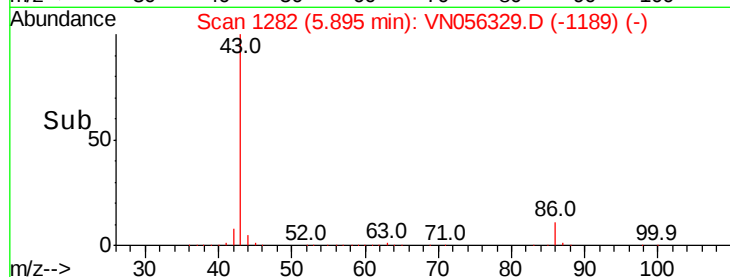
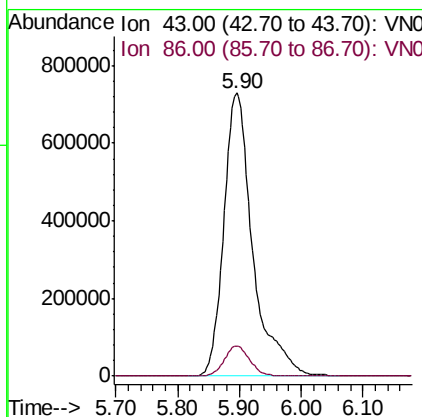
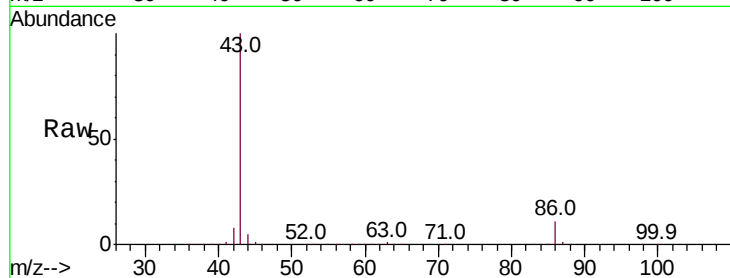




#23
 Vinyl Acetate
 Concen: 224.681 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

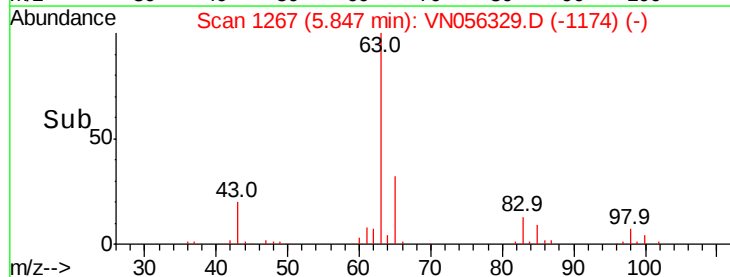
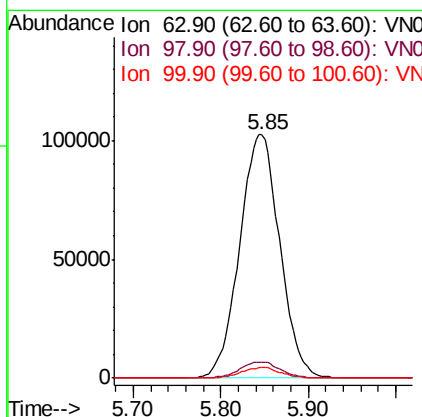
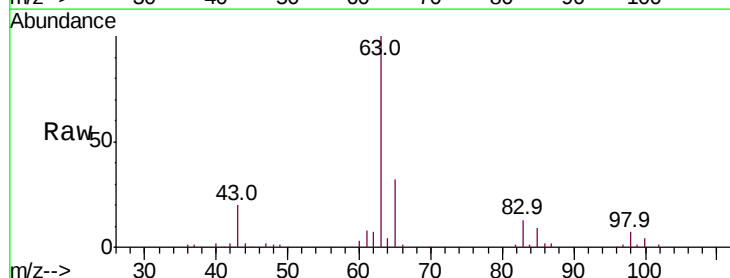
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

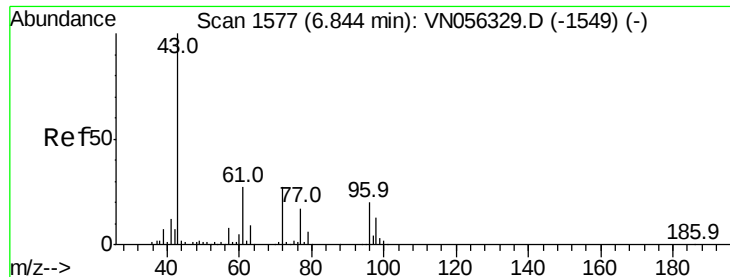
Tot Ion: 43 Resp: 2367196
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 43.290 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 63 Resp: 325656
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 232.149 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

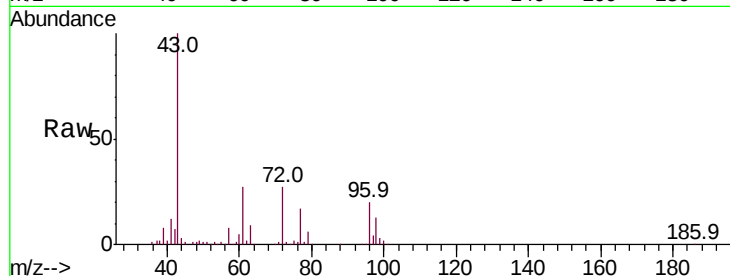
VSTDICCC050

Tot Ion: 43 Resp: 706042

Ion Ratio Lower Upper

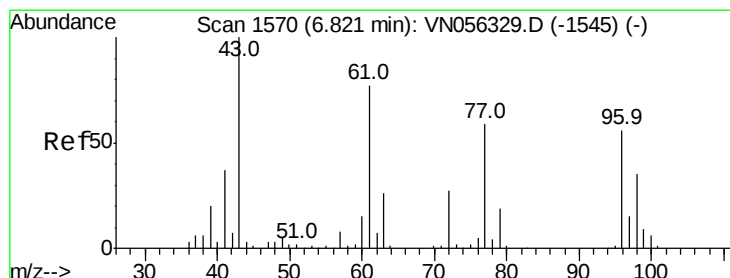
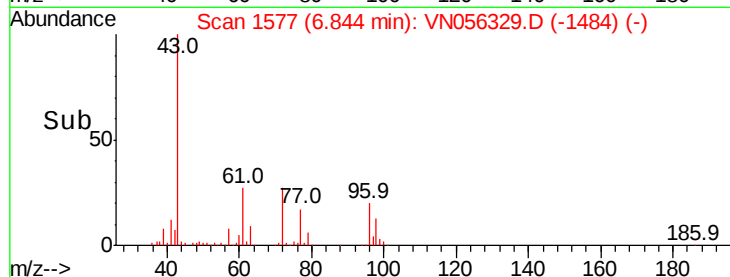
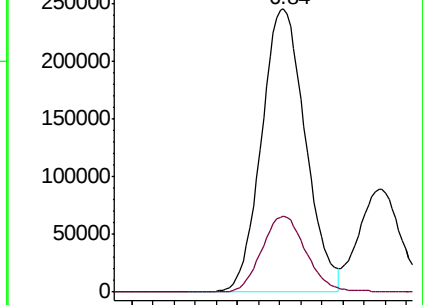
43 100

72 26.8 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO



#26

2,2-Dichloropropane

Concen: 41.246 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056329.D

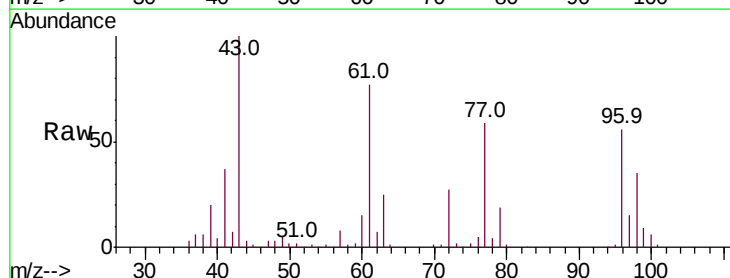
Acq: 17 Jun 2019 10:01

Tgt Ion: 77 Resp: 232208

Ion Ratio Lower Upper

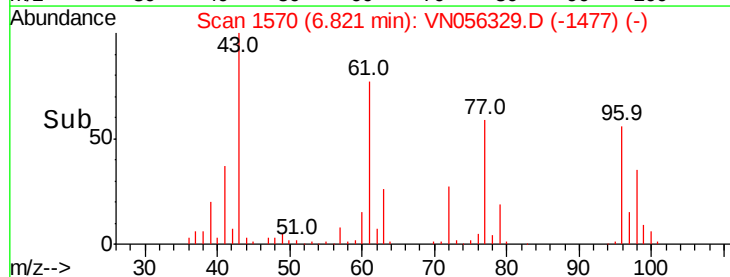
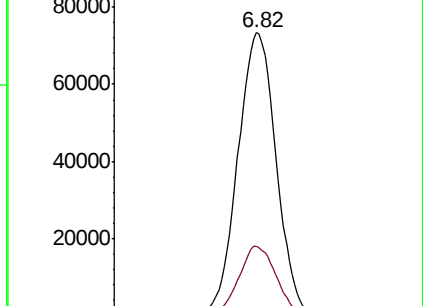
77 100

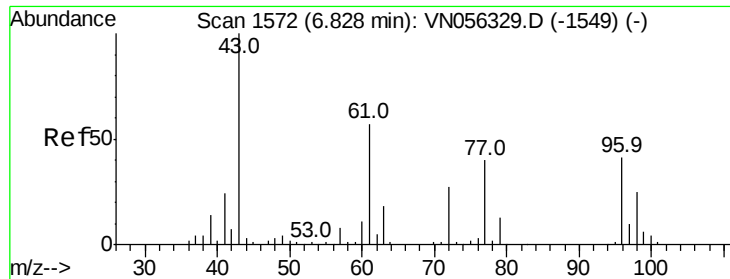
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO

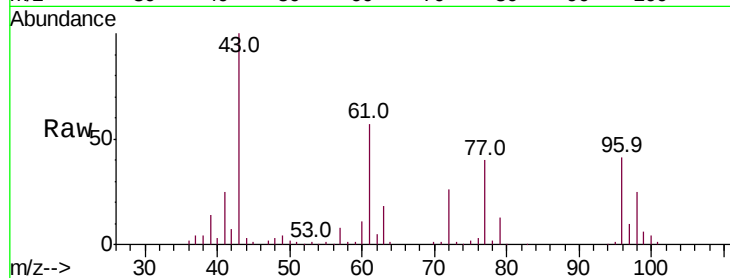




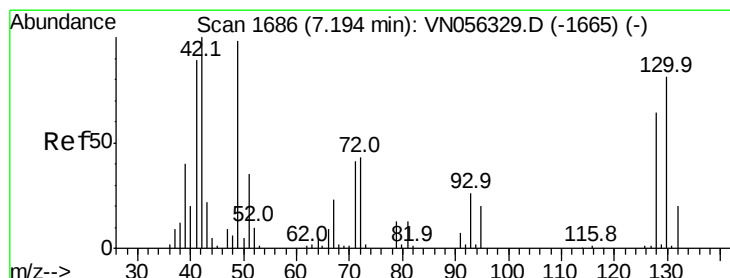
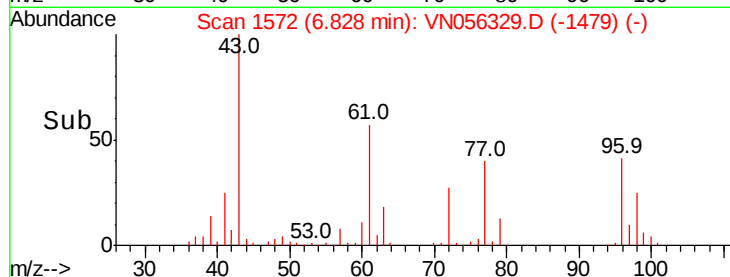
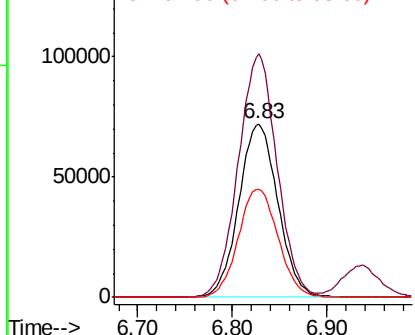
#27
 cis-1,2-Dichloroethene
 Concen: 42.268 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	278.6
98	63.5	0.0	127.0

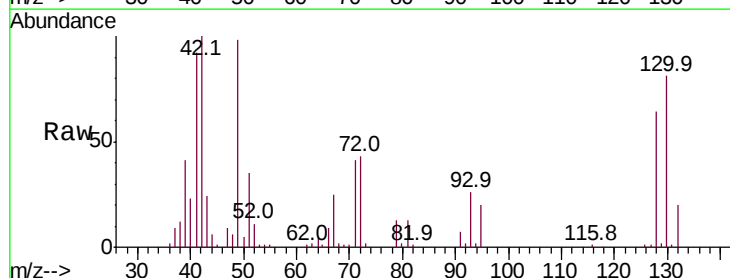


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

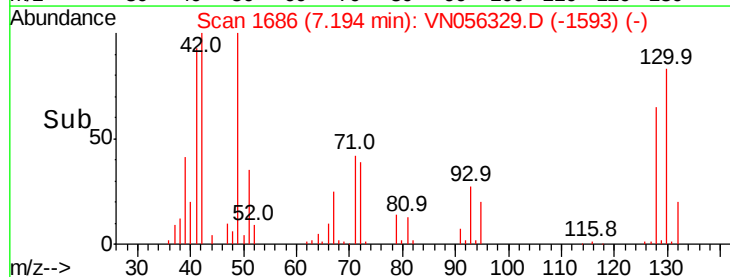
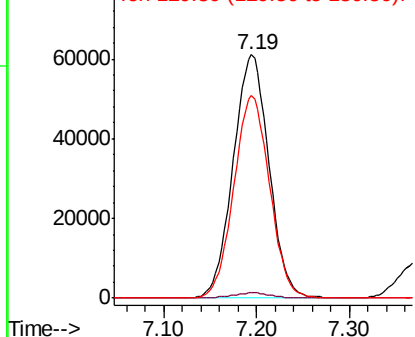


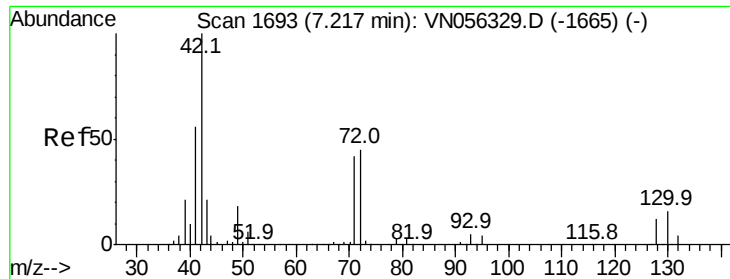
#28
 Bromochloromethane
 Concen: 44.877 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	83.0	66.4	99.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

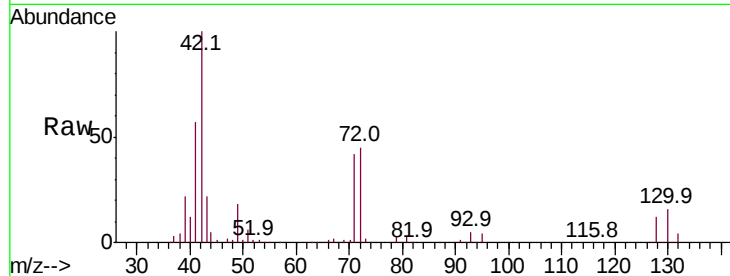




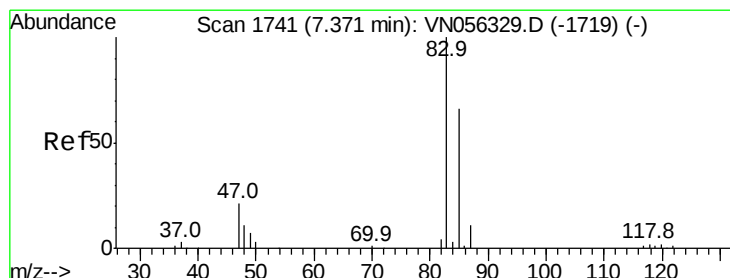
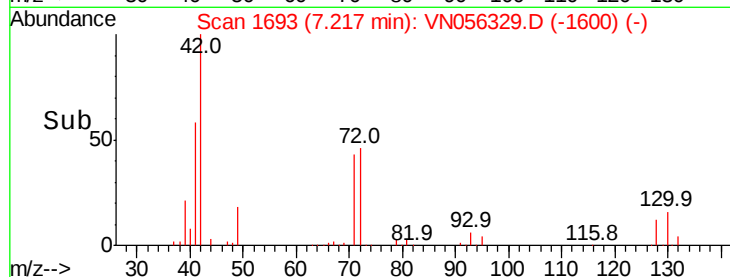
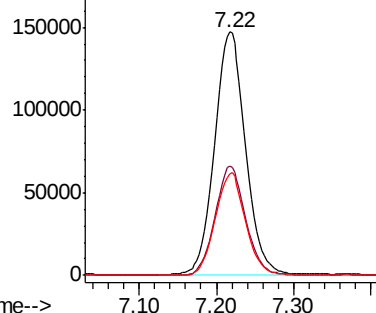
#29
Tetrahydrofuran
Concen: 224.556 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 411002
Ion Ratio Lower Upper
42 100
72 44.1 35.3 52.9
71 40.9 32.7 49.1

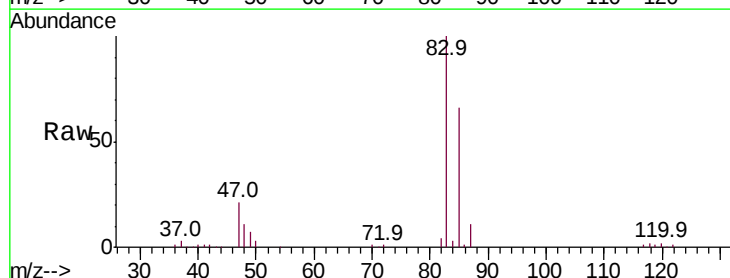


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

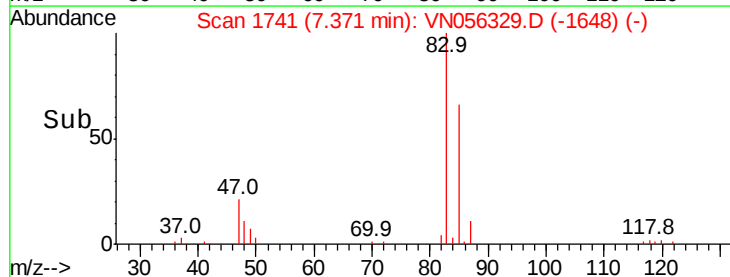
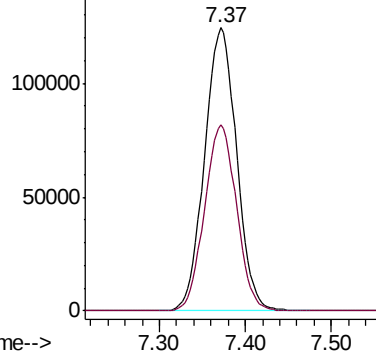


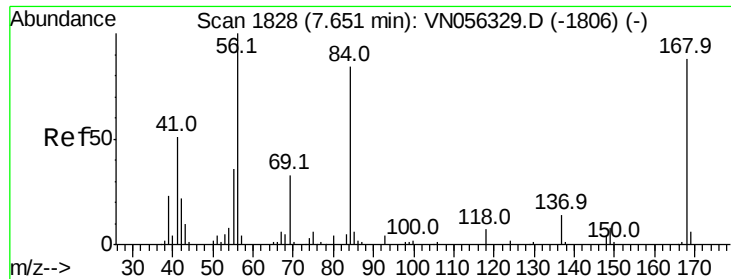
#30
Chloroform
Concen: 42.931 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 83 Resp: 322398
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8



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

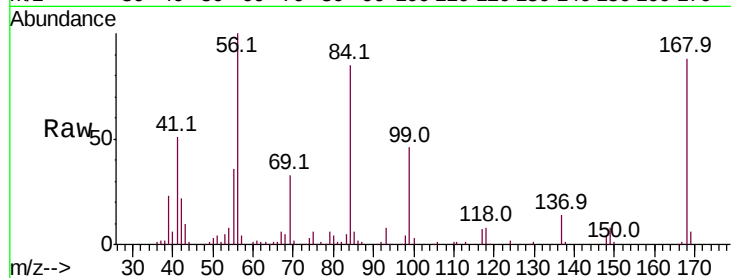




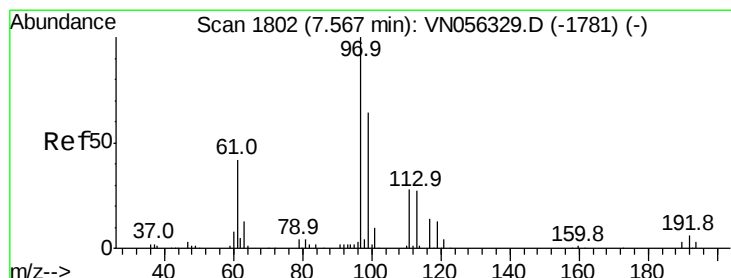
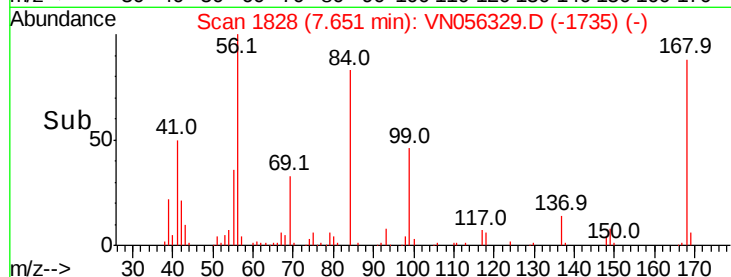
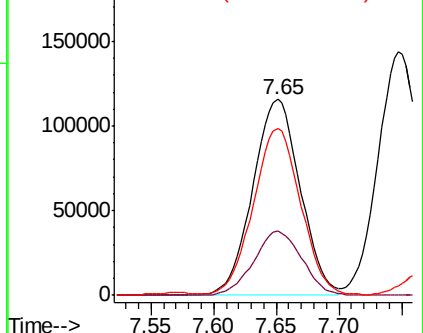
#31
Cyclohexane
Concen: 39.708 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 304568
Ion Ratio Lower Upper
56 100
69 32.5 26.0 39.0
84 84.2 67.4 101.0

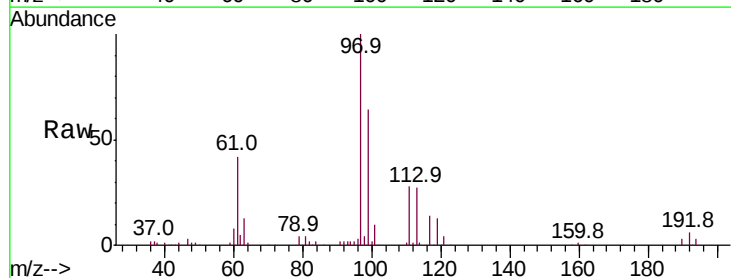


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

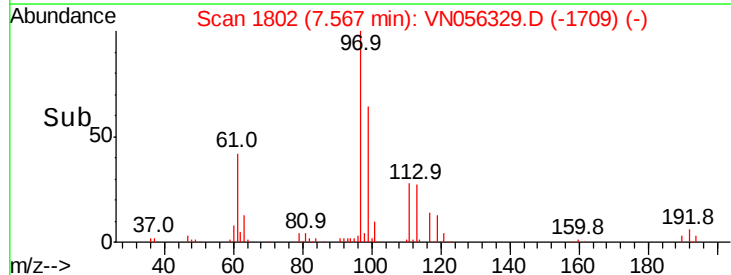
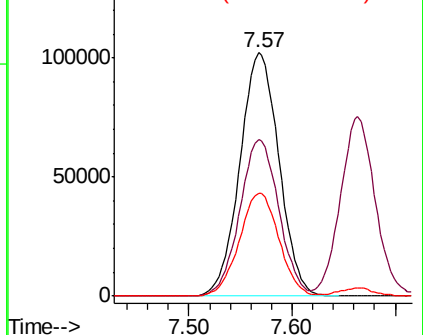


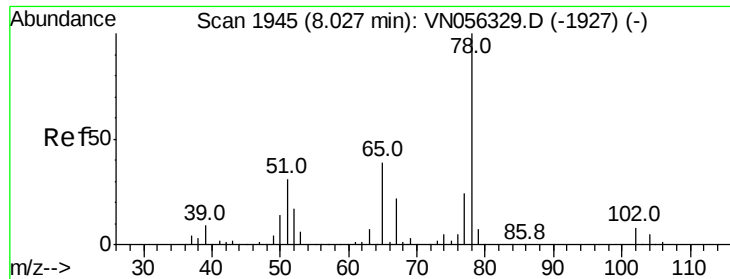
#32
1,1,1-Trichloroethane
Concen: 43.013 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 97 Resp: 269466
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.0 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

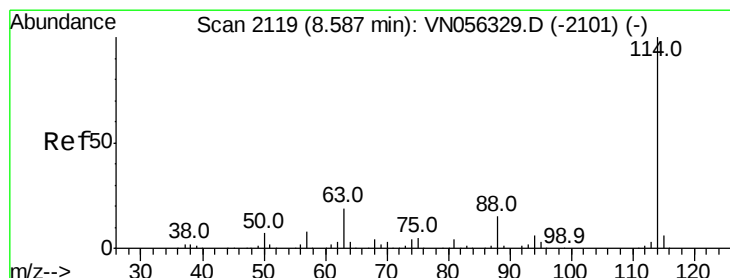
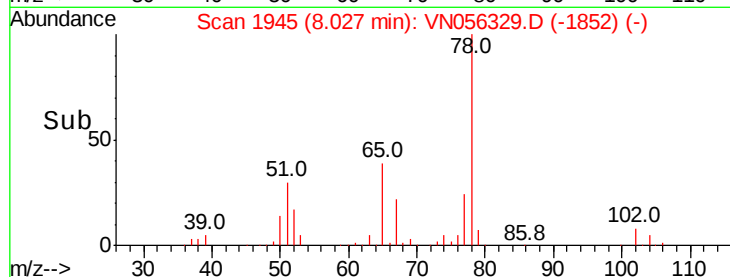
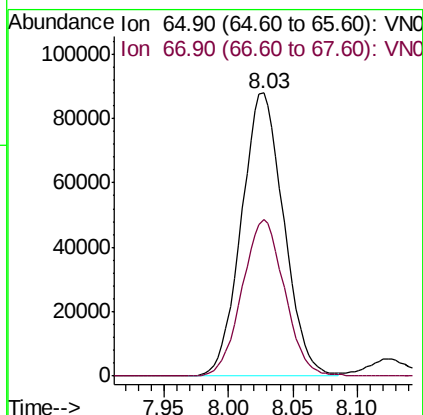
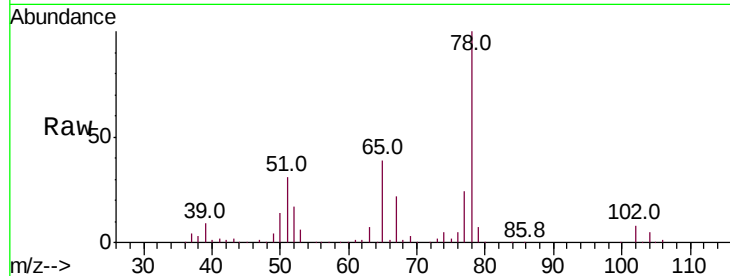




#33
 1,2-Dichloroethane-d4
 Concen: 41.179 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

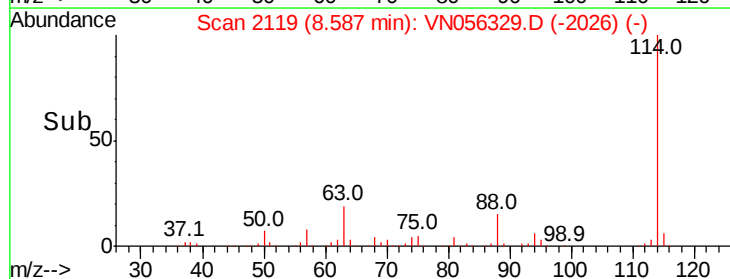
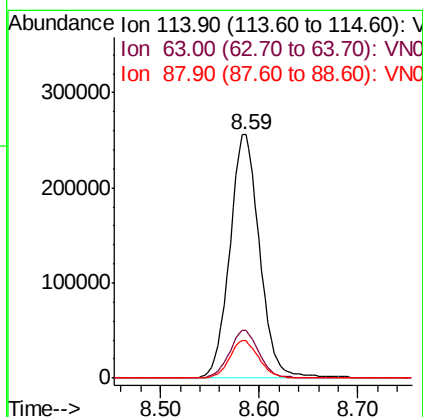
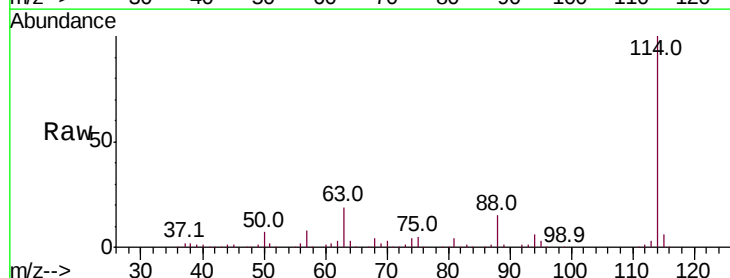
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

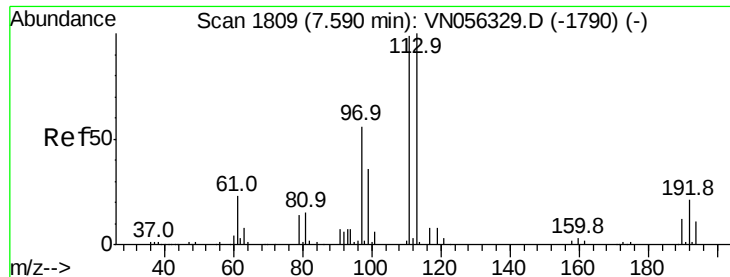
Tot Ion: 65 Resp: 201162
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 114 Resp: 539284
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.3 0.0 30.6

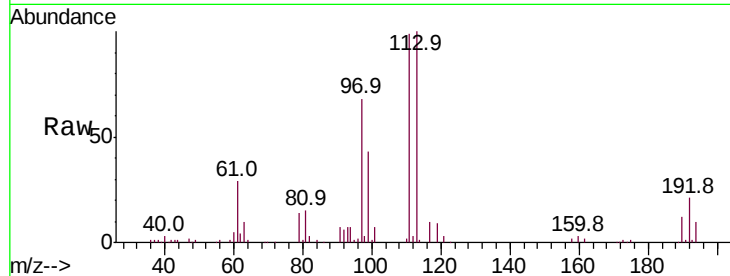




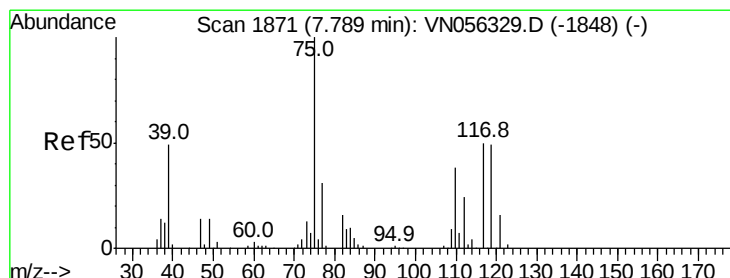
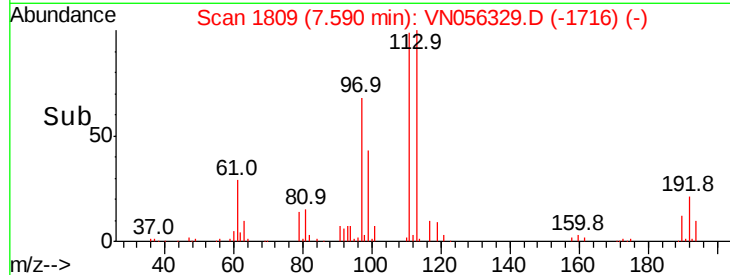
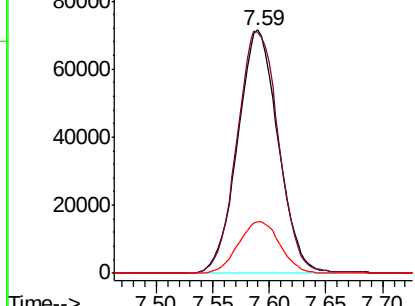
#35
 Dibromofluoromethane
 Concen: 40.176 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:113 Resp: 177932
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.1 123.1
 192 22.0 17.6 26.4

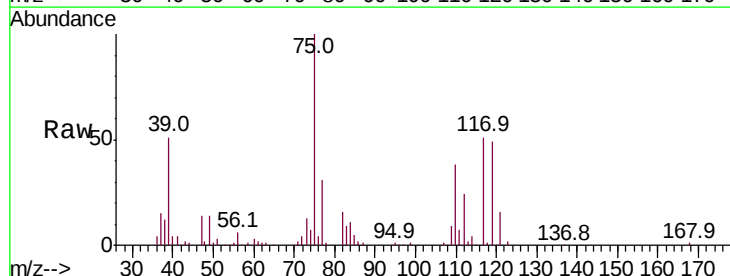


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

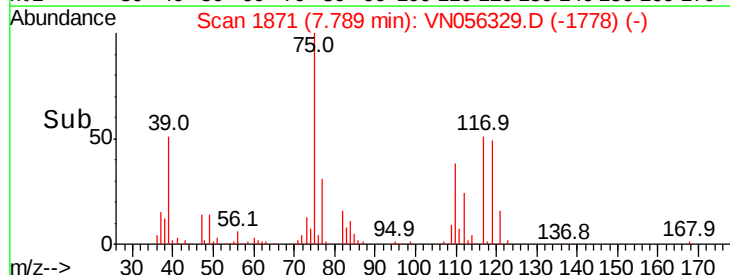
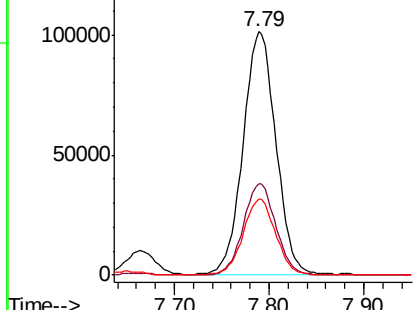


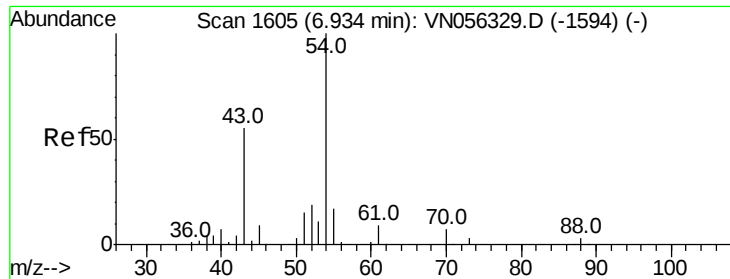
#36
 1,1-Dichloropropene
 Concen: 40.805 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 75 Resp: 243731
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.6 56.0
 77 31.3 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

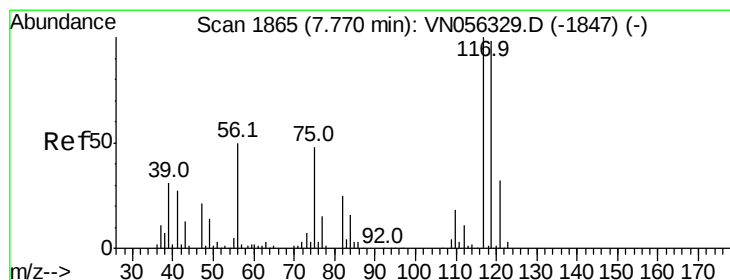
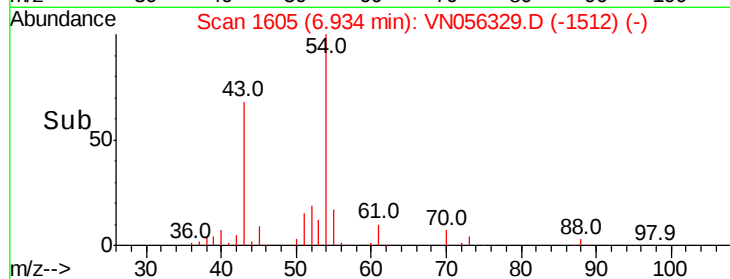
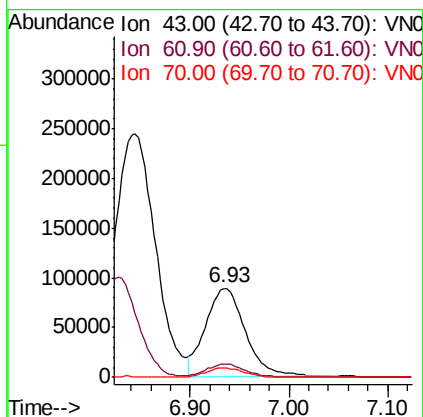
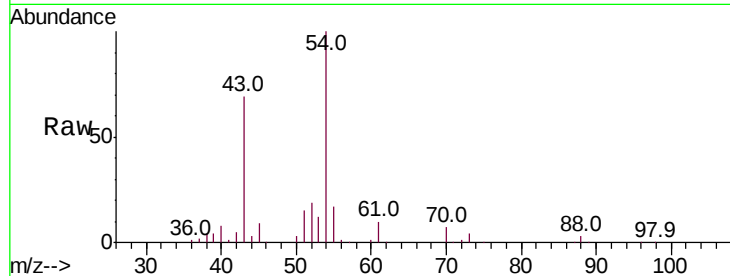




#37
Ethyl Acetate
Concen: 44.499 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

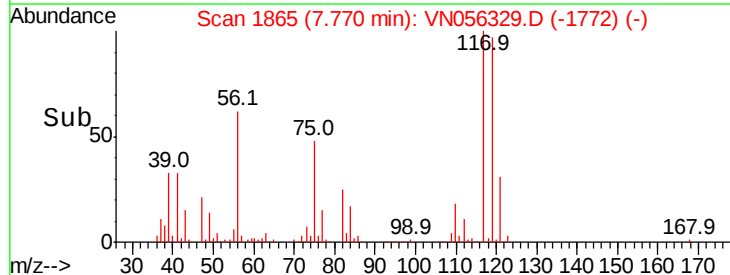
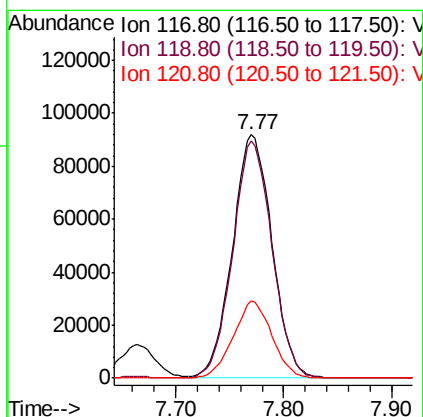
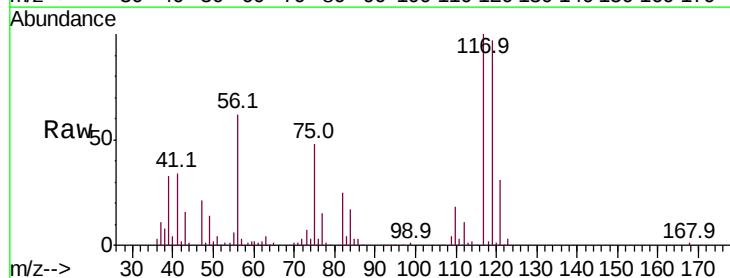
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

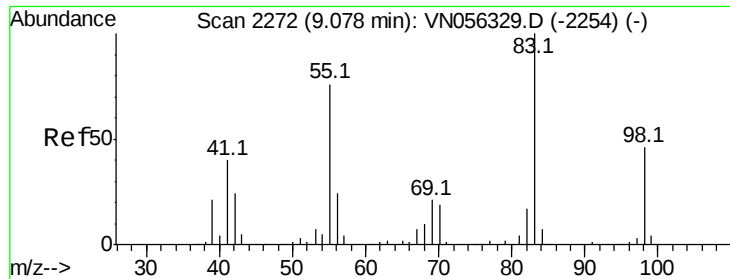
Tot Ion: 43 Resp: 249451
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 41.964 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 117 Resp: 233731
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
121 31.6 25.3 37.9

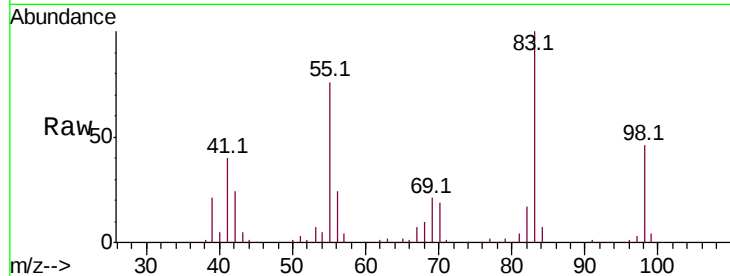




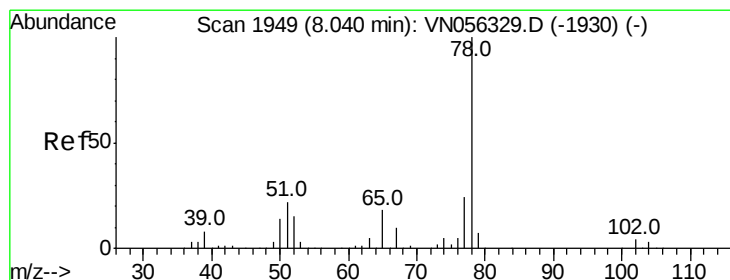
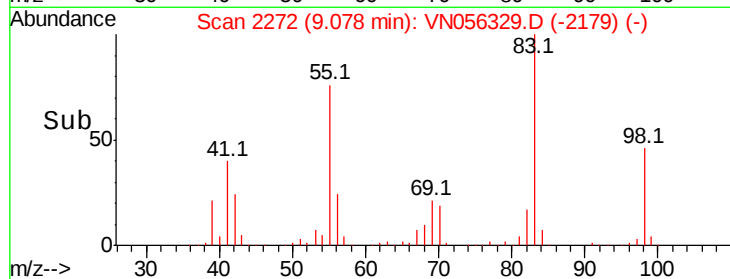
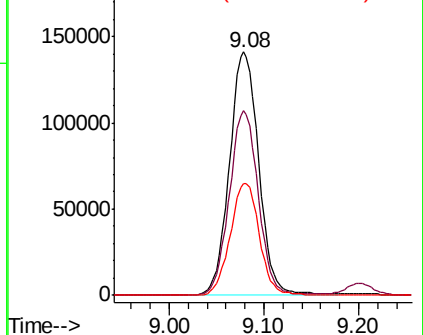
#39
Methvlcvclohexane
Concen: 41.097 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 303992
Ion Ratio Lower Upper
83 100
55 76.0 60.8 91.2
98 46.0 36.8 55.2

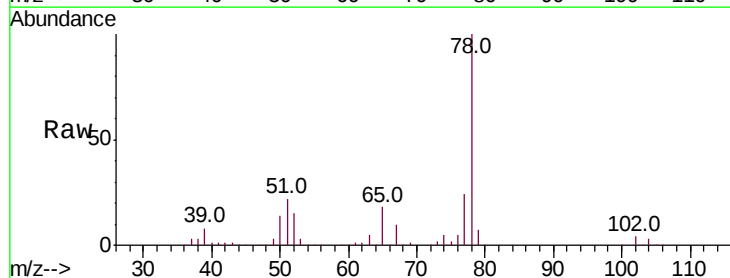


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

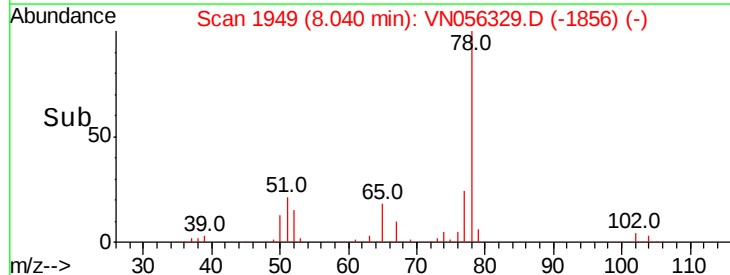
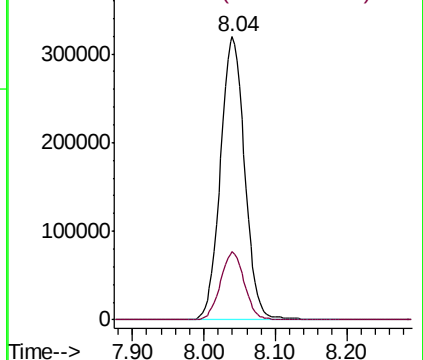


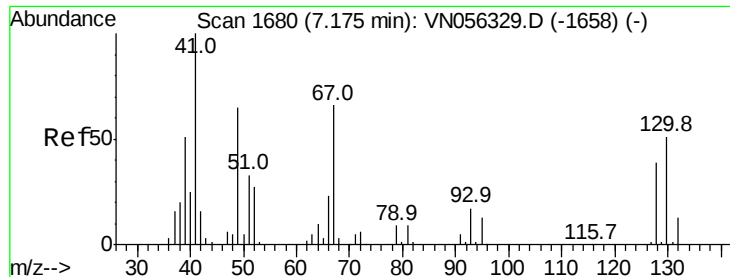
#40
Benzene
Concen: 41.671 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 78 Resp: 755032
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8



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

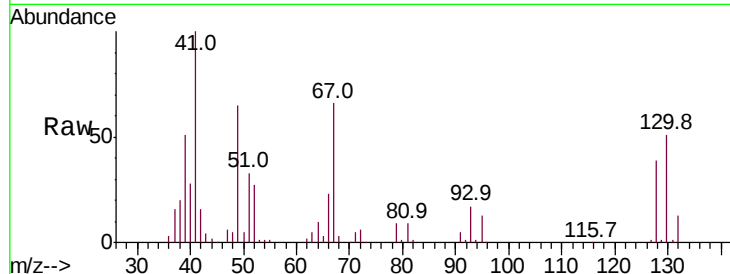




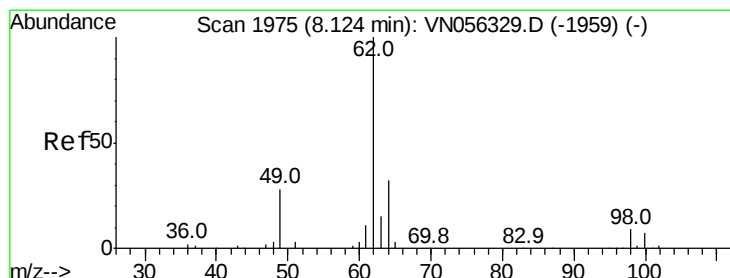
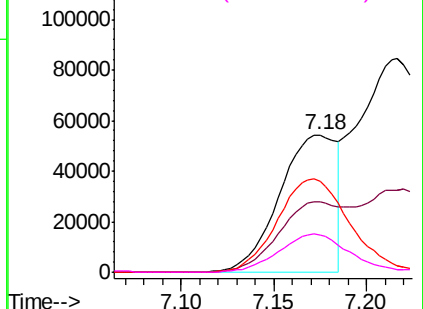
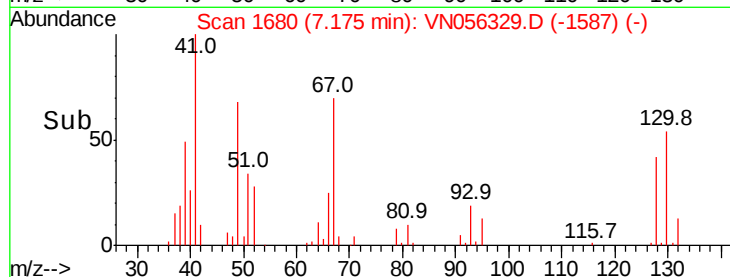
#41
Methacrylonitrile
Concen: 44.289 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 41 Resp: 116554
Ion Ratio Lower Upper
41 100
39 55.6 44.5 66.7
67 86.2 69.0 103.4
52 35.1 28.1 42.1

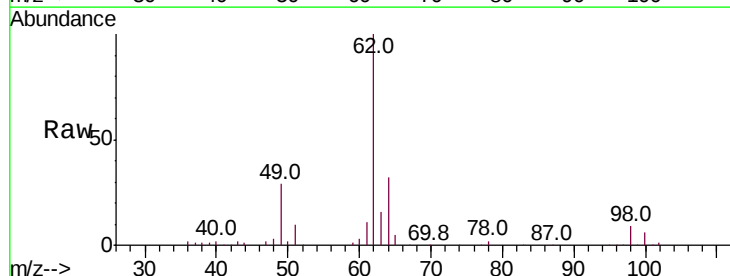


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

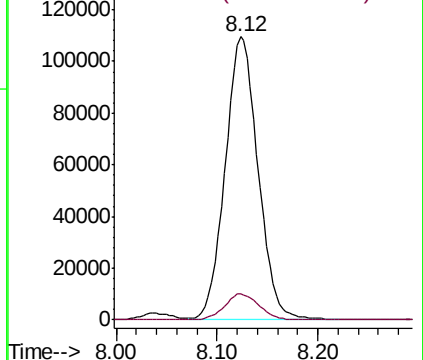
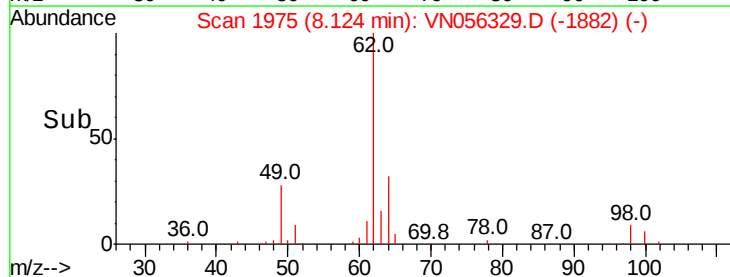


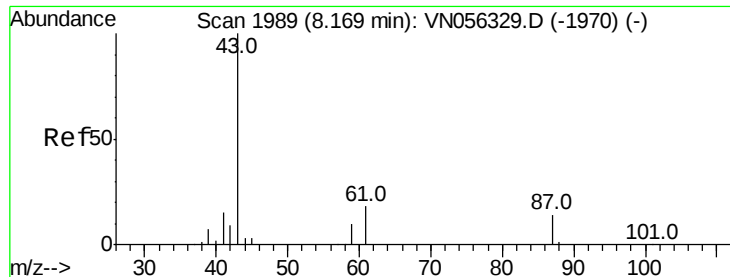
#42
1,2-Dichloroethane
Concen: 41.915 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 62 Resp: 246928
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 42.956 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

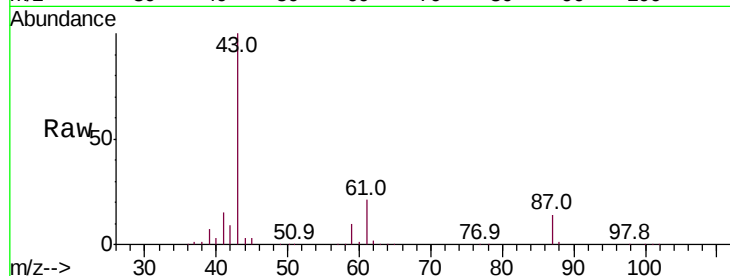
Tot Ion: 43 Resp: 379970

Ion Ratio Lower Upper

43 100

61 20.8 16.6 25.0

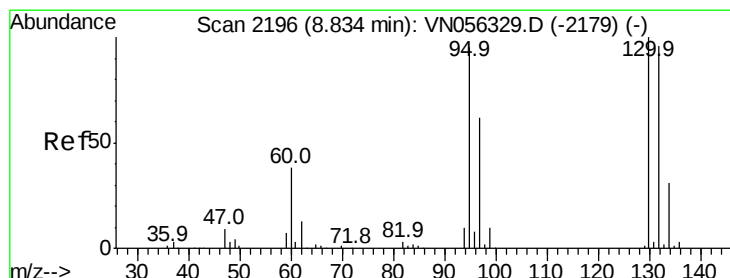
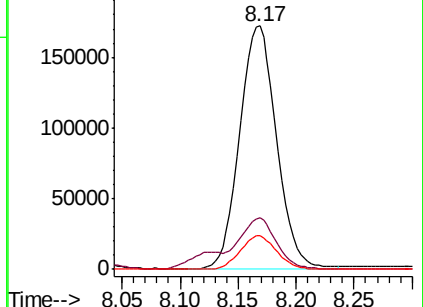
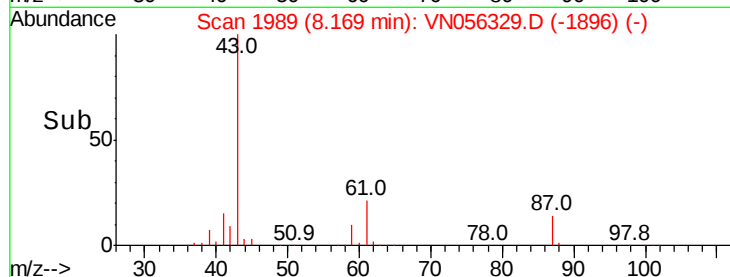
87 13.7 11.0 16.4



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

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

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



#44

Trichloroethene

Concen: 40.116 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056329.D

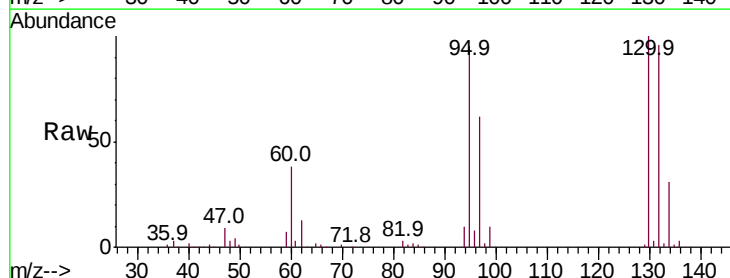
Acq: 17 Jun 2019 10:01

Tgt Ion:130 Resp: 203203

Ion Ratio Lower Upper

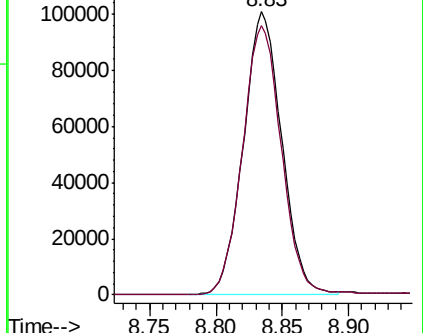
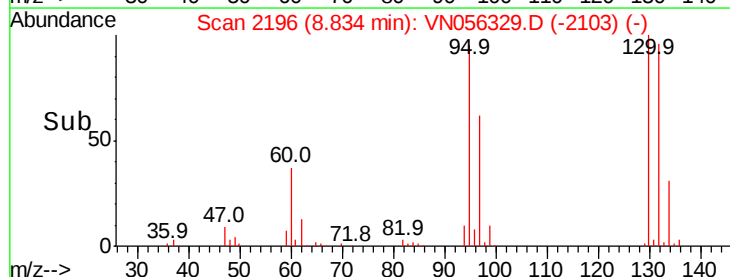
130 100

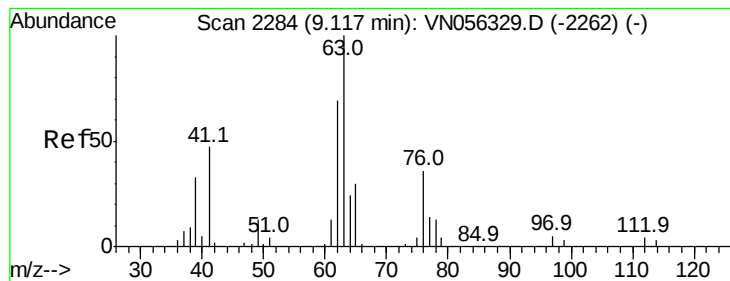
95 95.2 0.0 190.4



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

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





#45

1,2-Dichloropropane

Concen: 42.577 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

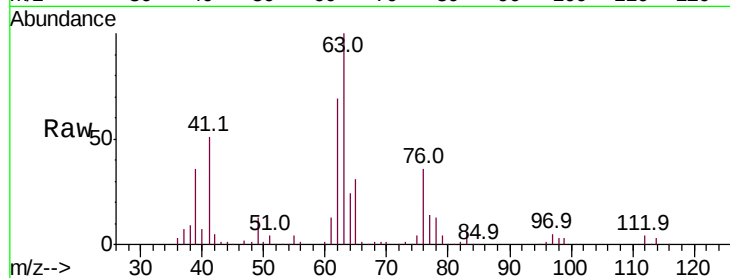
VSTDICCC050

Tot Ion: 63 Resp: 201589

Ion Ratio Lower Upper

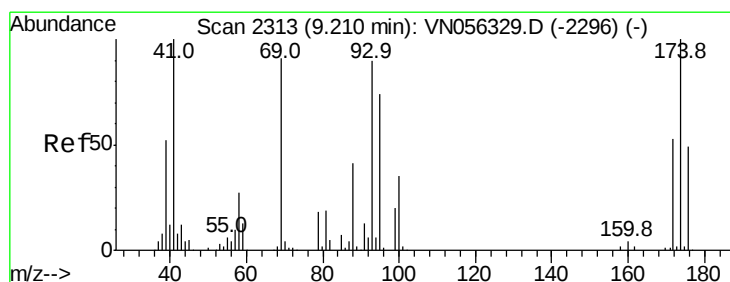
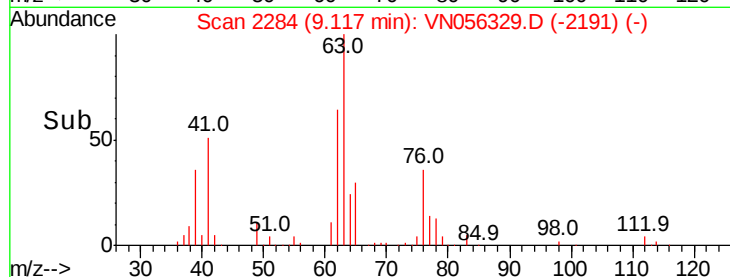
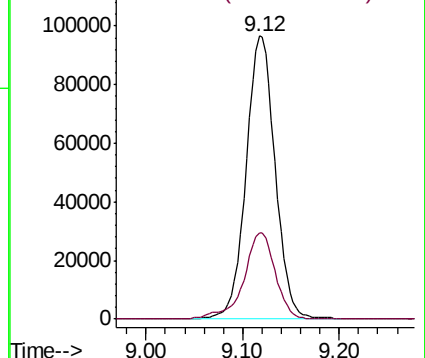
63 100

65 30.5 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: 42.482 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

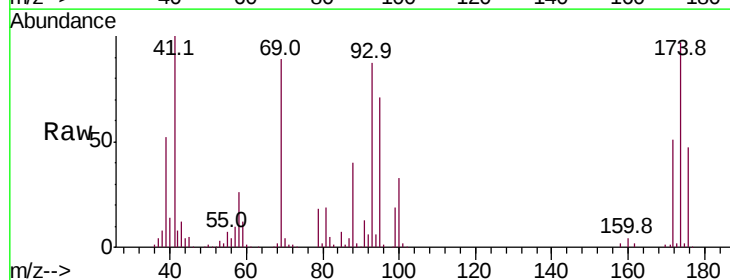
Tgt Ion: 93 Resp: 131709

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

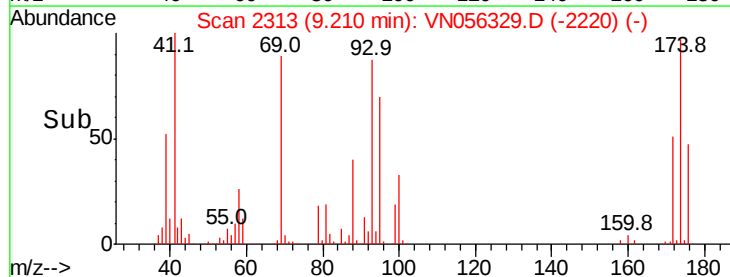
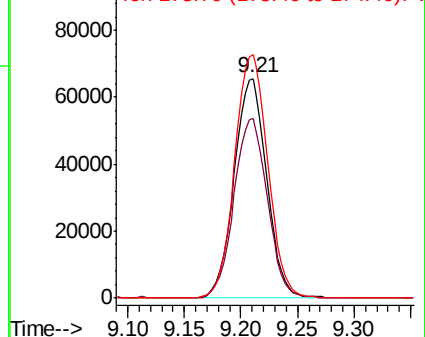
174 112.9 90.3 135.5

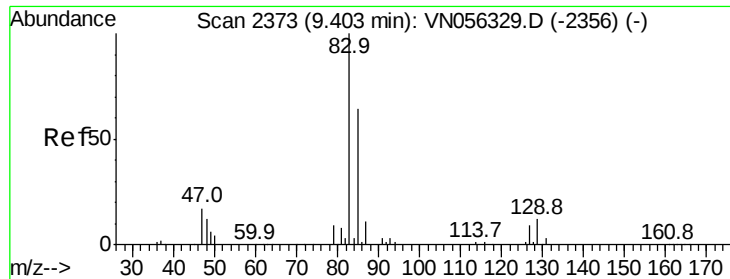


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 43.715 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

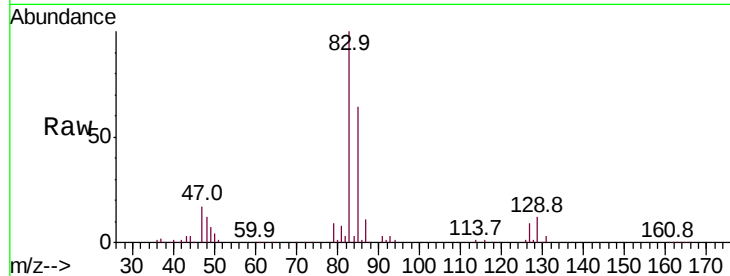
Tot Ion: 83 Resp: 251761

Ion Ratio Lower Upper

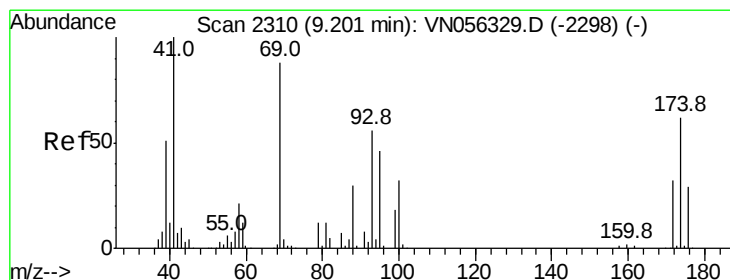
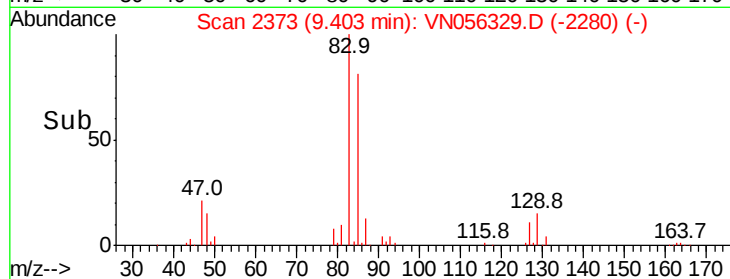
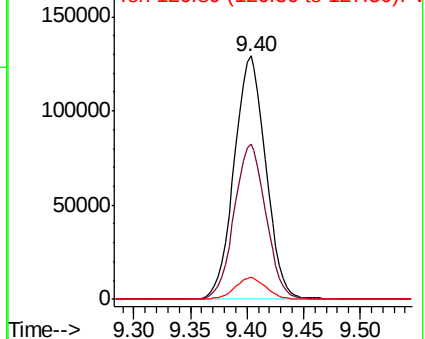
83 100

85 63.9 51.1 76.7

127 8.9 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: 43.554 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

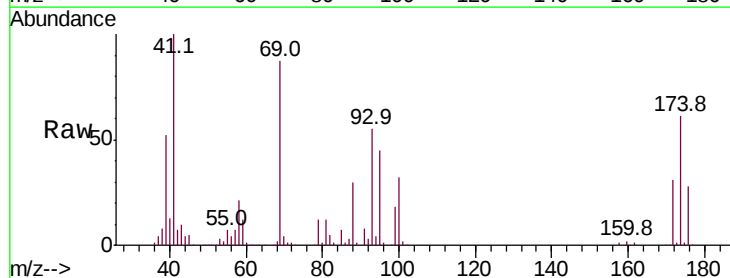
Tgt Ion: 41 Resp: 192309

Ion Ratio Lower Upper

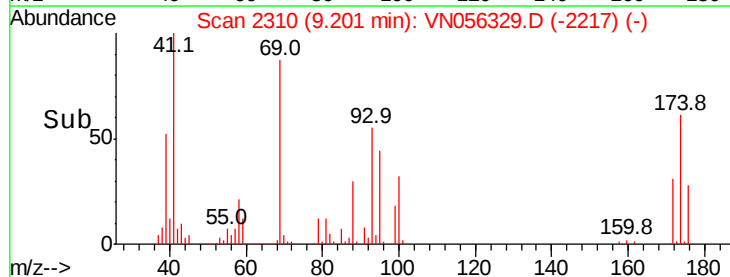
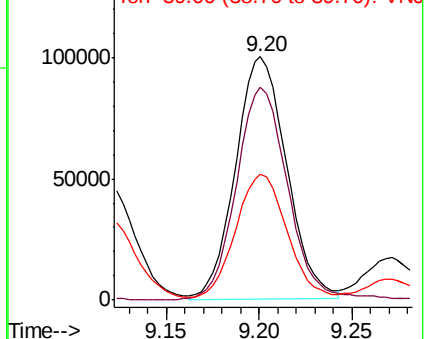
41 100

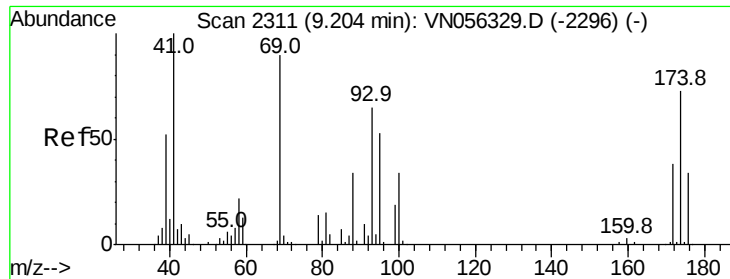
69 88.8 71.0 106.6

39 52.1 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: 849.269 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

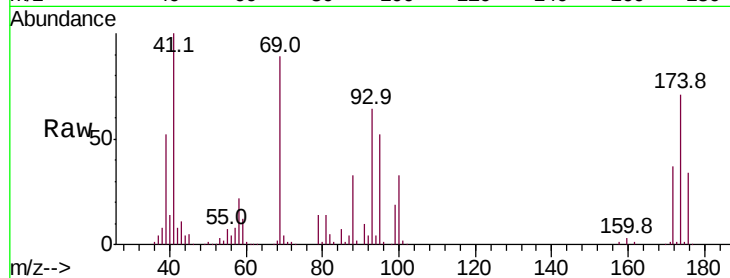
Tot Ion: 88 Resp: 78440

Ion Ratio Lower Upper

88 100

43 27.4 21.9 32.9

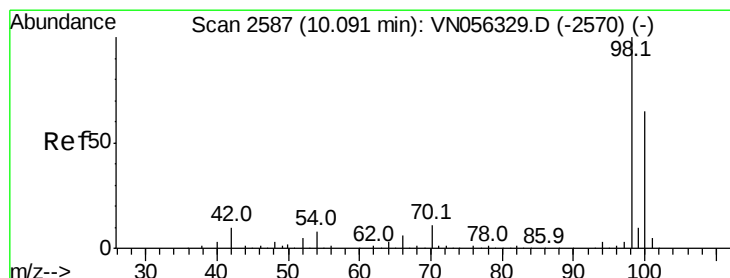
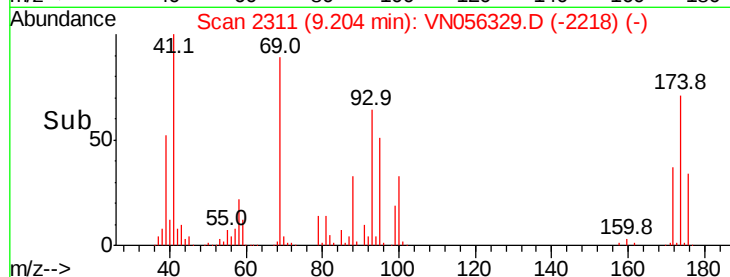
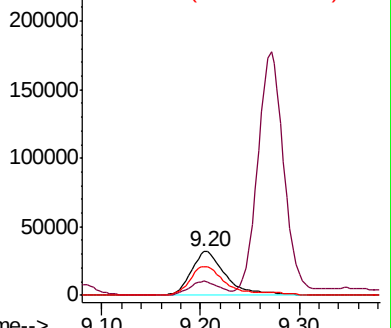
58 71.6 57.3 85.9



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: 39.969 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056329.D

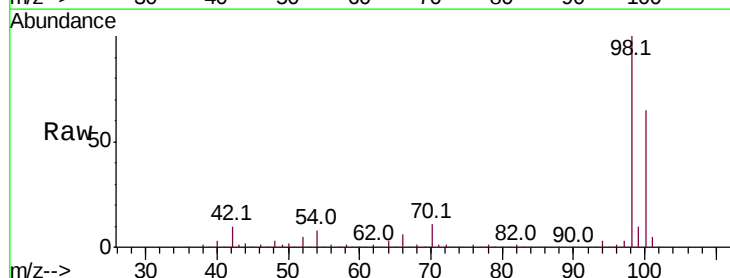
Acq: 17 Jun 2019 10:01

Tgt Ion: 98 Resp: 678955

Ion Ratio Lower Upper

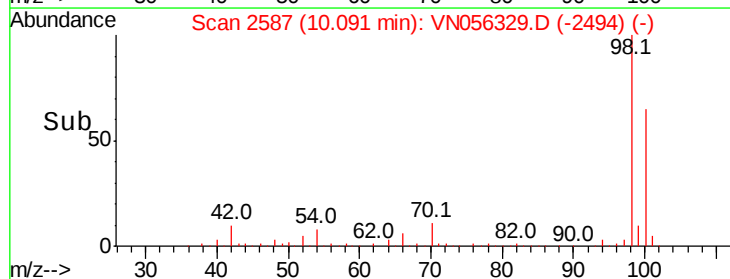
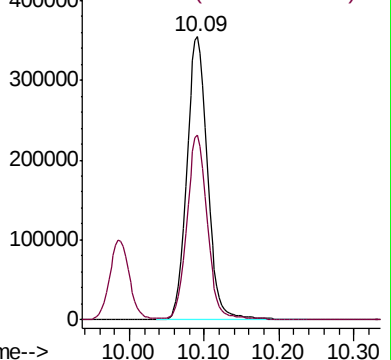
98 100

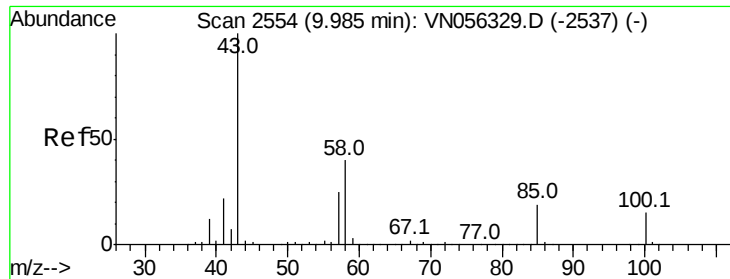
100 64.5 51.6 77.4



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: 218.049 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

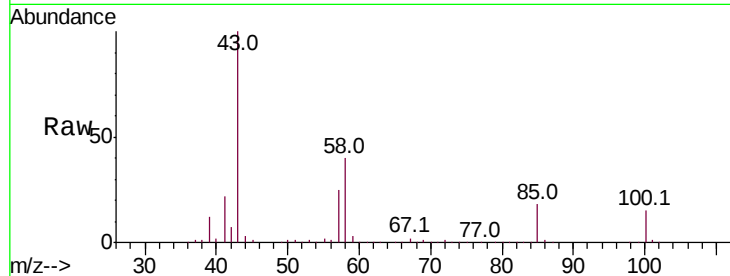
VSTDICCC050

Tot Ion: 43 Resp: 1229816

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

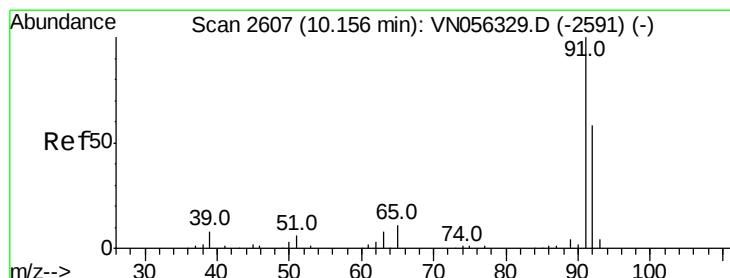
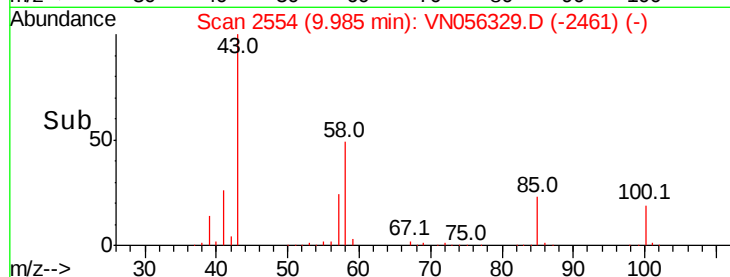
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 41.787 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056329.D

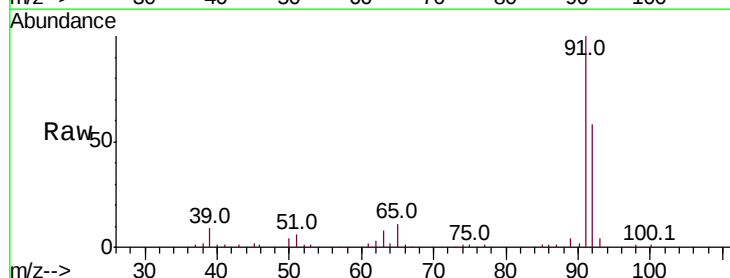
Acq: 17 Jun 2019 10:01

Tgt Ion: 92 Resp: 470430

Ion Ratio Lower Upper

92 100

91 173.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

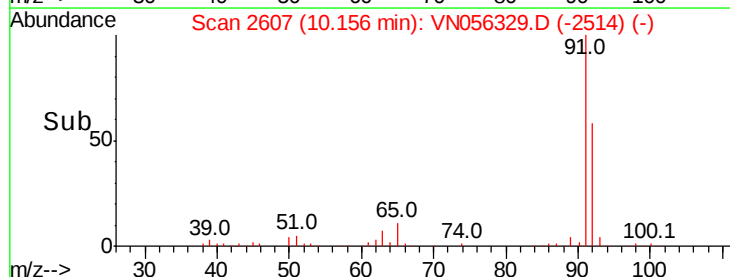
300000

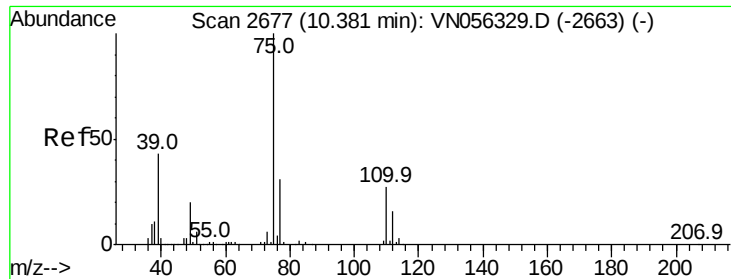
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.714 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

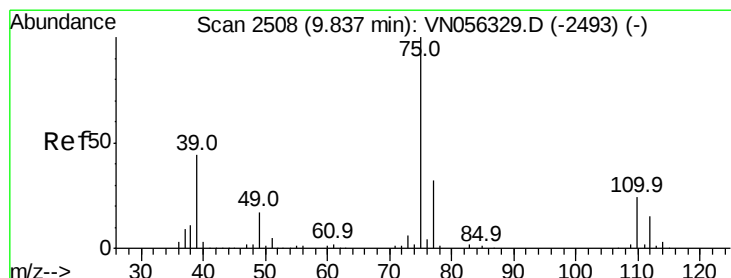
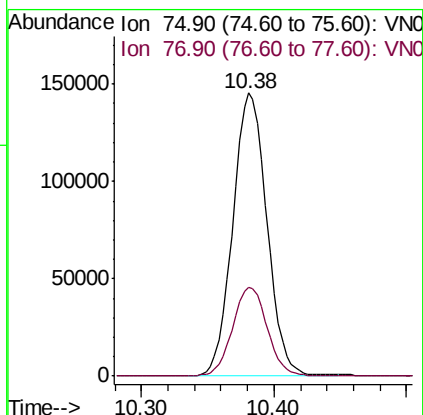
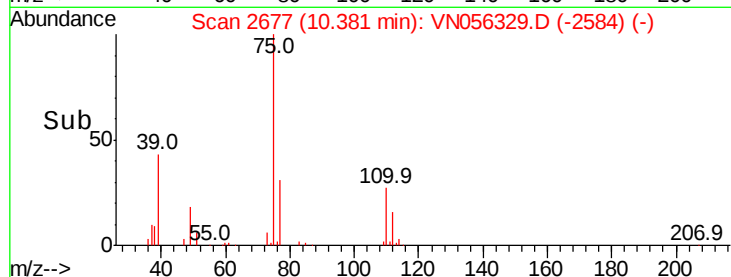
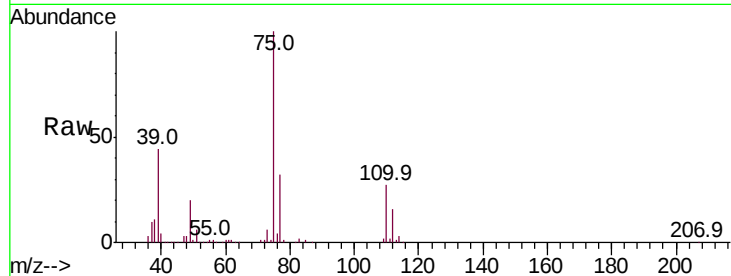
VSTDICCC050

Tot Ion: 75 Resp: 259490

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 43.586 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

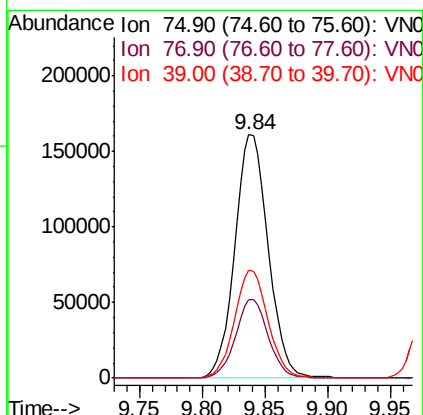
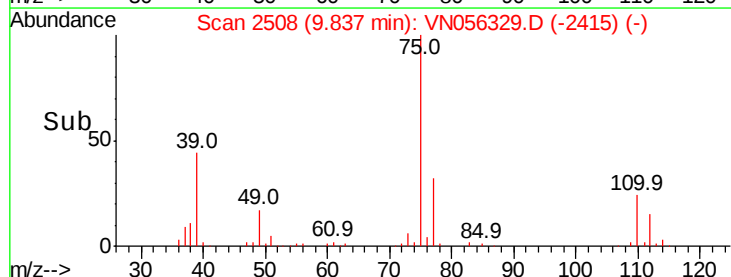
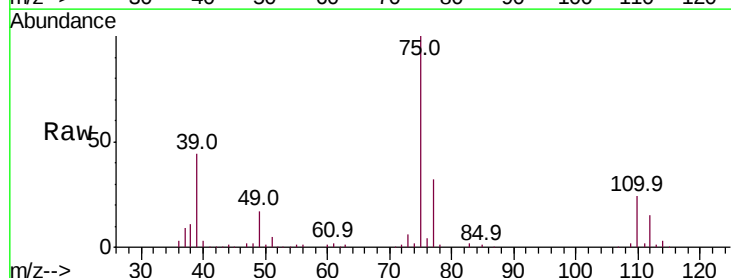
Tgt Ion: 75 Resp: 297215

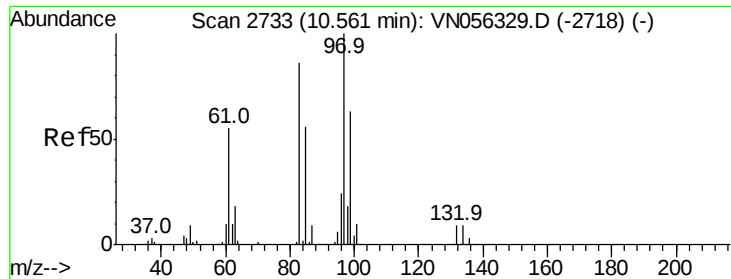
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 44.2 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 41.874 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 187308

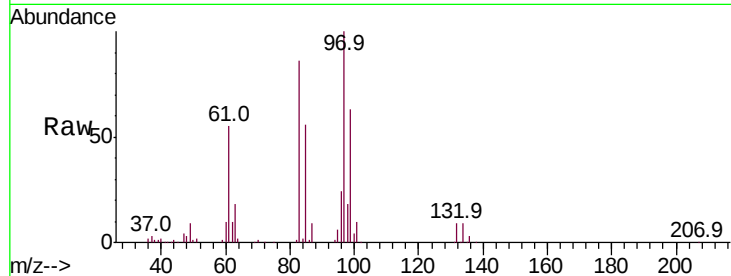
Ion Ratio Lower Upper

97 100

83 86.2 69.0 103.4

85 55.8 44.6 67.0

99 63.1 50.5 75.7

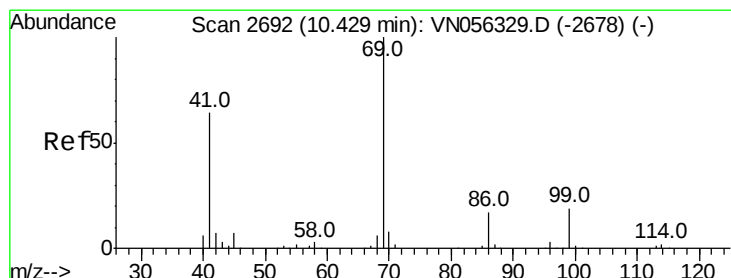
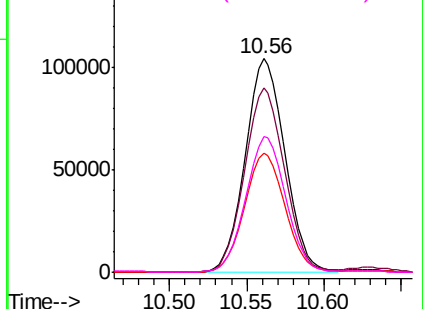
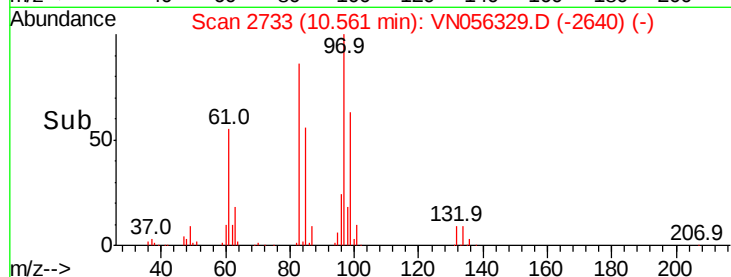


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 42.778 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

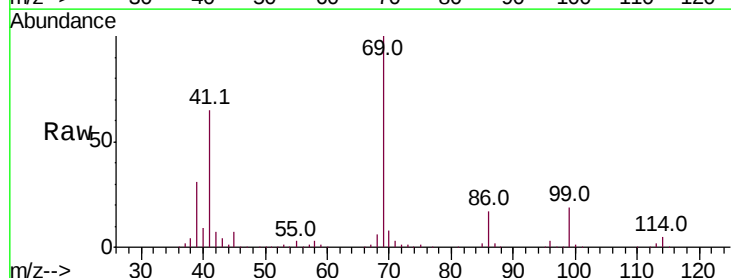
Tgt Ion: 69 Resp: 286027

Ion Ratio Lower Upper

69 100

41 65.0 52.0 78.0

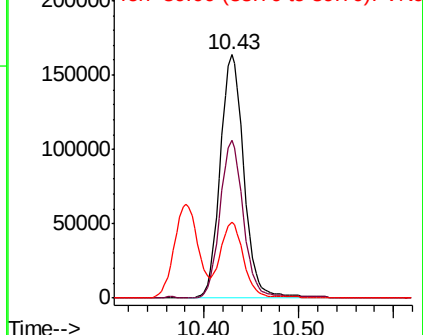
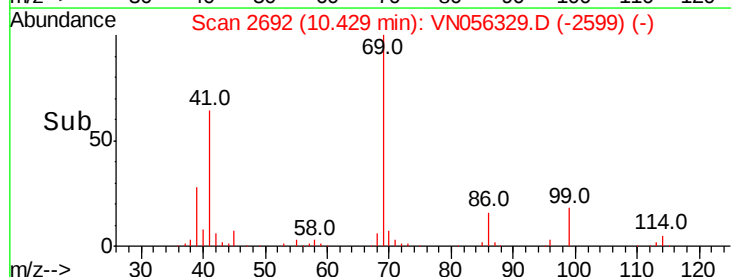
39 30.5 24.4 36.6

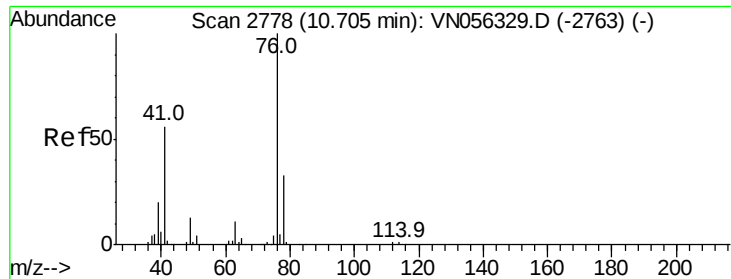


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

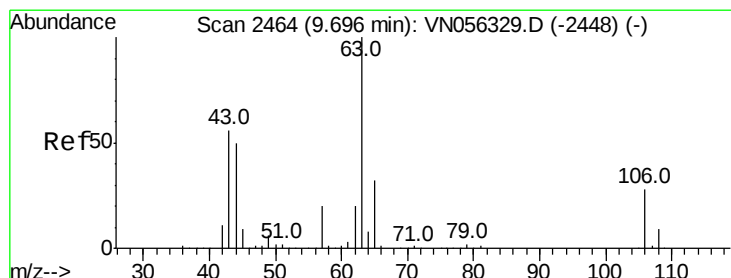
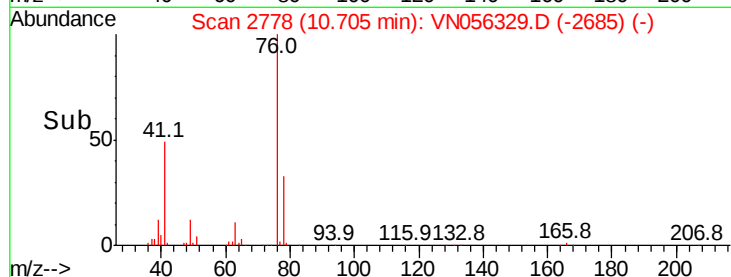
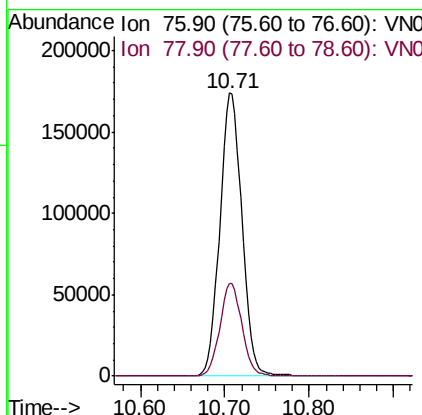
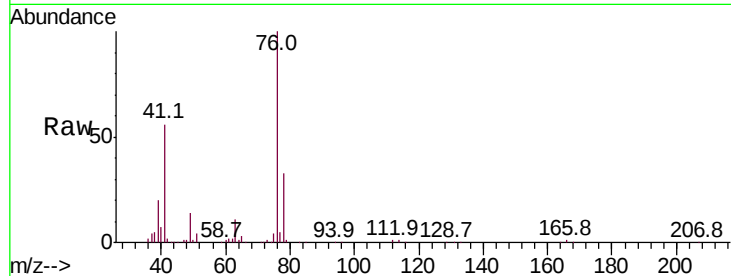




#57
 1,3-Dichloropropane
 Concen: 42.720 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

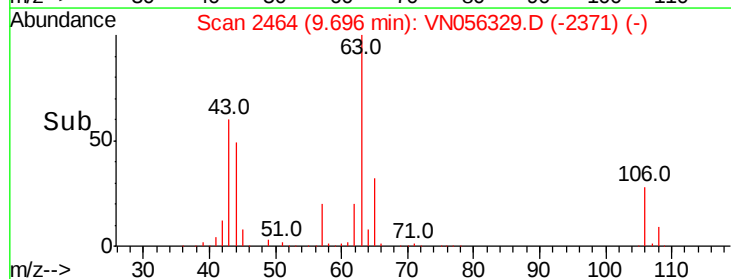
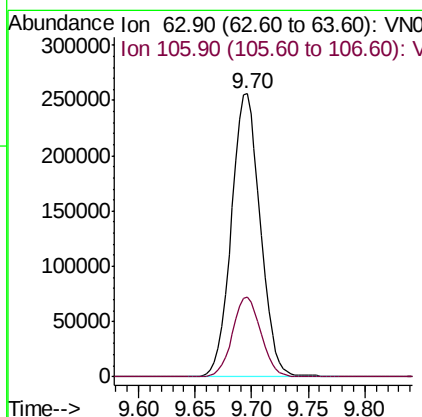
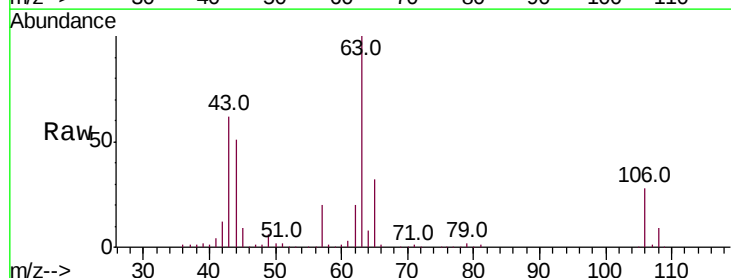
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

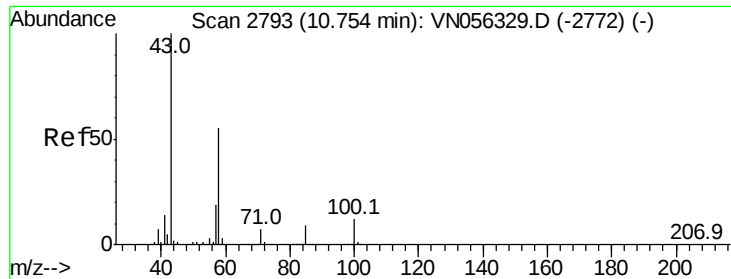
Tot Ion: 76 Resp: 316773
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 202.612 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 63 Resp: 456928
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.2 33.2

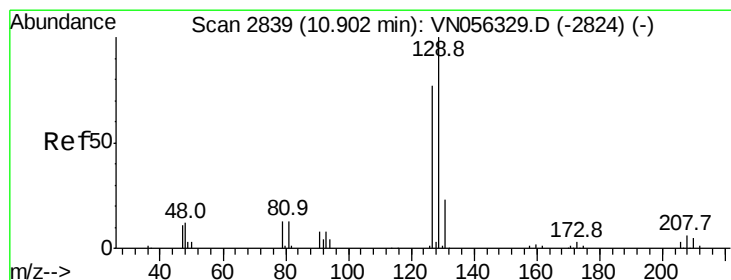
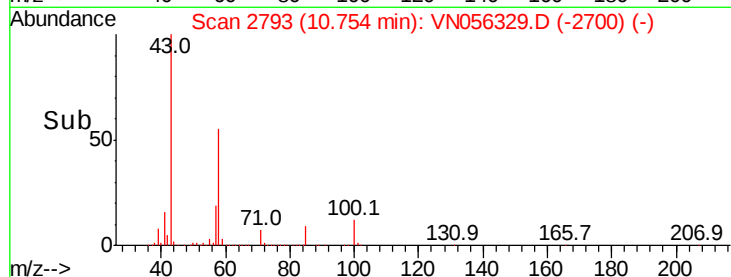
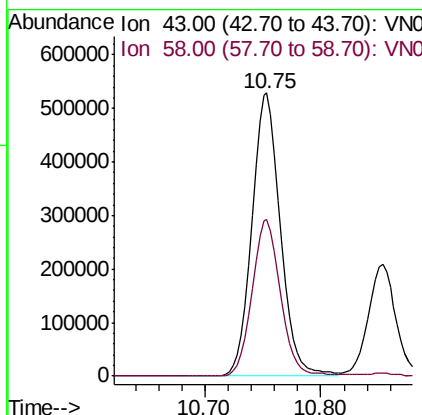
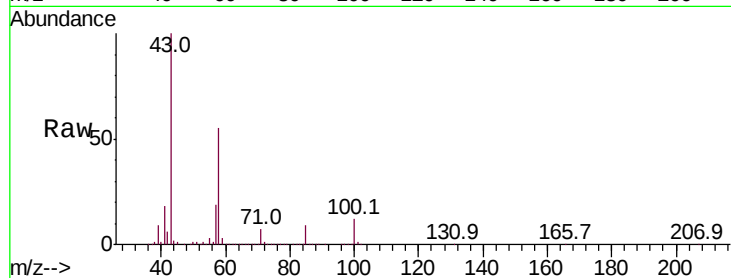




#59
2-Hexanone
Concen: 219.918 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

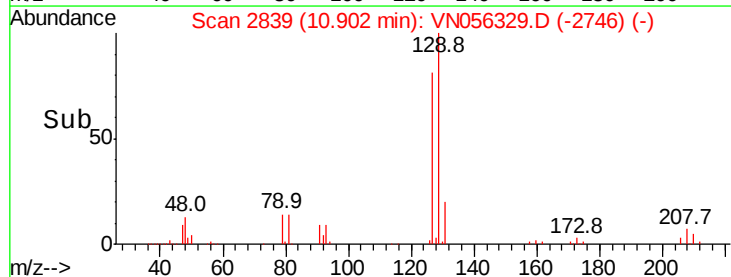
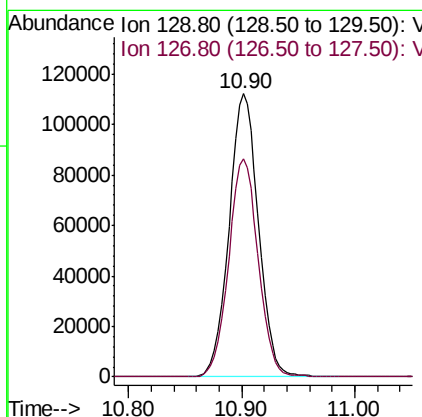
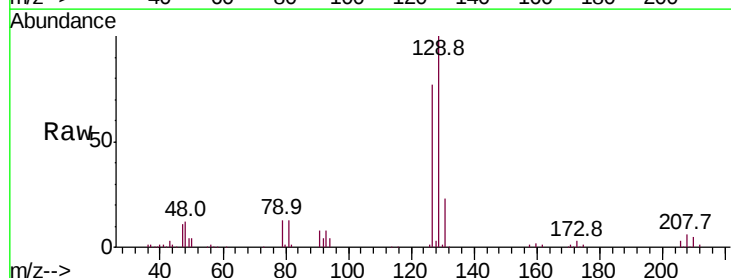
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

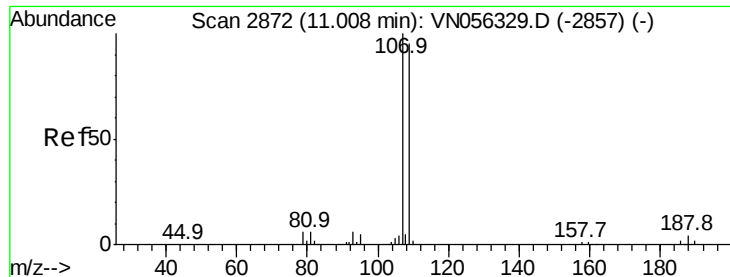
Tot Ion: 43 Resp: 907885
Ion Ratio Lower Upper
43 100
58 55.6 27.8 83.4



#60
Dibromochloromethane
Concen: 44.433 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 129 Resp: 202489
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

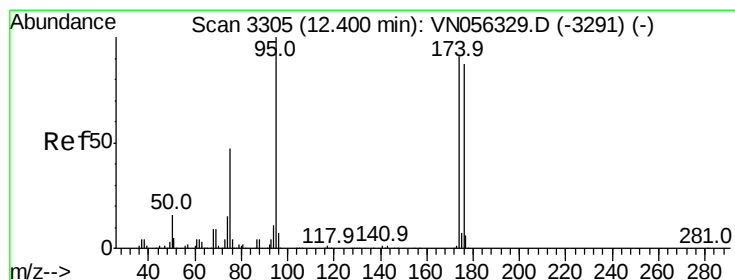
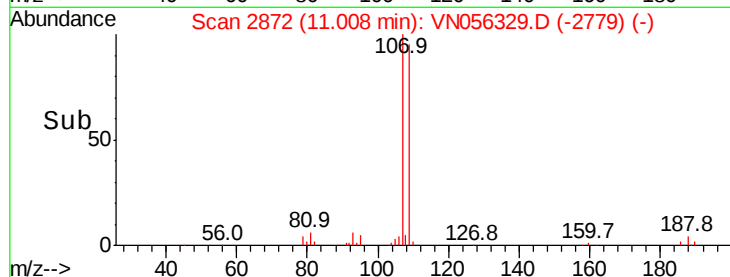
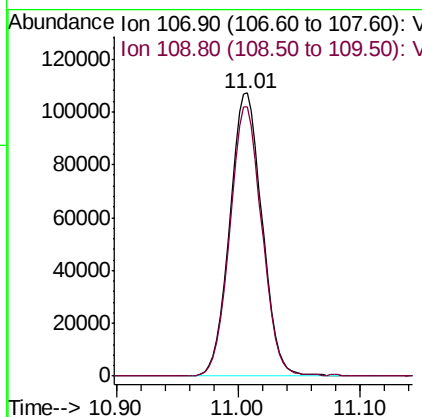
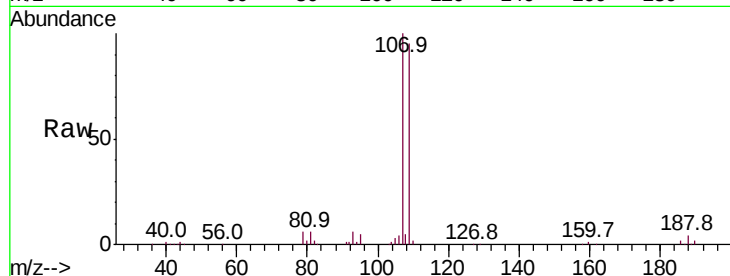




#61
 1,2-Dibromoethane
 Concen: 42.448 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

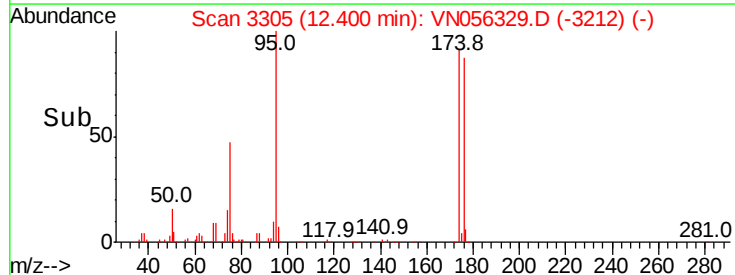
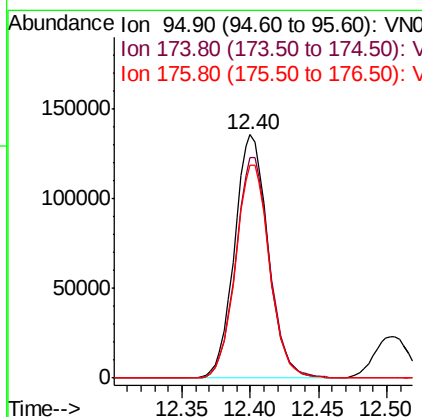
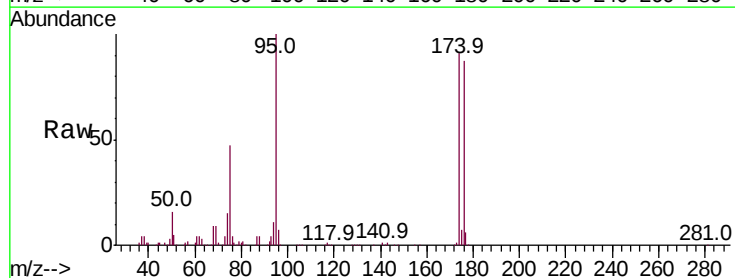
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

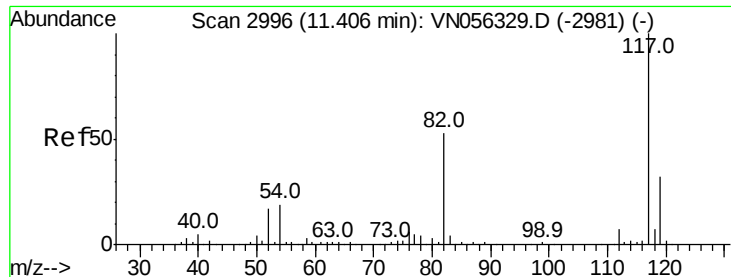
Tot Ion:107 Resp: 197316
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 39.932 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 95 Resp: 231762
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 182.6
 176 88.4 0.0 176.8

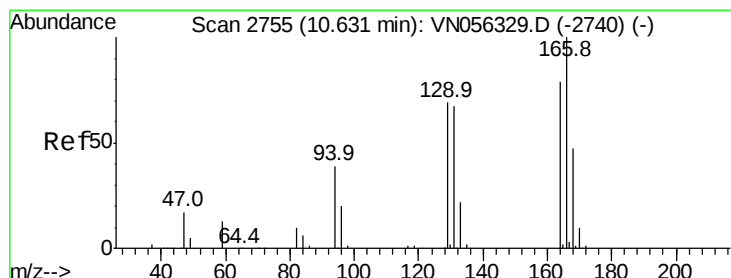
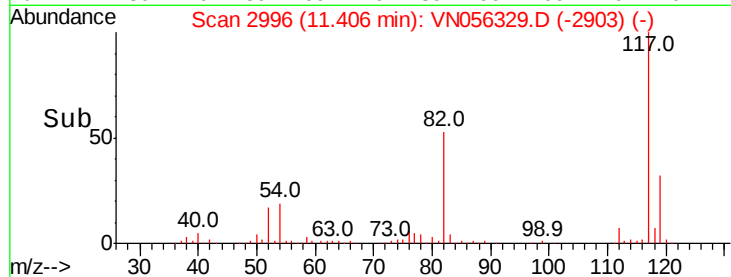
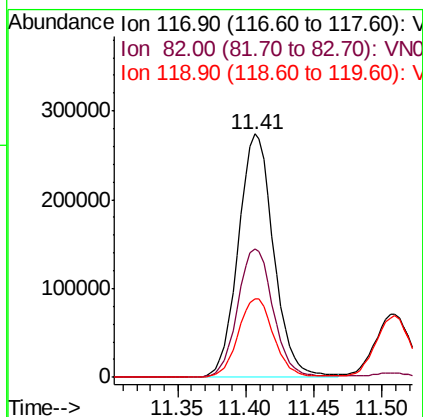
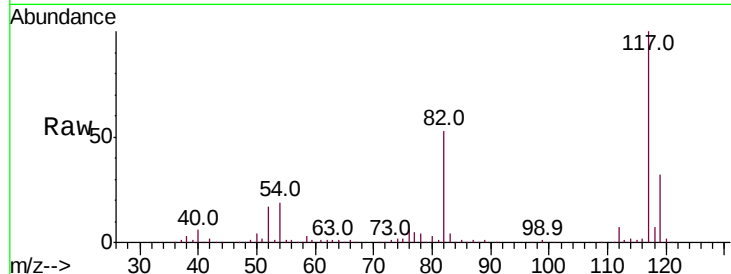




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

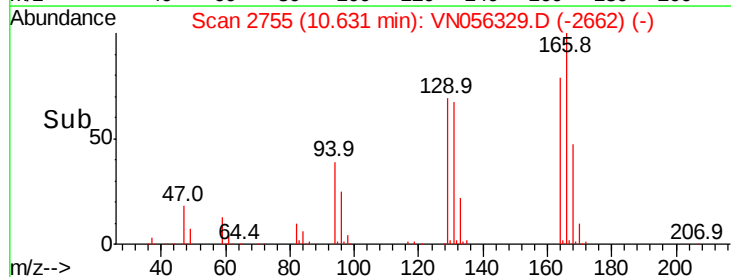
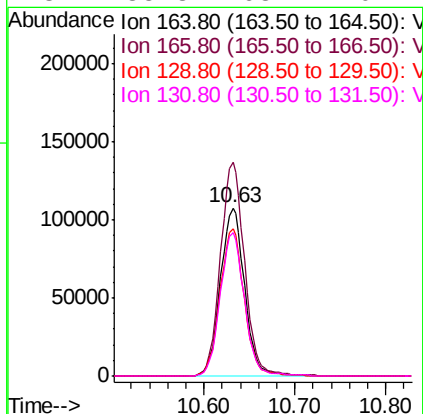
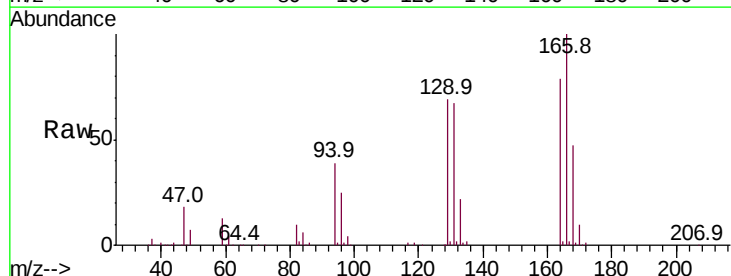
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

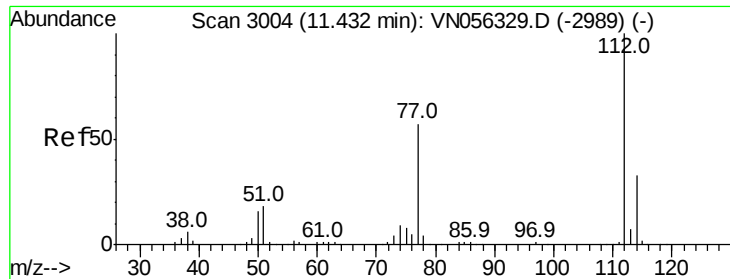
Tot Ion:117 Resp: 492803
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 38.410 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion:164 Resp: 199185
Ion Ratio Lower Upper
164 100
166 127.2 101.8 152.6
129 87.9 70.3 105.5
131 85.3 68.2 102.4

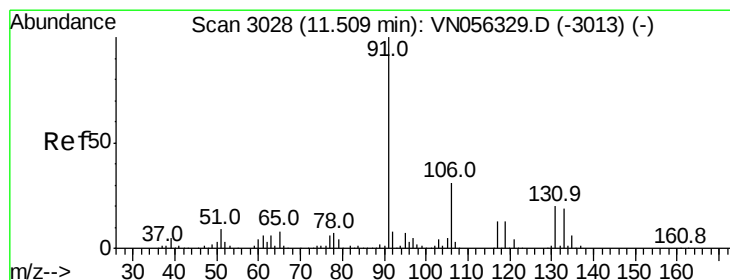
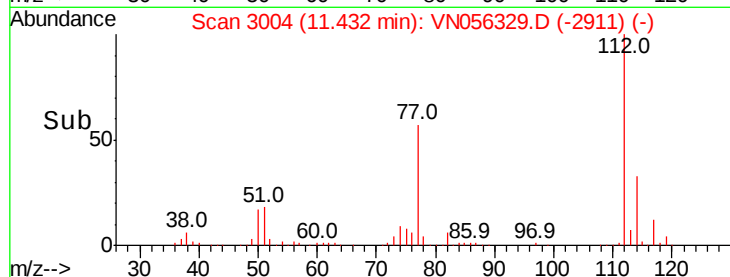
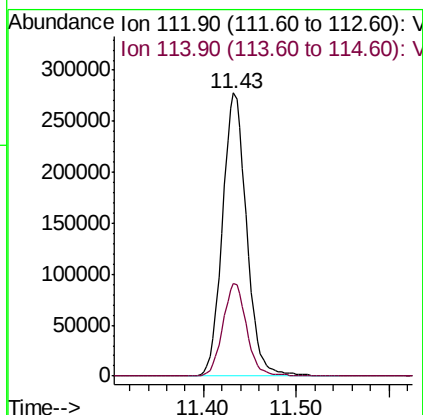
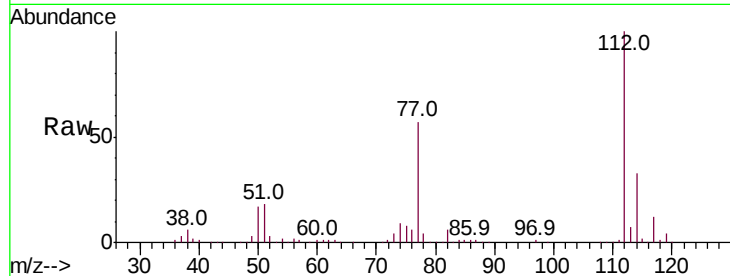




#65
Chlorobenzene
Concen: 40.452 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

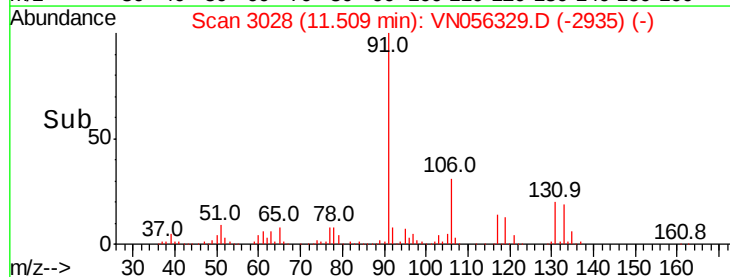
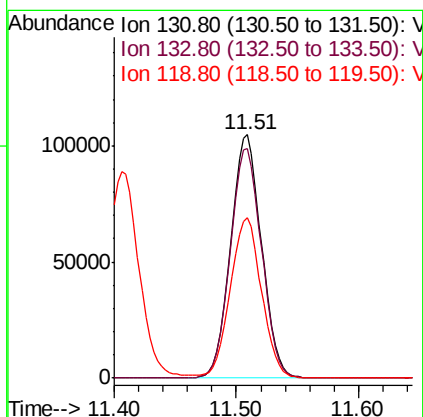
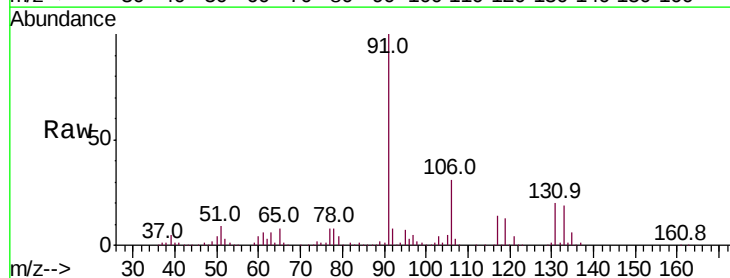
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

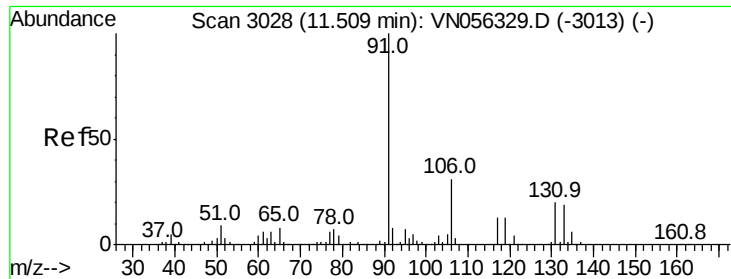
Tot Ion:112 Resp: 501669
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 42.168 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion:131 Resp: 184280
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.7
119 67.0 33.5 100.5

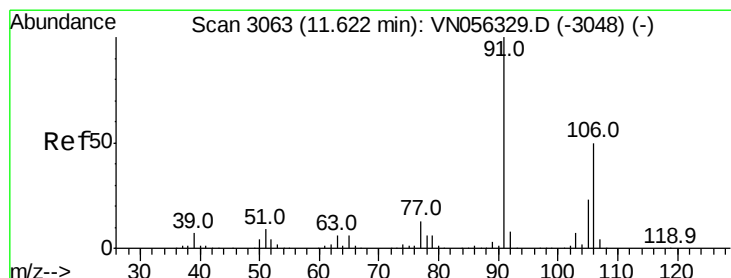
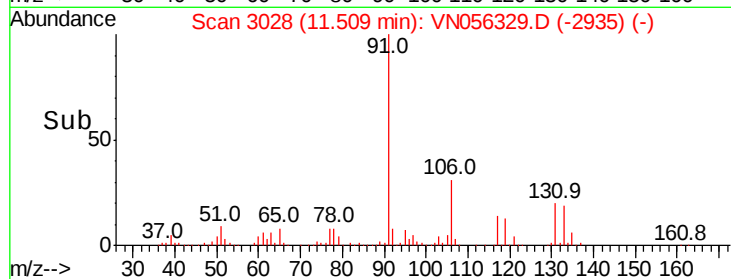
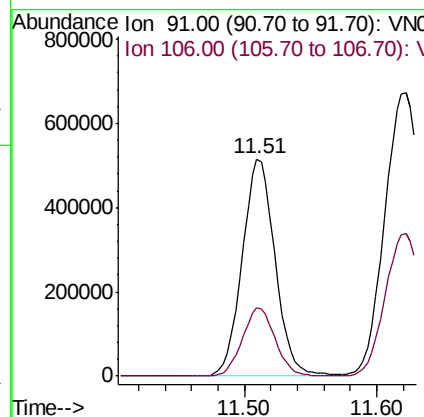
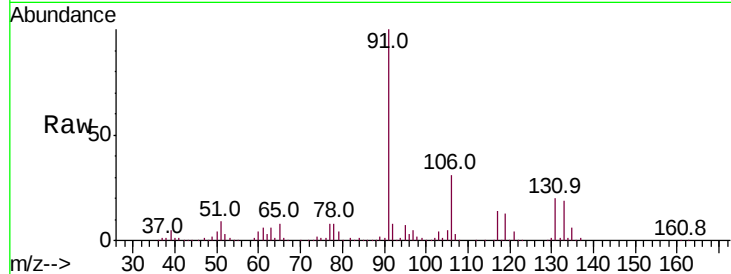




#67
Ethyl Benzene
Concen: 40.967 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

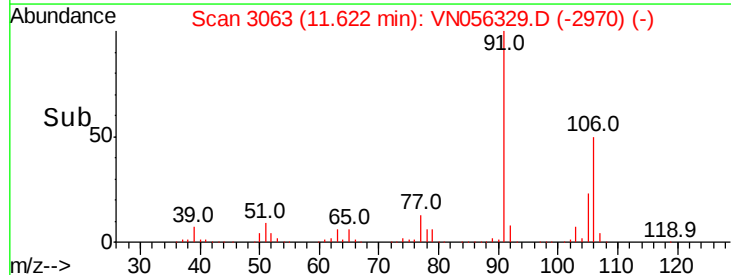
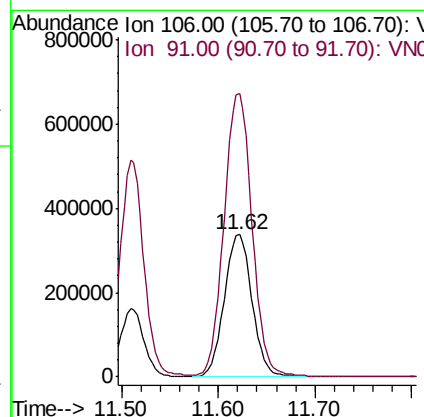
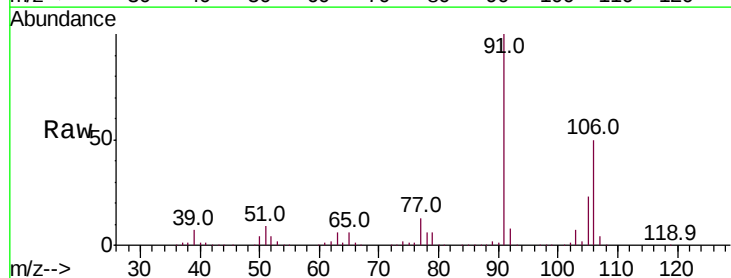
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

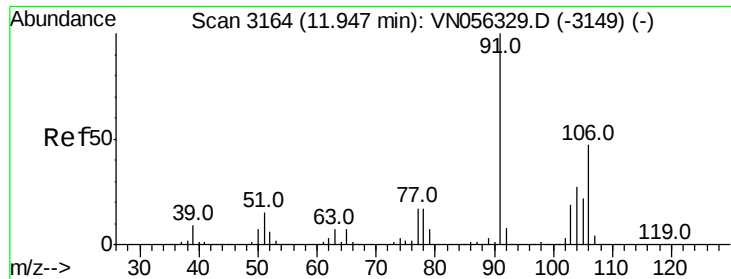
Tot Ion: 91 Resp: 887047
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 81.872 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 106 Resp: 675296
Ion Ratio Lower Upper
106 100
91 200.9 160.7 241.1

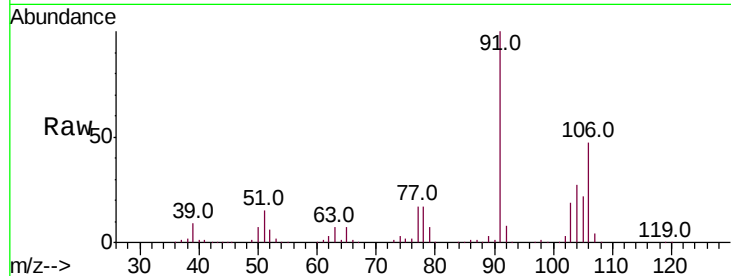




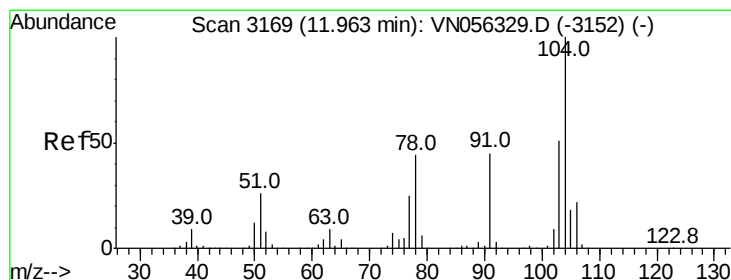
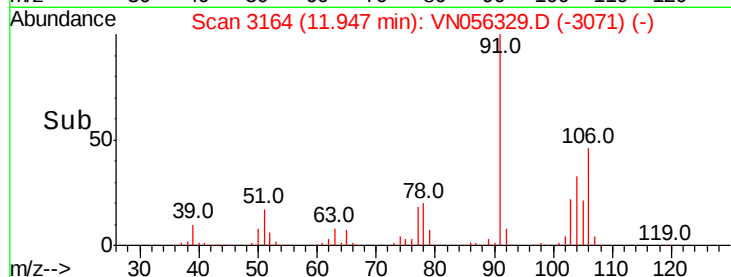
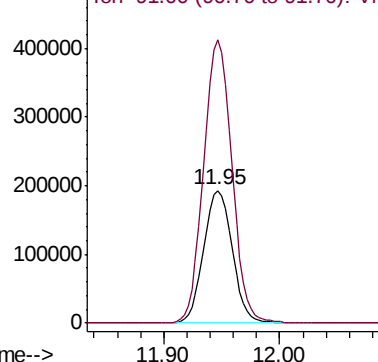
#69
o-Xylene
Concen: 40.736 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 329432
Ion Ratio Lower Upper
106 100
91 211.1 105.6 316.7

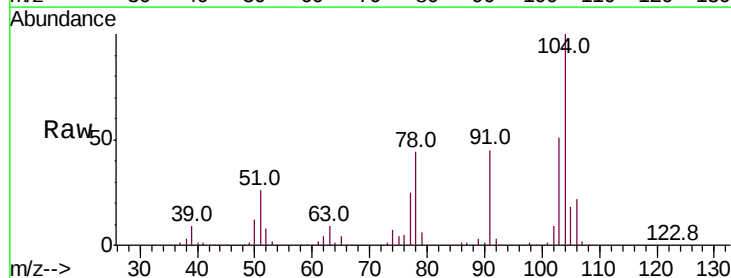


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

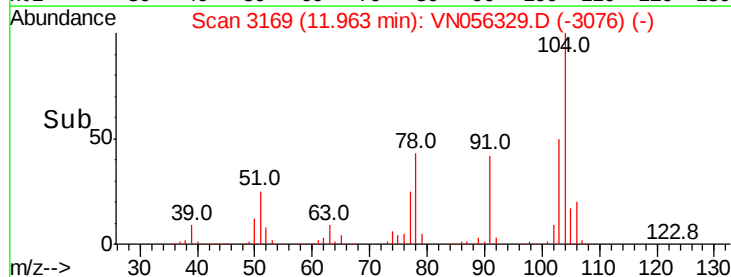
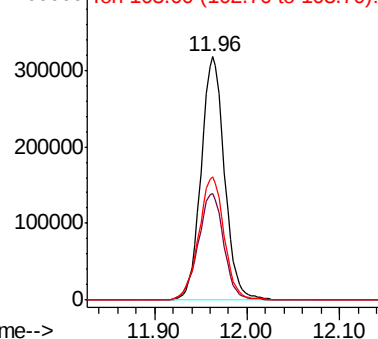


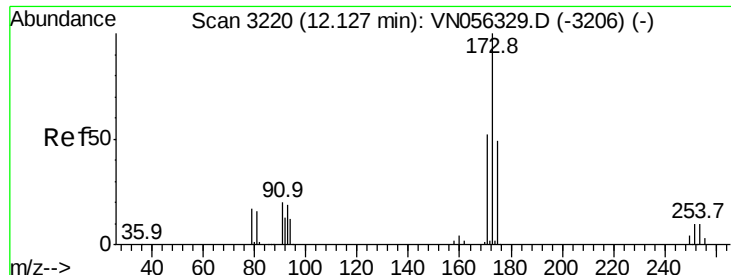
#70
Styrene
Concen: 42.233 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion:104 Resp: 555111
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 55.0 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: 44.792 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

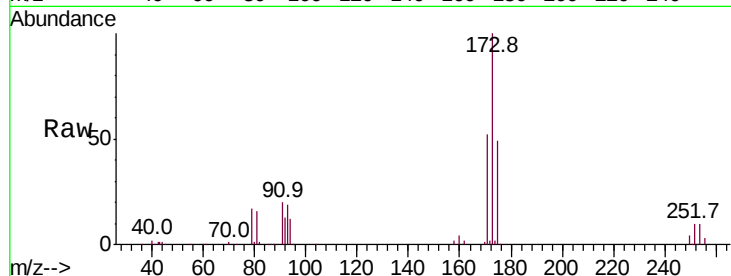
Tot Ion:173 Resp: 151503

Ion Ratio Lower Upper

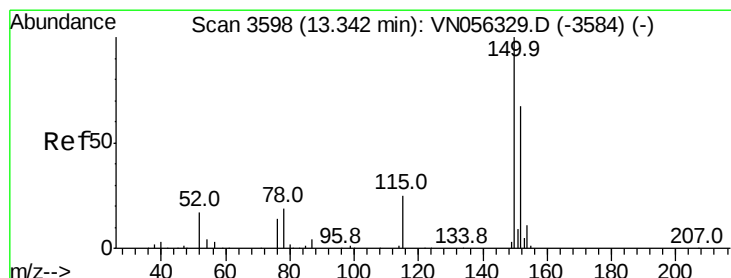
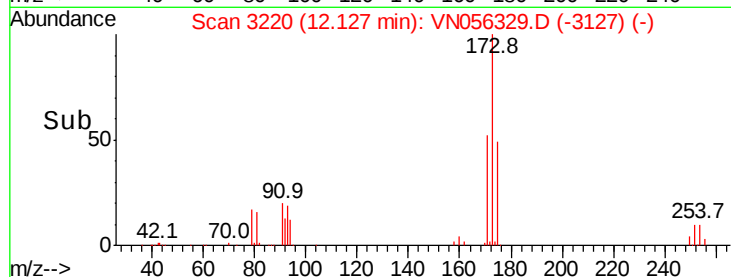
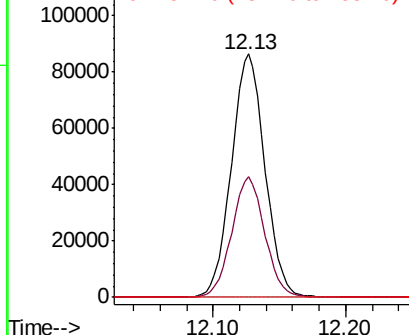
173 100

175 48.7 24.3 73.0

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

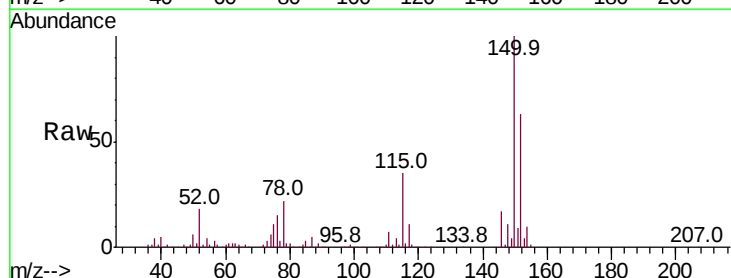
Tgt Ion:152 Resp: 215491

Ion Ratio Lower Upper

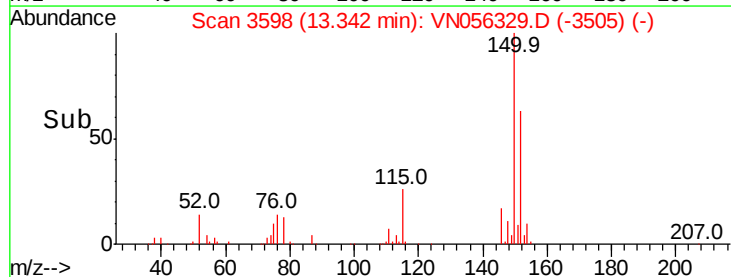
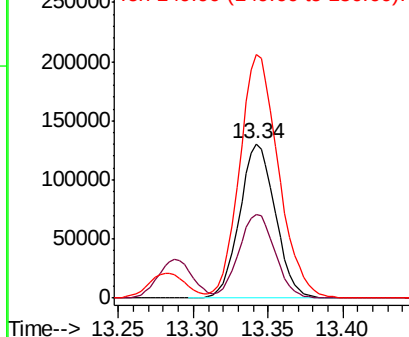
152 100

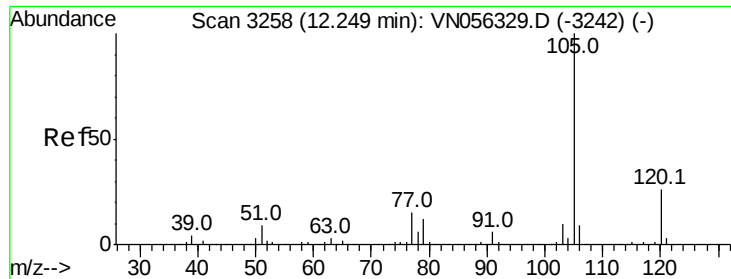
115 55.5 27.8 83.3

150 172.9 0.0 345.8



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





#73

Isopropylbenzene

Concen: 39.557 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

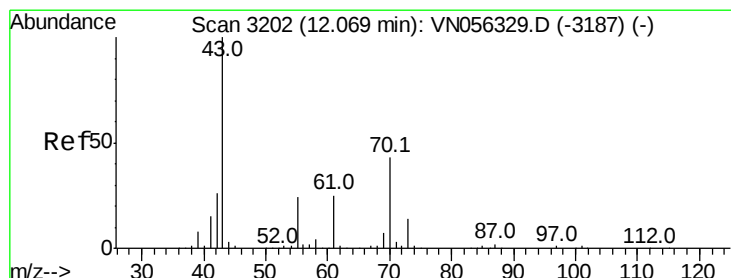
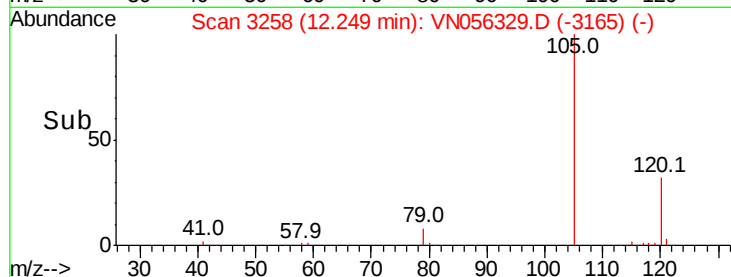
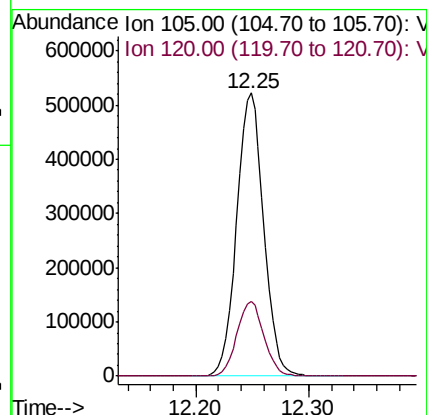
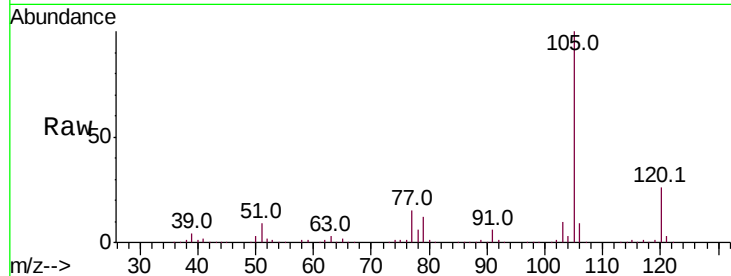
VSTDICCC050

Tot Ion:105 Resp: 865218

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 42.245 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Tgt Ion: 43 Resp: 319621

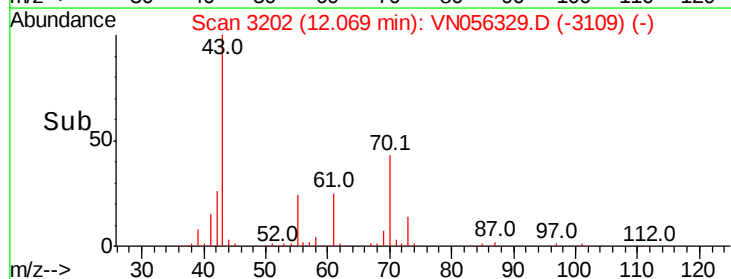
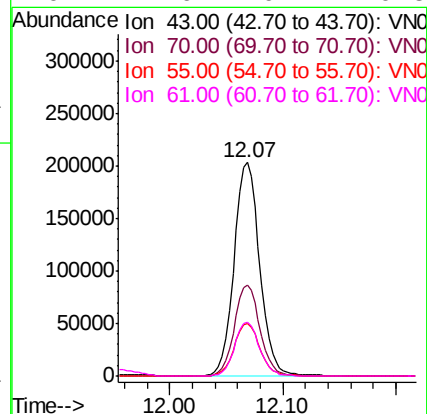
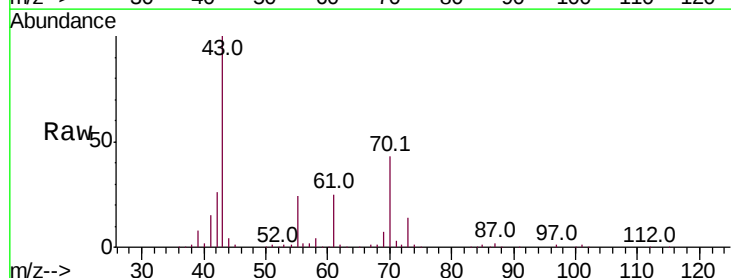
Ion Ratio Lower Upper

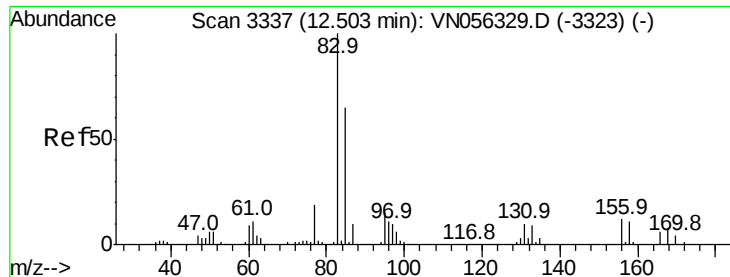
43 100

70 42.7 34.2 51.2

55 24.9 19.9 29.9

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 41.208 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

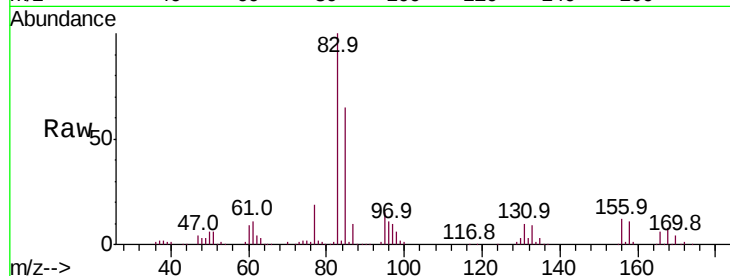
Tot Ion: 83 Resp: 267263

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.8
85	64.4	32.2	96.6

83 100

131 10.5 5.3 15.8

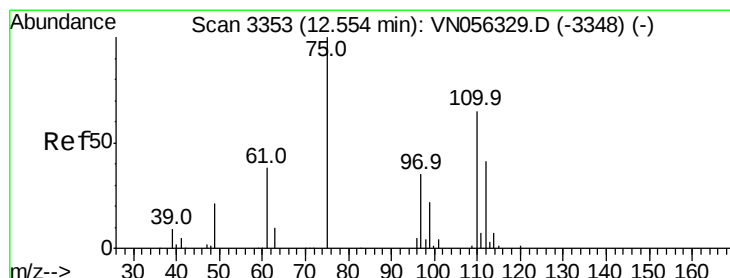
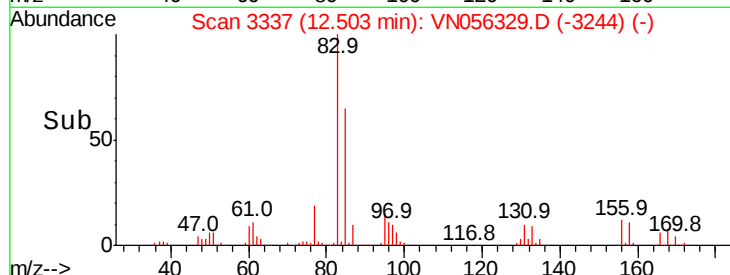
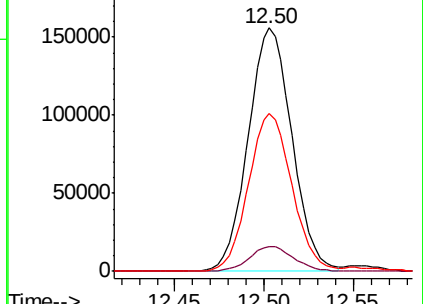
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN056329.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN056329.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN056329.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 42.264 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056329.D

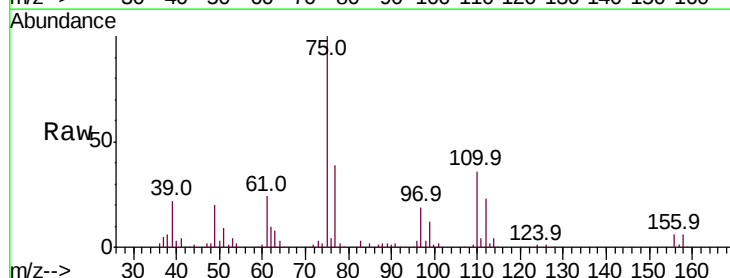
Acq: 17 Jun 2019 10:01

Tgt Ion: 75 Resp: 219746

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

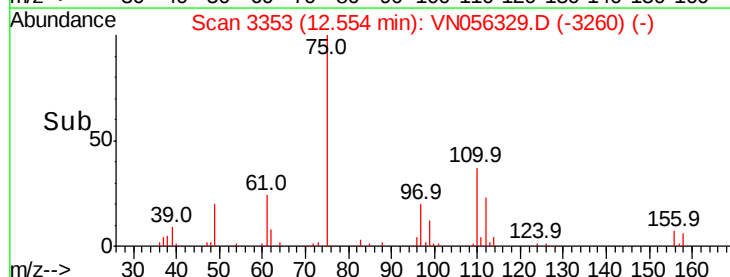
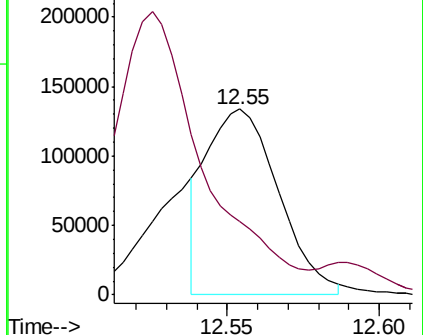
75 100

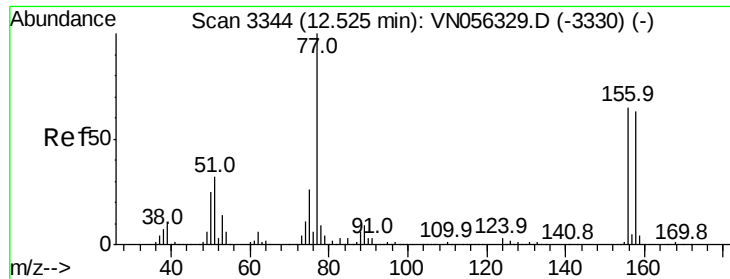
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056329.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN056329.D (-3353) (-)





#77

Bromobenzene

Concen: 39.457 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

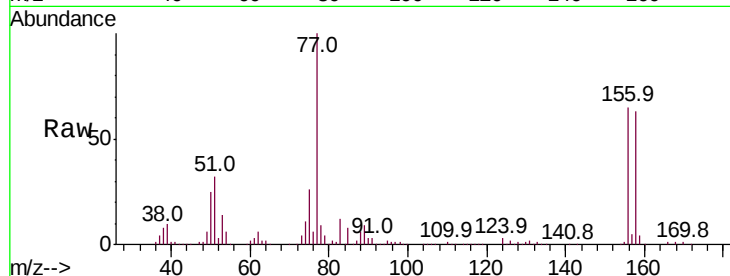
Tot Ion:156 Resp: 227732

Ion Ratio Lower Upper

156 100

77 185.8 92.9 278.7

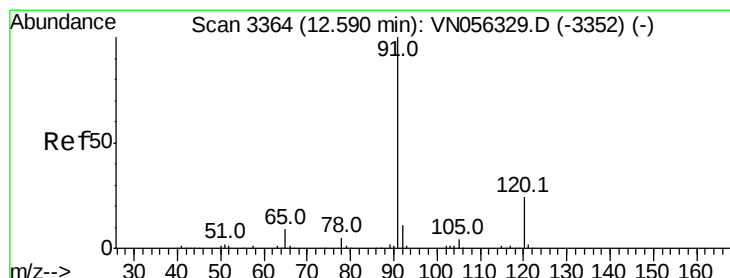
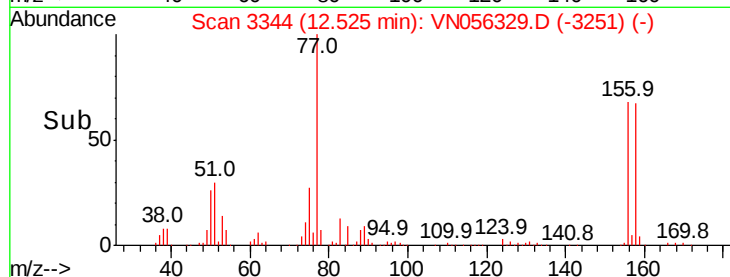
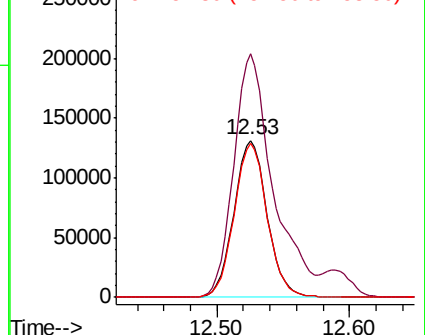
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 40.778 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056329.D

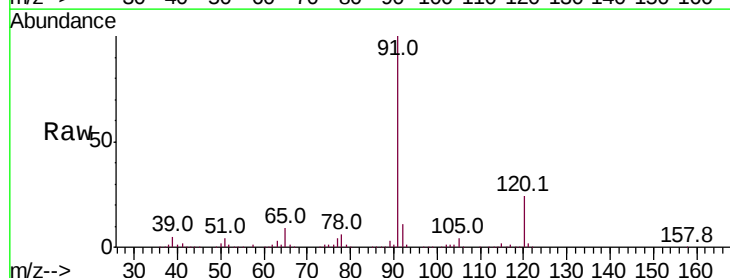
Acq: 17 Jun 2019 10:01

Tgt Ion: 91 Resp: 952772

Ion Ratio Lower Upper

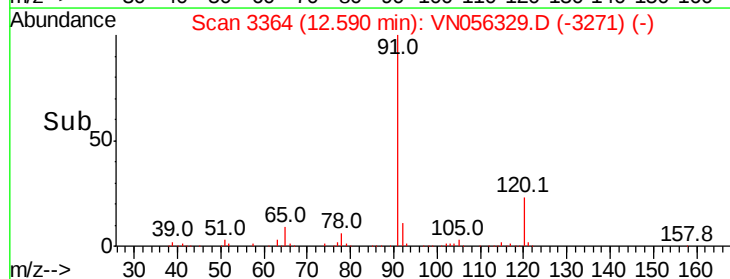
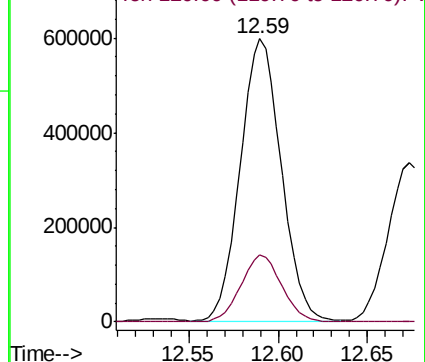
91 100

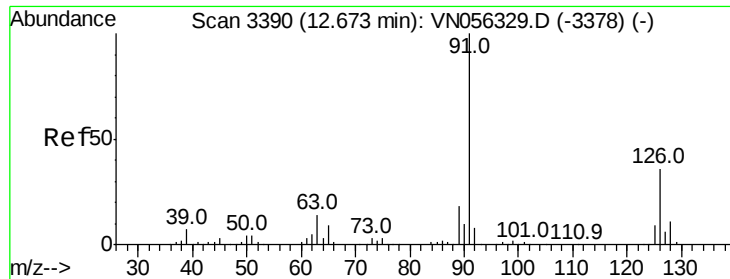
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

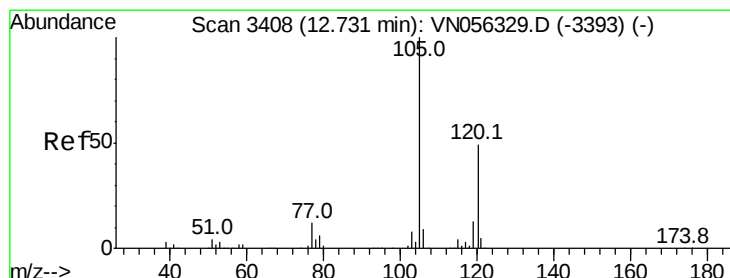
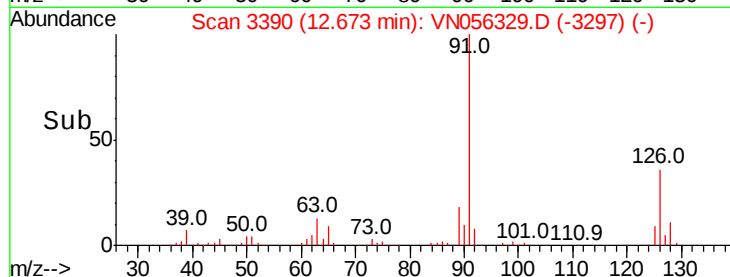
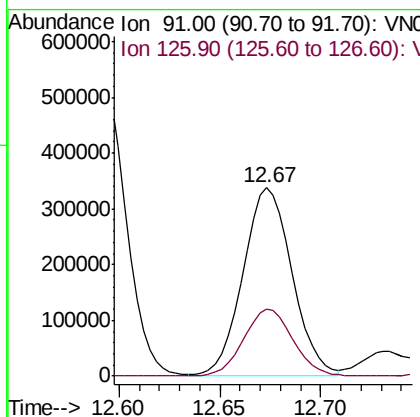
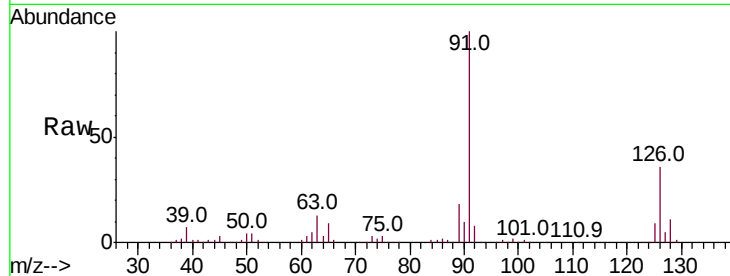




#79
 2-Chlorotoluene
 Concen: 39.492 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

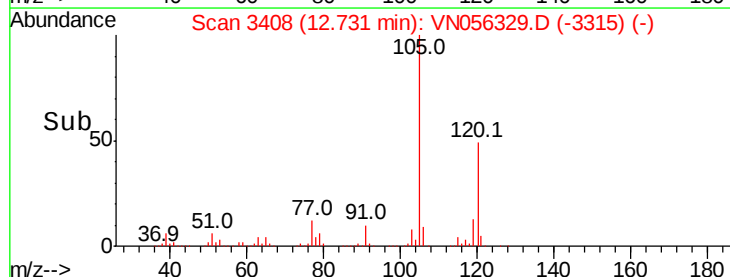
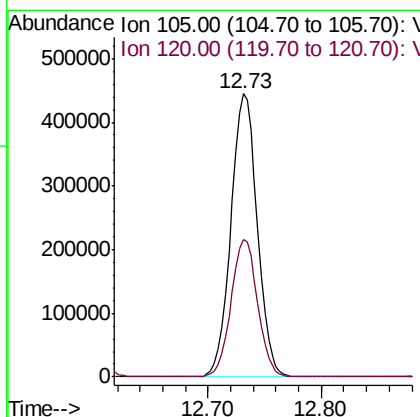
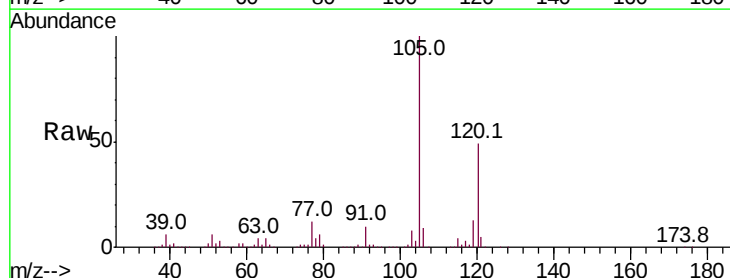
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

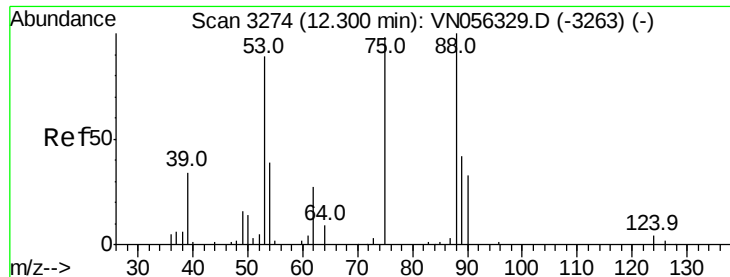
Tot Ion: 91 Resp: 570884
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 39.517 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion: 105 Resp: 719558
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 41.767 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

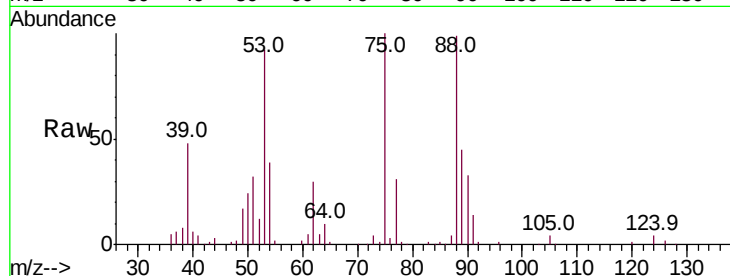
Tot Ion: 75 Resp: 73133

Ion Ratio Lower Upper

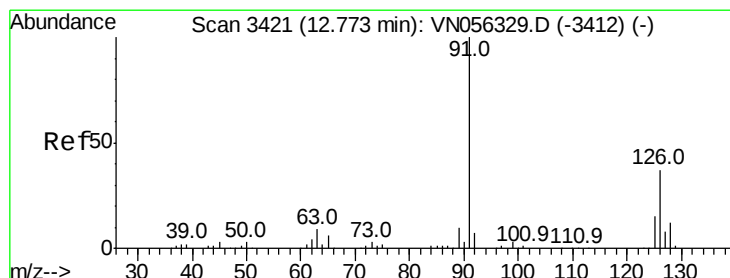
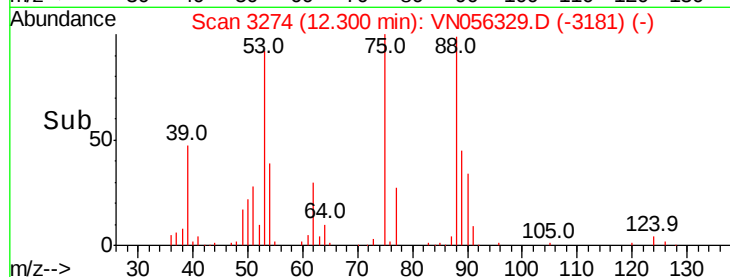
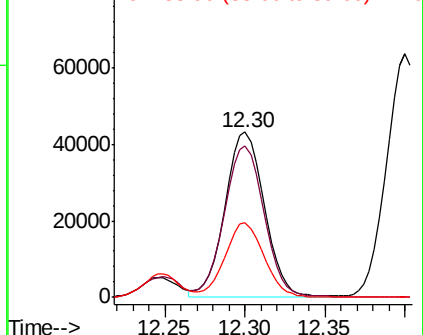
75 100

53 91.9 73.5 110.3

89 44.3 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 40.912 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056329.D

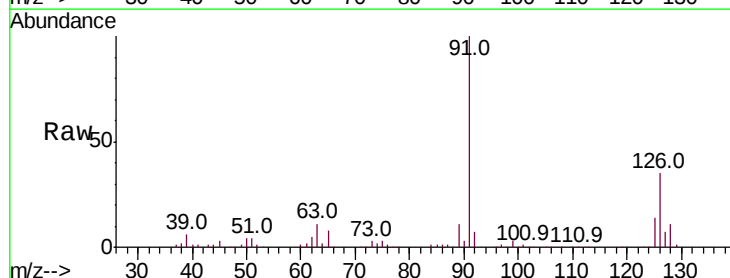
Acq: 17 Jun 2019 10:01

Tgt Ion: 91 Resp: 560601

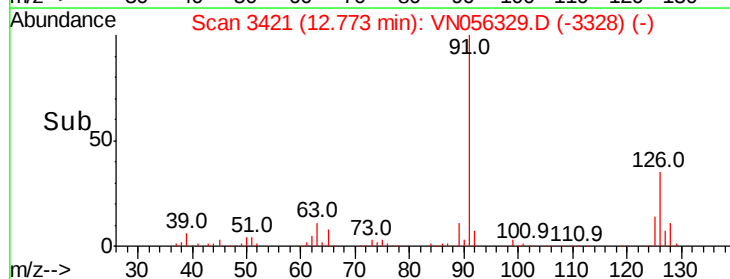
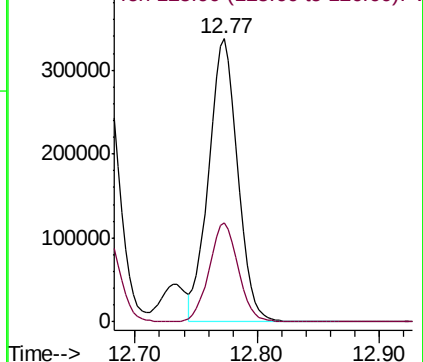
Ion Ratio Lower Upper

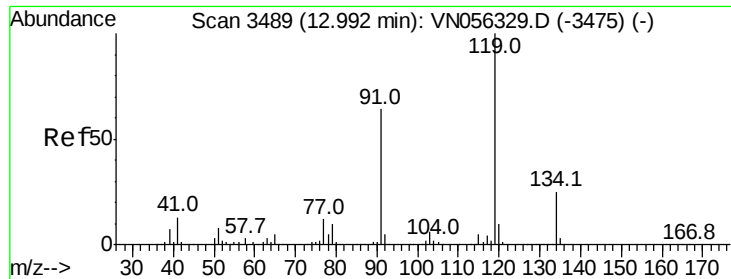
91 100

126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 38.632 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

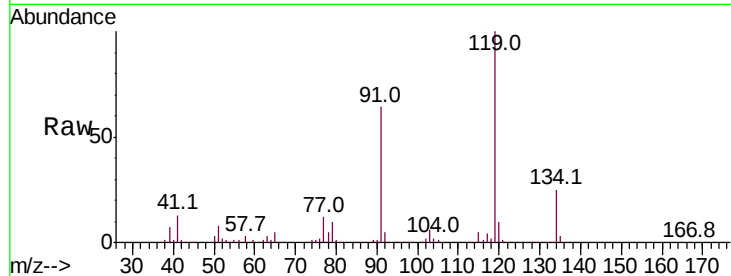
Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 616285

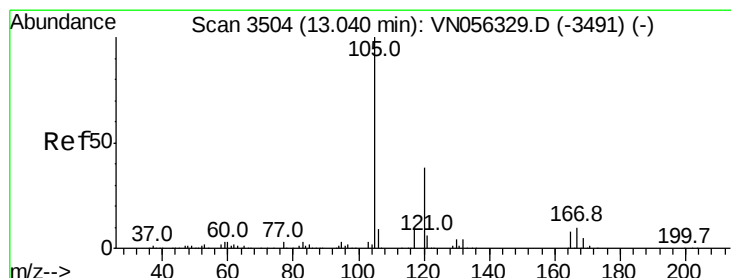
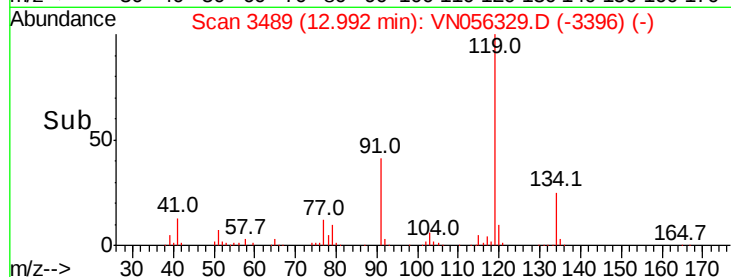
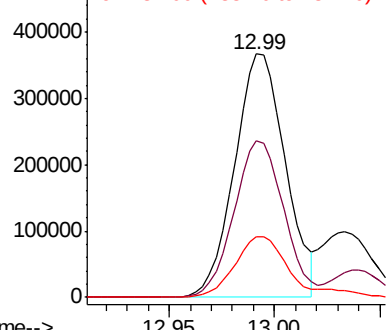
Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.5	94.5
134	27.1	13.6	40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 40.345 ug/l

RT: 13.04 min Scan# 3504

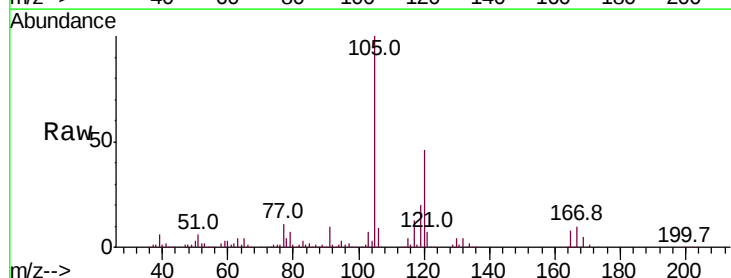
Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

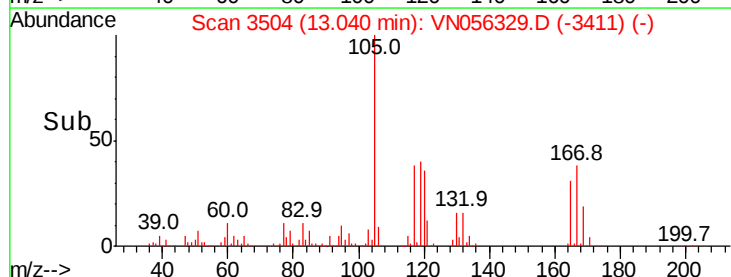
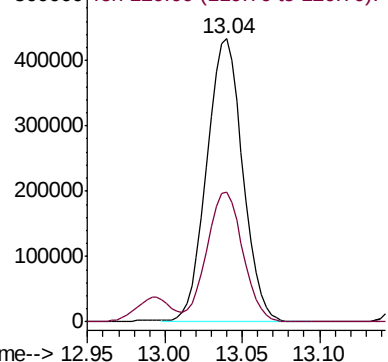
Tgt Ion:105 Resp: 698123

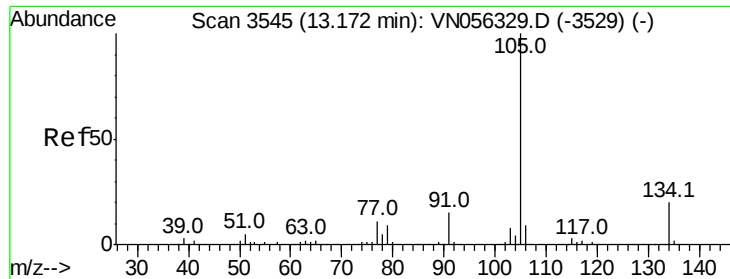
Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 40.169 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

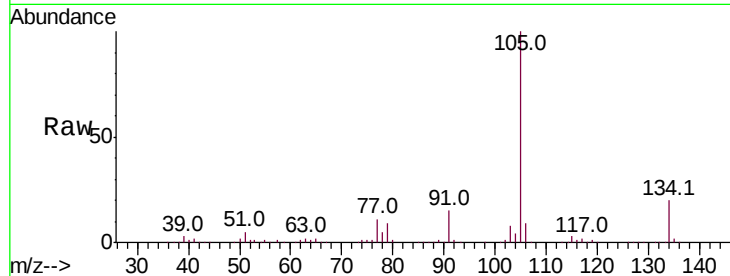
VSTDICCC050

Tot Ion:105 Resp: 819091

Ion Ratio Lower Upper

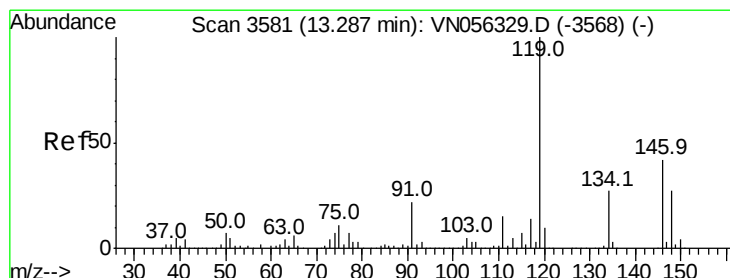
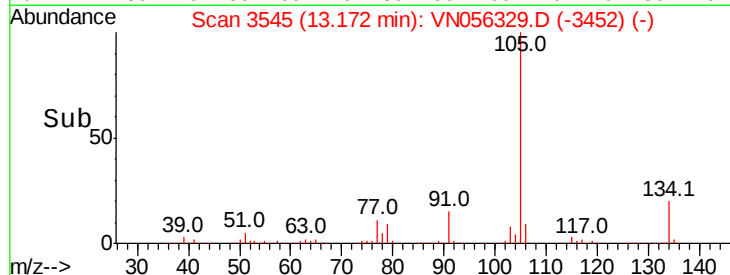
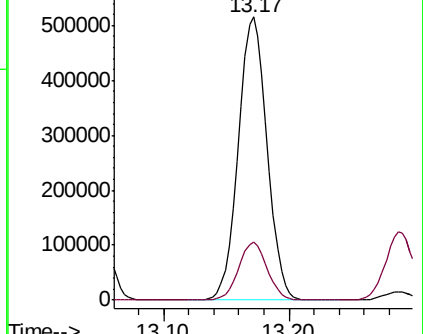
105 100

134 20.3 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: 40.175 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

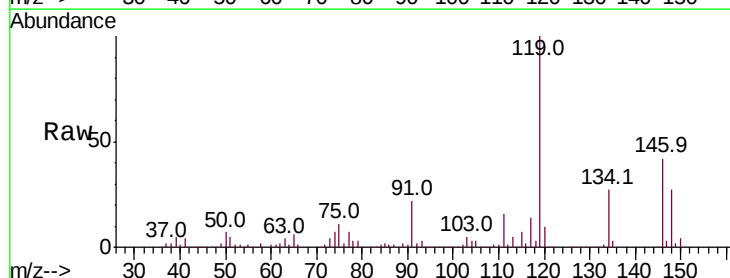
Tgt Ion:119 Resp: 728568

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

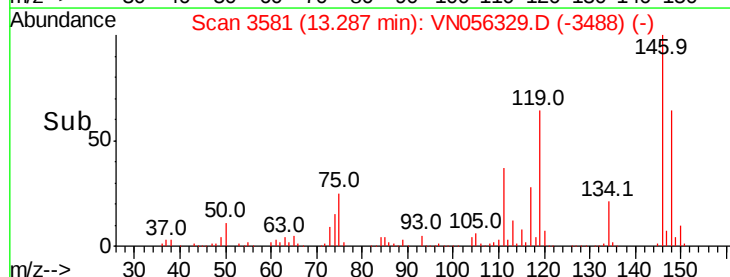
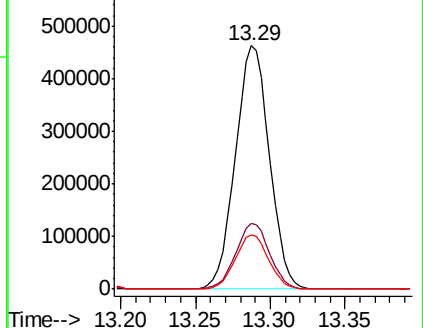
91 22.0 11.0 33.0

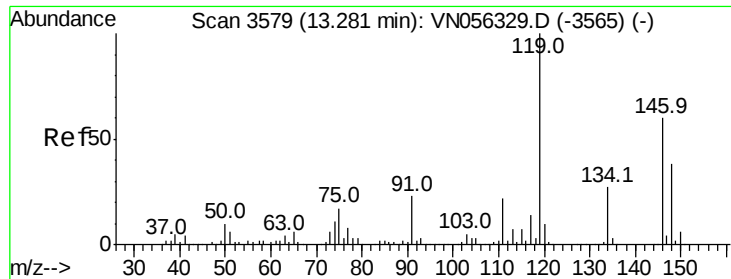


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

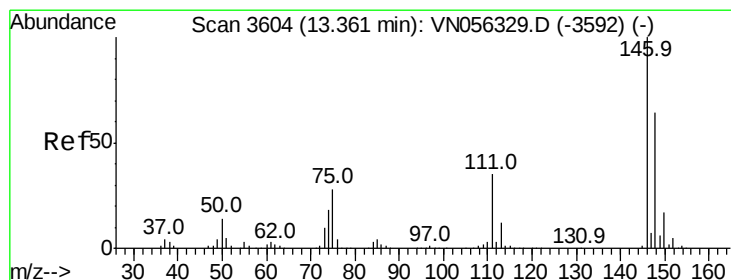
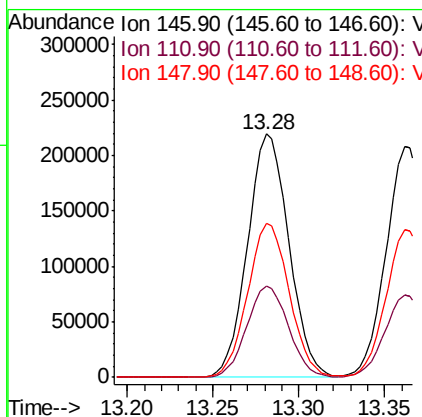
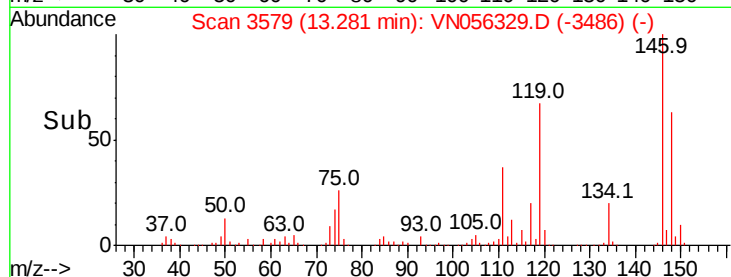
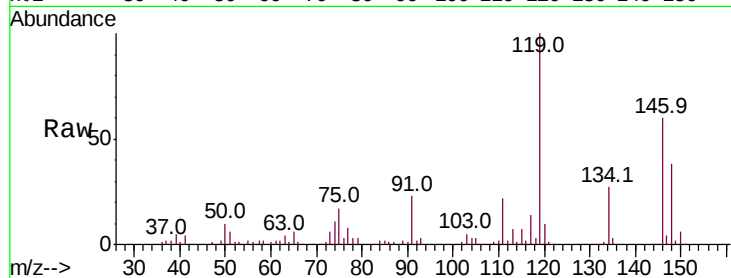




#87
 1,3-Dichlorobenzene
 Concen: 40.533 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

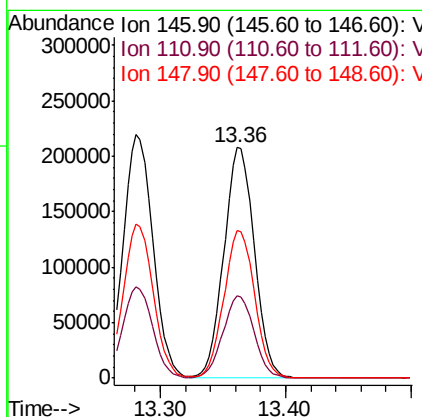
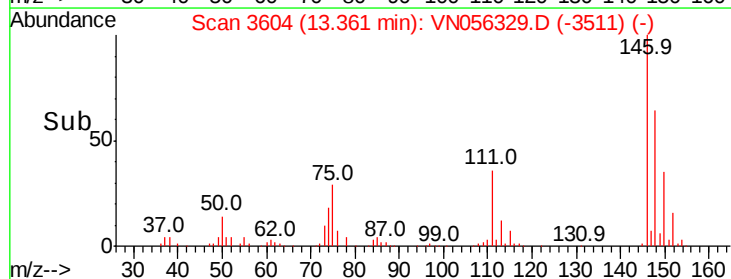
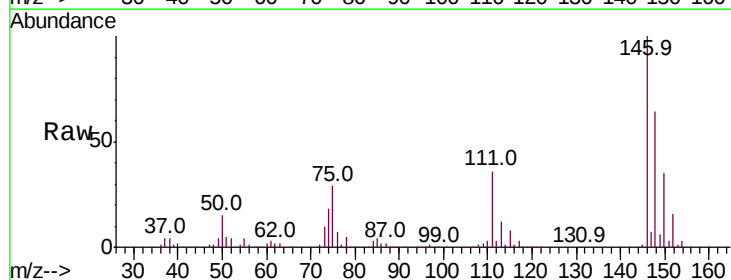
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

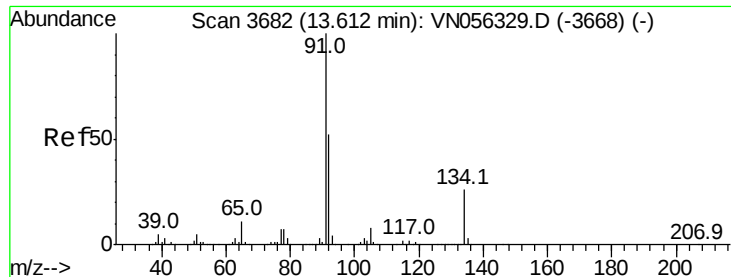
Tot Ion:146 Resp: 365303
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.7
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 40.347 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion:146 Resp: 350499
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.1
 148 64.3 32.1 96.5

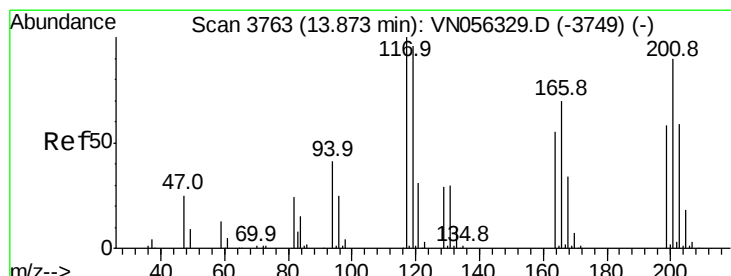
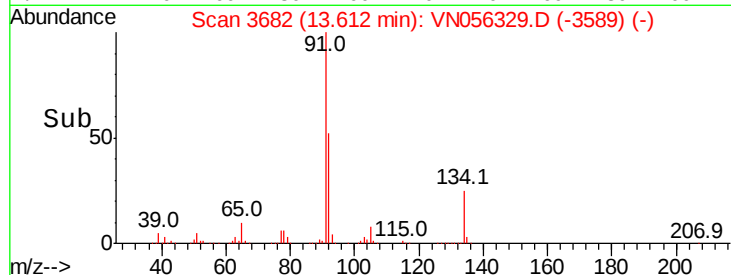
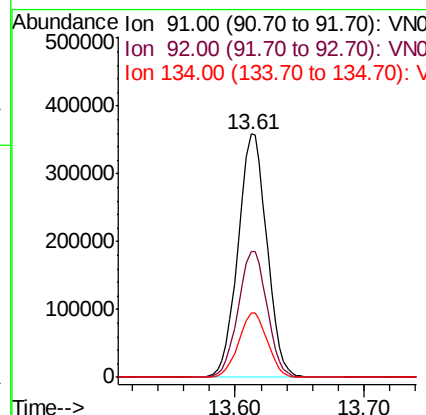
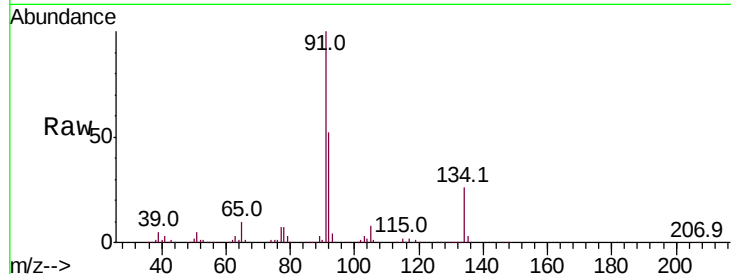




#89
n-Butylbenzene
Concen: 40.818 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

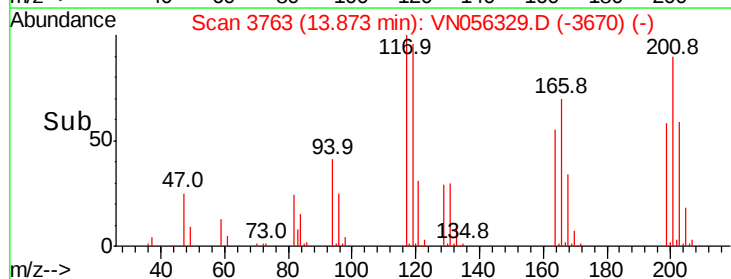
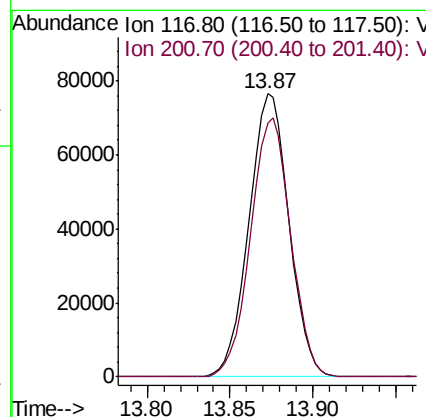
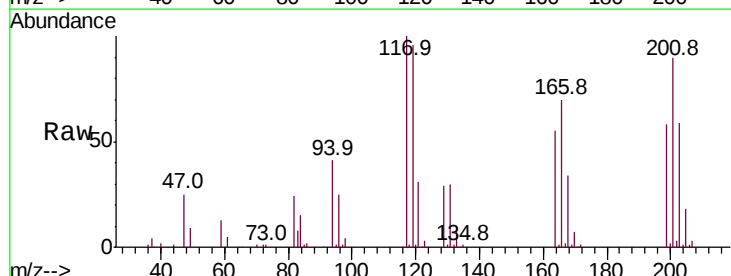
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

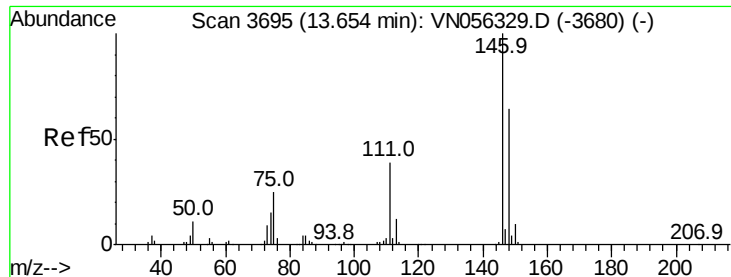
Tot Ion: 91 Resp: 557534
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 26.3 13.2 39.5



#90
Hexachloroethane
Concen: 43.374 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056329.D
Acq: 17 Jun 2019 10:01

Tgt Ion: 117 Resp: 128452
Ion Ratio Lower Upper
117 100
201 91.5 45.8 137.3





#91

1,2-Dichlorobenzene

Concen: 40.046 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

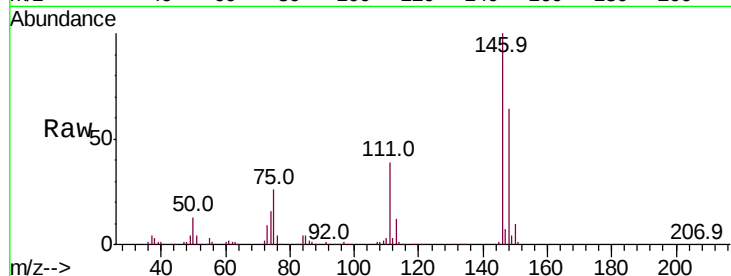
Tot Ion:146 Resp: 360600

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

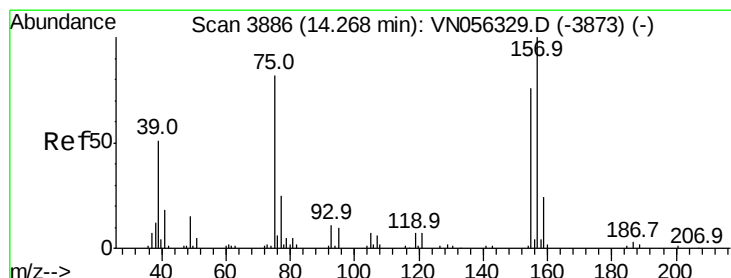
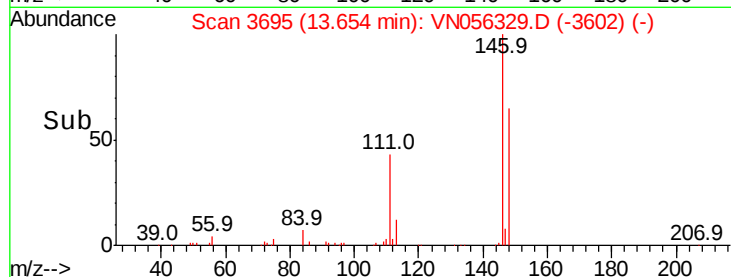
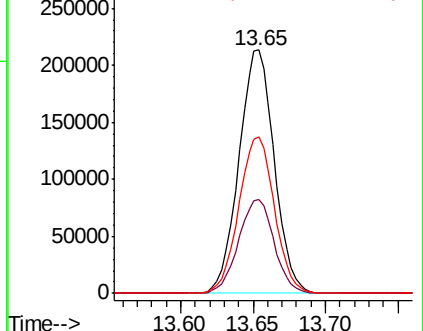
148 64.8 32.4 97.2



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: 45.467 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

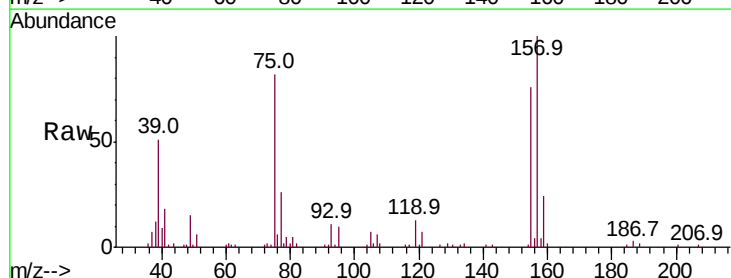
Tgt Ion: 75 Resp: 44670

Ion Ratio Lower Upper

75 100

155 95.6 47.8 143.4

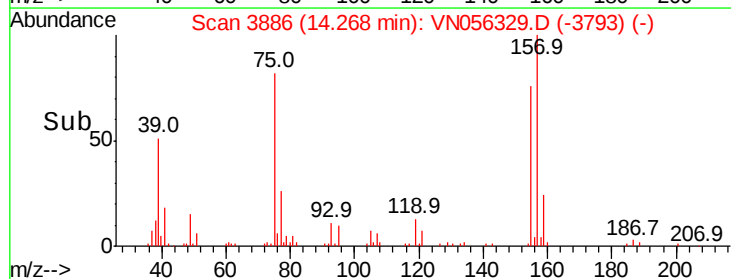
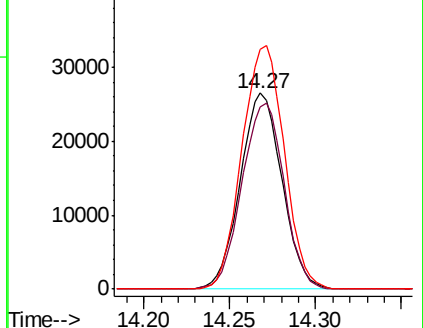
157 125.7 62.8 188.5

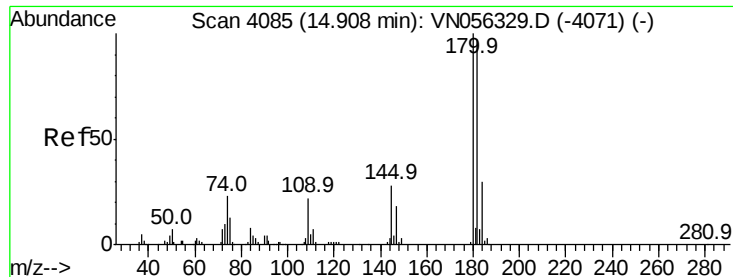


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

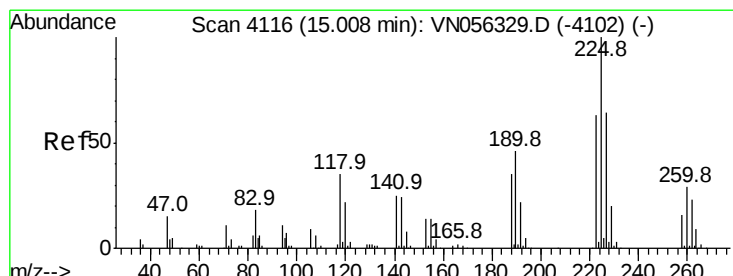
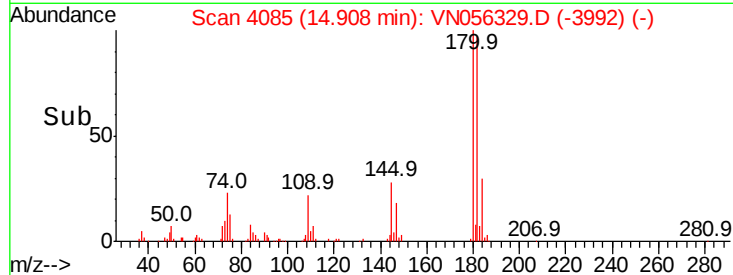
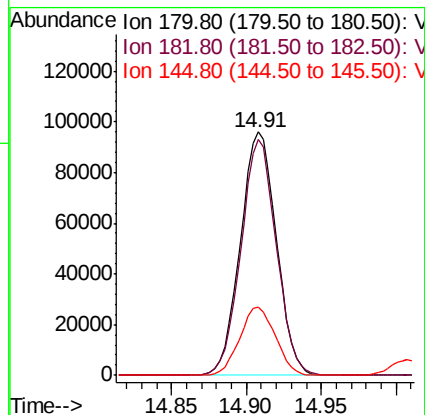
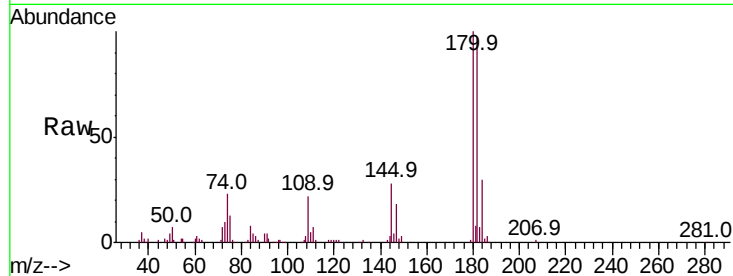




#93
 1,2,4-Trichlorobenzene
 Concen: 39.474 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

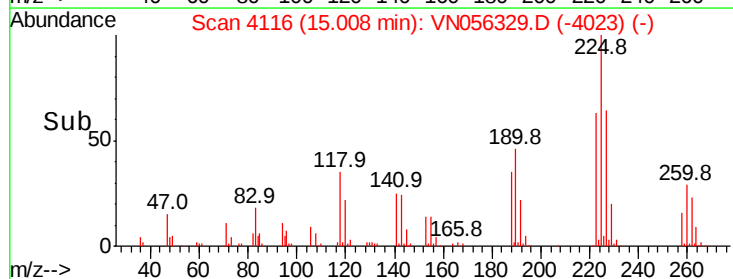
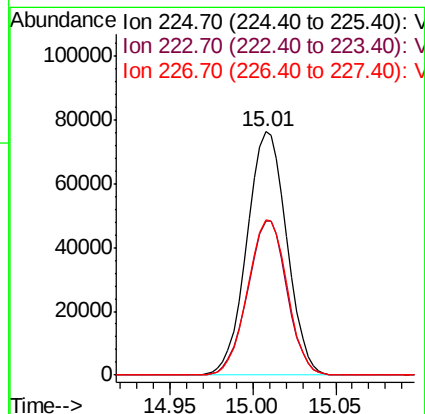
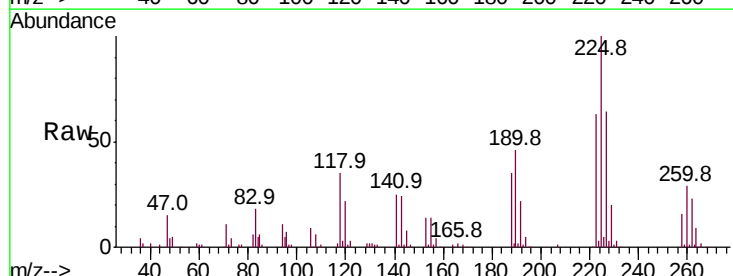
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

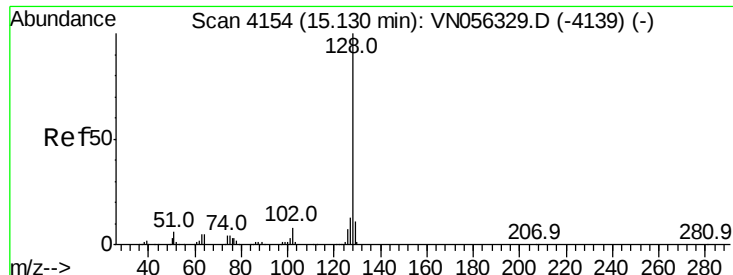
Tot Ion:180 Resp: 160977
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.4 142.3
 145 27.9 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 37.492 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056329.D
 Acq: 17 Jun 2019 10:01

Tgt Ion:225 Resp: 127917
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 63.4 31.7 95.1





#95

Naphthalene

Concen: 40.715 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Instrument :

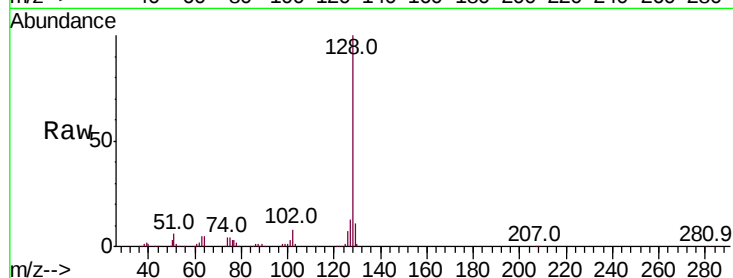
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 437687

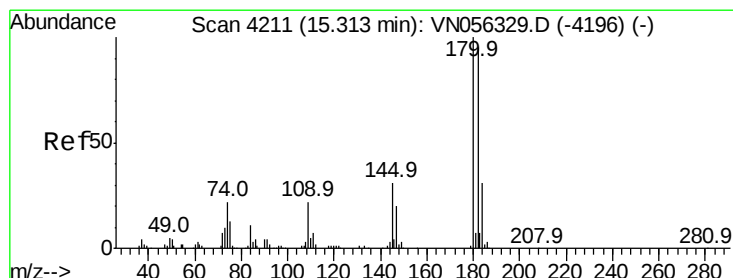
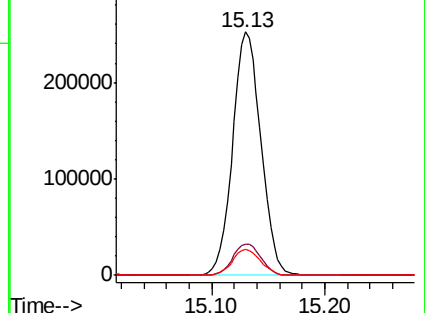
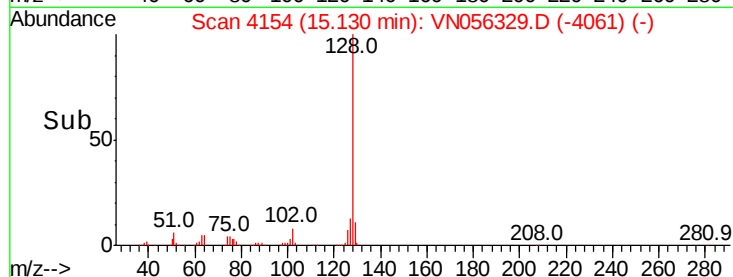
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8



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: 40.768 ug/l

RT: 15.31 min Scan# 4211

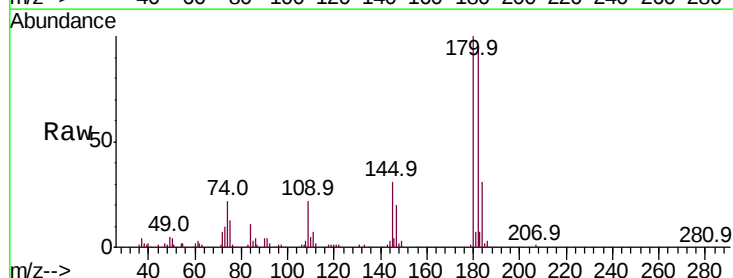
Delta R.T. 0.00 min

Lab File: VN056329.D

Acq: 17 Jun 2019 10:01

Tgt Ion:180 Resp: 179440

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	29.9	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

