

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058153.D
 Acq On : 18 Sep 2019 9:43
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 19 01:43:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	515274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	870870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	357482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	36709	3.75	ug/l	0.00
Spiked Amount			Recovery	=	7.50%	
35) Dibromofluoromethane	7.58	113	26552	3.53	ug/l	0.00
Spiked Amount			Recovery	=	7.06%	
50) Toluene-d8	10.08	98	107739	3.71	ug/l	0.00
Spiked Amount			Recovery	=	7.42%	
62) 4-Bromofluorobenzene	12.41	95	37554	3.36	ug/l	0.00
Spiked Amount			Recovery	=	6.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	24706	3.753	ug/l	93
3) Chloromethane	2.04	50	25614	3.840	ug/l	98
4) Vinyl Chloride	2.17	62	25720	3.647	ug/l	98
5) Bromomethane	2.54	94	13715	3.291	ug/l	94
6) Chloroethane	2.68	64	16660	3.688	ug/l	98
7) Trichlorofluoromethane	3.00	101	34694	3.867	ug/l	97
8) Diethyl Ether	3.39	74	14888	3.905	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	23663	4.128	ug/l #	59
10) Methyl Iodide	3.93	142	17564	2.890	ug/l	97
11) Tert butyl alcohol	4.76	59	20805	17.888	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	20377	3.964	ug/l	97
13) Acrolein	3.59	56	3253	3.699	ug/l #	81
14) Allyl chloride	4.30	41	38402	3.799	ug/l	95
15) Acrylonitrile	4.96	53	56040	17.156	ug/l	97
16) Acetone	3.80	43	61538	19.165	ug/l	98
17) Carbon Disulfide	4.03	76	39133	4.177	ug/l	95
18) Methyl Acetate	4.31	43	31154	3.625	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	81989	3.812	ug/l	97
20) Methylene Chloride	4.53	84	27291	3.910	ug/l	92
21) trans-1,2-Dichloroethene	5.02	96	23197	4.175	ug/l	94
22) Diisopropyl ether	5.93	45	90128	3.803	ug/l #	83
23) Vinyl Acetate	5.87	43	324748	19.445	ug/l	97
24) 1,1-Dichloroethane	5.82	63	50086	3.872	ug/l	98
25) 2-Butanone	6.82	43	83678	17.992	ug/l	100
26) 2,2-Dichloropropane	6.80	77	39968	3.893	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	29676	3.966	ug/l	99
28) Bromochloromethane	7.17	49	21191	3.280	ug/l #	95
29) Tetrahydrofuran	7.19	42	52196	18.211	ug/l	99
30) Chloroform	7.36	83	52548	3.875	ug/l	98
31) Cyclohexane	7.64	56	52812	5.542	ug/l #	76
32) 1,1,1-Trichloroethane	7.55	97	38698	3.600	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35613	3.763	ug/l	98
37) Ethyl Acetate	6.91	43	33213	3.386	ug/l	98
38) Carbon Tetrachloride	7.76	117	32284	3.721	ug/l	92

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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 19 01:43:14 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	40220	4.053	ug/l	97
40) Benzene	8.03	78	107414	3.770	ug/l	100
41) Methacrylonitrile	7.19	41	50949	11.454	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	43819	3.833	ug/l	99
43) Isopropyl Acetate	8.16	43	64571	3.913	ug/l #	87
44) Trichloroethene	8.82	130	26713	3.811	ug/l	88
45) 1,2-Dichloropropane	9.11	63	30530	3.668	ug/l	98
46) Dibromomethane	9.20	93	18447	3.672	ug/l	99
47) Bromodichloromethane	9.40	83	34454	3.444	ug/l	99
48) Methyl methacrylate	9.19	41	27322	3.282	ug/l	96
49) 1,4-Dioxane	9.19	88	8970	63.413	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	169691	17.573	ug/l	97
52) Toluene	10.15	92	64713	3.610	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	32305	3.073	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	39325	3.386	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	26895	3.537	ug/l	94
56) Ethyl methacrylate	10.43	69	36958	3.244	ug/l	96
57) 1,3-Dichloropropane	10.71	76	47097	3.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	84987	15.992	ug/l	99
59) 2-Hexanone	10.75	43	120039	16.627	ug/l	98
60) Dibromochloromethane	10.90	129	22316	3.165	ug/l	99
61) 1,2-Dibromoethane	11.00	107	25046	3.494	ug/l	100
64) Tetrachloroethene	10.63	164	21636	4.068	ug/l	98
65) Chlorobenzene	11.43	112	73699	3.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	23307	3.568	ug/l	98
67) Ethyl Benzene	11.51	91	127948	3.892	ug/l	98
68) m/p-Xylenes	11.62	106	92101	7.652	ug/l	97
69) o-Xylene	11.95	106	43768	3.669	ug/l	96
70) Styrene	11.97	104	74517	3.630	ug/l	100
71) Bromoform	12.13	173	12925	3.186	ug/l #	99
73) Isopropylbenzene	12.25	105	123000	4.591	ug/l	100
74) N-amyl acetate	12.07	43	44843	3.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	37143	4.120	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	44487	5.735	ug/l #	100
77) Bromobenzene	12.53	156	28960	4.312	ug/l	98
78) n-propylbenzene	12.60	91	142674	4.644	ug/l	98
79) 2-Chlorotoluene	12.68	91	85991	4.418	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	101953	4.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	7016	3.197	ug/l #	81
82) 4-Chlorotoluene	12.78	91	88058	4.405	ug/l	97
83) tert-Butylbenzene	13.00	119	88391	4.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	98703	4.298	ug/l	99
85) sec-Butylbenzene	13.18	105	118028	4.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	102308	4.362	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	52542	4.283	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	53390	4.273	ug/l	94
89) n-Butylbenzene	13.62	91	93482	4.206	ug/l	99
90) Hexachloroethane	13.88	117	12758	3.637	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	52063	4.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6020	4.026	ug/l	93

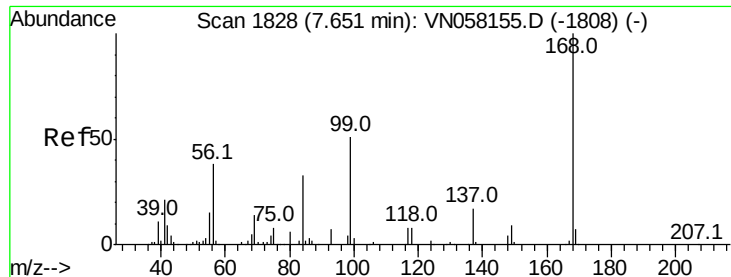
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Data File : VN058153.D
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	30441	3.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	16027	4.603	ug/l	96
95) Naphthalene	15.13	128	76294	3.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	28756	3.621	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

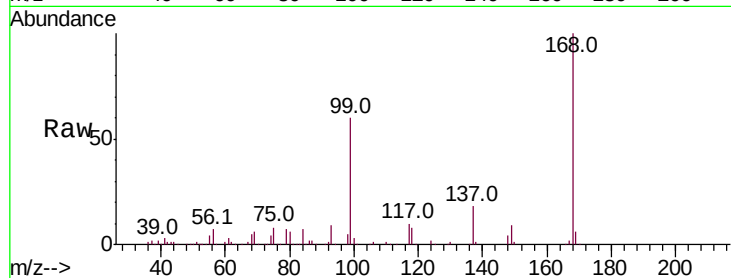
VSTDIC005

Tot Ion:168 Resp: 515274

Ion Ratio Lower Upper

168 100

99 59.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

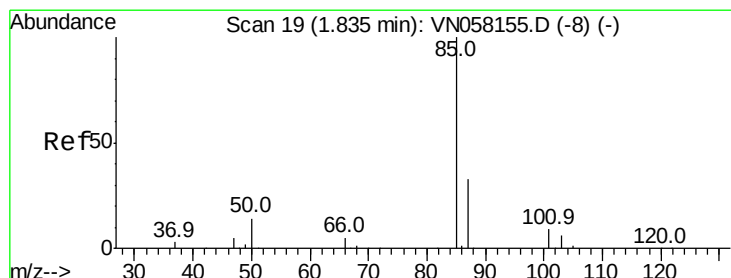
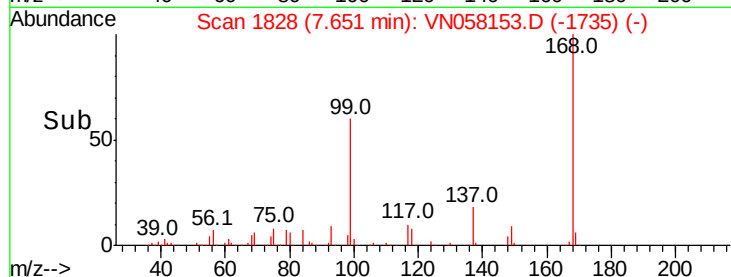
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 3.753 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058153.D

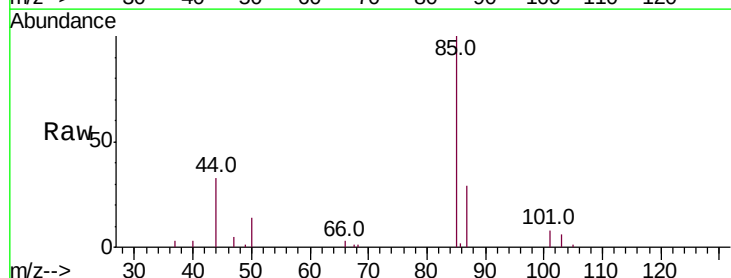
Acq: 18 Sep 2019 9:43

Tgt Ion: 85 Resp: 24706

Ion Ratio Lower Upper

85 100

87 28.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

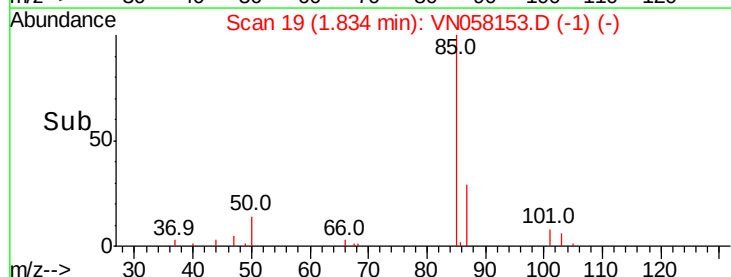
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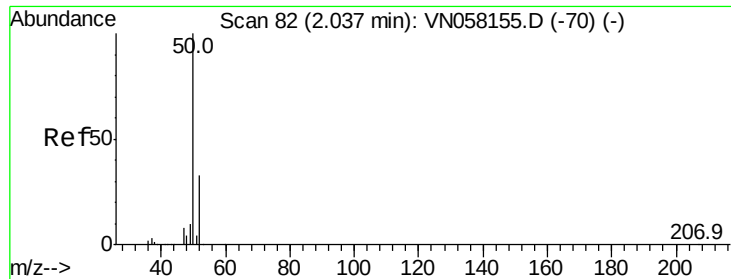
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 3.840 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

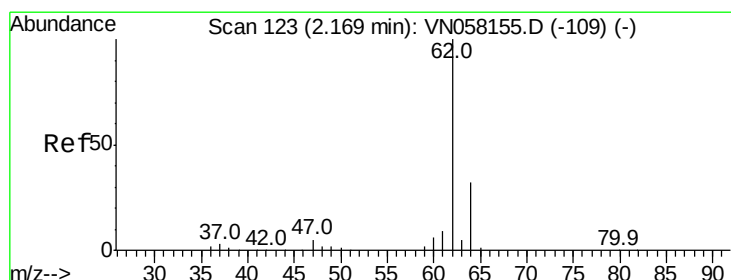
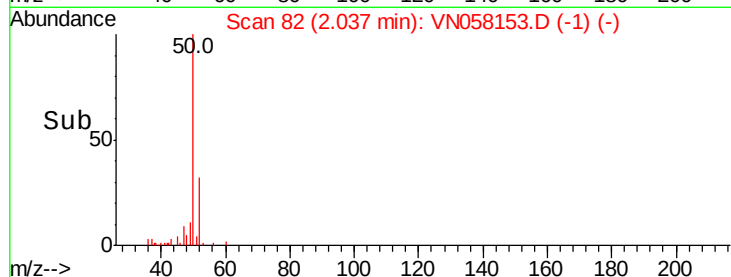
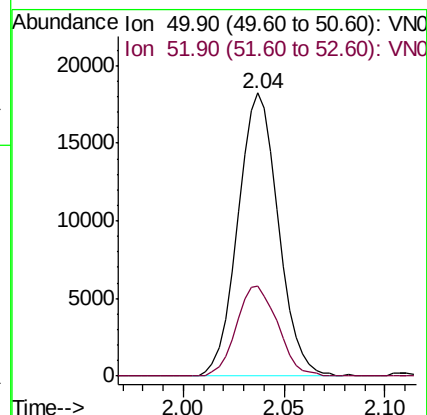
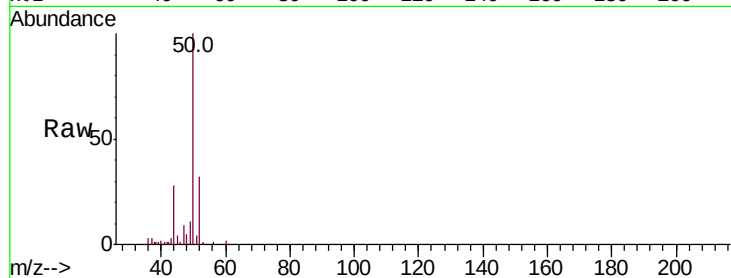
VSTDIC005

Tot Ion: 50 Resp: 25614

Ion Ratio Lower Upper

50 100

52 31.7 26.3 39.5



#4

Vinyl Chloride

Concen: 3.647 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058153.D

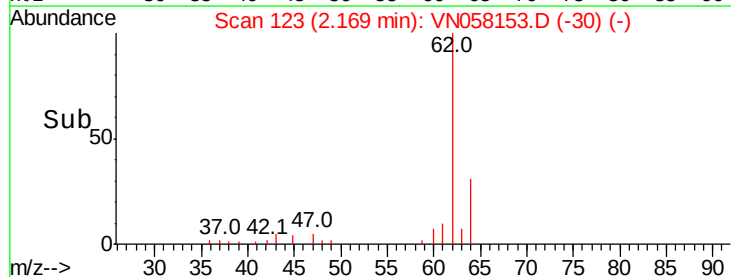
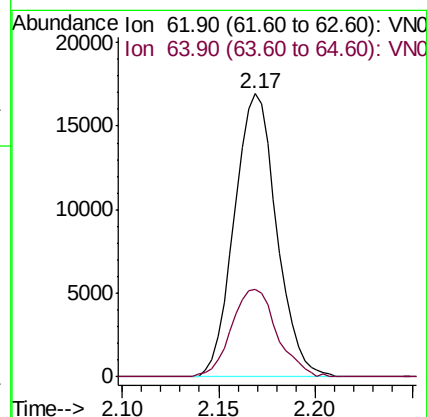
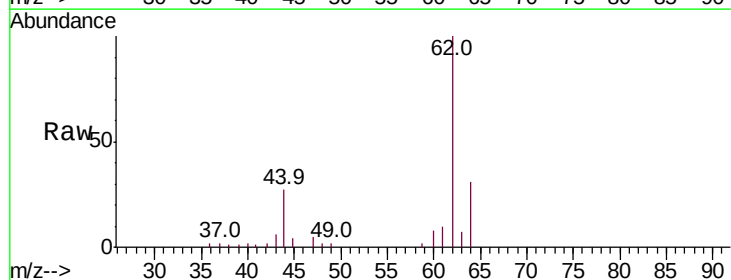
Acq: 18 Sep 2019 9:43

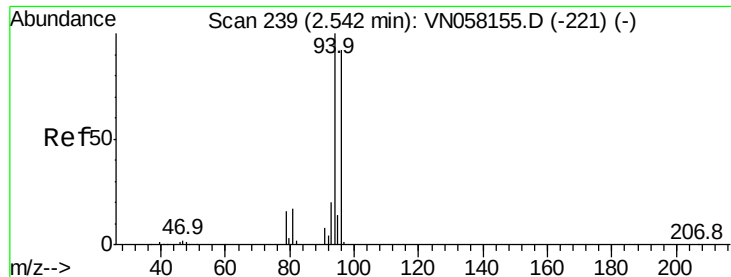
Tgt Ion: 62 Resp: 25720

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 3.291 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

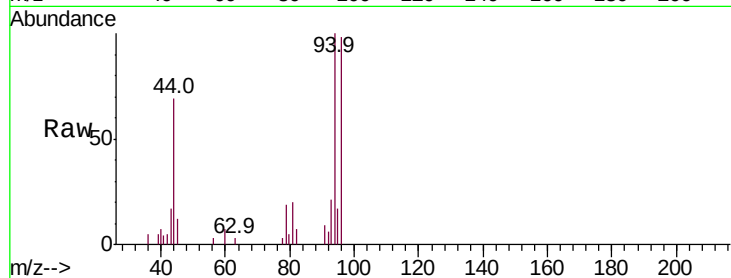
VSTDIC005

Tot Ion: 94 Resp: 13715

Ion Ratio Lower Upper

94 100

96 97.8 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

8000

6000

4000

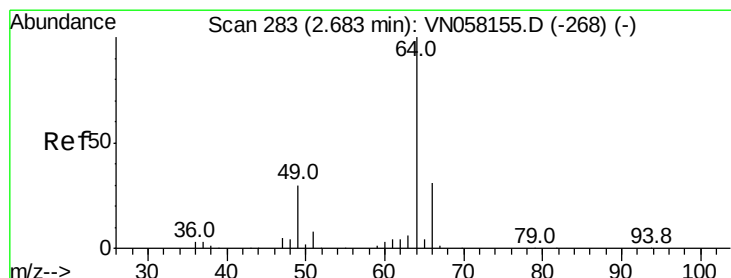
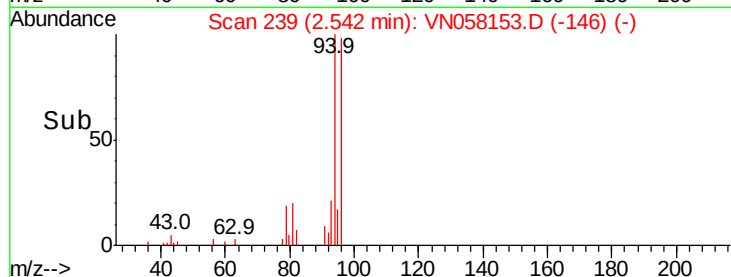
2000

0

Time-->

2.45 2.50 2.55 2.60

2.54



#6

Chloroethane

Concen: 3.688 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058153.D

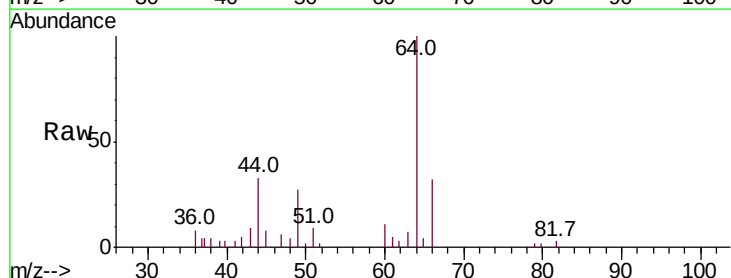
Acq: 18 Sep 2019 9:43

Tgt Ion: 64 Resp: 16660

Ion Ratio Lower Upper

64 100

66 32.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

10000

8000

6000

4000

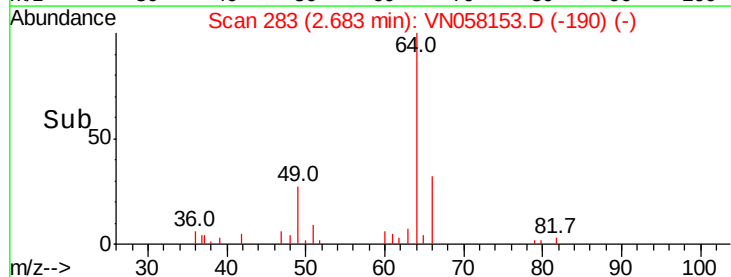
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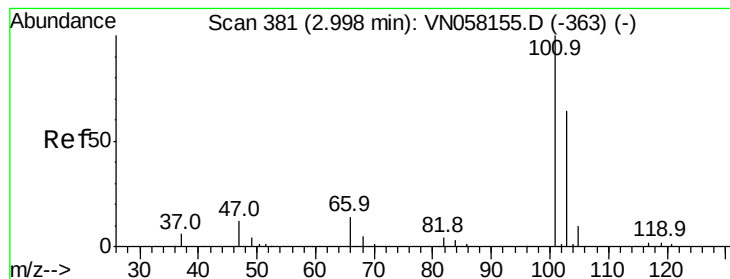
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Time-->

2.65 2.70 2.75

2.68



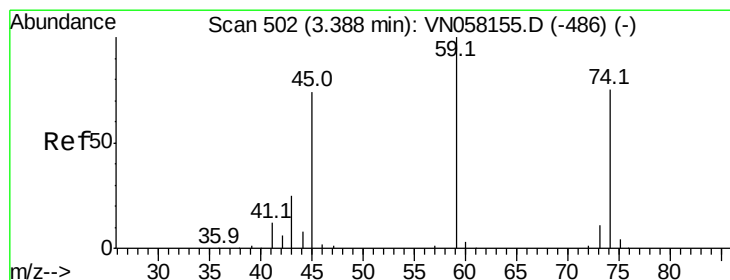
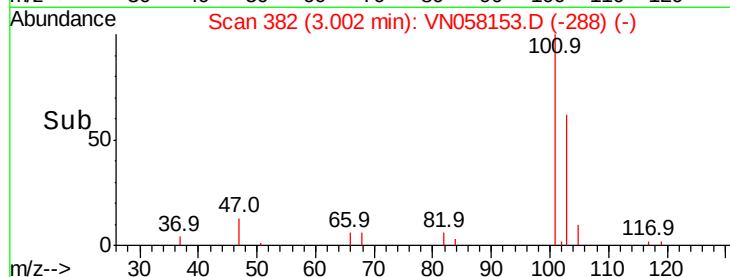
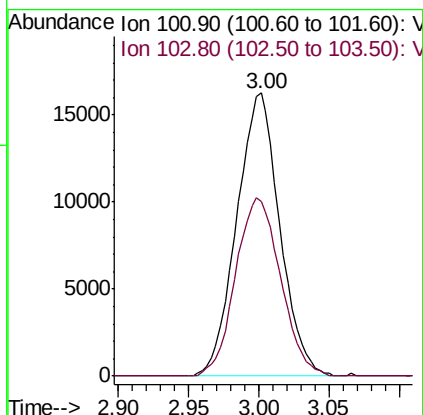
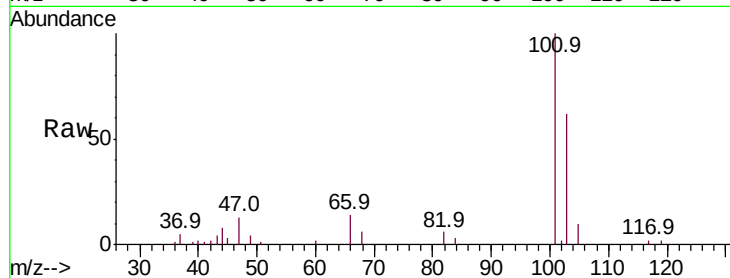


#7

Trichlorofluoromethane
 Concen: 3.867 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

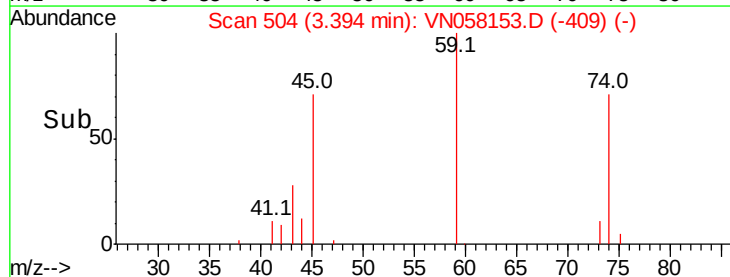
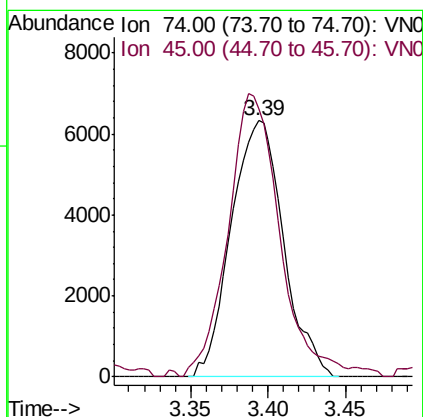
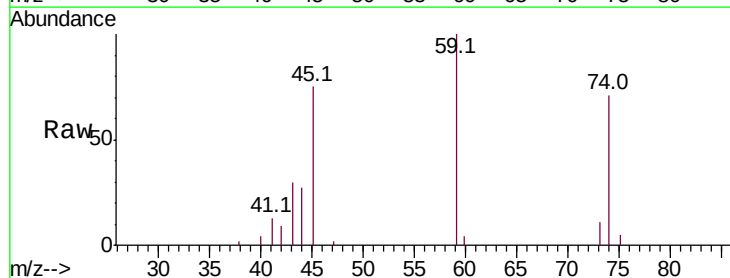
Tot Ion:101 Resp: 34694
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.0 76.6

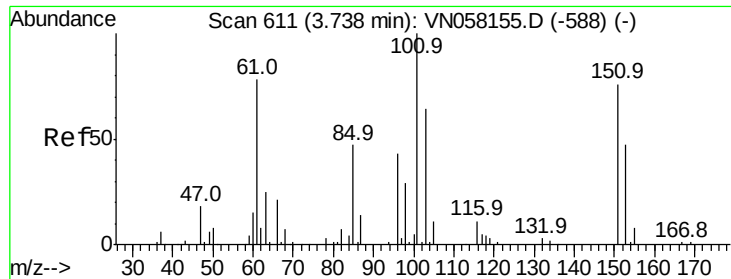


#8

Diethyl Ether
 Concen: 3.905 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 74 Resp: 14888
 Ion Ratio Lower Upper
 74 100
 45 108.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.128 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

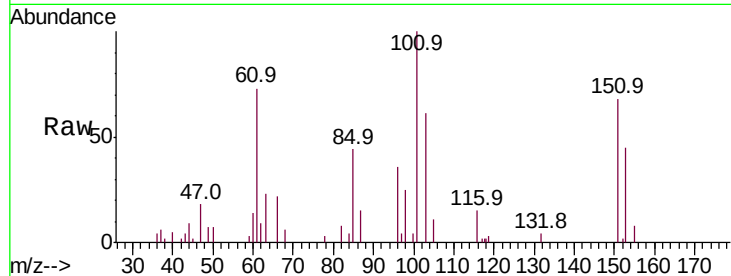
Tot Ion:101 Resp: 23663

Ion Ratio Lower Upper

101 100

85 28.0 37.3 55.9#

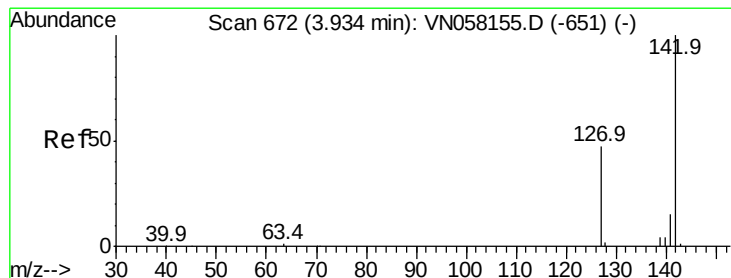
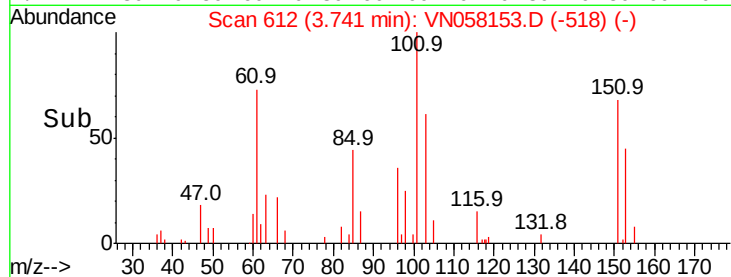
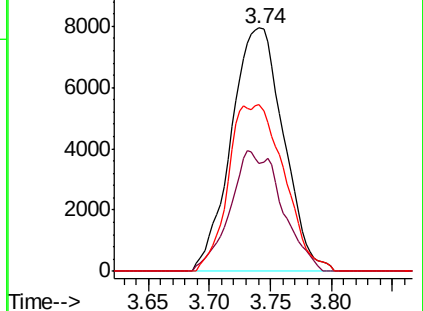
151 32.5 59.6 89.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.890 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

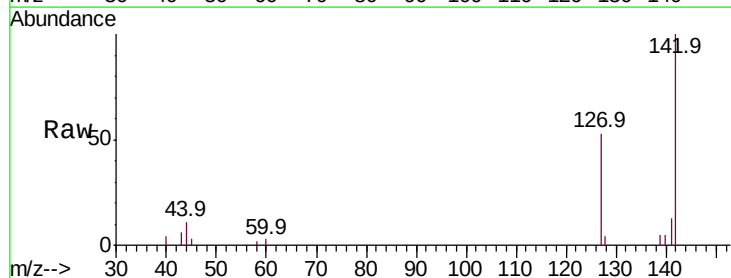
Tgt Ion:142 Resp: 17564

Ion Ratio Lower Upper

142 100

127 48.5 37.5 56.3

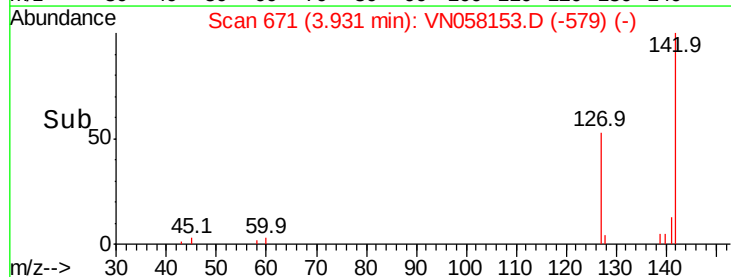
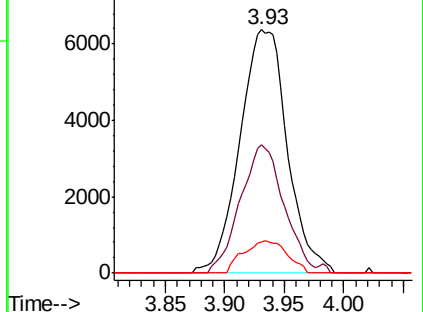
141 12.3 11.4 17.2

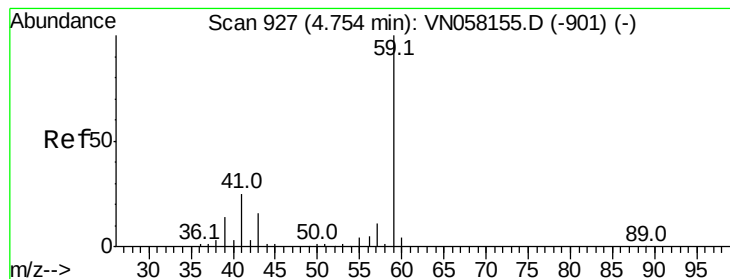


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



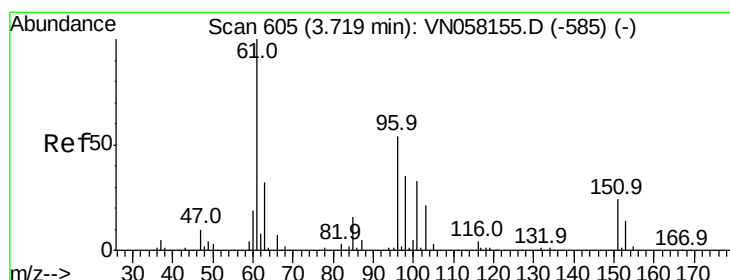
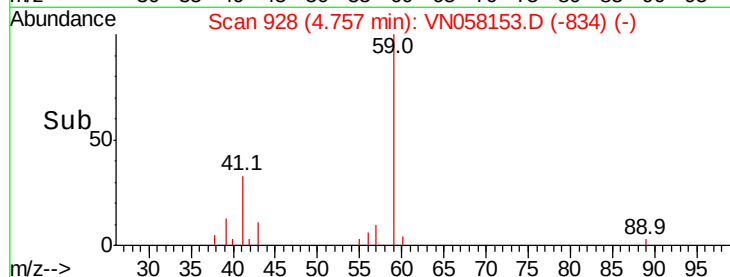
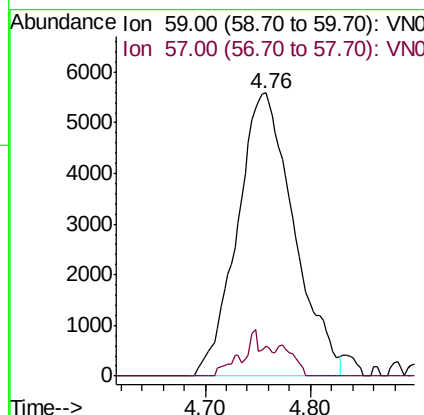
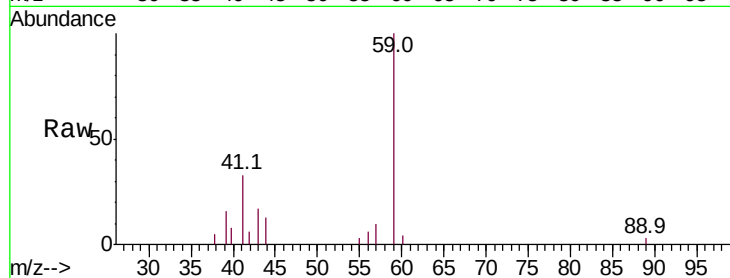


#11

Tert butyl alcohol
 Concen: 17.888 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

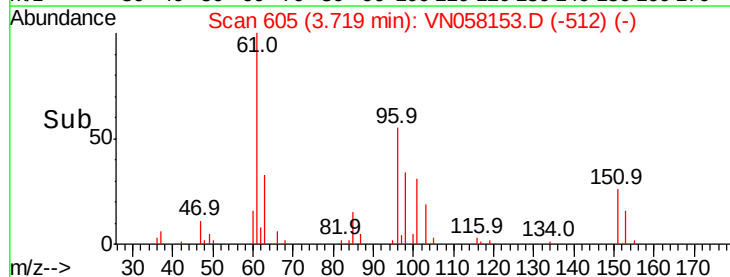
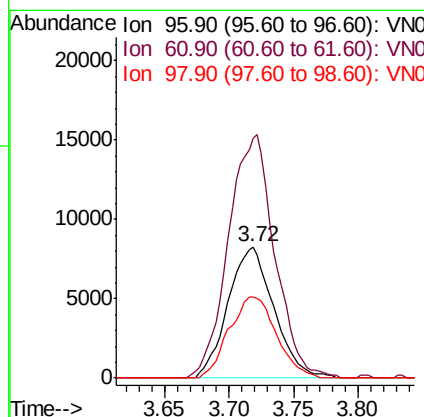
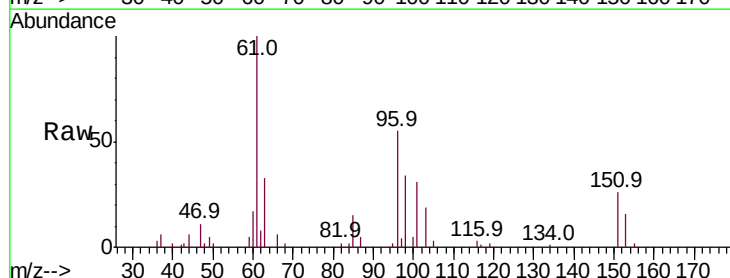
Tot Ion: 59 Resp: 20805
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.6 13.0#

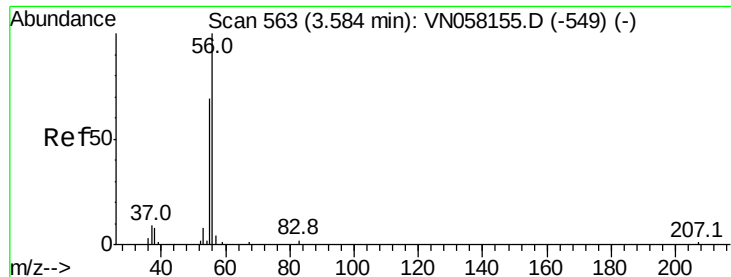


#12

1,1-Dichloroethene
 Concen: 3.964 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 96 Resp: 20377
 Ion Ratio Lower Upper
 96 100
 61 183.1 149.5 224.3
 98 62.2 52.4 78.6





#13

Acrolein

Concen: 3.699 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

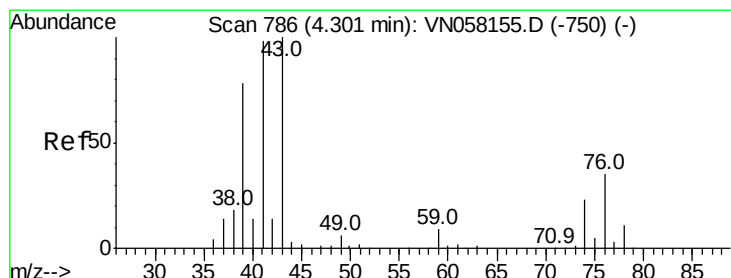
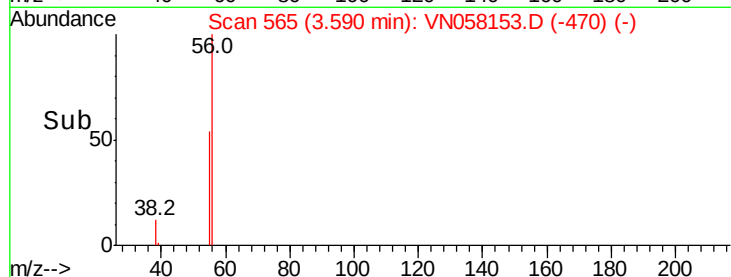
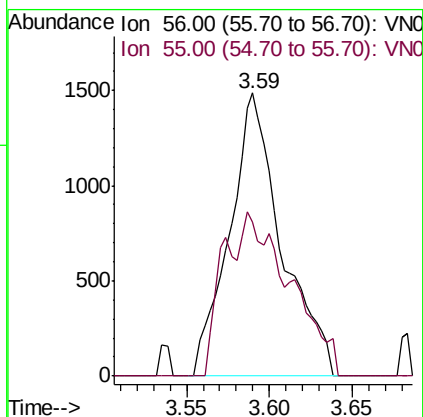
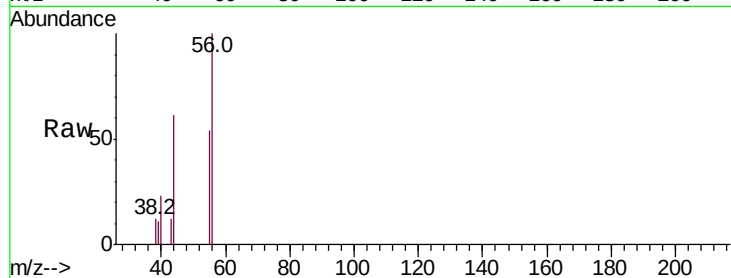
VSTDIC005

Tot Ion: 56 Resp: 3253

Ion Ratio Lower Upper

56 100

55 54.2 56.1 84.1#



#14

Allyl chloride

Concen: 3.799 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

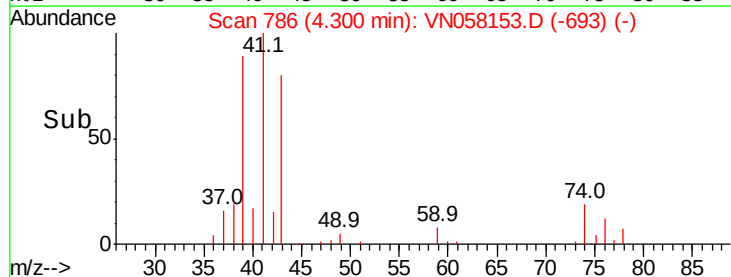
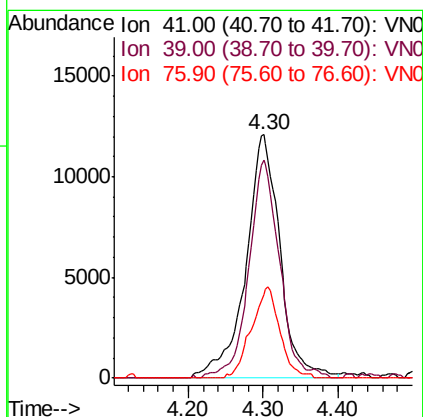
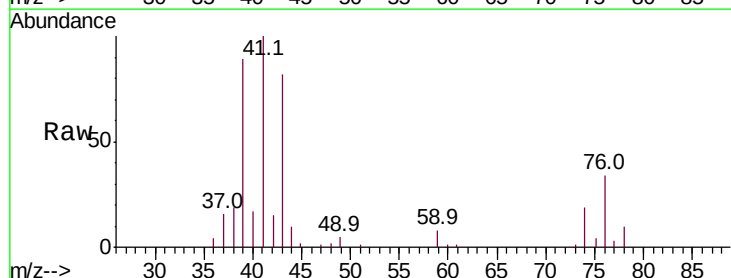
Tgt Ion: 41 Resp: 38402

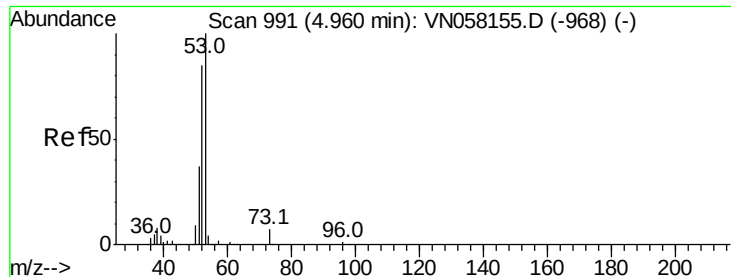
Ion Ratio Lower Upper

41 100

39 79.5 59.1 88.7

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 17.156 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

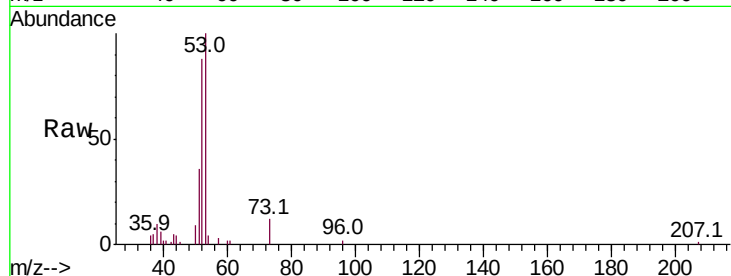
Tot Ion: 53 Resp: 56040

Ion Ratio Lower Upper

53 100

52 86.1 66.6 100.0

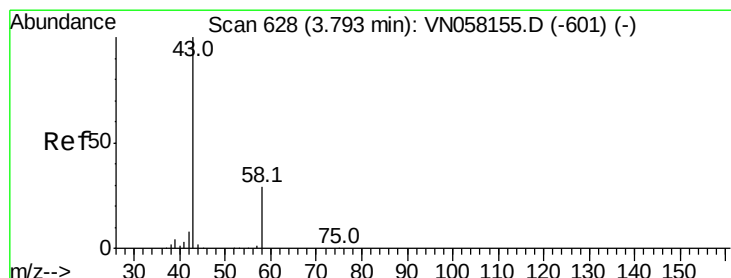
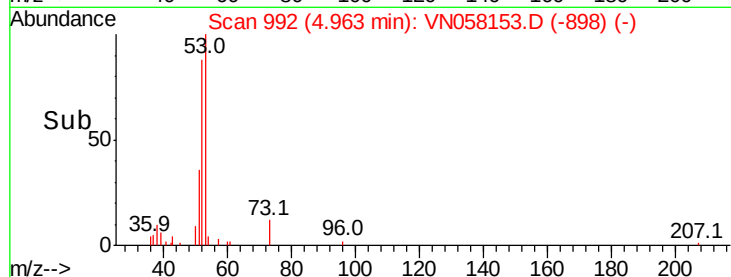
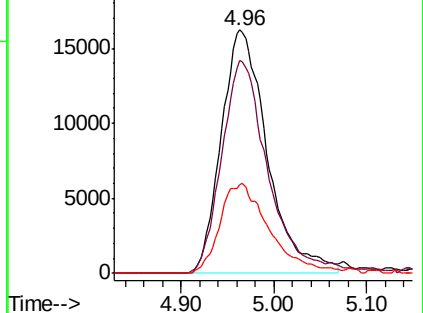
51 39.4 29.7 44.5



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: 19.165 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058153.D

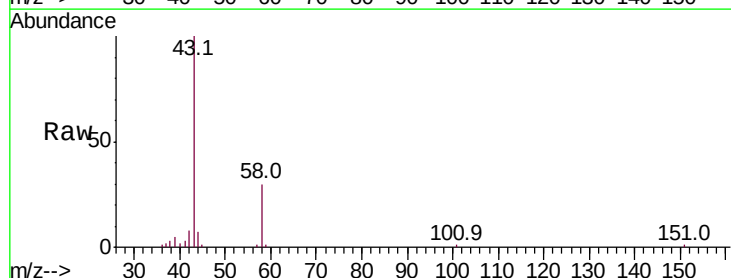
Acq: 18 Sep 2019 9:43

Tgt Ion: 43 Resp: 61538

Ion Ratio Lower Upper

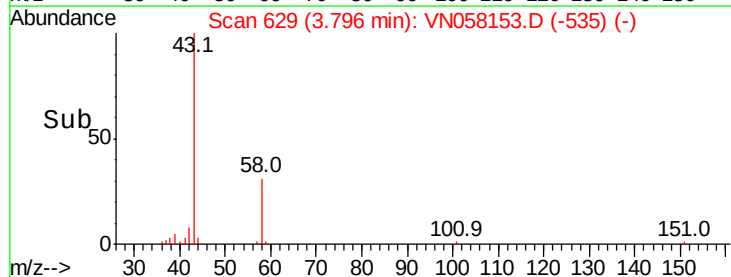
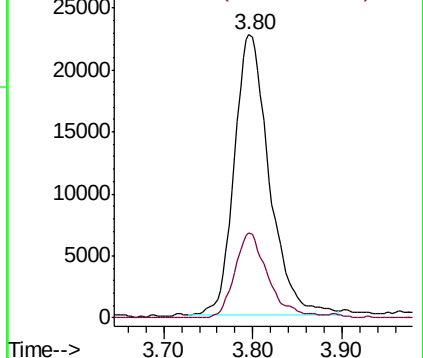
43 100

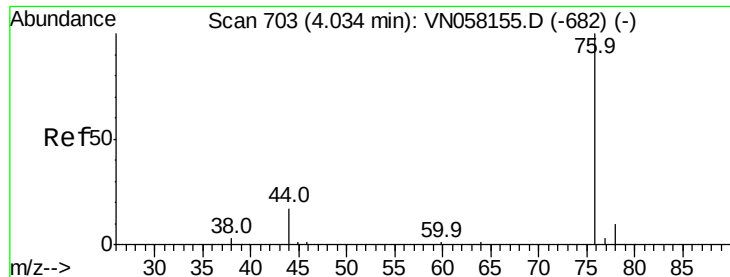
58 30.4 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

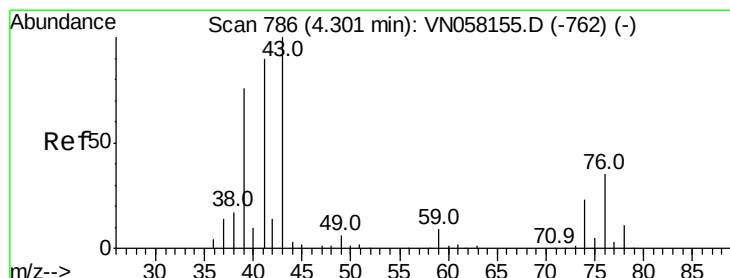
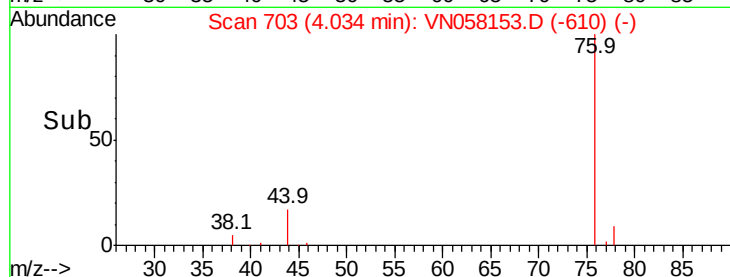
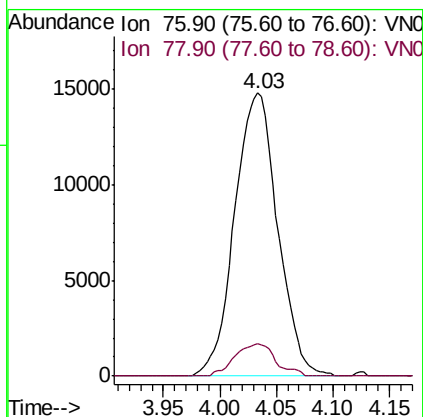
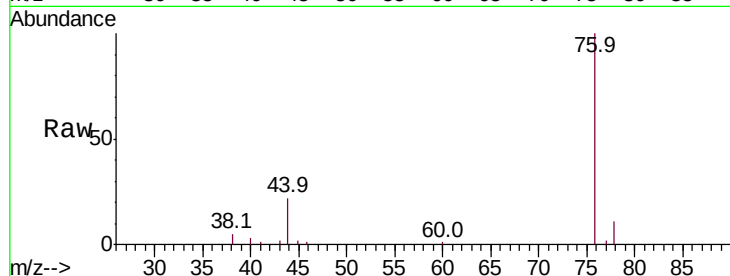




#17
Carbon Disulfide
Concen: 4.177 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

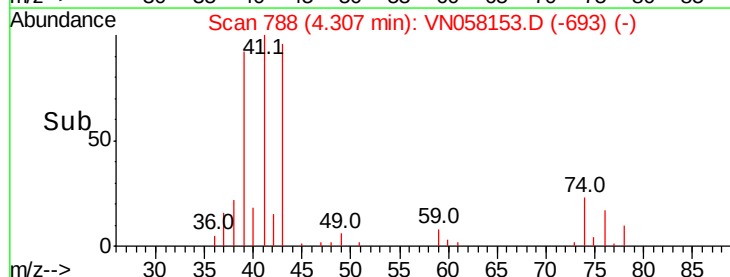
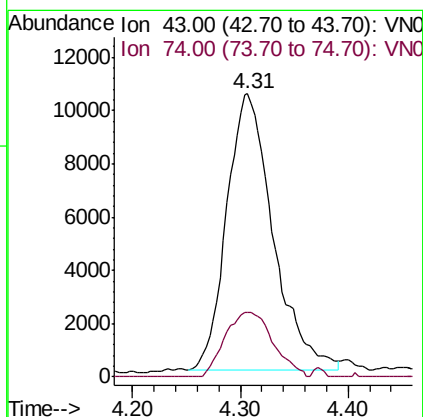
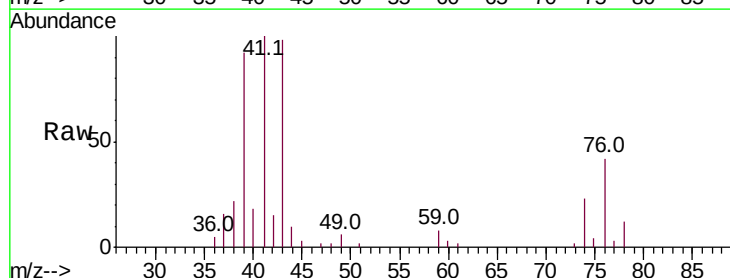
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

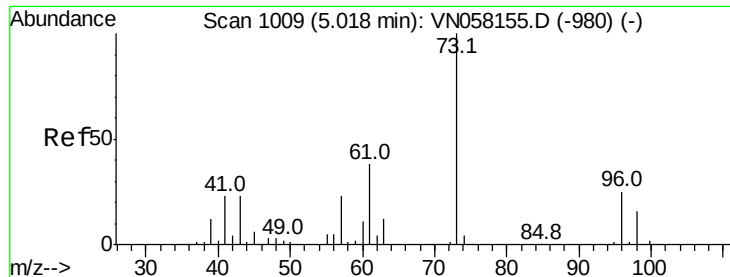
Tot Ion: 76 Resp: 39133
Ion Ratio Lower Upper
76 100
78 11.3 7.7 11.5



#18
Methyl Acetate
Concen: 3.625 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 43 Resp: 31154
Ion Ratio Lower Upper
43 100
74 24.1 18.0 27.0

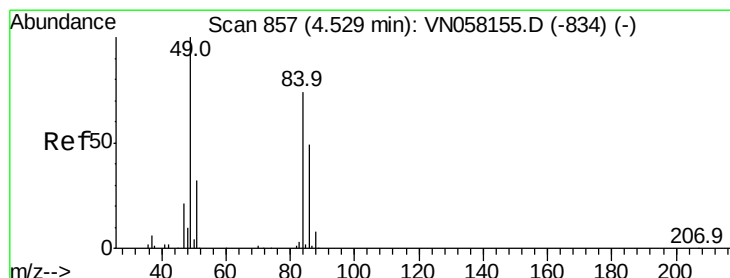
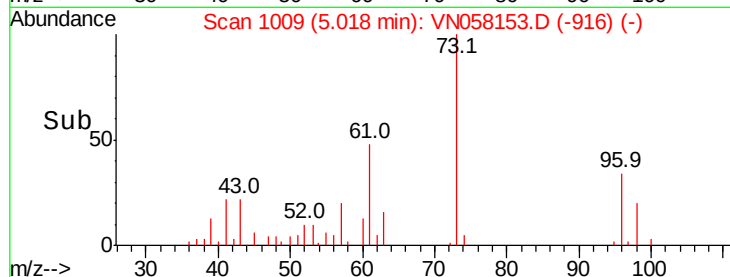
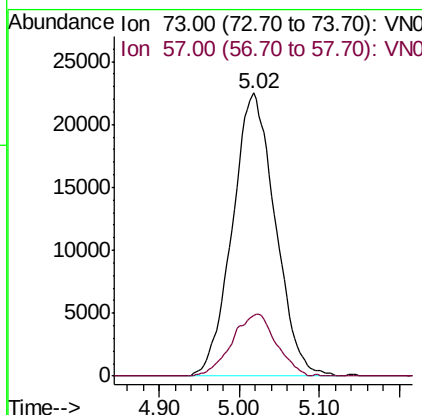
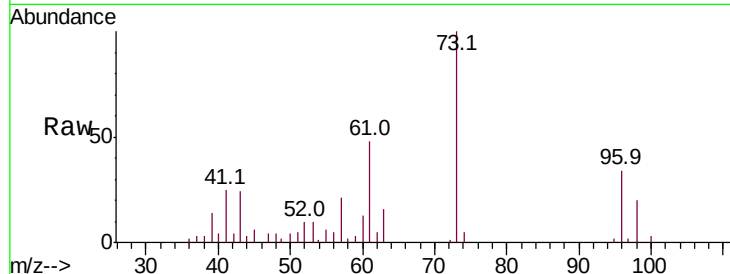




#19
Methvl tert-butvl Ether
Concen: 3.812 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

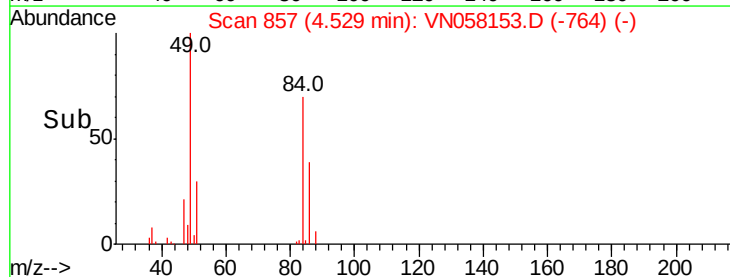
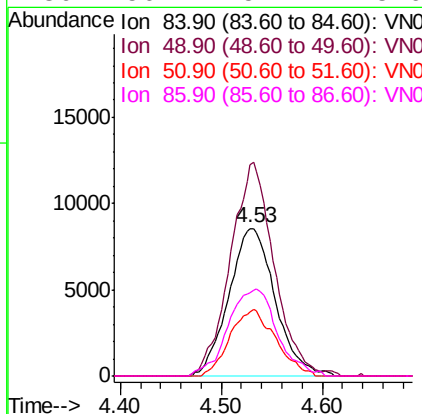
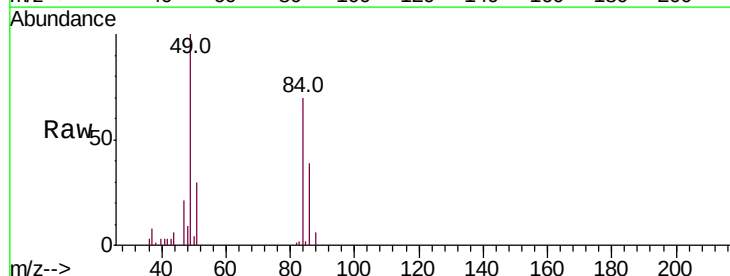
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

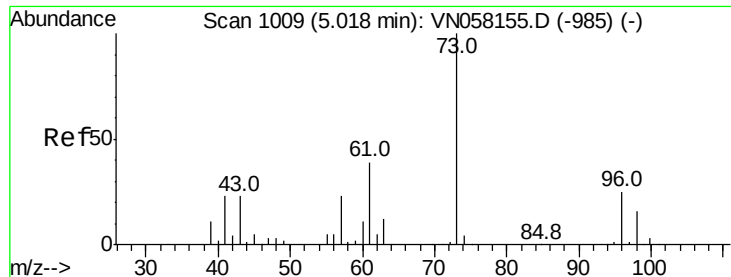
Tot Ion: 73 Resp: 81989
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1



#20
Methylene Chloride
Concen: 3.910 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 84 Resp: 27291
Ion Ratio Lower Upper
84 100
49 143.6 107.5 161.3
51 43.2 33.9 50.9
86 56.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 4.175 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

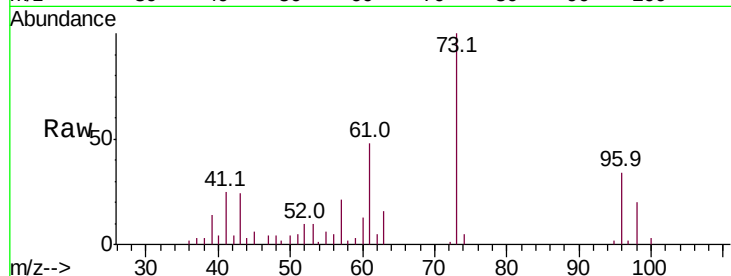
Tot Ion: 96 Resp: 23197

Ion Ratio Lower Upper

96 100

61 143.5 122.2 183.4

98 60.7 49.9 74.9

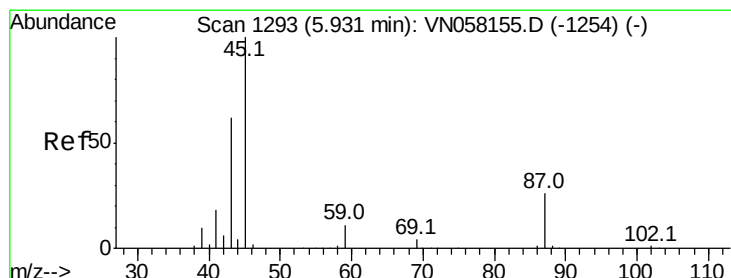
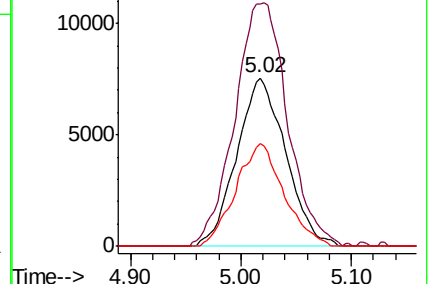
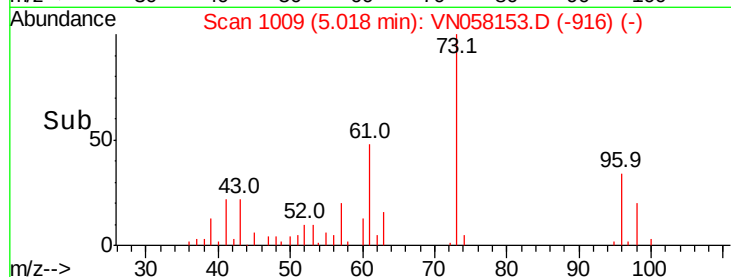


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 3.803 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion: 45 Resp: 90128

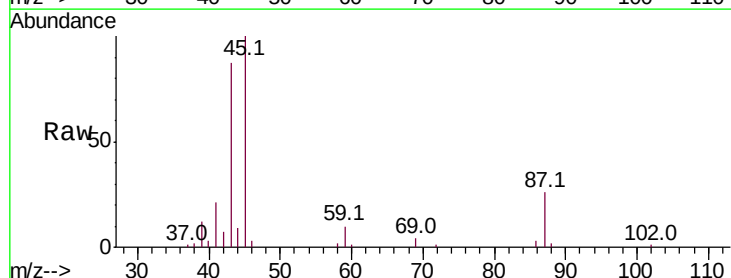
Ion Ratio Lower Upper

45 100

43 82.1 49.7 74.5#

87 25.8 20.7 31.1

59 10.3 9.1 13.7



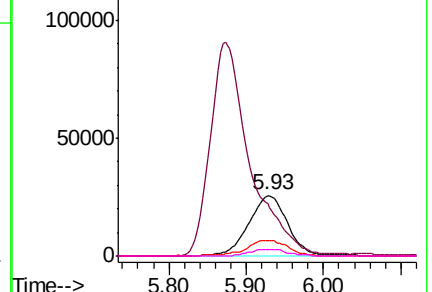
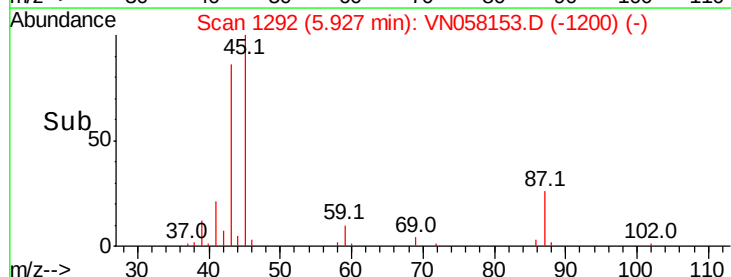
Abundance

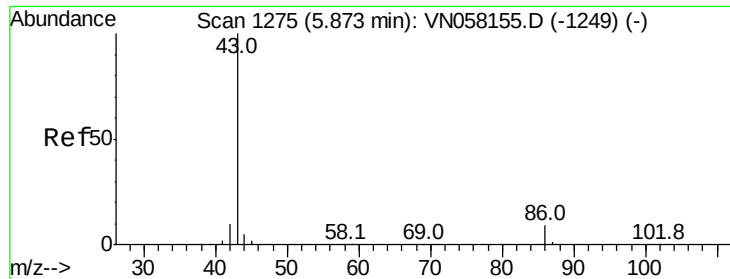
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

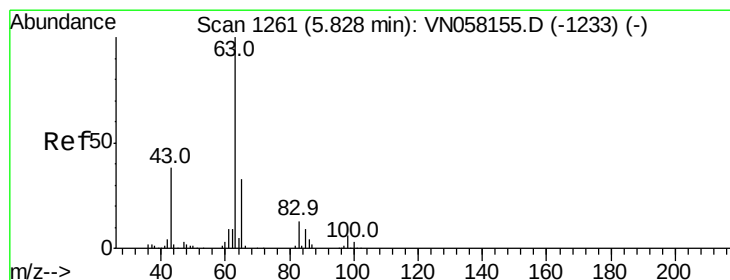
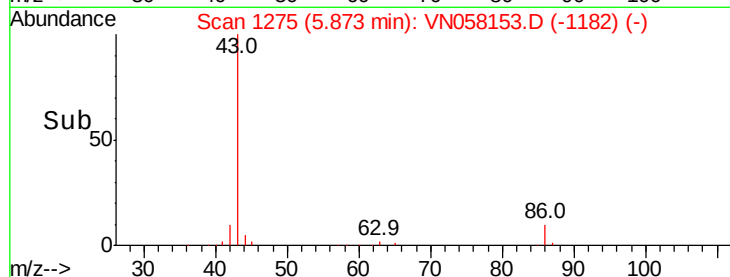
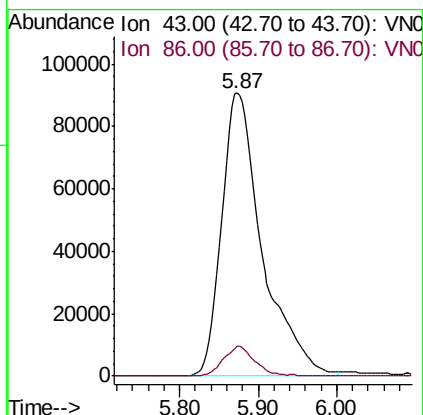
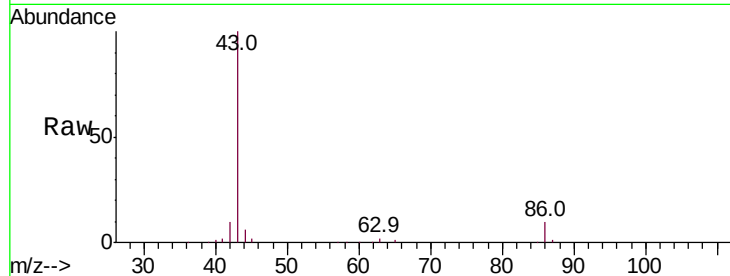




#23
 Vinyl Acetate
 Concen: 19.445 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

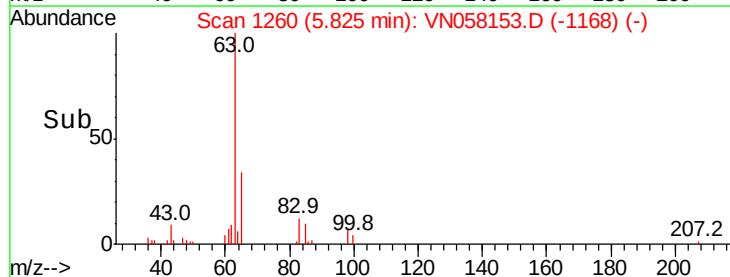
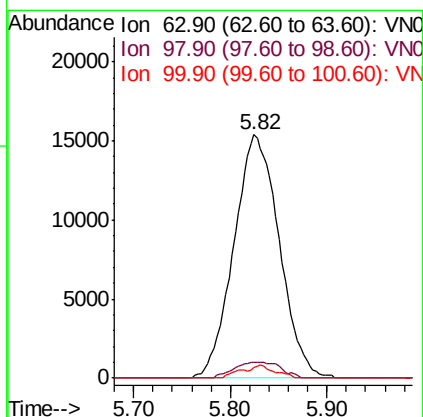
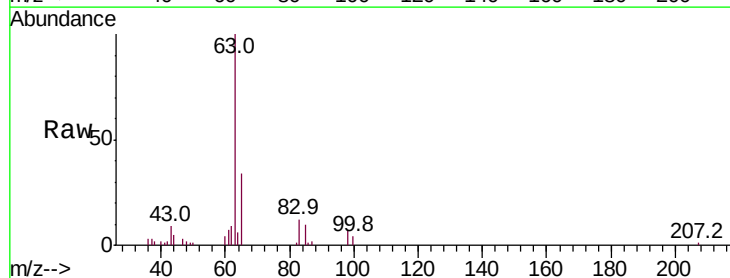
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

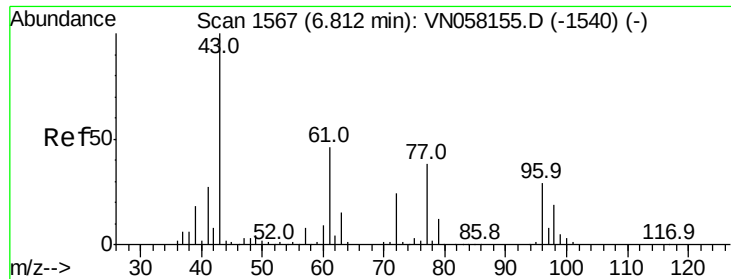
Tot Ion: 43 Resp: 324748
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 3.872 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 63 Resp: 50086
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.6
 100 4.2 1.8 5.3





#25

2-Butanone

Concen: 17.992 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

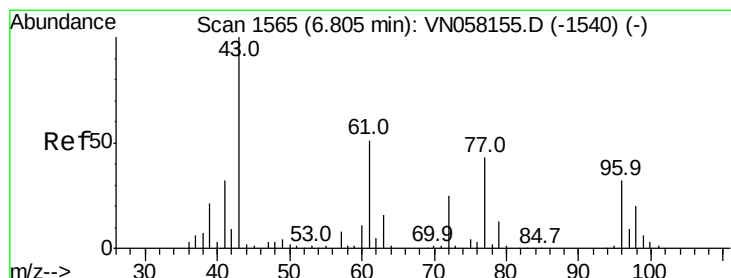
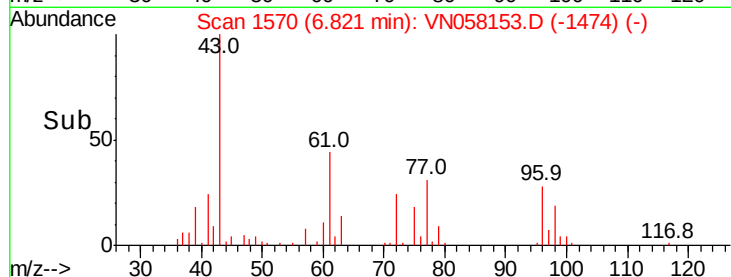
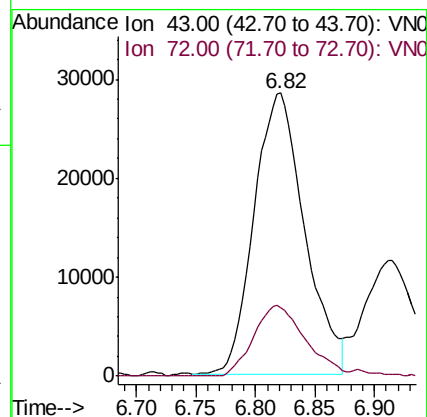
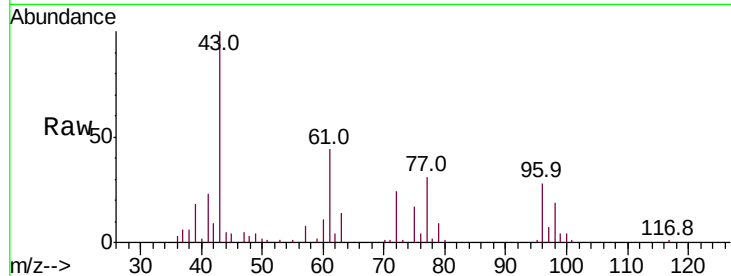
VSTDIC005

Tot Ion: 43 Resp: 83678

Ion Ratio Lower Upper

43 100

72 24.4 19.5 29.3



#26

2,2-Dichloropropane

Concen: 3.893 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058153.D

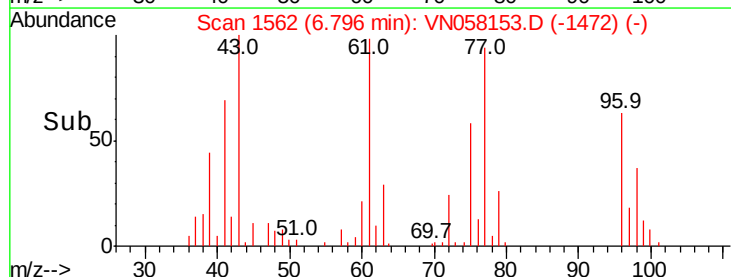
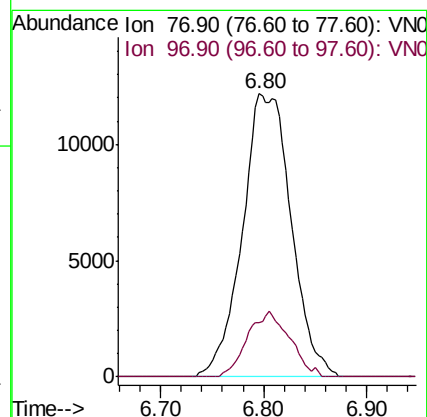
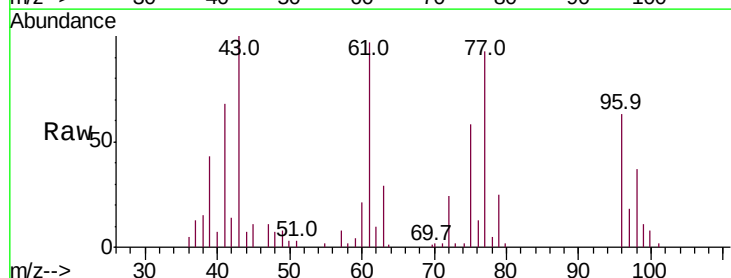
Acq: 18 Sep 2019 9:43

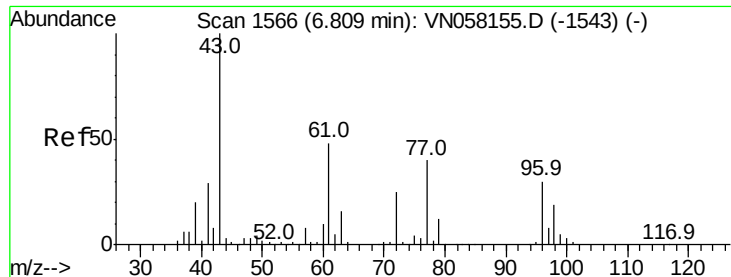
Tgt Ion: 77 Resp: 39968

Ion Ratio Lower Upper

77 100

97 20.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 3.966 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

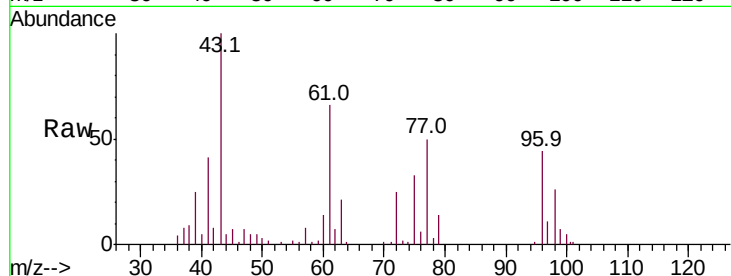
Tot Ion: 96 Resp: 29676

Ion Ratio Lower Upper

96 100

61 158.0 0.0 319.0

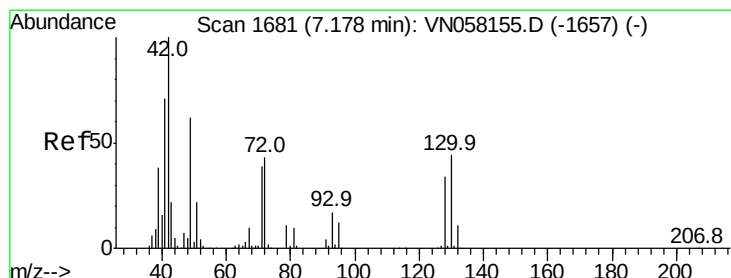
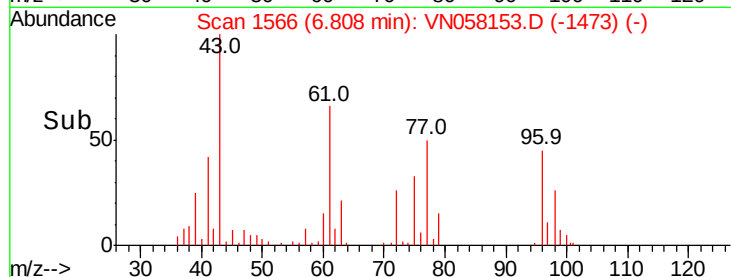
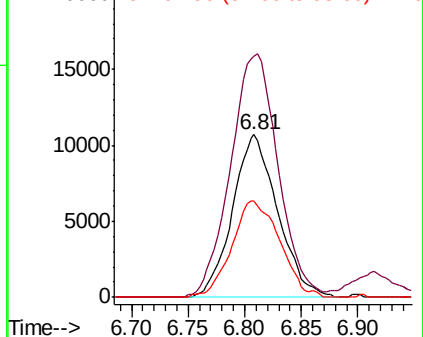
98 63.2 0.0 126.6



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: 3.280 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

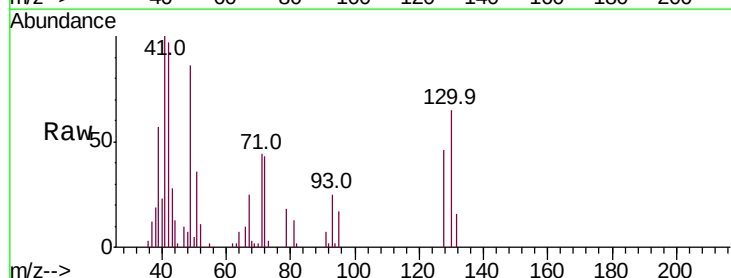
Tgt Ion: 49 Resp: 21191

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.8

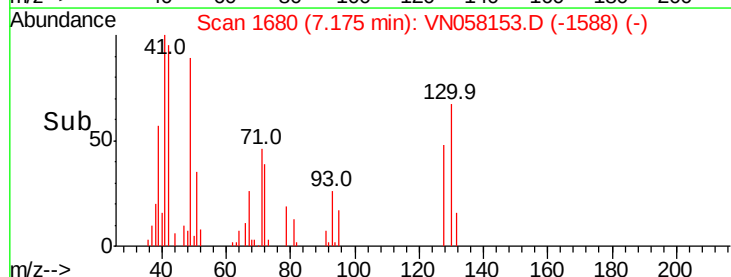
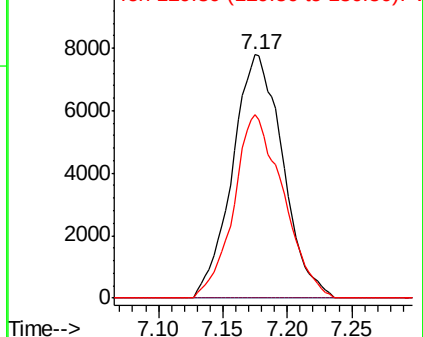
130 73.8 55.4 83.2

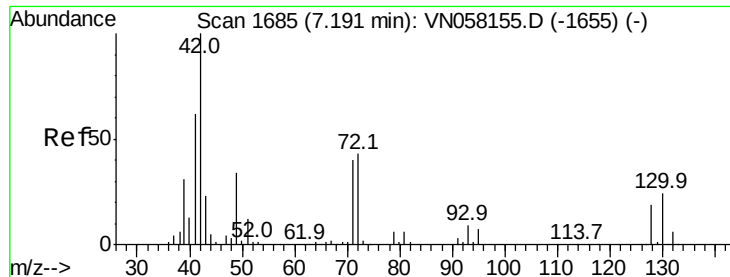


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

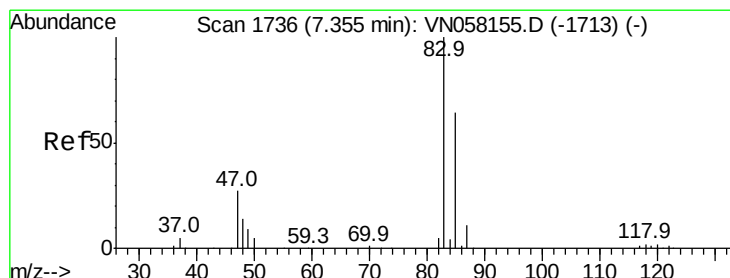
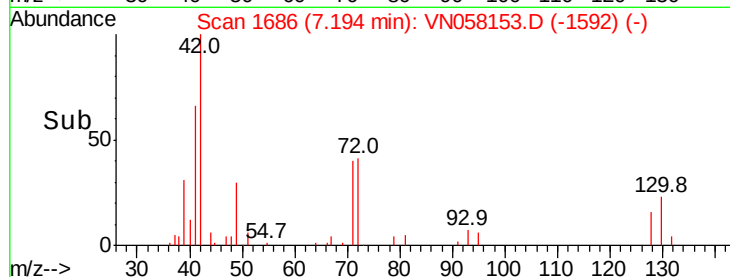
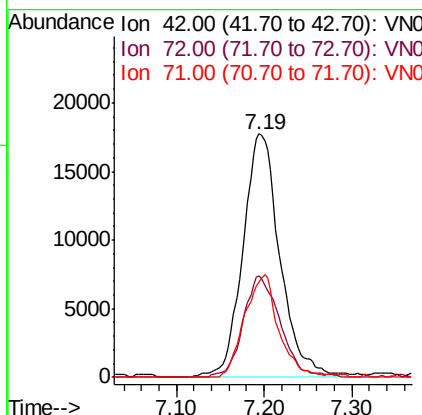
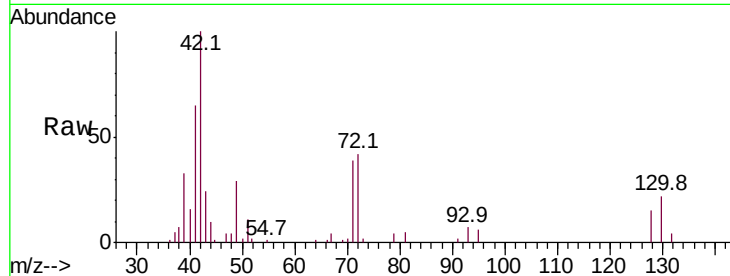




#29
Tetrahydrofuran
Concen: 18.211 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

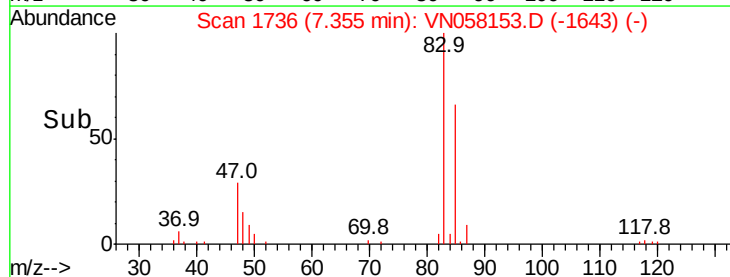
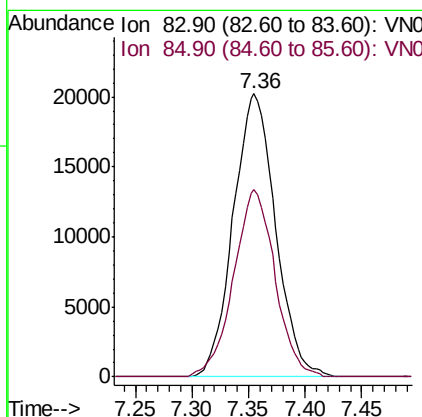
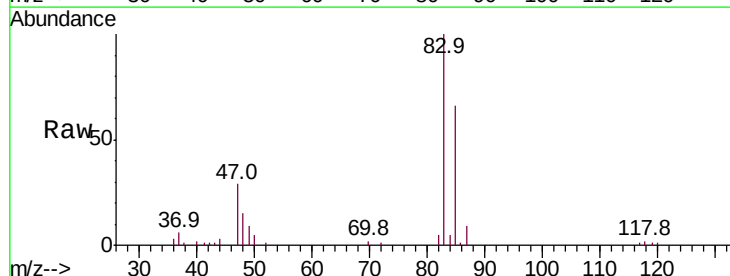
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

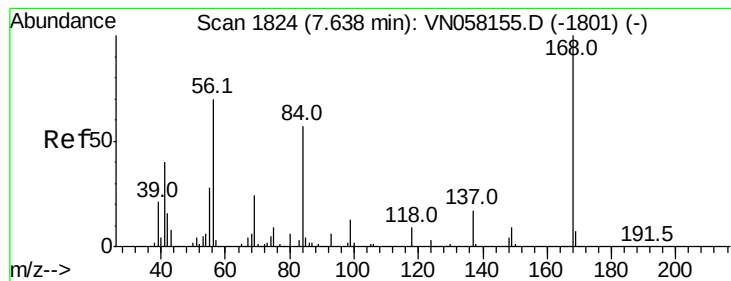
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	38.6	31.4	47.0



#30
Chloroform
Concen: 3.875 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.2





#31

Cyclohexane

Concen: 5.542 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

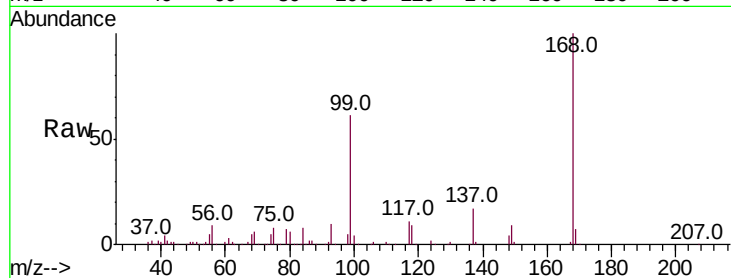
Tot Ion: 56 Resp: 52812

Ion Ratio Lower Upper

56 100

69 65.3 27.3 40.9#

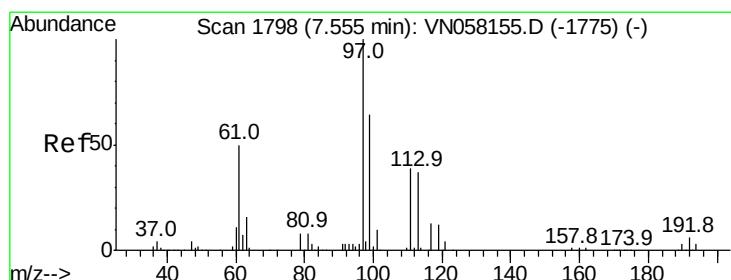
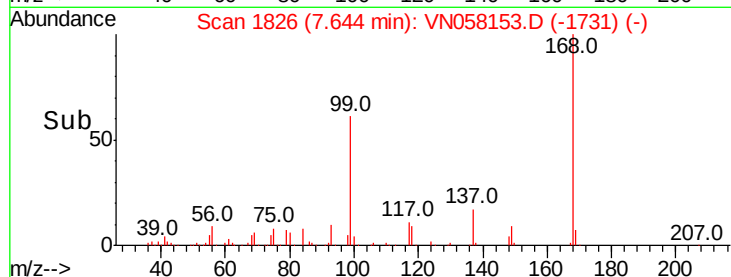
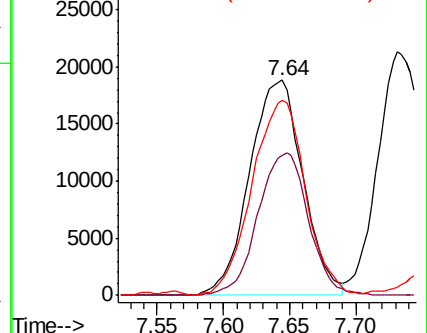
84 90.9 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 3.600 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

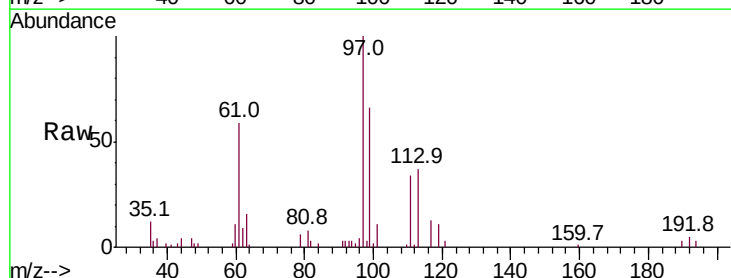
Tgt Ion: 97 Resp: 38698

Ion Ratio Lower Upper

97 100

99 67.3 50.9 76.3

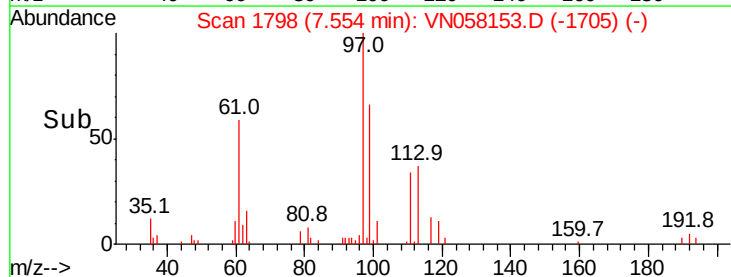
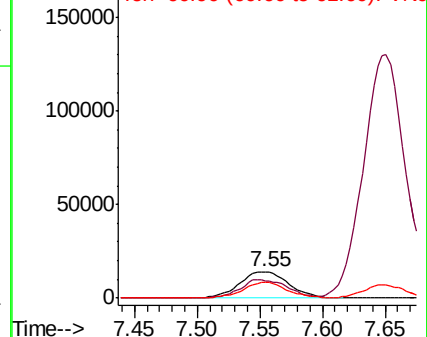
61 53.0 39.2 58.8

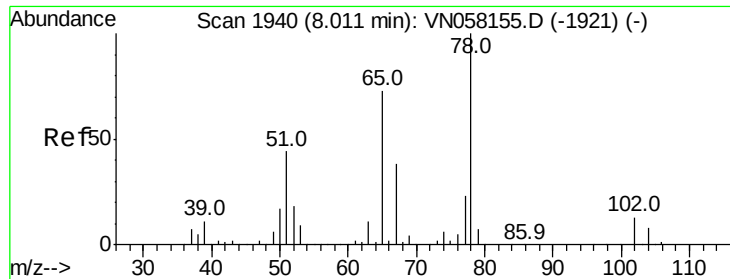


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

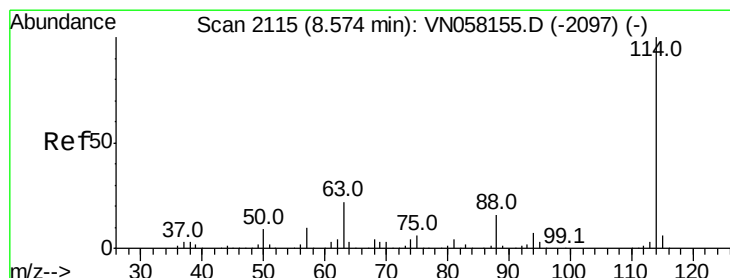
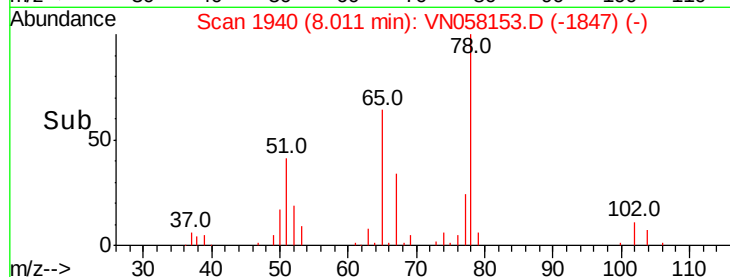
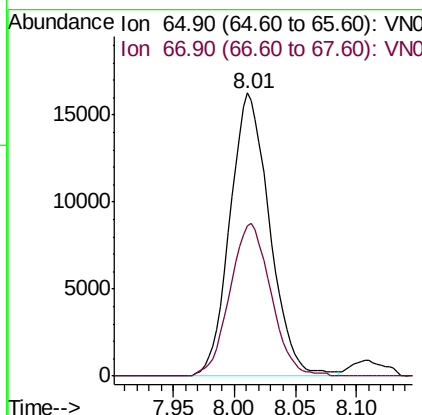
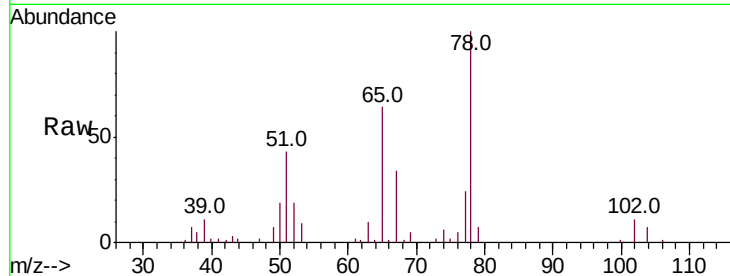




#33
 1,2-Dichloroethane-d4
 Concen: 3.754 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

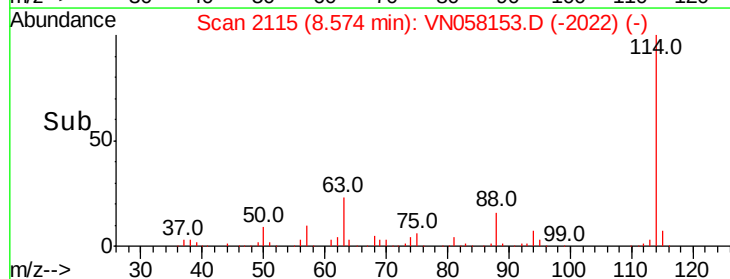
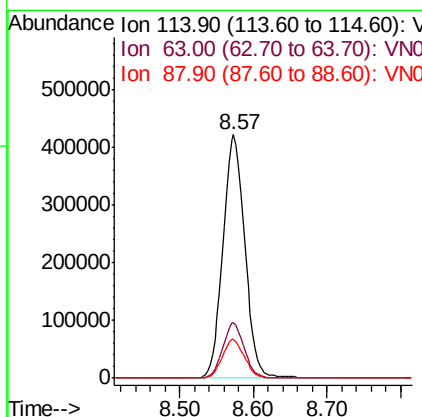
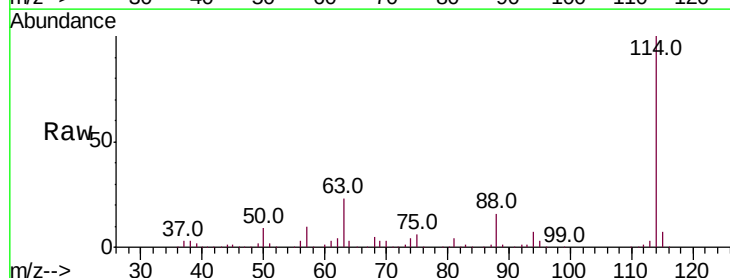
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

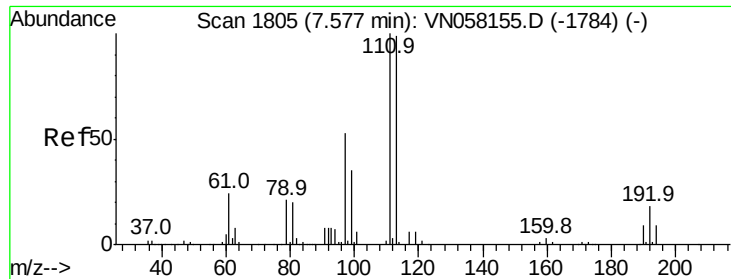
Tot Ion: 65 Resp: 36709
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 114 Resp: 870870
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.2
 88 15.7 0.0 31.6

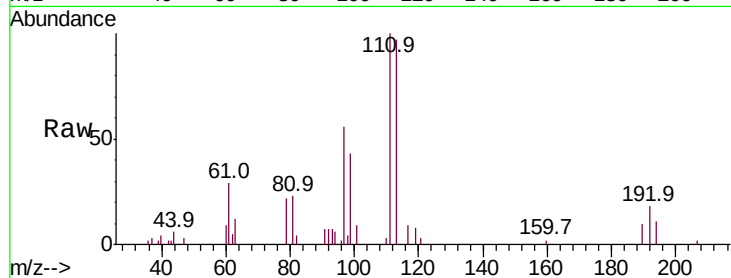




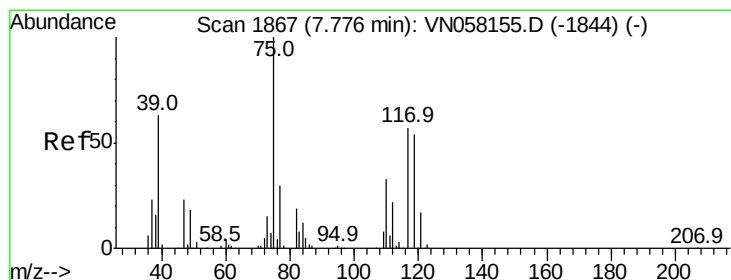
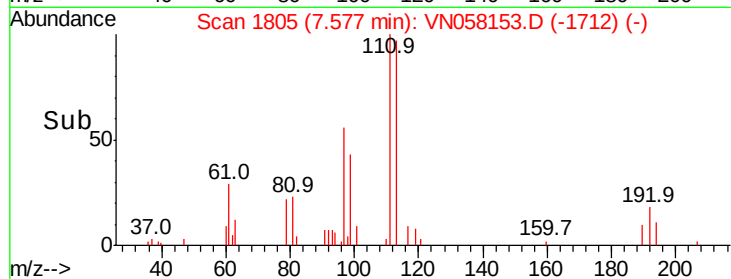
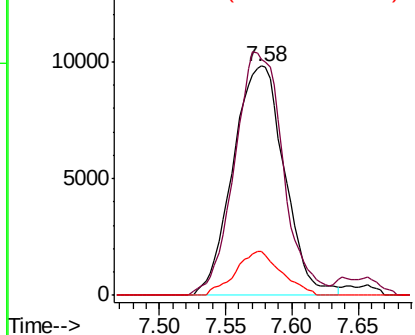
#35
 Dibromofluoromethane
 Concen: 3.531 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 26552
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.8 122.6
 192 17.0 14.5 21.7

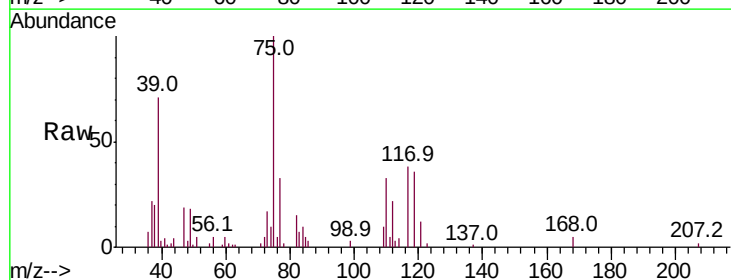


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

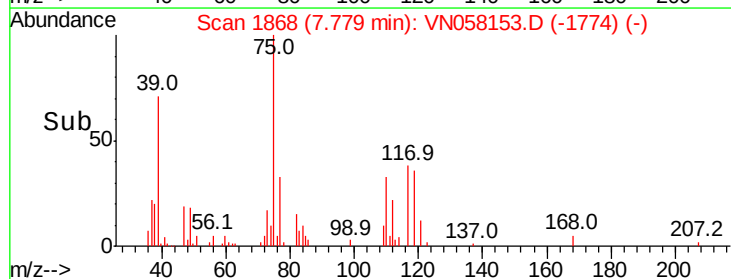
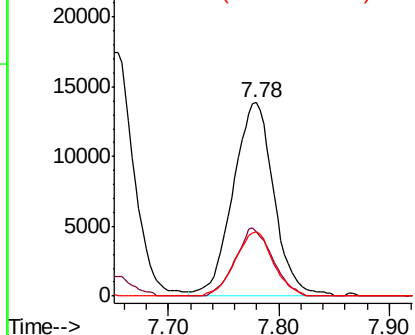


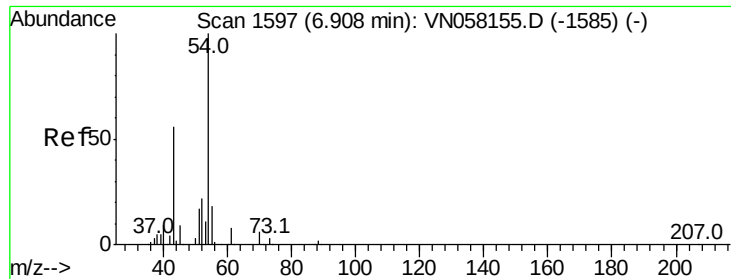
#36
 1,1-Dichloropropene
 Concen: 3.763 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 75 Resp: 35613
 Ion Ratio Lower Upper
 75 100
 110 31.8 16.6 49.7
 77 31.1 24.3 36.5



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

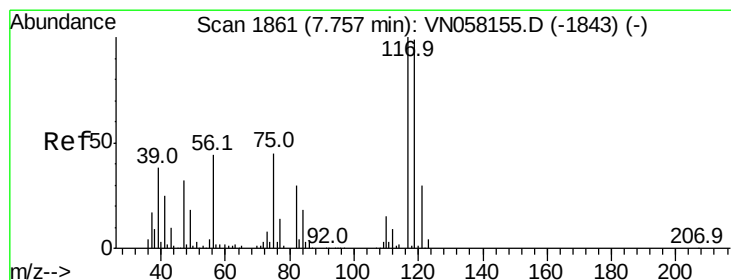
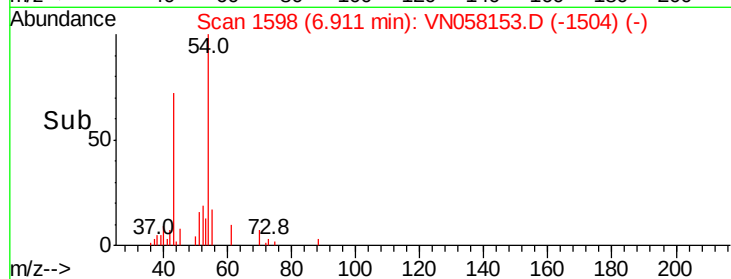
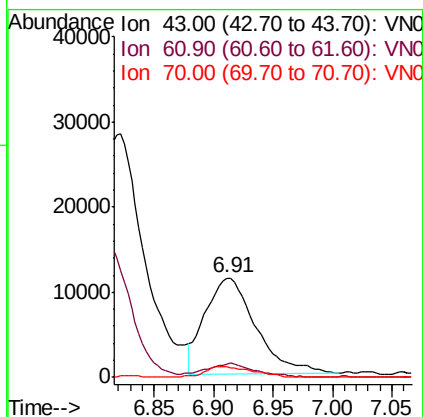
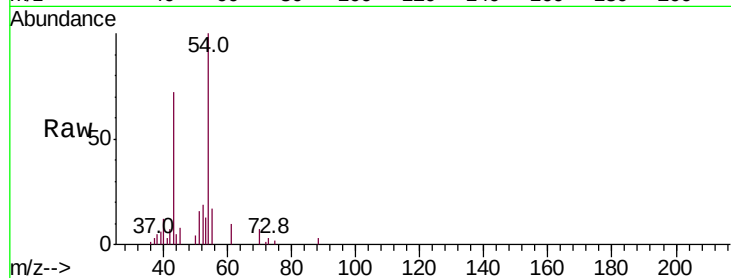




#37
Ethyl Acetate
Concen: 3.386 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

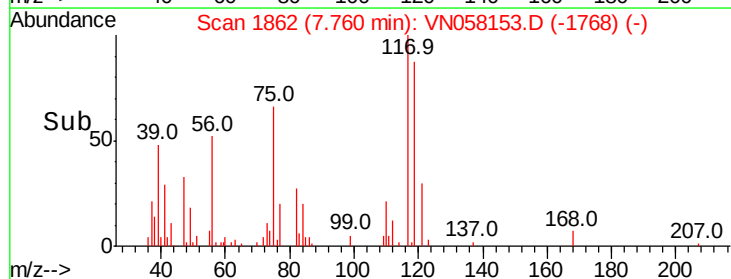
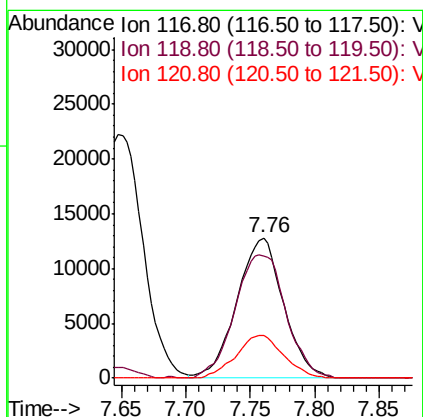
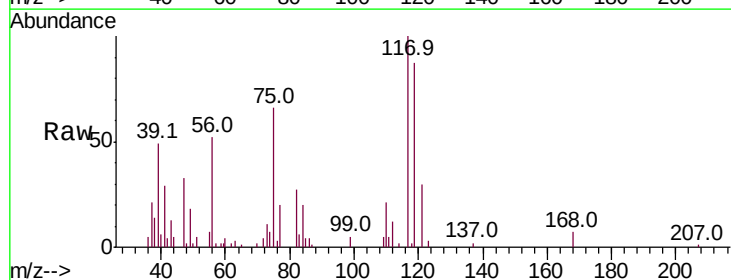
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

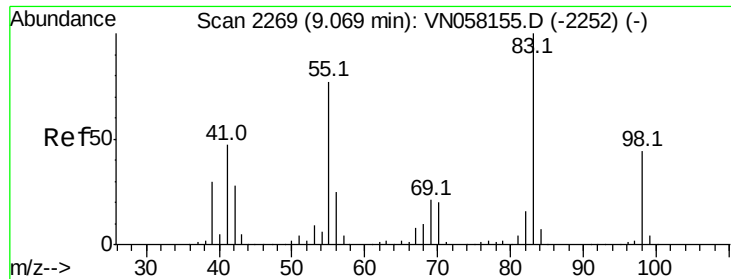
Tot Ion: 43 Resp: 33213
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 10.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 3.721 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 117 Resp: 32284
Ion Ratio Lower Upper
117 100
119 87.4 78.6 117.8
121 30.2 24.1 36.1

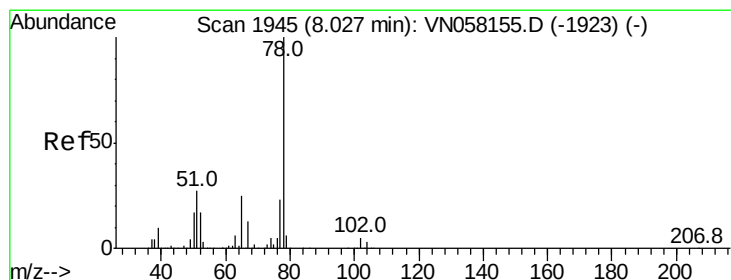
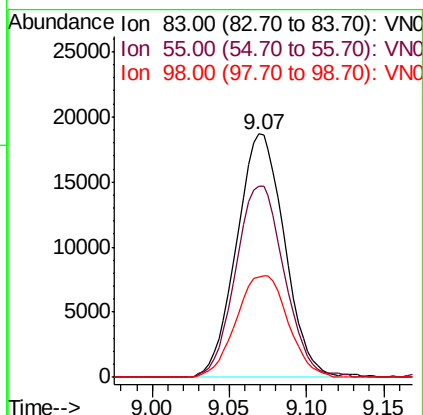
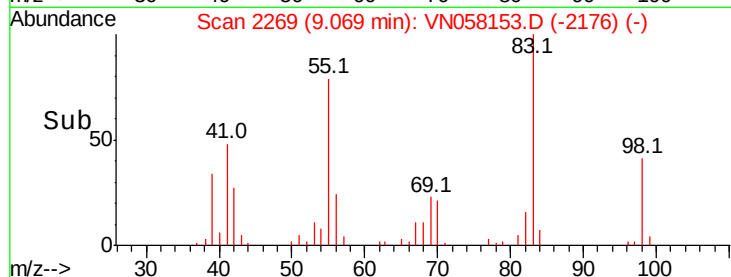
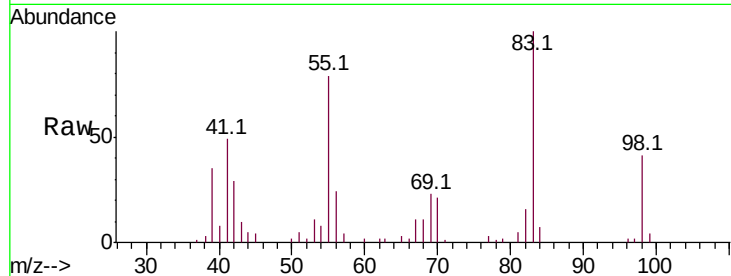




#39
Methylvlcyclohexane
Concen: 4.053 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

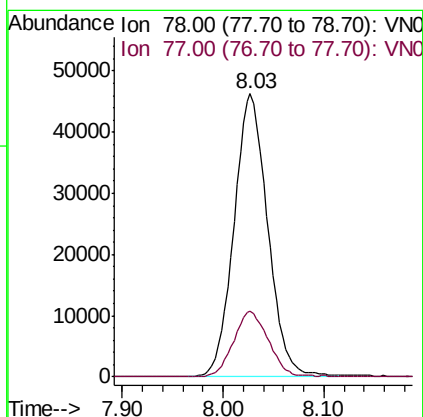
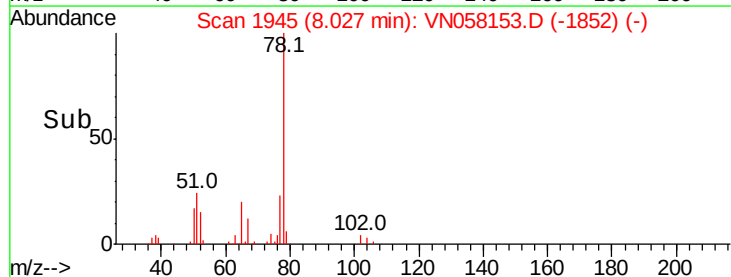
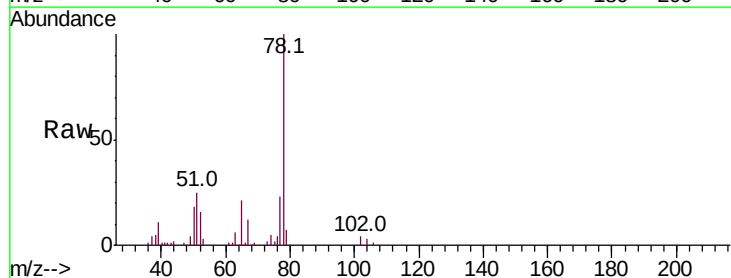
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

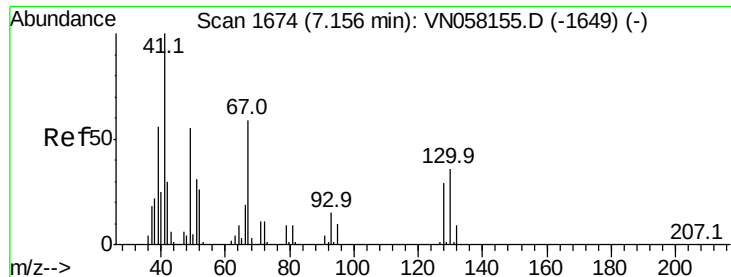
Tot Ion: 83 Resp: 40220
Ion Ratio Lower Upper
83 100
55 78.6 61.9 92.9
98 41.3 35.4 53.2



#40
Benzene
Concen: 3.770 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 78 Resp: 107414
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

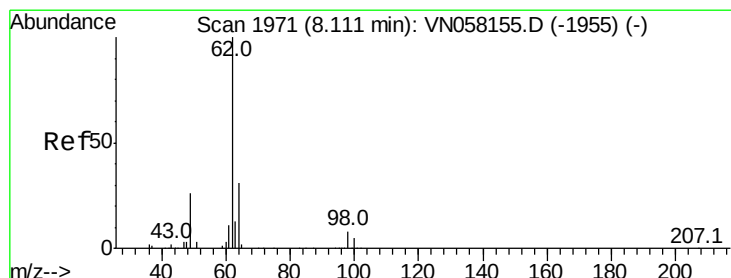
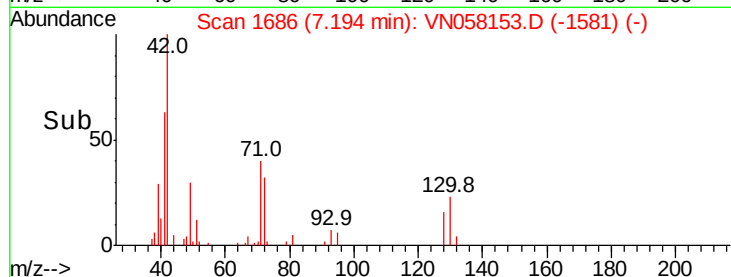
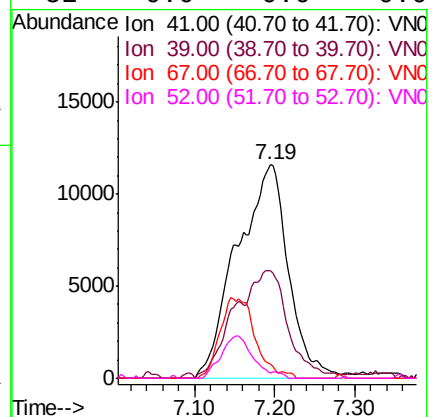
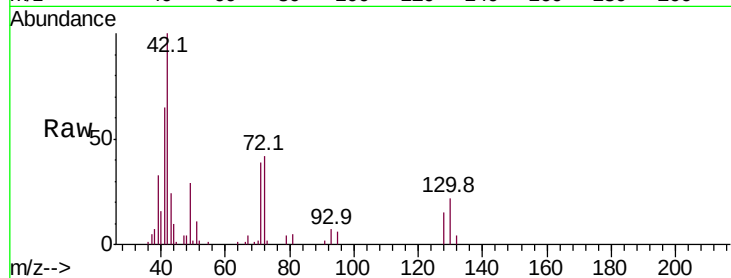




#41
Methacrylonitrile
Concen: 11.454 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

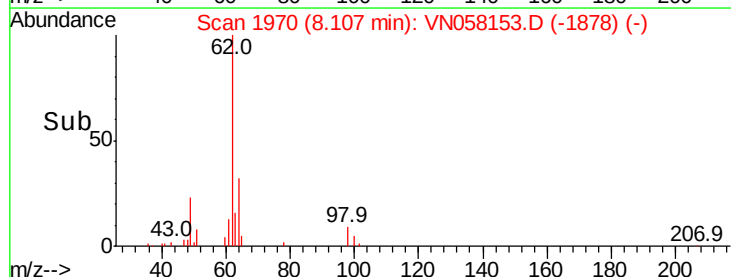
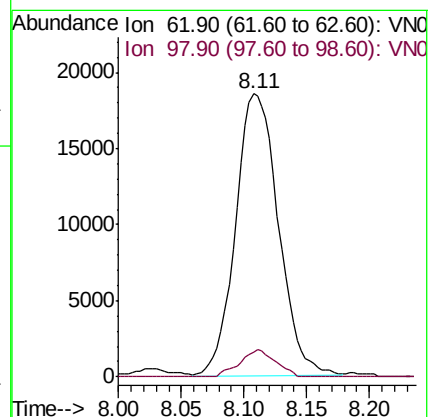
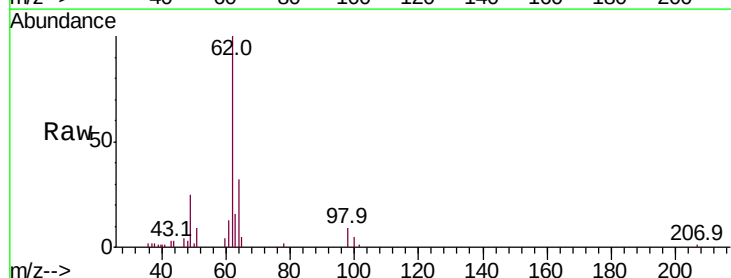
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

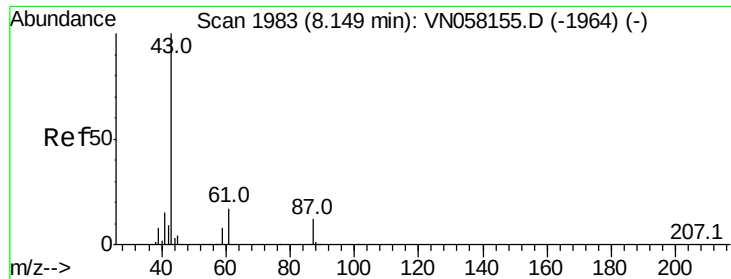
Tot Ion:	41	Resp:	50949
Ion	Ratio	Lower	Upper
41	100		
39	32.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 3.833 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:	62	Resp:	43819
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 3.913 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

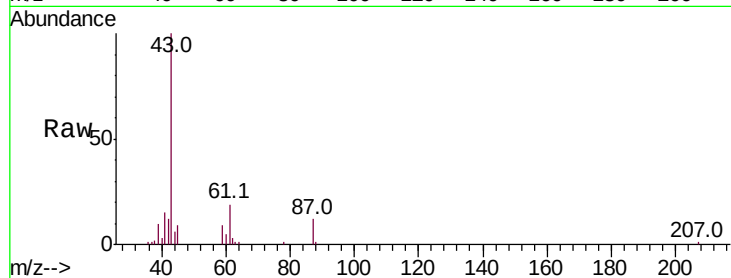
Tot Ion: 43 Resp: 64571

Ion Ratio Lower Upper

43 100

61 16.1 19.7 29.5#

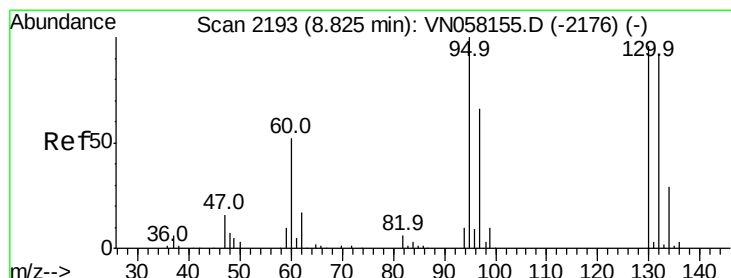
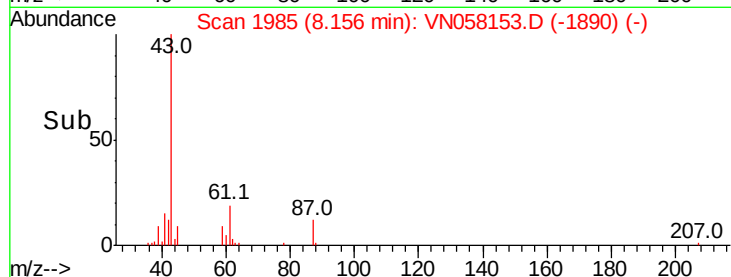
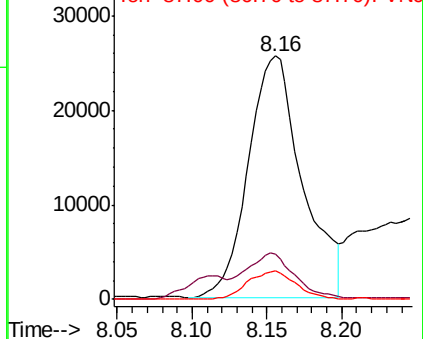
87 10.4 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058153.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058153.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058153.D (-1964) (-)



#44

Trichloroethene

Concen: 3.811 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058153.D

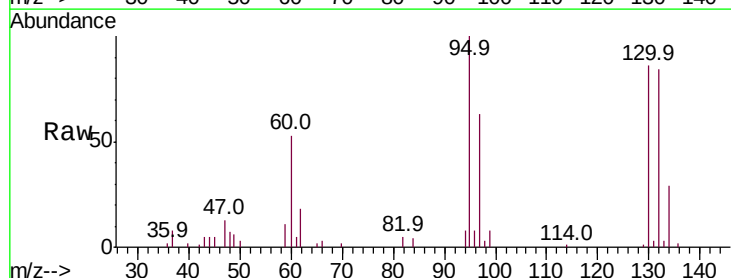
Acq: 18 Sep 2019 9:43

Tgt Ion: 130 Resp: 26713

Ion Ratio Lower Upper

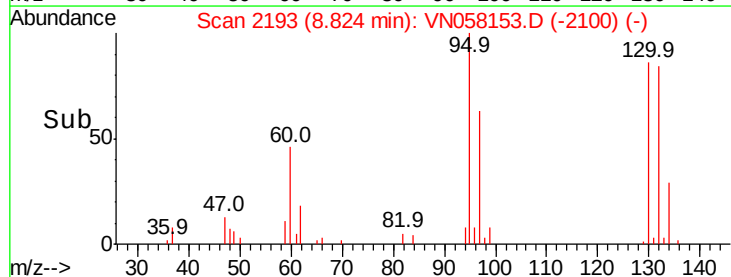
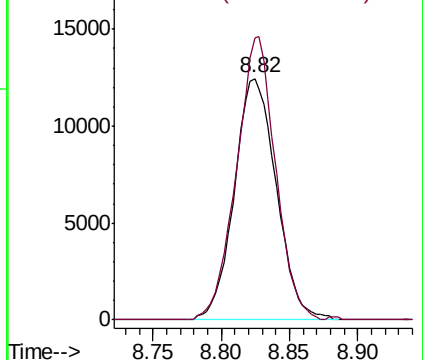
130 100

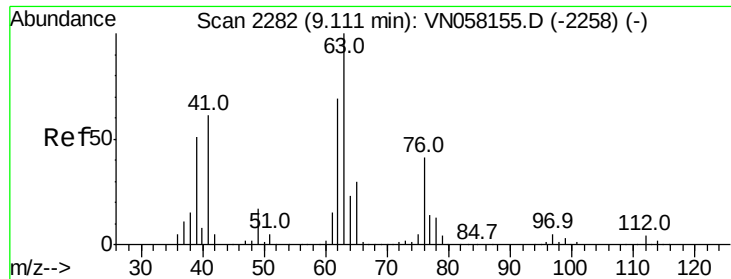
95 116.5 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058153.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058153.D (-2176) (-)

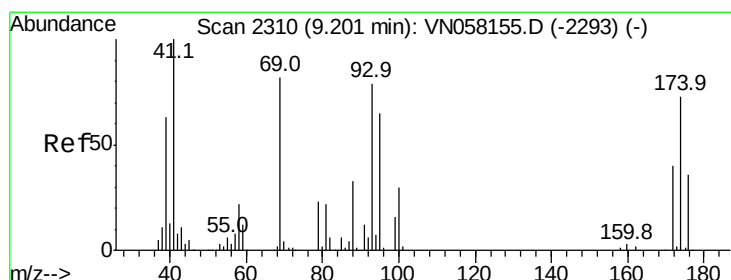
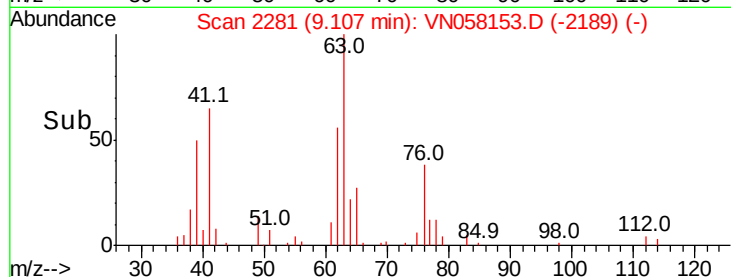
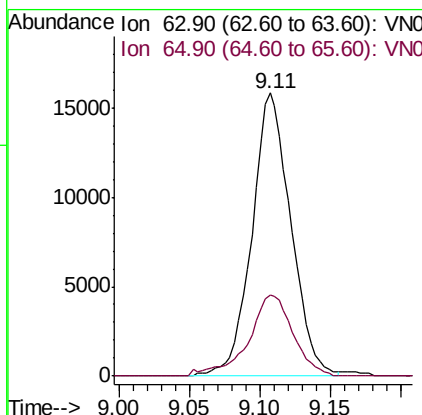
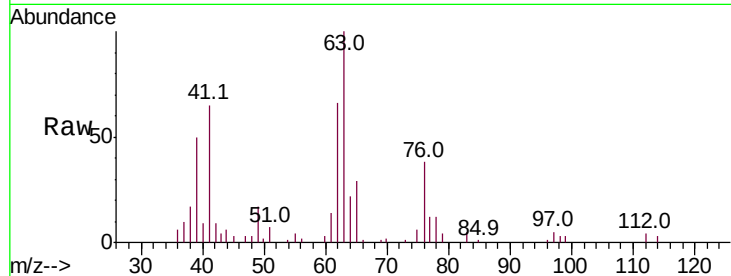




#45
 1,2-Dichloropropane
 Concen: 3.668 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

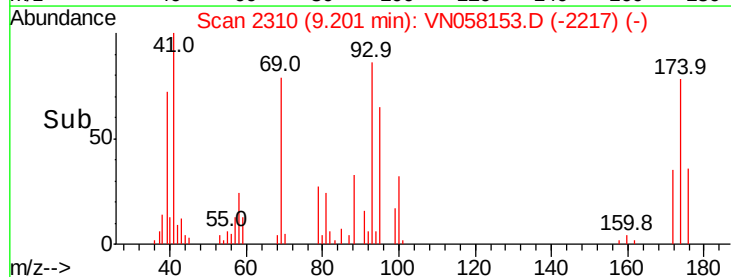
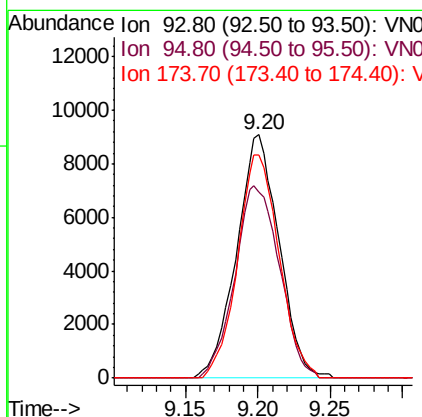
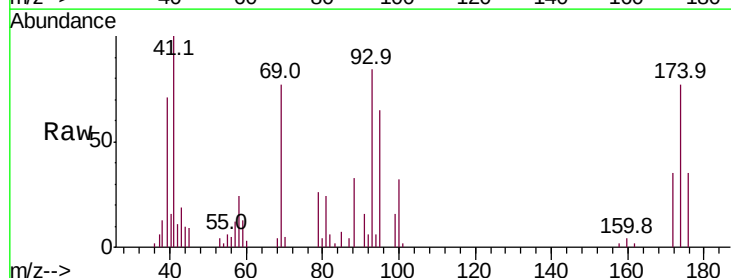
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

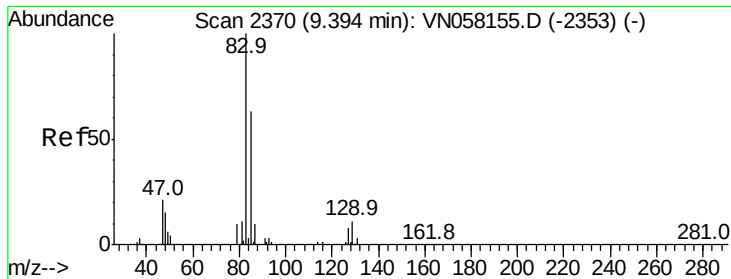
Tot Ion: 63 Resp: 30530
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.8 35.6



#46
 Dibromomethane
 Concen: 3.672 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 93 Resp: 18447
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.8 100.2
 174 89.8 73.8 110.8





#47

Bromodichloromethane

Concen: 3.444 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

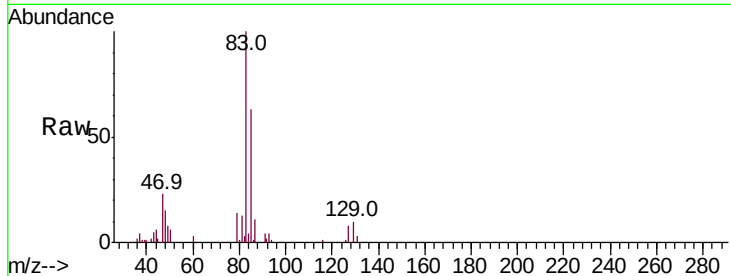
Tot Ion: 83 Resp: 34454

Ion Ratio Lower Upper

83 100

85 63.1 50.1 75.1

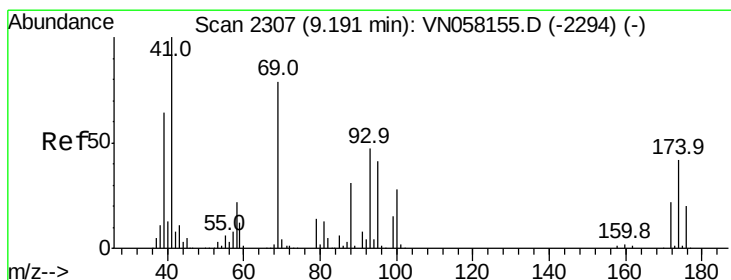
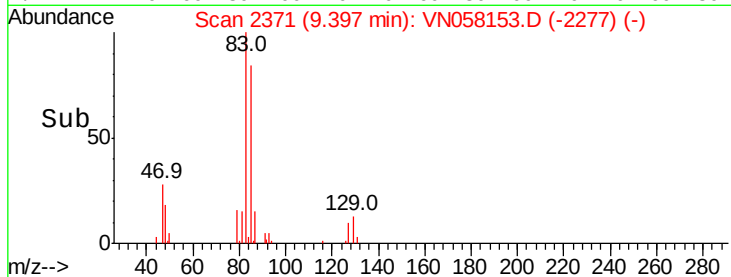
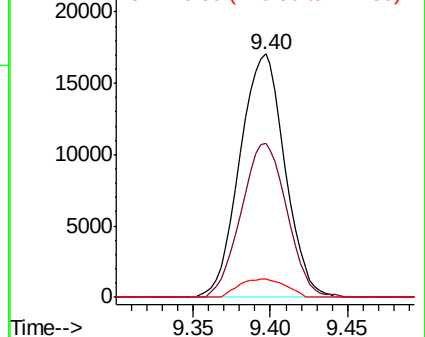
127 7.6 6.4 9.6



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: 3.282 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

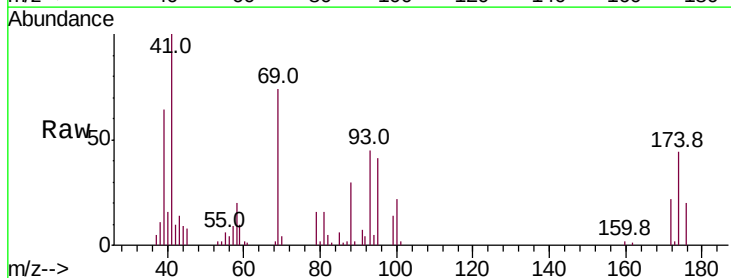
Tgt Ion: 41 Resp: 27322

Ion Ratio Lower Upper

41 100

69 78.2 62.5 93.7

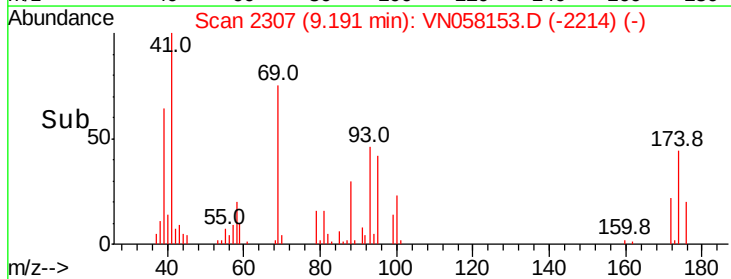
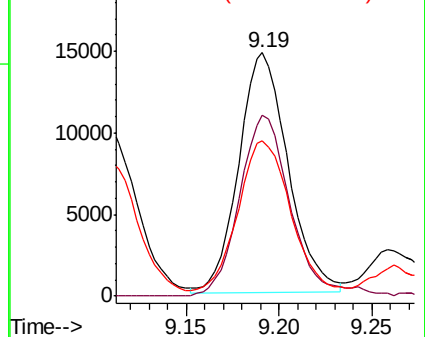
39 71.7 52.3 78.5

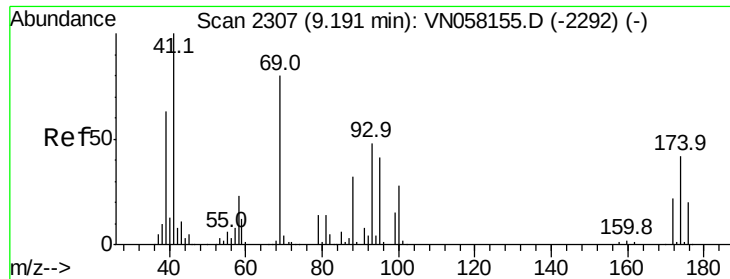


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

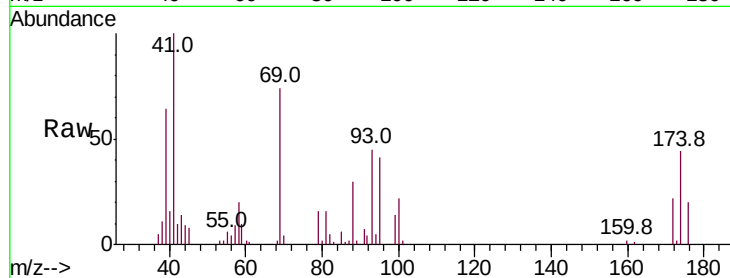




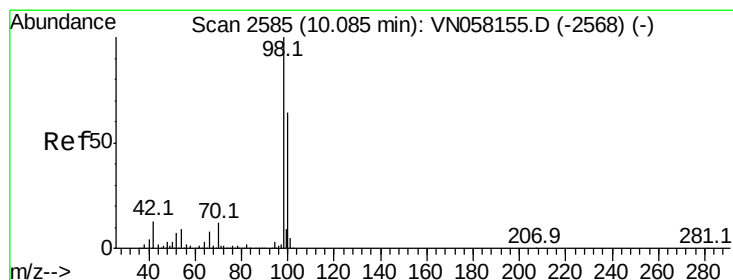
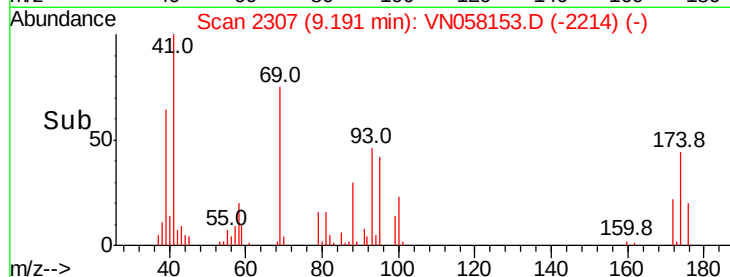
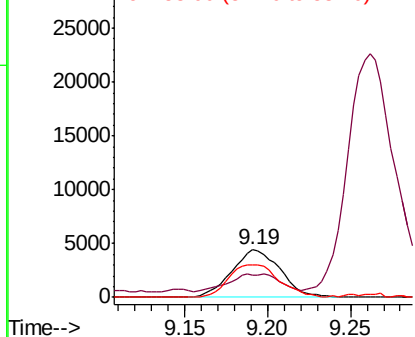
#49
1,4-Dioxane
Concen: 63.413 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 8970
Ion Ratio Lower Upper
88 100
43 35.9 27.8 41.8
58 72.0 55.0 82.4

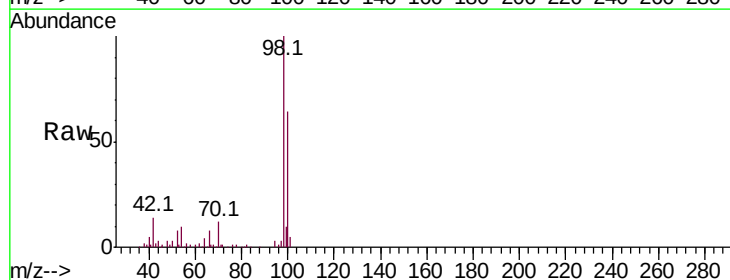


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

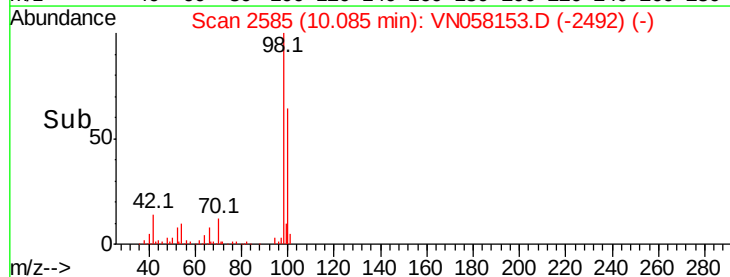
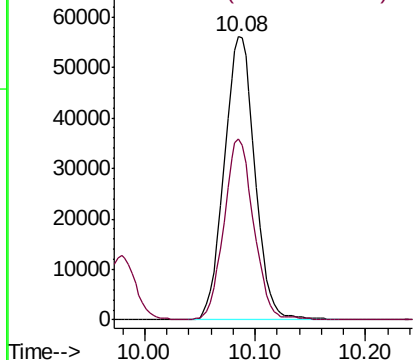


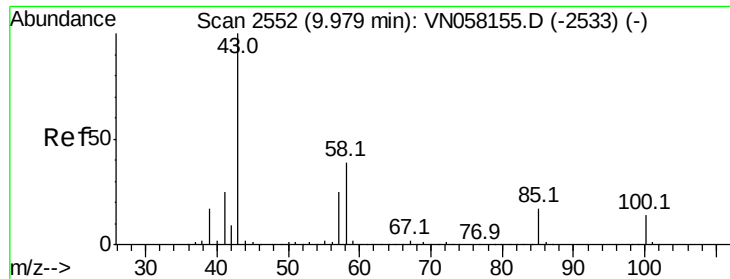
#50
Toluene-d8
Concen: 3.708 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 98 Resp: 107739
Ion Ratio Lower Upper
98 100
100 62.2 51.1 76.7



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: 17.573 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

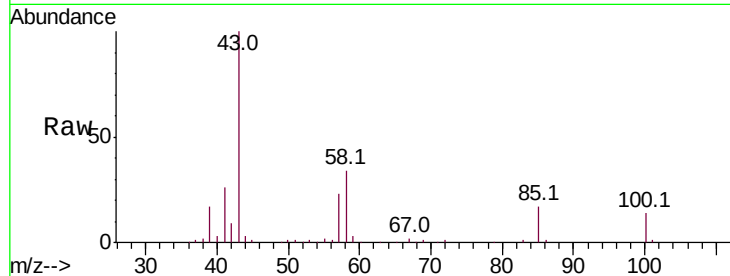
VSTDIC005

Tot Ion: 43 Resp: 169691

Ion Ratio Lower Upper

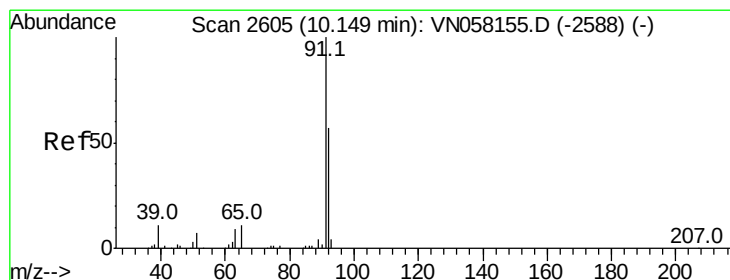
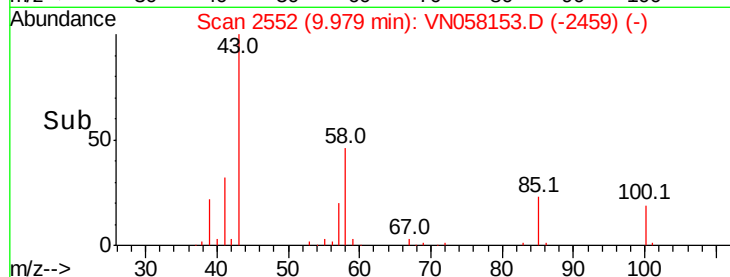
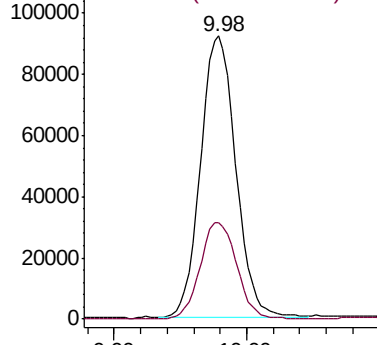
43 100

58 35.7 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 3.610 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058153.D

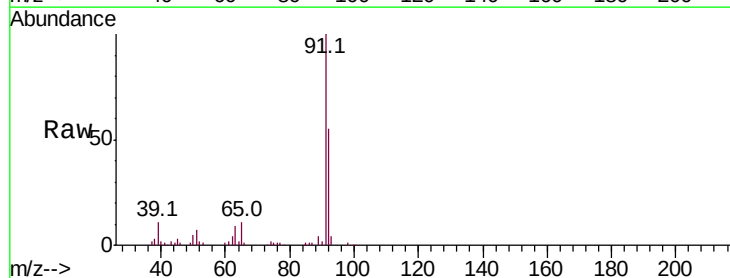
Acq: 18 Sep 2019 9:43

Tgt Ion: 92 Resp: 64713

Ion Ratio Lower Upper

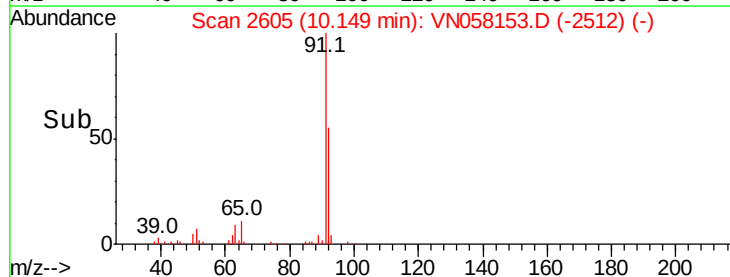
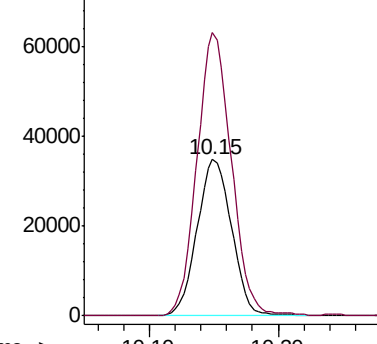
92 100

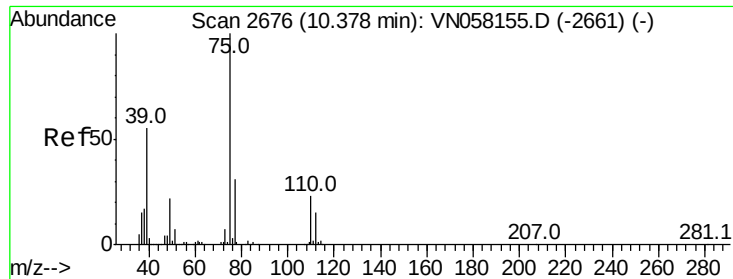
91 179.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 3.073 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

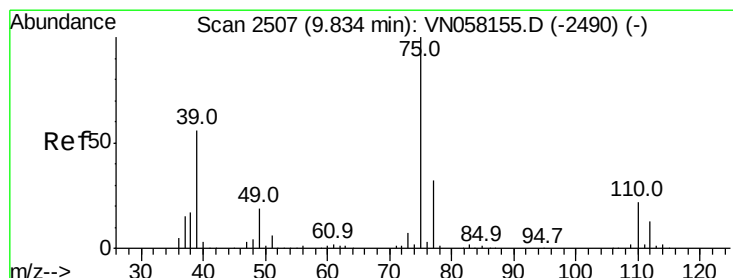
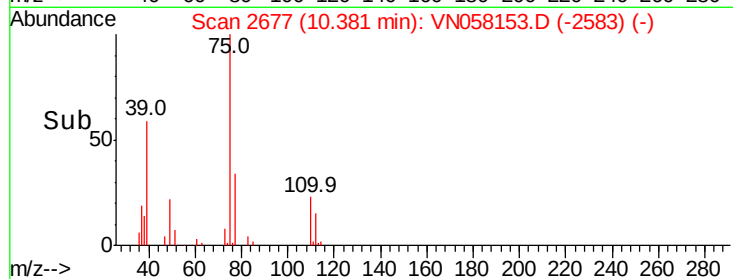
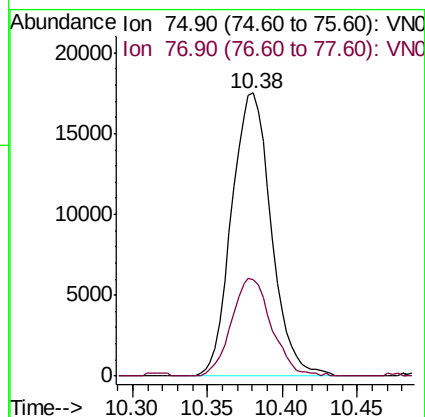
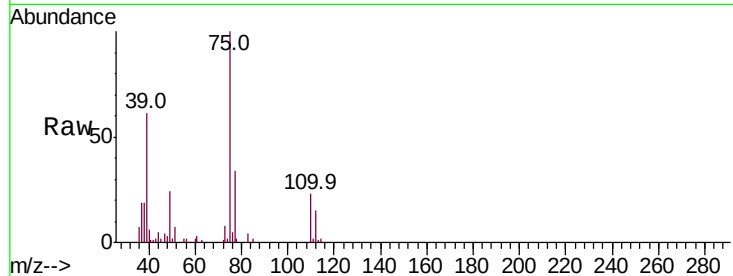
VSTDIC005

Tot Ion: 75 Resp: 32305

Ion Ratio Lower Upper

75 100

77 34.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 3.386 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

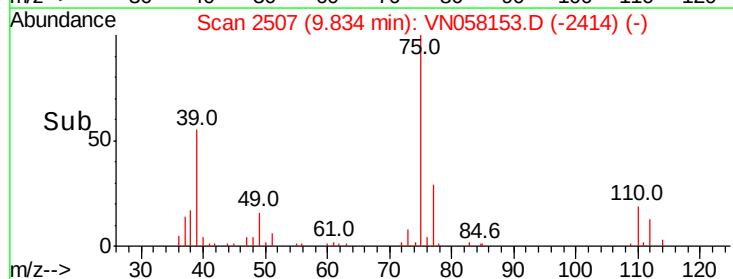
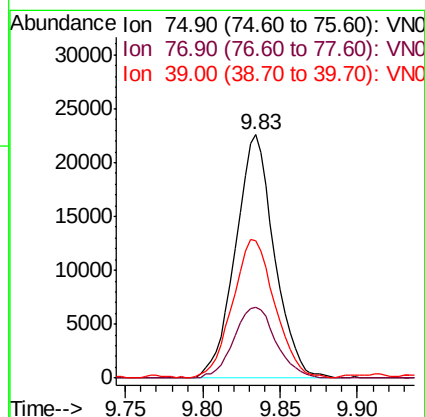
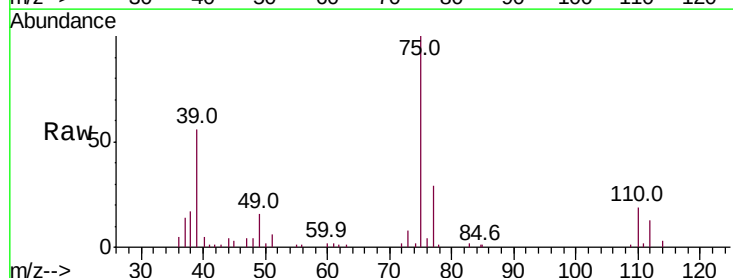
Tgt Ion: 75 Resp: 39325

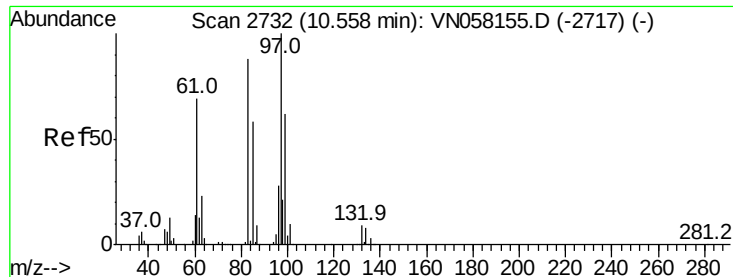
Ion Ratio Lower Upper

75 100

77 28.8 25.4 38.0

39 56.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 3.537 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

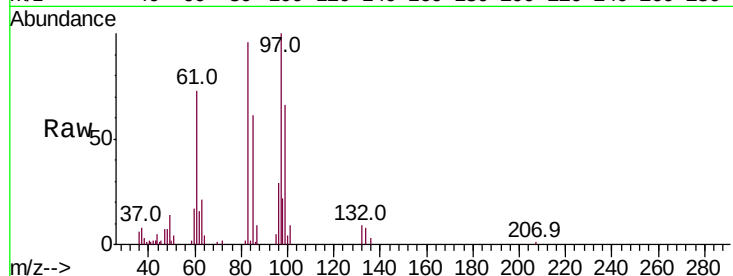
MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 26895

Ion	Ratio	Lower	Upper
97	100		
83	95.7	70.4	105.6
85	61.1	46.8	70.2
99	65.6	49.9	74.9



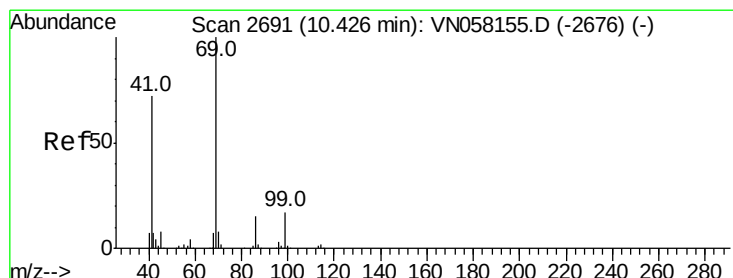
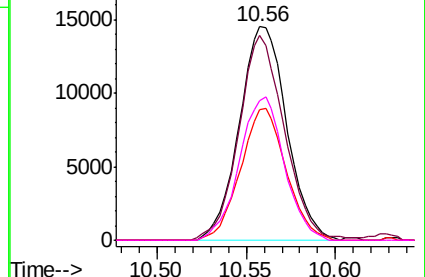
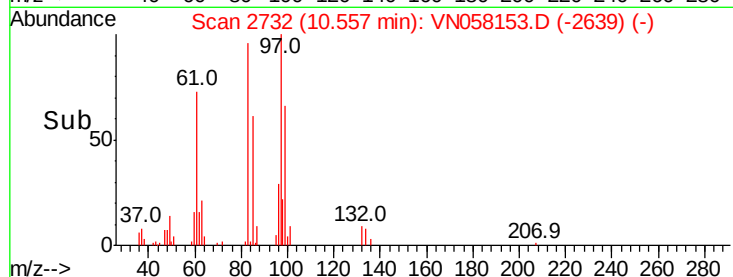
Abundance

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: 3.244 ug/l

RT: 10.43 min Scan# 2691

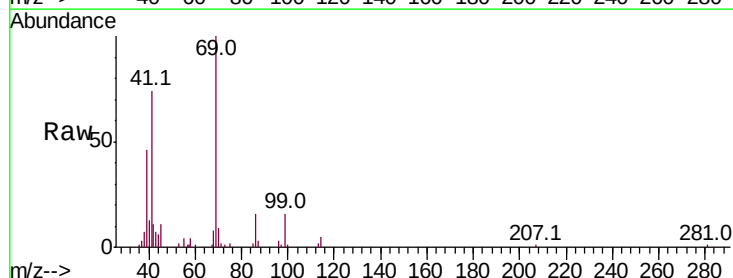
Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion: 69 Resp: 36958

Ion	Ratio	Lower	Upper
69	100		
41	75.6	57.5	86.3
39	47.7	36.1	54.1

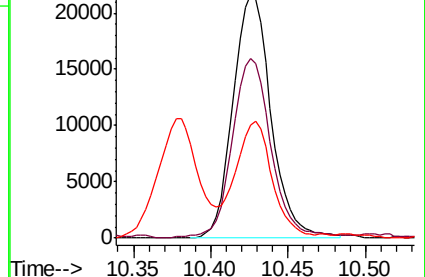
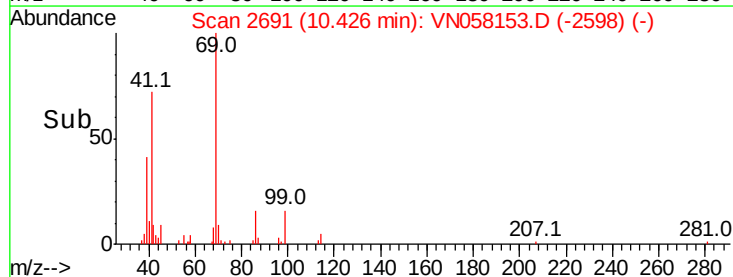


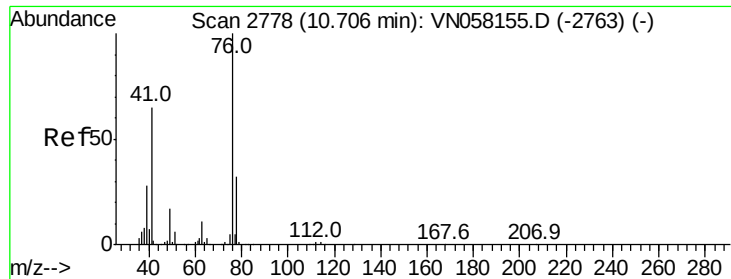
Abundance

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: 3.593 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

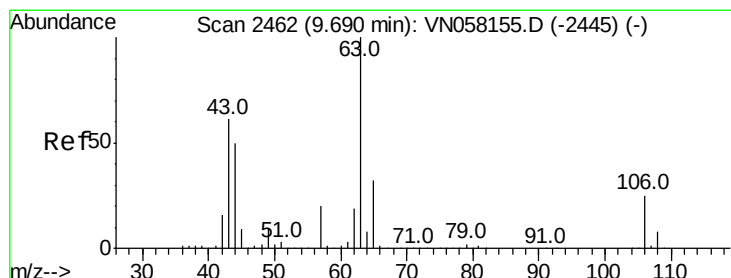
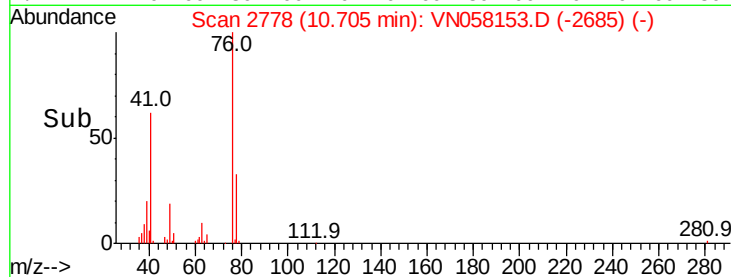
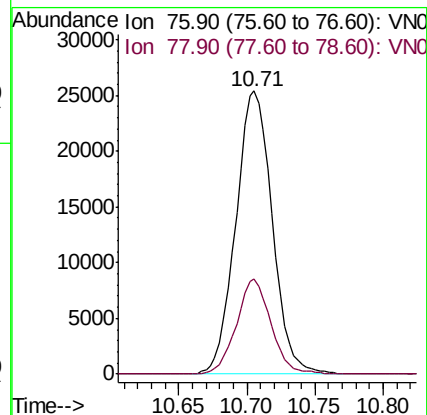
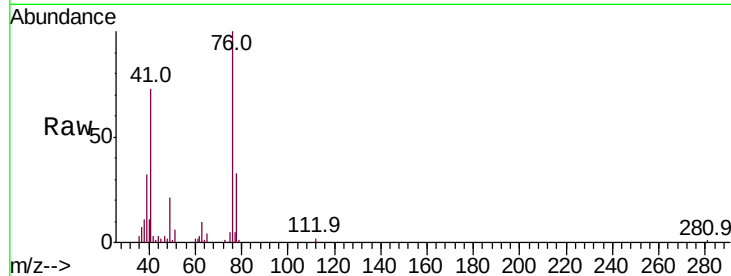
VSTDIC005

Tot Ion: 76 Resp: 47097

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 15.992 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058153.D

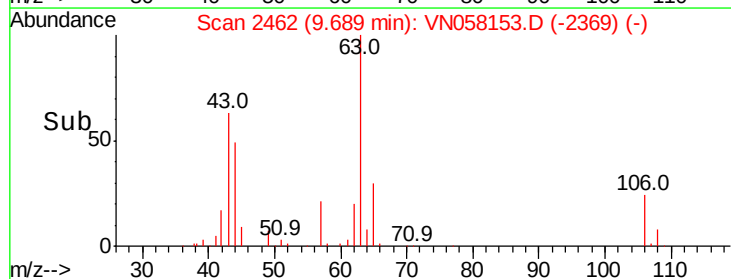
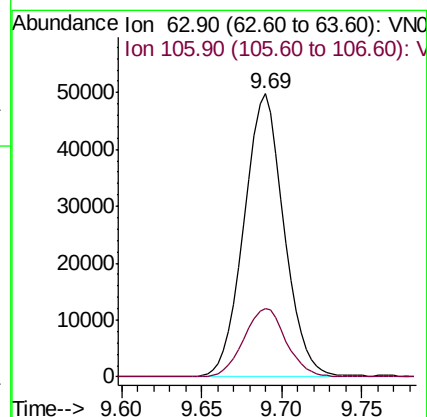
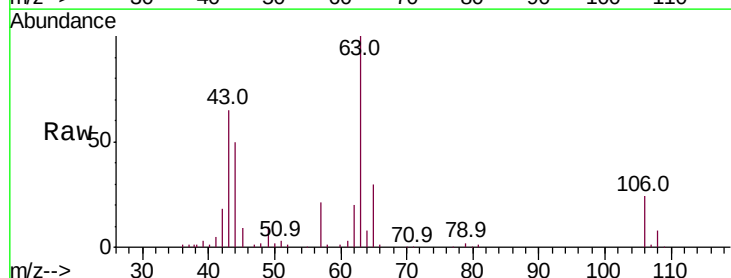
Acq: 18 Sep 2019 9:43

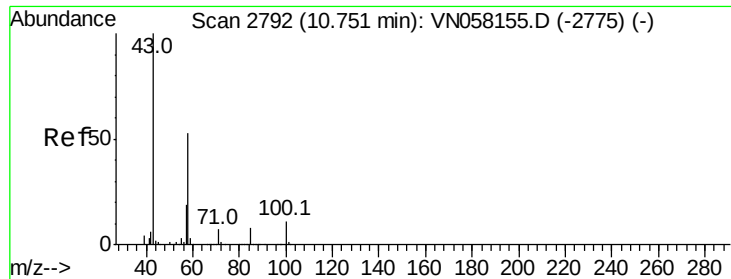
Tgt Ion: 63 Resp: 84987

Ion Ratio Lower Upper

63 100

106 25.5 19.9 29.9

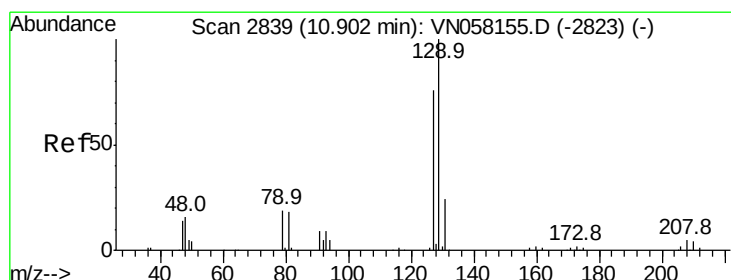
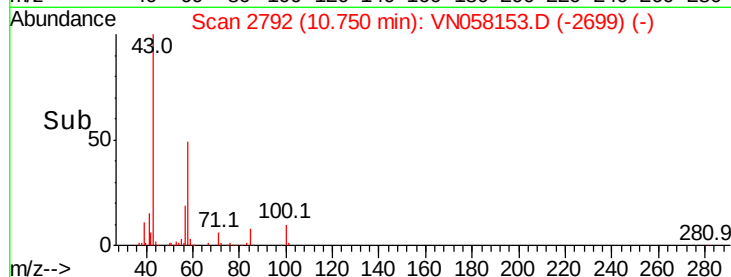
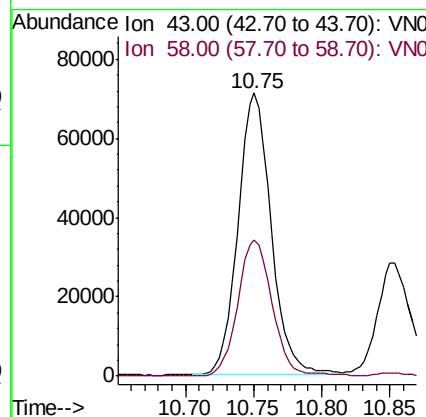
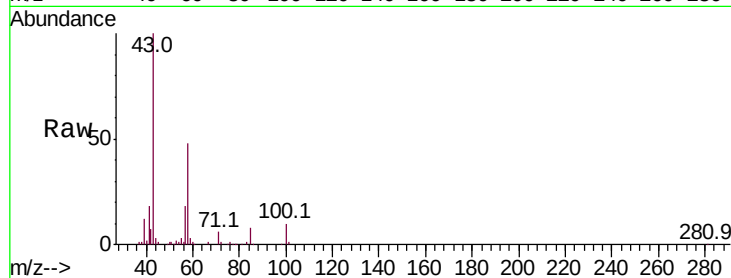




#59
2-Hexanone
Concen: 16.627 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

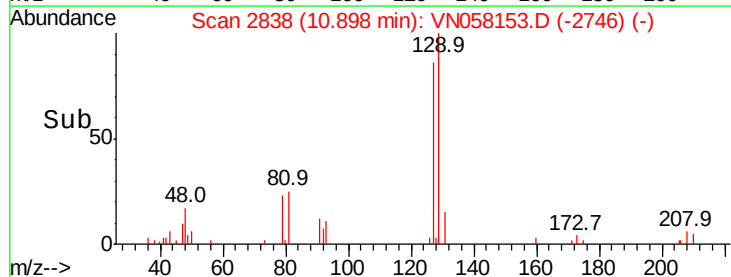
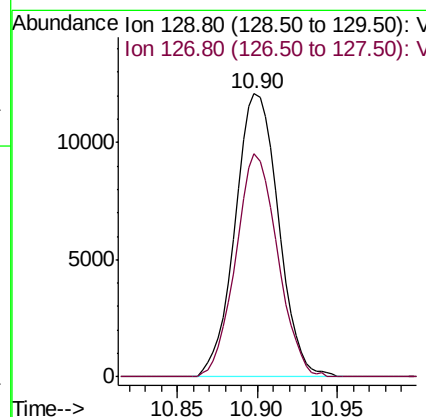
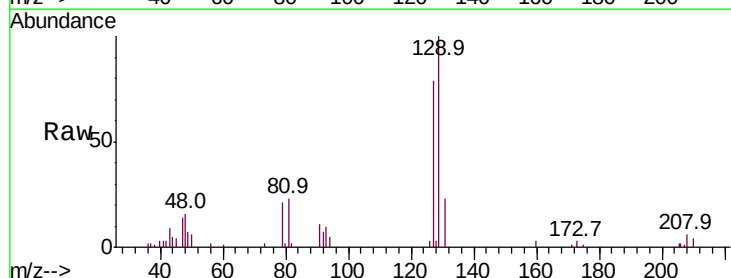
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

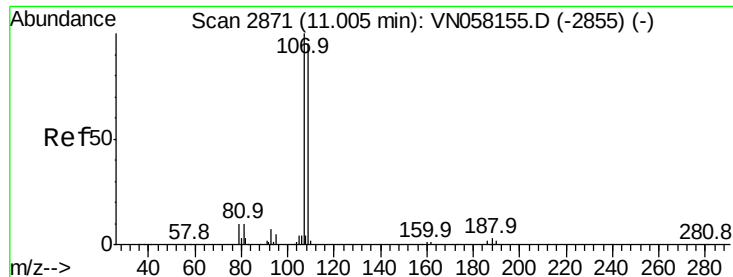
Tot Ion: 43 Resp: 120039
Ion Ratio Lower Upper
43 100
58 50.4 26.0 78.0



#60
Dibromochloromethane
Concen: 3.165 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 129 Resp: 22316
Ion Ratio Lower Upper
129 100
127 76.2 38.7 116.1

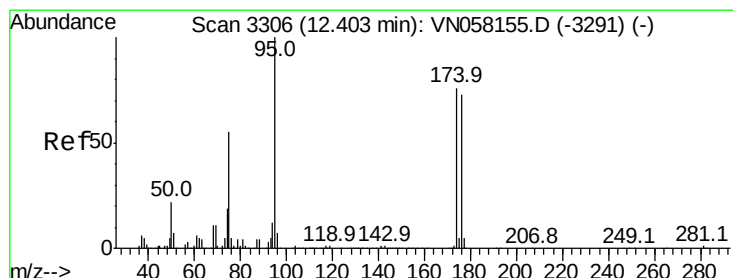
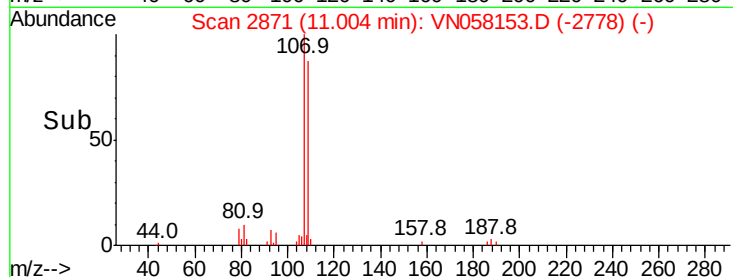
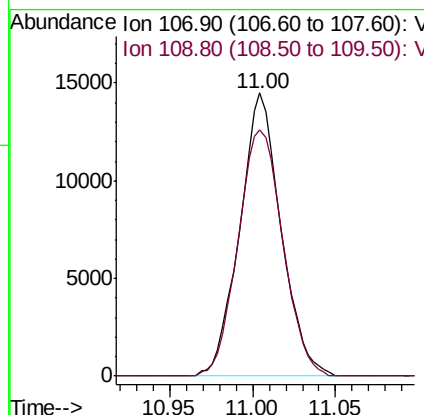
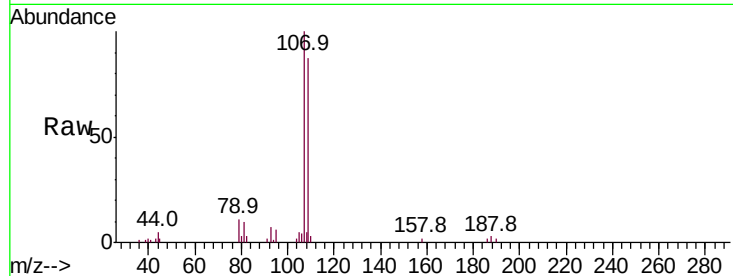




#61
 1,2-Dibromoethane
 Concen: 3.494 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

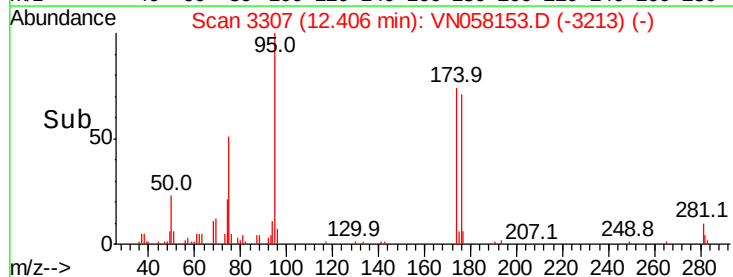
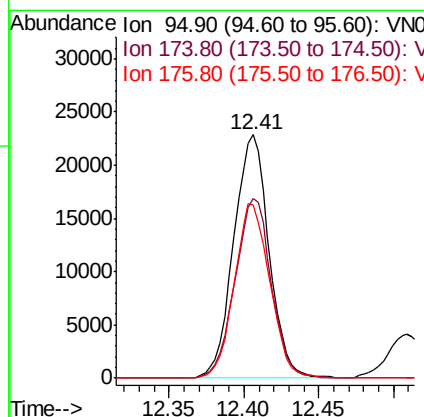
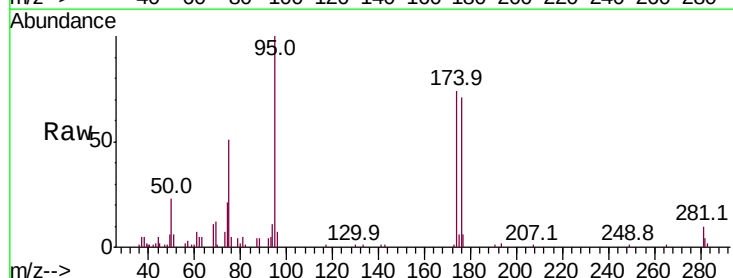
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

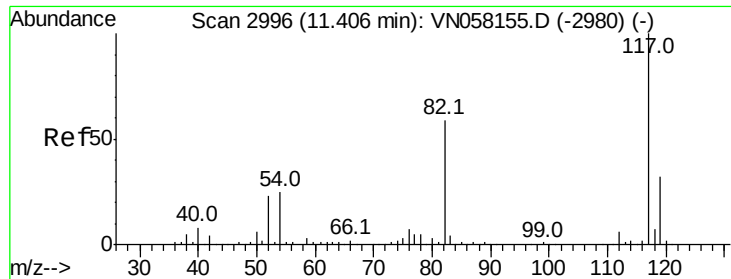
Tot Ion:107 Resp: 25046
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 3.361 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion: 95 Resp: 37554
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 152.2
 176 72.1 0.0 148.0

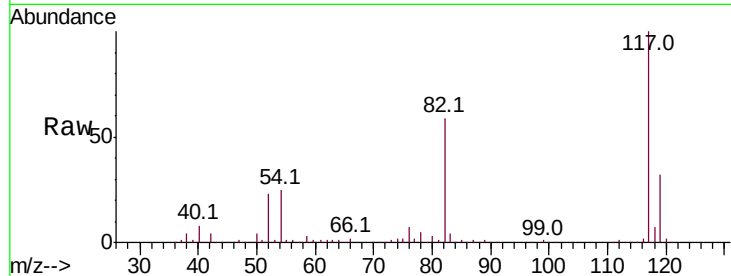




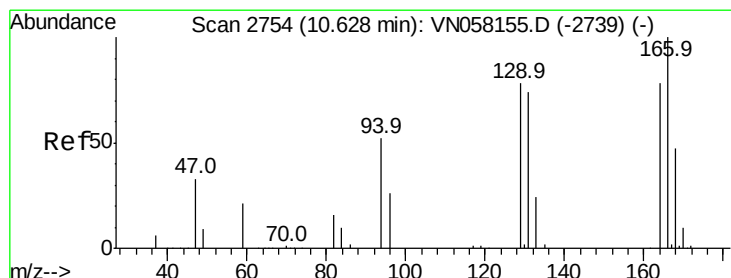
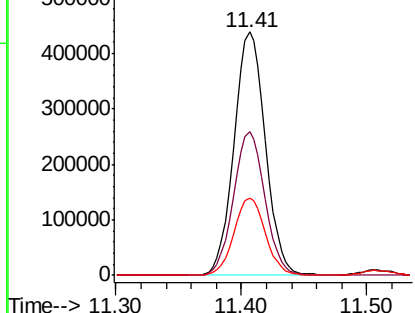
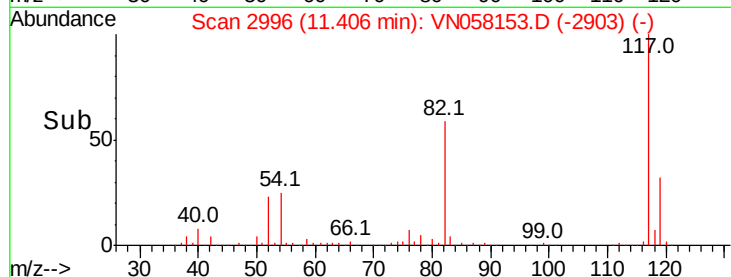
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 762644
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 31.9 25.3 37.9

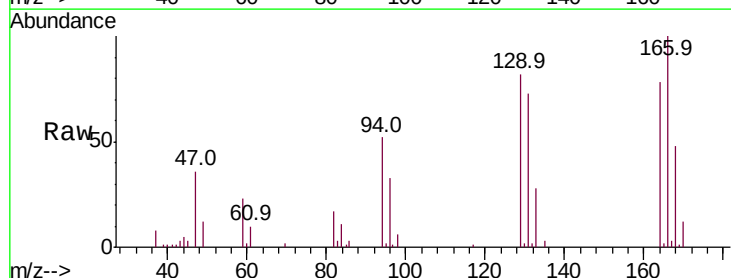


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

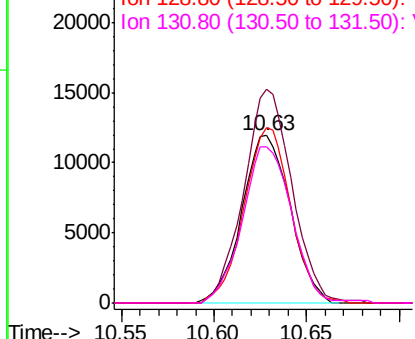
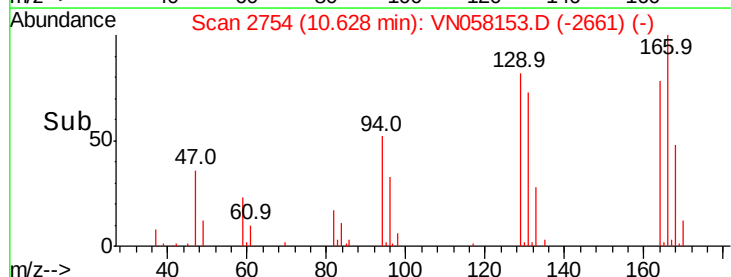


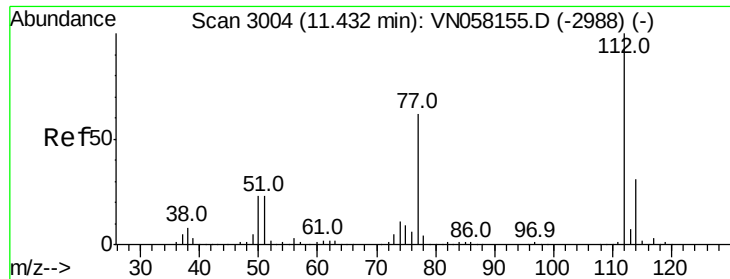
#64
Tetrachloroethene
Concen: 4.068 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:164 Resp: 21636
Ion Ratio Lower Upper
164 100
166 127.5 102.2 153.4
129 104.3 79.6 119.4
131 93.5 76.0 114.0



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

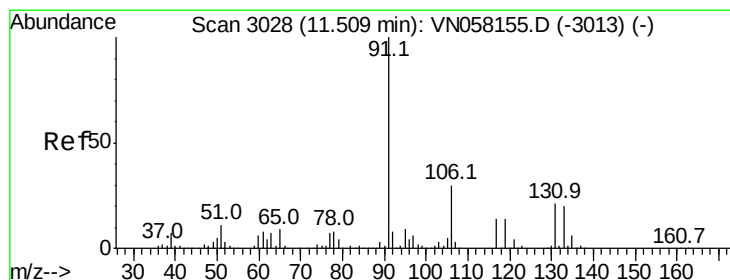
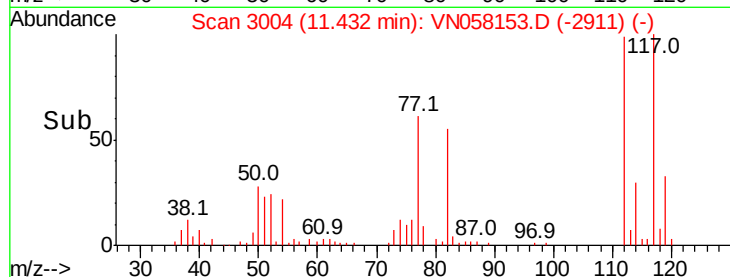
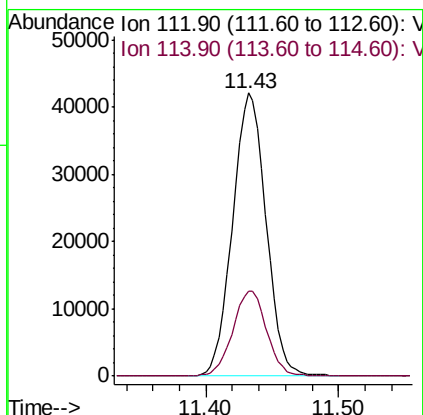
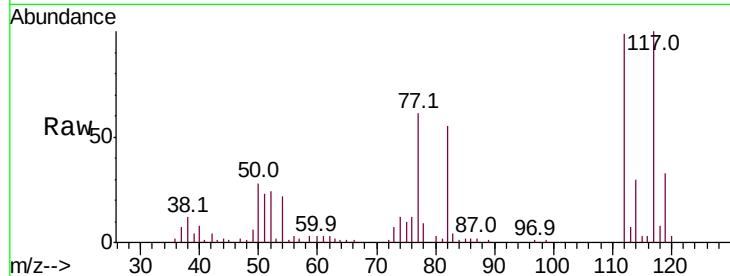




#65
Chlorobenzene
Concen: 3.925 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

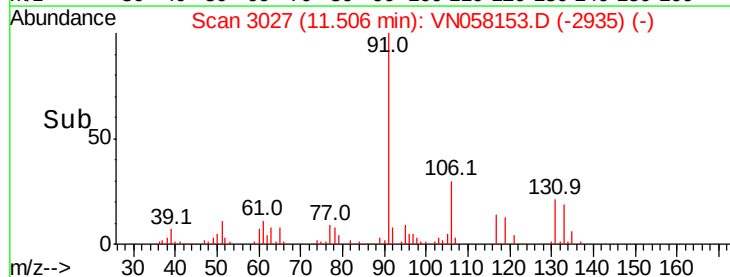
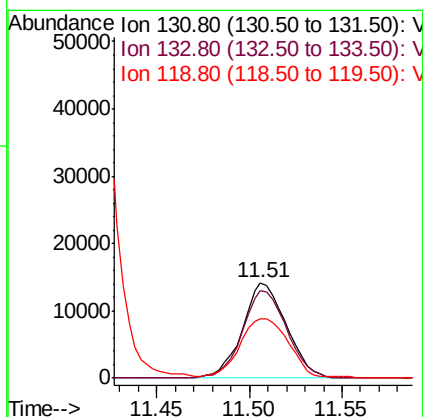
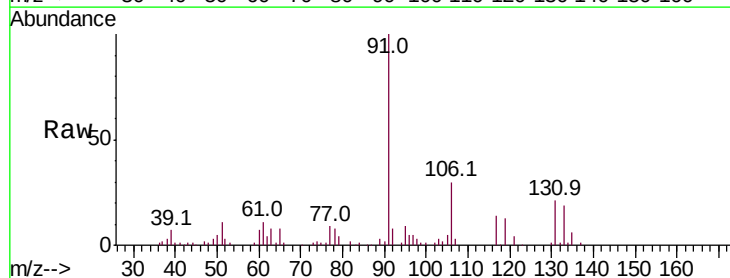
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

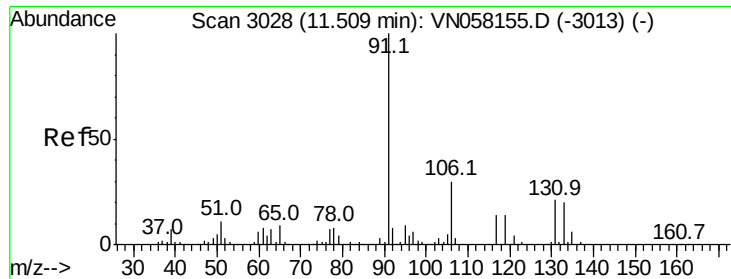
Tot Ion:112 Resp: 73699
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 3.568 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:131 Resp: 23307
Ion Ratio Lower Upper
131 100
133 93.4 47.8 143.3
119 67.2 33.1 99.3

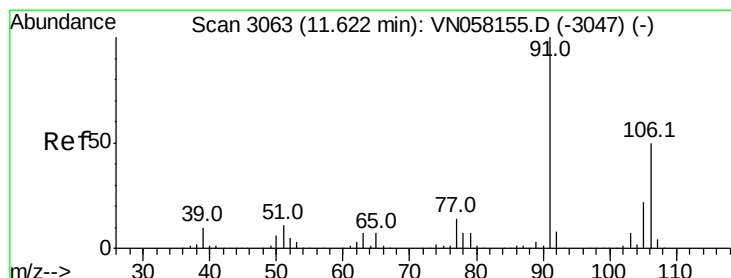
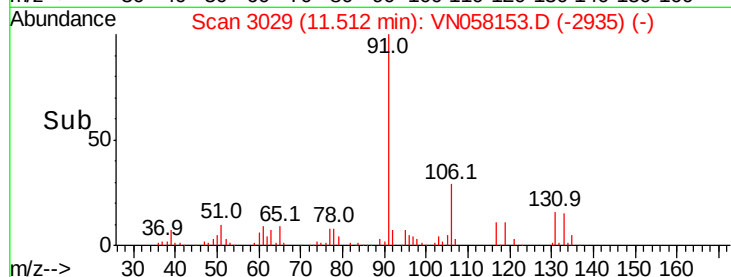
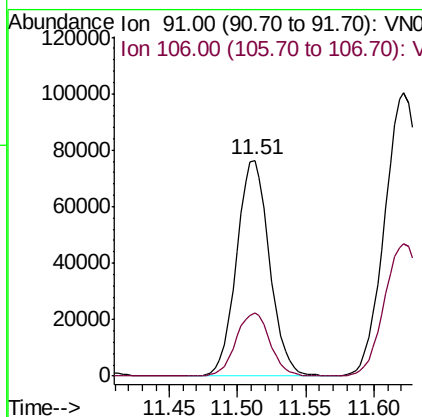
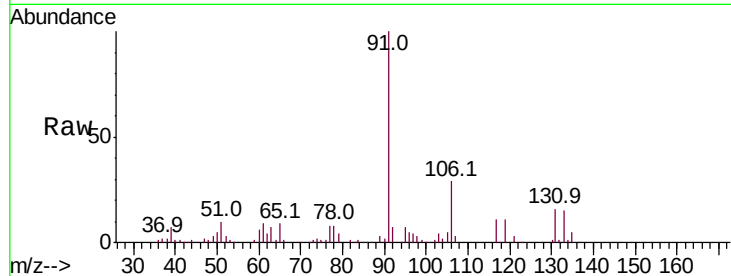




#67
Ethyl Benzene
Concen: 3.892 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

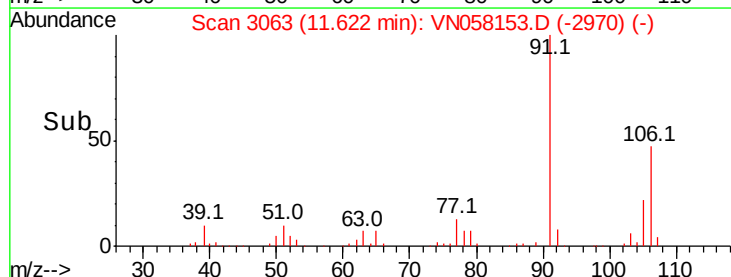
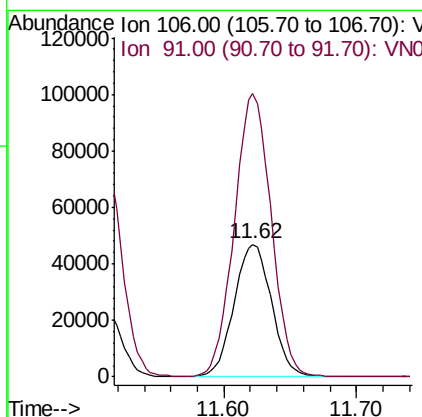
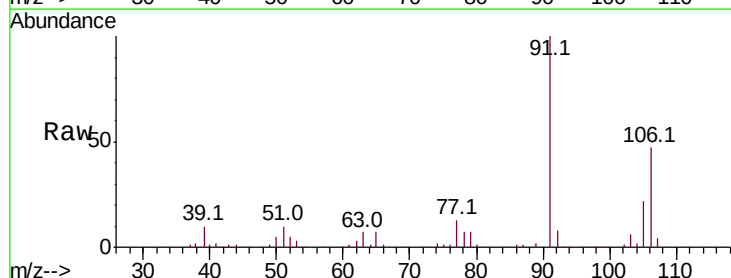
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

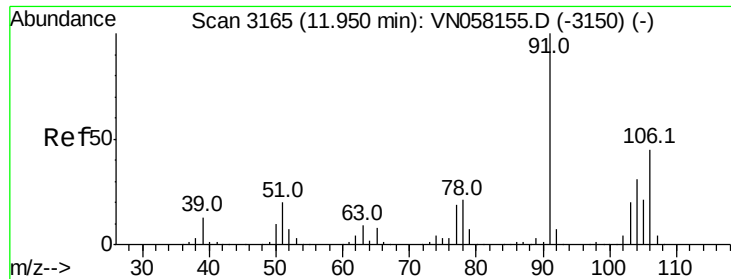
Tot Ion: 91 Resp: 127948
Ion Ratio Lower Upper
91 100
106 29.1 24.0 36.0



#68
m/p-Xylenes
Concen: 7.652 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 106 Resp: 92101
Ion Ratio Lower Upper
106 100
91 209.2 163.6 245.4

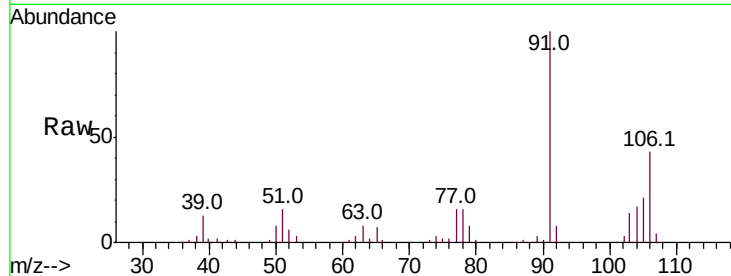




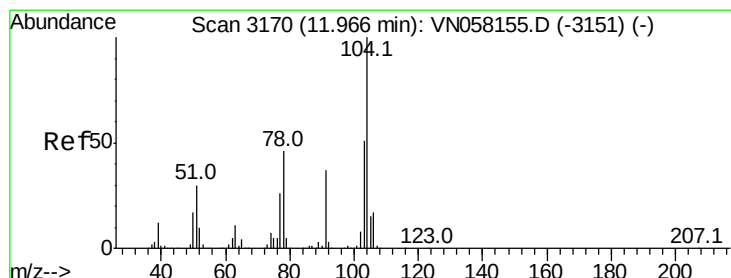
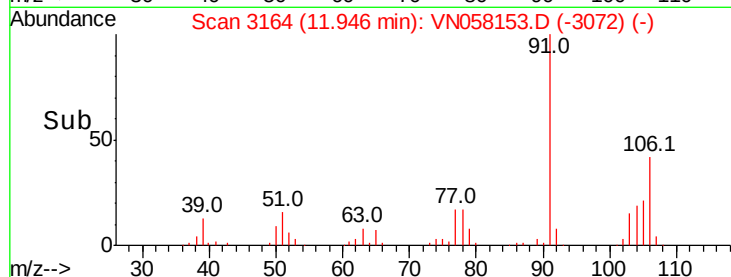
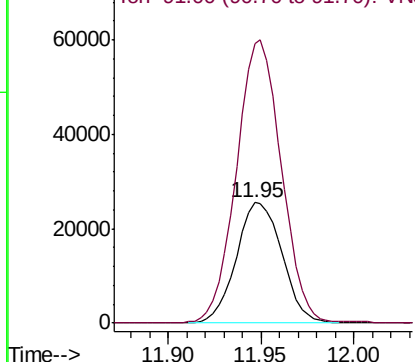
#69
o-Xylene
Concen: 3.669 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 43768
Ion Ratio Lower Upper
106 100
91 230.5 111.8 335.3

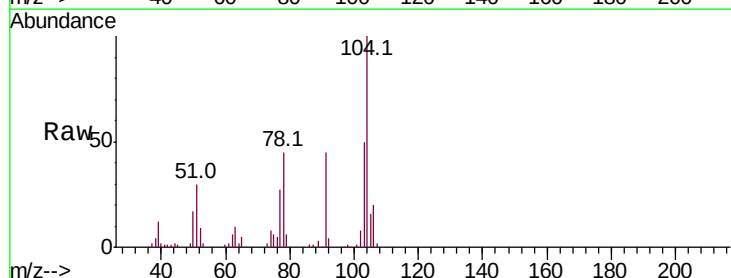


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

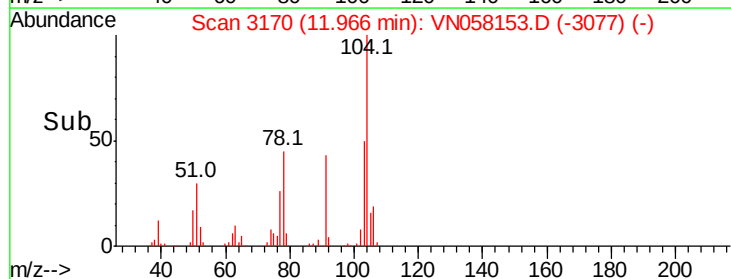
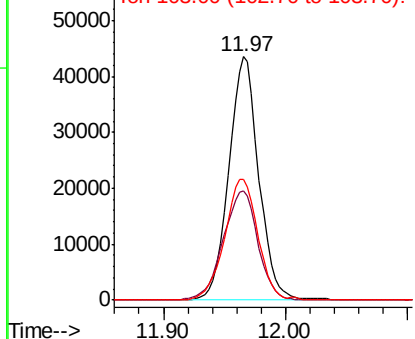


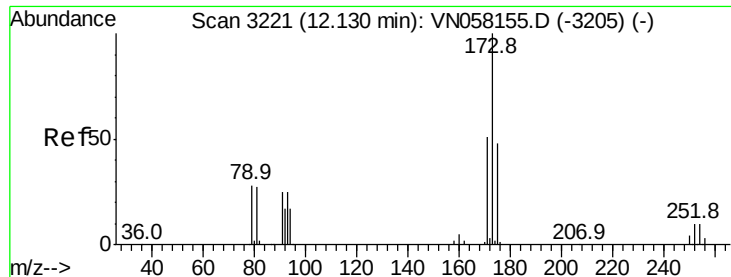
#70
Styrene
Concen: 3.630 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:104 Resp: 74517
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.8
103 55.0 44.2 66.2



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

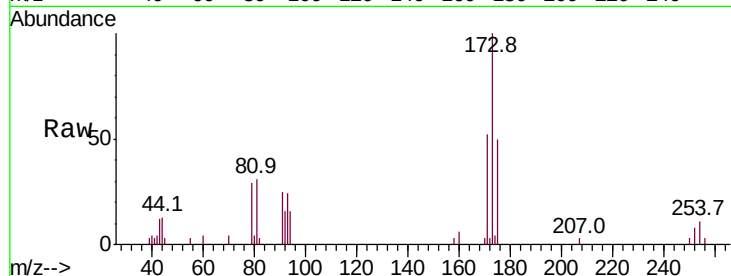




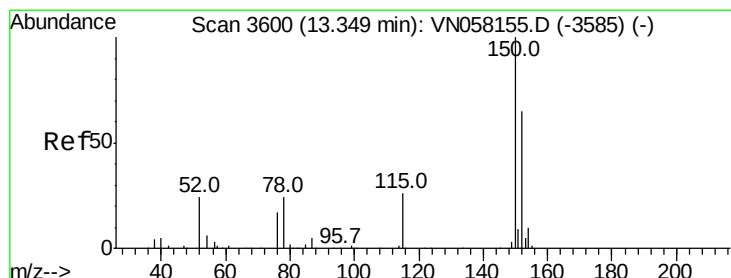
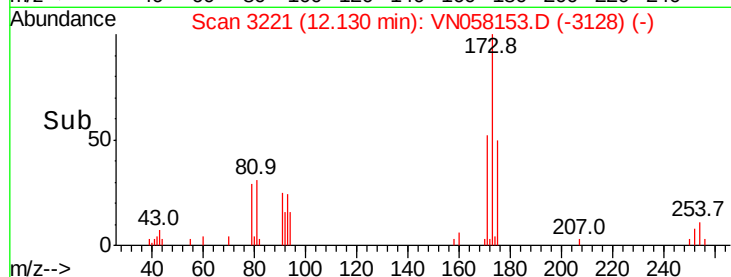
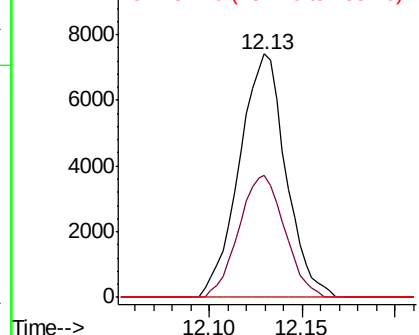
#71
Bromoform
Concen: 3.186 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 12925
Ion Ratio Lower Upper
173 100
175 49.2 24.2 72.6
254 0.0 0.1 0.1#

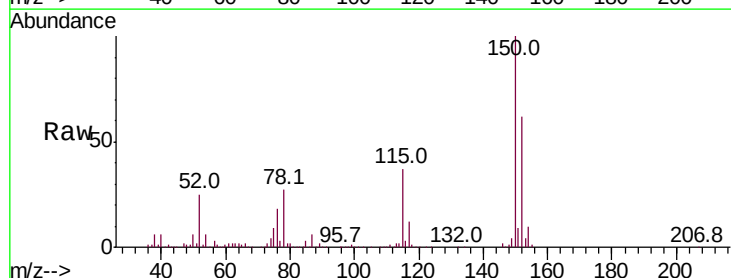


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

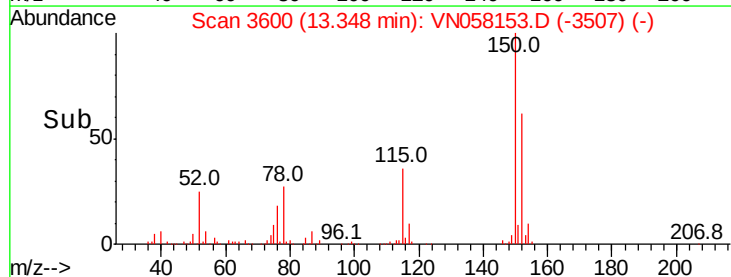
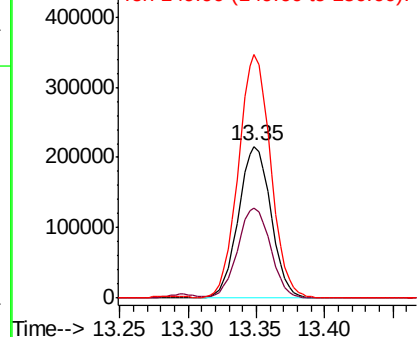


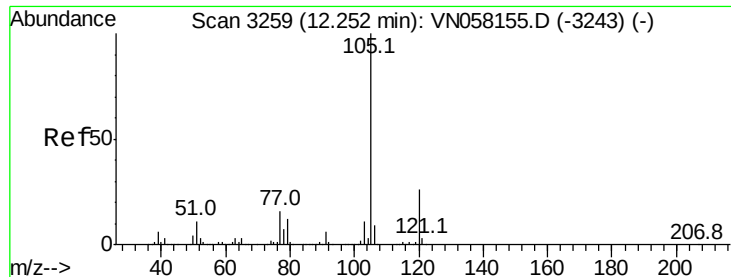
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion:152 Resp: 357482
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.3
150 158.4 0.0 346.4



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: 4.591 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

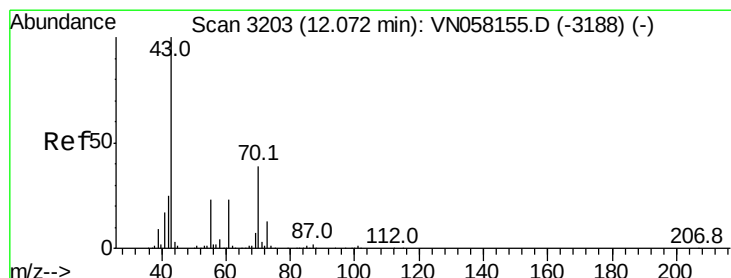
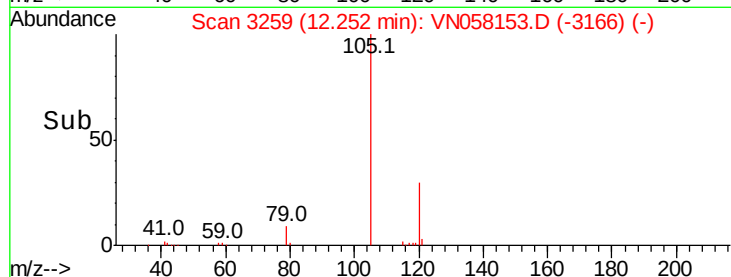
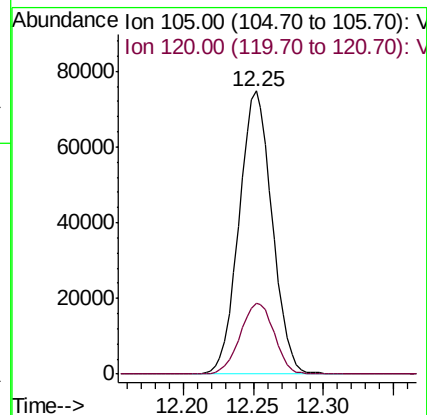
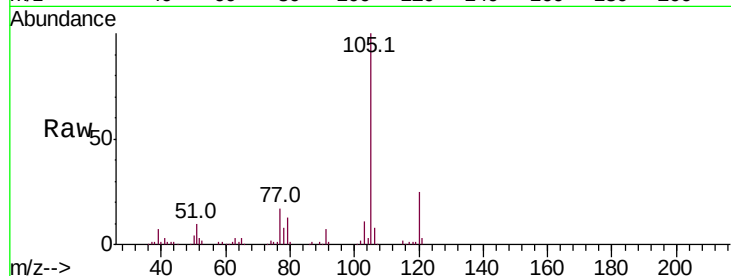
VSTDIC005

Tot Ion:105 Resp: 123000

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



#74

N-ethyl acetate

Concen: 3.868 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Tgt Ion: 43 Resp: 44843

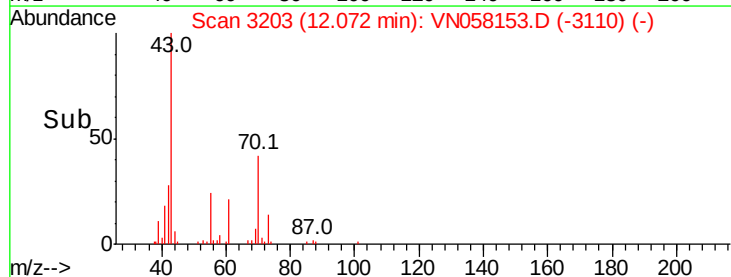
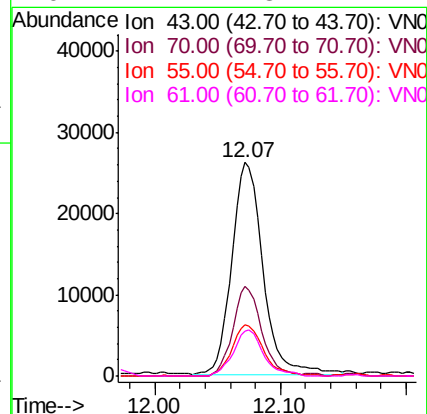
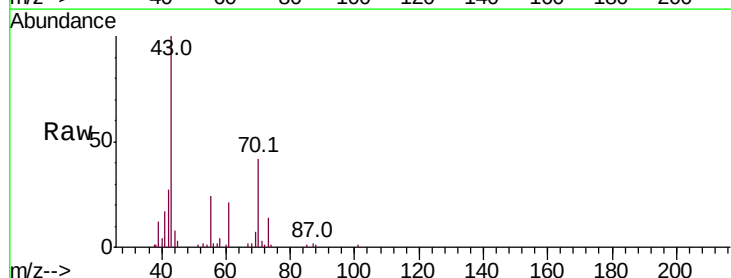
Ion Ratio Lower Upper

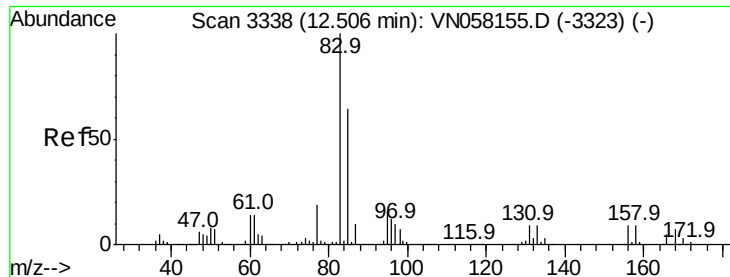
43 100

70 39.1 31.0 46.6

55 24.5 18.5 27.7

61 21.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.120 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

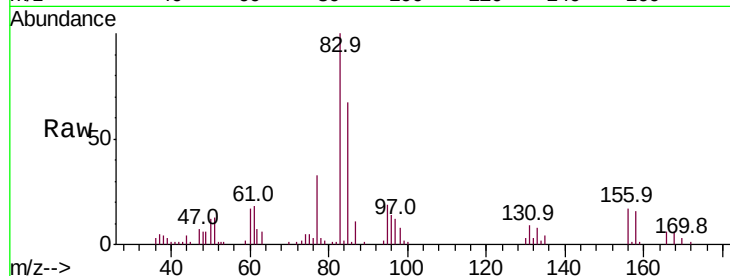
Tot Ion: 83 Resp: 37143

Ion Ratio Lower Upper

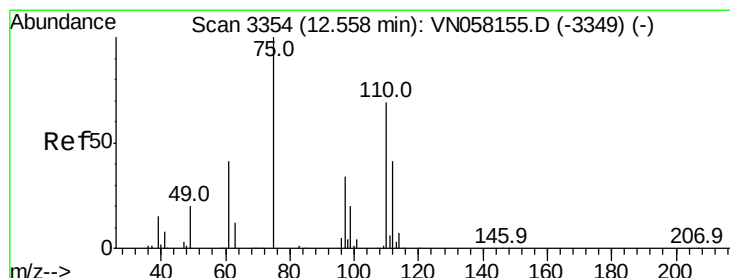
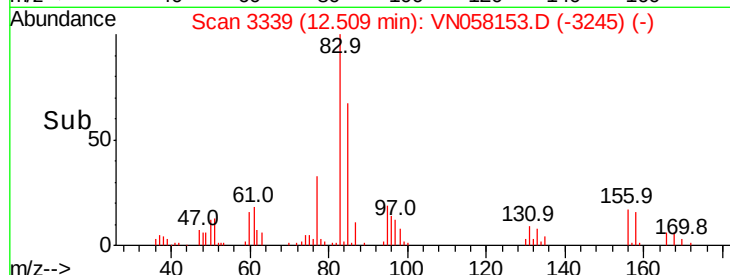
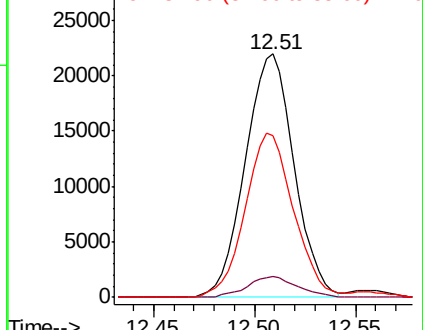
83 100

131 8.7 4.8 14.3

85 66.9 31.9 95.5



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



#76

1,2,3-Trichloropropane

Concen: 5.735 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058153.D

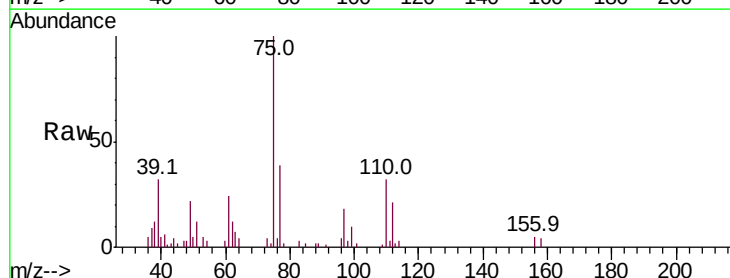
Acq: 18 Sep 2019 9:43

Tgt Ion: 75 Resp: 44487

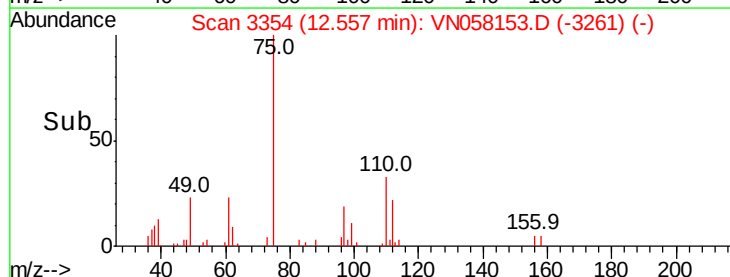
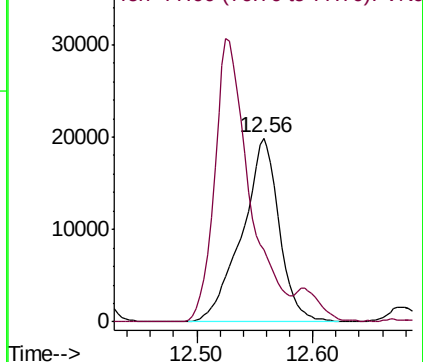
Ion Ratio Lower Upper

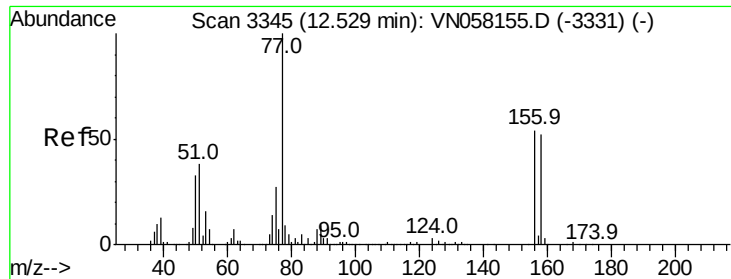
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 4.312 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

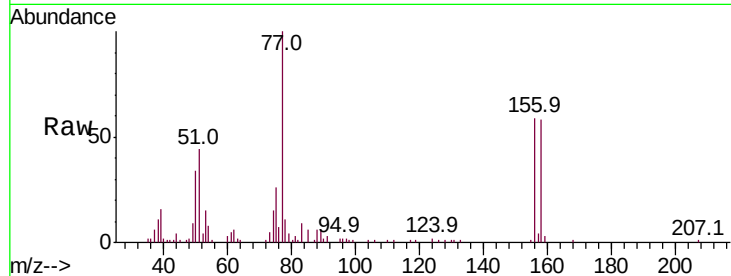
Tot Ion:156 Resp: 28960

Ion Ratio Lower Upper

156 100

77 221.3 111.7 335.1

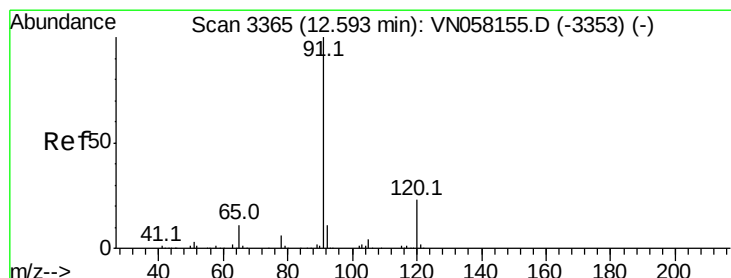
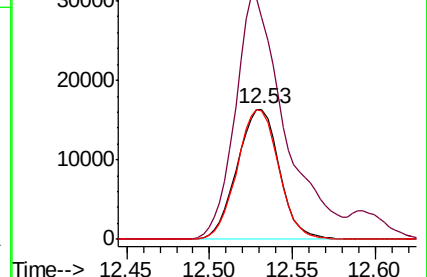
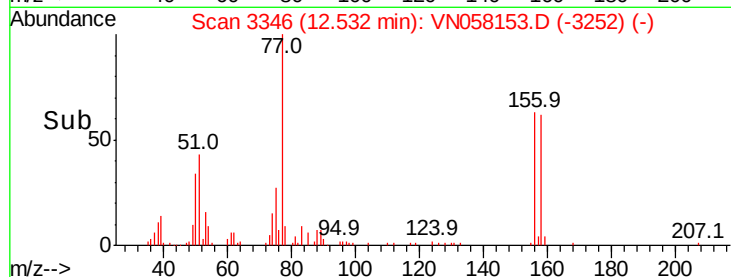
158 98.1 47.9 143.8



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: 4.644 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058153.D

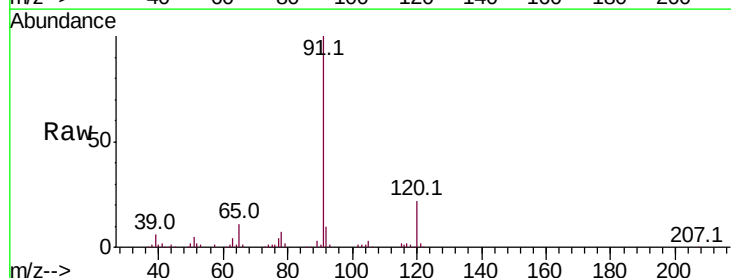
Acq: 18 Sep 2019 9:43

Tgt Ion: 91 Resp: 142674

Ion Ratio Lower Upper

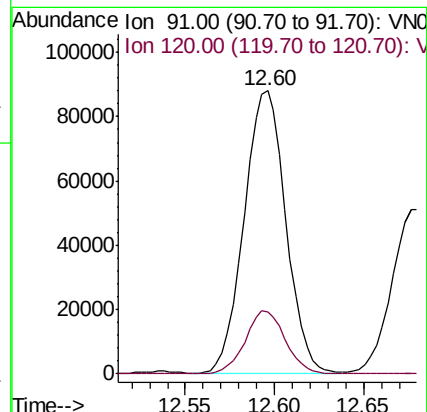
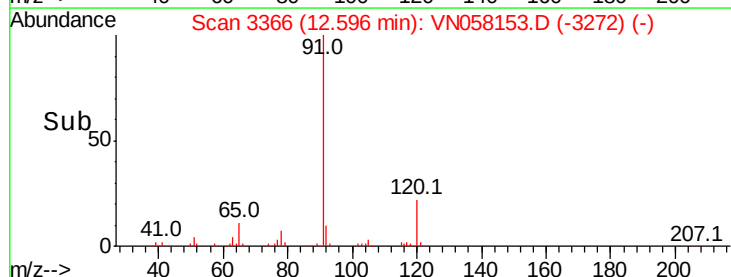
91 100

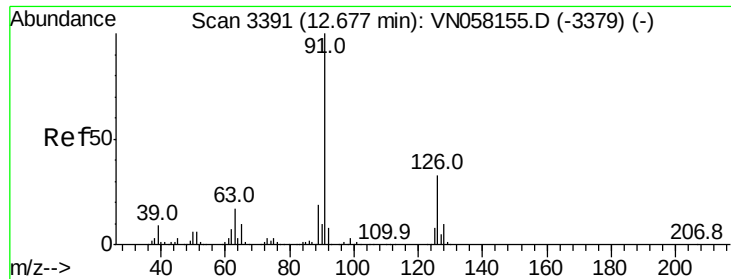
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.418 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

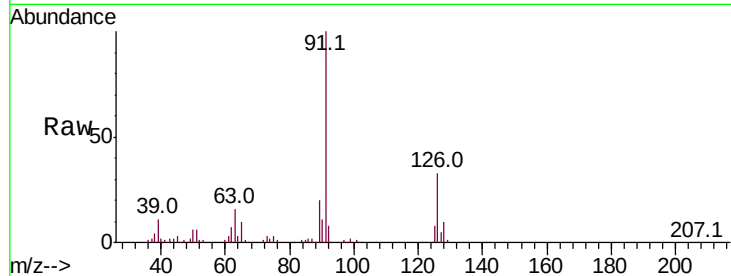
VSTDIC005

Tot Ion: 91 Resp: 85991

Ion Ratio Lower Upper

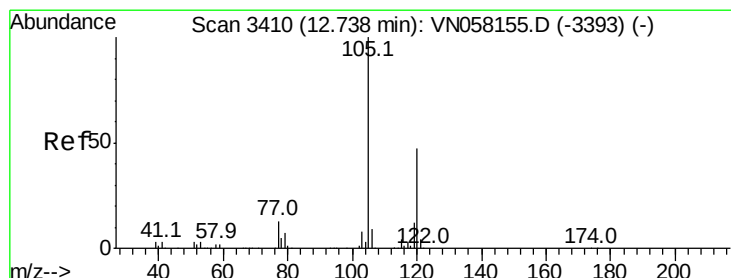
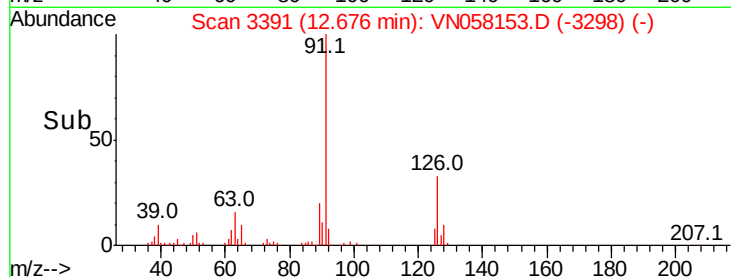
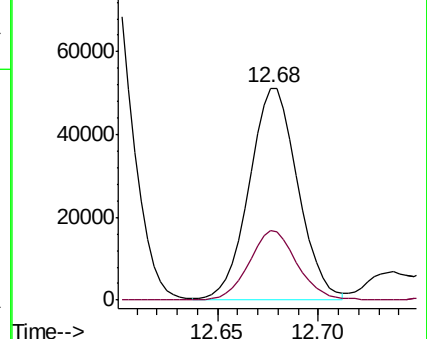
91 100

126 32.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058153.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058153.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.499 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058153.D

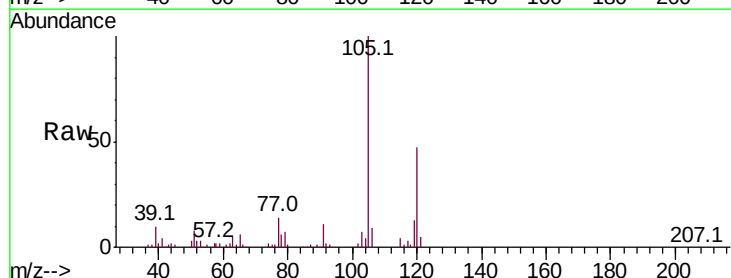
Acq: 18 Sep 2019 9:43

Tgt Ion: 105 Resp: 101953

Ion Ratio Lower Upper

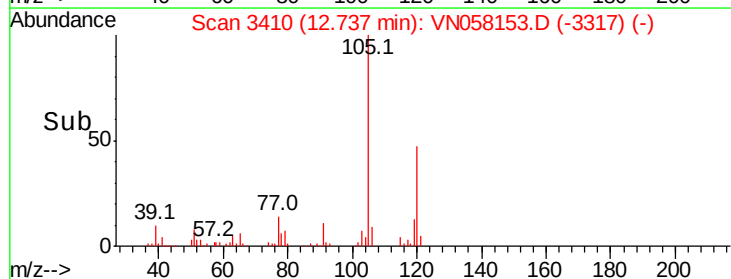
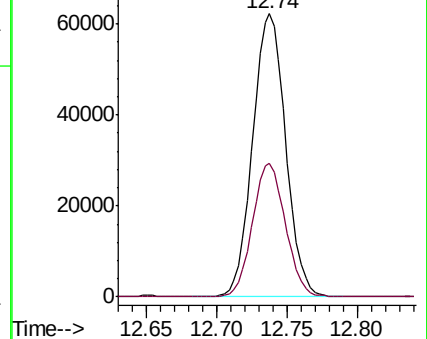
105 100

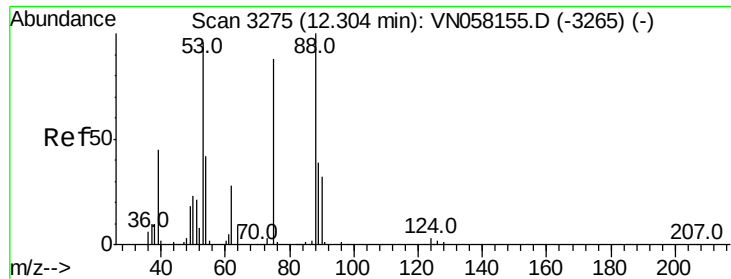
120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058153.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058153.D (-3393) (-)

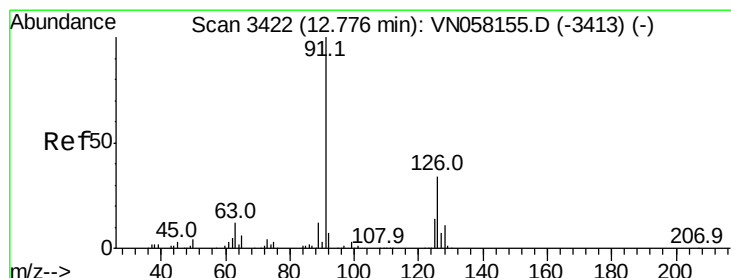
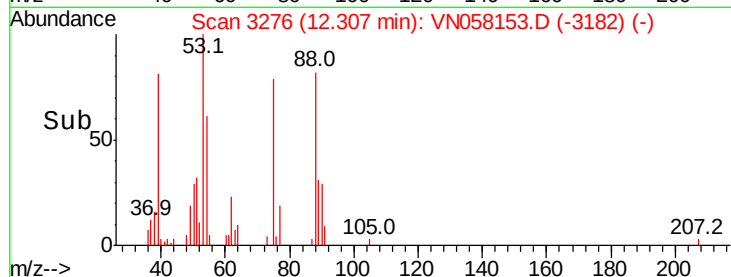
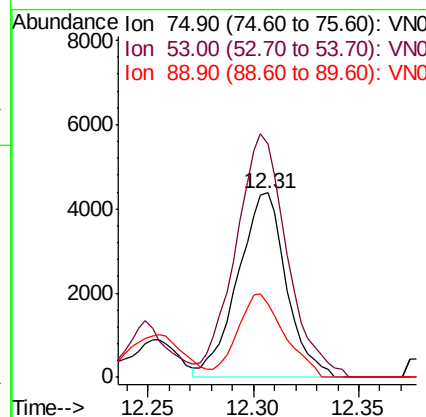
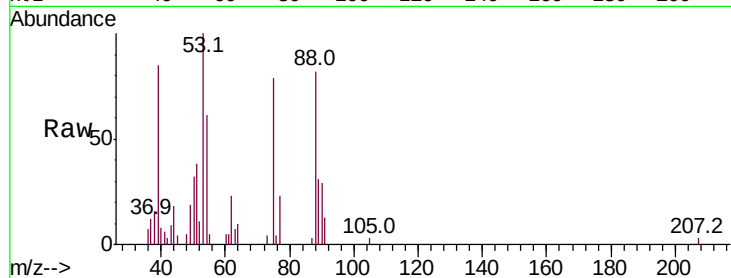




#81
trans-1,4-Dichloro-2-butene
Concen: 3.197 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

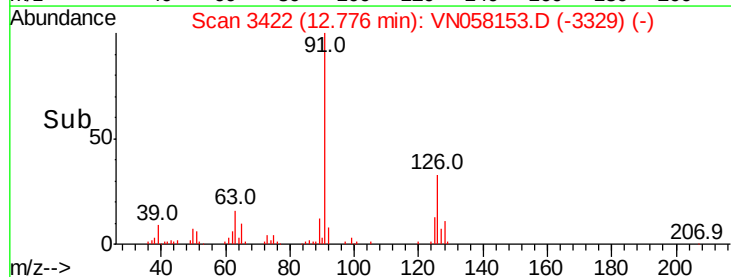
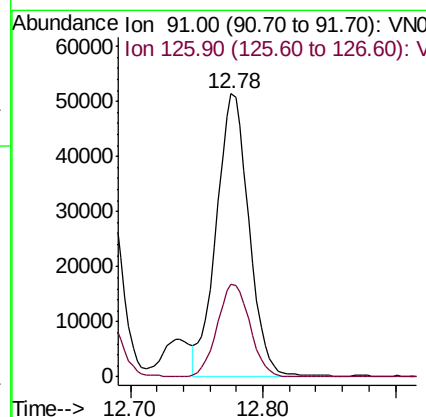
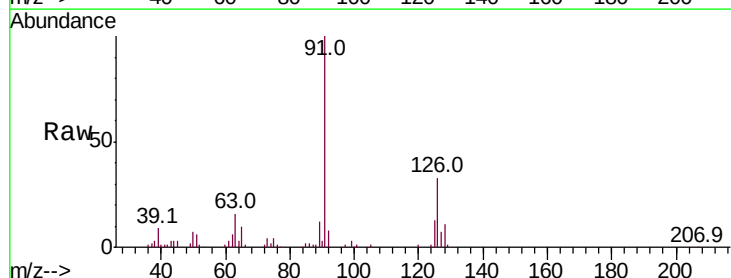
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

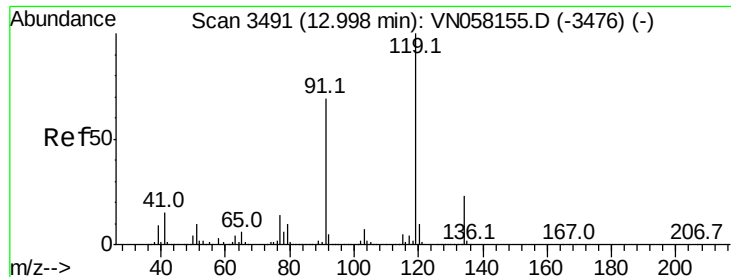
Tot Ion: 75 Resp: 7016
Ion Ratio Lower Upper
75 100
53 140.1 90.1 135.1#
89 43.7 36.2 54.2



#82
4-Chlorotoluene
Concen: 4.405 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058153.D
Acq: 18 Sep 2019 9:43

Tgt Ion: 91 Resp: 88058
Ion Ratio Lower Upper
91 100
126 32.8 15.7 47.1





#83

tert-Butylbenzene

Concen: 4.390 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

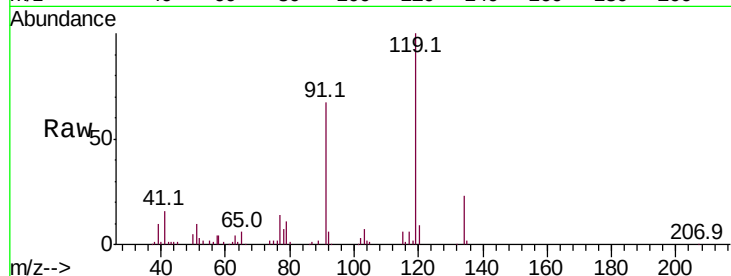
Tot Ion:119 Resp: 88391

Ion Ratio Lower Upper

119 100

91 68.6 33.8 101.3

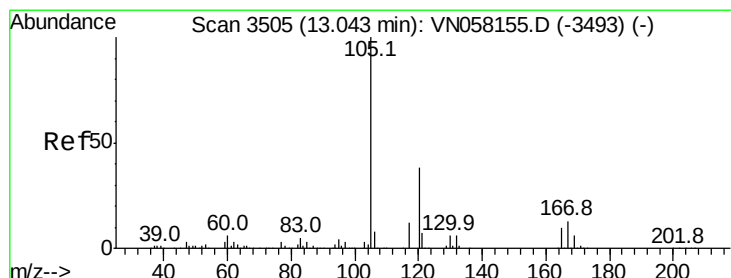
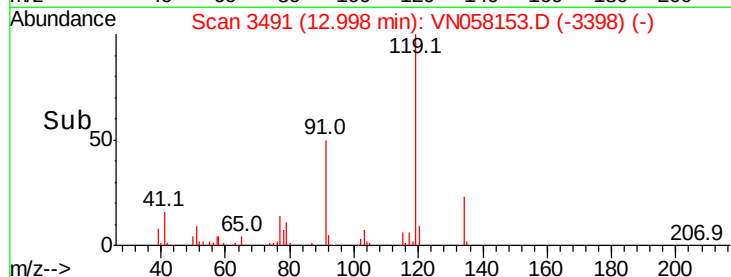
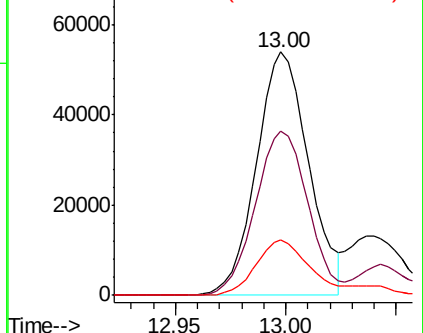
134 23.1 11.6 34.8



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: 4.298 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058153.D

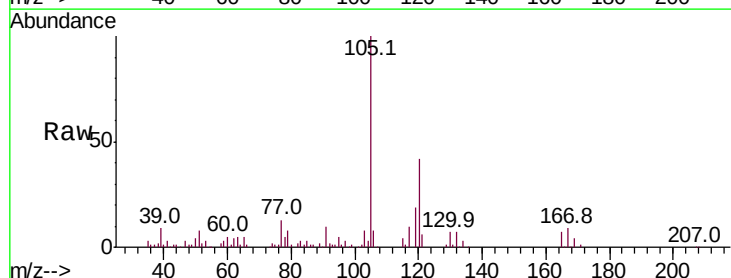
Acq: 18 Sep 2019 9:43

Tgt Ion:105 Resp: 98703

Ion Ratio Lower Upper

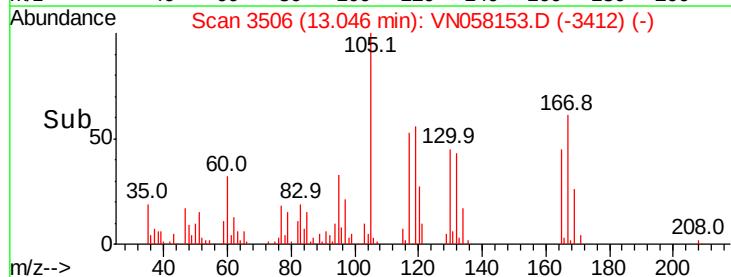
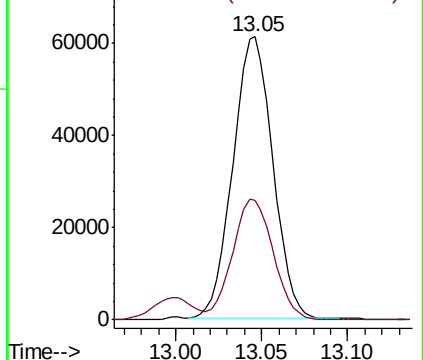
105 100

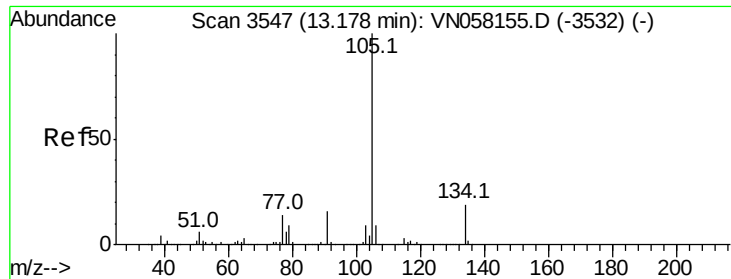
120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

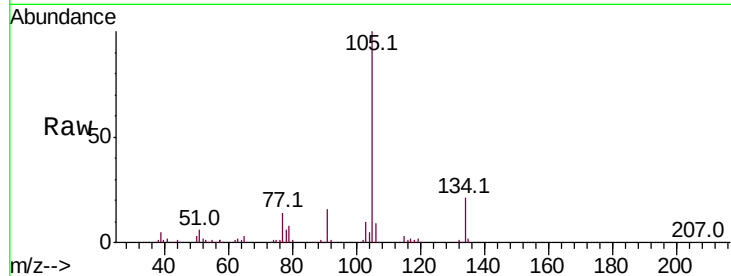




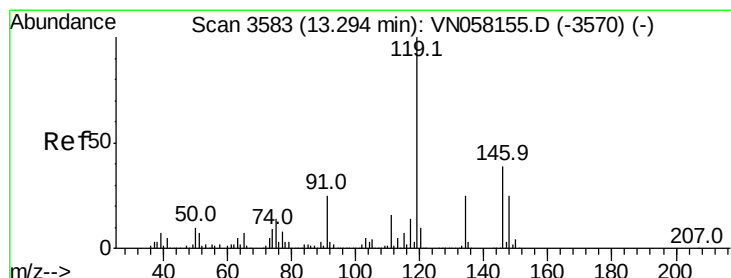
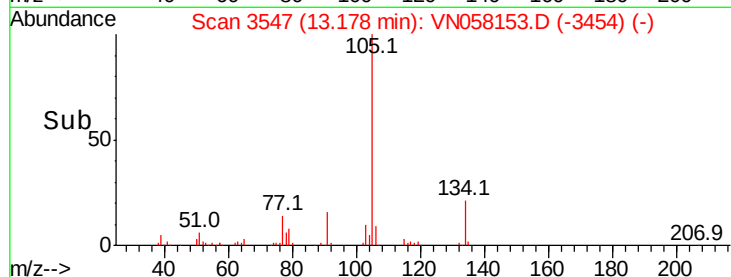
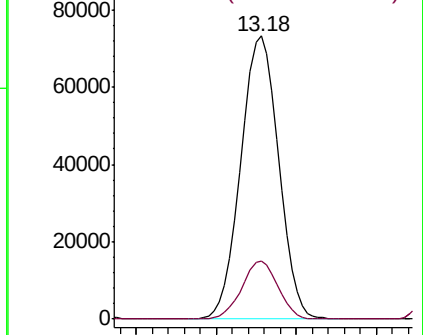
#85
 sec-Butylbenzene
 Concen: 4.428 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 118028
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.5 28.5

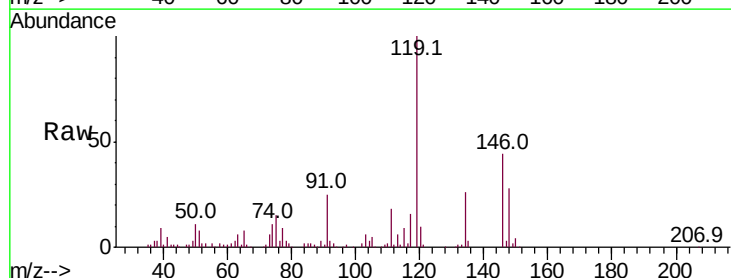


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

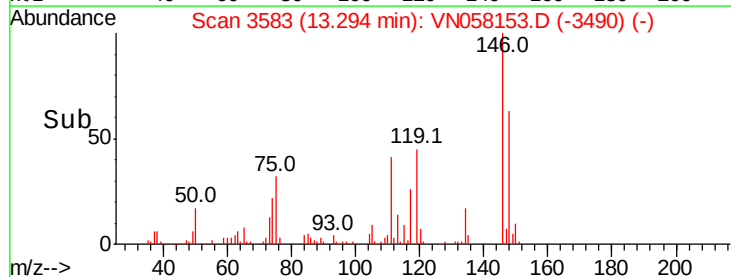
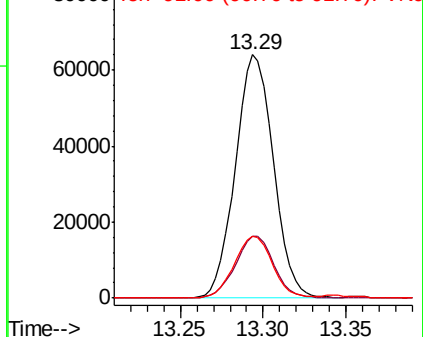


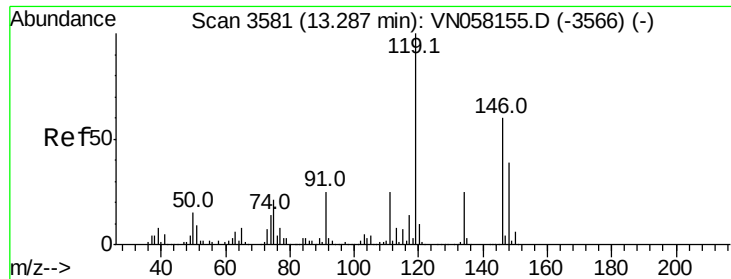
#86
 p-Isopropyltoluene
 Concen: 4.362 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion:119 Resp: 102308
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.0
 91 25.5 12.3 36.8



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

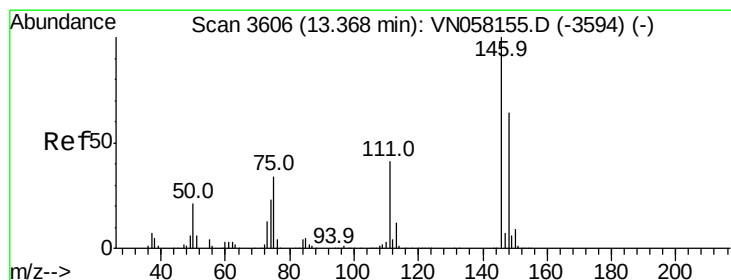
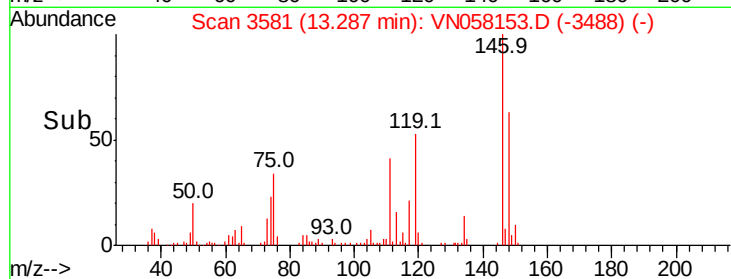
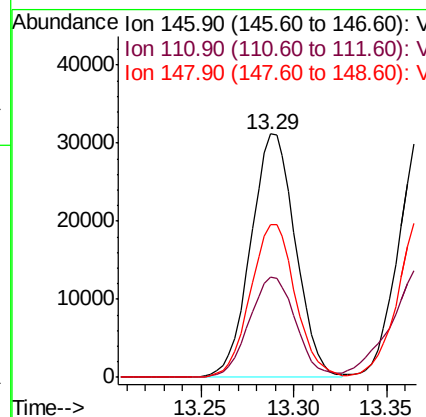
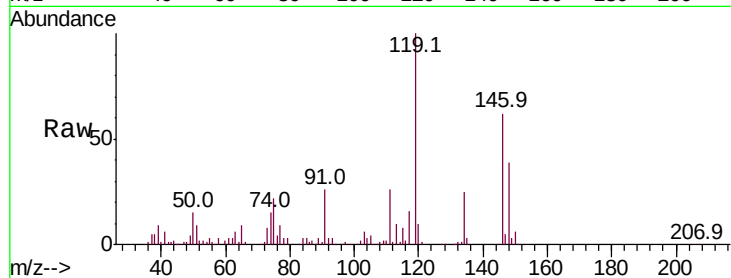




#87
 1,3-Dichlorobenzene
 Concen: 4.283 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

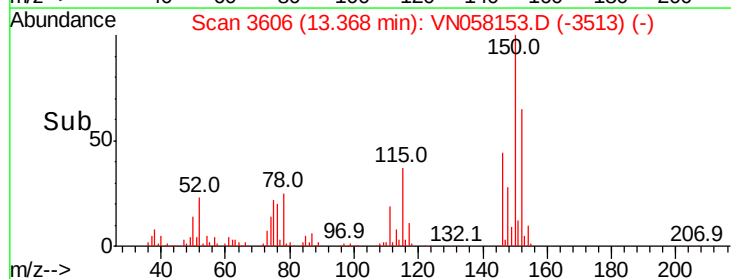
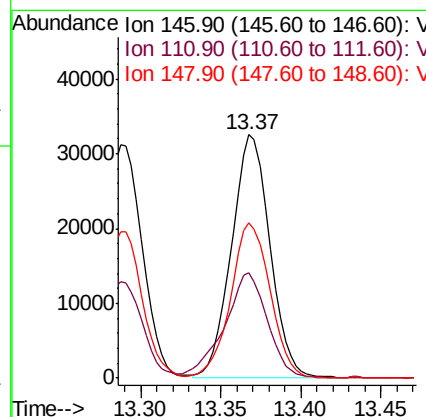
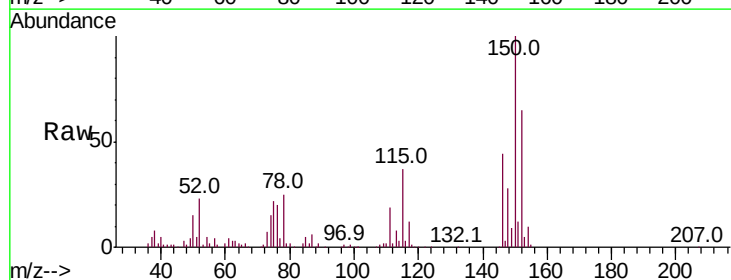
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

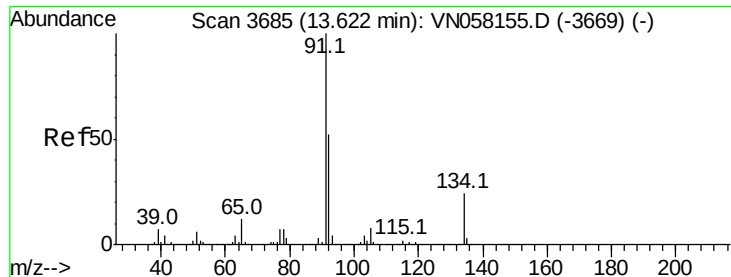
Tot Ion:146 Resp: 52542
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.9 62.8
 148 63.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 4.273 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion:146 Resp: 53390
 Ion Ratio Lower Upper
 146 100
 111 48.7 20.5 61.5
 148 65.5 31.9 95.5





#89

n-Butylbenzene

Concen: 4.206 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

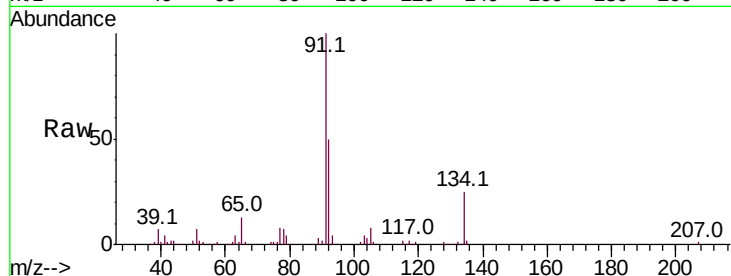
Tot Ion: 91 Resp: 93482

Ion Ratio Lower Upper

91 100

92 50.3 25.7 77.0

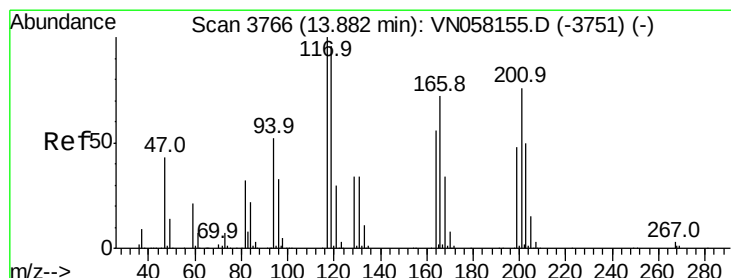
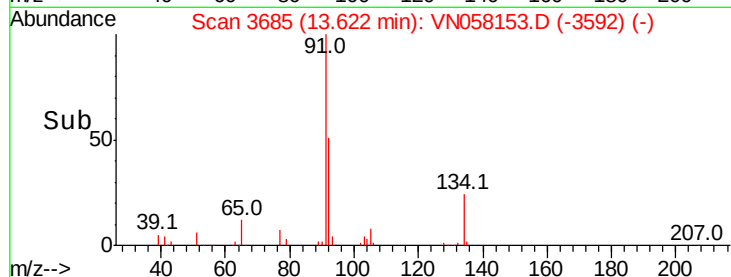
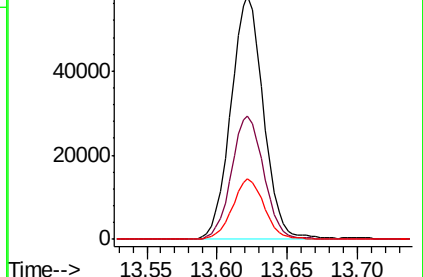
134 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058153.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058153.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058153.D (-3669) (-)



#90

Hexachloroethane

Concen: 3.637 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058153.D

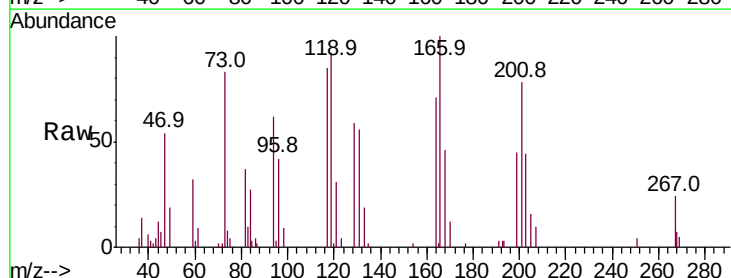
Acq: 18 Sep 2019 9:43

Tgt Ion: 117 Resp: 12758

Ion Ratio Lower Upper

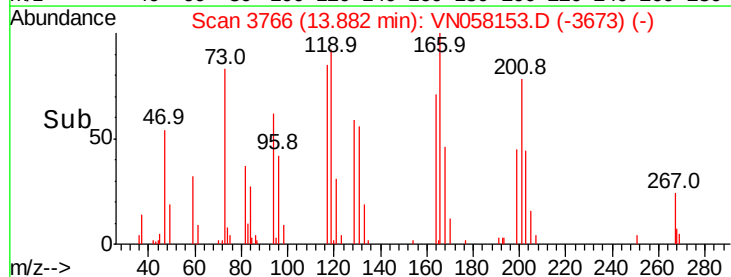
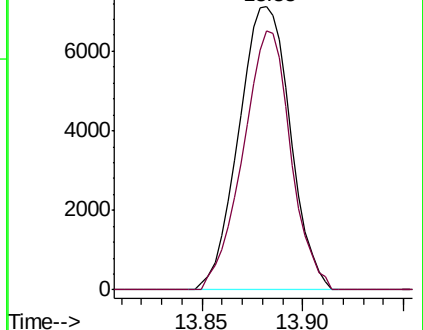
117 100

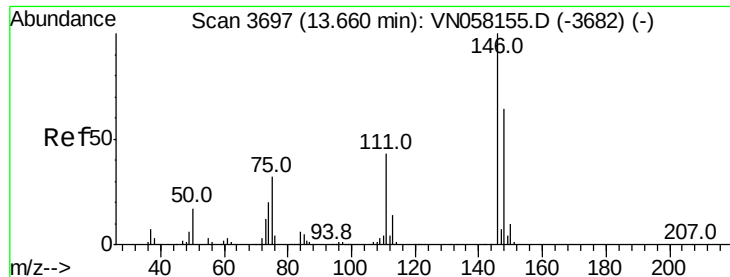
201 84.7 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058153.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058153.D (-3673) (-)

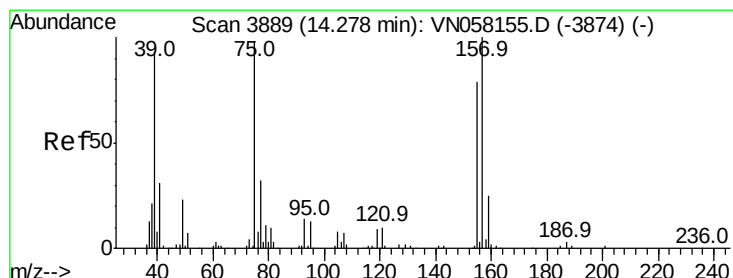
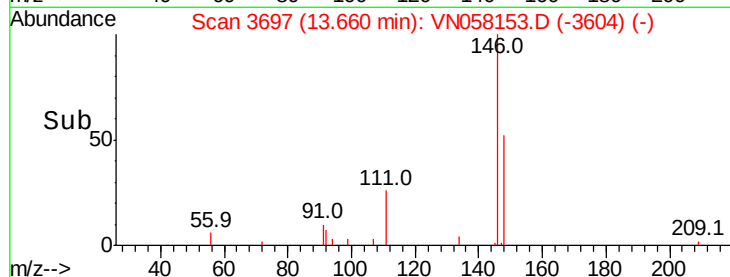
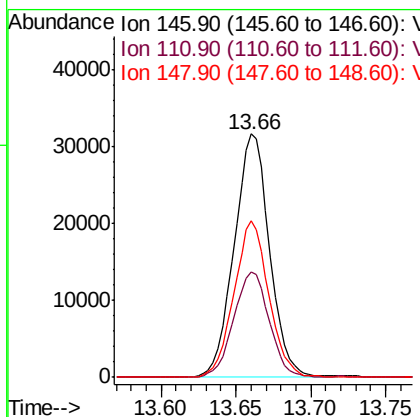
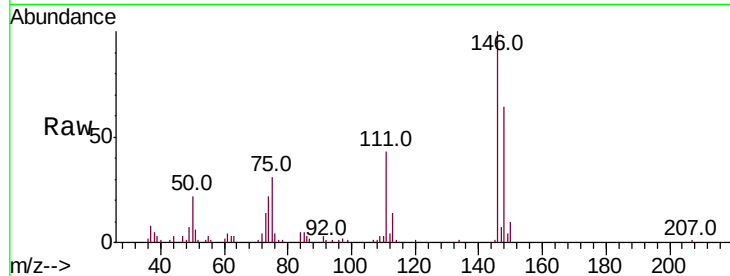




#91
 1,2-Dichlorobenzene
 Concen: 4.237 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

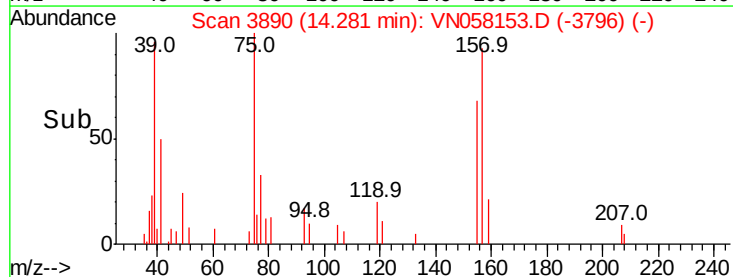
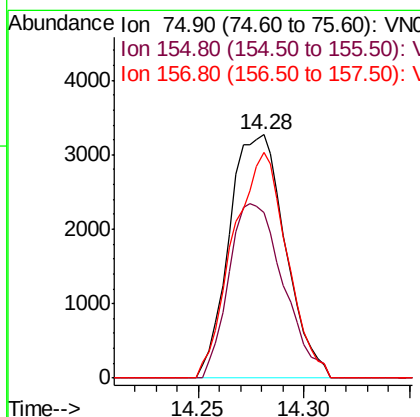
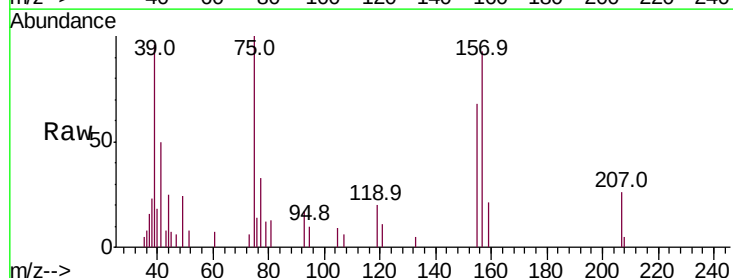
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

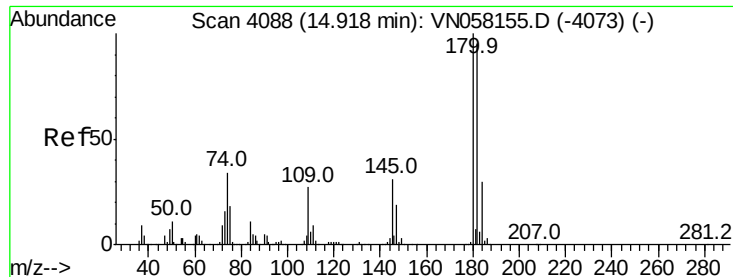
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.1
148	63.0	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.026 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	38.3	114.8
157	89.4	48.0	144.0

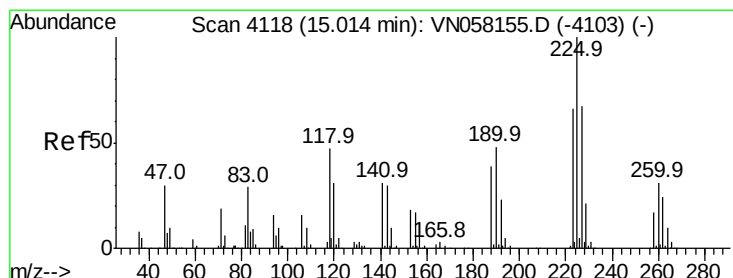
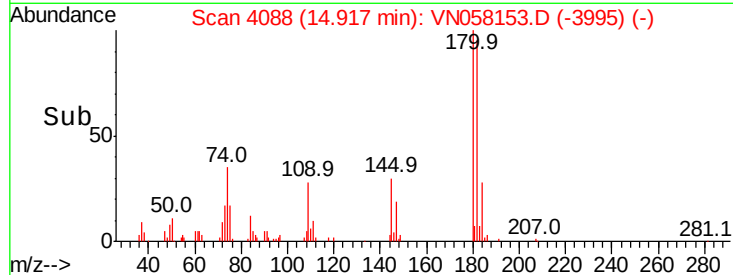
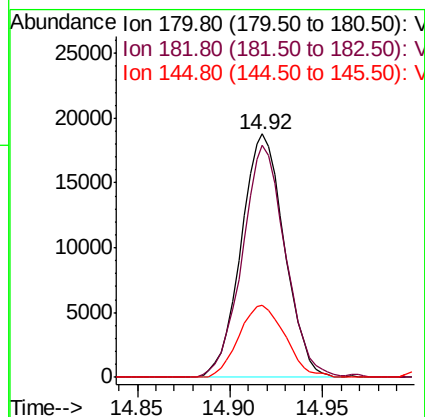
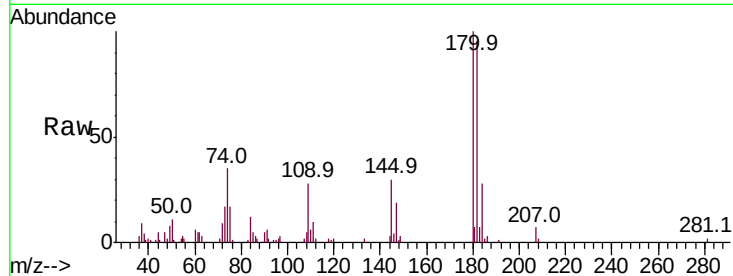




#93
 1,2,4-Trichlorobenzene
 Concen: 3.749 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

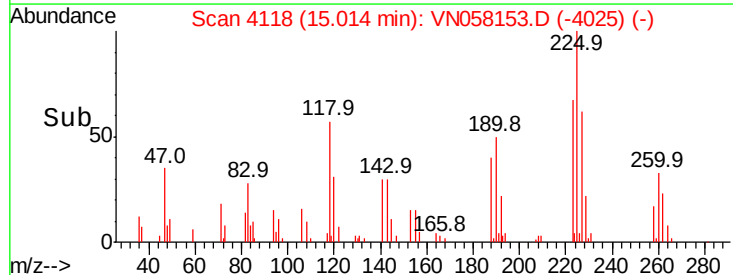
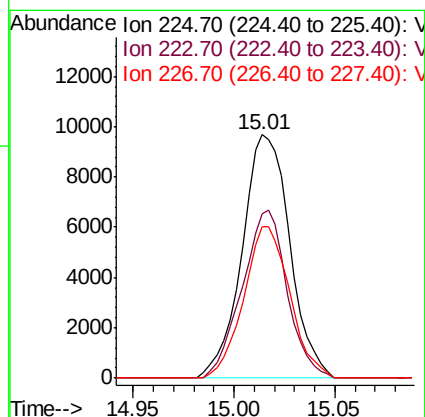
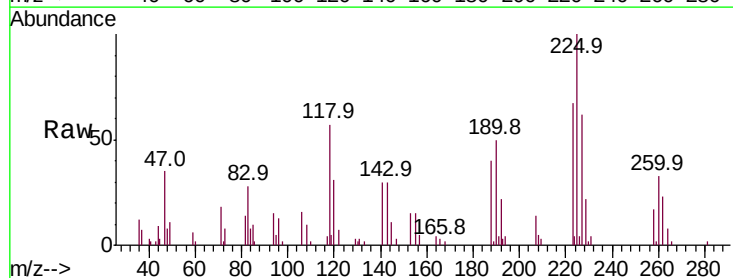
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

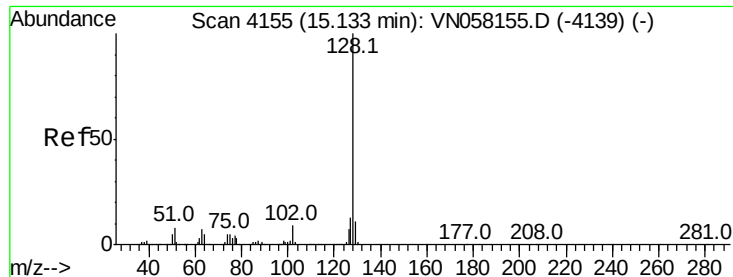
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	31.5	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 4.603 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058153.D
 Acq: 18 Sep 2019 9:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.6	97.7
227	60.3	33.0	99.0





#95

Naphthalene

Concen: 3.279 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

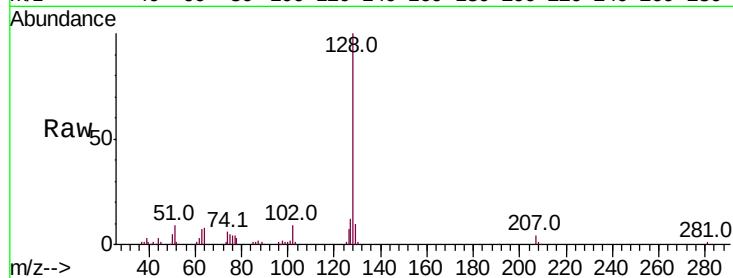
Tot Ion:128 Resp: 76294

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

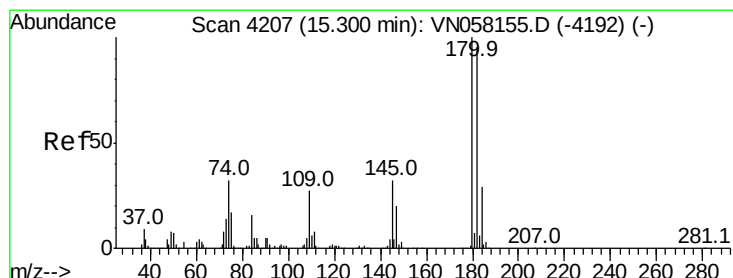
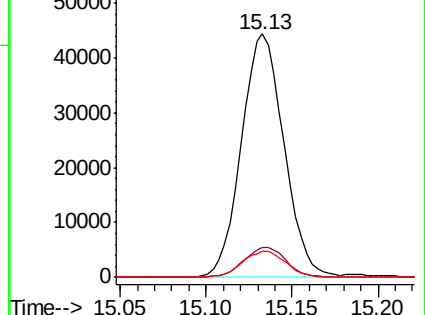
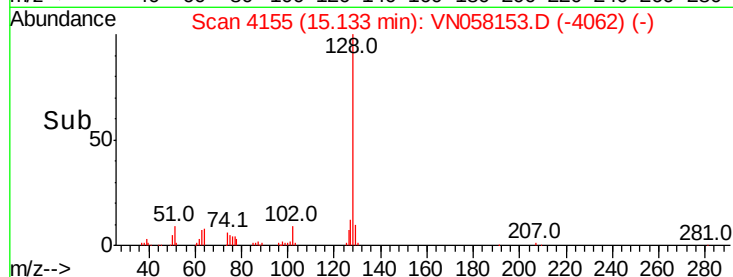
129 11.0 8.6 12.8



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: 3.621 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058153.D

Acq: 18 Sep 2019 9:43

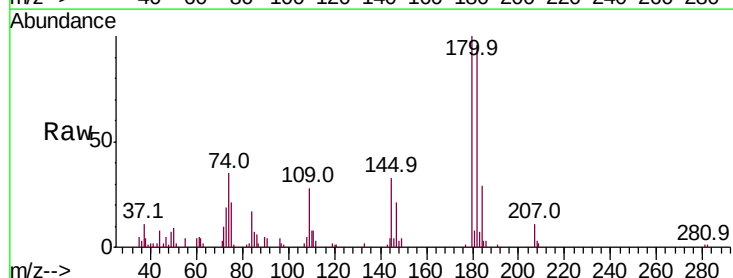
Tgt Ion:180 Resp: 28756

Ion Ratio Lower Upper

180 100

182 96.9 47.4 142.2

145 33.8 16.1 48.2



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

