

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058156.D
 Acq On : 18 Sep 2019 10:49
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 19 01:44:37 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	573329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	965146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	445226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	813337	74.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.52%	
35) Dibromofluoromethane	7.57	113	592751	71.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.24%	
50) Toluene-d8	10.08	98	2286362	71.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.00%	
62) 4-Bromofluorobenzene	12.40	95	875741	70.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	447308	61.069	ug/l	97
3) Chloromethane	2.04	50	356419	48.020	ug/l	99
4) Vinyl Chloride	2.17	62	391441	49.887	ug/l	98
5) Bromomethane	2.54	94	204382	44.081	ug/l	98
6) Chloroethane	2.68	64	249532	49.641	ug/l	99
7) Trichlorofluoromethane	3.00	101	577509	57.858	ug/l	99
8) Diethyl Ether	3.39	74	274226	64.637	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	427769	67.071	ug/l	100
10) Methyl Iodide	3.93	142	406327	60.093	ug/l	98
11) Tert butyl alcohol	4.76	59	488502	377.476	ug/l	99
12) 1,1-Dichloroethene	3.72	96	350747	61.330	ug/l	98
13) Acrolein	3.59	56	68963	70.475	ug/l	99
14) Allyl chloride	4.30	41	742533	66.023	ug/l	99
15) Acrylonitrile	4.96	53	1304082	358.795	ug/l	100
16) Acetone	3.79	43	1310306	366.759	ug/l	99
17) Carbon Disulfide	4.03	76	483355	46.363	ug/l	99
18) Methyl Acetate	4.30	43	681247	71.249	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1751959	73.215	ug/l	99
20) Methylene Chloride	4.53	84	471336	60.695	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	384944	62.263	ug/l	97
22) Diisopropyl ether	5.93	45	1915922	72.648	ug/l	99
23) Vinyl Acetate	5.87	43	6574189	353.785	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	994118	69.070	ug/l	99
25) 2-Butanone	6.81	43	1916318	370.320	ug/l	98
26) 2,2-Dichloropropane	6.80	77	862792	75.538	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	558253	67.048	ug/l	98
28) Bromochloromethane	7.18	49	487571	67.833	ug/l #	99
29) Tetrahydrofuran	7.19	42	1131763	354.892	ug/l	99
30) Chloroform	7.36	83	1061556	70.348	ug/l	99
31) Cyclohexane	7.64	56	646500	60.978	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	858922	71.821	ug/l	100
36) 1,1-Dichloropropene	7.78	75	635672	60.605	ug/l	99
37) Ethyl Acetate	6.91	43	721624	66.375	ug/l	99
38) Carbon Tetrachloride	7.76	117	691341	71.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	666599	60.608	ug/l	98
40) Benzene	8.03	78	2017893	63.901	ug/l	100
41) Methacrylonitrile	7.16	41	386331	78.367	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	852484	67.277	ug/l	100
43) Isopropyl Acetate	8.15	43	1322111	72.286	ug/l	100
44) Trichloroethene	8.82	130	503760	64.856	ug/l	100
45) 1,2-Dichloropropane	9.11	63	619095	67.122	ug/l	98
46) Dibromomethane	9.20	93	378469	67.976	ug/l	99
47) Bromodichloromethane	9.40	83	855171	77.134	ug/l	100
48) Methyl methacrylate	9.19	41	632971	68.611	ug/l	100
49) 1,4-Dioxane	9.19	88	199294	1271.278	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	3519386	328.857	ug/l	93
52) Toluene	10.15	92	1300349	65.451	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	921839	79.118	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	968959	75.280	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	593996	70.493	ug/l	98
56) Ethyl methacrylate	10.43	69	924047	73.196	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1001992	68.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2209753	375.198	ug/l	99
59) 2-Hexanone	10.75	43	2735860	341.928	ug/l	95
60) Dibromochloromethane	10.90	129	639409	81.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	559736	70.452	ug/l	99
64) Tetrachloroethene	10.63	164	397100	64.399	ug/l	99
65) Chlorobenzene	11.43	112	1494114	68.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	592228	78.203	ug/l	99
67) Ethyl Benzene	11.51	91	2557645	67.107	ug/l	94
68) m/p-Xylenes	11.62	106	1963975	140.729	ug/l	89
69) o-Xylene	11.95	106	991435	71.679	ug/l	95
70) Styrene	11.97	104	1781686	74.862	ug/l	100
71) Bromoform	12.13	173	416345	88.512	ug/l #	99
73) Isopropylbenzene	12.25	105	2664512	79.855	ug/l	96
74) N-amyl acetate	12.07	43	1260850	87.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	916726	81.649	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1149285	118.964	ug/l #	100
77) Bromobenzene	12.53	156	665518	79.572	ug/l	98
78) n-propylbenzene	12.59	91	3007817	78.616	ug/l	95
79) 2-Chlorotoluene	12.68	91	1949810	80.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2335535	82.750	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	274623	100.486	ug/l	96
82) 4-Chlorotoluene	12.78	91	2063558	82.881	ug/l	98
83) tert-Butylbenzene	13.00	119	2092875	83.452	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2351206	82.197	ug/l	97
85) sec-Butylbenzene	13.18	105	2713906	81.758	ug/l	97
86) p-Isopropyltoluene	13.29	119	2476029	84.769	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	1291501	84.533	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1304176	83.806	ug/l	99
89) n-Butylbenzene	13.62	91	2387731	86.264	ug/l	95
90) Hexachloroethane	13.88	117	427564	97.874	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	1290177	84.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	182405	97.953	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
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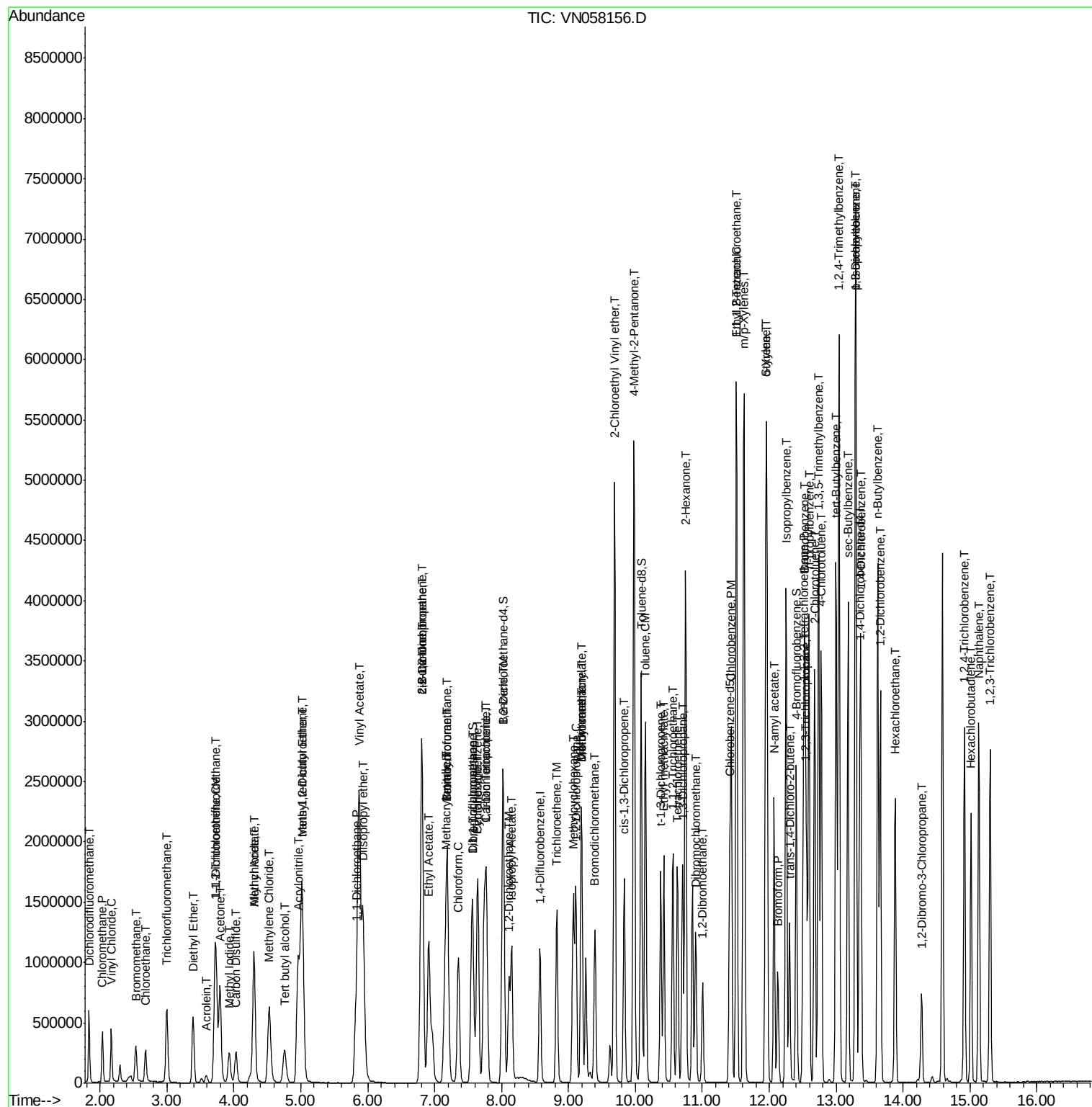
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	881756	87.193	ug/l	100
94) Hexachlorobutadiene	15.02	225	407369	93.950	ug/l	96
95) Naphthalene	15.13	128	2380092	82.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	837524	84.669	ug/l	99

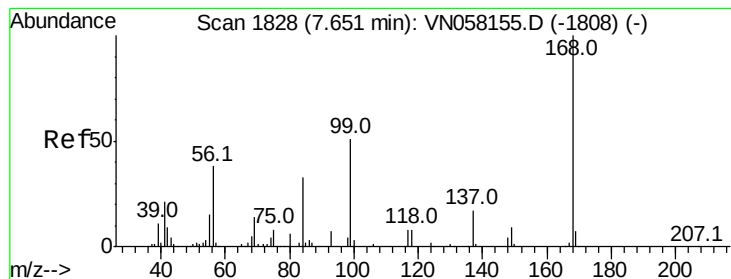
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

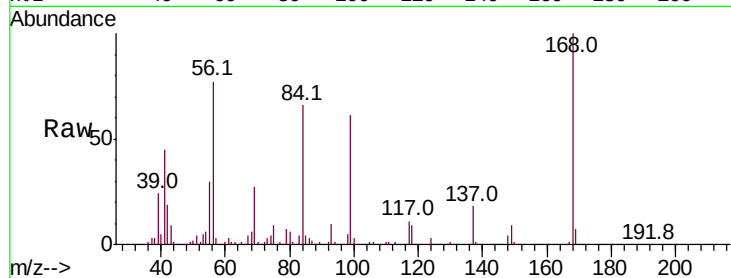
VSTDIC100

Tot Ion:168 Resp: 573329

Ion Ratio Lower Upper

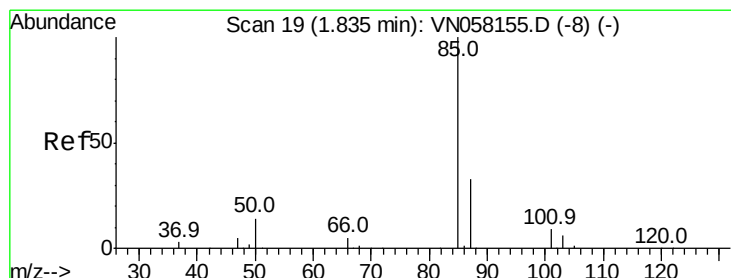
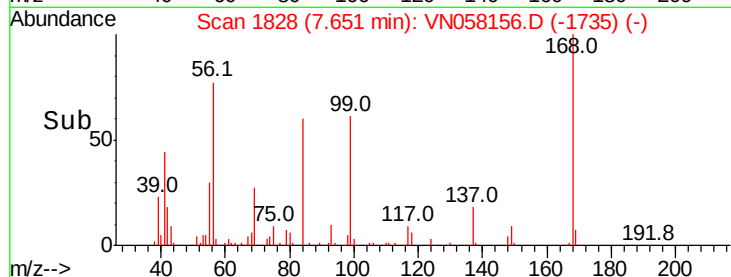
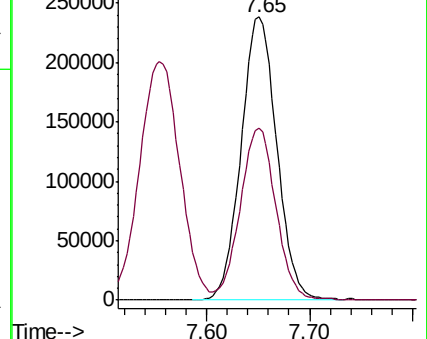
168 100

99 60.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 61.069 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058156.D

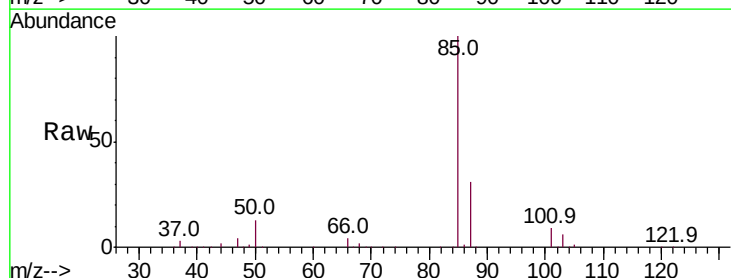
Acq: 18 Sep 2019 10:49

Tgt Ion: 85 Resp: 447308

Ion Ratio Lower Upper

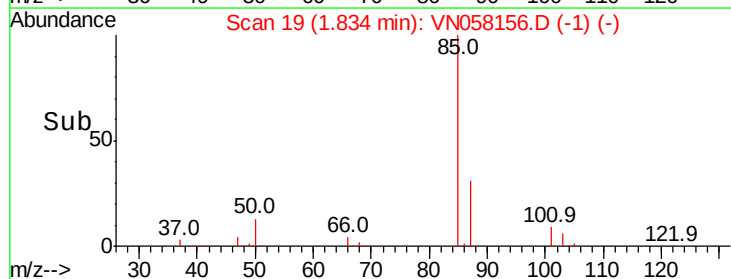
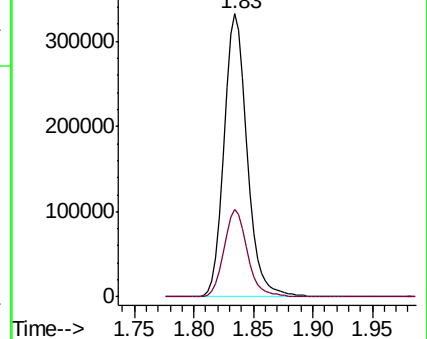
85 100

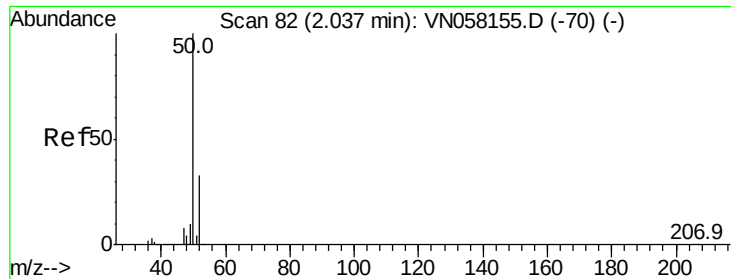
87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.020 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

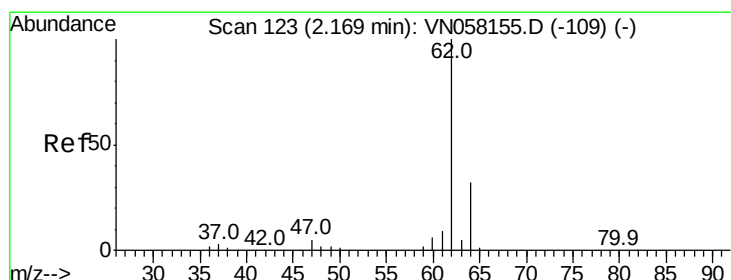
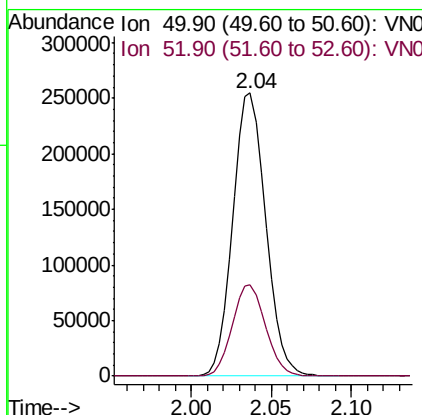
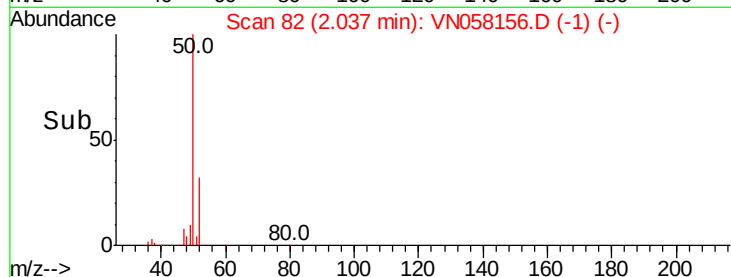
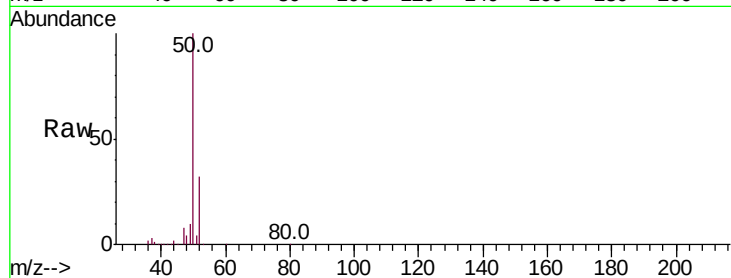
VSTDIC100

Tot Ion: 50 Resp: 356419

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 49.887 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058156.D

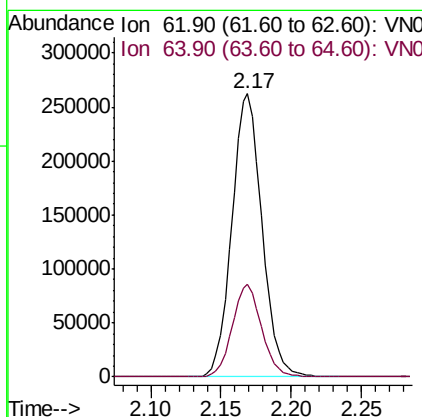
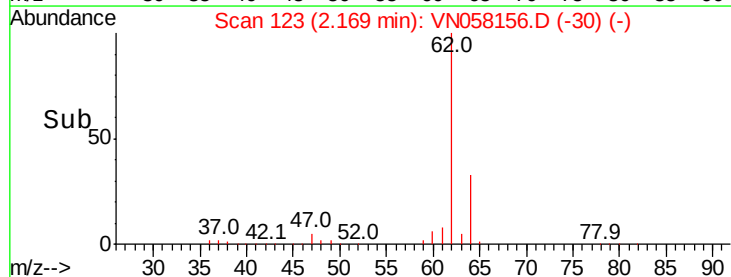
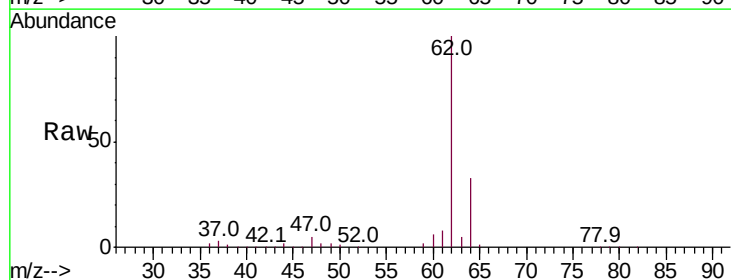
Acq: 18 Sep 2019 10:49

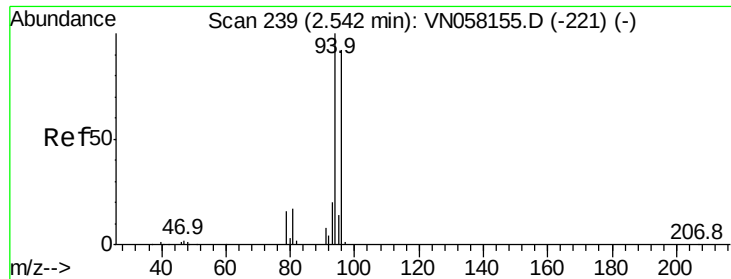
Tgt Ion: 62 Resp: 391441

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2

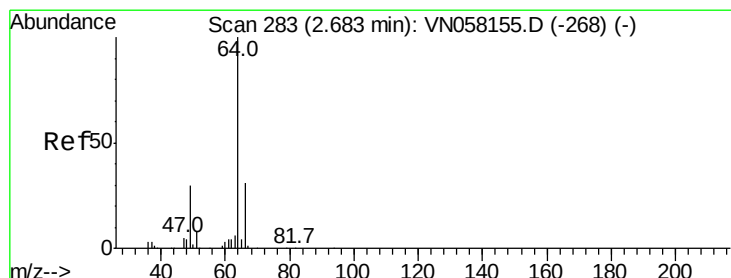
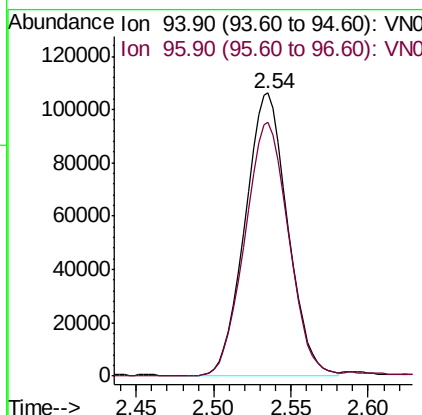
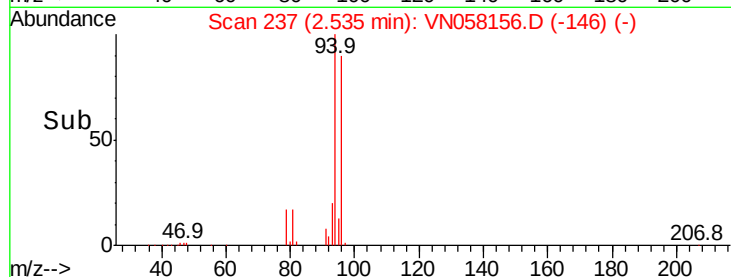
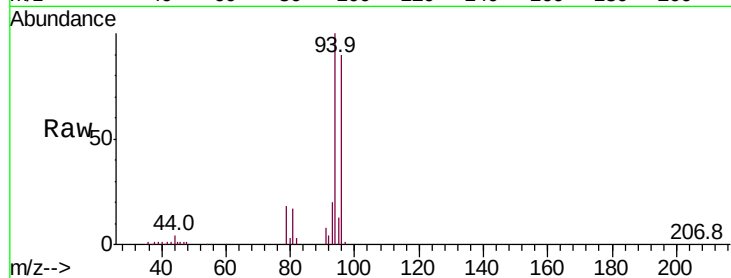




#5
Bromomethane
Concen: 44.081 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

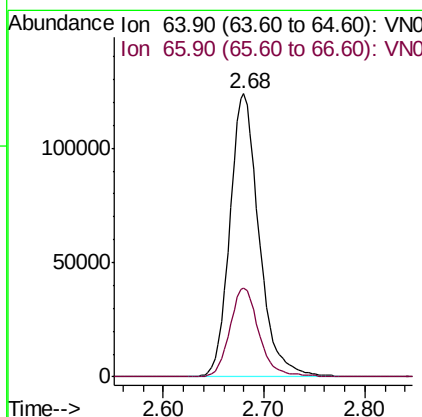
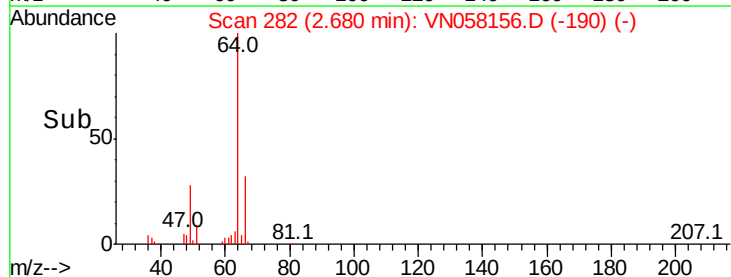
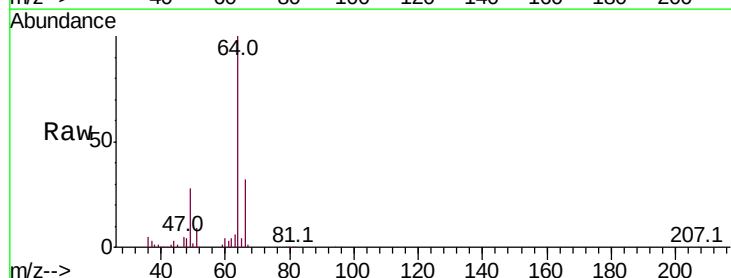
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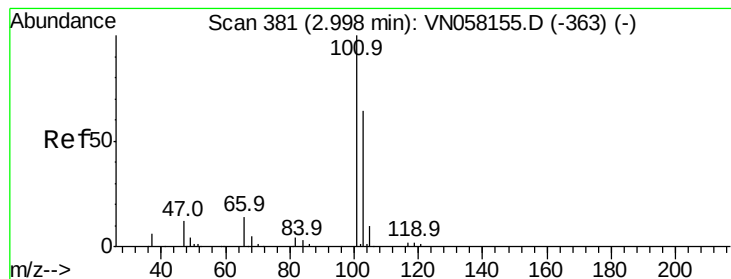
Tot Ion: 94 Resp: 204382
Ion Ratio Lower Upper
94 100
96 89.7 73.3 109.9



#6
Chloroethane
Concen: 49.641 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 64 Resp: 249532
Ion Ratio Lower Upper
64 100
66 31.6 24.6 37.0



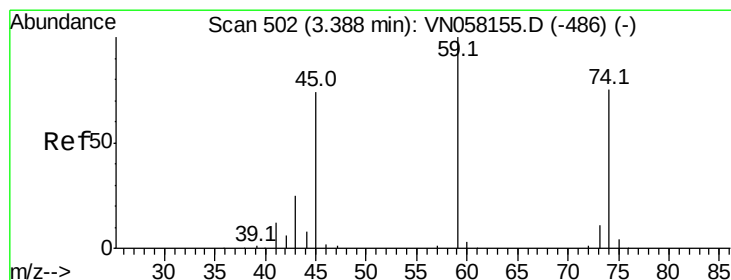
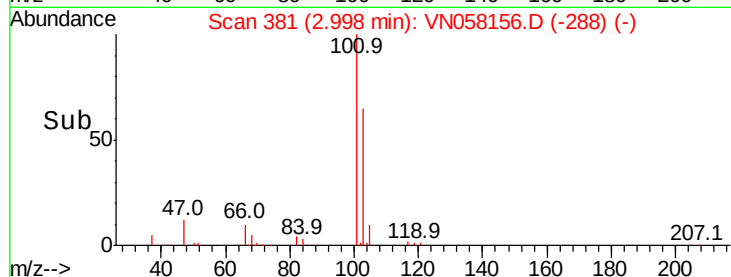
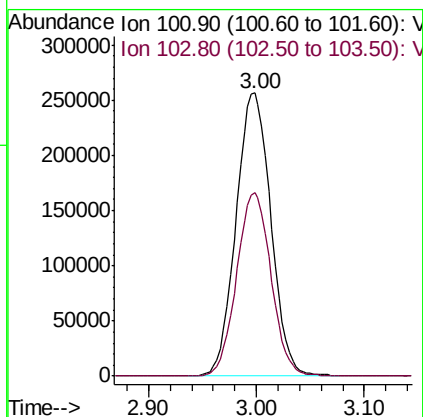
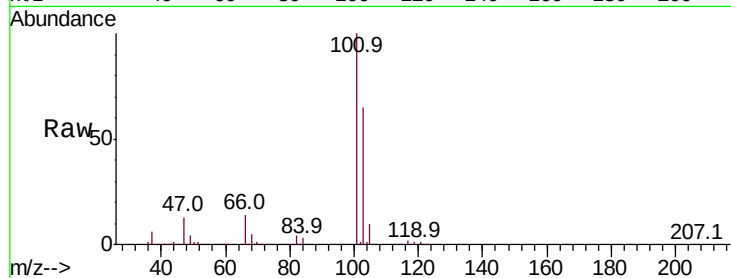


#7

Trichlorofluoromethane
 Concen: 57.858 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

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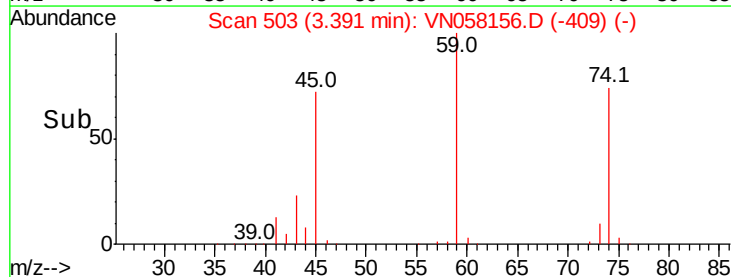
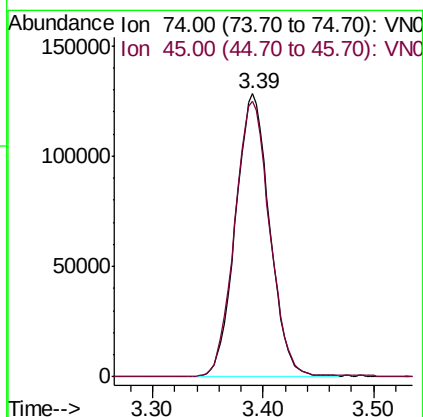
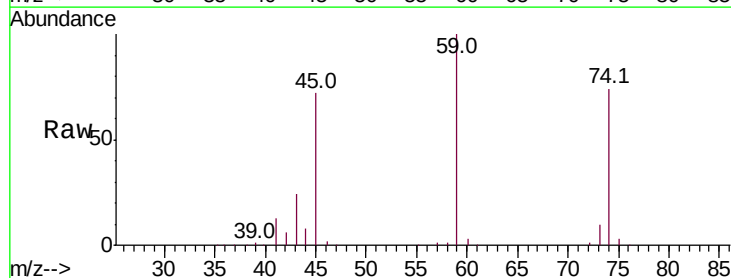
Tot Ion:101 Resp: 577509
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.0 76.6

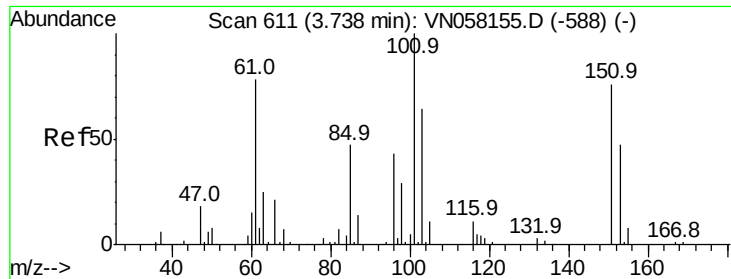


#8

Diethyl Ether
 Concen: 64.637 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058156.D
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Tgt Ion: 74 Resp: 274226
 Ion Ratio Lower Upper
 74 100
 45 99.6 48.5 145.5

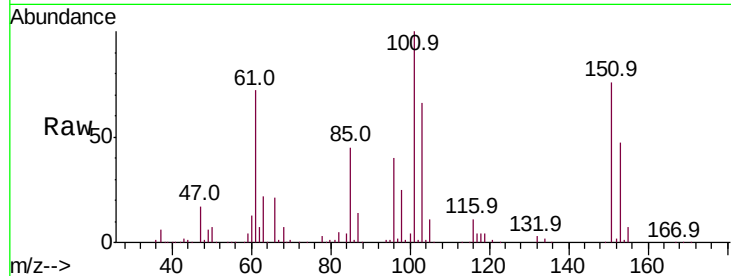




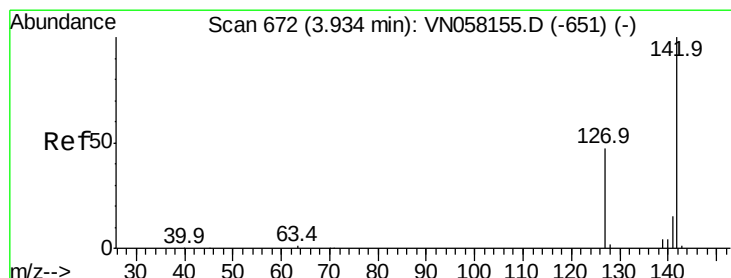
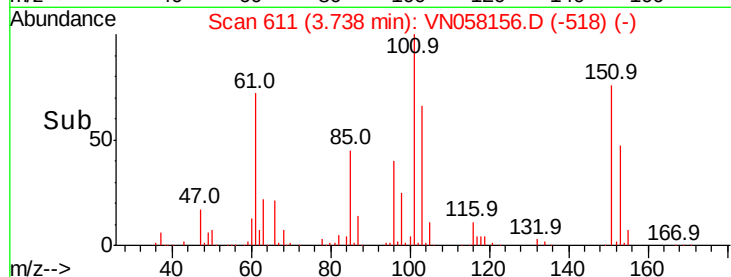
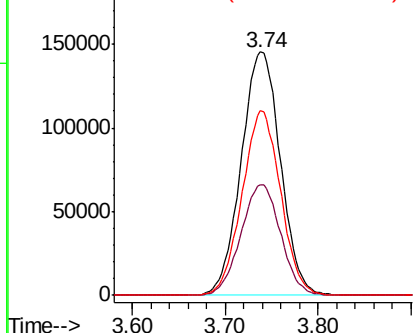
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 67.071 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 427769
 Ion Ratio Lower Upper
 101 100
 85 46.0 37.3 55.9
 151 74.6 59.6 89.4

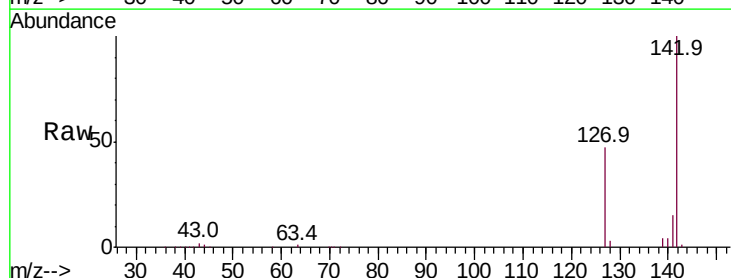


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

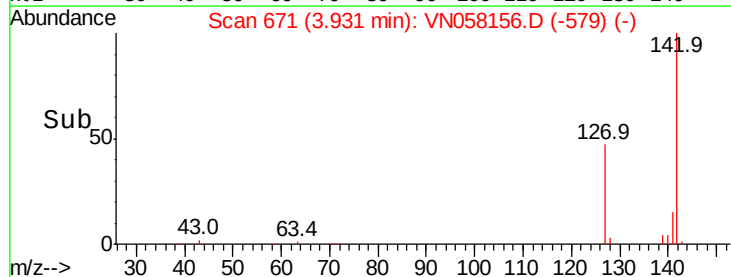
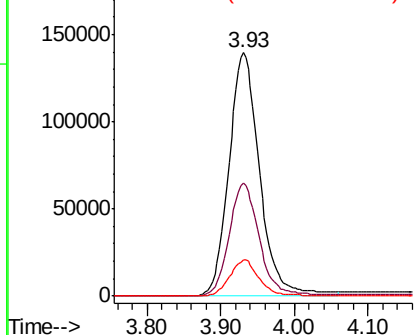


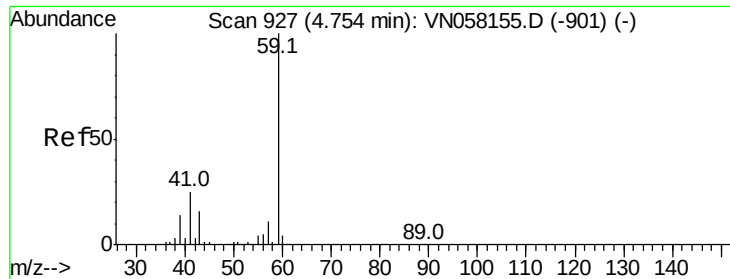
#10
 Methyl Iodide
 Concen: 60.093 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion:142 Resp: 406327
 Ion Ratio Lower Upper
 142 100
 127 45.4 37.5 56.3
 141 14.2 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



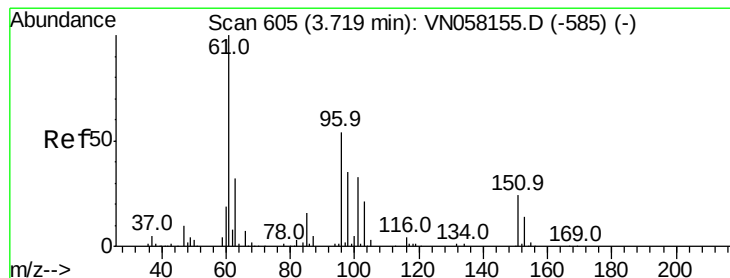
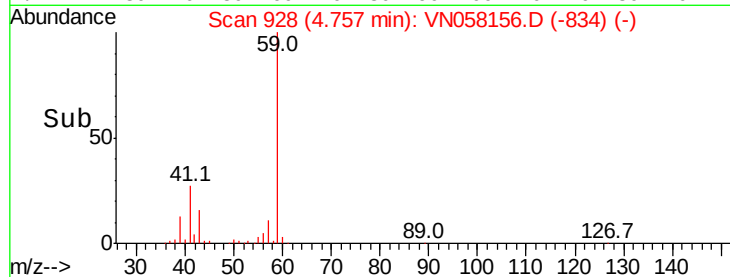
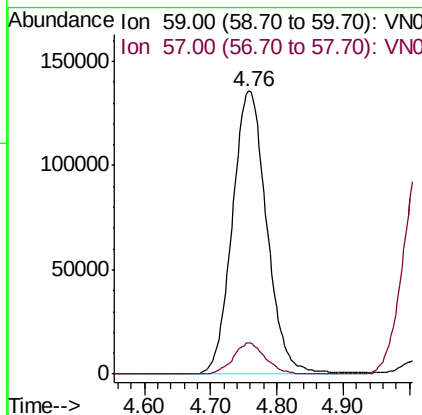
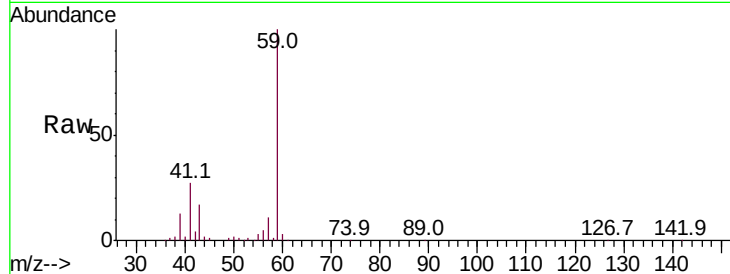


#11

Tert butyl alcohol
 Concen: 377.476 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

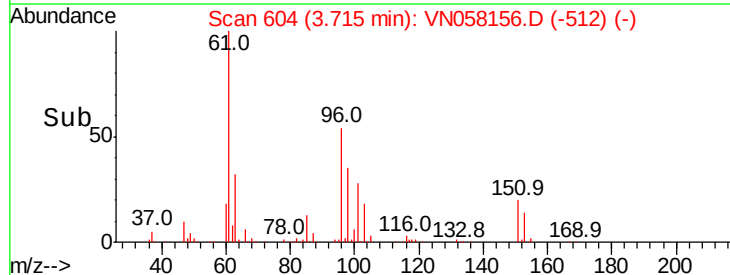
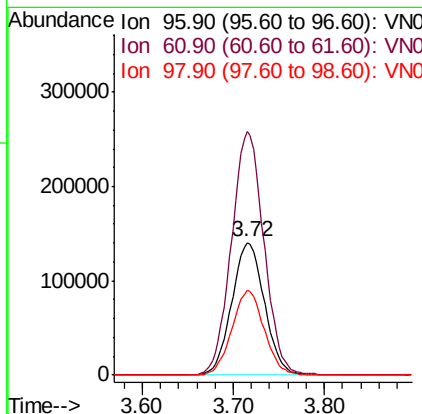
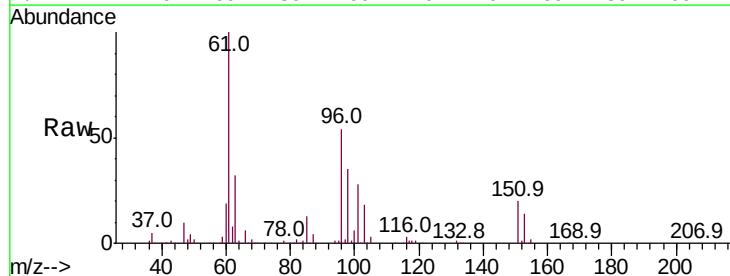
Tot Ion: 59 Resp: 488502
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0

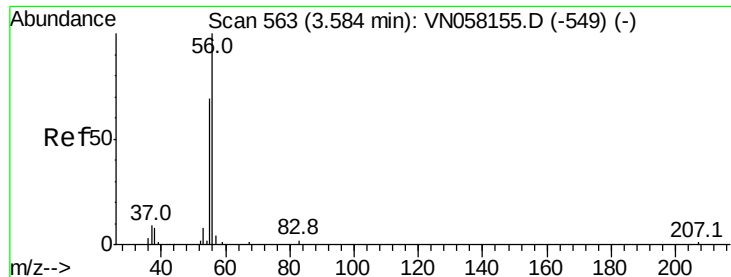


#12

1,1-Dichloroethene
 Concen: 61.330 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 96 Resp: 350747
 Ion Ratio Lower Upper
 96 100
 61 183.5 149.5 224.3
 98 63.7 52.4 78.6





#13

Acrolein

Concen: 70.475 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

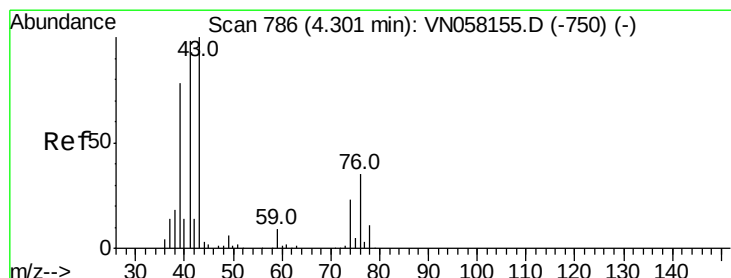
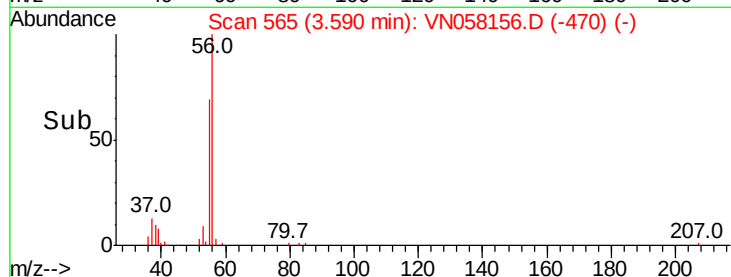
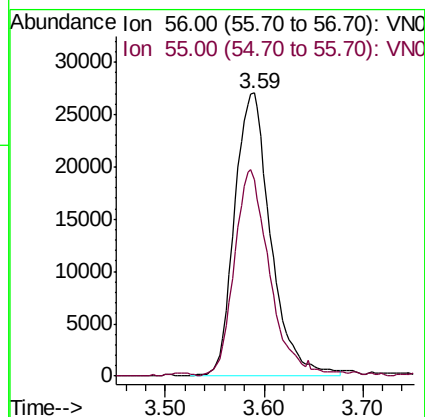
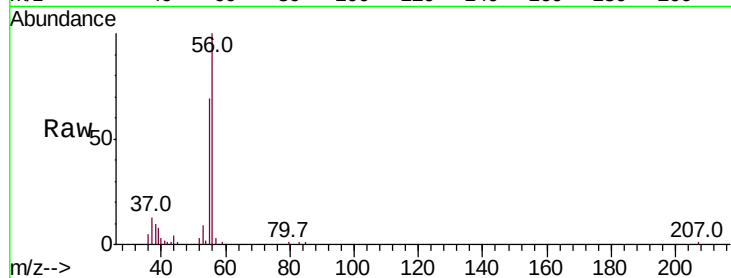
VSTDIC100

Tot Ion: 56 Resp: 68963

Ion Ratio Lower Upper

56 100

55 71.0 56.1 84.1



#14

Allyl chloride

Concen: 66.023 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

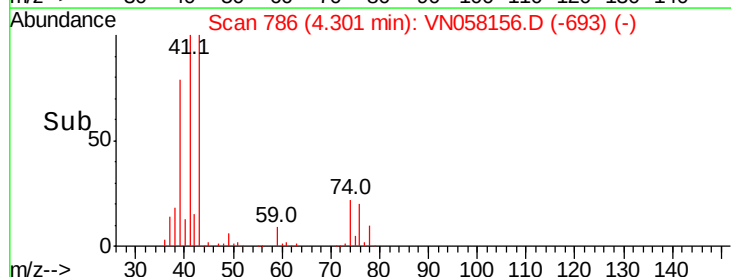
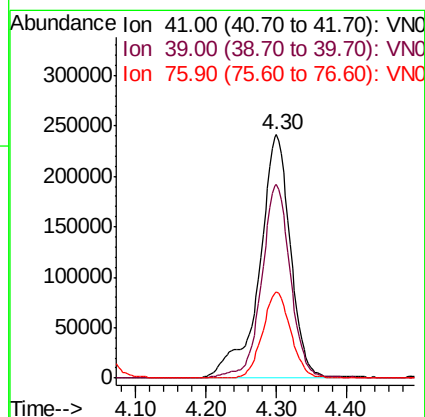
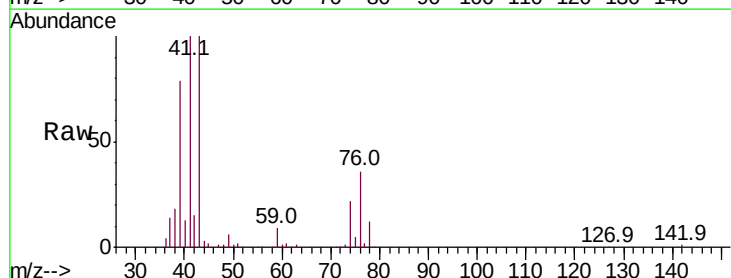
Tgt Ion: 41 Resp: 742533

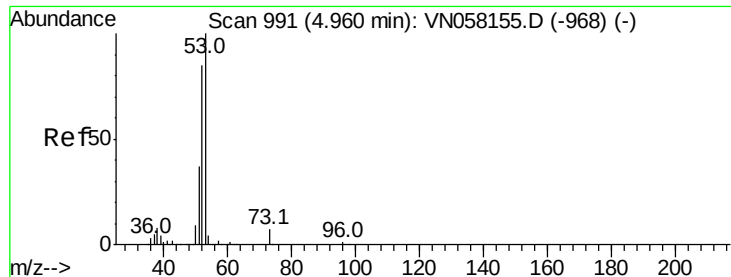
Ion Ratio Lower Upper

41 100

39 73.5 59.1 88.7

76 31.9 25.1 37.7





#15

Acrylonitrile

Concen: 358.795 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

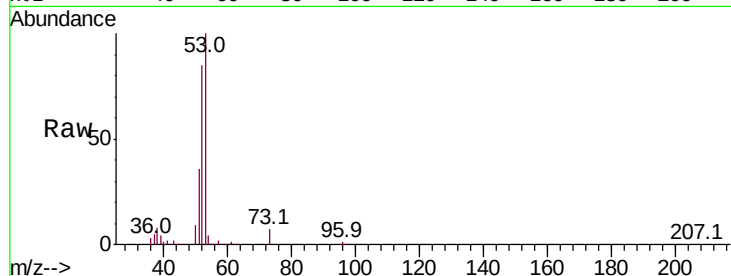
Tot Ion: 53 Resp: 1304082

Ion Ratio Lower Upper

53 100

52 83.2 66.6 100.0

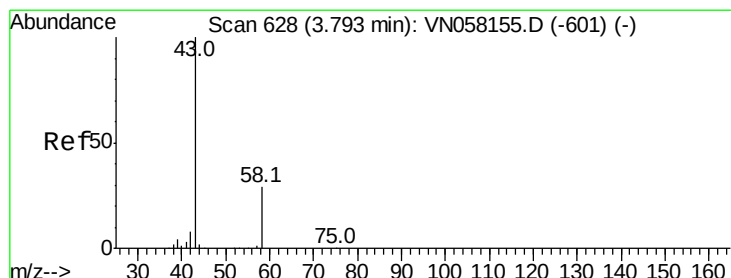
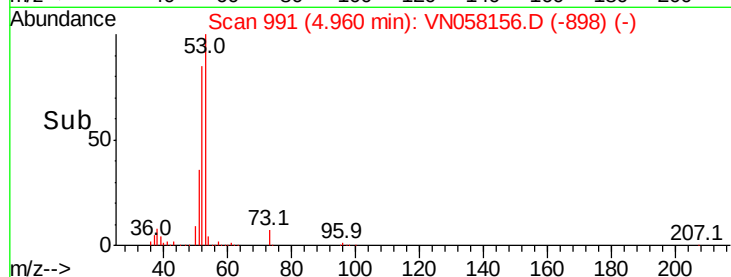
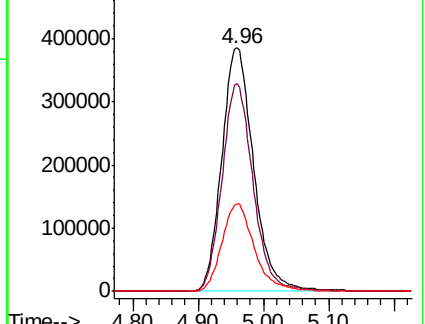
51 36.8 29.7 44.5



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: 366.759 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058156.D

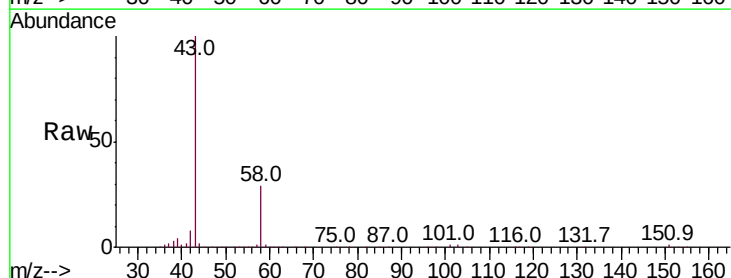
Acq: 18 Sep 2019 10:49

Tgt Ion: 43 Resp: 1310306

Ion Ratio Lower Upper

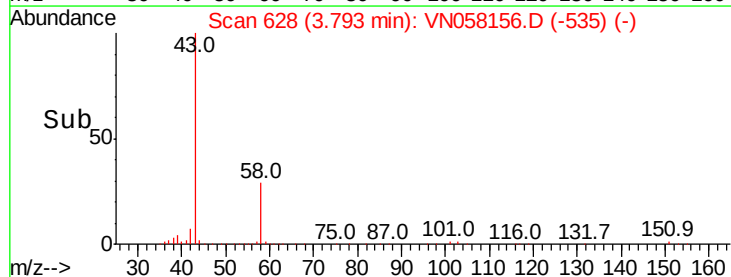
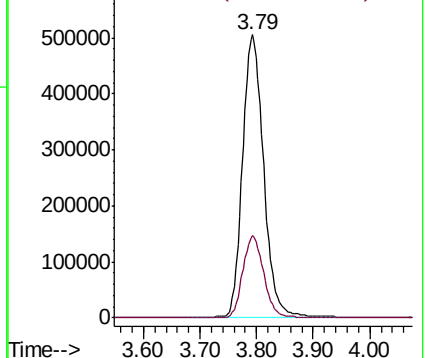
43 100

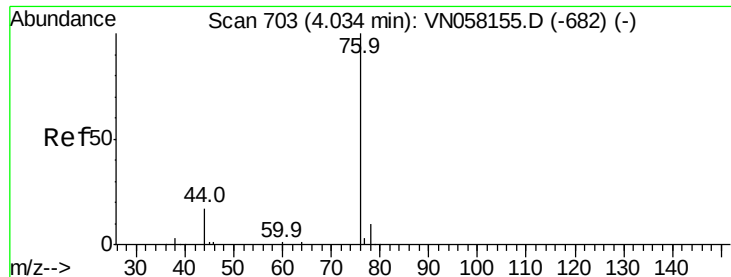
58 28.9 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.363 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

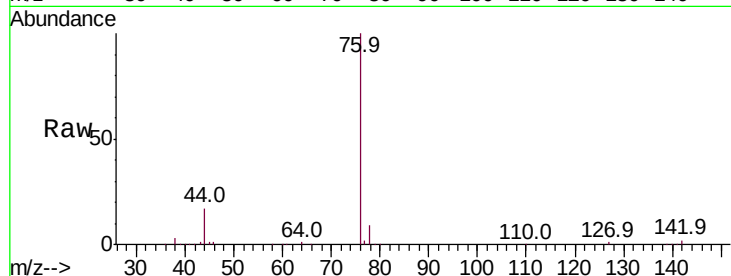
VSTDIC100

Tot Ion: 76 Resp: 483355

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

200000

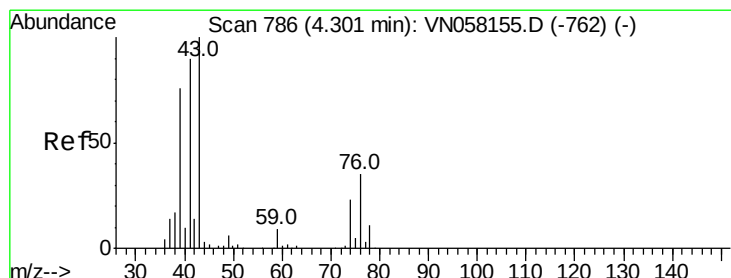
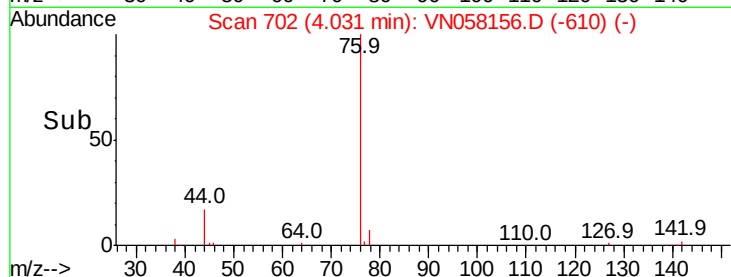
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 71.249 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058156.D

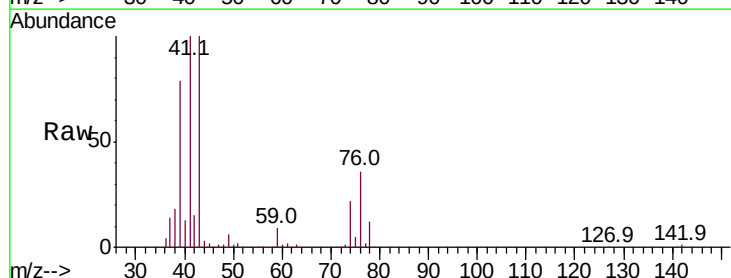
Acq: 18 Sep 2019 10:49

Tgt Ion: 43 Resp: 681247

Ion Ratio Lower Upper

43 100

74 22.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

250000

200000

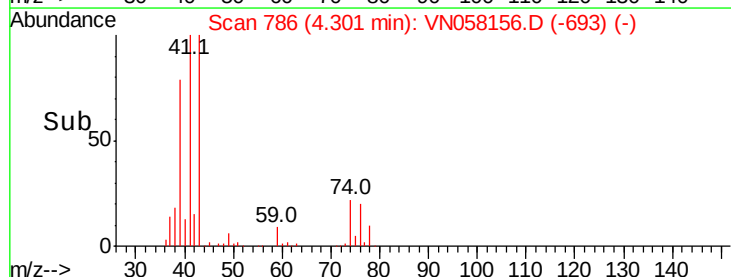
150000

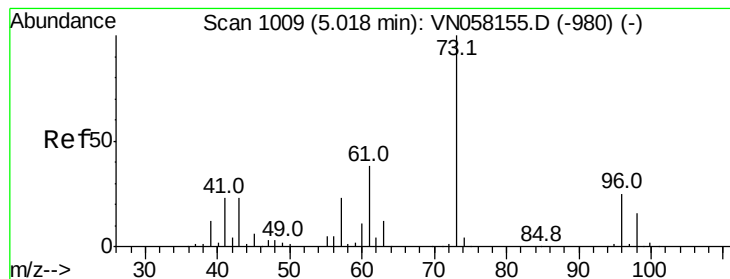
100000

50000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 73.215 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampled :

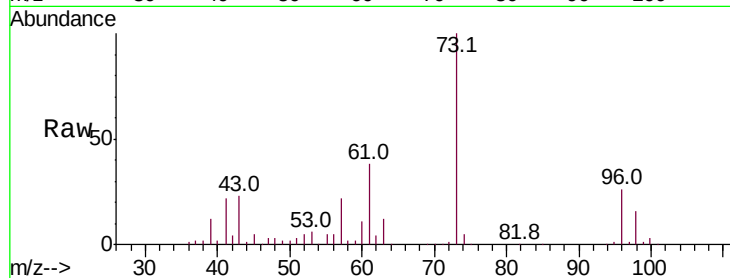
VSTDIC100

Tot Ion: 73 Resp: 1751959

Ion Ratio Lower Upper

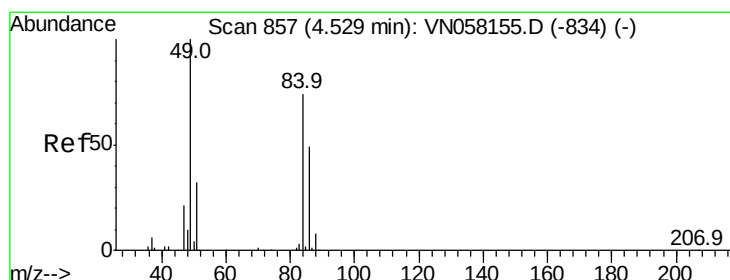
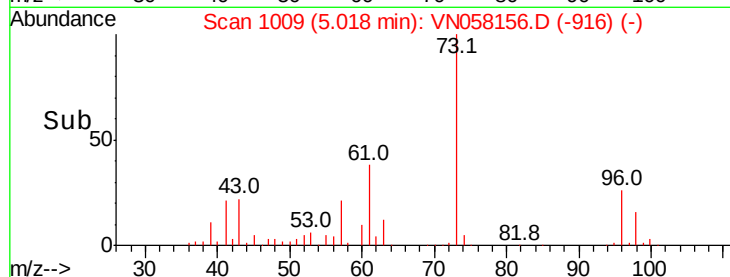
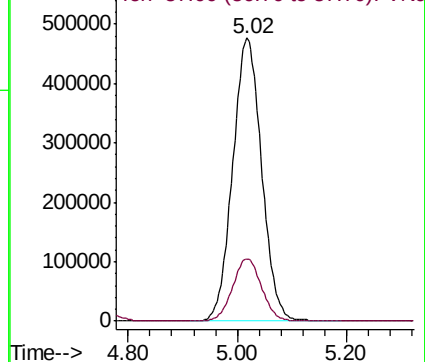
73 100

57 21.9 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



#20

Methylene Chloride

Concen: 60.695 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion: 84 Resp: 471336

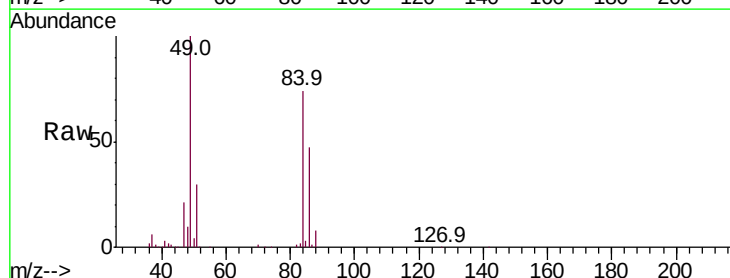
Ion Ratio Lower Upper

84 100

49 135.6 107.5 161.3

51 40.5 33.9 50.9

86 63.6 52.4 78.6

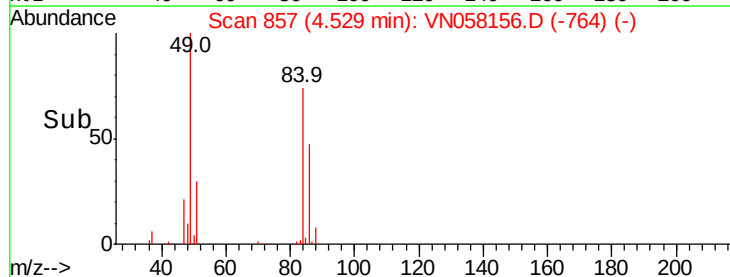
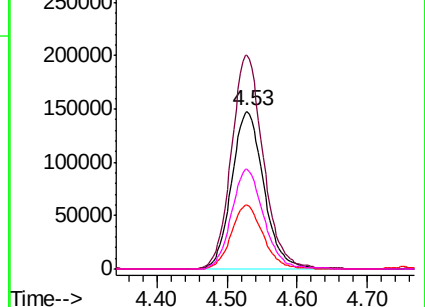


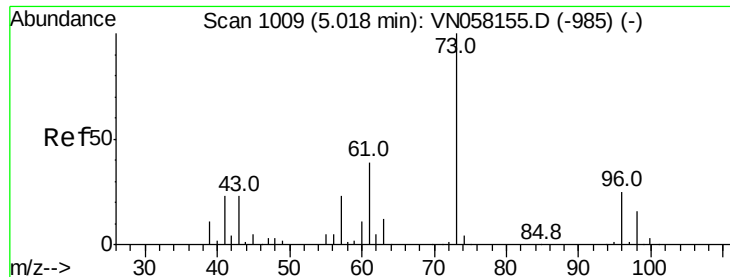
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

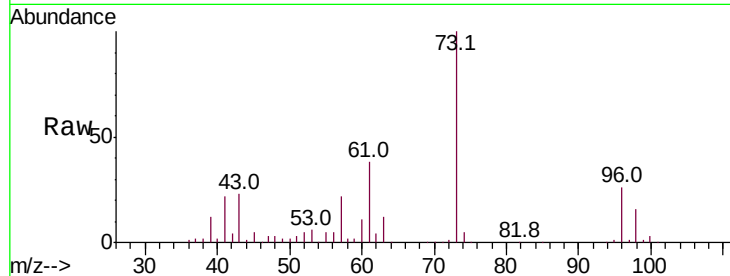




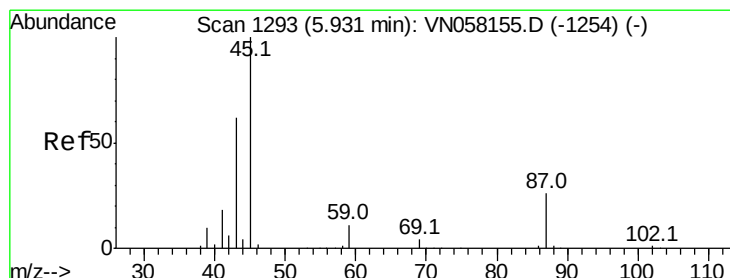
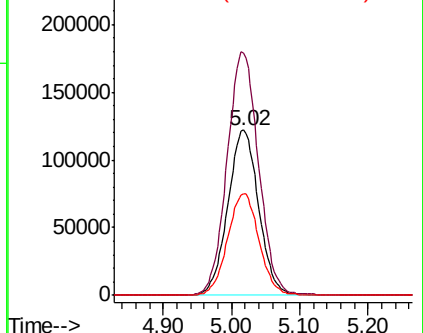
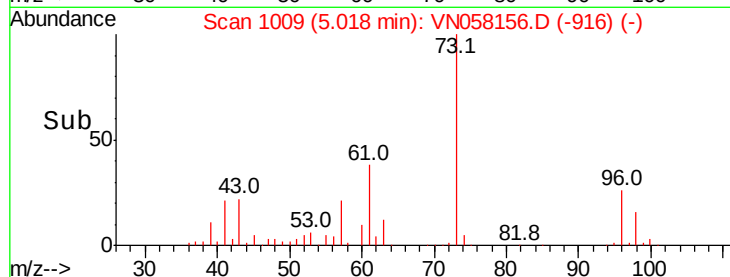
#21
trans-1,2-Dichloroethene
Concen: 62.263 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 384944
Ion Ratio Lower Upper
96 100
61 147.0 122.2 183.4
98 61.7 49.9 74.9

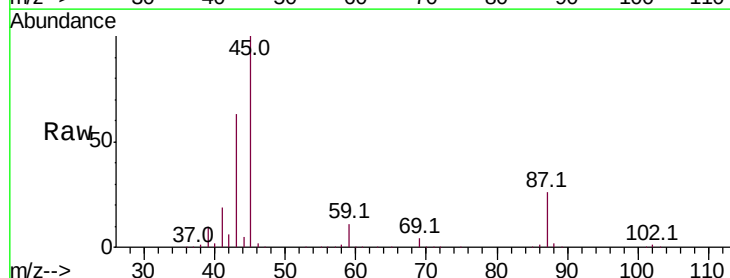


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

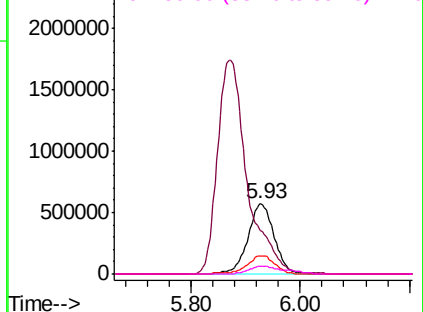
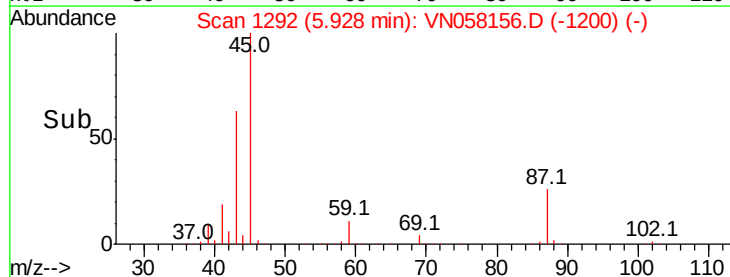


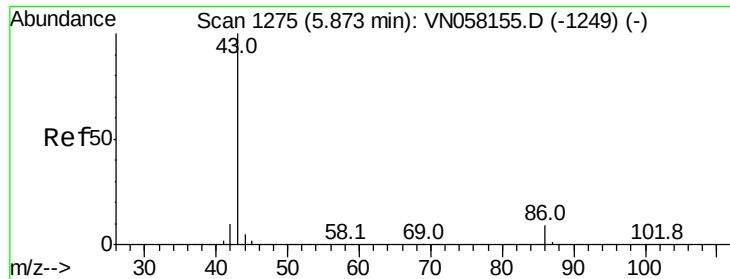
#22
Diisopropyl ether
Concen: 72.648 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 45 Resp: 1915922
Ion Ratio Lower Upper
45 100
43 63.1 49.7 74.5
87 26.3 20.7 31.1
59 11.1 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: 353.785 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

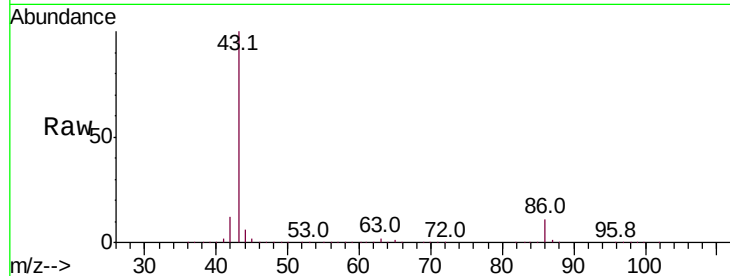
VSTDIC100

Tot Ion: 43 Resp: 6574189

Ion Ratio Lower Upper

43 100

86 11.5 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

2000000

1500000

1000000

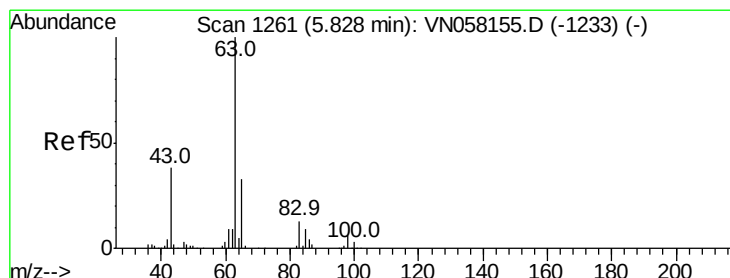
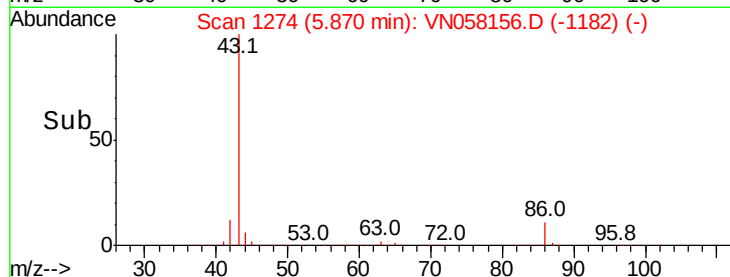
500000

0

5.87

5.80 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 69.070 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

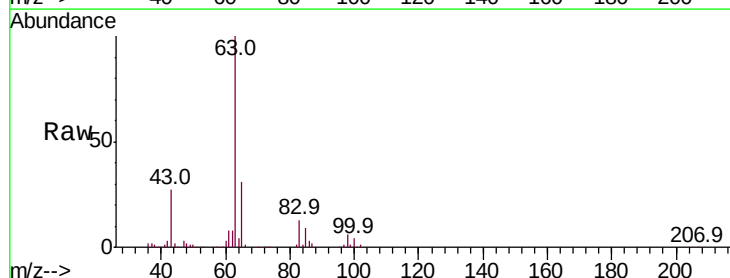
Tgt Ion: 63 Resp: 994118

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

100 3.8 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

400000

300000

200000

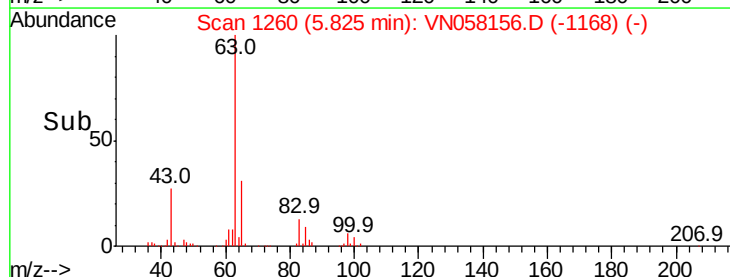
100000

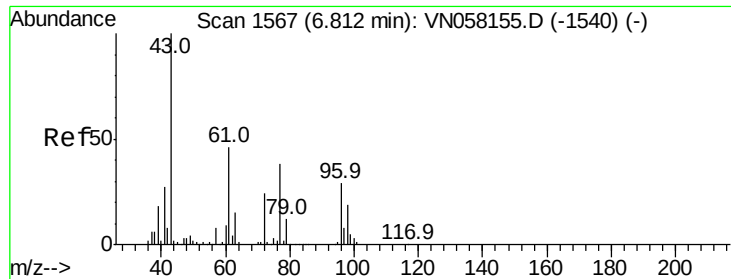
0

5.82

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 370.320 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

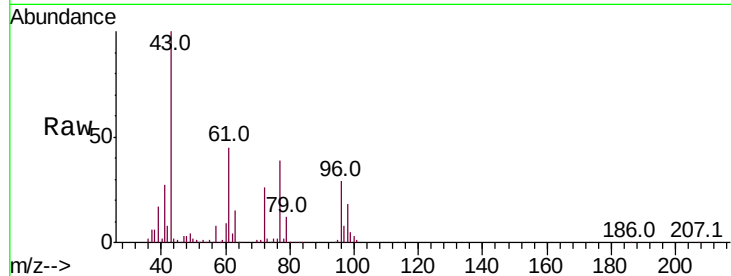
VSTDIC100

Tot Ion: 43 Resp: 1916318

Ion Ratio Lower Upper

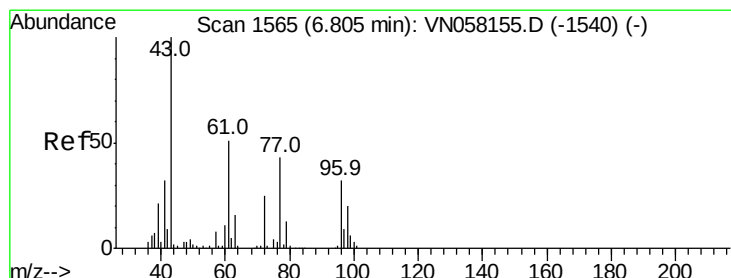
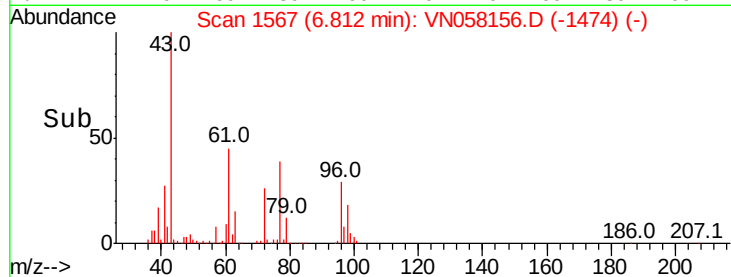
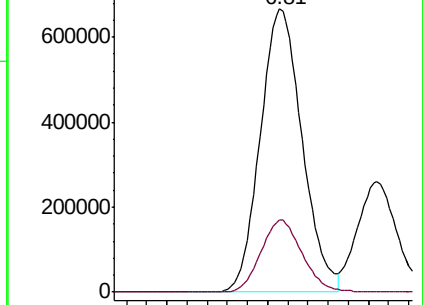
43 100

72 25.6 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 75.538 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058156.D

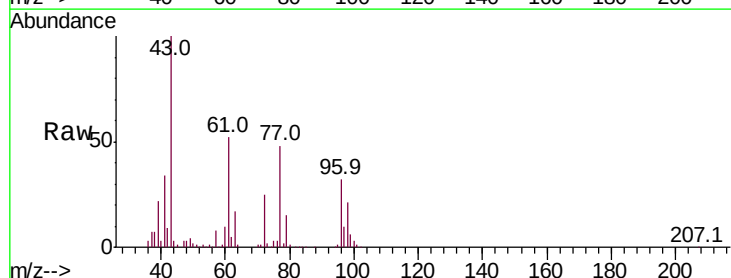
Acq: 18 Sep 2019 10:49

Tgt Ion: 77 Resp: 862792

Ion Ratio Lower Upper

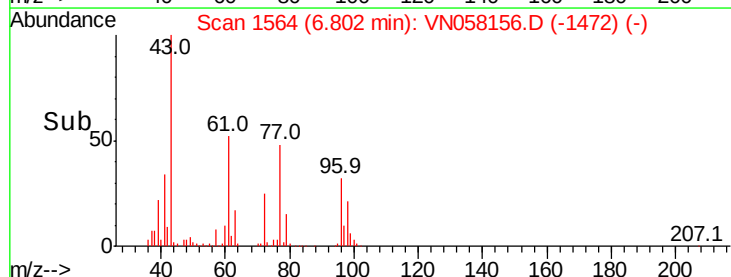
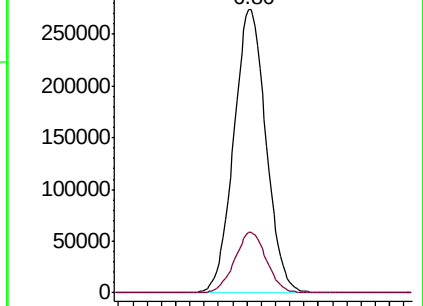
77 100

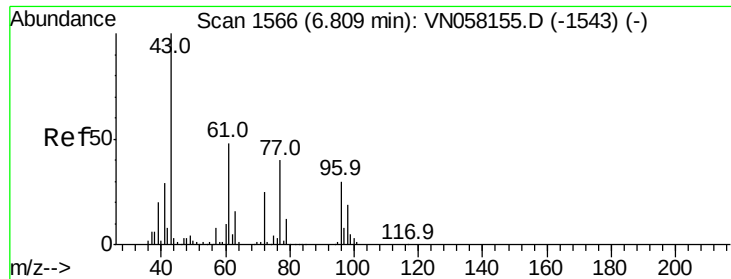
97 21.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 67.048 ug/l

RT: 6.81 min Scan# 1566

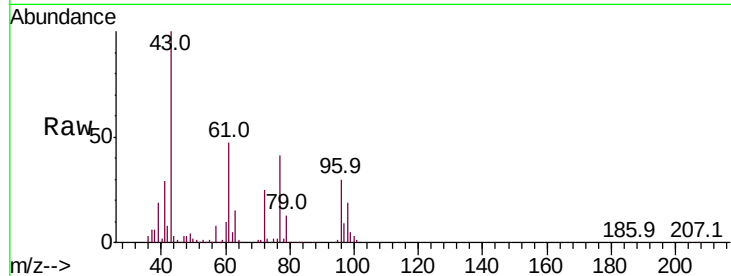
Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	319.0
98	64.6	0.0	126.6

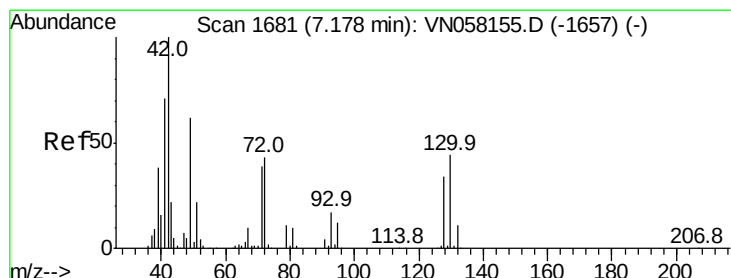
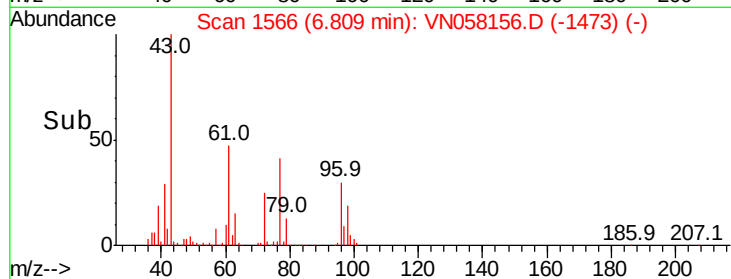
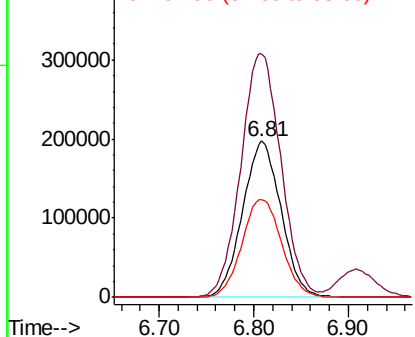


Abundance

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: 67.833 ug/l

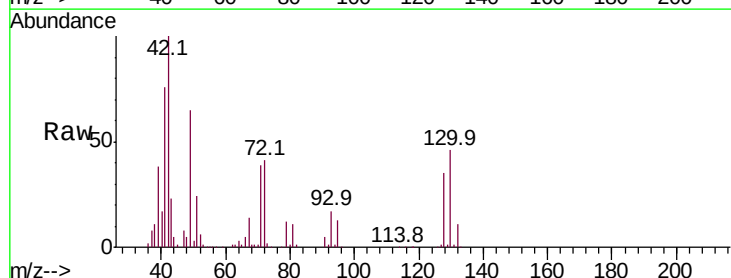
RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.8#
130	69.7	55.4	83.2

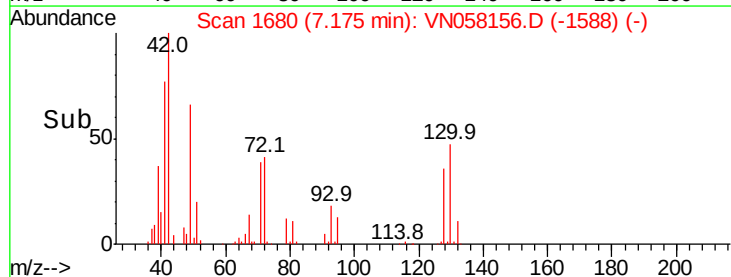
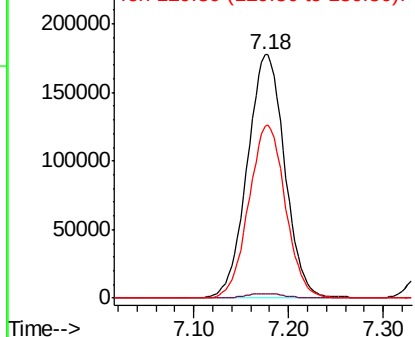


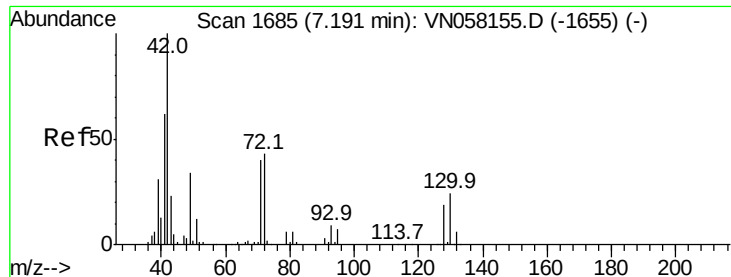
Abundance

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: 354.892 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

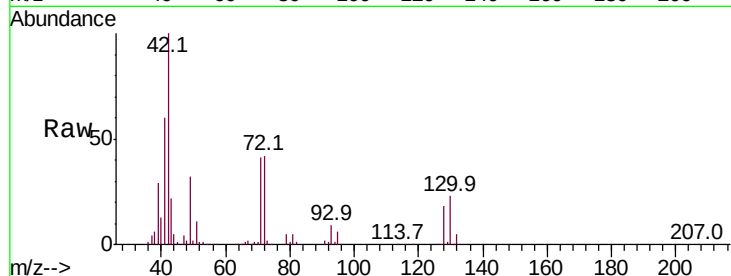
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 1131763

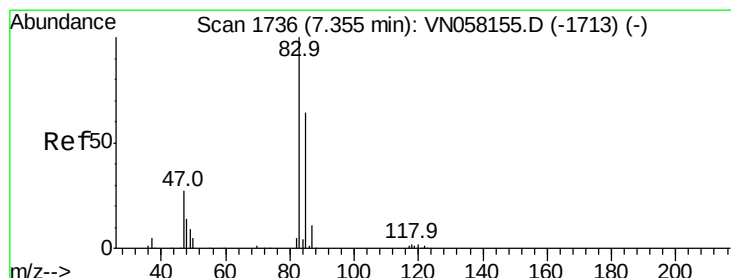
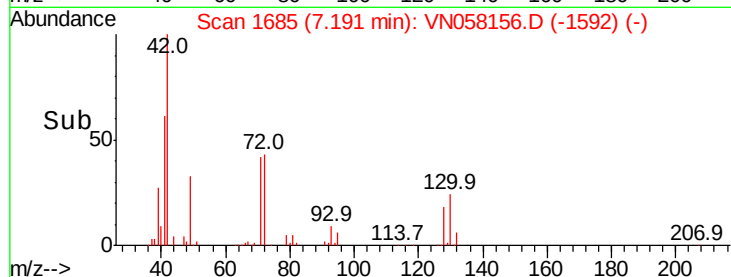
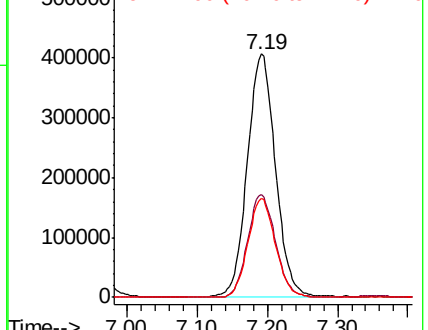
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.8	50.6
71	39.6	31.4	47.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 70.348 ug/l

RT: 7.36 min Scan# 1736

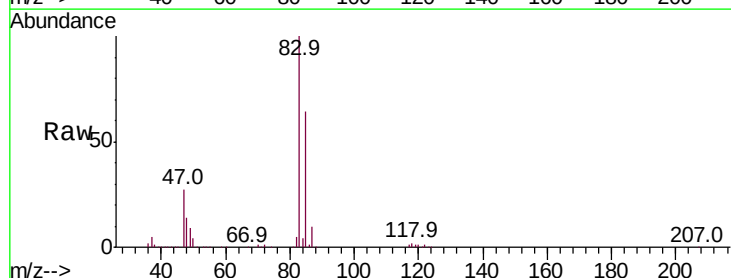
Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

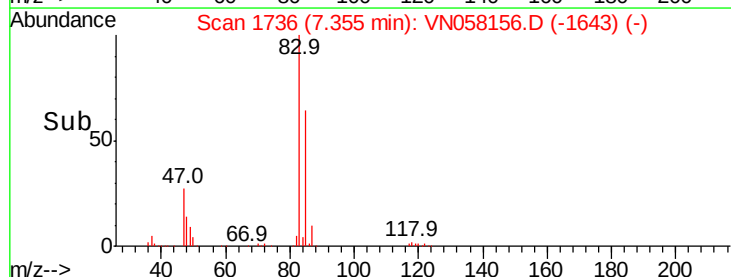
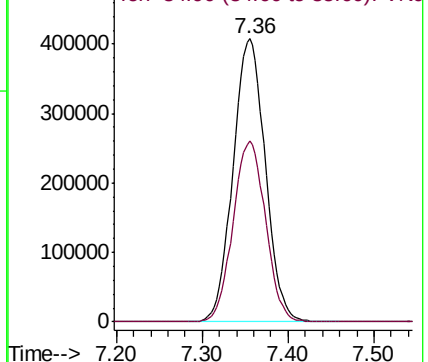
Tgt Ion: 83 Resp: 1061556

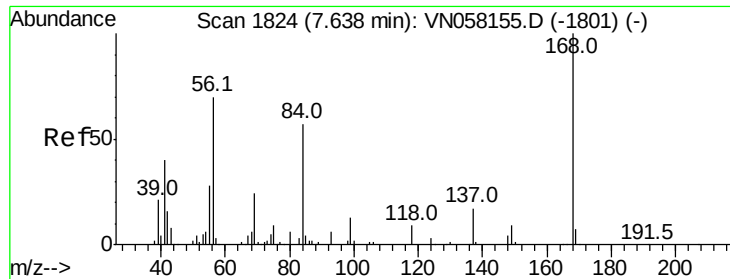
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

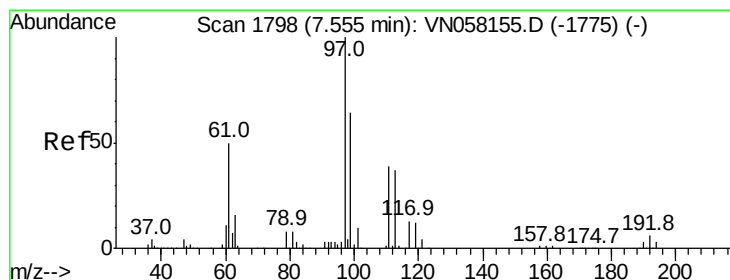
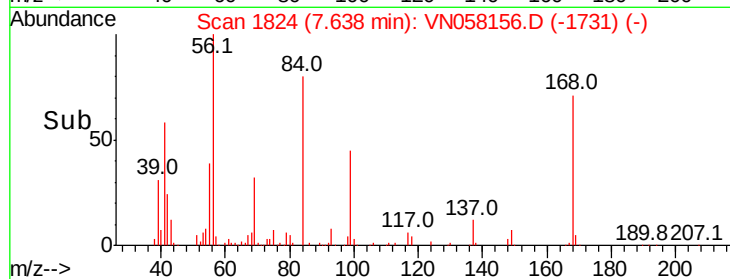
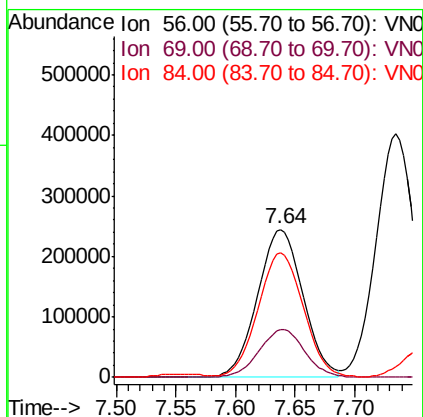
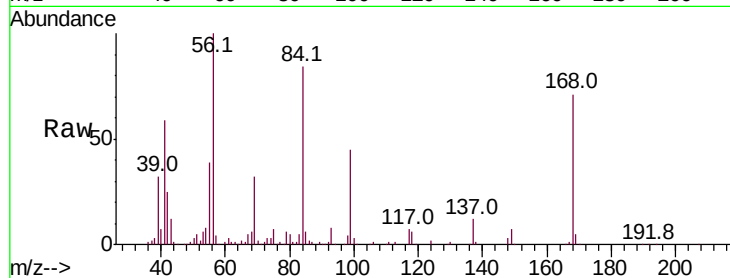




#31
Cyclohexane
Concen: 60.978 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

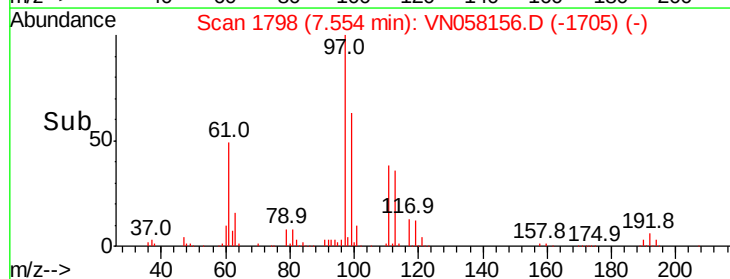
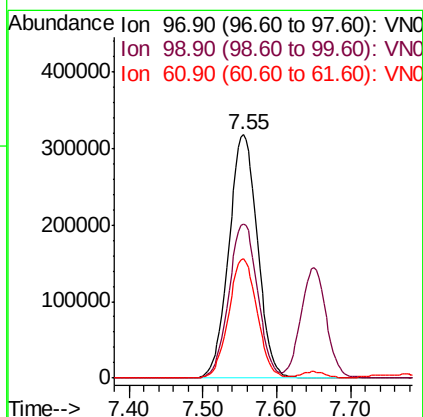
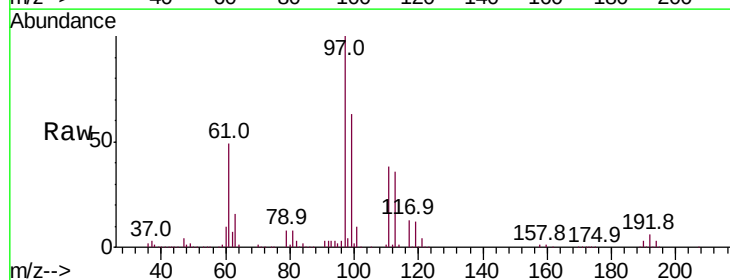
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

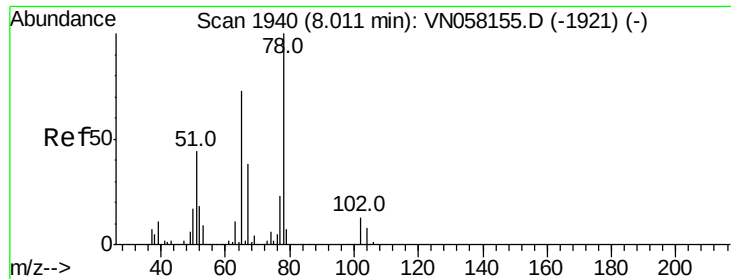
Tot Ion: 56 Resp: 646500
Ion Ratio Lower Upper
56 100
69 32.3 27.3 40.9
84 82.1 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 71.821 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 97 Resp: 858922
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 48.6 39.2 58.8

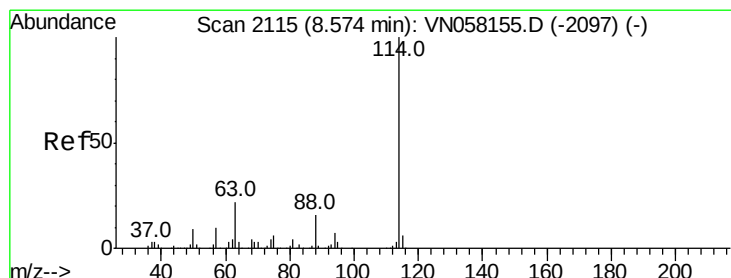
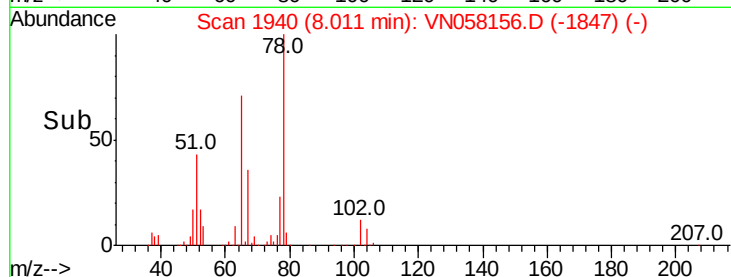
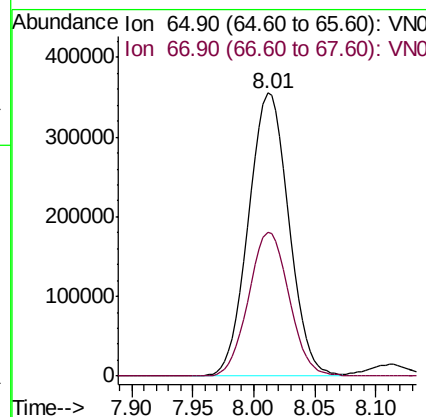
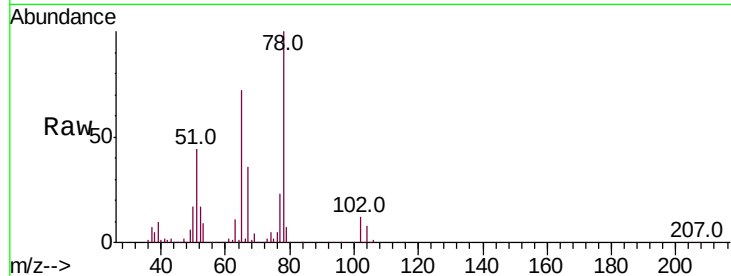




#33
 1,2-Dichloroethane-d4
 Concen: 74.757 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

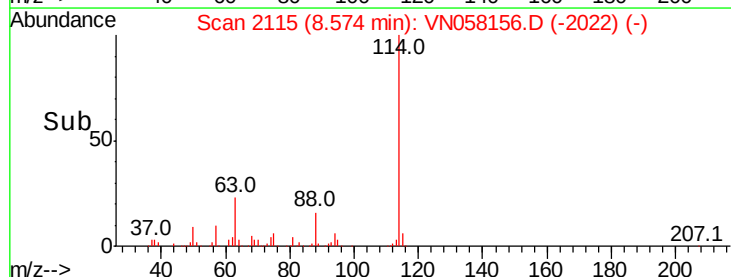
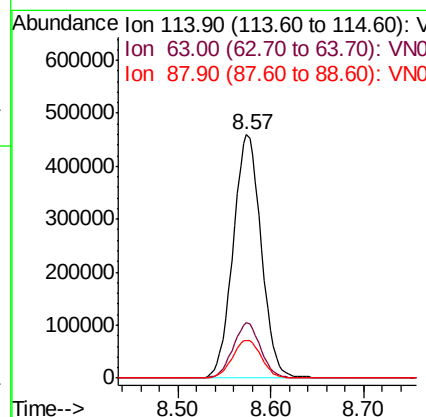
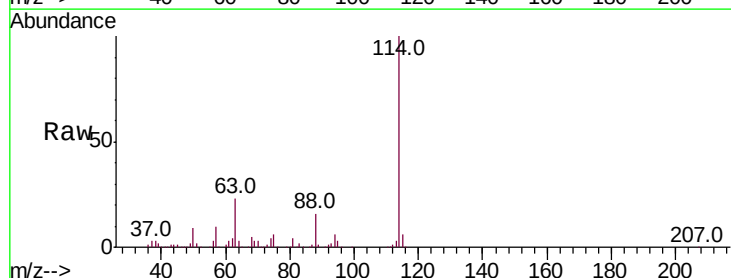
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

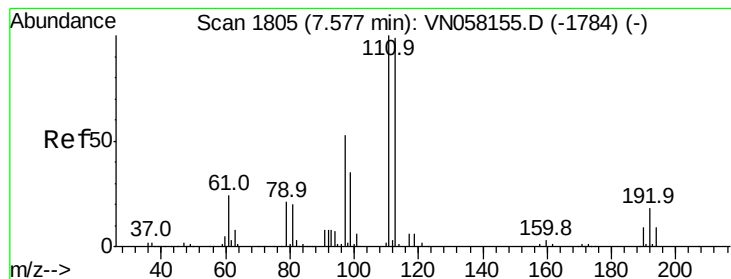
Tot Ion: 65 Resp: 813337
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 114 Resp: 965146
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.2
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 71.118 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

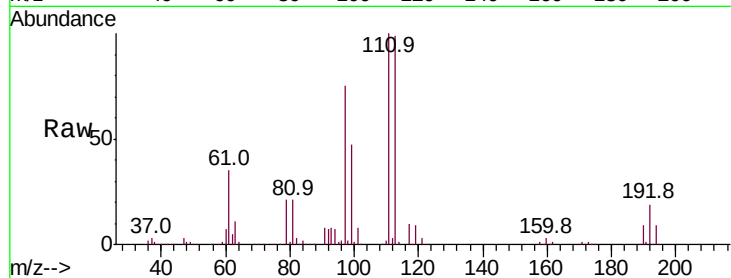
Tot Ion:113 Resp: 592751

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

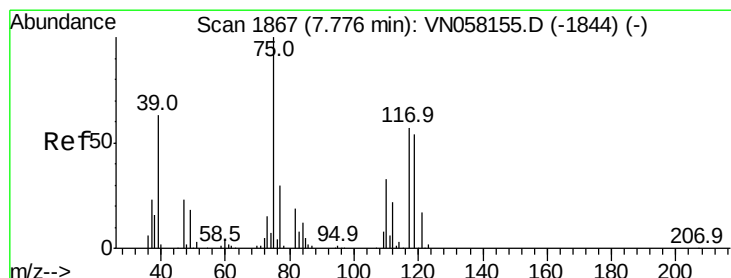
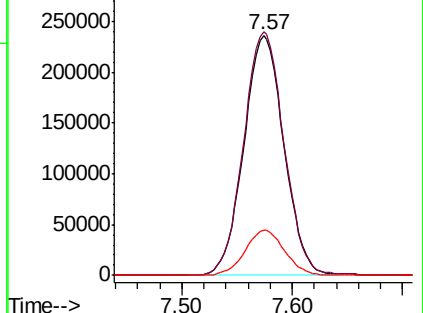
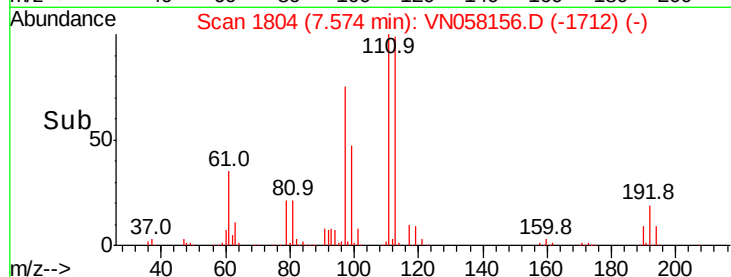
192 18.7 14.5 21.7



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: 60.605 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

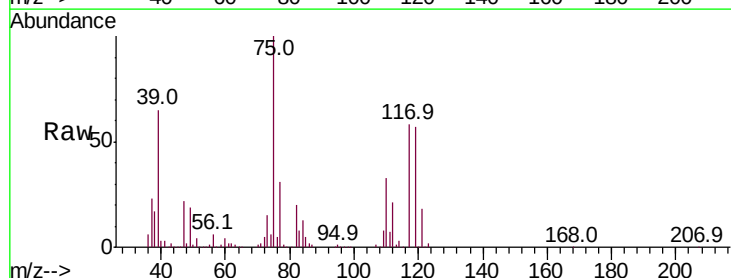
Tgt Ion: 75 Resp: 635672

Ion Ratio Lower Upper

75 100

110 33.6 16.6 49.7

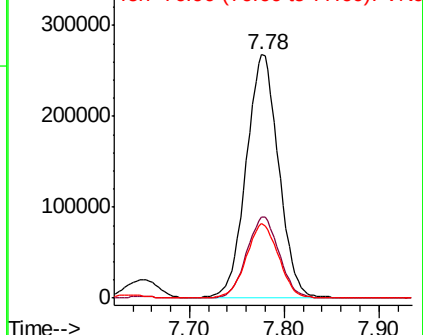
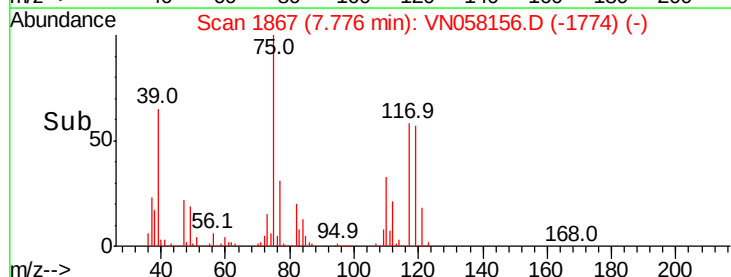
77 30.8 24.3 36.5

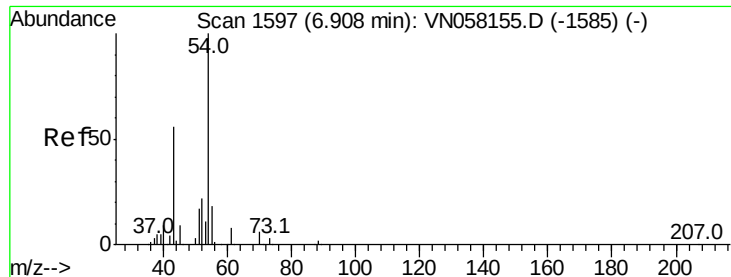


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



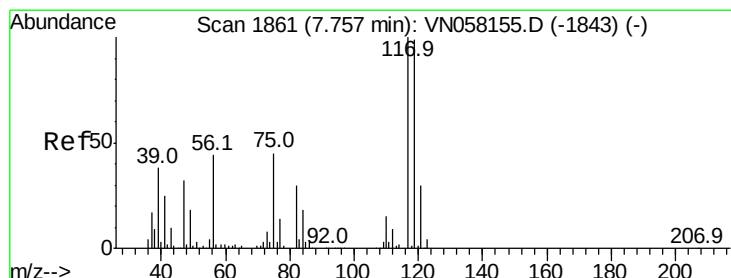
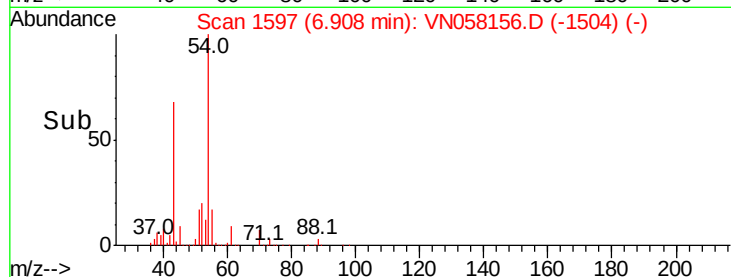
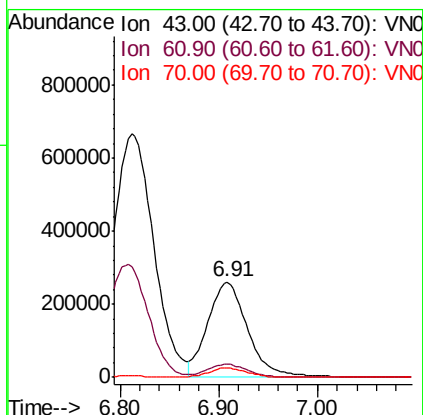
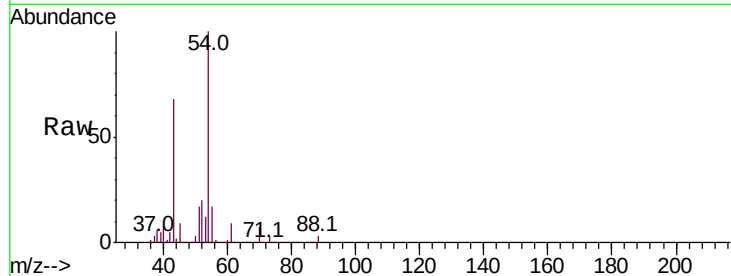


#37
Ethyl Acetate
Concen: 66.375 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 721624

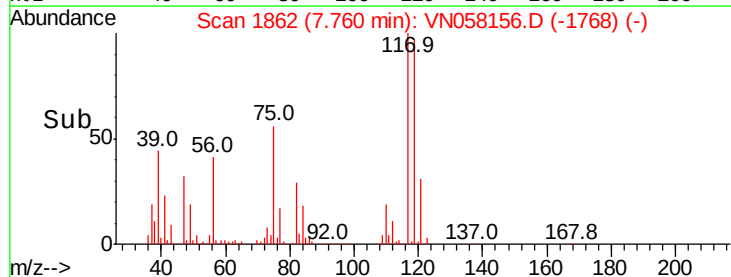
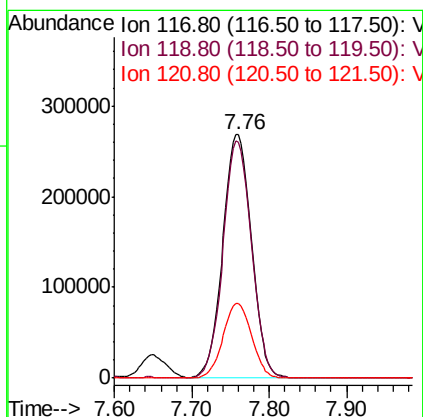
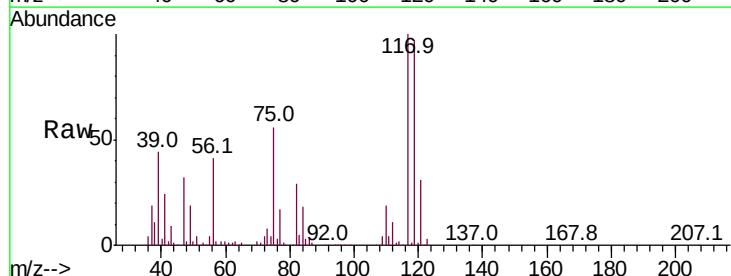
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.7	7.6	11.4

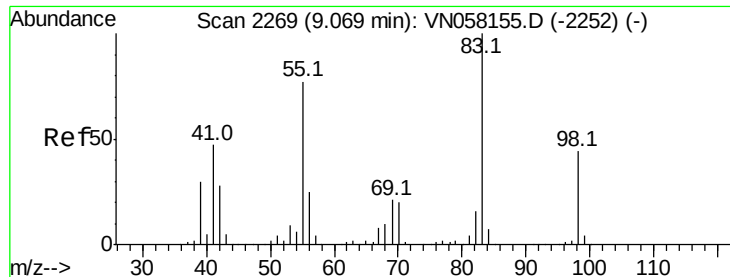


#38
Carbon Tetrachloride
Concen: 71.891 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 117 Resp: 691341

Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.6	117.8
121	30.7	24.1	36.1

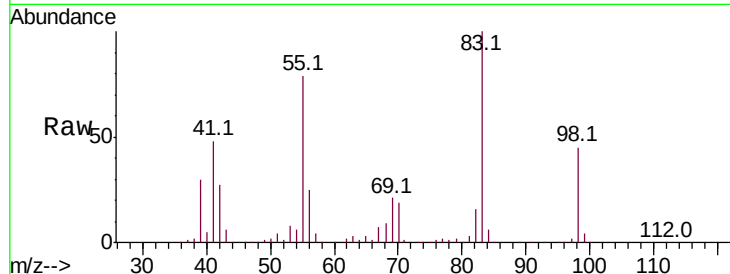




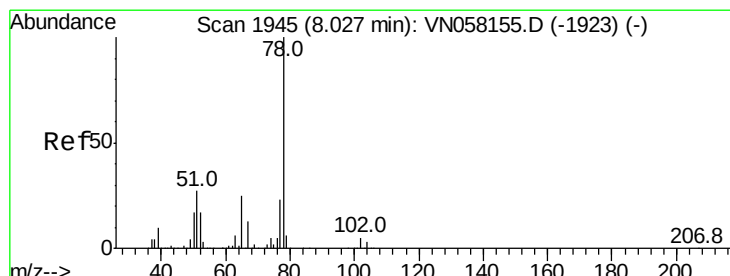
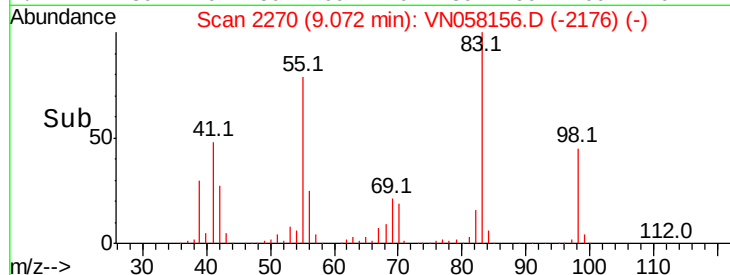
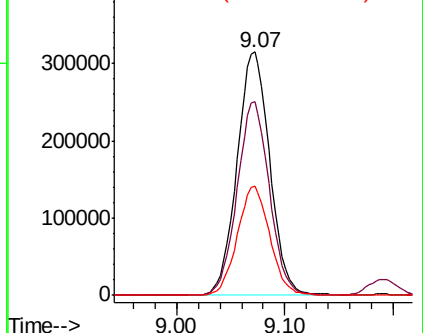
#39
Methylvlcyclohexane
Concen: 60.608 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 666599
Ion Ratio Lower Upper
83 100
55 79.3 61.9 92.9
98 44.6 35.4 53.2

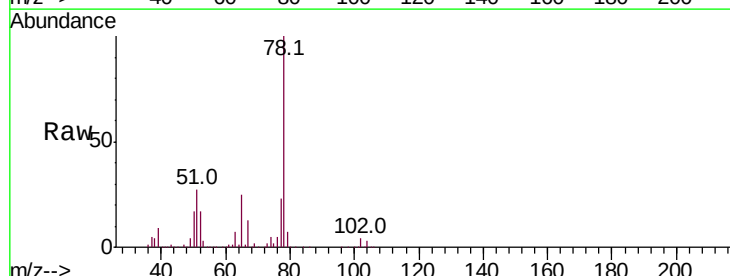


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

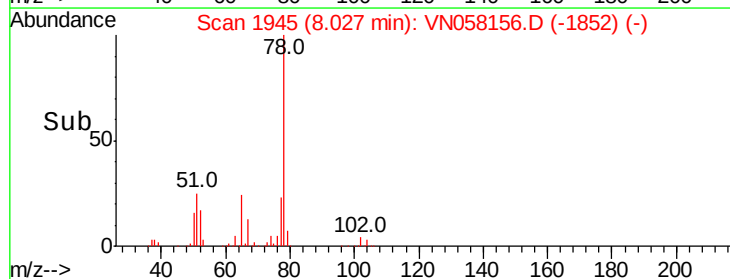
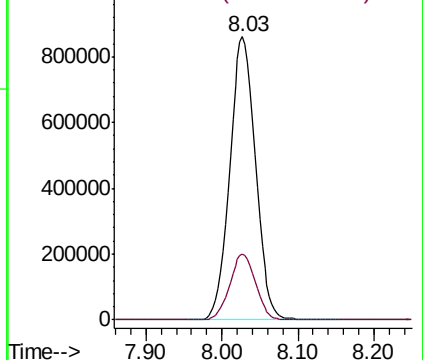


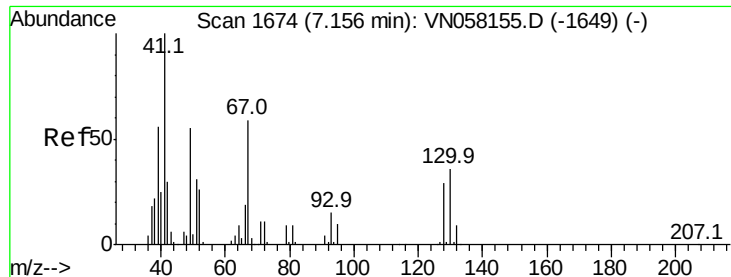
#40
Benzene
Concen: 63.901 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 78 Resp: 2017893
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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





#41

Methacrylonitrile

Concen: 78.367 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 386331

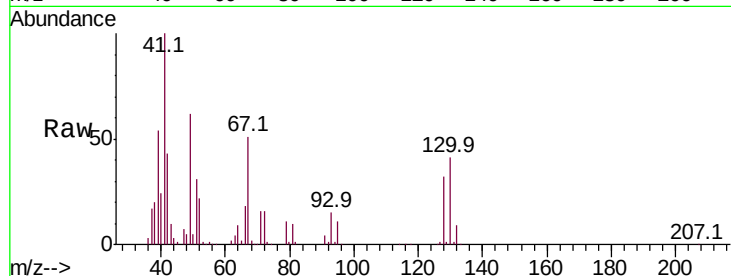
Ion Ratio Lower Upper

41 100

39 56.4 0.0 0.0#

67 77.8 0.0 0.0#

52 34.4 0.0 0.0#

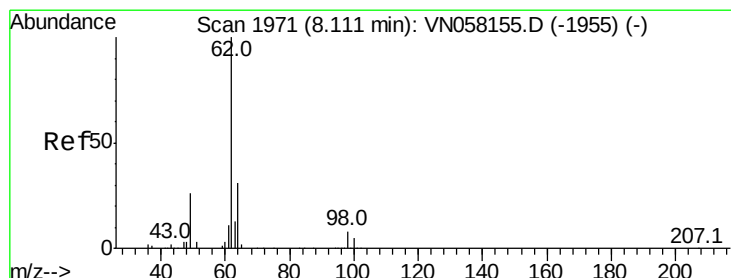
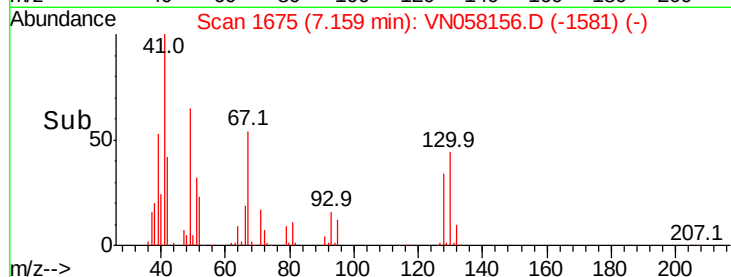
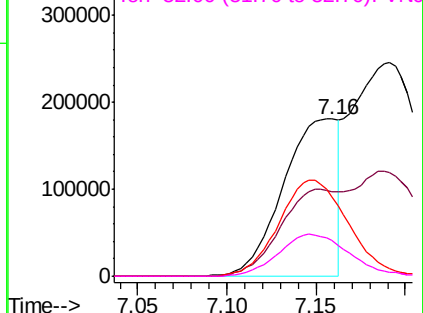


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 67.277 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058156.D

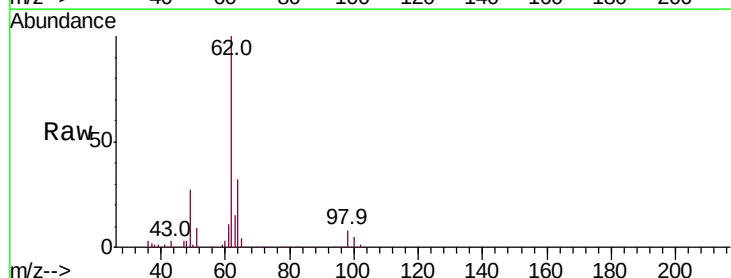
Acq: 18 Sep 2019 10:49

Tgt Ion: 62 Resp: 852484

Ion Ratio Lower Upper

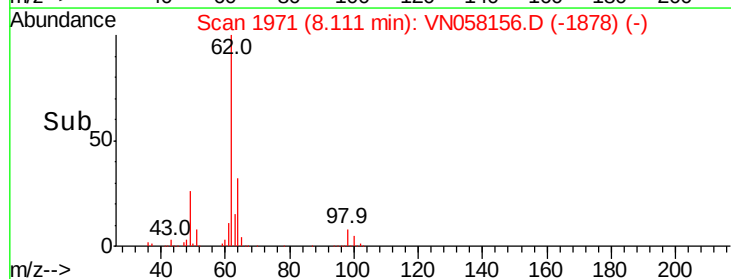
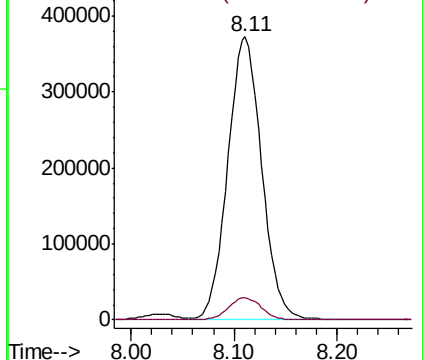
62 100

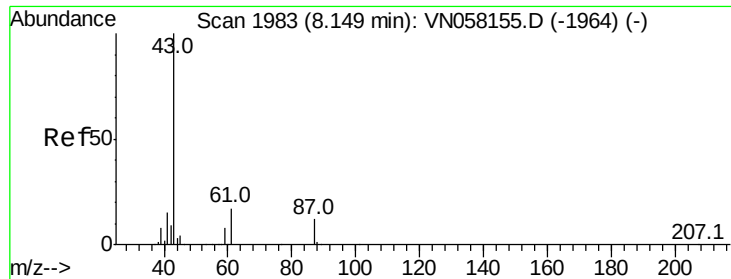
98 7.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 72.286 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

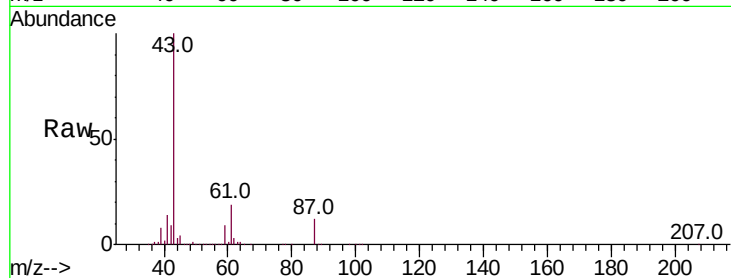
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1322111

Ion	Ratio	Lower	Upper
43	100		
61	24.5	19.7	29.5
87	12.1	9.4	14.2

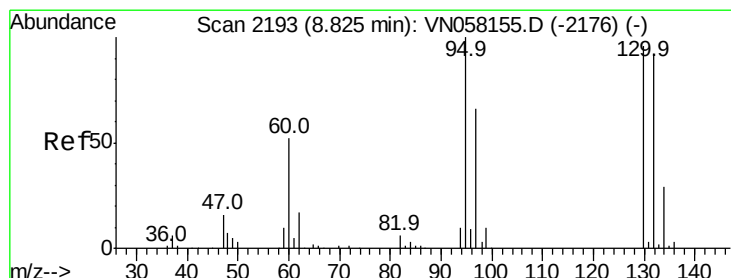
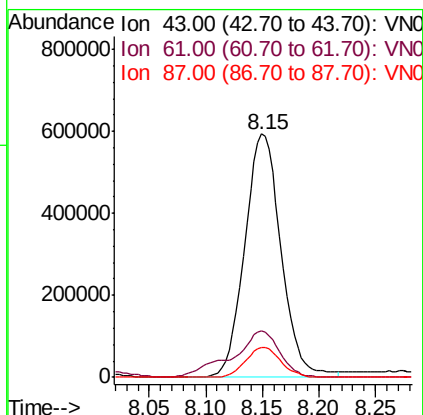
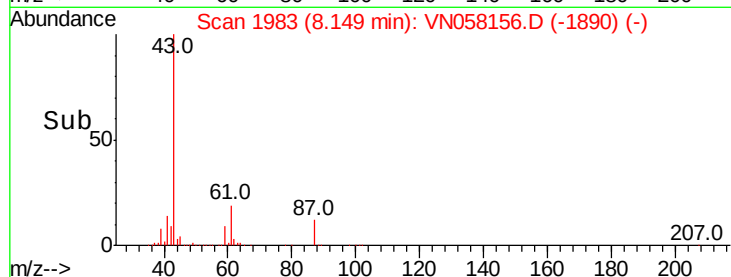


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 64.856 ug/l

RT: 8.82 min Scan# 2193

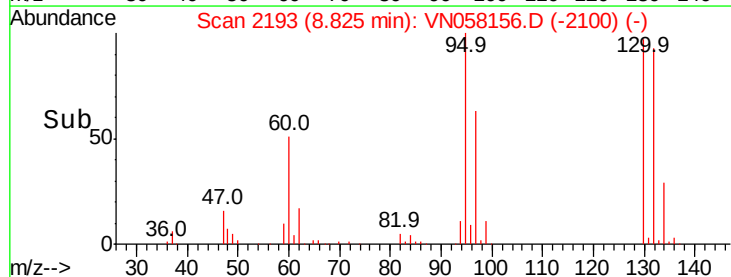
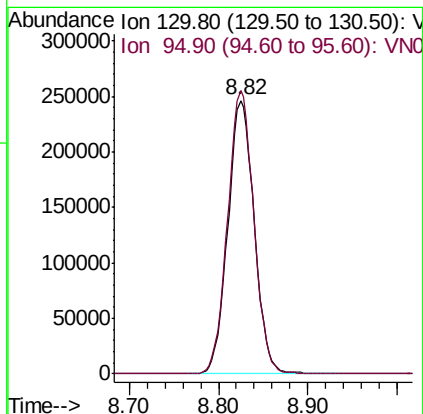
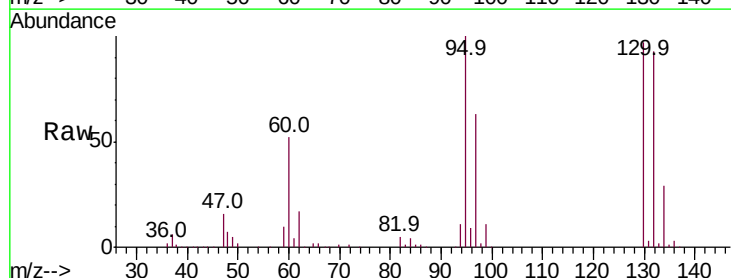
Delta R.T. -0.00 min

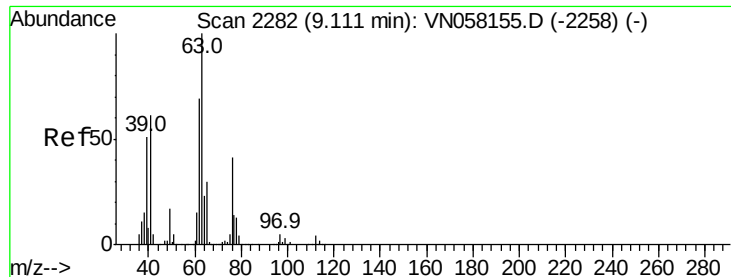
Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion:130 Resp: 503760

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	207.8





#45

1,2-Dichloropropane

Concen: 67.122 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

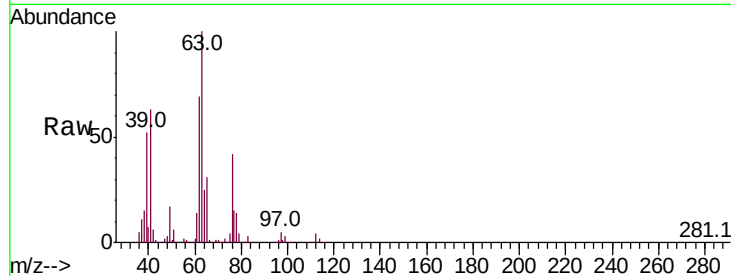
VSTDIC100

Tot Ion: 63 Resp: 619095

Ion Ratio Lower Upper

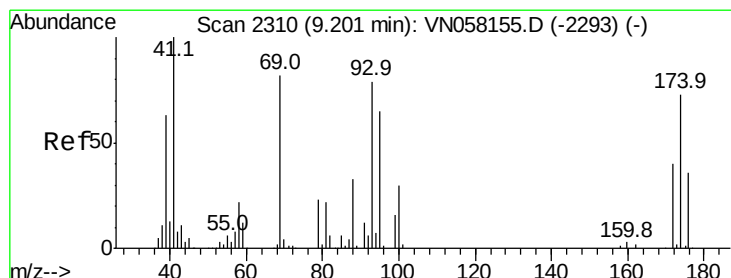
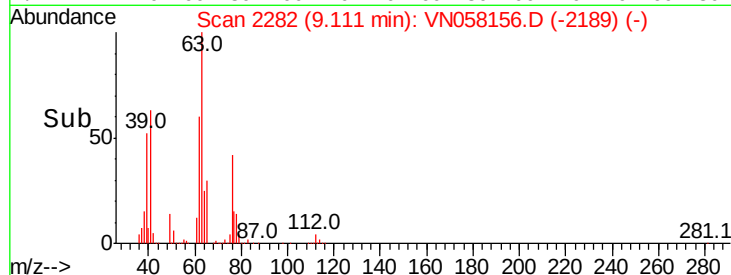
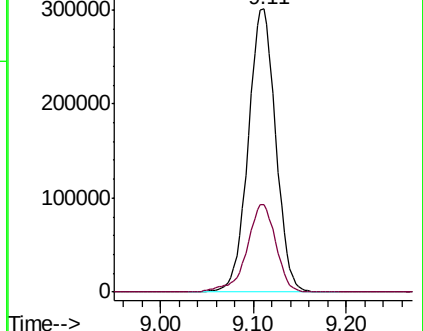
63 100

65 30.9 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 67.976 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

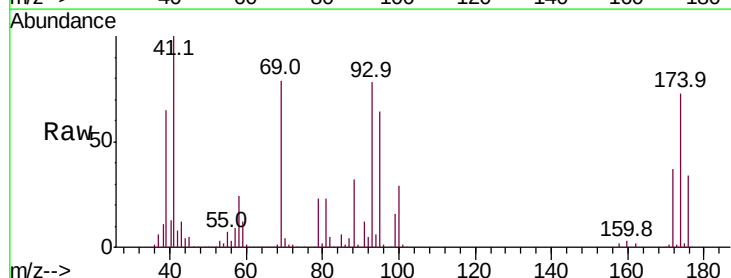
Tgt Ion: 93 Resp: 378469

Ion Ratio Lower Upper

93 100

95 82.1 66.8 100.2

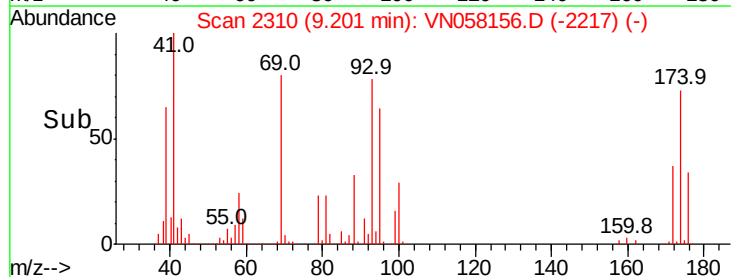
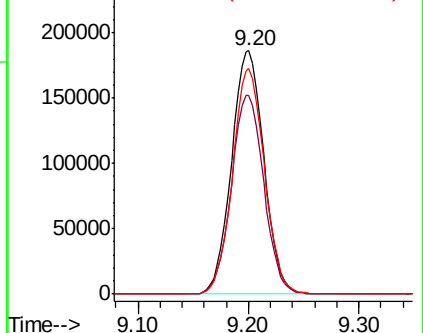
174 91.4 73.8 110.8

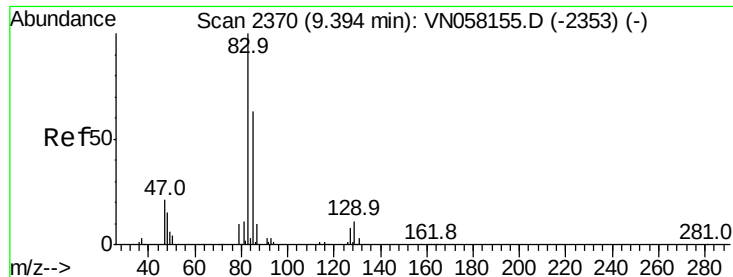


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 77.134 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

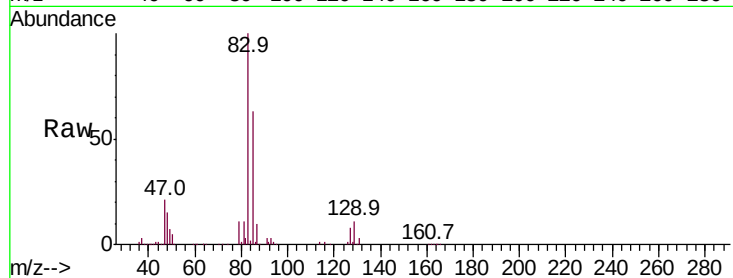
Tot Ion: 83 Resp: 855171

Ion Ratio Lower Upper

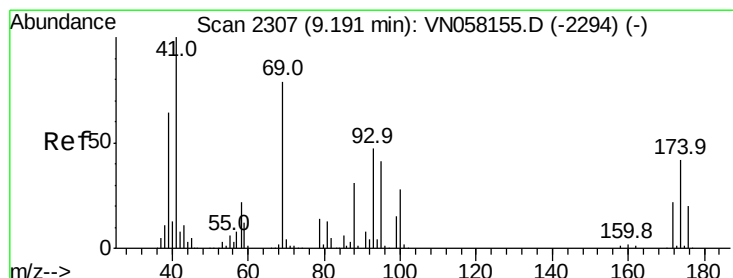
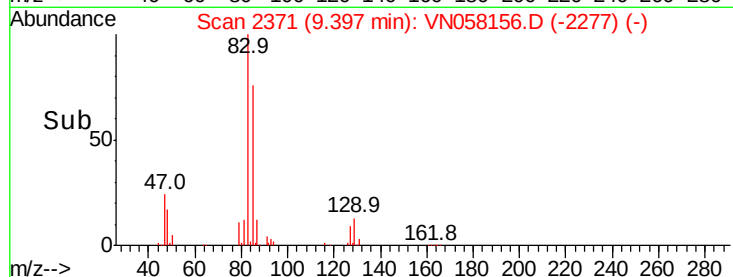
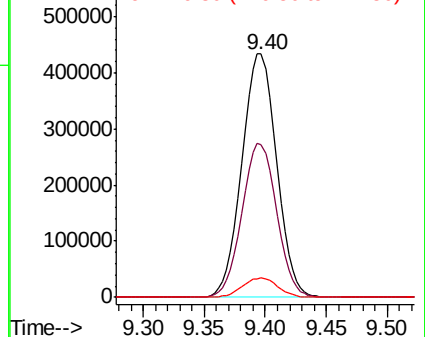
83 100

85 62.8 50.1 75.1

127 7.8 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: 68.611 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

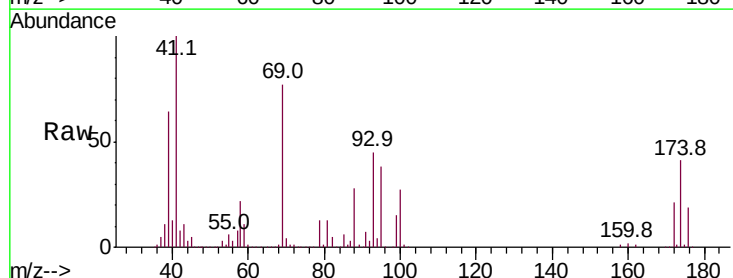
Tgt Ion: 41 Resp: 632971

Ion Ratio Lower Upper

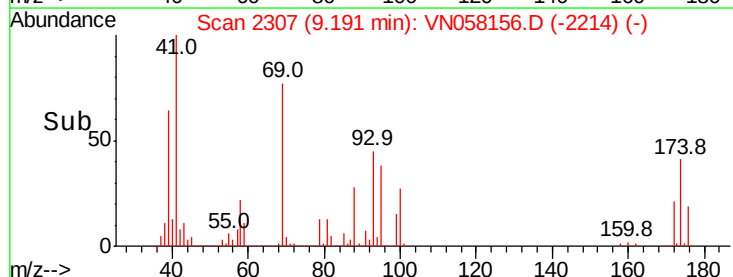
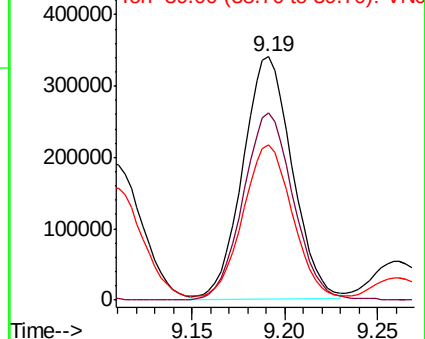
41 100

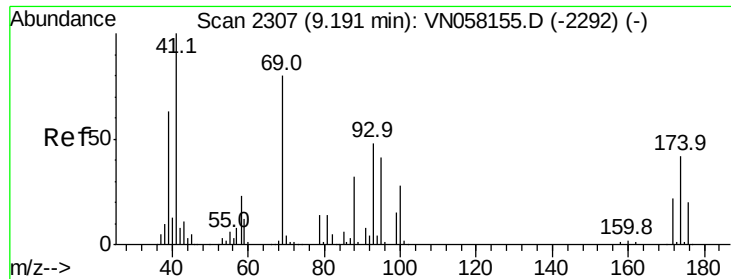
69 78.1 62.5 93.7

39 64.7 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

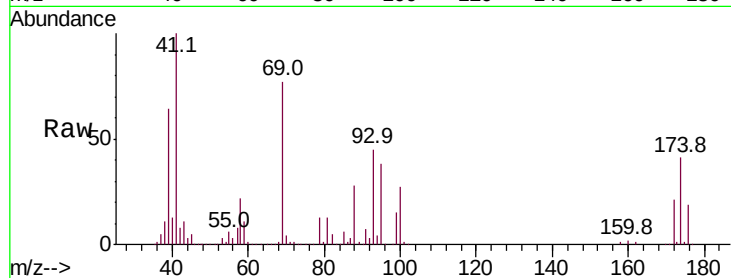




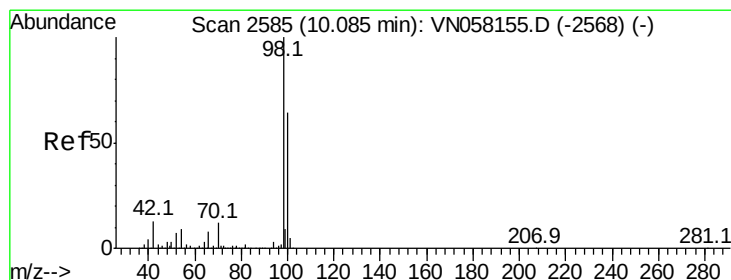
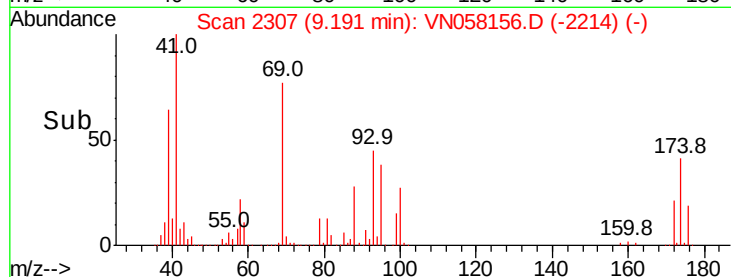
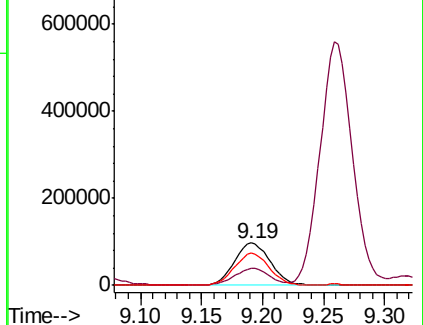
#49
1,4-Dioxane
Concen: 1271.278 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 199294
Ion Ratio Lower Upper
88 100
43 36.6 27.8 41.8
58 74.0 55.0 82.4

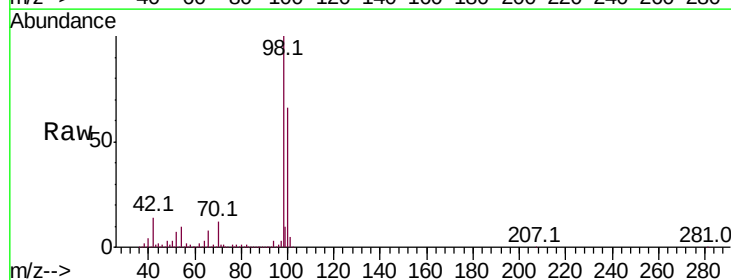


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

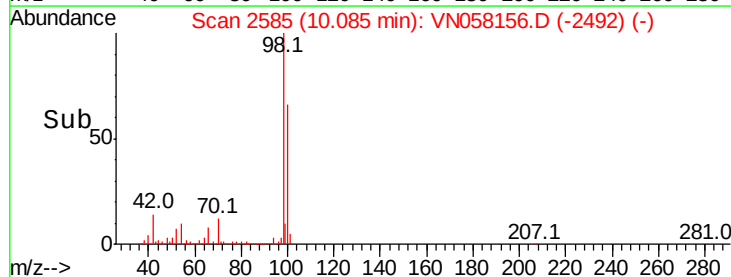
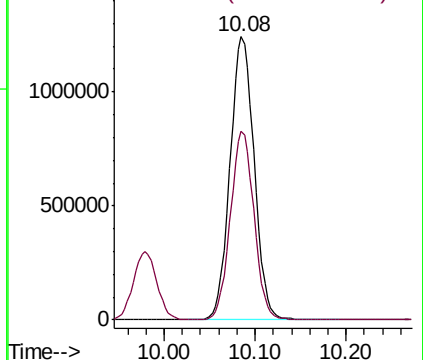


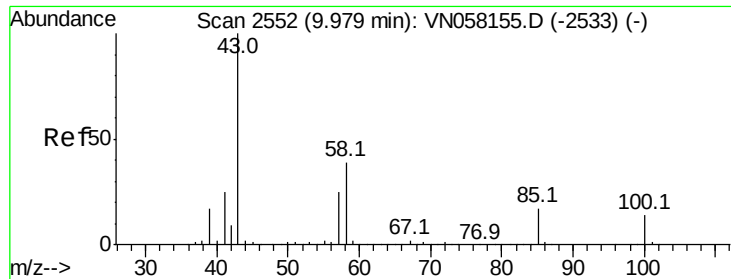
#50
Toluene-d8
Concen: 70.997 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 98 Resp: 2286362
Ion Ratio Lower Upper
98 100
100 65.3 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: 328.857 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

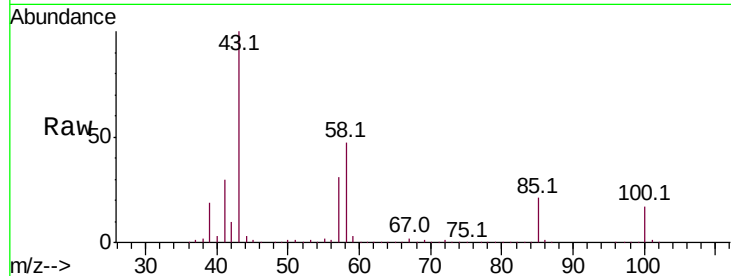
VSTDIC100

Tot Ion: 43 Resp: 3519386

Ion Ratio Lower Upper

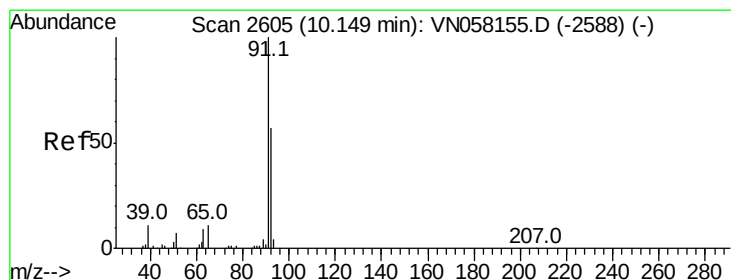
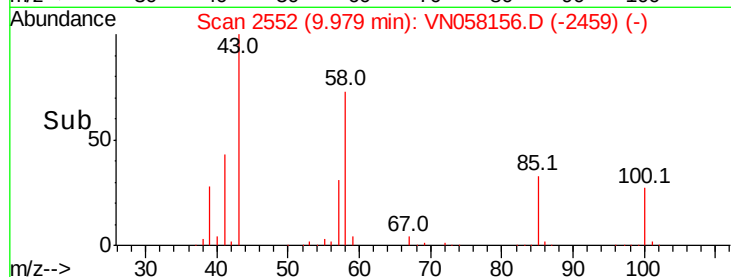
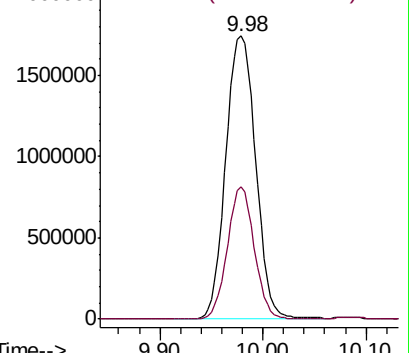
43 100

58 42.0 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: 65.451 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058156.D

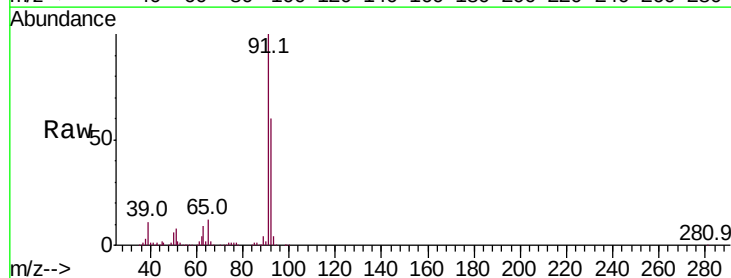
Acq: 18 Sep 2019 10:49

Tgt Ion: 92 Resp: 1300349

Ion Ratio Lower Upper

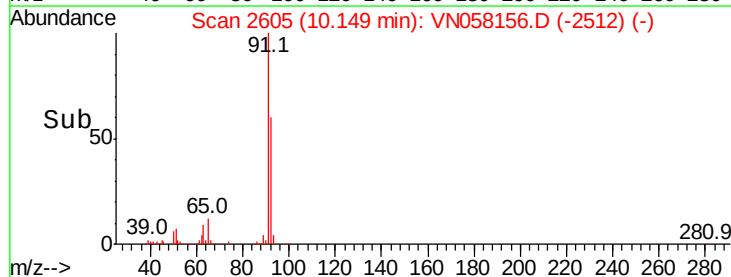
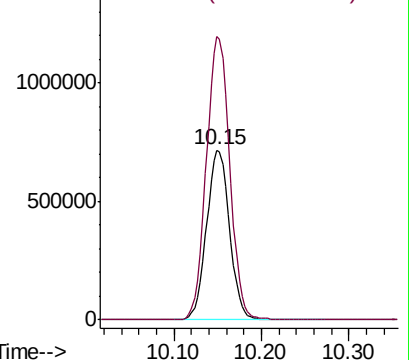
92 100

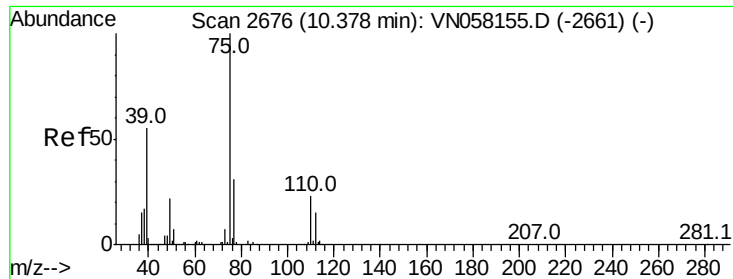
91 170.5 140.2 210.2



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: 79.118 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

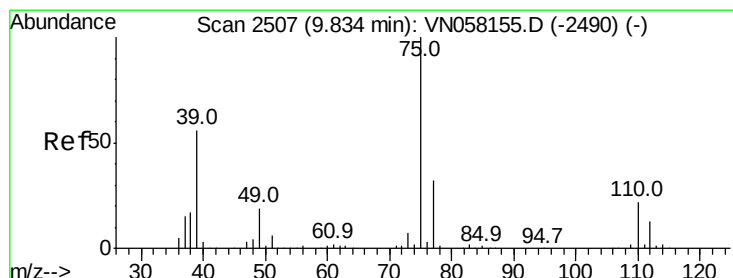
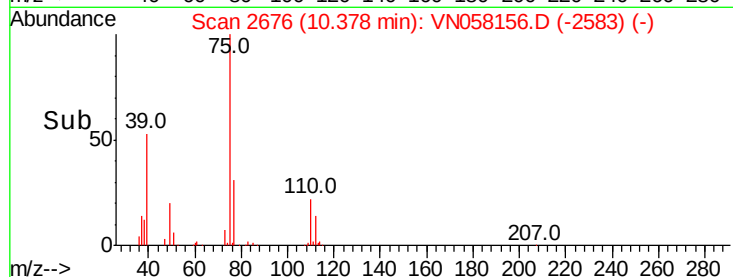
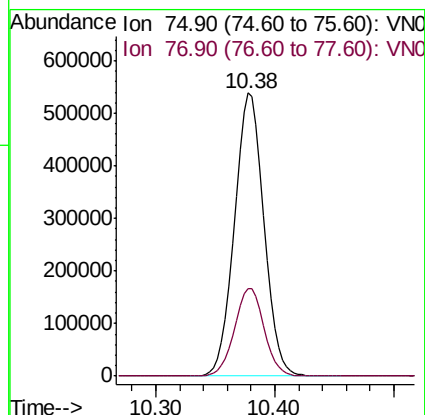
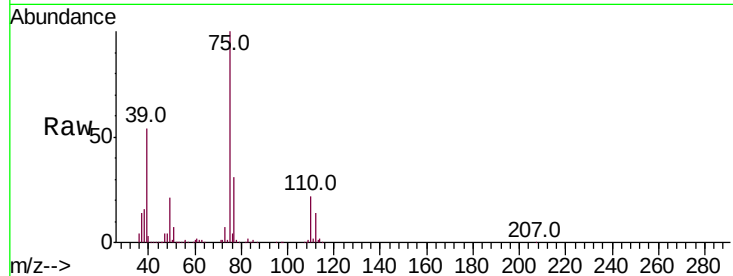
VSTDIC100

Tot Ion: 75 Resp: 921839

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 75.280 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

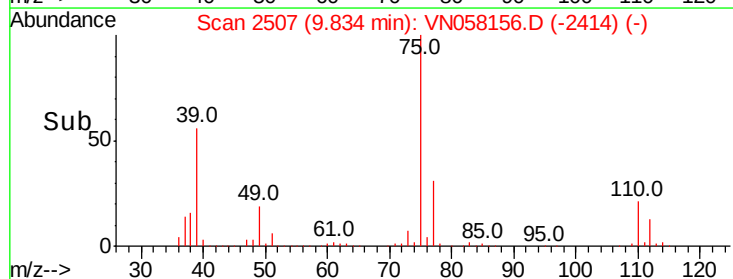
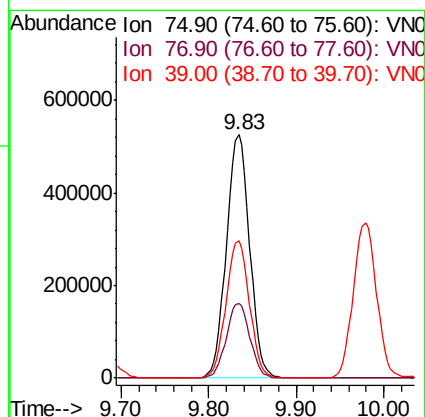
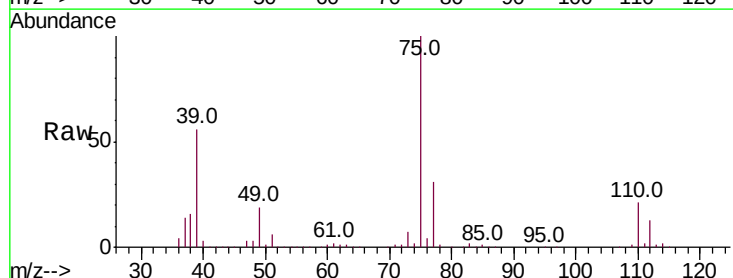
Tgt Ion: 75 Resp: 968959

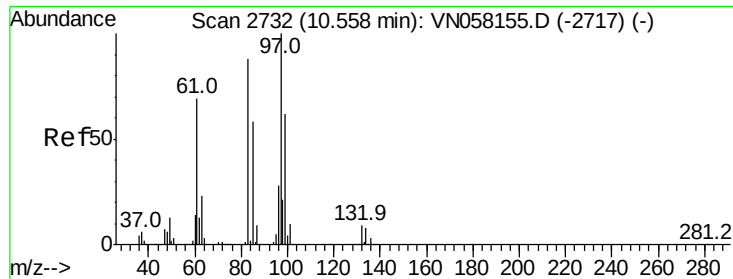
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 56.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 70.493 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

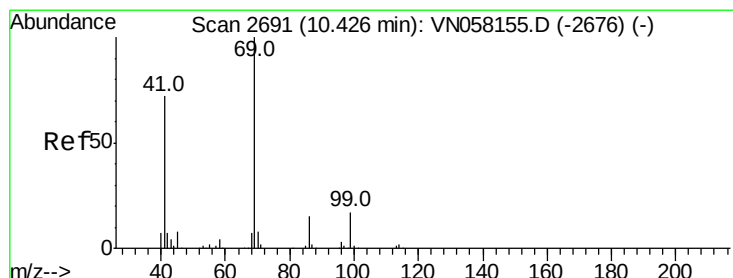
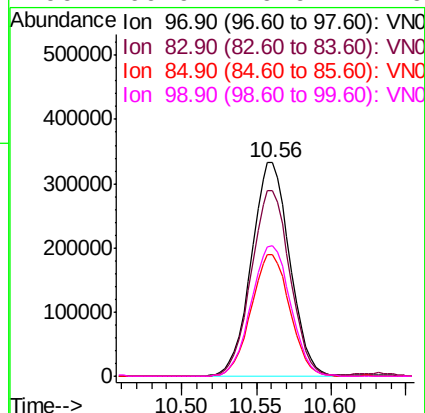
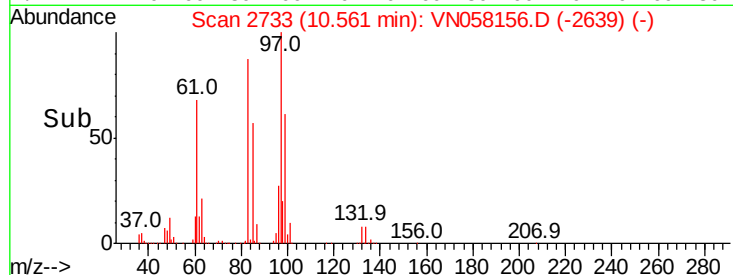
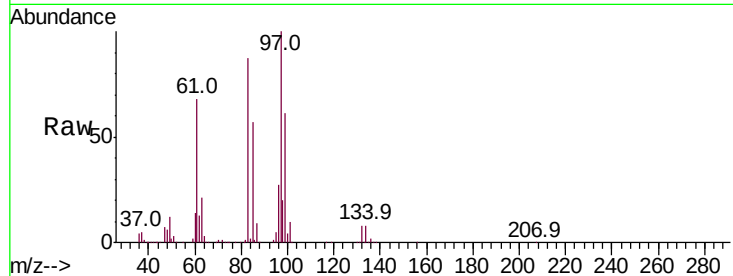
MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 97 Resp: 593996

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	56.7	46.8	70.2
99	60.9	49.9	74.9



#56

Ethyl methacrylate

Concen: 73.196 ug/l

RT: 10.43 min Scan# 2691

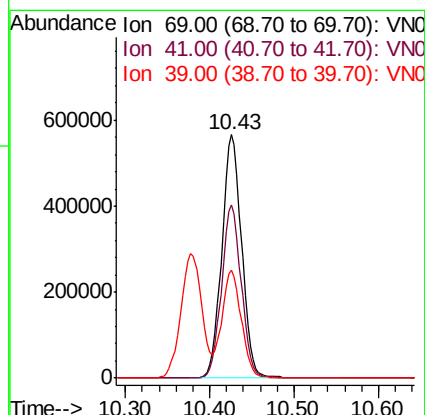
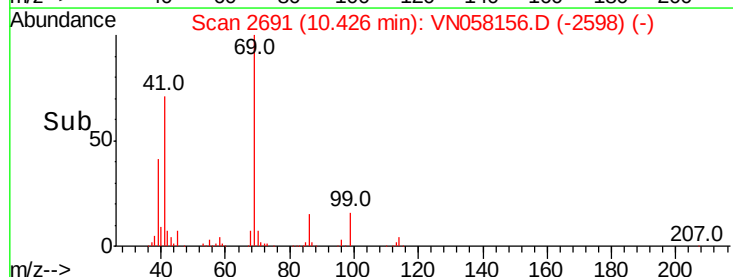
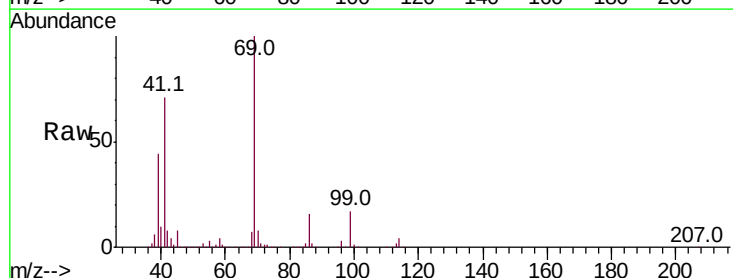
Delta R.T. -0.00 min

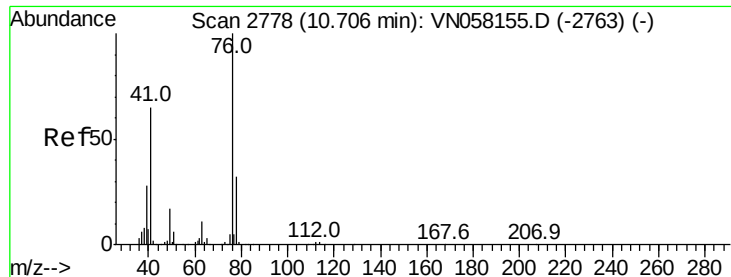
Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion: 69 Resp: 924047

Ion	Ratio	Lower	Upper
69	100		
41	70.1	57.5	86.3
39	43.5	36.1	54.1





#57

1,3-Dichloropropane

Concen: 68.979 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

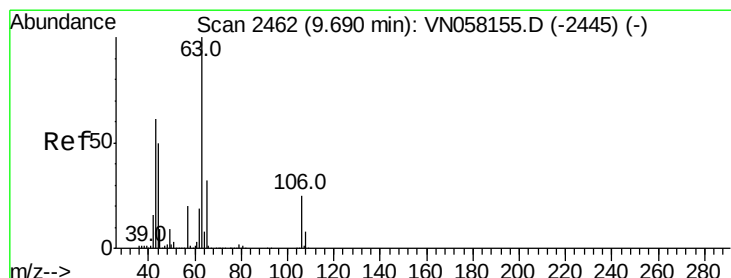
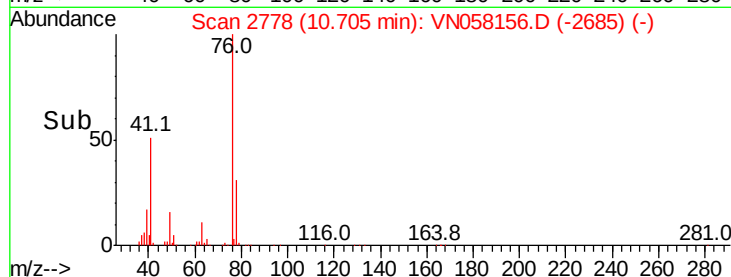
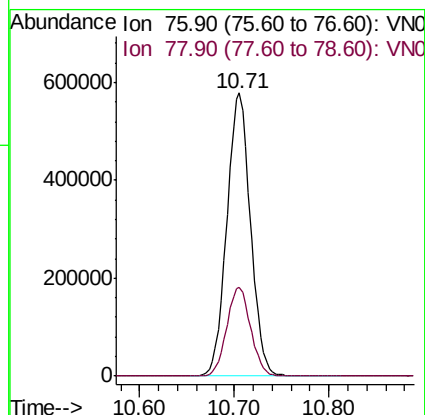
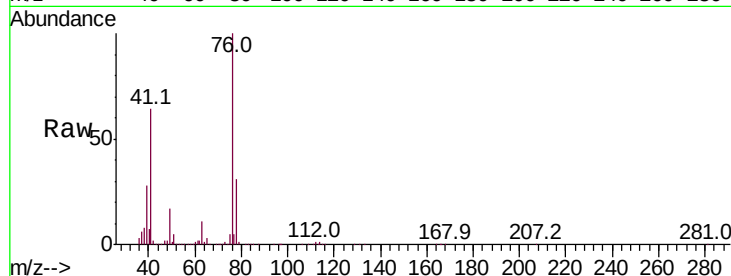
VSTDICC100

Tot Ion: 76 Resp: 1001992

Ion Ratio Lower Upper

76 100

78 31.9 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 375.198 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058156.D

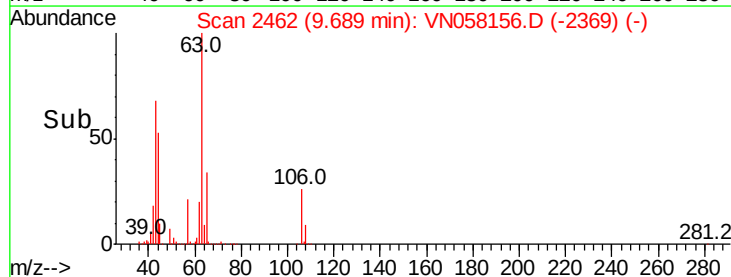
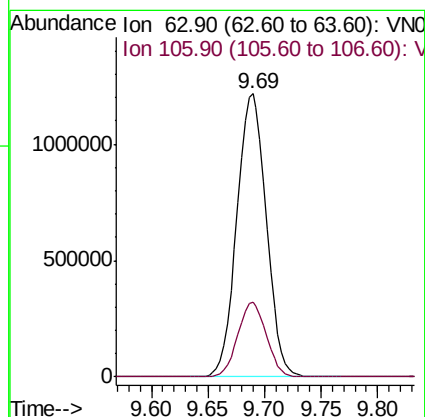
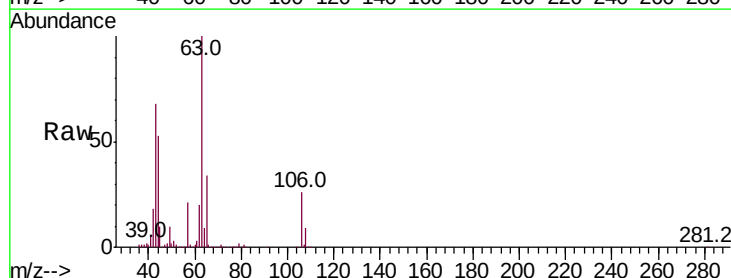
Acq: 18 Sep 2019 10:49

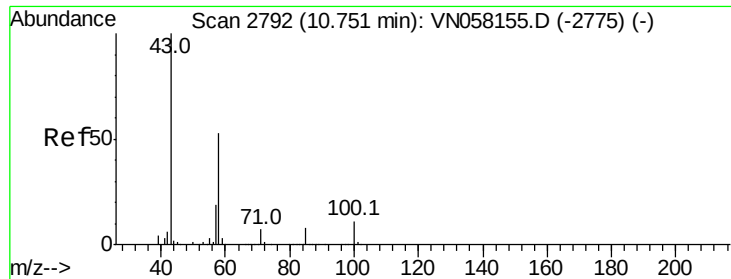
Tgt Ion: 63 Resp: 2209753

Ion Ratio Lower Upper

63 100

106 25.6 19.9 29.9

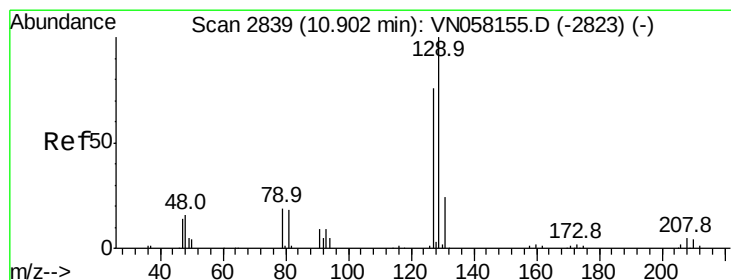
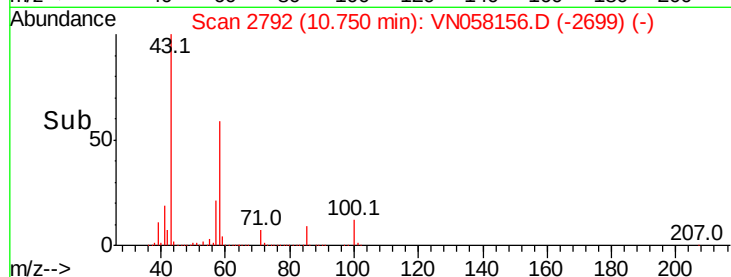
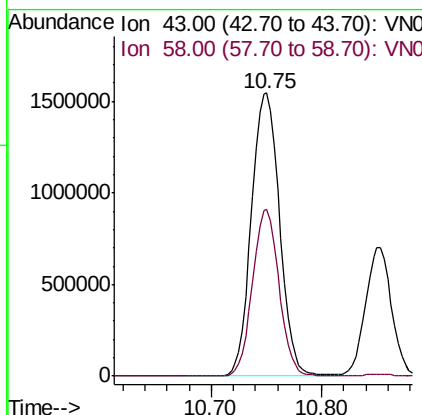
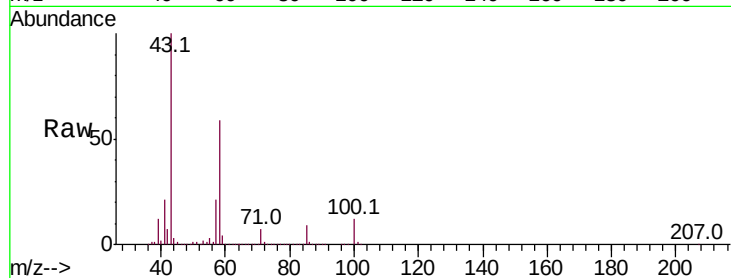




#59
2-Hexanone
Concen: 341.928 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

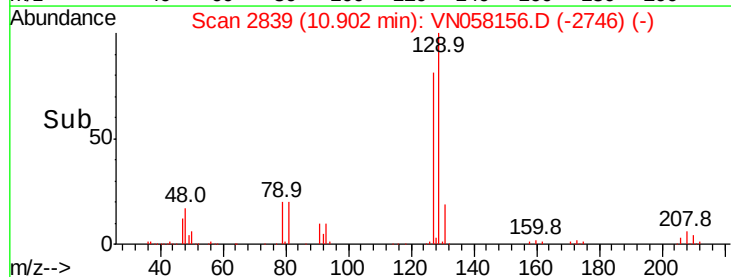
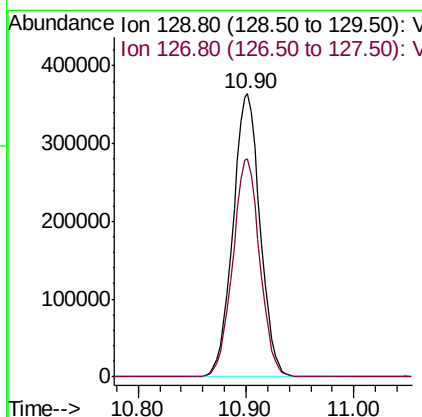
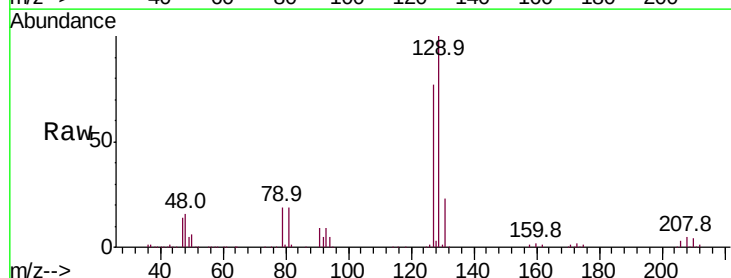
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

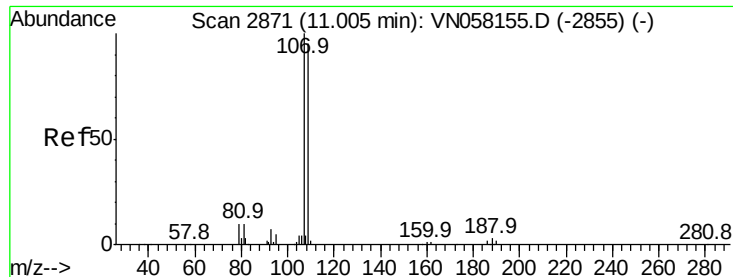
Tot Ion: 43 Resp: 2735860
Ion Ratio Lower Upper
43 100
58 55.6 26.0 78.0



#60
Dibromochloromethane
Concen: 81.838 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 129 Resp: 639409
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1

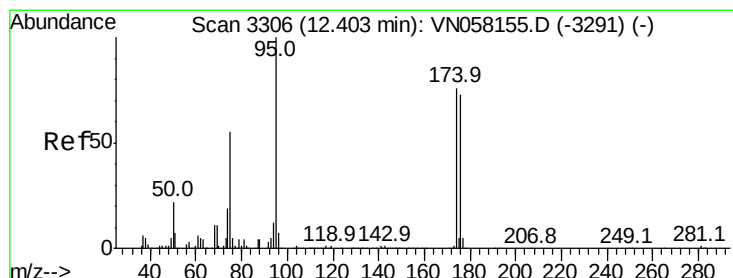
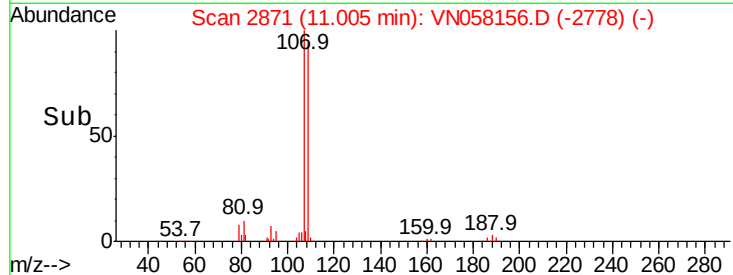
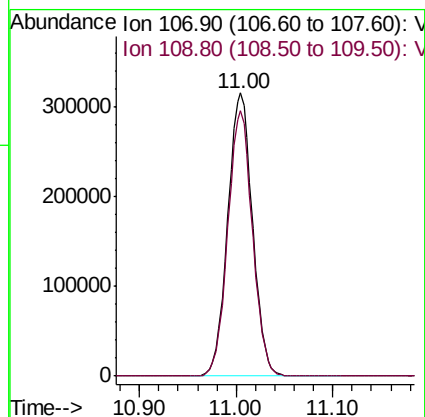
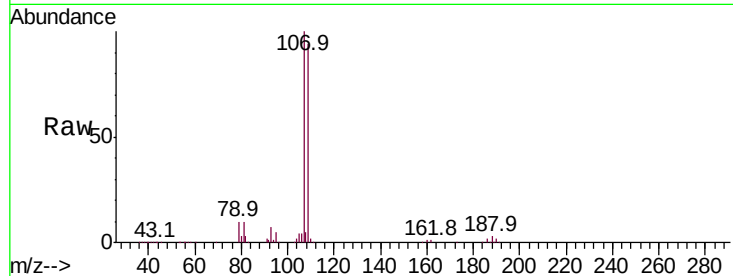




#61
 1,2-Dibromoethane
 Concen: 70.452 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

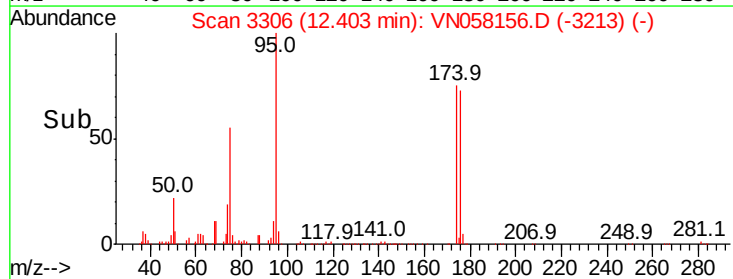
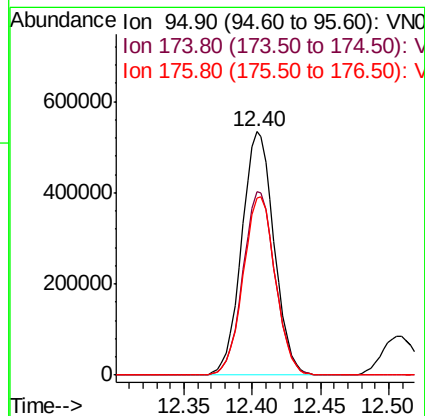
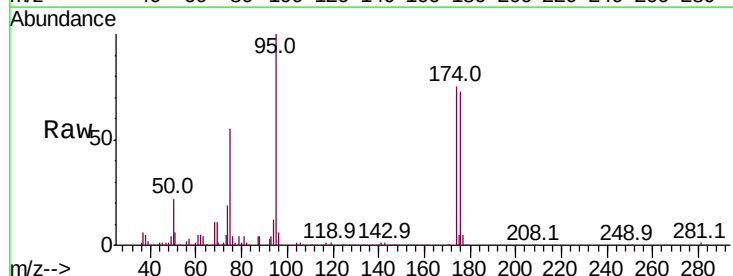
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

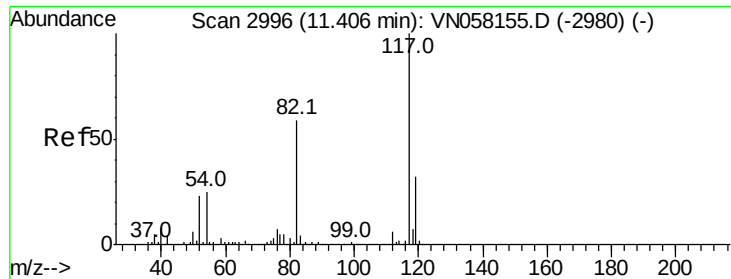
Tot Ion:107 Resp: 559736
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 70.728 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 95 Resp: 875741
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 152.2
 176 73.2 0.0 148.0

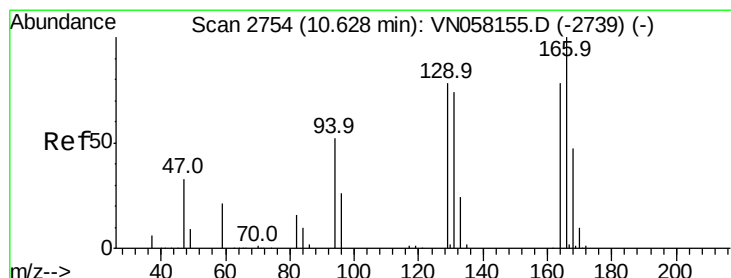
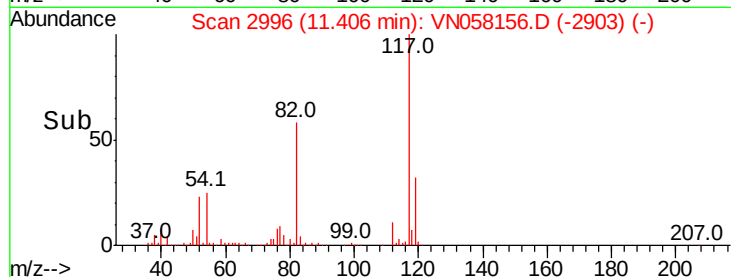
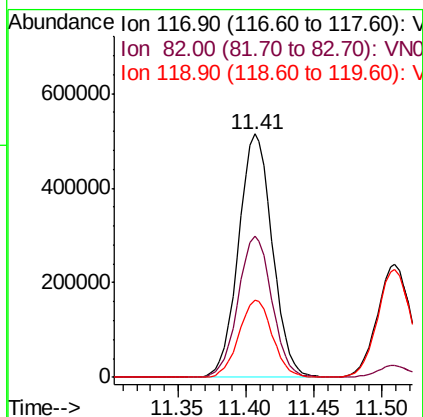
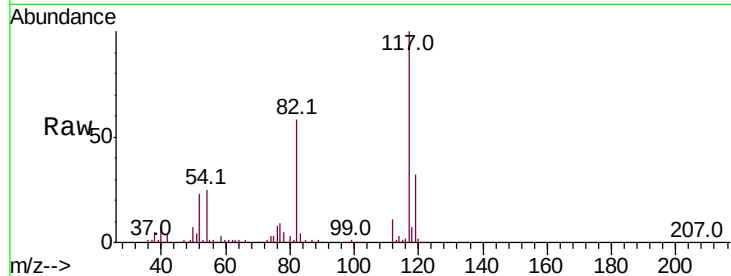




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

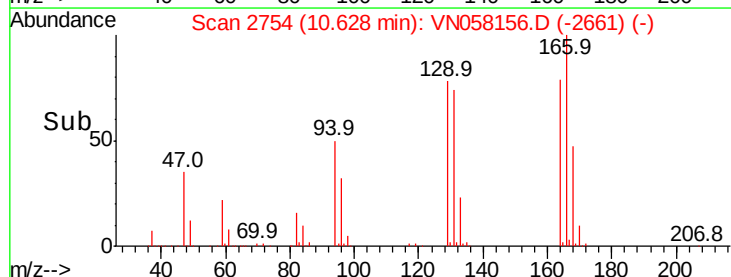
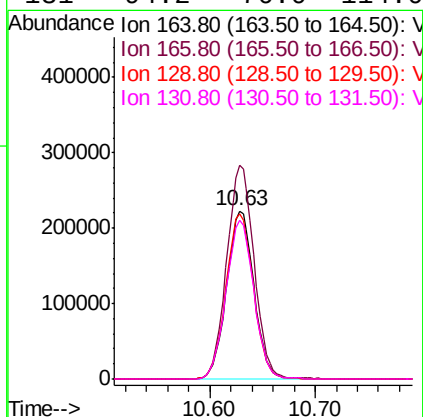
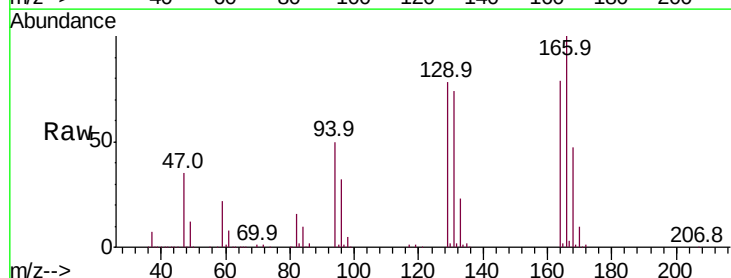
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

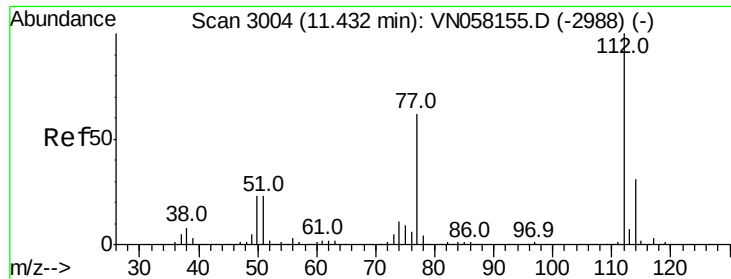
Tot Ion:117 Resp: 884216
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 64.399 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion:164 Resp: 397100
Ion Ratio Lower Upper
164 100
166 127.1 102.2 153.4
129 98.5 79.6 119.4
131 94.2 76.0 114.0

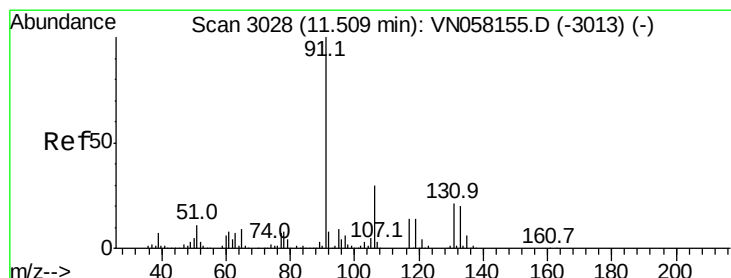
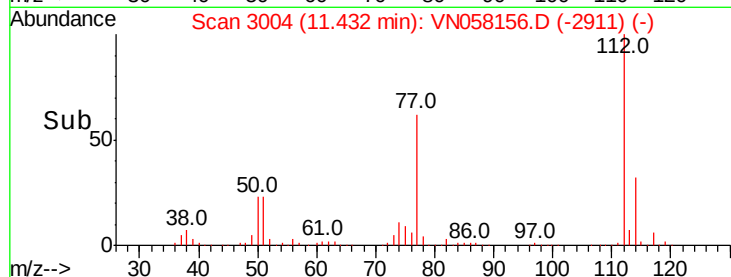
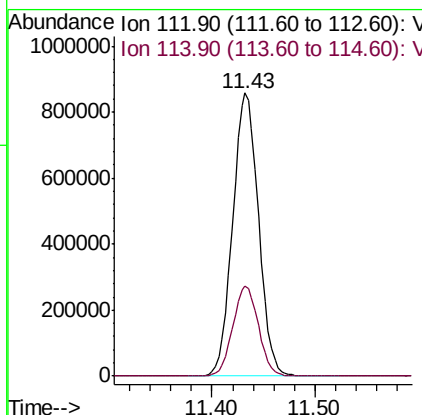
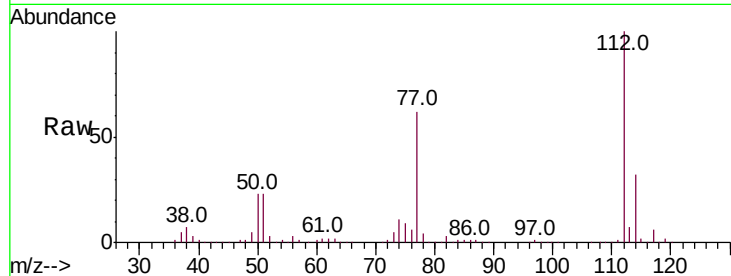




#65
Chlorobenzene
Concen: 68.633 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

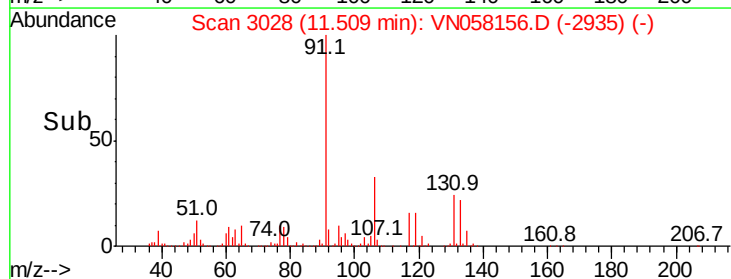
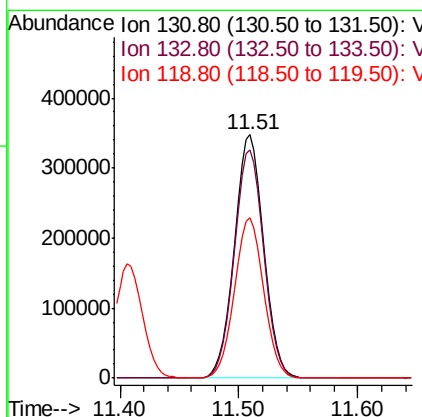
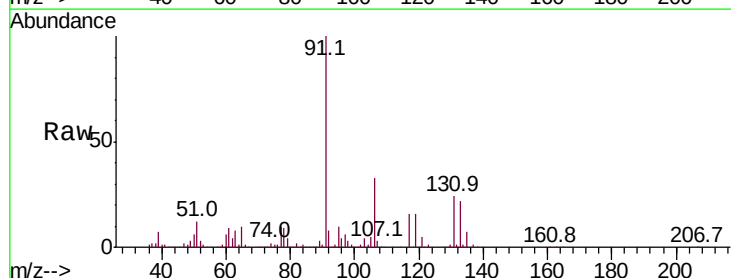
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

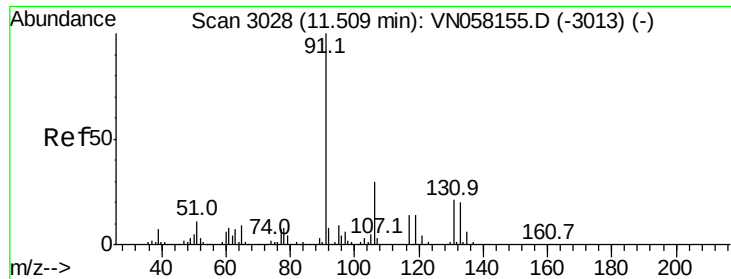
Tot Ion:112 Resp: 1494114
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 78.203 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion:131 Resp: 592228
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 65.8 33.1 99.3

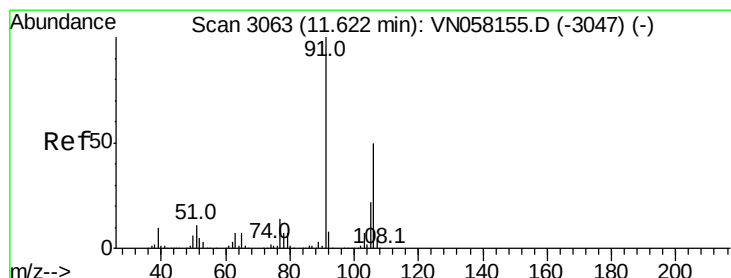
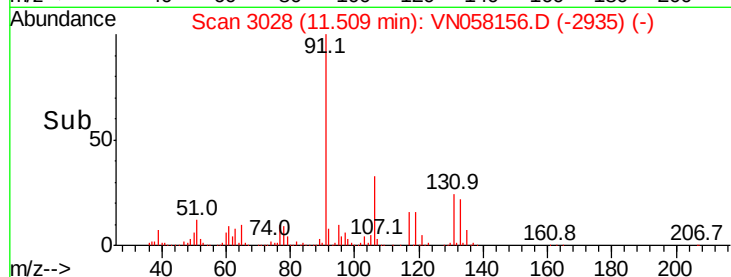
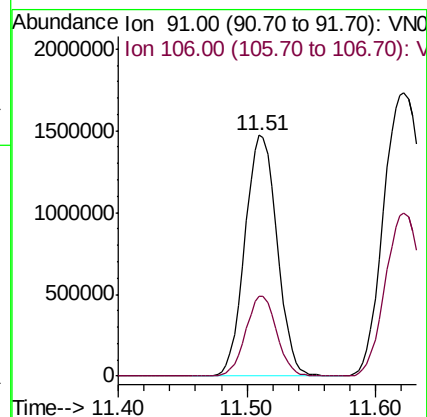
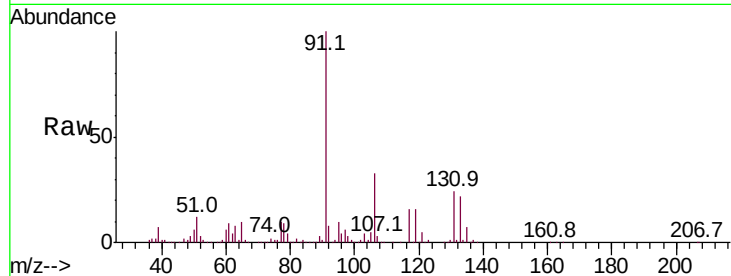




#67
Ethyl Benzene
Concen: 67.107 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

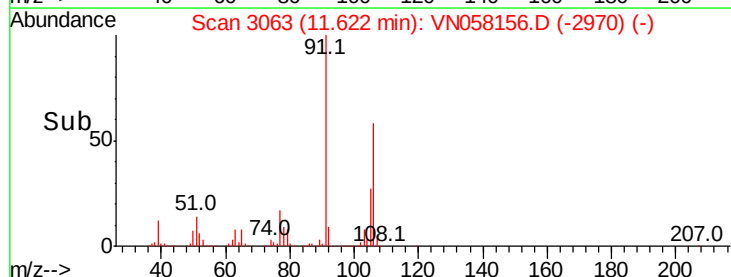
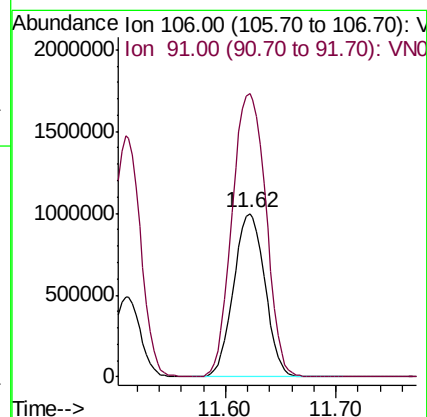
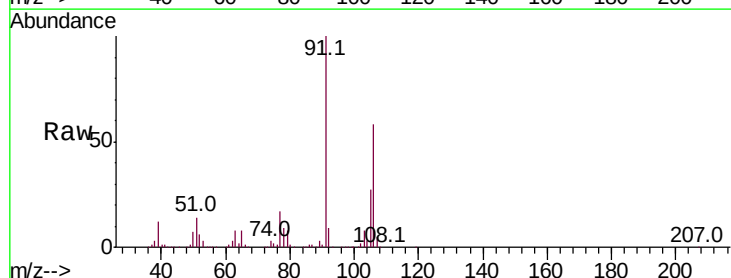
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

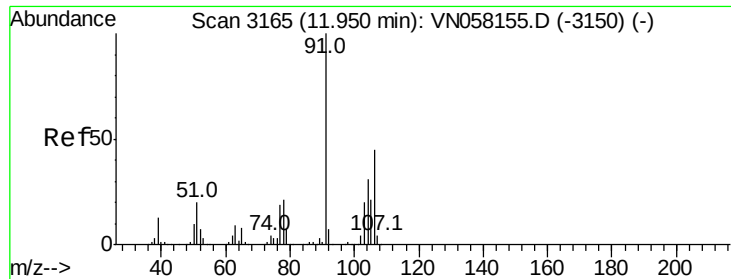
Tot Ion: 91 Resp: 2557645
Ion Ratio Lower Upper
91 100
106 33.5 24.0 36.0



#68
m/p-Xylenes
Concen: 140.729 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion: 106 Resp: 1963975
Ion Ratio Lower Upper
106 100
91 187.2 163.6 245.4





#69

o-Xylene

Concen: 71.679 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

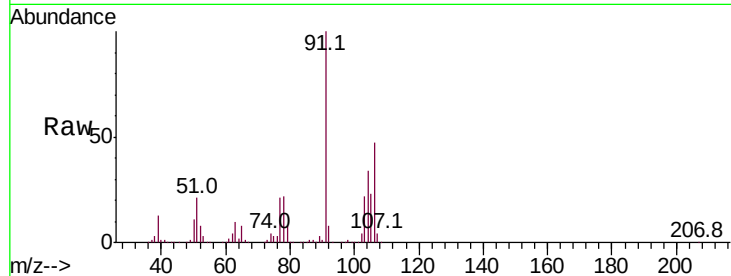
VSTDIC100

Tot Ion:106 Resp: 991435

Ion Ratio Lower Upper

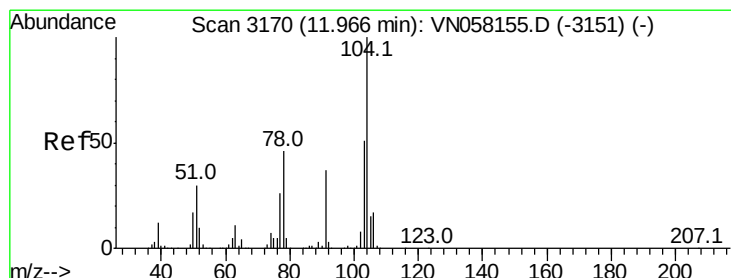
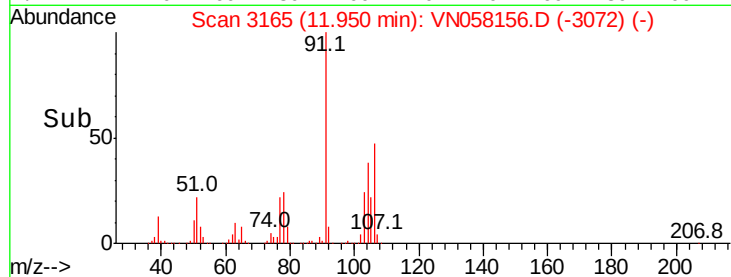
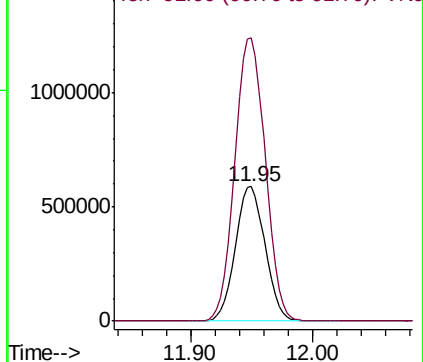
106 100

91 215.9 111.8 335.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 74.862 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

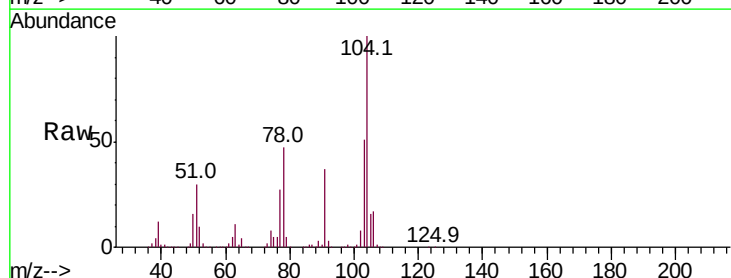
Tgt Ion:104 Resp: 1781686

Ion Ratio Lower Upper

104 100

78 52.4 41.8 62.8

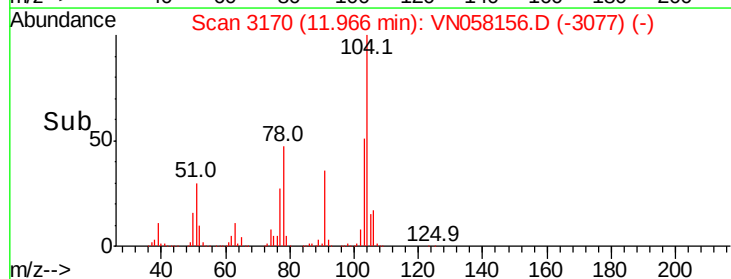
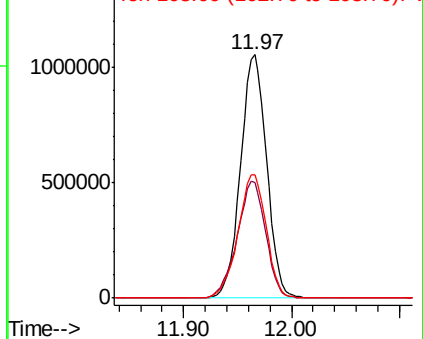
103 55.0 44.2 66.2

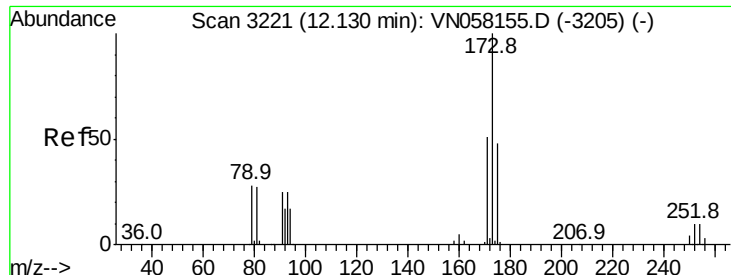


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 88.512 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

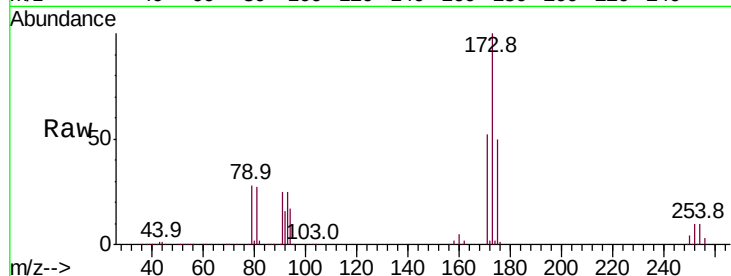
Tot Ion:173 Resp: 416345

Ion Ratio Lower Upper

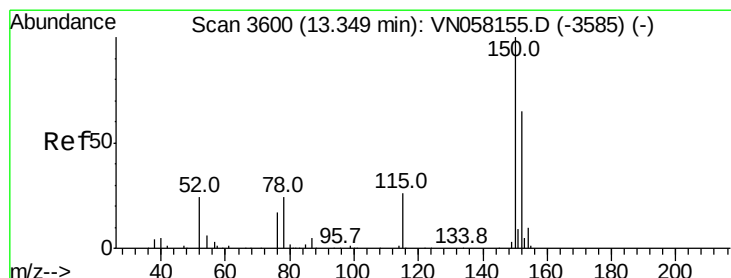
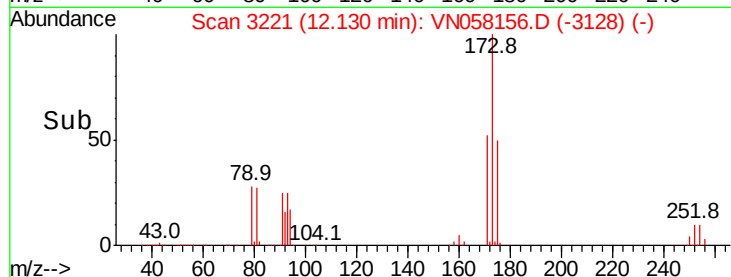
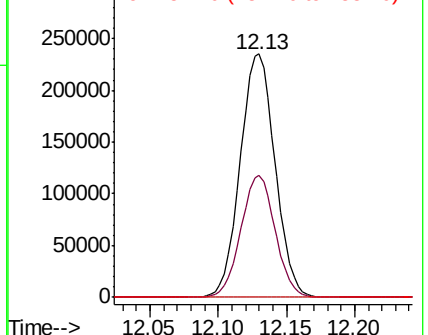
173 100

175 49.3 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: VN058156.D

Acq: 18 Sep 2019 10:49

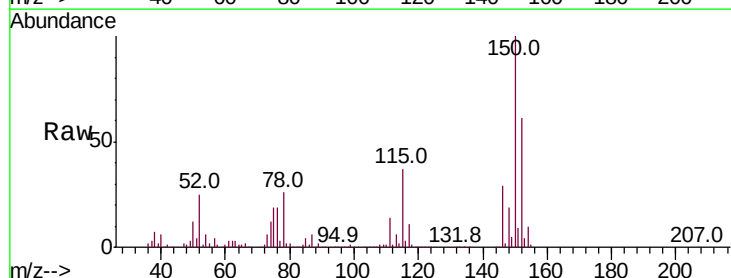
Tgt Ion:152 Resp: 445226

Ion Ratio Lower Upper

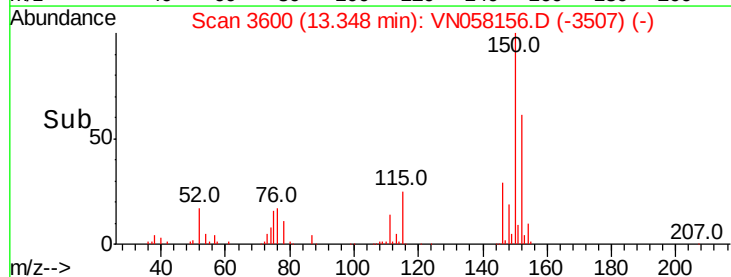
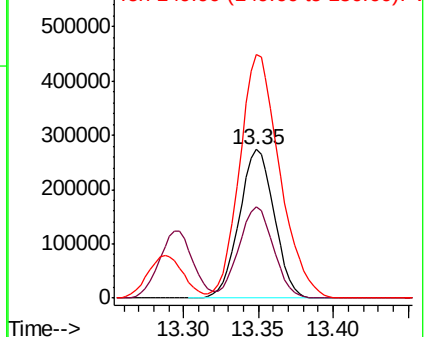
152 100

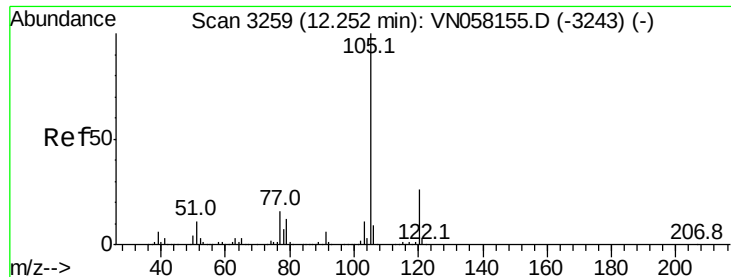
115 61.0 30.1 90.3

150 188.0 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: 79.855 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

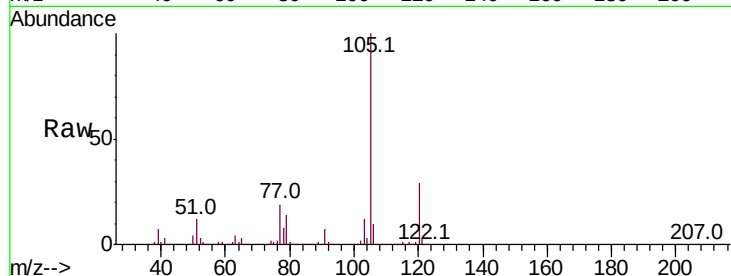
VSTDIC100

Tot Ion:105 Resp: 2664512

Ion Ratio Lower Upper

105 100

120 27.4 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1500000

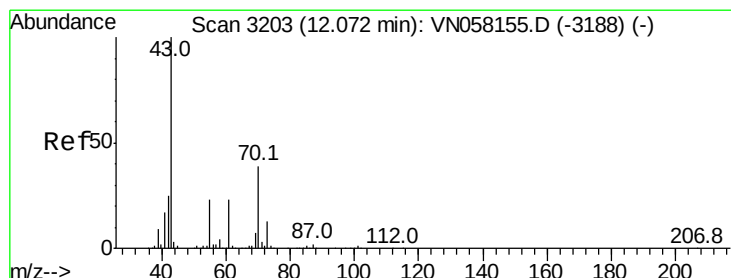
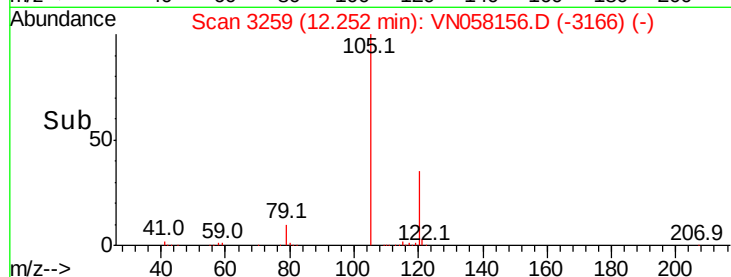
1000000

500000

0

Time-->

12.20 12.30



#74

N-amyl acetate

Concen: 87.315 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion: 43 Resp: 1260850

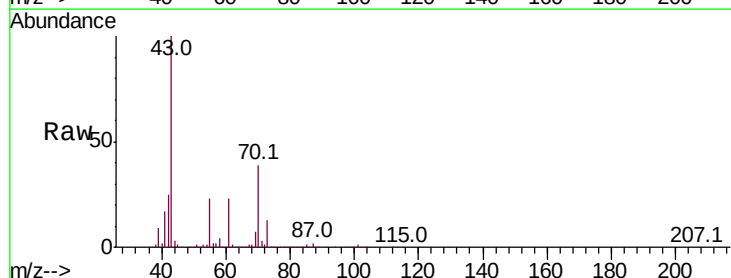
Ion Ratio Lower Upper

43 100

70 39.4 31.0 46.6

55 23.0 18.5 27.7

61 22.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1200000

1000000

800000

600000

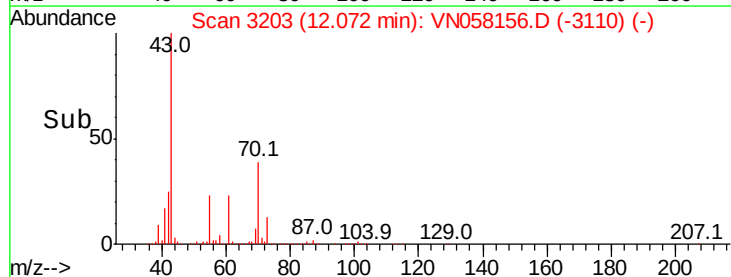
400000

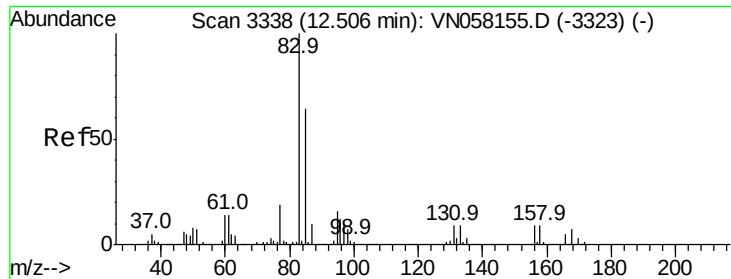
200000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 81.649 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

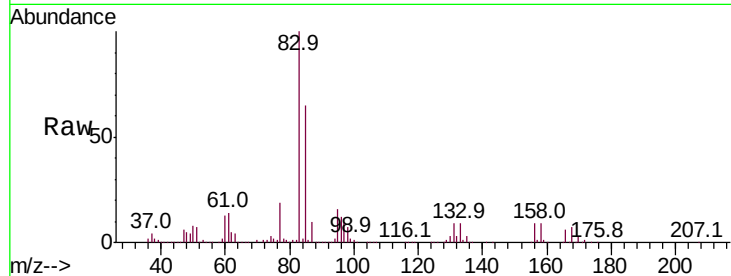
Tot Ion: 83 Resp: 916726

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.3	31.9	95.5

83 100

131 9.8 4.8 14.3

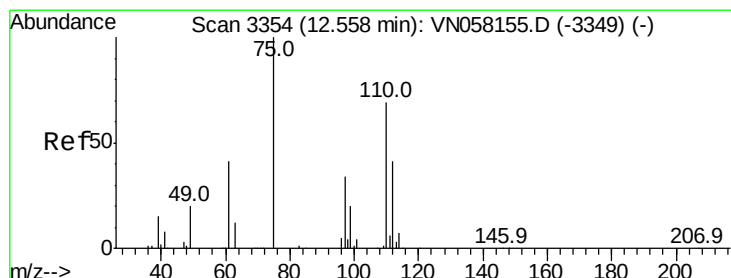
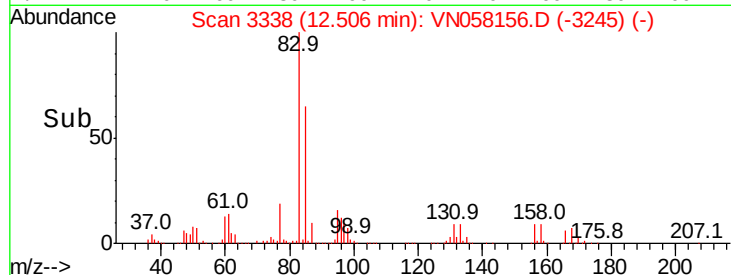
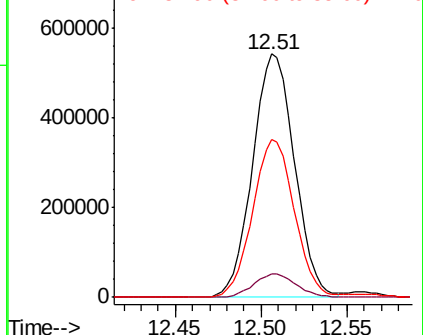
85 64.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058156.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058156.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058156.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 118.964 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058156.D

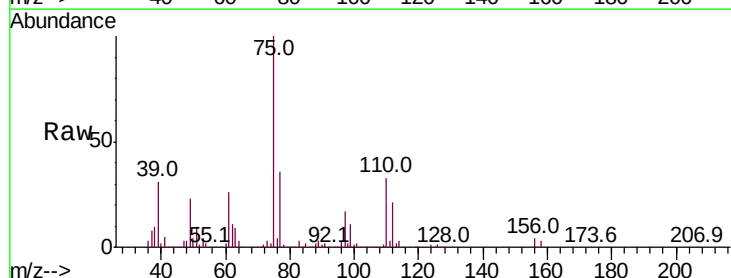
Acq: 18 Sep 2019 10:49

Tgt Ion: 75 Resp: 1149285

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

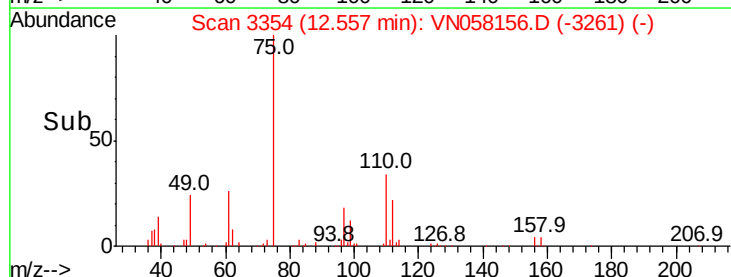
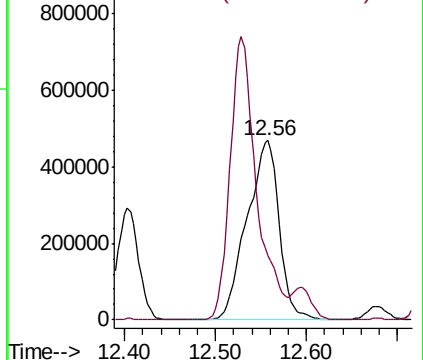
75 100

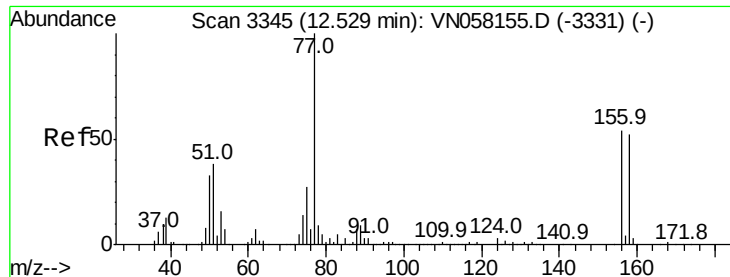
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058156.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058156.D (-3261) (-)





#77

Bromobenzene

Concen: 79.572 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

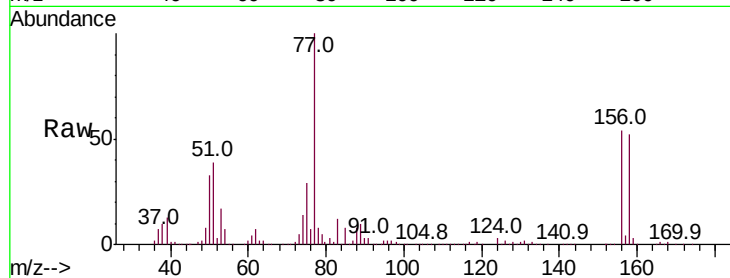
Tot Ion:156 Resp: 665518

Ion Ratio Lower Upper

156 100

77 226.5 111.7 335.1

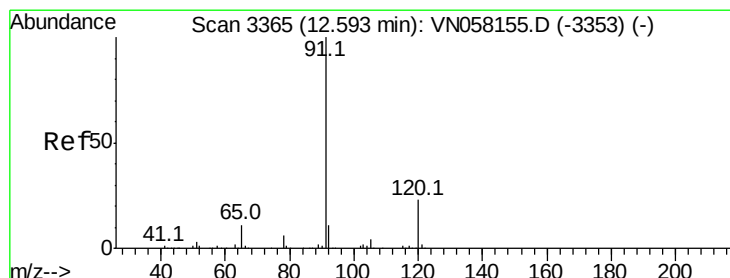
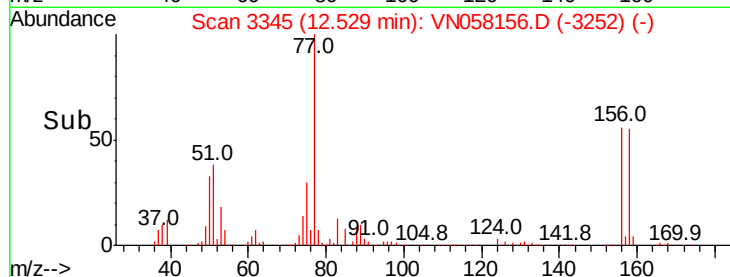
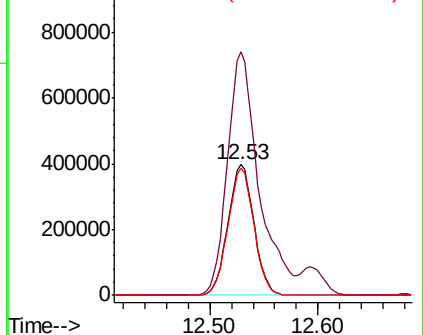
158 97.3 47.9 143.8



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: 78.616 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058156.D

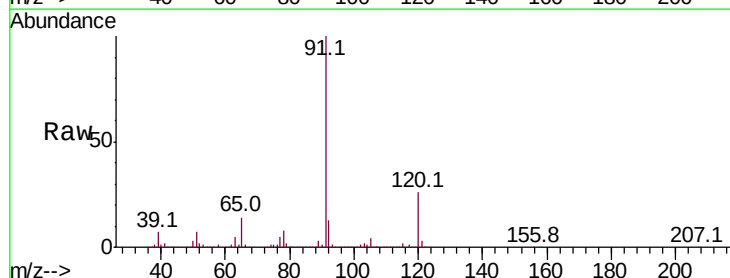
Acq: 18 Sep 2019 10:49

Tgt Ion: 91 Resp: 3007817

Ion Ratio Lower Upper

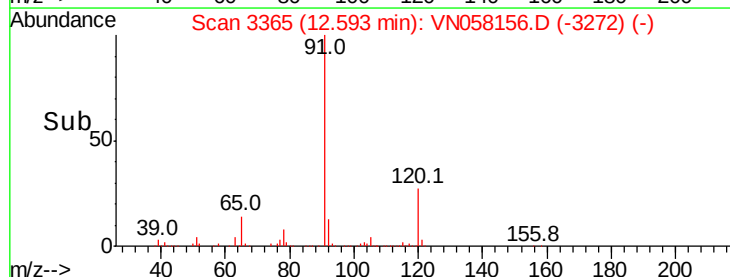
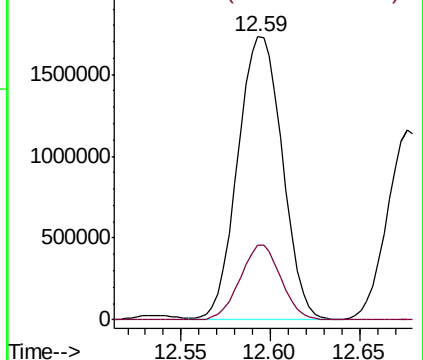
91 100

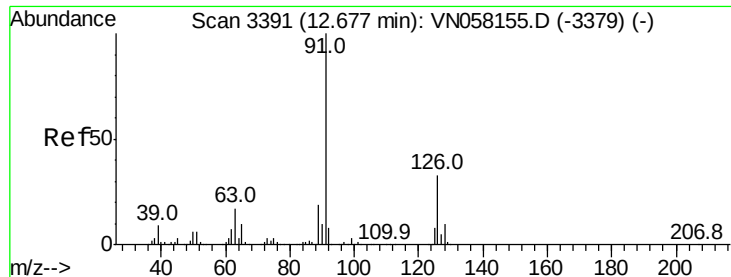
120 24.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 80.434 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

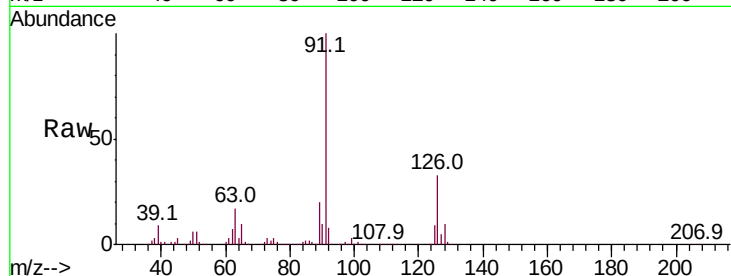
VSTDIC100

Tot Ion: 91 Resp: 1949810

Ion Ratio Lower Upper

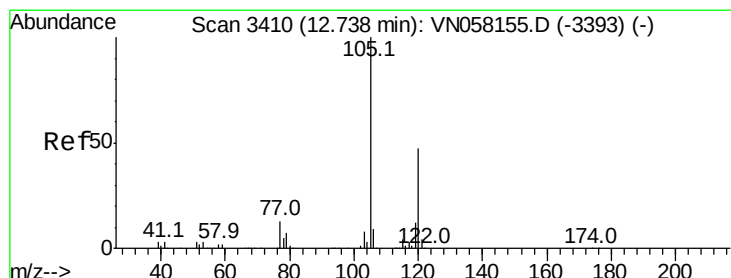
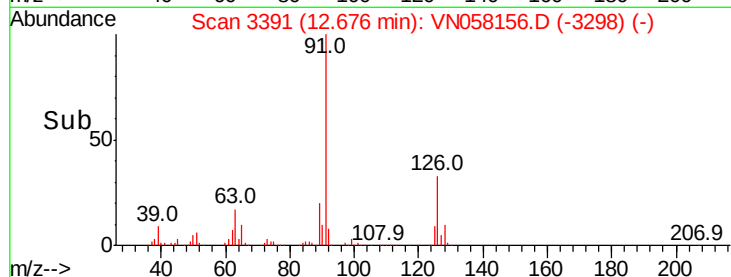
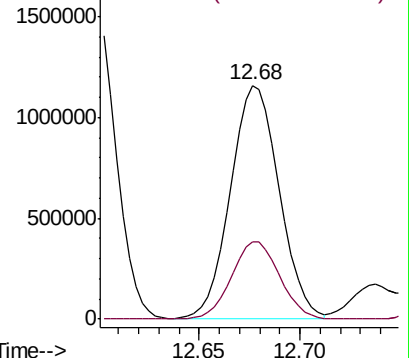
91 100

126 33.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 82.750 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058156.D

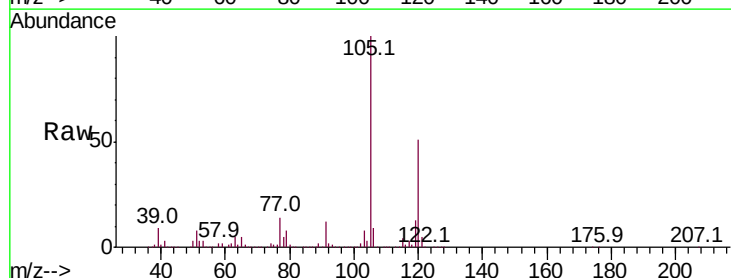
Acq: 18 Sep 2019 10:49

Tgt Ion:105 Resp: 2335535

Ion Ratio Lower Upper

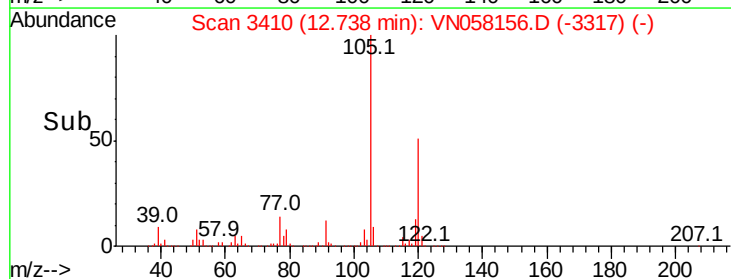
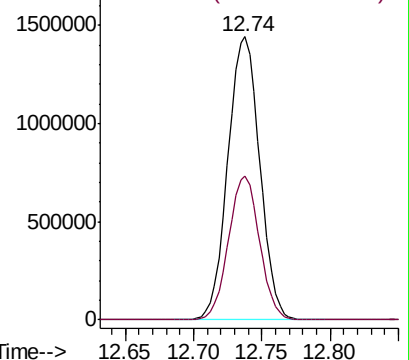
105 100

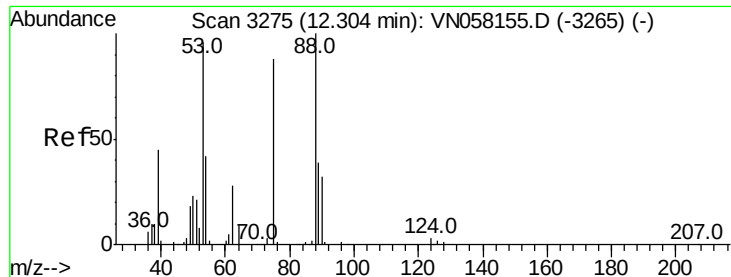
120 49.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 100.486 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

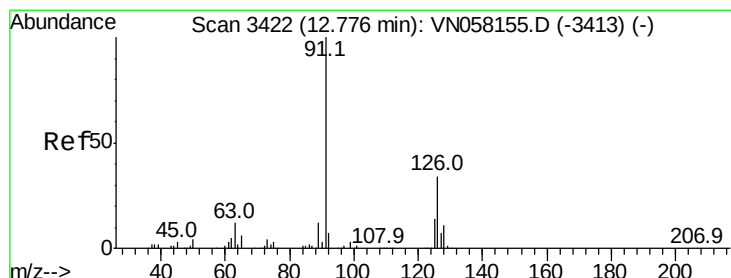
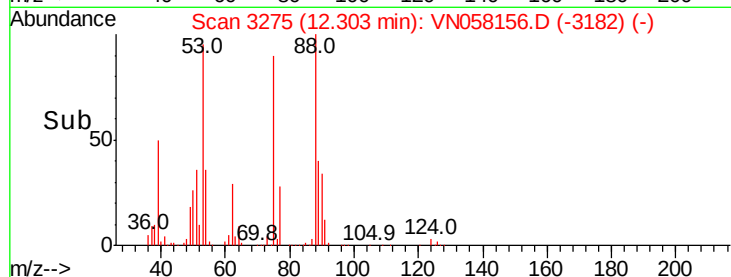
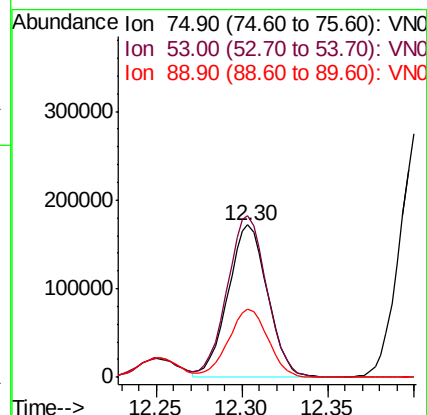
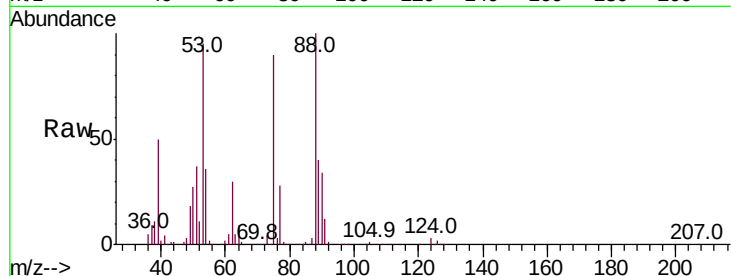
Tot Ion: 75 Resp: 274623

Ion Ratio Lower Upper

75 100

53 107.5 90.1 135.1

89 44.9 36.2 54.2



#82

4-Chlorotoluene

Concen: 82.881 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058156.D

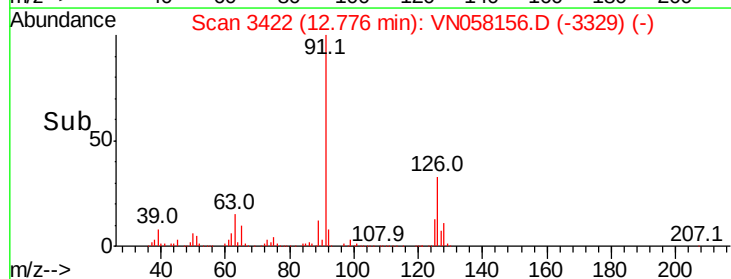
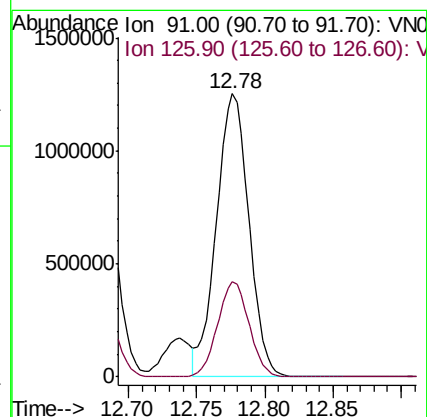
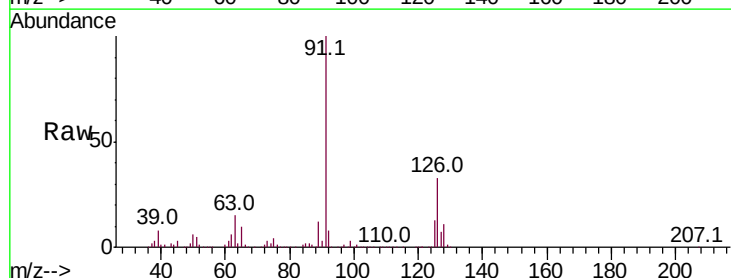
Acq: 18 Sep 2019 10:49

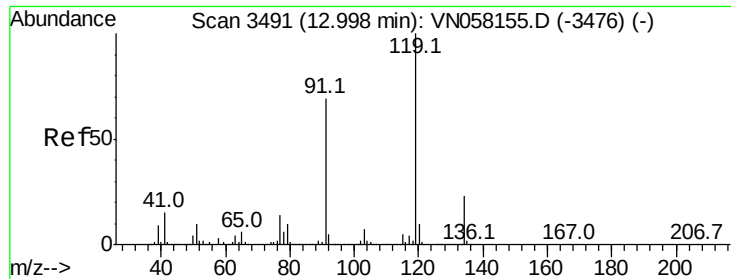
Tgt Ion: 91 Resp: 2063558

Ion Ratio Lower Upper

91 100

126 32.6 15.7 47.1

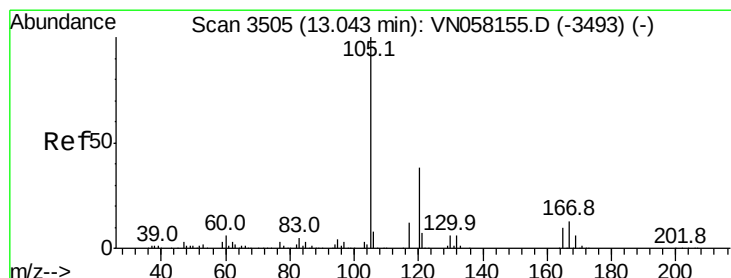
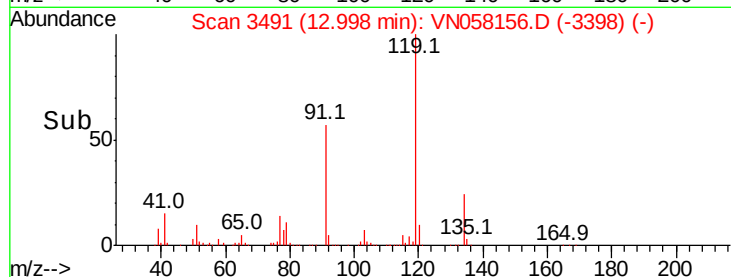
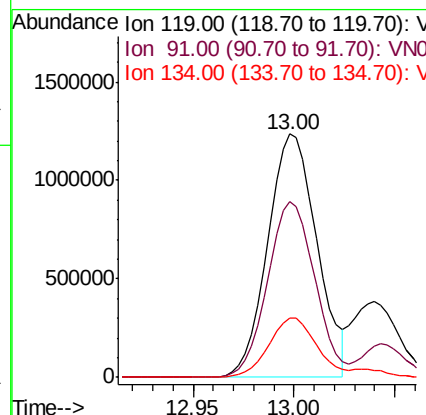
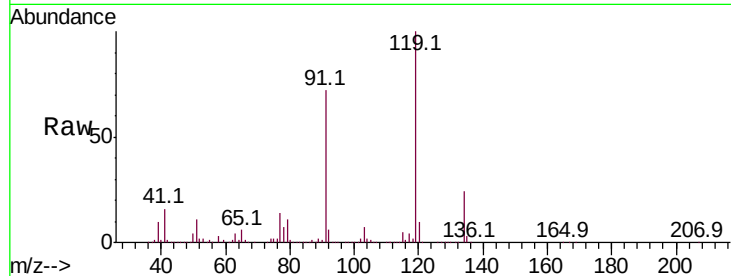




#83
 tert-Butylbenzene
 Concen: 83.452 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

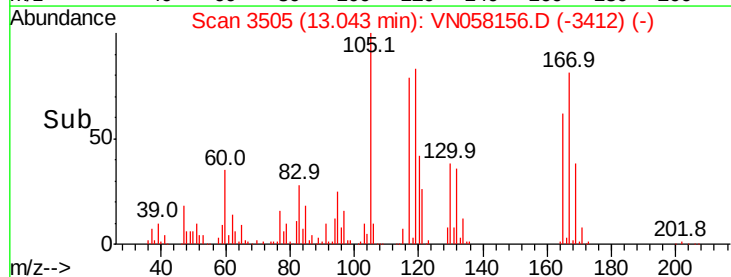
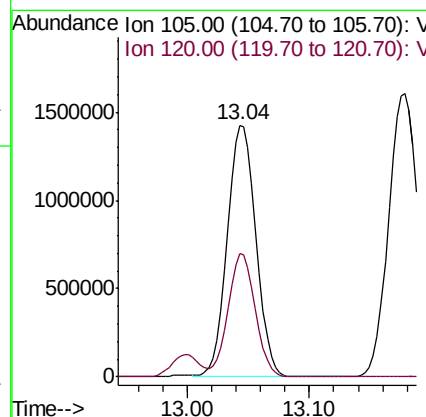
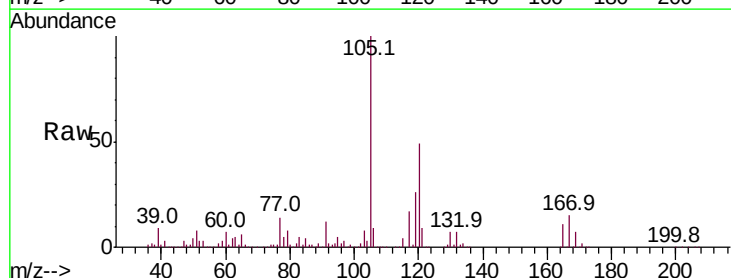
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

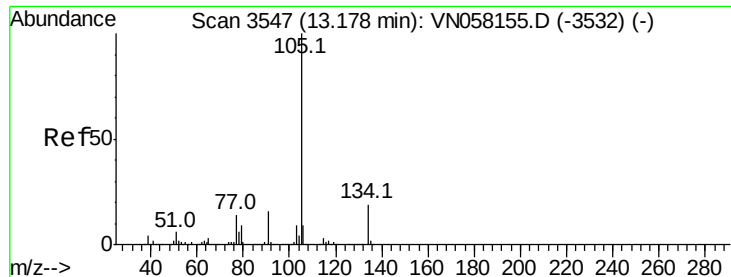
Tot Ion:119 Resp: 2092875
 Ion Ratio Lower Upper
 119 100
 91 69.6 33.8 101.3
 134 23.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 82.197 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion:105 Resp: 2351206
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 81.758 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

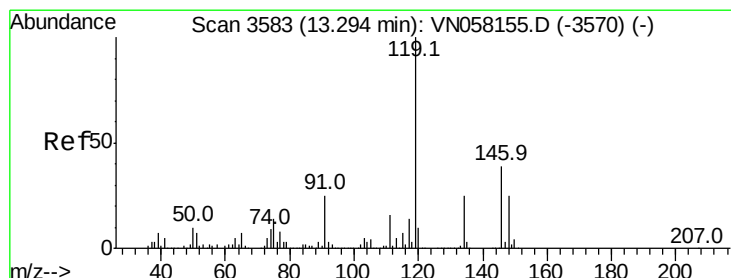
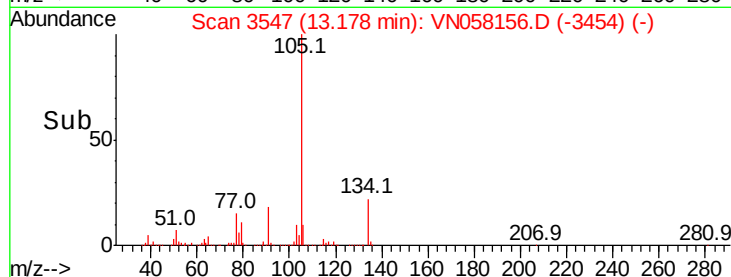
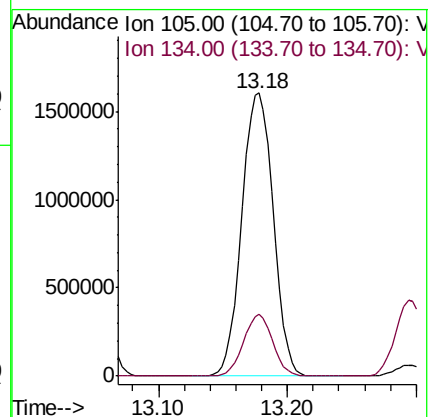
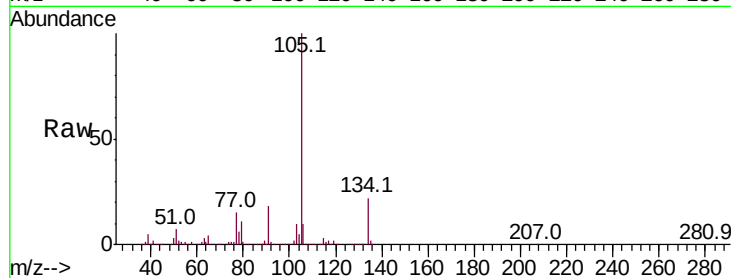
VSTDIC100

Tot Ion:105 Resp: 2713906

Ion Ratio Lower Upper

105 100

134 20.2 9.5 28.5



#86

p-Isopropyltoluene

Concen: 84.769 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

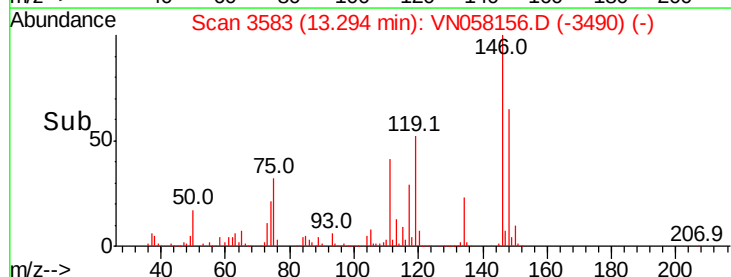
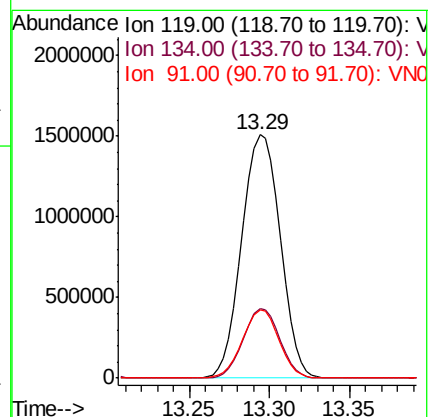
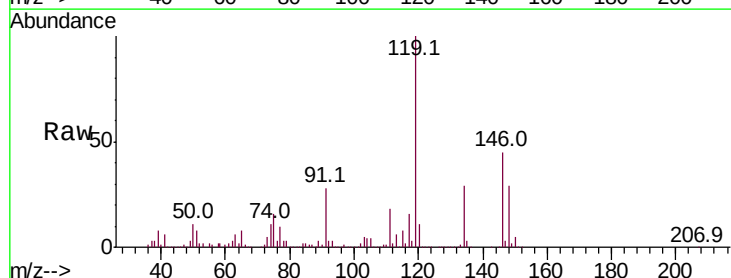
Tgt Ion:119 Resp: 2476029

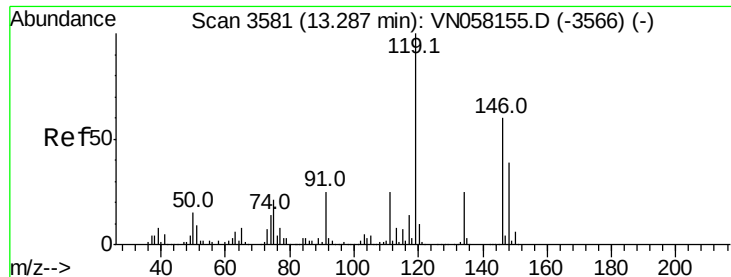
Ion Ratio Lower Upper

119 100

134 27.0 12.7 38.0

91 26.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 84.533 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

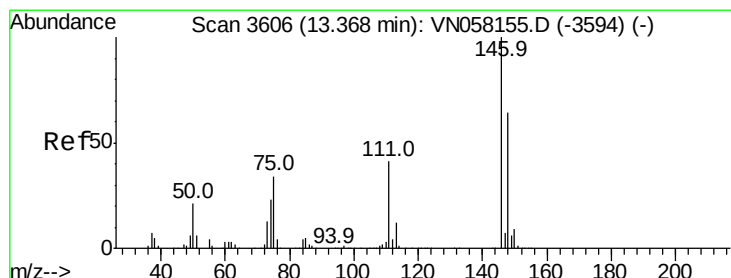
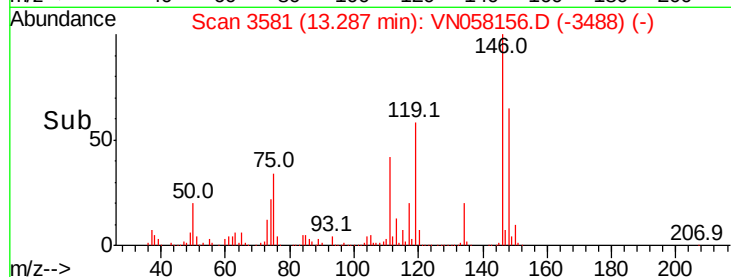
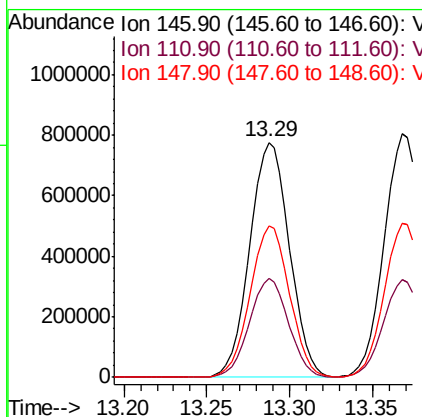
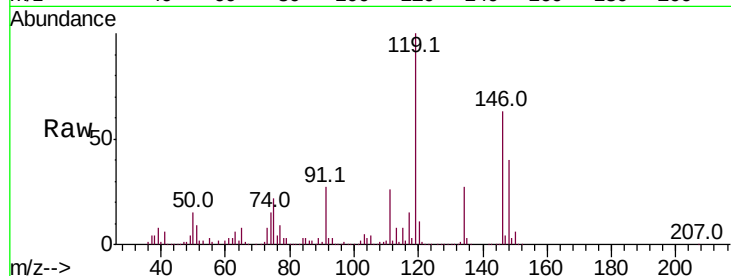
Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:146 Resp: 1291501

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	63.9	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 83.806 ug/l

RT: 13.37 min Scan# 3606

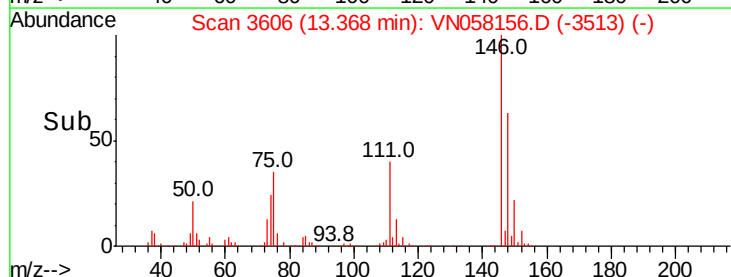
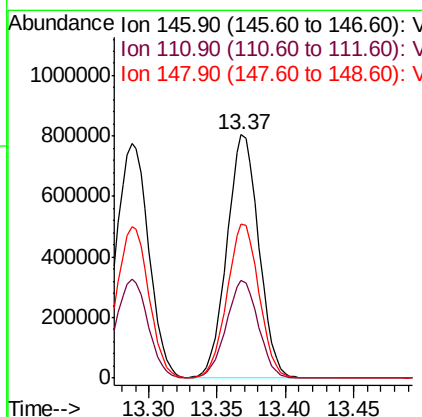
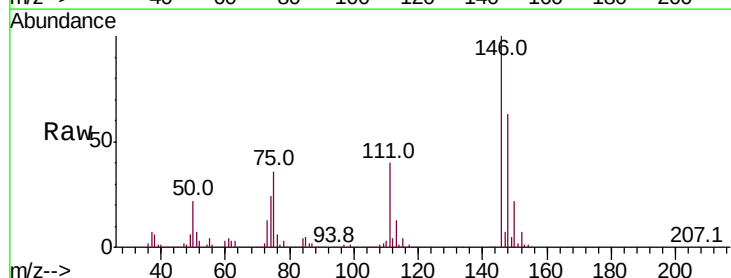
Delta R.T. -0.00 min

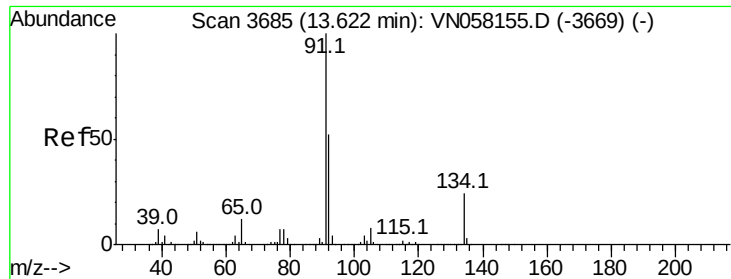
Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Tgt Ion:146 Resp: 1304176

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	63.4	31.9	95.5





#89

n-Butylbenzene

Concen: 86.264 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058156.D

Acq: 18 Sep 2019 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

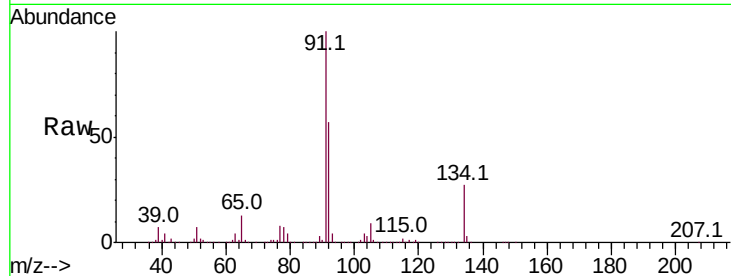
Tot Ion: 91 Resp: 2387731

Ion Ratio Lower Upper

91 100

92 54.7 25.7 77.0

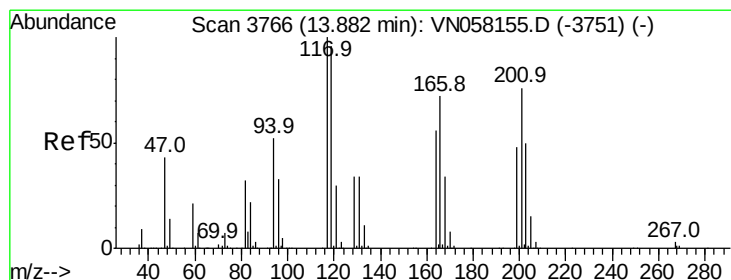
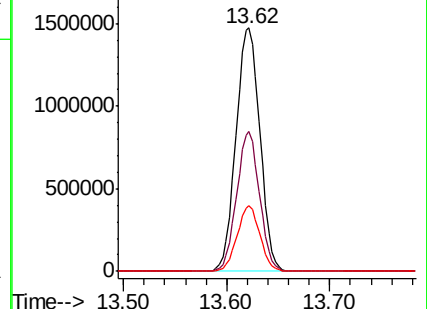
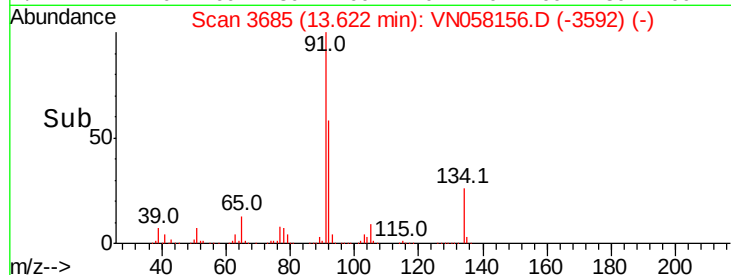
134 25.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)



#90

Hexachloroethane

Concen: 97.874 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058156.D

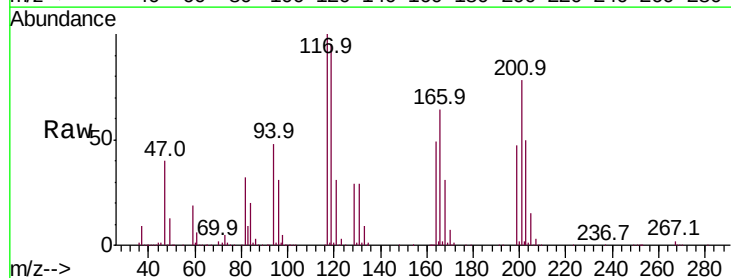
Acq: 18 Sep 2019 10:49

Tgt Ion: 117 Resp: 427564

Ion Ratio Lower Upper

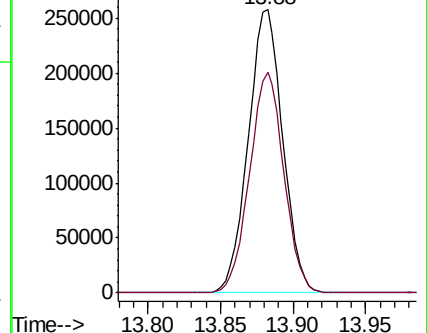
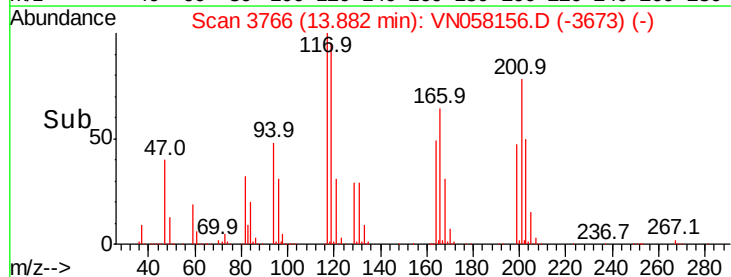
117 100

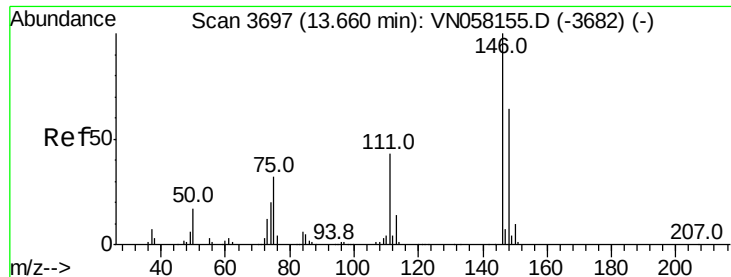
201 77.2 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)



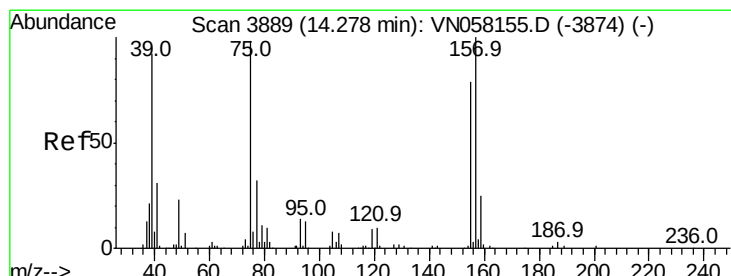
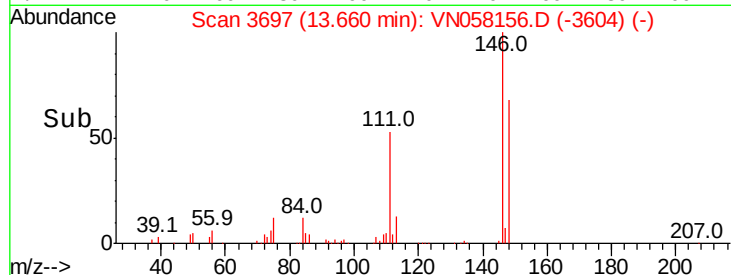
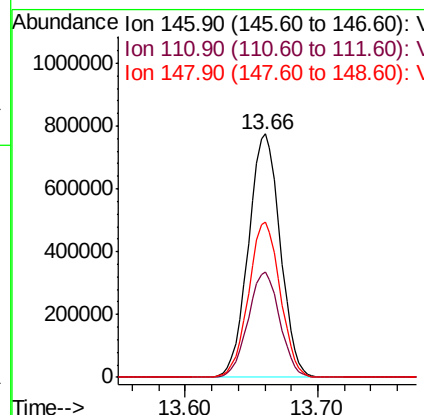
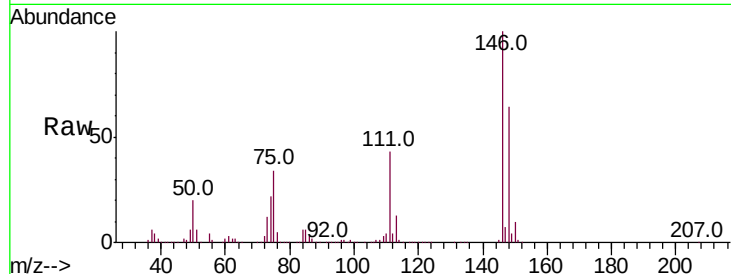


#91
 1,2-Dichlorobenzene
 Concen: 84.297 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1290177

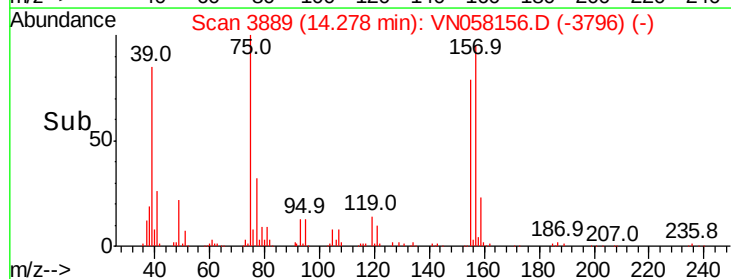
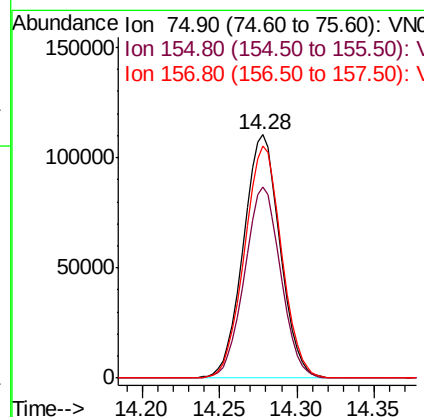
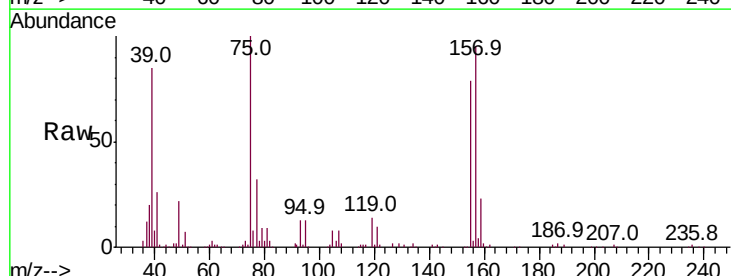
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.1
148	63.6	31.8	95.4

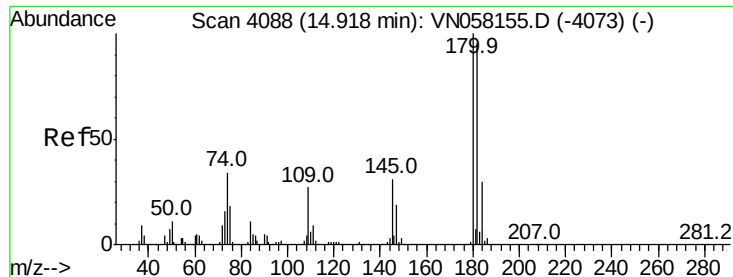


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.953 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion: 75 Resp: 182405

Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.3	114.8
157	96.5	48.0	144.0

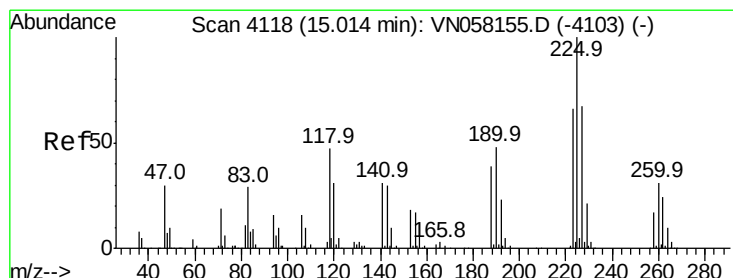
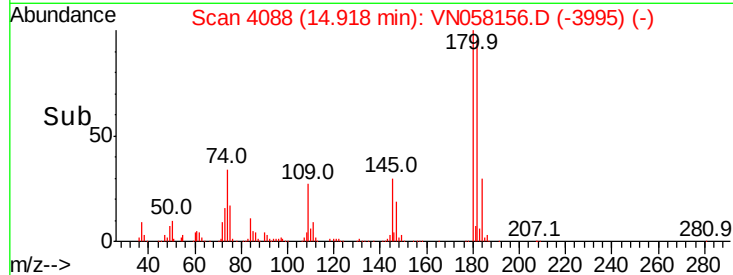
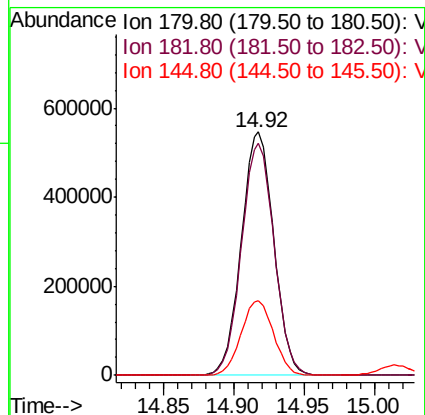
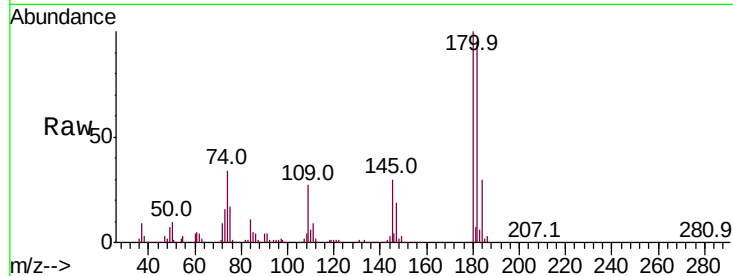




#93
 1,2,4-Trichlorobenzene
 Concen: 87.193 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

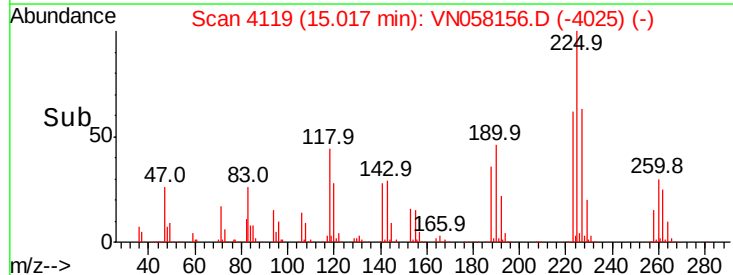
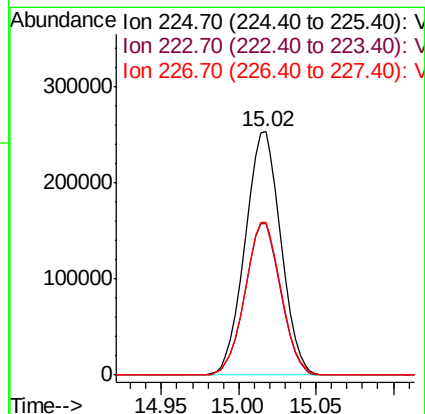
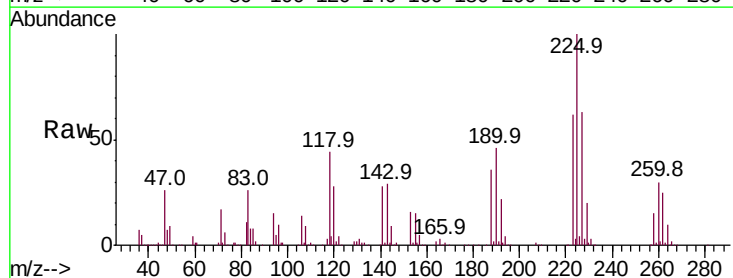
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

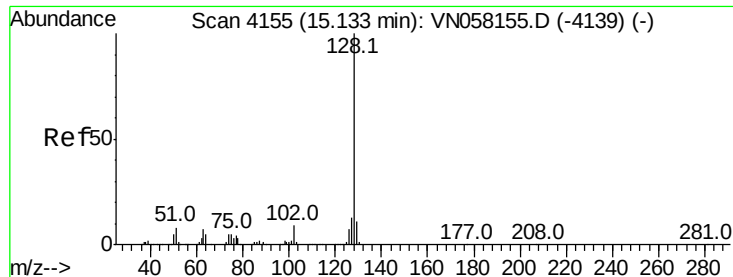
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	30.7	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 93.950 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058156.D
 Acq: 18 Sep 2019 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.6	97.7
227	62.9	33.0	99.0

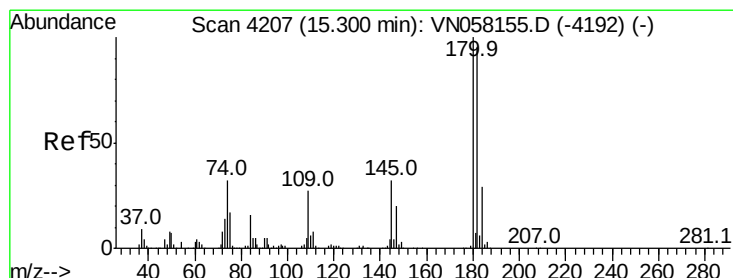
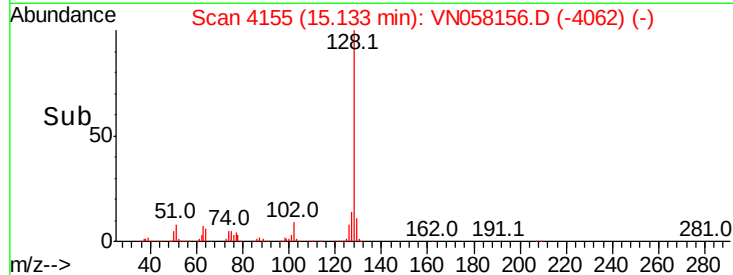
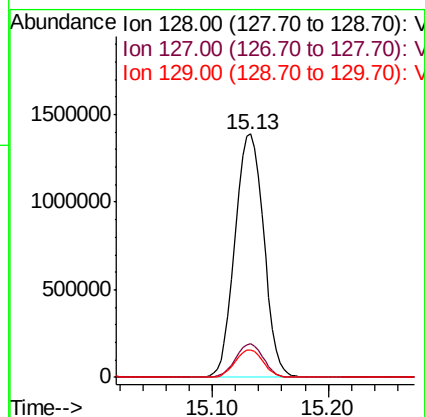
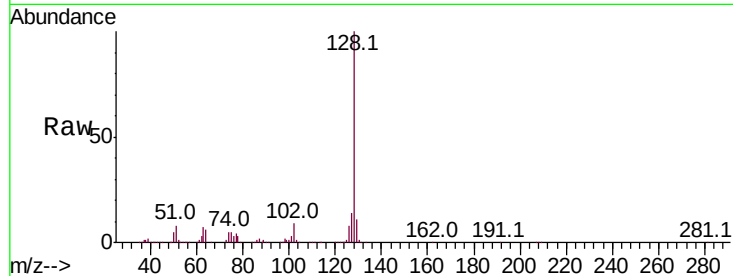




#95
Naphthalene
Concen: 82.145 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 2380092
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 84.669 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058156.D
Acq: 18 Sep 2019 10:49

Tgt Ion:180 Resp: 837524
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.2
145 31.7 16.1 48.2

