

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055443.D
 Acq On : 7 May 2019 17:35
 Operator : JC/SP
 Sample : K2658-24MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

Quant Time: May 08 05:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	360897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	583690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228131	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	256101	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	7.59	113	195857	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	698702	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	251945	58.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	203183	45.951	ug/l	100
3) Chloromethane	2.06	50	237337	43.347	ug/l	100
4) Vinyl Chloride	2.19	62	199836	45.278	ug/l	100
5) Bromomethane	2.56	94	109634	46.896	ug/l	98
6) Chloroethane	2.70	64	112735	47.151	ug/l	99
7) Trichlorofluoromethane	3.02	101	302830	48.253	ug/l	97
8) Diethyl Ether	3.41	74	124843	56.858	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	187446	50.157	ug/l	99
10) Methyl Iodide	3.96	142	247650	47.087	ug/l	99
11) Tert butyl alcohol	4.79	59	118172	437.172	ug/l	99
12) 1,1-Dichloroethene	3.74	96	172461	48.375	ug/l	98
13) Acrolein	3.61	56	67919	321.735	ug/l	99
14) Allyl chloride	4.33	41	395750	53.599	ug/l	98
15) Acrylonitrile	4.99	53	512908	337.576	ug/l	99
16) Acetone	3.82	43	391906	266.401	ug/l	99
17) Carbon Disulfide	4.06	76	424788	45.657	ug/l	99
18) Methyl Acetate	4.33	43	242777	68.121	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	615892	61.452	ug/l	99
20) Methylene Chloride	4.55	84	217509	48.440	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	182294	48.281	ug/l	98
22) Diisopropyl ether	5.95	45	842327	57.416	ug/l	98
23) Vinyl Acetate	5.90	43	2796636	290.861	ug/l	100
24) 1,1-Dichloroethane	5.85	63	412751	52.804	ug/l	98
25) 2-Butanone	6.84	43	650942	345.995	ug/l	99
26) 2,2-Dichloropropane	6.83	77	269433	49.917	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	228403	53.196	ug/l	99
28) Bromochloromethane	7.20	49	200726	50.945	ug/l	97
29) Tetrahydrofuran	7.21	42	438235	363.775	ug/l	99
30) Chloroform	7.37	83	396002	53.443	ug/l	99
31) Cyclohexane	7.65	56	346998	46.724	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	318129	52.900	ug/l	99
36) 1,1-Dichloropropene	7.80	75	268620	48.046	ug/l	100
37) Ethyl Acetate	6.93	43	257333	60.056	ug/l	98
38) Carbon Tetrachloride	7.78	117	265751	49.276	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	298300	50.183	ug/l	95
40) Benzene	8.04	78	833251	50.557	ug/l	100
41) Methacrylonitrile	7.18	41	148287	63.737	ug/l	98
42) 1,2-Dichloroethane	8.13	62	310183	53.137	ug/l	99
43) Isopropyl Acetate	8.17	43	454301	65.974	ug/l	98
44) Trichloroethene	8.84	130	210454	50.089	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252338	53.084	ug/l	100
46) Dibromomethane	9.21	93	141382	54.413	ug/l	99
47) Bromodichloromethane	9.40	83	299219	53.680	ug/l	96
48) Methyl methacrylate	9.20	41	222723	65.793	ug/l	98
49) 1,4-Dioxane	9.20	88	54915	1569.259	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1414227	364.775	ug/l	99
52) Toluene	10.16	92	493577	52.194	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	294259	60.811	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	338919	56.176	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	201222	57.302	ug/l	99
56) Ethyl methacrylate	10.43	69	296512	68.601	ug/l	100
57) 1,3-Dichloropropane	10.71	76	351831	57.112	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	389	12.681	ug/l #	52
59) 2-Hexanone	10.75	43	910167	375.207	ug/l	99
60) Dibromochloromethane	10.90	129	213500	59.487	ug/l	99
61) 1,2-Dibromoethane	11.01	107	190947	58.830	ug/l	97
64) Tetrachloroethene	10.63	164	194225	46.091	ug/l	99
65) Chlorobenzene	11.43	112	513728	50.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	203124	51.490	ug/l	100
67) Ethyl Benzene	11.51	91	1015852	55.838	ug/l	100
68) m/p-Xylenes	11.62	106	698433	107.553	ug/l	100
69) o-Xylene	11.95	106	356921	55.453	ug/l	99
70) Styrene	11.96	104	579863	58.675	ug/l	100
71) Bromoform	12.13	173	138161	63.116	ug/l #	97
73) Isopropylbenzene	12.25	105	1081642	60.234	ug/l	99
74) N-amyl acetate	12.07	43	374155	63.907	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	272685	61.029	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	324089	77.830	ug/l #	100
77) Bromobenzene	12.53	156	226418	52.121	ug/l	96
78) n-propylbenzene	12.59	91	1331046	56.800	ug/l	100
79) 2-Chlorotoluene	12.68	91	658802	53.470	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1962926	109.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65034	54.023	ug/l	93
82) 4-Chlorotoluene	12.77	91	641837	47.106	ug/l	98
83) tert-Butylbenzene	12.99	119	808808	64.750	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3679536	230.041	ug/l	99
85) sec-Butylbenzene	13.17	105	1371838	70.571	ug/l	94
86) p-Isopropyltoluene	13.29	119	879320	55.036	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	383799	50.276	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	373606	51.969	ug/l	99
89) n-Butylbenzene	13.61	91	975405	85.915	ug/l #	75
90) Hexachloroethane	13.88	117	204834	81.977	ug/l	66
91) 1,2-Dichlorobenzene	13.65	146	387551	51.222	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49726	82.853	ug/l	86

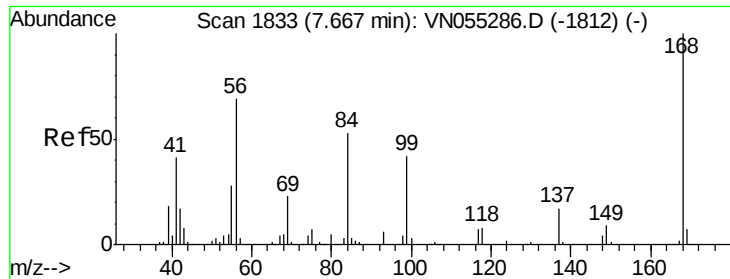
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190894	63.071	ug/l #	92
94) Hexachlorobutadiene	15.01	225	133950	59.359	ug/l	96
95) Naphthalene	15.13	128	434154	67.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	196260	65.934	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

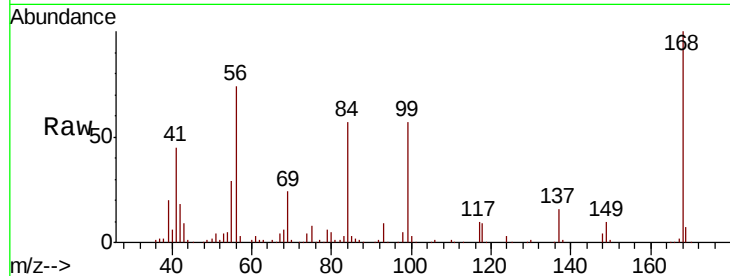
EP1-PZ-W4-5MSD

Tot Ion:168 Resp: 360897

Ion Ratio Lower Upper

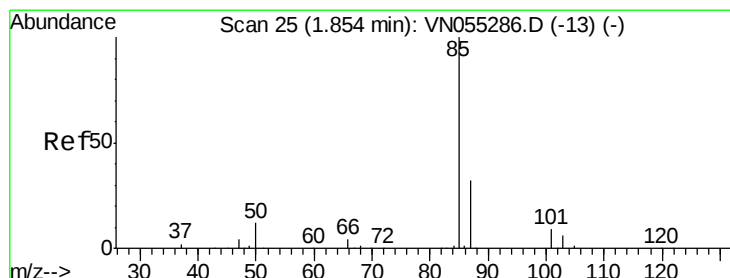
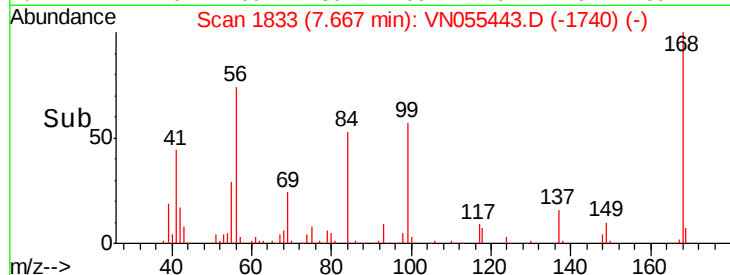
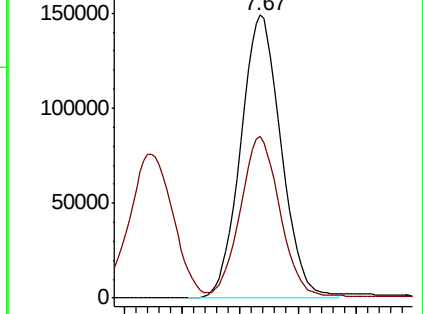
168 100

99 56.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.951 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055443.D

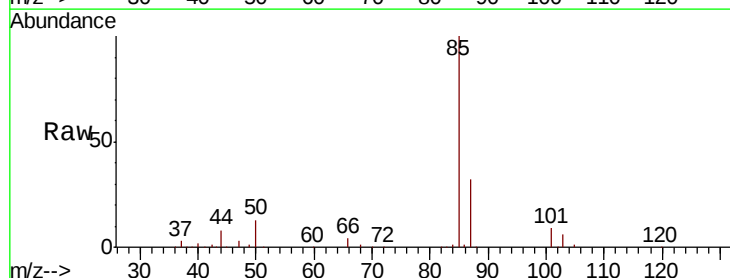
Acq: 7 May 2019 17:35

Tgt Ion: 85 Resp: 203183

Ion Ratio Lower Upper

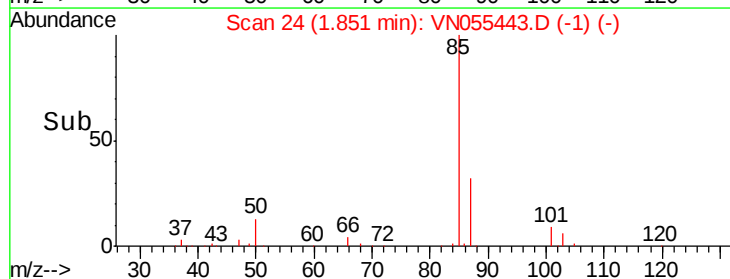
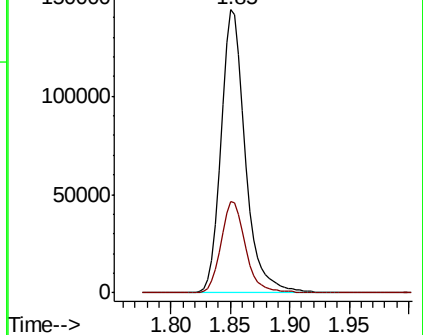
85 100

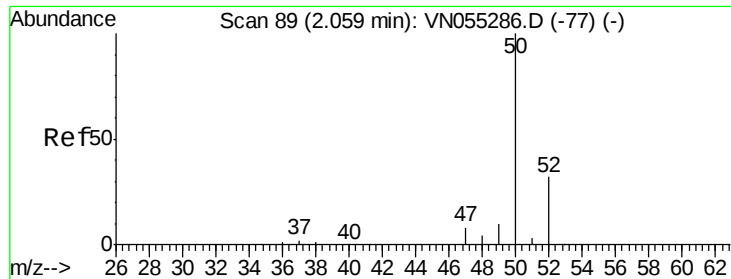
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

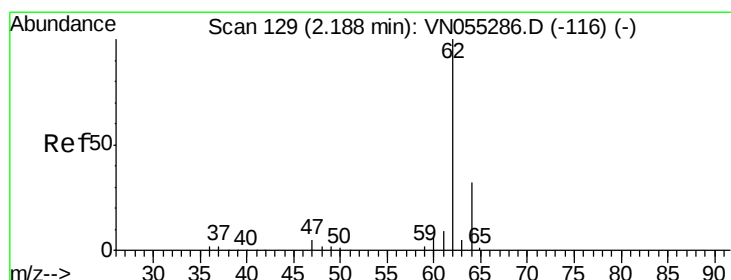
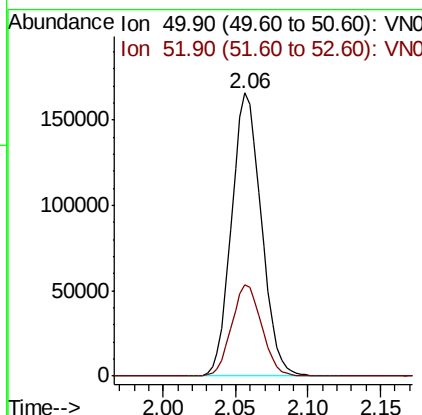
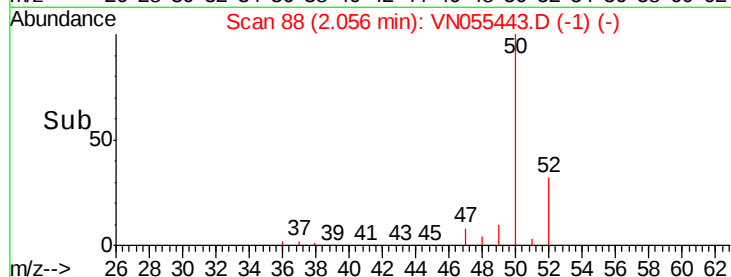
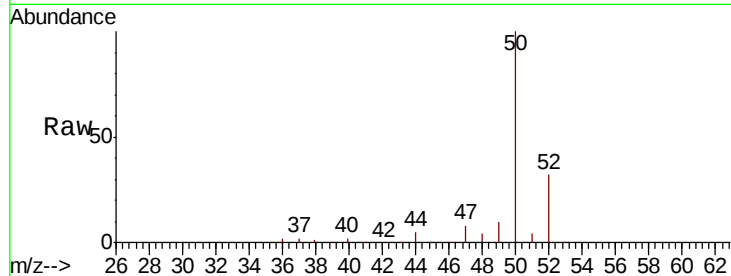




#3
 Chloromethane
 Concen: 43.347 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

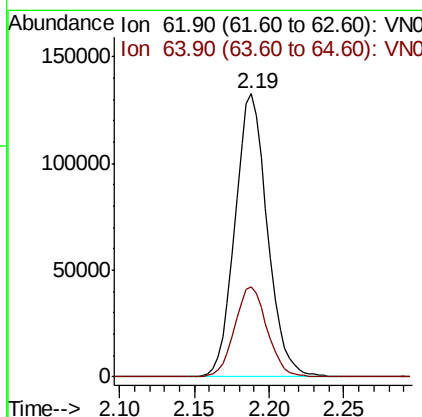
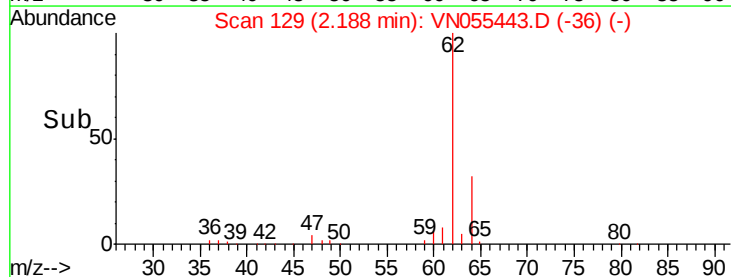
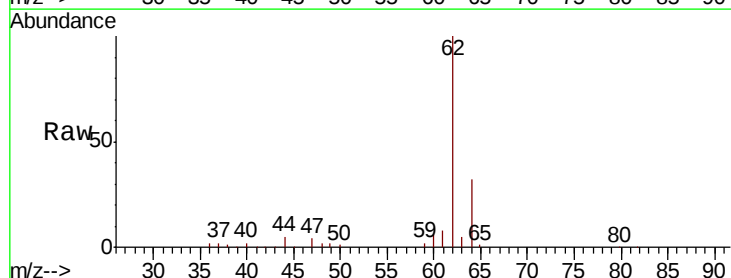
Instrument :
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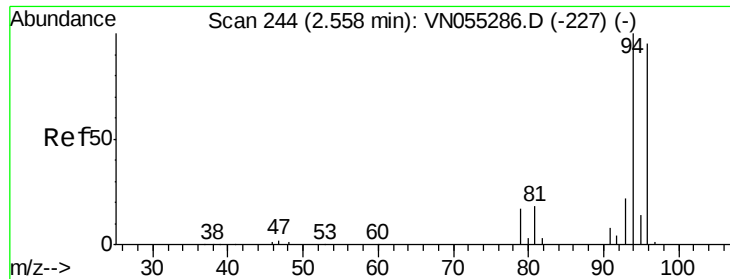
Tot Ion: 50 Resp: 237337
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.7 38.5



#4
 Vinyl Chloride
 Concen: 45.278 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 62 Resp: 199836
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.5 38.3

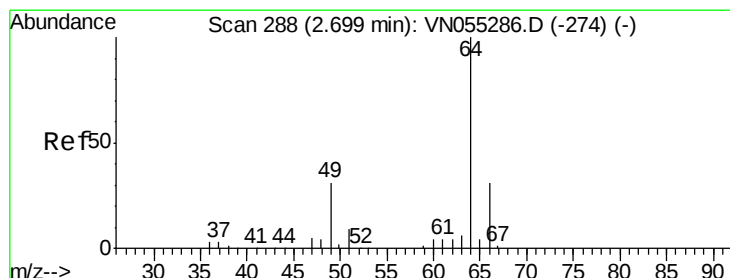
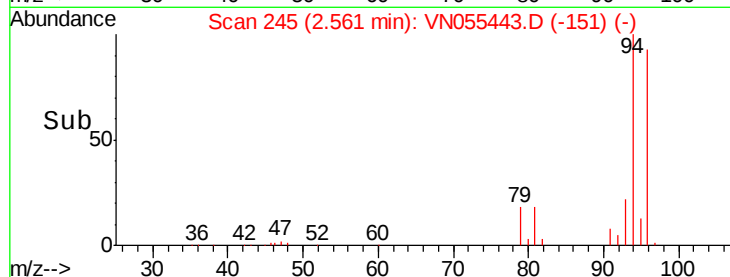
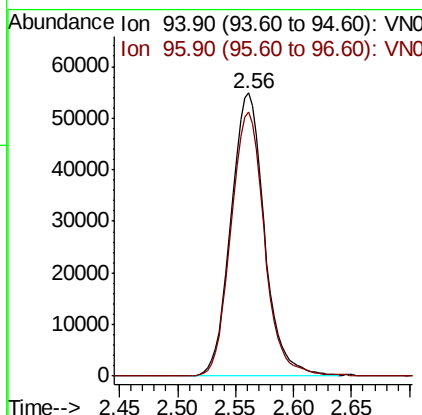
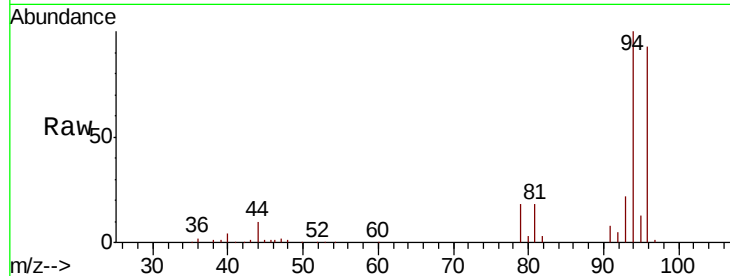




#5
Bromomethane
Concen: 46.896 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

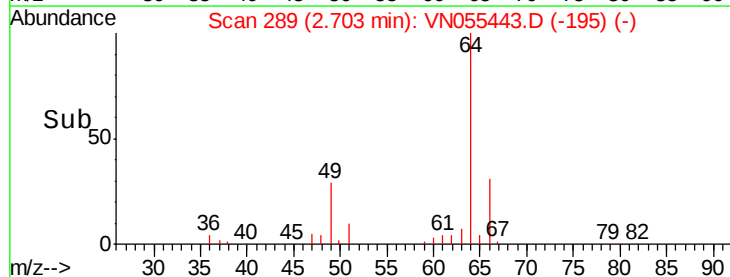
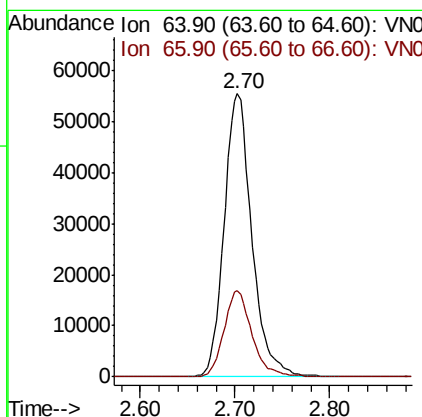
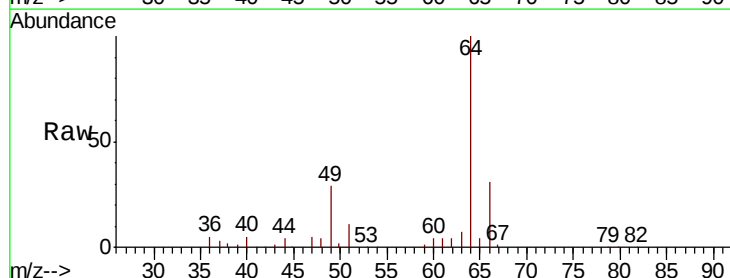
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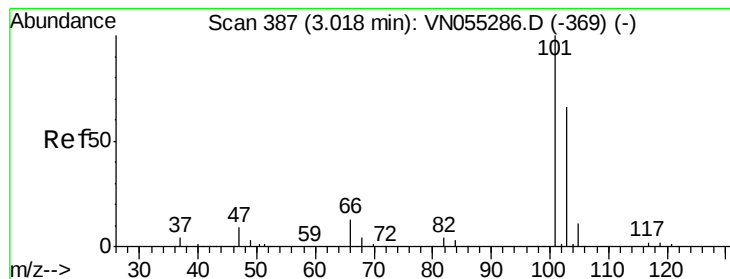
Tot Ion: 94 Resp: 109634
Ion Ratio Lower Upper
94 100
96 93.2 76.0 114.0



#6
Chloroethane
Concen: 47.151 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 64 Resp: 112735
Ion Ratio Lower Upper
64 100
66 30.6 25.0 37.4



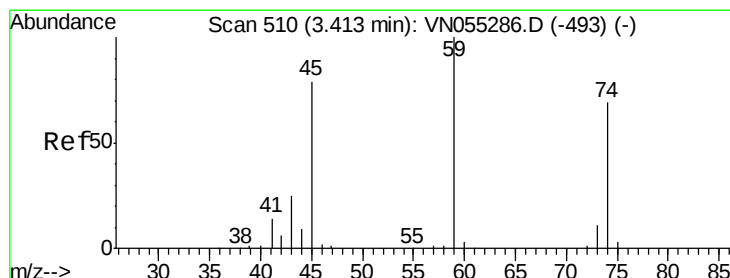
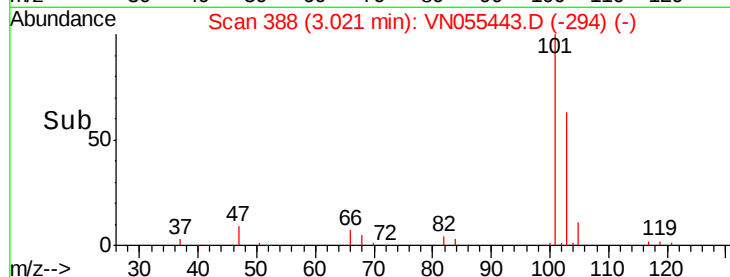
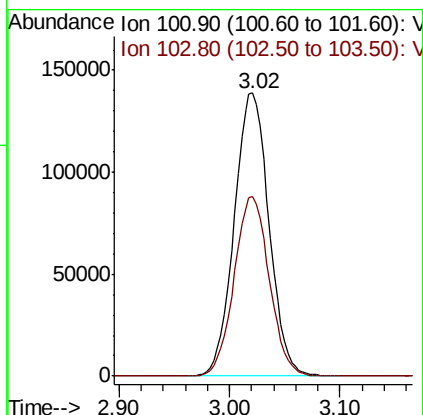
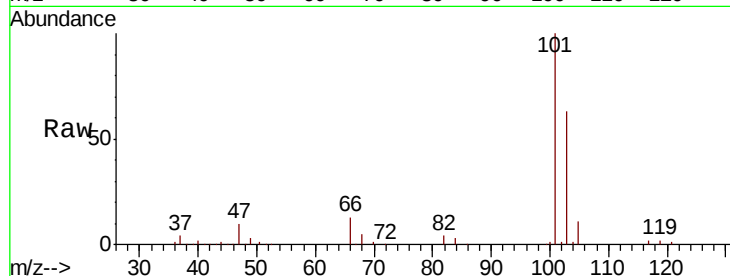


#7

Trichlorofluoromethane
 Concen: 48.253 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Instrument :
 MSVOA_N
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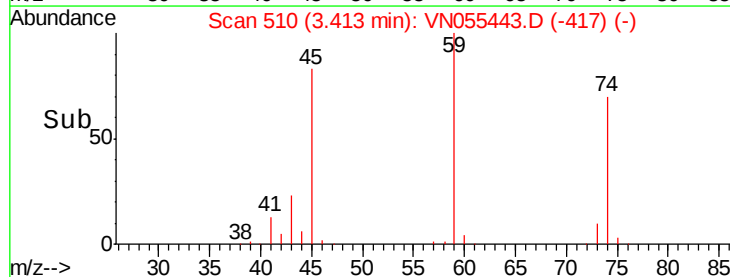
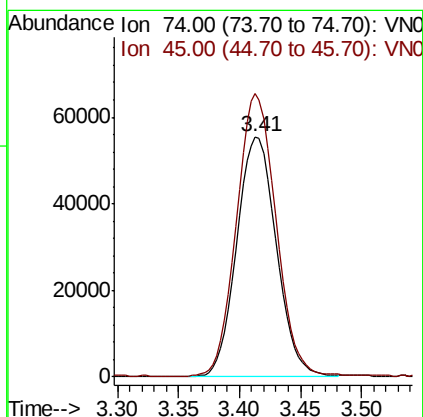
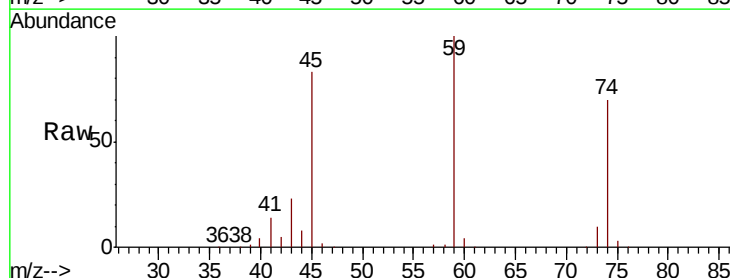
Tot Ion:101 Resp: 302830
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.6 79.0

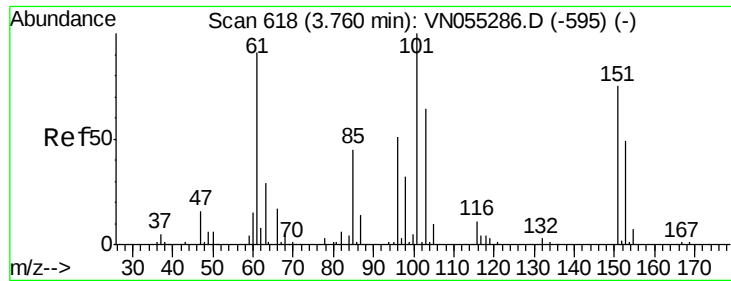


#8

Diethyl Ether
 Concen: 56.858 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 74 Resp: 124843
 Ion Ratio Lower Upper
 74 100
 45 118.0 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.157 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

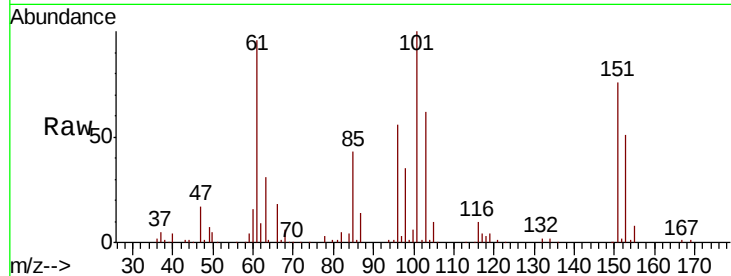
Tot Ion:101 Resp: 187446

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

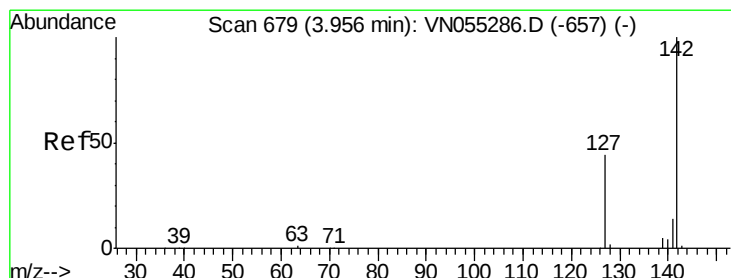
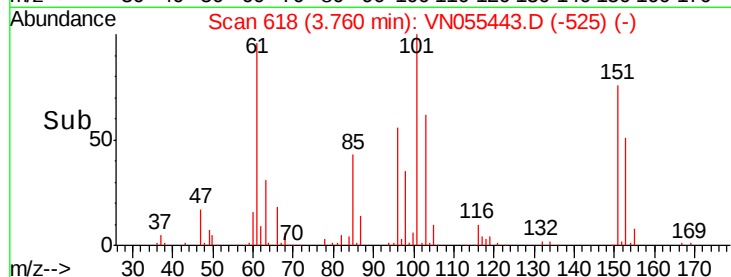
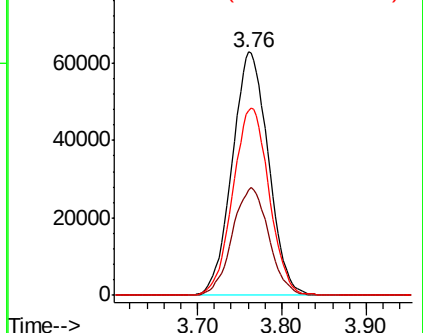
151 77.2 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.087 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

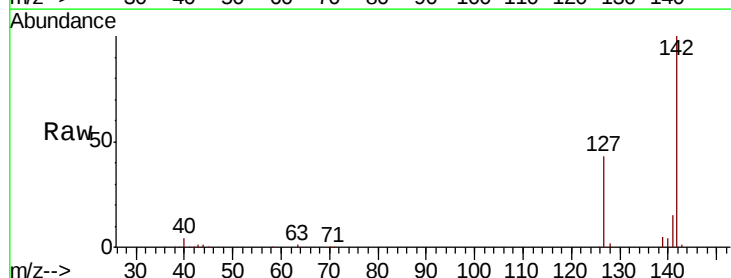
Tgt Ion:142 Resp: 247650

Ion Ratio Lower Upper

142 100

127 42.5 34.4 51.6

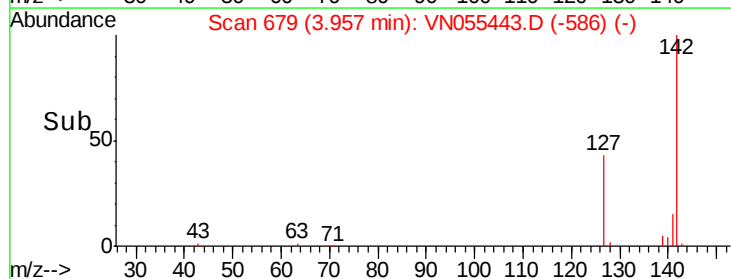
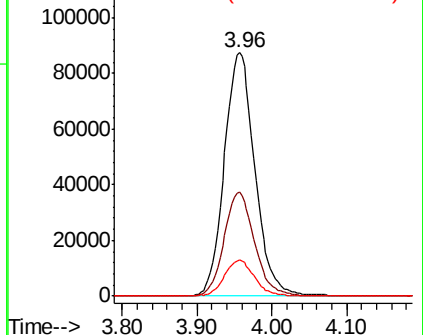
141 14.6 11.5 17.3

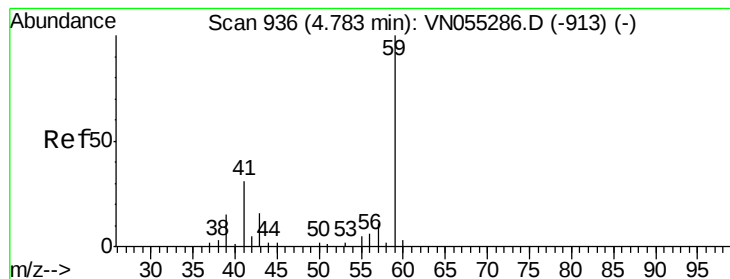


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



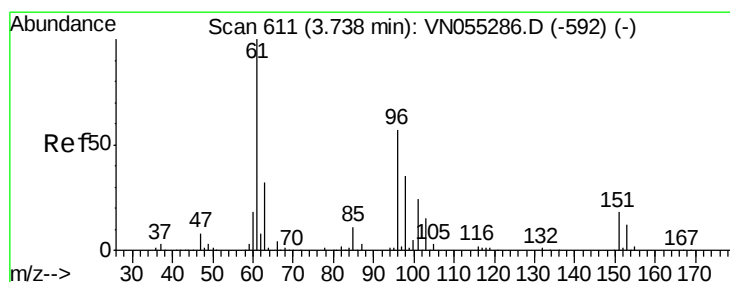
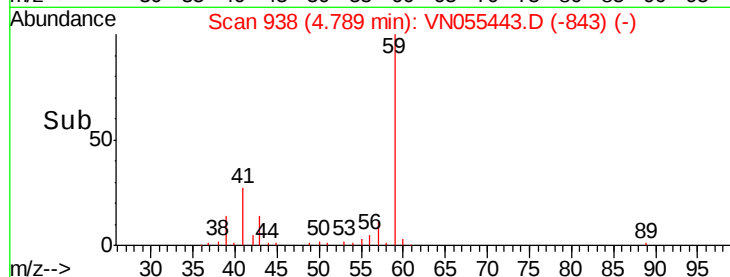
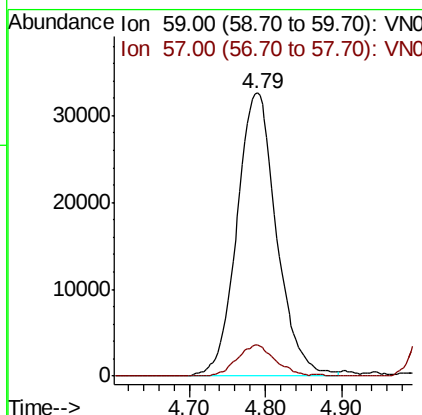
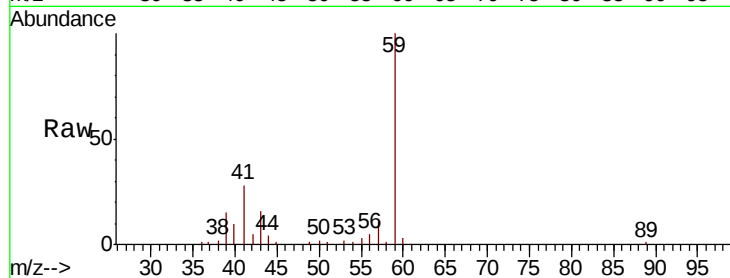


#11

Tert butyl alcohol
 Concen: 437.172 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

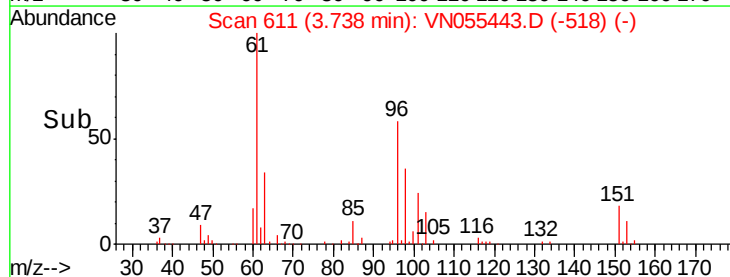
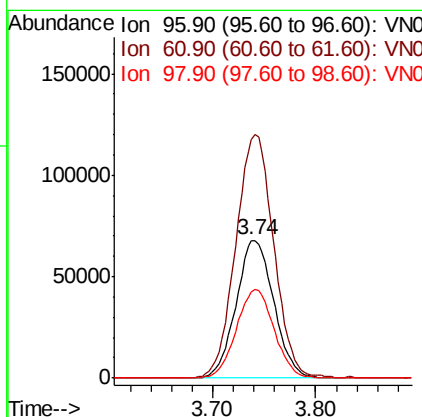
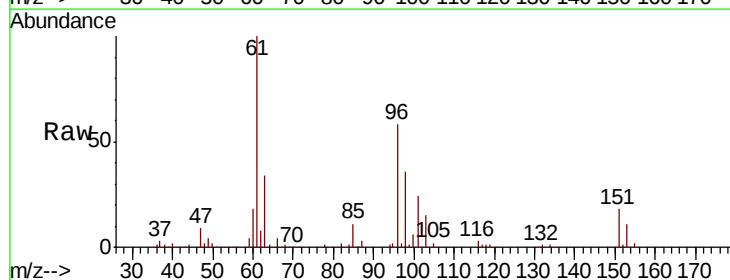
Tot Ion: 59 Resp: 118172
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

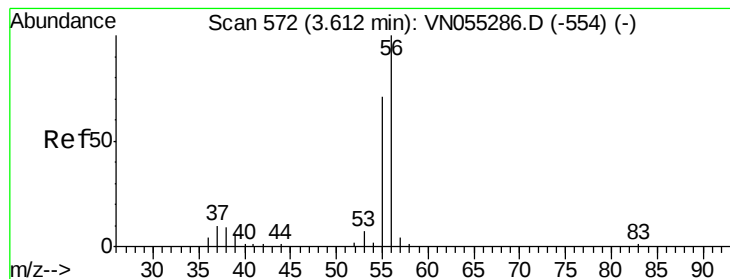


#12

1,1-Dichloroethene
 Concen: 48.375 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 96 Resp: 172461
 Ion Ratio Lower Upper
 96 100
 61 172.8 140.9 211.3
 98 62.3 50.0 75.0





#13

Acrolein

Concen: 321.735 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

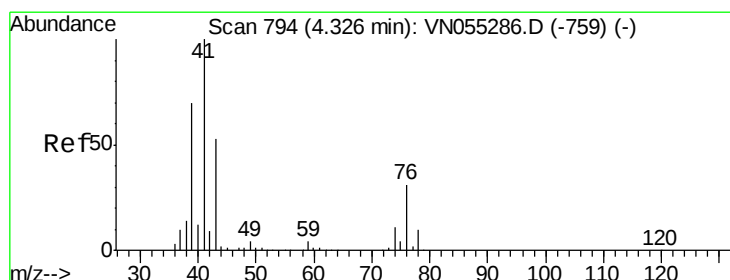
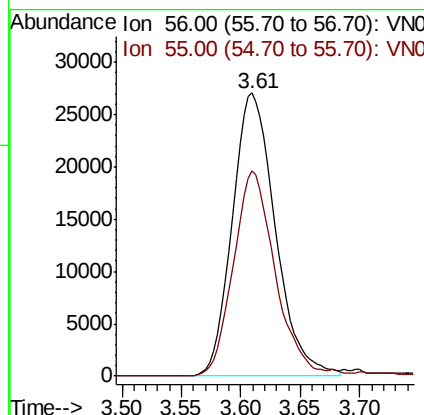
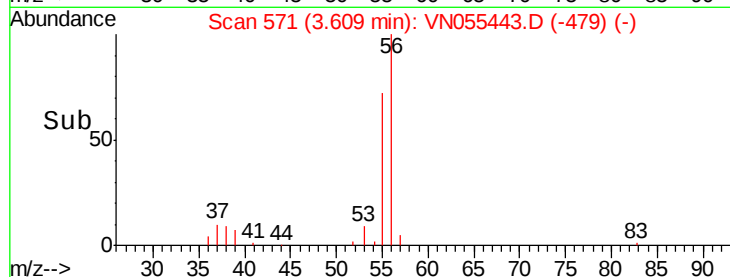
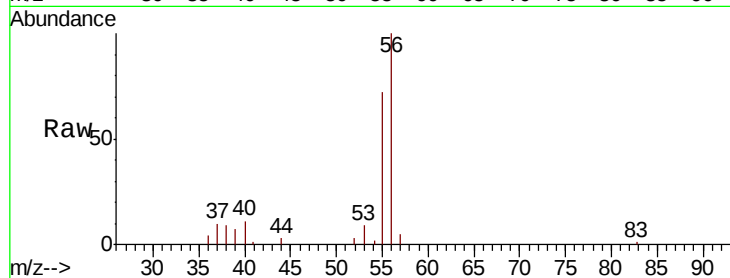
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

Tot Ion: 56 Resp: 67919

Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.2



#14

Allyl chloride

Concen: 53.599 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

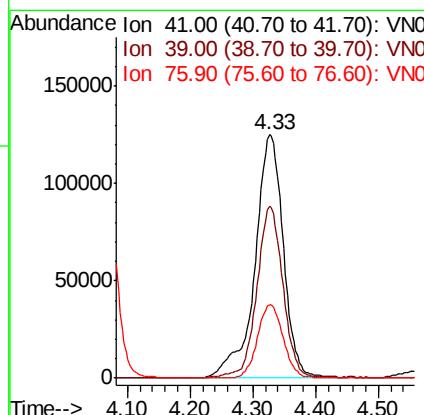
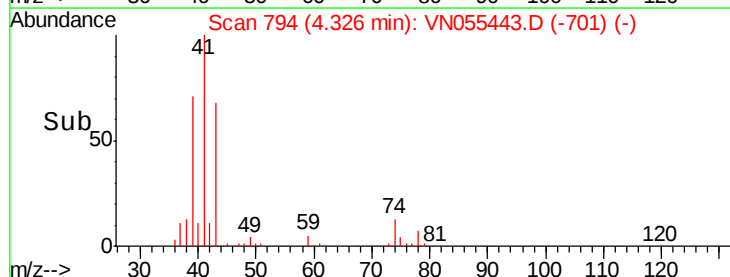
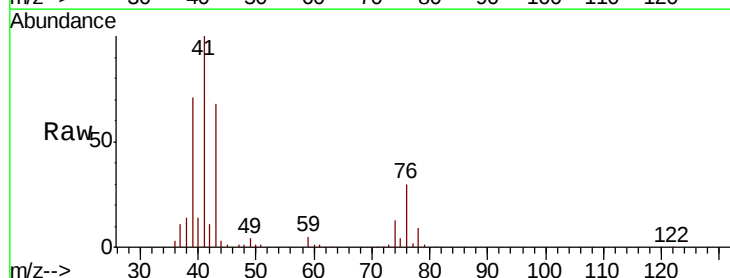
Tgt Ion: 41 Resp: 395750

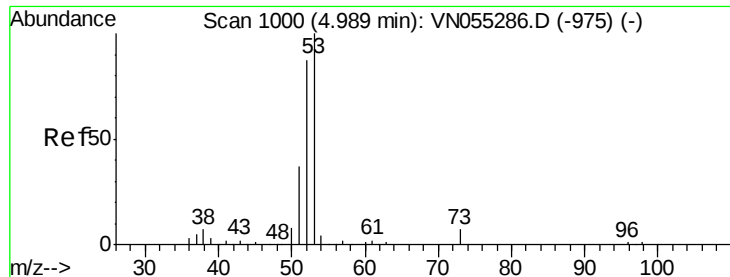
Ion Ratio Lower Upper

41 100

39 64.7 53.0 79.6

76 27.2 22.7 34.1

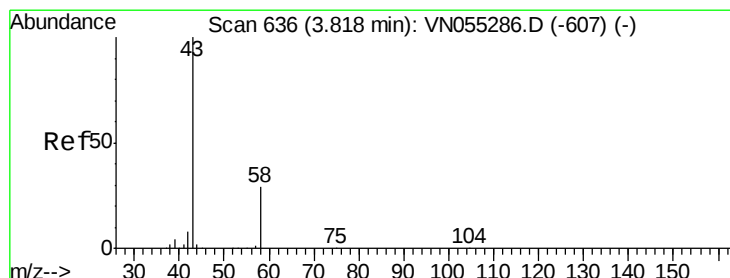
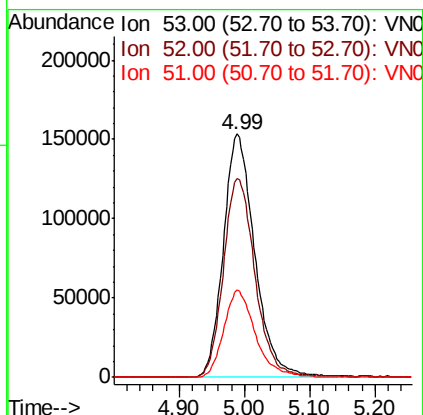
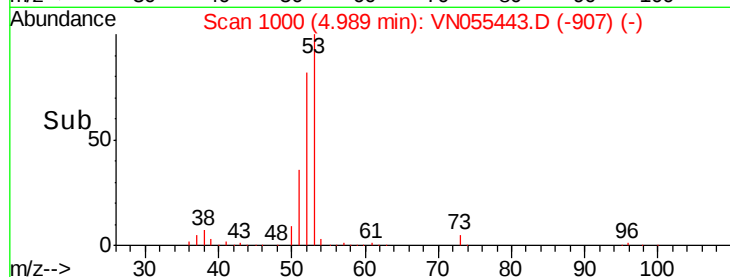
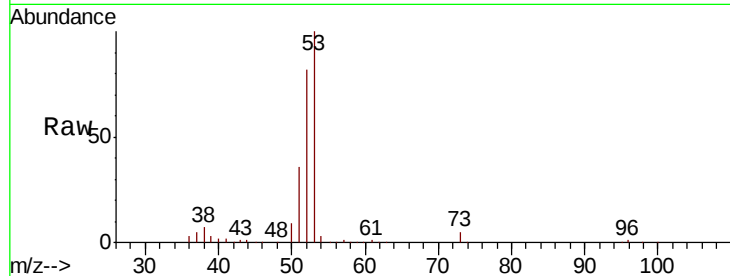




#15
 Acrylonitrile
 Concen: 337.576 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

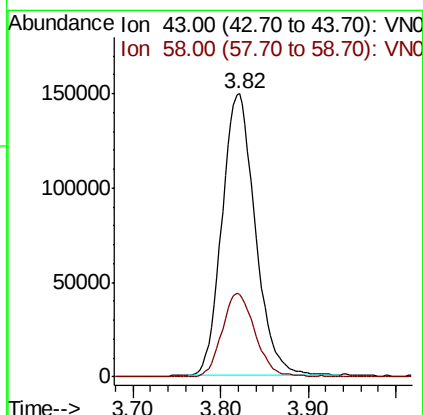
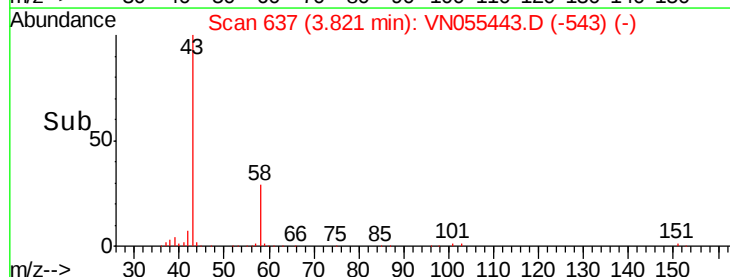
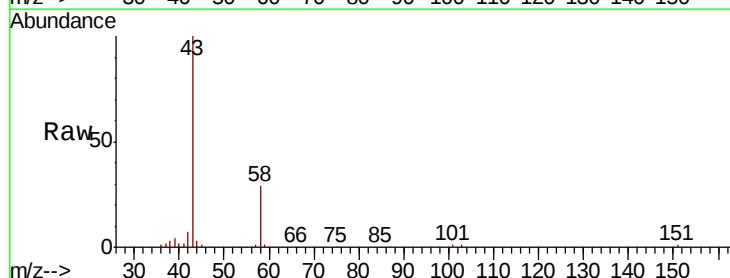
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

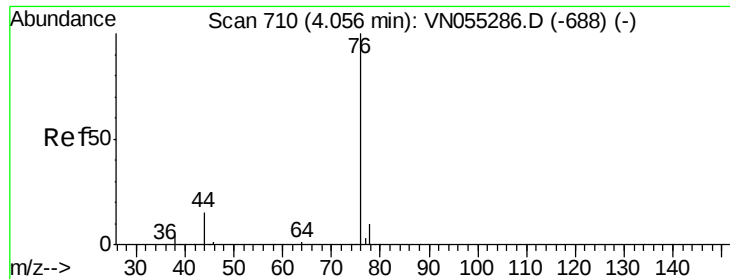
Tot Ion: 53 Resp: 512908
 Ion Ratio Lower Upper
 53 100
 52 82.0 66.5 99.7
 51 36.1 29.6 44.4



#16
 Acetone
 Concen: 266.401 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 43 Resp: 391906
 Ion Ratio Lower Upper
 43 100
 58 29.1 23.6 35.4

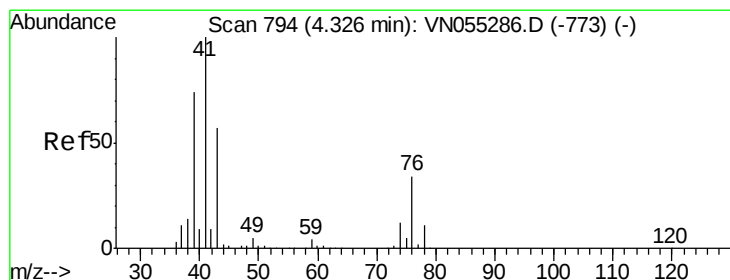
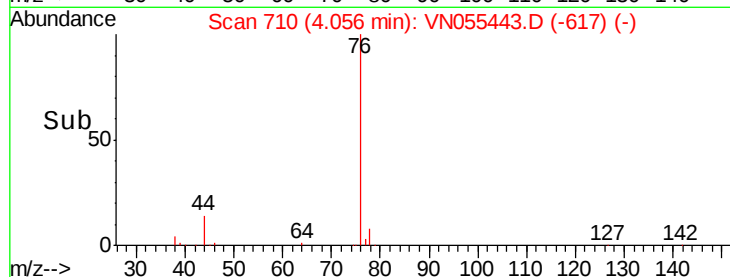
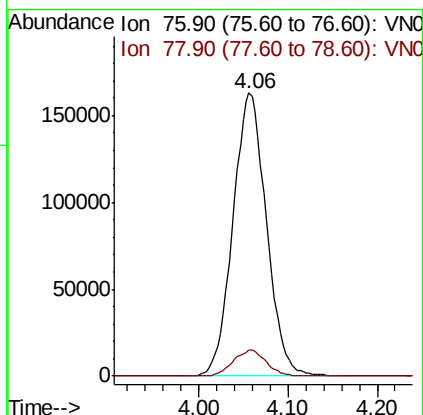
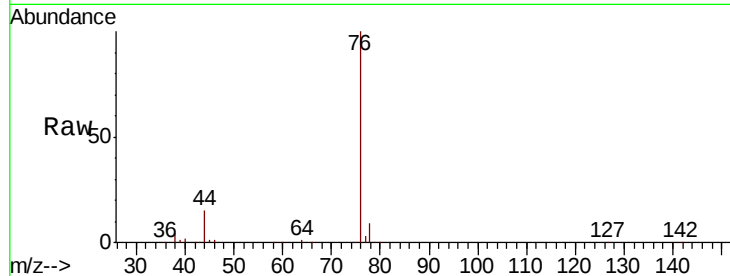




#17
Carbon Disulfide
Concen: 45.657 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

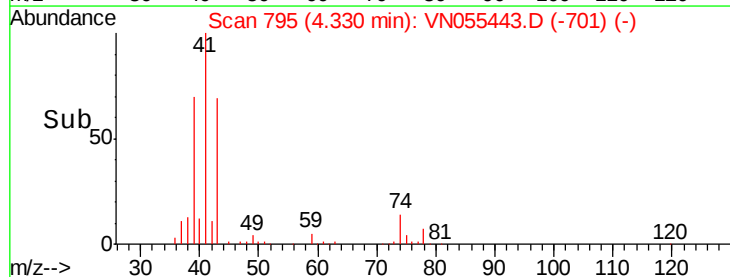
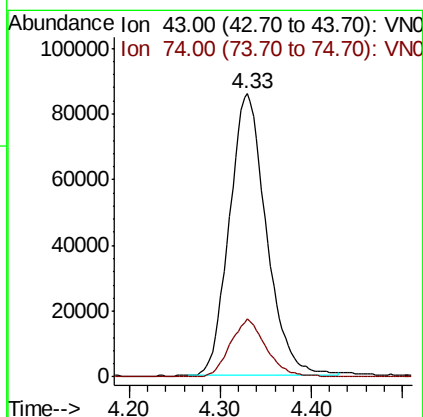
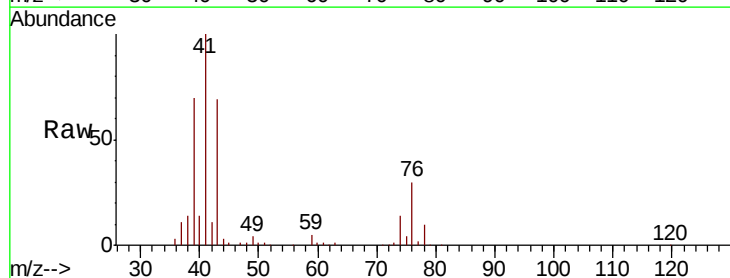
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

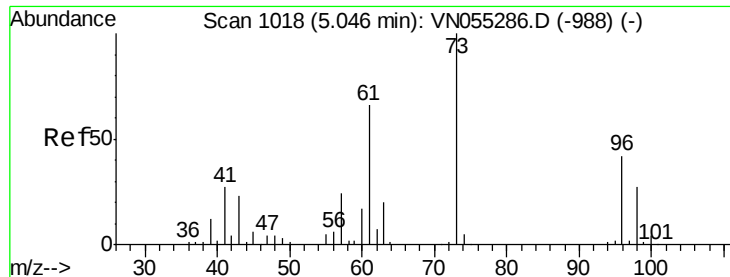
Tot Ion: 76 Resp: 424788
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4



#18
Methyl Acetate
Concen: 68.121 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 43 Resp: 242777
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8

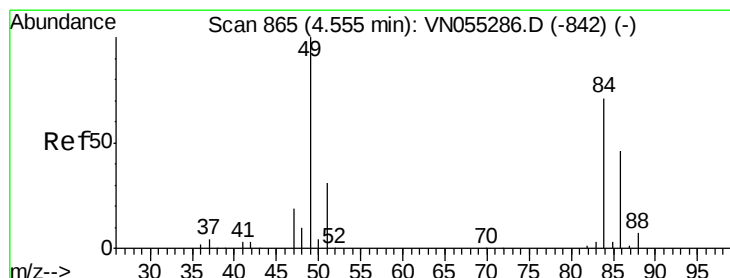
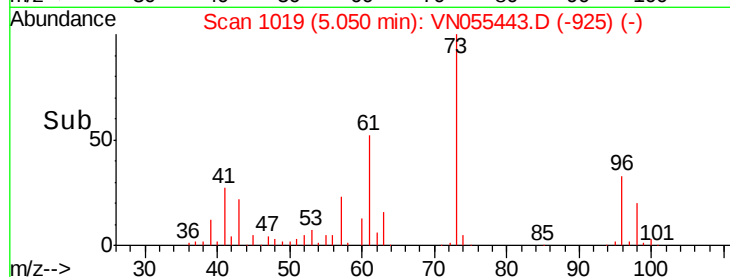
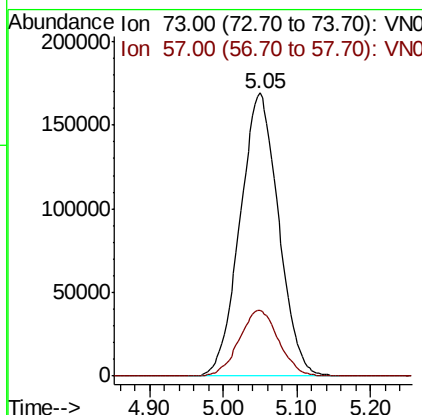
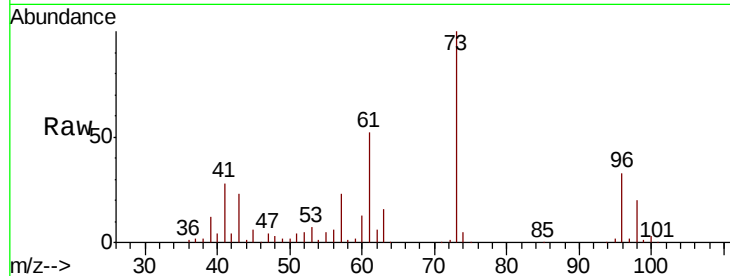




#19
Methvl tert-butvl Ether
Concen: 61.452 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

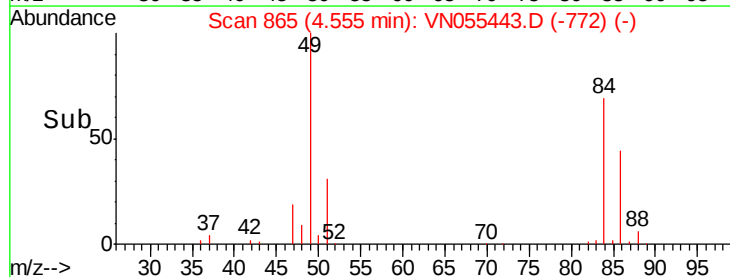
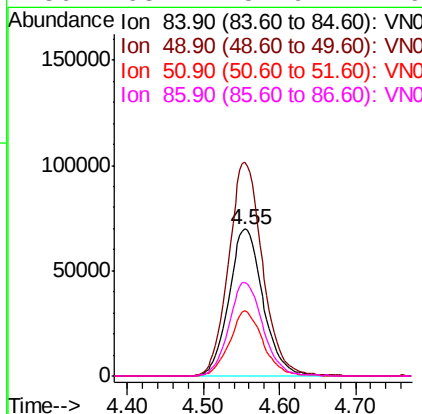
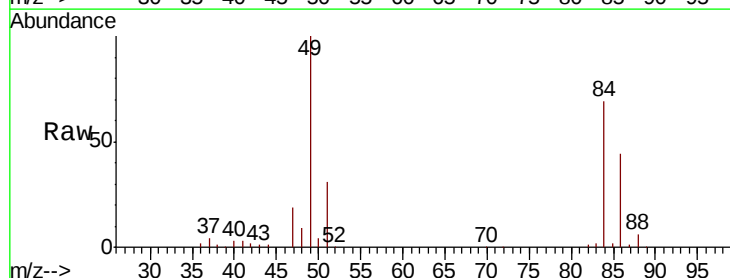
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

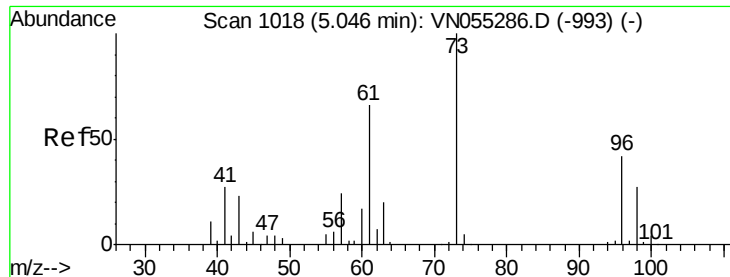
Tot Ion: 73 Resp: 615892
Ion Ratio Lower Upper
73 100
57 23.2 19.1 28.7



#20
Methylene Chloride
Concen: 48.440 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 84 Resp: 217509
Ion Ratio Lower Upper
84 100
49 145.1 112.4 168.6
51 44.3 34.6 51.8
86 63.7 51.9 77.9

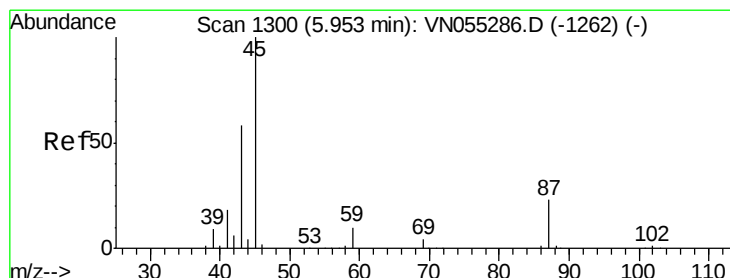
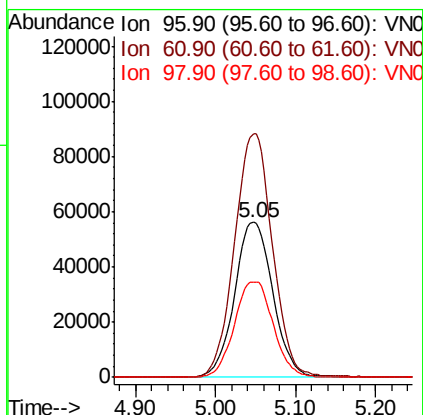
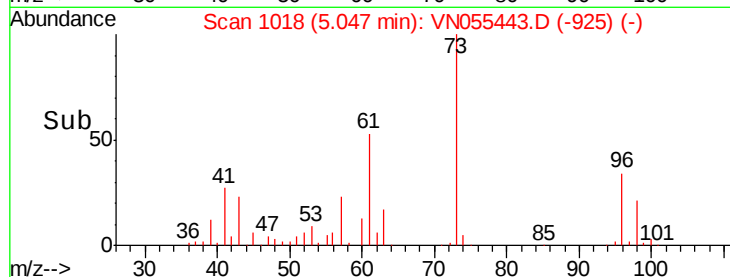
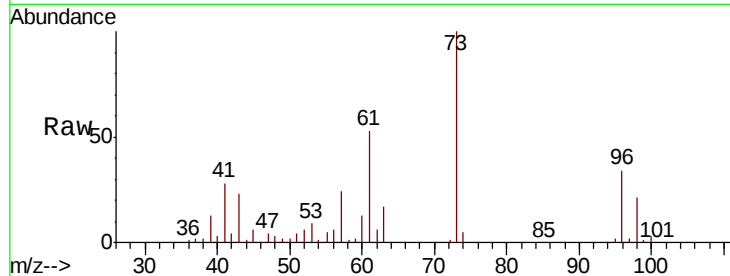




#21
trans-1,2-Dichloroethene
Concen: 48.281 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

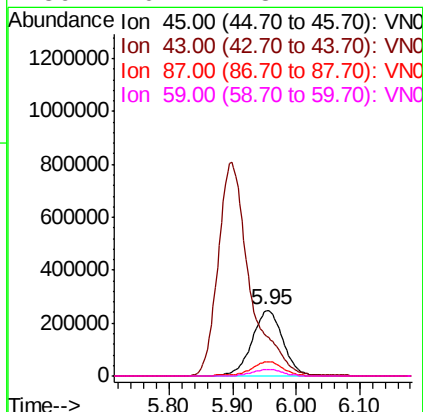
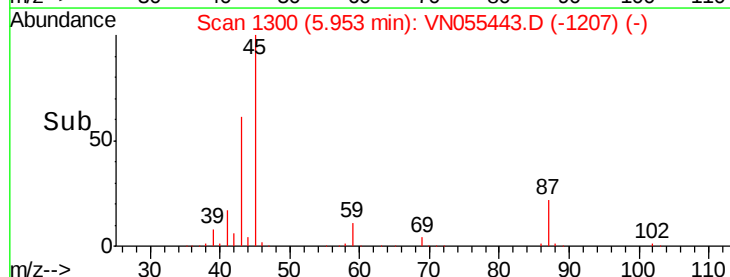
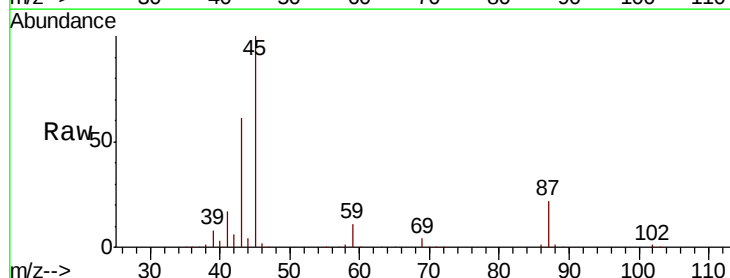
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

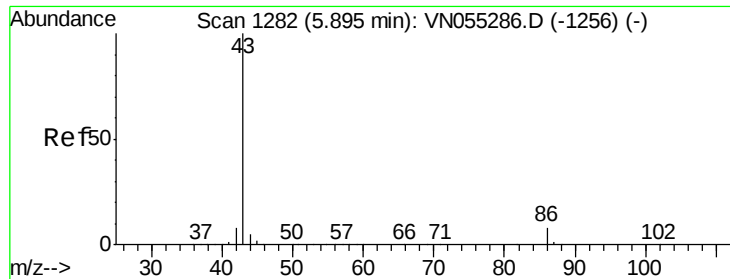
Tot Ion: 96 Resp: 182294
Ion Ratio Lower Upper
96 100
61 157.1 126.2 189.4
98 61.3 52.2 78.2



#22
Diisopropyl ether
Concen: 57.416 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 45 Resp: 842327
Ion Ratio Lower Upper
45 100
43 60.6 46.6 70.0
87 21.9 18.1 27.1
59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 290.861 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

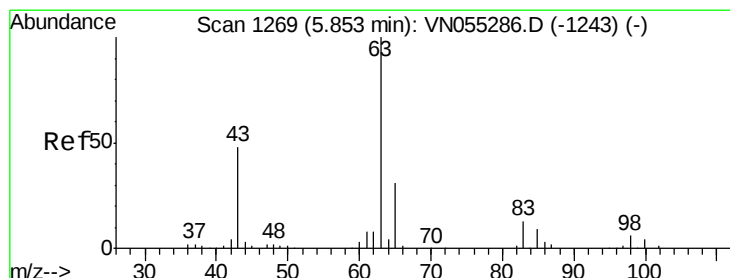
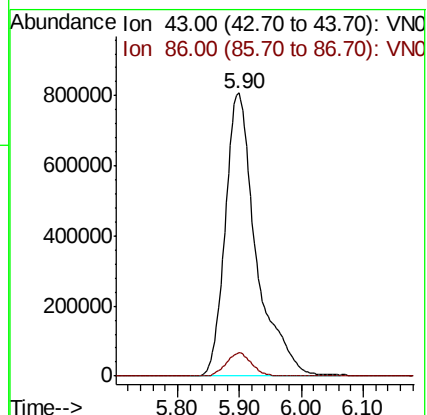
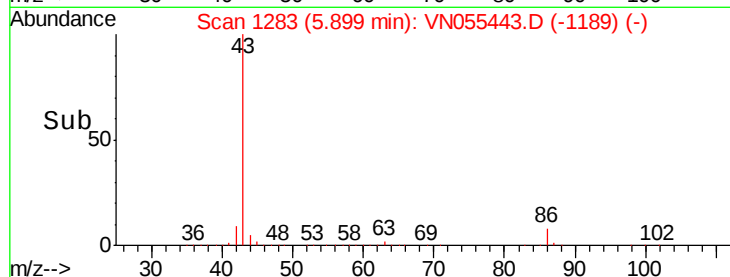
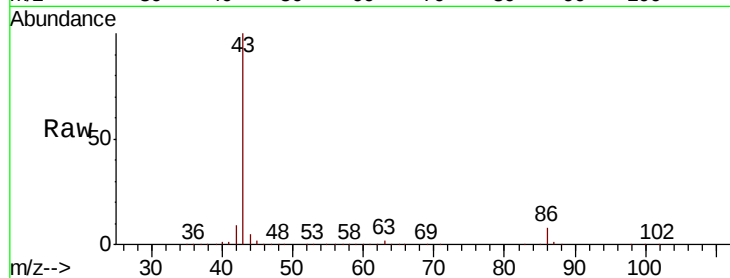
EP1-PZ-W4-5MSD

Tot Ion: 43 Resp: 2796636

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0



#24

1,1-Dichloroethane

Concen: 52.804 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

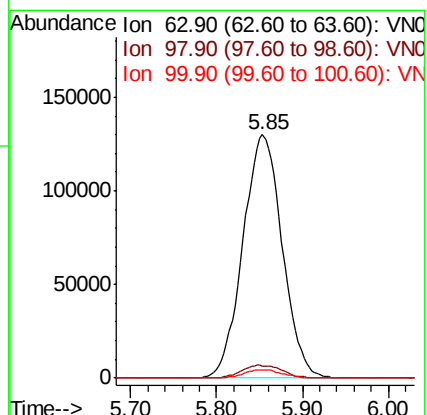
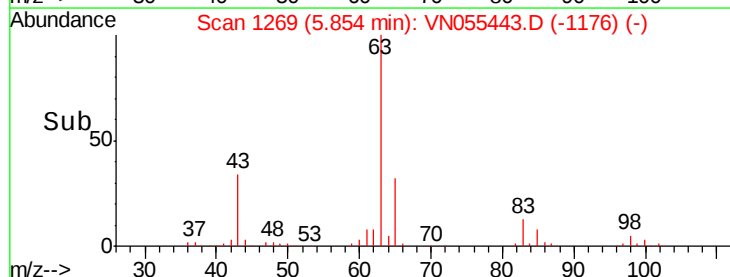
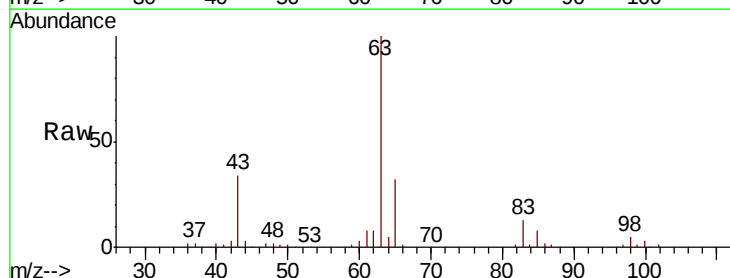
Tgt Ion: 63 Resp: 412751

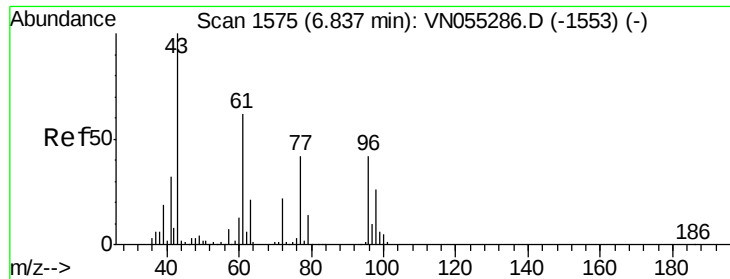
Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.0

100 3.3 1.8 5.4





#25

2-Butanone

Concen: 345.995 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

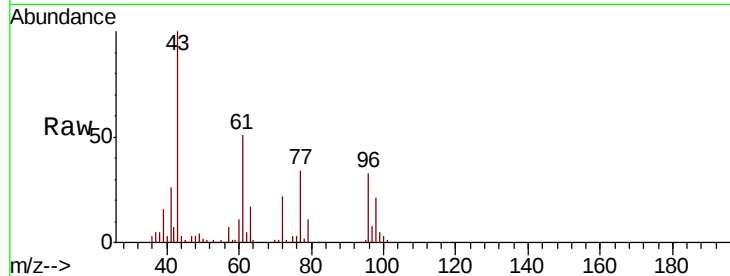
EP1-PZ-W4-5MSD

Tot Ion: 43 Resp: 650942

Ion Ratio Lower Upper

43 100

72 21.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

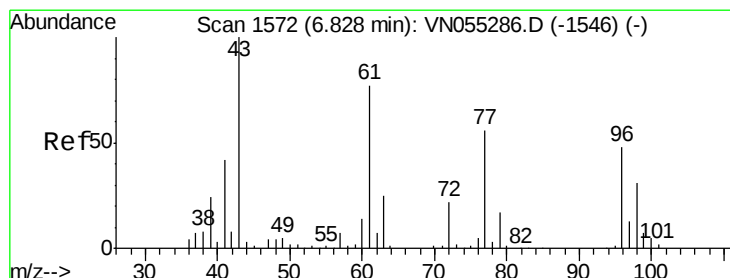
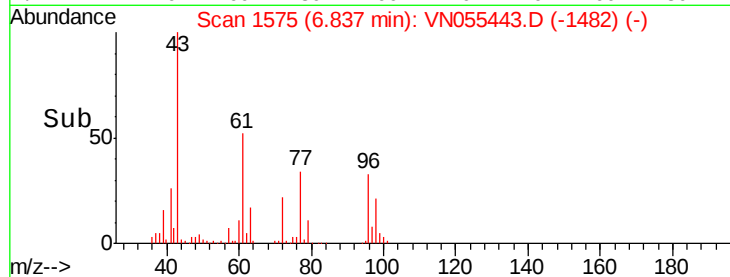
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.917 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055443.D

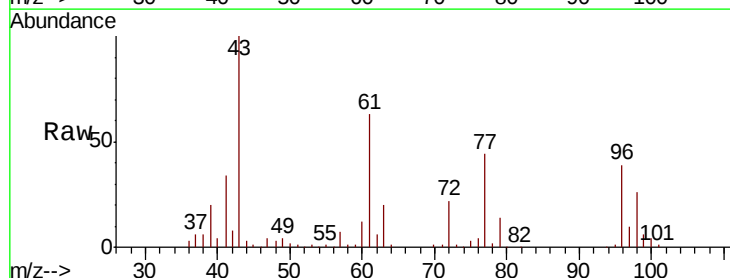
Acq: 7 May 2019 17:35

Tgt Ion: 77 Resp: 269433

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

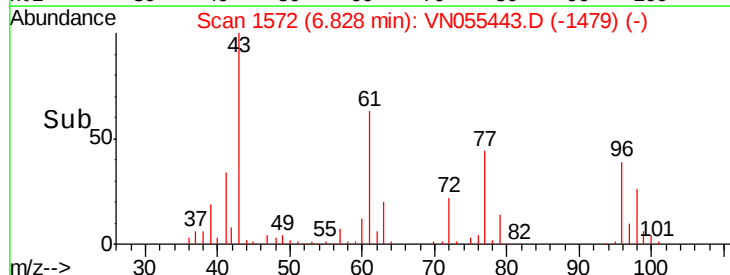
60000

40000

20000

0

Time-->

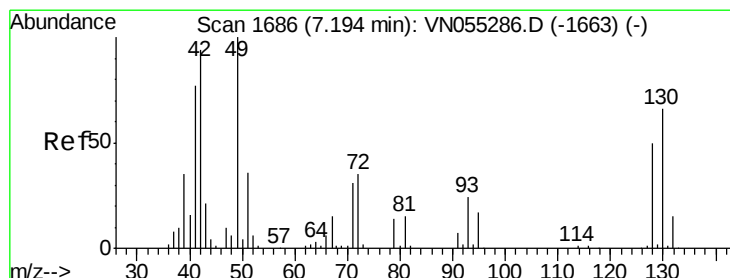
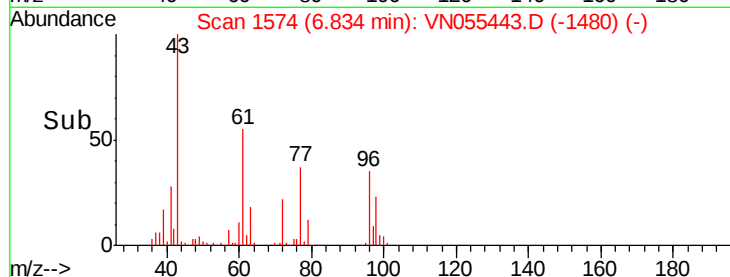
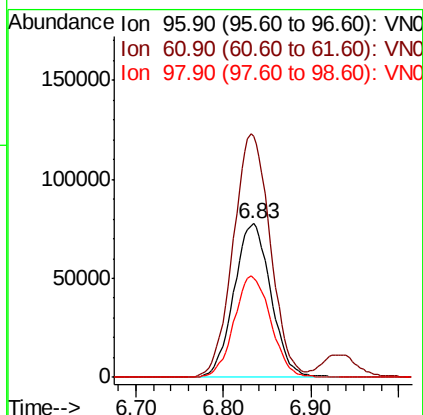
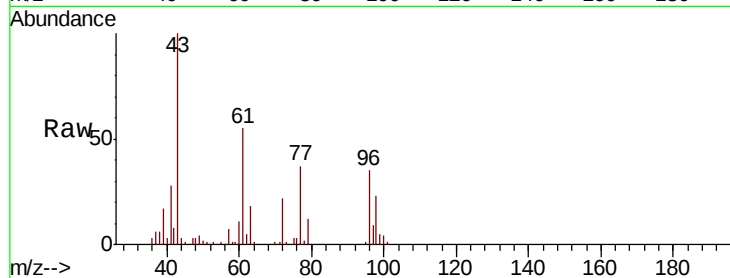




#27
 cis-1,2-Dichloroethene
 Concen: 53.196 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

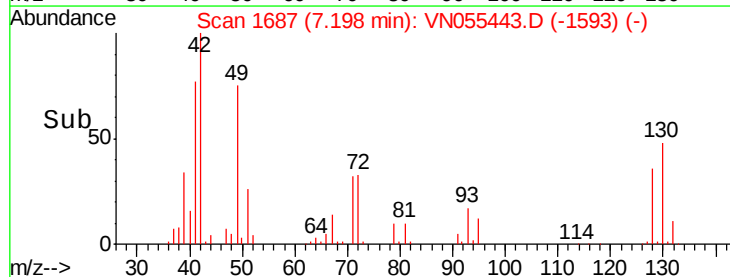
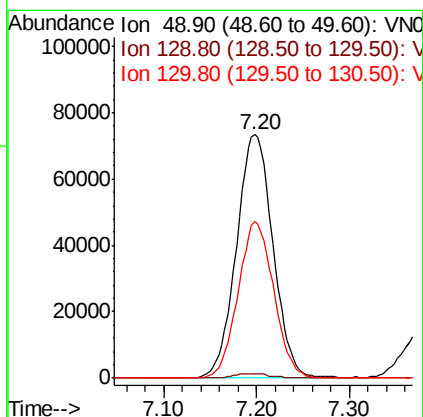
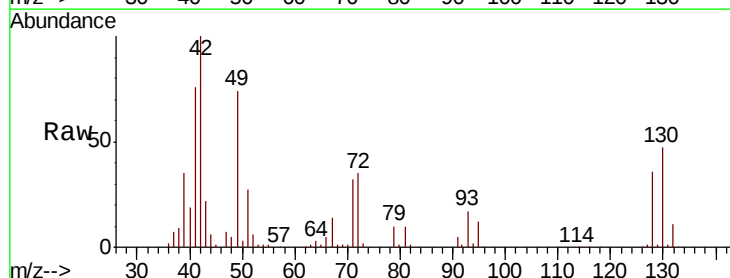
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

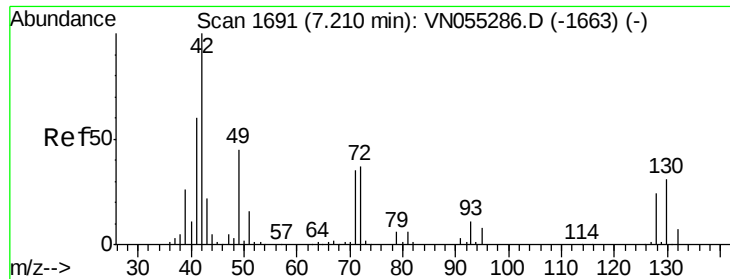
Tot Ion: 96 Resp: 228403
 Ion Ratio Lower Upper
 96 100
 61 158.7 0.0 316.2
 98 65.1 0.0 126.6



#28
 Bromochloromethane
 Concen: 50.945 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 49 Resp: 200726
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.4
 130 62.7 52.0 78.0

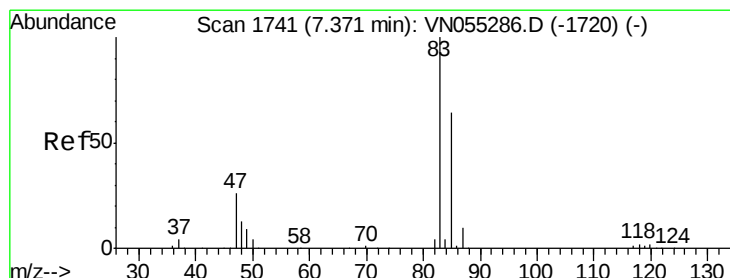
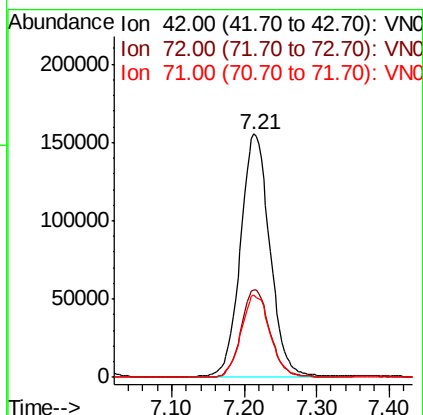
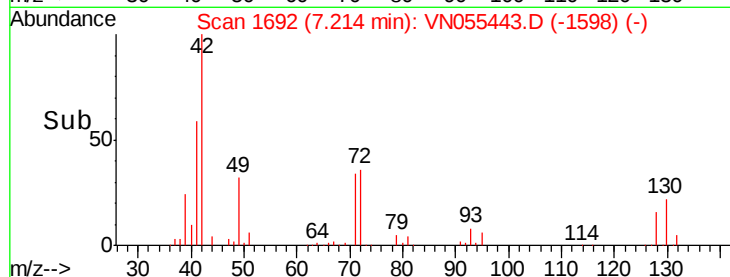
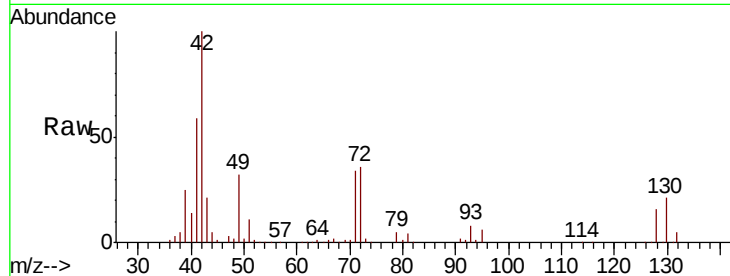




#29
Tetrahydrofuran
Concen: 363.775 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

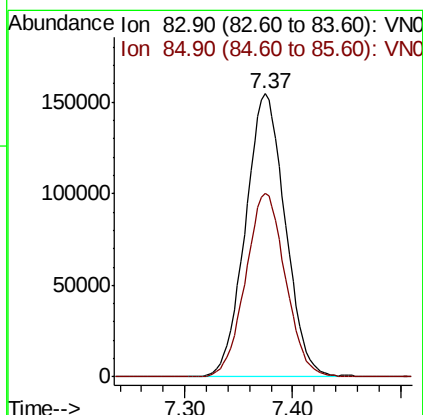
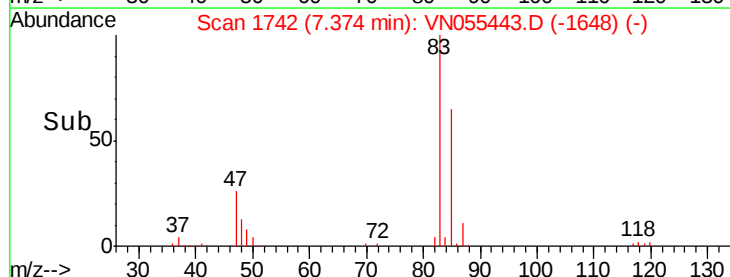
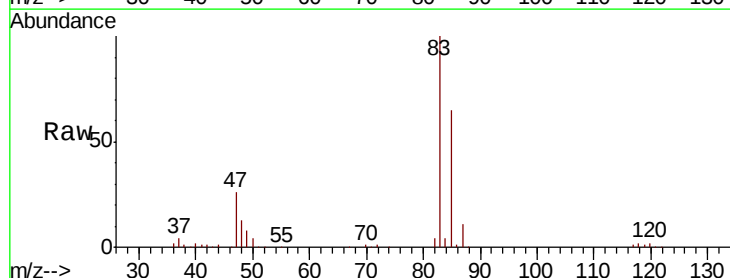
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

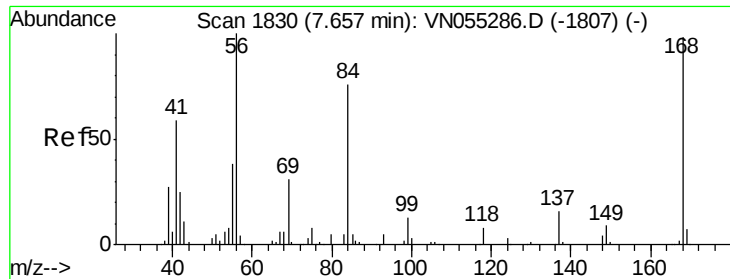
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.0	43.6
71	33.6	27.1	40.7



#30
Chloroform
Concen: 53.443 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2

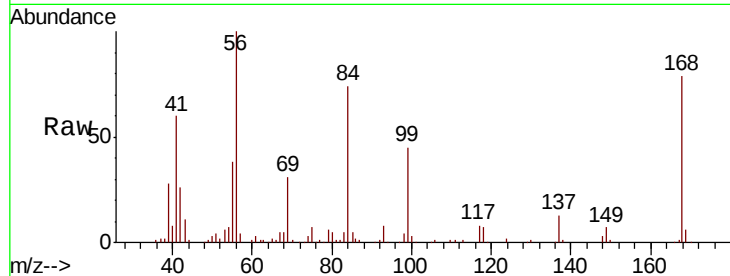




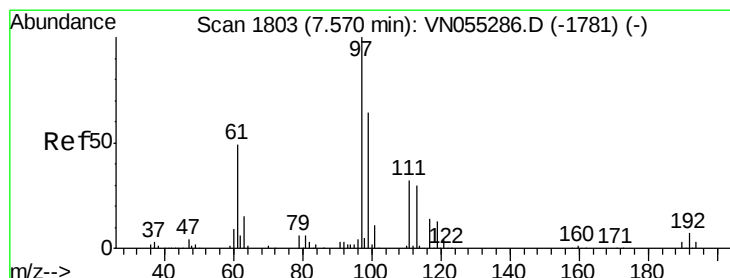
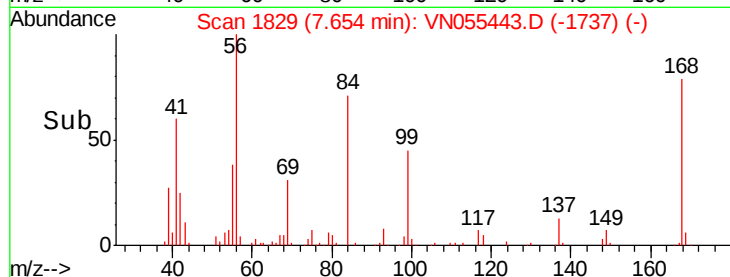
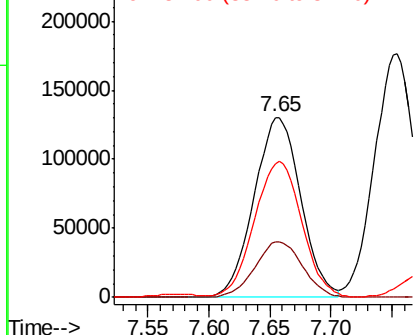
#31
Cyclohexane
Concen: 46.724 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

Tot Ion: 56 Resp: 346998
Ion Ratio Lower Upper
56 100
69 30.9 25.2 37.8
84 73.1 61.1 91.7

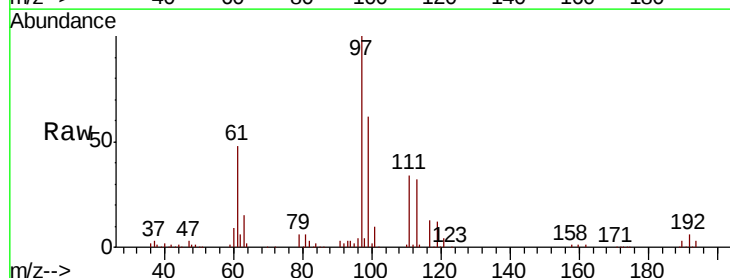


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

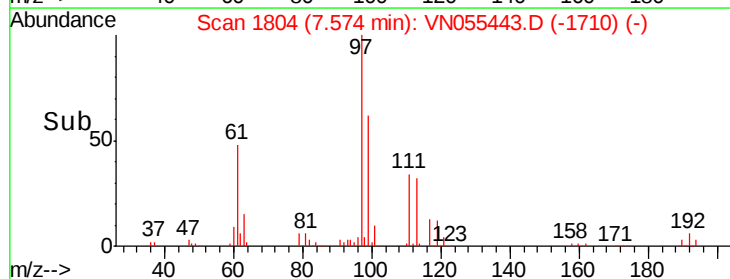
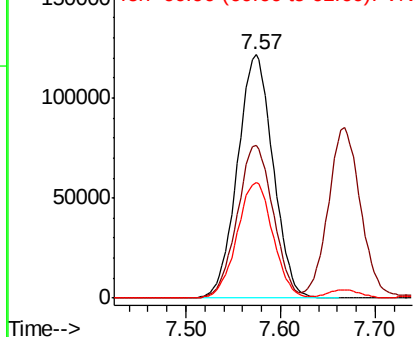


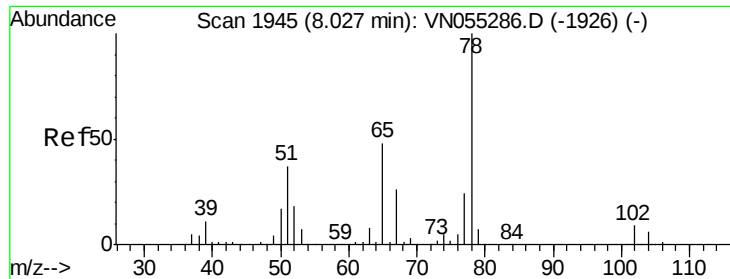
#32
1,1,1-Trichloroethane
Concen: 52.900 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 97 Resp: 318129
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.8
61 48.0 39.0 58.6



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

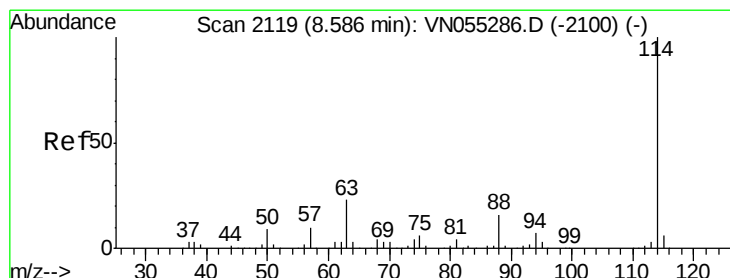
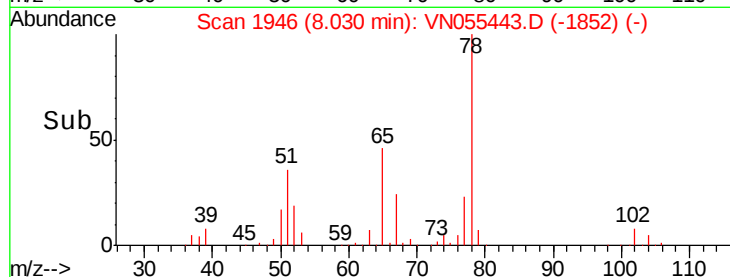
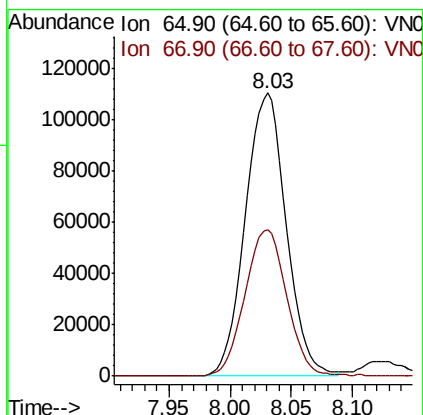
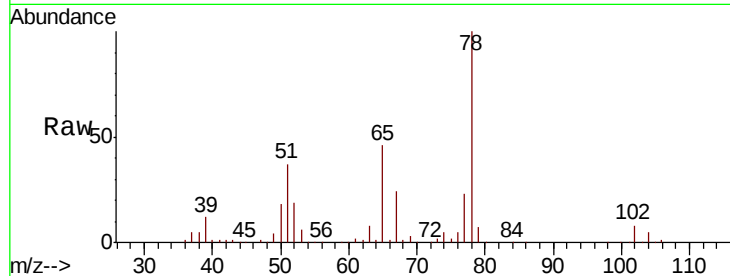




#33
 1,2-Dichloroethane-d4
 Concen: 54.243 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

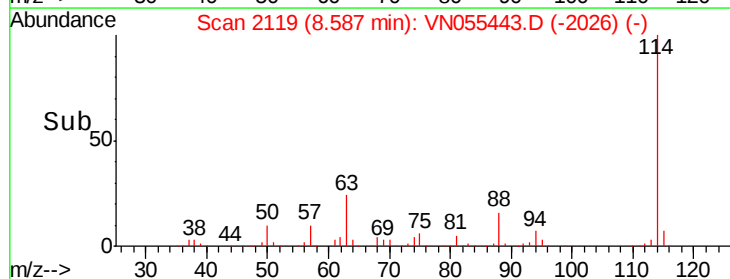
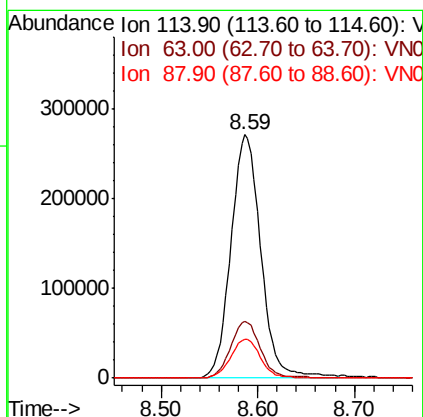
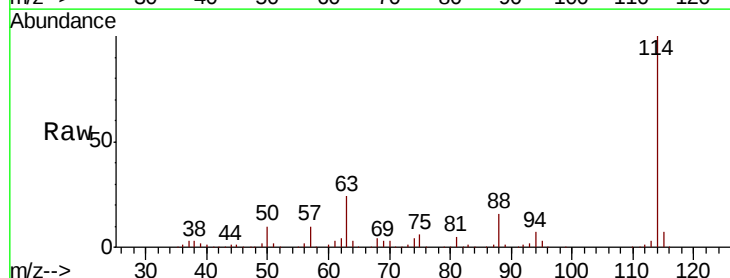
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

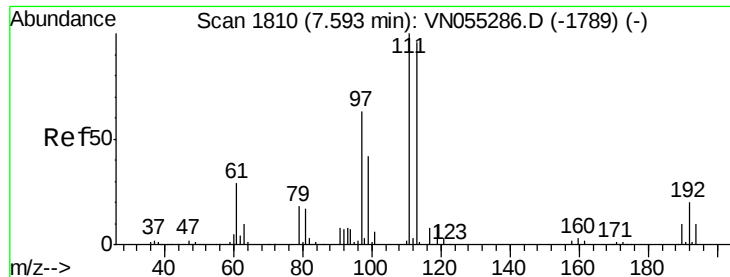
Tot Ion: 65 Resp: 256101
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 114 Resp: 583690
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.2
 88 16.1 0.0 31.6

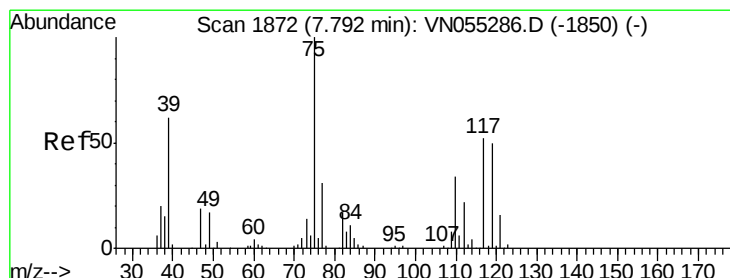
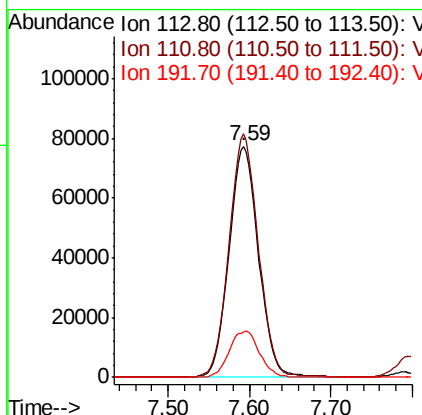
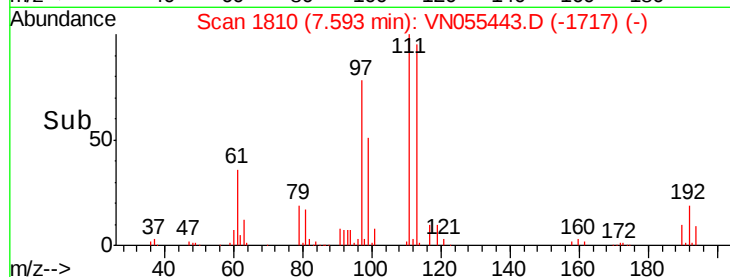
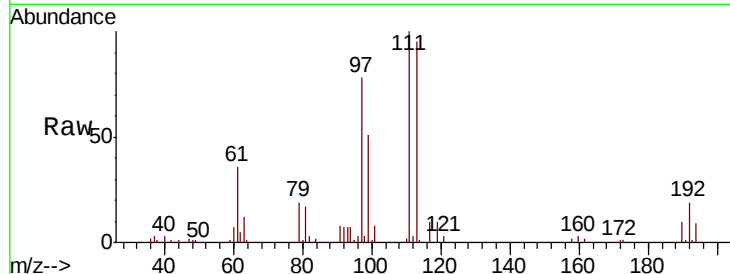




#35
Dibromofluoromethane
Concen: 51.122 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

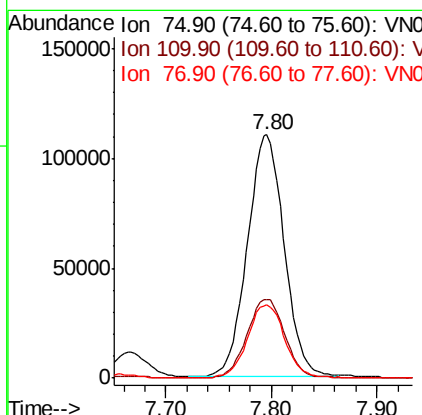
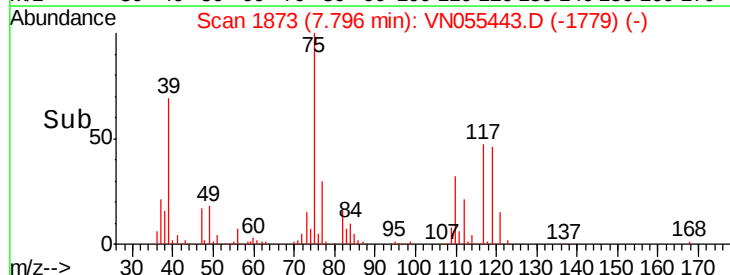
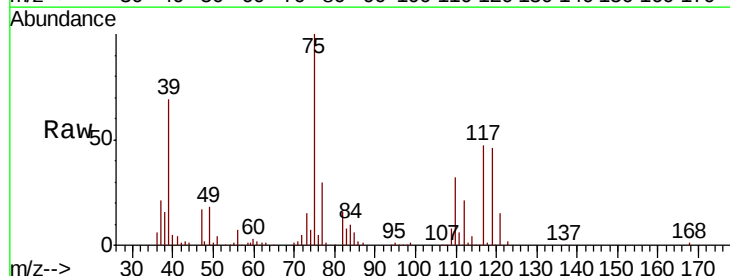
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

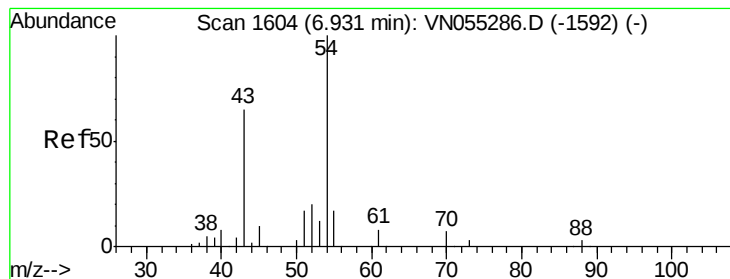
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.3	123.5
192	20.6	17.0	25.6



#36
1,1-Dichloropropene
Concen: 48.046 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	30.9	25.0	37.6





#37

Ethyl Acetate

Concen: 60.056 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

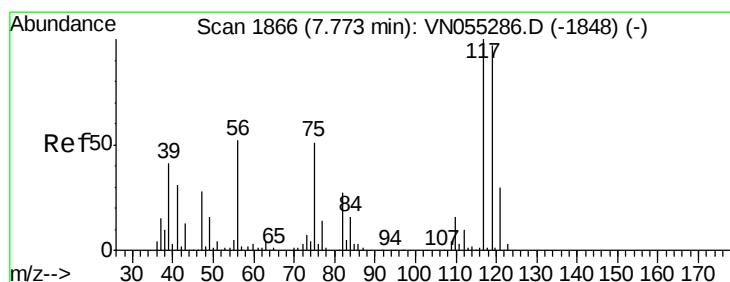
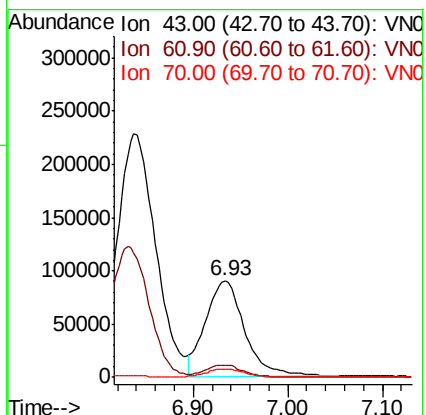
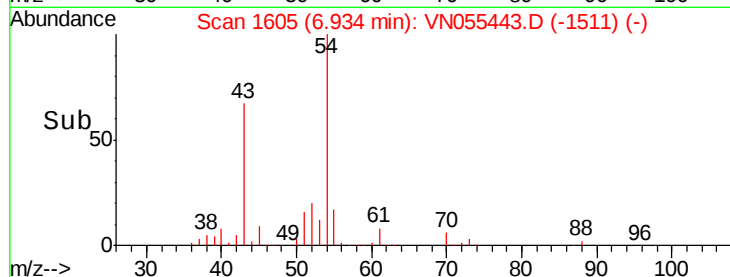
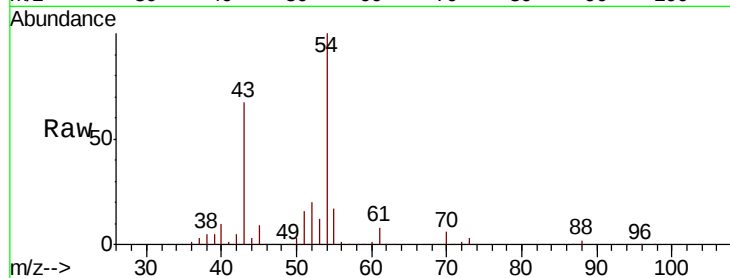
Tot Ion: 43 Resp: 257333

Ion Ratio Lower Upper

43 100

61 12.4 10.4 15.6

70 8.9 6.6 10.0



#38

Carbon Tetrachloride

Concen: 49.276 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

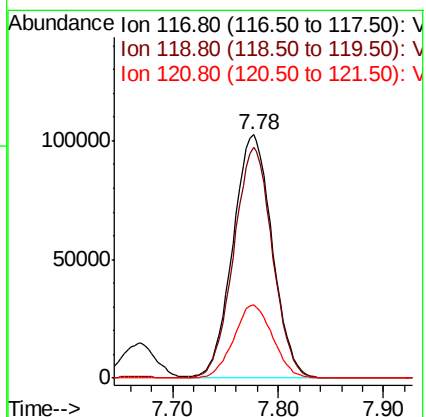
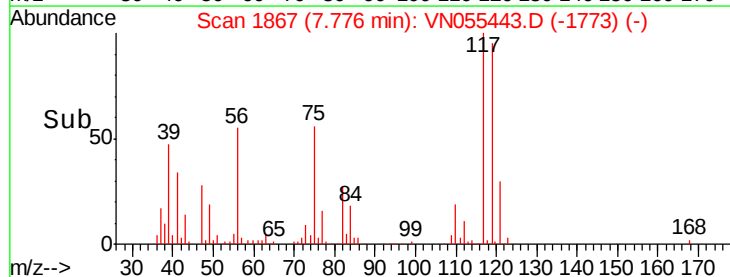
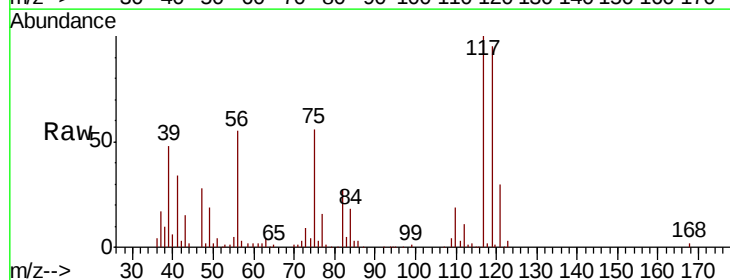
Tgt Ion: 117 Resp: 265751

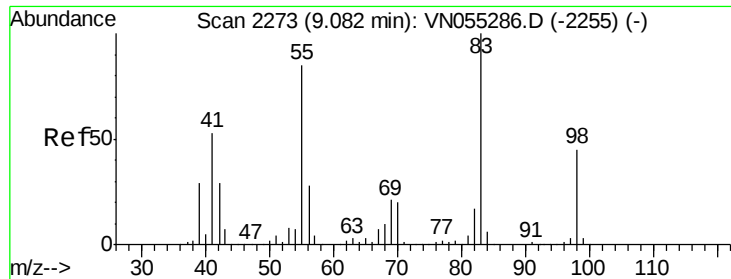
Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.6

121 30.0 23.8 35.8

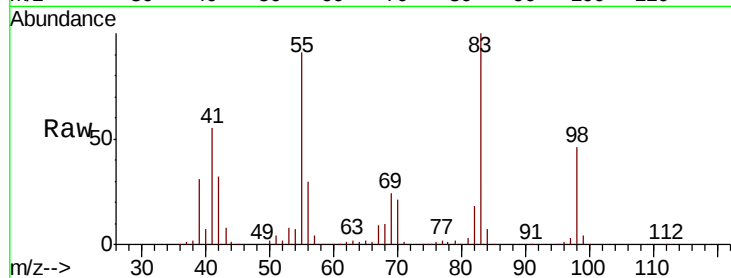




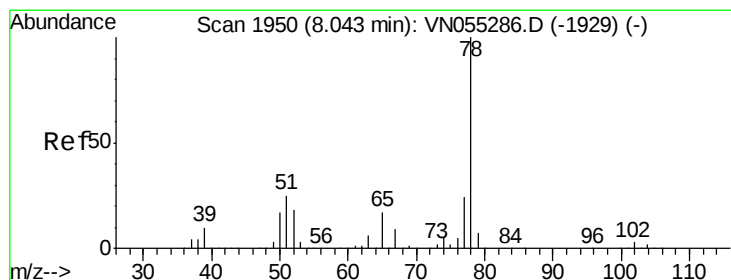
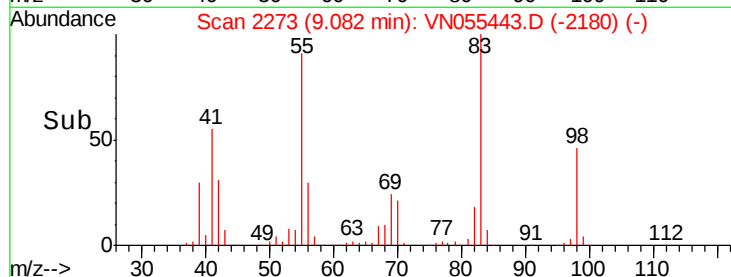
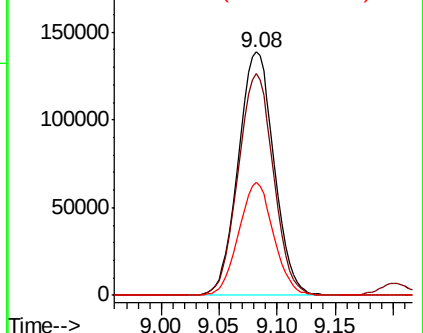
#39
Methvlcvclohexane
Concen: 50.183 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

Tot Ion: 83 Resp: 298300
Ion Ratio Lower Upper
83 100
55 90.9 67.8 101.6
98 46.2 36.2 54.4

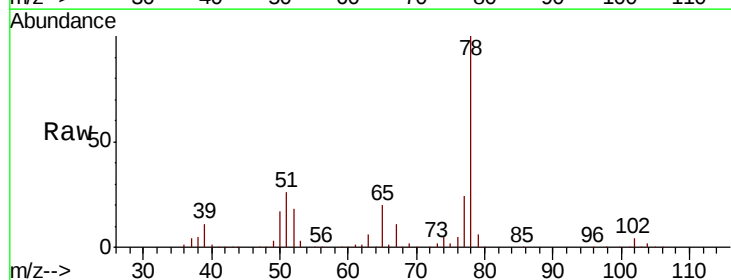


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

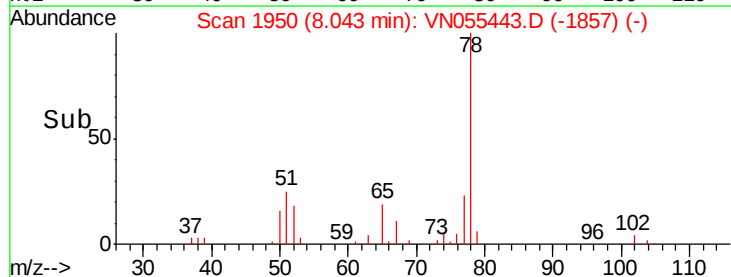
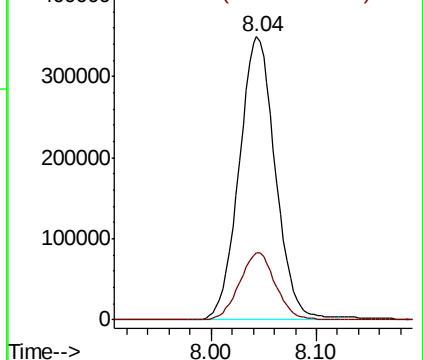


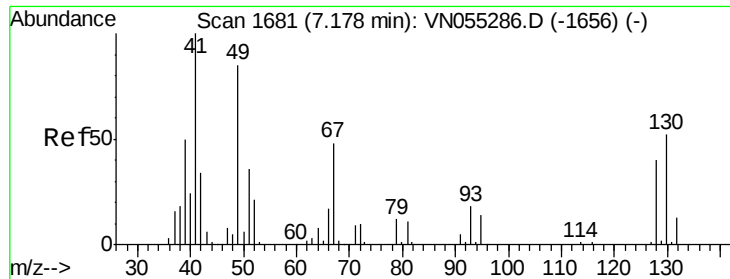
#40
Benzene
Concen: 50.557 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 78 Resp: 833251
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



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

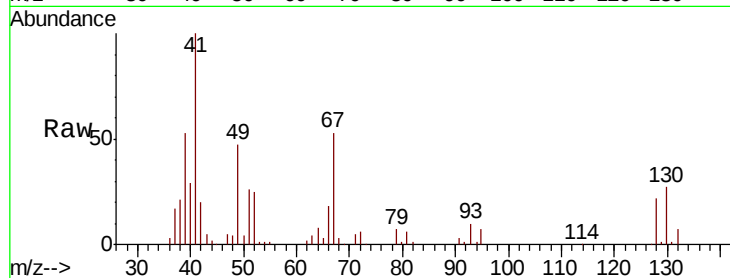




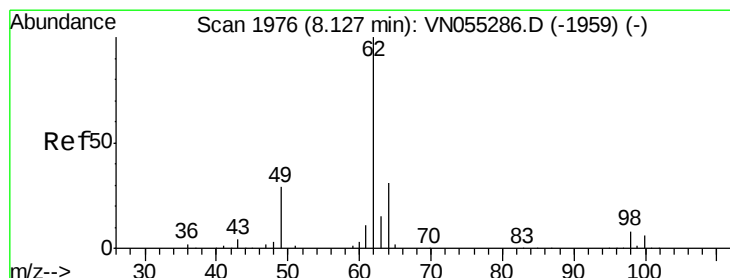
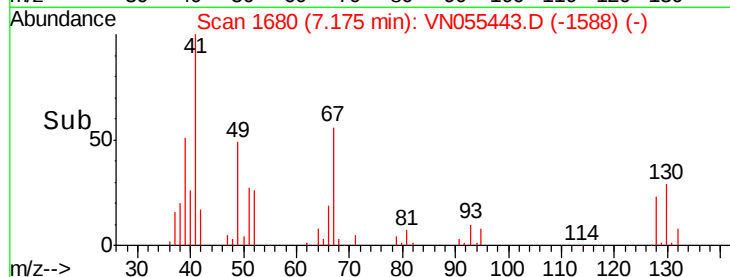
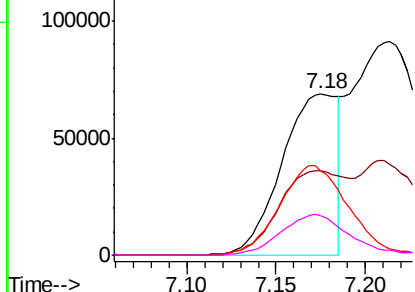
#41
Methacrylonitrile
Concen: 63.737 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-W4-5MSD

Tot Ion:	41	Resp:	148287
Ion	Ratio	Lower	Upper
41	100		
39	63.5	48.5	72.7
67	69.5	54.9	82.3
52	31.9	24.9	37.3

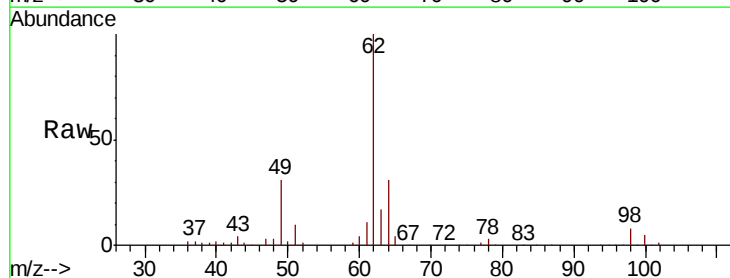


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

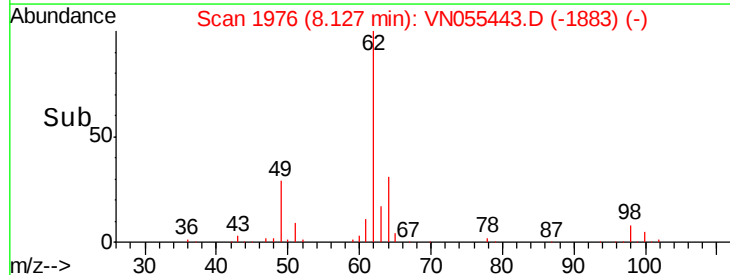
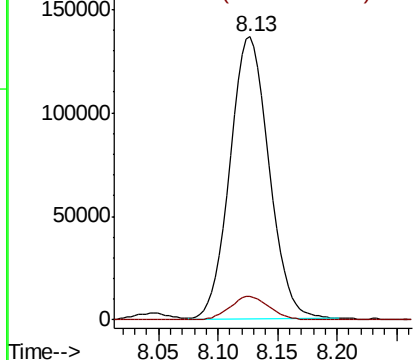


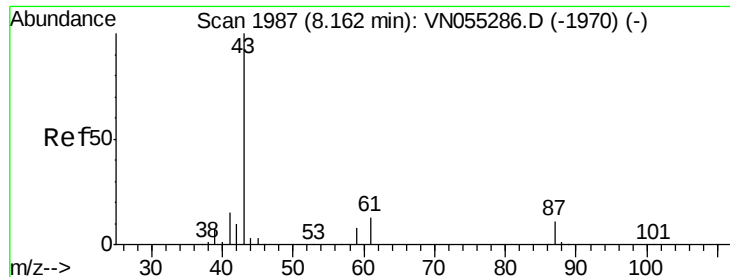
#42
1,2-Dichloroethane
Concen: 53.137 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion:	62	Resp:	310183
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 65.974 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

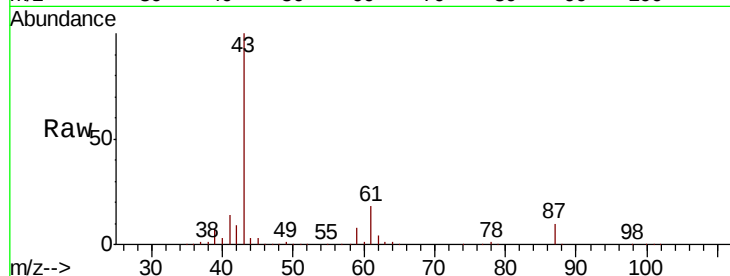
Tot Ion: 43 Resp: 454301

Ion Ratio Lower Upper

43 100

61 24.6 20.8 31.2

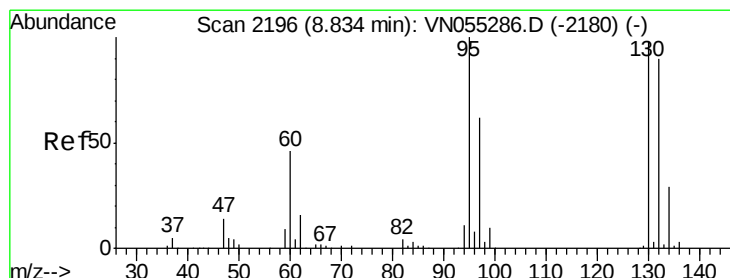
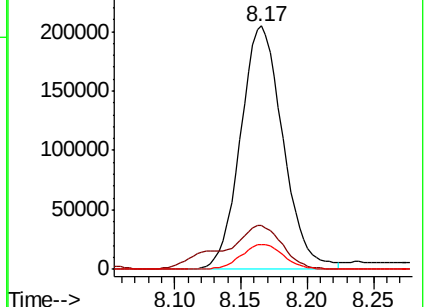
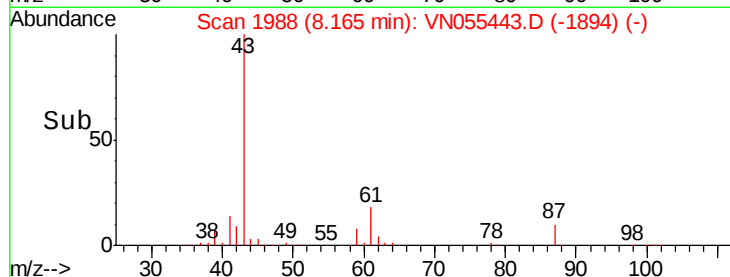
87 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#44

Trichloroethene

Concen: 50.089 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055443.D

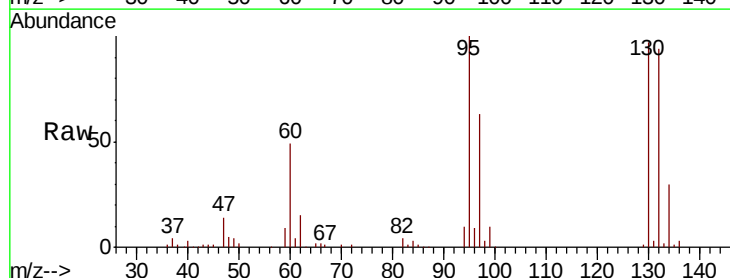
Acq: 7 May 2019 17:35

Tgt Ion: 130 Resp: 210454

Ion Ratio Lower Upper

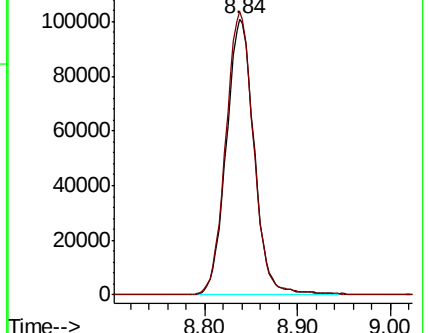
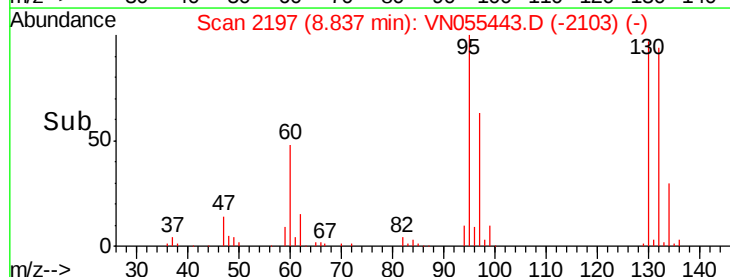
130 100

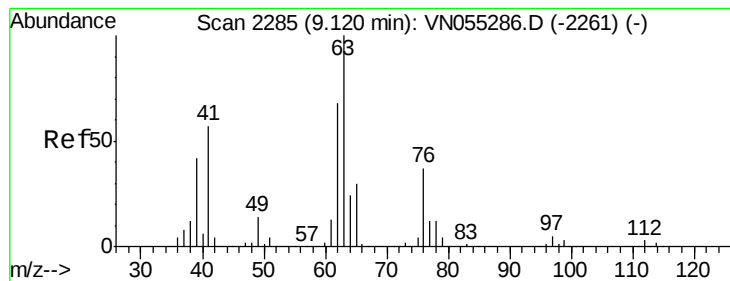
95 102.6 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 53.084 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

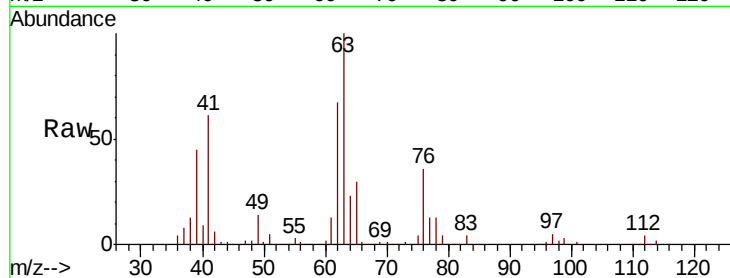
EP1-PZ-W4-5MSD

Tot Ion: 63 Resp: 252338

Ion Ratio Lower Upper

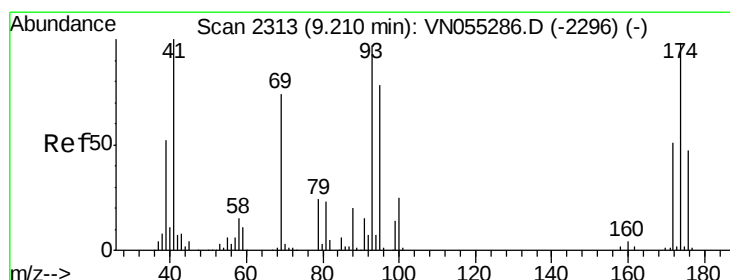
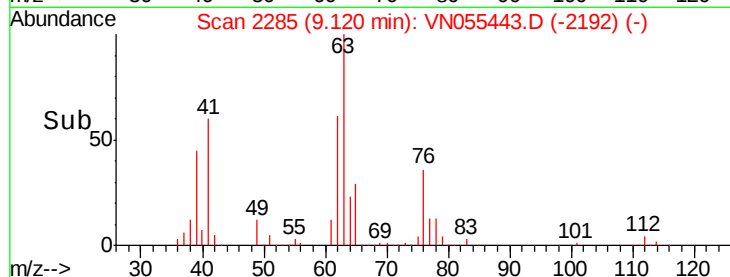
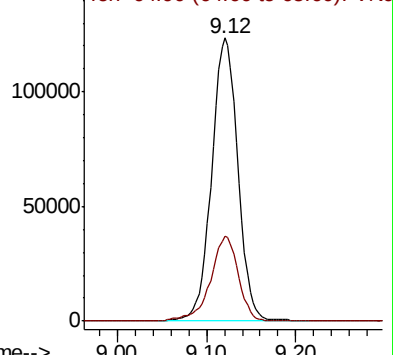
63 100

65 29.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 54.413 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

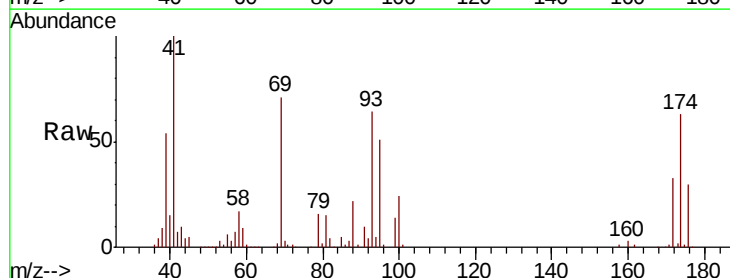
Tgt Ion: 93 Resp: 141382

Ion Ratio Lower Upper

93 100

95 81.3 65.7 98.5

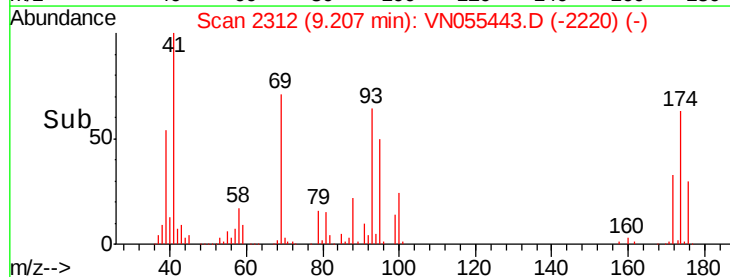
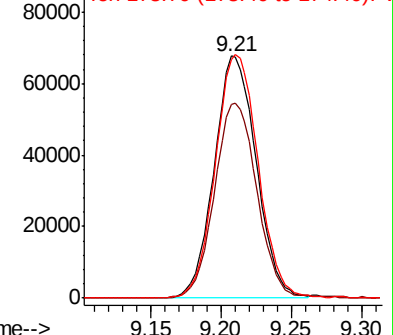
174 102.3 81.5 122.3



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: 53.680 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

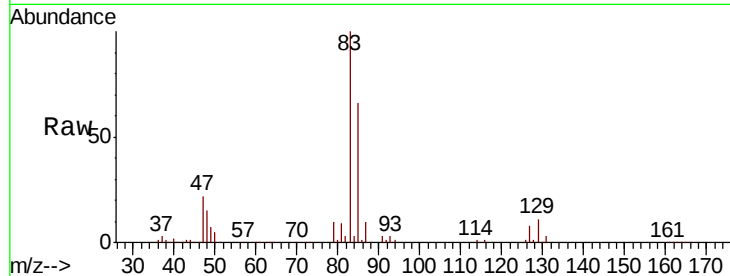
Tot Ion: 83 Resp: 299219

Ion Ratio Lower Upper

83 100

85 65.9 50.1 75.1

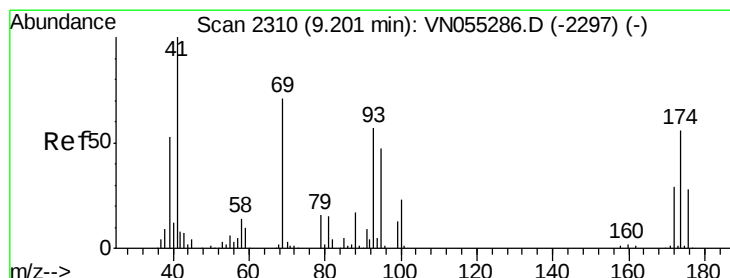
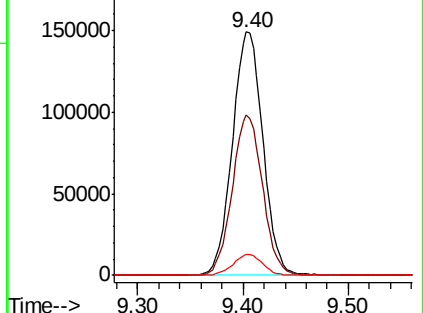
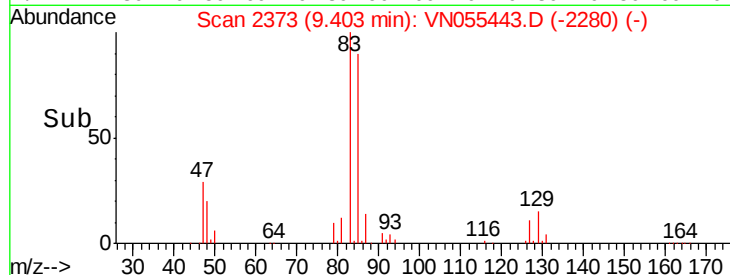
127 8.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055443.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055443.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055443.D (-2280) (-)



#48

Methyl methacrylate

Concen: 65.793 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

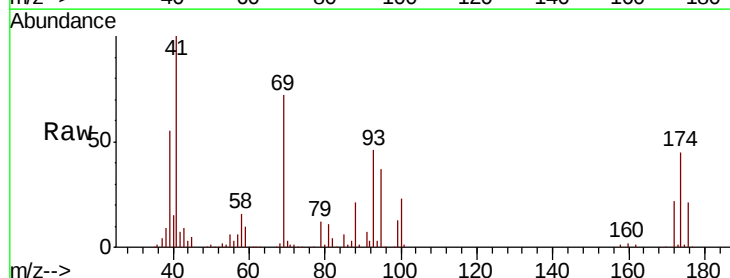
Tgt Ion: 41 Resp: 222723

Ion Ratio Lower Upper

41 100

69 74.9 58.6 87.8

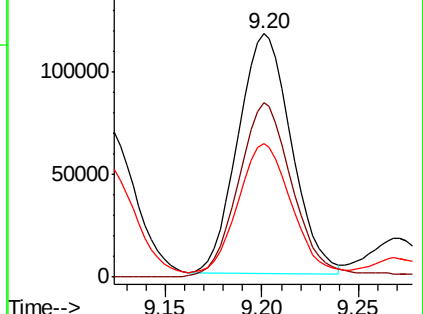
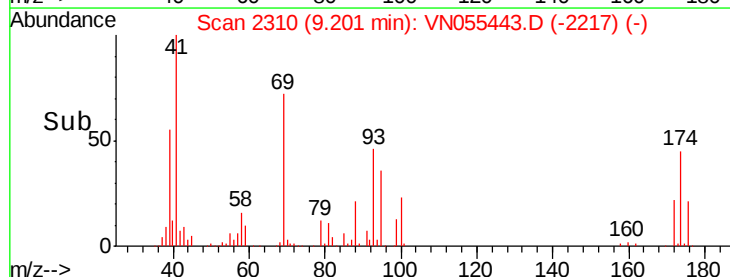
39 56.5 43.8 65.6

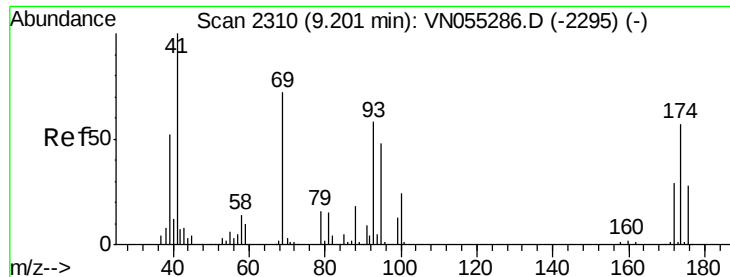


Abundance Ion 41.00 (40.70 to 41.70): VN055443.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055443.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055443.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1569.259 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

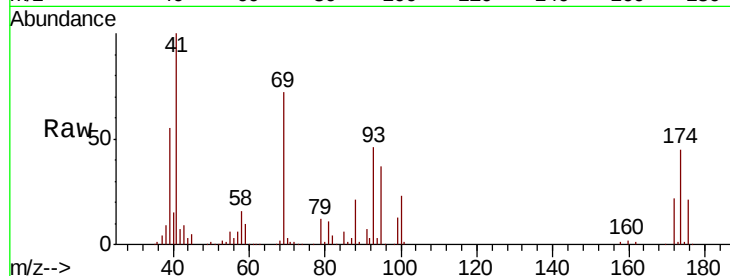
Tot Ion: 88 Resp: 54915

Ion Ratio Lower Upper

88 100

43 39.7 33.3 49.9

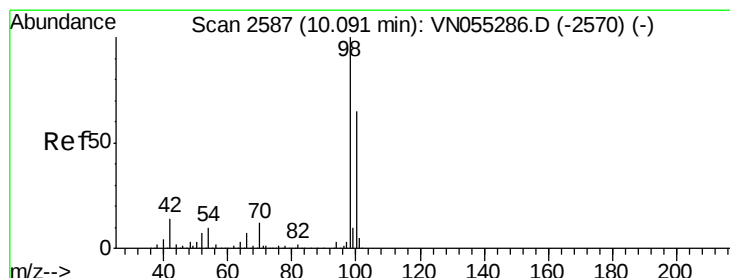
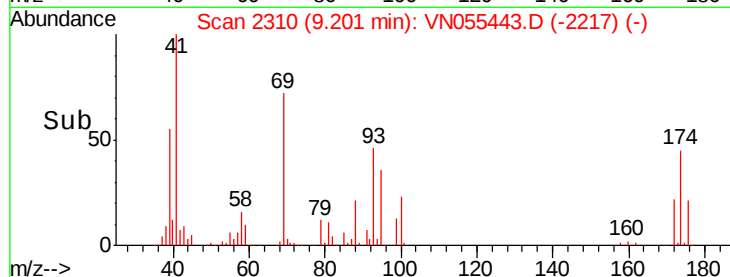
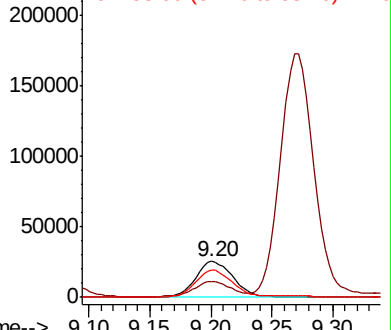
58 74.7 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055286.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055286.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2295) (-)



#50

Toluene-d8

Concen: 50.507 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055443.D

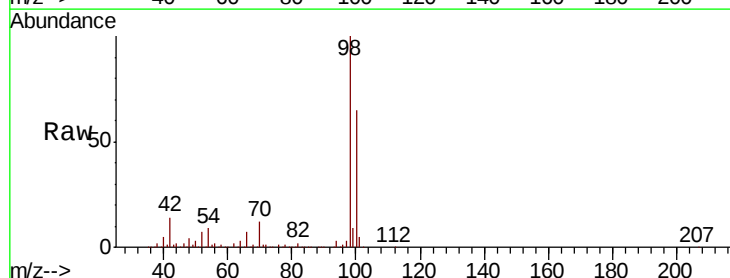
Acq: 7 May 2019 17:35

Tgt Ion: 98 Resp: 698702

Ion Ratio Lower Upper

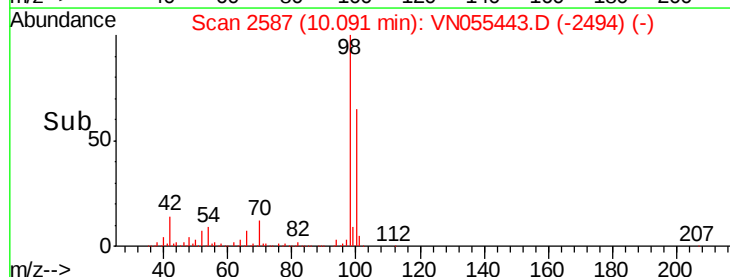
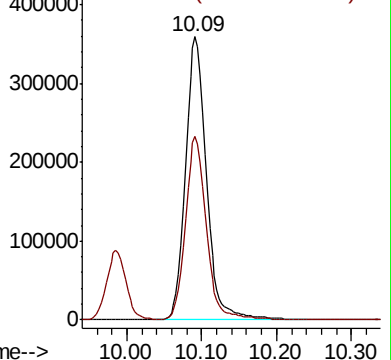
98 100

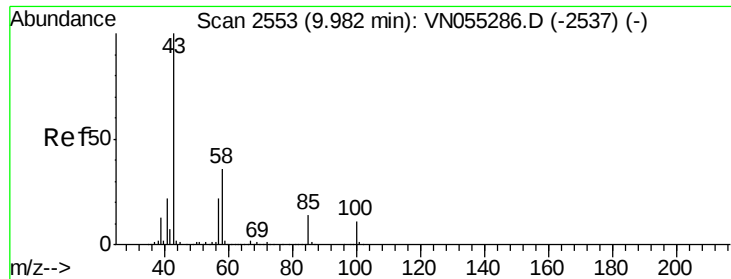
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 364.775 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

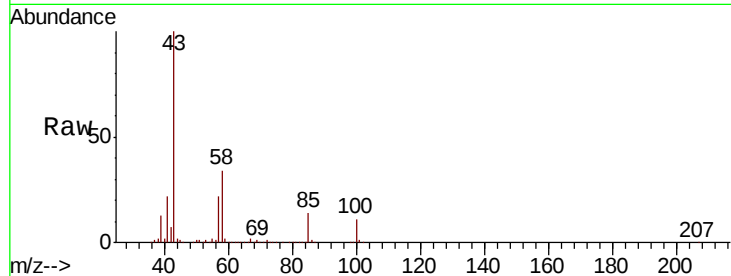
EP1-PZ-W4-5MSD

Tot Ion: 43 Resp: 1414227

Ion Ratio Lower Upper

43 100

58 34.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

800000

600000

400000

200000

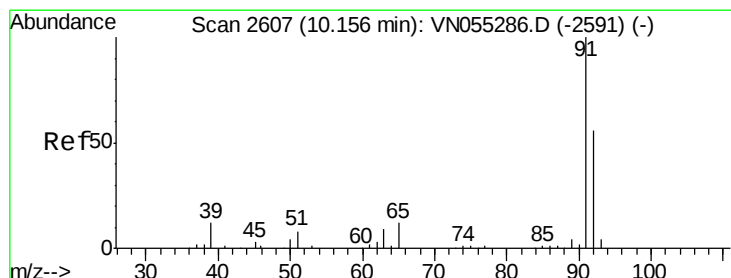
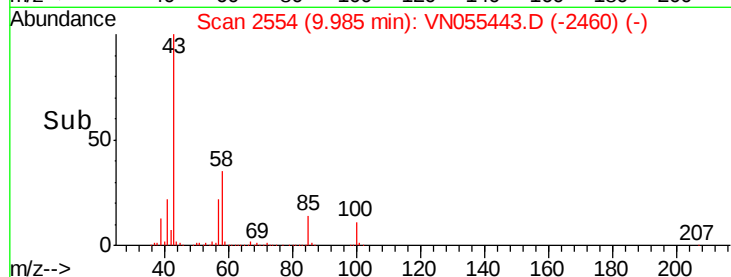
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 52.194 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055443.D

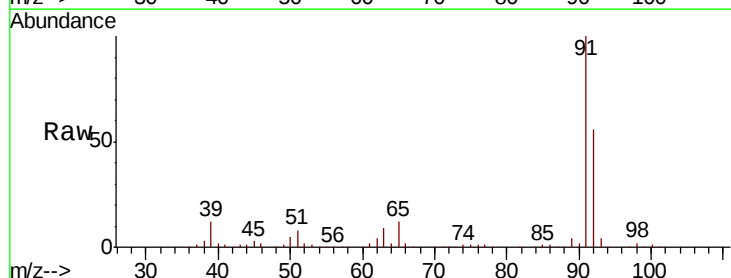
Acq: 7 May 2019 17:35

Tgt Ion: 92 Resp: 493577

Ion Ratio Lower Upper

92 100

91 176.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

10.16

500000

400000

300000

200000

100000

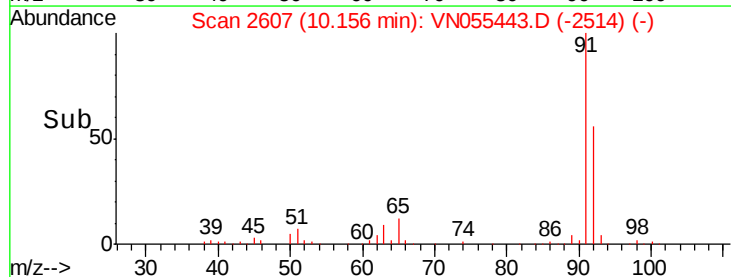
0

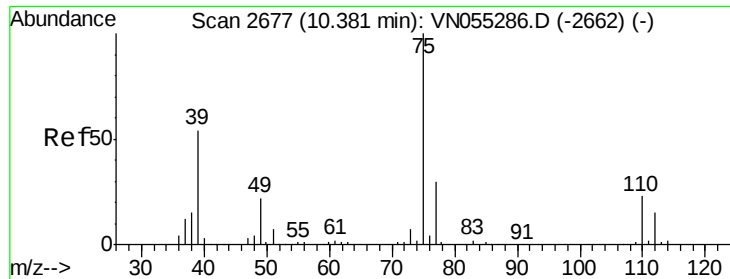
Time-->

10.10

10.20

10.30





#53

t-1,3-Dichloropropene

Concen: 60.811 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

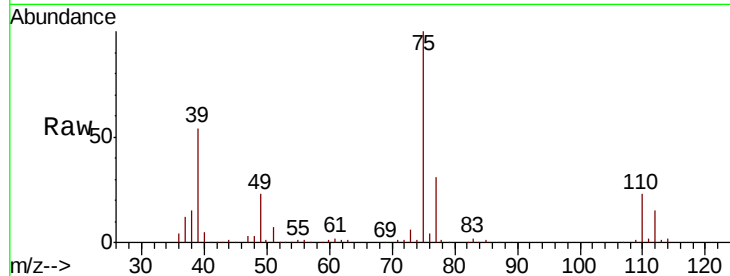
EP1-PZ-W4-5MSD

Tot Ion: 75 Resp: 294259

Ion Ratio Lower Upper

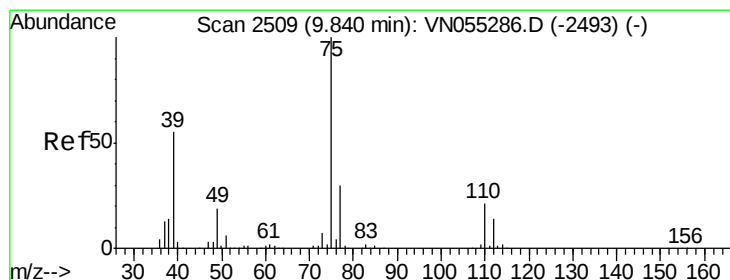
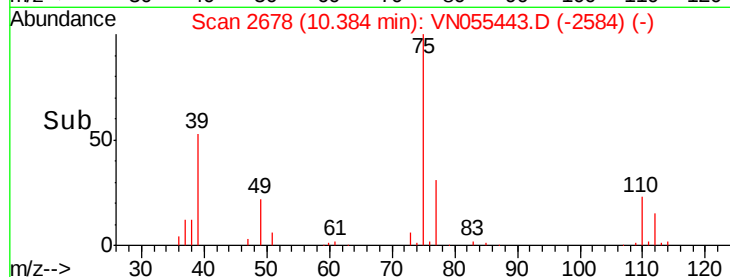
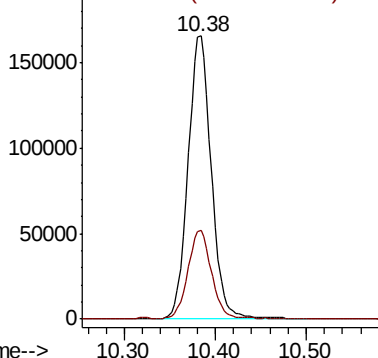
75 100

77 31.0 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 56.176 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

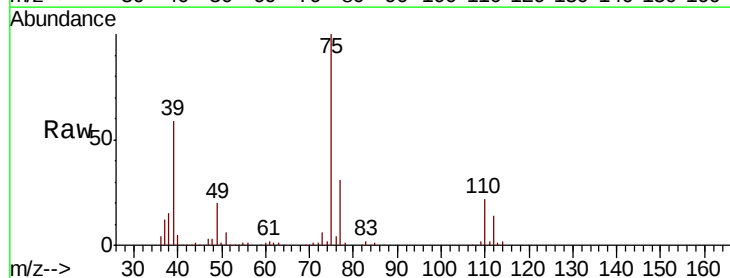
Tgt Ion: 75 Resp: 338919

Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.2

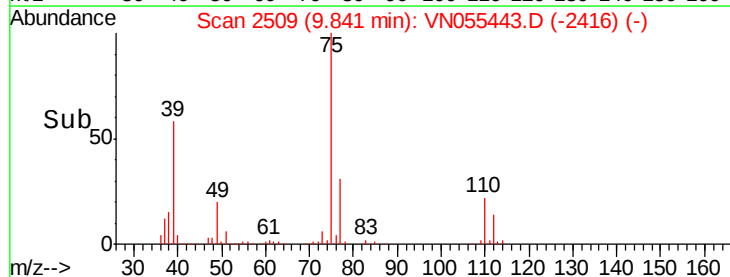
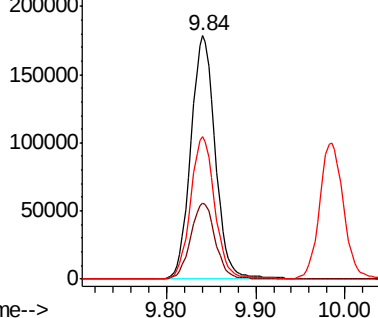
39 58.4 44.2 66.2

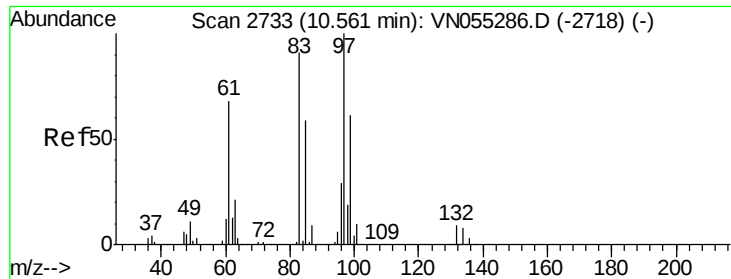


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

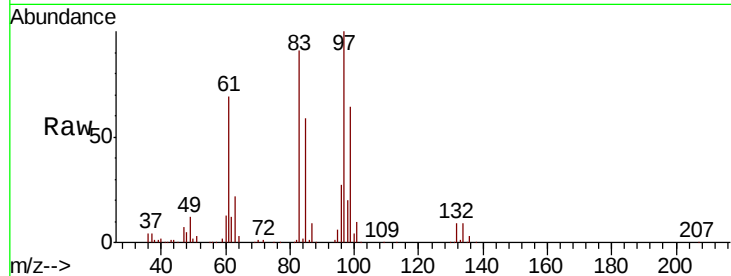




#55
 1,1,2-Trichloroethane
 Concen: 57.302 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

Tot Ion	97	Resp	201222
Ion	Ratio	Lower	Upper
97	100		
83	91.4	72.8	109.2
85	59.0	47.0	70.6
99	63.9	49.0	73.4



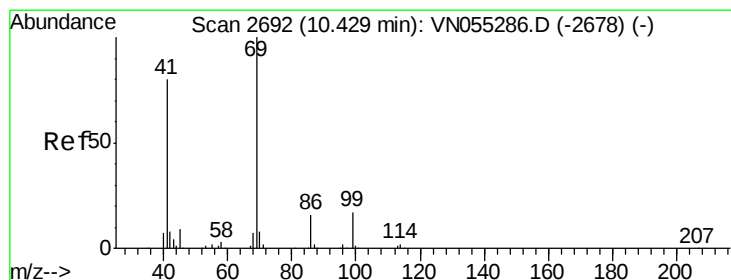
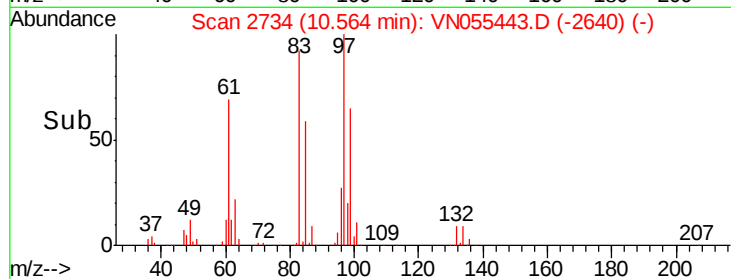
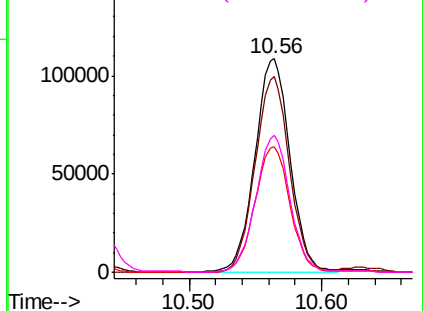
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

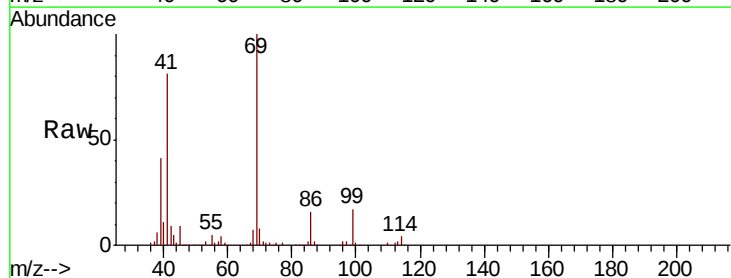
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 68.601 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion	69	Resp	296512
Ion	Ratio	Lower	Upper
69	100		
41	78.3	62.7	94.1
39	40.6	32.0	48.0

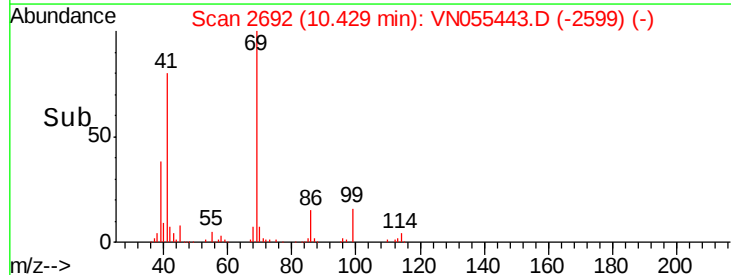
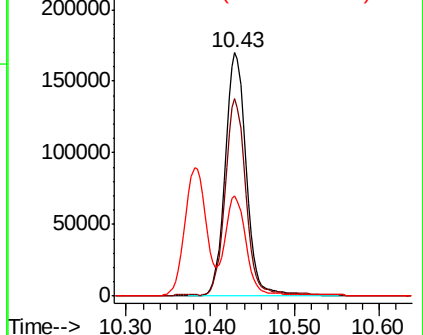


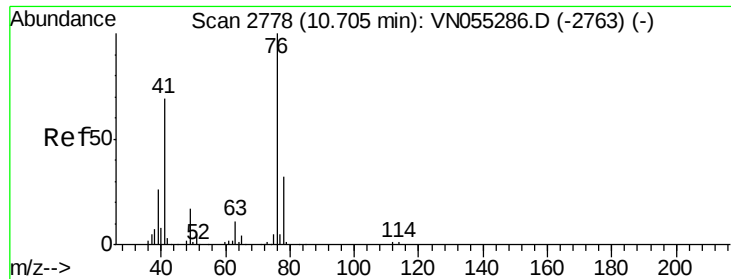
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

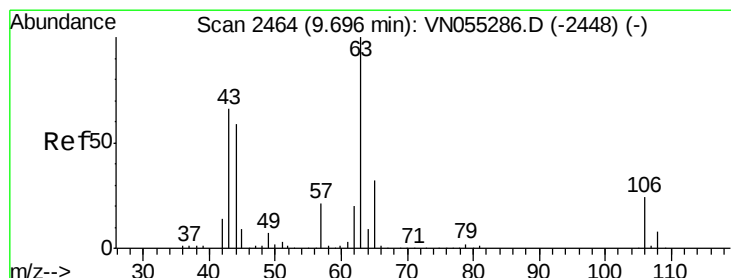
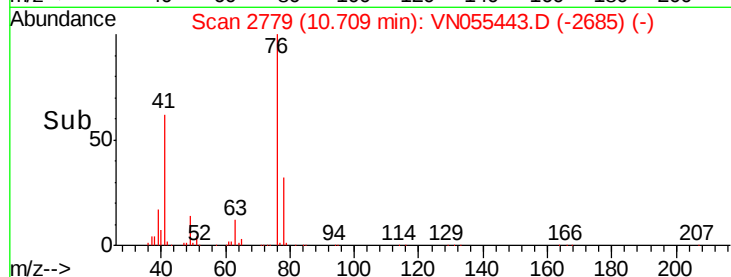
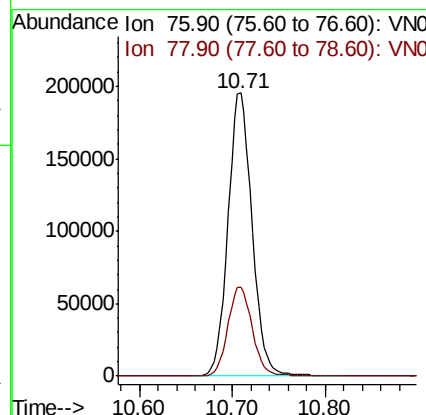
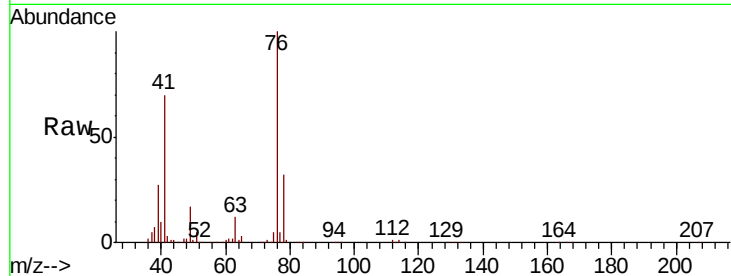




#57
 1,3-Dichloropropane
 Concen: 57.112 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

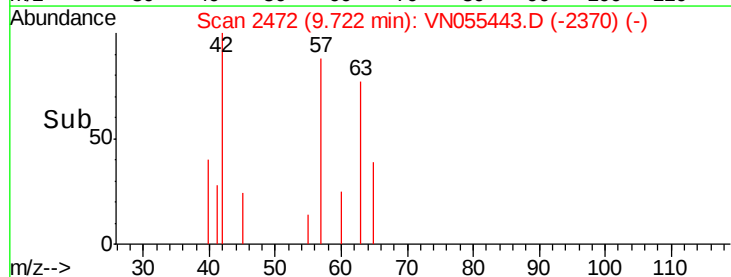
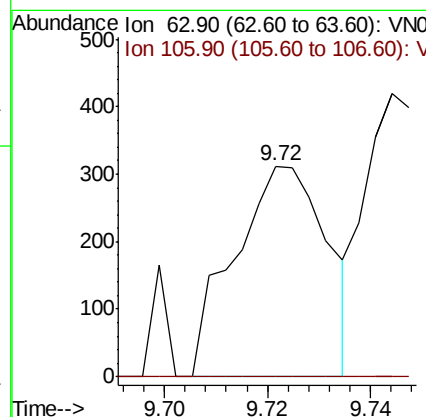
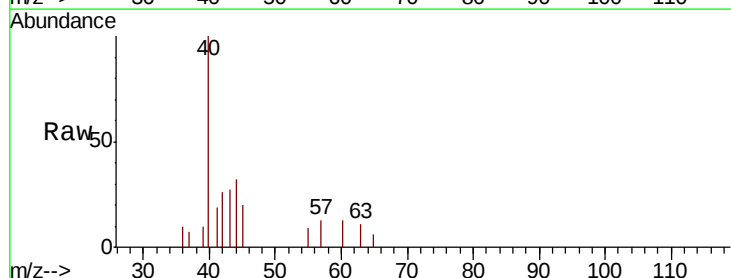
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

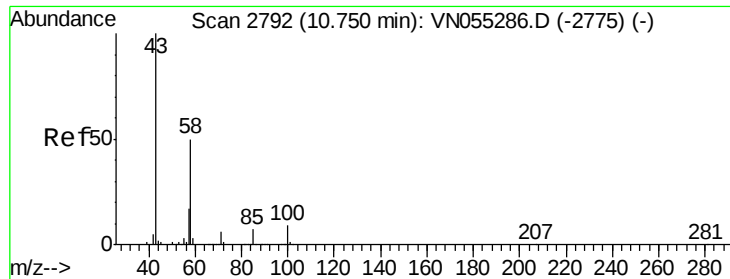
Tot Ion: 76 Resp: 351831
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.681 ug/l
 RT: 9.72 min Scan# 2472
 Delta R.T. 0.03 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 63 Resp: 389
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#

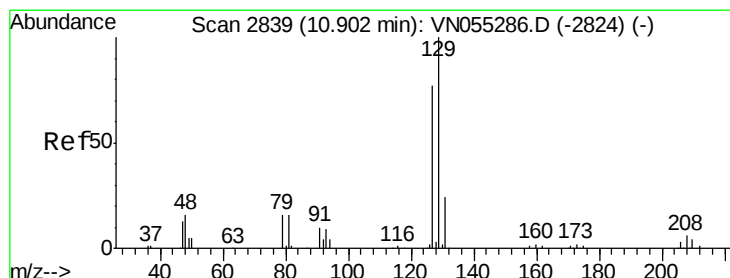
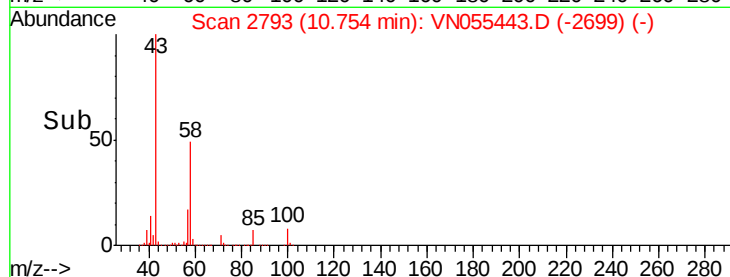
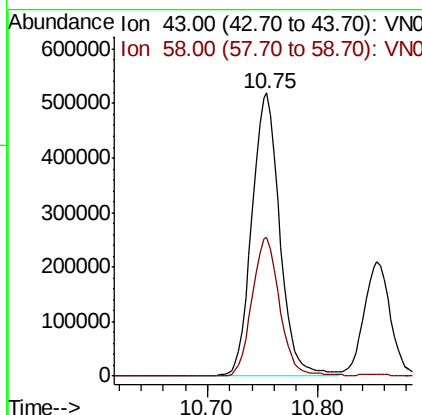
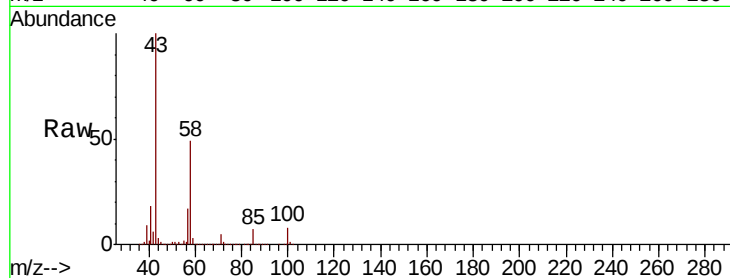




#59
2-Hexanone
Concen: 375.207 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

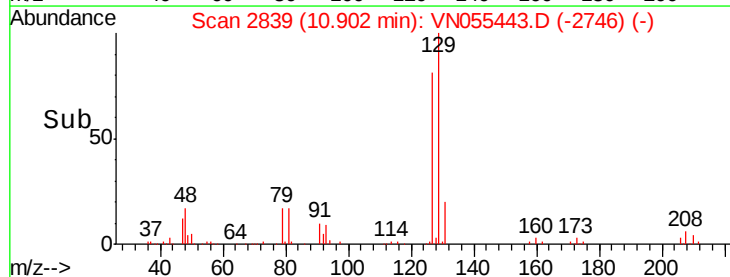
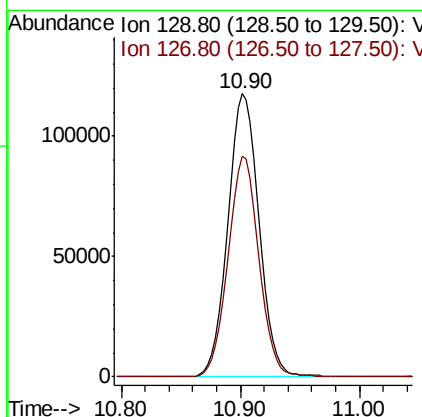
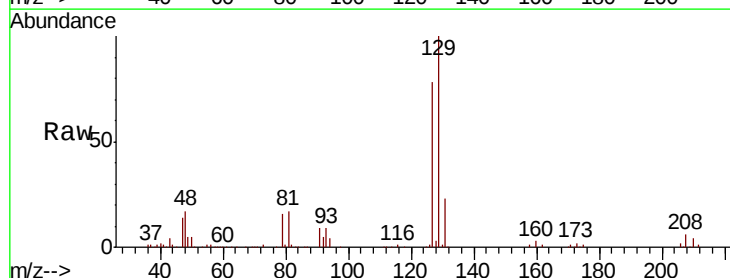
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

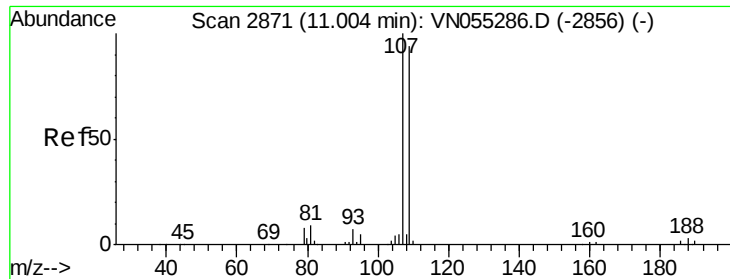
Tot Ion: 43 Resp: 910167
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 59.487 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 129 Resp: 213500
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5

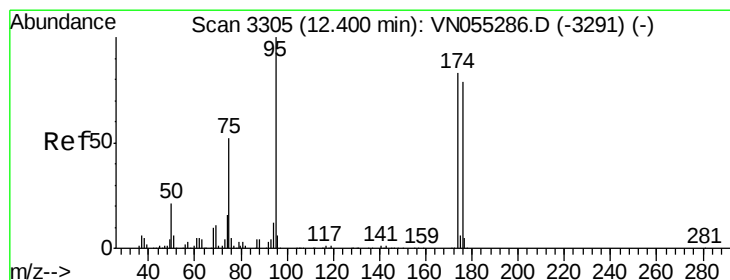
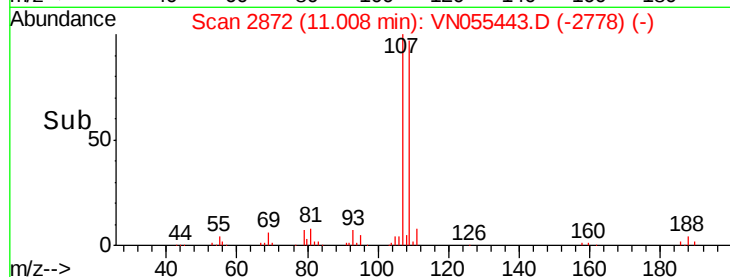
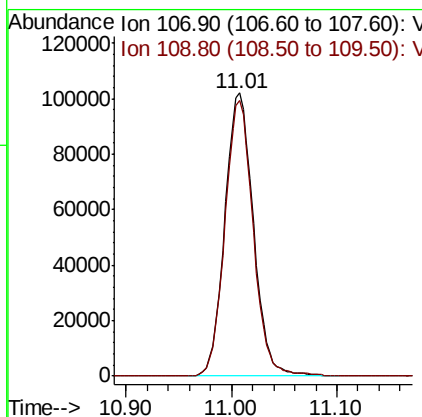
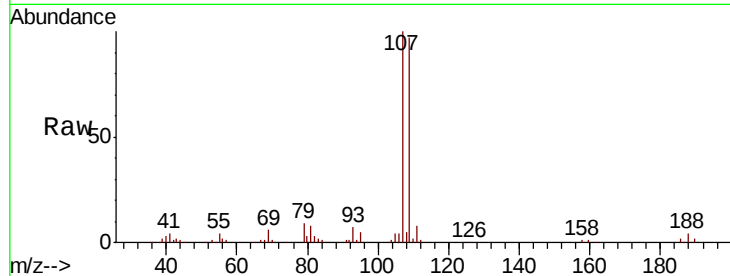




#61
 1,2-Dibromoethane
 Concen: 58.830 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

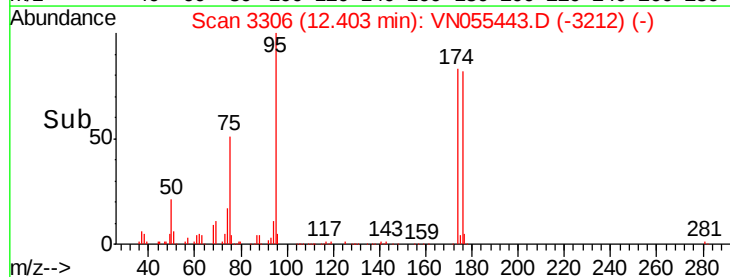
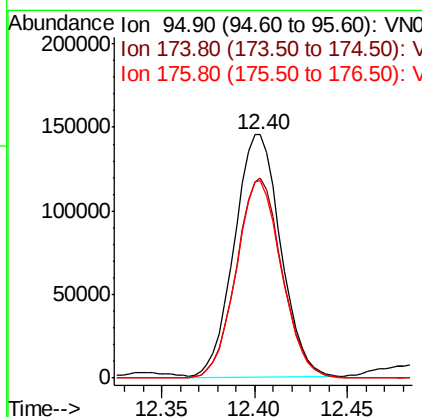
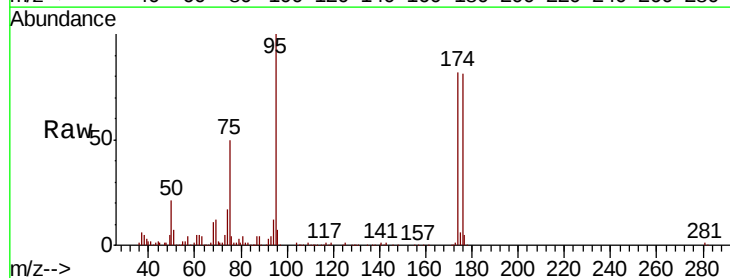
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

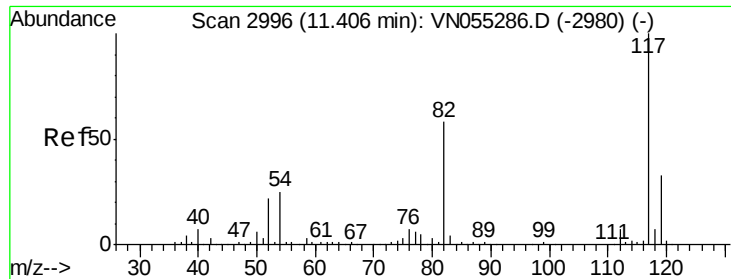
Tot Ion: 107 Resp: 190947
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 58.272 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion: 95 Resp: 251945
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 166.6
 176 79.8 0.0 157.8

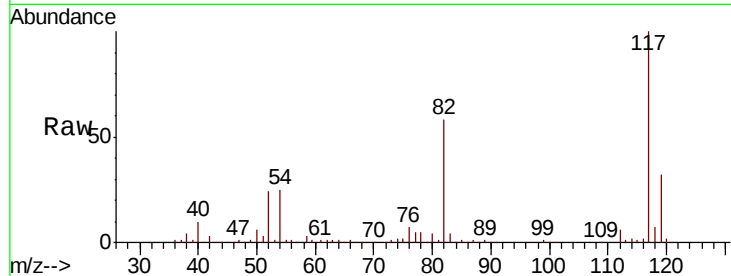




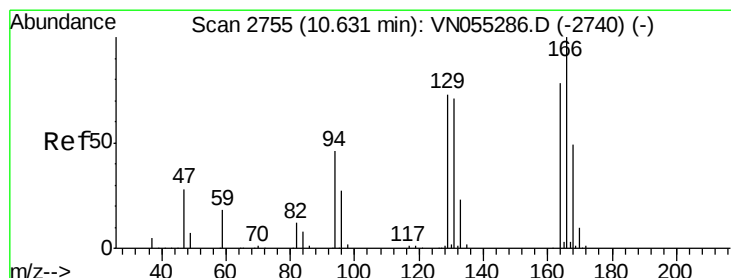
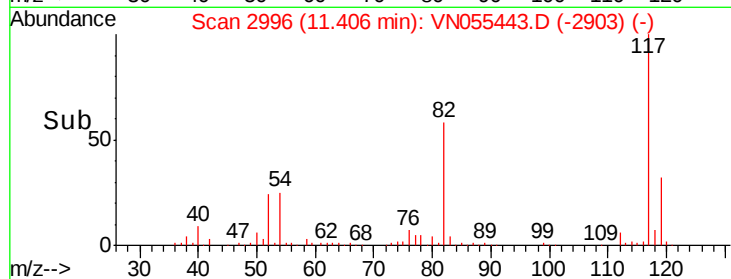
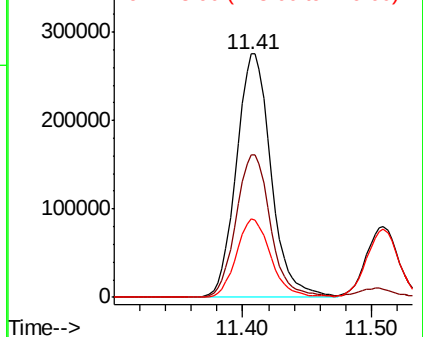
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

Tot Ion:117 Resp: 515296
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 32.1 26.6 40.0

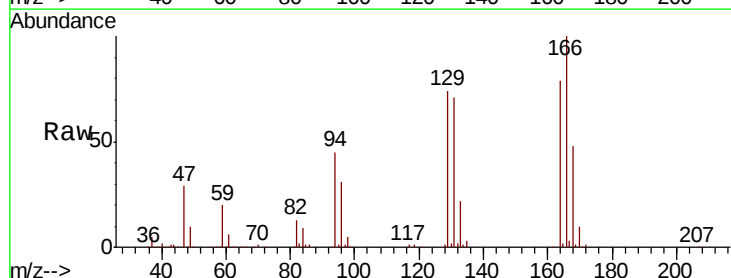


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

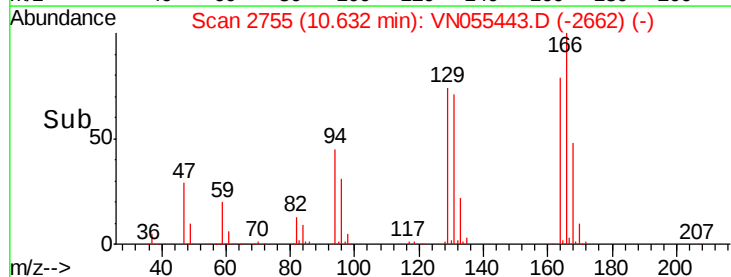
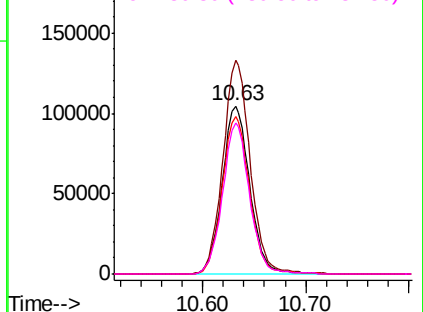


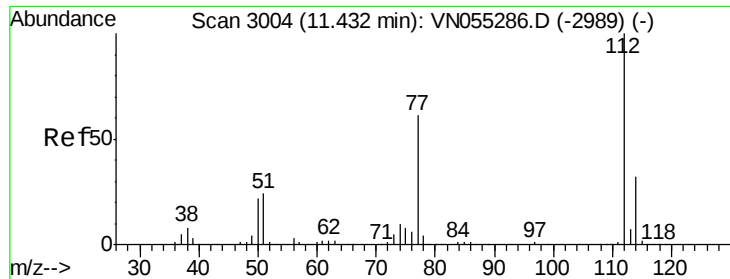
#64
Tetrachloroethene
Concen: 46.091 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion:164 Resp: 194225
Ion Ratio Lower Upper
164 100
166 127.0 102.3 153.5
129 94.0 75.0 112.6
131 90.2 72.7 109.1



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

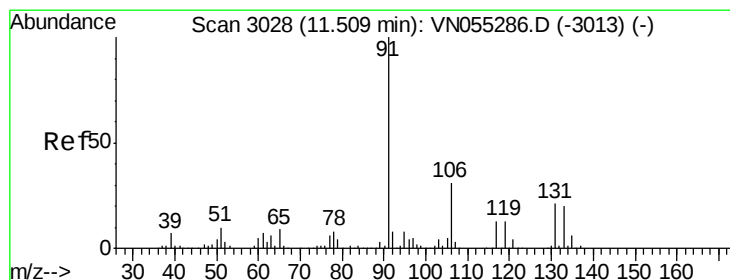
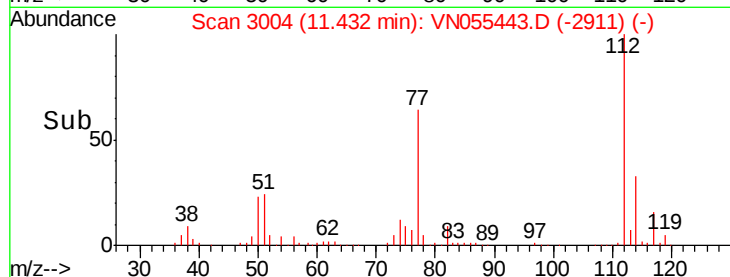
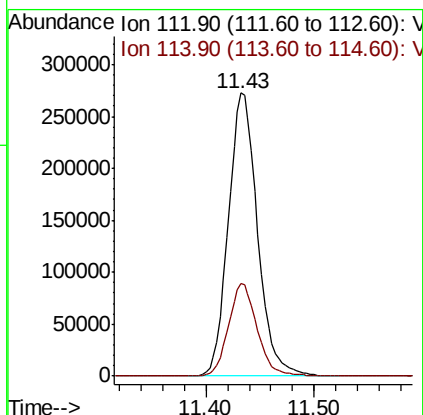
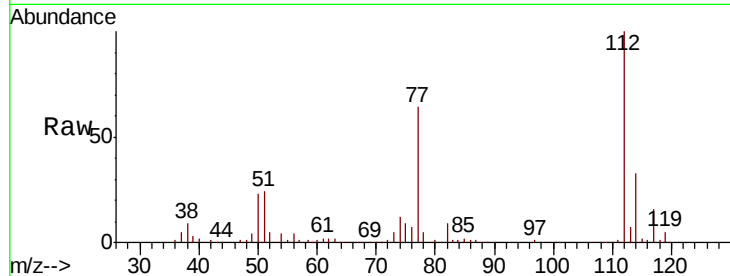




#65
Chlorobenzene
Concen: 50.992 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

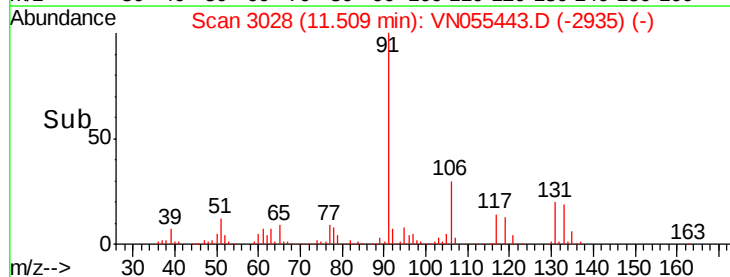
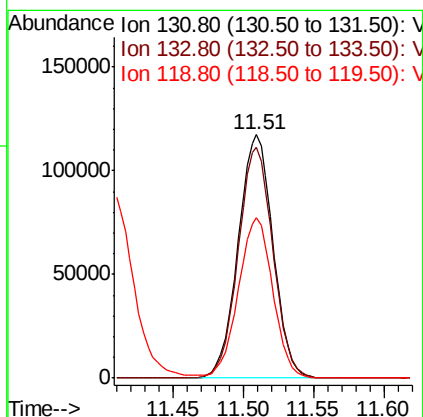
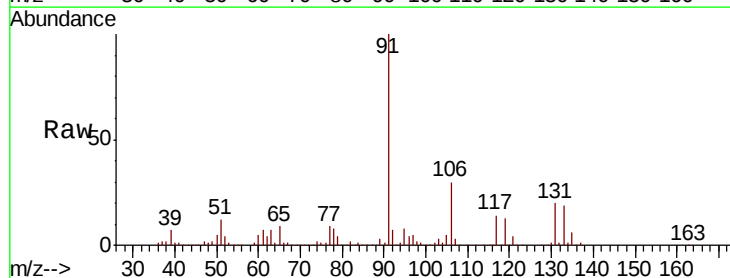
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

Tot Ion:112 Resp: 513728
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.490 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion:131 Resp: 203124
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.6
119 65.2 32.7 98.1

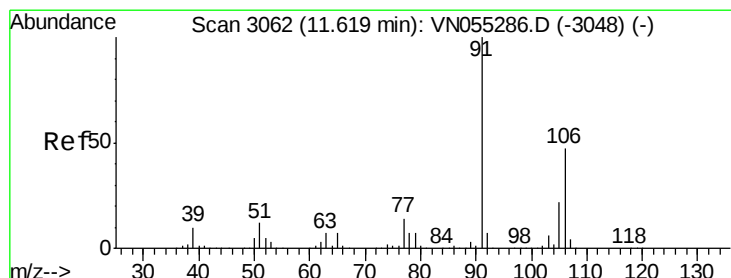
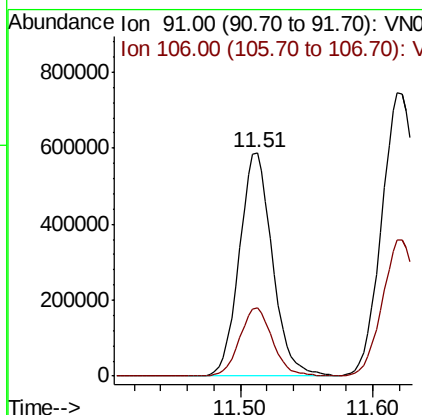
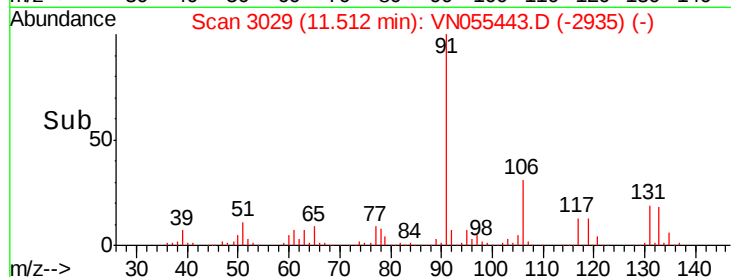
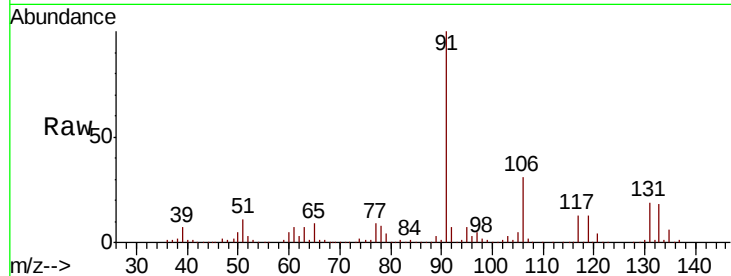




#67
Ethyl Benzene
Concen: 55.838 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

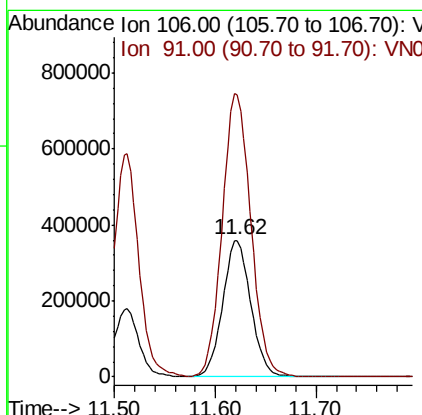
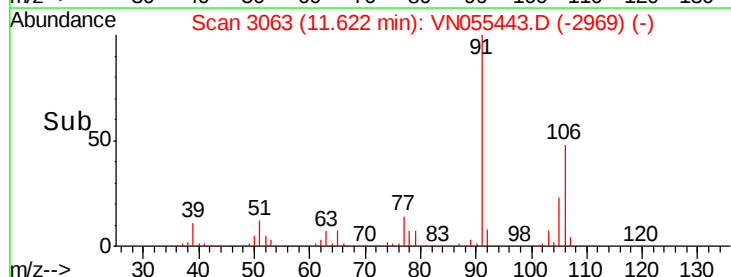
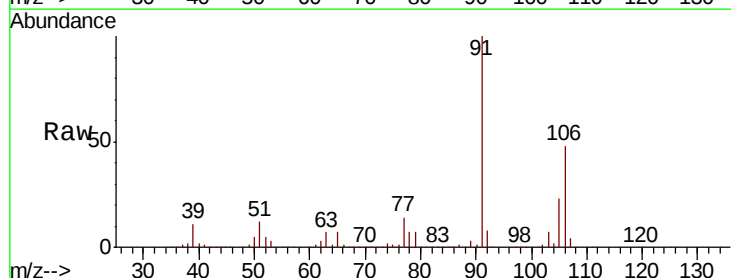
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

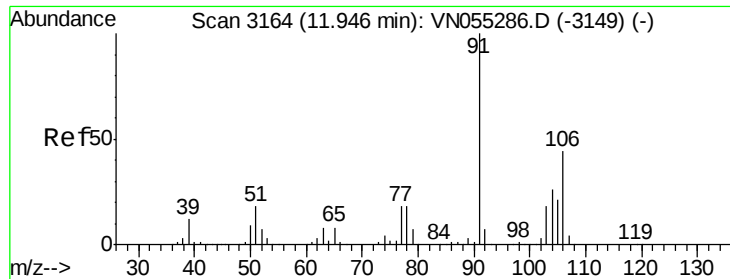
Tot Ion: 91 Resp: 1015852
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 107.553 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 106 Resp: 698433
Ion Ratio Lower Upper
106 100
91 211.7 169.5 254.3

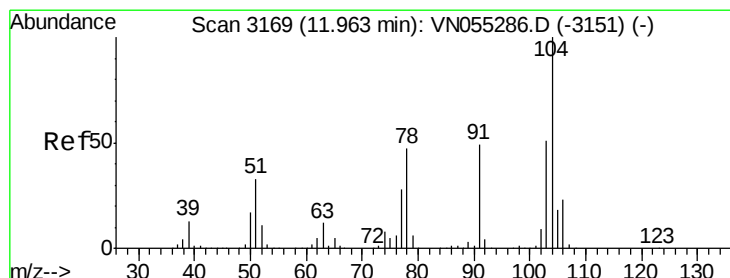
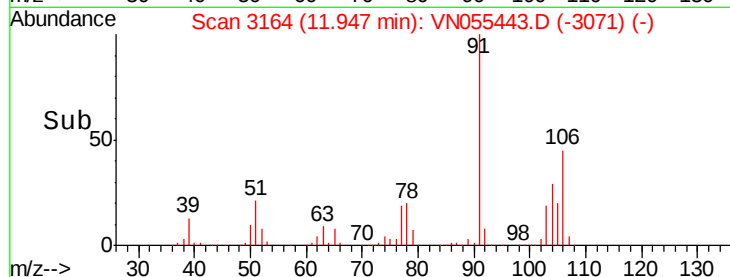
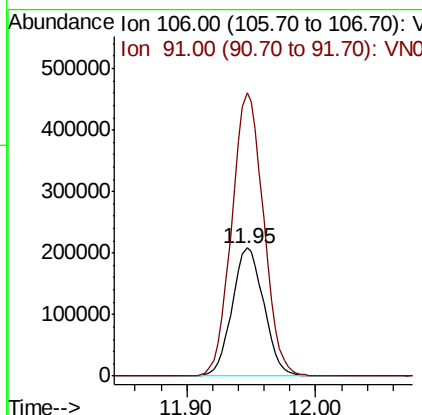
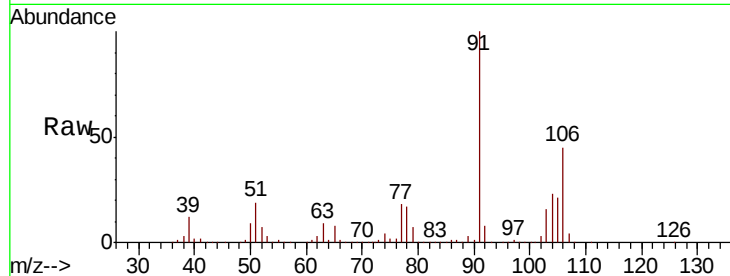




#69
o-Xylene
Concen: 55.453 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

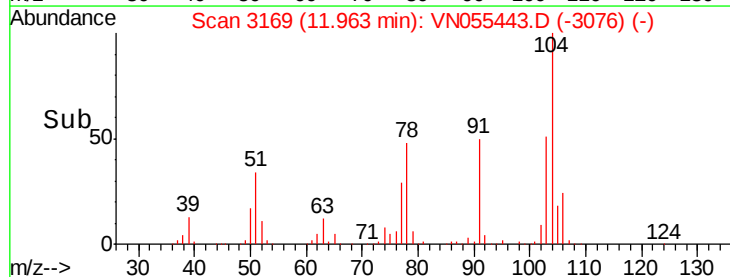
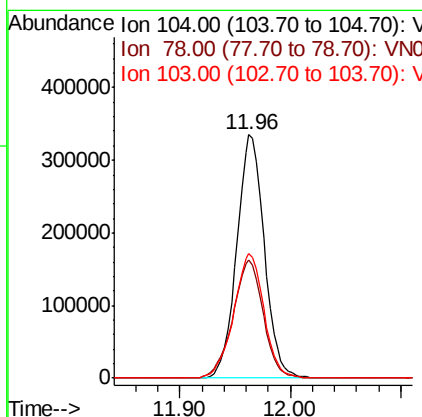
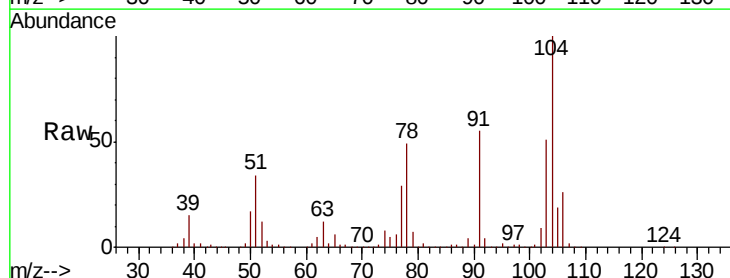
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

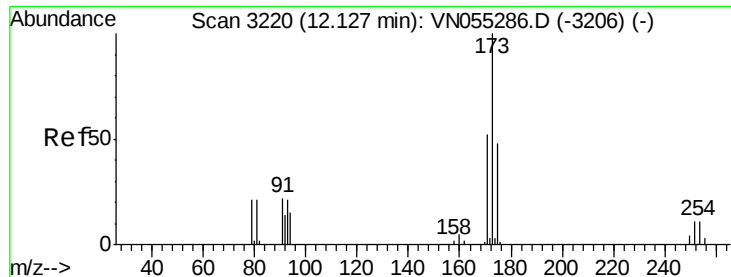
Tot Ion:106 Resp: 356921
Ion Ratio Lower Upper
106 100
91 221.2 111.5 334.5



#70
Styrene
Concen: 58.675 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion:104 Resp: 579863
Ion Ratio Lower Upper
104 100
78 53.2 42.2 63.2
103 56.0 44.6 67.0





#71

Bromoform

Concen: 63.116 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

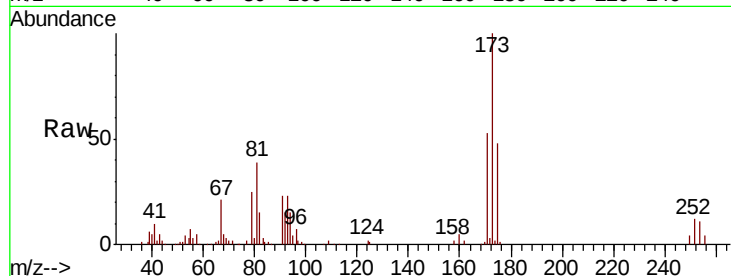
Tot Ion:173 Resp: 138161

Ion Ratio Lower Upper

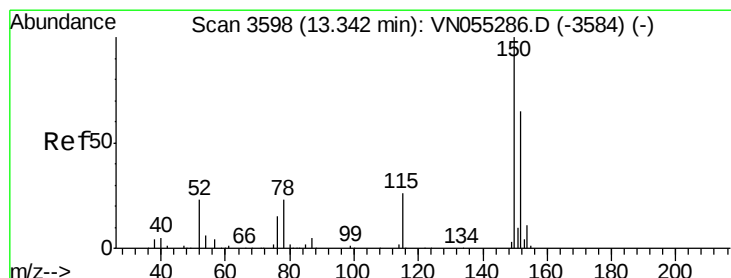
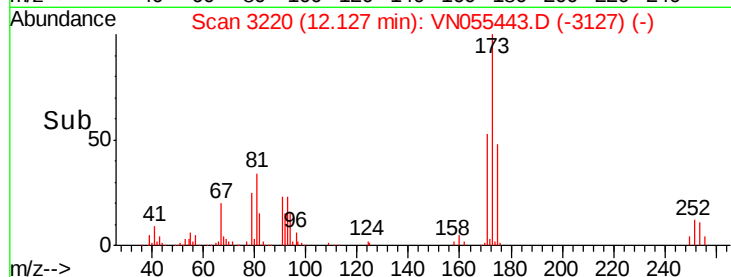
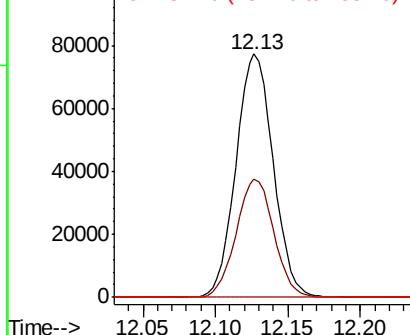
173 100

175 49.1 23.6 71.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

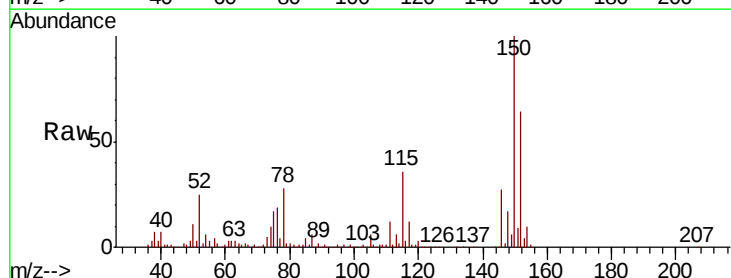
Tgt Ion:152 Resp: 228131

Ion Ratio Lower Upper

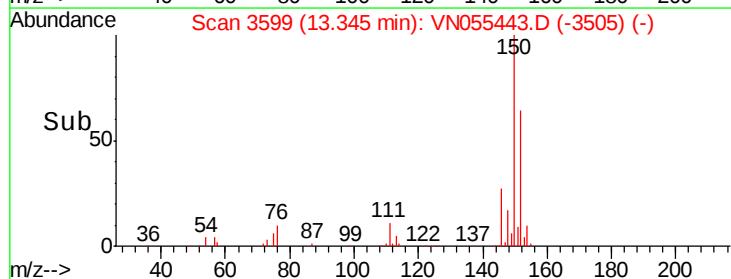
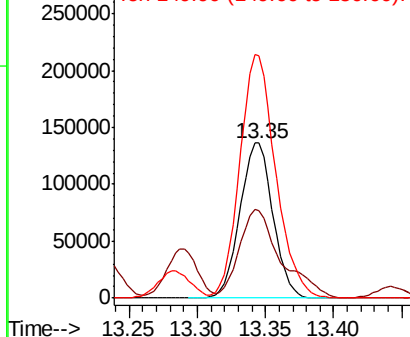
152 100

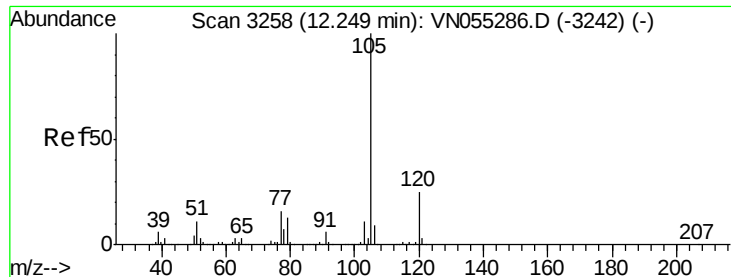
115 71.4 29.0 87.0

150 171.0 0.0 345.6



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

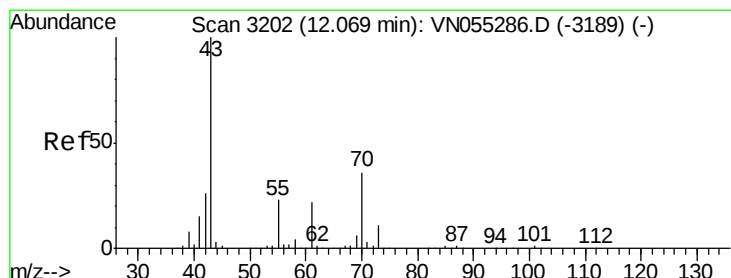
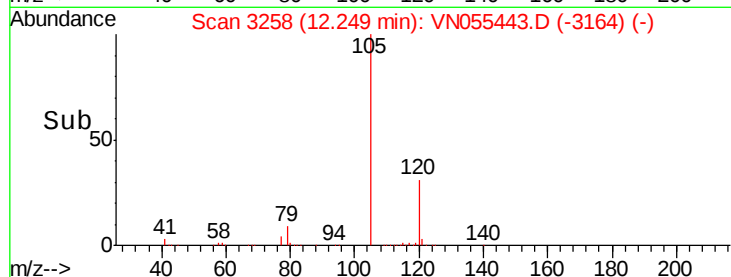
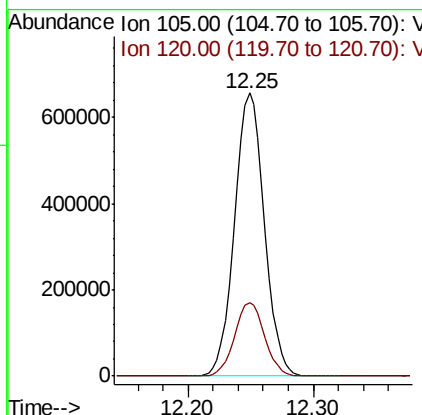
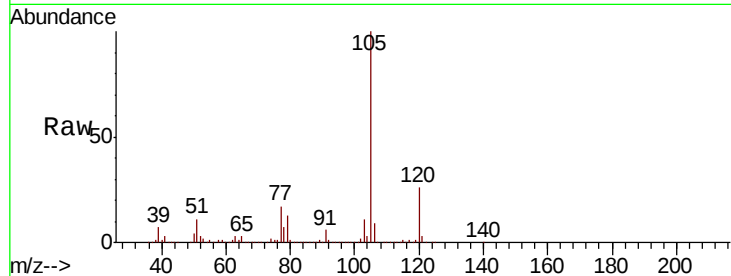




#73
Isopropylbenzene
Concen: 60.234 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

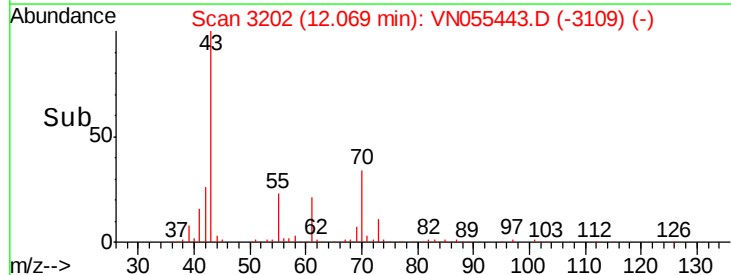
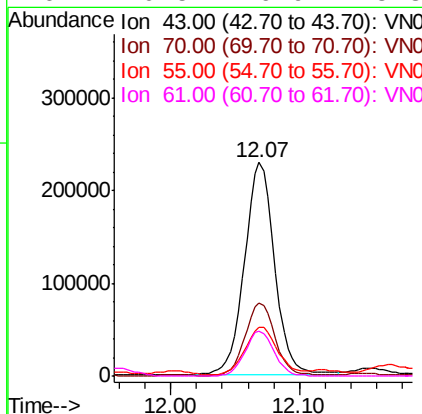
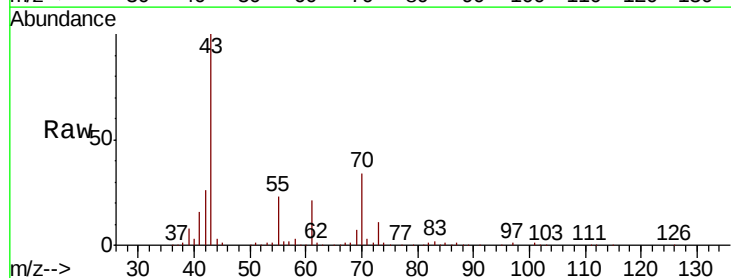
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

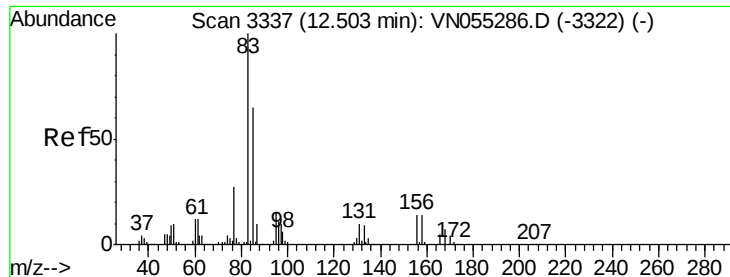
Tot Ion:105 Resp: 1081642
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.7



#74
N-ethyl acetate
Concen: 63.907 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 43 Resp: 374155
Ion Ratio Lower Upper
43 100
70 33.7 27.9 41.9
55 23.7 18.2 27.2
61 20.5 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 61.029 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

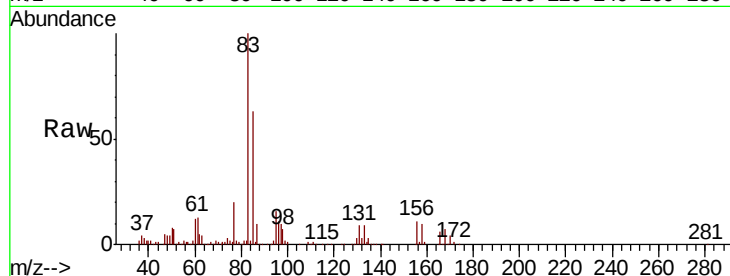
Tot Ion: 83 Resp: 272685

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

85 63.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055286.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055286.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055286.D (-3322) (-)

12.50

150000

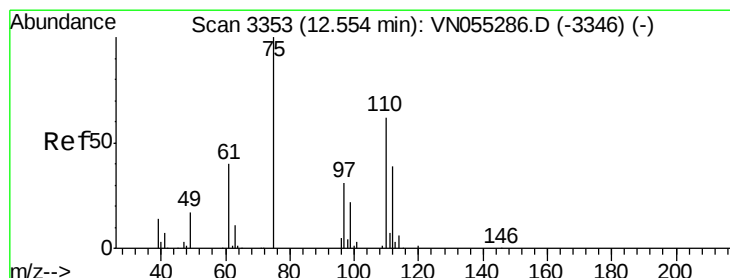
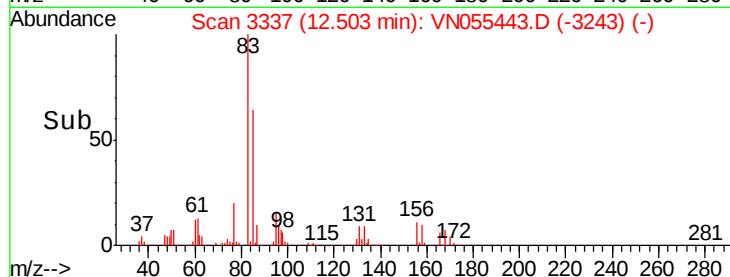
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 77.830 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055443.D

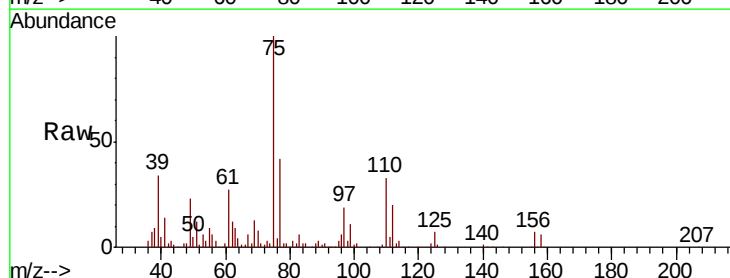
Acq: 7 May 2019 17:35

Tgt Ion: 75 Resp: 324089

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3346) (-)

250000

200000

150000

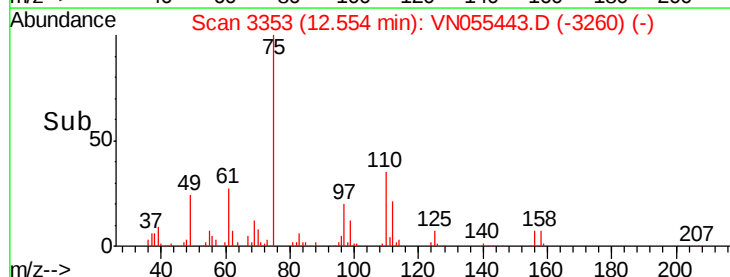
100000

50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 52.121 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

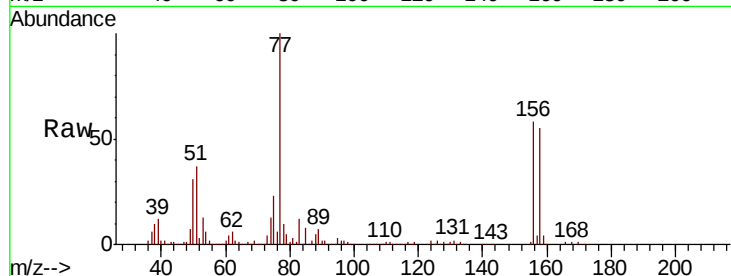
Tot Ion:156 Resp: 226418

Ion Ratio Lower Upper

156 100

77 204.7 99.6 298.8

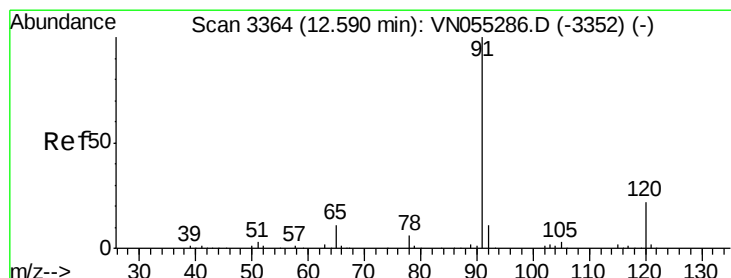
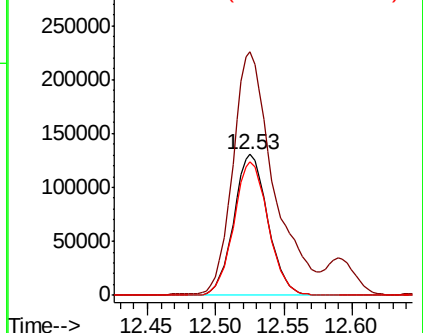
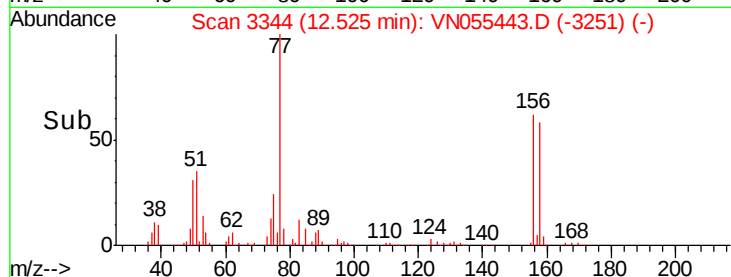
158 95.3 49.3 147.8



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: 56.800 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055443.D

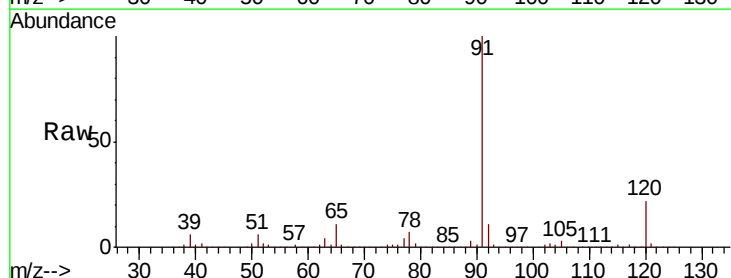
Acq: 7 May 2019 17:35

Tgt Ion: 91 Resp: 1331046

Ion Ratio Lower Upper

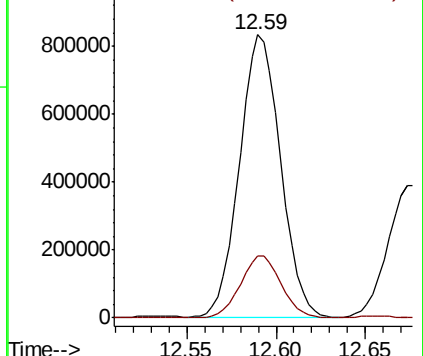
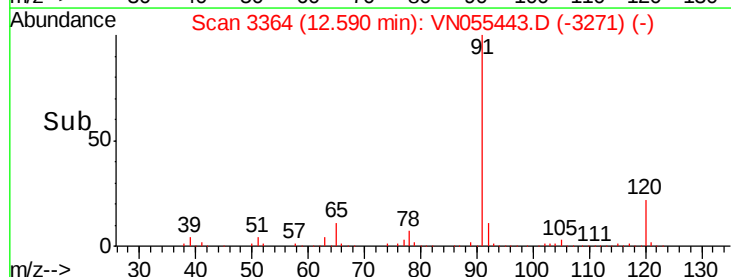
91 100

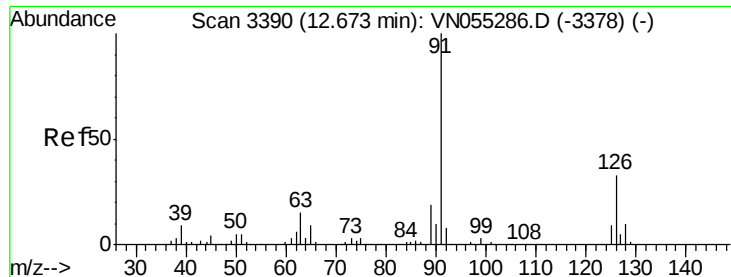
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.470 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

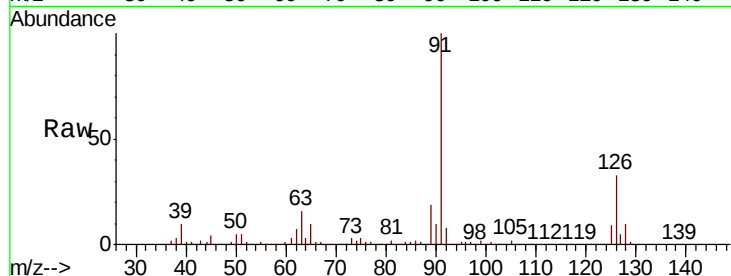
EP1-PZ-W4-5MSD

Tot Ion: 91 Resp: 658802

Ion Ratio Lower Upper

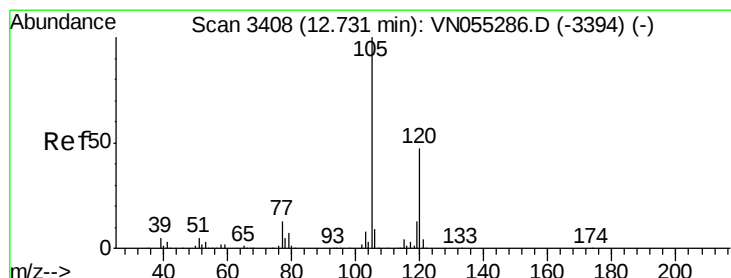
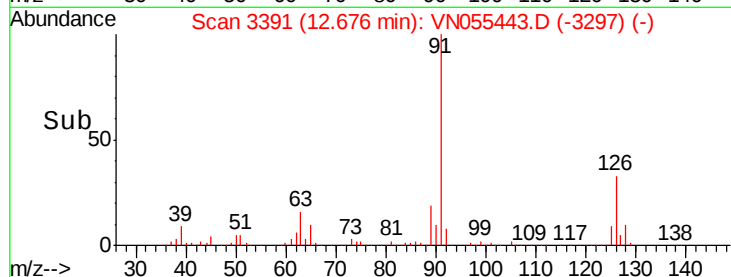
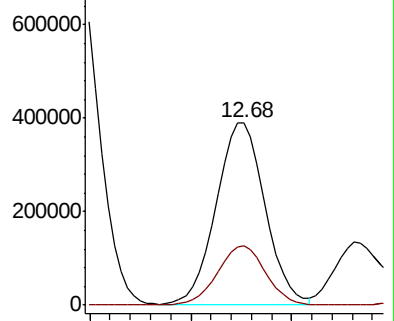
91 100

126 32.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 109.754 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055443.D

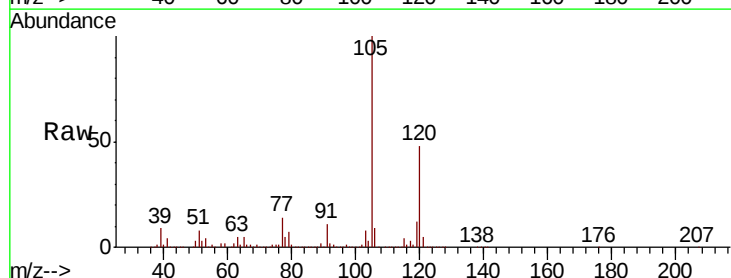
Acq: 7 May 2019 17:35

Tgt Ion:105 Resp: 1962926

Ion Ratio Lower Upper

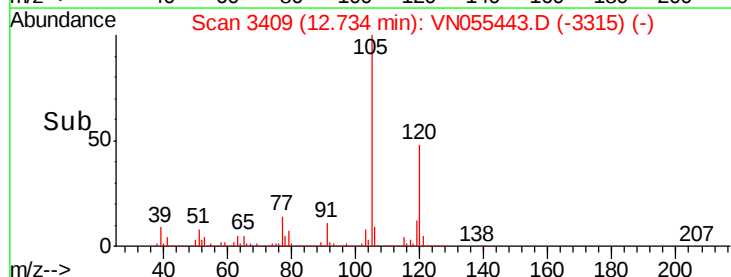
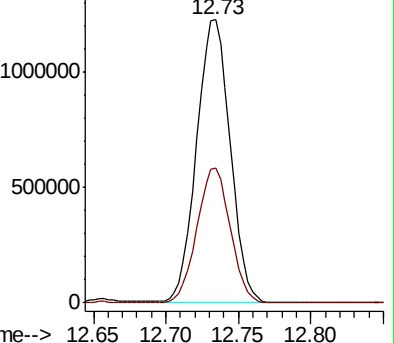
105 100

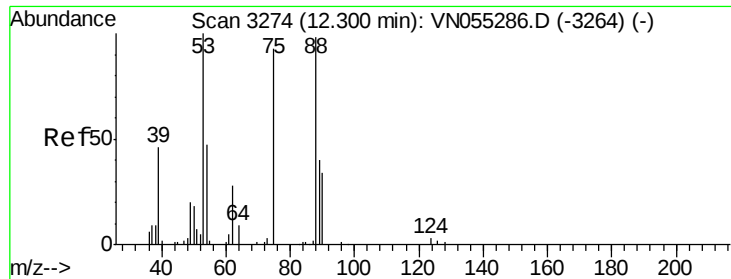
120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.023 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

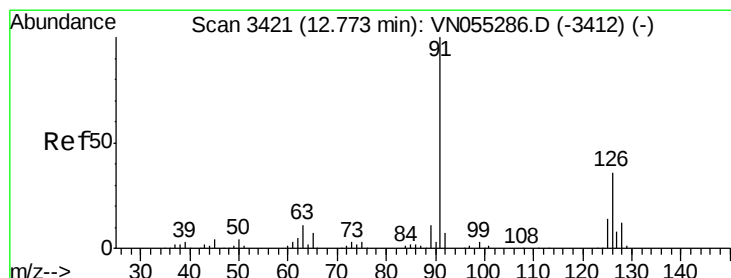
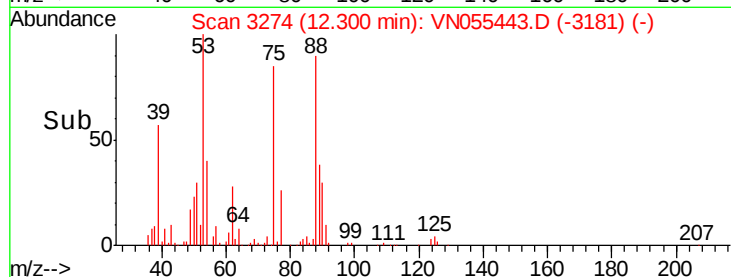
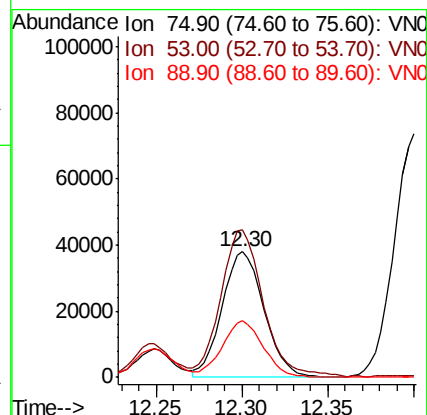
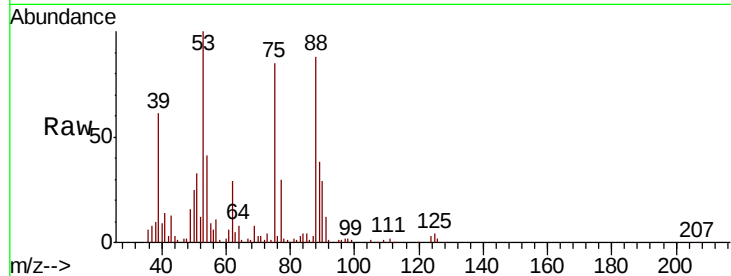
Tot Ion: 75 Resp: 65034

Ion Ratio Lower Upper

75 100

53 117.1 86.3 129.5

89 44.2 34.6 51.8



#82

4-Chlorotoluene

Concen: 47.106 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055443.D

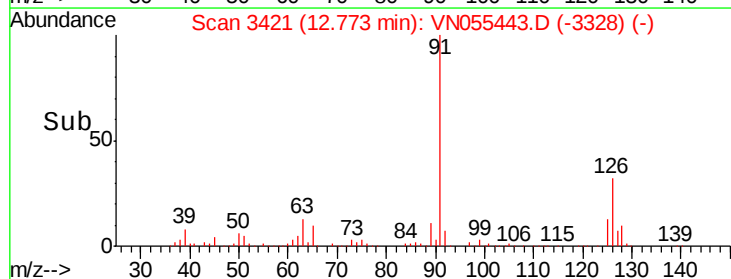
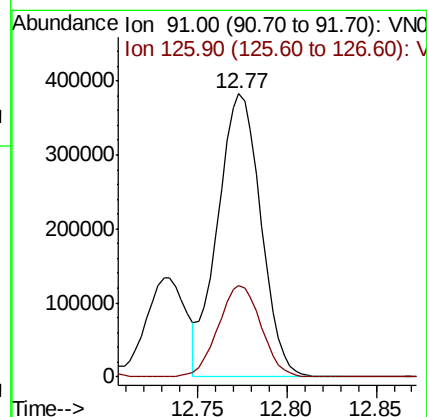
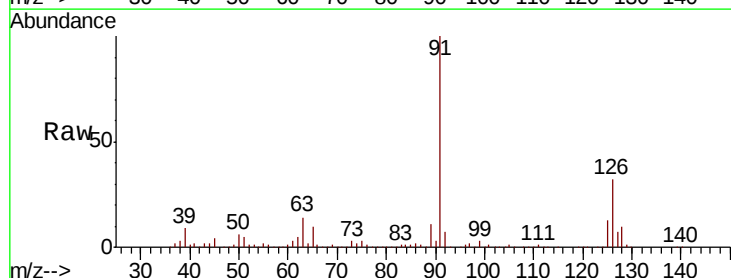
Acq: 7 May 2019 17:35

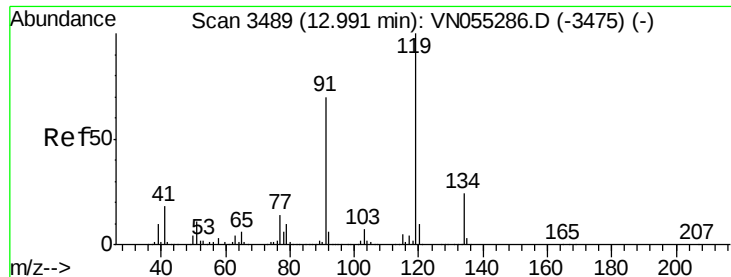
Tgt Ion: 91 Resp: 641837

Ion Ratio Lower Upper

91 100

126 32.2 16.6 49.7

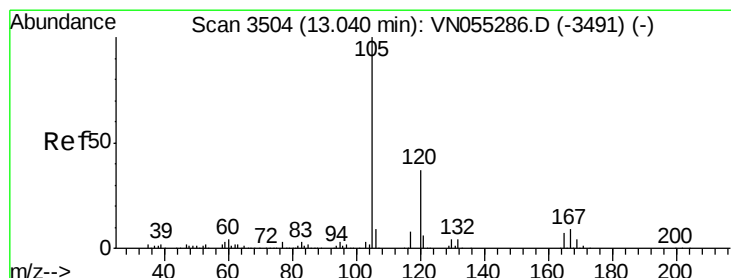
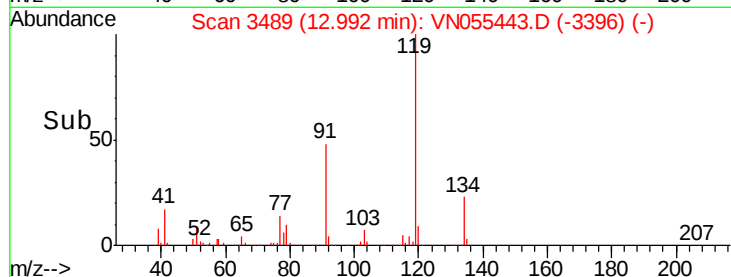
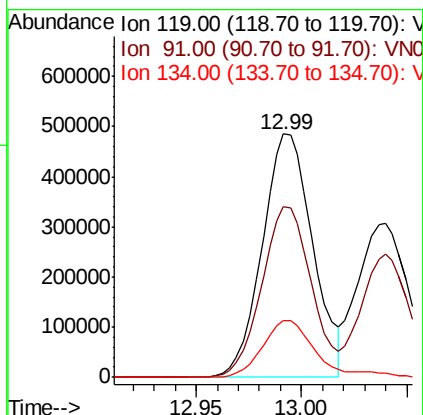
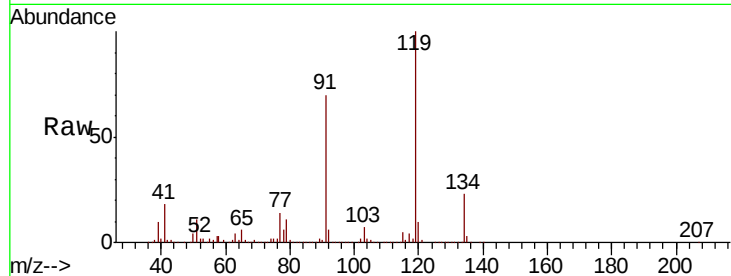




#83
tert-Butylbenzene
Concen: 64.750 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

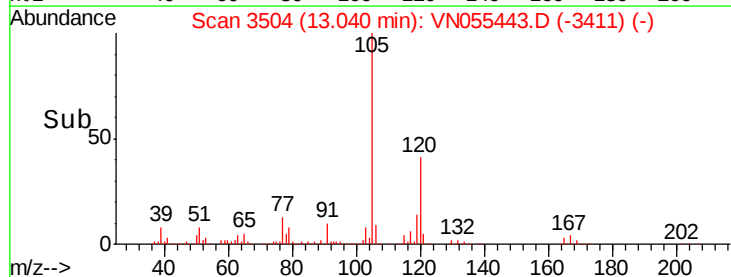
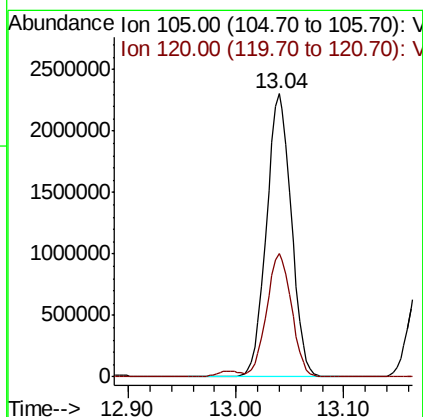
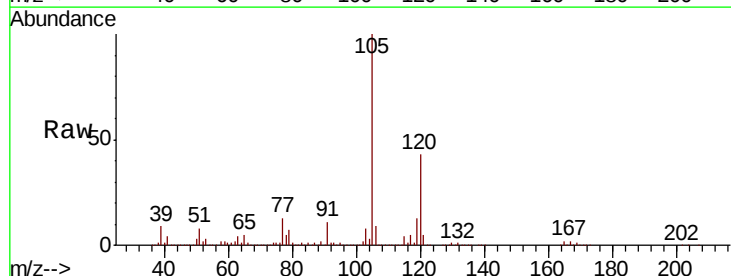
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

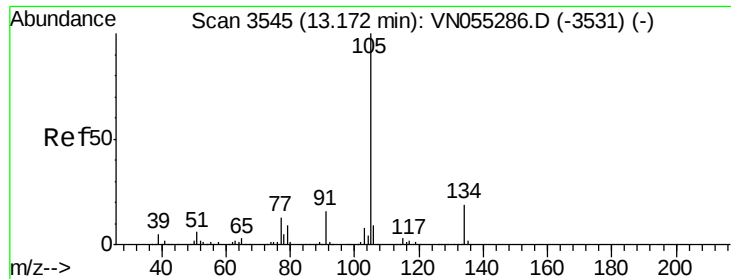
Tot Ion:119 Resp: 808808
Ion Ratio Lower Upper
119 100
91 68.6 34.3 102.9
134 24.8 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 230.041 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion:105 Resp: 3679536
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 70.571 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

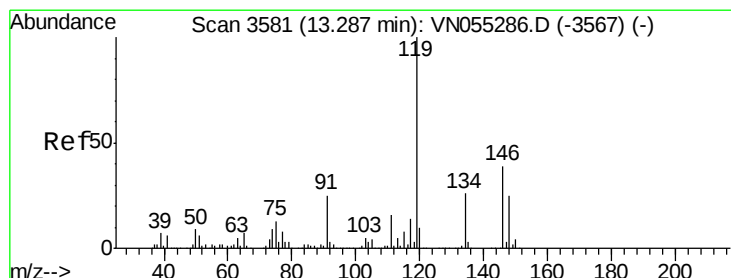
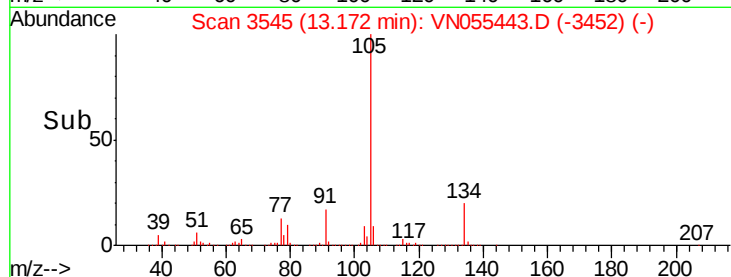
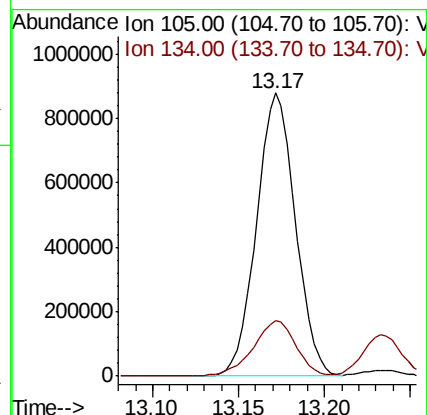
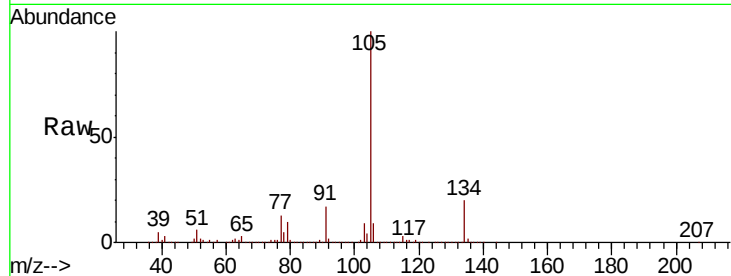
EP1-PZ-W4-5MSD

Tot Ion:105 Resp: 1371838

Ion Ratio Lower Upper

105 100

134 21.7 9.6 28.8



#86

p-Isopropyltoluene

Concen: 55.036 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

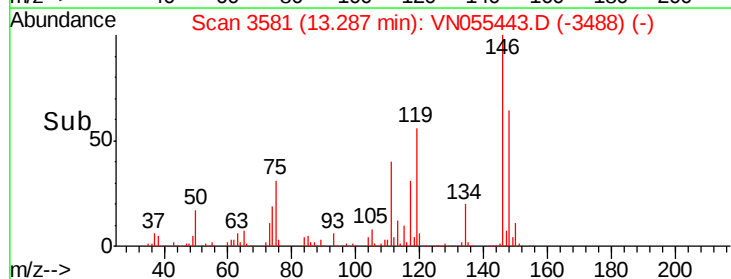
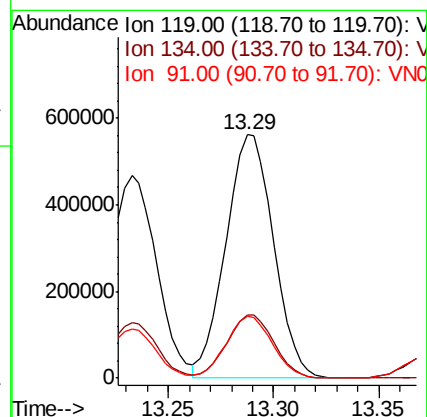
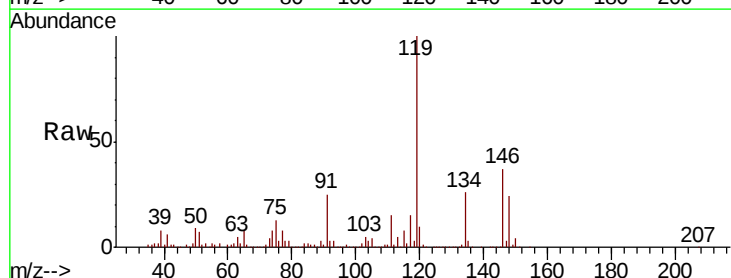
Tgt Ion:119 Resp: 879320

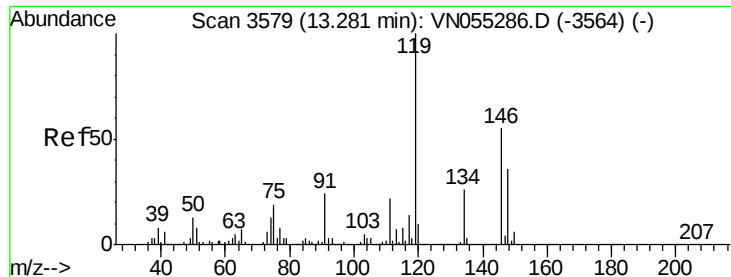
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 24.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 50.276 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

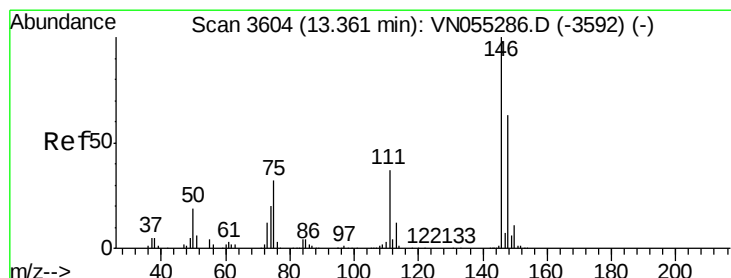
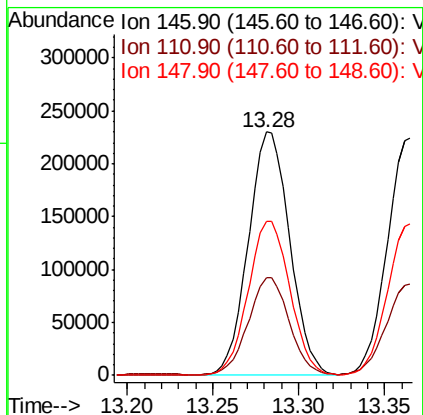
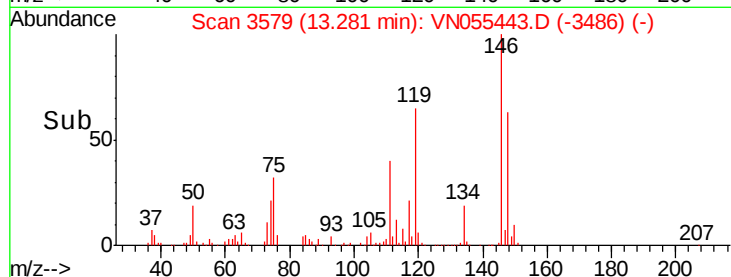
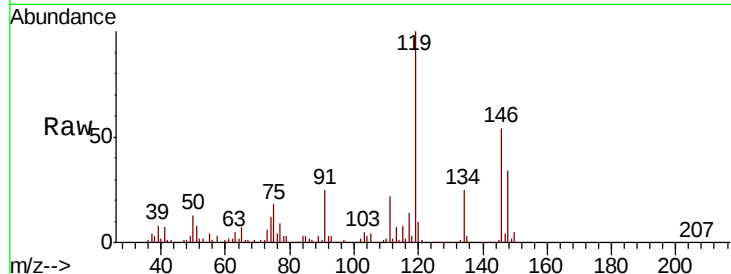
Tot Ion:146 Resp: 383799

Ion Ratio Lower Upper

146 100

111 38.9 20.3 60.8

148 63.9 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 51.969 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

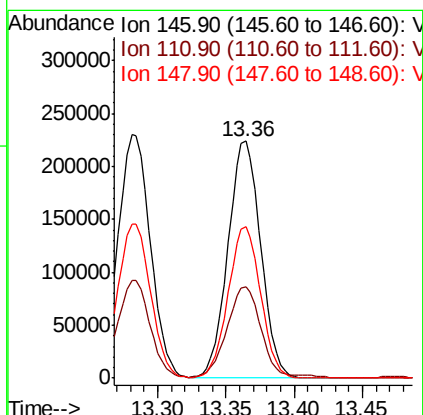
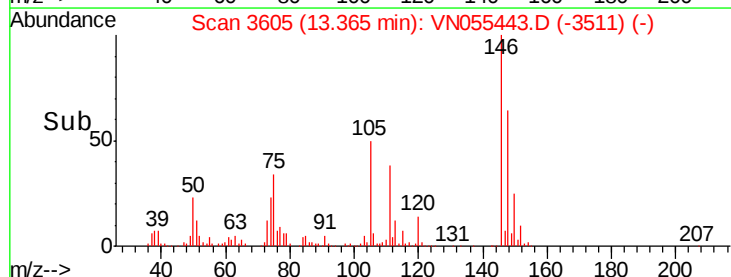
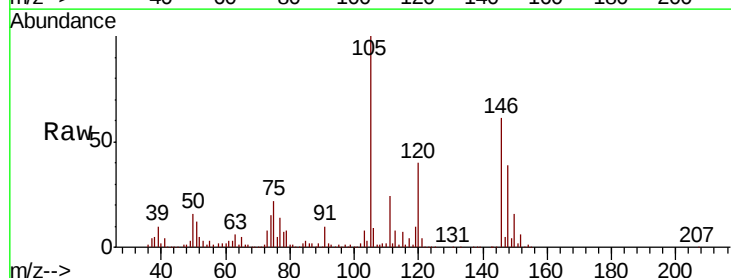
Tgt Ion:146 Resp: 373606

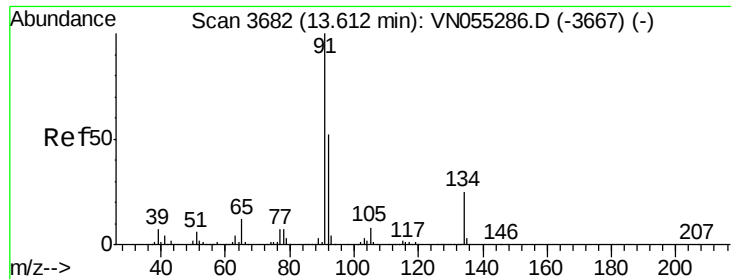
Ion Ratio Lower Upper

146 100

111 38.7 19.5 58.5

148 63.5 32.5 97.4

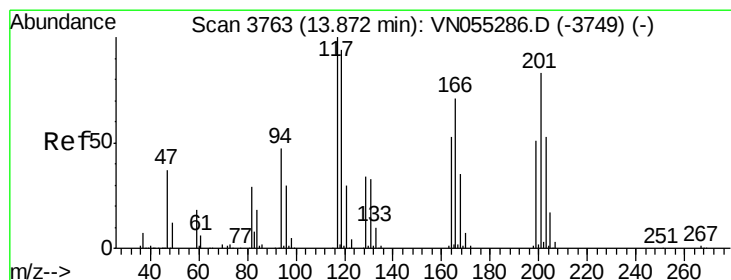
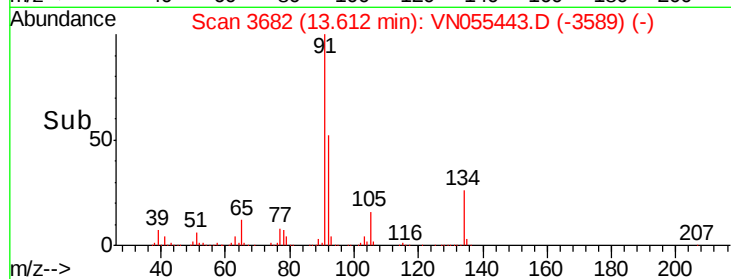
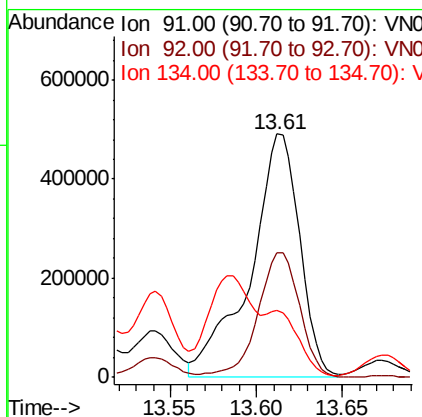
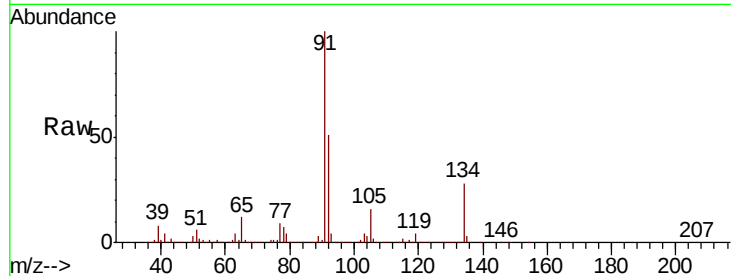




#89
n-Butylbenzene
Concen: 85.915 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

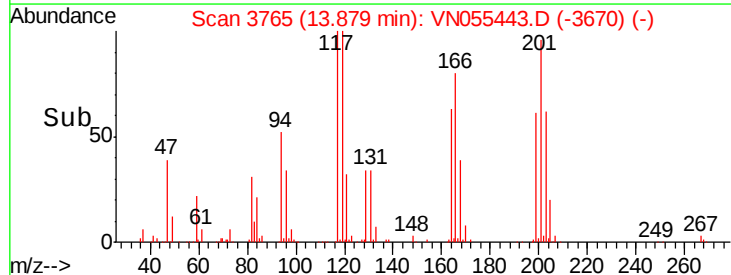
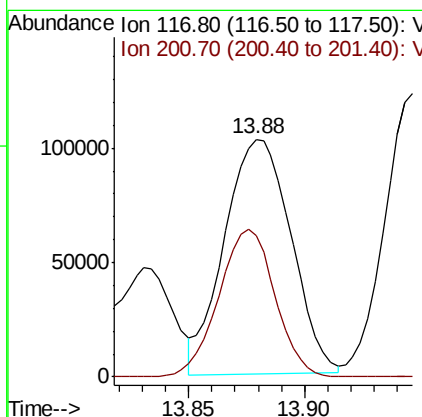
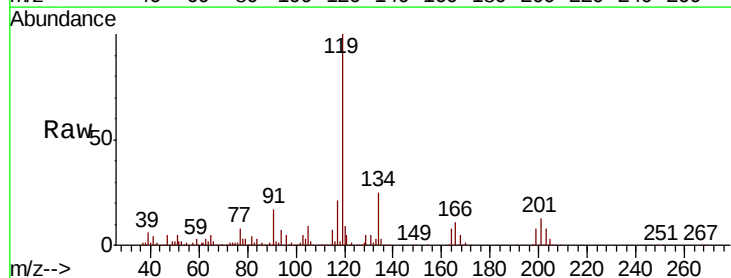
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MSD

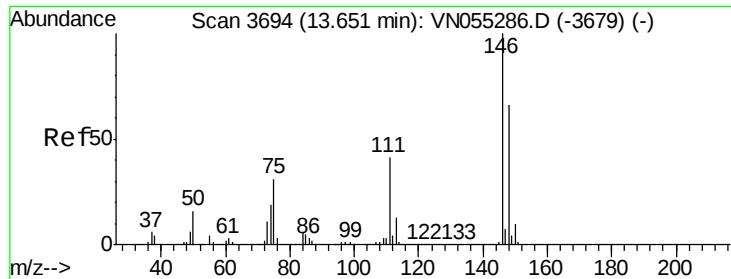
Tot Ion: 91 Resp: 975405
Ion Ratio Lower Upper
91 100
92 43.2 26.1 78.3
134 0.0 12.4 37.4#



#90
Hexachloroethane
Concen: 81.977 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.01 min
Lab File: VN055443.D
Acq: 7 May 2019 17:35

Tgt Ion: 117 Resp: 204834
Ion Ratio Lower Upper
117 100
201 53.2 41.9 125.8

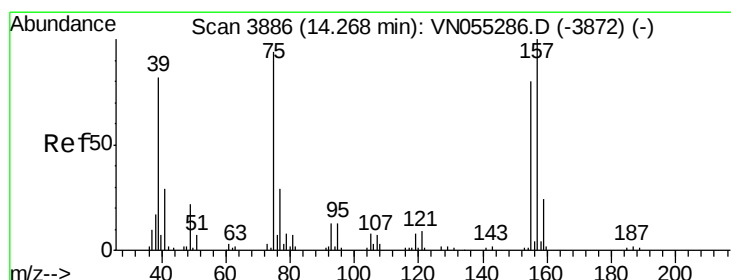
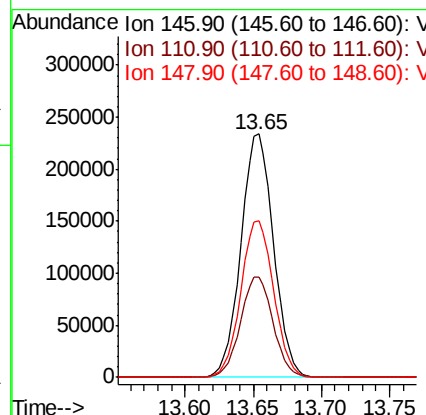
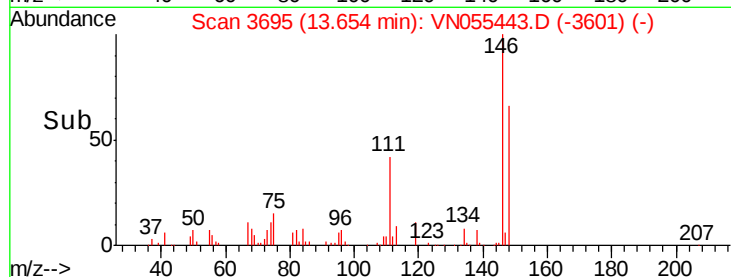
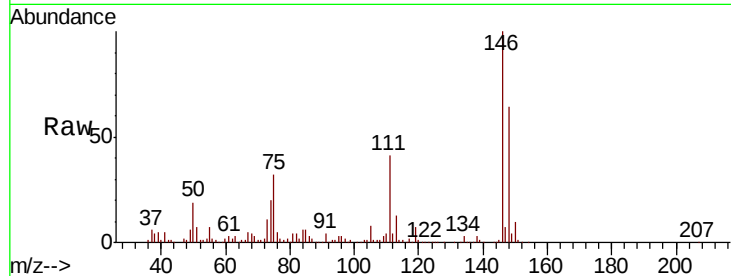




#91
 1,2-Dichlorobenzene
 Concen: 51.222 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

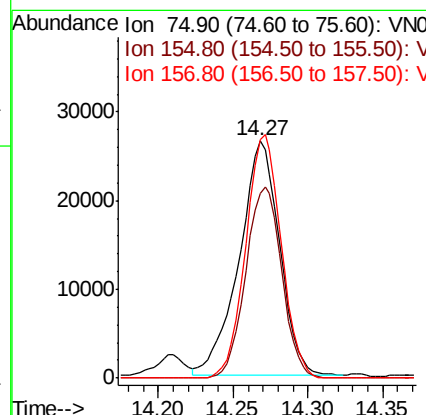
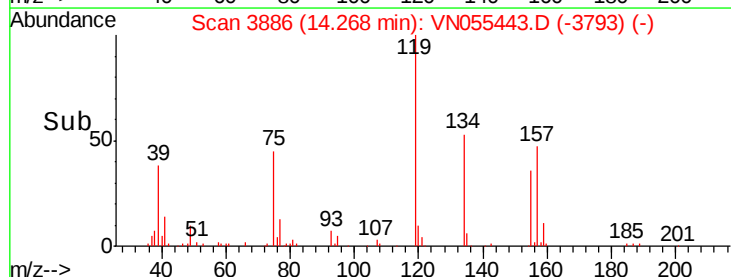
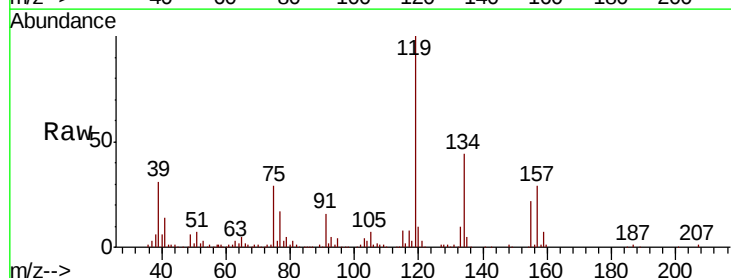
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

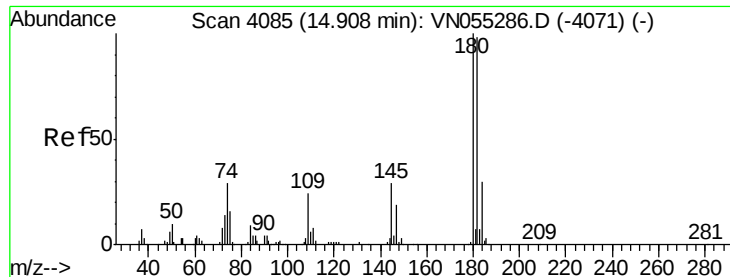
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	64.7	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 82.853 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	41.5	124.6
157	90.9	54.0	162.2

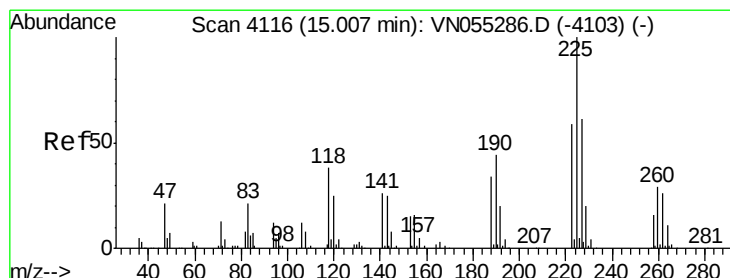
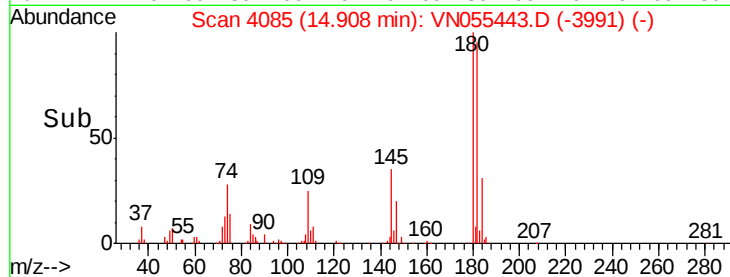
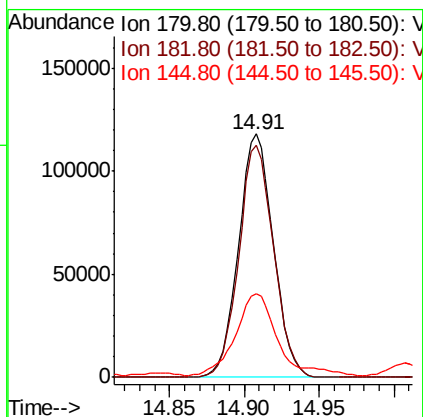
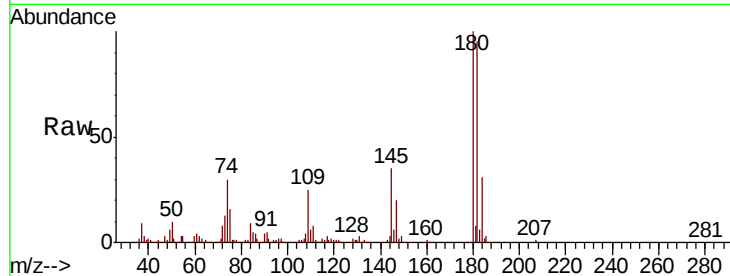




#93
 1,2,4-Trichlorobenzene
 Concen: 63.071 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

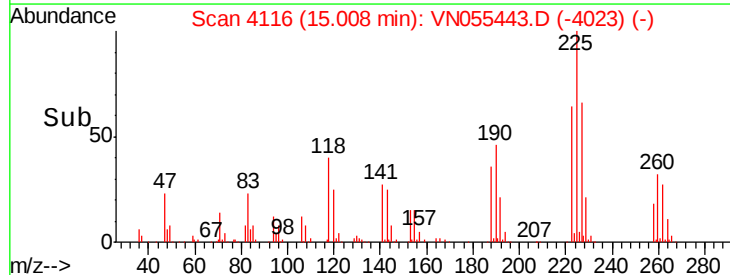
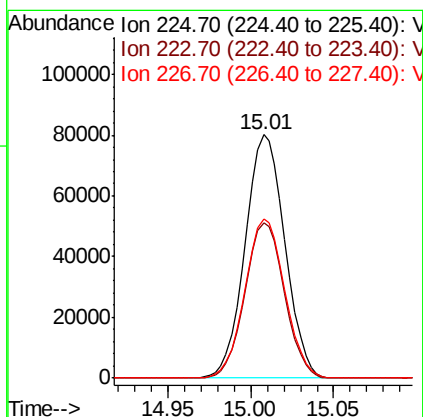
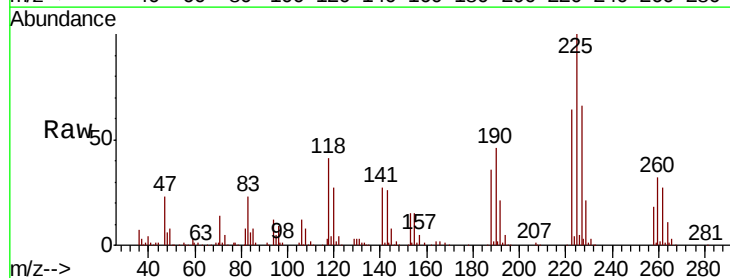
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MSD

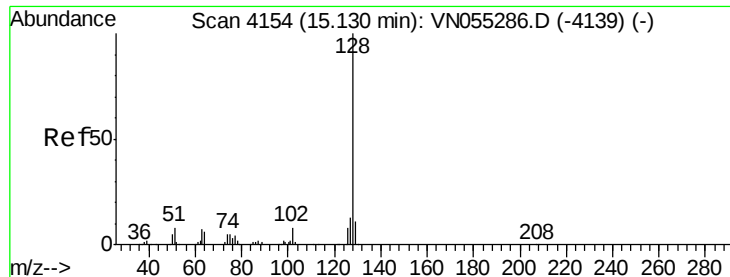
Tot Ion:180 Resp: 190894
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.3 144.9
 145 43.5 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: 59.359 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055443.D
 Acq: 7 May 2019 17:35

Tgt Ion:225 Resp: 133950
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.3 90.8
 227 65.5 30.9 92.7





#95

Naphthalene

Concen: 67.238 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MSD

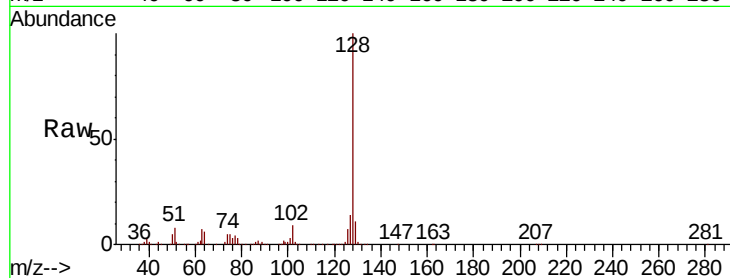
Tot Ion:128 Resp: 434154

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

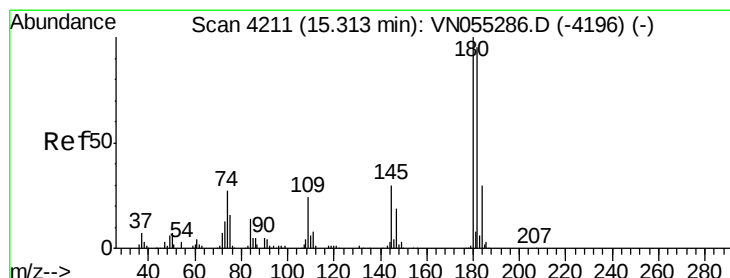
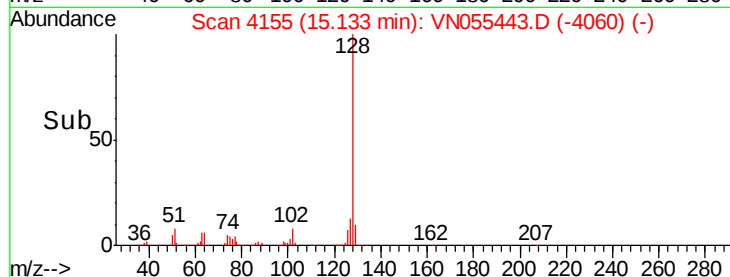
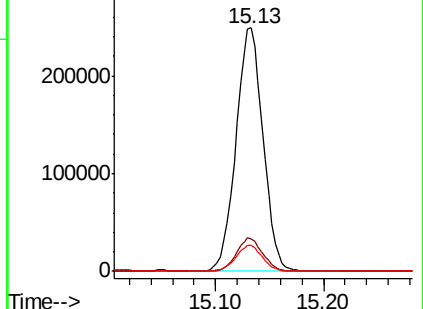
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 65.934 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055443.D

Acq: 7 May 2019 17:35

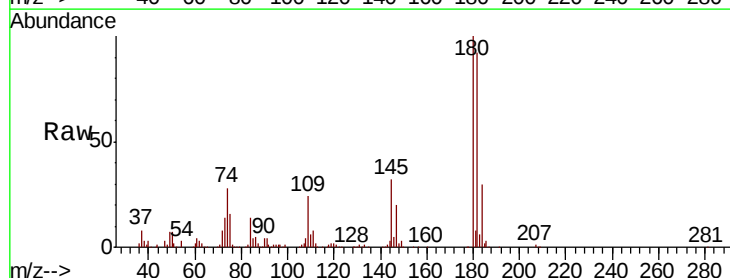
Tgt Ion:180 Resp: 196260

Ion Ratio Lower Upper

180 100

182 94.6 48.3 144.9

145 33.3 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

