

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058266.D
 Acq On : 20 Sep 2019 21:07
 Operator : JC/SP
 Sample : K4974-04MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Quant Time: Sep 20 23:54:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	447710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	774793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	707890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346041	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	355053	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.57	113	256015	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.08	98	997248	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.41	95	363107	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	181147	49.254	ug/l	98
3) Chloromethane	2.03	50	149749	52.883	ug/l	98
4) Vinyl Chloride	2.17	62	160905	51.939	ug/l	99
5) Bromomethane	2.54	94	83587	50.922	ug/l	98
6) Chloroethane	2.68	64	108220	54.661	ug/l	97
7) Trichlorofluoromethane	3.00	101	239956	47.799	ug/l	98
8) Diethyl Ether	3.39	74	115171	50.070	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	187591	51.829	ug/l	99
10) Methyl Iodide	3.93	142	151454	49.938	ug/l	99
11) Tert butyl alcohol	4.76	59	229487	309.384	ug/l	100
12) 1,1-Dichloroethene	3.72	96	141937	51.687	ug/l	99
13) Acrolein	3.59	56	39268	357.224	ug/l	95
14) Allyl chloride	4.30	41	265759	44.872	ug/l	90
15) Acrylonitrile	4.96	53	586650	296.851	ug/l	100
16) Acetone	3.80	43	525439	248.240	ug/l	98
17) Carbon Disulfide	4.03	76	180054	46.589	ug/l	99
18) Methyl Acetate	4.30	43	295201	53.002	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	740462	54.241	ug/l	100
20) Methylene Chloride	4.53	84	199742	53.917	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	150252	50.202	ug/l	99
22) Diisopropyl ether	5.93	45	810937	53.903	ug/l	98
23) Vinyl Acetate	5.87	43	2823144	274.243	ug/l	100
24) 1,1-Dichloroethane	5.83	63	417001	51.933	ug/l	99
25) 2-Butanone	6.81	43	821891	285.014	ug/l	98
26) 2,2-Dichloropropane	6.81	77	288580	42.364	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	236568	52.106	ug/l	99
28) Bromochloromethane	7.18	49	215715	56.790	ug/l	99
29) Tetrahydrofuran	7.19	42	513581	289.134	ug/l	100
30) Chloroform	7.36	83	447652	51.793	ug/l	100
31) Cyclohexane	7.64	56	261756	50.454	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	352235	53.533	ug/l	99
36) 1,1-Dichloropropene	7.78	75	254010	45.461	ug/l	99
37) Ethyl Acetate	6.91	43	307259	52.989	ug/l	99
38) Carbon Tetrachloride	7.76	117	273692	48.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	255675	47.331	ug/l	99
40) Benzene	8.03	78	842392	49.361	ug/l	100
41) Methacrylonitrile	7.19	41	493950	166.925	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	357499	49.923	ug/l	100
43) Isopropyl Acetate	8.15	43	540909	49.948	ug/l	99
44) Trichloroethene	8.82	130	214808	51.436	ug/l	99
45) 1,2-Dichloropropane	9.11	63	266665	52.323	ug/l	97
46) Dibromomethane	9.20	93	158315	51.093	ug/l	99
47) Bromodichloromethane	9.40	83	345249	53.185	ug/l	100
48) Methyl methacrylate	9.19	41	275302	55.990	ug/l	99
49) 1,4-Dioxane	9.19	88	92682	1148.086	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1786618	310.605	ug/l	99
52) Toluene	10.15	92	532560	49.794	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352325	52.985	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373927	50.933	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257882	54.333	ug/l	99
56) Ethyl methacrylate	10.43	69	380204	55.519	ug/l	99
57) 1,3-Dichloropropane	10.71	76	427489	52.391	ug/l	99
59) 2-Hexanone	10.75	43	1300045	304.318	ug/l	100
60) Dibromochloromethane	10.90	129	253804	55.583	ug/l	99
61) 1,2-Dibromoethane	11.00	107	235211	53.474	ug/l	99
64) Tetrachloroethene	10.63	164	155488	45.059	ug/l	99
65) Chlorobenzene	11.44	112	619154	49.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243892	54.020	ug/l	99
67) Ethyl Benzene	11.51	91	1109370	51.998	ug/l	99
68) m/p-Xylenes	11.62	106	805273	100.215	ug/l	97
69) o-Xylene	11.95	106	414483	52.459	ug/l	97
70) Styrene	11.97	104	712508	52.338	ug/l	99
71) Bromoform	12.13	173	162262	48.585	ug/l #	99
73) Isopropylbenzene	12.25	105	1159321	53.524	ug/l	99
74) N-amyl acetate	12.07	43	502263	55.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	398706	54.968	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	483430	78.060	ug/l #	100
77) Bromobenzene	12.53	156	273247	50.152	ug/l	98
78) n-propylbenzene	12.60	91	1352501	54.950	ug/l	99
79) 2-Chlorotoluene	12.68	91	809277	52.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	986126	53.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	99389	48.023	ug/l	98
82) 4-Chlorotoluene	12.78	91	840063	51.953	ug/l	99
83) tert-Butylbenzene	13.00	119	869457	53.230	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1003274	55.042	ug/l	100
85) sec-Butylbenzene	13.18	105	1176333	55.074	ug/l	100
86) p-Isopropyltoluene	13.30	119	1043594	54.959	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	519679	52.222	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	512724	50.467	ug/l	99
89) n-Butylbenzene	13.62	91	940134	52.221	ug/l	100
90) Hexachloroethane	13.88	117	166769	50.079	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	530987	53.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75755	58.012	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	321777	50.451	ug/l	100

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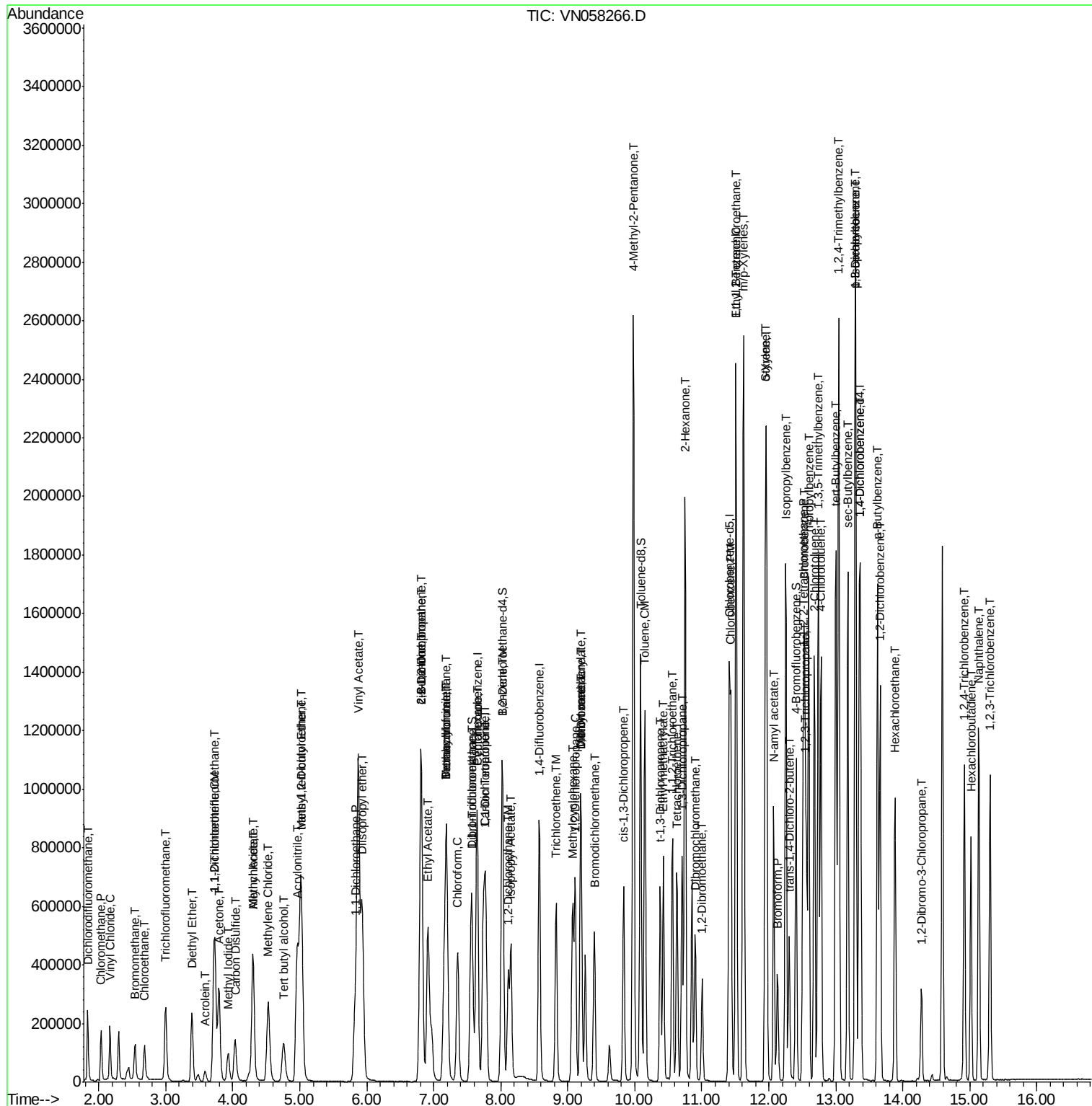
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	143698	46.614	ug/l	99
95) Naphthalene	15.13	128	958863	58.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	311276	51.636	ug/l	98

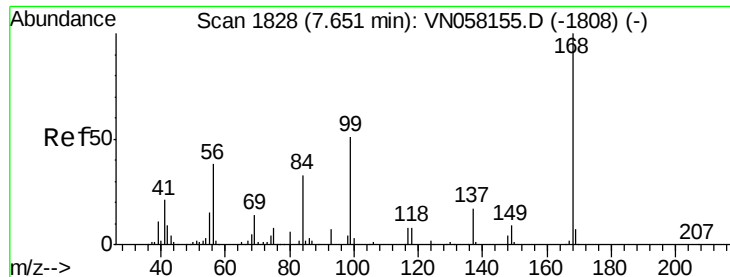
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

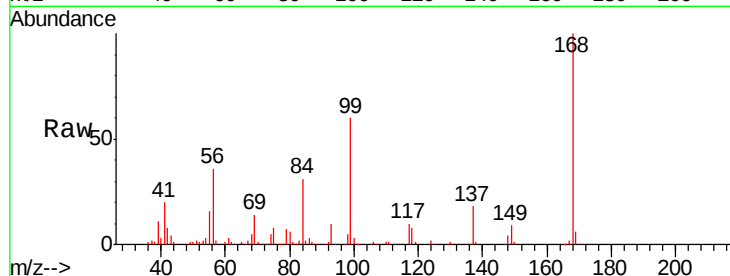
RE132D2-20190916MSD

Tgt Ion:168 Resp: 447710

Ion Ratio Lower Upper

168 100

99 59.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

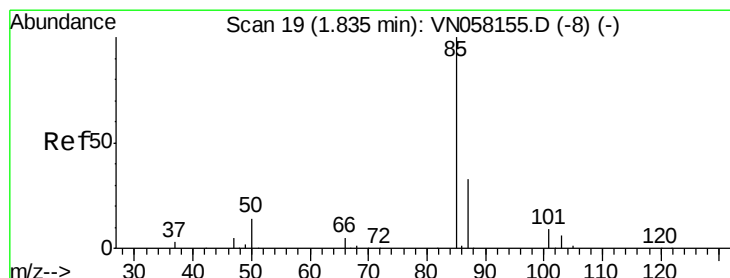
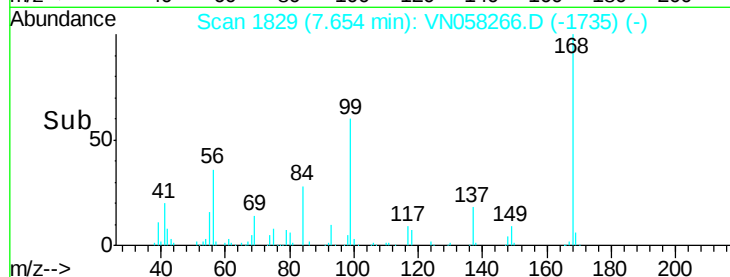
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.254 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058266.D

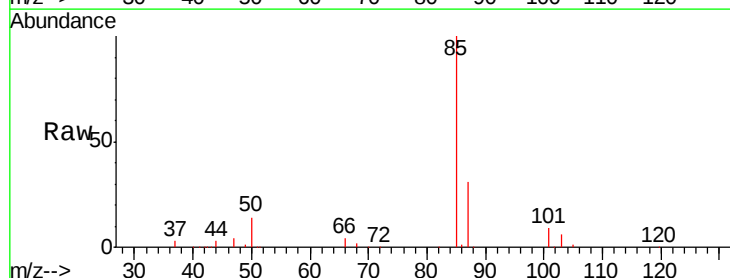
Acq: 20 Sep 2019 21:07

Tgt Ion: 85 Resp: 181147

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

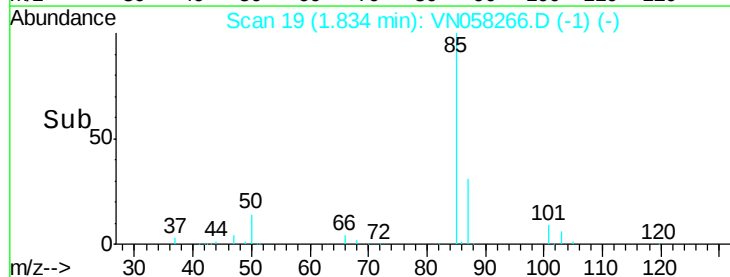
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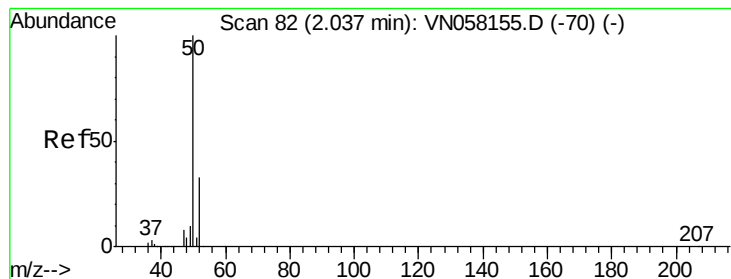
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.883 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

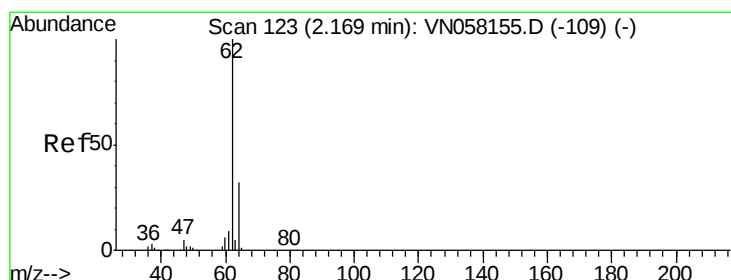
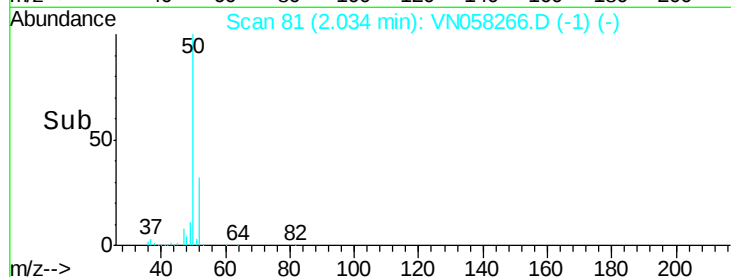
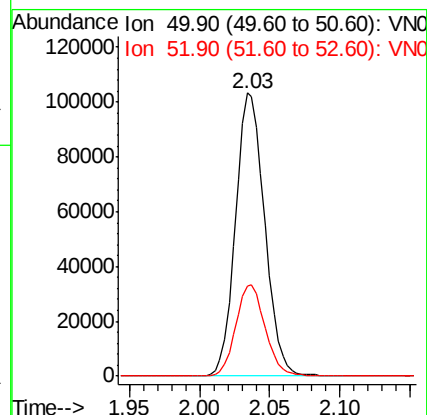
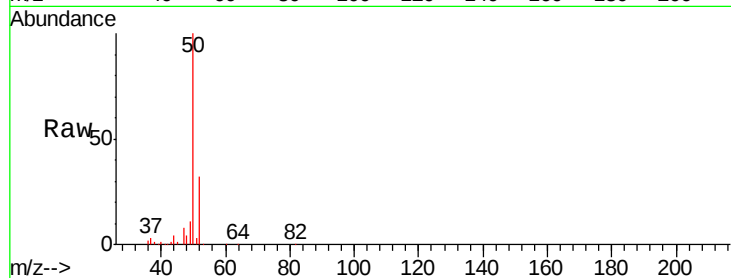
RE132D2-20190916MSD

Tgt Ion: 50 Resp: 149749

Ion Ratio Lower Upper

50 100

52 32.0 26.3 39.5



#4

Vinyl Chloride

Concen: 51.939 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058266.D

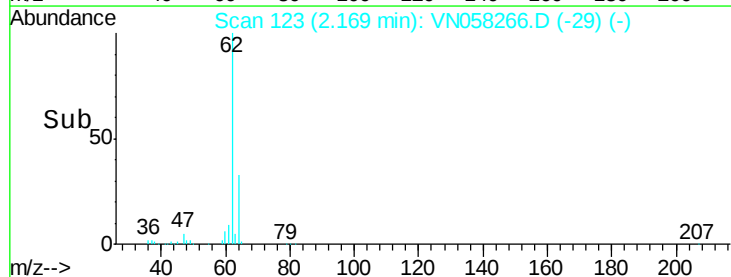
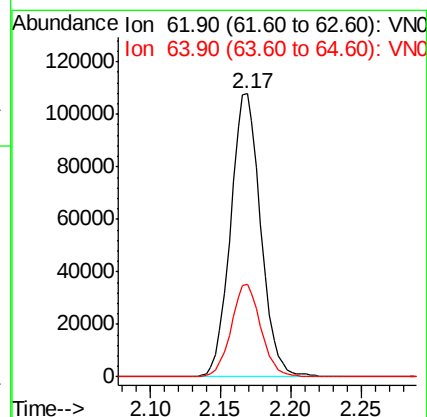
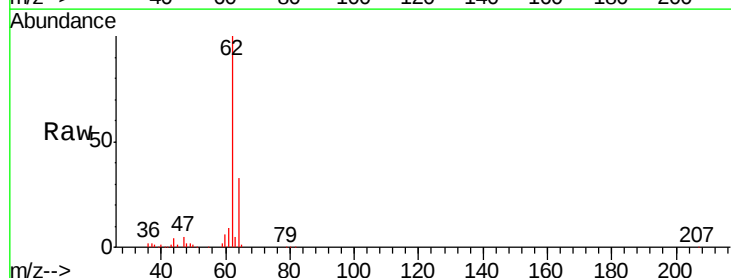
Acq: 20 Sep 2019 21:07

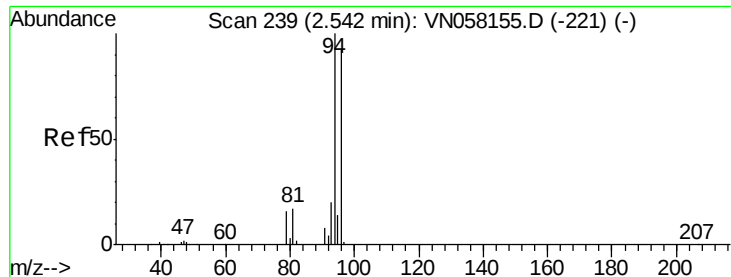
Tgt Ion: 62 Resp: 160905

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 50.922 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

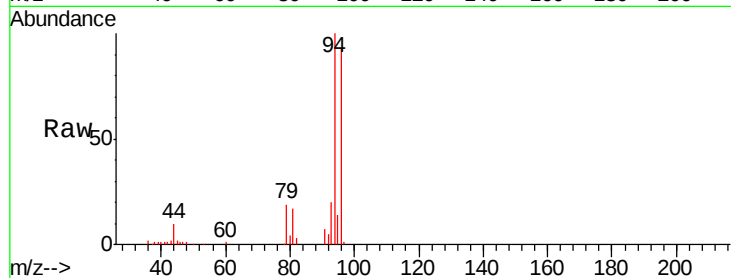
RE132D2-20190916MSD

Tgt Ion: 94 Resp: 83587

Ion Ratio Lower Upper

94 100

96 93.1 73.3 109.9

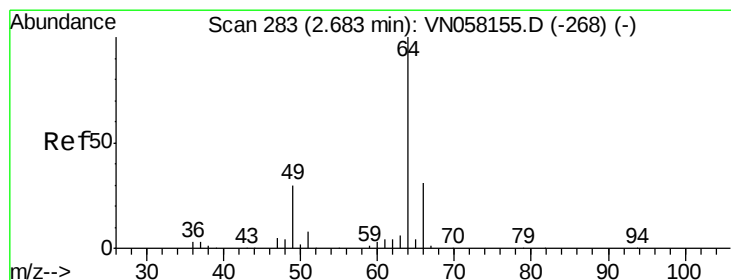
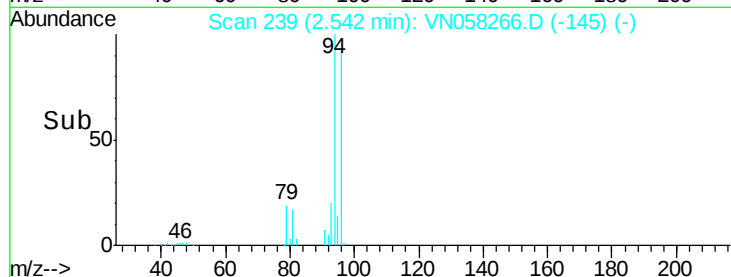


Abundance Ion 93.90 (93.60 to 94.60): VN058155.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN058155.D (-221) (-)

2.54

Time-->



#6

Chloroethane

Concen: 54.661 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058266.D

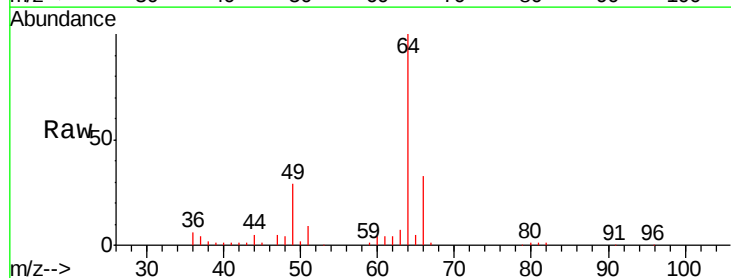
Acq: 20 Sep 2019 21:07

Tgt Ion: 64 Resp: 108220

Ion Ratio Lower Upper

64 100

66 32.6 24.6 37.0

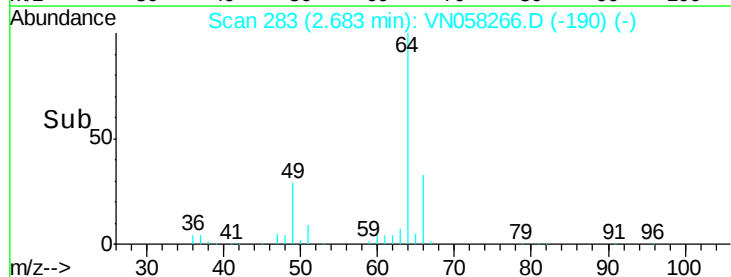


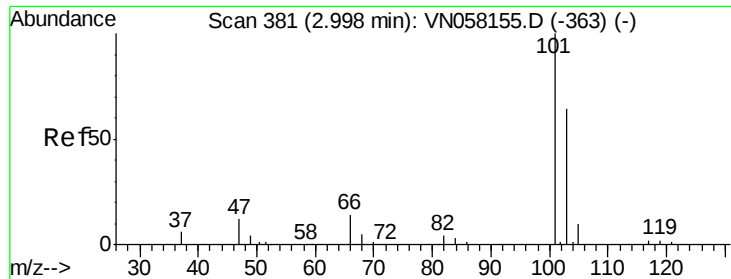
Abundance Ion 63.90 (63.60 to 64.60): VN058155.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN058155.D (-268) (-)

2.68

Time-->



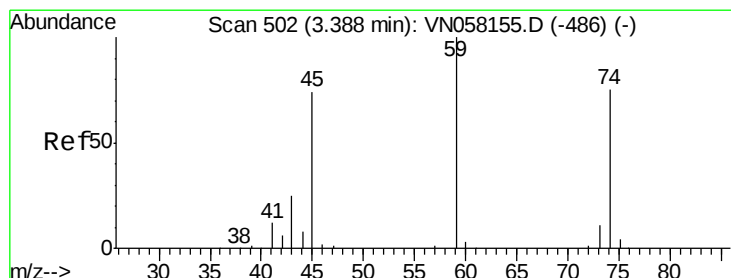
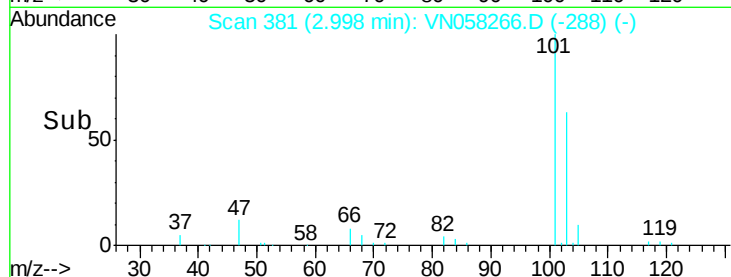
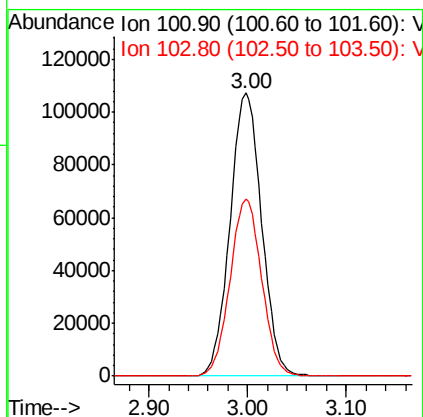
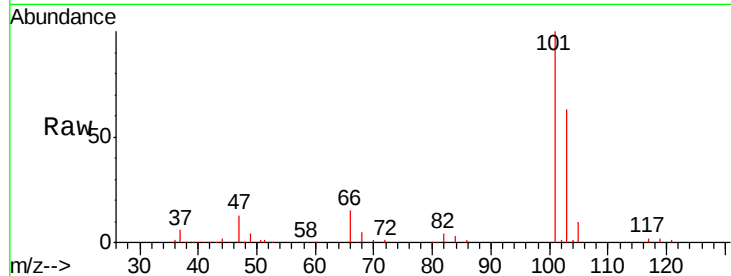


#7

Trichlorofluoromethane
 Concen: 47.799 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

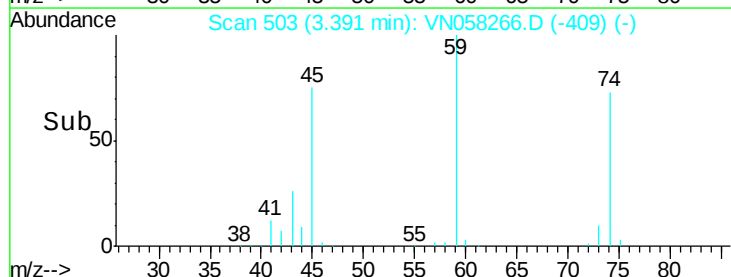
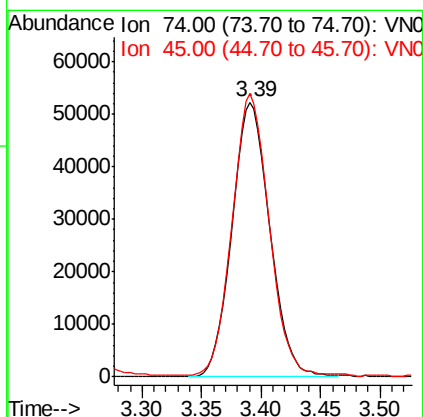
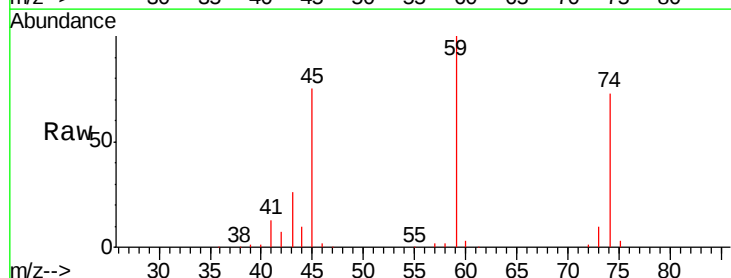
Tgt Ion: 101 Resp: 239956
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.0 76.6



#8

Diethyl Ether
 Concen: 50.070 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 74 Resp: 115171
 Ion Ratio Lower Upper
 74 100
 45 99.7 48.5 145.5

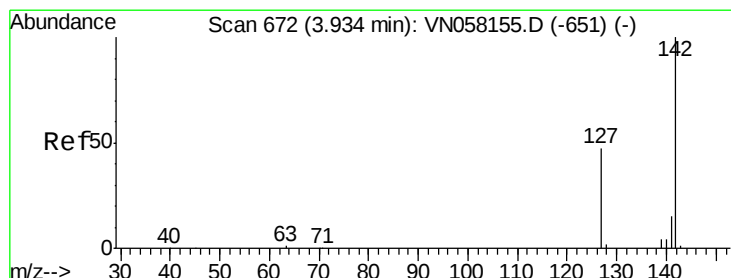
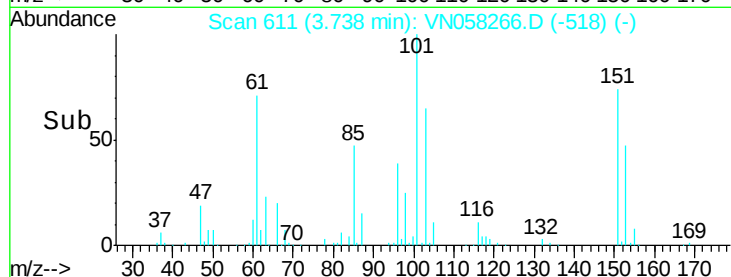
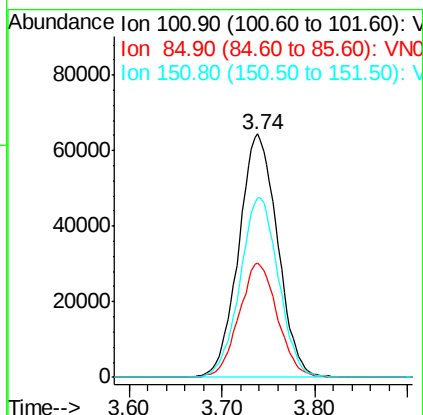
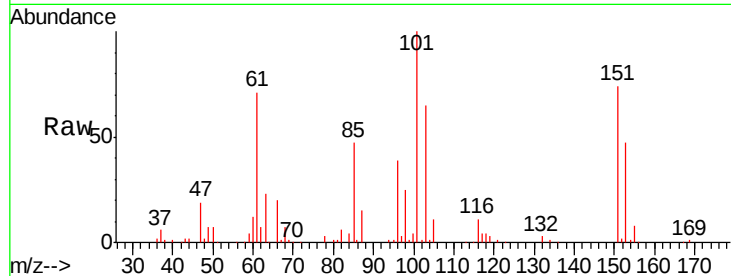




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.829 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

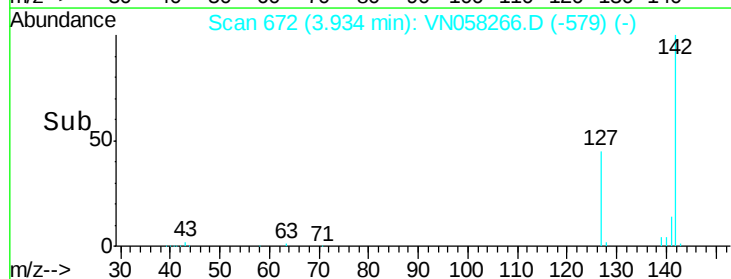
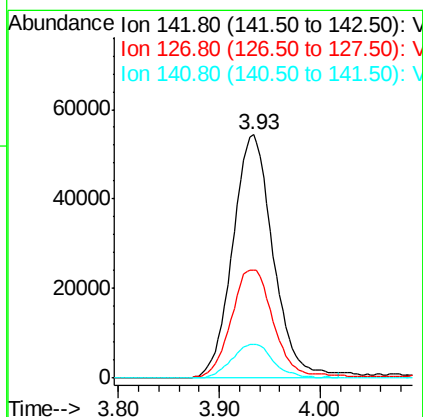
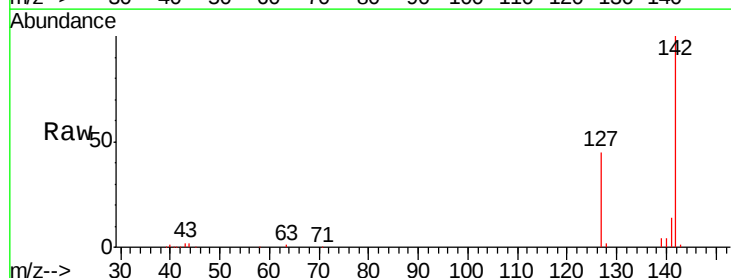
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

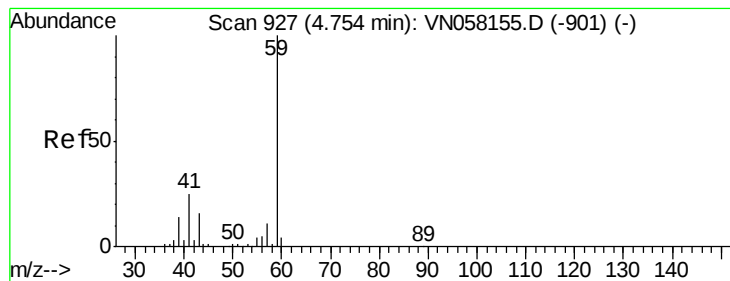
Tgt Ion:101 Resp: 187591
 Ion Ratio Lower Upper
 101 100
 85 46.3 37.3 55.9
 151 73.2 59.6 89.4



#10
 Methyl Iodide
 Concen: 49.938 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion:142 Resp: 151454
 Ion Ratio Lower Upper
 142 100
 127 46.0 37.5 56.3
 141 14.2 11.4 17.2



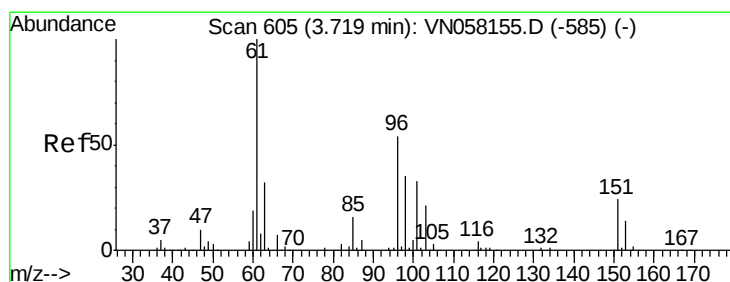
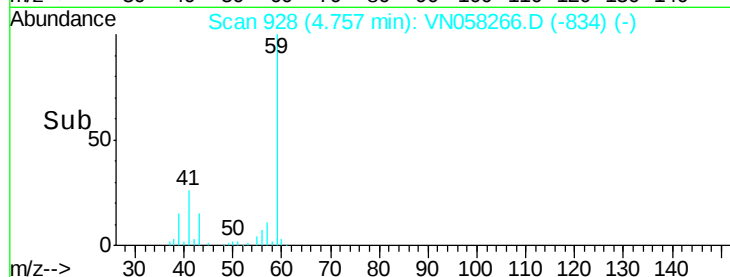
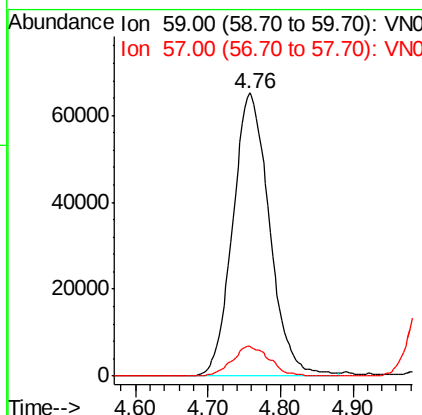
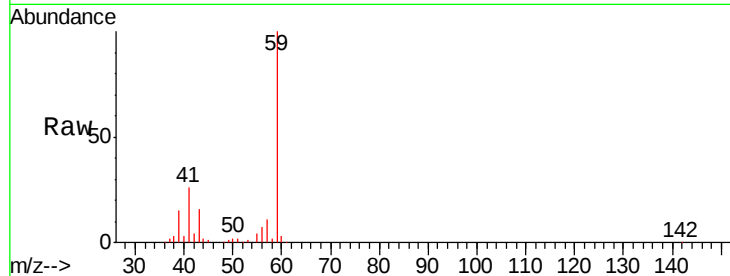


#11

Tert butyl alcohol
 Concen: 309.384 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

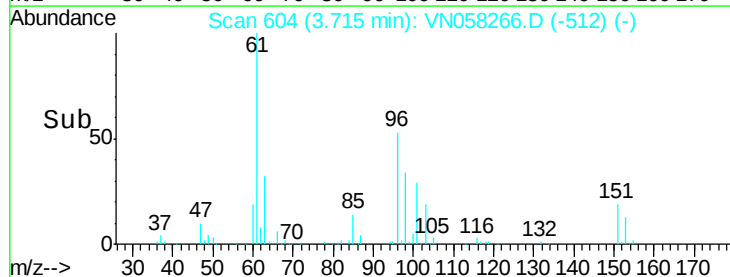
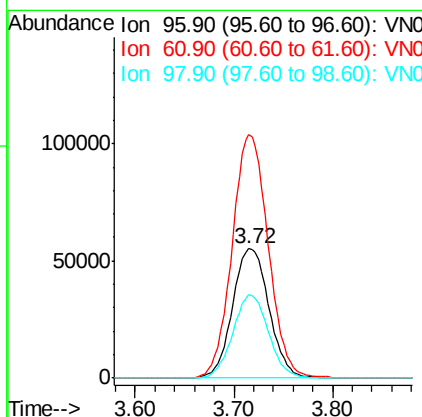
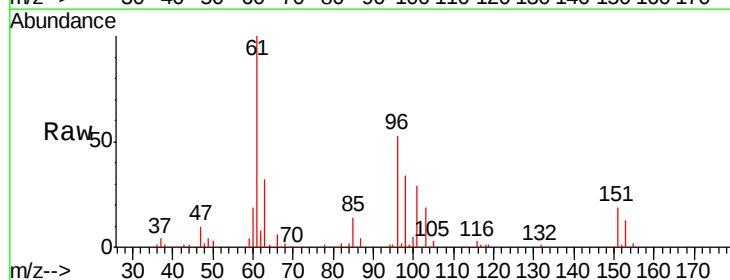
Tgt Ion: 59 Resp: 229487
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0



#12

1,1-Dichloroethene
 Concen: 51.687 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 96 Resp: 141937
 Ion Ratio Lower Upper
 96 100
 61 188.4 149.5 224.3
 98 64.3 52.4 78.6





#13

Acrolein

Concen: 357.224 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

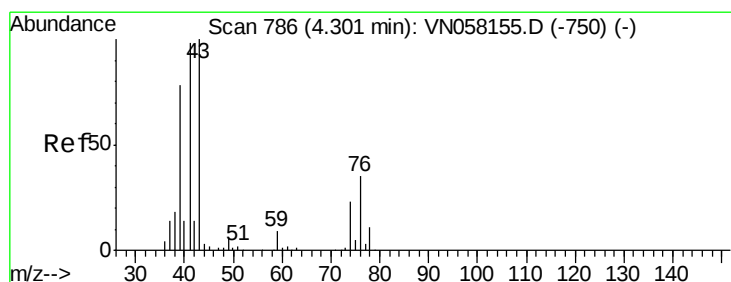
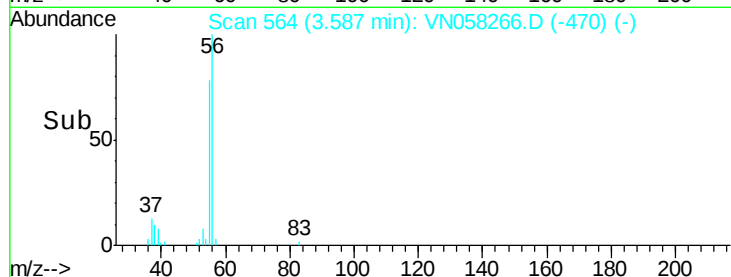
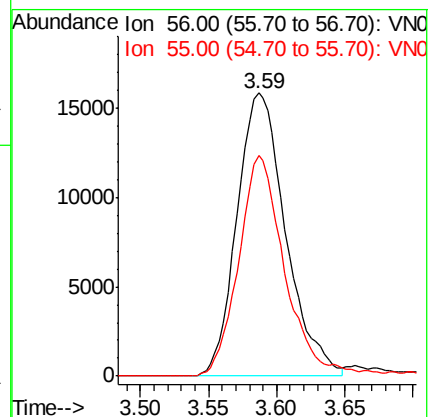
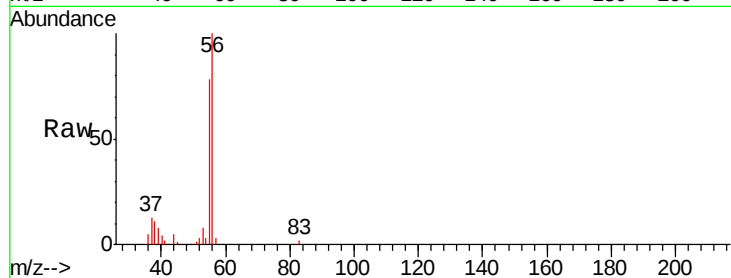
RE132D2-20190916MSD

Tgt Ion: 56 Resp: 39268

Ion Ratio Lower Upper

56 100

55 73.8 56.1 84.1



#14

Allyl chloride

Concen: 44.872 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

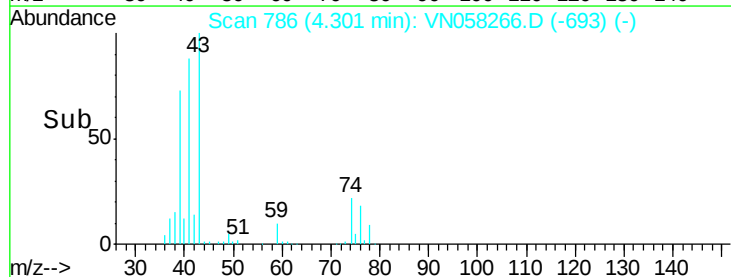
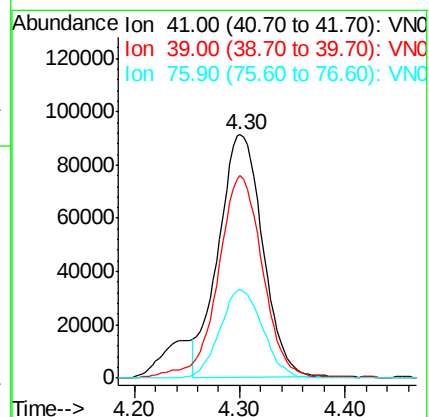
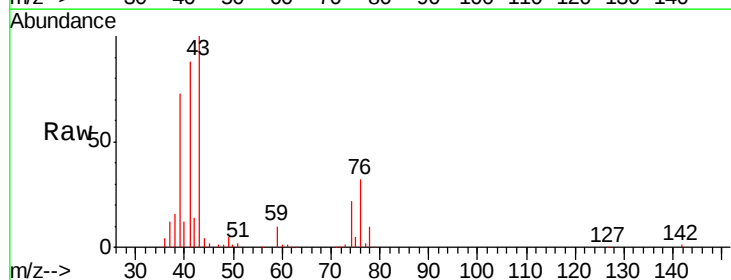
Tgt Ion: 41 Resp: 265759

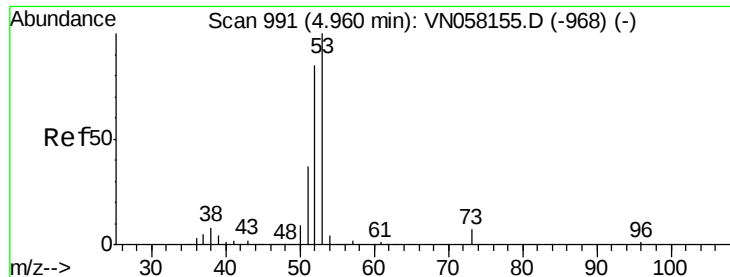
Ion Ratio Lower Upper

41 100

39 83.8 59.1 88.7

76 35.5 25.1 37.7





#15

Acrylonitrile

Concen: 296.851 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

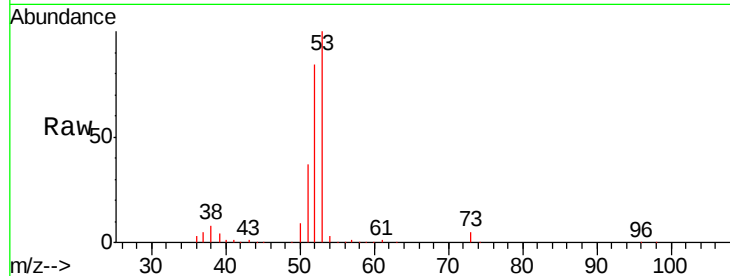
Tgt Ion: 53 Resp: 586650

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

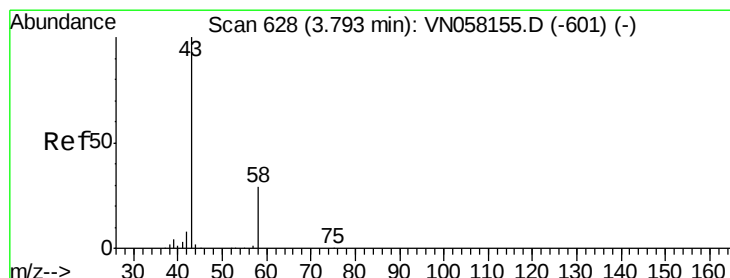
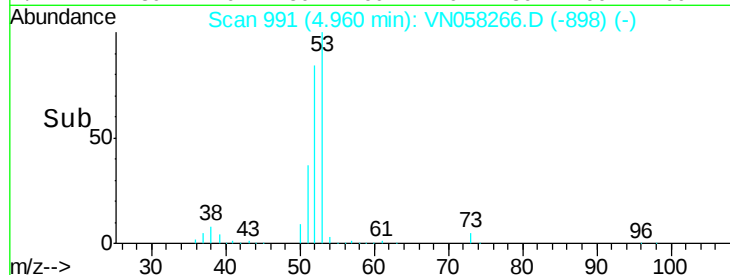
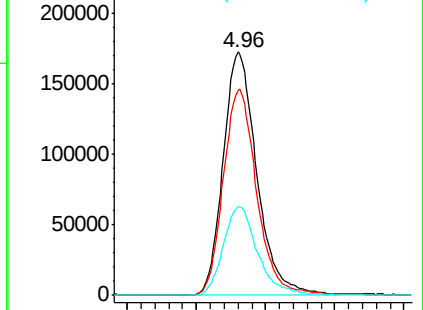
51 37.3 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 248.240 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058266.D

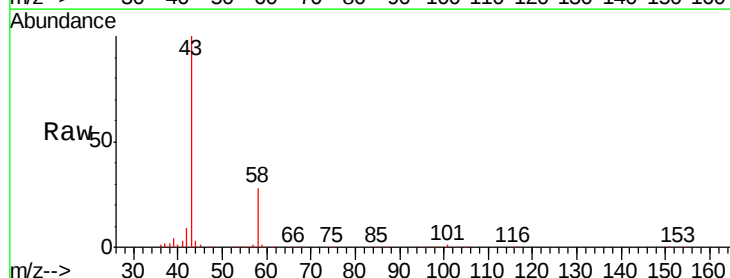
Acq: 20 Sep 2019 21:07

Tgt Ion: 43 Resp: 525439

Ion Ratio Lower Upper

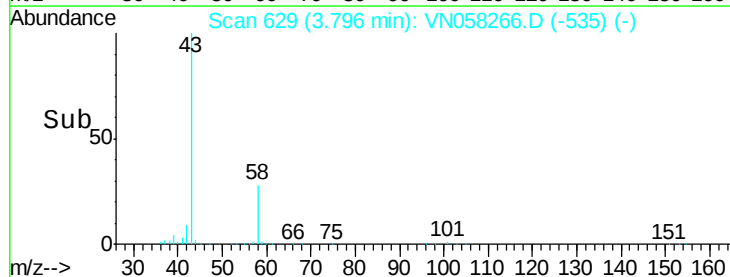
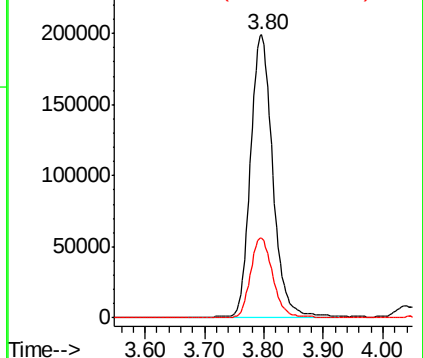
43 100

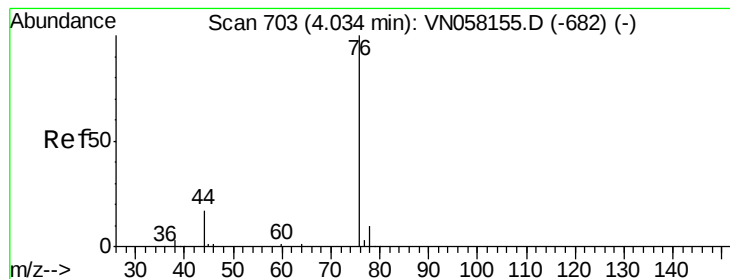
58 28.4 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.589 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

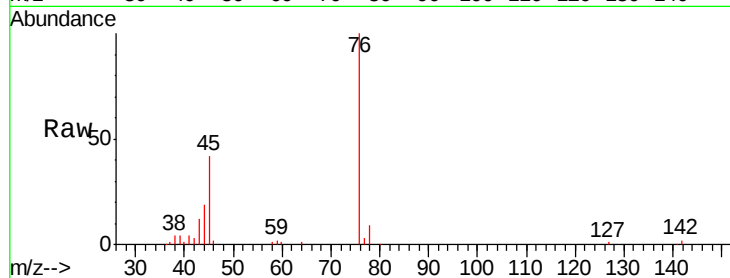
RE132D2-20190916MSD

Tgt Ion: 76 Resp: 180054

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

60000

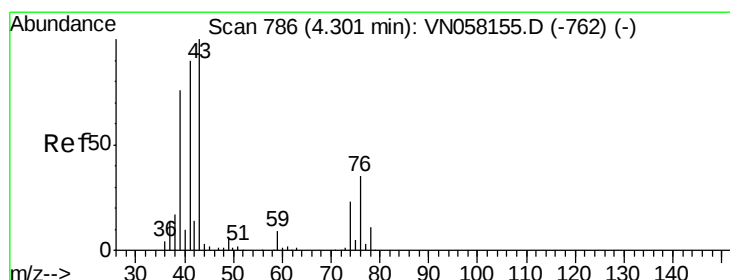
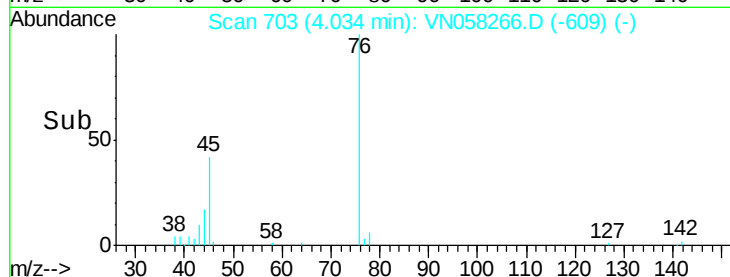
40000

20000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 53.002 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058266.D

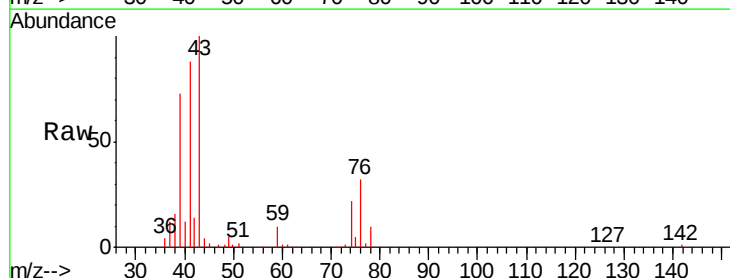
Acq: 20 Sep 2019 21:07

Tgt Ion: 43 Resp: 295201

Ion Ratio Lower Upper

43 100

74 22.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

120000

100000

80000

60000

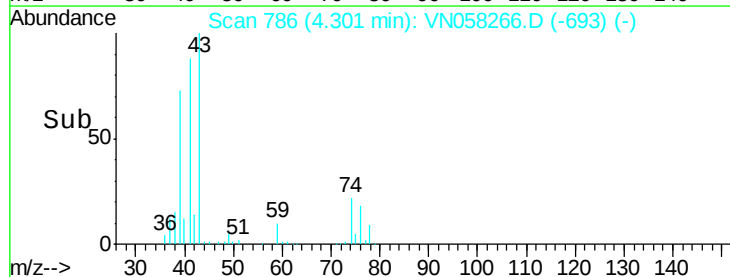
40000

20000

0

Time-->

4.20 4.30 4.40

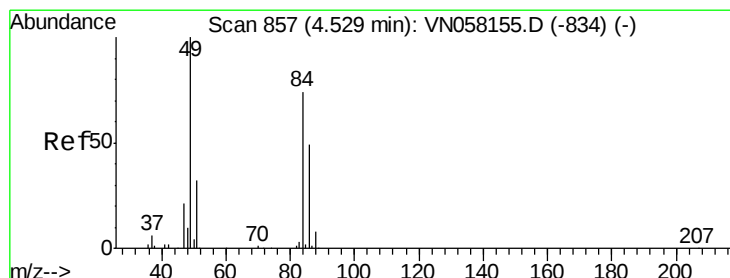
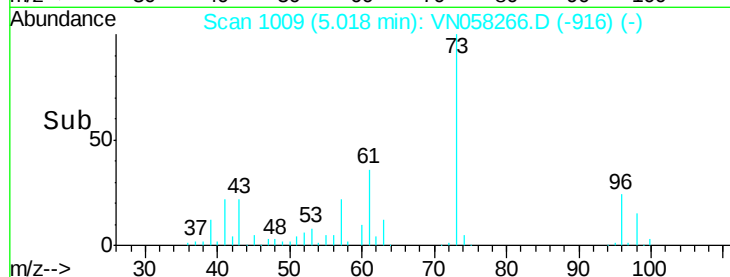
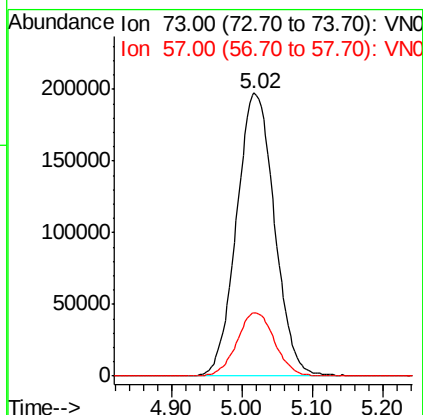
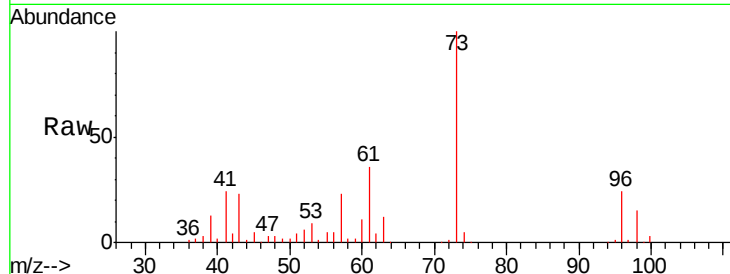




#19
Methyl tert-butyl Ether
Concen: 54.241 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

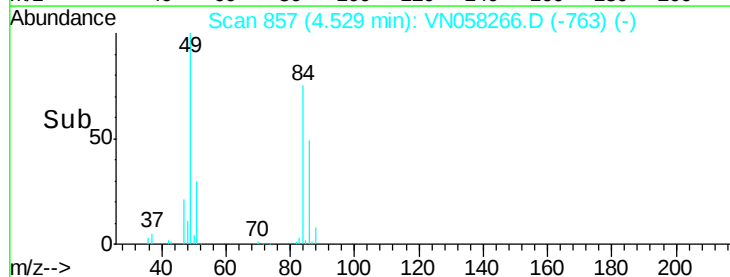
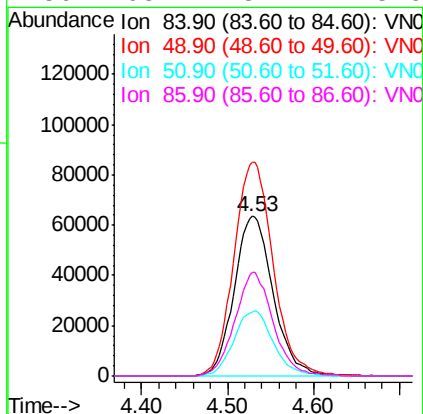
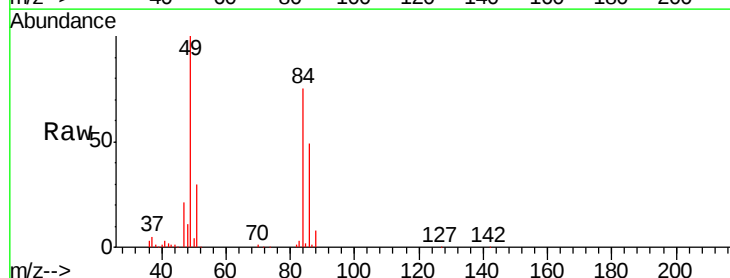
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

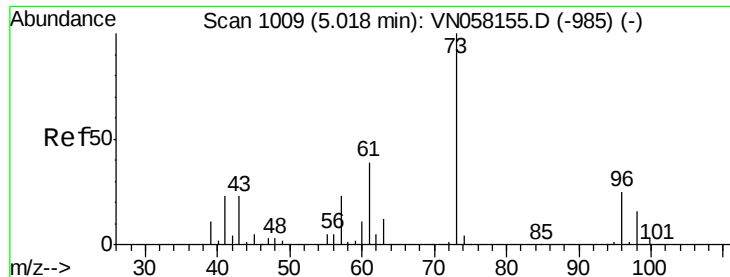
Tgt Ion: 73 Resp: 740462
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



#20
Methylene Chloride
Concen: 53.917 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion: 84 Resp: 199742
Ion Ratio Lower Upper
84 100
49 133.9 107.5 161.3
51 40.4 33.9 50.9
86 65.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.202 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

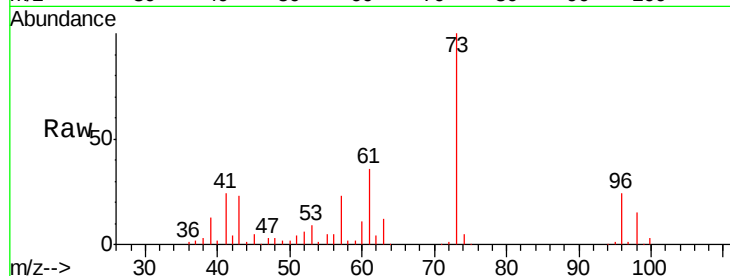
Tgt Ion: 96 Resp: 150252

Ion Ratio Lower Upper

96 100

61 153.3 122.2 183.4

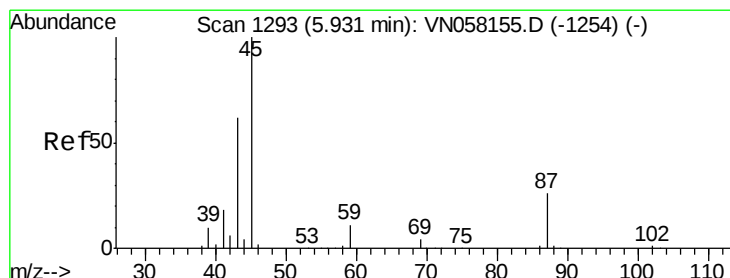
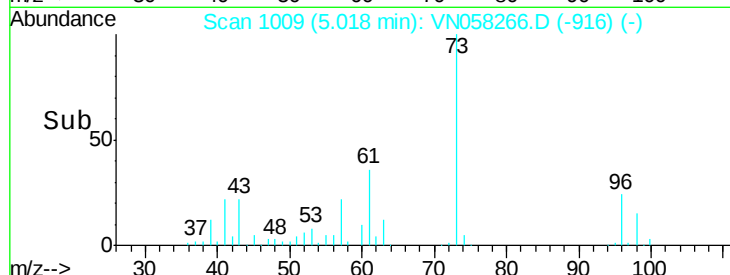
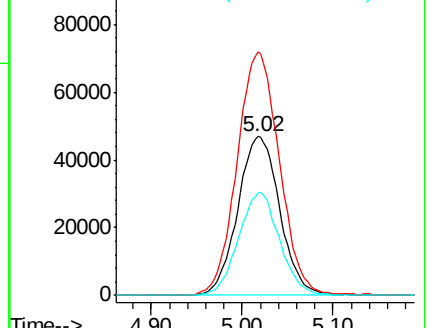
98 64.7 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN058266.D (-1200) (-)

Ion 60.90 (60.60 to 61.60): VN058266.D (-1200) (-)

Ion 97.90 (97.60 to 98.60): VN058266.D (-1200) (-)



#22

Diisopropyl ether

Concen: 53.903 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion: 45 Resp: 810937

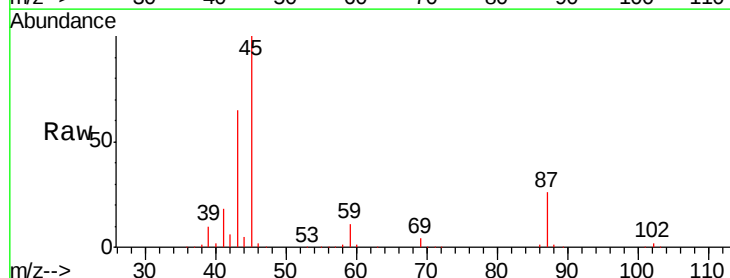
Ion Ratio Lower Upper

45 100

43 64.5 49.7 74.5

87 25.8 20.7 31.1

59 11.4 9.1 13.7

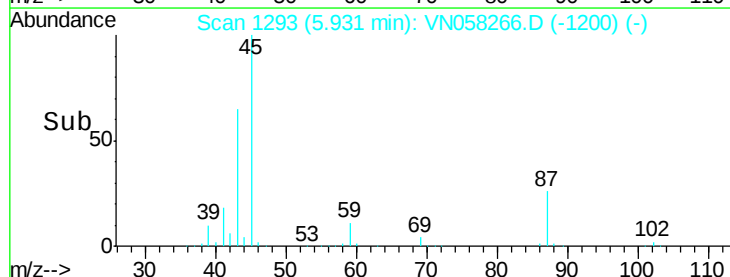
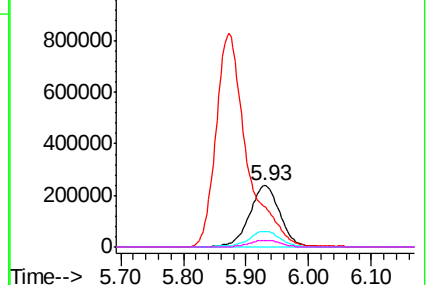


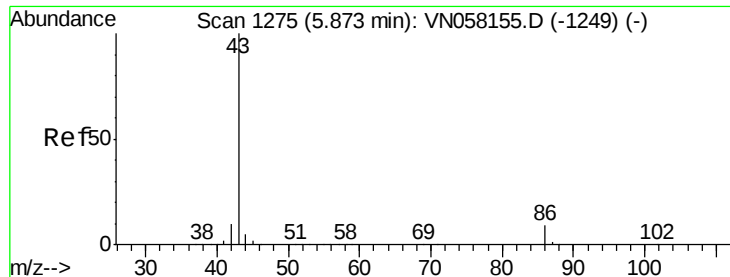
Abundance Ion 45.00 (44.70 to 45.70): VN058266.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058266.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058266.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058266.D (-1200) (-)

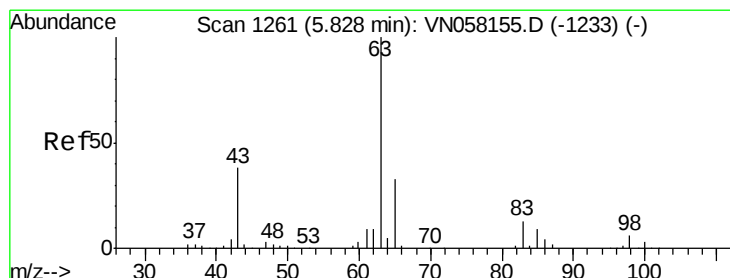
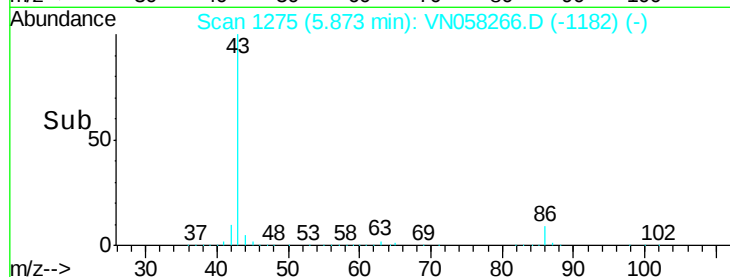
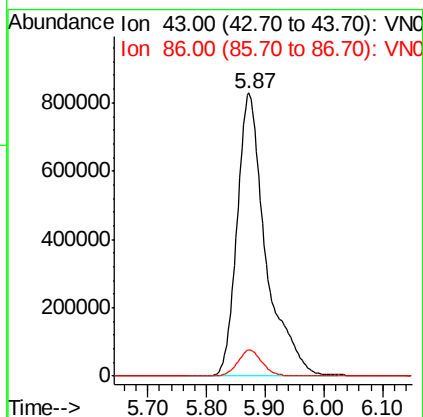
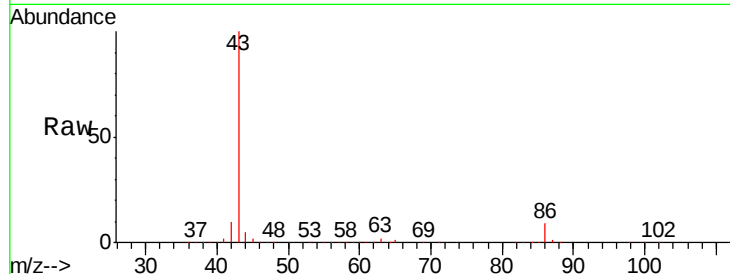




#23
 Vinyl Acetate
 Concen: 274.243 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

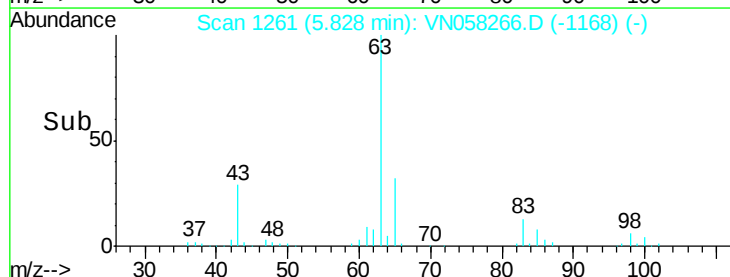
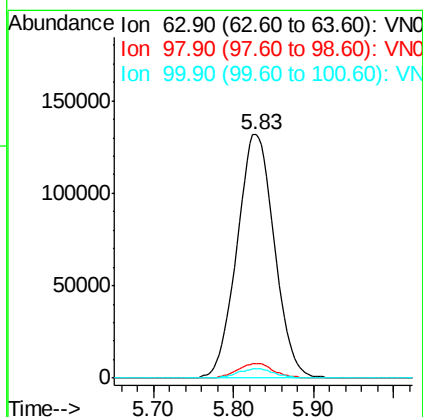
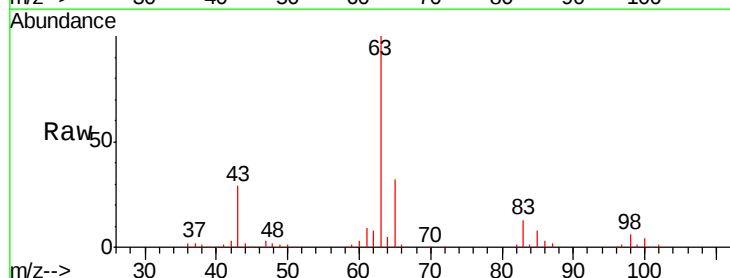
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

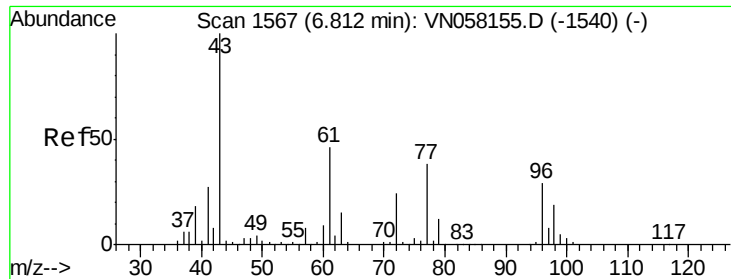
Tgt Ion: 43 Resp: 2823144
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 51.933 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 63 Resp: 417001
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 4.0 1.8 5.3





#25

2-Butanone

Concen: 285.014 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

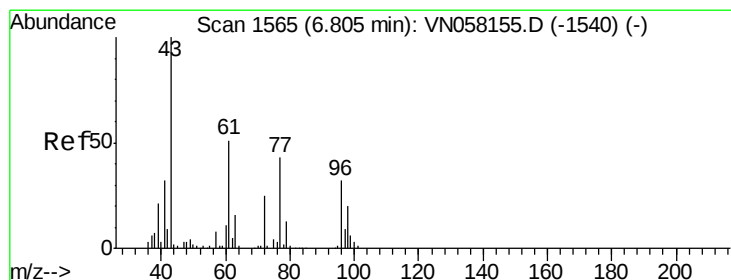
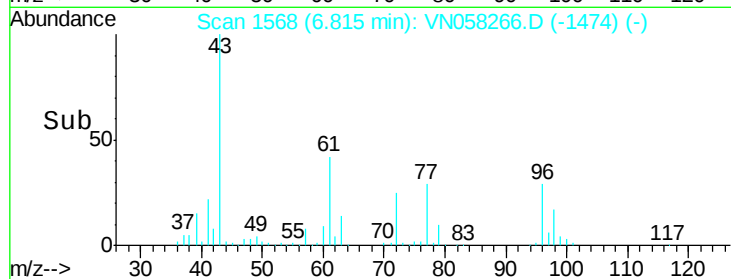
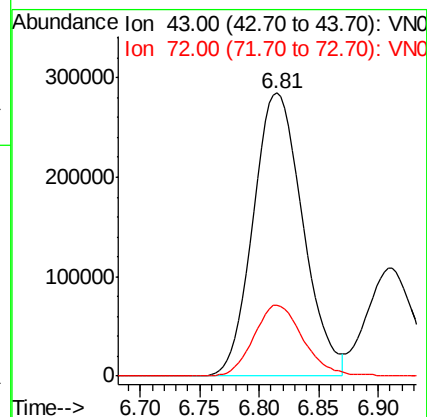
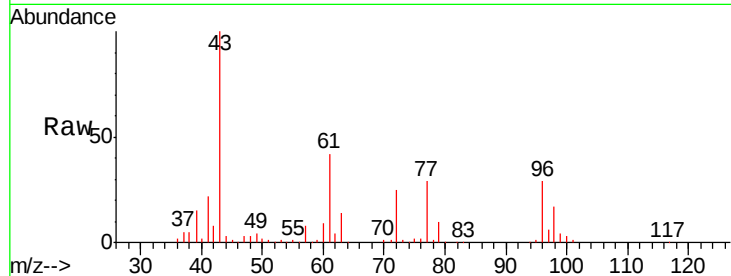
RE132D2-20190916MSD

Tgt Ion: 43 Resp: 821891

Ion Ratio Lower Upper

43 100

72 25.2 19.5 29.3



#26

2,2-Dichloropropane

Concen: 42.364 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058266.D

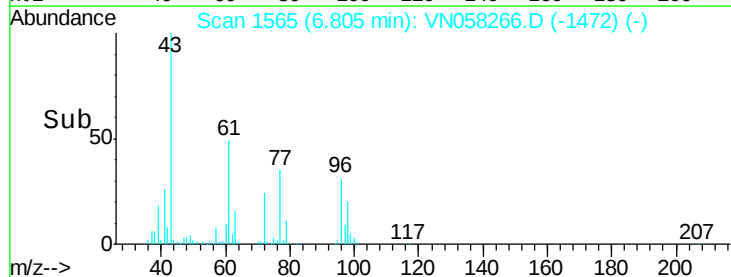
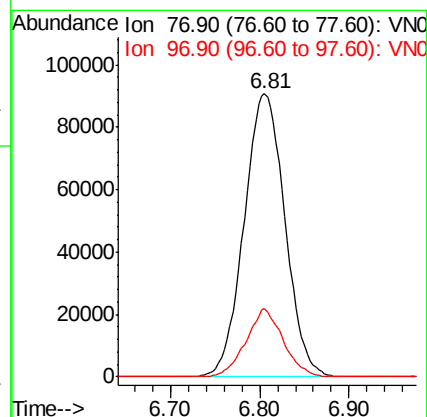
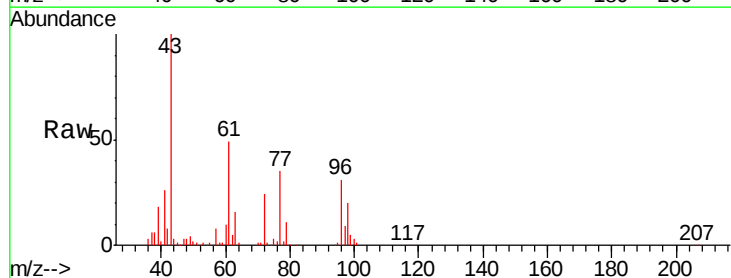
Acq: 20 Sep 2019 21:07

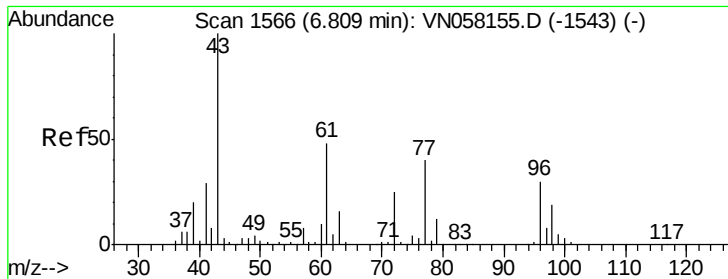
Tgt Ion: 77 Resp: 288580

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 52.106 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

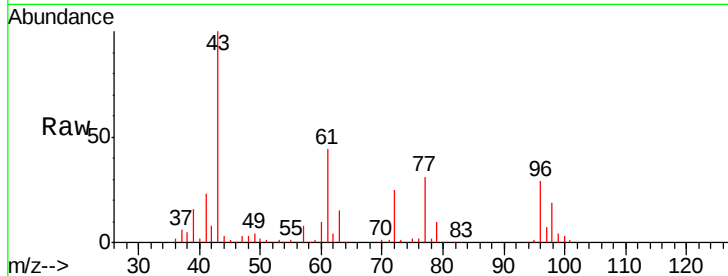
Tgt Ion: 96 Resp: 236568

Ion Ratio Lower Upper

96 100

61 158.2 0.0 319.0

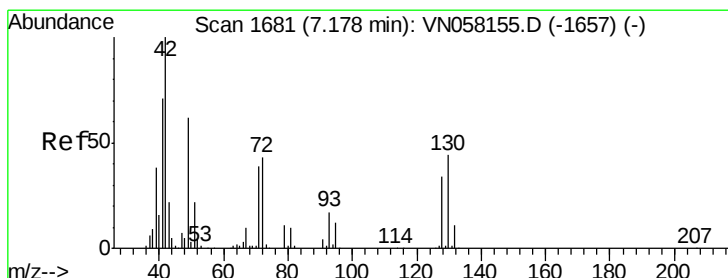
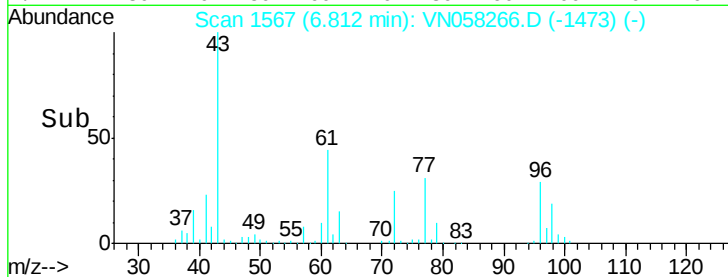
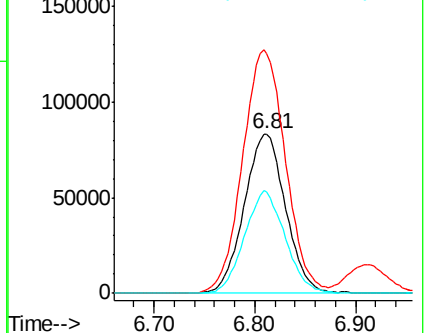
98 63.1 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 56.790 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

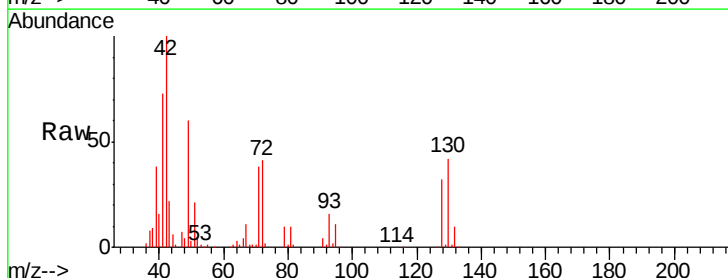
Tgt Ion: 49 Resp: 215715

Ion Ratio Lower Upper

49 100

129 1.8 0.0 1.8

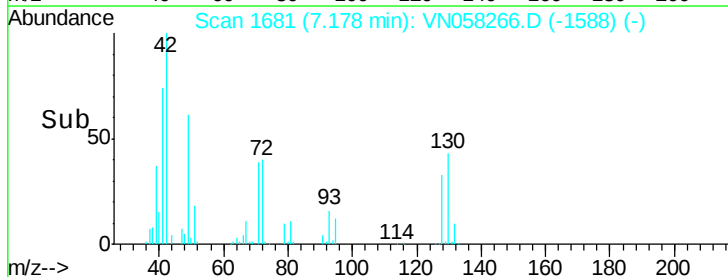
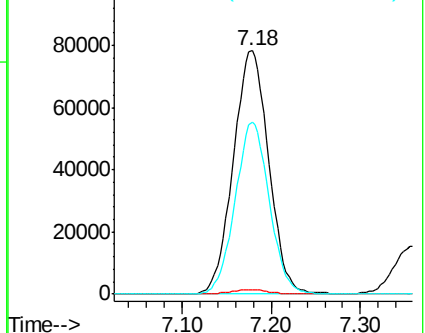
130 68.2 55.4 83.2

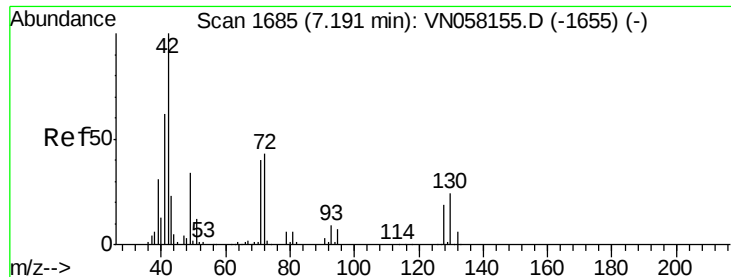


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

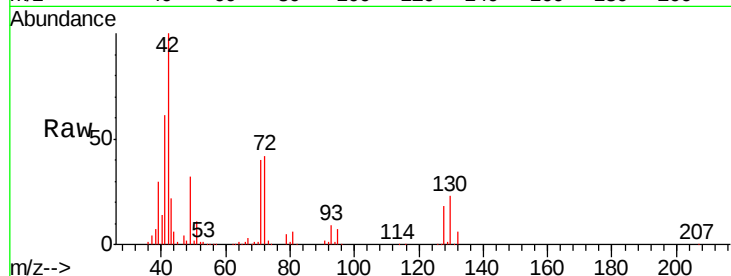




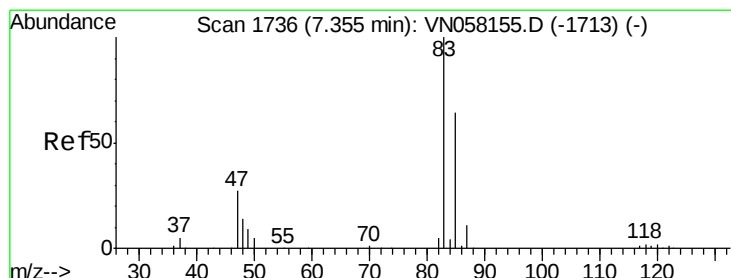
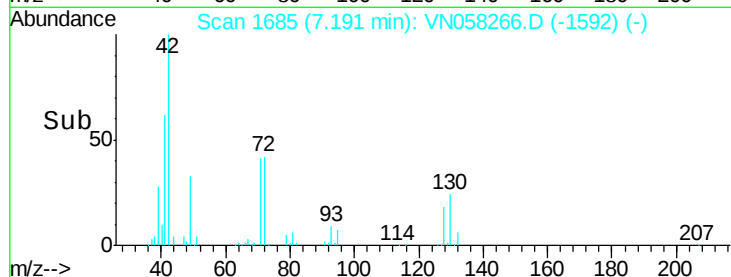
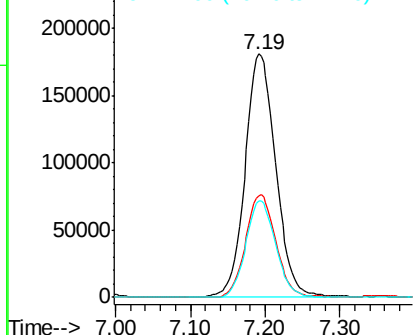
#29
Tetrahydrofuran
Concen: 289.134 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion: 42 Resp: 513581
Ion Ratio Lower Upper
42 100
72 42.0 33.8 50.6
71 38.8 31.4 47.0

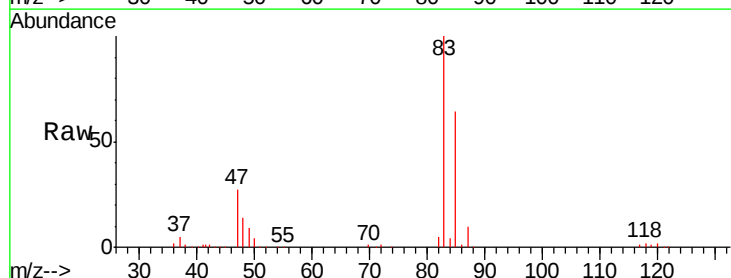


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

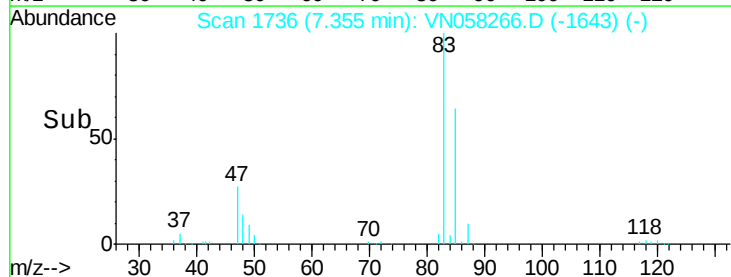
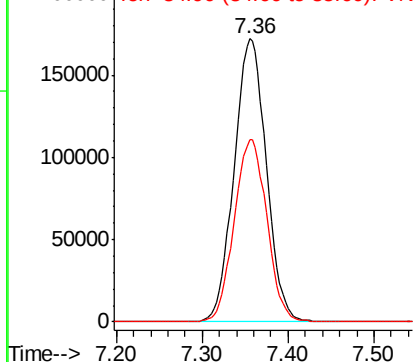


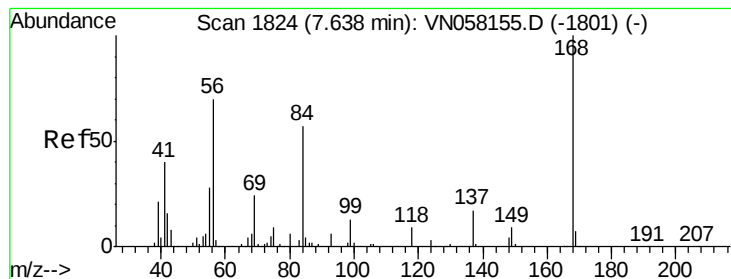
#30
Chloroform
Concen: 51.793 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion: 83 Resp: 447652
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2



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





#31

Cyclohexane

Concen: 50.454 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

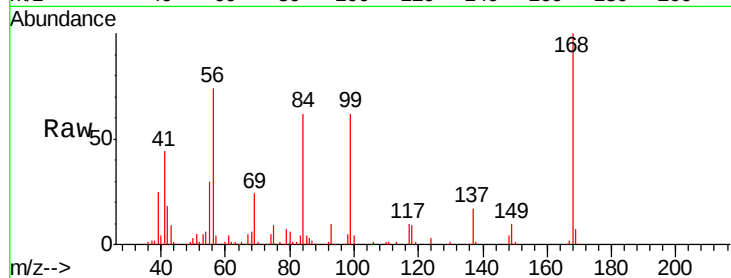
Tgt Ion: 56 Resp: 261756

Ion Ratio Lower Upper

56 100

69 32.8 27.3 40.9

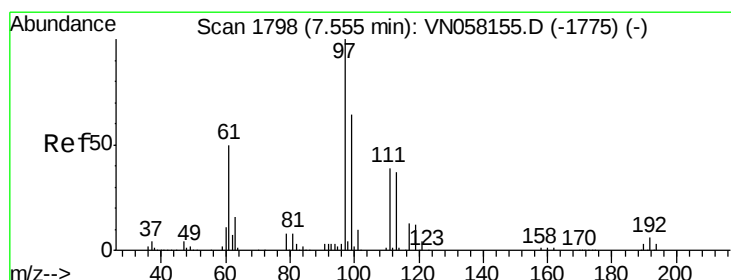
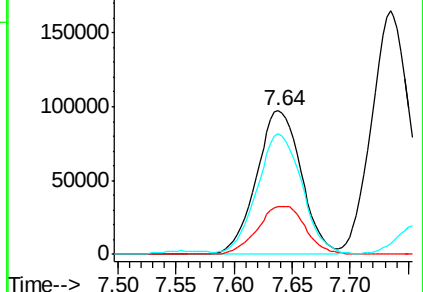
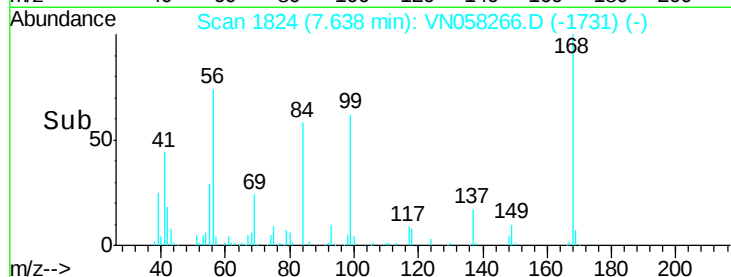
84 81.2 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN058266.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN058266.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN058266.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 53.533 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

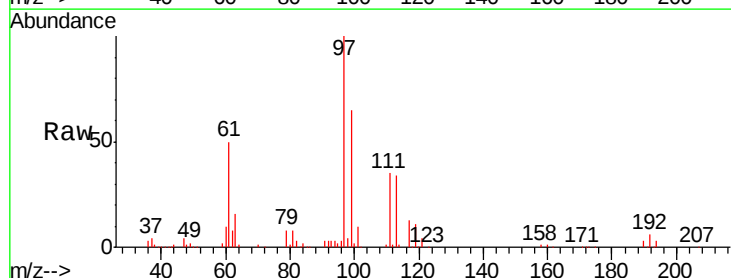
Tgt Ion: 97 Resp: 352235

Ion Ratio Lower Upper

97 100

99 63.3 50.9 76.3

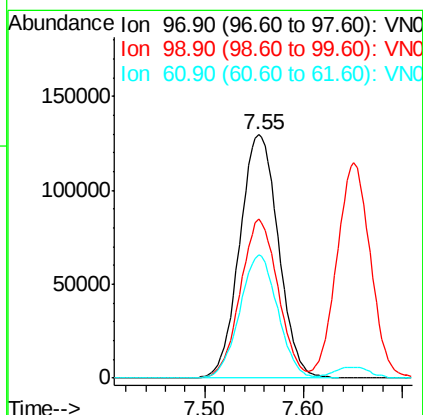
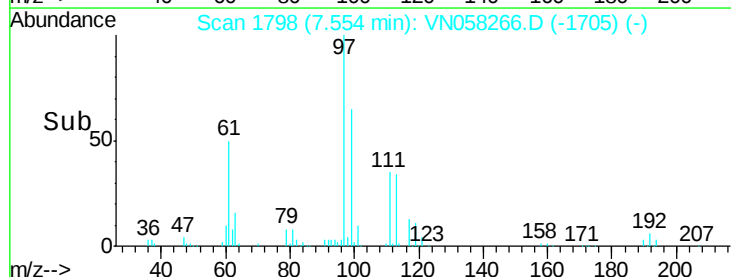
61 49.5 39.2 58.8

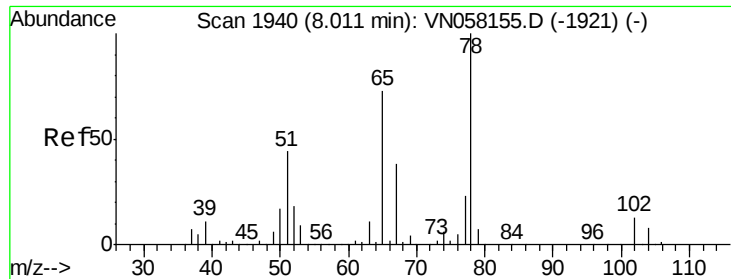


Abundance Ion 96.90 (96.60 to 97.60): VN058266.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058266.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058266.D (-1705) (-)

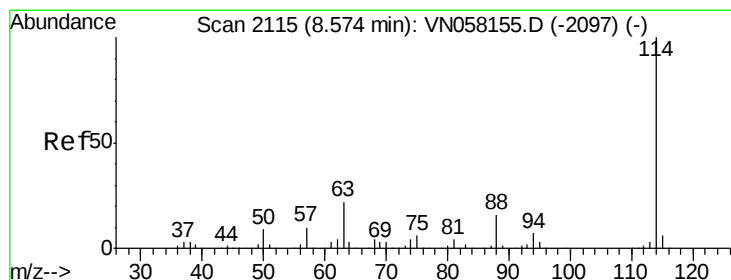
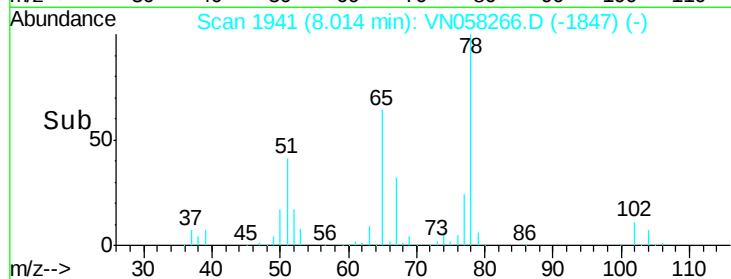
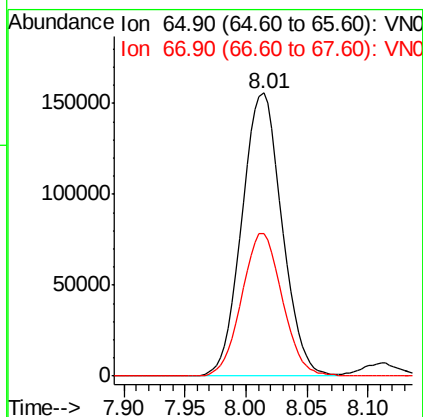
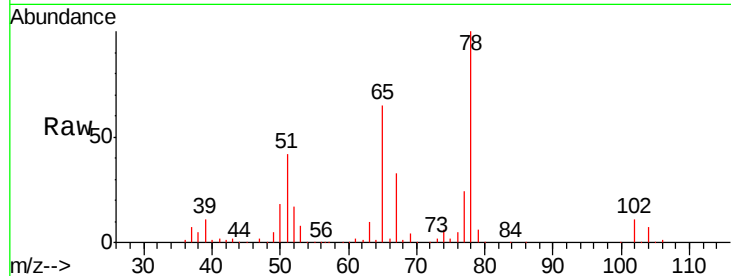




#33
 1,2-Dichloroethane-d4
 Concen: 56.939 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

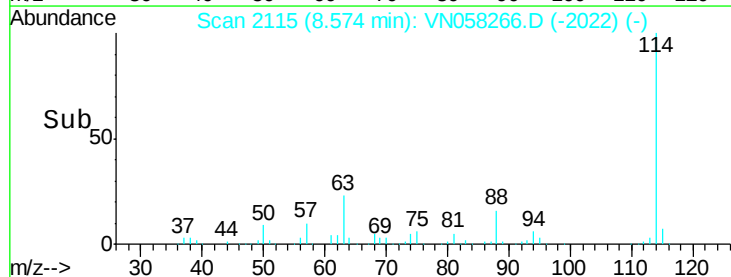
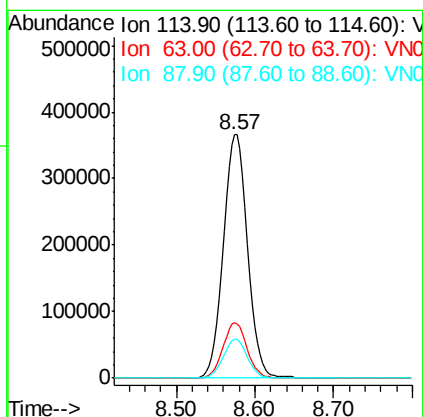
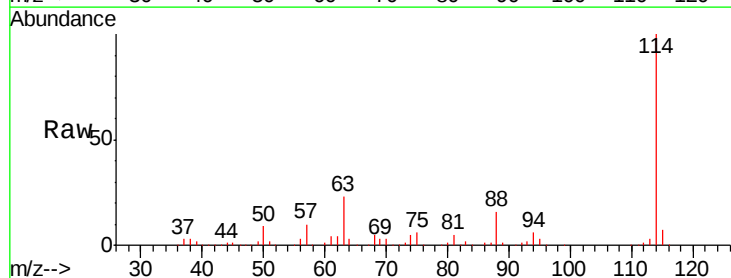
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

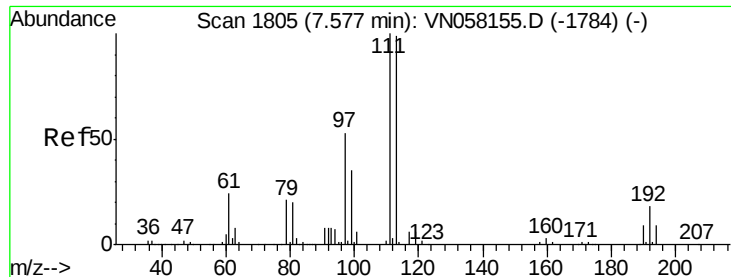
Tgt Ion: 65 Resp: 355053
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 114 Resp: 774793
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.2
 88 15.9 0.0 31.6

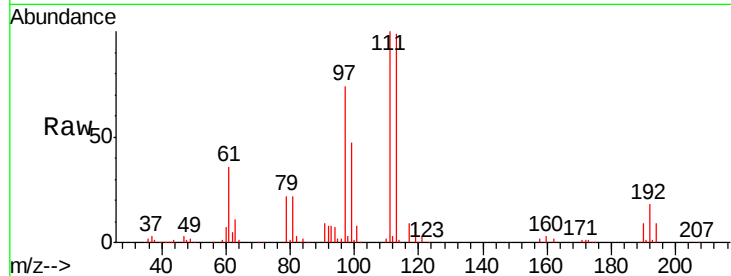




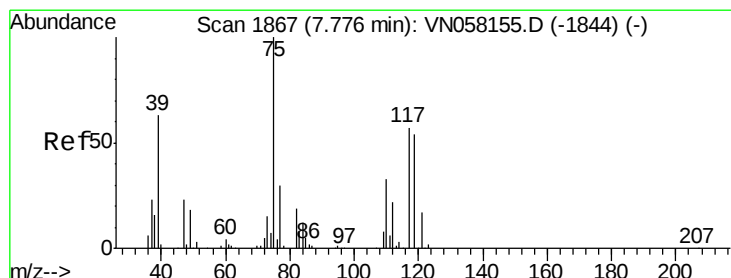
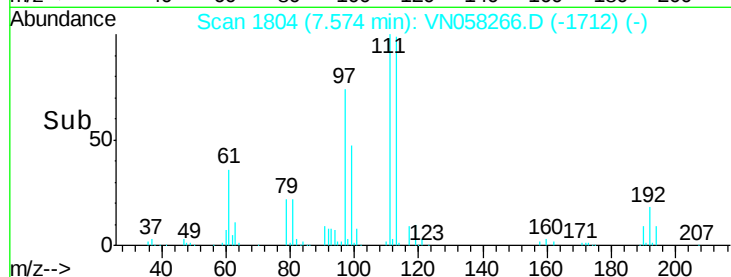
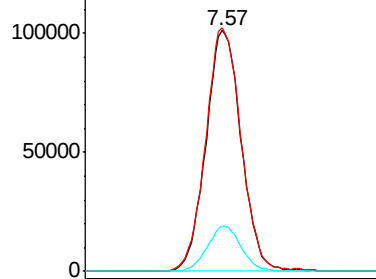
#35
 Dibromofluoromethane
 Concen: 54.354 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	256015		
111	101.6	81.8	122.6	
192	18.1	14.5	21.7	

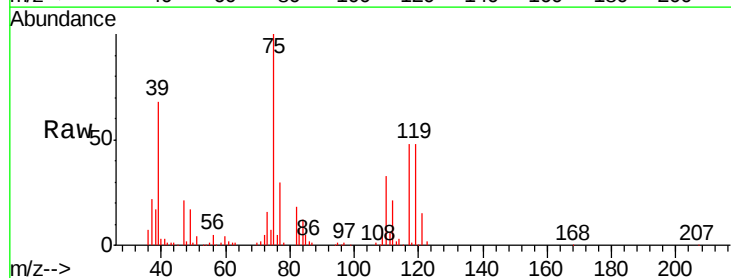


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

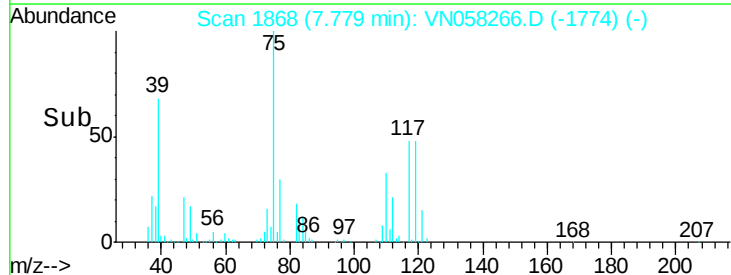
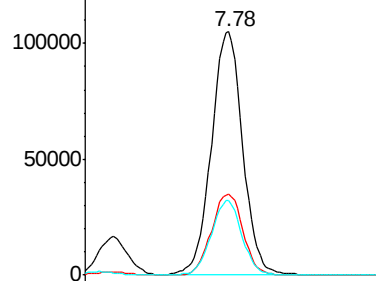


#36
 1,1-Dichloropropene
 Concen: 45.461 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254010		
110	33.9	16.6	49.7	
77	30.4	24.3	36.5	



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





#37

Ethyl Acetate

Concen: 52.989 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

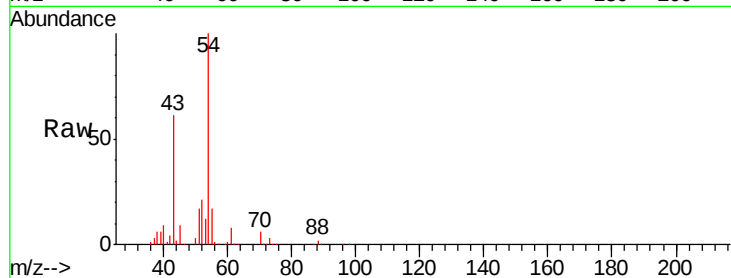
Tgt Ion: 43 Resp: 307259

Ion Ratio Lower Upper

43 100

61 13.8 10.7 16.1

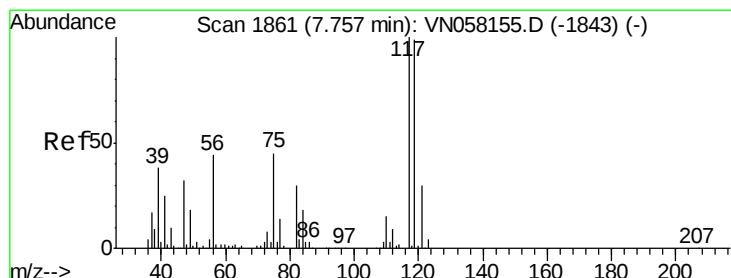
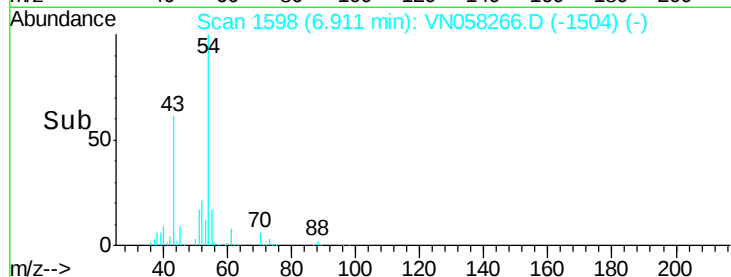
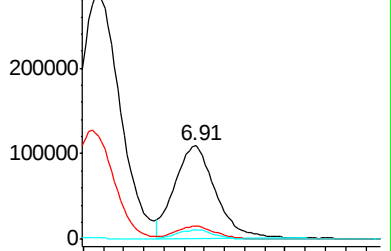
70 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1585) (-)

Ion 60.90 (60.60 to 61.60): VN058155.D (-1585) (-)

Ion 70.00 (69.70 to 70.70): VN058155.D (-1585) (-)



#38

Carbon Tetrachloride

Concen: 48.729 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

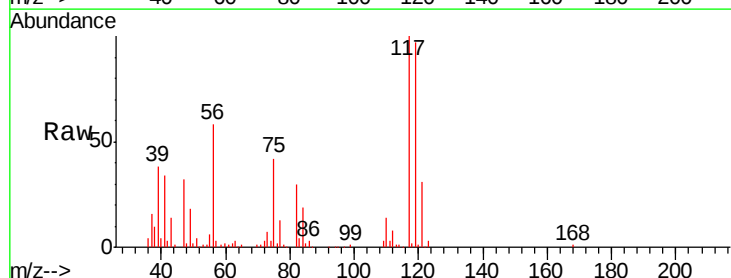
Tgt Ion: 117 Resp: 273692

Ion Ratio Lower Upper

117 100

119 96.5 78.6 117.8

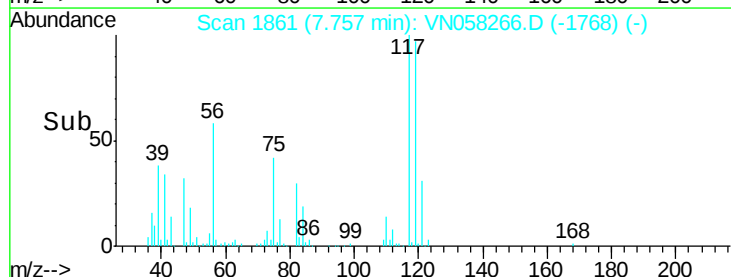
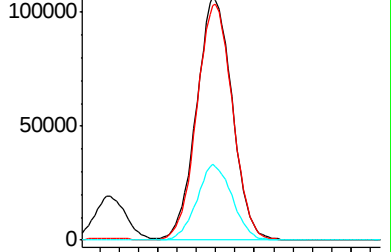
121 31.2 24.1 36.1

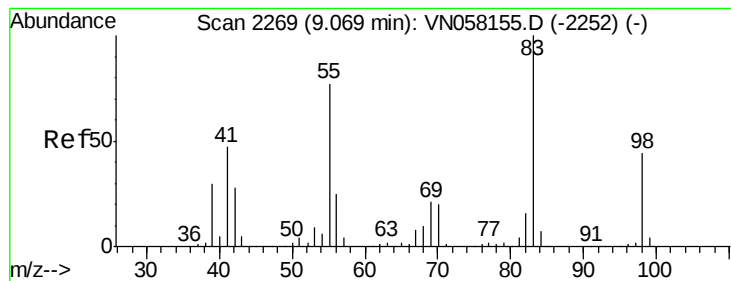


Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN058155.D (-1843) (-)

Ion 120.80 (120.50 to 121.50): VN058155.D (-1843) (-)





#39

Methylcyclohexane

Concen: 47.331 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

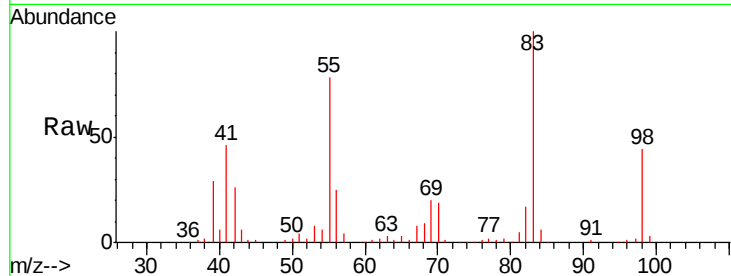
Tgt Ion: 83 Resp: 255675

Ion Ratio Lower Upper

83 100

55 77.8 61.9 92.9

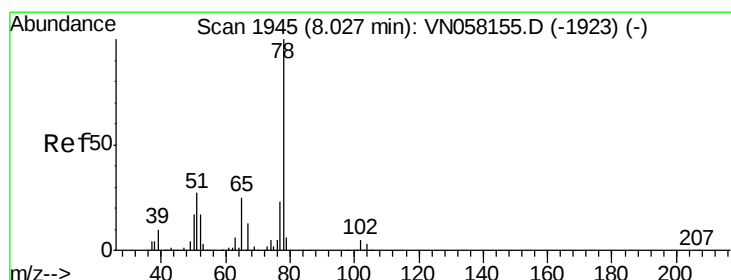
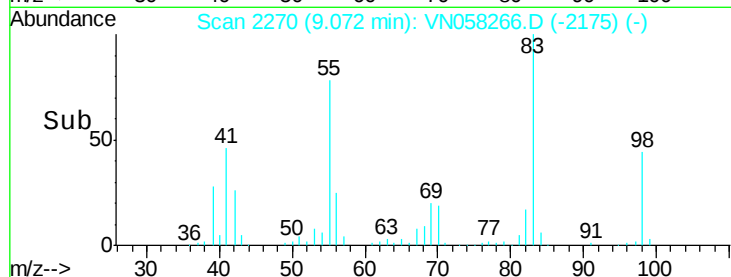
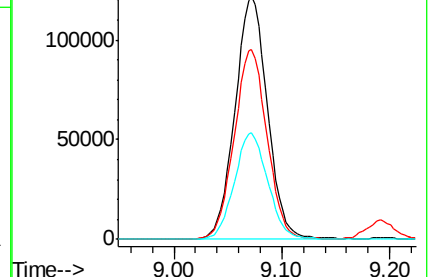
98 43.6 35.4 53.2



Abundance Ion 83.00 (82.70 to 83.70): VN058155.D (-2252) (-)

Ion 55.00 (54.70 to 55.70): VN058155.D (-2252) (-)

Ion 98.00 (97.70 to 98.70): VN058155.D (-2252) (-)



#40

Benzene

Concen: 49.361 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058266.D

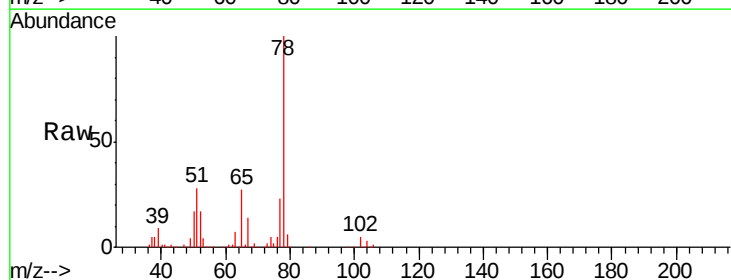
Acq: 20 Sep 2019 21:07

Tgt Ion: 78 Resp: 842392

Ion Ratio Lower Upper

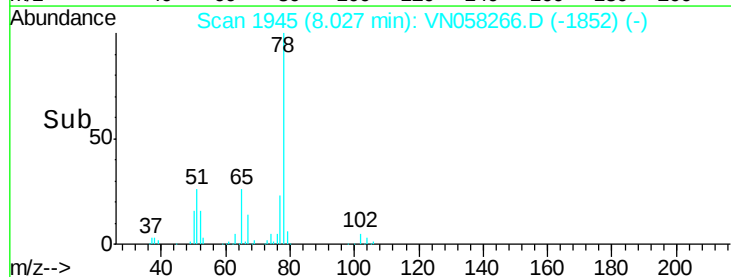
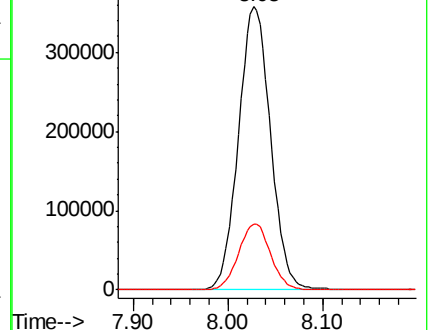
78 100

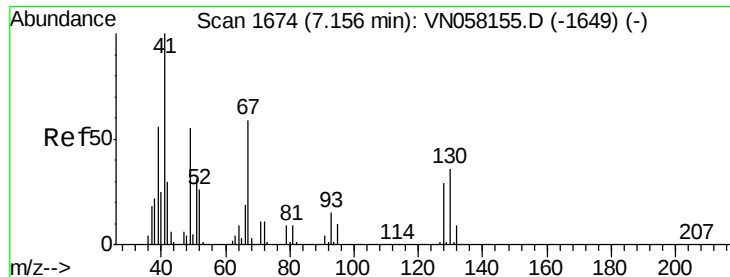
77 23.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN058155.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-1923) (-)

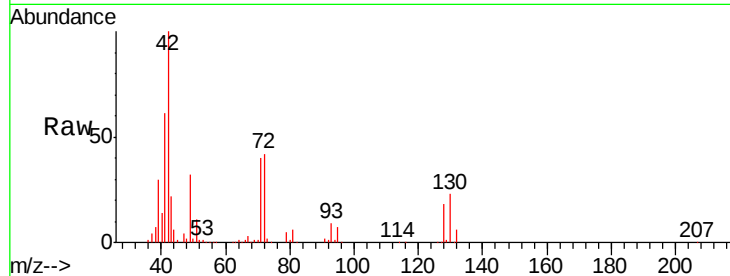




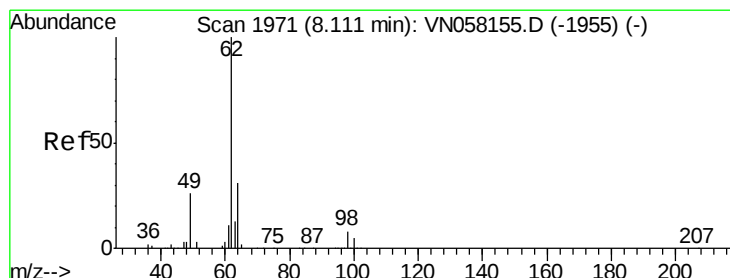
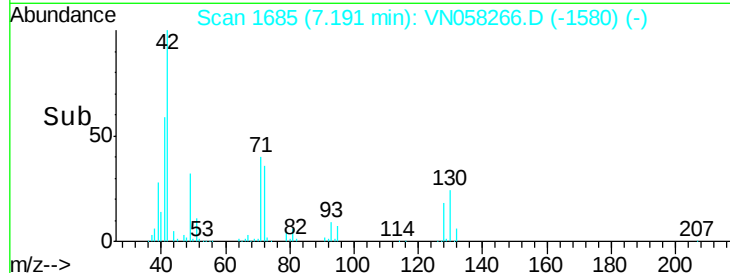
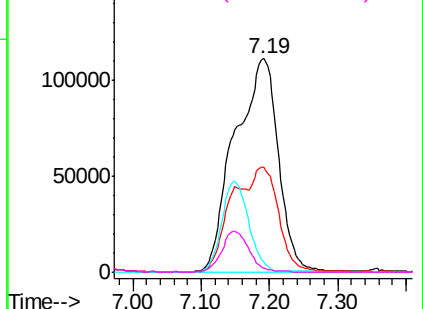
#41
Methacrylonitrile
Concen: 166.925 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:	41	Resp:	493950
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

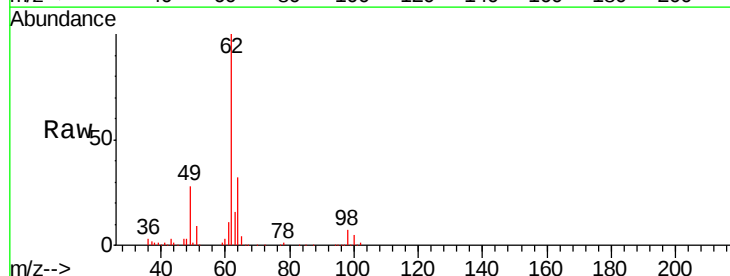


Abundance Ion 41.00 (40.70 to 41.70): VN0

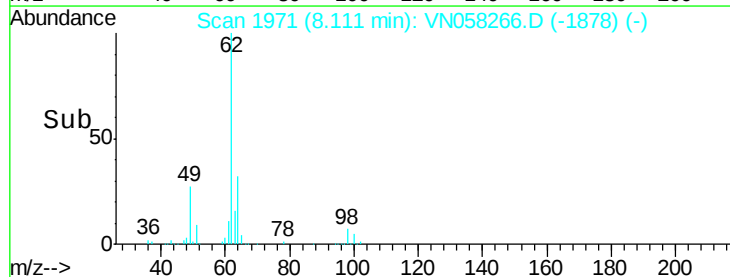
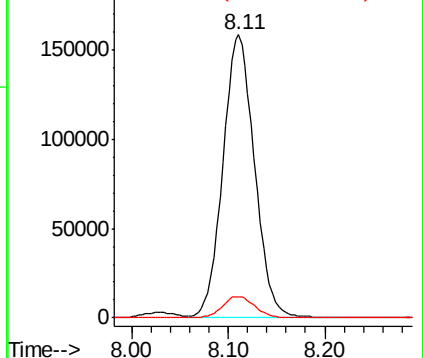


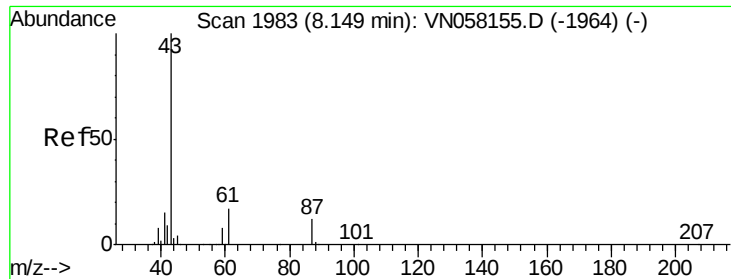
#42
1,2-Dichloroethane
Concen: 49.923 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion:	62	Resp:	357499
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

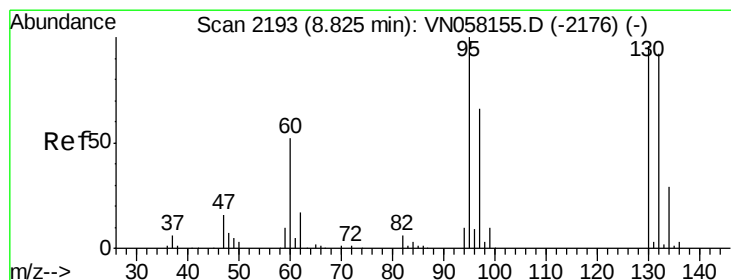
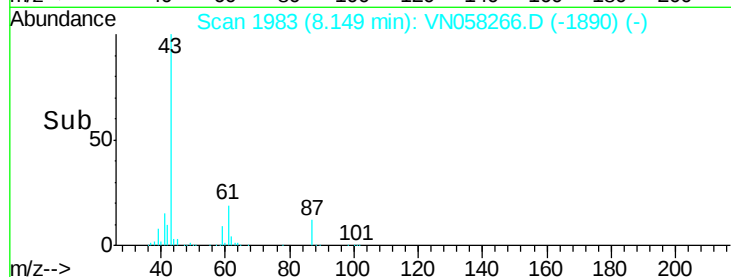
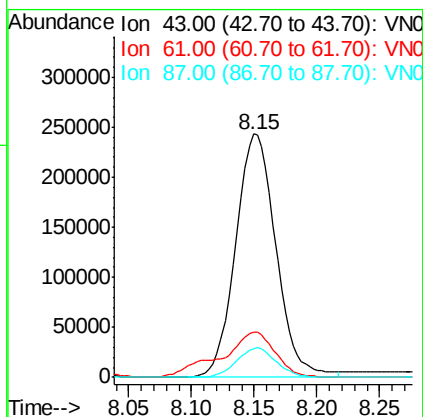
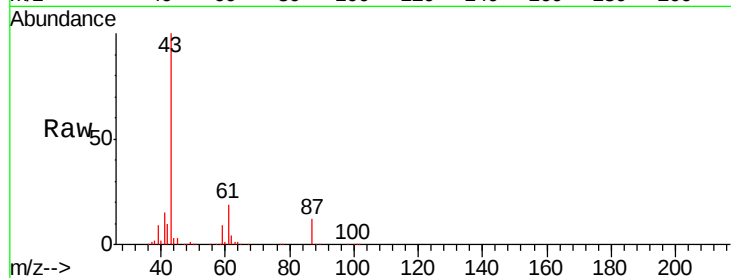




#43
Isopropyl Acetate
Concen: 49.948 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

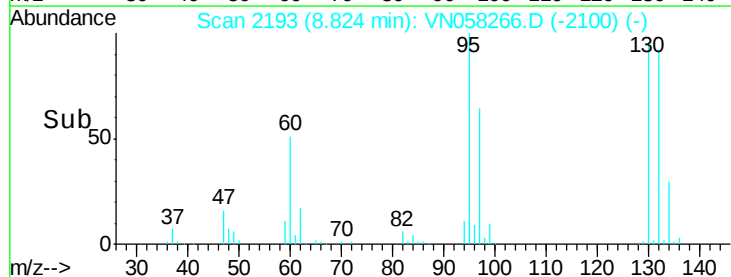
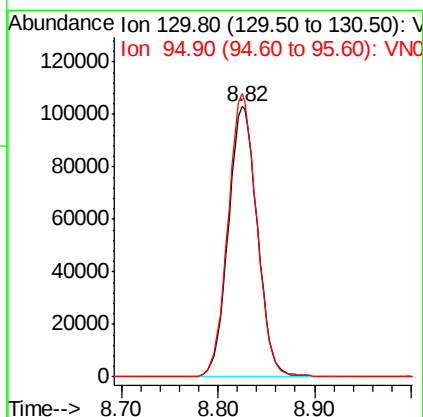
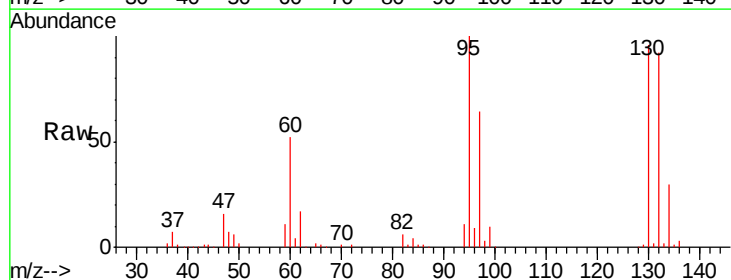
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

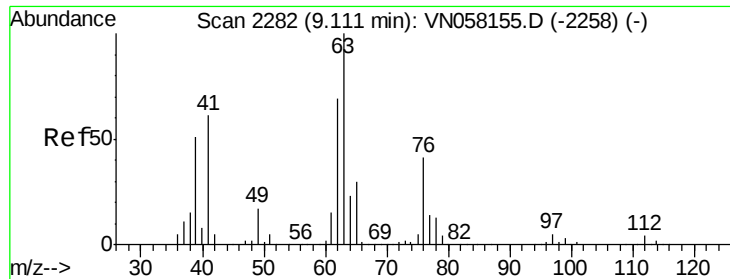
Tgt Ion: 43 Resp: 540909
Ion Ratio Lower Upper
43 100
61 25.0 19.7 29.5
87 12.0 9.4 14.2



#44
Trichloroethene
Concen: 51.436 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion: 130 Resp: 214808
Ion Ratio Lower Upper
130 100
95 104.7 0.0 207.8

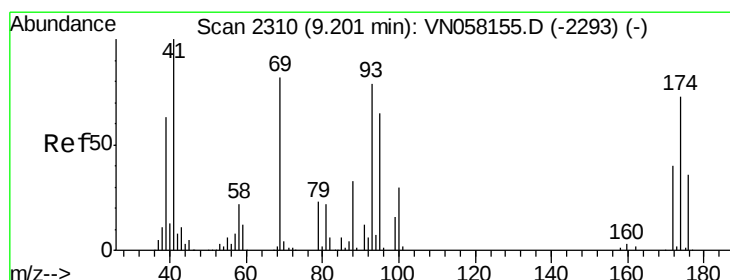
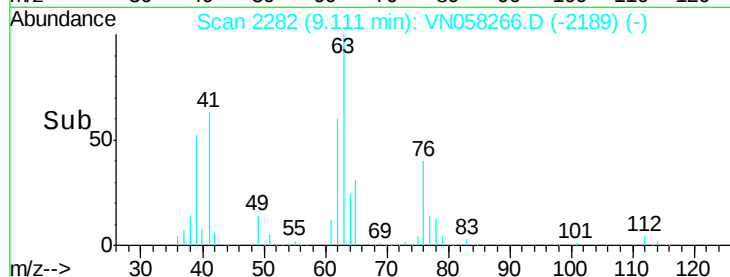
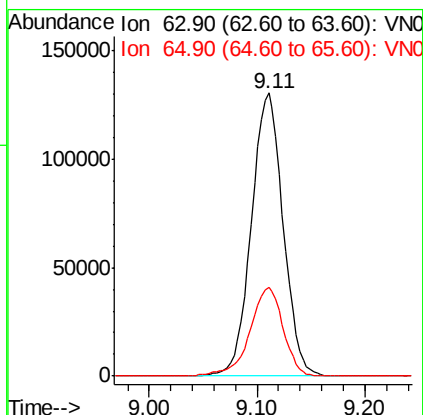
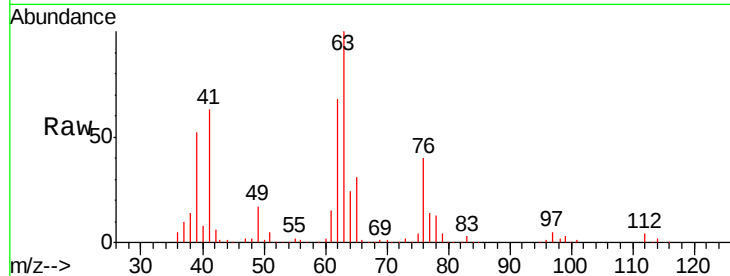




#45
 1,2-Dichloropropane
 Concen: 52.323 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

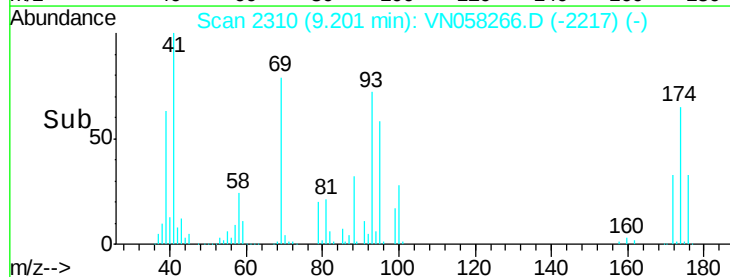
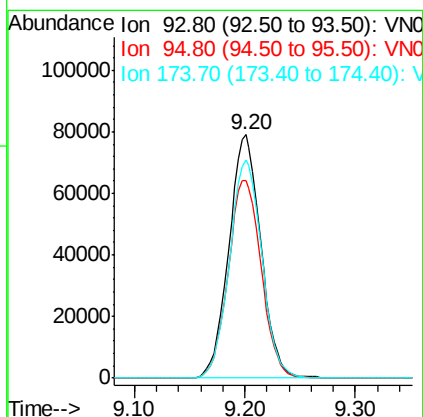
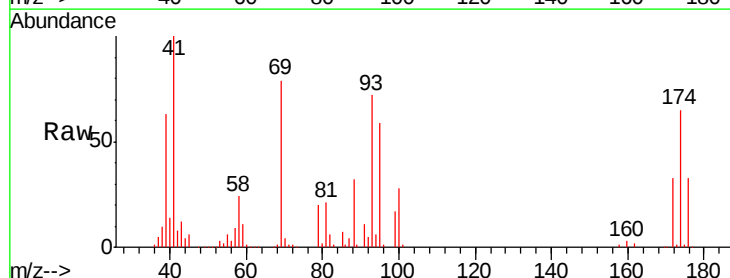
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tgt Ion: 63 Resp: 266665
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6



#46
 Dibromomethane
 Concen: 51.093 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 93 Resp: 158315
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 90.7 73.8 110.8





#47

Bromodichloromethane

Concen: 53.185 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

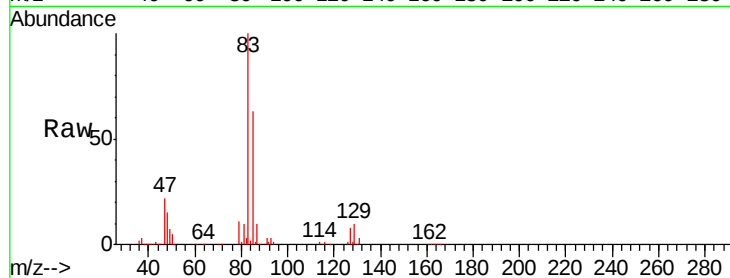
Tgt Ion: 83 Resp: 345249

Ion Ratio Lower Upper

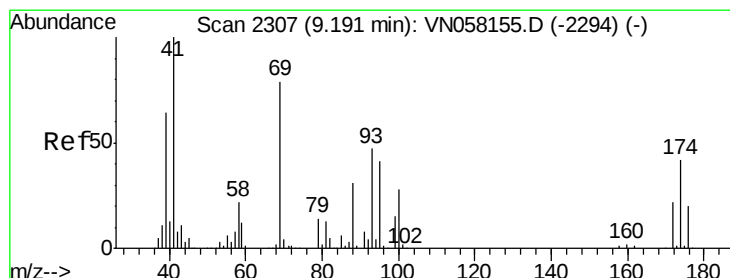
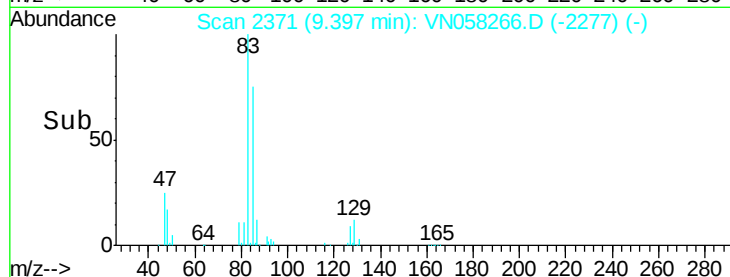
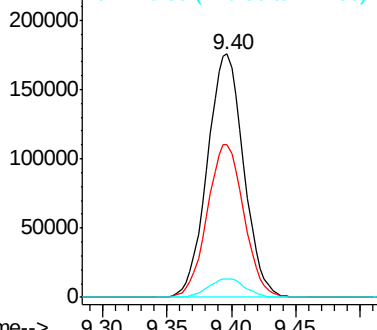
83 100

85 62.7 50.1 75.1

127 7.8 6.4 9.6



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



#48

Methyl methacrylate

Concen: 55.990 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

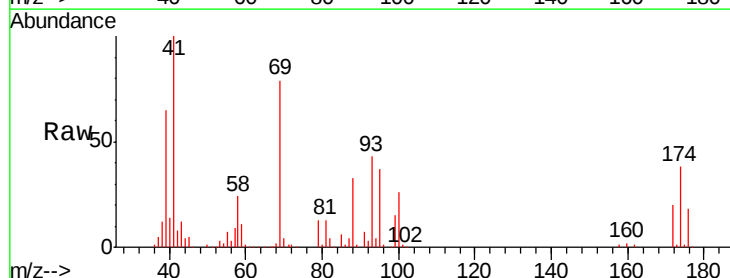
Tgt Ion: 41 Resp: 275302

Ion Ratio Lower Upper

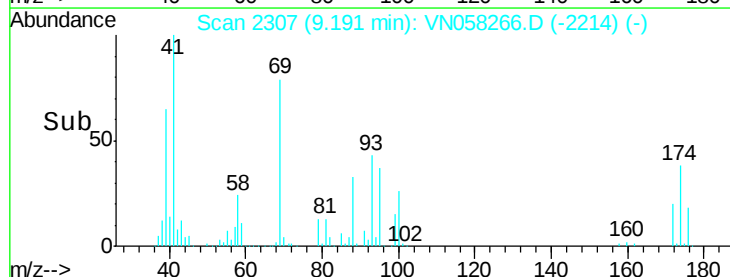
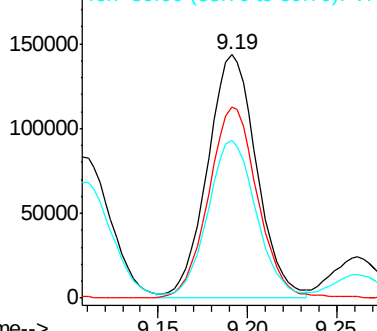
41 100

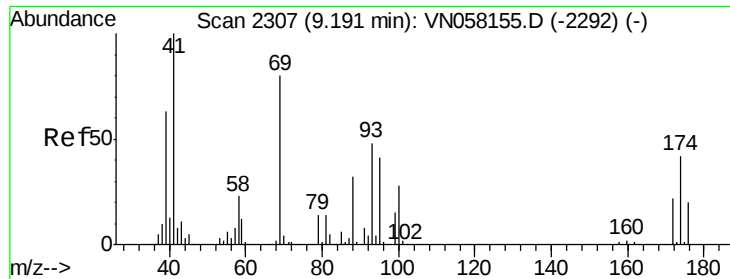
69 78.0 62.5 93.7

39 64.2 52.3 78.5



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

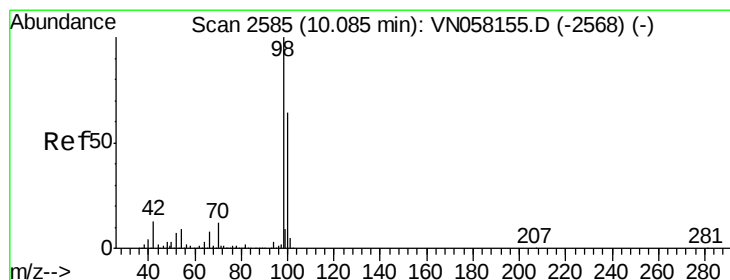
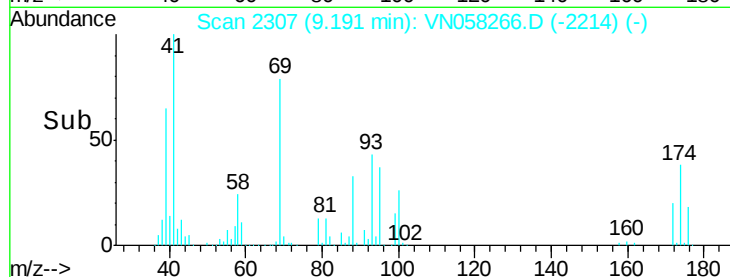
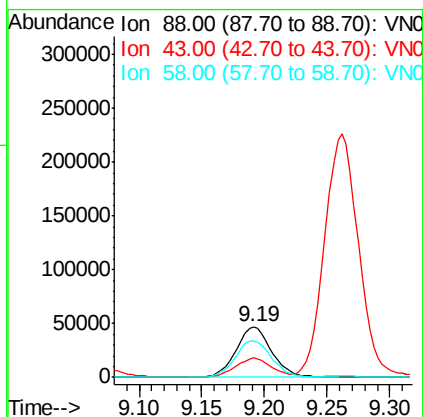
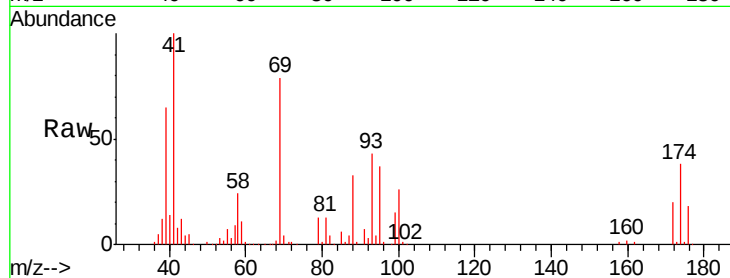




#49
 1,4-Dioxane
 Concen: 1148.086 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

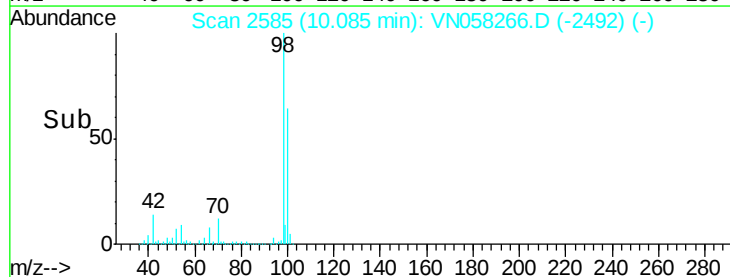
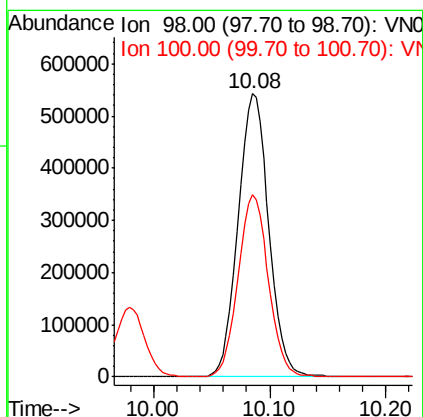
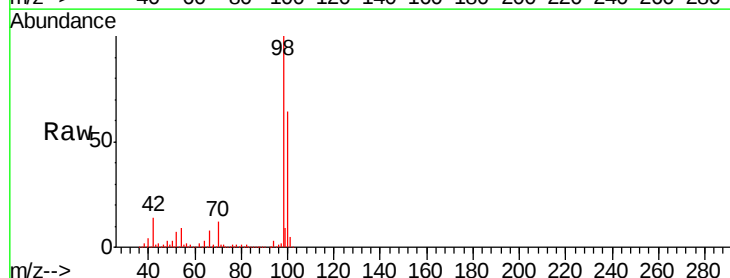
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tgt Ion: 88 Resp: 92682
 Ion Ratio Lower Upper
 88 100
 43 37.8 27.8 41.8
 58 74.1 55.0 82.4



#50
 Toluene-d8
 Concen: 54.341 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 98 Resp: 997248
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 310.605 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

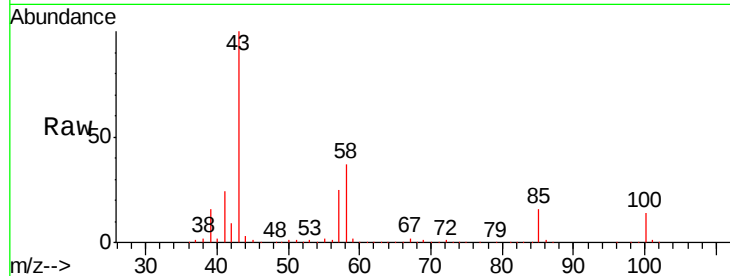
RE132D2-20190916MSD

Tgt Ion: 43 Resp: 1786618

Ion Ratio Lower Upper

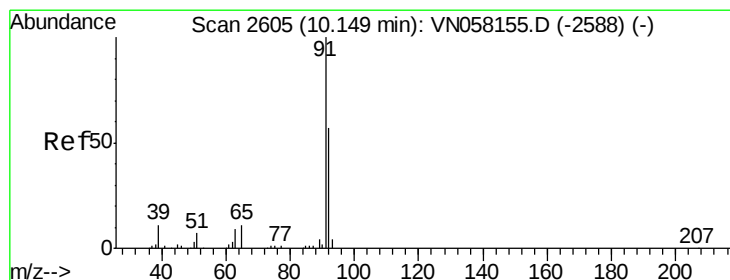
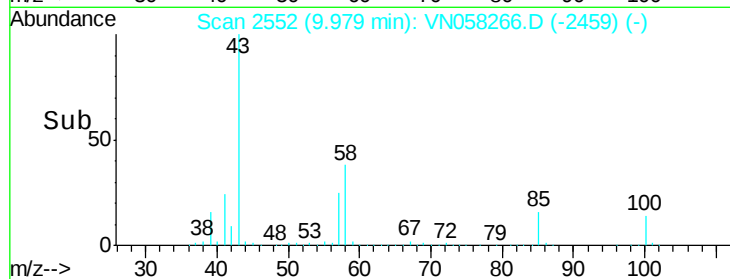
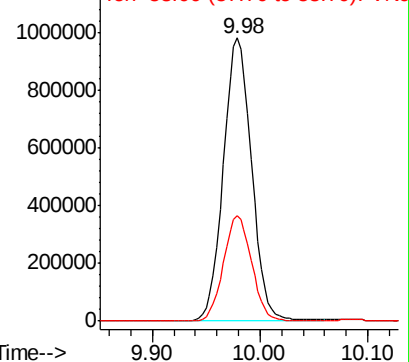
43 100

58 37.3 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.794 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058266.D

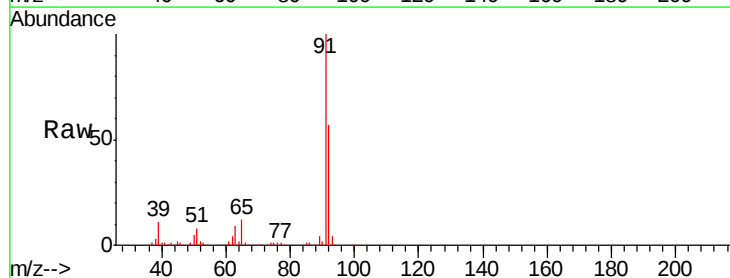
Acq: 20 Sep 2019 21:07

Tgt Ion: 92 Resp: 532560

Ion Ratio Lower Upper

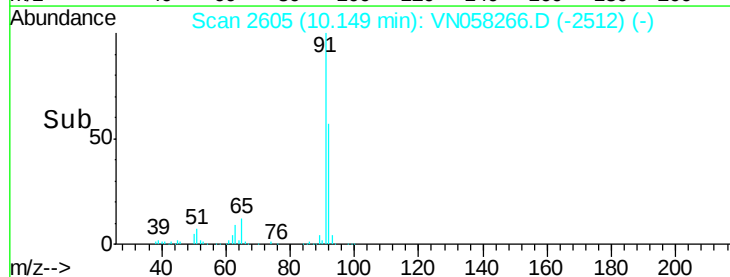
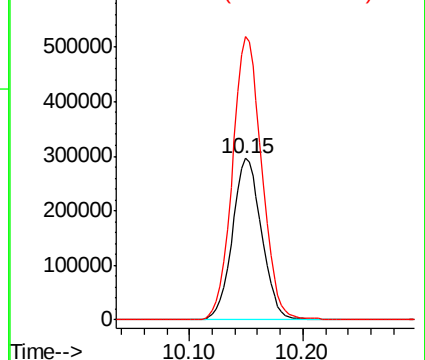
92 100

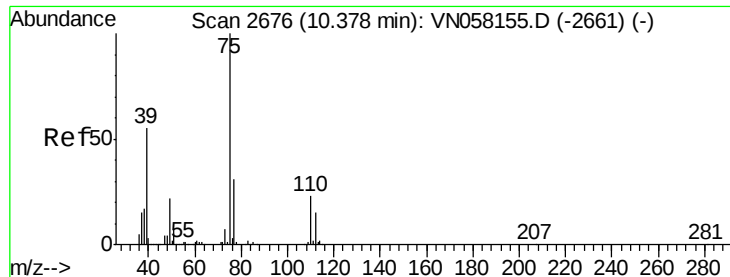
91 176.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.985 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

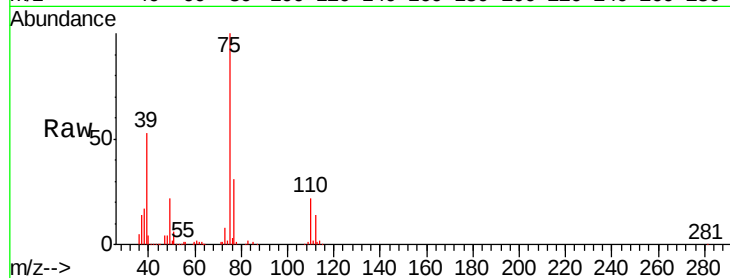
RE132D2-20190916MSD

Tgt Ion: 75 Resp: 352325

Ion Ratio Lower Upper

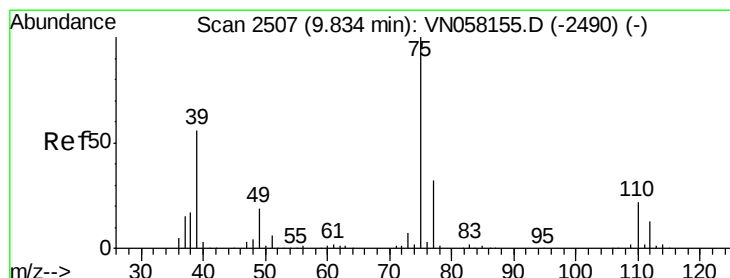
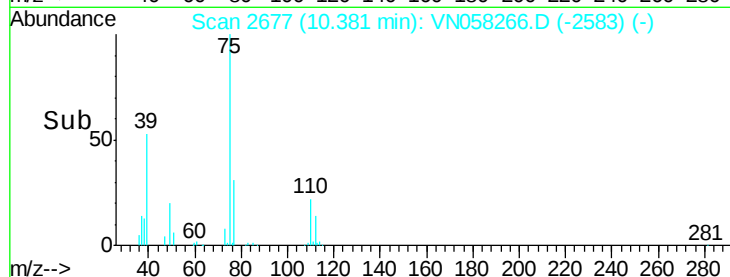
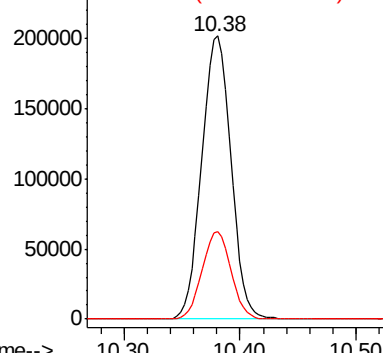
75 100

77 31.0 24.9 37.3



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: 50.933 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

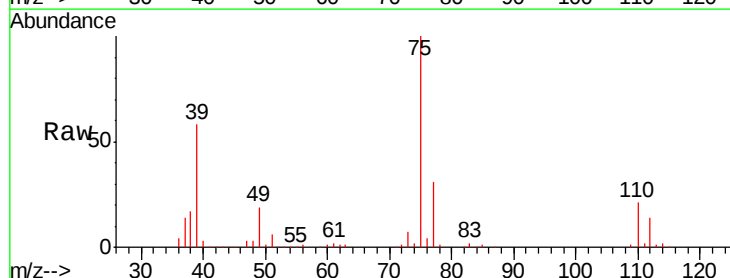
Tgt Ion: 75 Resp: 373927

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

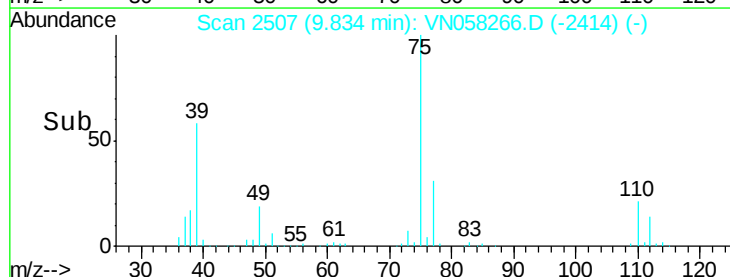
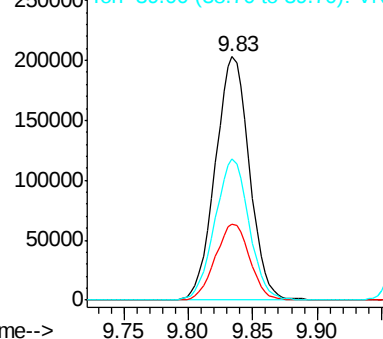
39 57.7 45.0 67.6

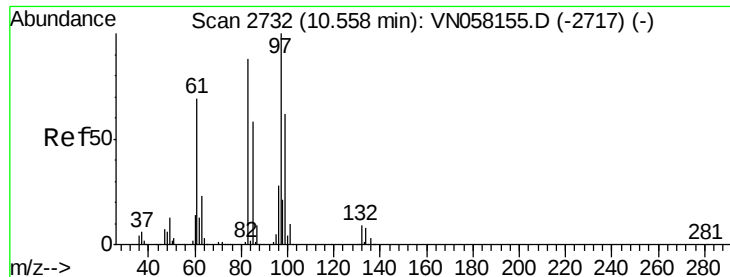


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 54.333 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tgt Ion: 97 Resp: 257882

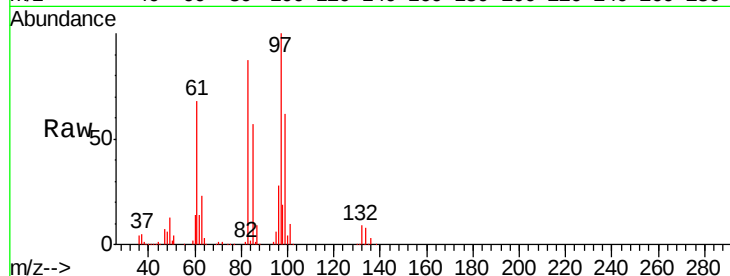
Ion Ratio Lower Upper

97 100

83 87.1 70.4 105.6

85 56.5 46.8 70.2

99 61.8 49.9 74.9

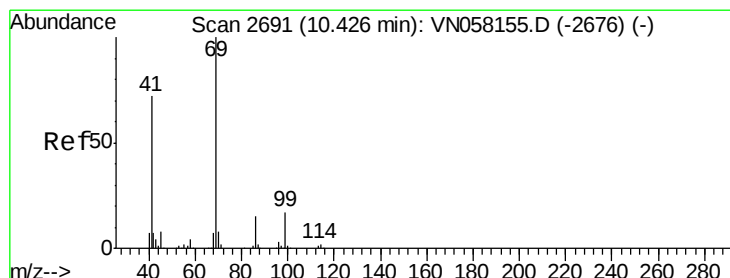
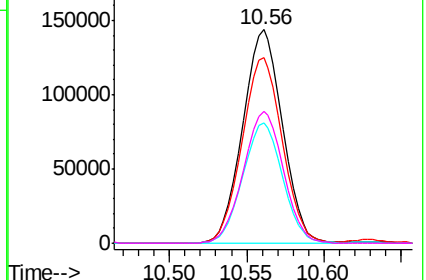
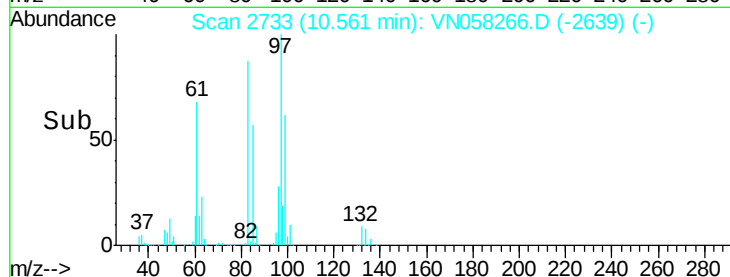


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.519 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

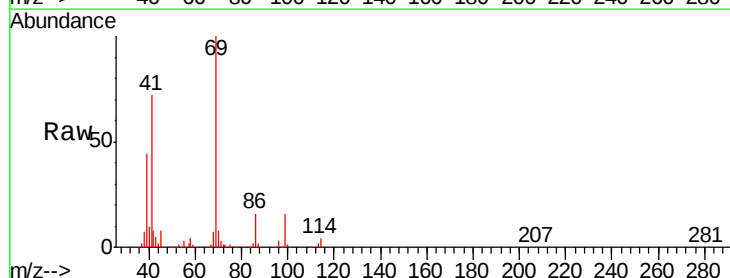
Tgt Ion: 69 Resp: 380204

Ion Ratio Lower Upper

69 100

41 72.4 57.5 86.3

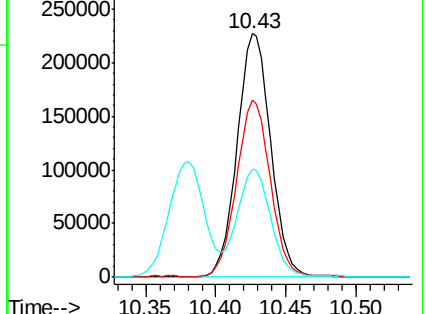
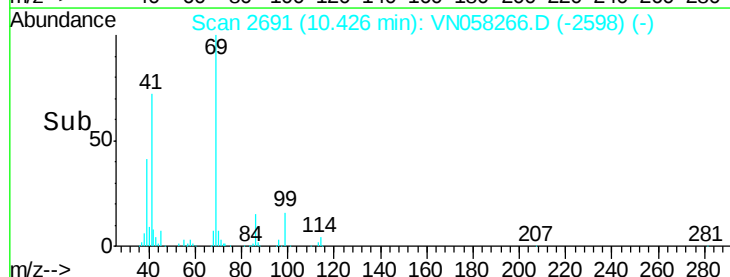
39 44.3 36.1 54.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.391 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

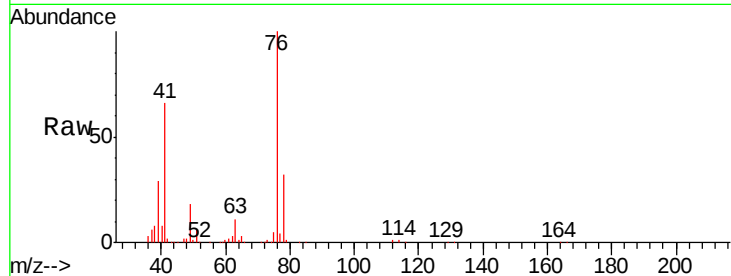
RE132D2-20190916MSD

Tgt Ion: 76 Resp: 427489

Ion Ratio Lower Upper

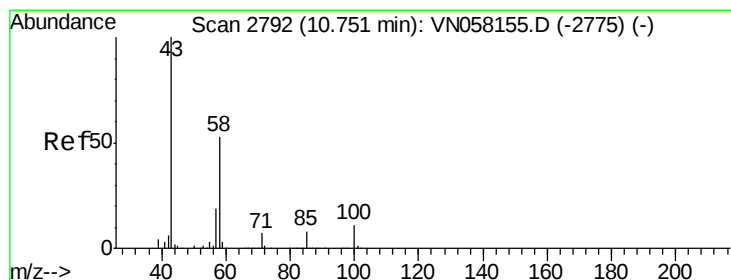
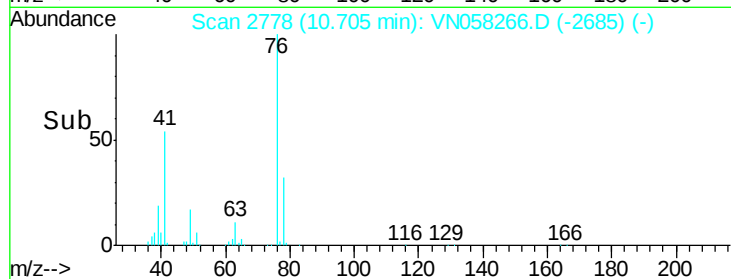
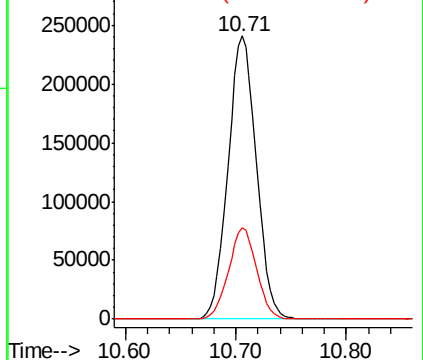
76 100

78 32.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 304.318 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058266.D

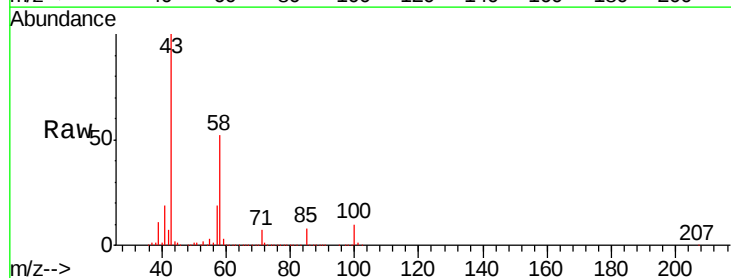
Acq: 20 Sep 2019 21:07

Tgt Ion: 43 Resp: 1300045

Ion Ratio Lower Upper

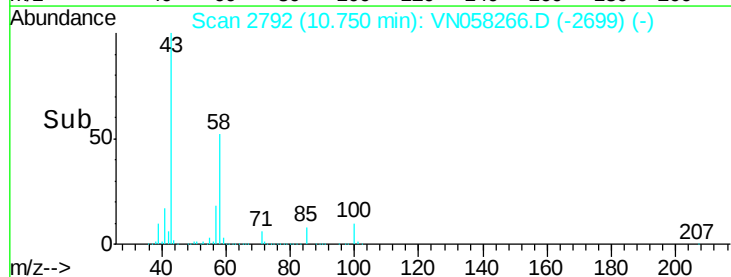
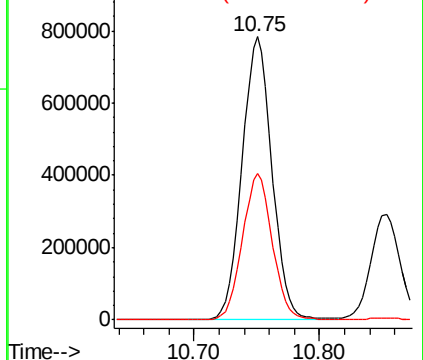
43 100

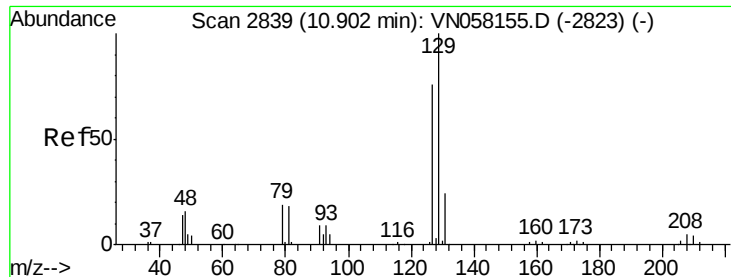
58 51.8 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 55.583 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

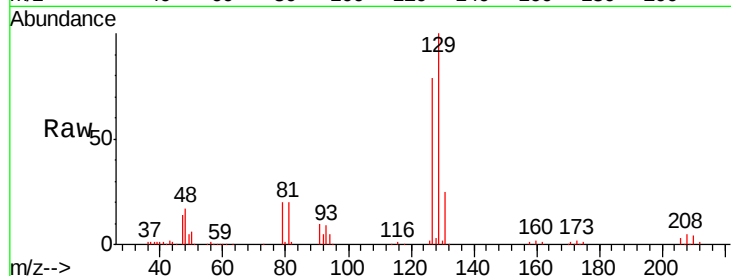
RE132D2-20190916MSD

Tgt Ion:129 Resp: 253804

Ion Ratio Lower Upper

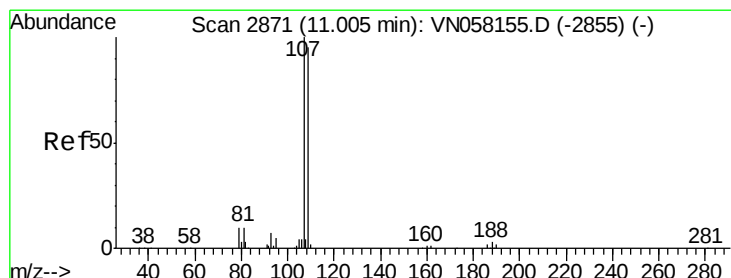
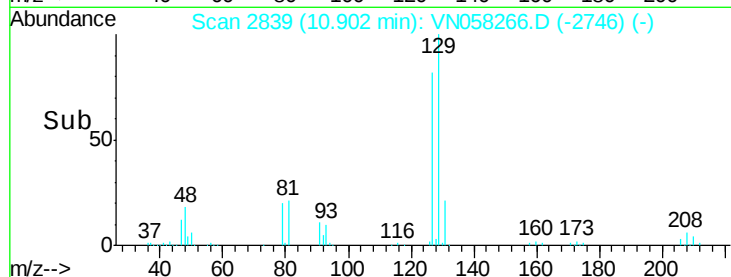
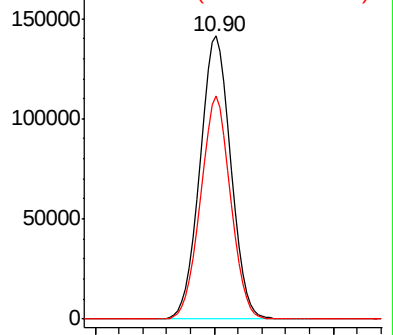
129 100

127 76.7 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.474 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058266.D

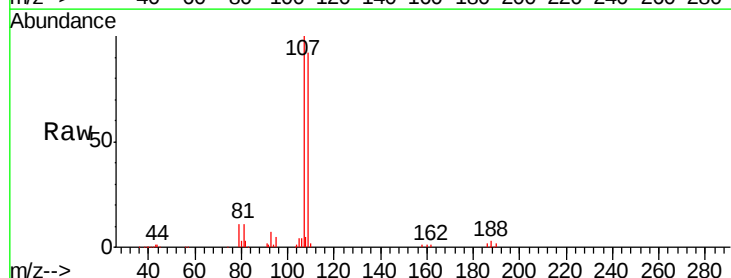
Acq: 20 Sep 2019 21:07

Tgt Ion:107 Resp: 235211

Ion Ratio Lower Upper

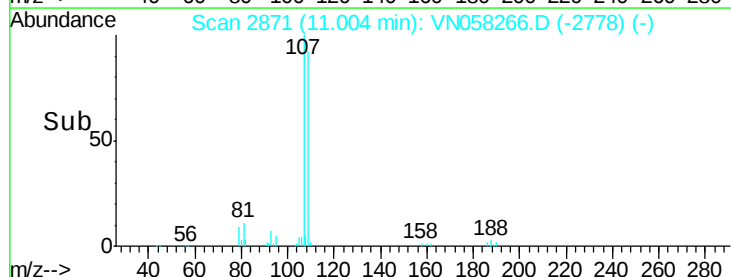
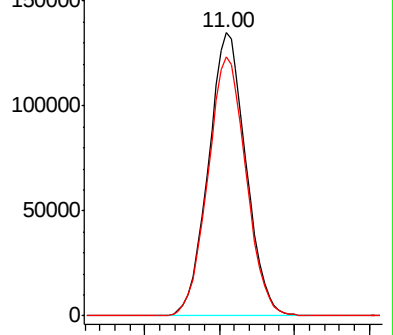
107 100

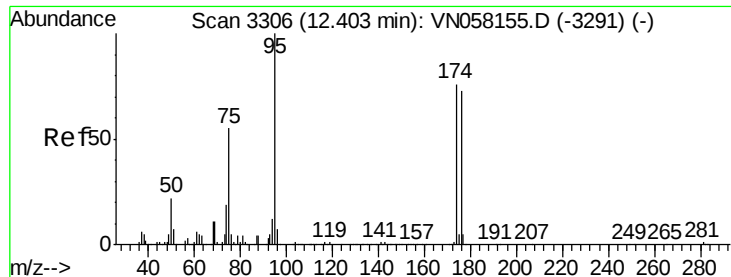
109 92.9 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 53.266 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

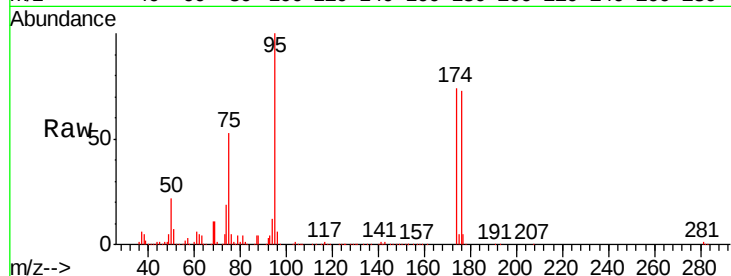
Tgt Ion: 95 Resp: 363107

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.2

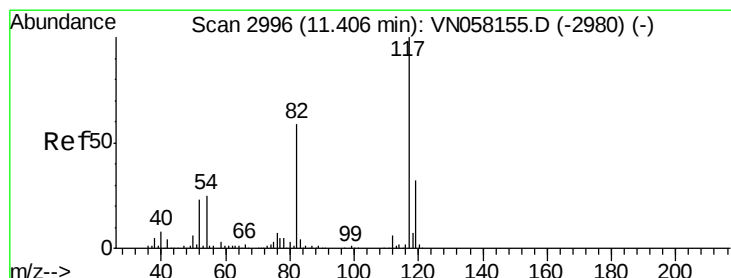
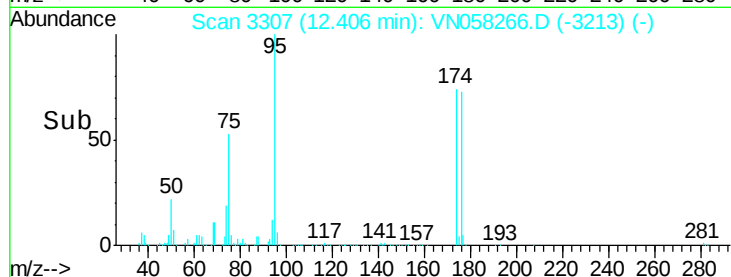
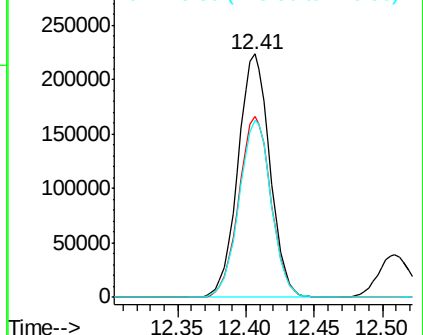
176 73.0 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

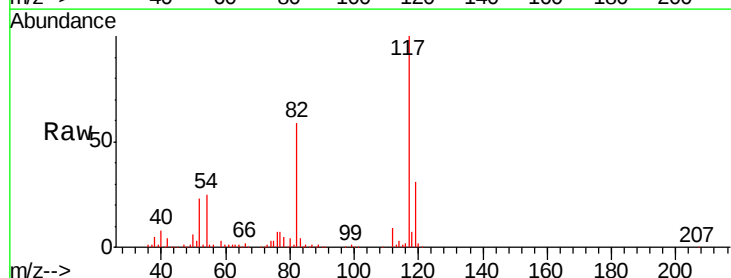
Tgt Ion: 117 Resp: 707890

Ion Ratio Lower Upper

117 100

82 58.7 46.9 70.3

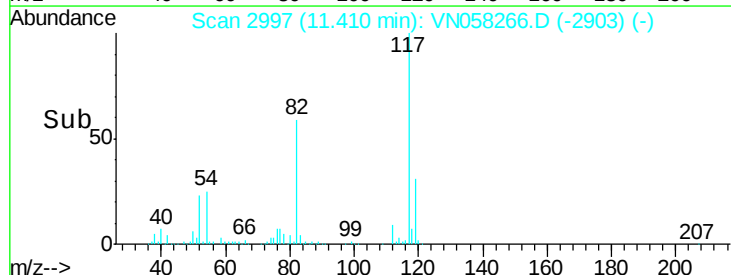
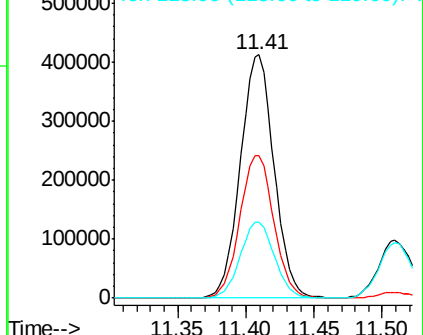
119 31.2 25.3 37.9

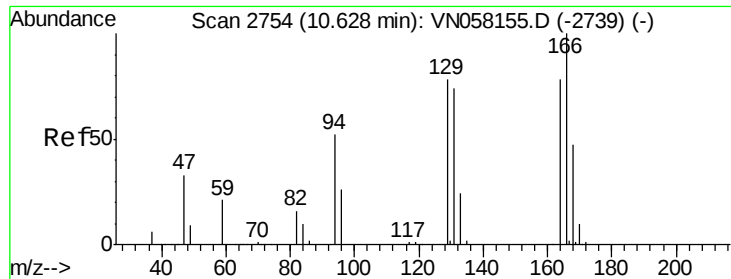


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

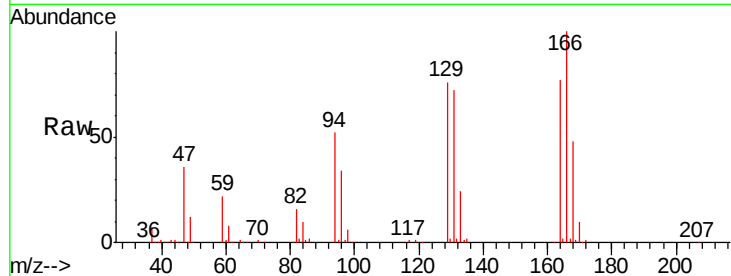




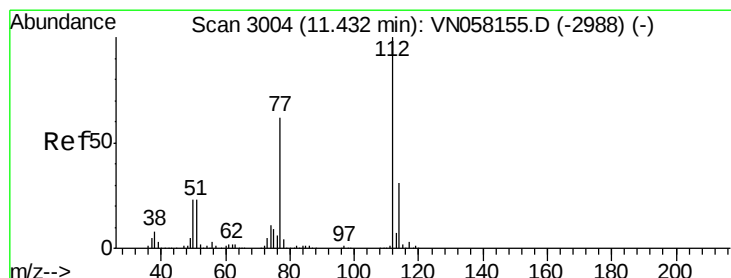
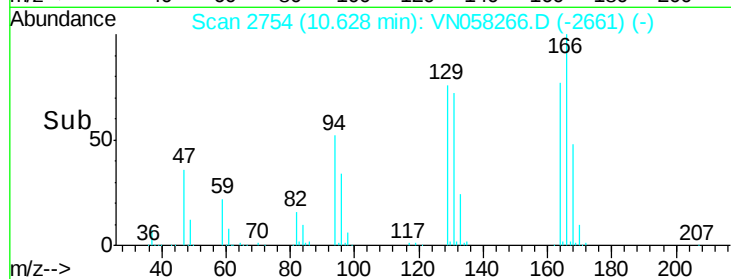
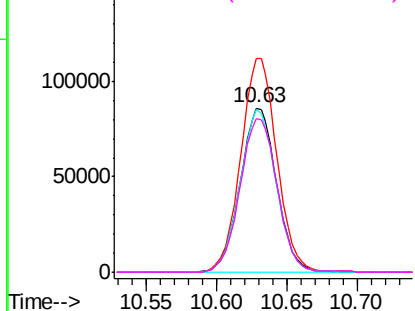
#64
Tetrachloroethene
Concen: 45.059 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:164 Resp: 155488
Ion Ratio Lower Upper
164 100
166 130.0 102.2 153.4
129 99.0 79.6 119.4
131 93.5 76.0 114.0

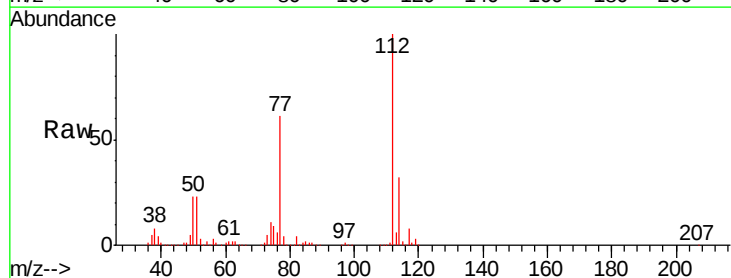


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

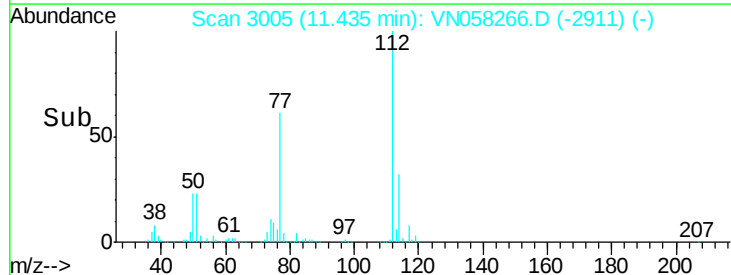
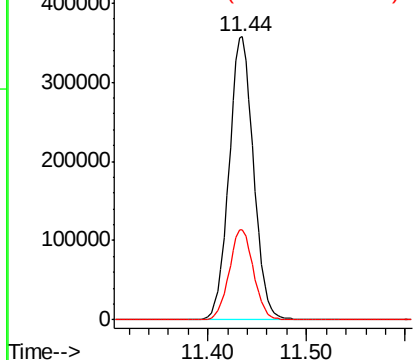


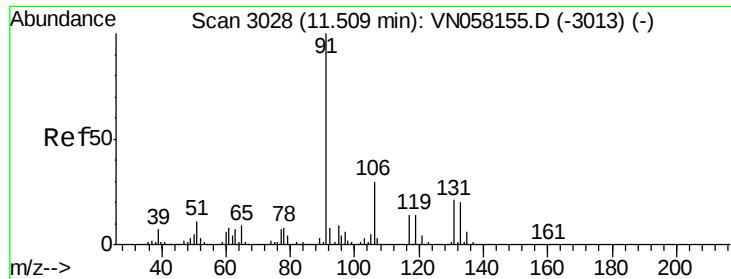
#65
Chlorobenzene
Concen: 49.726 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion:112 Resp: 619154
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.020 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

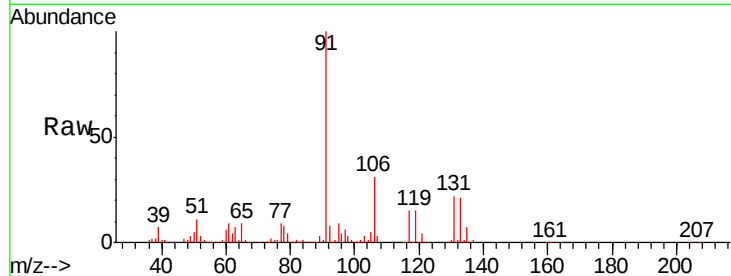
Tgt Ion:131 Resp: 243892

Ion Ratio Lower Upper

131 100

133 93.7 47.8 143.3

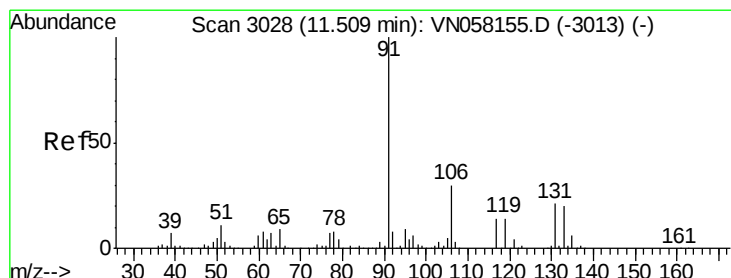
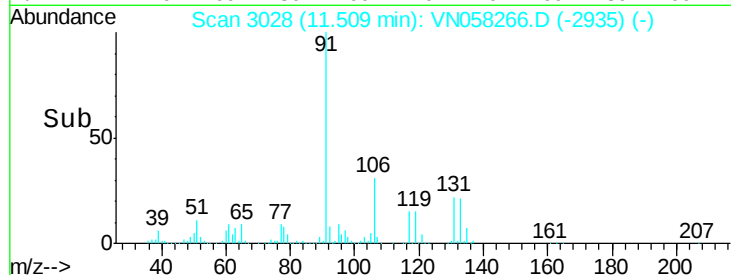
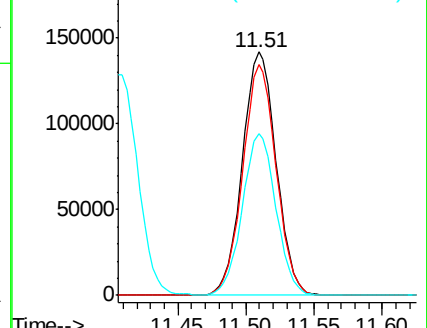
119 66.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 51.998 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058266.D

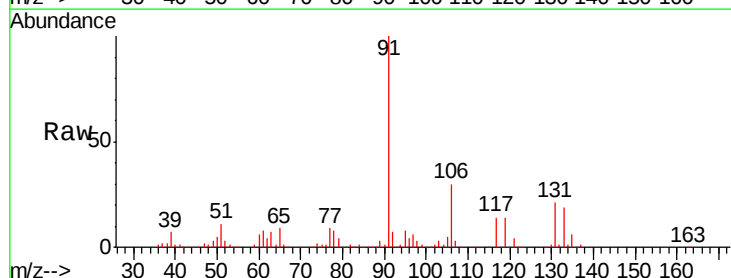
Acq: 20 Sep 2019 21:07

Tgt Ion: 91 Resp: 1109370

Ion Ratio Lower Upper

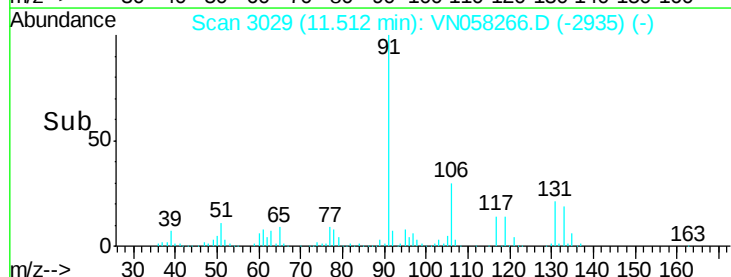
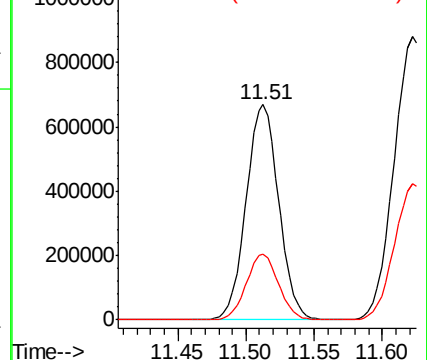
91 100

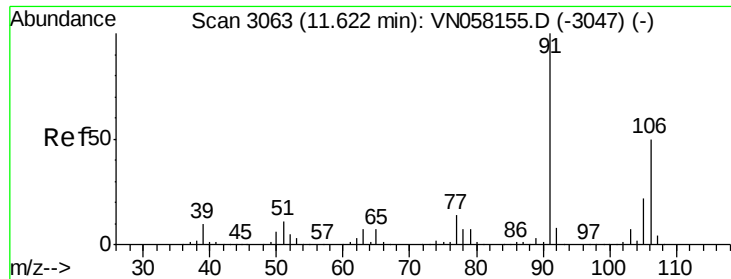
106 30.5 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

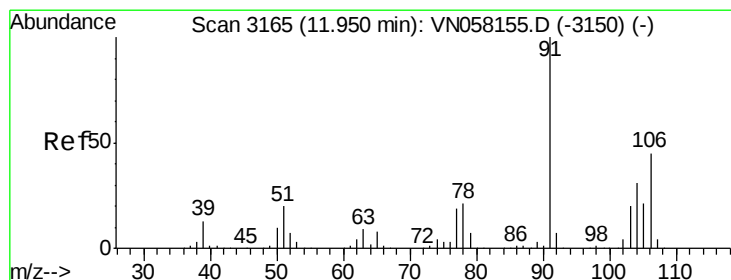
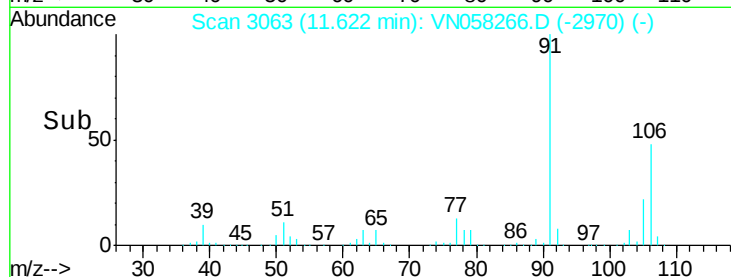
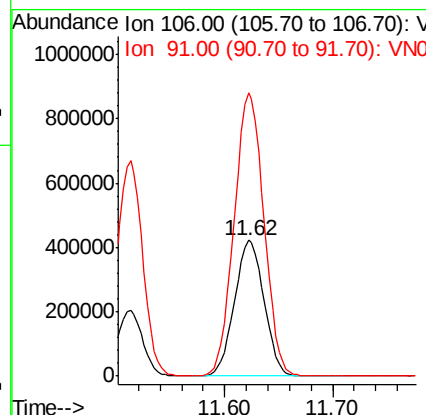
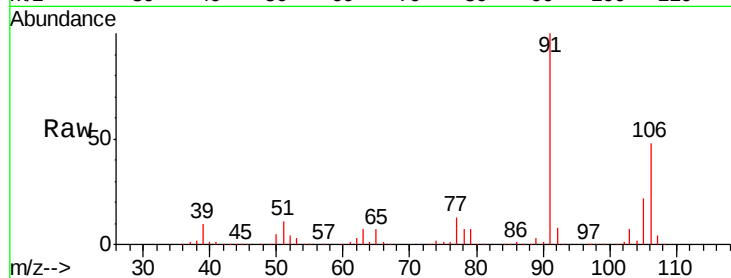




#68
m/p-Xylenes
Concen: 100.215 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

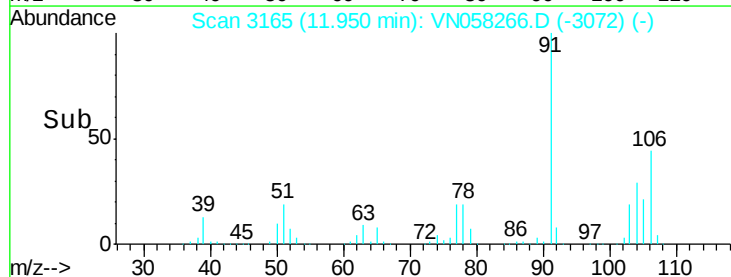
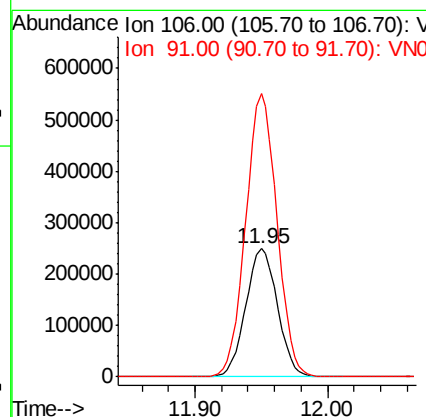
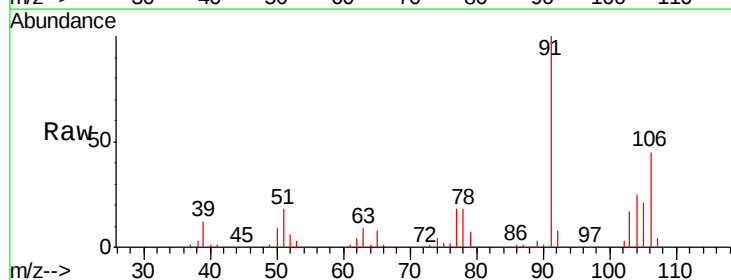
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

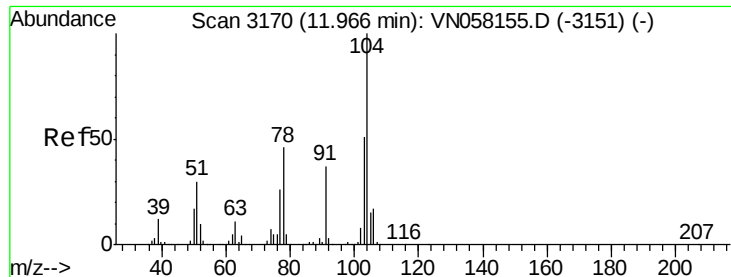
Tgt Ion:106 Resp: 805273
Ion Ratio Lower Upper
106 100
91 209.8 163.6 245.4



#69
o-Xylene
Concen: 52.459 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion:106 Resp: 414483
Ion Ratio Lower Upper
106 100
91 217.8 111.8 335.3





#70

Styrene

Concen: 52.338 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

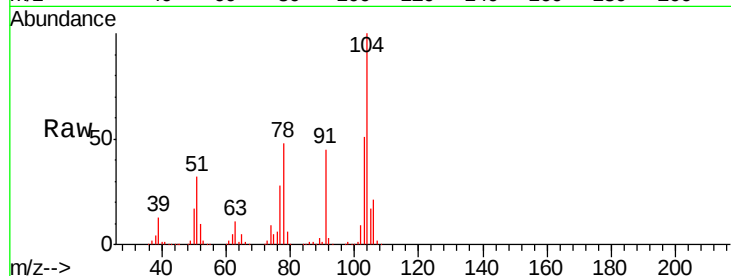
Tgt Ion:104 Resp: 712508

Ion Ratio Lower Upper

104 100

78 52.7 41.8 62.8

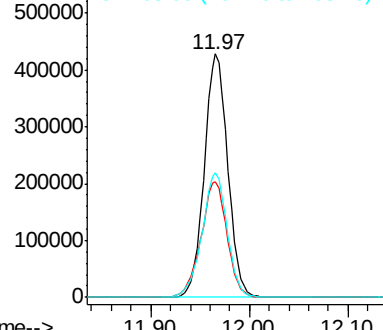
103 54.7 44.2 66.2



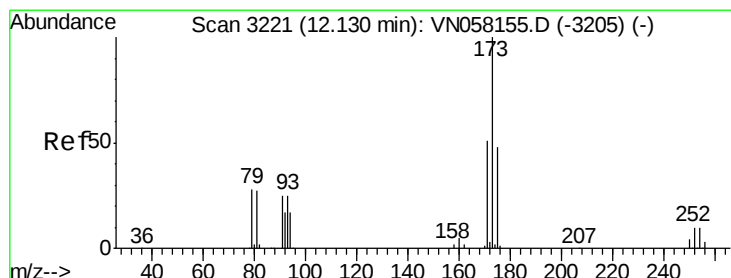
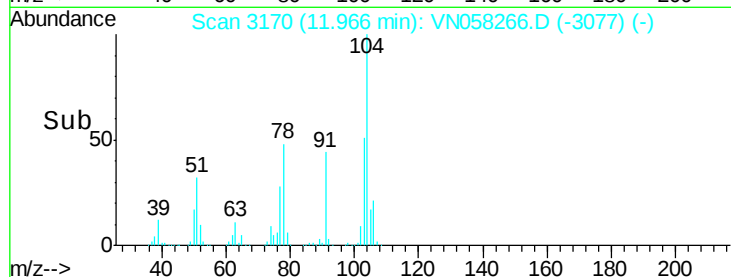
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 48.585 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

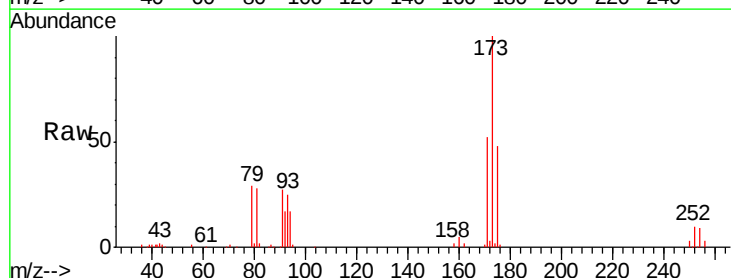
Tgt Ion:173 Resp: 162262

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

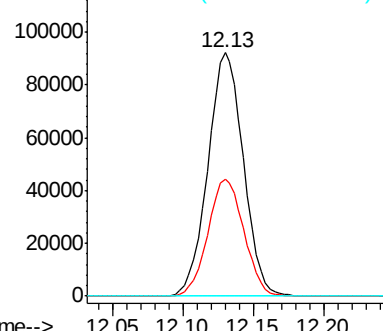
254 0.0 0.1 0.1#



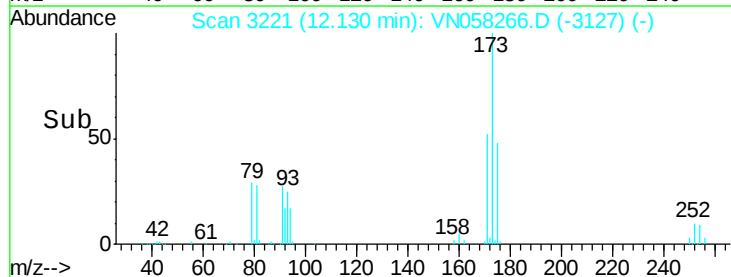
Abundance Ion 172.70 (172.40 to 173.40): V

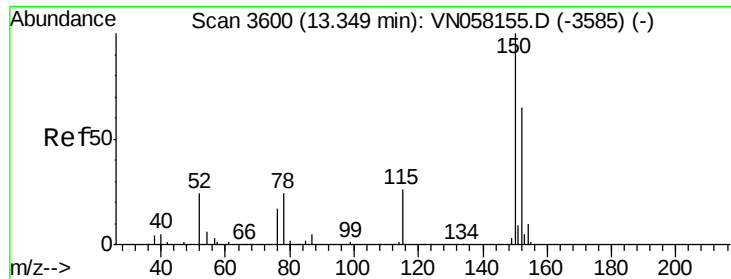
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

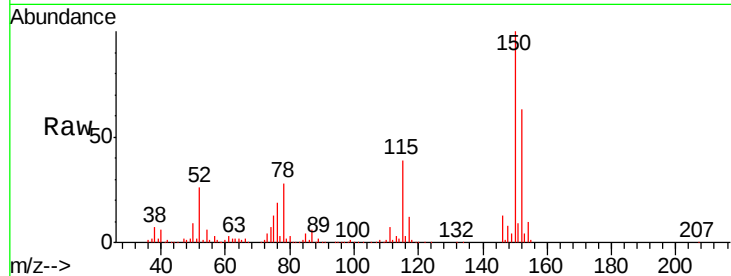
Tgt Ion:152 Resp: 346041

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.3

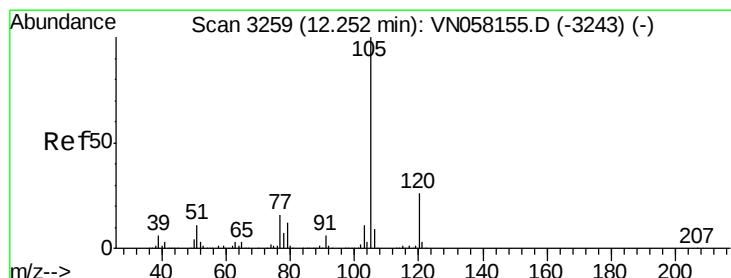
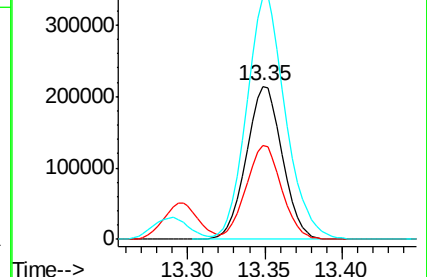
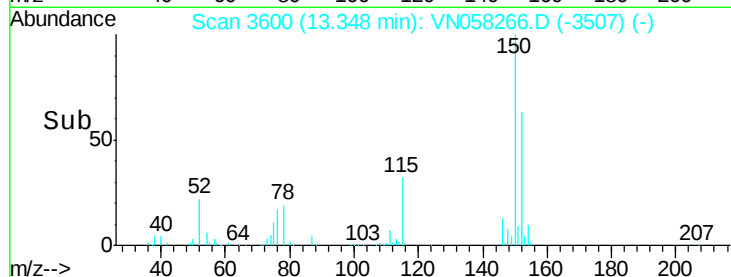
150 171.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.524 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058266.D

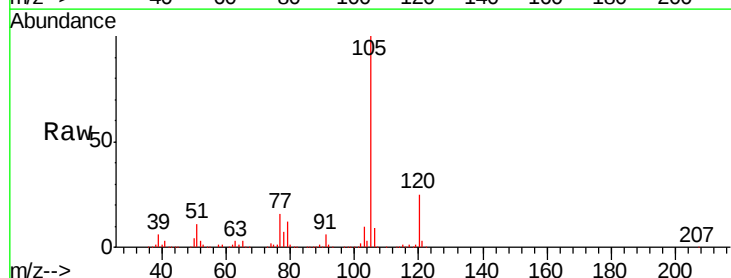
Acq: 20 Sep 2019 21:07

Tgt Ion:105 Resp: 1159321

Ion Ratio Lower Upper

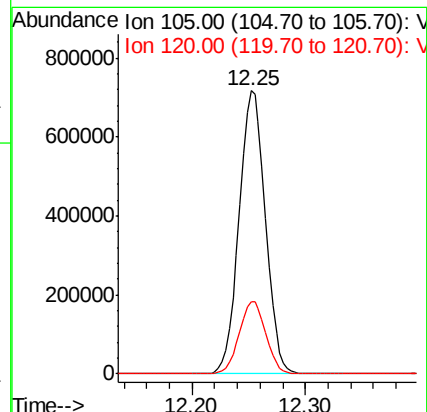
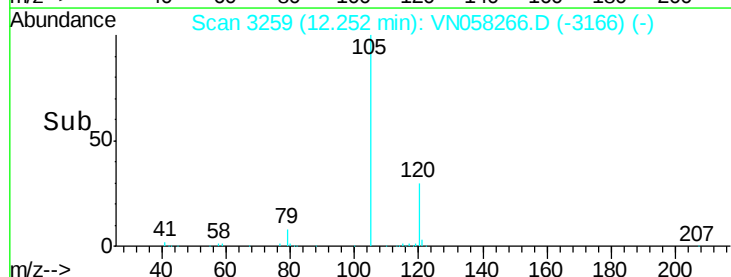
105 100

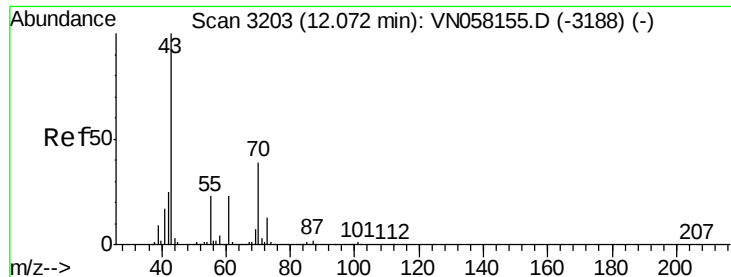
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amy1 acetate

Concen: 55.430 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tgt Ion: 43 Resp: 502263

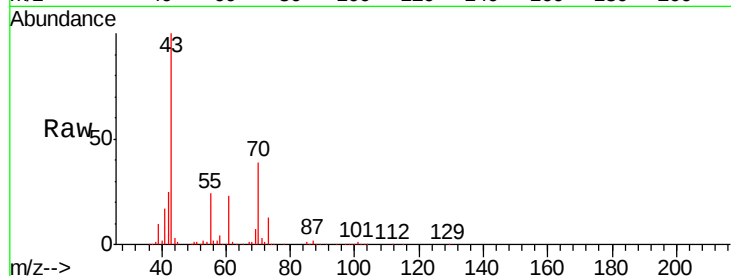
Ion Ratio Lower Upper

43 100

70 39.0 31.0 46.6

55 24.2 18.5 27.7

61 22.5 18.2 27.2

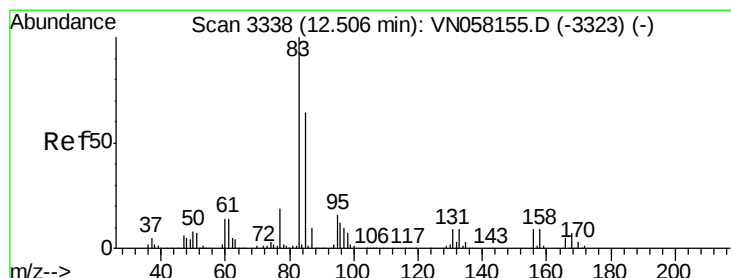
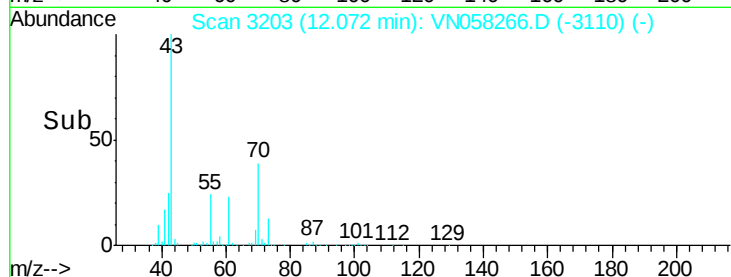
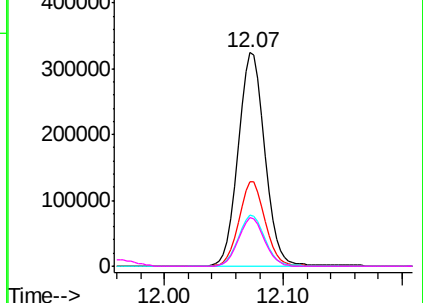


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.968 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

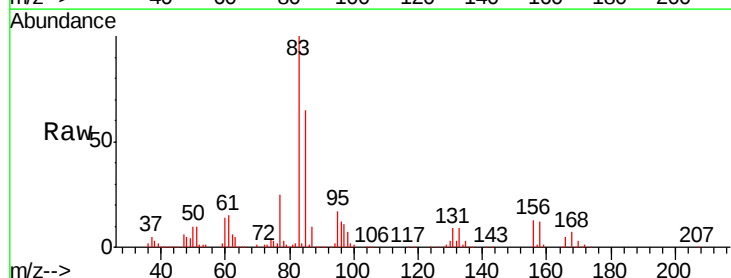
Tgt Ion: 83 Resp: 398706

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

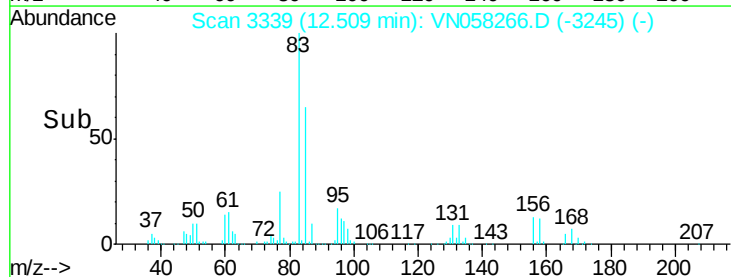
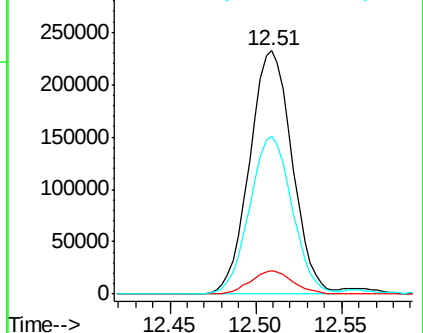
85 64.6 31.9 95.5

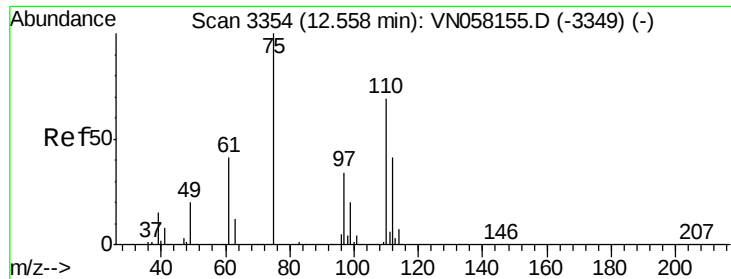


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 78.060 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

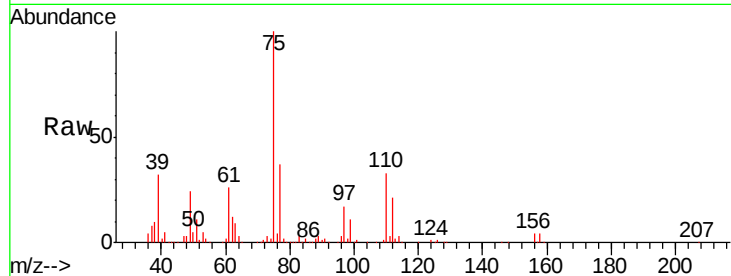
RE132D2-20190916MSD

Tgt Ion: 75 Resp: 483430

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)

300000

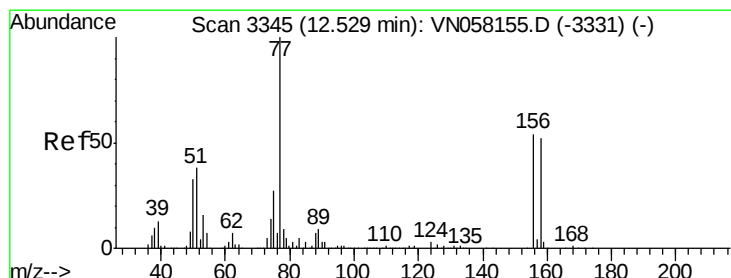
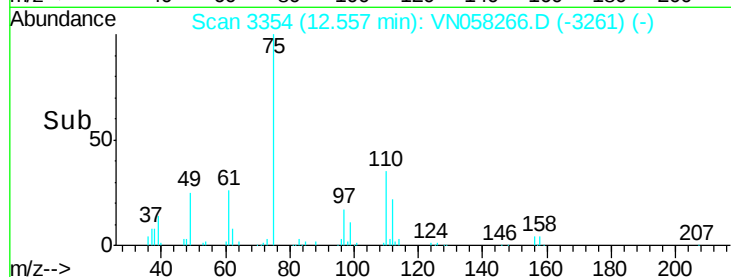
200000

100000

0

12.50 12.56

Time-->



#77

Bromobenzene

Concen: 50.152 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

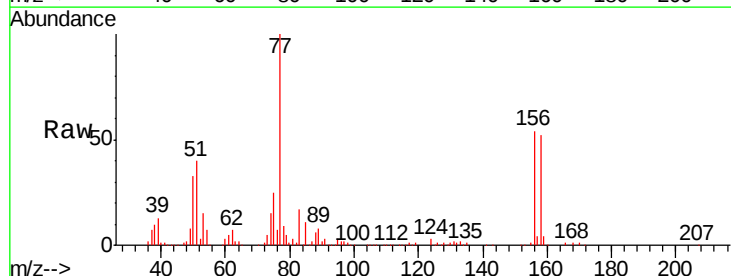
Tgt Ion: 156 Resp: 273247

Ion Ratio Lower Upper

156 100

77 227.0 111.7 335.1

158 96.5 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): VN058155.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058155.D (-3331) (-)

400000

300000

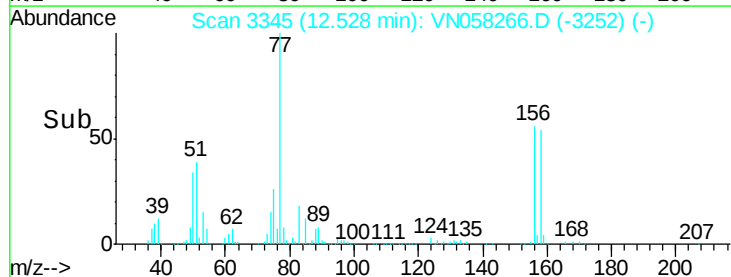
200000

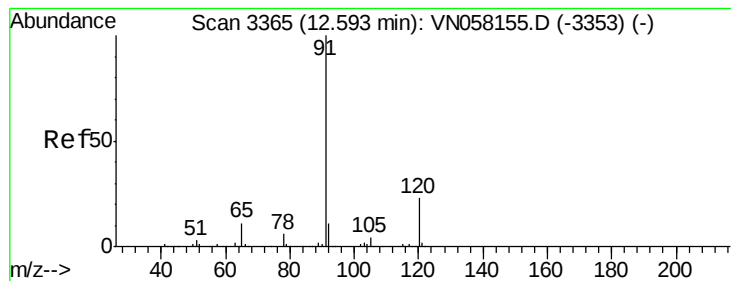
100000

0

12.50 12.53

Time-->





#78

n-propylbenzene

Concen: 54.950 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

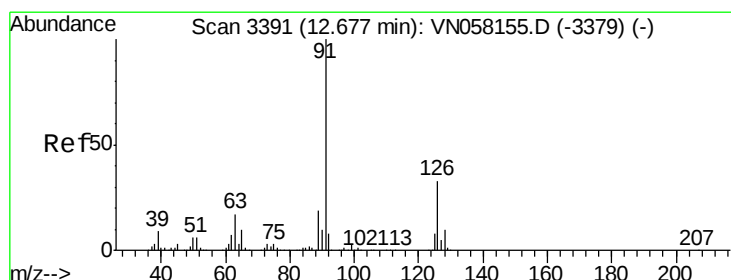
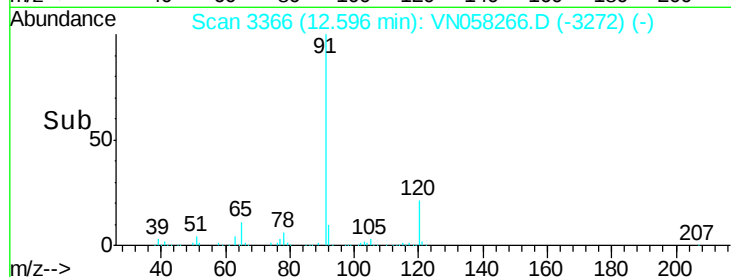
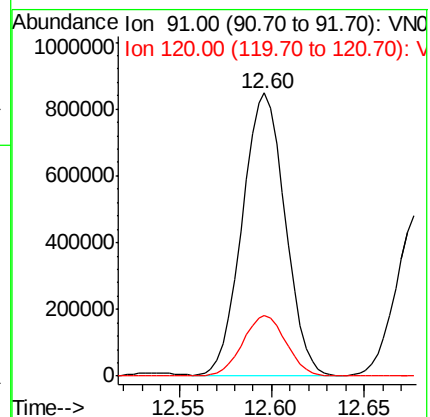
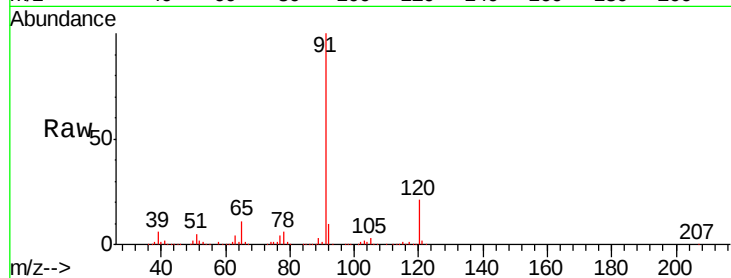
RE132D2-20190916MSD

Tgt Ion: 91 Resp: 1352501

Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.3



#79

2-Chlorotoluene

Concen: 52.610 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058266.D

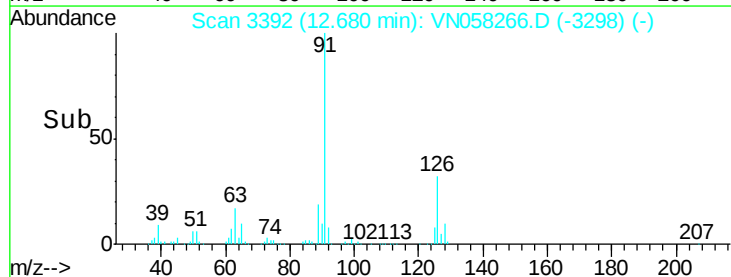
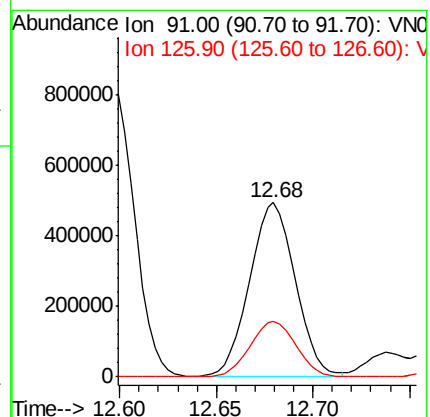
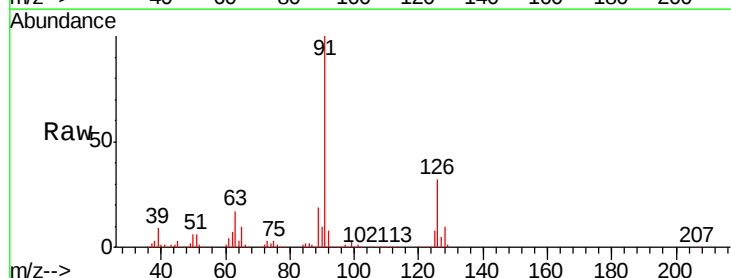
Acq: 20 Sep 2019 21:07

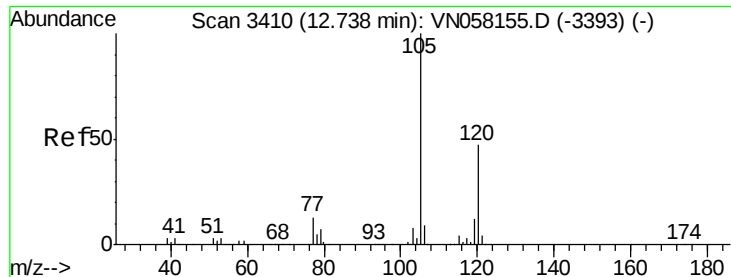
Tgt Ion: 91 Resp: 809277

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1

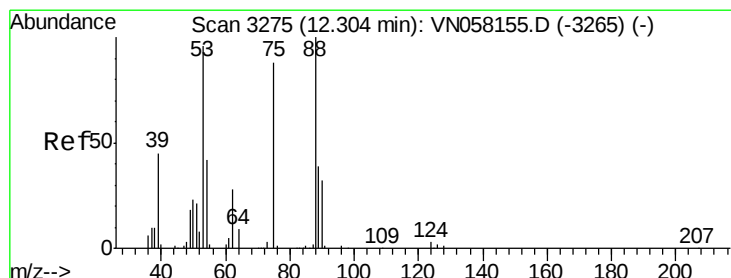
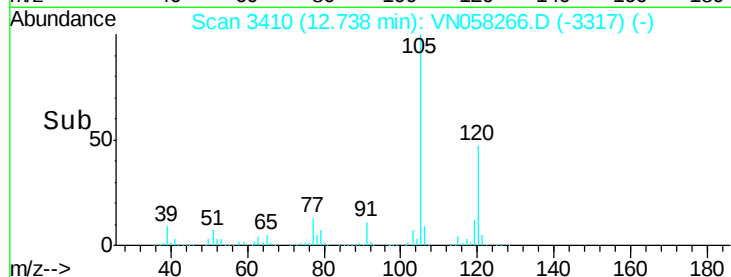
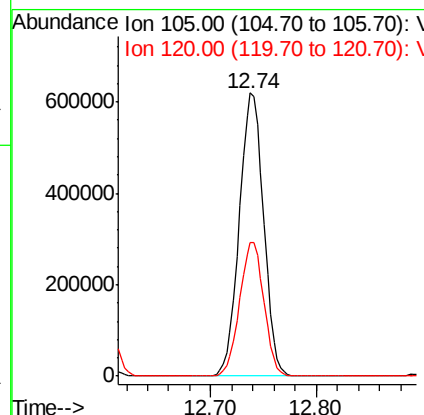
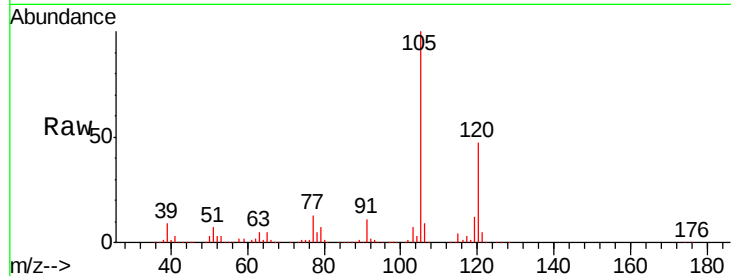




#80
 1,3,5-Trimethylbenzene
 Concen: 53.839 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

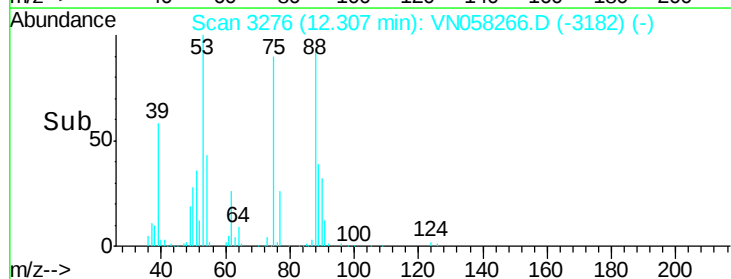
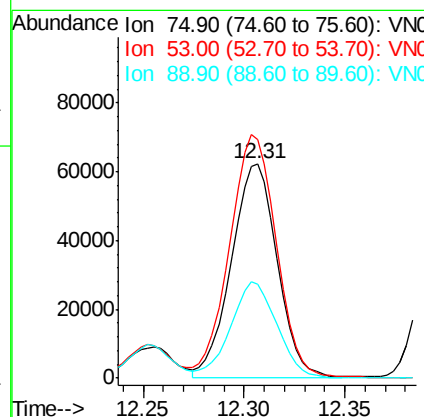
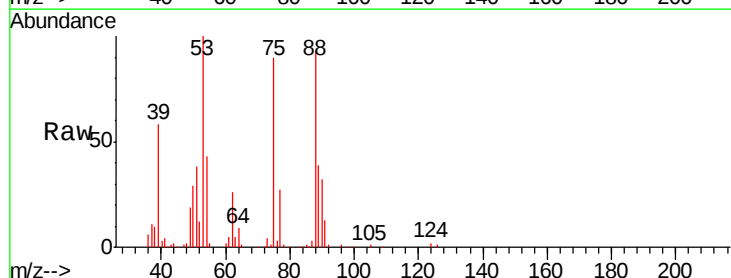
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

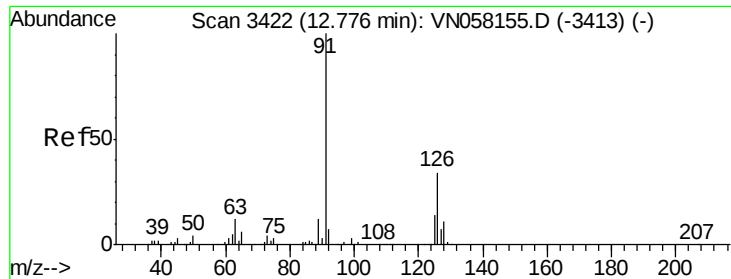
Tgt Ion: 105 Resp: 986126
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.023 ug/l
 RT: 12.31 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 75 Resp: 99389
 Ion Ratio Lower Upper
 75 100
 53 115.6 90.1 135.1
 89 45.5 36.2 54.2

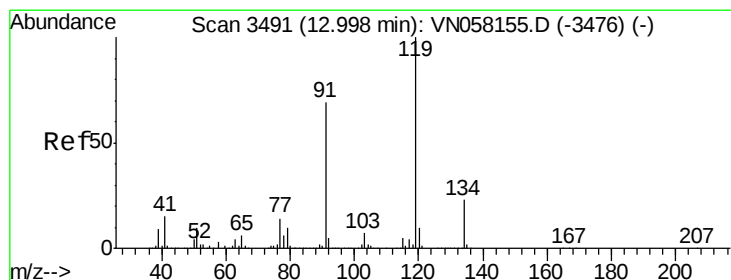
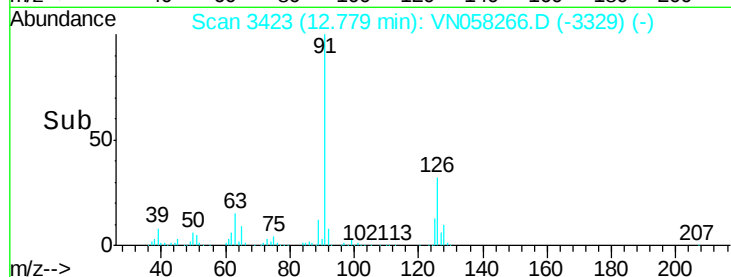
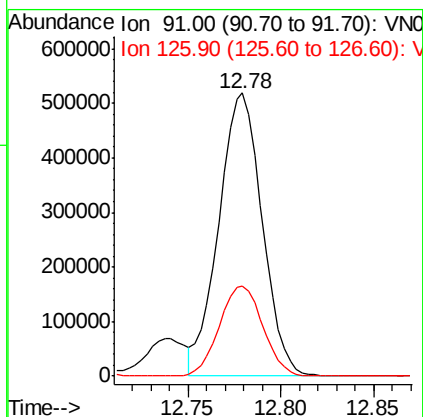
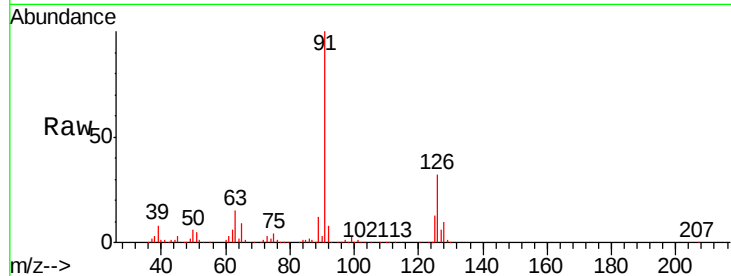




#82
4-Chlorotoluene
Concen: 51.953 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

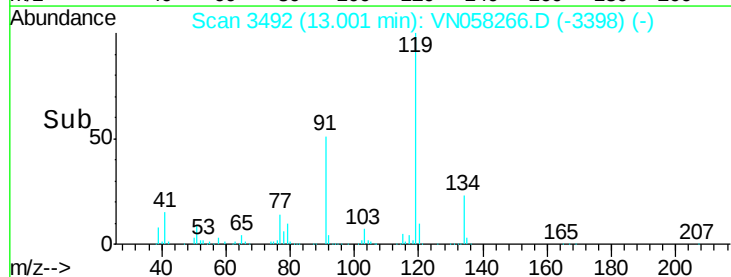
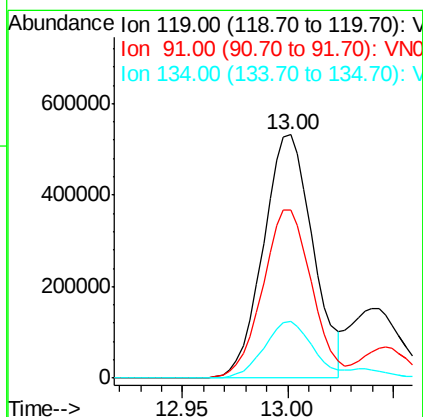
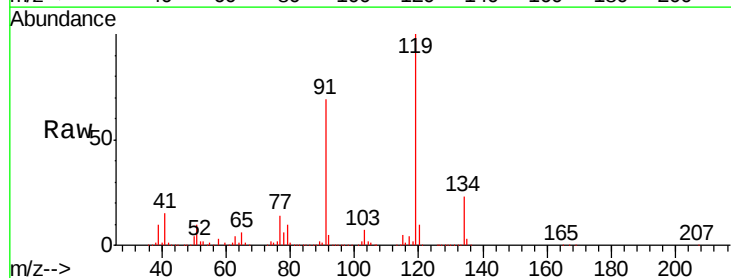
Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

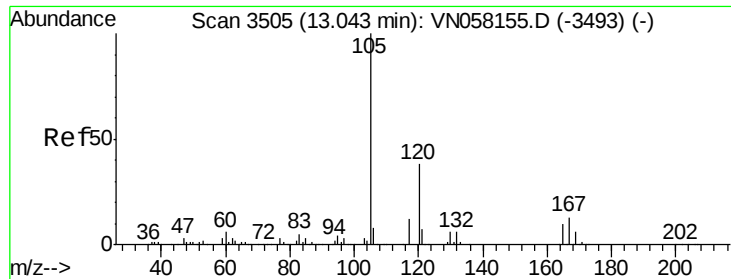
Tgt Ion: 91 Resp: 840063
Ion Ratio Lower Upper
91 100
126 32.0 15.7 47.1



#83
tert-Butylbenzene
Concen: 53.230 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion: 119 Resp: 869457
Ion Ratio Lower Upper
119 100
91 68.3 33.8 101.3
134 23.1 11.6 34.8

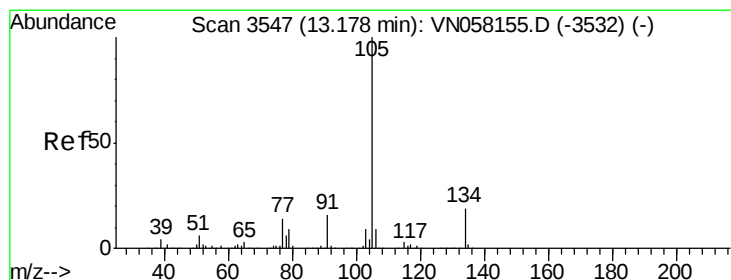
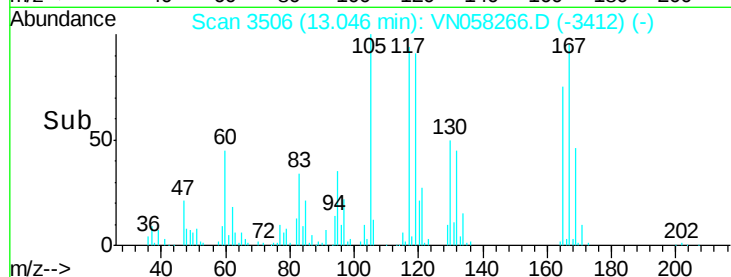
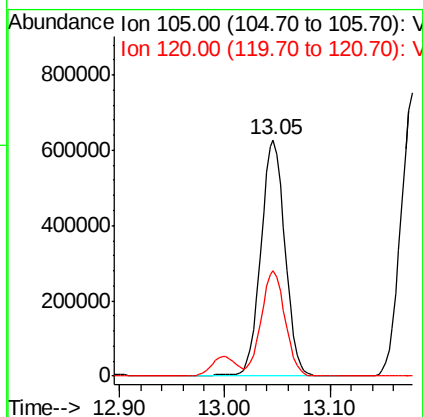
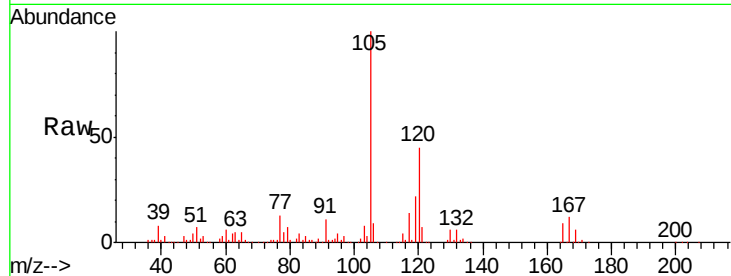




#84
 1,2,4-Trimethylbenzene
 Concen: 55.042 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

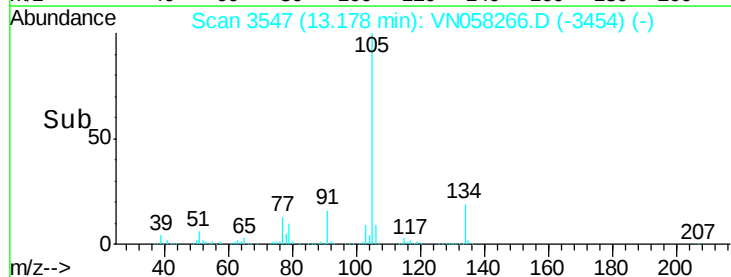
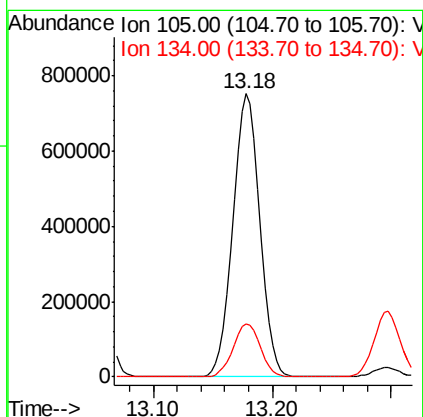
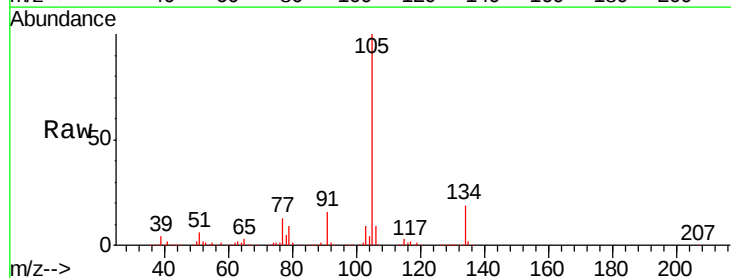
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

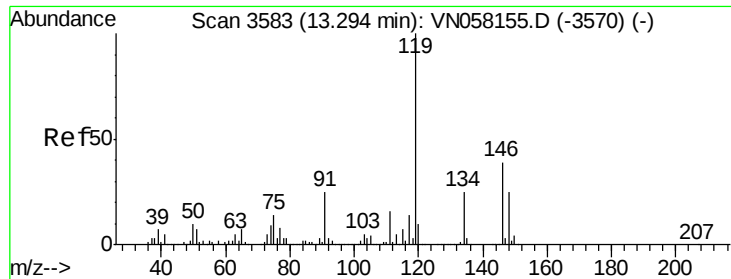
Tgt Ion:105 Resp: 1003274
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 55.074 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion:105 Resp: 1176333
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5

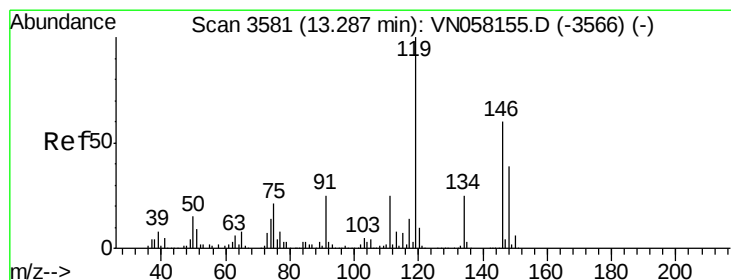
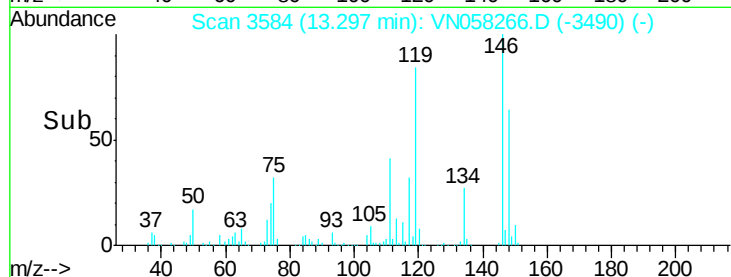
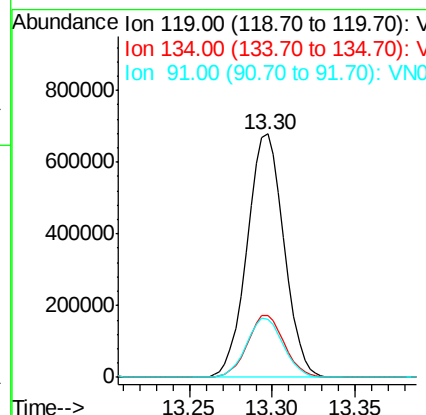
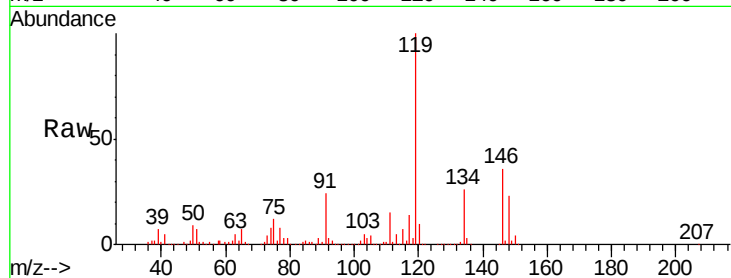




#86
 p-Isopropyltoluene
 Concen: 54.959 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

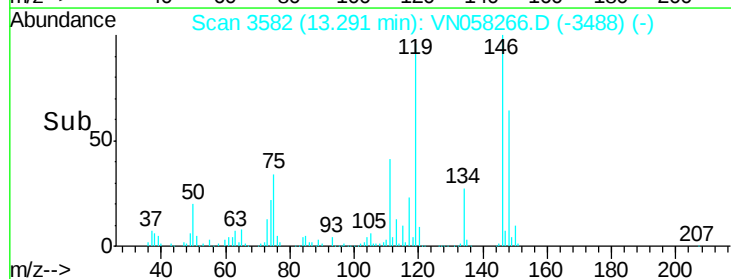
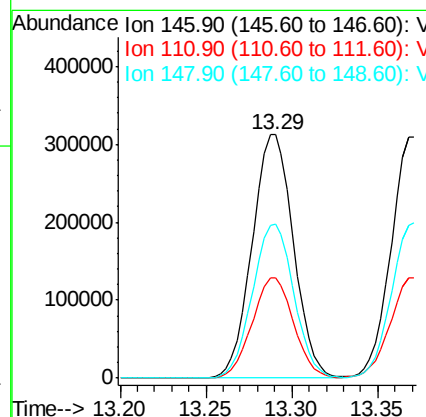
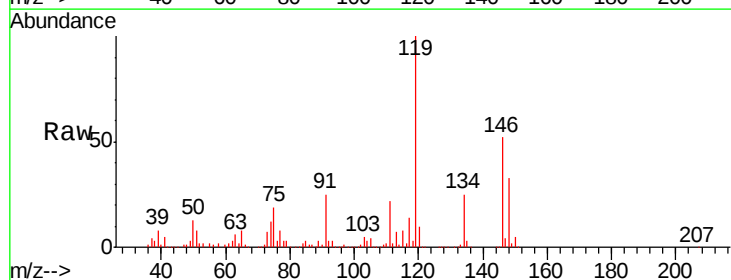
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

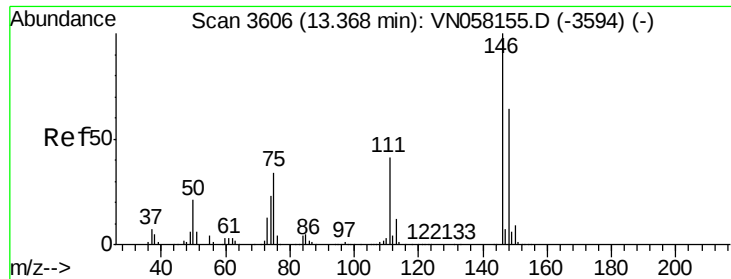
Tgt Ion:119 Resp: 1043594
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.0
 91 24.4 12.3 36.8



#87
 1,3-Dichlorobenzene
 Concen: 52.222 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion:146 Resp: 519679
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.8
 148 63.3 32.0 96.2

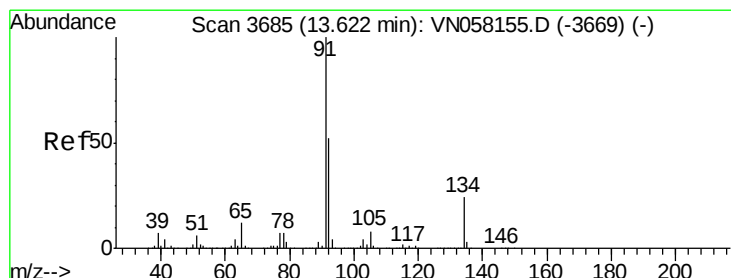
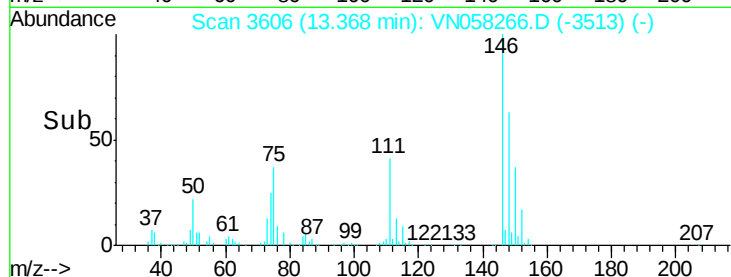
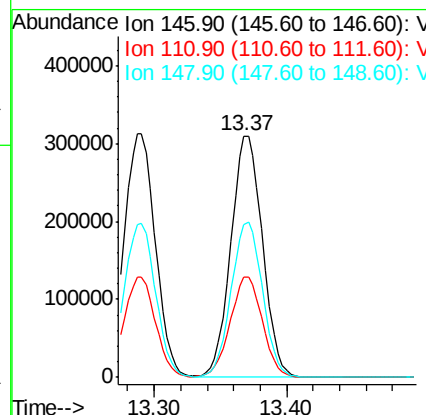
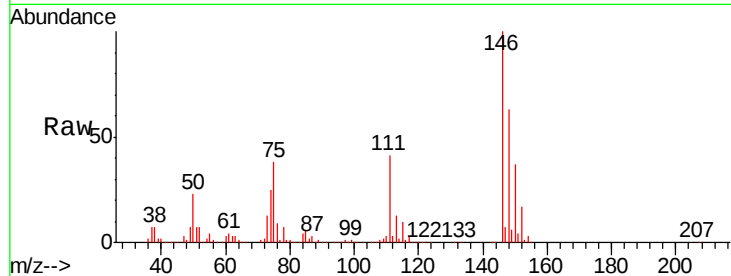




#88
 1,4-Dichlorobenzene
 Concen: 50.467 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

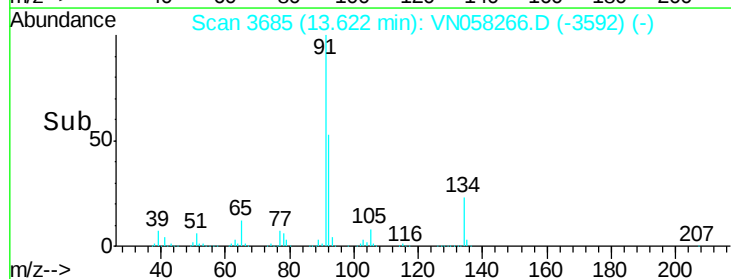
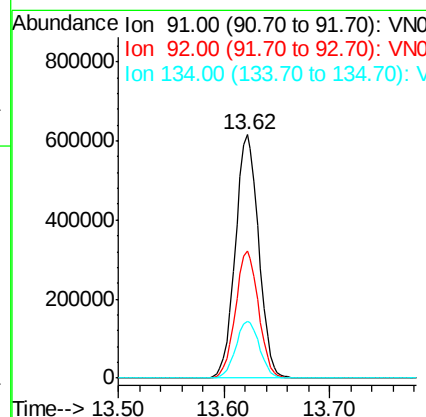
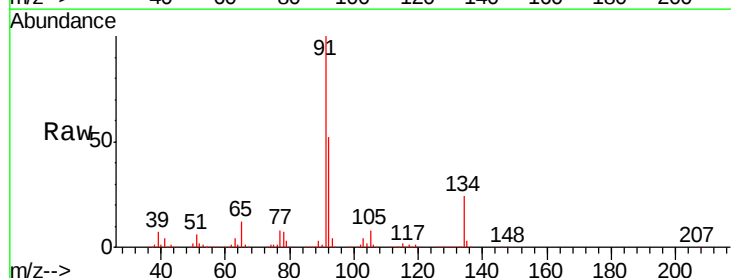
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

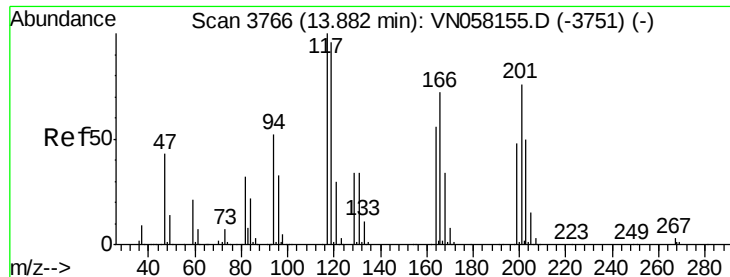
Tgt Ion: 146 Resp: 512724
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.5 61.5
 148 63.5 31.9 95.5



#89
 n-Butylbenzene
 Concen: 52.221 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion: 91 Resp: 940134
 Ion Ratio Lower Upper
 91 100
 92 51.7 25.7 77.0
 134 23.7 11.8 35.4





#90

Hexachloroethane

Concen: 50.079 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

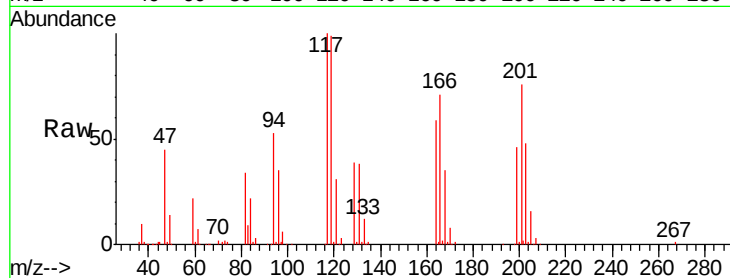
RE132D2-20190916MSD

Tgt Ion:117 Resp: 166769

Ion Ratio Lower Upper

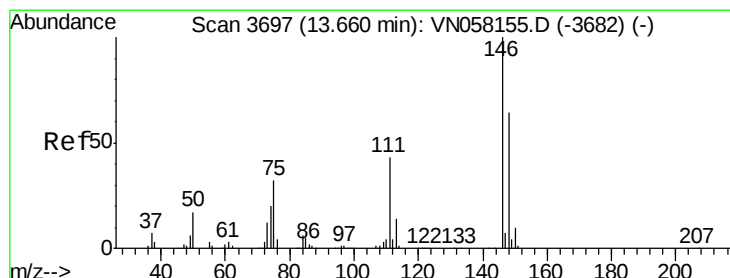
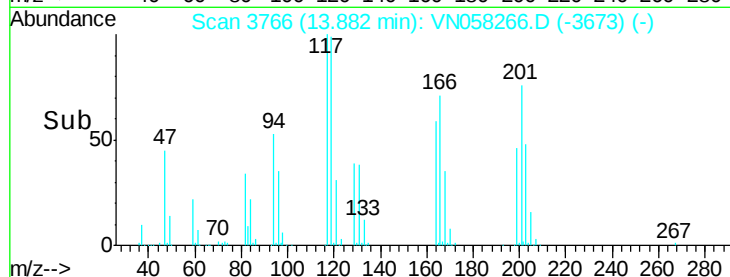
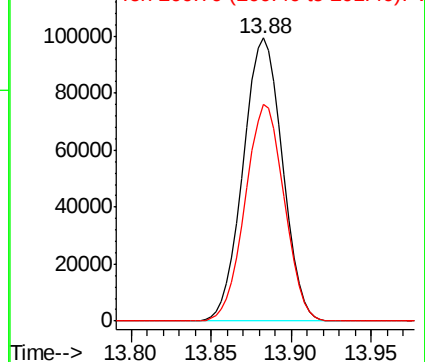
117 100

201 76.0 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 53.192 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

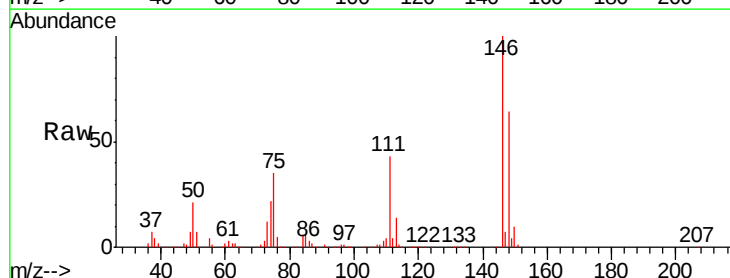
Tgt Ion:146 Resp: 530987

Ion Ratio Lower Upper

146 100

111 42.9 21.1 63.1

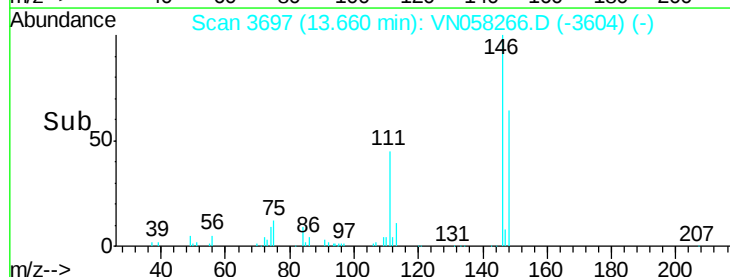
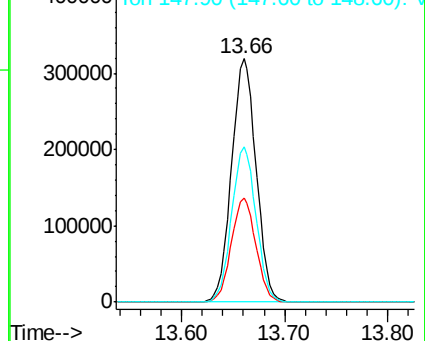
148 63.4 31.8 95.4

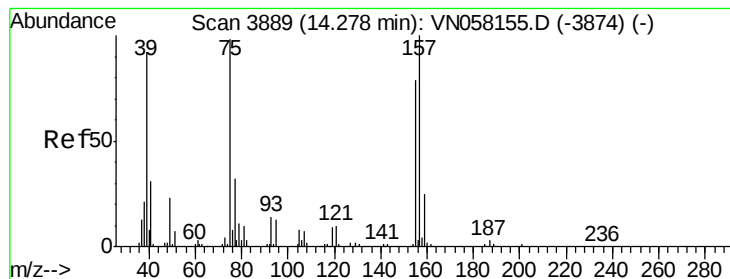


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.012 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

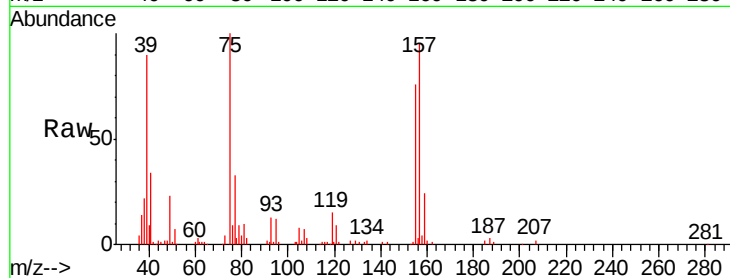
Tgt Ion: 75 Resp: 75755

Ion Ratio Lower Upper

75 100

155 77.8 38.3 114.8

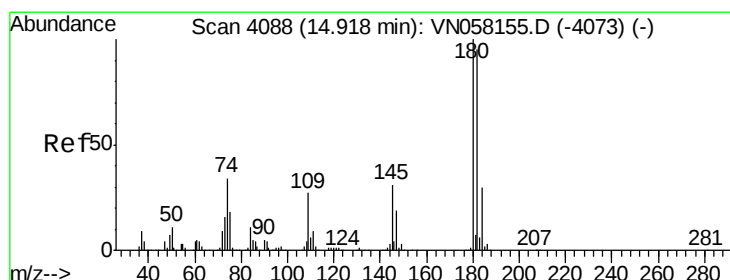
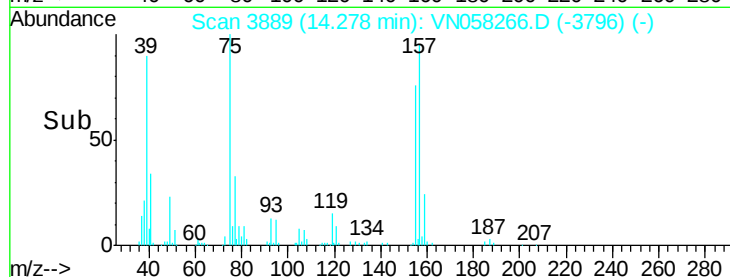
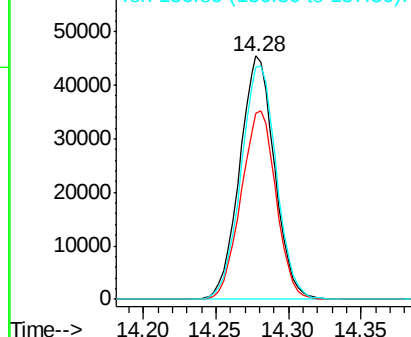
157 97.6 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): VN058266.D (-3796) (-)

Ion 154.80 (154.50 to 155.50): VN058266.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058266.D (-3796) (-)



#93

1,2,4-Trichlorobenzene

Concen: 50.451 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

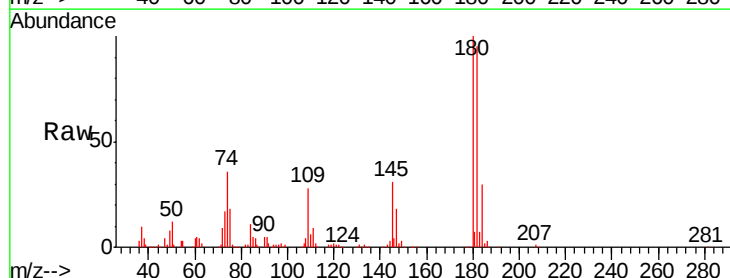
Tgt Ion: 180 Resp: 321777

Ion Ratio Lower Upper

180 100

182 95.0 47.8 143.3

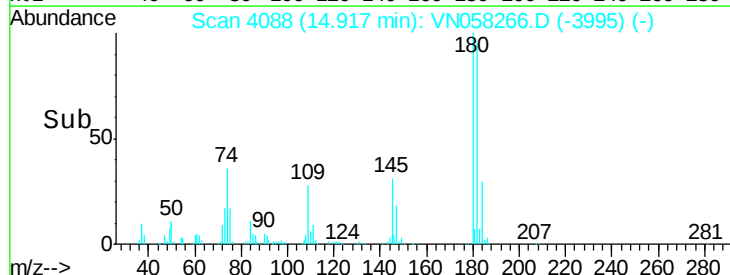
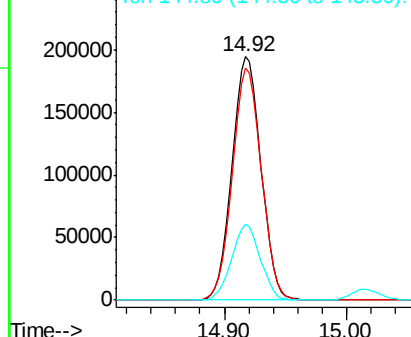
145 30.7 15.4 46.4

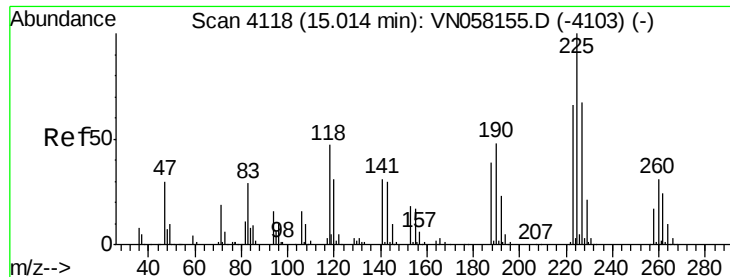


Abundance Ion 179.80 (179.50 to 180.50): VN058266.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058266.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058266.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 46.614 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

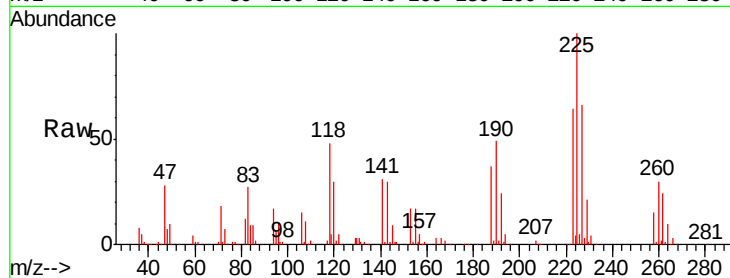
Tgt Ion:225 Resp: 143698

Ion Ratio Lower Upper

225 100

223 63.4 32.6 97.7

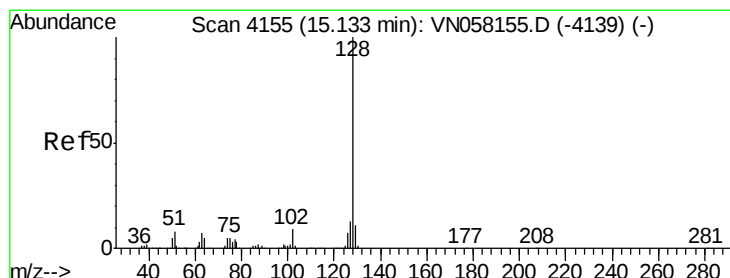
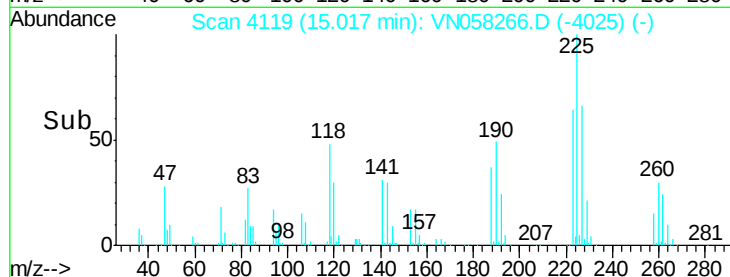
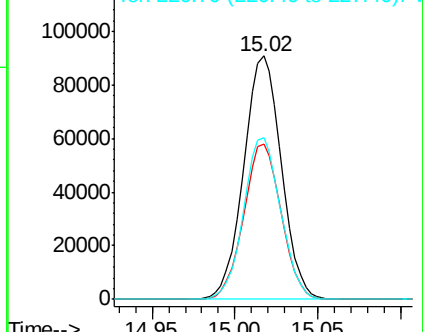
227 65.4 33.0 99.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 58.011 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

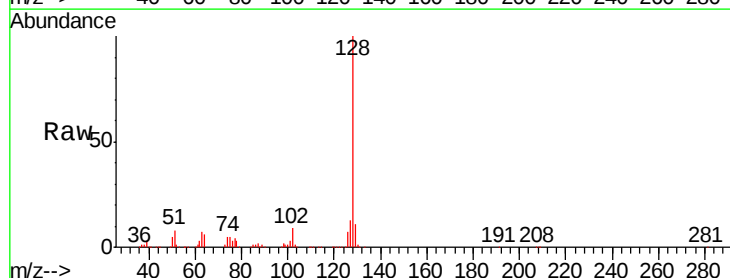
Tgt Ion:128 Resp: 958863

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

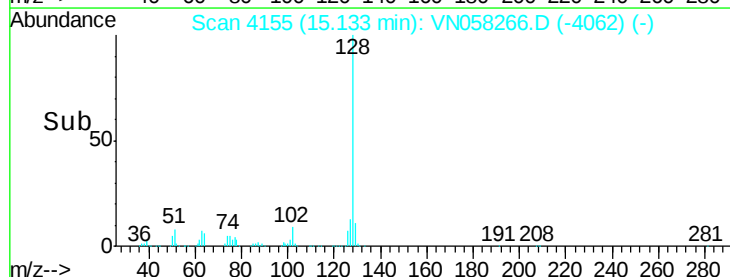
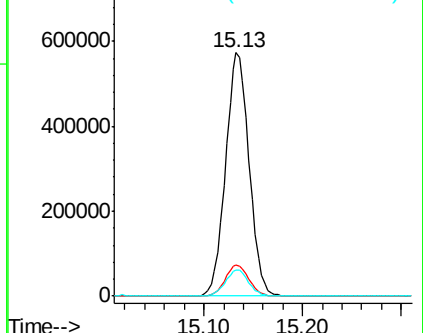
129 10.7 8.6 12.8

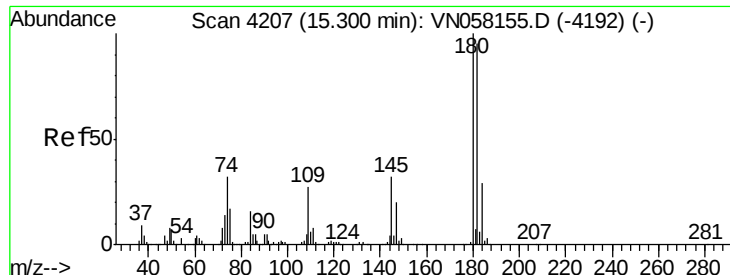


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

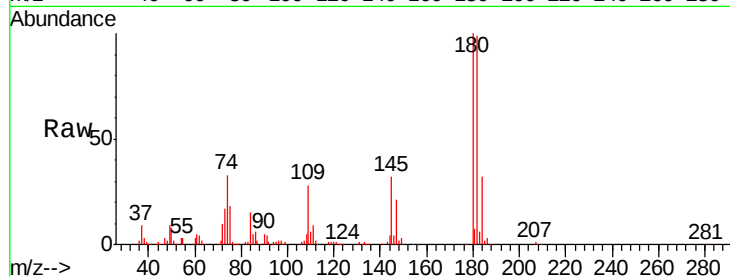




#96
 1,2,3-Trichlorobenzene
 Concen: 51.636 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tgt Ion	Resp	Lower	Upper
180	311276		
182	96.7	47.4	142.2
145	32.4	16.1	48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

