

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052794.D
 Acq On : 11 Dec 2018 11:17
 Operator : MD\SY
 Sample : VN1211WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:33:17 AM

Quant Time: Dec 12 00:49:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	925869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1423003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1260544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	595351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	524190	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	7.59	113	427125	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.09	98	1812919	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.40	95	628046	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	139332	16.072	ug/l	99
3) Chloromethane	2.06	50	185581	16.217	ug/l	99
4) Vinyl Chloride	2.19	62	197654	16.814	ug/l	100
5) Bromomethane	2.58	94	120082	16.372	ug/l	98
6) Chloroethane	2.71	64	125633	17.644	ug/l	100
7) Trichlorofluoromethane	3.03	101	266172	18.433	ug/l	100
8) Diethyl Ether	3.41	74	107294	20.121	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171226	19.004	ug/l	99
10) Methyl Iodide	3.96	142	207281	17.273	ug/l	99
11) Tert butyl alcohol	4.78	59	54651	108.288	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	159437	18.383	ug/l	98
13) Acrolein	3.61	56	43157	49.202	ug/l	96
14) Allyl chloride	4.33	41	260592	17.433	ug/l	97
15) Acrylonitrile	4.99	53	325308	101.827	ug/l	99
16) Acetone	3.81	43	238396	89.657	ug/l	99
17) Carbon Disulfide	4.06	76	400827	14.686	ug/l	99
18) Methyl Acetate	4.33	43	161536	21.179	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	479886	20.796	ug/l	99
20) Methylene Chloride	4.55	84	193462	18.593	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	171234	18.486	ug/l	94
22) Diisopropyl ether	5.95	45	608737	19.387	ug/l	99
23) Vinyl Acetate	5.90	43	1823120	93.223	ug/l	99
24) 1,1-Dichloroethane	5.85	63	347000	19.356	ug/l	99
25) 2-Butanone	6.83	43	374136	99.272	ug/l	96
26) 2,2-Dichloropropane	6.82	77	256497	20.671	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	208201	19.296	ug/l	99
28) Bromochloromethane	7.20	49	155518	18.993	ug/l	96
29) Tetrahydrofuran	7.21	42	238848	98.256	ug/l	97
30) Chloroform	7.37	83	346115	19.351	ug/l	98
31) Cyclohexane	7.65	56	300872	17.099	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	282302	19.921	ug/l	99
36) 1,1-Dichloropropene	7.79	75	254141	18.912	ug/l	100
37) Ethyl Acetate	6.93	43	162289	19.789	ug/l	99
38) Carbon Tetrachloride	7.78	117	239886	19.720	ug/l	98

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Quant Time: Dec 12 00:49:10 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	289545	17.727	ug/l	98
40) Benzene	8.04	78	778580	19.442	ug/l	100
41) Methacrylonitrile	7.17	41	92678	20.671	ug/l	94
42) 1,2-Dichloroethane	8.13	62	243730	20.100	ug/l	99
43) Isopropyl Acetate	8.17	43	313988	22.624	ug/l	96
44) Trichloroethene	8.84	130	209768	20.449	ug/l	98
45) 1,2-Dichloropropane	9.12	63	212157	19.926	ug/l	98
46) Dibromomethane	9.21	93	122252	20.742	ug/l	97
47) Bromodichloromethane	9.40	83	258167	20.146	ug/l	98
48) Methyl methacrylate	9.20	41	148638	20.540	ug/l	99
49) 1,4-Dioxane	9.20	88	32067	426.966	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	827060	106.212	ug/l	98
52) Toluene	10.16	92	476581	20.030	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	258301	20.952	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	303356	20.534	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	178845	21.369	ug/l	98
56) Ethyl methacrylate	10.43	69	230871	21.488	ug/l	98
57) 1,3-Dichloropropane	10.71	76	307179	20.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	639044	105.224	ug/l	98
59) 2-Hexanone	10.75	43	574187	109.868	ug/l	99
60) Dibromochloromethane	10.90	129	194998	21.451	ug/l	97
61) 1,2-Dibromoethane	11.01	107	174264	20.963	ug/l	99
64) Tetrachloroethene	10.63	164	223055	22.823	ug/l	98
65) Chlorobenzene	11.43	112	531378	20.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	190019	21.025	ug/l	99
67) Ethyl Benzene	11.51	91	913867	20.077	ug/l	99
68) m/p-Xylenes	11.62	106	690121	40.727	ug/l	99
69) o-Xylene	11.95	106	341971	20.782	ug/l	98
70) Styrene	11.96	104	555556	21.197	ug/l	99
71) Bromoform	12.13	173	129403	21.625	ug/l #	100
73) Isopropylbenzene	12.25	105	904241	19.359	ug/l	99
74) N-amyl acetate	12.07	43	254638	21.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	205680	19.358	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179218m	19.521	ug/l	
77) Bromobenzene	12.53	156	233670	20.240	ug/l	96
78) n-propylbenzene	12.59	91	1026928	19.353	ug/l	99
79) 2-Chlorotoluene	12.68	91	617118	19.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	731068	19.625	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54385	19.783	ug/l	99
82) 4-Chlorotoluene	12.77	91	627450	19.702	ug/l	100
83) tert-Butylbenzene	12.99	119	652464	19.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	743366	19.912	ug/l	100
85) sec-Butylbenzene	13.17	105	881520	19.488	ug/l	100
86) p-Isopropyltoluene	13.29	119	755565	19.611	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	404950	20.052	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398736	20.045	ug/l	98
89) n-Butylbenzene	13.62	91	626399	19.550	ug/l	99
90) Hexachloroethane	13.88	117	123862	18.987	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	393740	20.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32610	21.459	ug/l	99

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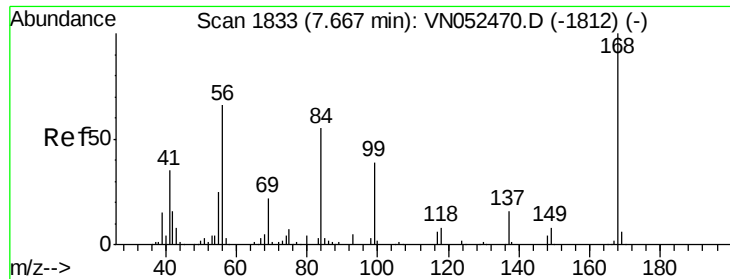
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	213808	21.914	ug/l	99
94) Hexachlorobutadiene	15.01	225	127683	20.571	ug/l	97
95) Naphthalene	15.14	128	452489	22.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	199571	22.143	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion:168 Resp: 925869

Ion Ratio Lower Upper

168 100

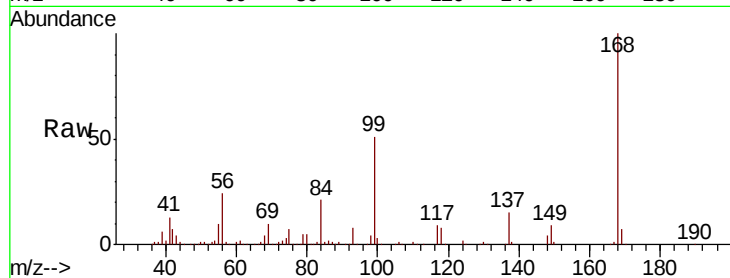
99 50.5 41.7 62.5

Manual Integrations

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12/12/2018 11:33:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

400000

300000

200000

100000

0

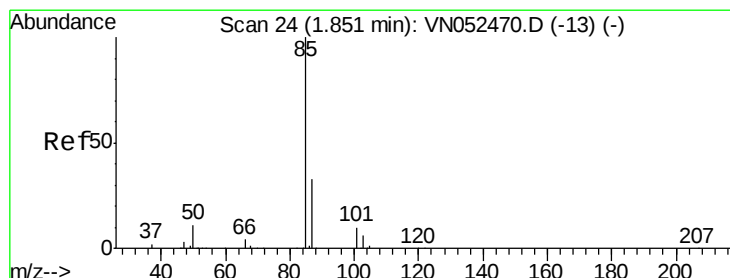
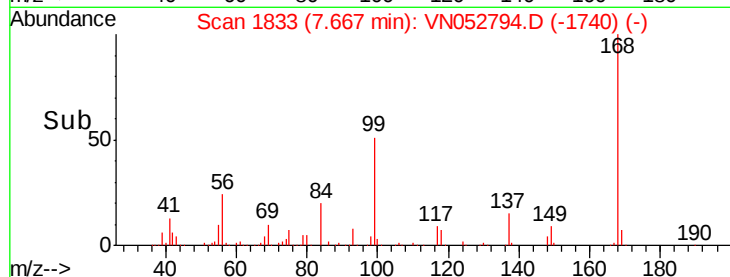
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.072 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052794.D

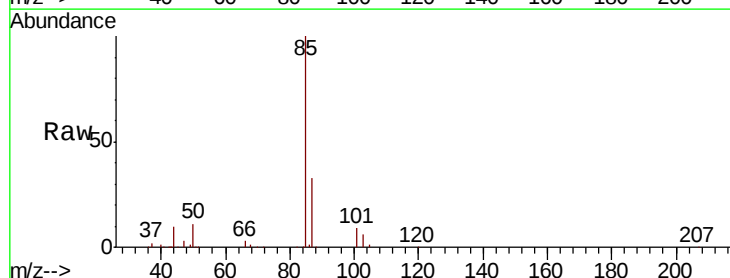
Acq: 11 Dec 2018 11:17

Tgt Ion: 85 Resp: 139332

Ion Ratio Lower Upper

85 100

87 32.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

120000

100000

80000

60000

40000

20000

0

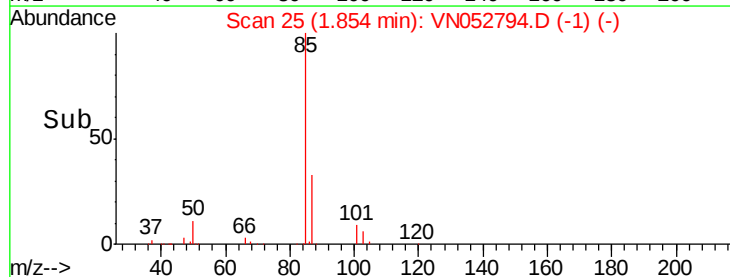
1.85

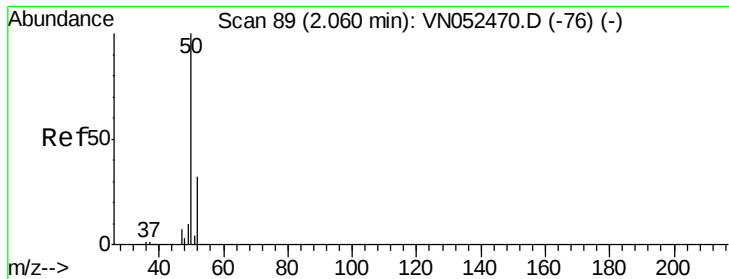
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 16.217 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 50 Resp: 185581

Ion Ratio Lower Upper

50 100

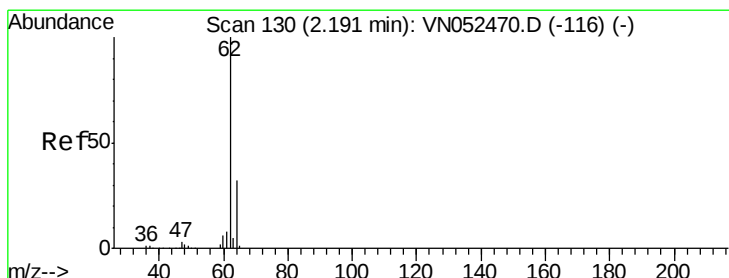
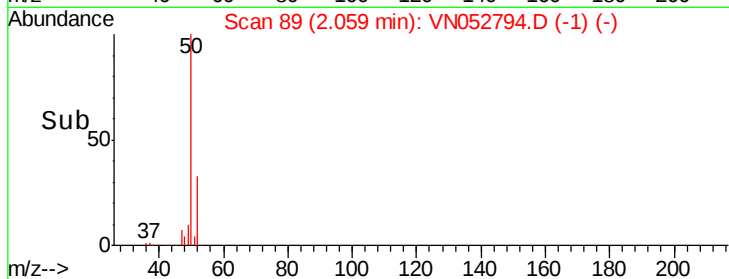
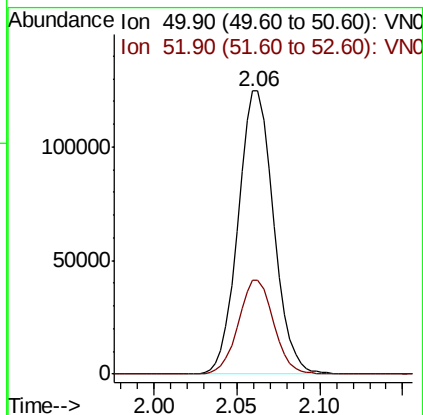
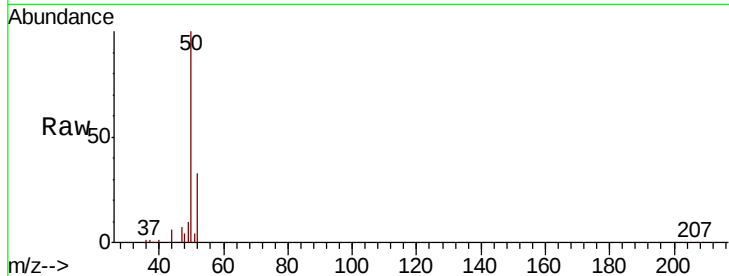
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.814 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052794.D

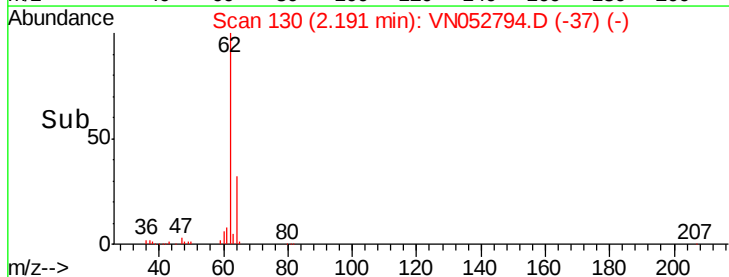
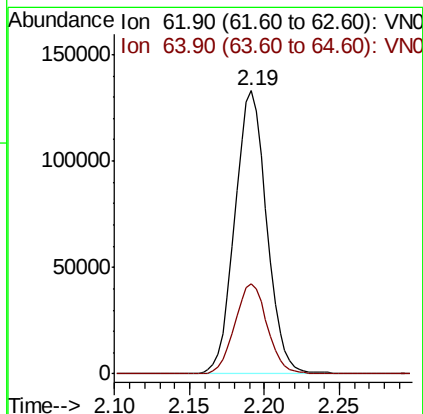
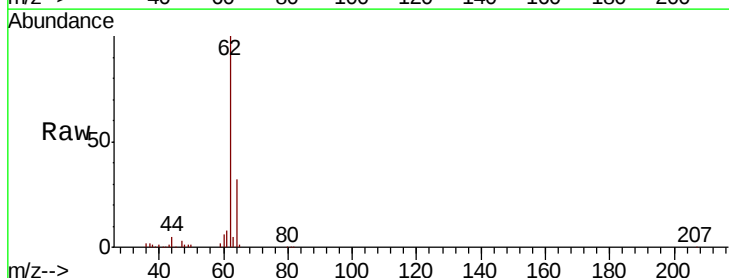
Acq: 11 Dec 2018 11:17

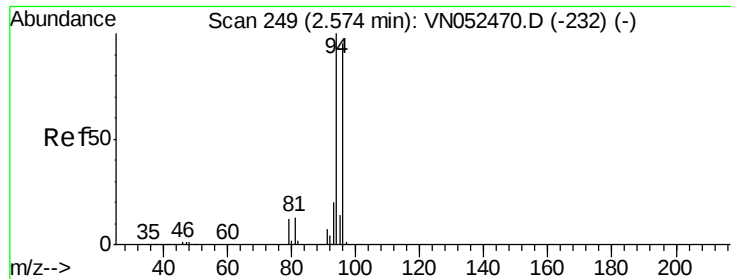
Tgt Ion: 62 Resp: 197654

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 16.372 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 94 Resp: 120082

Ion Ratio Lower Upper

94 100

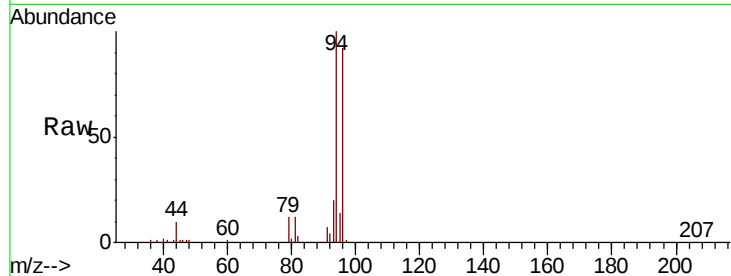
96 92.4 75.8 113.8

Manual Integrations

APPROVED

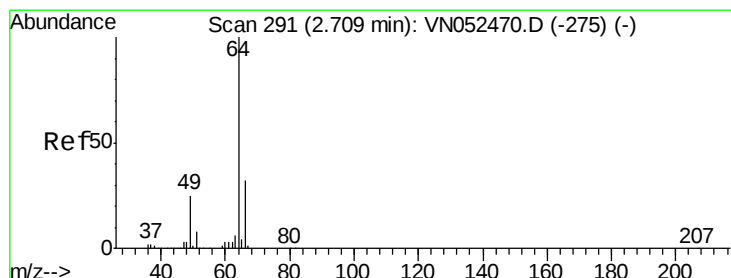
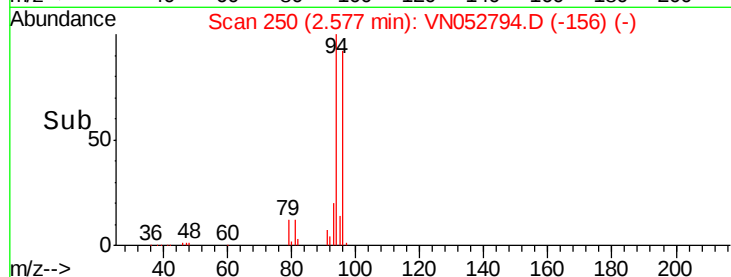
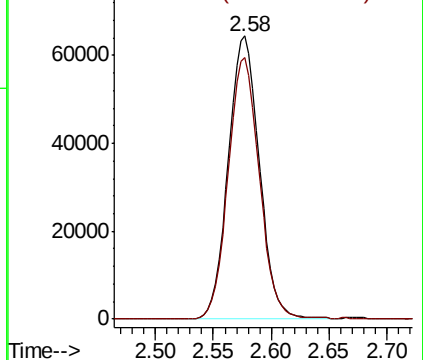
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.644 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052794.D

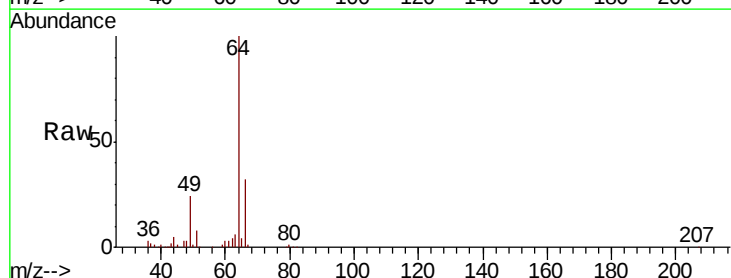
Acq: 11 Dec 2018 11:17

Tgt Ion: 64 Resp: 125633

Ion Ratio Lower Upper

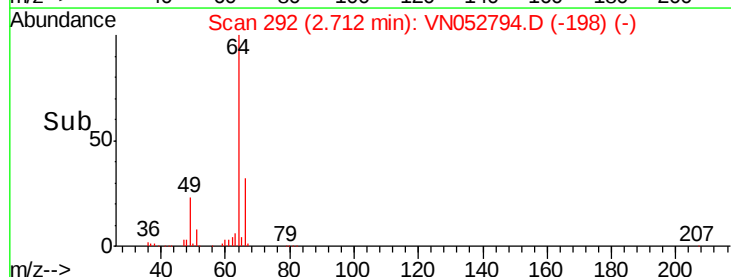
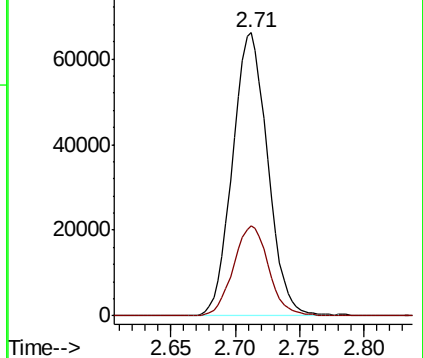
64 100

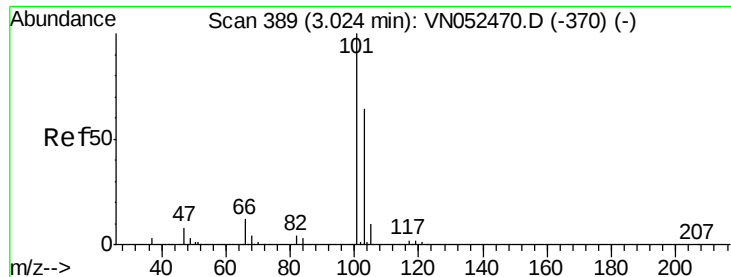
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

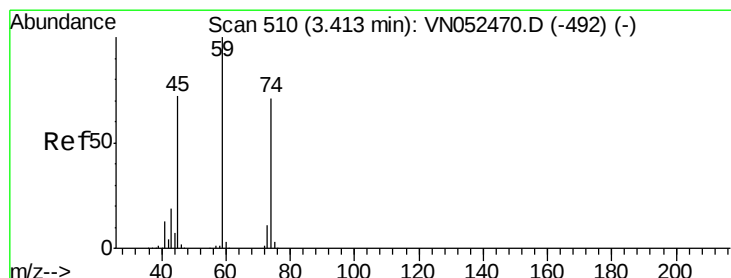
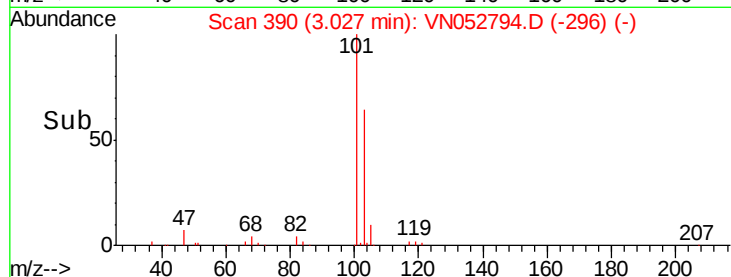
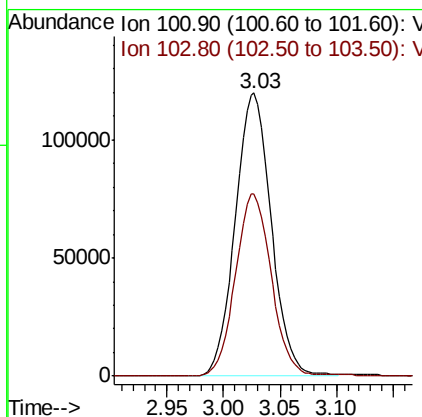
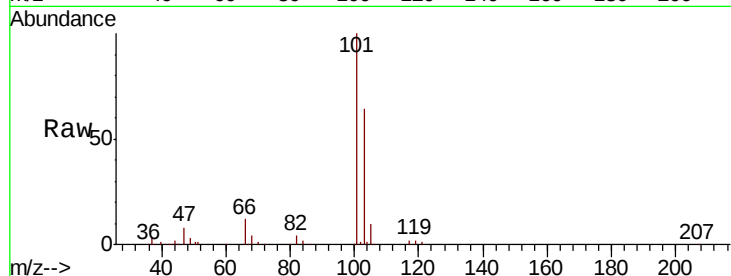
Trichlorofluoromethane
Concen: 18.433 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
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VN1211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	266172		
103	64.2	51.4	77.2	

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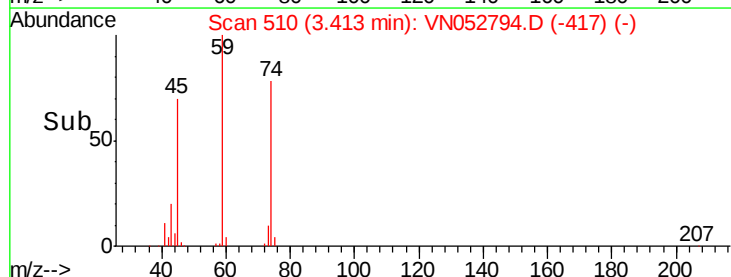
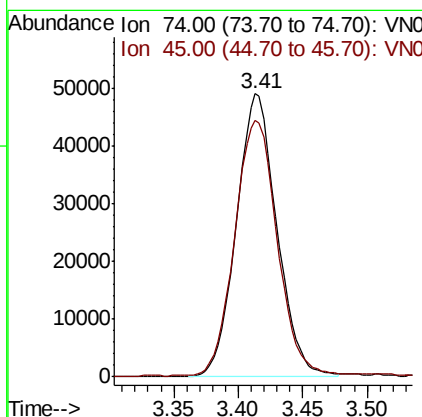
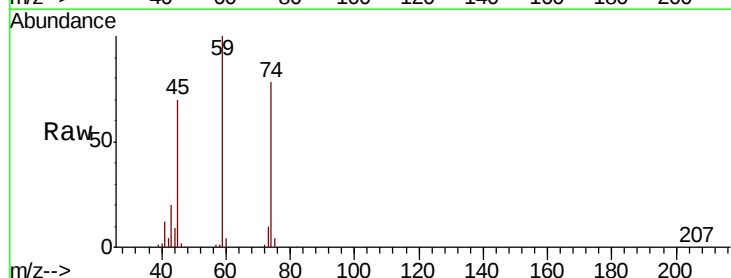
MMDadoda
12/12/2018 11:33:17 AM



#8

Diethyl Ether
Concen: 20.121 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	107294		
45	94.4	50.4	151.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.004 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

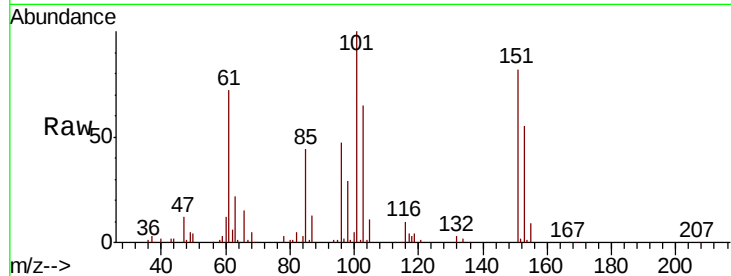
ClientSampleId :

VN1211WBSD01

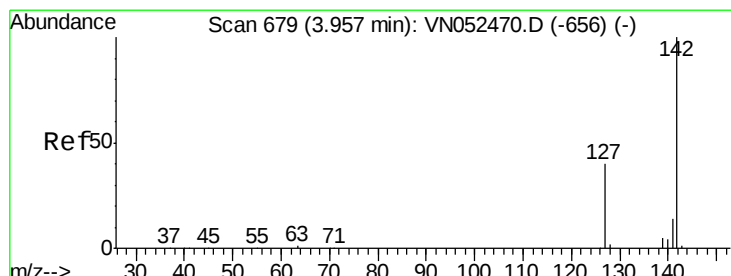
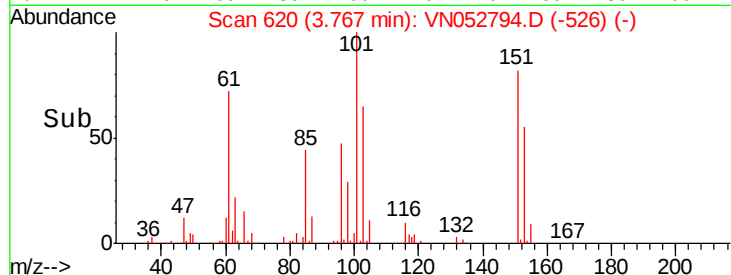
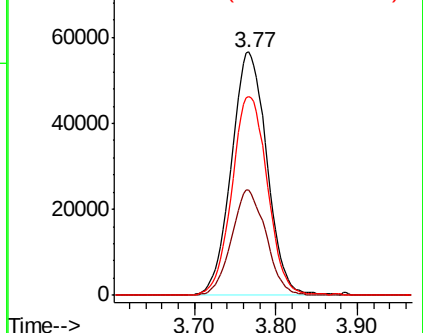
Tot Ion:	101	Resp:	171226
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	81.8	64.6	96.8

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



#10

Methyl Iodide

Concen: 17.273 ug/l

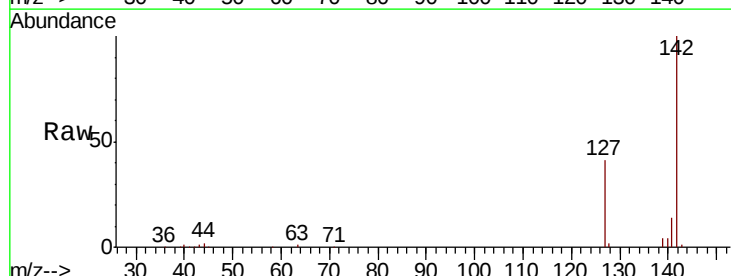
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

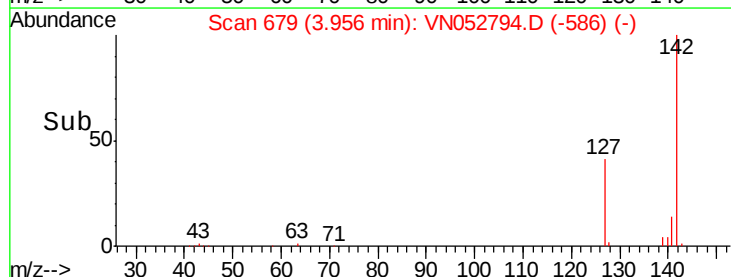
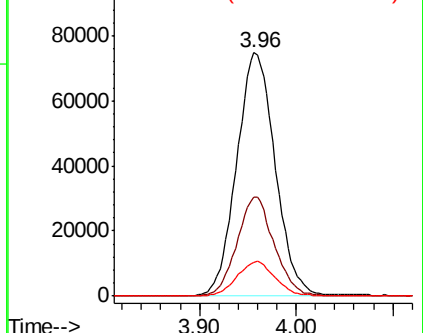
Lab File: VN052794.D

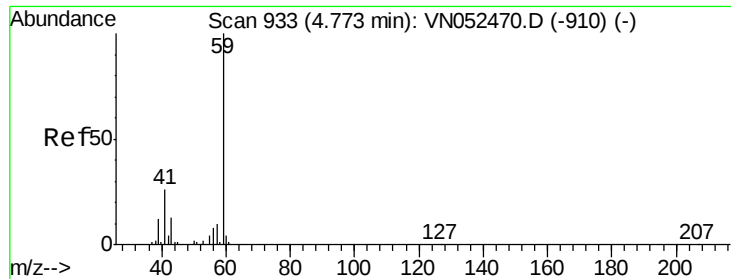
Acq: 11 Dec 2018 11:17

Tgt Ion:	142	Resp:	207281
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.8	47.6
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





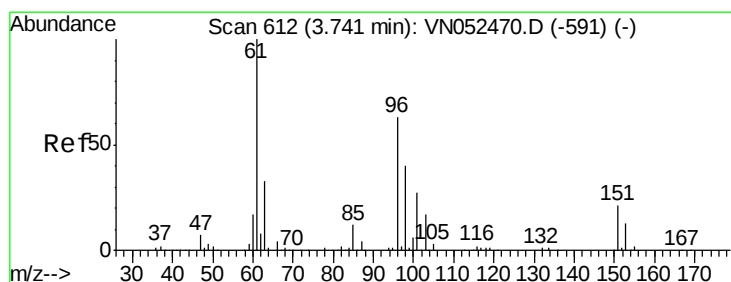
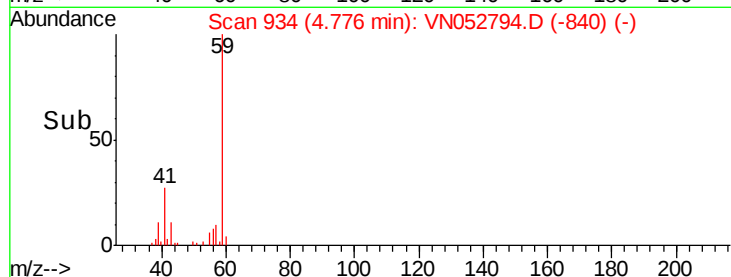
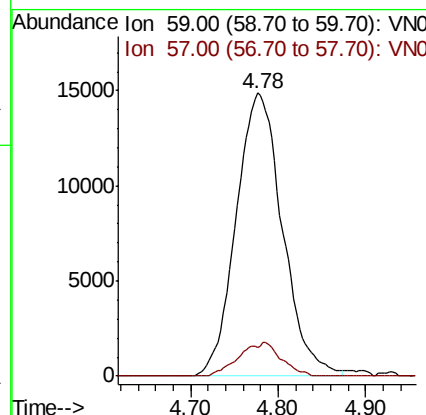
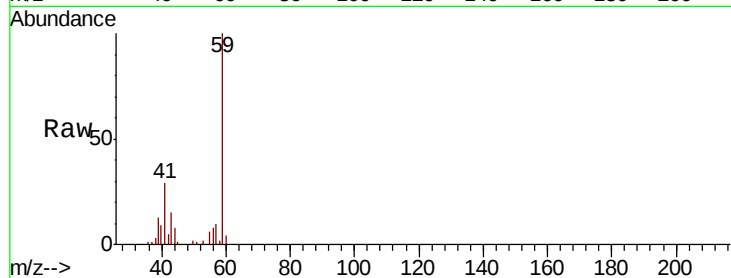
#11
Tert butyl alcohol
Concen: 108.288 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion: 59 Resp: 54651
Ion Ratio Lower Upper
59 100
57 5.2 7.9 11.9#

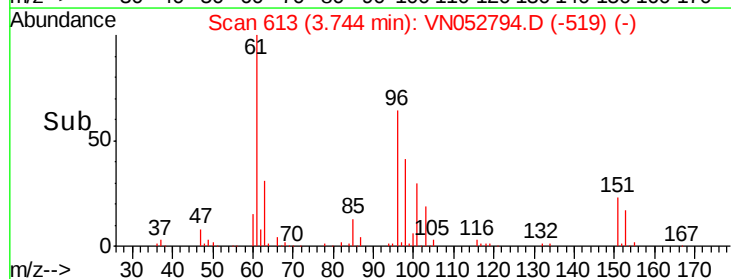
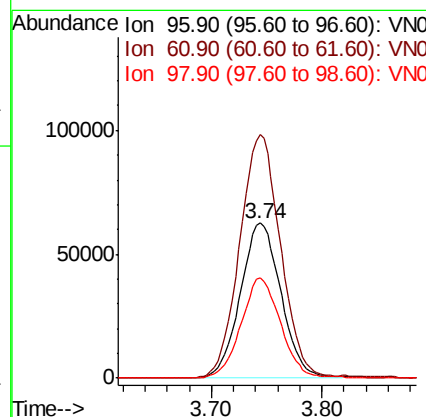
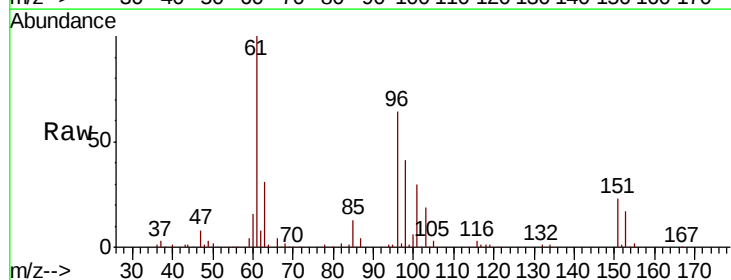
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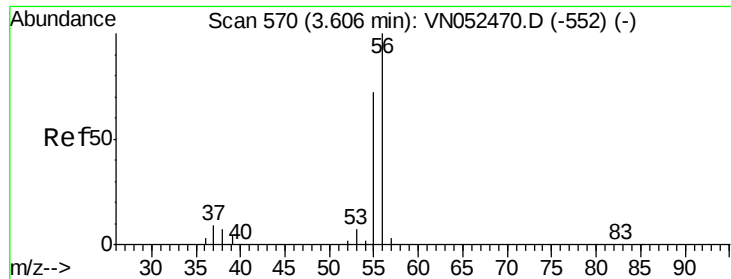
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#12
1,1-Dichloroethene
Concen: 18.383 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion: 96 Resp: 159437
Ion Ratio Lower Upper
96 100
61 156.8 127.0 190.6
98 64.8 50.3 75.5





#13

Acrolein

Concen: 49.202 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 56 Resp: 43157

Ion Ratio Lower Upper

56 100

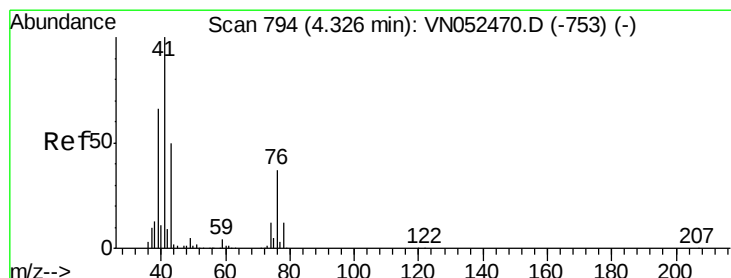
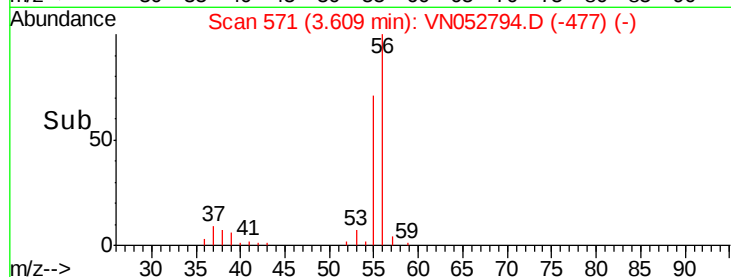
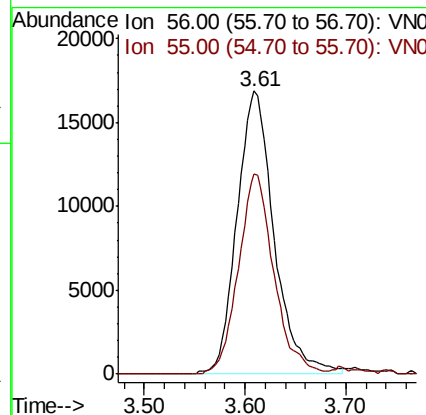
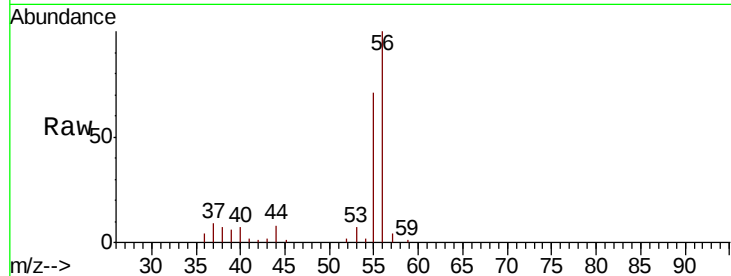
55 67.4 56.8 85.2

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#14

Allyl chloride

Concen: 17.433 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

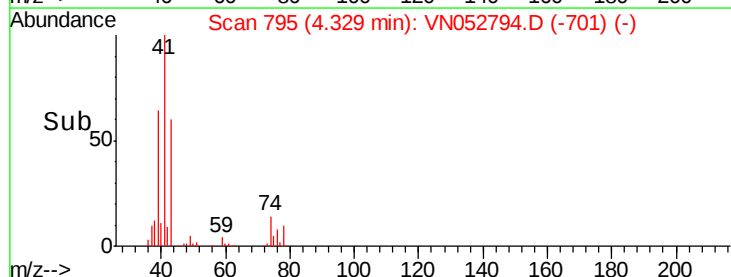
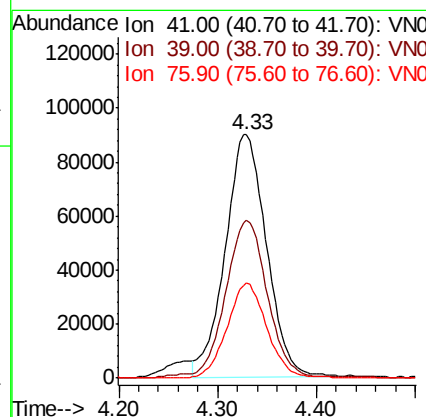
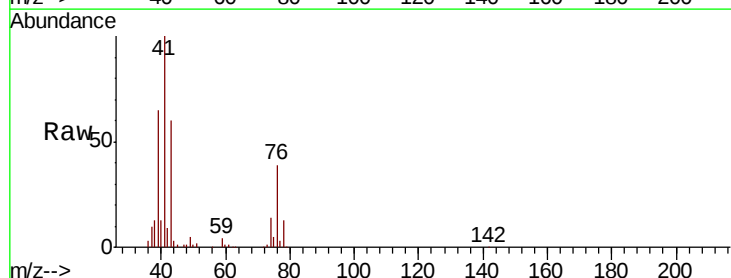
Tgt Ion: 41 Resp: 260592

Ion Ratio Lower Upper

41 100

39 64.9 50.6 76.0

76 37.3 27.4 41.2





#15

Acrylonitrile

Concen: 101.827 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

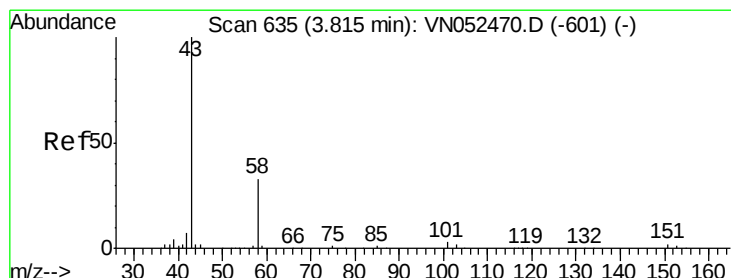
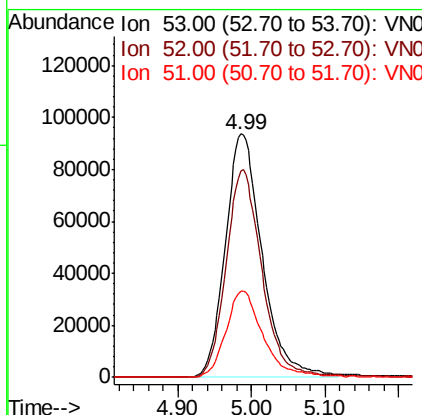
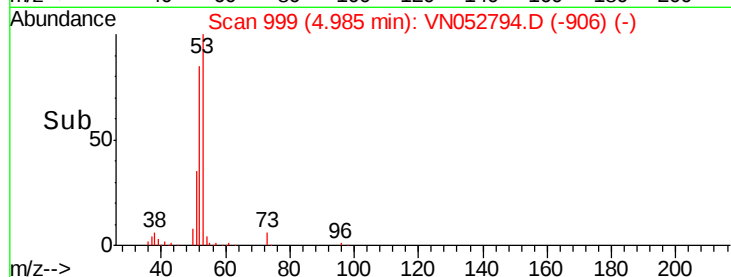
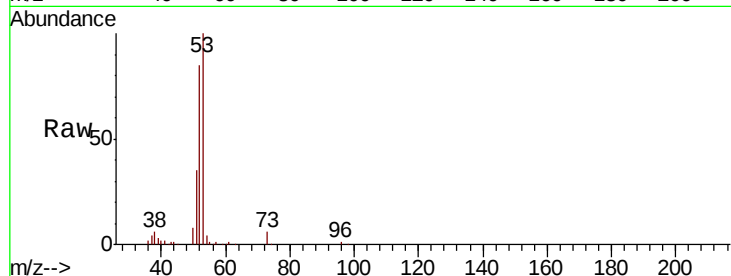
ClientSampleId :

VN1211WBSD01

Tot Ion:	53	Resp:	325308
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.0	28.1	42.1

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#16

Acetone

Concen: 89.657 ug/l

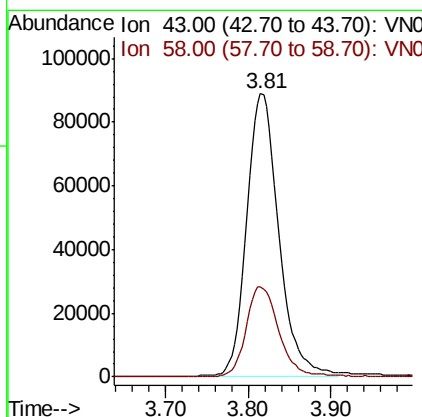
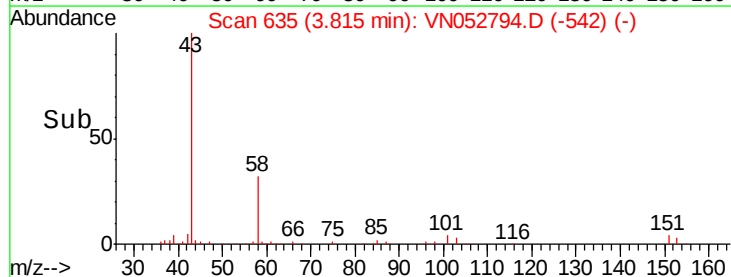
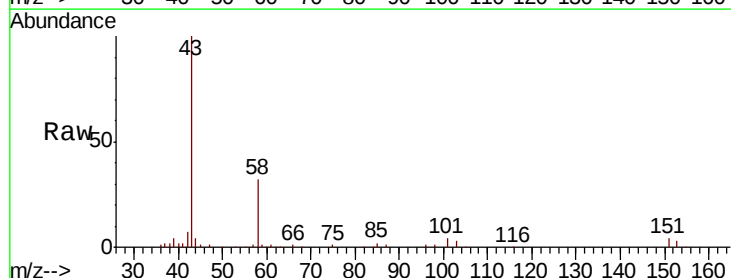
RT: 3.81 min Scan# 635

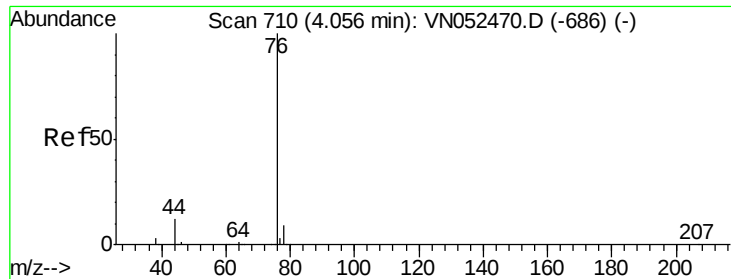
Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	43	Resp:	238396
Ion Ratio		Lower	Upper
43	100		
58	32.1	26.0	39.0





#17

Carbon Disulfide

Concen: 14.686 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 76 Resp: 400827

Ion Ratio Lower Upper

76 100

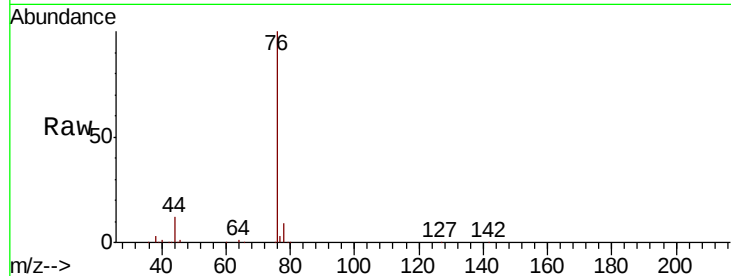
78 8.9 7.4 11.0

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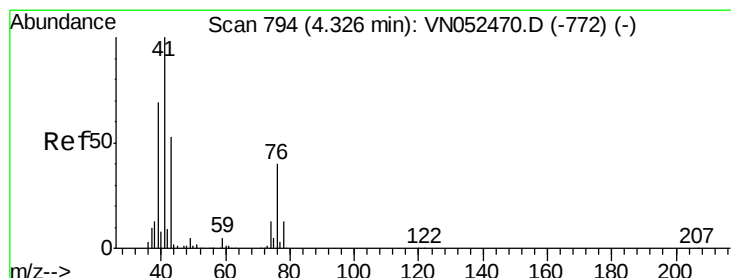
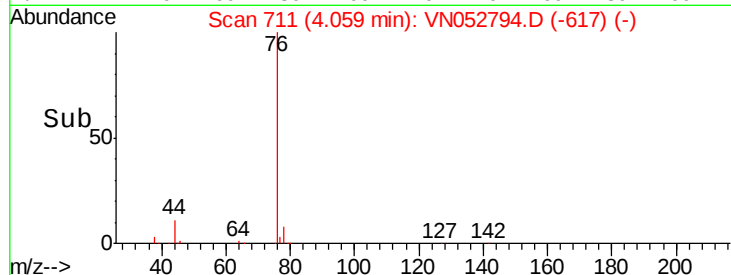
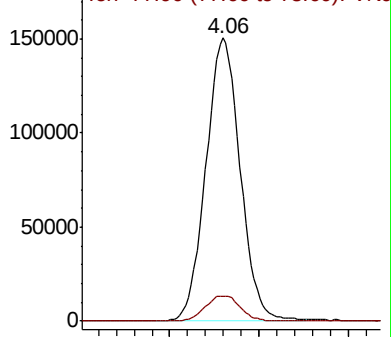
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.179 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052794.D

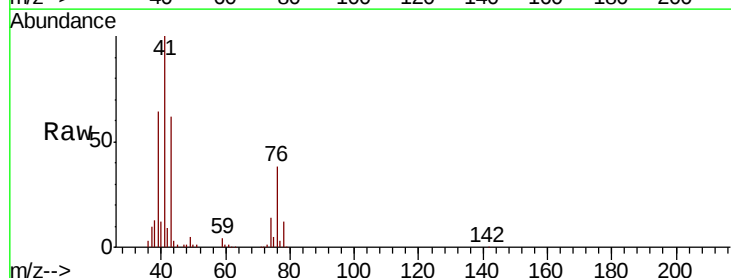
Acq: 11 Dec 2018 11:17

Tgt Ion: 43 Resp: 161536

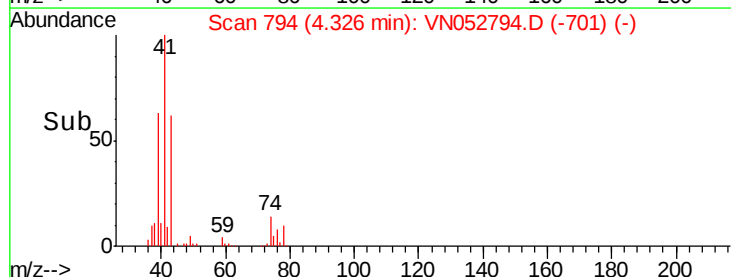
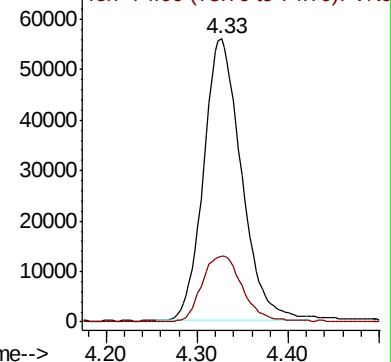
Ion Ratio Lower Upper

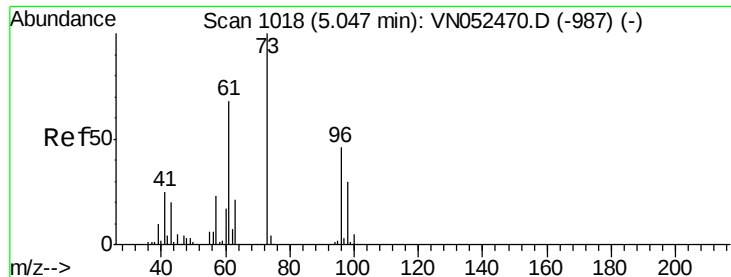
43 100

74 25.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





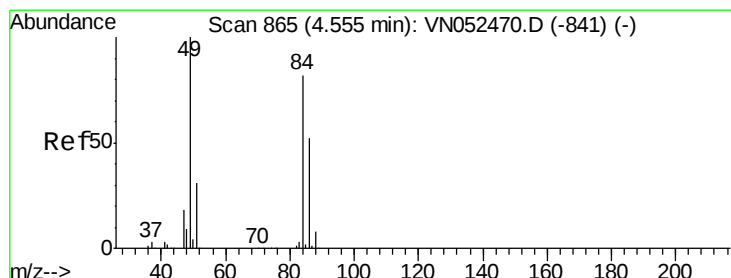
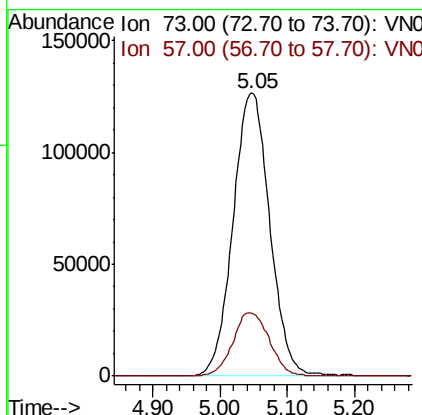
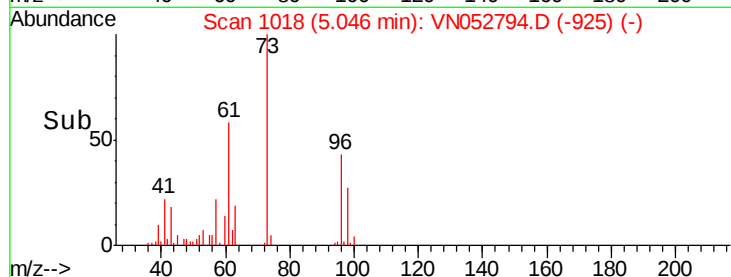
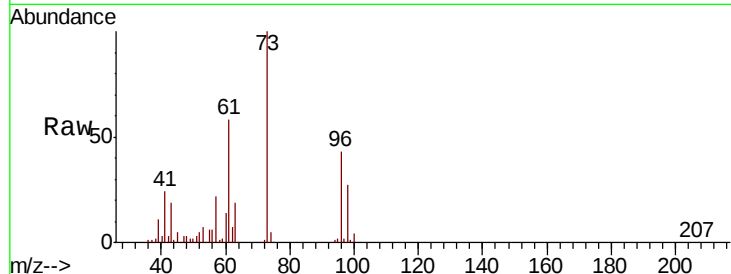
#19
Methvl tert-butvl Ether
Concen: 20.796 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion: 73 Resp: 479886
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.2

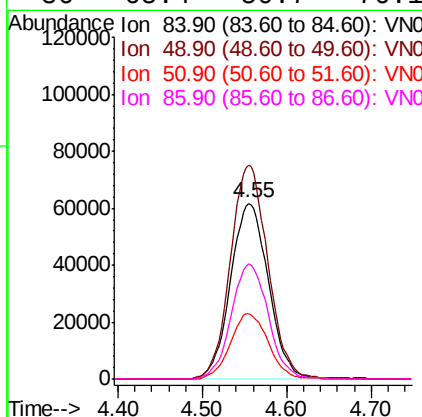
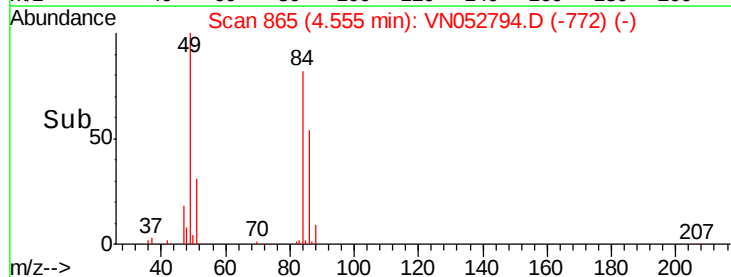
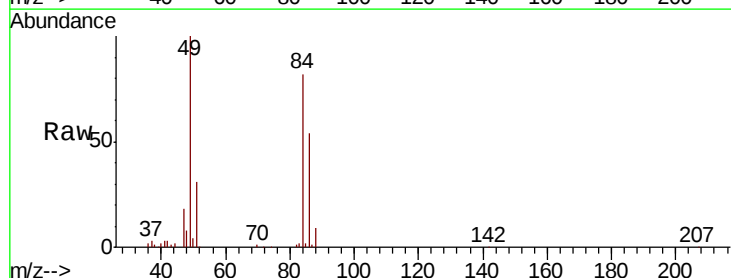
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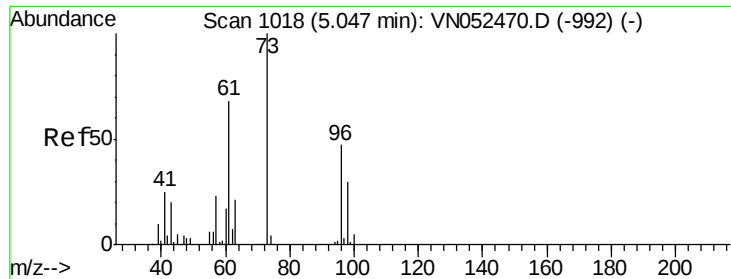
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#20
Methylene Chloride
Concen: 18.593 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion: 84 Resp: 193462
Ion Ratio Lower Upper
84 100
49 121.5 98.0 147.0
51 37.3 30.1 45.1
86 65.4 50.7 76.1





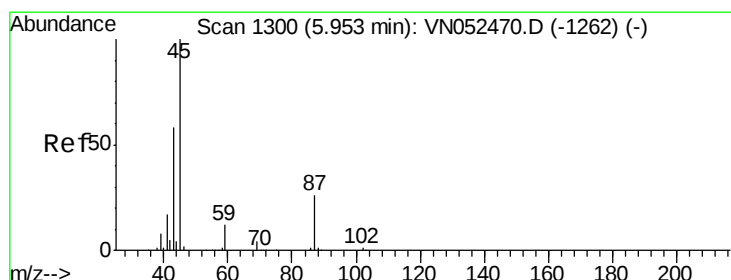
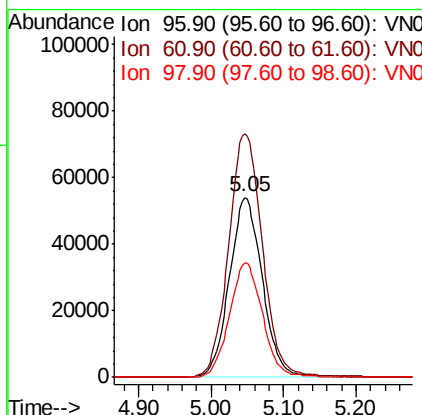
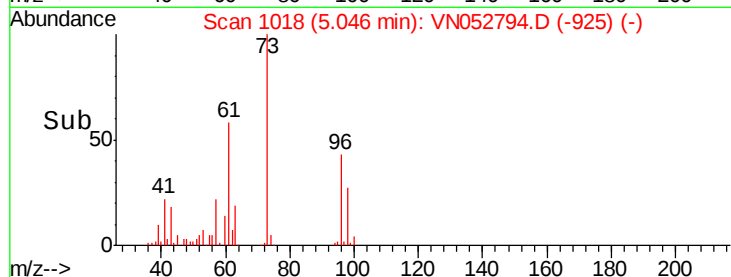
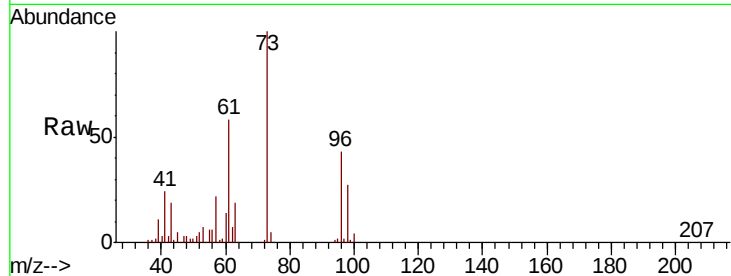
#21
trans-1,2-Dichloroethene
Concen: 18.486 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	117.0	175.4
98	63.9	51.8	77.6

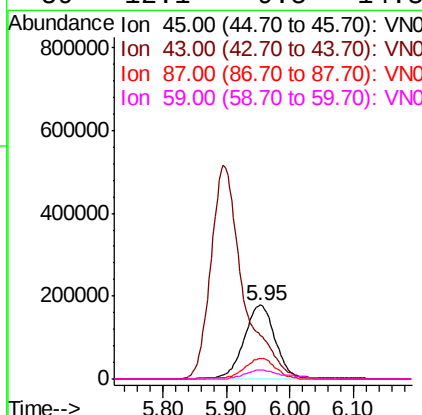
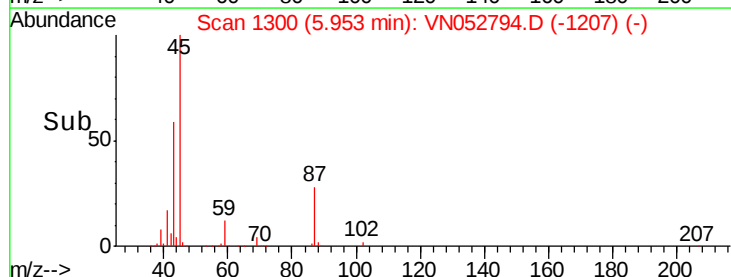
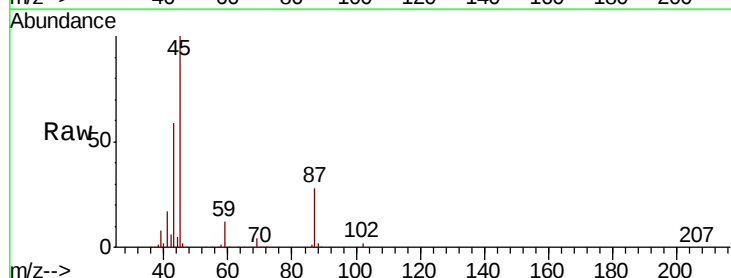
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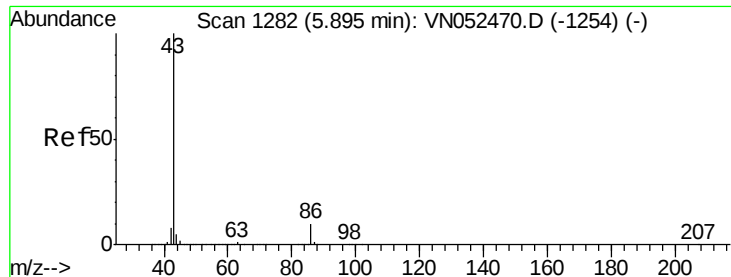
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#22
Diisopropyl ether
Concen: 19.387 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.1	69.1
87	27.7	21.3	31.9
59	12.1	9.5	14.3





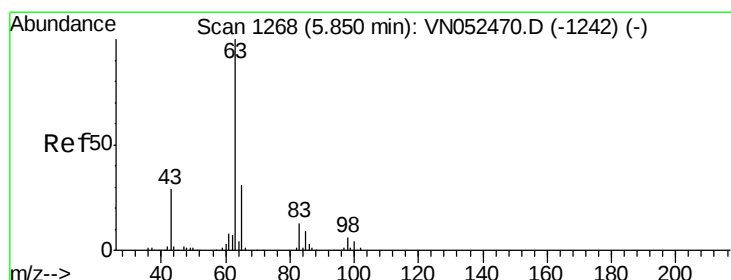
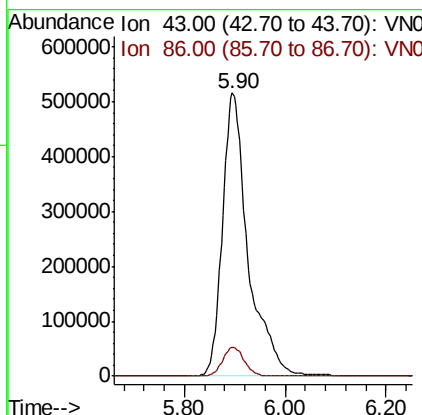
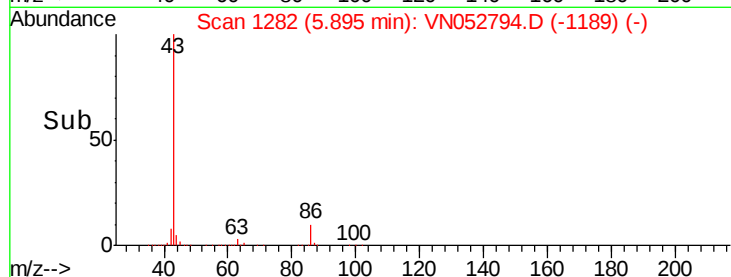
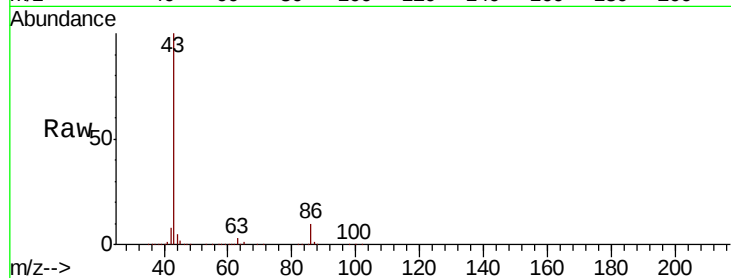
#23
 Vinyl Acetate
 Concen: 93.223 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion: 43 Resp: 1823120
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8

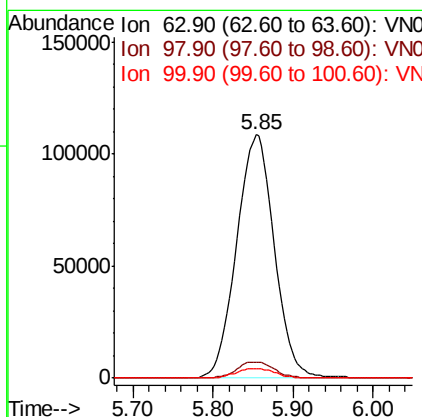
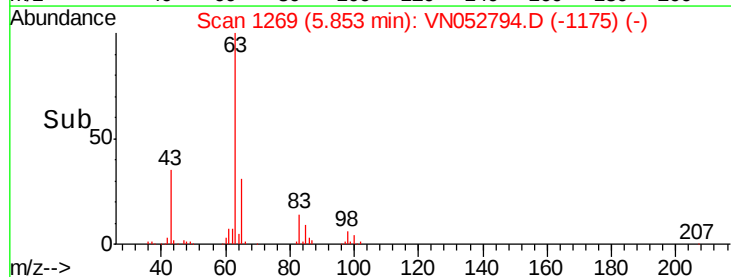
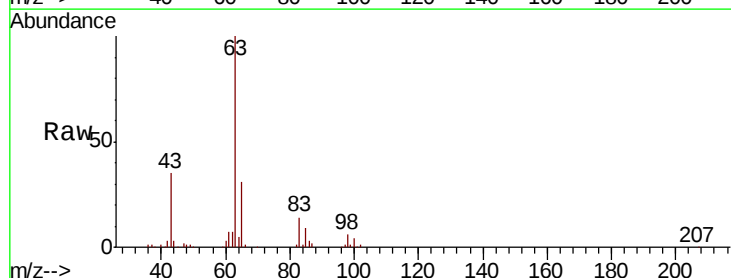
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#24
 1,1-Dichloroethane
 Concen: 19.356 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion: 63 Resp: 347000
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.2
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 99.272 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 43 Resp: 374136

Ion Ratio Lower Upper

43 100

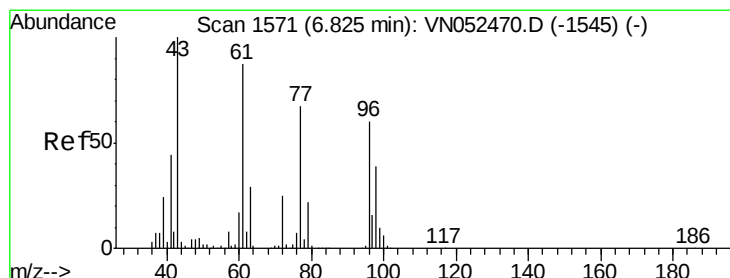
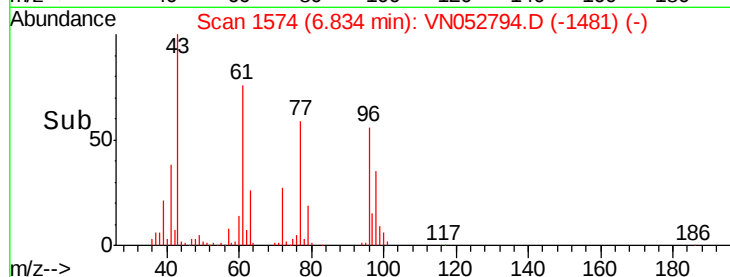
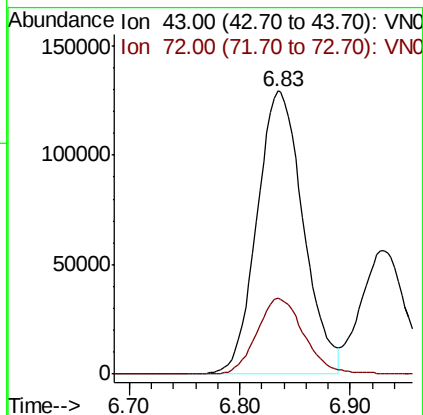
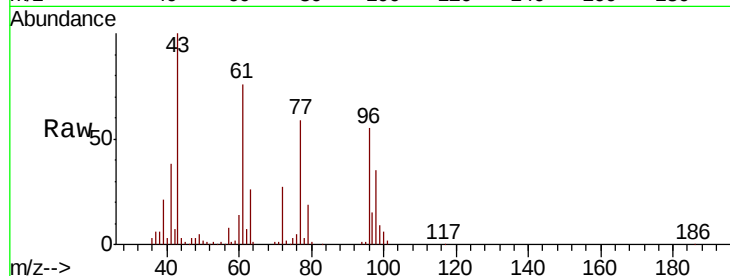
72 26.9 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.671 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052794.D

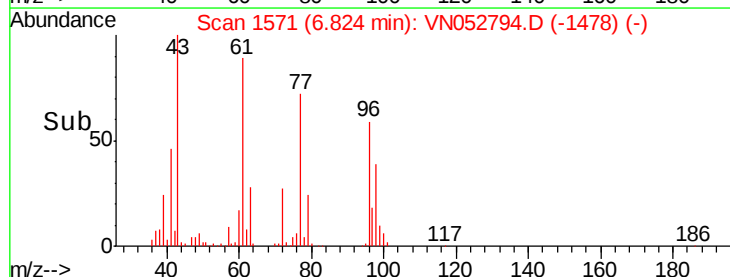
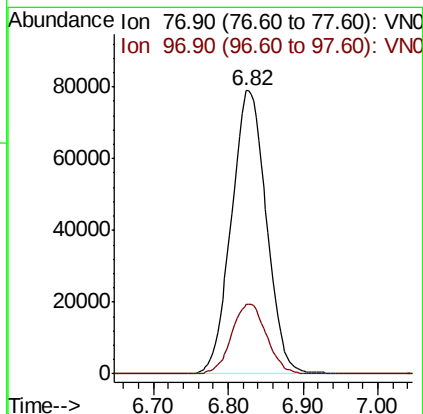
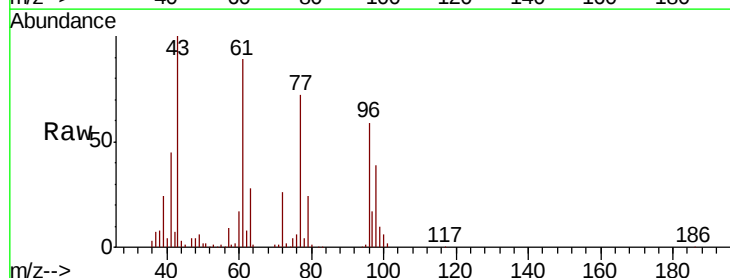
Acq: 11 Dec 2018 11:17

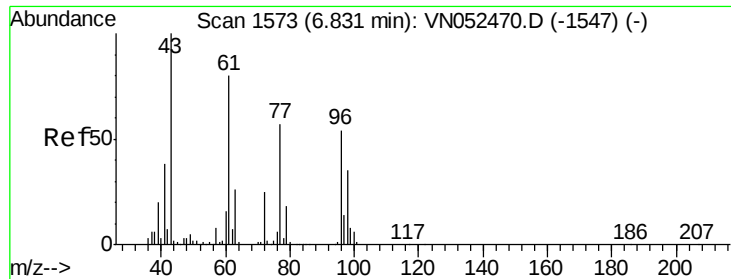
Tgt Ion: 77 Resp: 256497

Ion Ratio Lower Upper

77 100

97 24.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.296 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

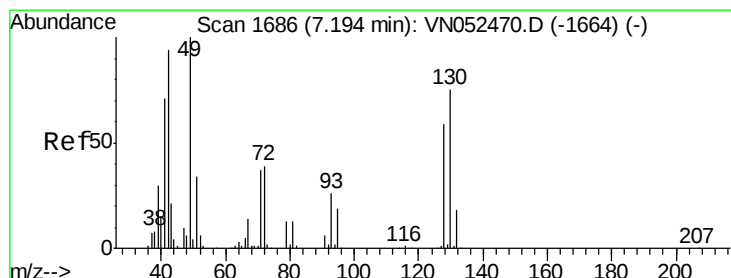
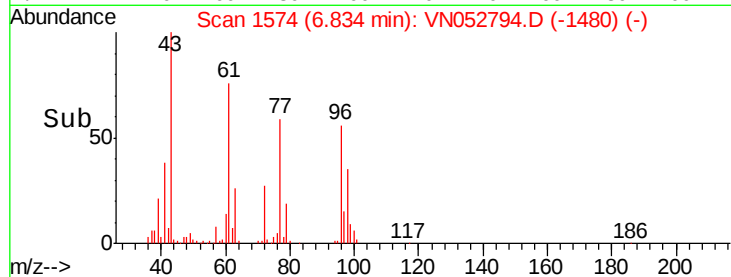
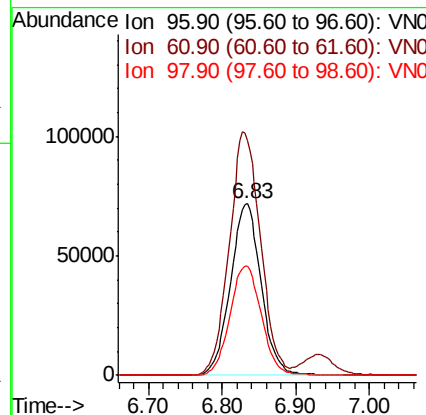
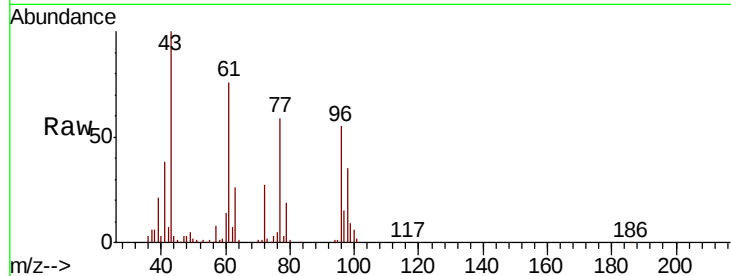
ClientSampleId :

VN1211WBSD01

Tot Ion:	96	Resp:	208201
Ion Ratio	Lower	Upper	
96	100		
61	143.8	0.0	291.0
98	65.3	0.0	130.0

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#28

Bromochloromethane

Concen: 18.993 ug/l

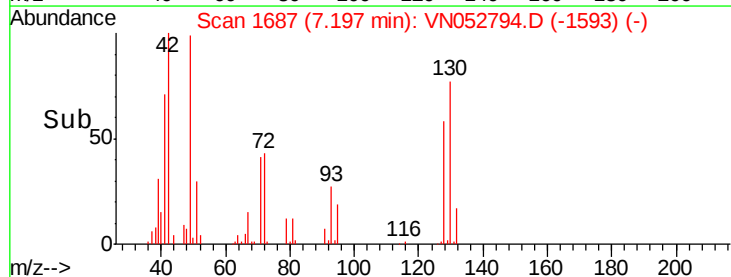
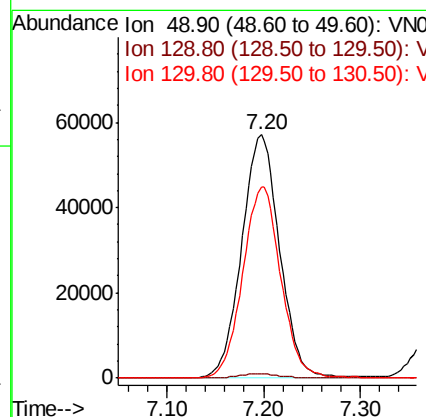
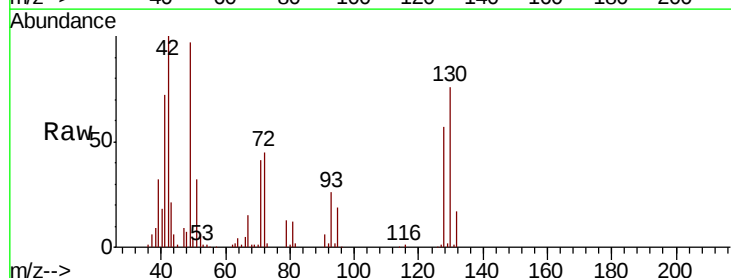
RT: 7.20 min Scan# 1687

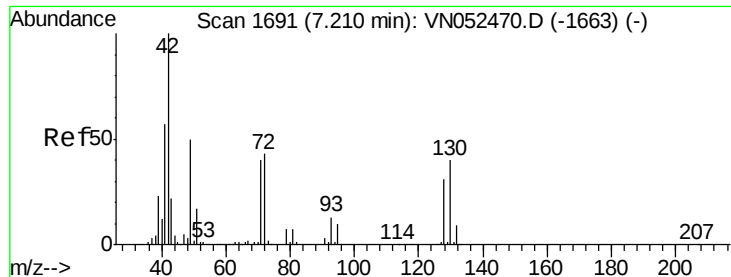
Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	49	Resp:	155518
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	78.8	60.2	90.2





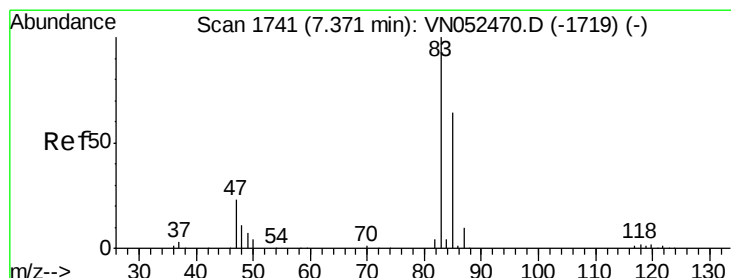
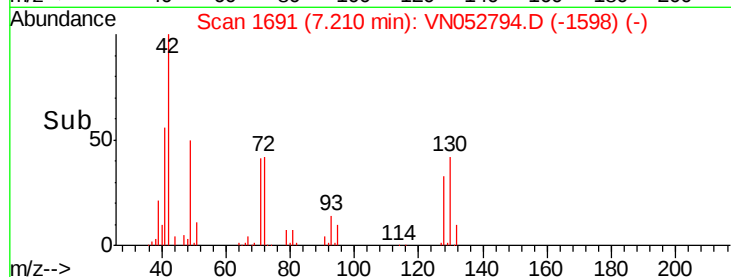
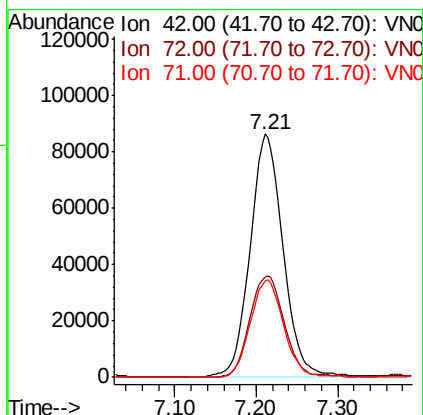
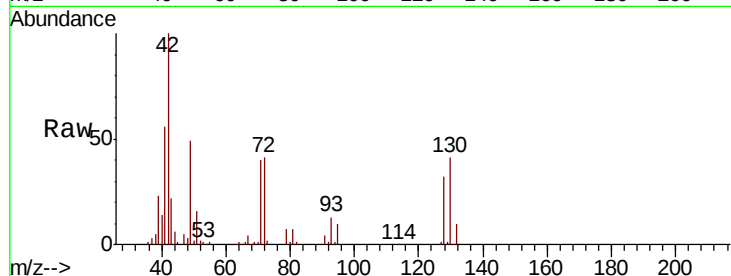
#29
Tetrahydrofuran
Concen: 98.256 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	33.3	49.9
71	40.7	32.0	48.0

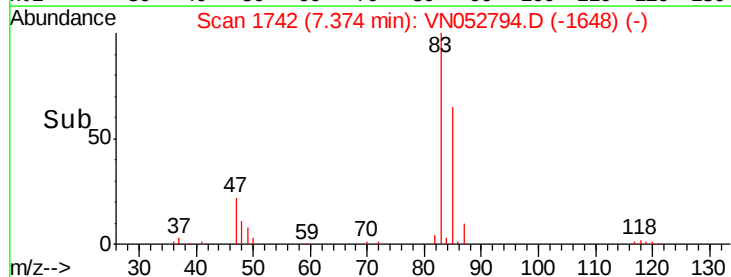
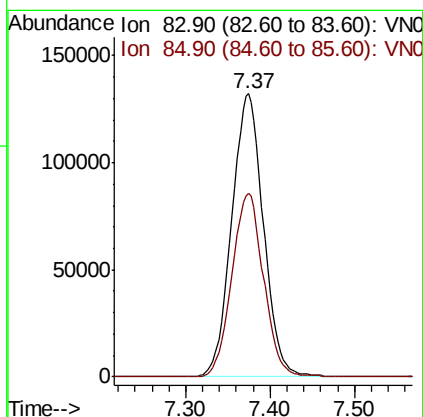
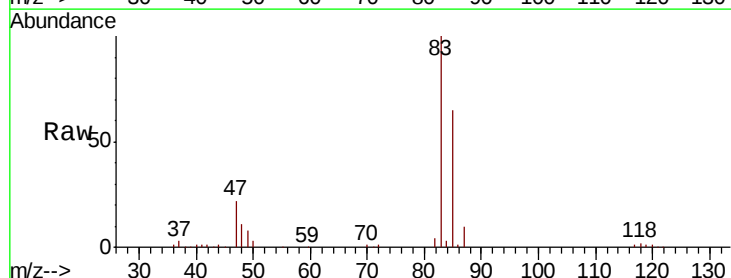
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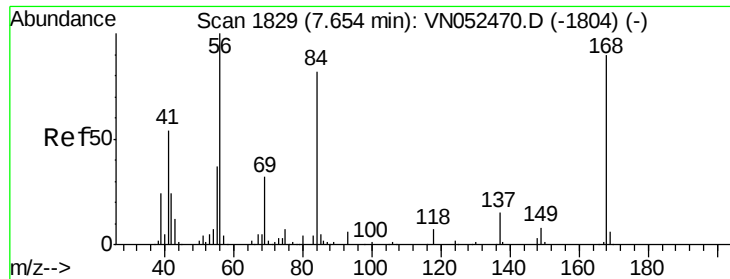
MMDadoda
12/12/2018 11:33:17 AM



#30
Chloroform
Concen: 19.351 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.4





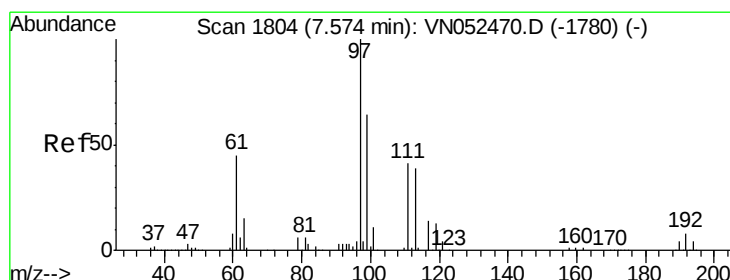
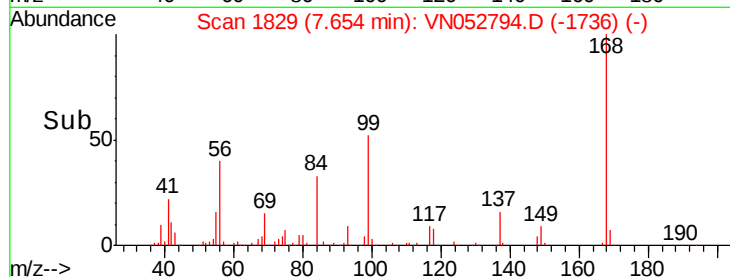
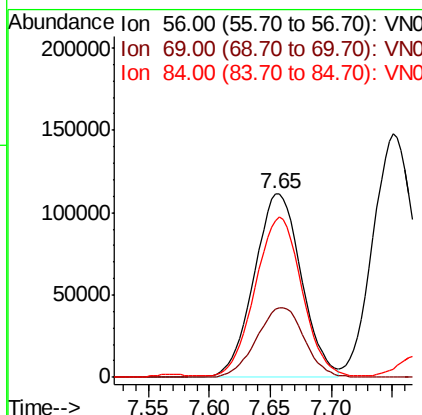
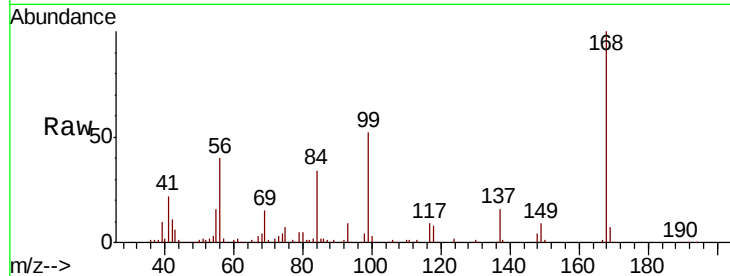
#31
Cyclohexane
Concen: 17.099 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	25.8	38.6
84	84.3	65.3	97.9

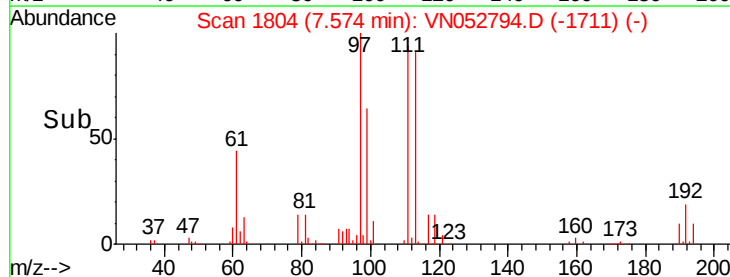
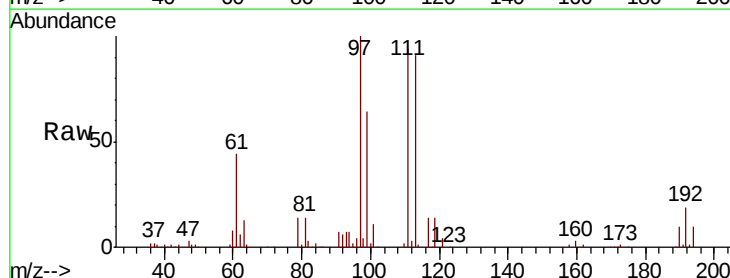
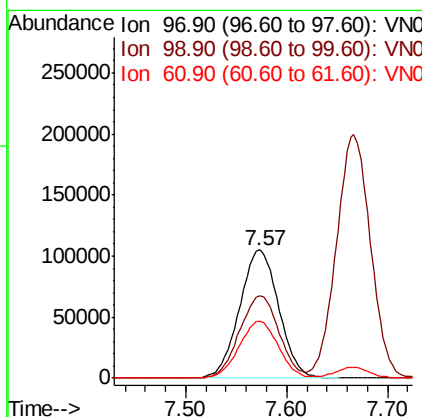
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#32
1,1,1-Trichloroethane
Concen: 19.921 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	44.3	36.8	55.2





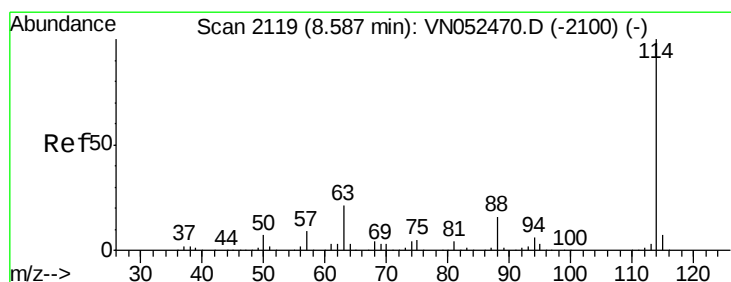
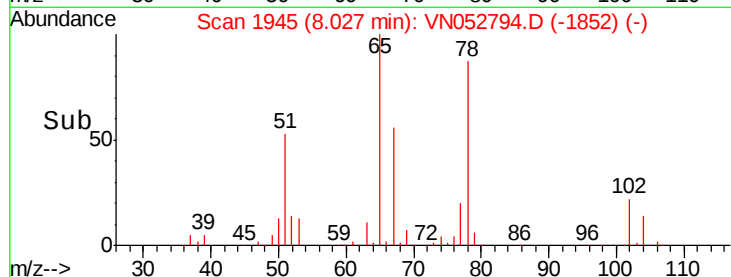
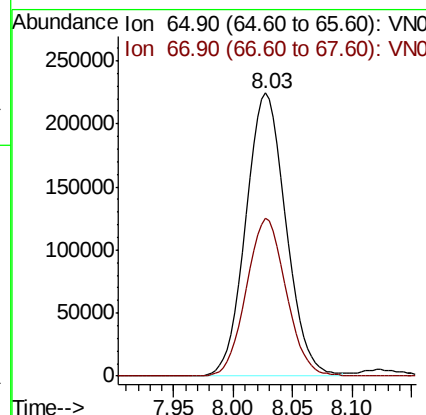
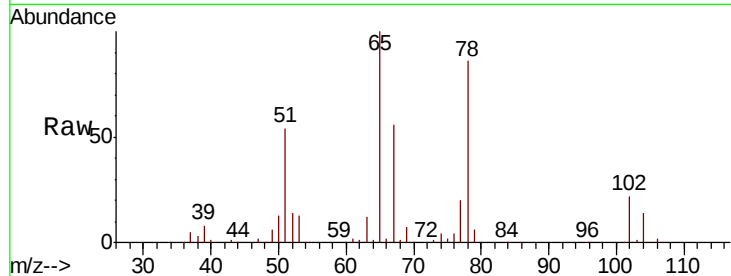
#33
 1,2-Dichloroethane-d4
 Concen: 19.921 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	524190		
67	55.5	0.0	109.8	

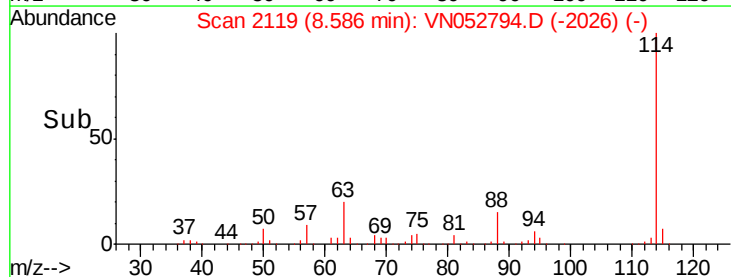
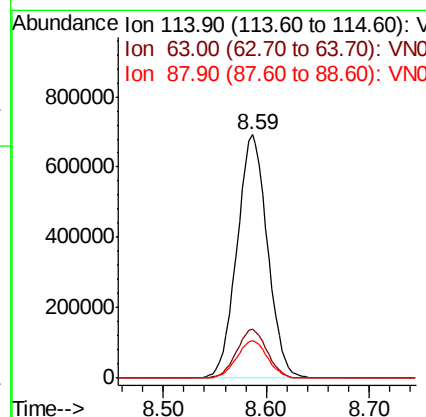
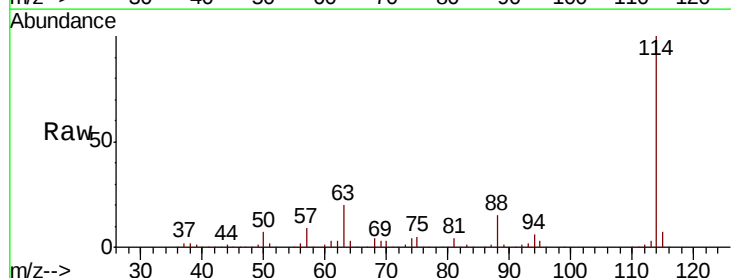
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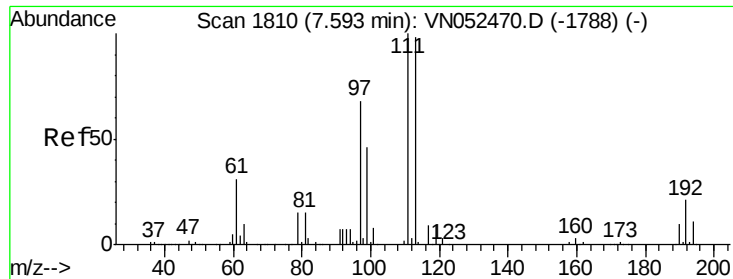
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1423003		
63	20.1	0.0	41.8	
88	15.4	0.0	31.6	





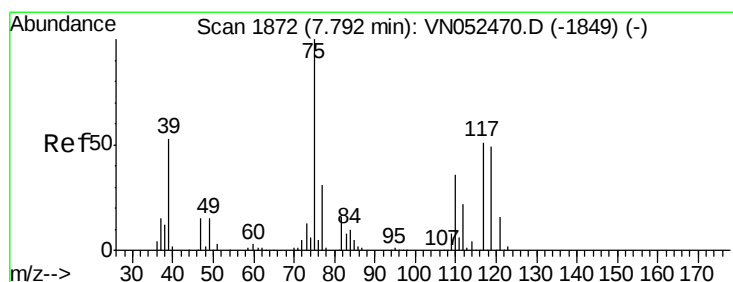
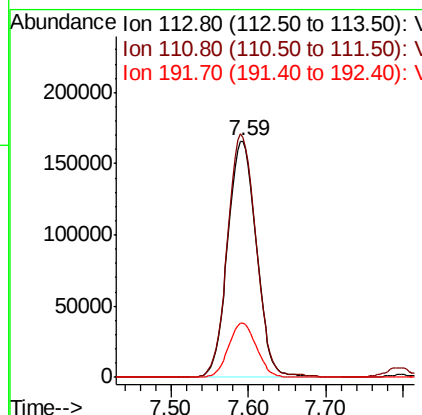
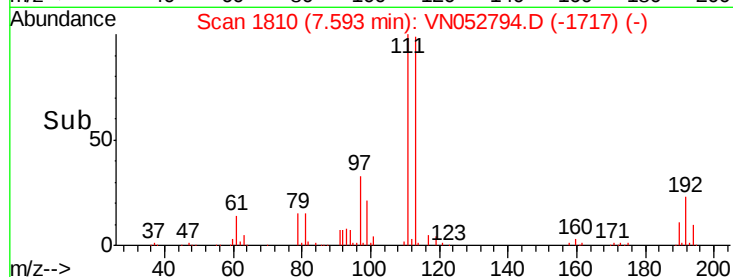
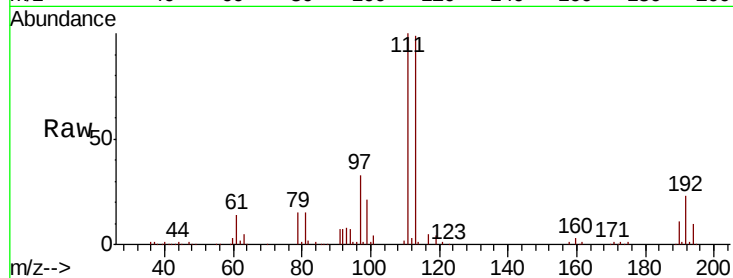
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.0	123.0	
192	22.3	17.0	25.6	

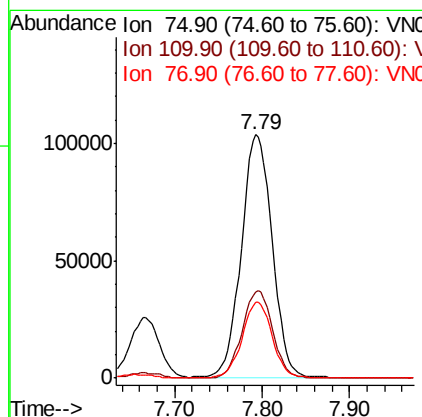
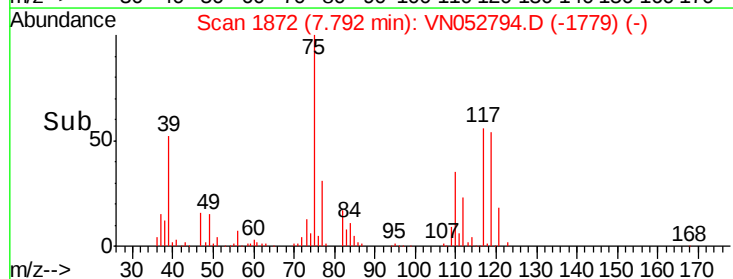
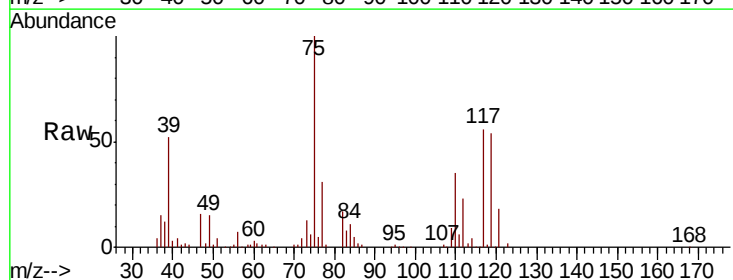
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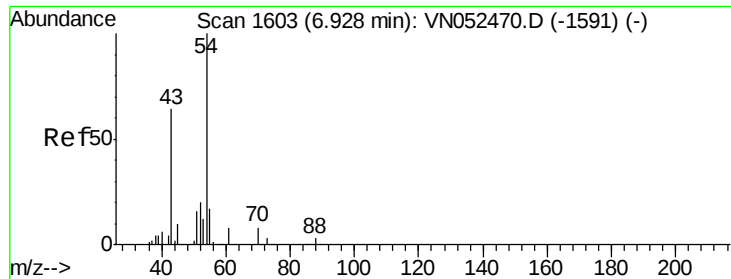
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#36
1,1-Dichloropropene
Concen: 18.912 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	17.5	52.6	
77	30.7	24.5	36.7	





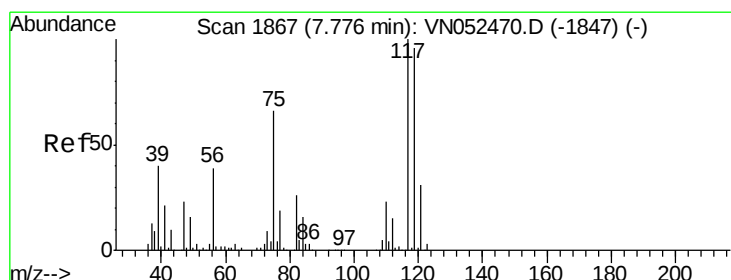
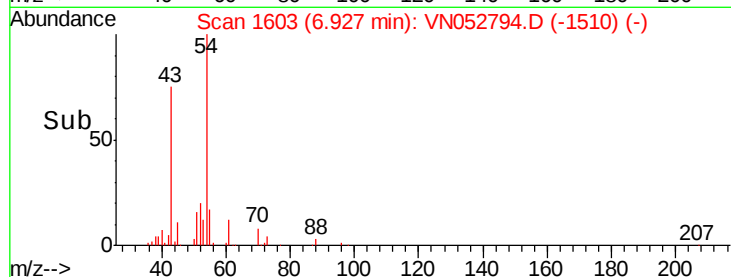
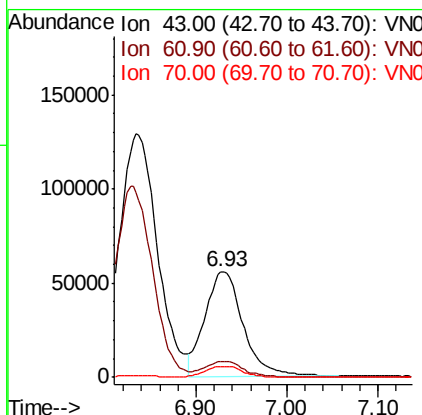
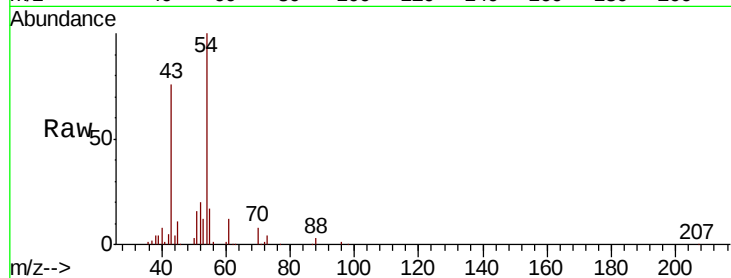
#37
Ethyl Acetate
Concen: 19.789 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.3	7.8	11.8

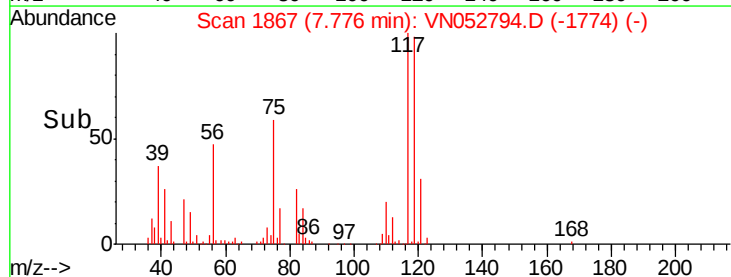
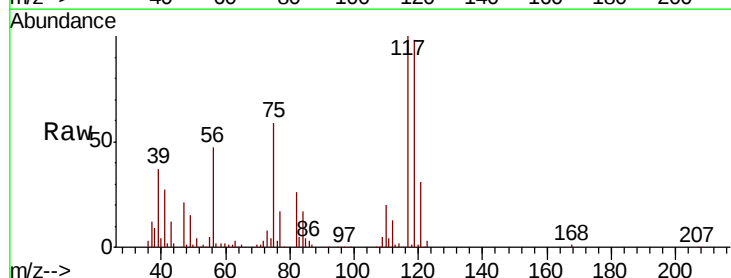
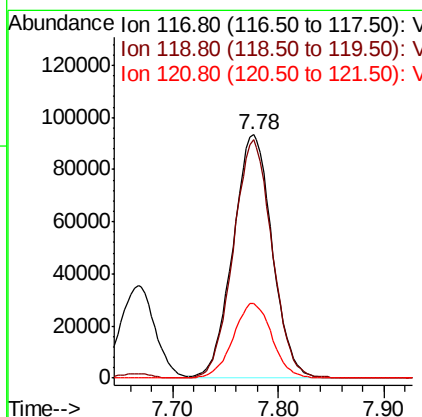
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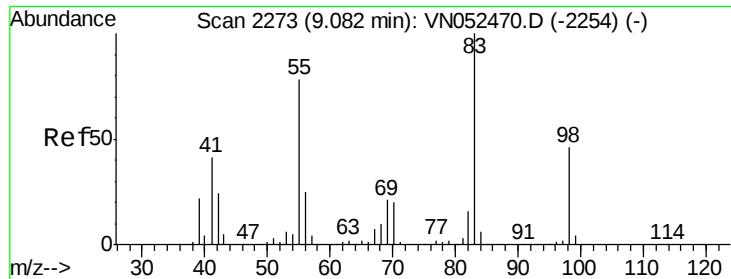
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#38
Carbon Tetrachloride
Concen: 19.720 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.8	115.2
121	30.7	24.9	37.3





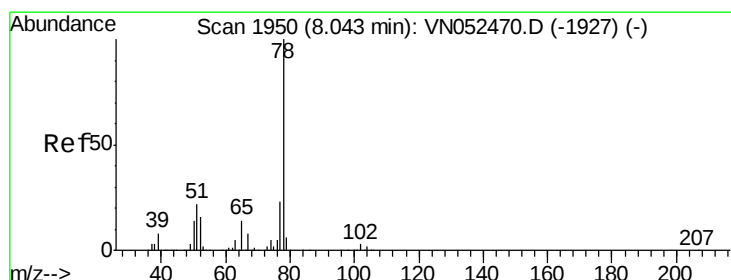
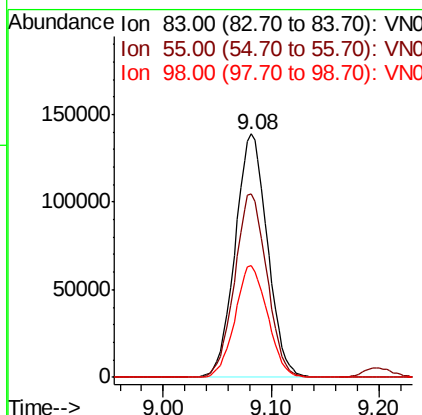
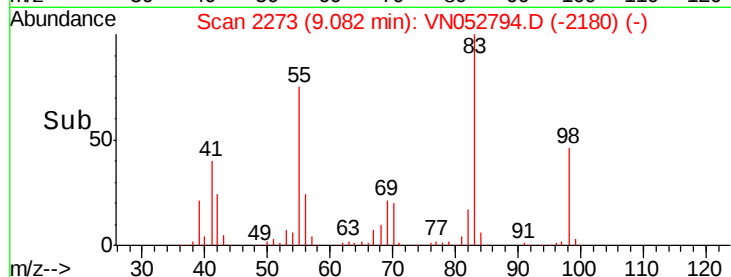
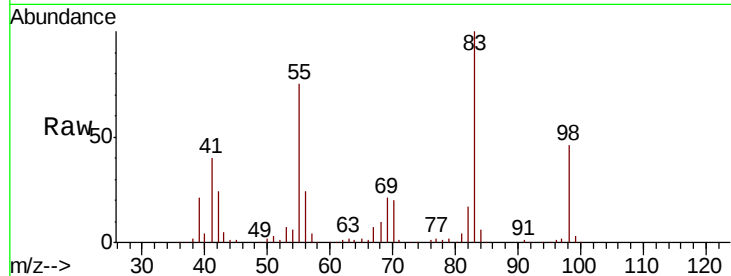
#39
Methvlcvclohexane
Concen: 17.727 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	289545		
55	75.4	62.2	93.2	
98	45.7	36.4	54.6	

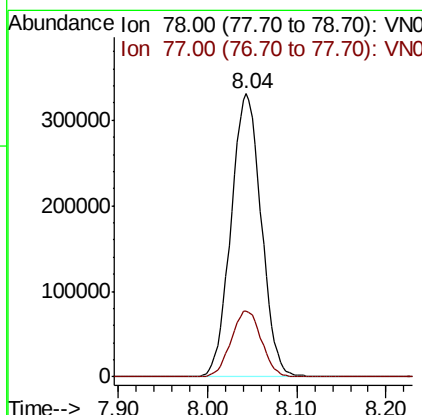
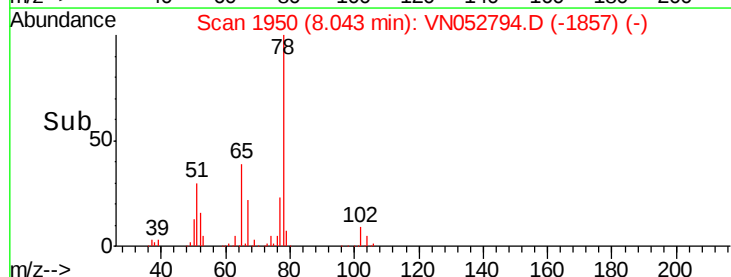
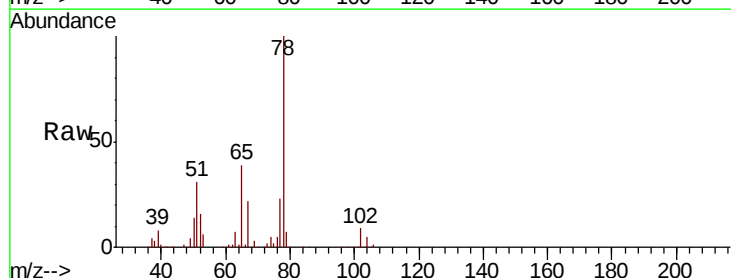
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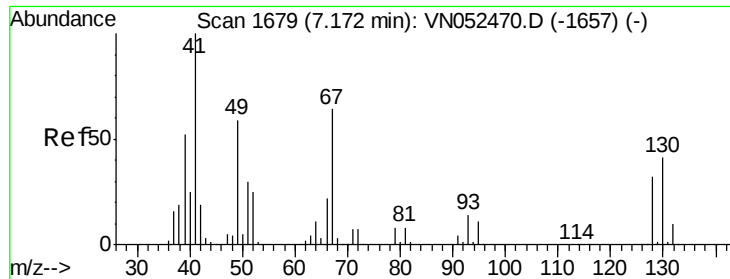
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#40
Benzene
Concen: 19.442 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	778580		
77	23.4	18.8	28.2	





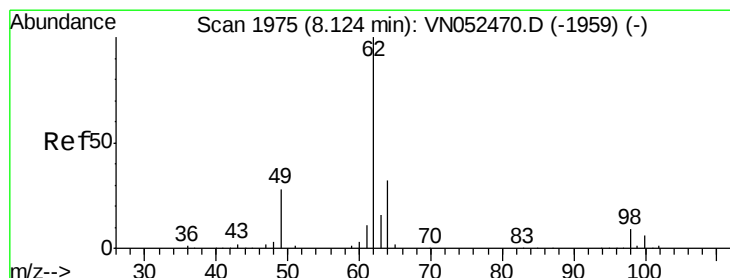
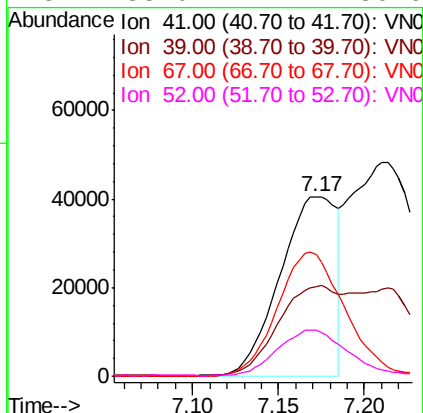
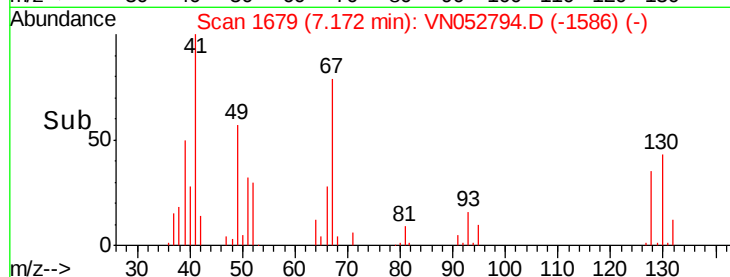
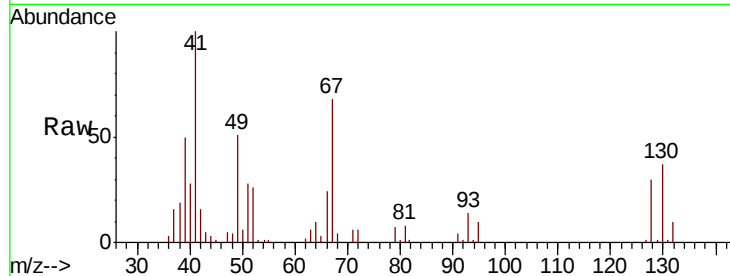
#41
Methacrylonitrile
Concen: 20.671 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	41	Resp	92678
Ion	Ratio	Lower	Upper
41	100		
39	55.7	50.9	76.3
67	83.2	63.6	95.4
52	33.0	24.4	36.6

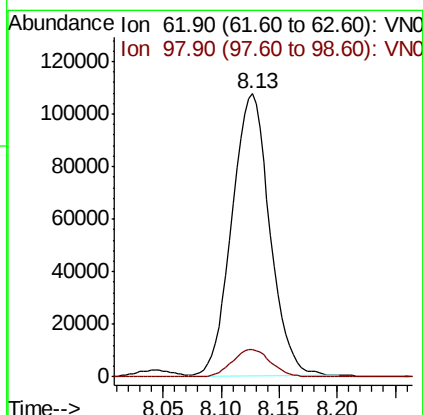
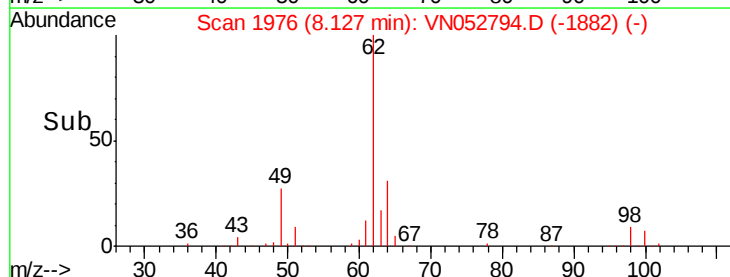
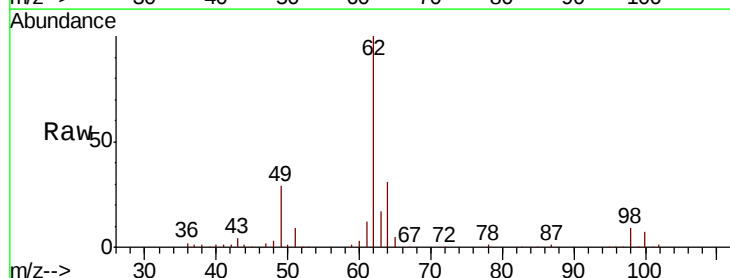
Manual Integrations
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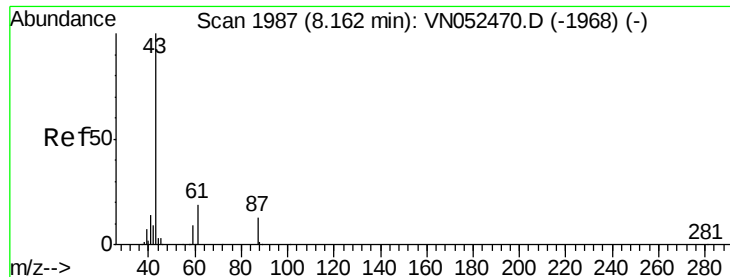
MMDadoda
12/12/2018 11:33:17 AM



#42
1,2-Dichloroethane
Concen: 20.100 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	62	Resp	243730
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.624 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

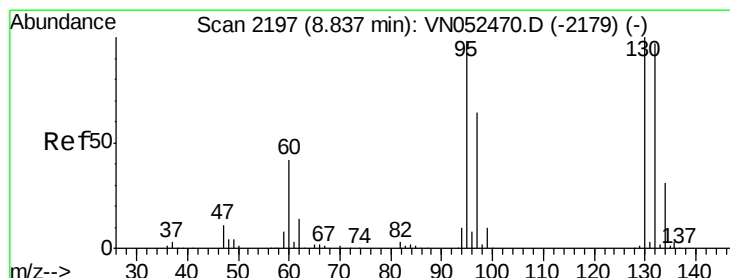
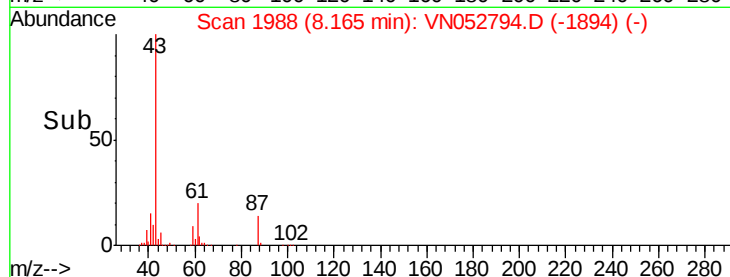
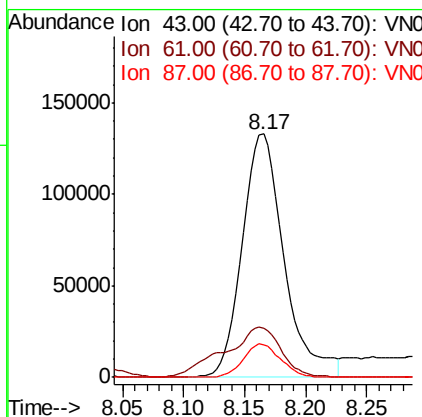
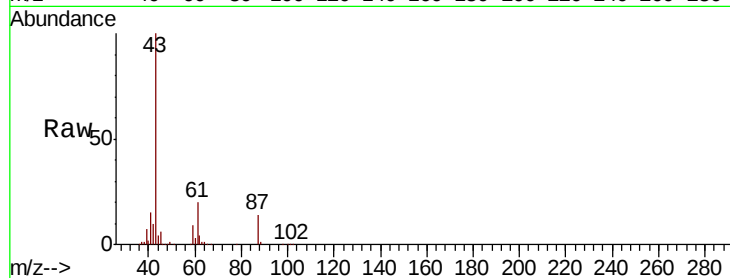
ClientSampleId :

VN1211WBSD01

Tot Ion:	43	Resp:	313988
Ion	Ratio	Lower	Upper
43	100		
61	27.4	24.1	36.1
87	12.3	10.6	15.8

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#44

Trichloroethene

Concen: 20.449 ug/l

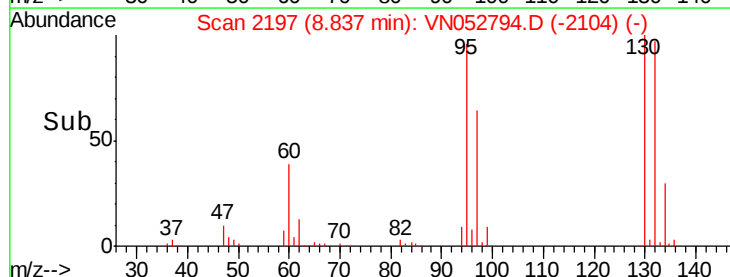
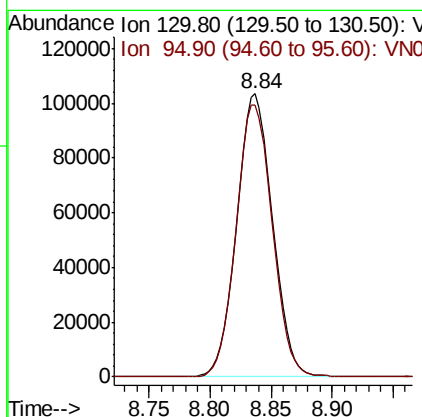
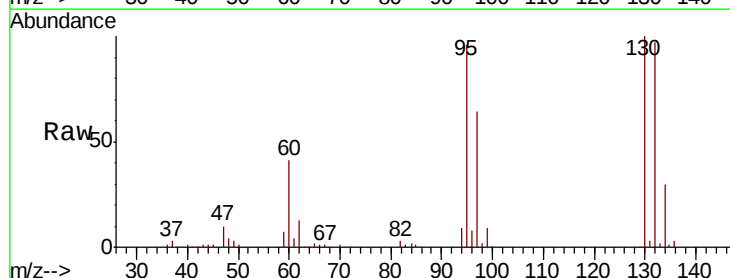
RT: 8.84 min Scan# 2197

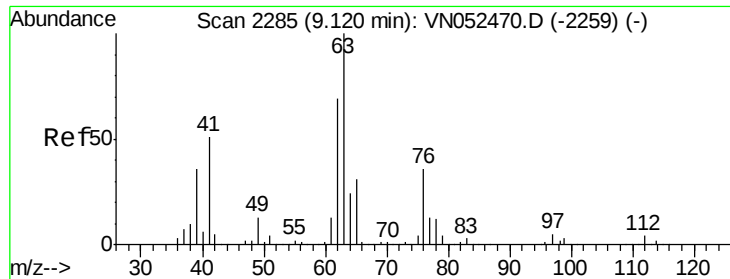
Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	130	Resp:	209768
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	195.6





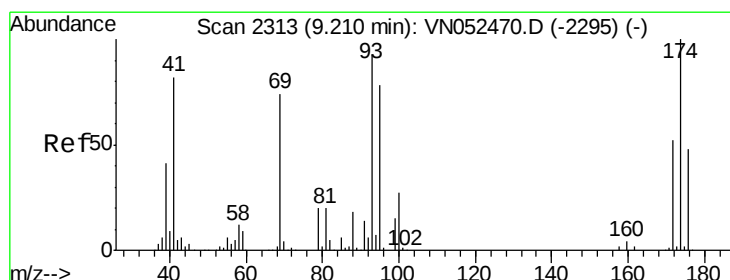
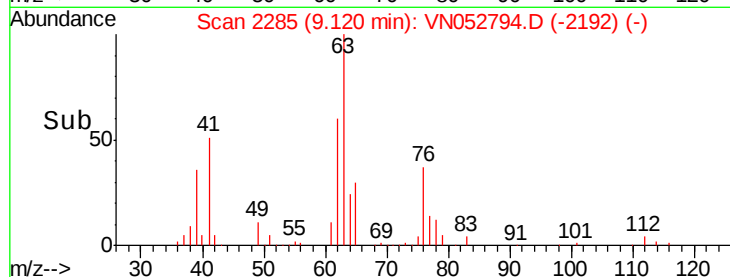
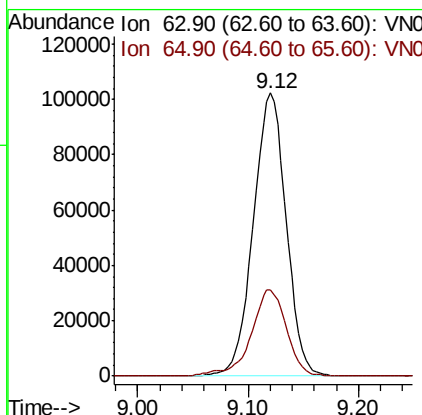
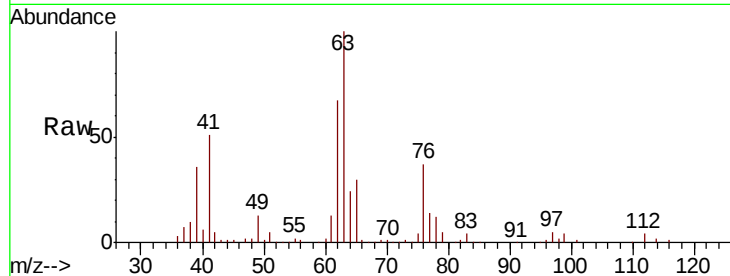
#45
 1,2-Dichloropropane
 Concen: 19.926 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion: 63 Resp: 212157
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

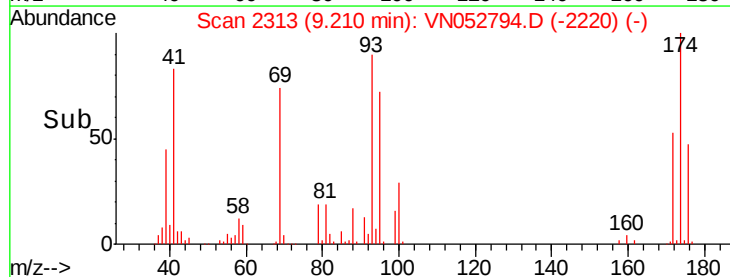
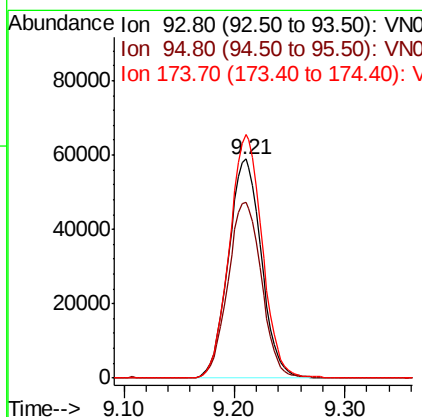
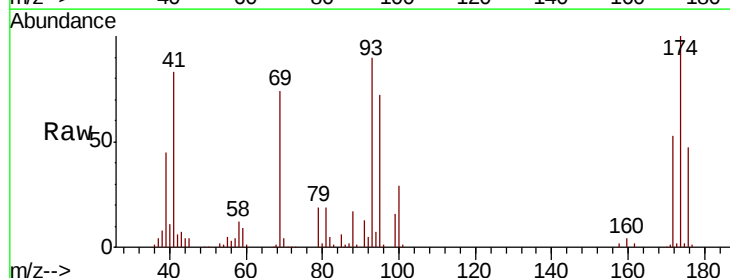
Manual Integrations
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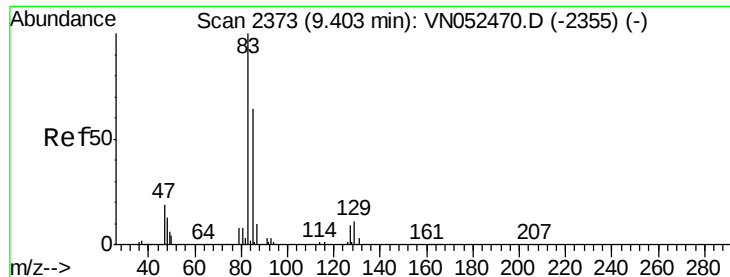
MMDadoda
 12/12/2018 11:33:17 AM



#46
 Dibromomethane
 Concen: 20.742 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion: 93 Resp: 122252
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.1 100.7
 174 110.8 85.8 128.8





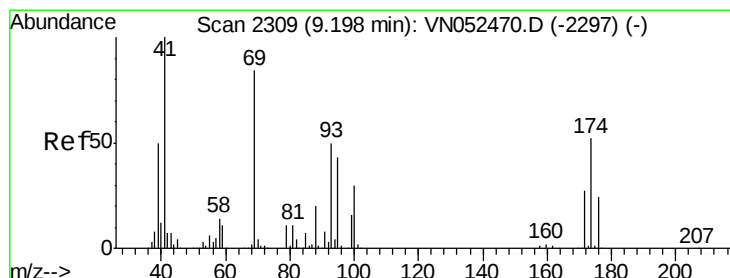
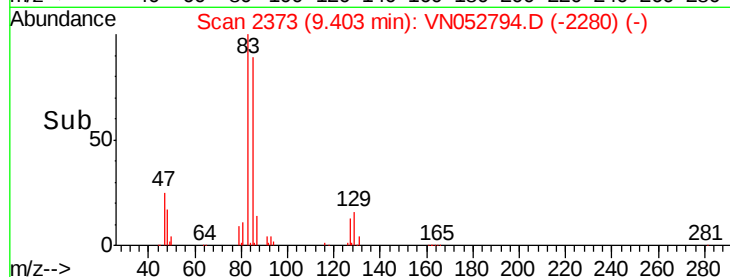
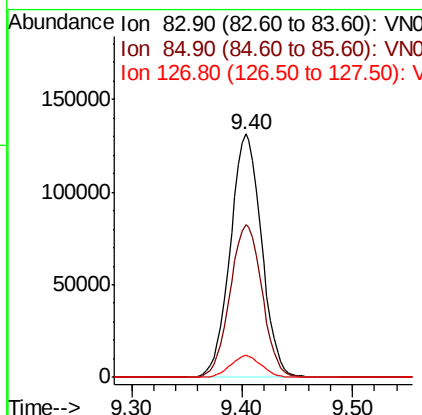
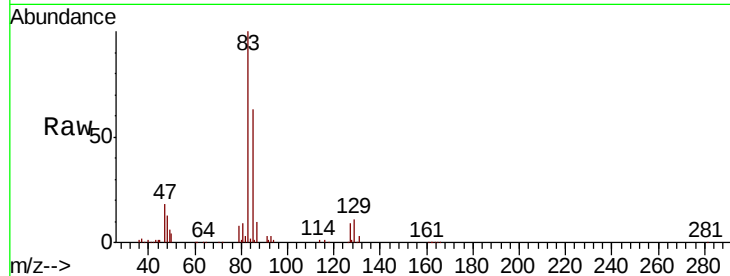
#47
Bromodichloromethane
Concen: 20.146 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	258167		
85	62.7		51.3	76.9
127	9.2		6.9	10.3

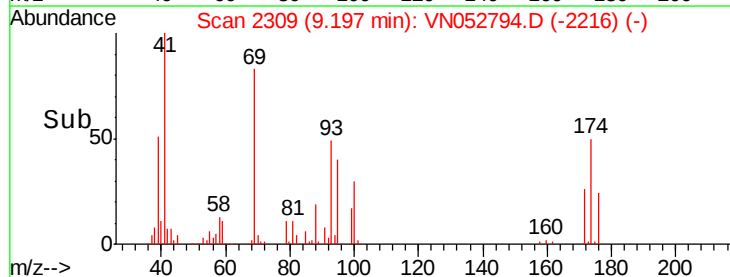
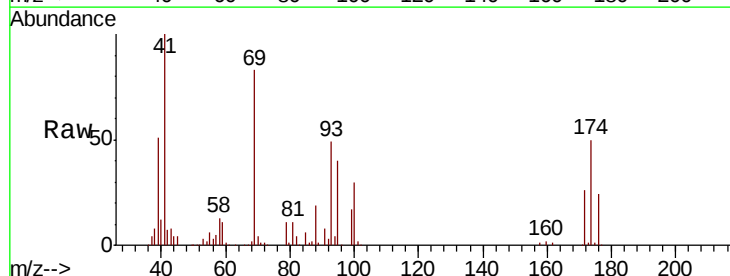
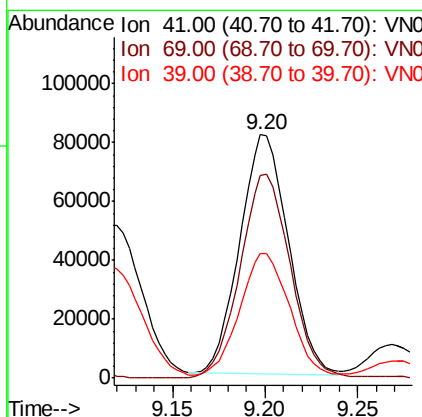
Manual Integrations
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#48
Methyl methacrylate
Concen: 20.540 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	148638		
69	88.1		70.0	105.0
39	53.9		42.6	64.0





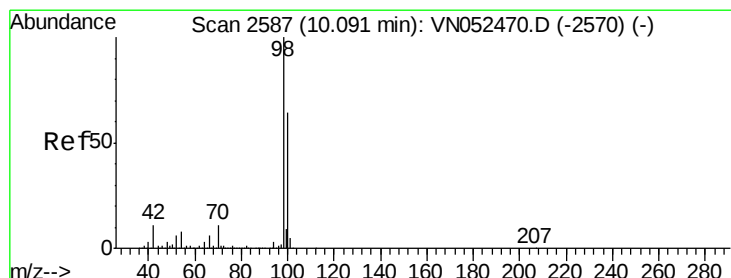
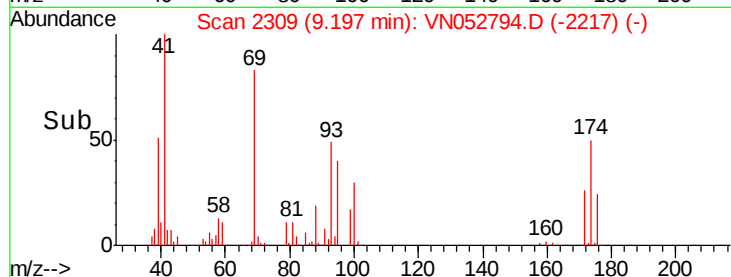
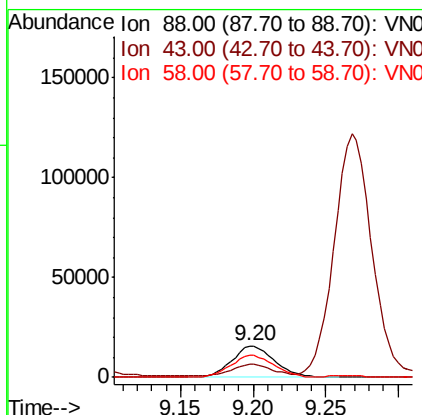
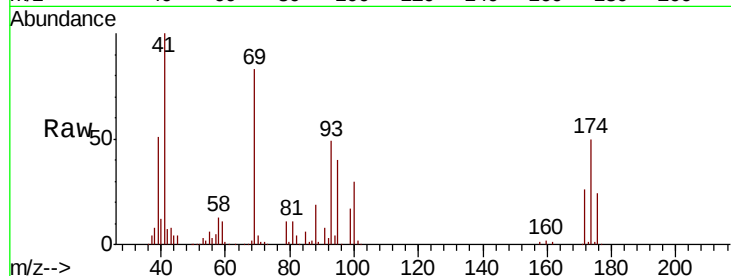
#49
1,4-Dioxane
Concen: 426.966 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	26.4	39.6
58	72.0	55.4	83.0

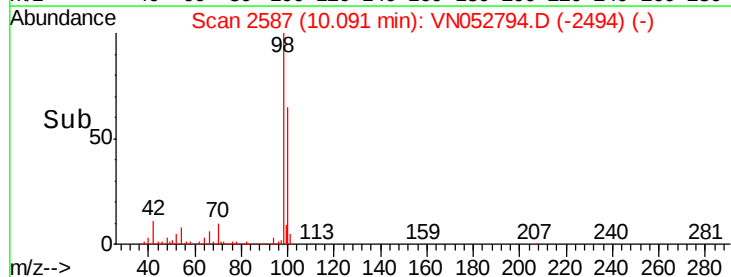
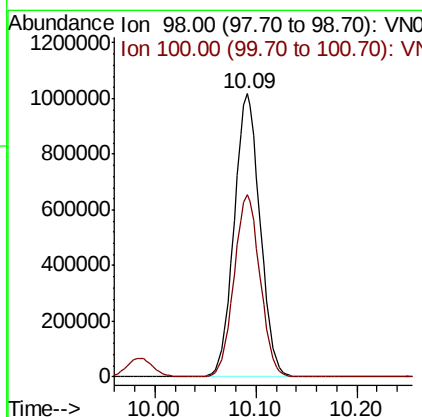
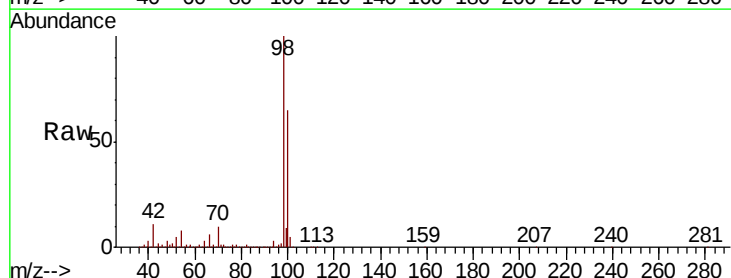
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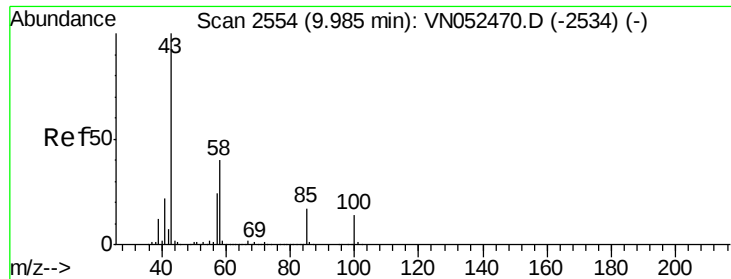
MMDadoda
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#50
Toluene-d8
Concen: 426.966 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9





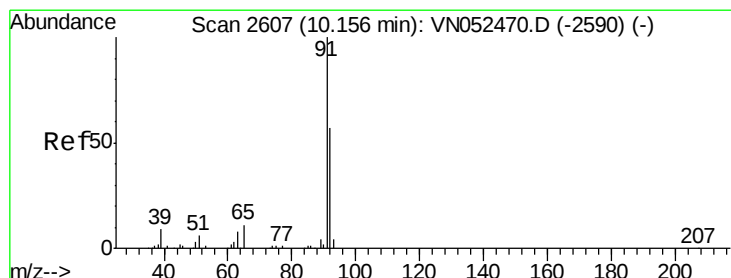
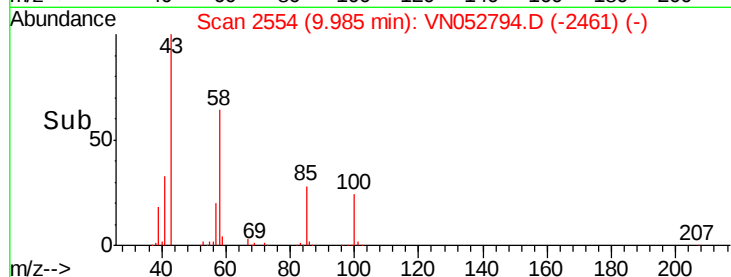
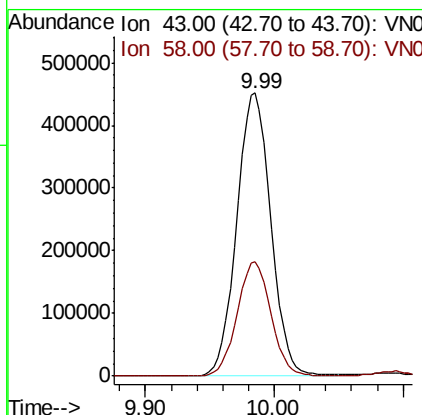
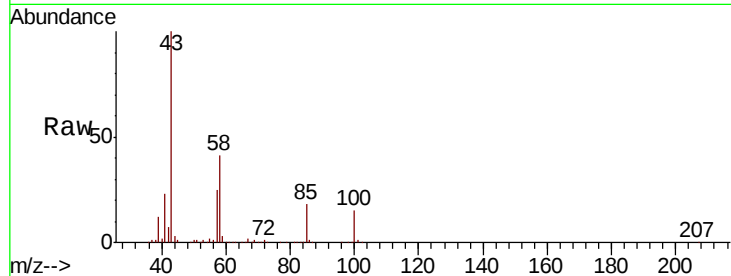
#51
4-Methyl-2-Pentanone
Concen: 106.212 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.3		31.5	47.3	

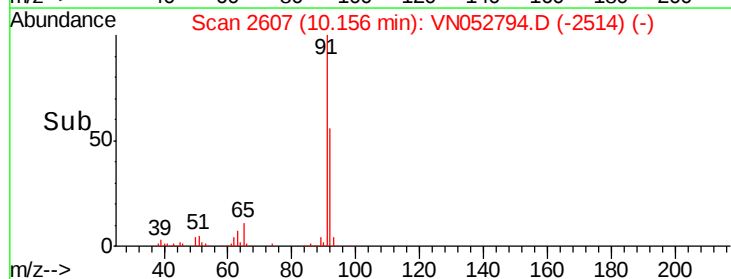
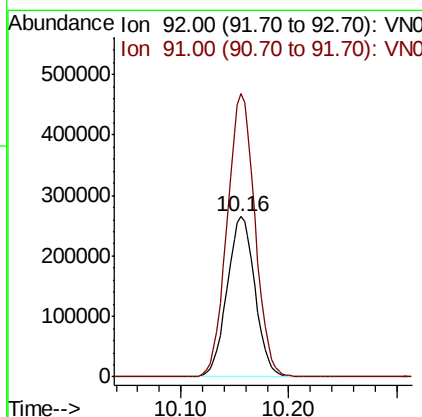
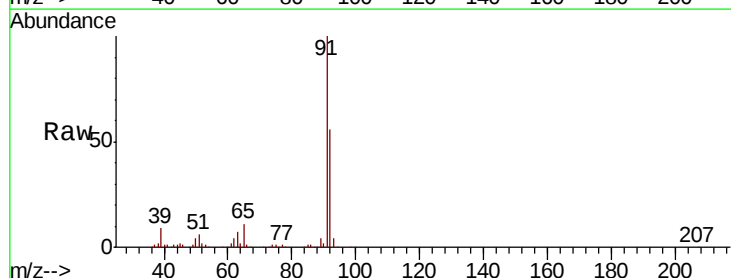
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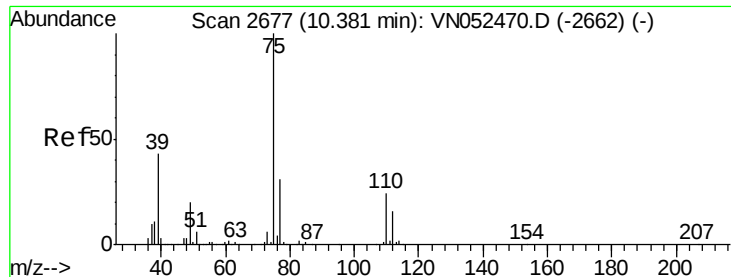
MMDadoda
12/12/2018 11:33:17 AM



#52
Toluene
Concen: 20.030 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	176.1		141.0	211.4	





#53

t-1,3-Dichloropropene

Concen: 20.952 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 75 Resp: 258301

Ion Ratio Lower Upper

75 100

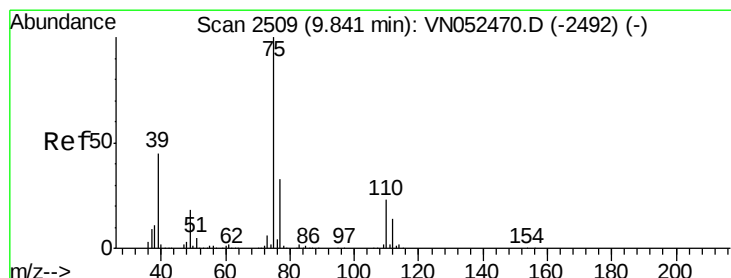
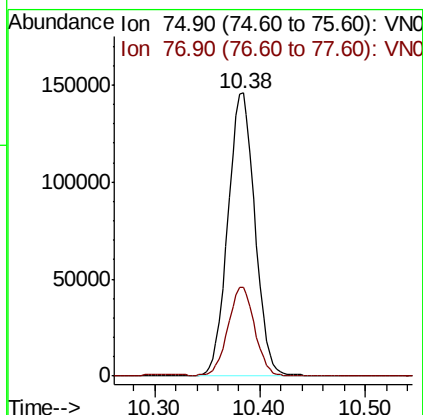
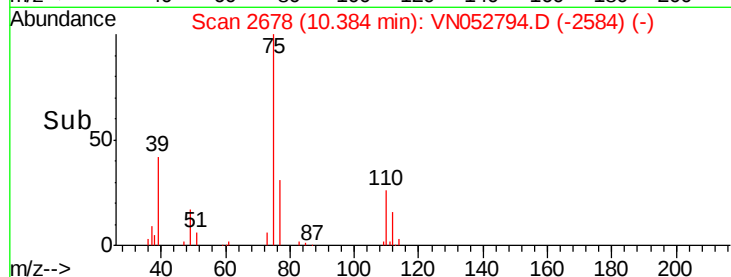
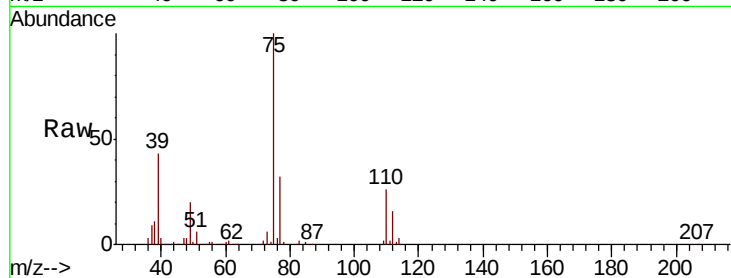
77 31.4 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.534 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

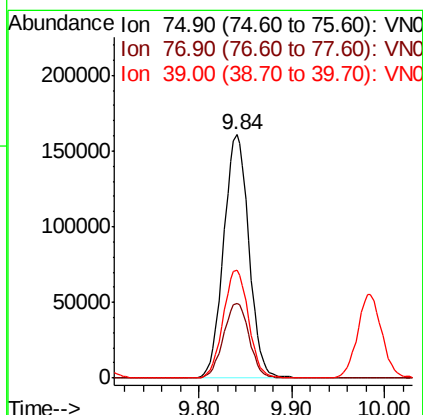
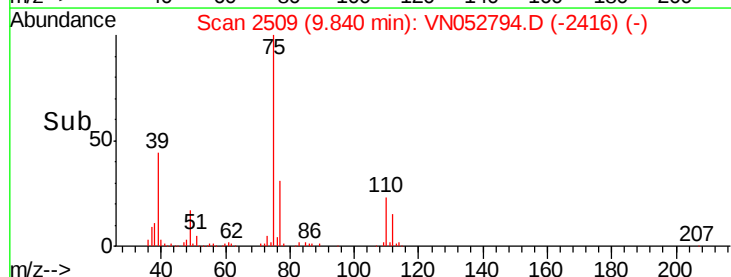
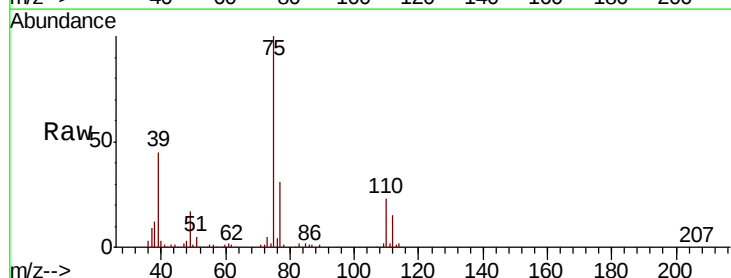
Tgt Ion: 75 Resp: 303356

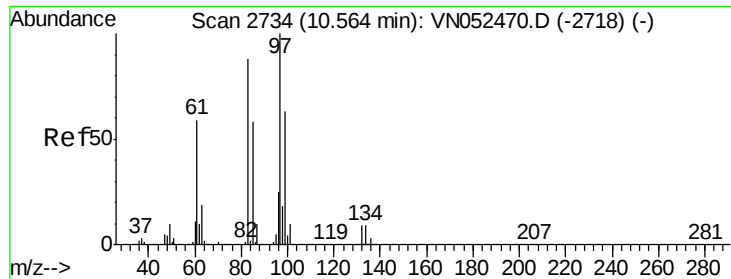
Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

39 44.6 36.0 54.0





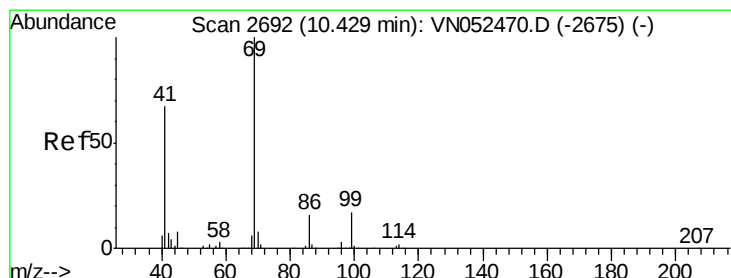
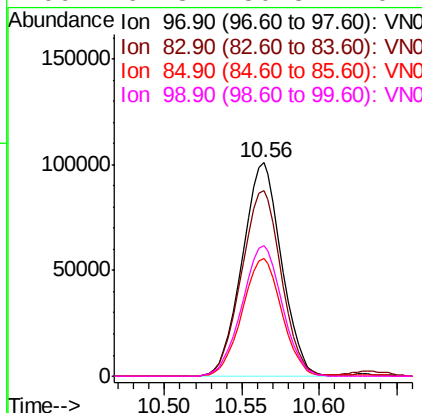
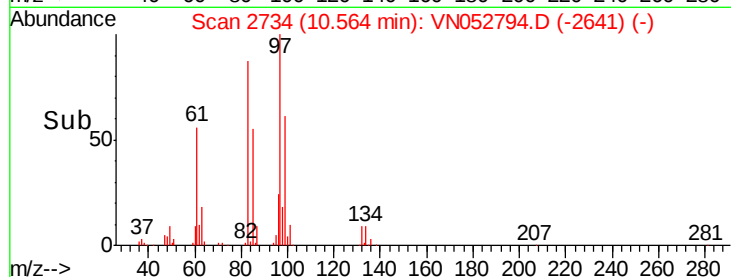
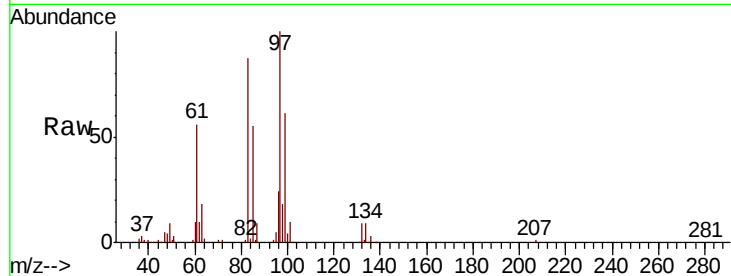
#55
 1,1,2-Trichloroethane
 Concen: 21.369 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		178845		
83	86.9	70.7	106.1		
85	55.2	46.1	69.1		
99	61.3	50.8	76.2		

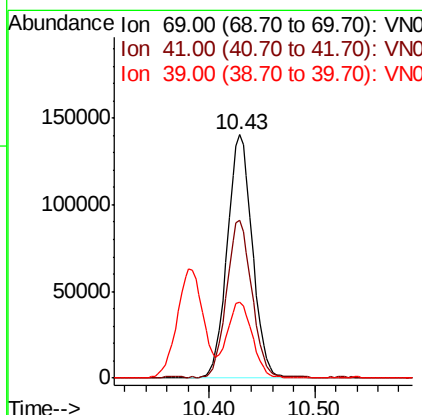
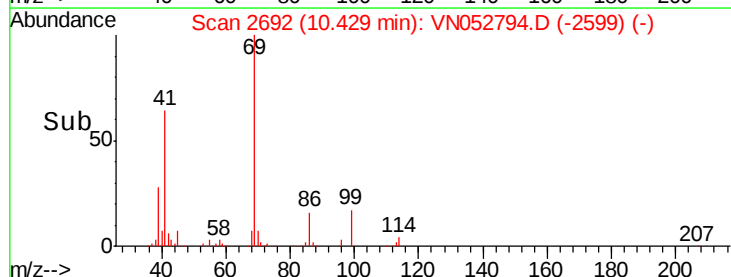
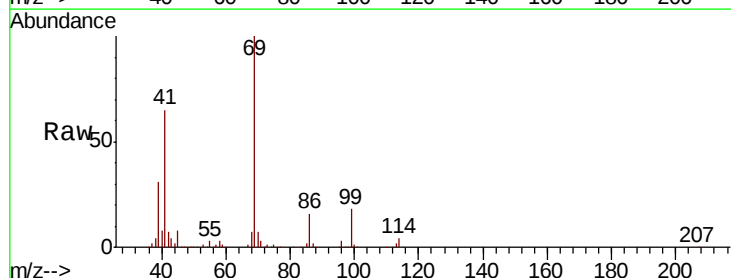
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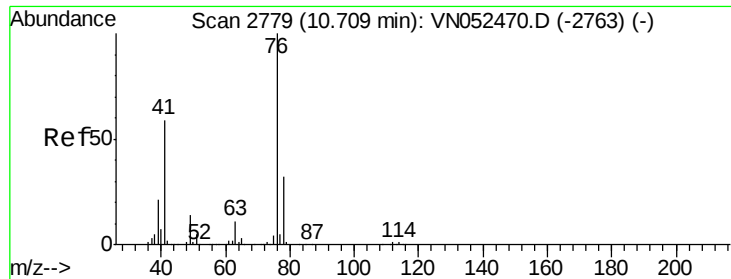
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 12/12/2018 11:33:17 AM



#56
 Ethyl methacrylate
 Concen: 21.488 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230871		
41	64.1	52.6	79.0		
39	31.1	25.9	38.9		





#57

1,3-Dichloropropane

Concen: 20.786 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 76 Resp: 307179

Ion Ratio Lower Upper

76 100

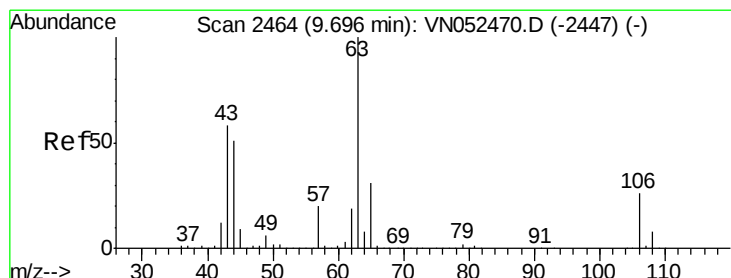
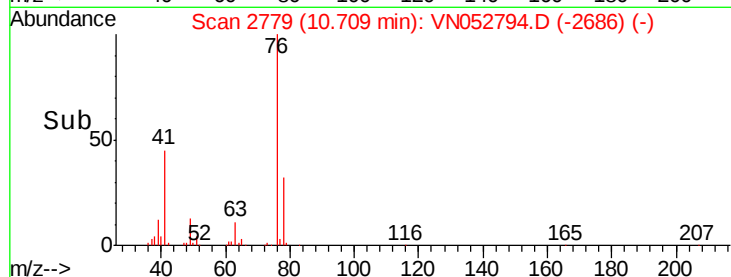
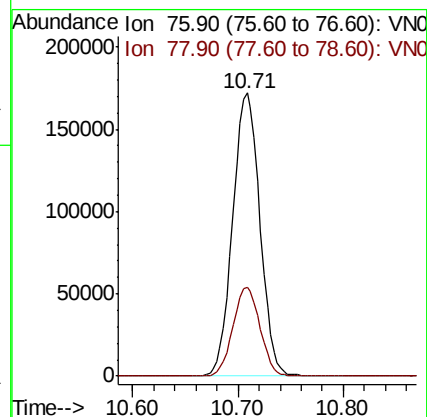
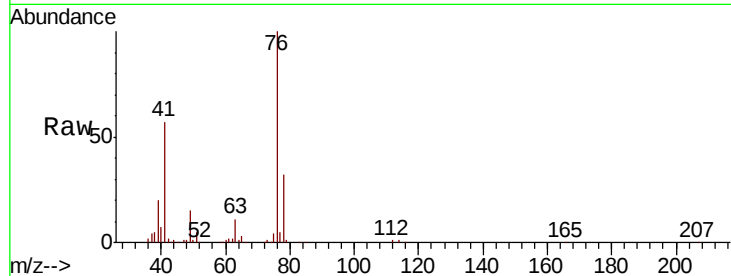
78 31.4 25.6 38.4

Manual Integrations

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12/12/2018 11:33:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 105.224 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052794.D

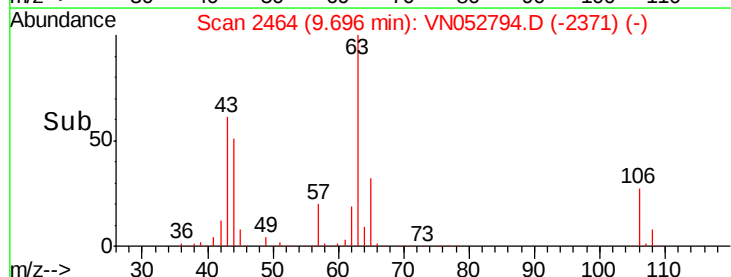
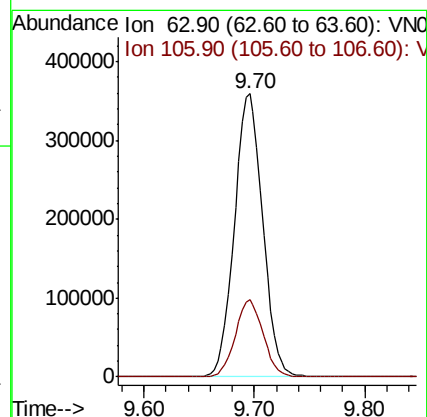
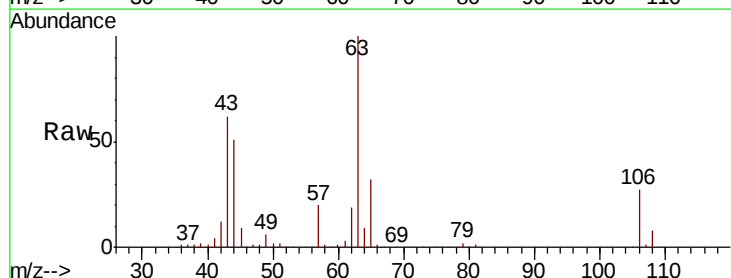
Acq: 11 Dec 2018 11:17

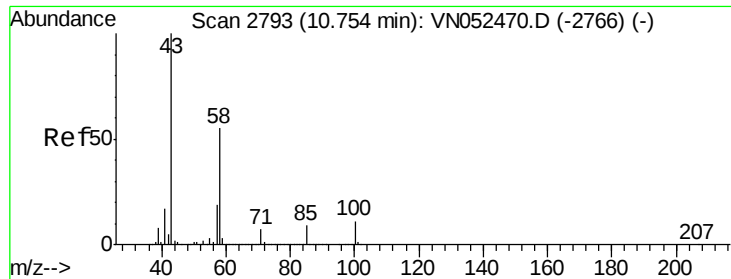
Tgt Ion: 63 Resp: 639044

Ion Ratio Lower Upper

63 100

106 26.8 20.6 30.8





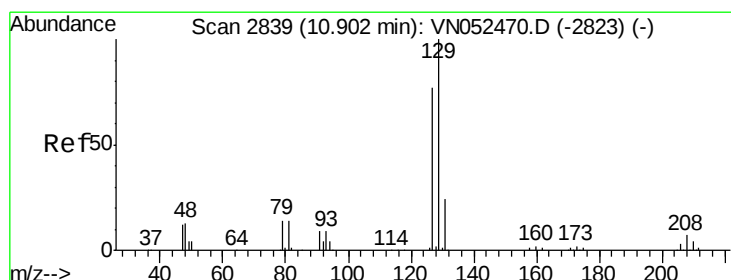
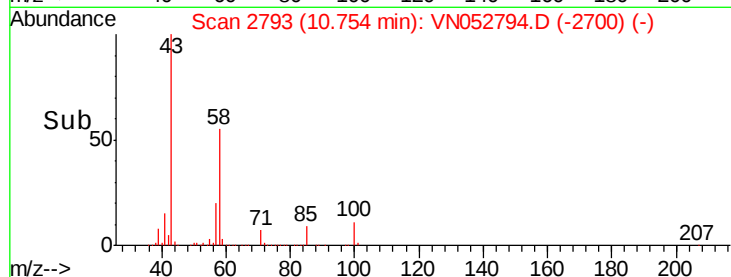
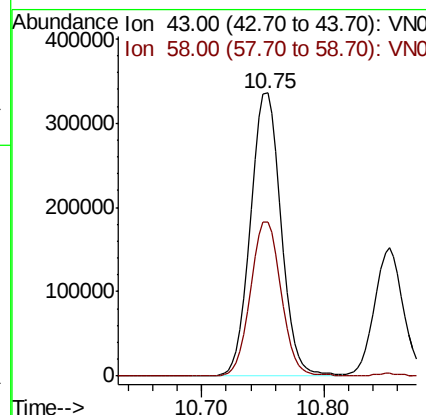
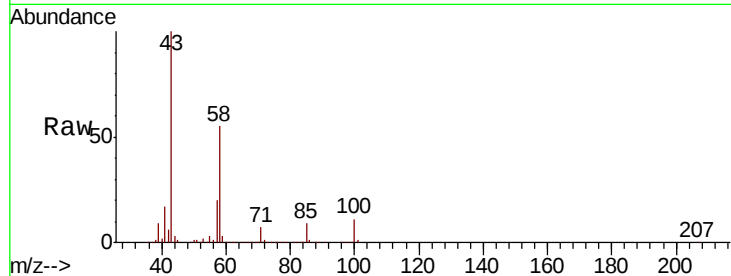
#59
2-Hexanone
Concen: 109.868 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	43	Resp	574187
Ion Ratio	43	100	
Lower	58	55.1	27.4
Upper			82.0

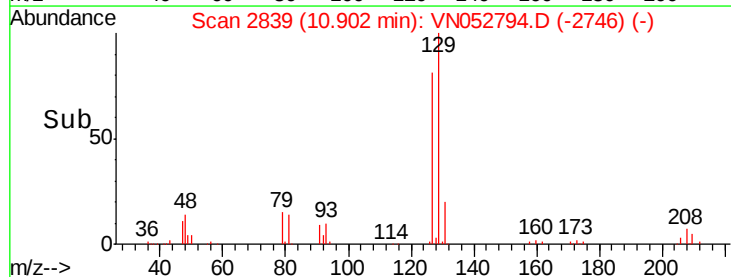
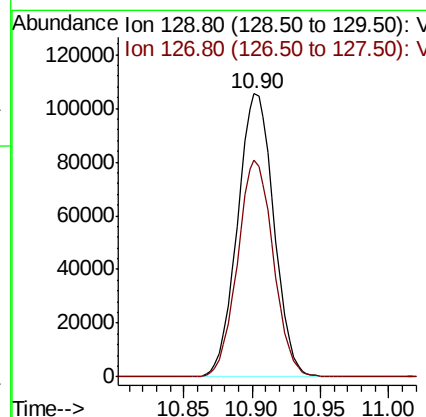
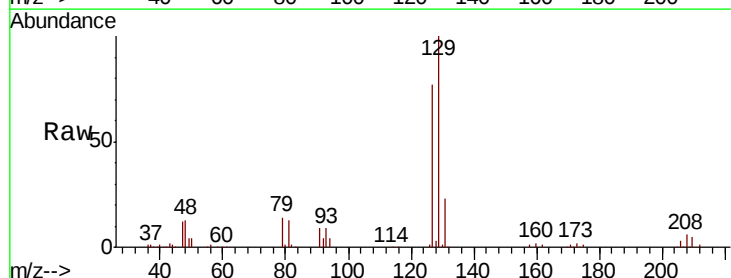
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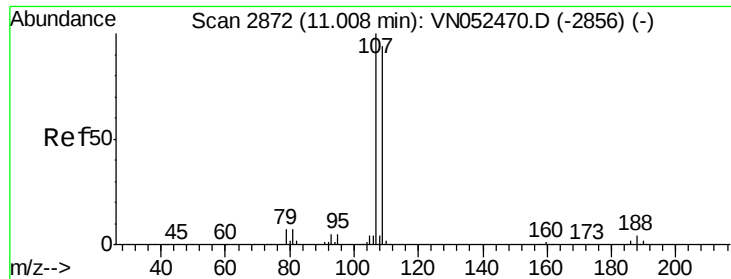
MMDadoda
12/12/2018 11:33:17 AM



#60
Dibromochloromethane
Concen: 21.451 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	129	Resp	194998
Ion Ratio	129	100	
Lower	127	75.4	38.9
Upper			116.6





#61

1,2-Dibromoethane

Concen: 20.963 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 107 Resp: 174264

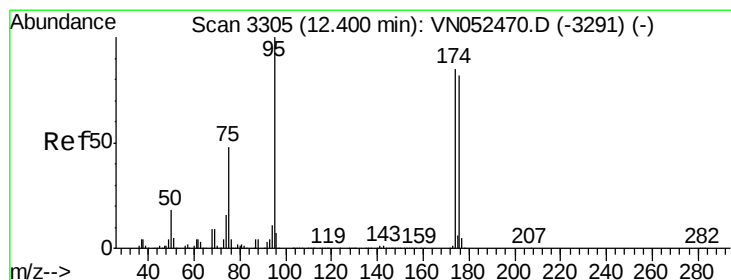
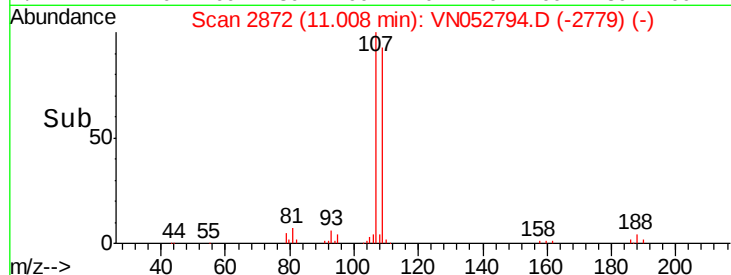
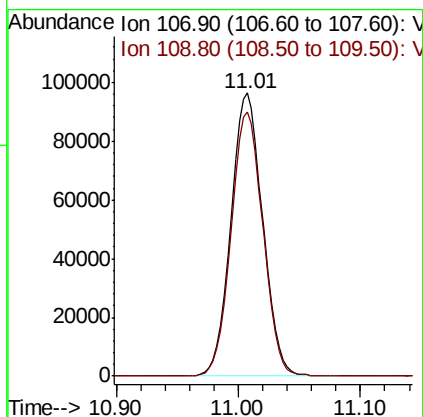
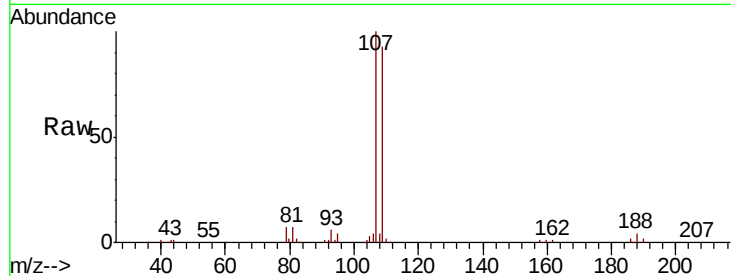
Ion Ratio Lower Upper

107 100

109 93.4 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 20.963 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

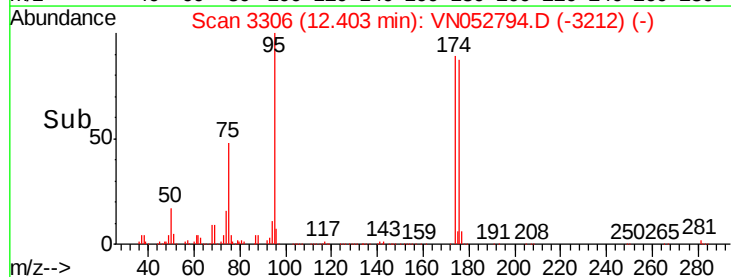
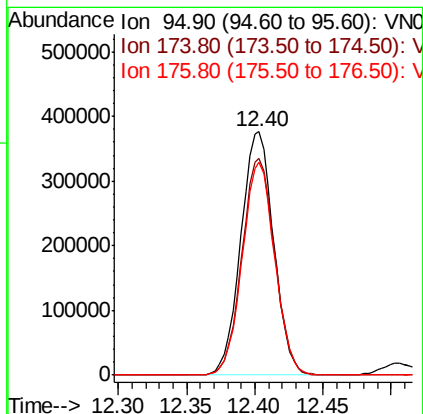
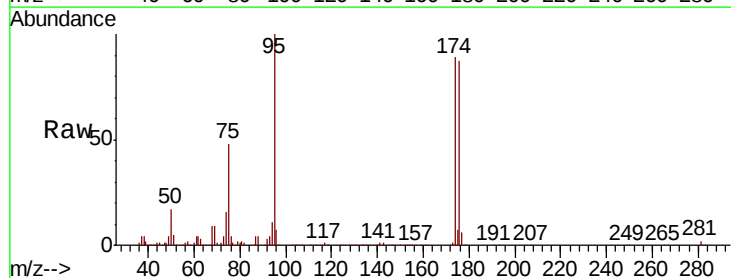
Tgt Ion: 95 Resp: 628046

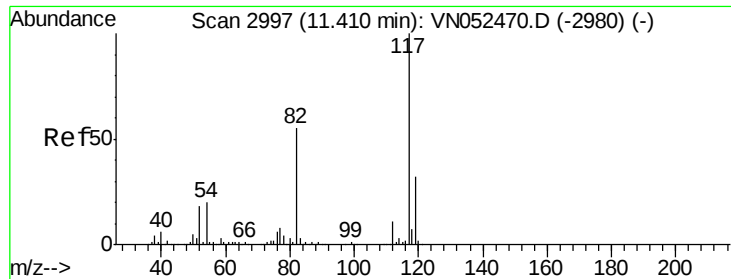
Ion Ratio Lower Upper

95 100

174 89.2 0.0 173.0

176 86.4 0.0 166.2





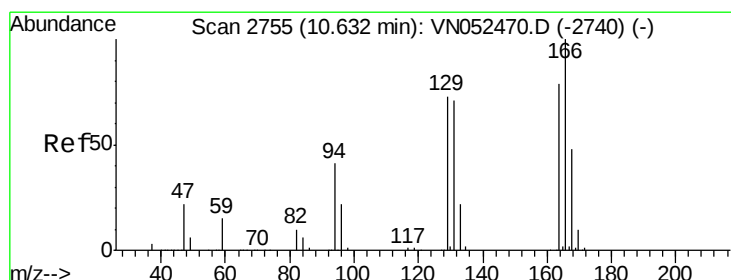
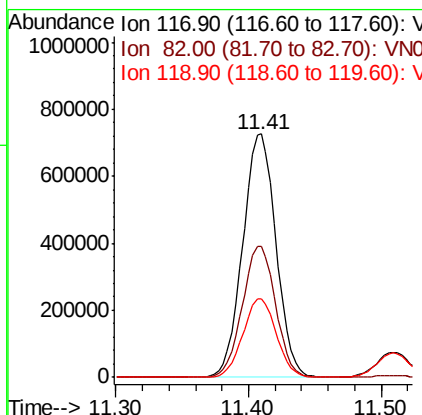
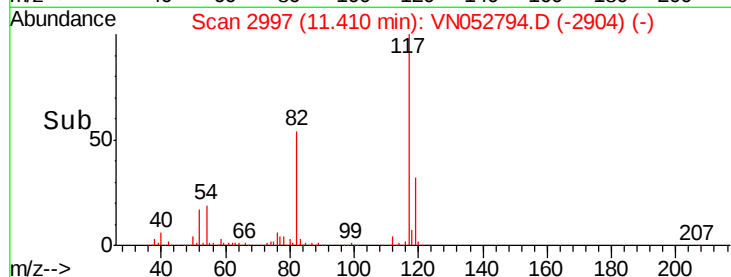
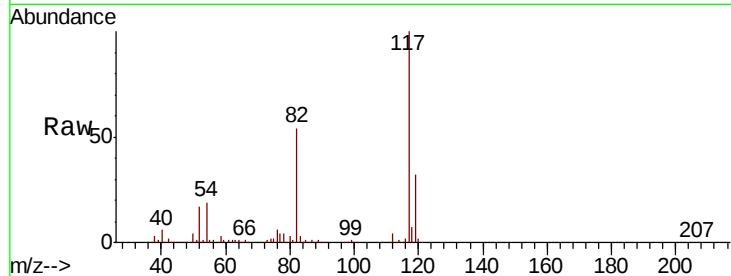
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion:117 Resp: 1260544
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.4 25.4 38.2

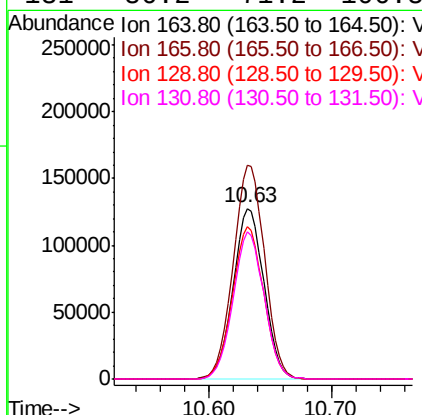
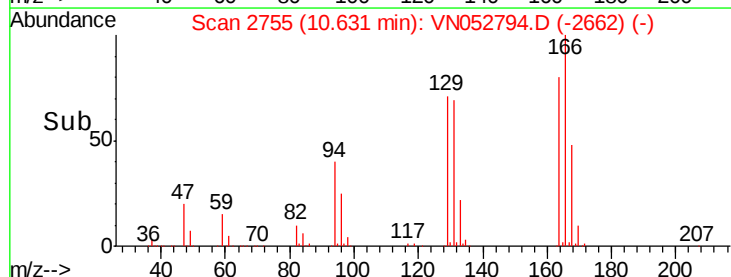
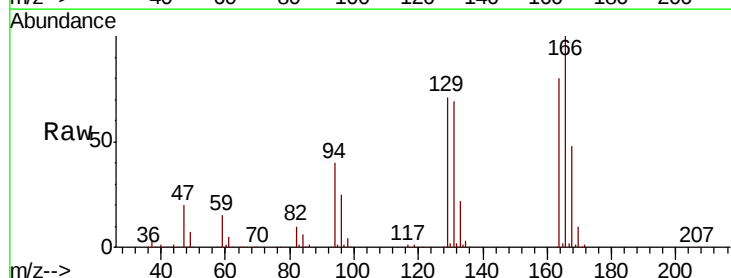
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#64
Tetrachloroethene
Concen: 22.823 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion:164 Resp: 223055
Ion Ratio Lower Upper
164 100
166 125.2 101.0 151.4
129 89.5 73.8 110.6
131 86.2 71.2 106.8





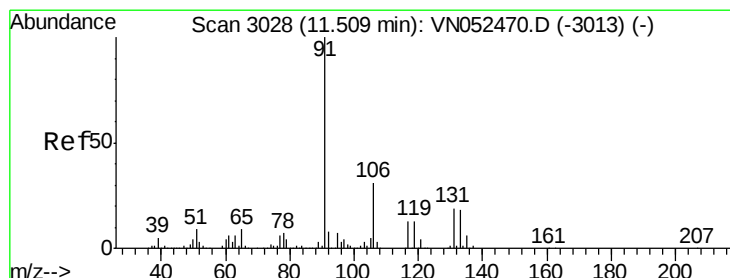
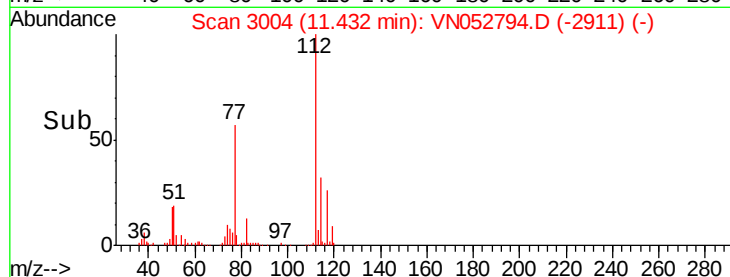
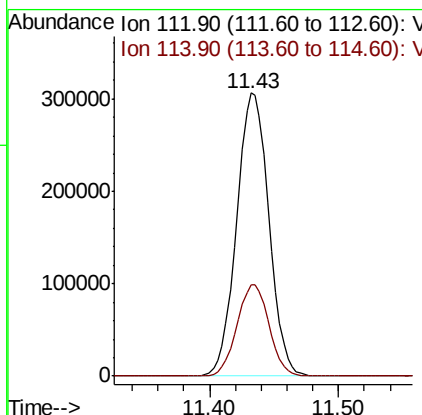
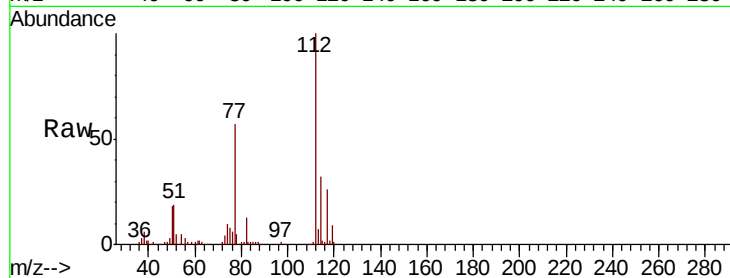
#65
Chlorobenzene
Concen: 20.444 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

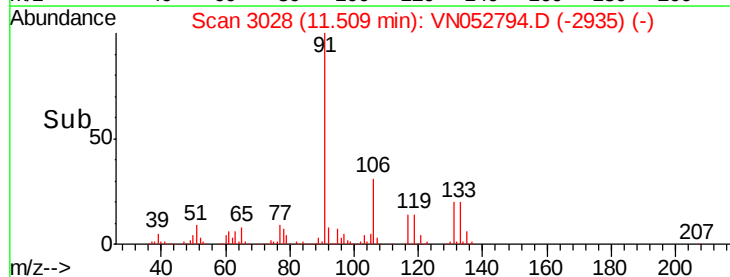
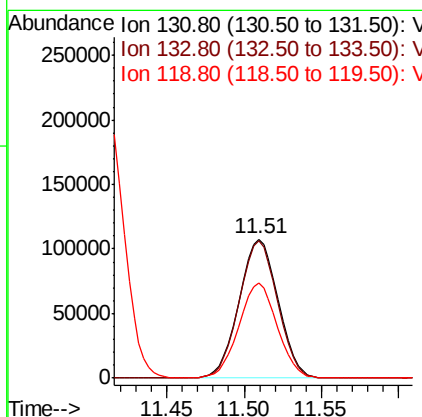
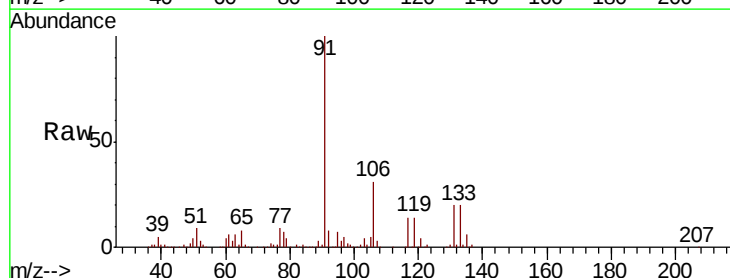
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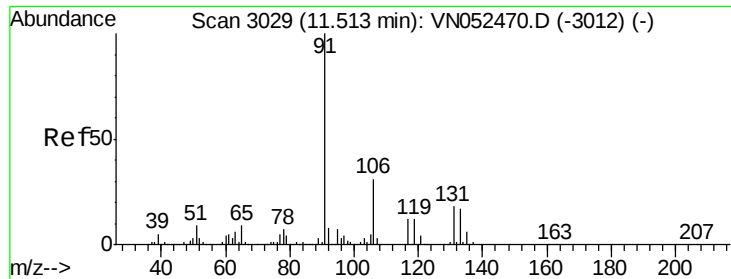
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.025 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.6	142.8
119	66.8	33.2	99.6





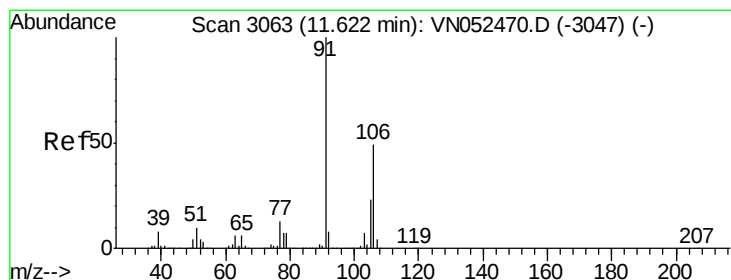
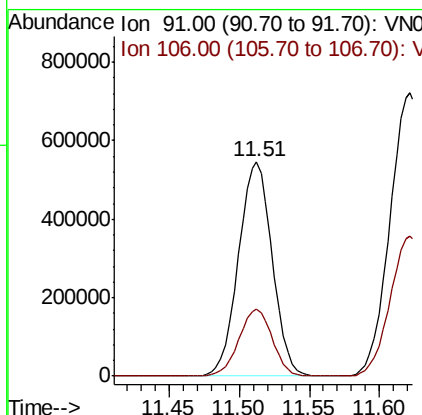
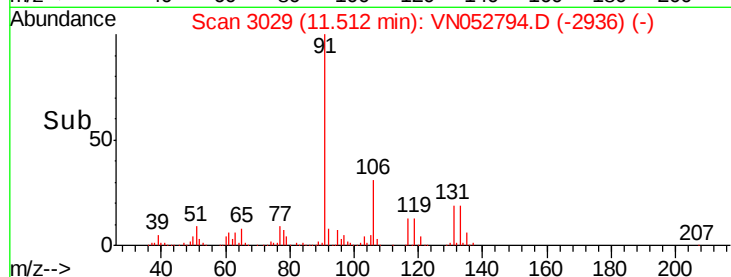
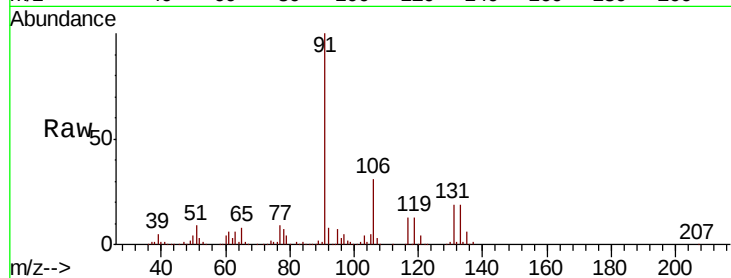
#67
Ethyl Benzene
Concen: 20.077 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion: 91 Resp: 913867
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

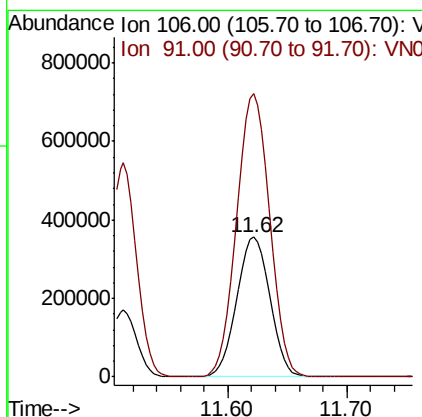
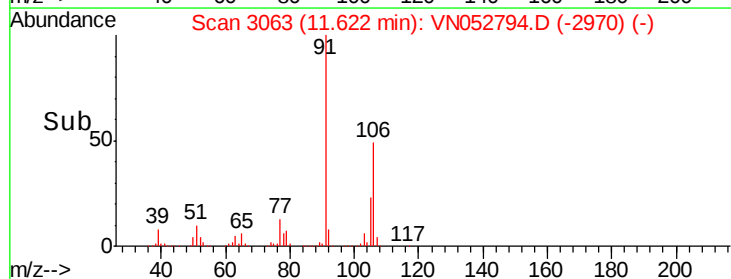
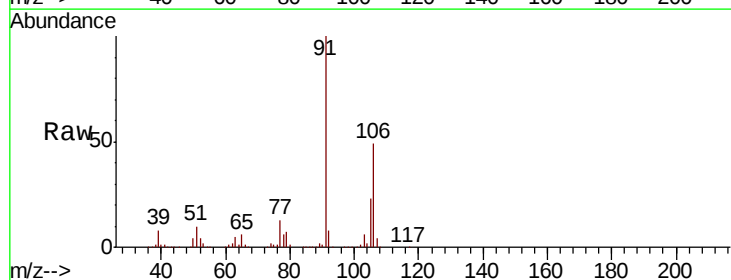
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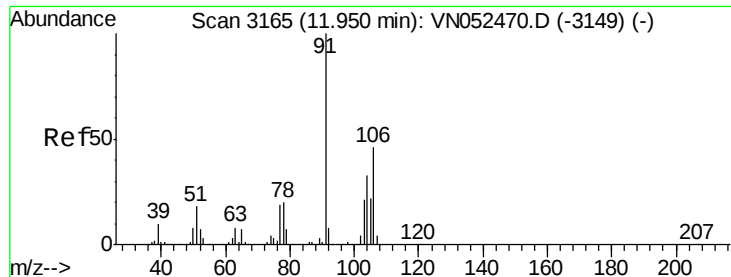
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#68
m/p-Xylenes
Concen: 40.727 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion: 106 Resp: 690121
Ion Ratio Lower Upper
106 100
91 201.8 163.2 244.8





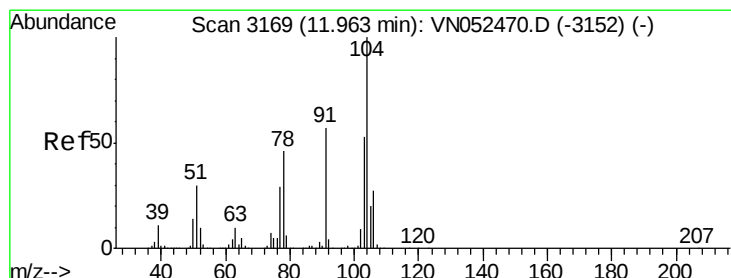
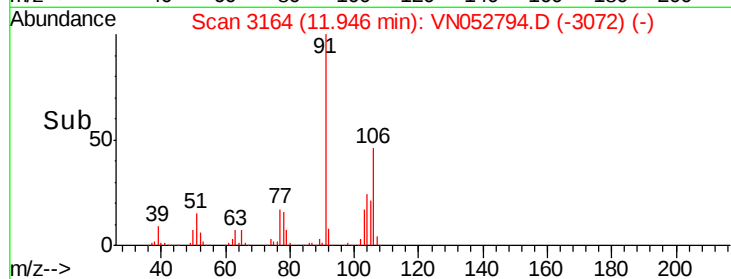
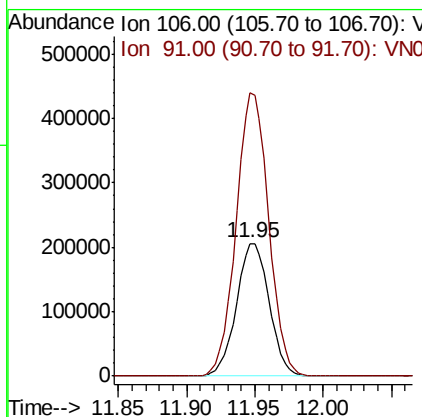
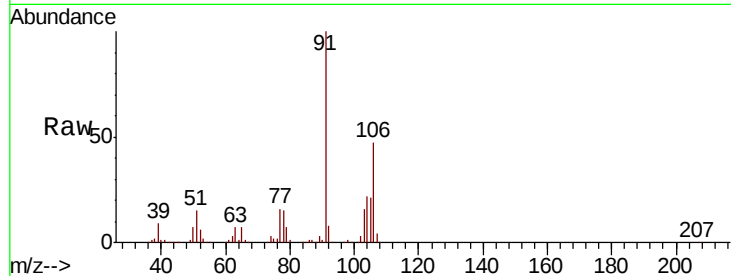
#69
o-Xylene
Concen: 20.782 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
341971	106	100		
	91	212.6	107.7	323.1

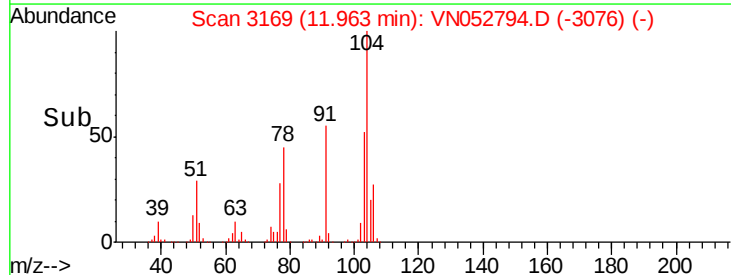
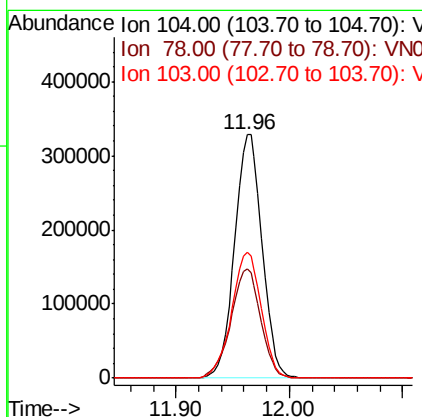
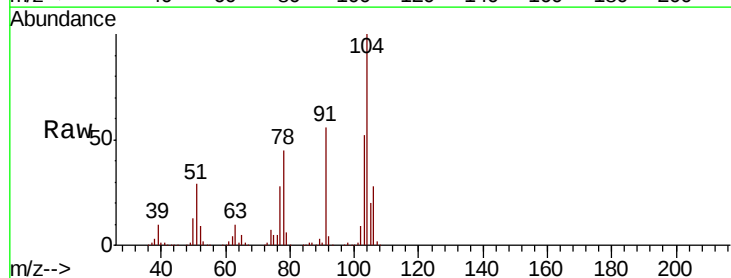
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#70
Styrene
Concen: 21.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ion	Ratio	Lower	Upper
555556	104	100		
	78	48.5	39.4	59.2
	103	55.6	44.9	67.3





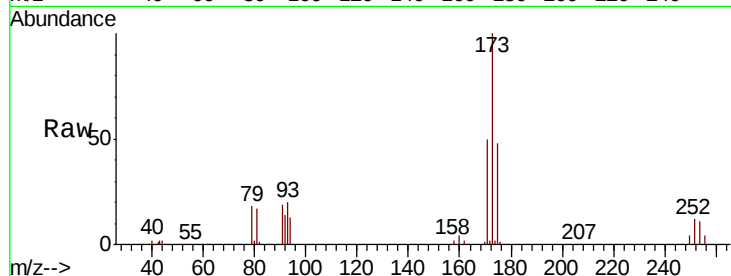
#71
Bromoform
Concen: 21.625 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.1	0.1#

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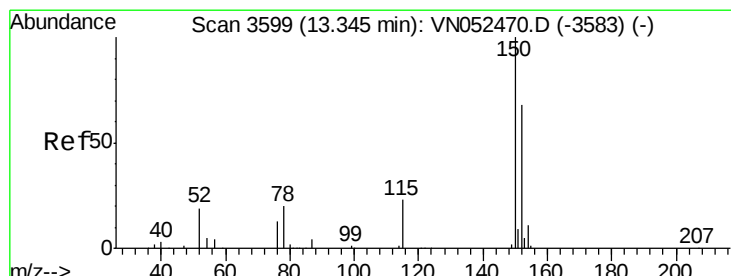
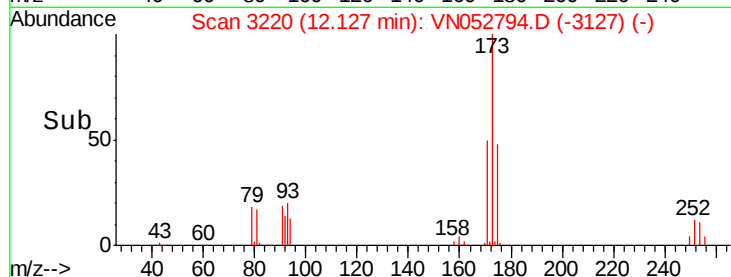
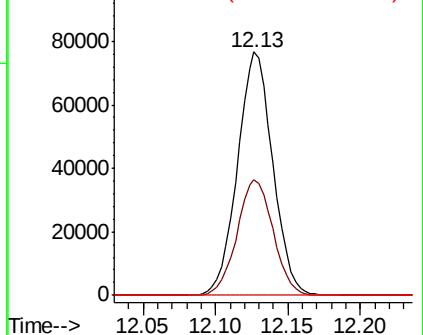


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

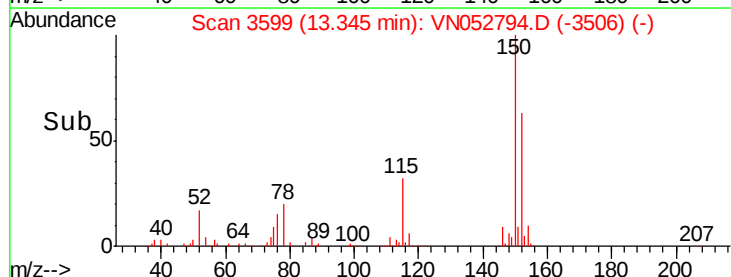
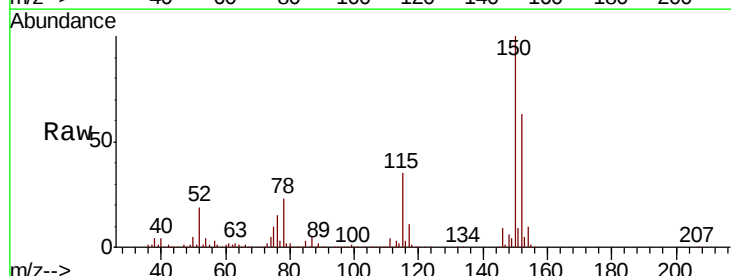
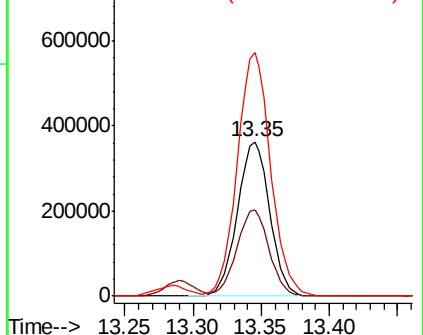
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.4	85.2
150	163.3	0.0	346.0

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: 19.359 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 105 Resp: 904241

Ion Ratio Lower Upper

105 100

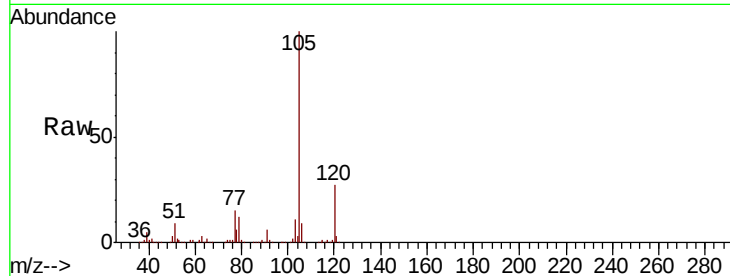
120 26.8 13.1 39.3

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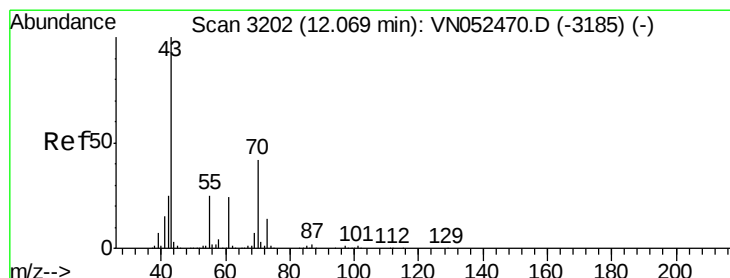
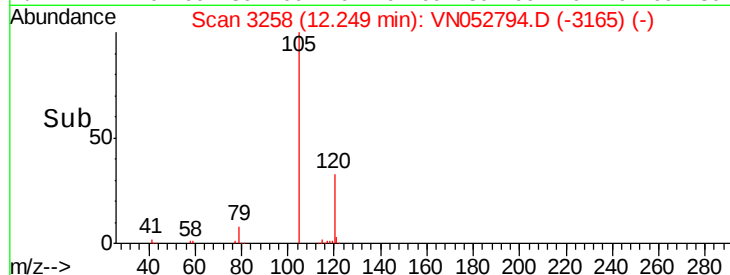
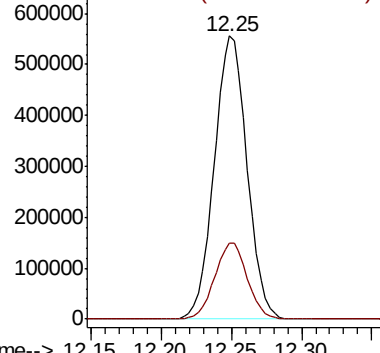
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.579 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion: 43 Resp: 254638

Ion Ratio Lower Upper

43 100

70 43.2 33.8 50.8

55 25.2 20.0 30.0

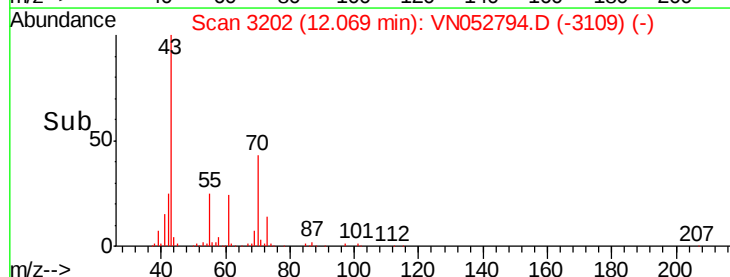
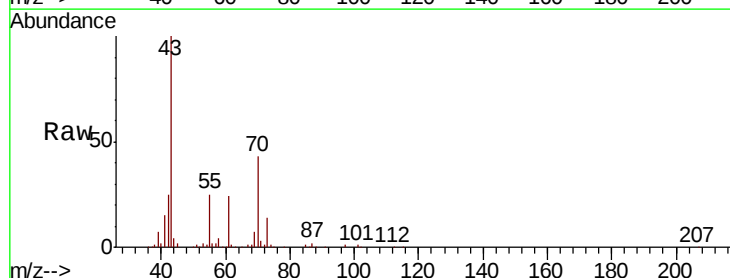
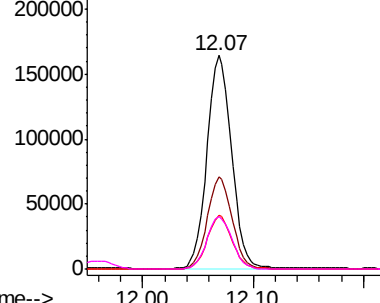
61 25.0 19.7 29.5

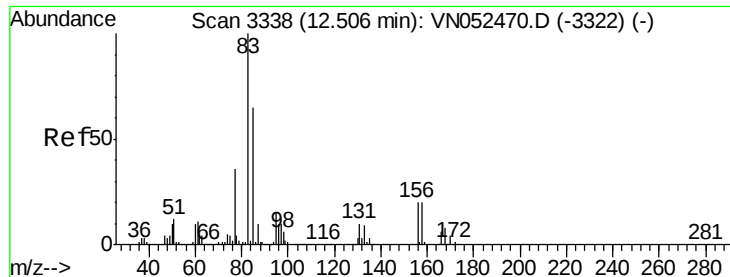
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.358 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

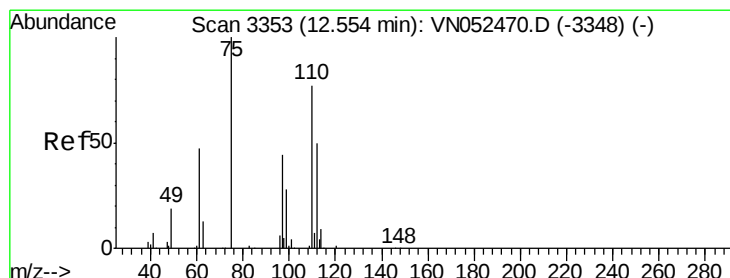
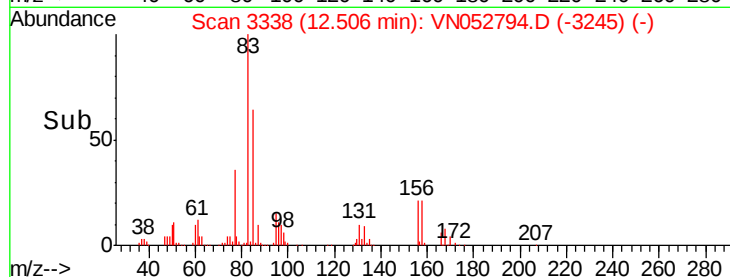
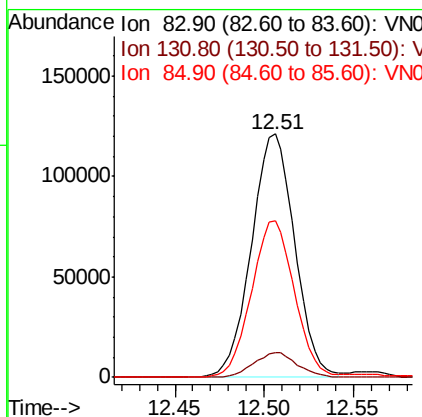
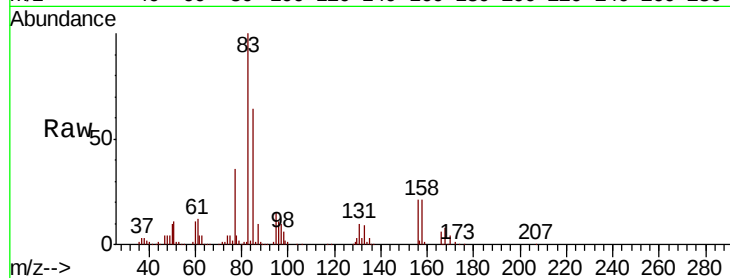
ClientSampleId :

VN1211WBSD01

Tot Ion:	83	Resp:	205680
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	63.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.521 ug/l m

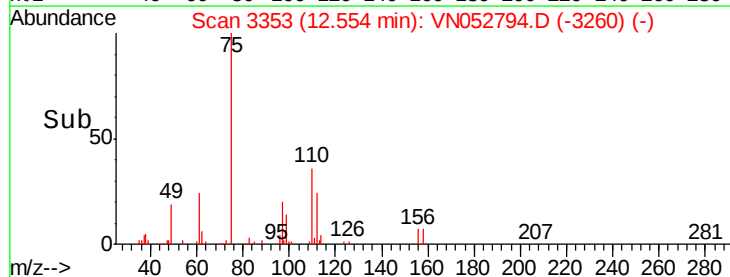
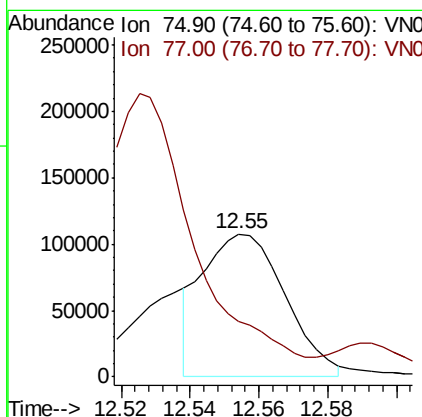
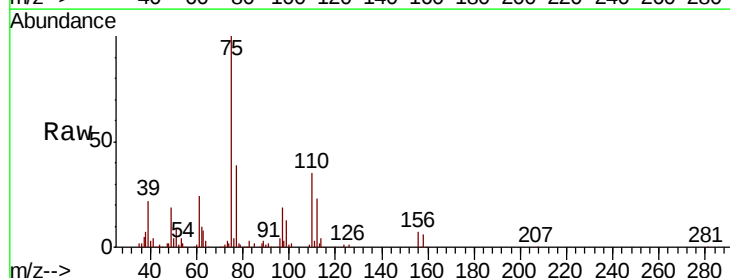
RT: 12.55 min Scan# 3353

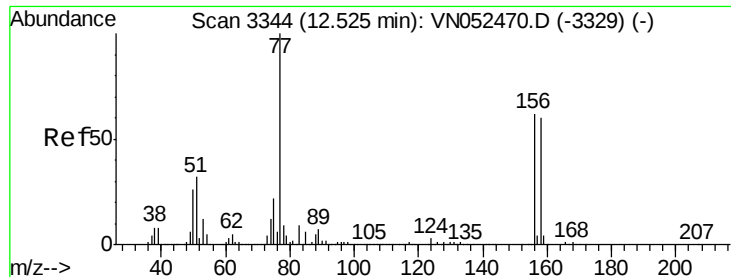
Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	75	Resp:	179218
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

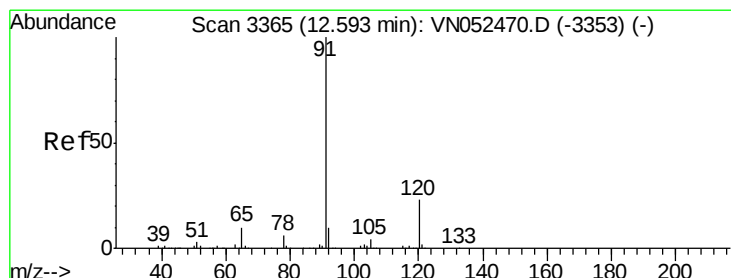
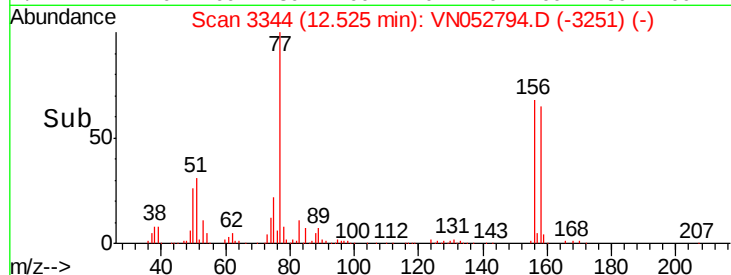
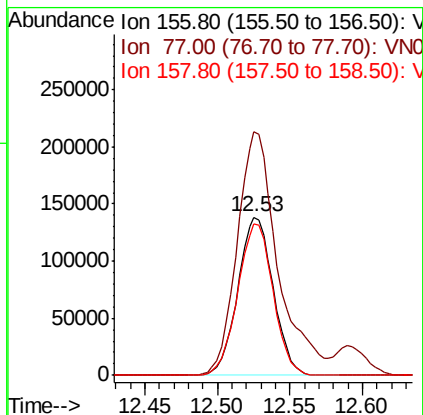
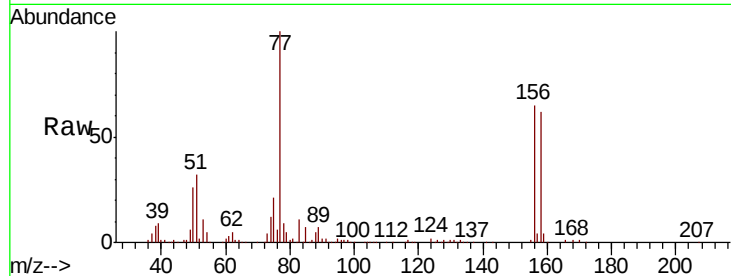
ClientSampleId :

VN1211WBSD01

Tot Ion:	156	Resp:	233670
Ion Ratio	Lower	Upper	
156	100		
77	178.8	93.5	280.4
158	96.0	48.3	144.9

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#78

n-propylbenzene

Concen: 19.353 ug/l

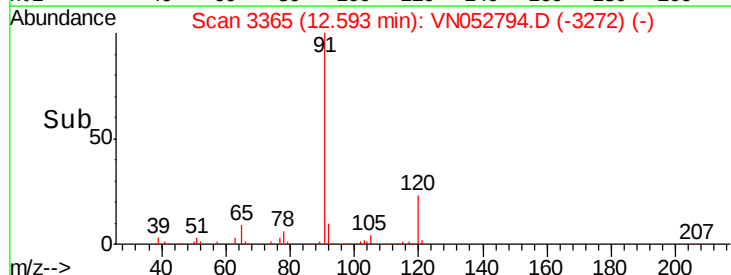
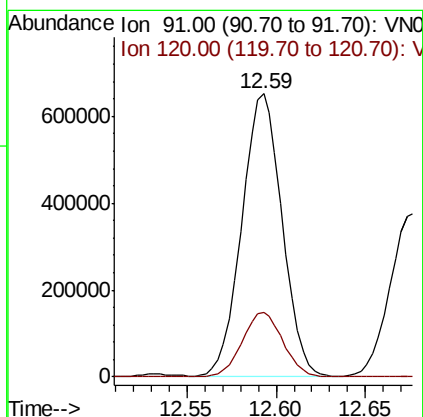
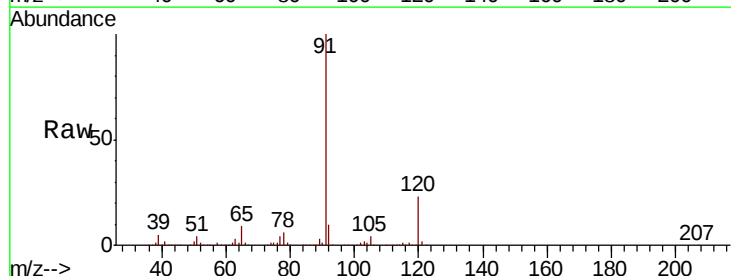
RT: 12.59 min Scan# 3365

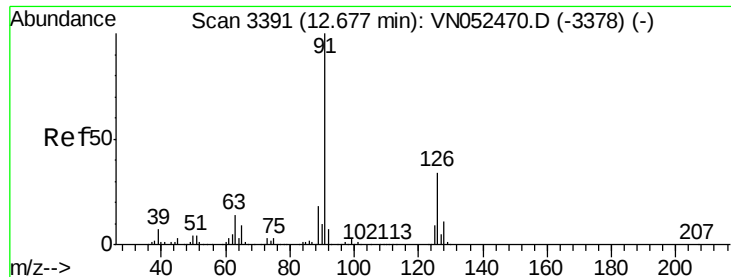
Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	91	Resp:	1026928
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





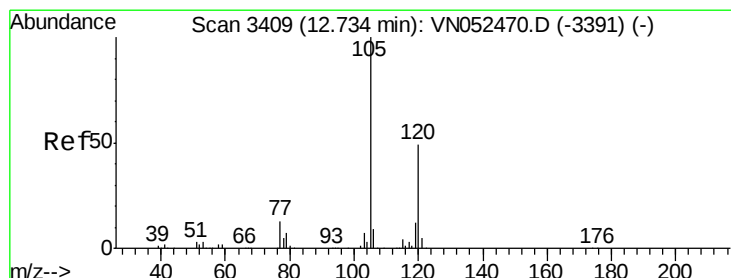
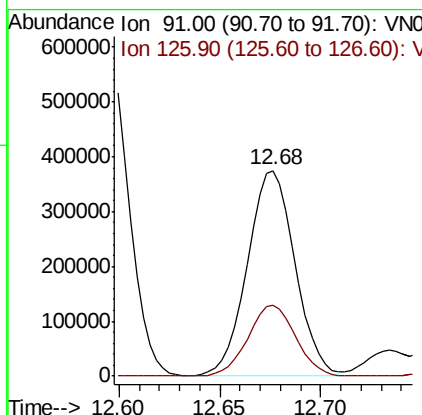
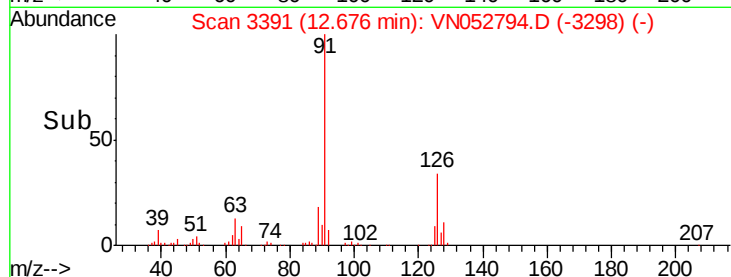
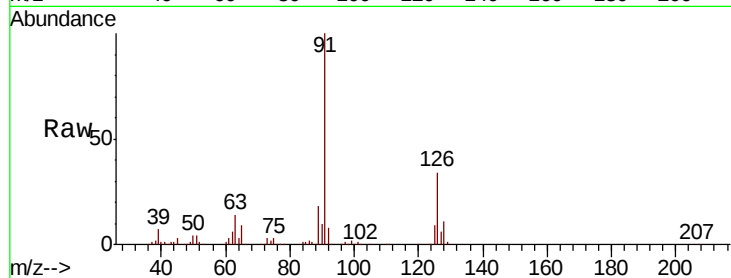
#79
 2-Chlorotoluene
 Concen: 19.529 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6

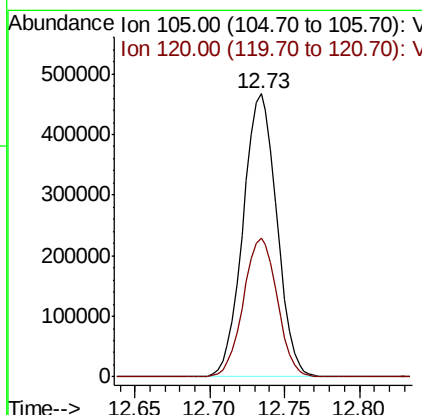
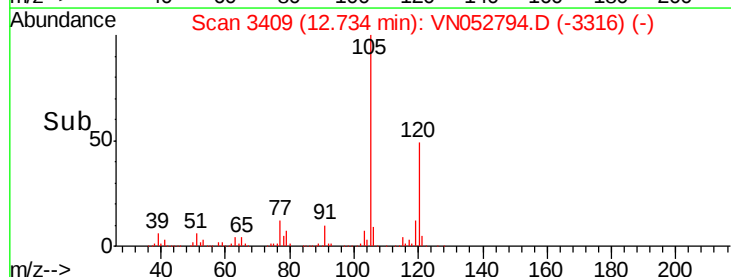
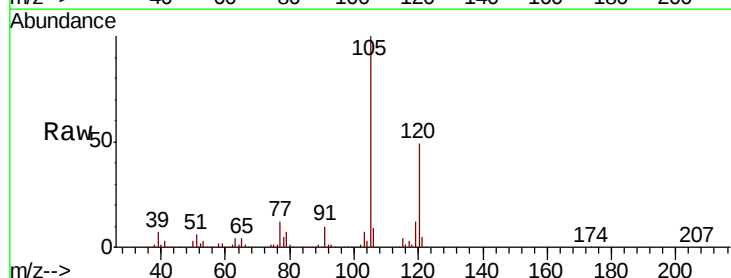
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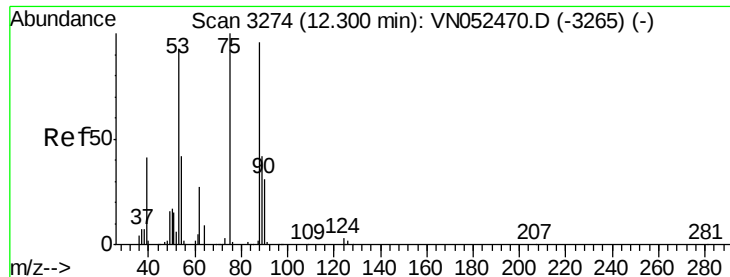
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.625 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.3	73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.783 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

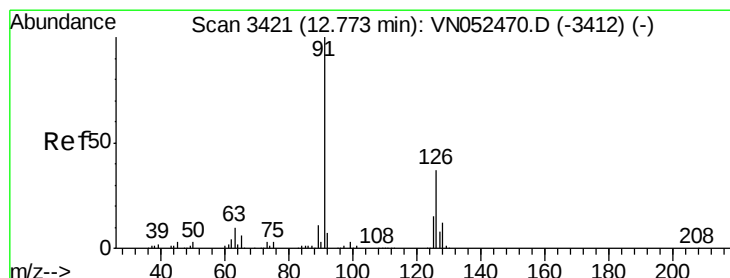
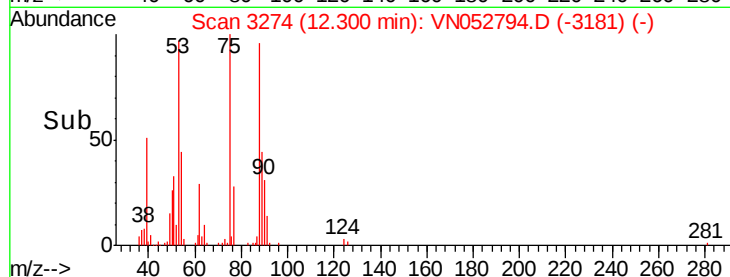
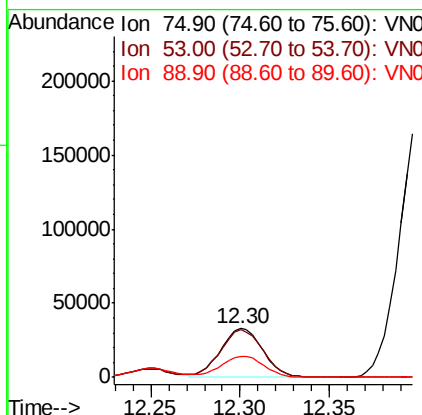
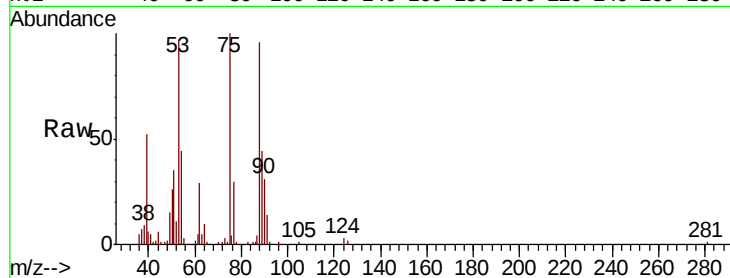
ClientSampleId :

VN1211WBSD01

Tot Ion:	75	Resp:	54385
Ion Ratio	Lower	Upper	
75	100		
53	98.6	77.4	116.0
89	44.4	35.4	53.2

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#82

4-Chlorotoluene

Concen: 19.702 ug/l

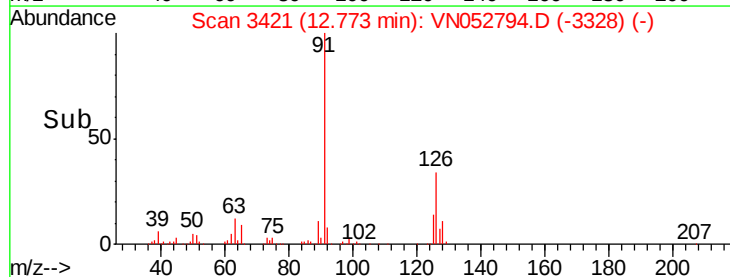
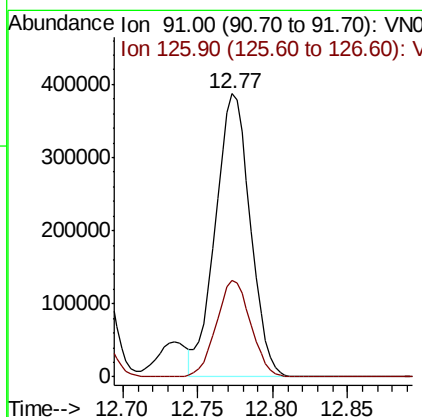
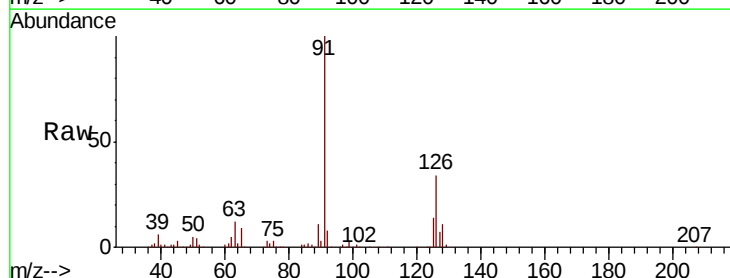
RT: 12.77 min Scan# 3421

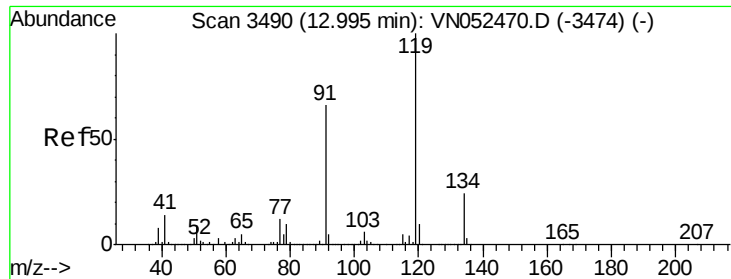
Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	91	Resp:	627450
Ion Ratio	Lower	Upper	
91	100		
126	33.7	16.9	50.6





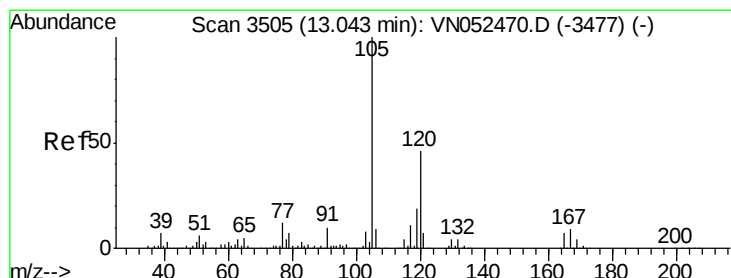
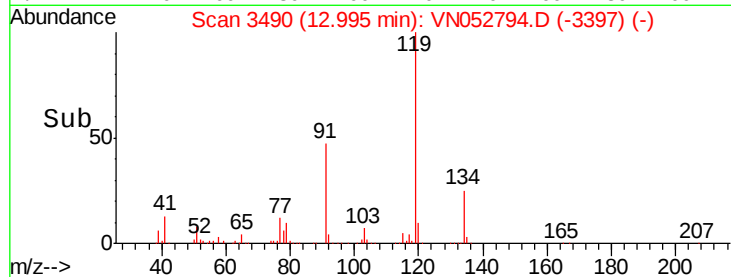
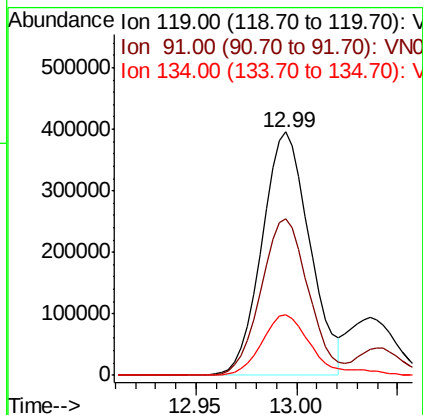
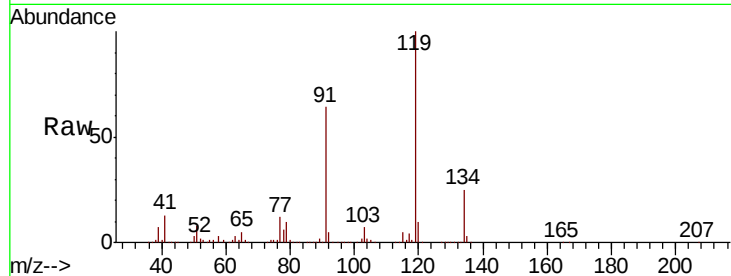
#83
 tert-Butylbenzene
 Concen: 19.646 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.3	96.9
134	26.2	13.0	38.9

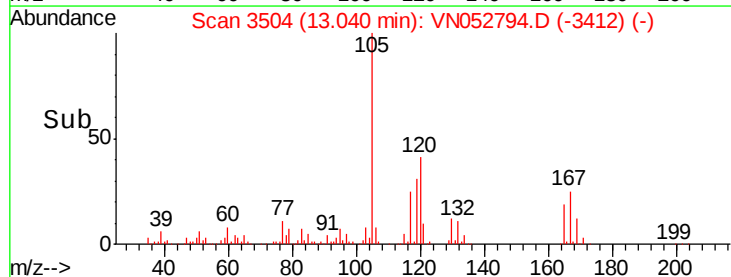
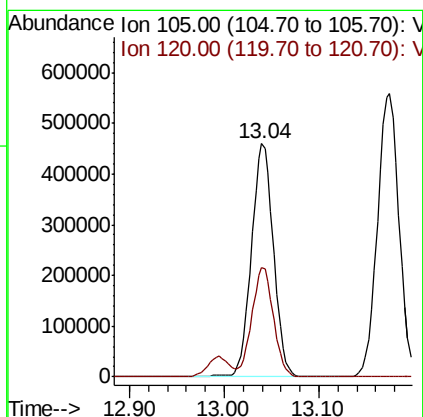
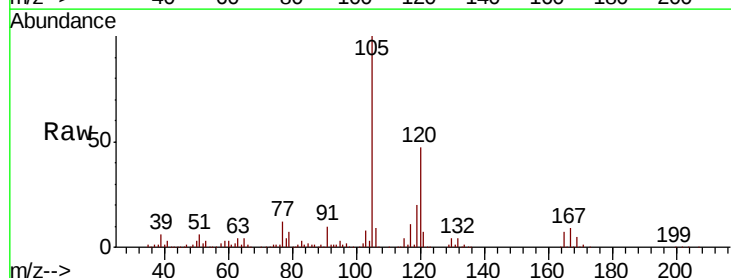
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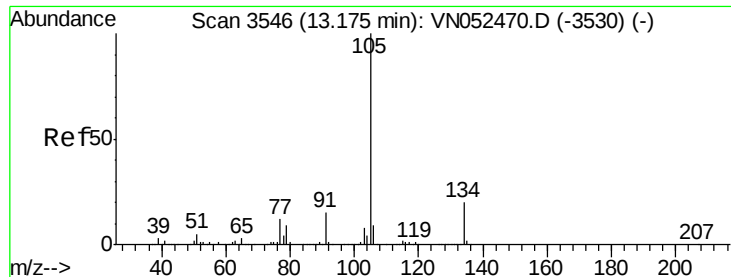
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.912 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.488 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion:105 Resp: 881520

Ion Ratio Lower Upper

105 100

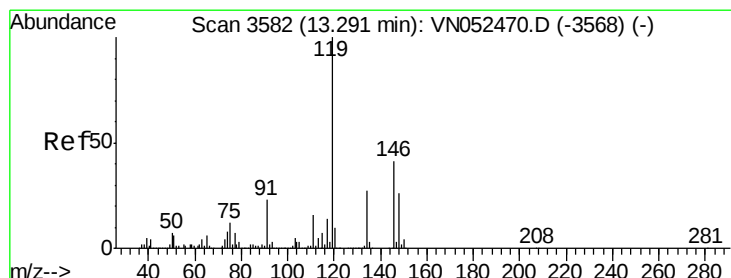
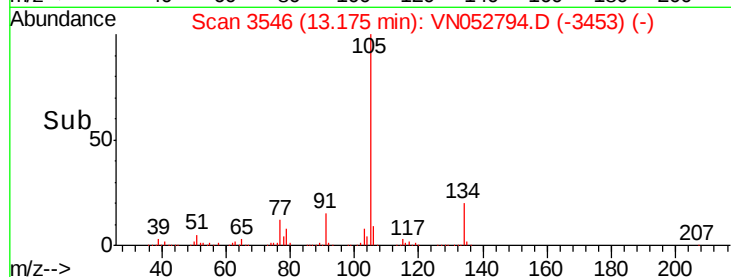
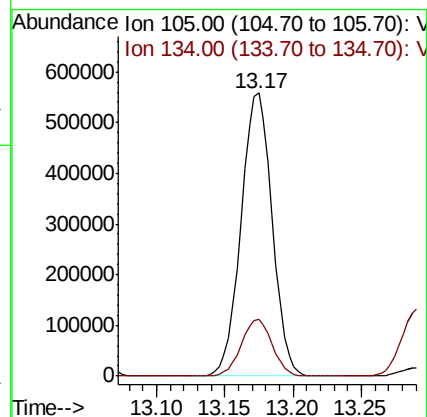
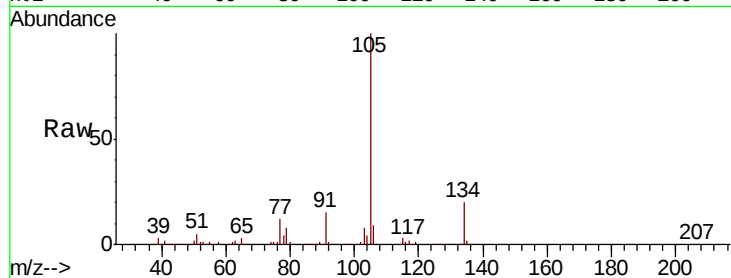
134 20.0 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 19.611 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

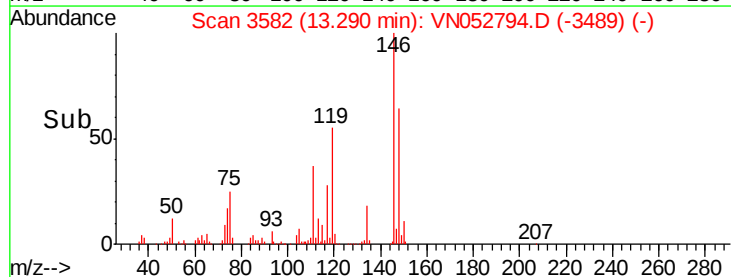
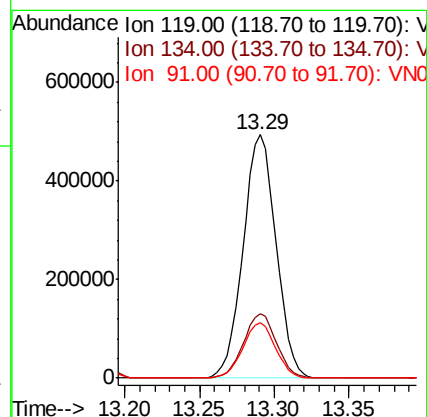
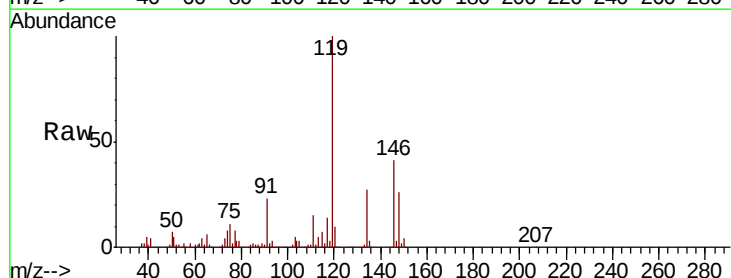
Tgt Ion:119 Resp: 755565

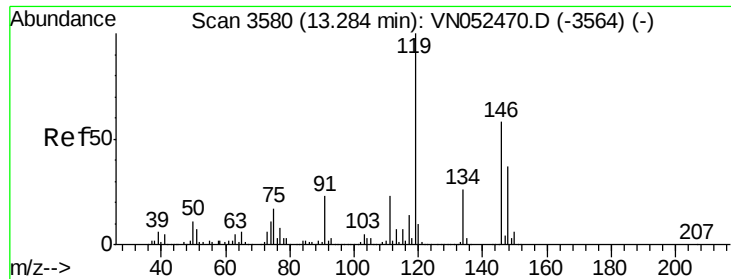
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.7 11.4 34.2





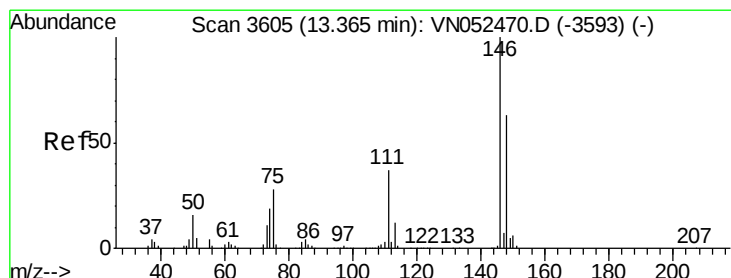
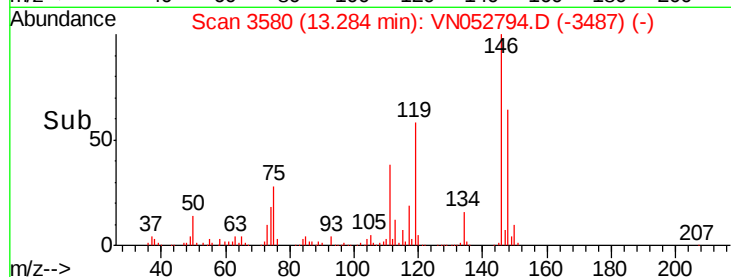
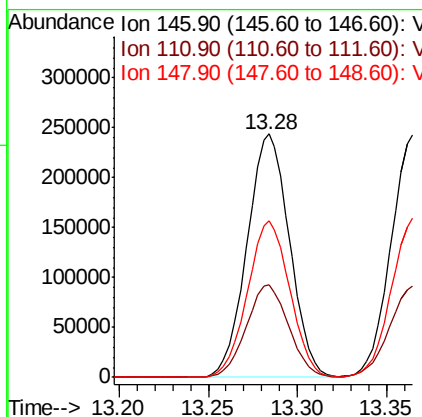
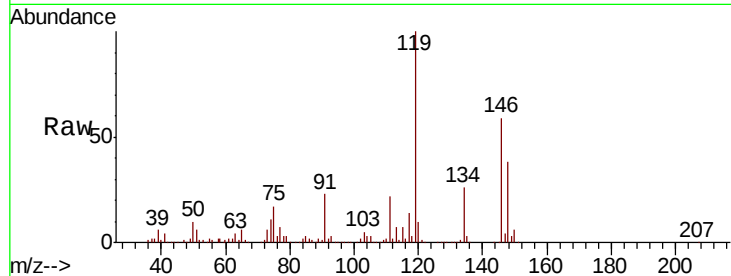
#87
 1,3-Dichlorobenzene
 Concen: 20.052 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	64.2	31.8	95.4

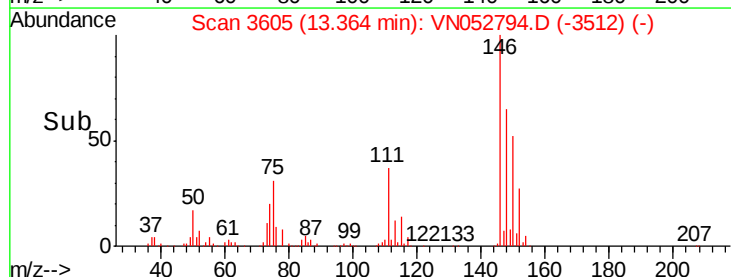
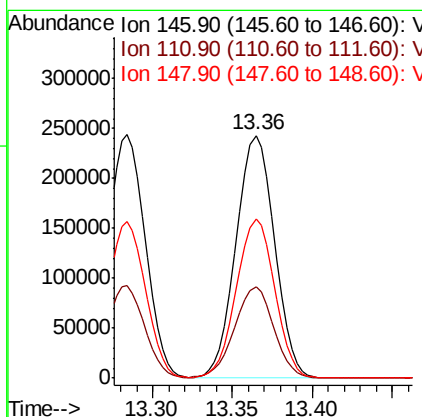
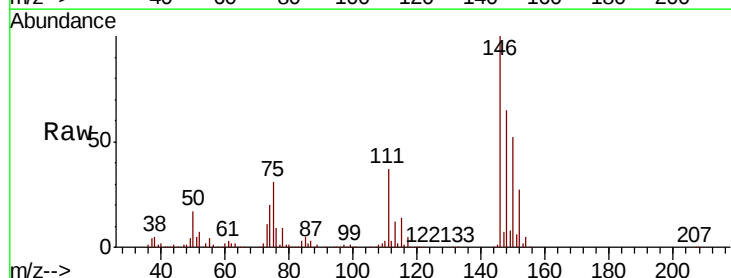
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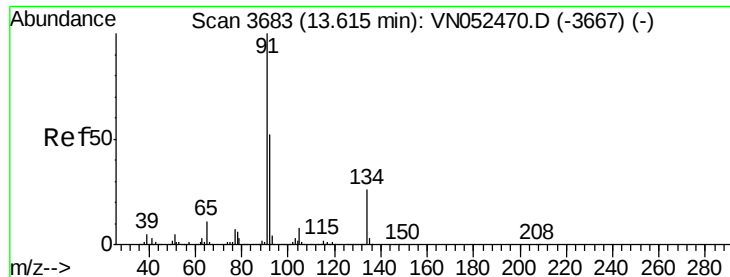
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#88
 1,4-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	56.0
148	65.5	31.9	95.9





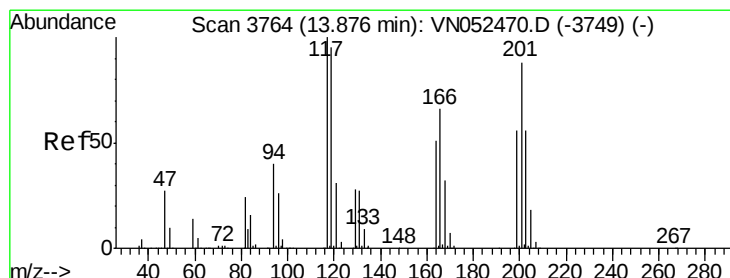
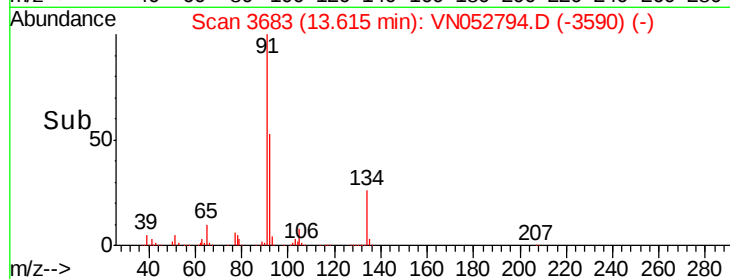
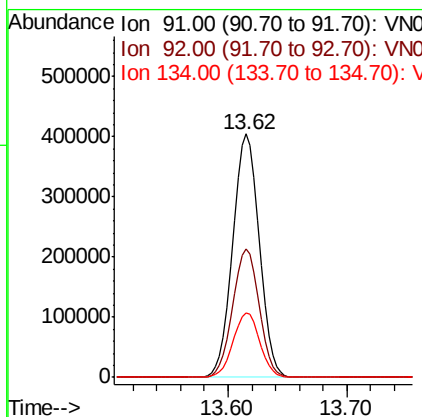
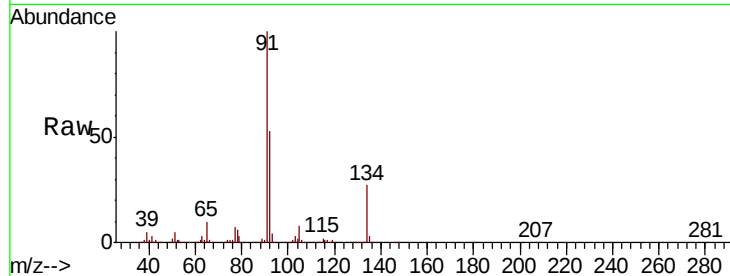
#89
n-Butylbenzene
Concen: 19.550 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.1	78.3
134	26.5	13.0	38.9

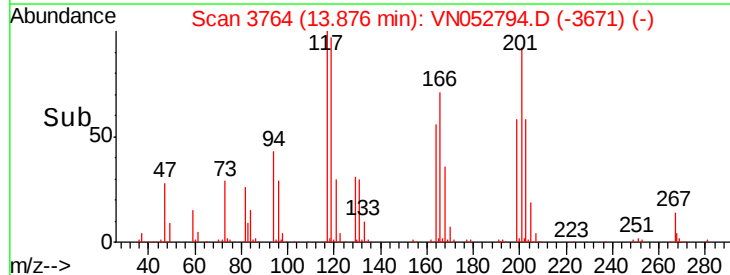
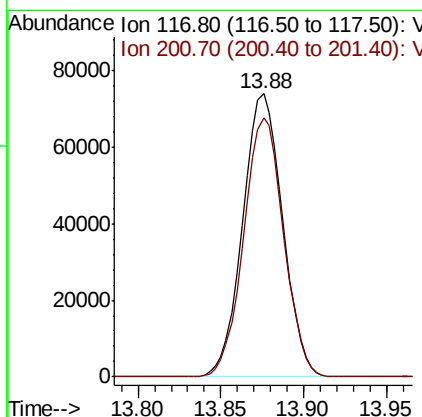
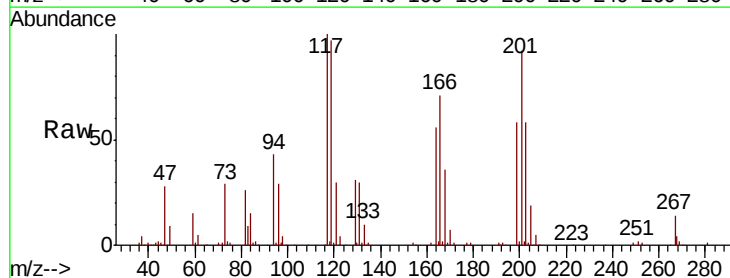
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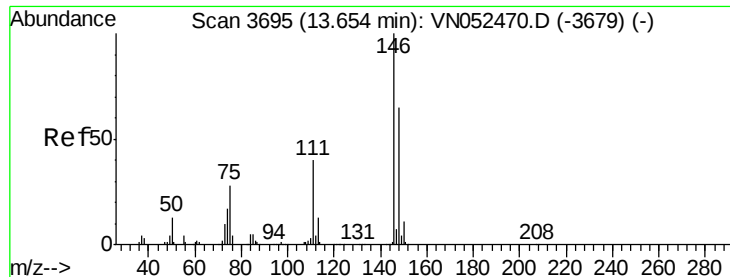
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#90
Hexachloroethane
Concen: 18.987 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 20.407 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Instrument :

MSVOA_N

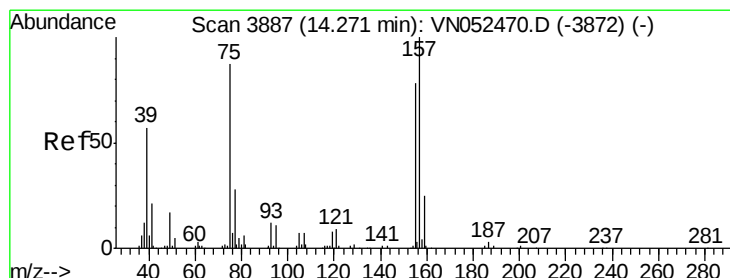
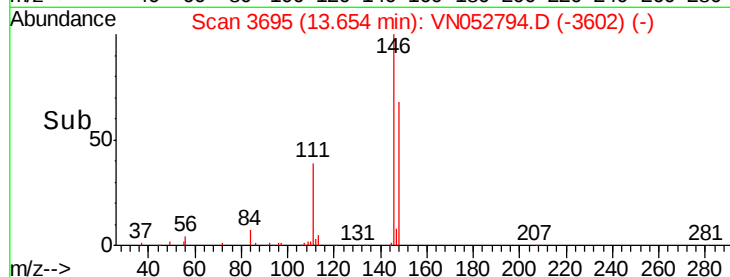
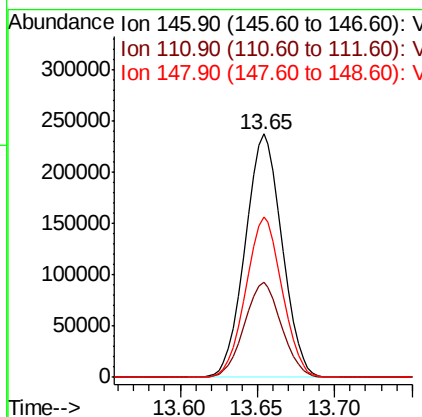
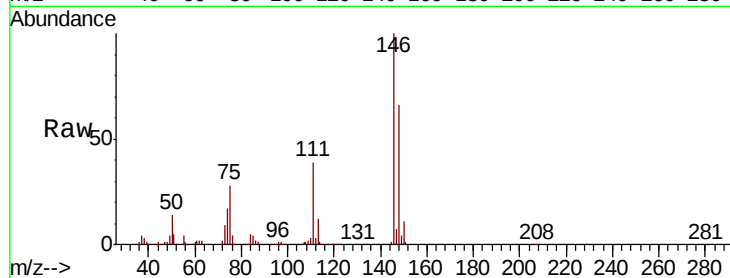
ClientSampleId :

VN1211WBSD01

Tot Ion:	146	Resp:	393740
Ion Ratio		Lower	Upper
146	100		
111	39.2	20.0	60.0
148	65.0	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.459 ug/l

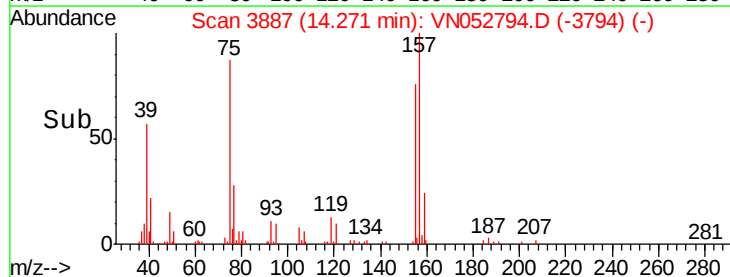
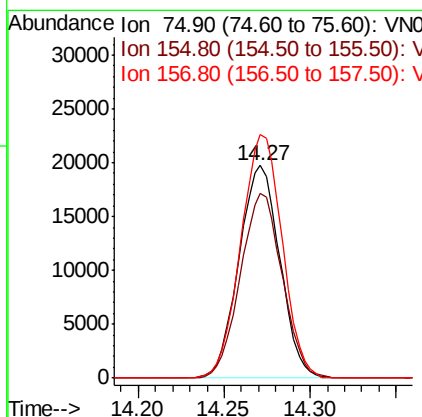
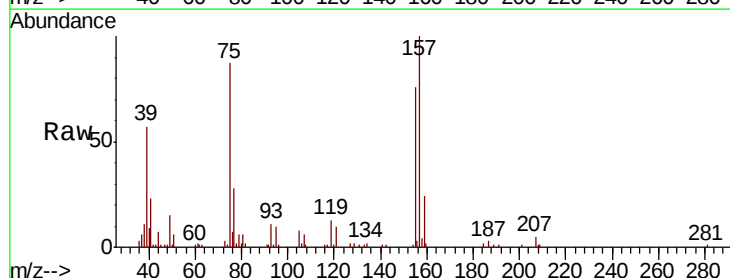
RT: 14.27 min Scan# 3887

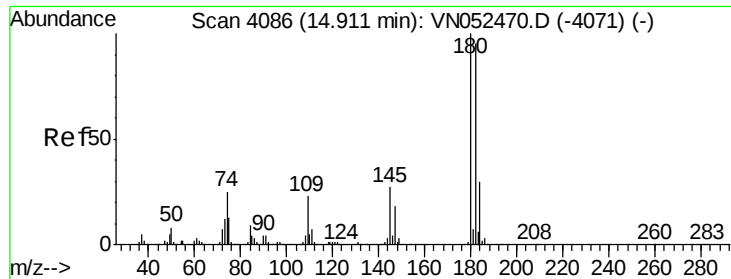
Delta R.T. -0.00 min

Lab File: VN052794.D

Acq: 11 Dec 2018 11:17

Tgt Ion:	75	Resp:	32610
Ion Ratio		Lower	Upper
75	100		
155	88.6	45.3	135.9
157	115.4	58.1	174.2





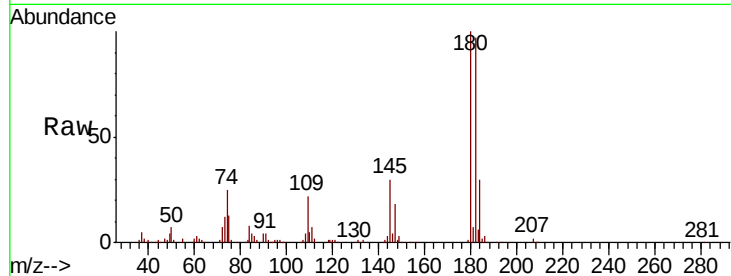
#93
 1,2,4-Trichlorobenzene
 Concen: 21.914 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213808		
182	95.8	47.8	143.4	
145	29.3	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:33:17 AM

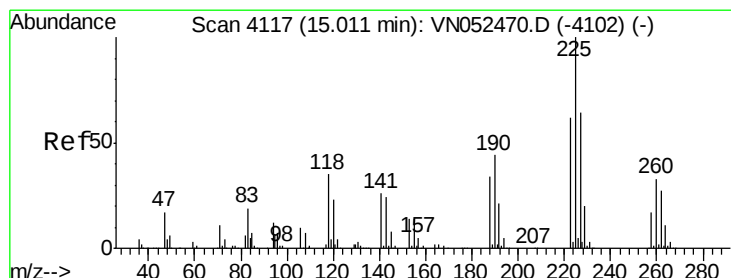
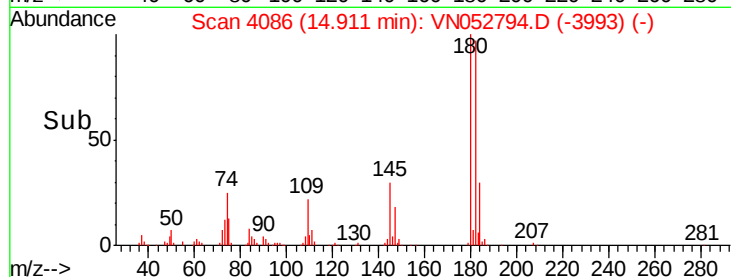
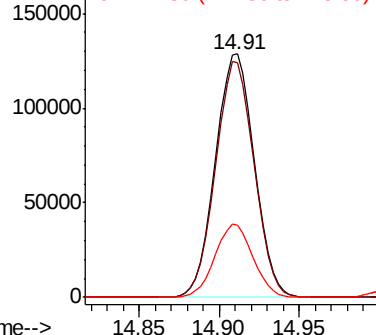


Abundance

Ion 179.80 (179.50 to 180.50): V

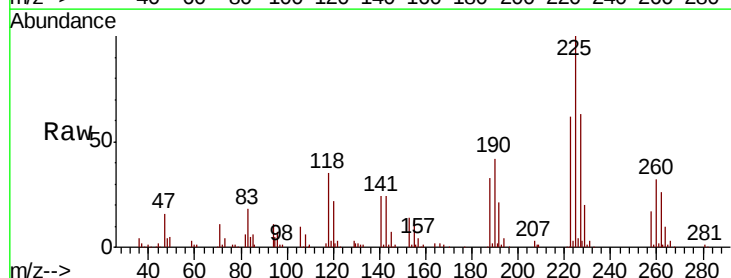
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.571 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052794.D
 Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127683		
223	60.6	31.4	94.2	
227	63.0	32.5	97.4	

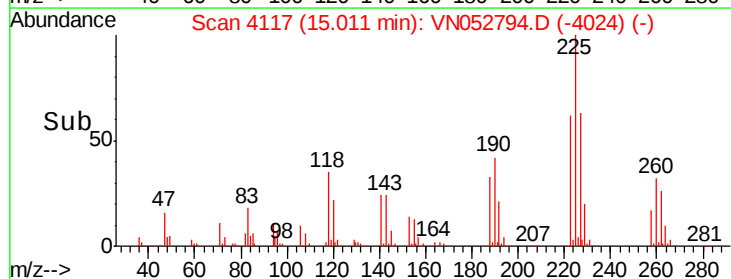
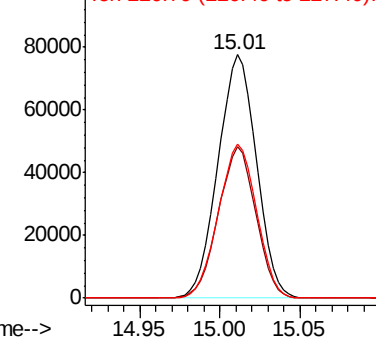


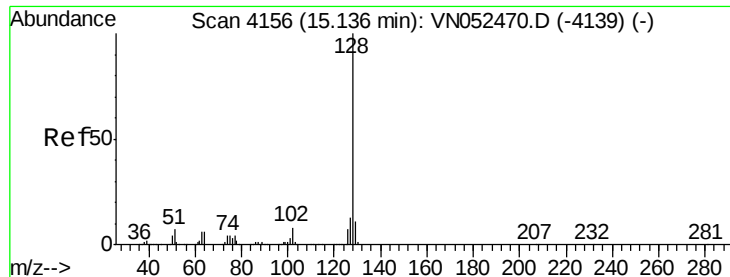
Abundance

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





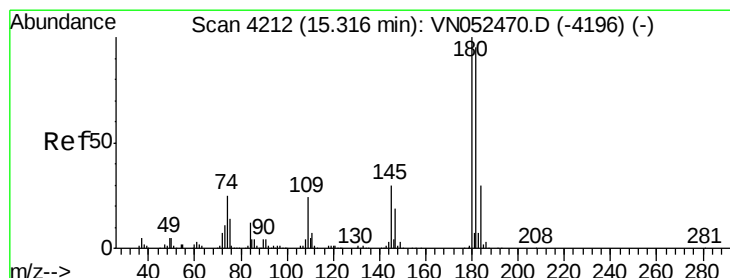
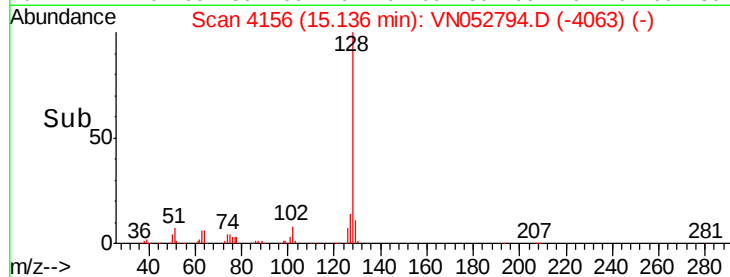
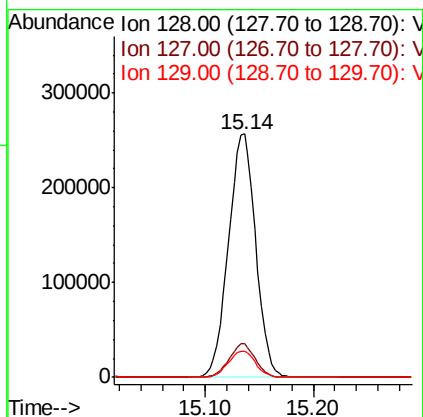
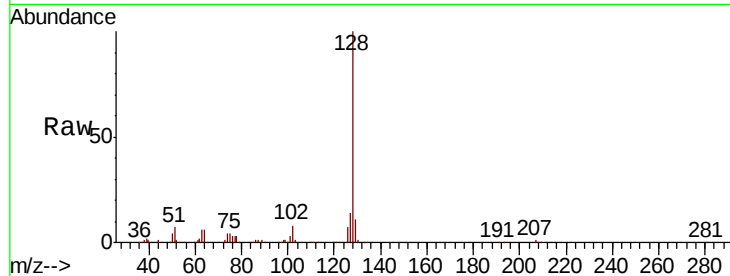
#95
Naphthalene
Concen: 22.231 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
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MMDadoda
12/12/2018 11:33:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.143 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052794.D
Acq: 11 Dec 2018 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	30.1	15.2	45.5

