

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052984.D
 Acq On : 19 Dec 2018 2:25
 Operator : MD\SY
 Sample : VN1218MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Manual Integrations
 APPROVED

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 12/19/2018 12:08:08 PM

Quant Time: Dec 19 05:44:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1125465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1745141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1548768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	686959	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	615768	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
35) Dibromofluoromethane	7.59	113	440804	55.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.60%	
50) Toluene-d8	10.09	98	2206663	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.40	95	741990	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	225902	19.832	ug/l	100
3) Chloromethane	2.06	50	277548	20.108	ug/l	99
4) Vinyl Chloride	2.19	62	283104	20.252	ug/l	100
5) Bromomethane	2.58	94	174752	18.043	ug/l	98
6) Chloroethane	2.71	64	168417	20.342	ug/l	99
7) Trichlorofluoromethane	3.03	101	351704	20.196	ug/l	99
8) Diethyl Ether	3.41	74	135056	20.557	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	219450	19.764	ug/l	98
10) Methyl Iodide	3.96	142	296729	19.030	ug/l	99
11) Tert butyl alcohol	4.78	59	72713	104.340	ug/l	97
12) 1,1-Dichloroethene	3.74	96	213781	19.929	ug/l	98
13) Acrolein	3.61	56	82498	130.557	ug/l	98
14) Allyl chloride	4.33	41	322014	19.380	ug/l	99
15) Acrylonitrile	4.99	53	404380	104.449	ug/l	99
16) Acetone	3.82	43	256721	114.640	ug/l	96
17) Carbon Disulfide	4.06	76	632259	18.073	ug/l	99
18) Methyl Acetate	4.33	43	202706	20.540	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	604674	21.064	ug/l	99
20) Methylene Chloride	4.55	84	245637	20.109	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	228045	19.786	ug/l	100
22) Diisopropyl ether	5.95	45	745066	21.007	ug/l	98
23) Vinyl Acetate	5.90	43	2140064	104.933	ug/l	99
24) 1,1-Dichloroethane	5.85	63	432554	20.524	ug/l	99
25) 2-Butanone	6.83	43	421630	112.189	ug/l	98
26) 2,2-Dichloropropane	6.83	77	254370	15.811	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	265298	20.332	ug/l	97
28) Bromochloromethane	7.20	49	185153	20.274	ug/l	95
29) Tetrahydrofuran	7.21	42	309992	110.440	ug/l	99
30) Chloroform	7.37	83	423788	20.469	ug/l	97
31) Cyclohexane	7.66	56	410688	20.150	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	351681	19.940	ug/l	99
36) 1,1-Dichloropropene	7.80	75	326956	19.519	ug/l	100
37) Ethyl Acetate	6.93	43	204019	21.818	ug/l	99
38) Carbon Tetrachloride	7.78	117	300189	19.552	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384956	18.918	ug/l	96
40) Benzene	8.04	78	996319	19.997	ug/l	100
41) Methacrylonitrile	7.17	41	105649	19.554	ug/l	96
42) 1,2-Dichloroethane	8.13	62	298609	20.288	ug/l	99
43) Isopropyl Acetate	8.17	43	387716	20.816	ug/l	99
44) Trichloroethene	8.84	130	281197	19.513	ug/l	95
45) 1,2-Dichloropropane	9.12	63	261703	20.166	ug/l	99
46) Dibromomethane	9.21	93	151775	20.076	ug/l	98
47) Bromodichloromethane	9.40	83	314180	19.551	ug/l	99
48) Methyl methacrylate	9.20	41	185414	20.434	ug/l	97
49) 1,4-Dioxane	9.20	88	44604	388.606	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	984016	108.664	ug/l	99
52) Toluene	10.16	92	614696	19.905	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	312834	18.513	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	369515	19.051	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	219131	20.339	ug/l	99
56) Ethyl methacrylate	10.43	69	293286	20.567	ug/l	97
57) 1,3-Dichloropropane	10.71	76	378538	20.489	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	819342	104.658	ug/l	98
59) 2-Hexanone	10.75	43	657733	107.353	ug/l	100
60) Dibromochloromethane	10.90	129	237698	19.274	ug/l	100
61) 1,2-Dibromoethane	11.01	107	218930	20.008	ug/l	100
64) Tetrachloroethene	10.63	164	321122	19.141	ug/l	99
65) Chlorobenzene	11.43	112	669775	19.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232947	19.512	ug/l	99
67) Ethyl Benzene	11.51	91	1151974	19.511	ug/l	99
68) m/p-Xylenes	11.62	106	880146	39.213	ug/l	99
69) o-Xylene	11.95	106	426472	19.801	ug/l	100
70) Styrene	11.97	104	696142	19.822	ug/l	99
71) Bromoform	12.13	173	161515	18.727	ug/l #	99
73) Isopropylbenzene	12.25	105	1130670	21.036	ug/l	100
74) N-amyl acetate	12.07	43	326421	21.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237672	22.540	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234460m	20.275	ug/l	
77) Bromobenzene	12.53	156	288980	20.683	ug/l	98
78) n-propylbenzene	12.59	91	1254433	20.492	ug/l	100
79) 2-Chlorotoluene	12.68	91	747181	19.692	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	879469	20.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66716	18.595	ug/l	99
82) 4-Chlorotoluene	12.77	91	755068	20.328	ug/l	100
83) tert-Butylbenzene	12.99	119	782094	20.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	881584	20.017	ug/l	100
85) sec-Butylbenzene	13.17	105	1030587	19.665	ug/l	100
86) p-Isopropyltoluene	13.29	119	880318	19.440	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	474868	19.204	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	470351	18.783	ug/l	99
89) n-Butylbenzene	13.62	91	693418	17.799	ug/l	99
90) Hexachloroethane	13.88	117	128680	18.517	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	452312	19.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35398	19.415	ug/l	98

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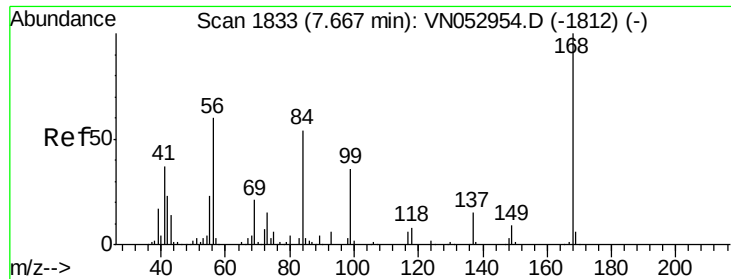
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220717	18.283	ug/l	99
94) Hexachlorobutadiene	15.01	225	129597	18.490	ug/l	98
95) Naphthalene	15.14	128	489833	18.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	202331	18.546	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: VN052984.D

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VN1218MBS02

Tgt Ion:168 Resp: 1125465

Ion Ratio Lower Upper

168 100

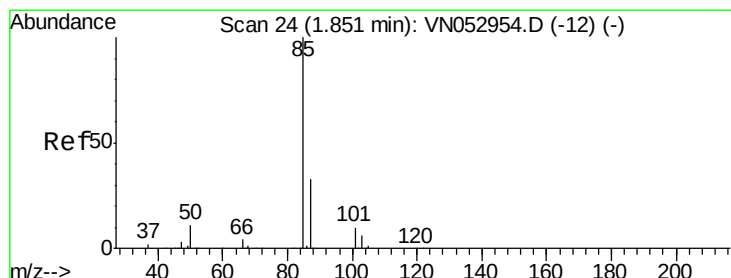
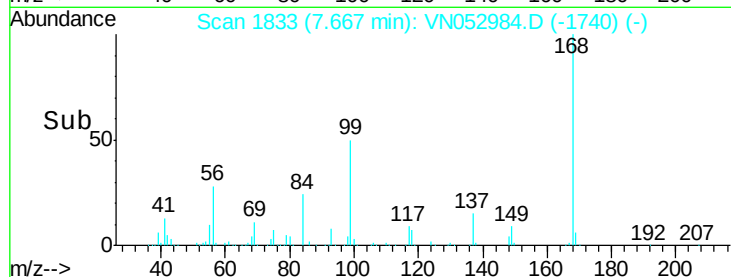
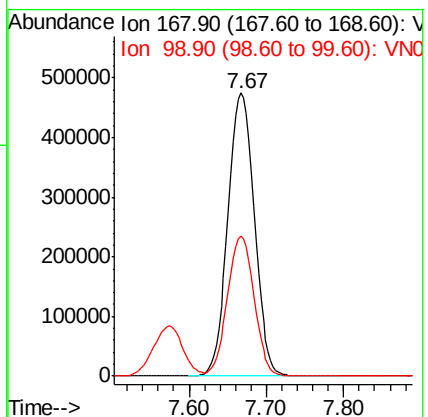
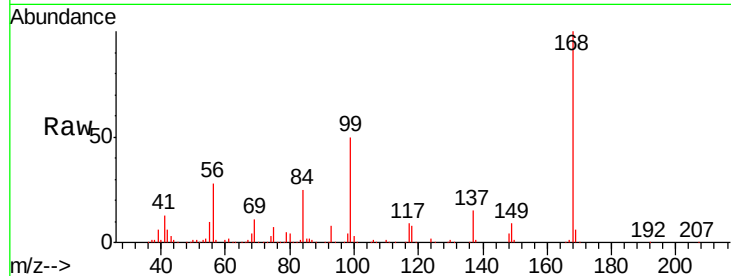
99 49.6 40.2 60.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.832 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052984.D

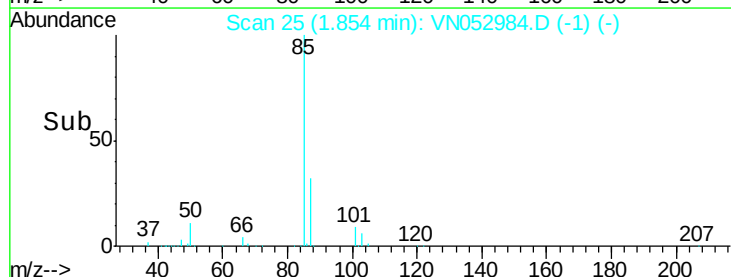
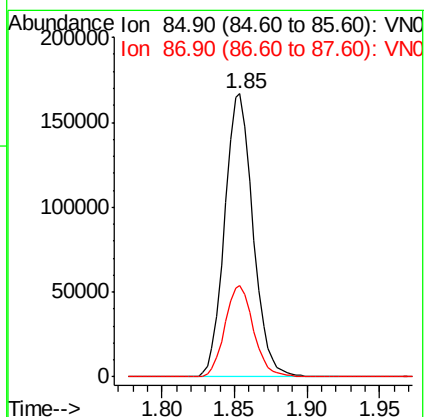
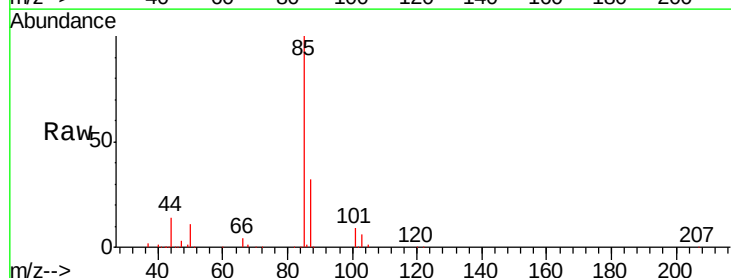
Acq: 19 Dec 2018 2:25

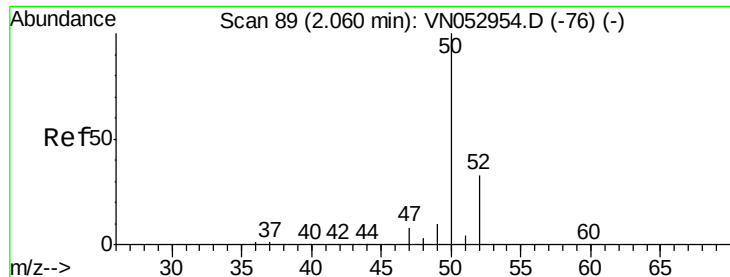
Tgt Ion: 85 Resp: 225902

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8





#3

Chloromethane

Concen: 20.108 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 50 Resp: 277548

Ion Ratio Lower Upper

50 100

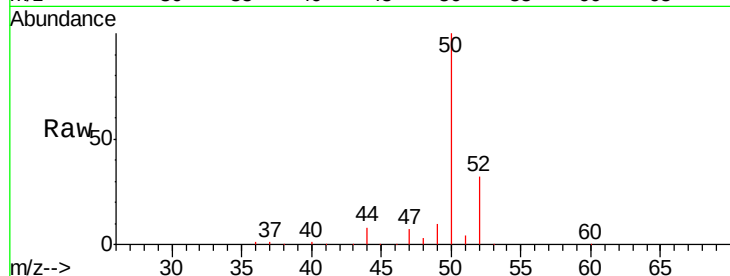
52 32.4 26.2 39.4

Manual Integrations

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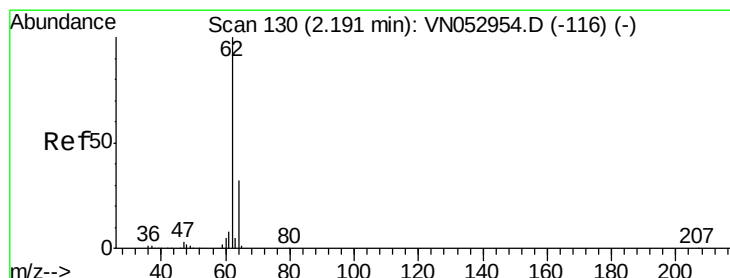
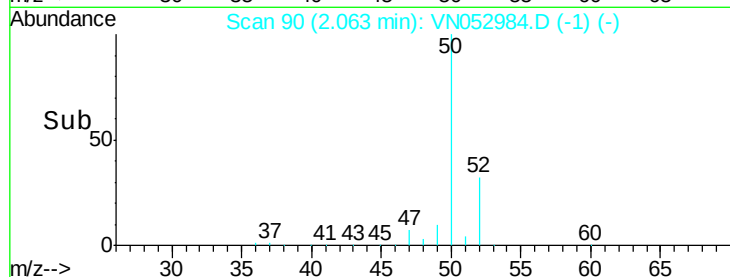
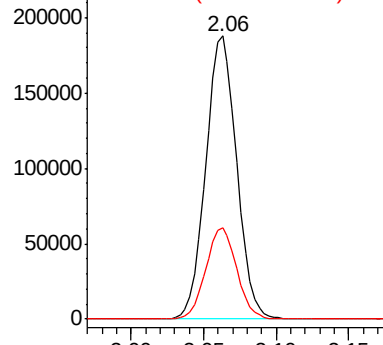
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.252 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052984.D

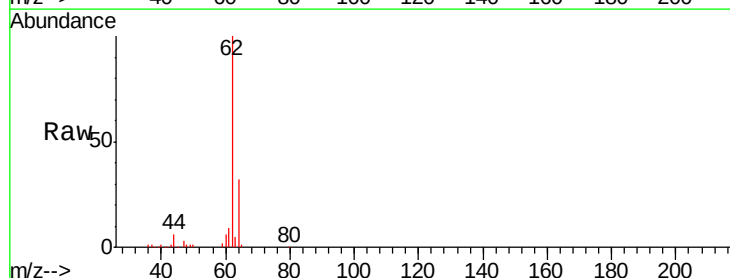
Acq: 19 Dec 2018 2:25

Tgt Ion: 62 Resp: 283104

Ion Ratio Lower Upper

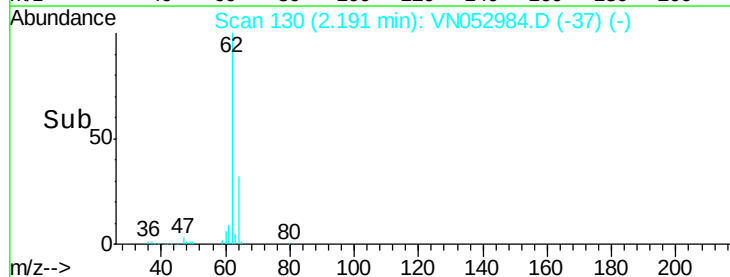
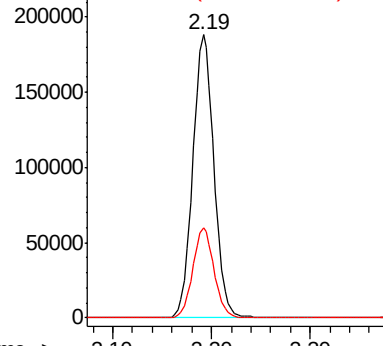
62 100

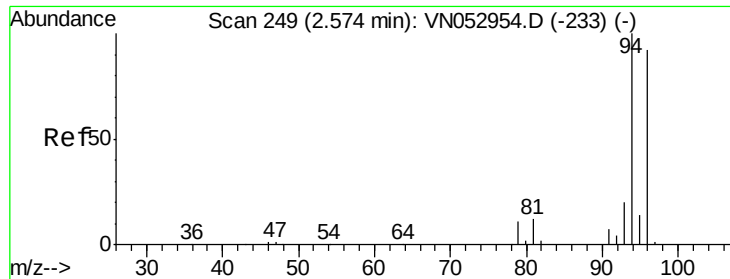
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.043 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

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Acq: 19 Dec 2018 2:25

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ClientSampleId :

VN1218MBS02

Tgt Ion: 94 Resp: 174752

Ion Ratio Lower Upper

94 100

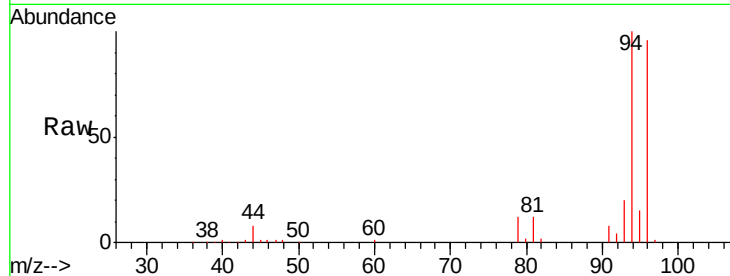
96 95.5 75.0 112.4

Manual Integrations

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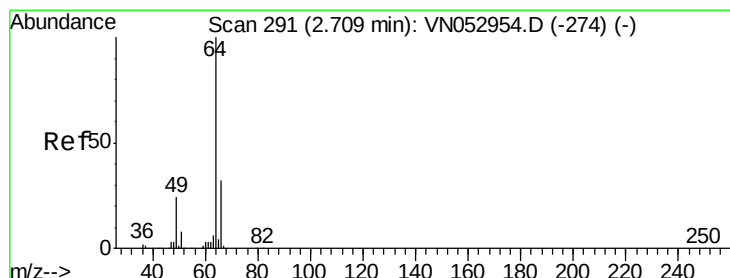
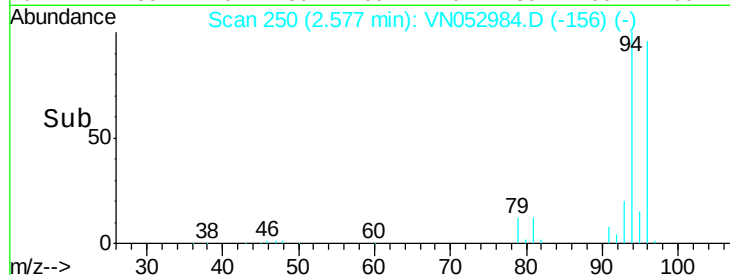
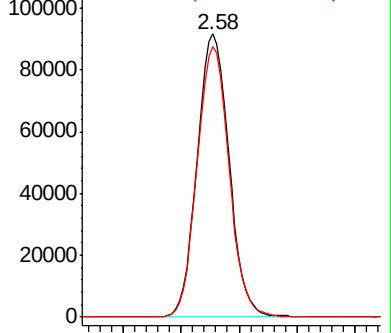
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.342 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052984.D

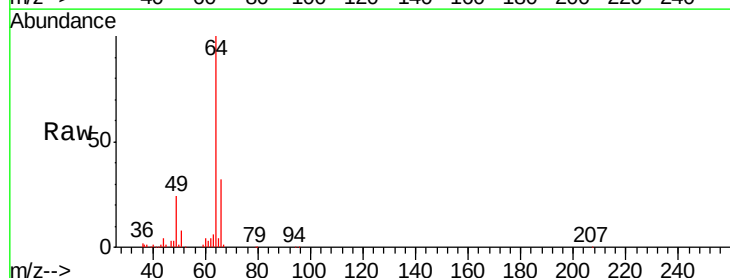
Acq: 19 Dec 2018 2:25

Tgt Ion: 64 Resp: 168417

Ion Ratio Lower Upper

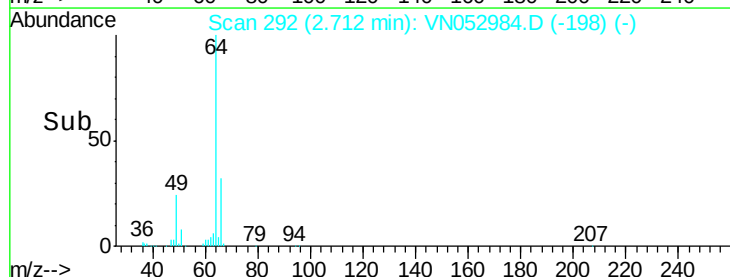
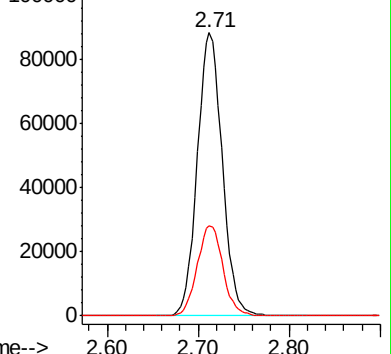
64 100

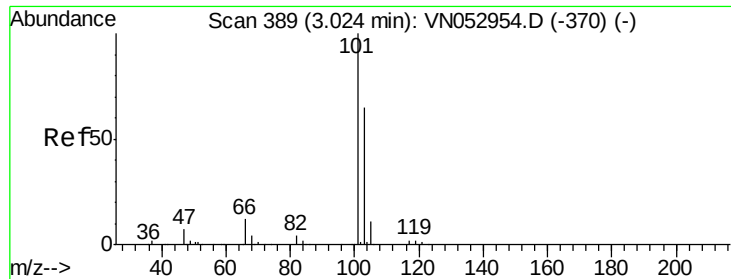
66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

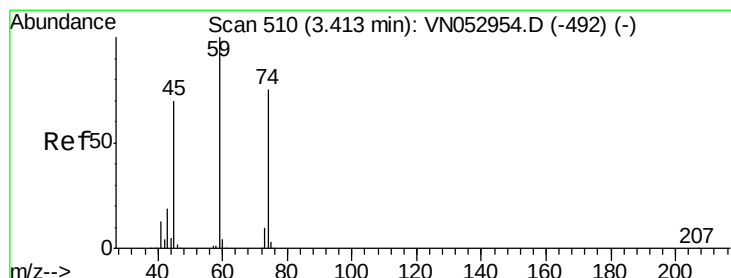
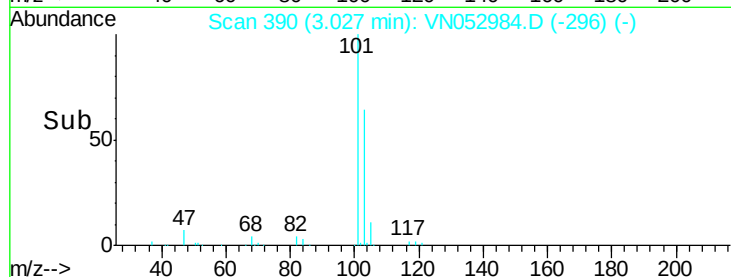
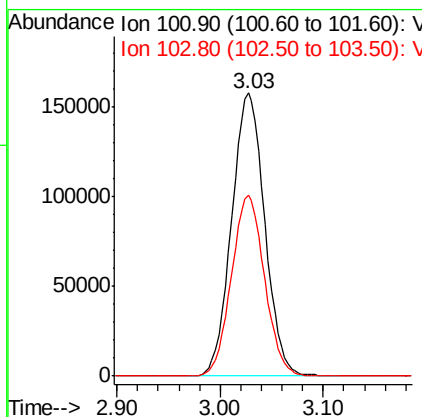
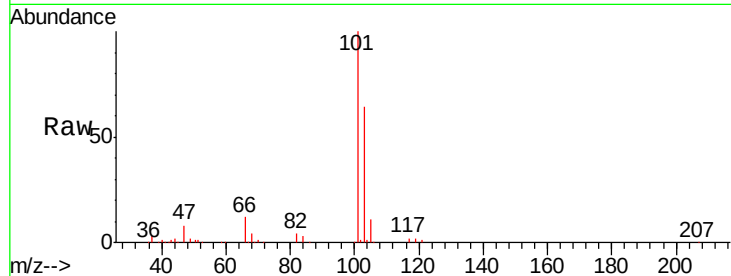
Trichlorofluoromethane
 Concen: 20.196 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

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 VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.6

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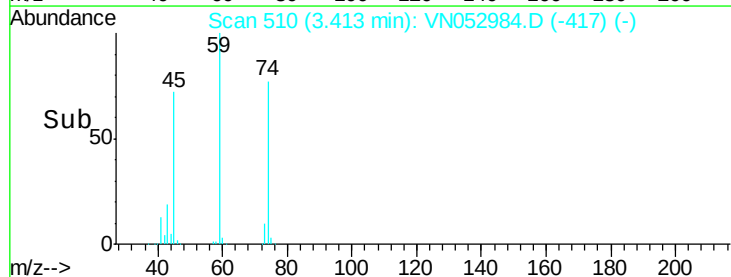
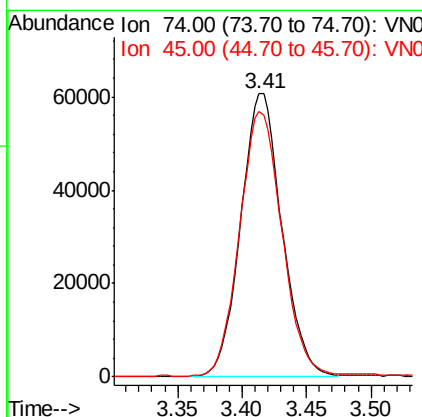
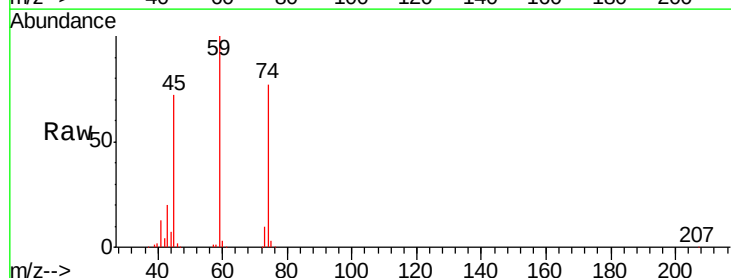
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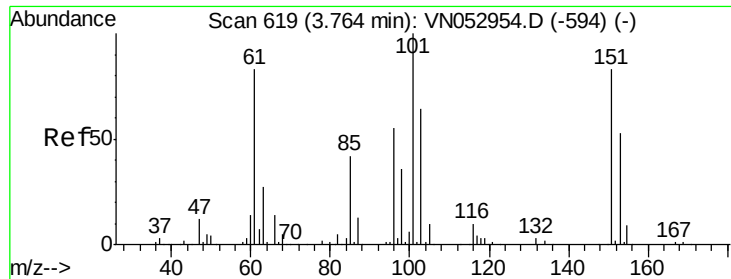


#8

Diethyl Ether
 Concen: 20.557 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052984.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	49.4	148.0





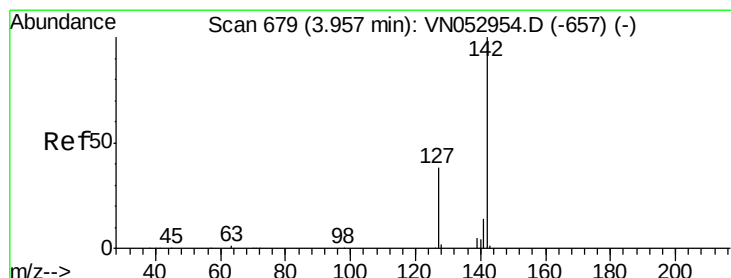
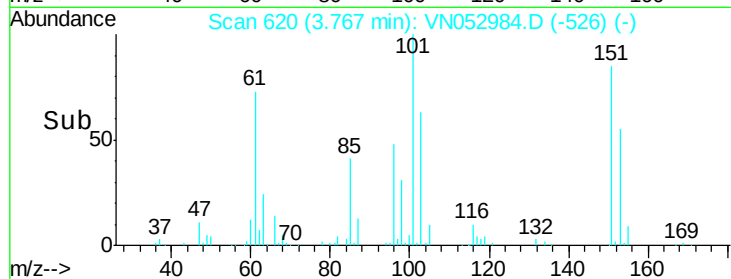
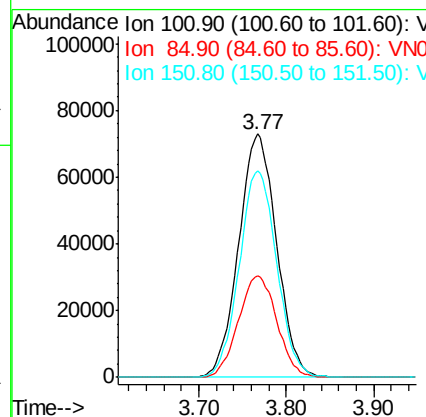
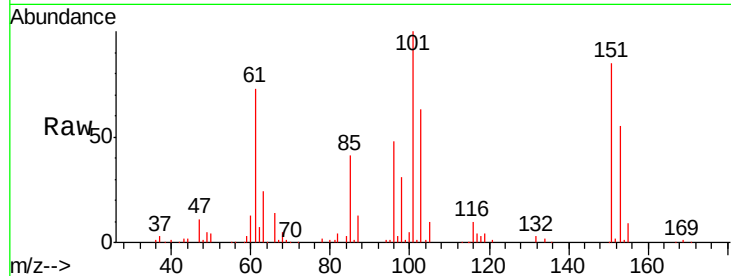
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.764 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	219450		
85	42.2	33.6	50.4	
151	84.0	65.5	98.3	

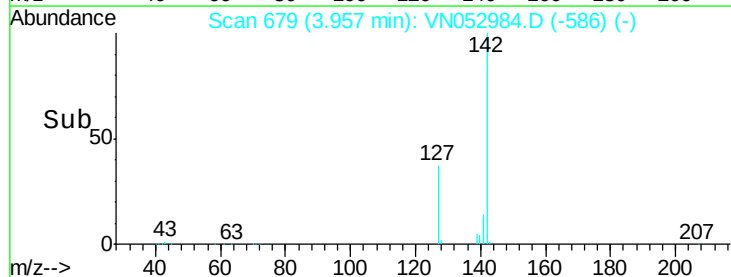
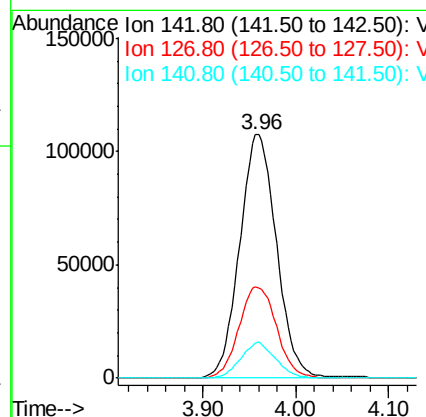
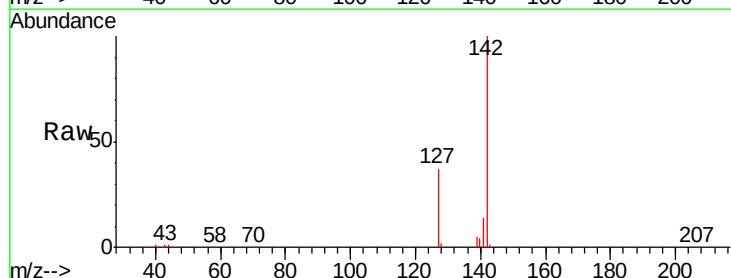
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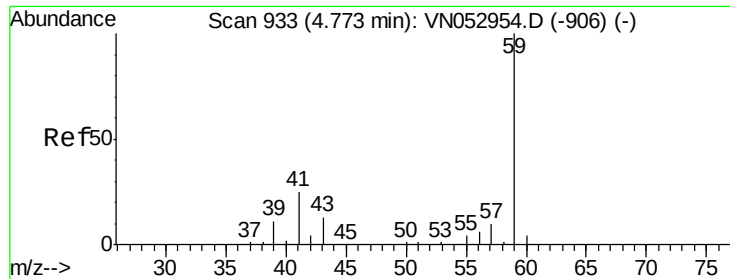
MMDadoda
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#10
 Methyl Iodide
 Concen: 19.030 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	296729		
127	38.3	31.0	46.6	
141	13.9	11.2	16.8	





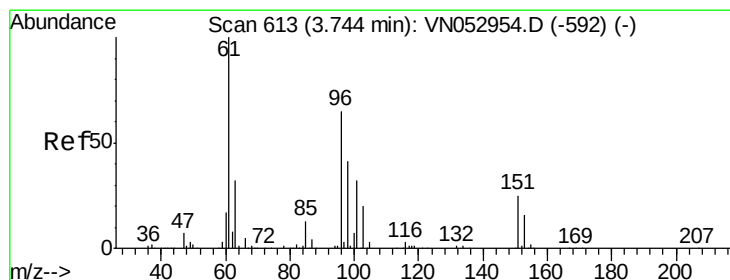
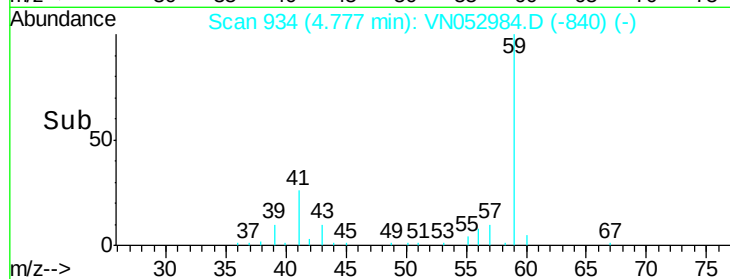
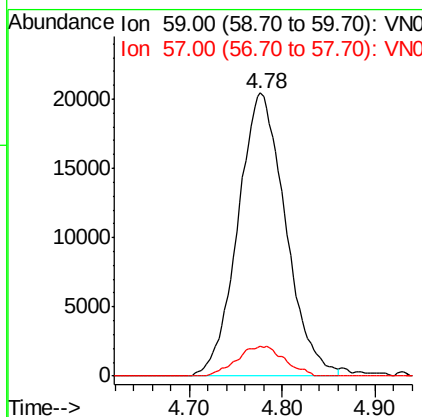
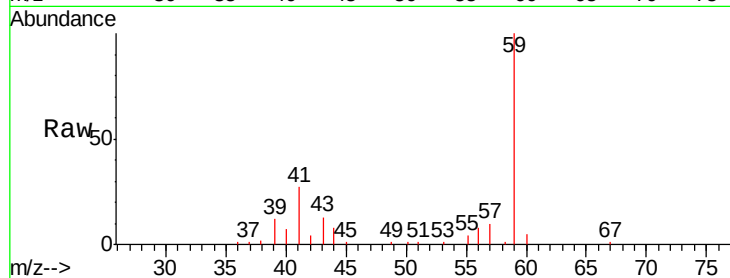
#11
Tert butyl alcohol
Concen: 104.340 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion: 59 Resp: 72713
Ion Ratio Lower Upper
59 100
57 10.6 7.7 11.5

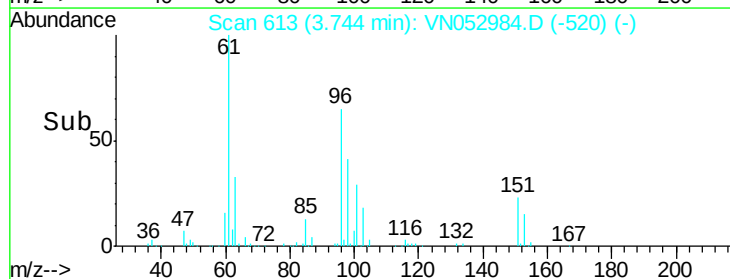
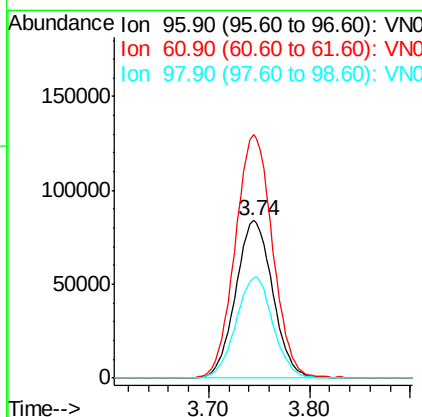
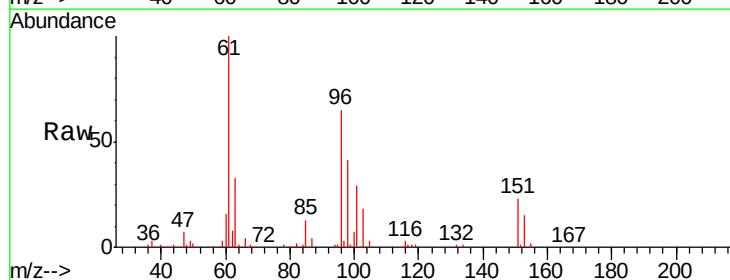
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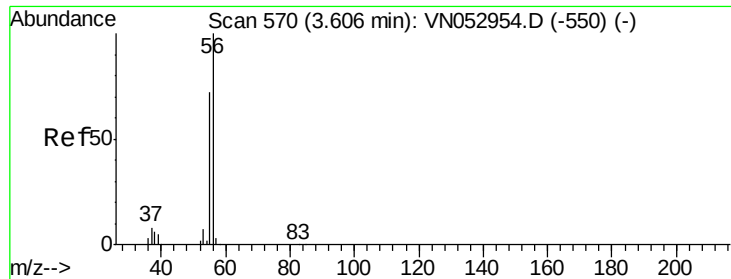
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.929 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 96 Resp: 213781
Ion Ratio Lower Upper
96 100
61 154.6 125.6 188.4
98 63.7 50.6 75.8





#13

Acrolein

Concen: 130.557 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 56 Resp: 82498

Ion Ratio Lower Upper

56 100

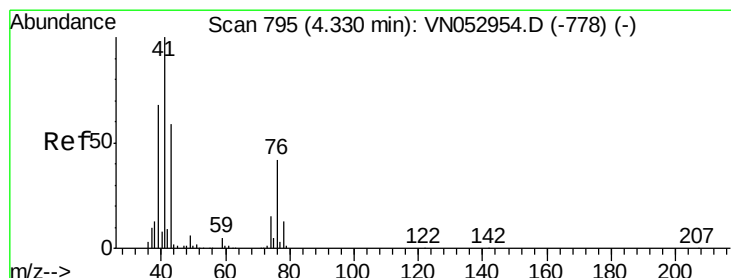
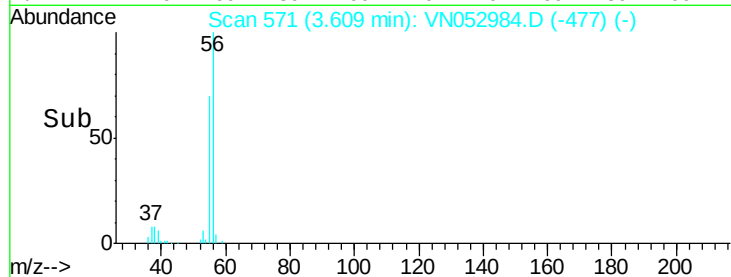
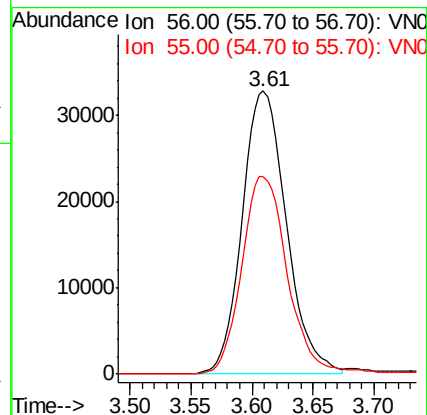
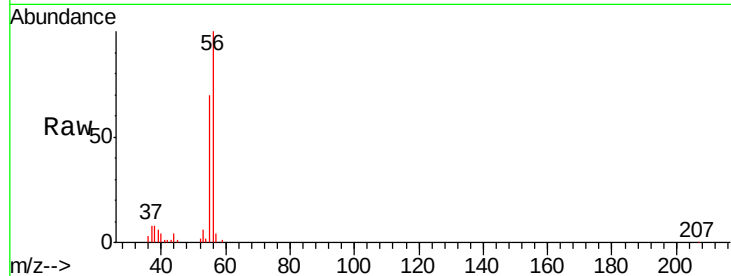
55 72.2 56.6 85.0

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#14

Allyl chloride

Concen: 19.380 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

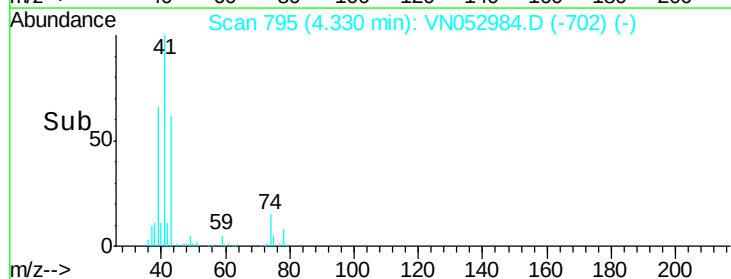
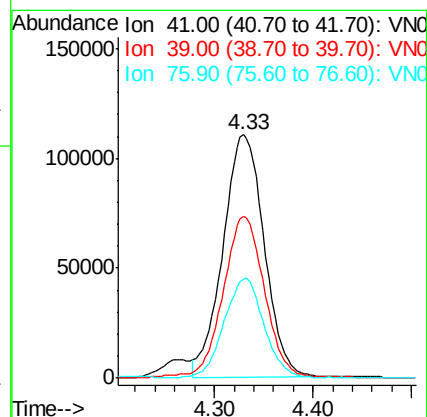
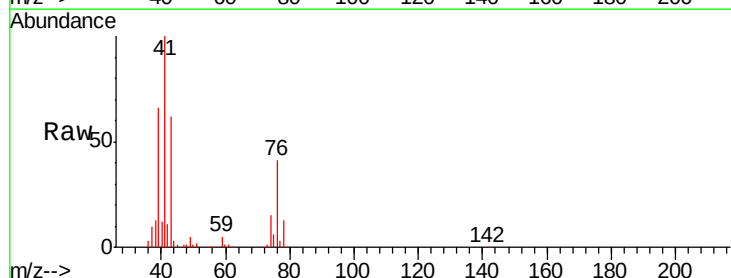
Tgt Ion: 41 Resp: 322014

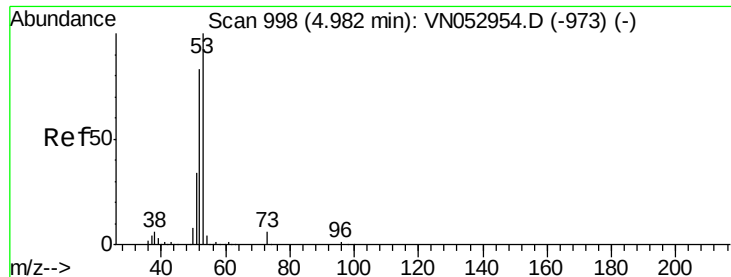
Ion Ratio Lower Upper

41 100

39 67.6 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 104.449 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

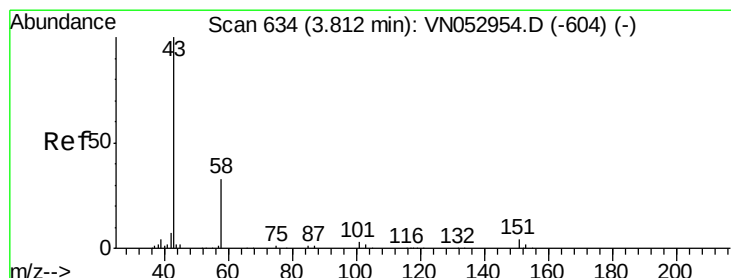
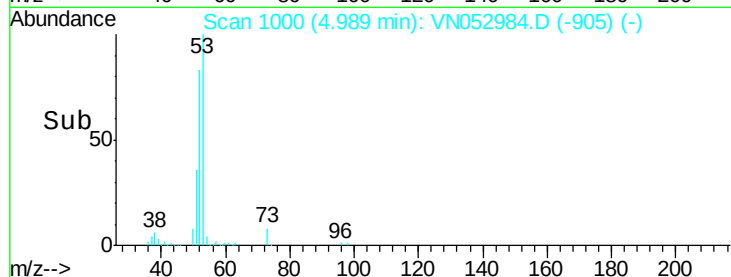
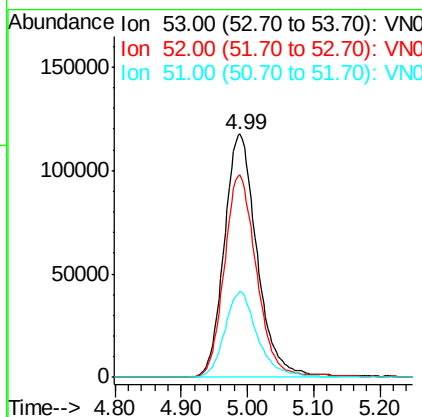
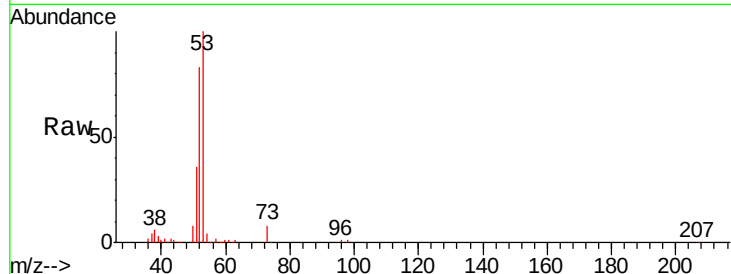
ClientSampleId :

VN1218MBS02

Tgt Ion:	53	Resp:	404380
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.1	97.7
51	35.3	28.1	42.1

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#16

Acetone

Concen: 114.640 ug/l

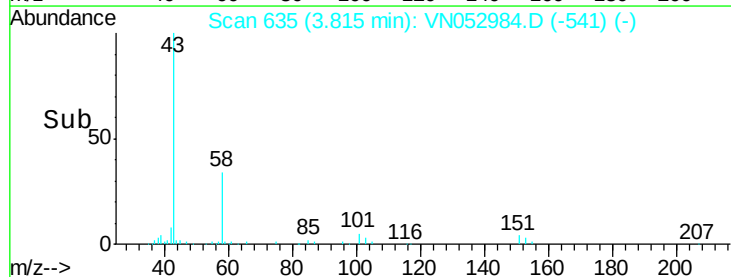
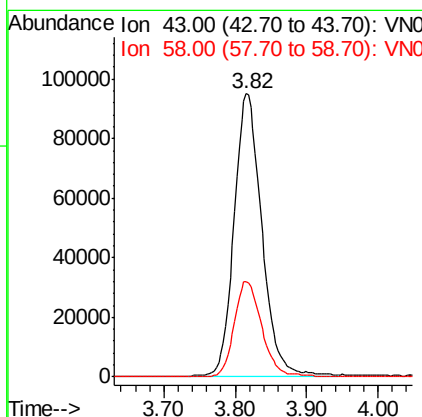
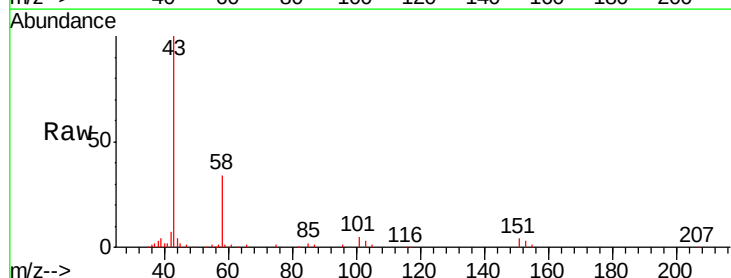
RT: 3.82 min Scan# 635

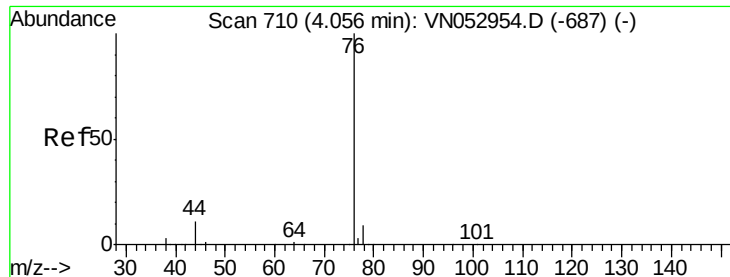
Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Tgt Ion:	43	Resp:	256721
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.0





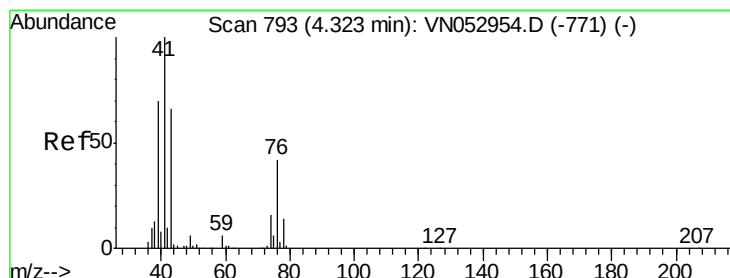
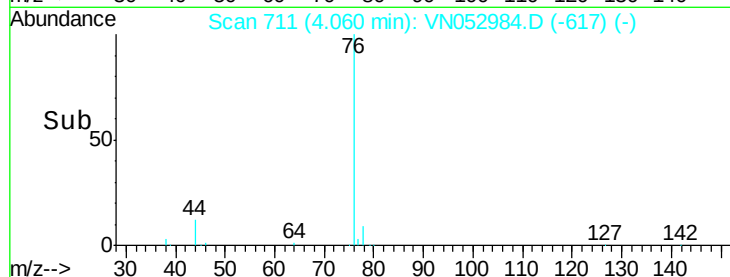
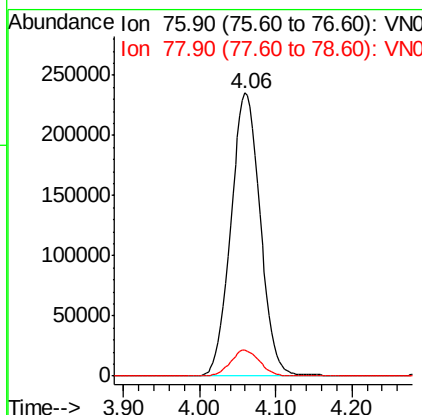
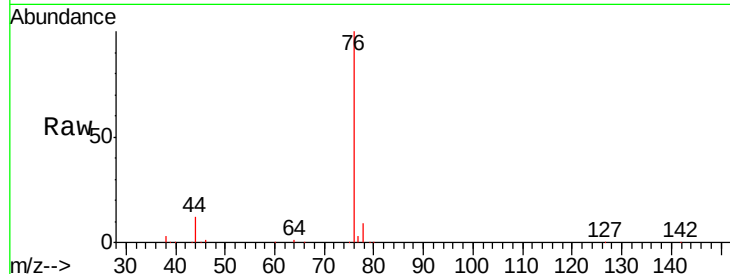
#17
Carbon Disulfide
Concen: 18.073 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion: 76 Resp: 632259
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

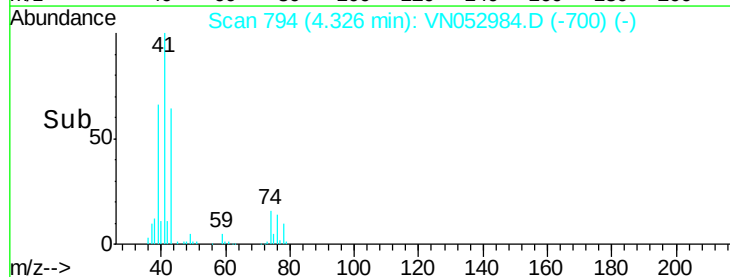
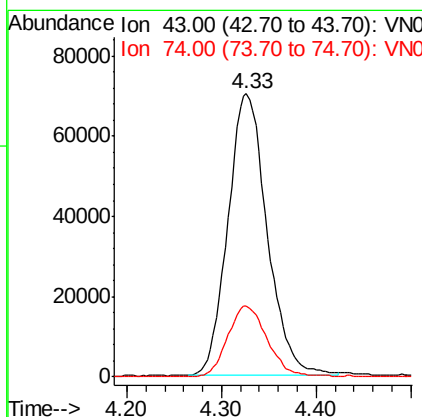
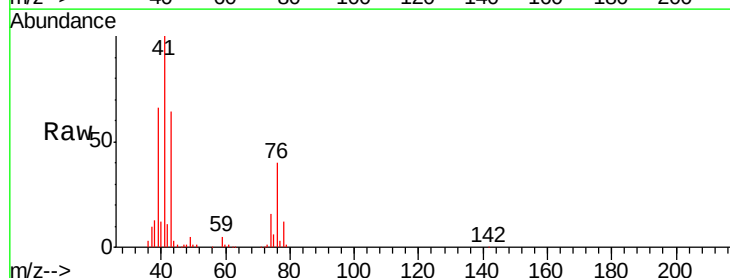
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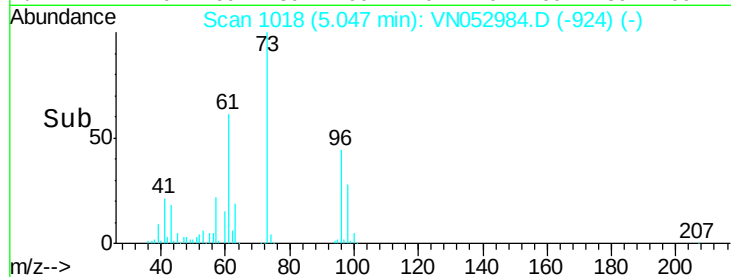
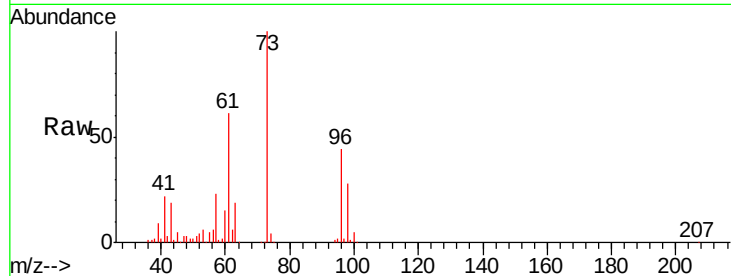
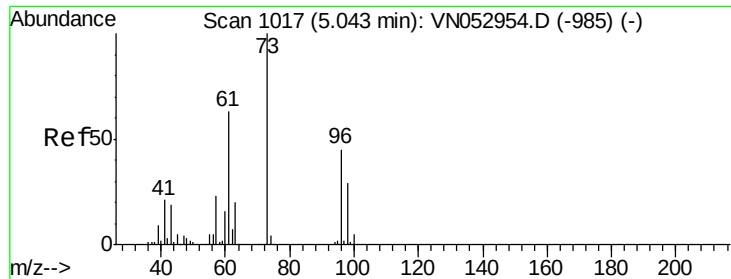
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#18
Methyl Acetate
Concen: 20.540 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 43 Resp: 202706
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8





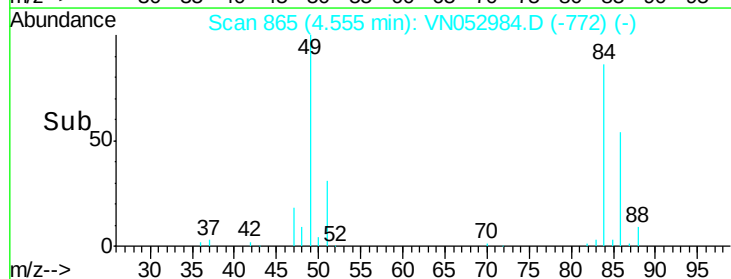
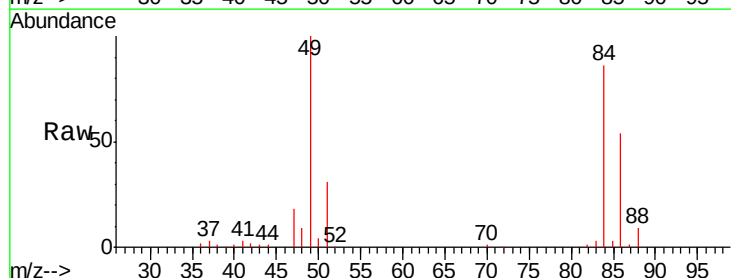
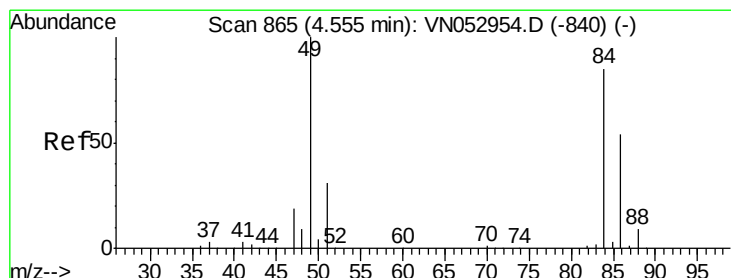
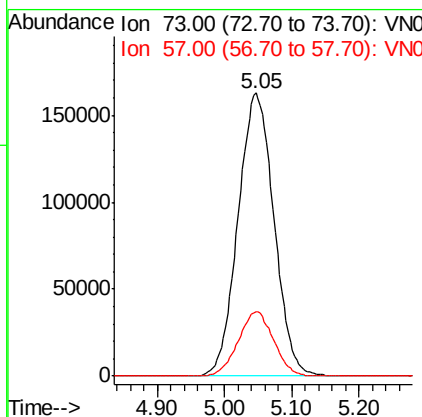
#19
Methyl tert-butyl Ether
Concen: 21.064 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 73 Resp: 604674
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

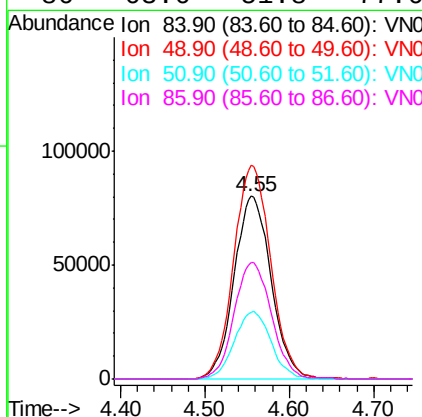
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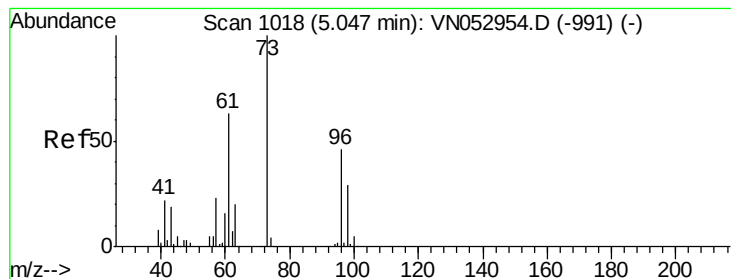
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#20
Methylene Chloride
Concen: 20.109 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 84 Resp: 245637
Ion Ratio Lower Upper
84 100
49 116.8 96.8 145.2
51 36.7 29.9 44.9
86 63.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.786 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

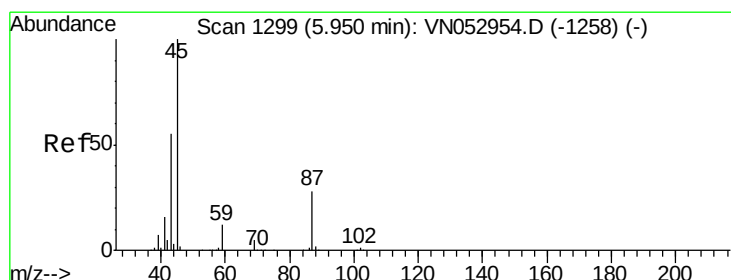
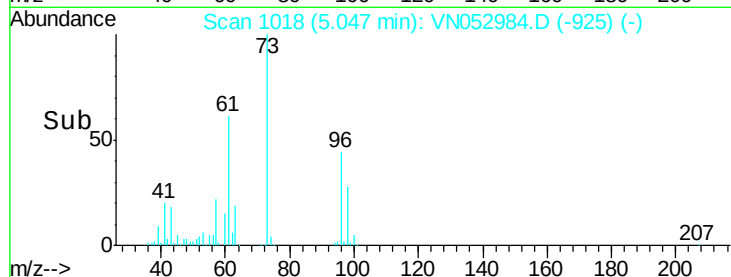
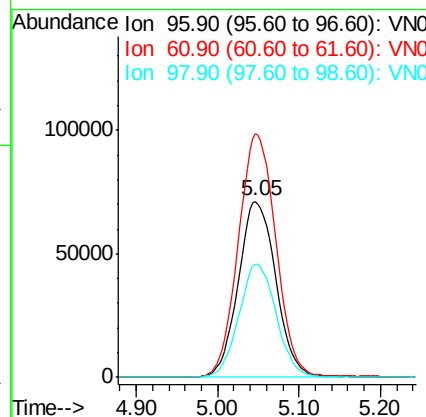
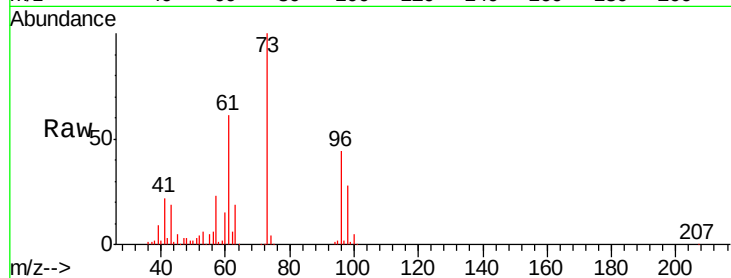
ClientSampleId :

VN1218MBS02

Tgt Ion:	96	Resp:	228045
Ion	Ratio	Lower	Upper
96	100		
61	138.2	110.8	166.2
98	64.5	51.4	77.2

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#22

Diisopropyl ether

Concen: 21.007 ug/l

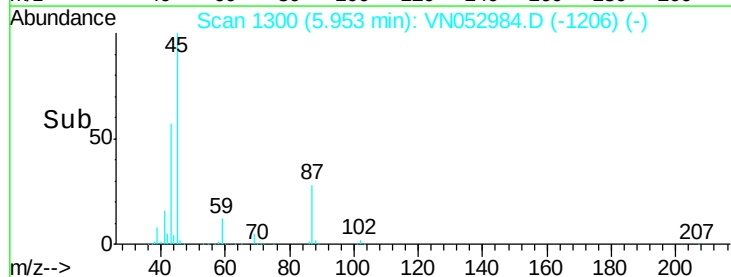
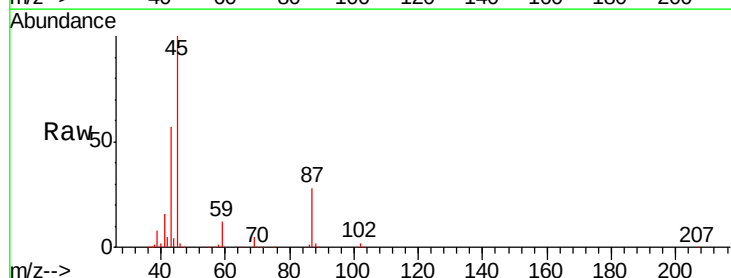
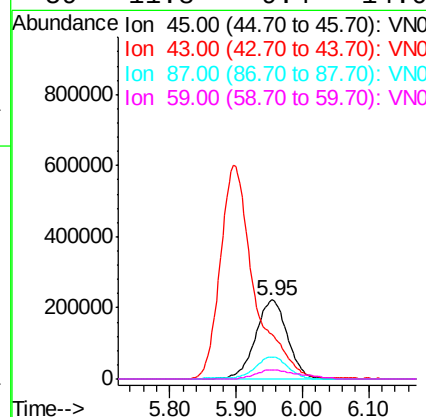
RT: 5.95 min Scan# 1300

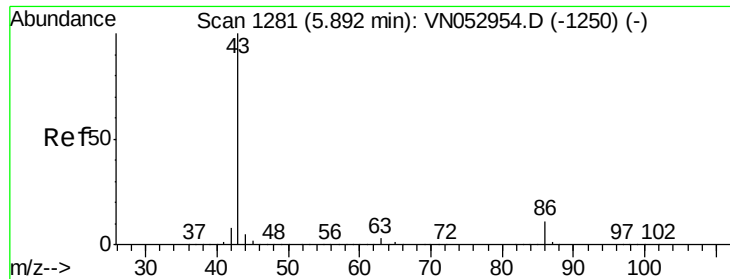
Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Tgt Ion:	45	Resp:	745066
Ion	Ratio	Lower	Upper
45	100		
43	55.6	45.5	68.3
87	28.3	22.0	33.0
59	11.8	9.4	14.0





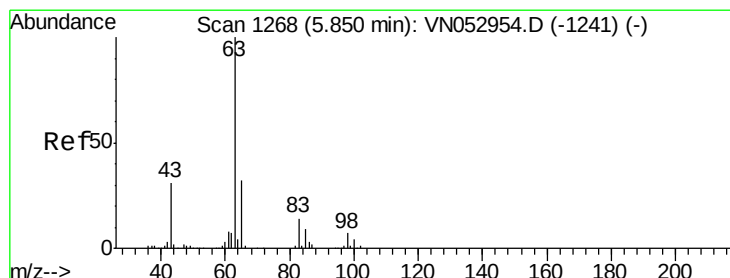
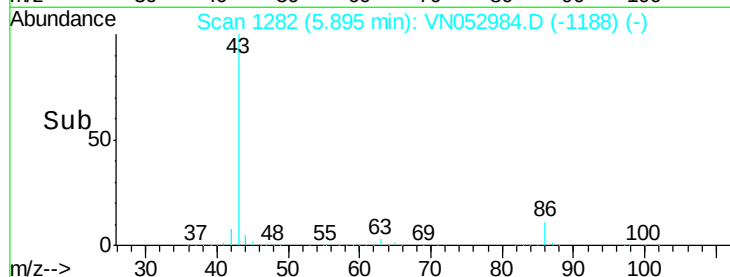
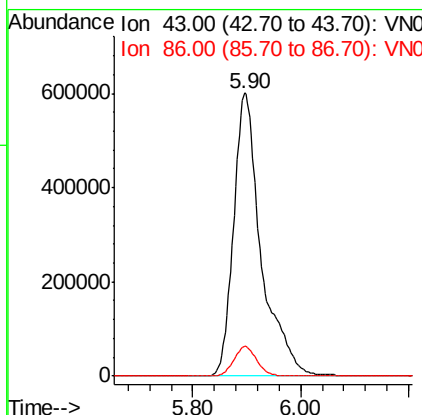
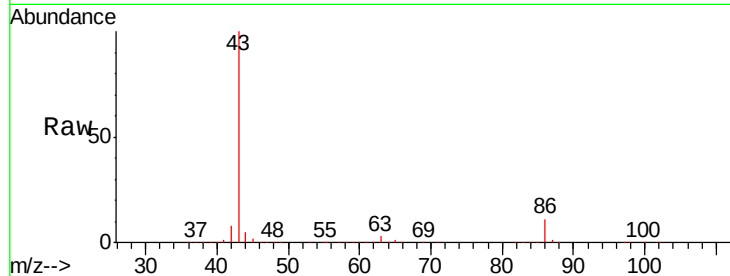
#23
 Vinyl Acetate
 Concen: 104.933 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion: 43 Resp: 2140064
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1

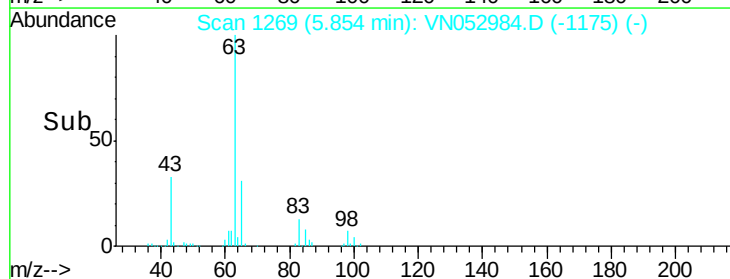
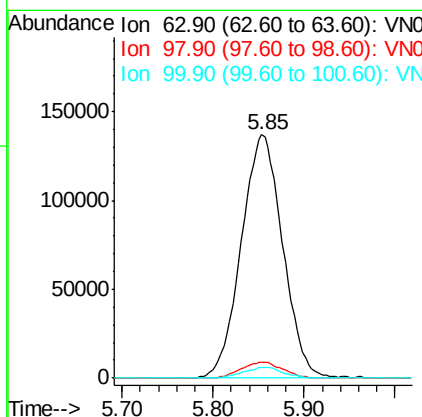
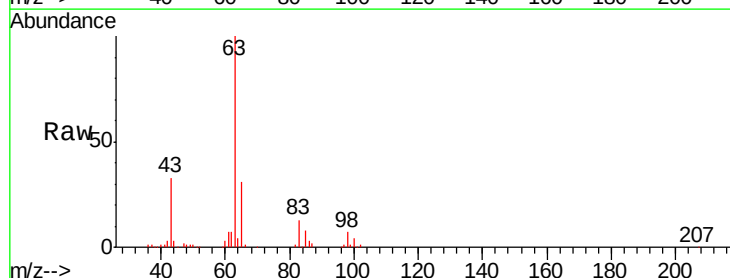
Manual Integrations
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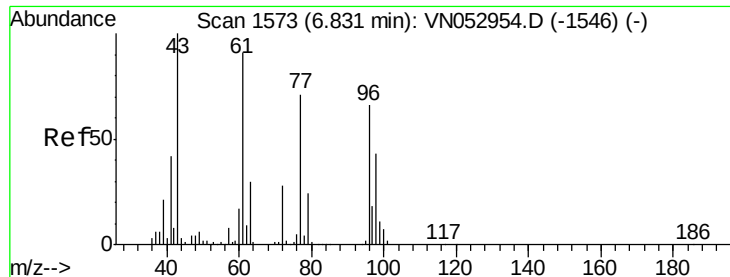
MMDadoda
 12/19/2018 12:08:08 PM



#24
 1,1-Dichloroethane
 Concen: 20.524 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion: 63 Resp: 432554
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.5 2.0 5.8





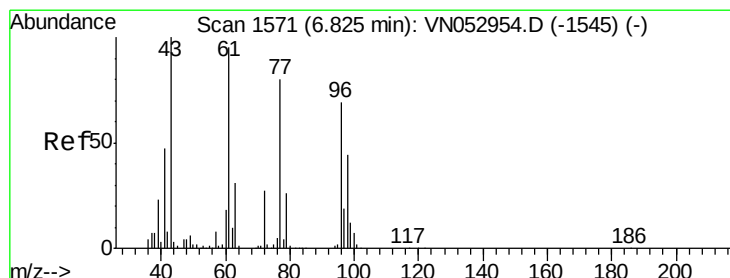
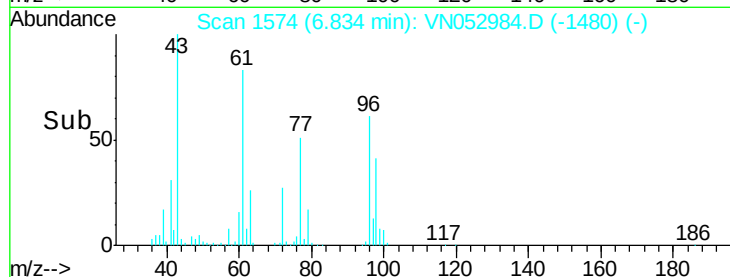
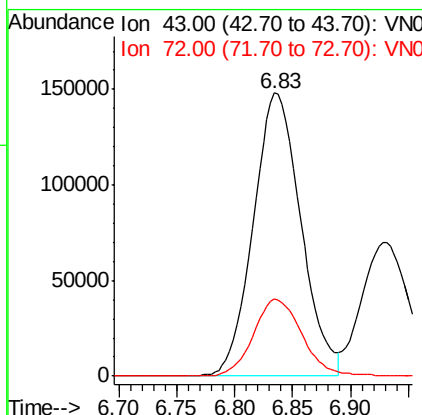
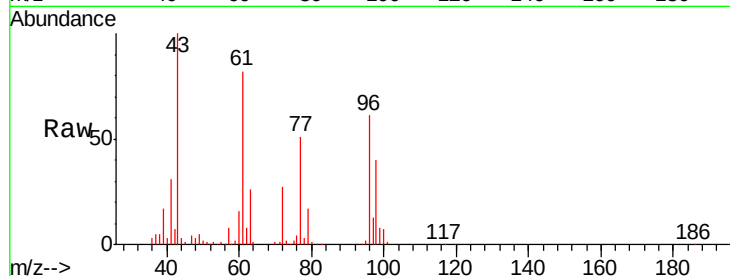
#25
2-Butanone
Concen: 112.189 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion: 43 Resp: 421630
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6

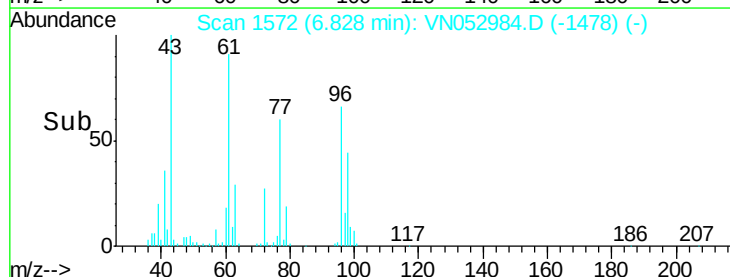
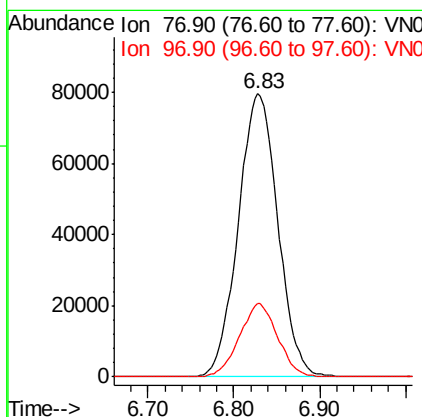
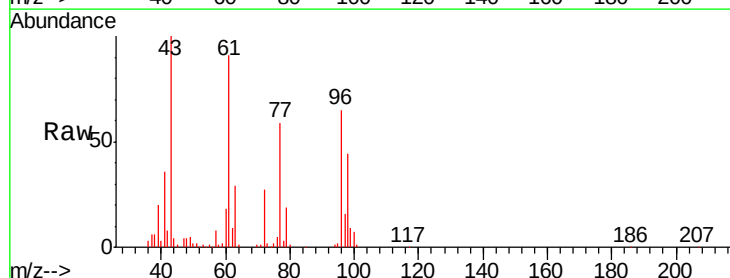
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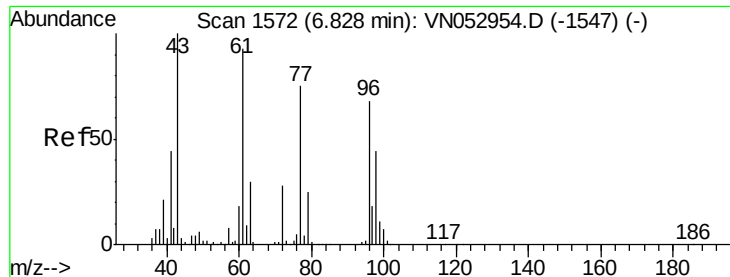
MMDadoda
12/19/2018 12:08:08 PM



#26
2,2-Dichloropropane
Concen: 15.811 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 77 Resp: 254370
Ion Ratio Lower Upper
77 100
97 25.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.332 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

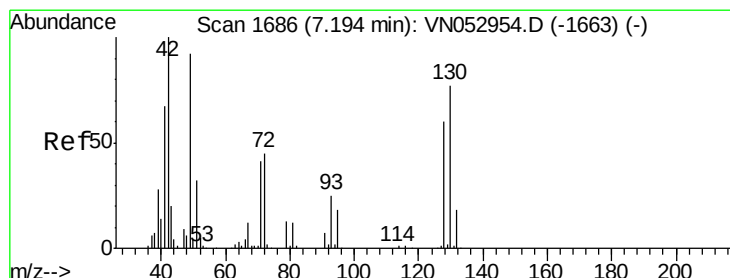
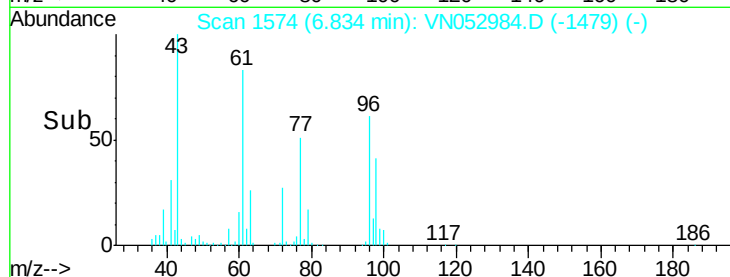
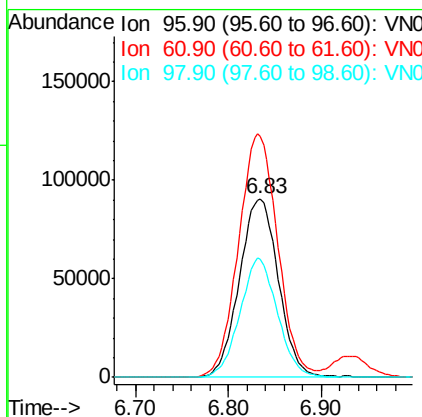
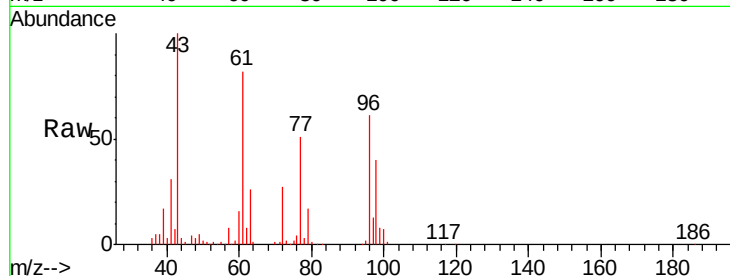
ClientSampleId :

VN1218MBS02

Tgt Ion:	96	Resp:	265298
Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	284.2
98	64.0	0.0	129.2

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#28

Bromochloromethane

Concen: 20.274 ug/l

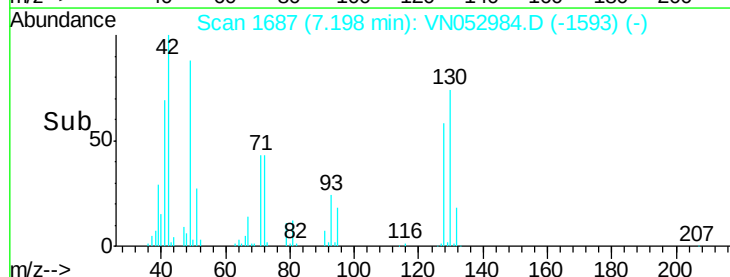
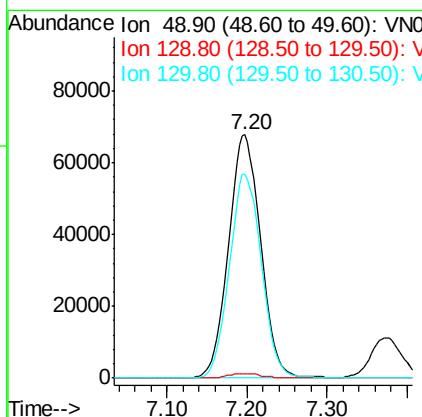
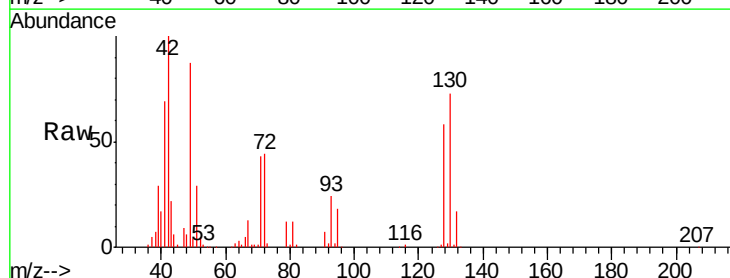
RT: 7.20 min Scan# 1687

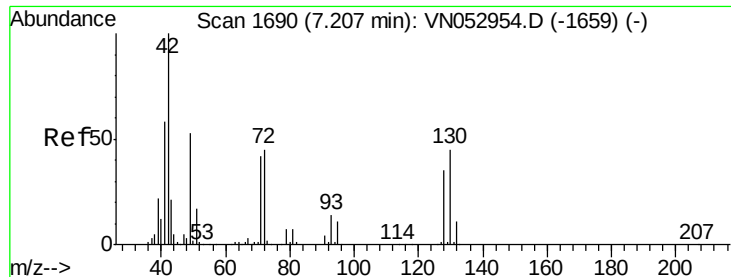
Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Tgt Ion:	49	Resp:	185153
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.4	63.3	94.9





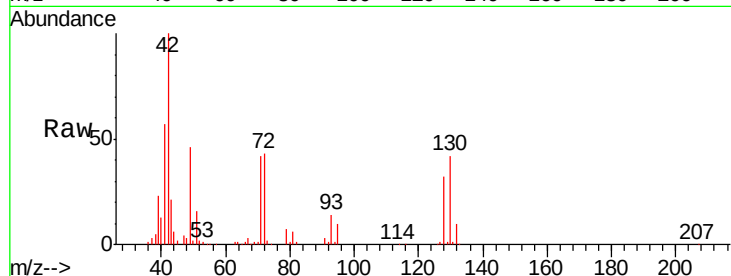
#29
Tetrahydrofuran
Concen: 110.440 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

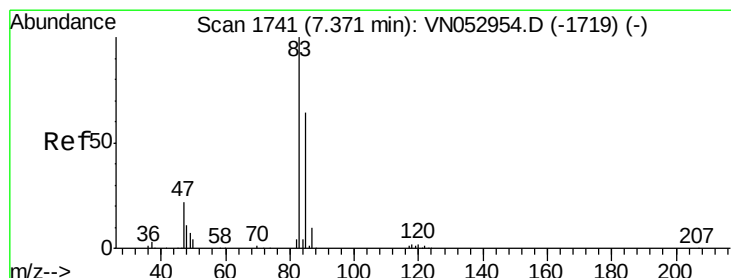
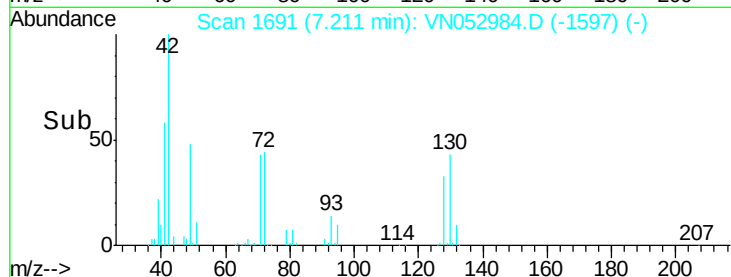
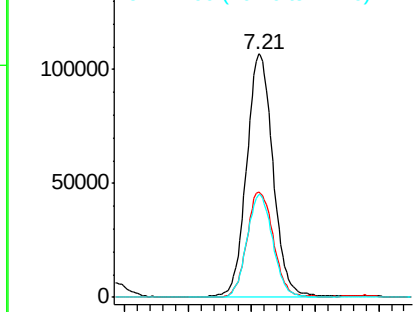
Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.7	52.1
71	41.0	32.3	48.5

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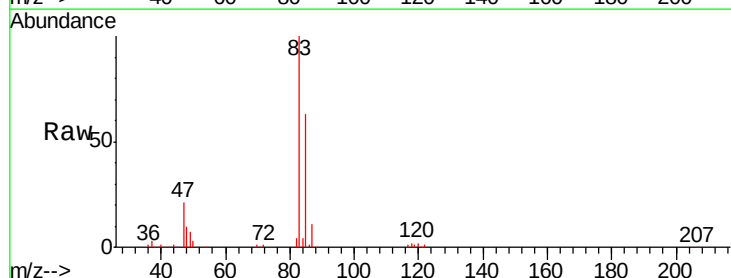


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

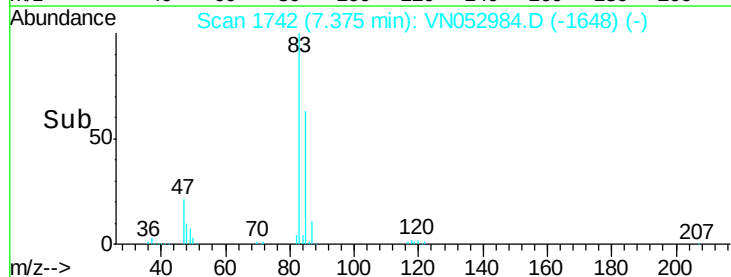
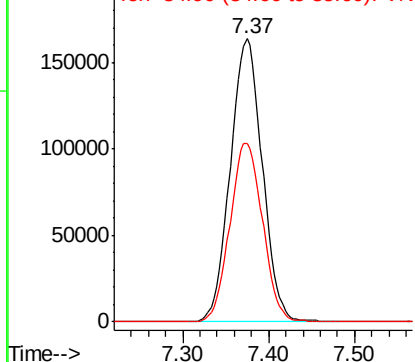


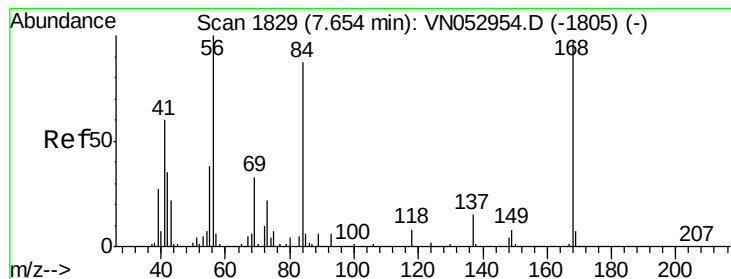
#30
Chloroform
Concen: 20.469 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1



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





#31

Cyclohexane

Concen: 20.150 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 56 Resp: 410688
Ion Ratio Lower Upper

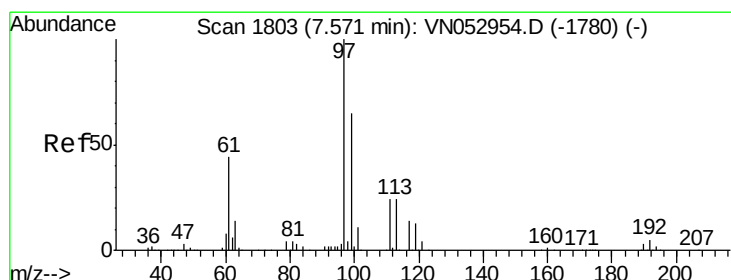
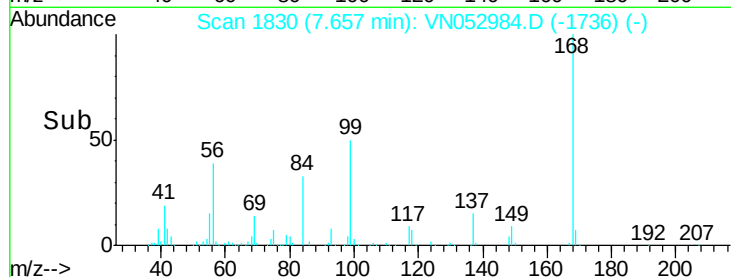
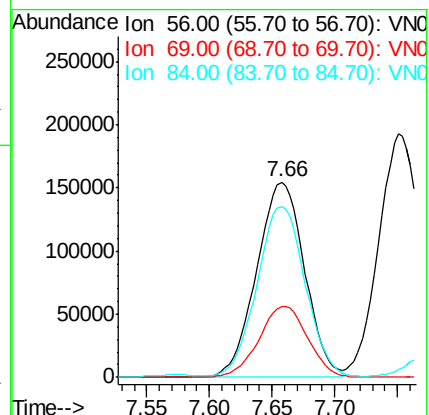
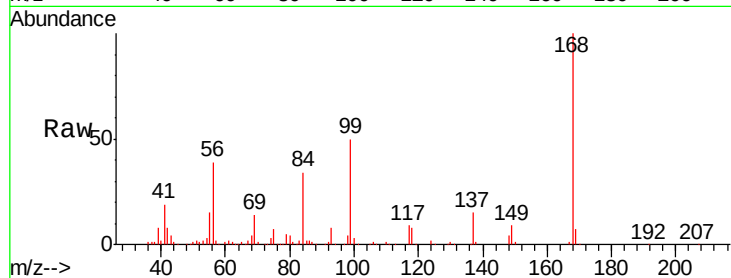
56 100

69 36.0 26.6 39.8

84 86.6 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 19.940 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052984.D

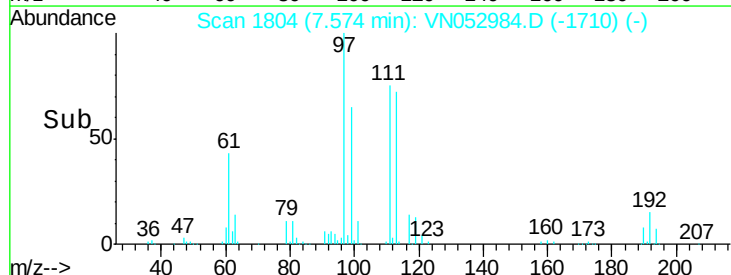
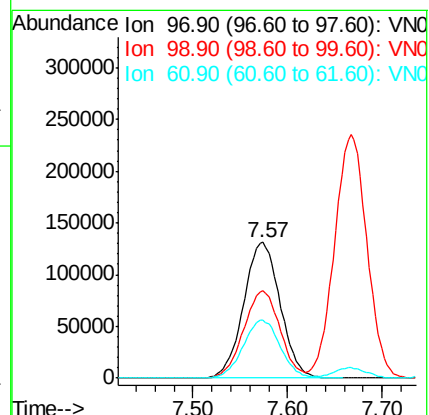
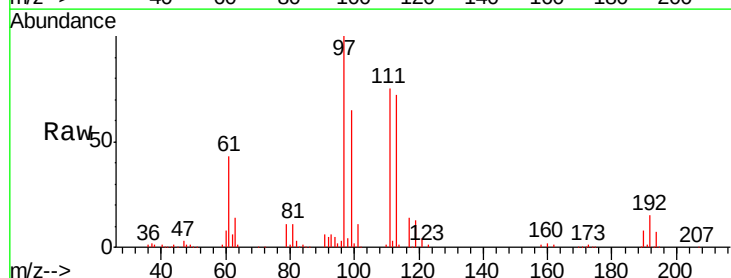
Acq: 19 Dec 2018 2:25

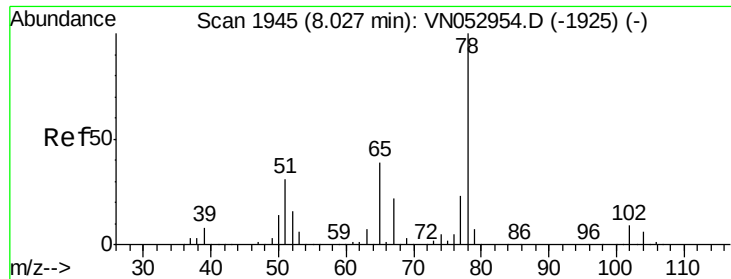
Tgt Ion: 97 Resp: 351681
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 43.3 35.0 52.6





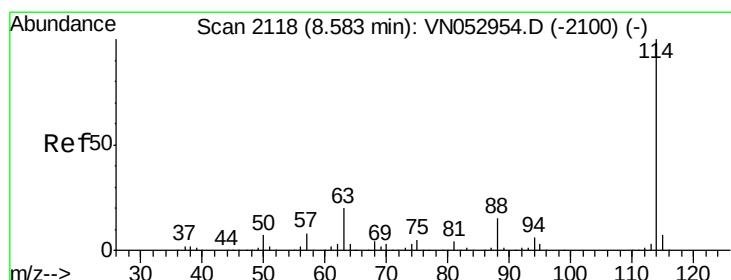
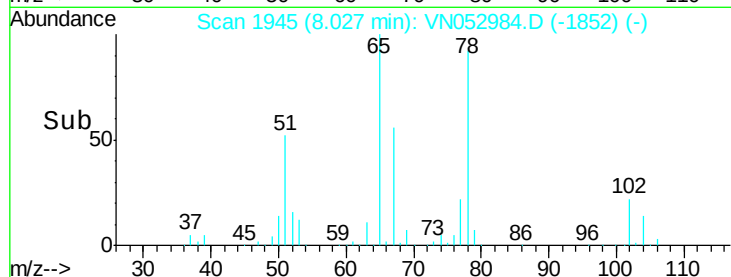
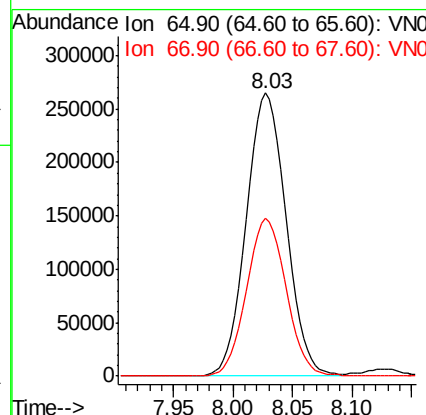
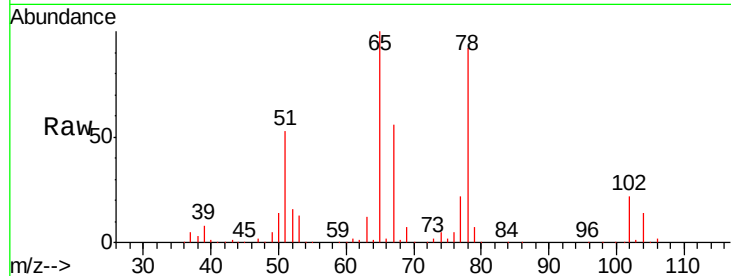
#33
 1,2-Dichloroethane-d4
 Concen: 19.940 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion: 65 Resp: 615768
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4

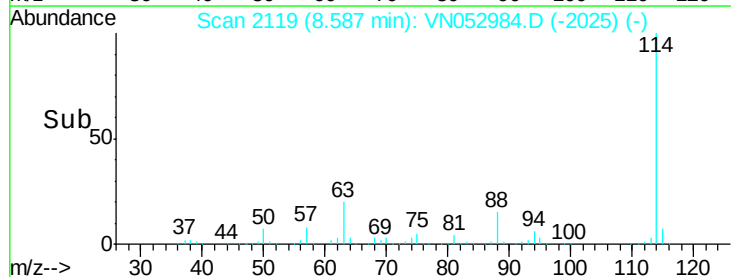
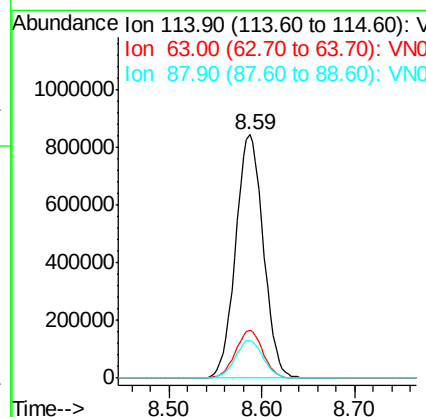
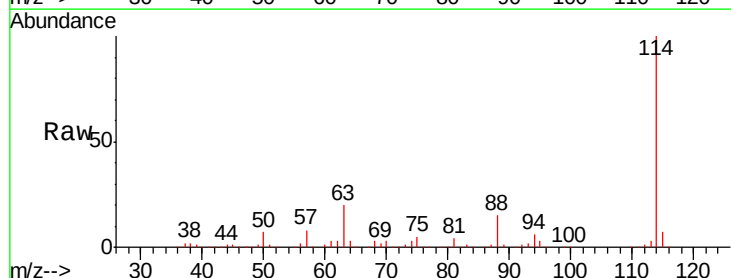
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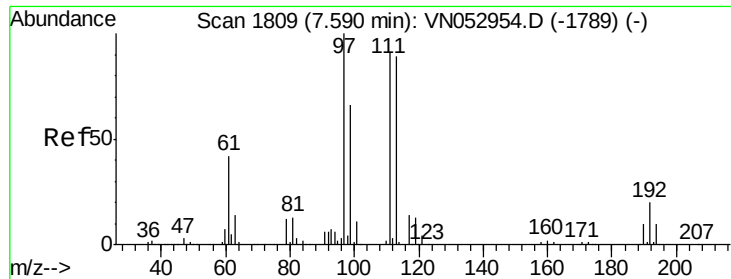
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion: 114 Resp: 1745141
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.0





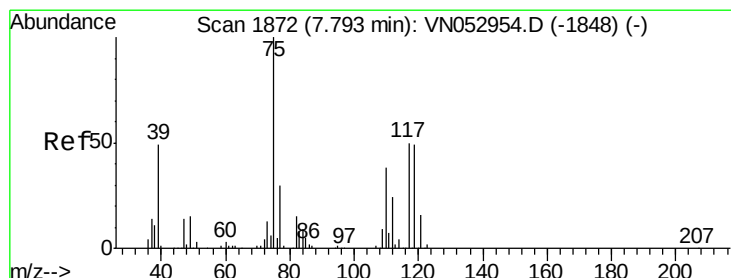
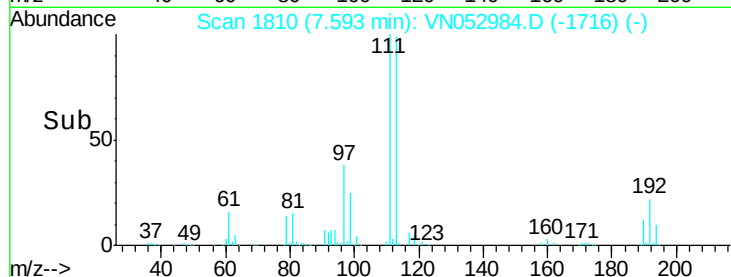
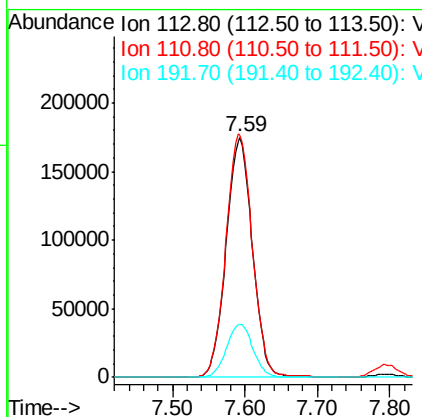
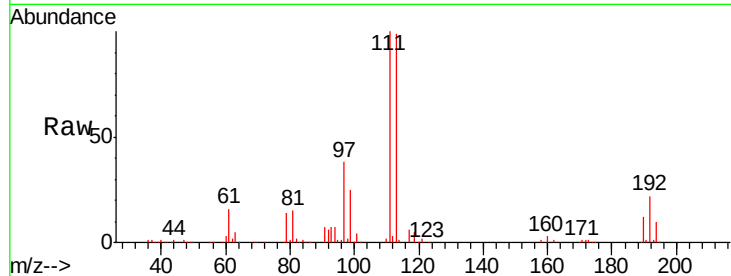
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	440804		
111	102.1	83.0	124.4	
192	22.2	17.5	26.3	

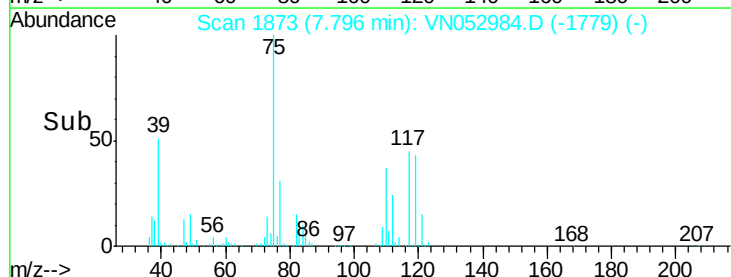
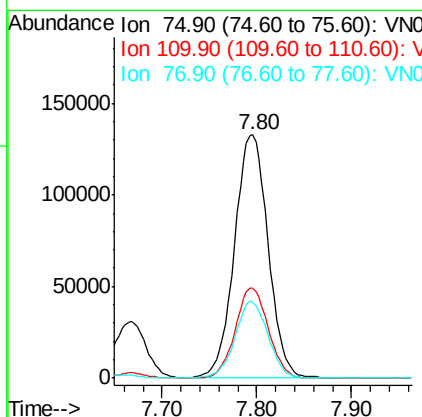
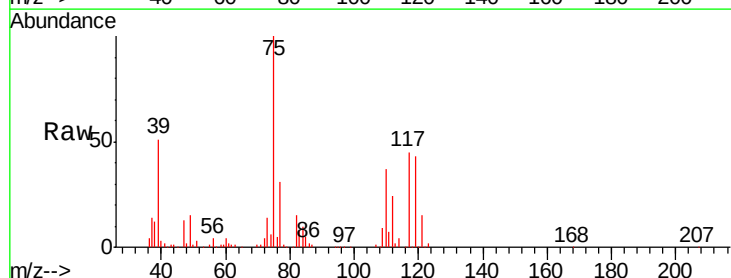
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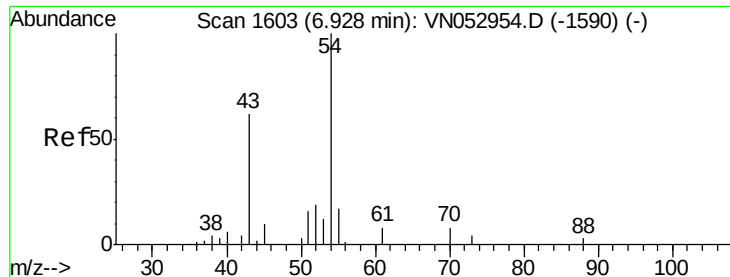
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#36
 1,1-Dichloropropene
 Concen: 19.519 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	326956		
110	36.5	18.2	54.6	
77	31.2	24.9	37.3	





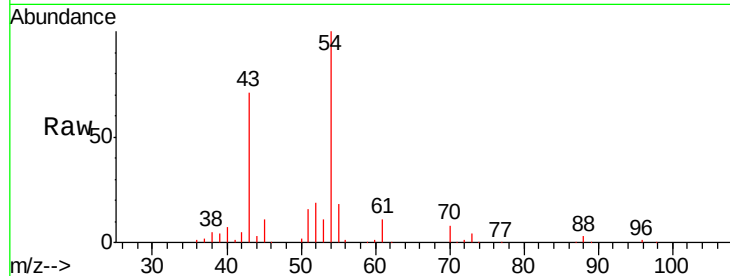
#37
Ethyl Acetate
Concen: 21.818 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

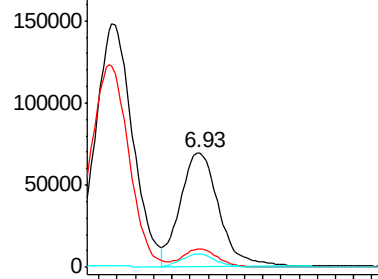
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.6
70	10.2	8.4	12.6

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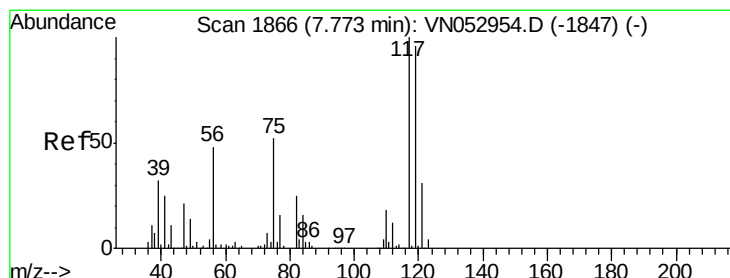
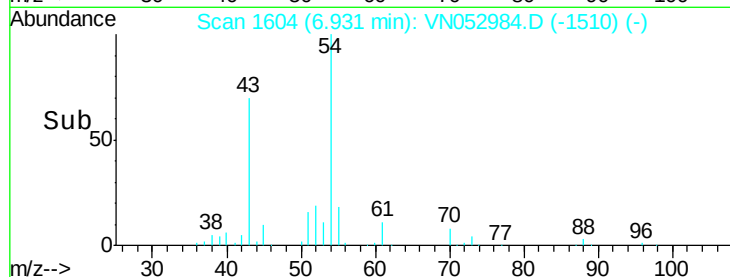
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Abundance Ion 43.00 (42.70 to 43.70): VN052984.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN052984.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN052984.D (-1510) (-)

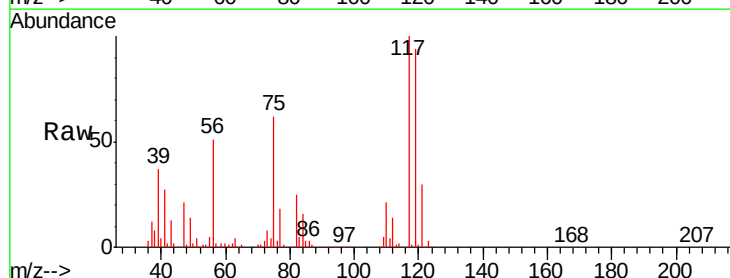


Time-->

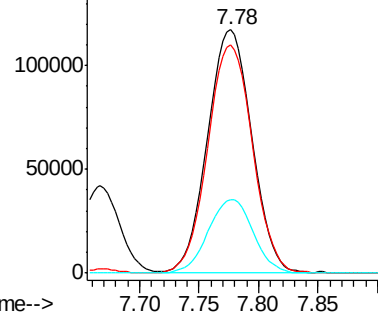


#38
Carbon Tetrachloride
Concen: 19.552 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

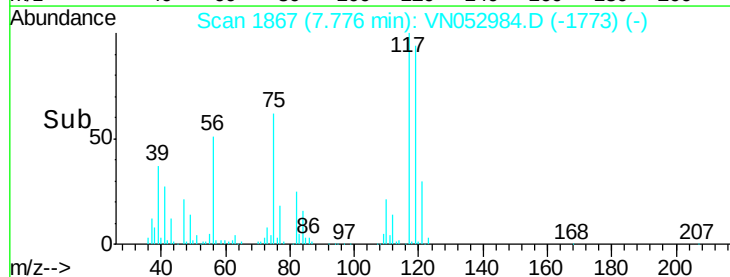
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.1	115.7
121	30.4	24.9	37.3

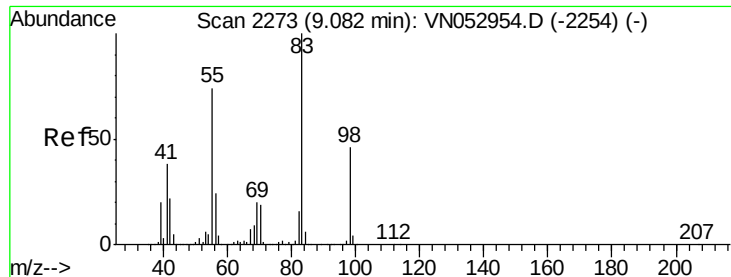


Abundance Ion 116.80 (116.50 to 117.50): VN052984.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN052984.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN052984.D (-1773) (-)



Time-->





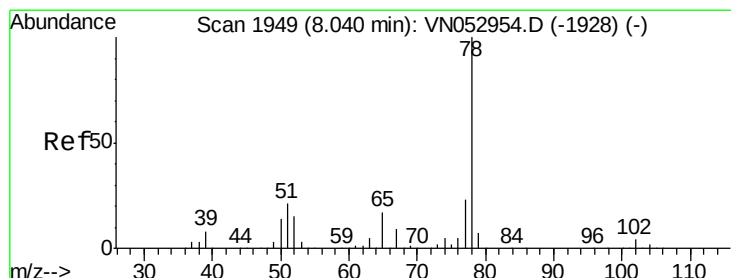
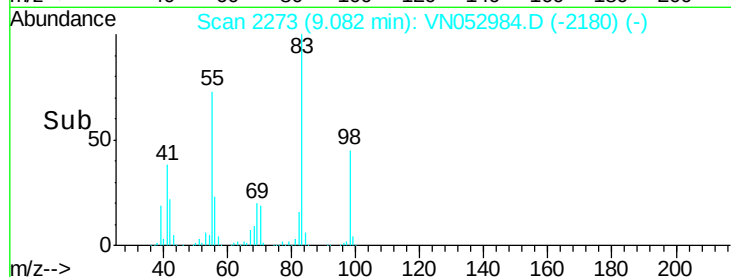
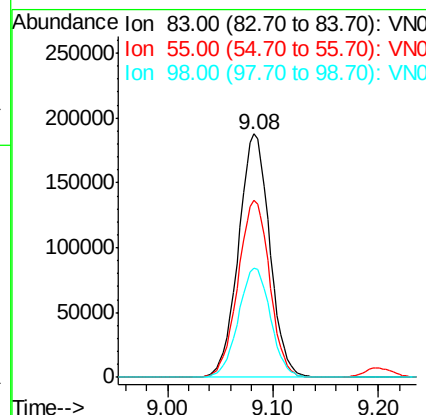
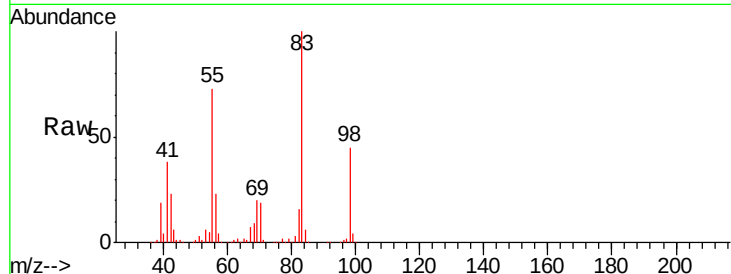
#39
Methylcyclohexane
Concen: 18.918 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.7	61.3	91.9
98	45.0	37.0	55.4

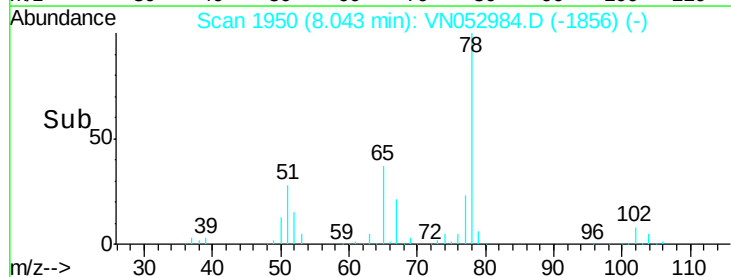
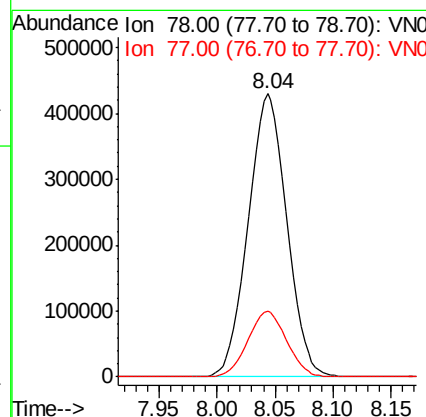
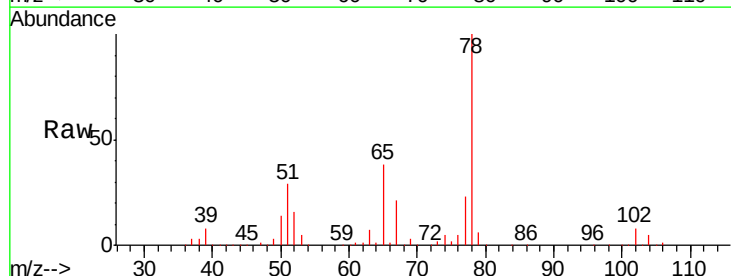
Manual Integrations
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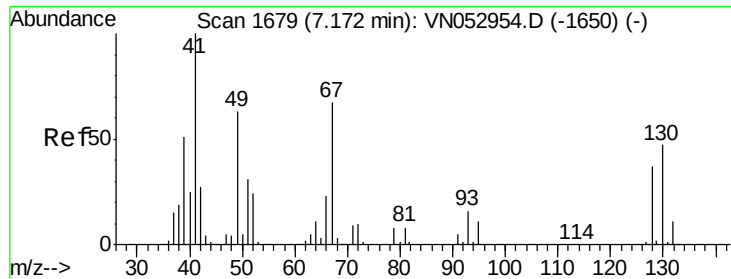
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#40
Benzene
Concen: 19.997 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





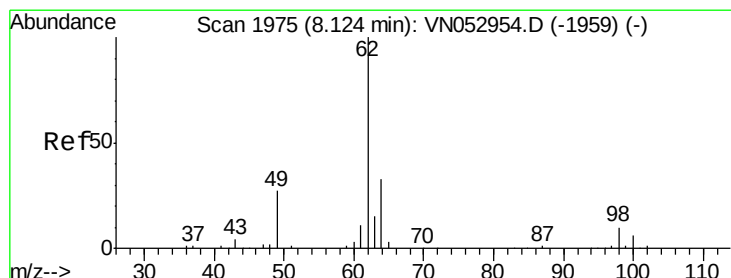
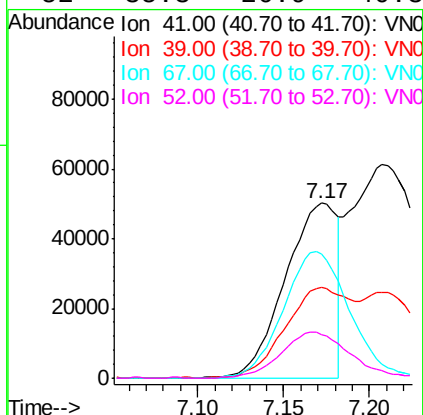
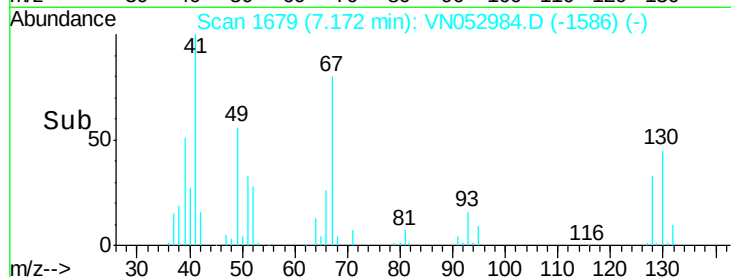
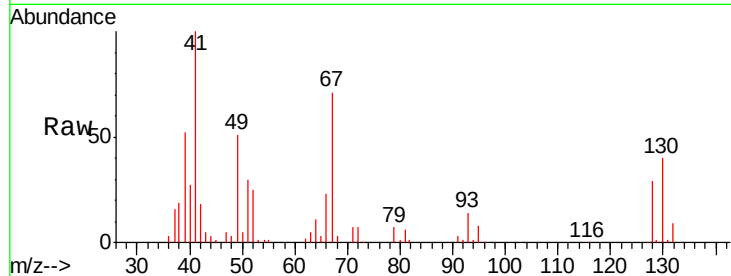
#41
Methacrylonitrile
Concen: 19.554 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.2	48.0	72.0
67	92.4	70.3	105.5
52	35.3	26.9	40.3

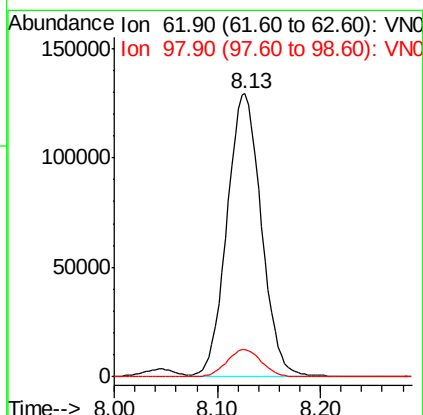
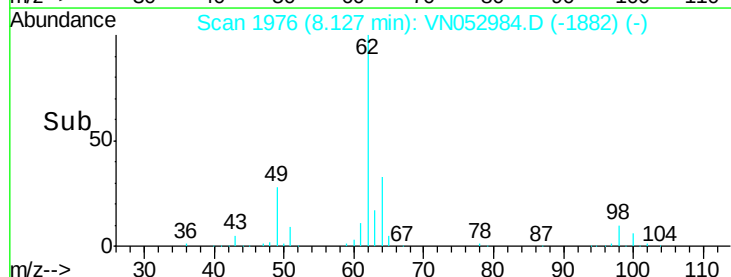
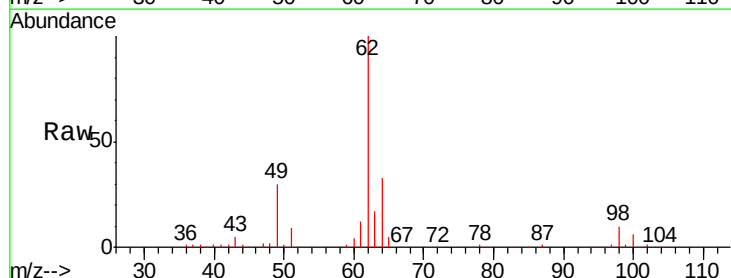
Manual Integrations
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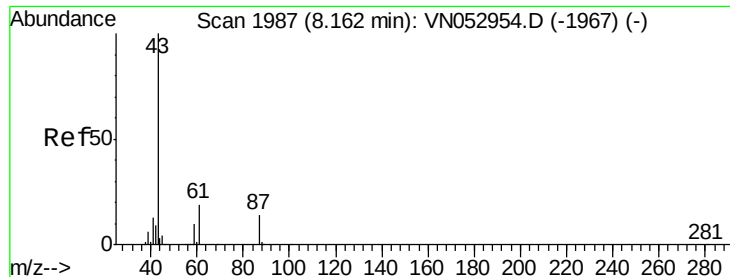
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#42
1,2-Dichloroethane
Concen: 20.288 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.816 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

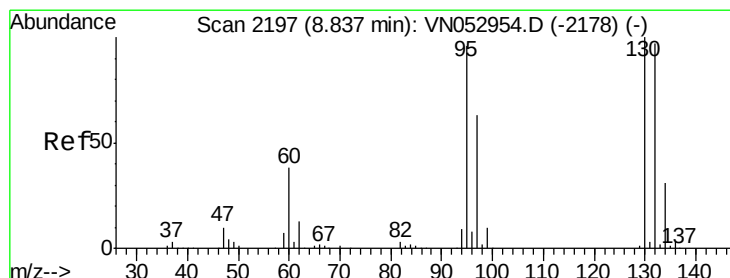
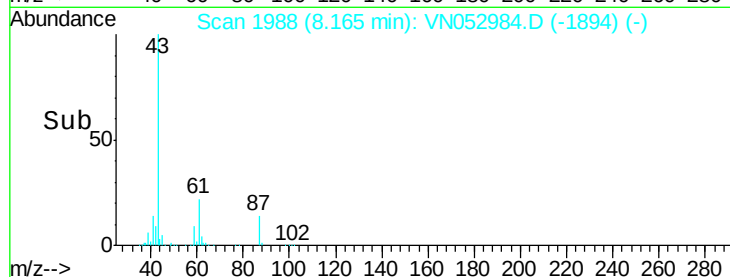
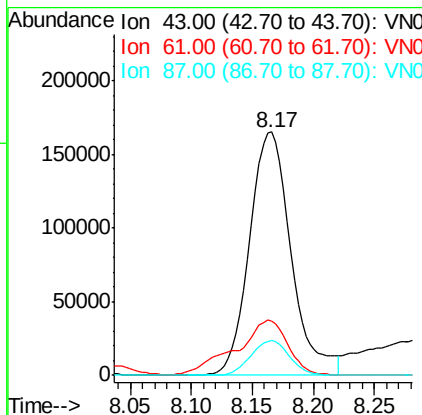
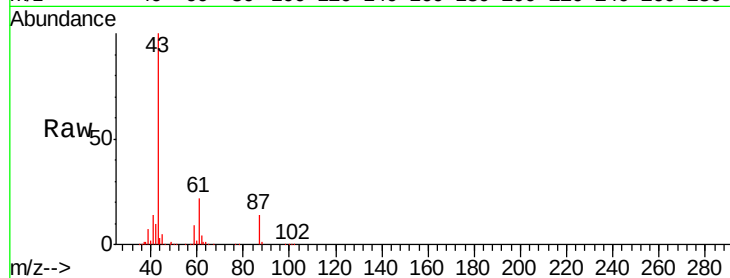
ClientSampleId :

VN1218MBS02

Tgt Ion:	43	Resp:	387716
Ion Ratio		Lower	Upper
43	100		
61	28.3	22.9	34.3
87	13.4	10.6	15.8

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#44

Trichloroethene

Concen: 19.513 ug/l

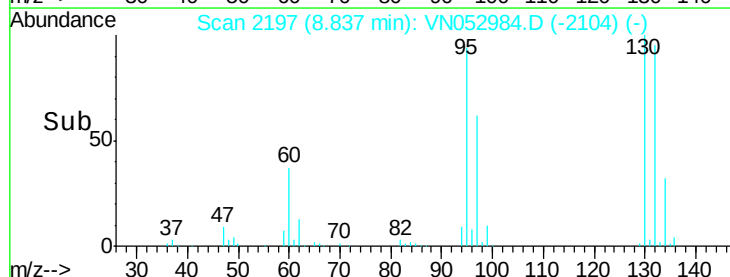
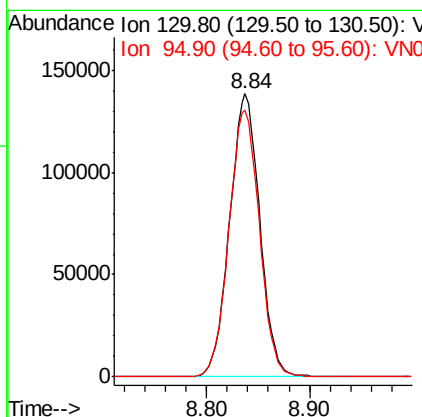
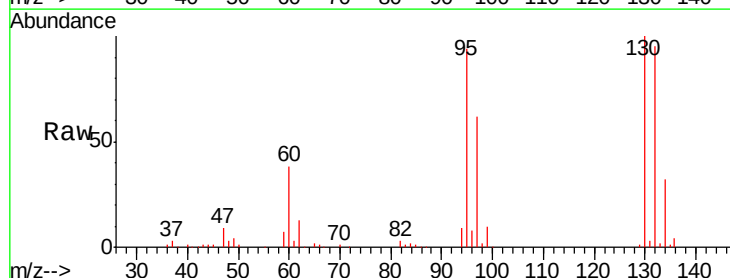
RT: 8.84 min Scan# 2197

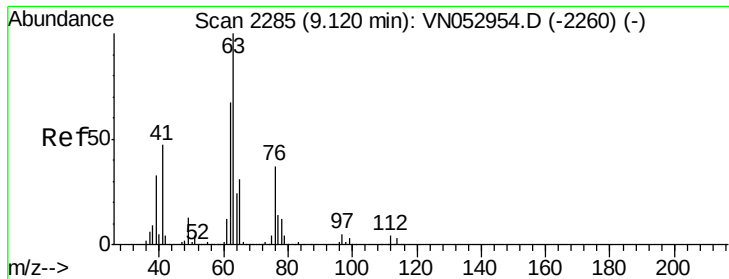
Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Tgt Ion:	130	Resp:	281197
Ion Ratio		Lower	Upper
130	100		
95	94.1	0.0	197.8





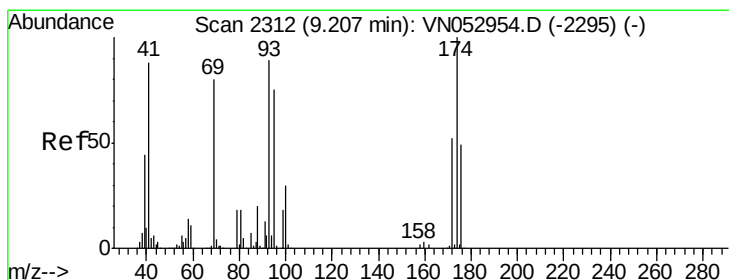
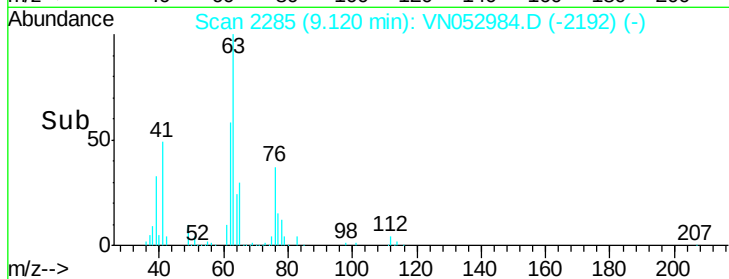
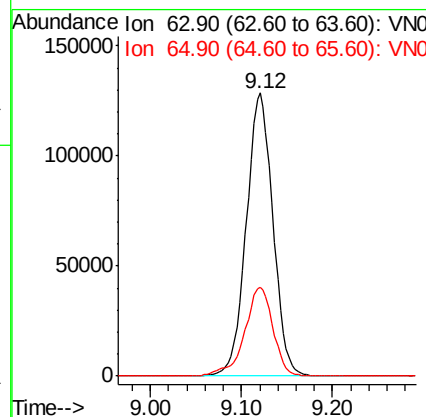
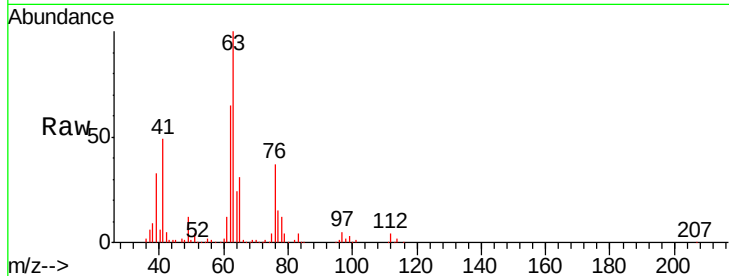
#45
 1,2-Dichloropropane
 Concen: 20.166 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	37.0

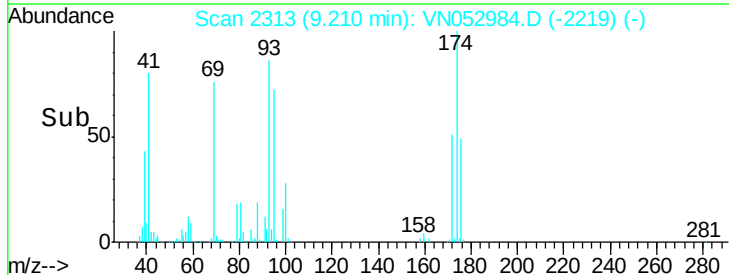
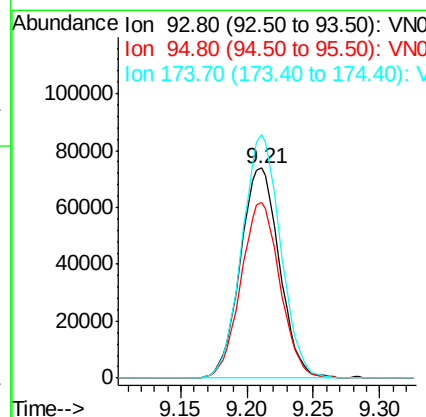
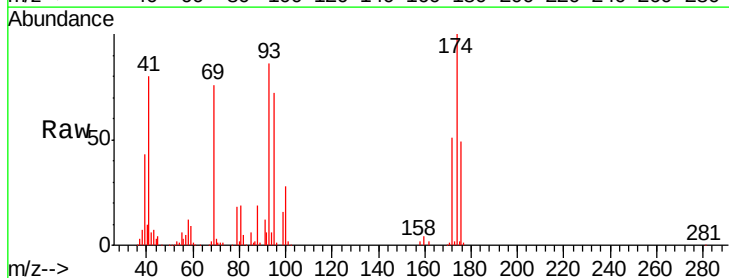
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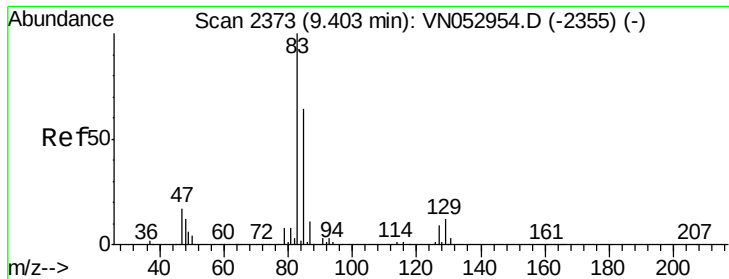
MMDadoda
 12/19/2018 12:08:08 PM



#46
 Dibromomethane
 Concen: 20.076 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.8	101.6
174	114.0	89.0	133.4





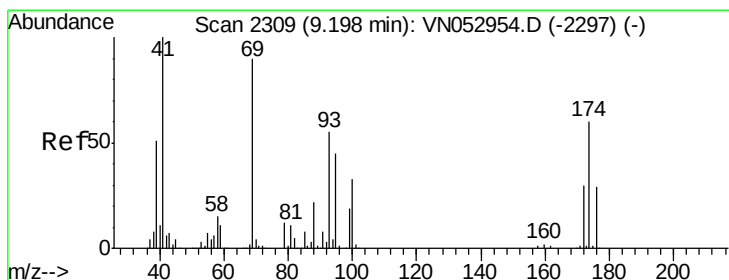
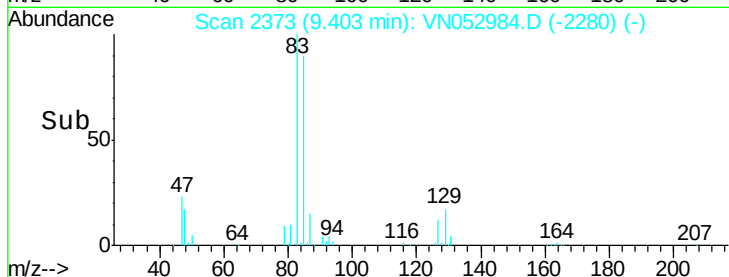
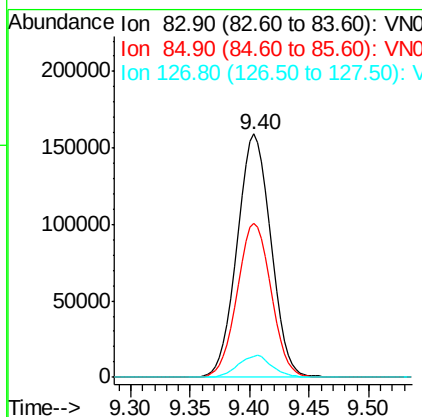
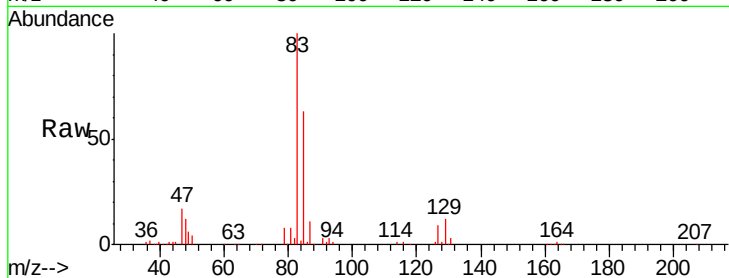
#47
Bromodichloromethane
Concen: 19.551 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4
127	8.7	7.1	10.7

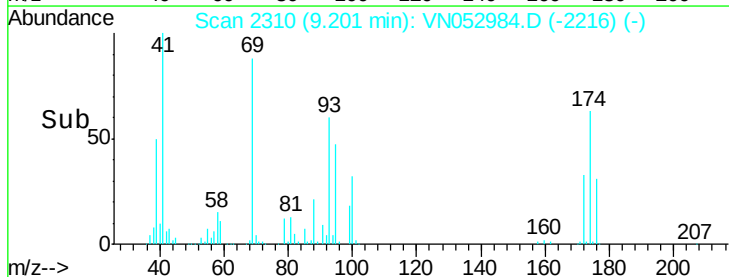
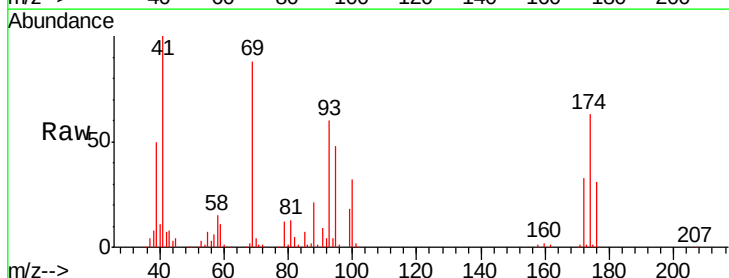
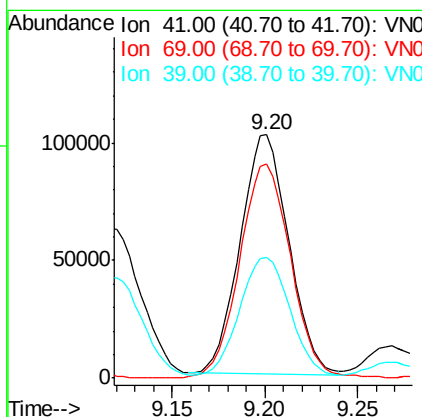
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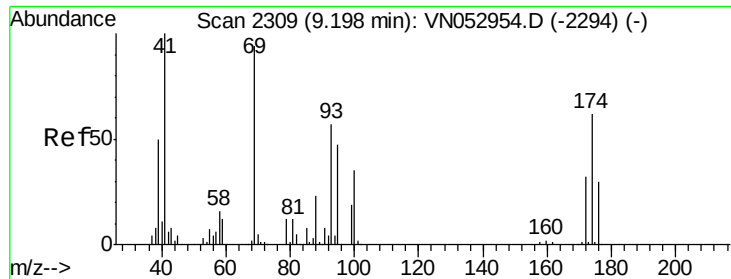
MMDadoda
12/19/2018 12:08:08 PM



#48
Methyl methacrylate
Concen: 20.434 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.1	72.2	108.2
39	53.3	41.9	62.9





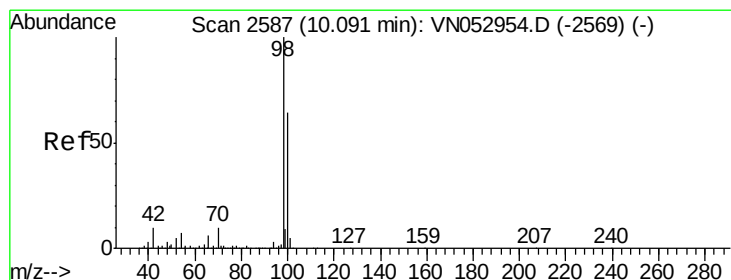
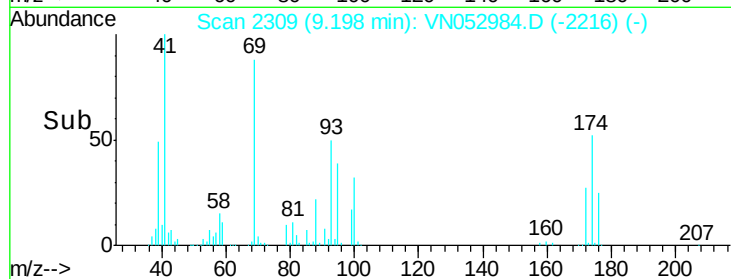
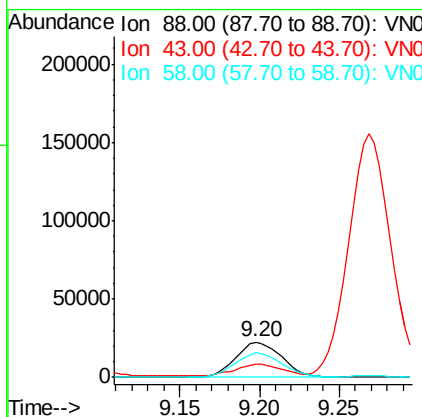
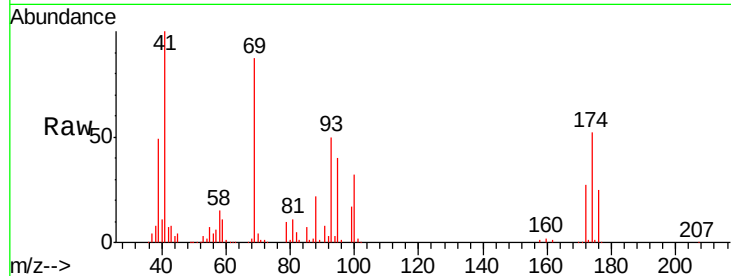
#49
1,4-Dioxane
Concen: 388.606 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.6	26.6	40.0
58	70.8	58.4	87.6

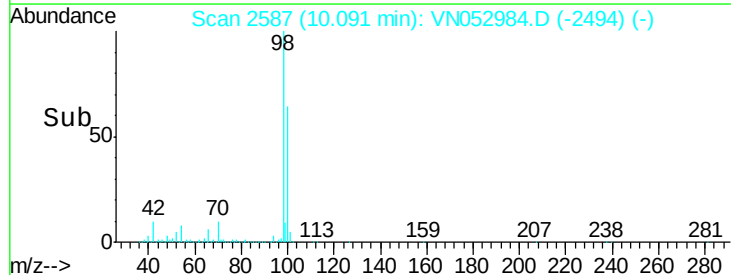
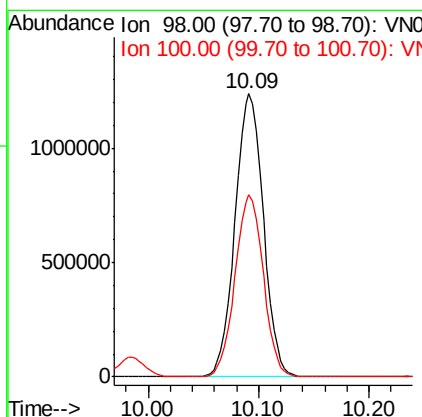
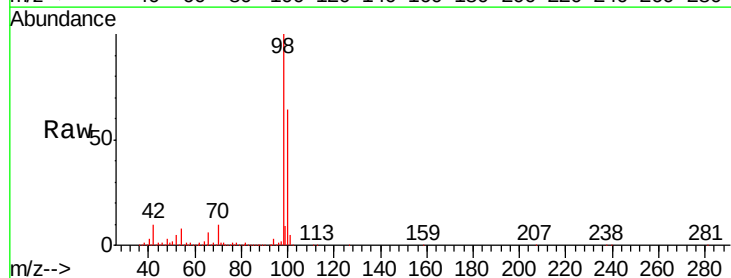
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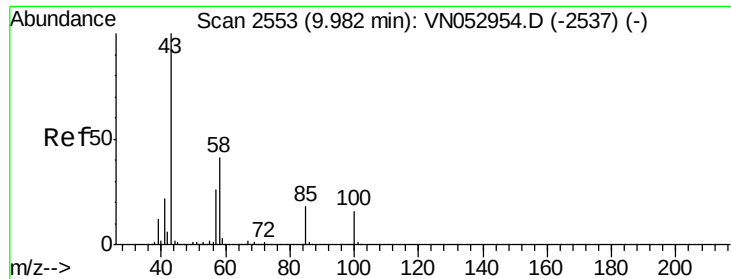
MMDadoda
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#50
Toluene-d8
Concen: 388.606 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 108.664 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 43 Resp: 984016

Ion Ratio Lower Upper

43 100

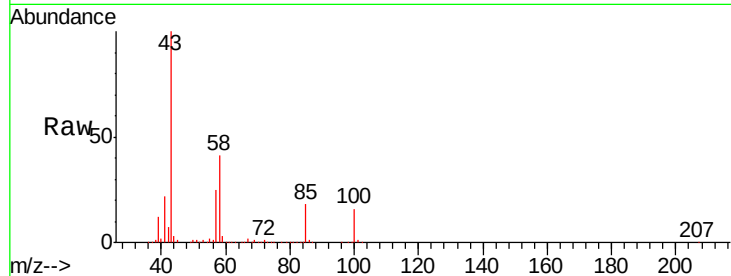
58 40.6 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

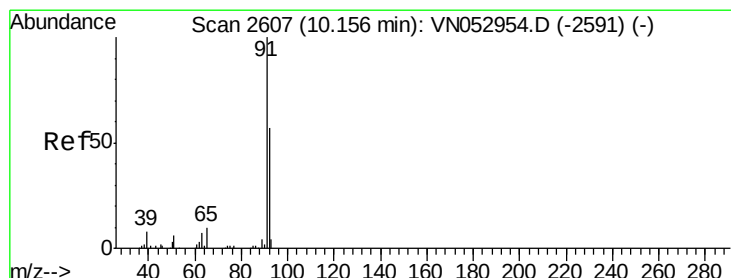
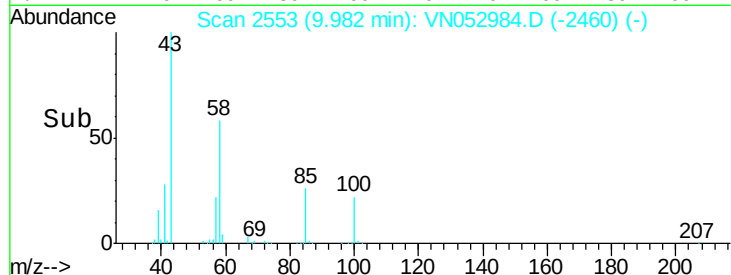
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.905 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052984.D

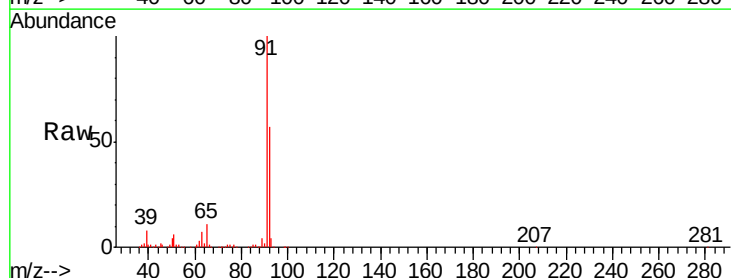
Acq: 19 Dec 2018 2:25

Tgt Ion: 92 Resp: 614696

Ion Ratio Lower Upper

92 100

91 174.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

400000

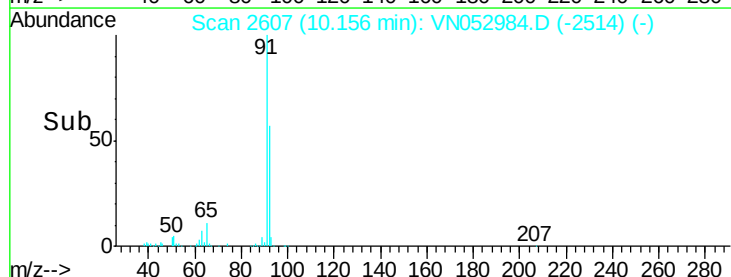
200000

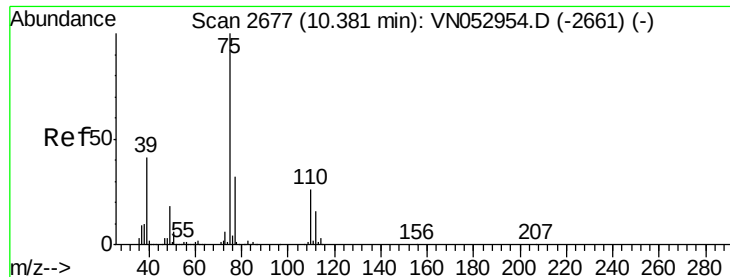
0

10.10

10.20

Time-->





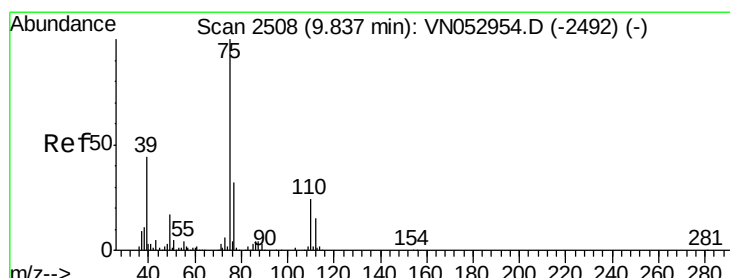
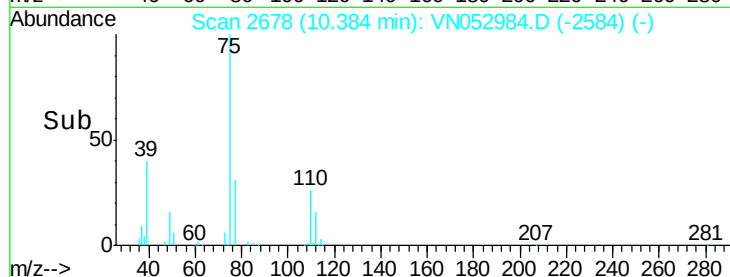
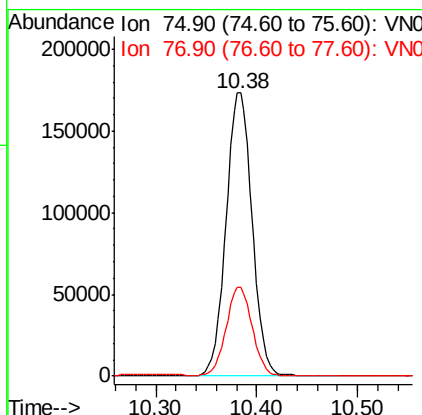
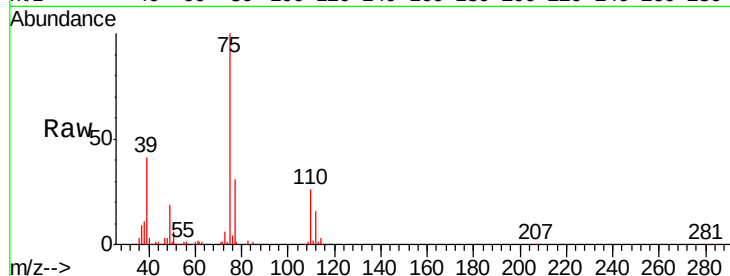
#53
t-1,3-Dichloropropene
Concen: 18.513 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion: 75 Resp: 312834
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4

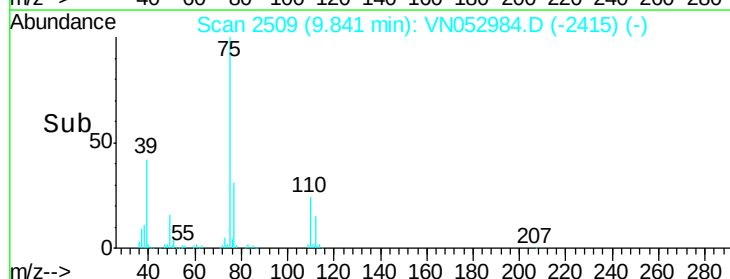
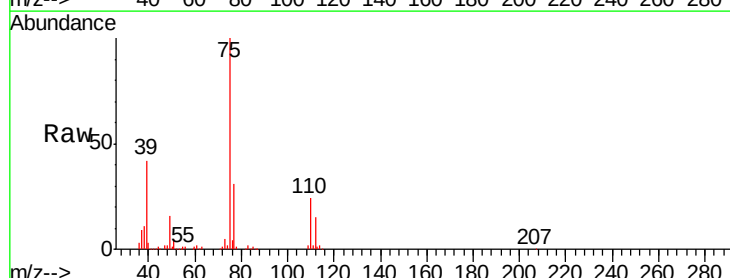
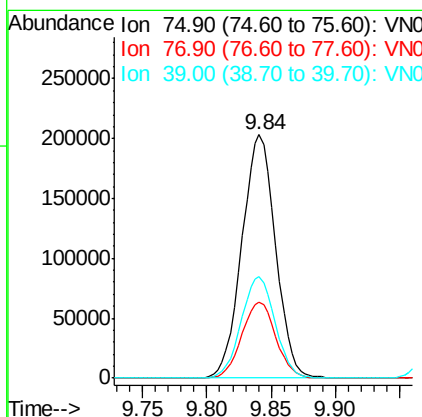
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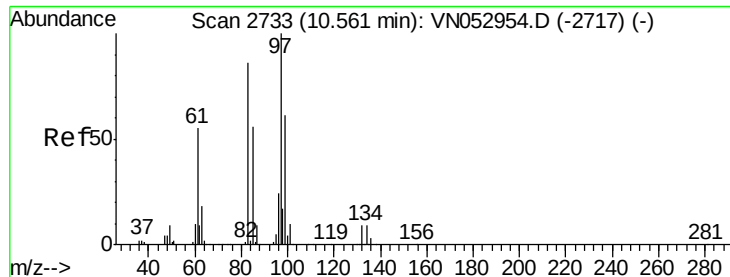
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#54
cis-1,3-Dichloropropene
Concen: 19.051 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 75 Resp: 369515
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8
39 41.7 34.8 52.2





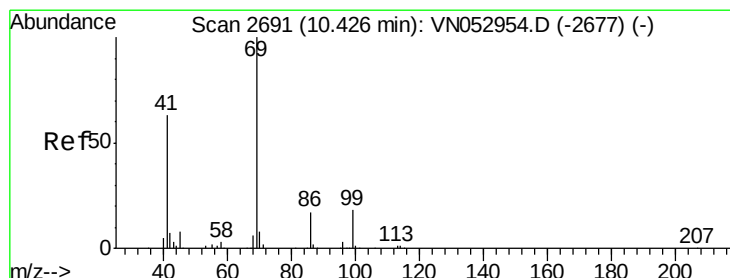
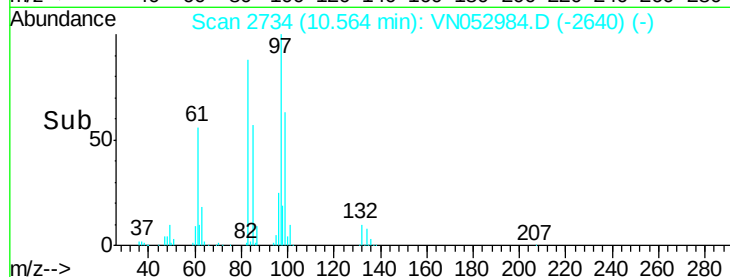
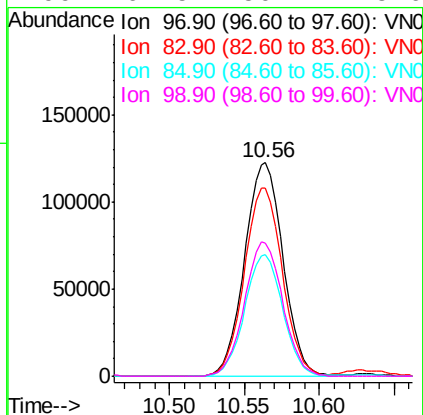
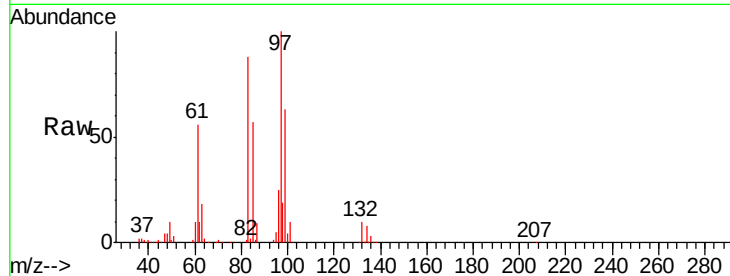
#55
 1,1,2-Trichloroethane
 Concen: 20.339 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	219131		
83	87.9	70.9	106.3	
85	56.8	45.4	68.2	
99	62.5	50.4	75.6	

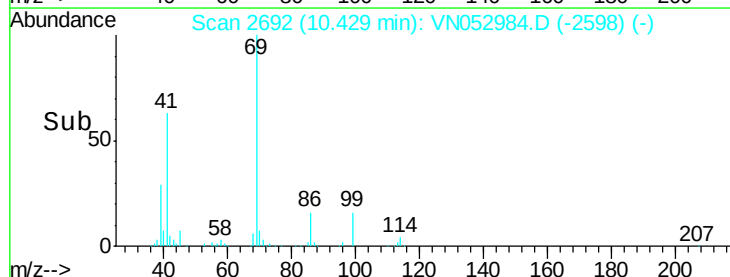
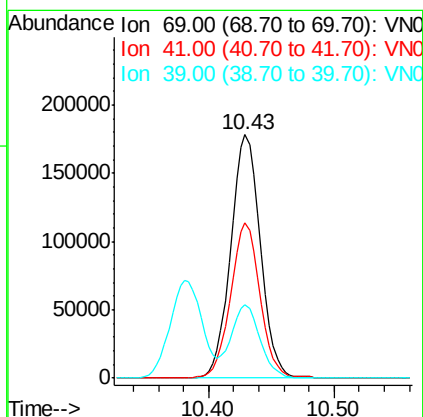
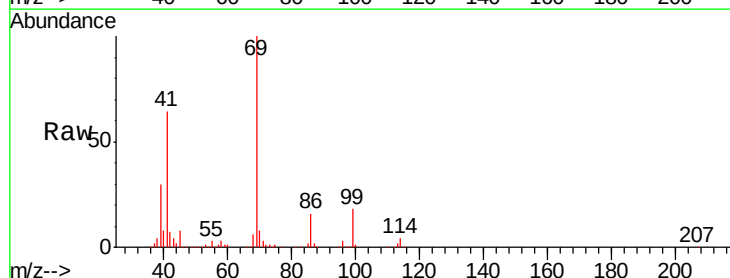
Manual Integrations
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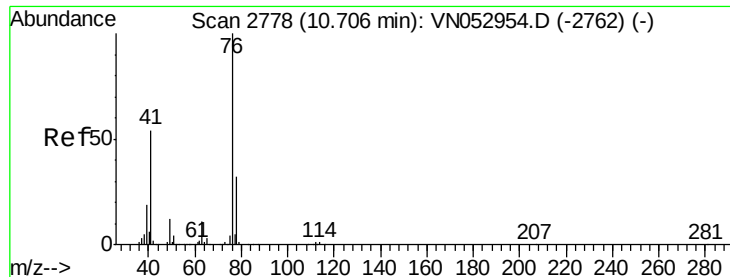
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#56
 Ethyl methacrylate
 Concen: 20.567 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	293286		
41	62.3	51.7	77.5	
39	29.4	24.6	37.0	





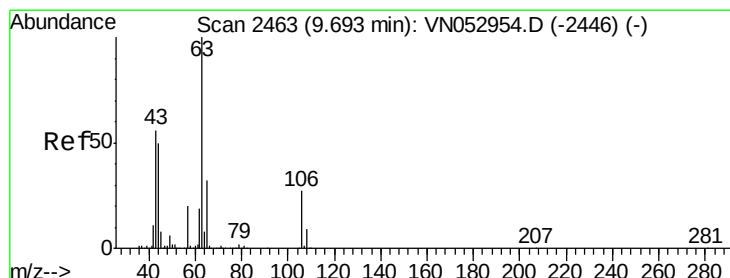
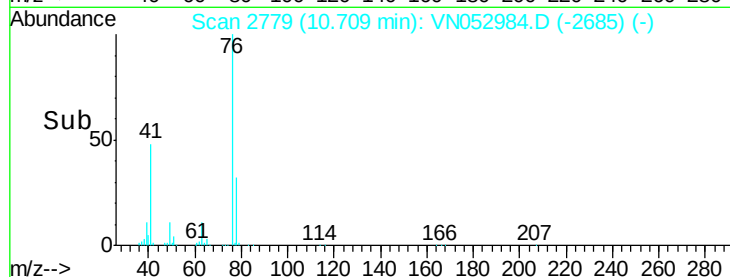
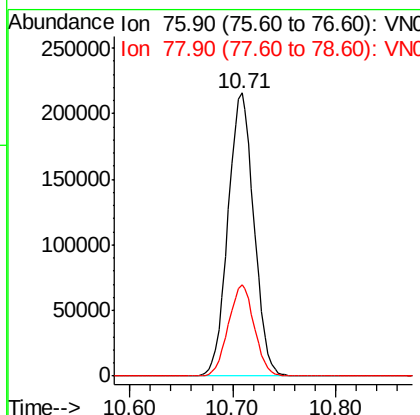
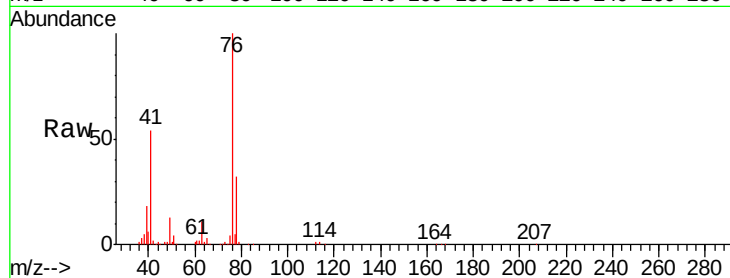
#57
 1,3-Dichloropropane
 Concen: 20.489 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

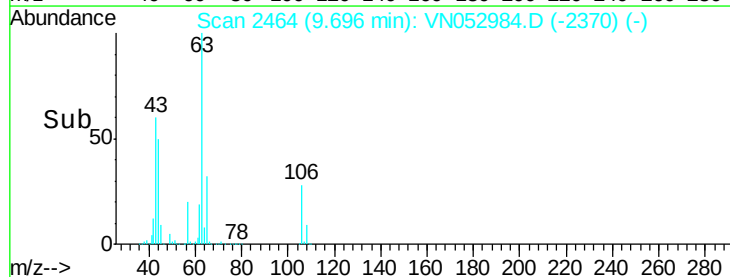
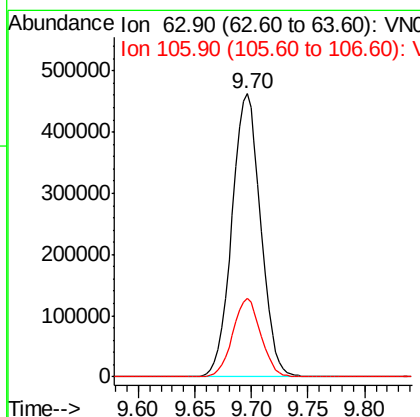
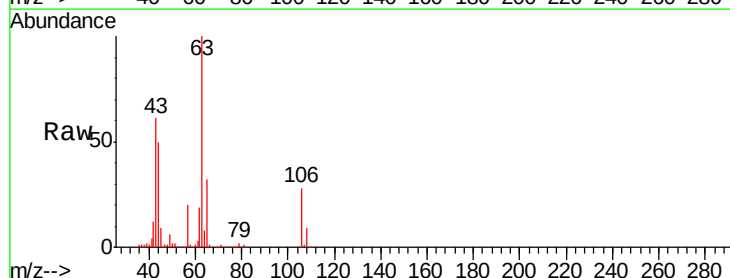
Manual Integrations
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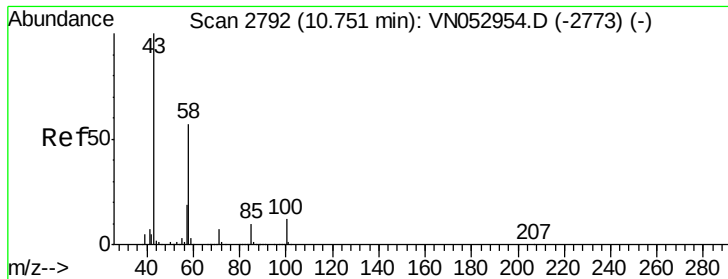
MMDadoda
 12/19/2018 12:08:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.658 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.0	31.6





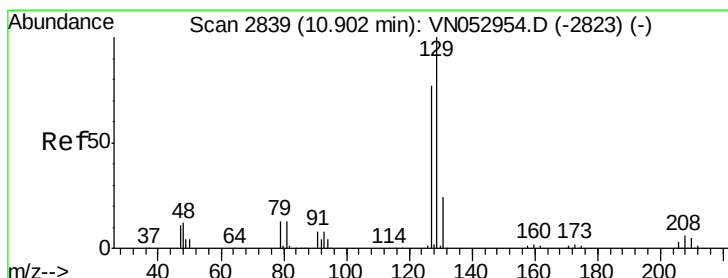
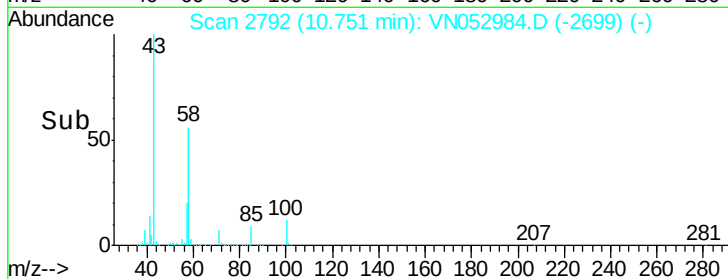
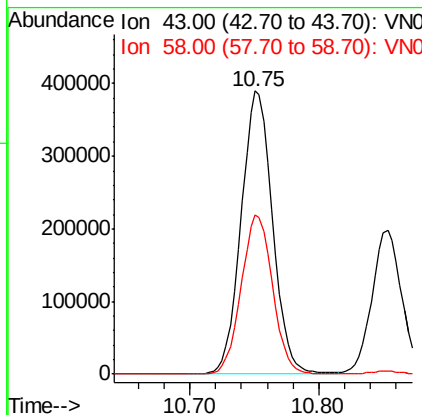
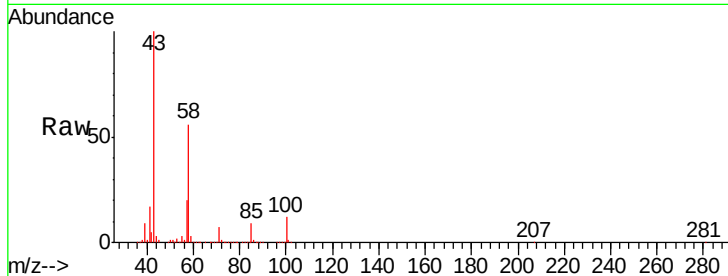
#59
2-Hexanone
Concen: 107.353 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion: 43 Resp: 657733
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3

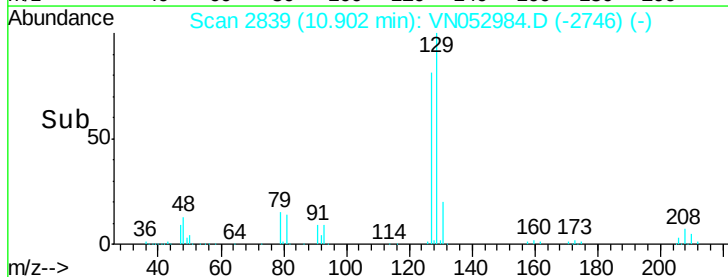
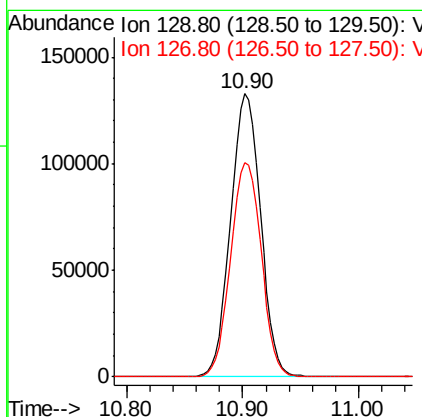
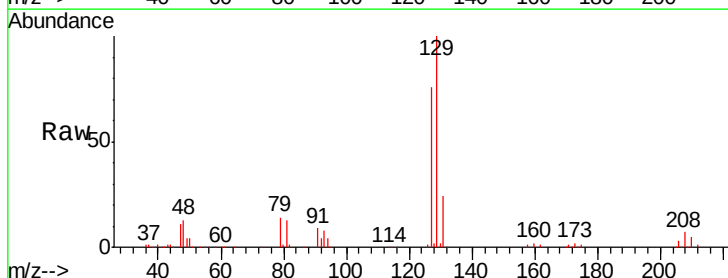
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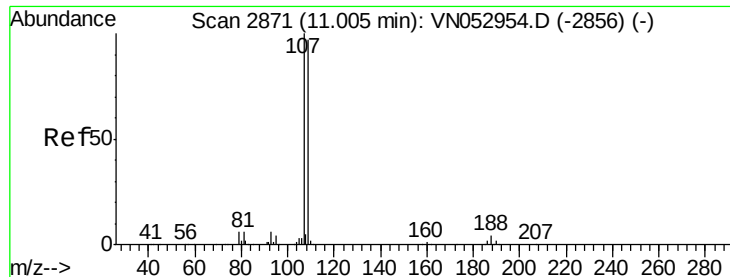
MMDadoda
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#60
Dibromochloromethane
Concen: 19.274 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 129 Resp: 237698
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





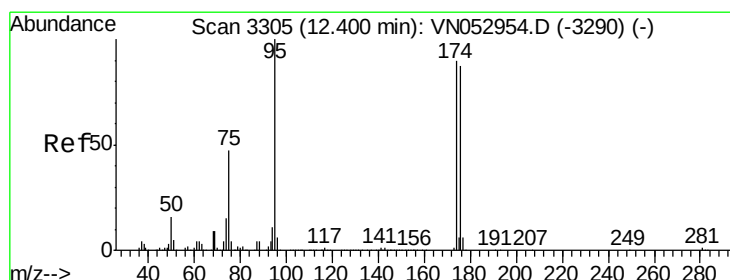
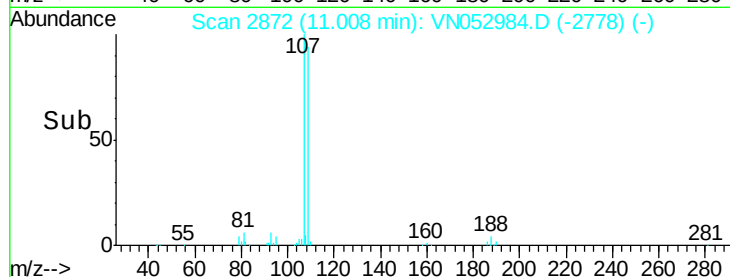
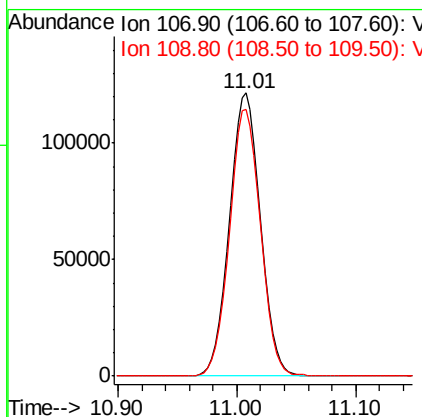
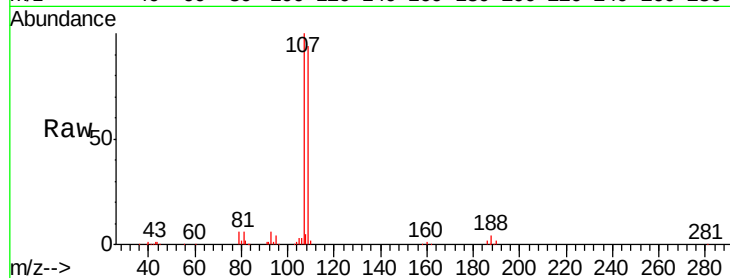
#61
1,2-Dibromoethane
Concen: 20.008 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion: 107 Resp: 218930
Ion Ratio Lower Upper
107 100
109 94.2 75.4 113.0

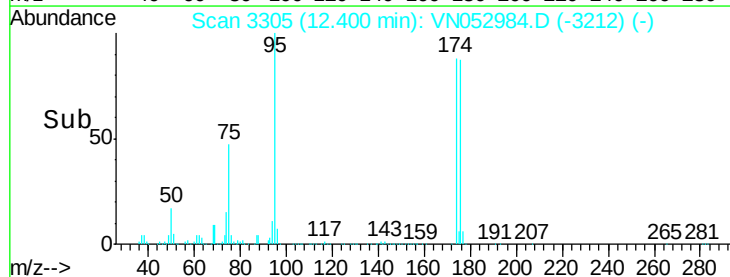
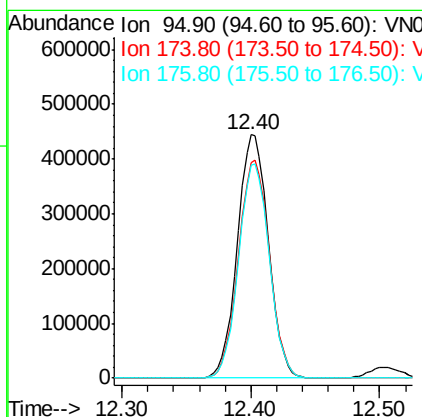
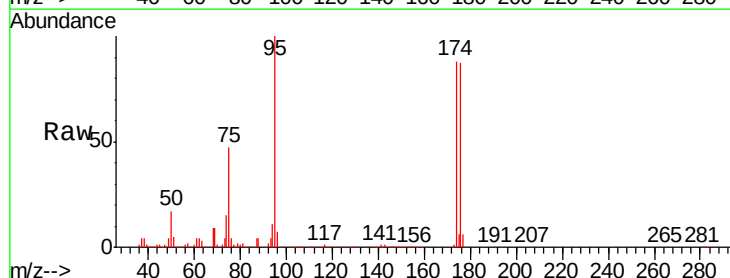
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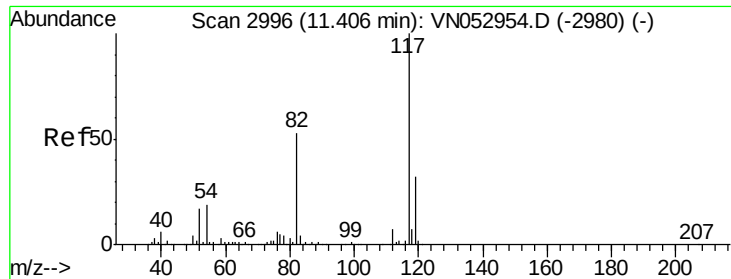
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 20.008 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion: 95 Resp: 741990
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.8
176 87.4 0.0 173.8





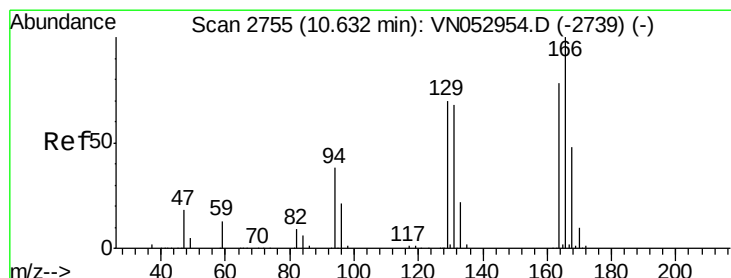
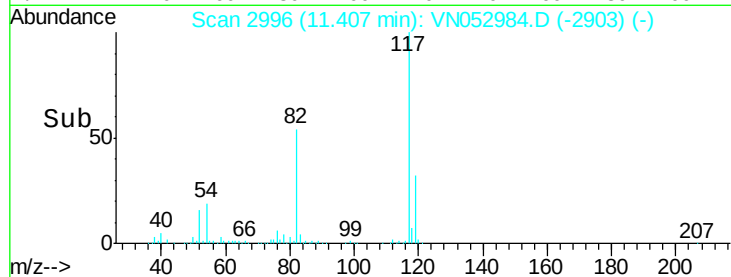
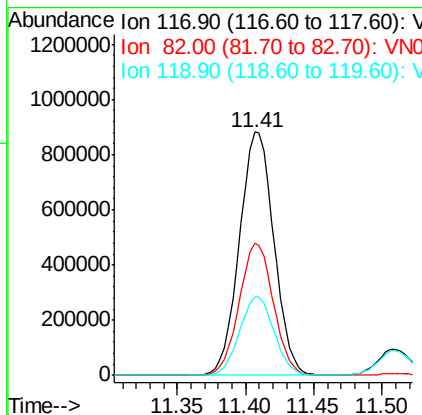
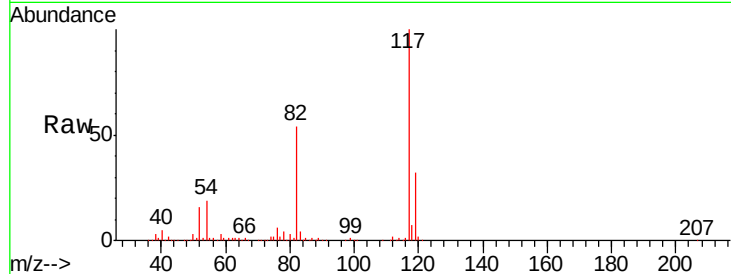
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.8	64.2
119	32.4	25.5	38.3

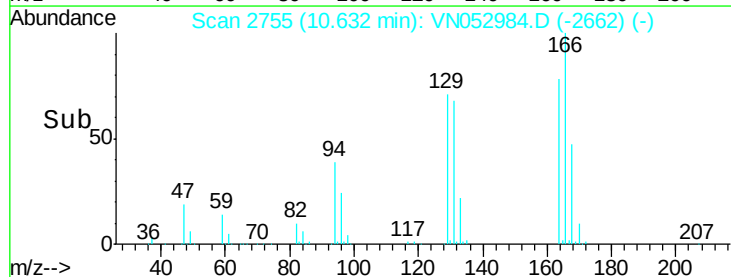
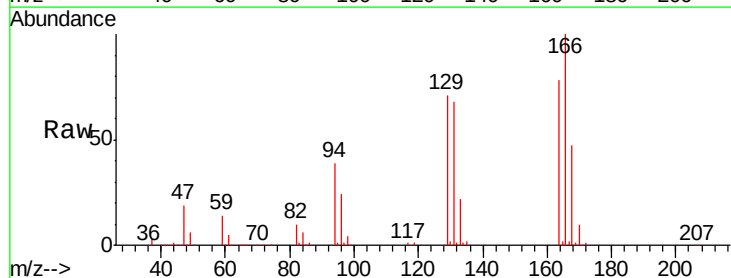
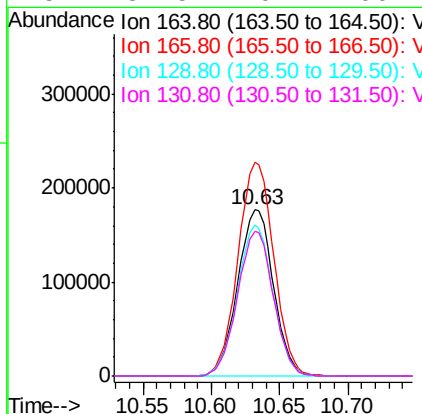
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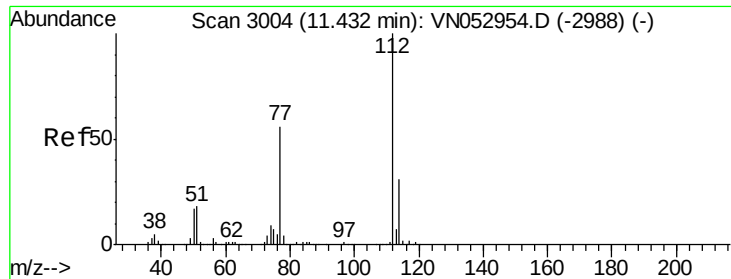
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#64
Tetrachloroethene
Concen: 19.141 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.9	154.3
129	90.9	73.7	110.5
131	87.5	70.7	106.1





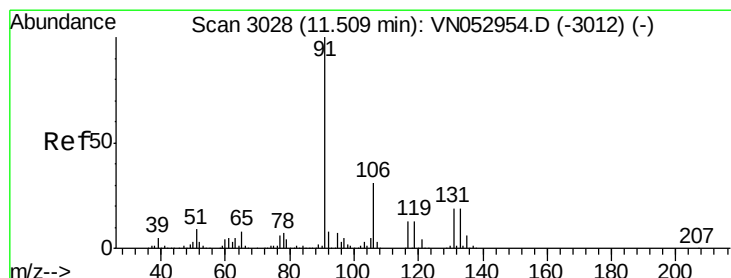
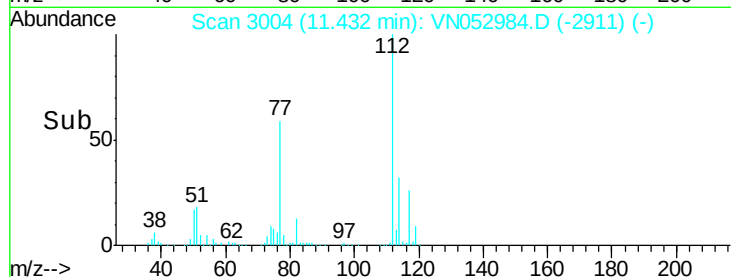
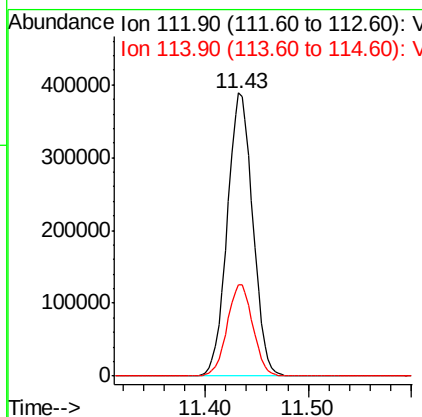
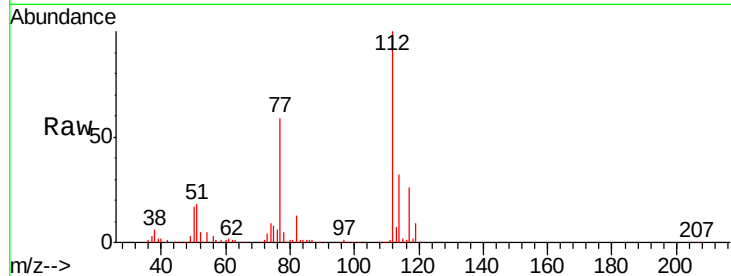
#65
Chlorobenzene
Concen: 19.509 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion:112 Resp: 669775
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3

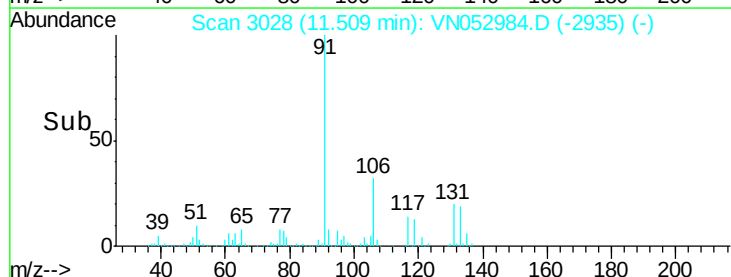
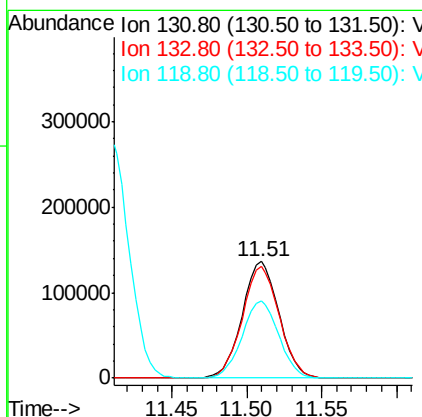
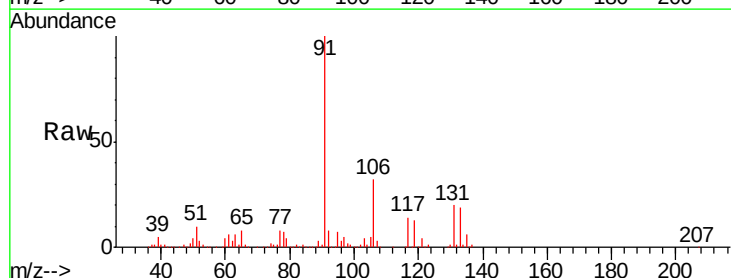
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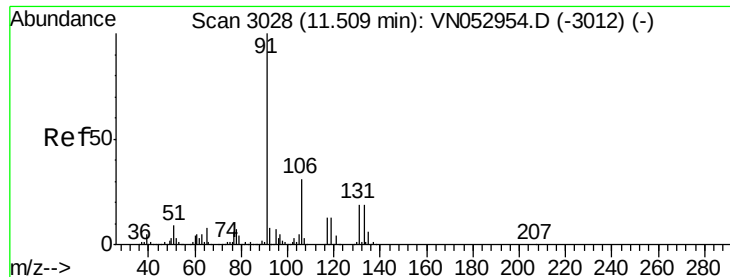
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.512 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion:131 Resp: 232947
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.9
119 66.1 33.3 99.8





#67

Ethyl Benzene

Concen: 19.511 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 91 Resp: 1151974

Ion Ratio Lower Upper

91 100

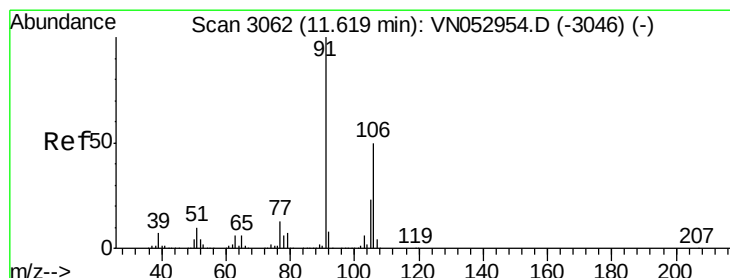
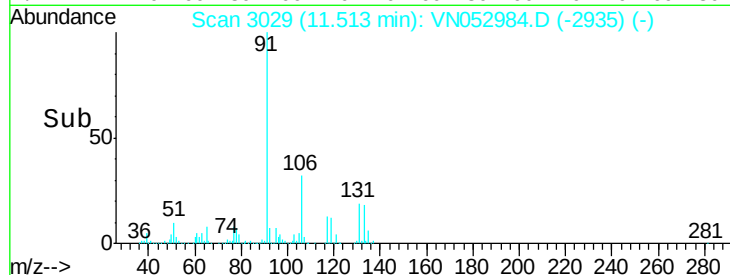
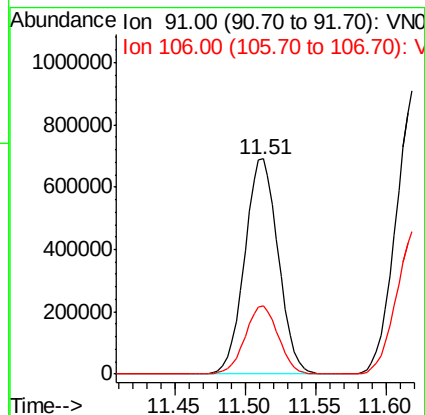
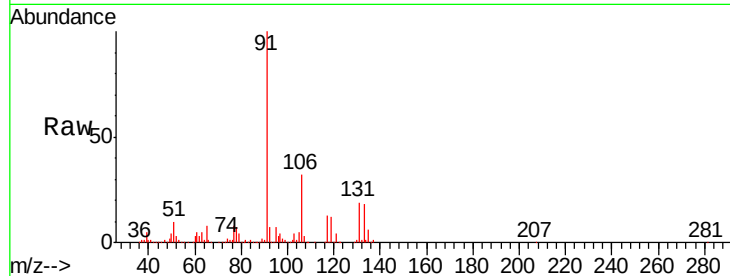
106 31.8 24.9 37.3

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#68

m/p-Xylenes

Concen: 39.213 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052984.D

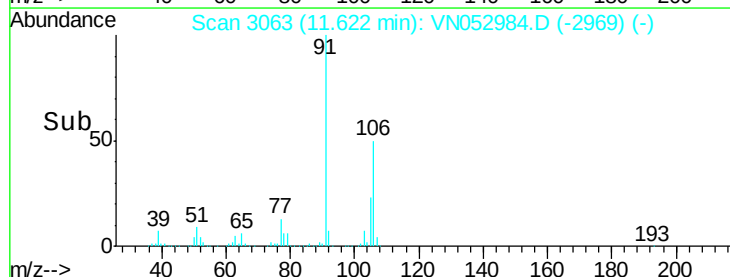
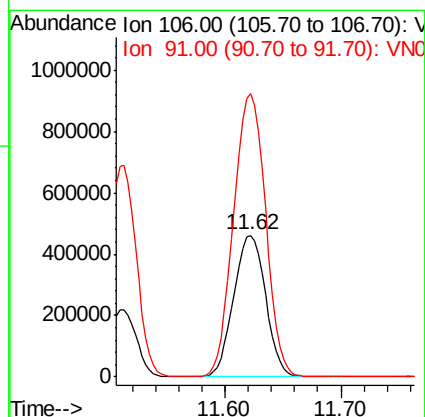
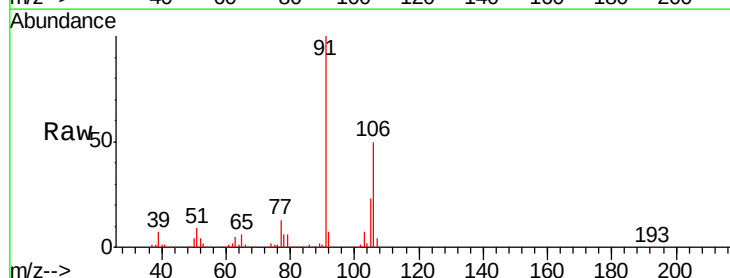
Acq: 19 Dec 2018 2:25

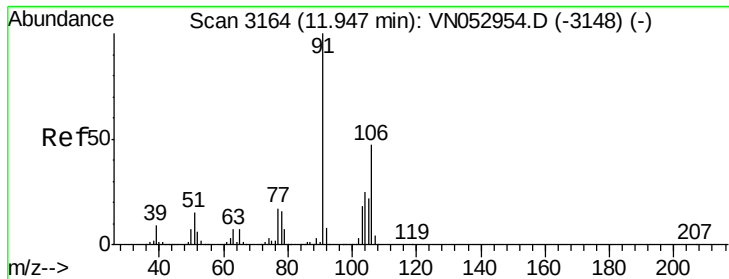
Tgt Ion: 106 Resp: 880146

Ion Ratio Lower Upper

106 100

91 200.7 162.2 243.4





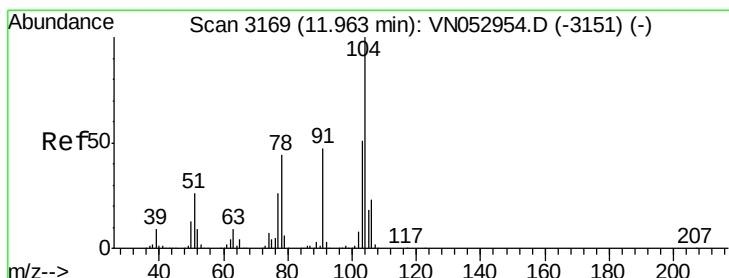
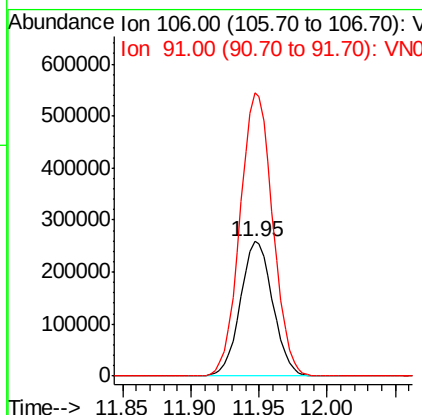
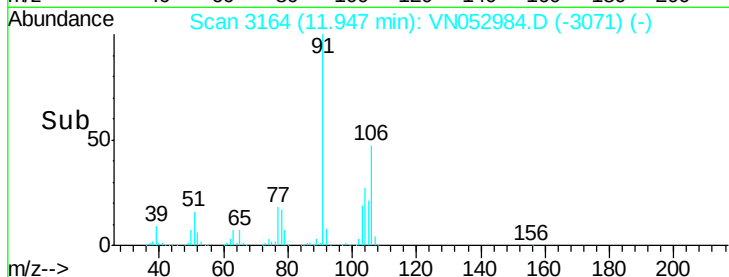
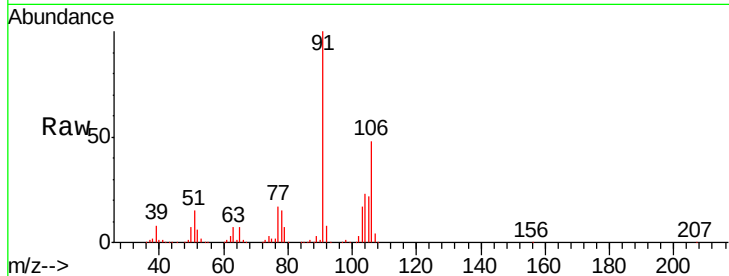
#69
o-Xylene
Concen: 19.801 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion:106 Resp: 426472
Ion Ratio Lower Upper
106 100
91 212.6 106.6 319.8

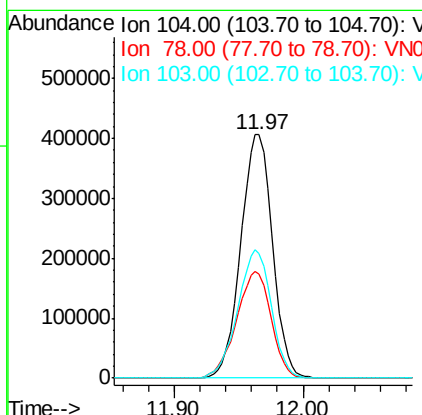
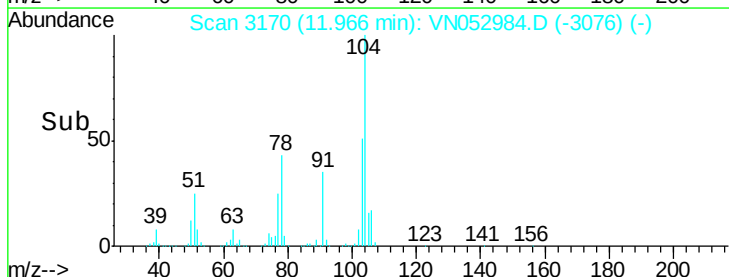
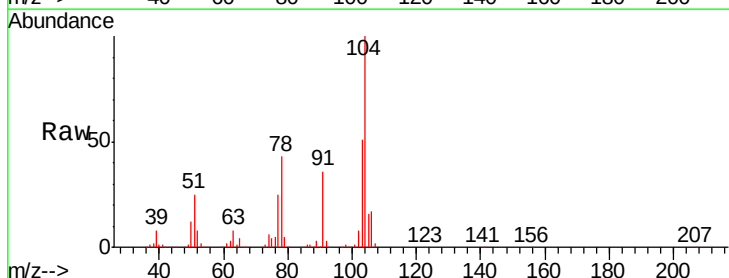
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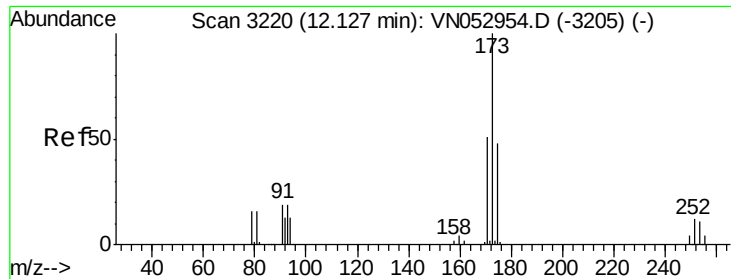
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#70
Styrene
Concen: 19.822 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion:104 Resp: 696142
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 18.727 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

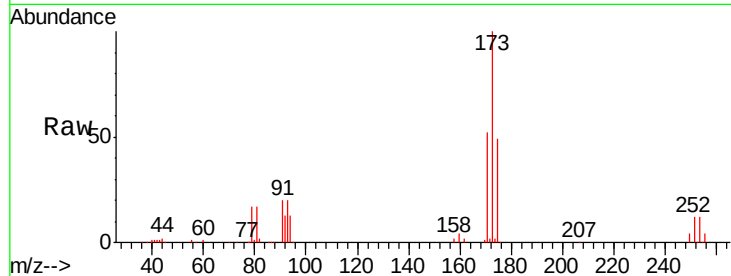
ClientSampleId :

VN1218MBS02

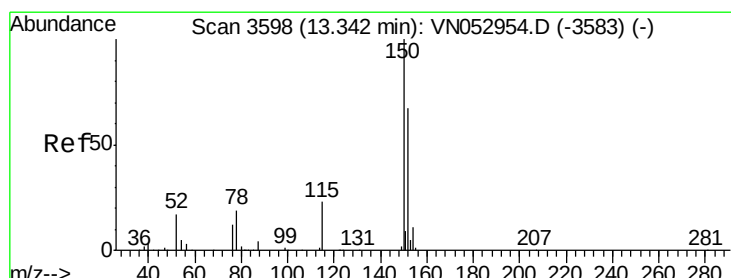
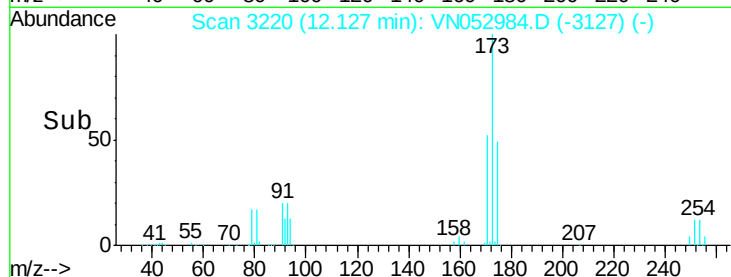
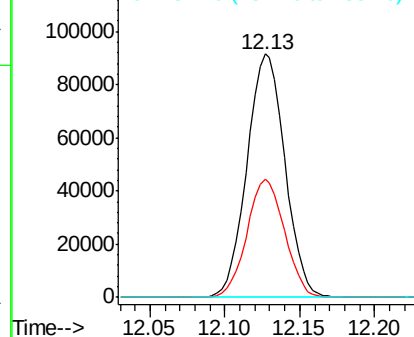
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.1	0.1	0.1#

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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

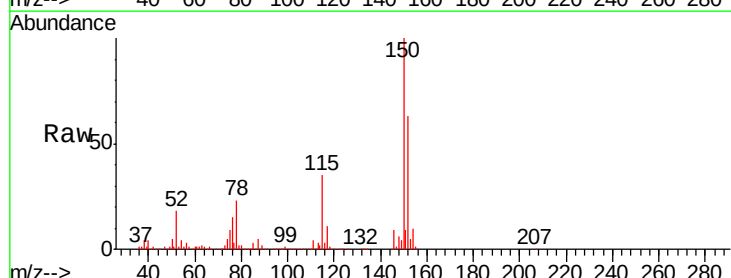
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

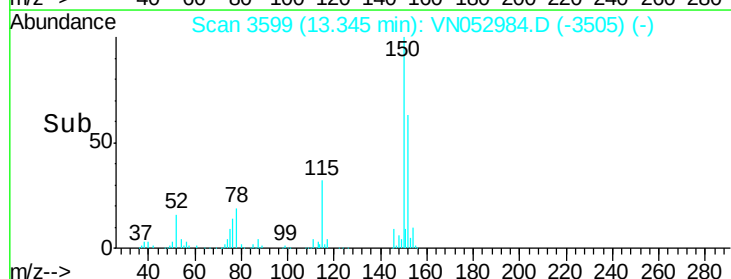
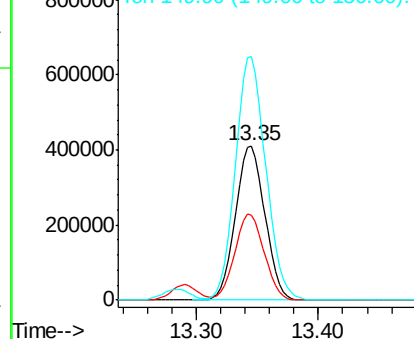
Lab File: VN052984.D

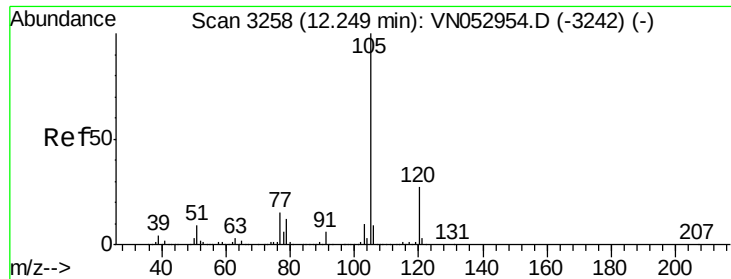
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.3	85.0
150	163.3	0.0	347.8



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: 21.036 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 105 Resp: 1130670

Ion Ratio Lower Upper

105 100

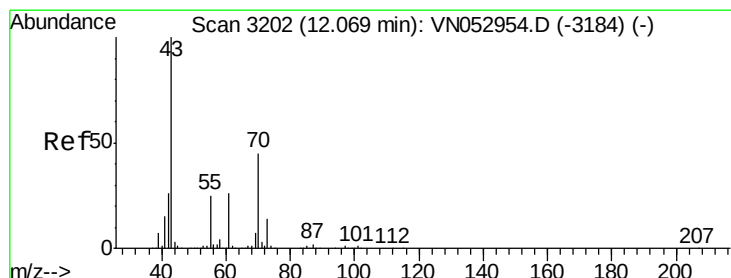
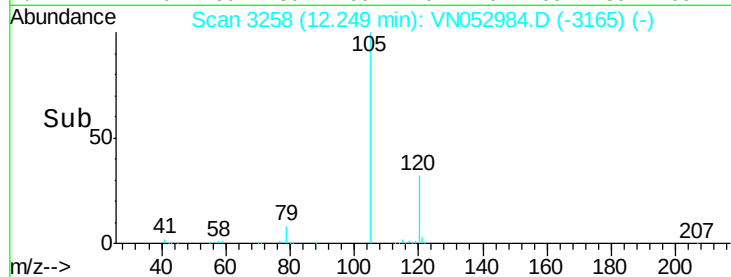
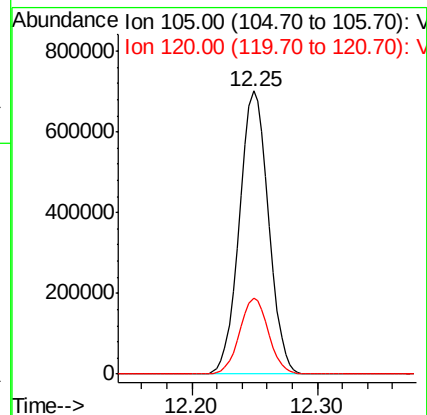
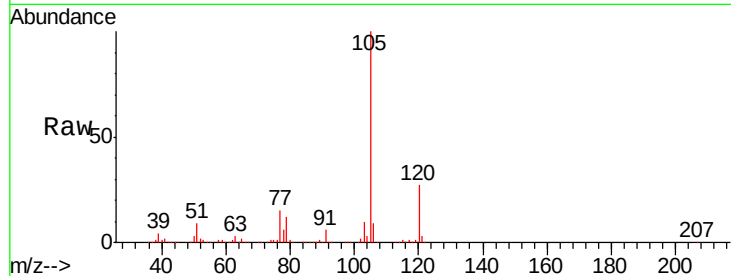
120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.874 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Tgt Ion: 43 Resp: 326421

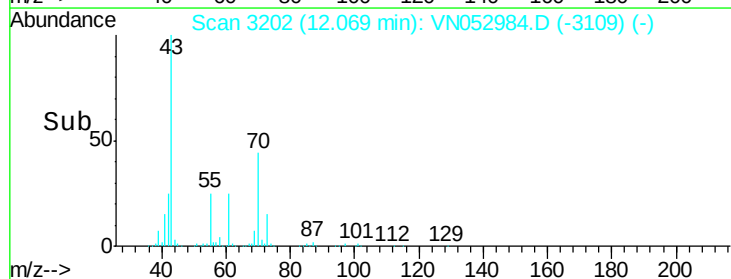
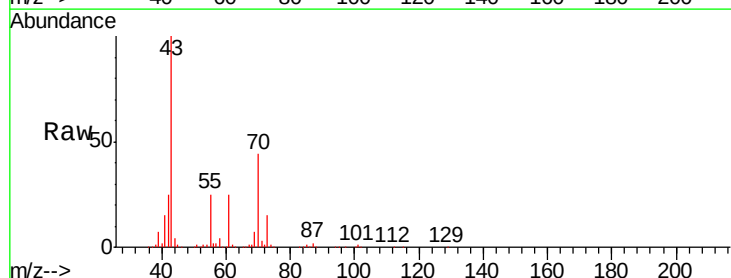
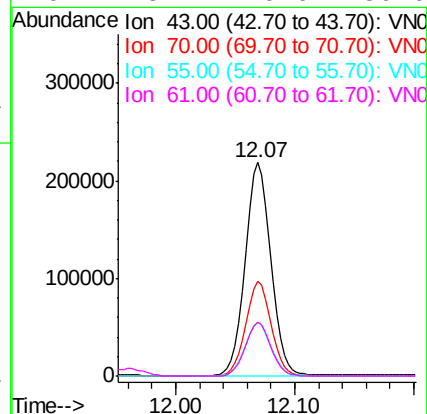
Ion Ratio Lower Upper

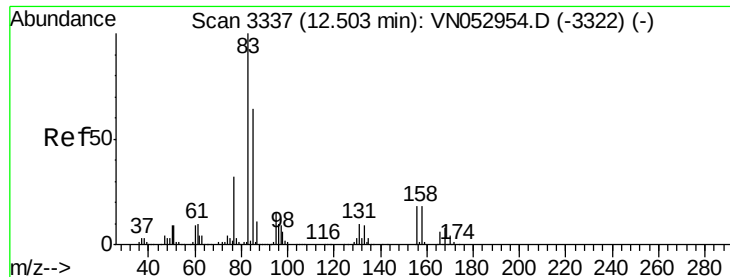
43 100

70 44.1 34.2 51.4

55 25.7 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.540 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 83 Resp: 237672
Ion Ratio Lower Upper

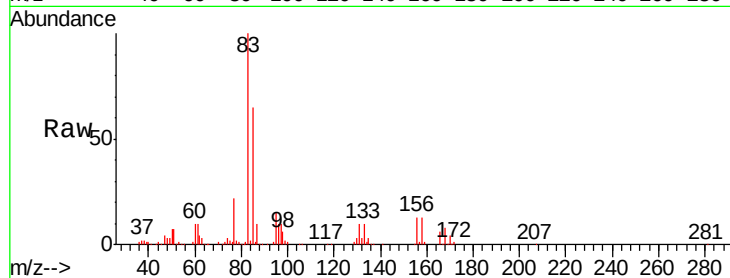
83 100

131 10.3 5.2 15.6

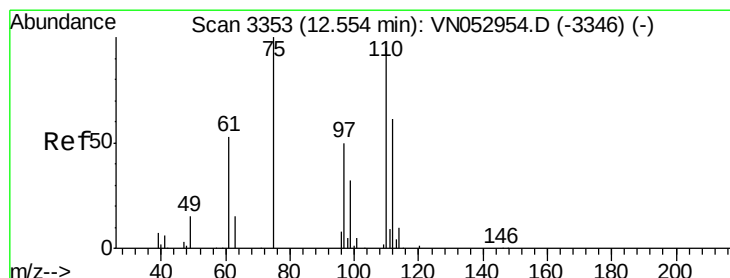
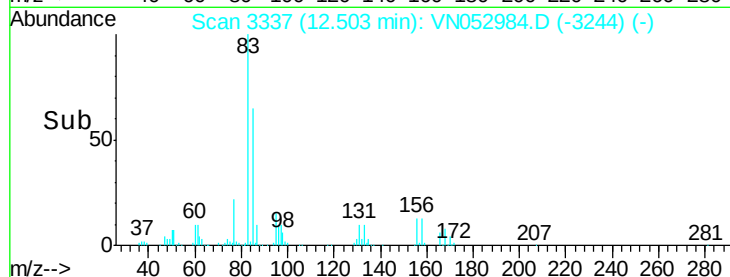
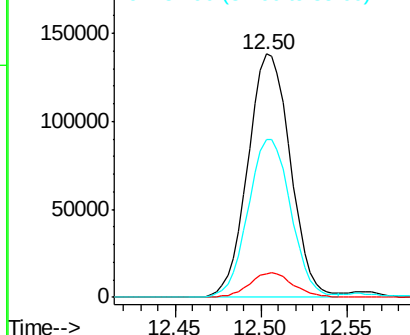
85 65.0 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 20.275 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

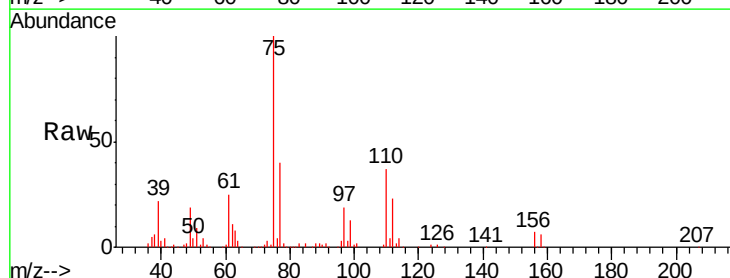
Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

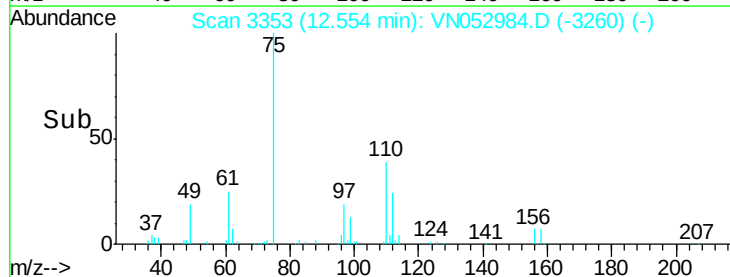
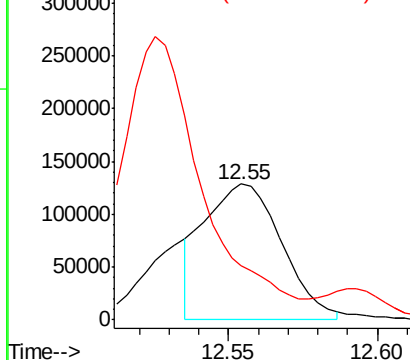
Tgt Ion: 75 Resp: 234460
Ion Ratio Lower Upper

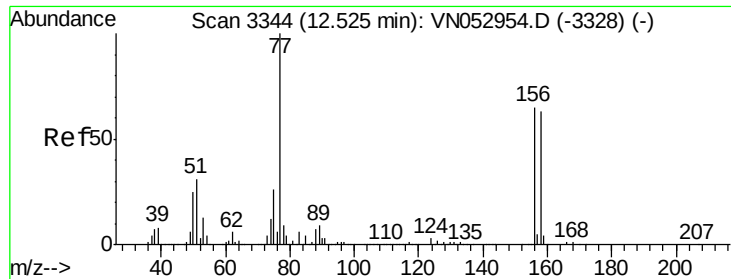
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 20.683 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

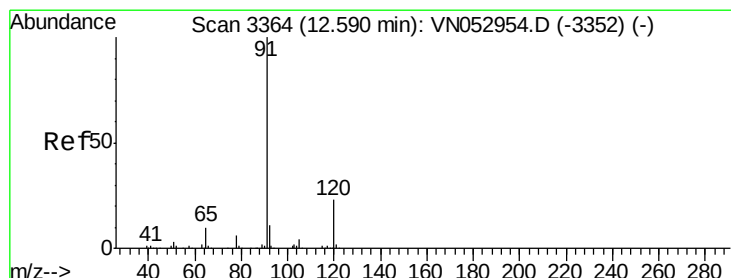
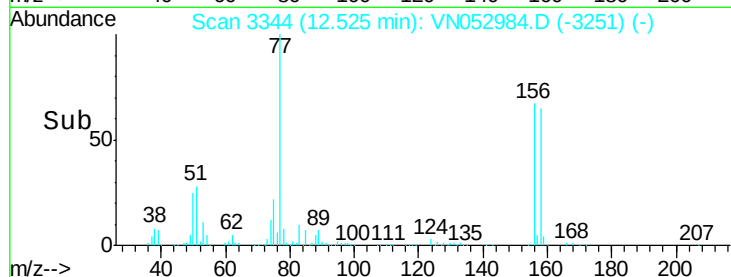
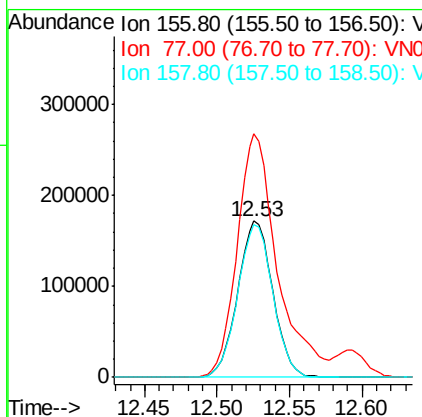
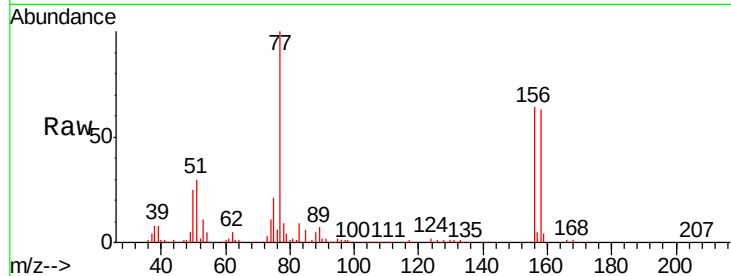
ClientSampleId :

VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	288980		
77	179.2	91.3	273.8	
158	98.0	49.0	147.2	

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#78

n-propylbenzene

Concen: 20.492 ug/l

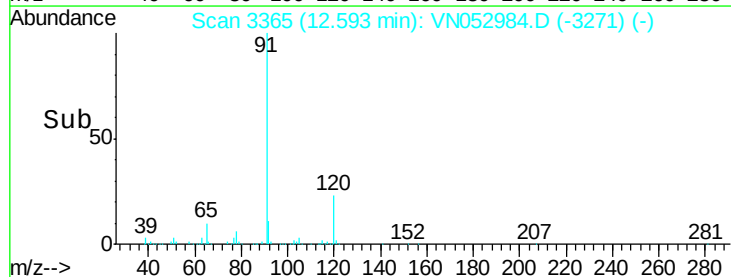
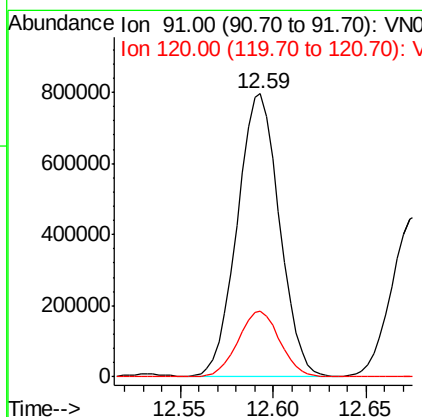
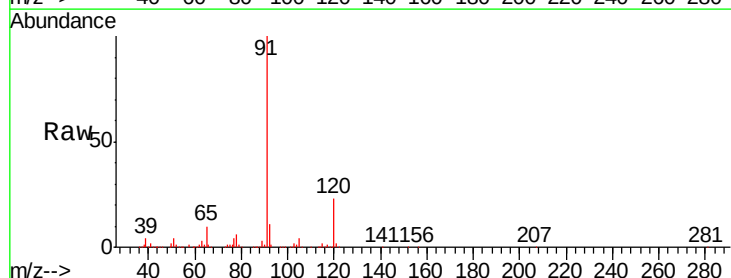
RT: 12.59 min Scan# 3365

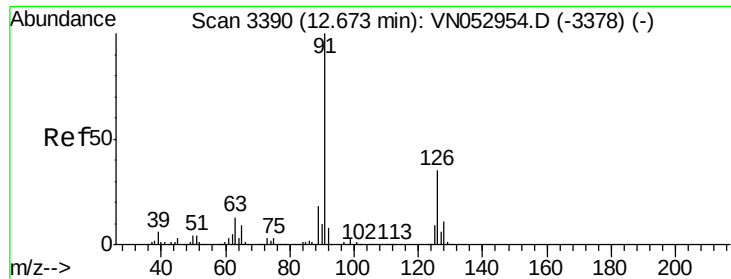
Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1254433		
120	23.1	11.5	34.5	





#79

2-Chlorotoluene

Concen: 19.692 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 91 Resp: 747181

Ion Ratio Lower Upper

91 100

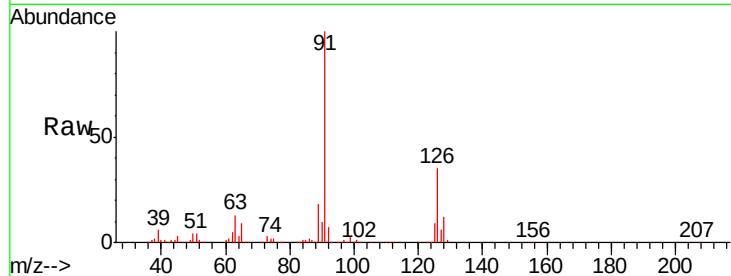
126 35.3 17.4 52.3

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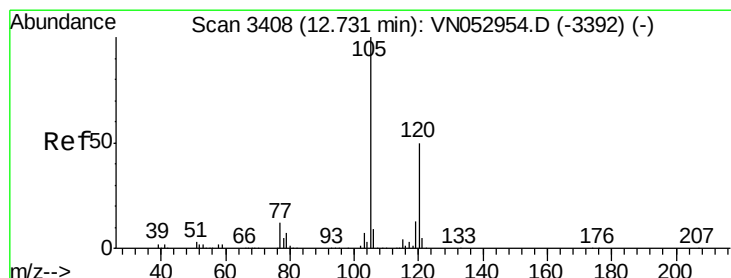
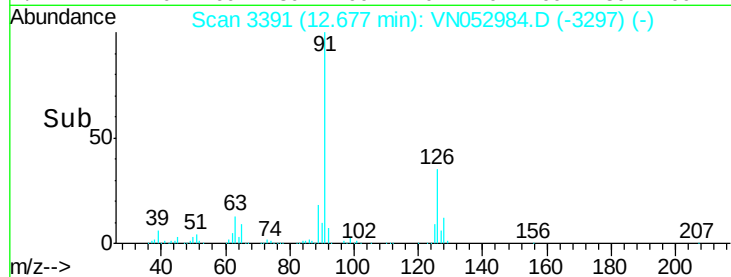
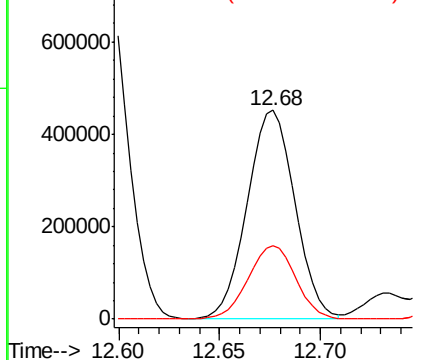
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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.075 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052984.D

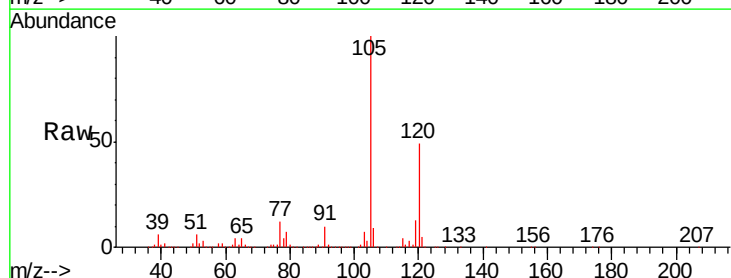
Acq: 19 Dec 2018 2:25

Tgt Ion: 105 Resp: 879469

Ion Ratio Lower Upper

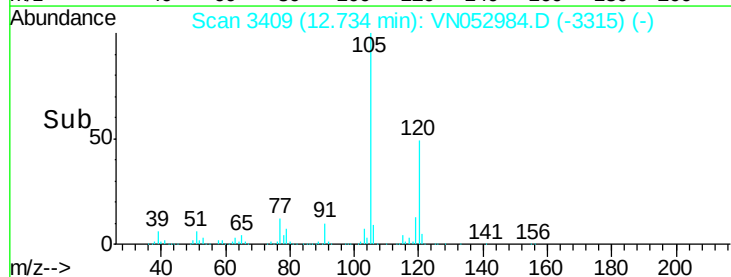
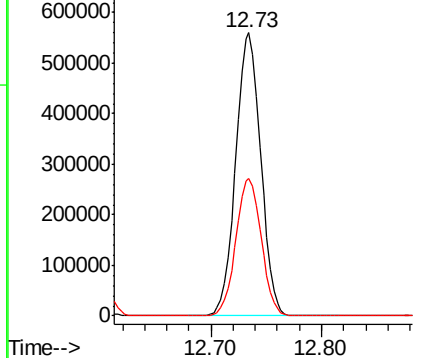
105 100

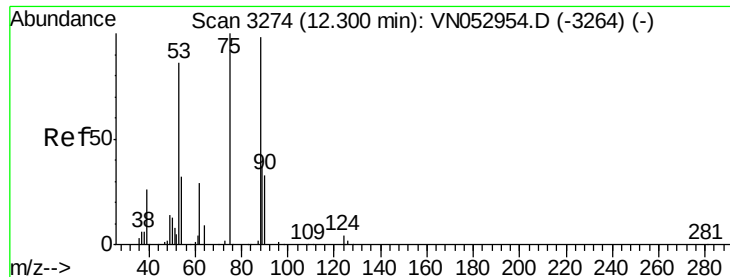
120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.595 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion: 75 Resp: 66716
Ion Ratio Lower Upper

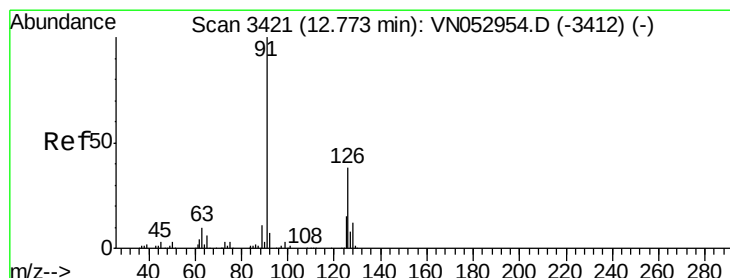
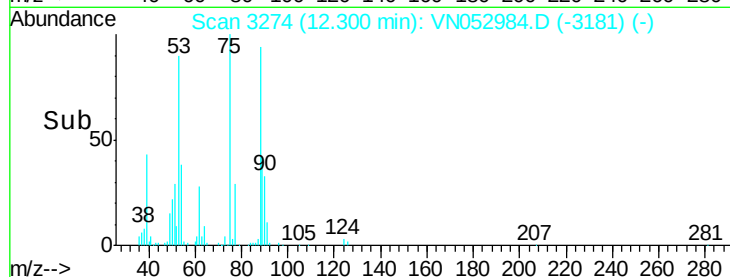
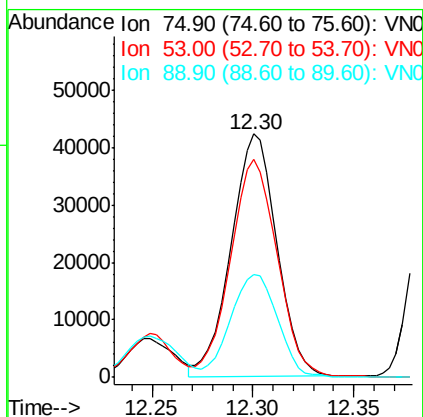
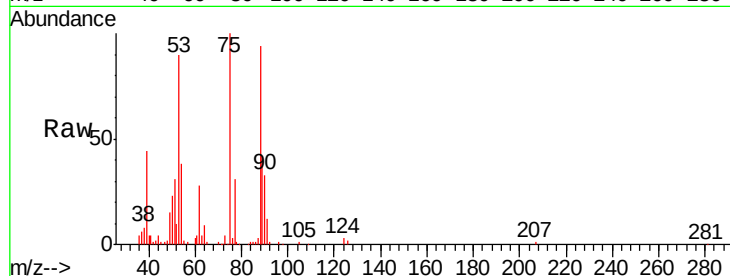
75 100

53 92.7 74.7 112.1

89 43.9 36.1 54.1

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#82

4-Chlorotoluene

Concen: 20.328 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

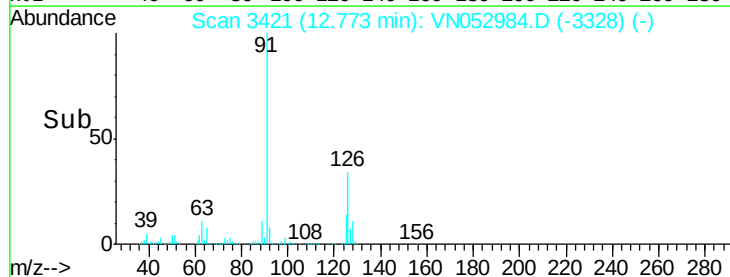
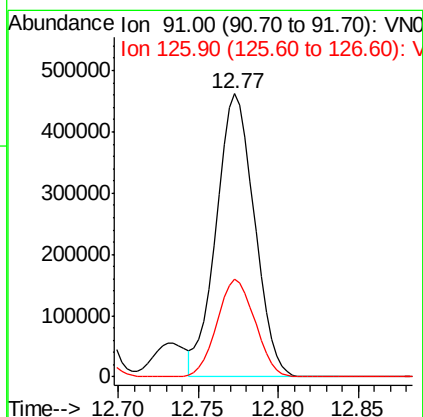
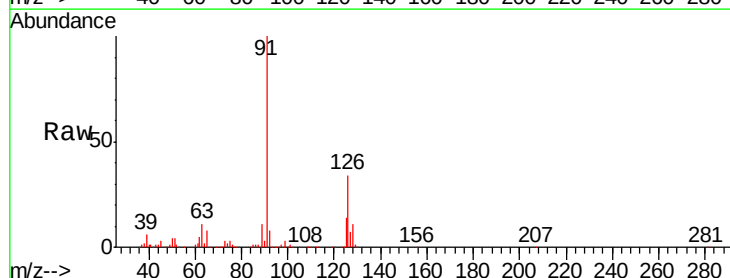
Lab File: VN052984.D

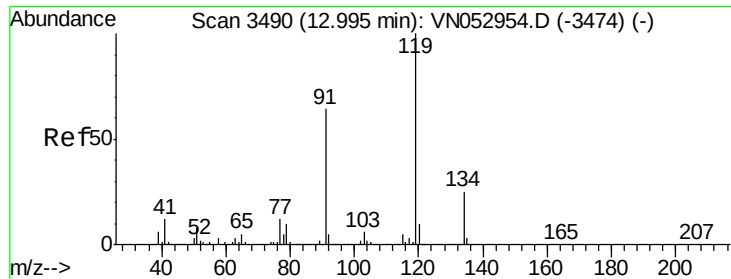
Acq: 19 Dec 2018 2:25

Tgt Ion: 91 Resp: 755068
Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.7





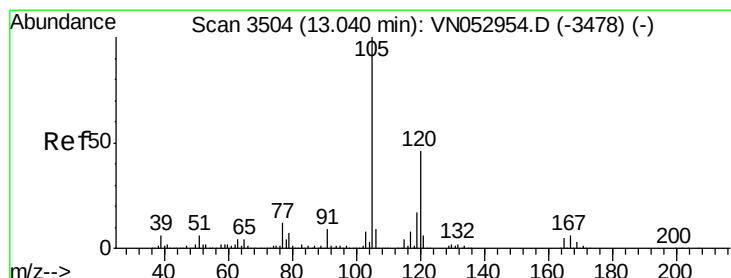
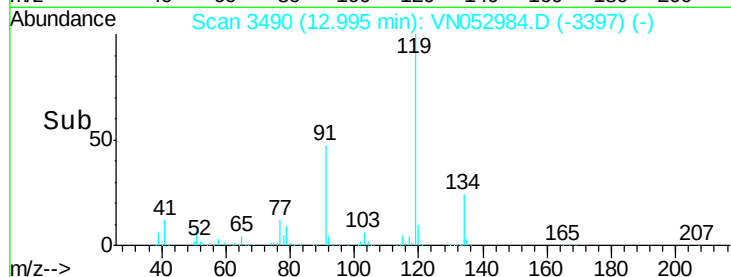
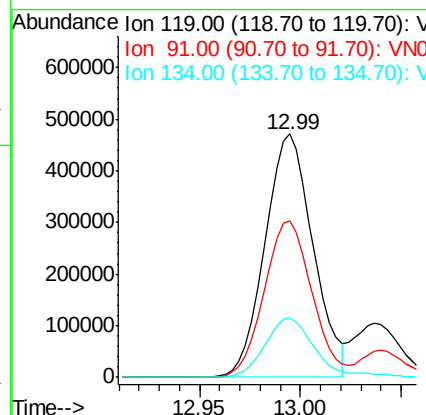
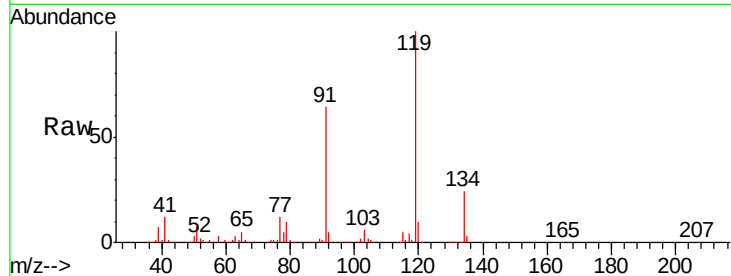
#83
 tert-Butylbenzene
 Concen: 20.185 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	782094		
91	63.8	31.9	95.5	
134	25.5	12.8	38.4	

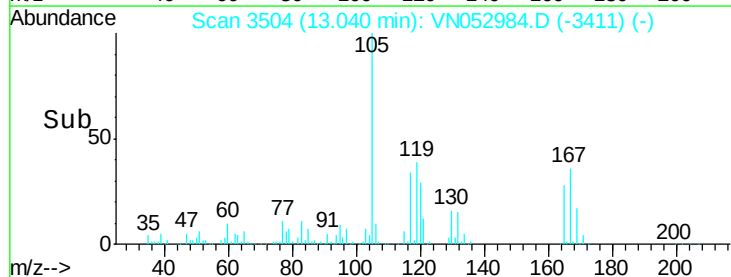
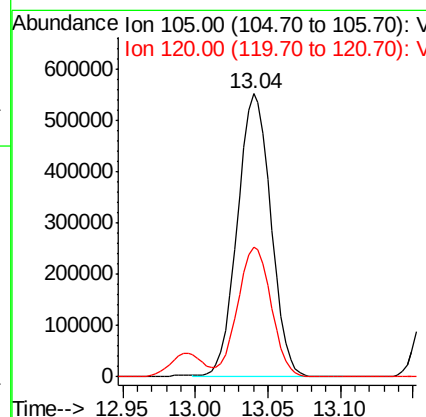
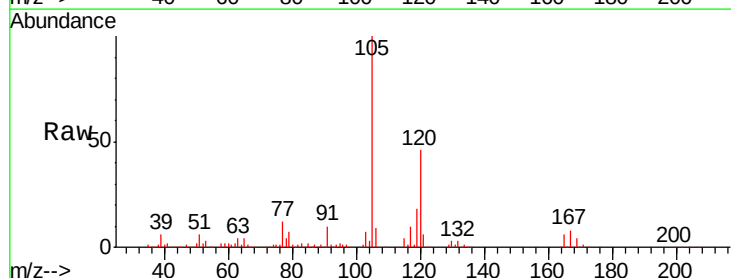
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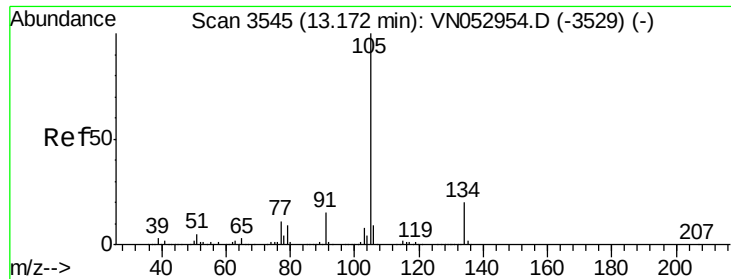
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.017 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	881584		
120	46.2	22.9	68.8	





#85

sec-Butylbenzene

Concen: 19.665 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218MBS02

Tgt Ion:105 Resp: 1030587

Ion Ratio Lower Upper

105 100

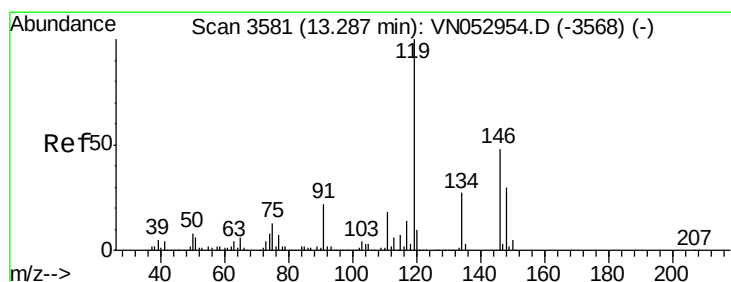
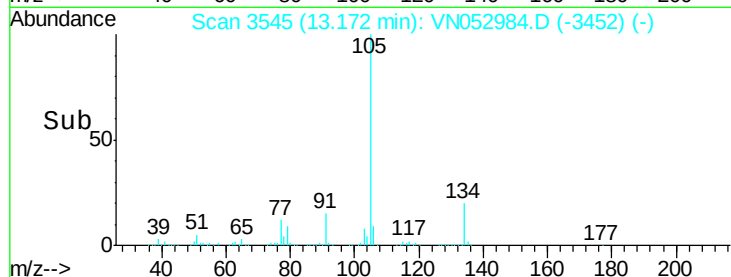
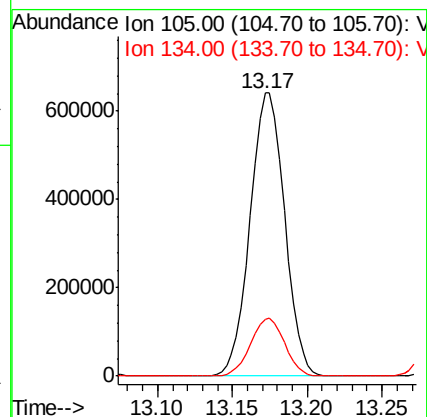
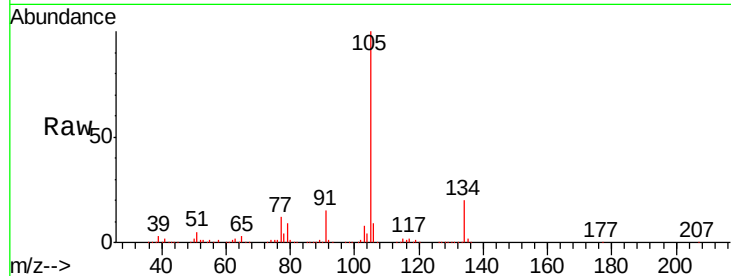
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.440 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052984.D

Acq: 19 Dec 2018 2:25

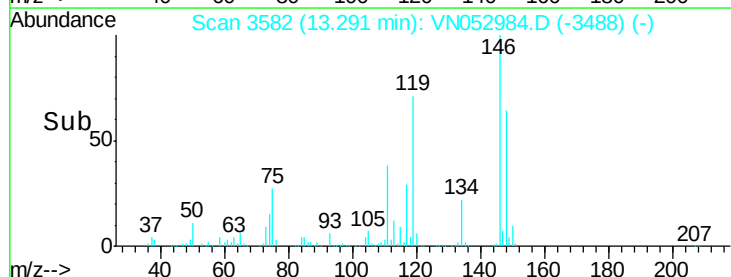
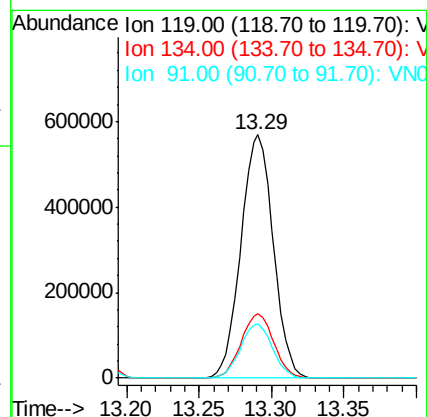
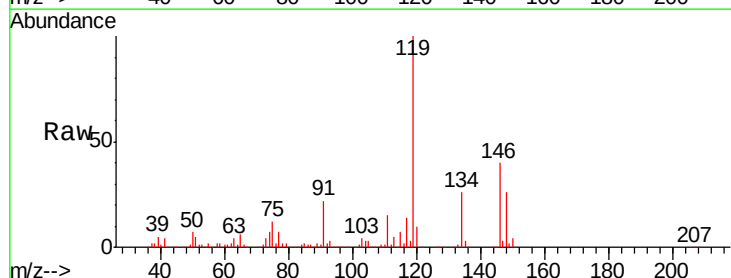
Tgt Ion:119 Resp: 880318

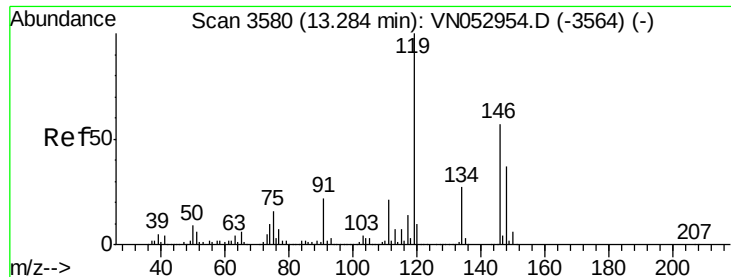
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.1 11.1 33.3





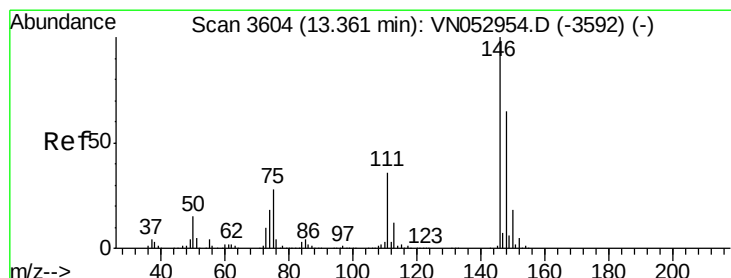
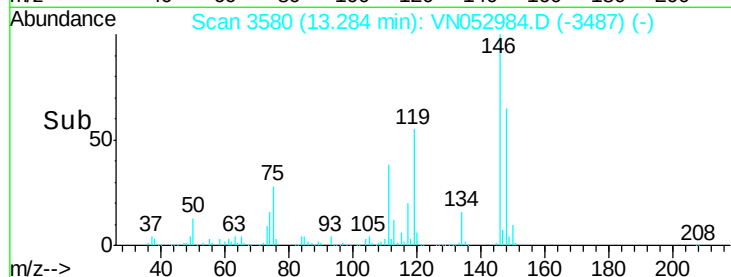
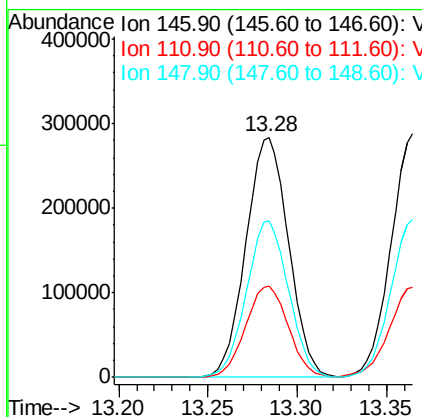
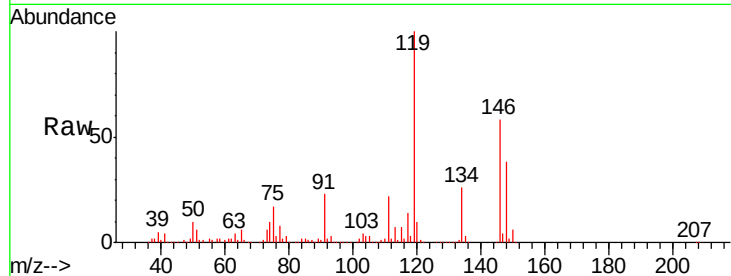
#87
 1,3-Dichlorobenzene
 Concen: 19.204 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	474868		
111	38.1	19.1	57.1	
148	64.3	32.0	96.0	

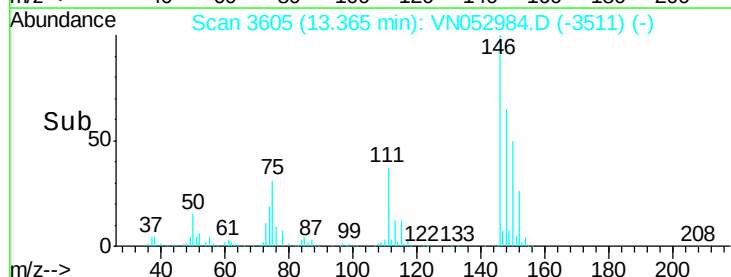
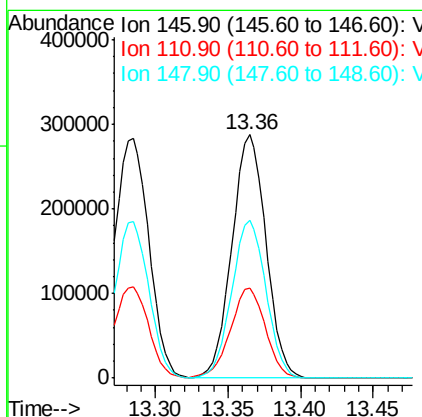
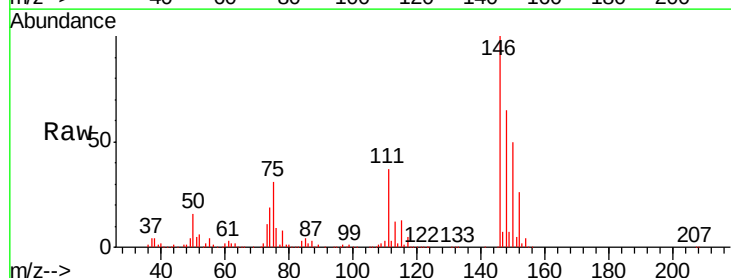
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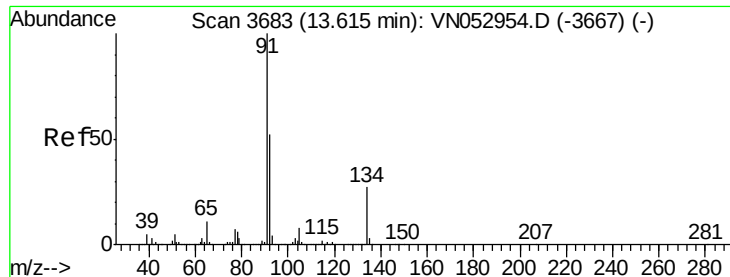
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#88
 1,4-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	470351		
111	38.0	18.6	55.8	
148	65.2	32.1	96.5	





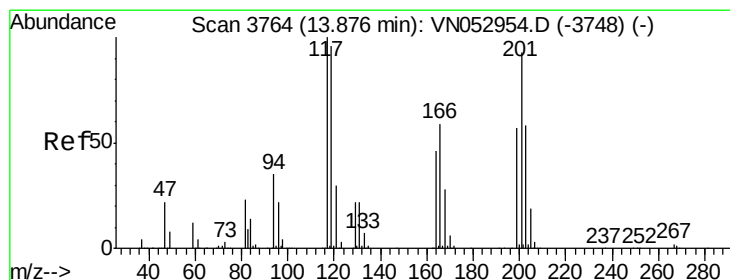
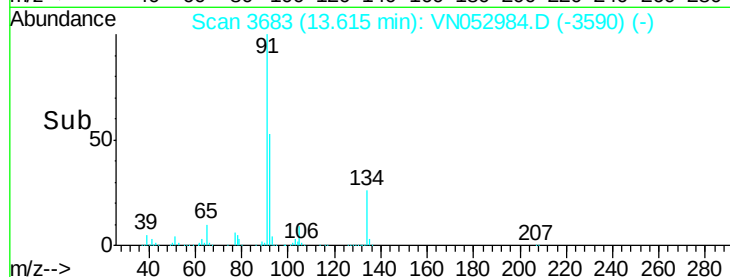
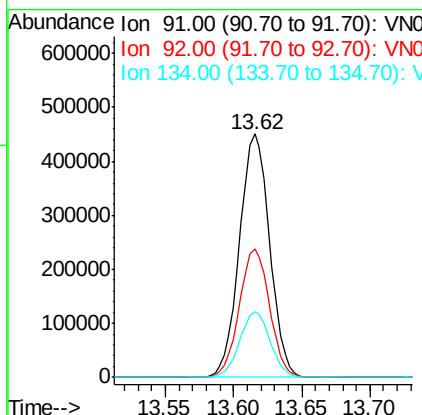
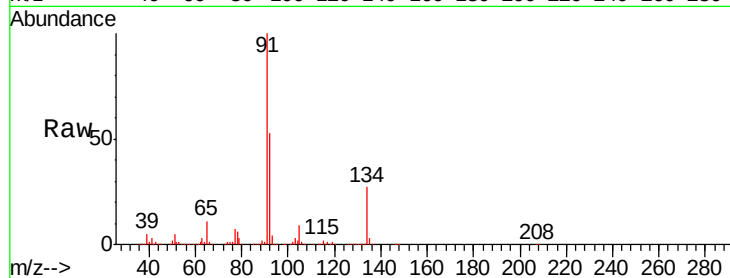
#89
n-Butylbenzene
Concen: 17.799 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	27.1	13.3	39.8

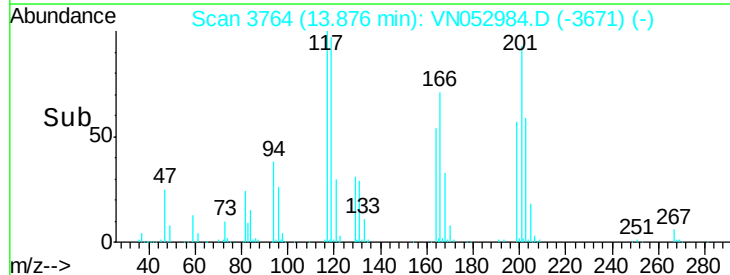
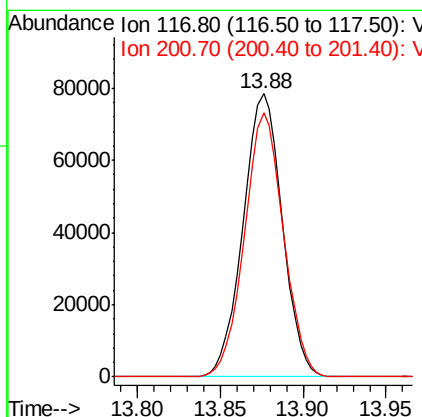
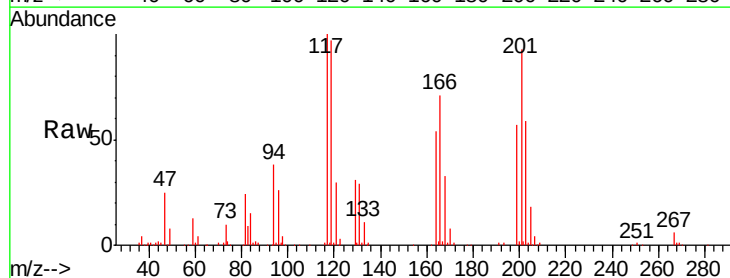
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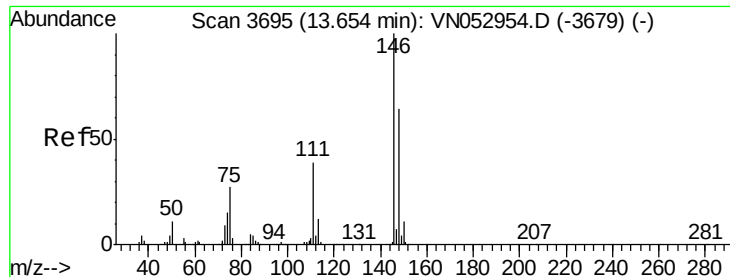
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#90
Hexachloroethane
Concen: 18.517 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	45.7	137.1





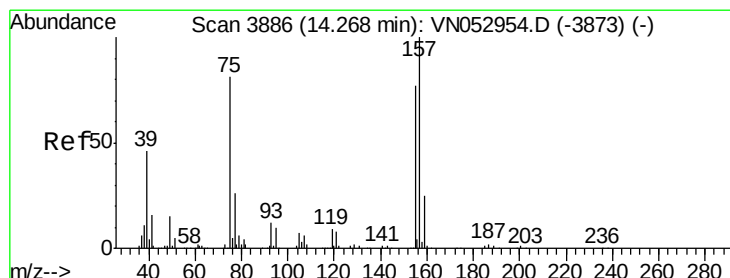
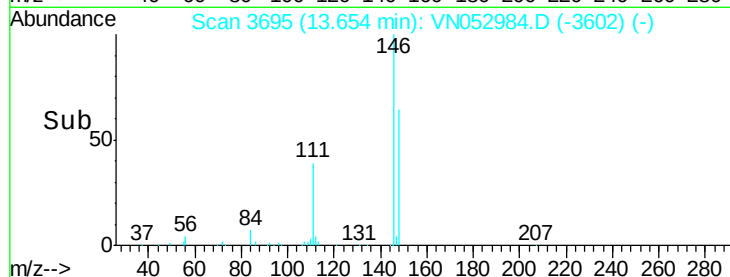
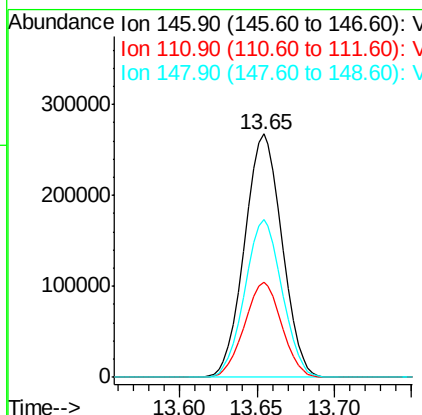
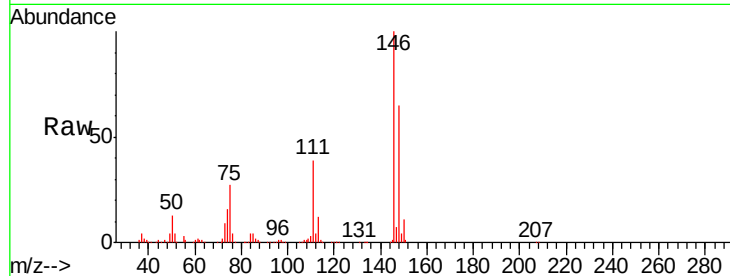
#91
 1,2-Dichlorobenzene
 Concen: 19.435 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	452312		
111	38.8	19.7	59.0	
148	64.5	32.0	96.0	

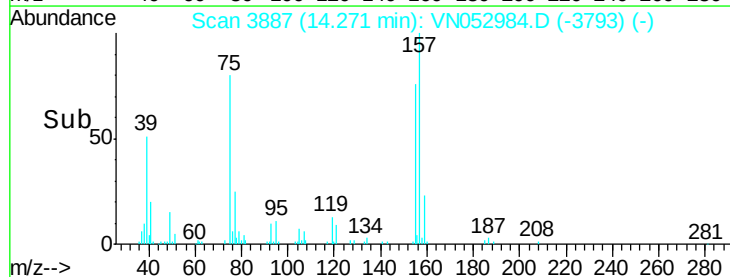
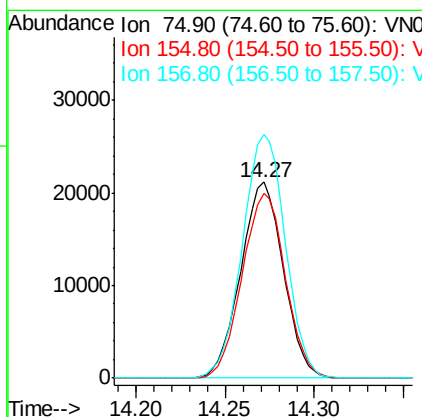
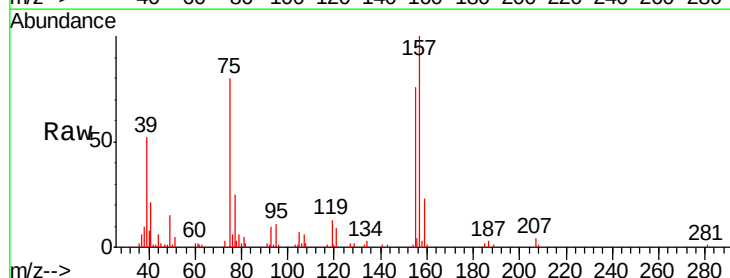
Manual Integrations
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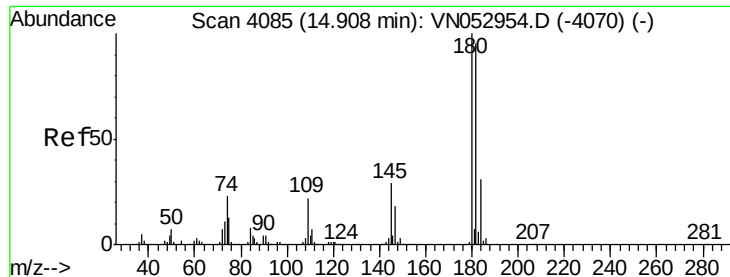
MMDadoda
 12/19/2018 12:08:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.415 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35398		
155	95.3	48.2	144.6	
157	125.2	61.2	183.5	





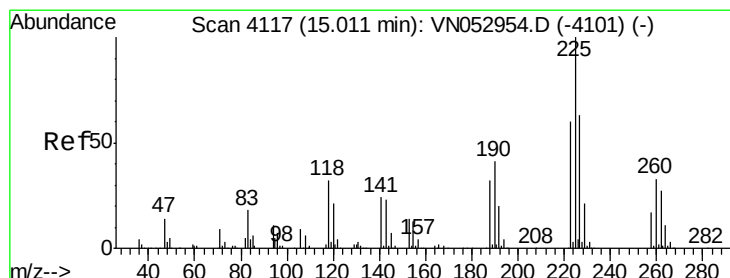
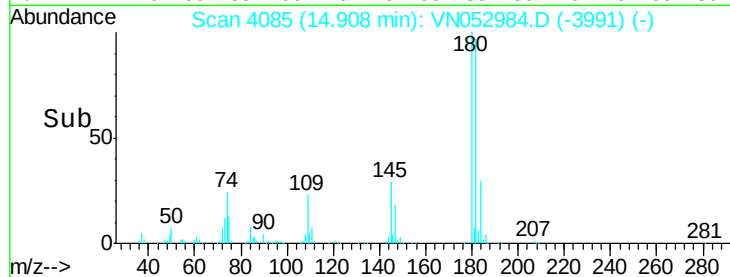
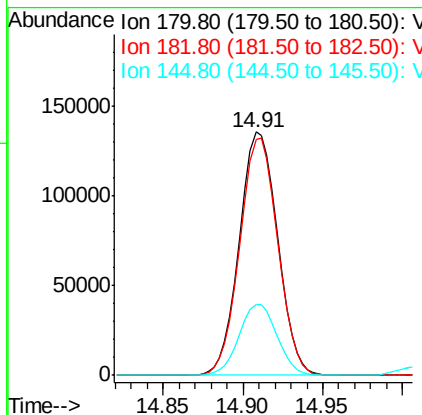
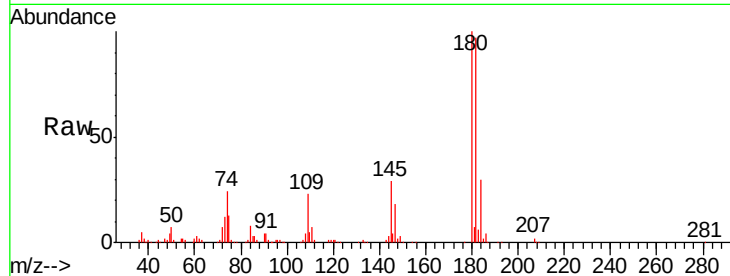
#93
 1,2,4-Trichlorobenzene
 Concen: 18.283 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	220717		
182	96.6	47.8	143.3	
145	29.1	14.2	42.6	

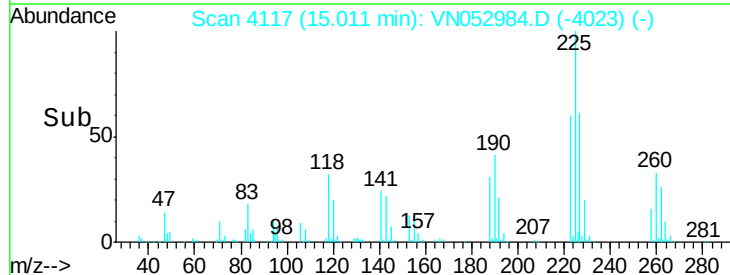
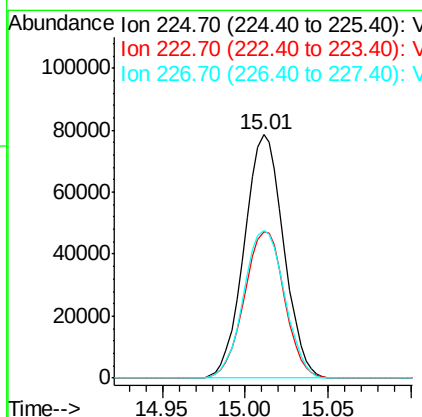
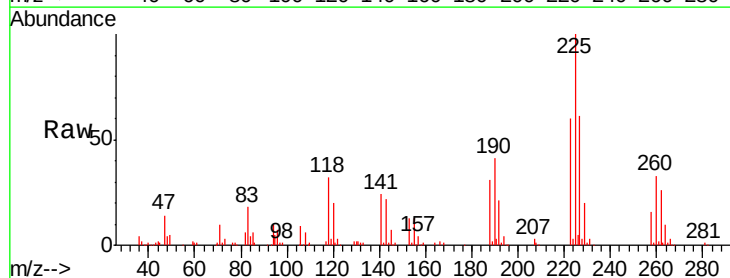
Manual Integrations
 APPROVED

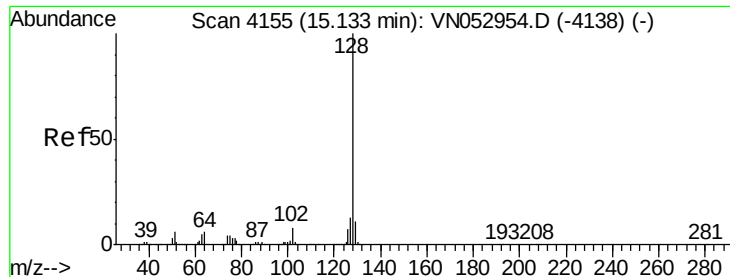
MMDadoda
 12/19/2018 12:08:08 PM



#94
 Hexachlorobutadiene
 Concen: 18.490 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052984.D
 Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129597		
223	61.3	31.5	94.5	
227	63.0	31.9	95.7	





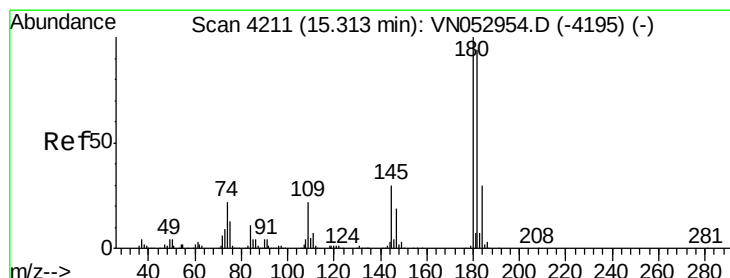
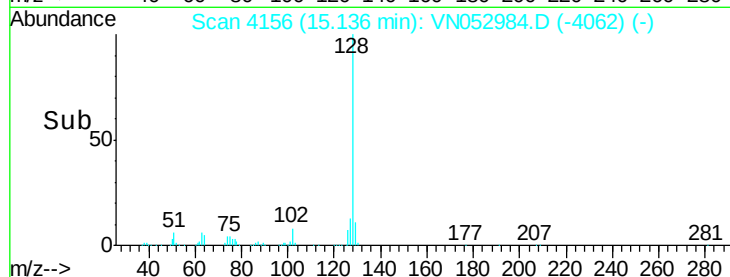
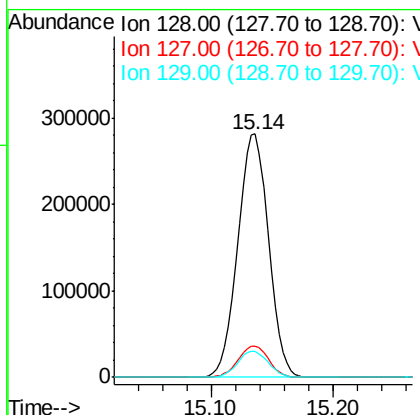
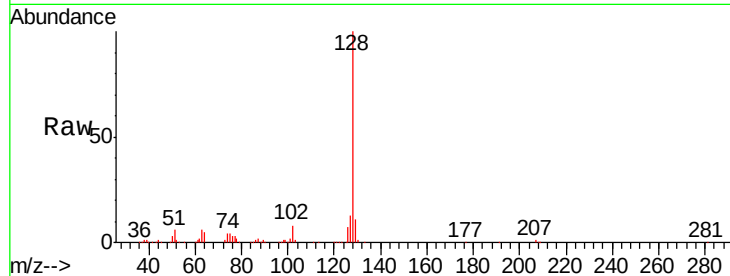
#95
Naphthalene
Concen: 18.866 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	489833		
127	12.8	10.2	15.4	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:08:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.546 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052984.D
Acq: 19 Dec 2018 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202331		
182	95.8	47.9	143.7	
145	30.8	15.0	45.0	

