

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053095.D
 Acq On : 21 Dec 2018 10:44
 Operator : MD\SY
 Sample : VN1221WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:13 AM

Quant Time: Dec 22 01:02:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	166404	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	984391	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	876105	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325429	28.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.67%
60) 4-Bromofluorobenzene	12.40	95	403731	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	10.09	98	1159988	28.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	175381	18.505	ug/l 100
3) Chloromethane	2.06	50	230477	18.337	ug/l 100
4) Vinyl Chloride	2.19	62	240042	18.922	ug/l 97
5) Bromomethane	2.58	94	159088	21.994	ug/l 99
6) Chloroethane	2.71	64	148778	19.721	ug/l 98
7) Trichlorofluoromethane	3.03	101	314342	20.078	ug/l 98
8) Diethyl Ether	3.42	74	126085	21.810	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203086	20.463	ug/l 97
10) 1,1-Dichloroethene	3.74	96	191851	20.559	ug/l 96
11) Methyl Iodide	3.96	142	233377	18.013	ug/l 100
12) Methyl Acetate	4.33	43	183972	23.203	ug/l 99
13) Acrolein	3.61	56	83495	89.649	ug/l 98
14) Acrylonitrile	4.99	53	388524	115.006	ug/l 98
15) Acetone	3.82	58	84351	96.412	ug/l 92
16) Carbon Disulfide	4.06	76	532424	18.022	ug/l 100
17) Allyl chloride	4.33	41	301420	18.522	ug/l 98
18) Methylene Chloride	4.55	84	226942	21.004	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	207907	20.703	ug/l 95
20) Diisopropyl ether	5.95	45	702885	20.553	ug/l 95
21) 1,1-Dichloroethane	5.85	63	398054	20.421	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	248270	21.571	ug/l 96
23) tert-Butyl Alcohol	4.78	59	71158	141.593	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	574684	23.475	ug/l 96
25) Chloroform	7.37	83	393331	20.917	ug/l 98
26) Cyclohexane	7.66	56	349918	19.034	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	301286	20.042	ug/l 98
30) 2-Butanone	6.84	43	434118	107.923	ug/l 96
31) 2,2-Dichloropropane	6.83	77	298540	21.572	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	328759	21.018	ug/l 96
33) Carbon Tetrachloride	7.78	117	277671	20.288	ug/l 98
34) Benzene	8.04	78	922771	20.417	ug/l 98
35) Methacrylonitrile	7.17	41	124735	24.993	ug/l 95
36) 1,2-Dichloroethane	8.13	62	278897	20.364	ug/l 98
37) Trichloroethene	8.84	130	249416	21.763	ug/l 96
38) Methylcyclohexane	9.08	83	342110	18.384	ug/l 96
39) 1,2-Dichloropropane	9.12	63	246645	20.358	ug/l 95
40) Dibromomethane	9.21	93	142502	21.766	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	297217	20.548	ug/l	99
42) Vinyl Acetate	5.90	43	2164616	99.457	ug/l	97
43) Ethyl Acetate	6.84	43	434118	50.754	ug/l	100
44) Isopropyl Acetate	8.17	43	363168	24.209	ug/l	98
45) 1,4-Dioxane	9.20	88	43575	530.980	ug/l	91
46) Methyl methacrylate	9.20	41	175622	22.548	ug/l	96
47) n-amyl Acetate	12.07	43	312093	25.092	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	305998	21.818	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	356554	20.866	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	210459	22.678	ug/l	99
51) Ethyl methacrylate	10.43	69	280198	24.040	ug/l	94
52) 1,3-Dichloropropane	10.71	76	357907	21.667	ug/l	99
53) Dibromochloromethane	10.90	129	226024	22.122	ug/l	97
54) 1,2-Dibromoethane	11.01	107	209368	23.088	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	791262	115.976	ug/l	98
56) Bromoform	12.13	173	157131	23.528	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1008675	118.757	ug/l	97
59) 2-Hexanone	10.75	43	687328	118.462	ug/l	96
61) Tetrachloroethene	10.63	164	266708	24.717	ug/l	96
62) Toluene	10.16	91	999059	20.686	ug/l	100
64) Chlorobenzene	11.44	112	632265	21.448	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	223807	21.872	ug/l	99
66) Ethyl Benzene	11.51	91	1091392	20.967	ug/l	99
67) m/p-Xylenes	11.62	106	818468	42.205	ug/l	98
68) o-Xylene	11.95	106	408929	21.726	ug/l	98
69) Styrene	11.96	104	659871	21.720	ug/l	99
70) Isopropylbenzene	12.25	105	1070822	21.382	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	249077	22.864	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	215826m	23.079	ug/l	
73) Bromobenzene	12.53	156	273986	22.620	ug/l	95
74) n-propylbenzene	12.59	91	1187337	20.348	ug/l	99
75) 2-Chlorotoluene	12.68	91	713784	21.074	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	840086	20.768	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	68623	23.229	ug/l	97
78) 4-Chlorotoluene	12.77	91	709448	20.975	ug/l	99
79) tert-butylbenzene	12.99	119	753917	21.401	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	837457	20.690	ug/l	99
81) sec-Butylbenzene	13.17	105	975101	19.873	ug/l	100
82) p-Isopropyltoluene	13.29	119	832876	19.934	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	449878	21.118	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	444225	21.583	ug/l	98
85) n-Butylbenzene	13.62	91	656067	18.280	ug/l	99
86) Hexachloroethane	13.88	117	131062	18.513	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	434167	21.417	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33810	22.156	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	201815	20.207	ug/l	99
90) Hexachlorobutadiene	15.01	225	126495	19.307	ug/l	99
91) Naphthalene	15.13	128	443200	21.974	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	185695	20.175	ug/l	99

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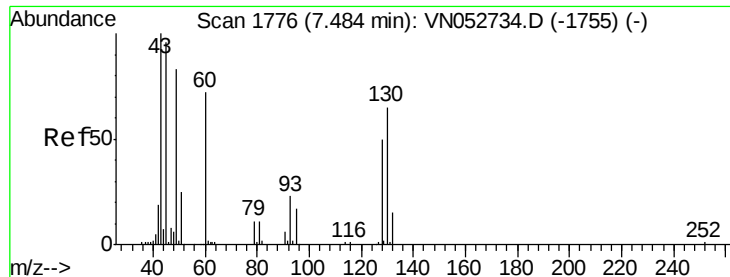
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

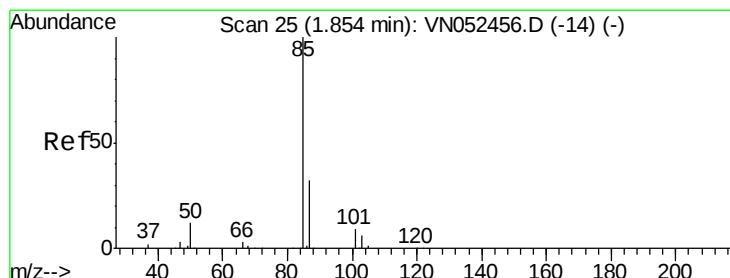
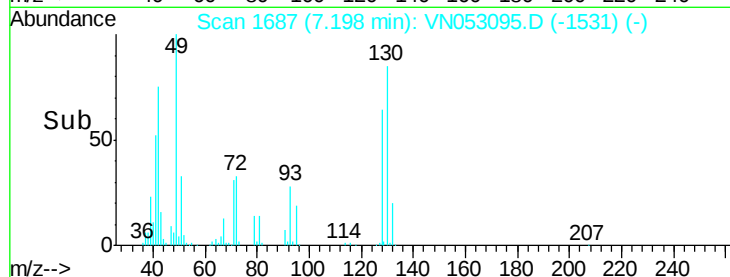
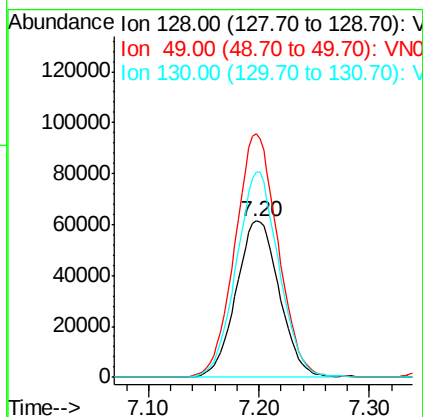
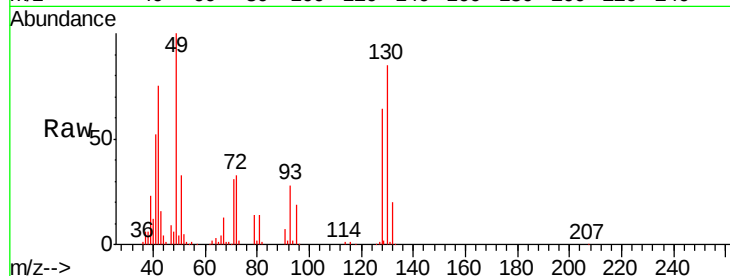
ClientSampleId :

VN1221WBS01

Tgt Ion:	128	Resp:	166404
Ion Ratio	Lower	Upper	
128	100		
49	155.3	0.0	431.8
130	129.5	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 18.505 ug/l

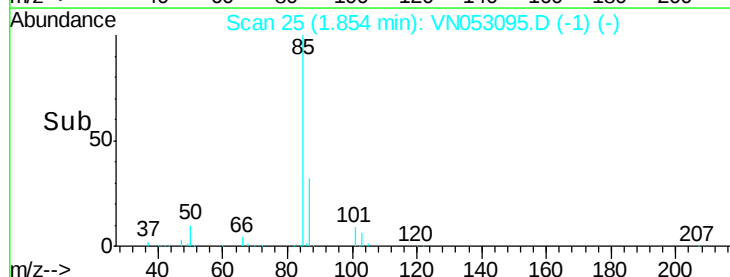
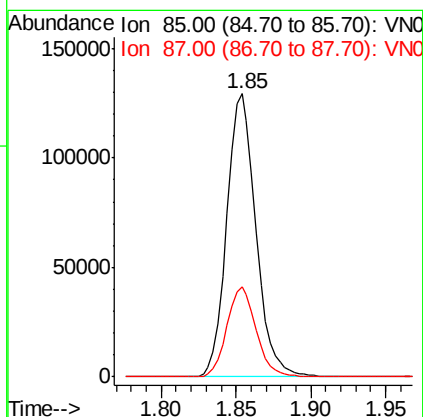
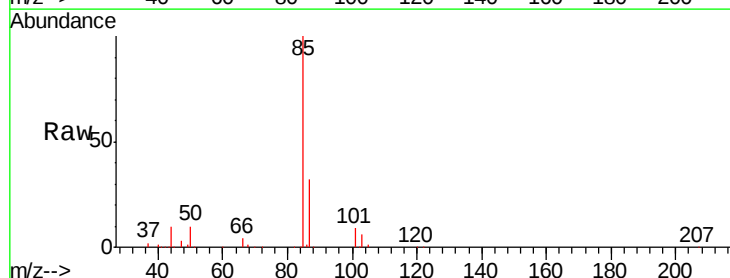
RT: 1.85 min Scan# 25

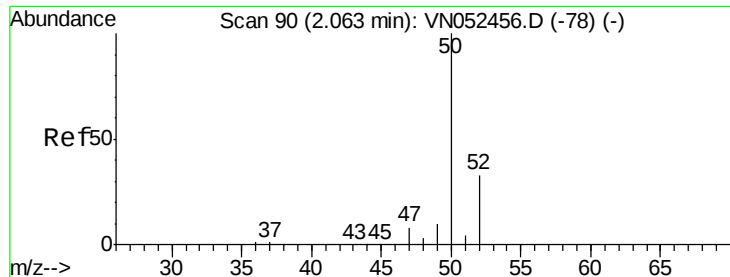
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	85	Resp:	175381
Ion Ratio	Lower	Upper	
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 18.337 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

Tgt Ion: 50 Resp: 230477

Ion Ratio Lower Upper

50 100

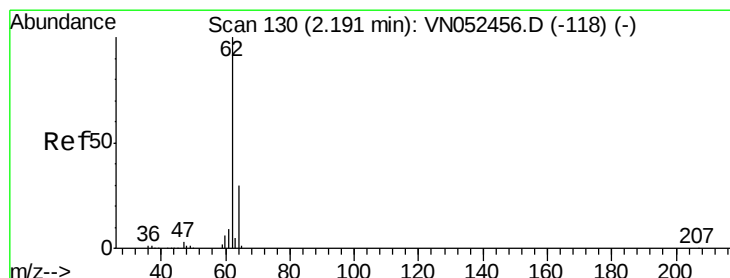
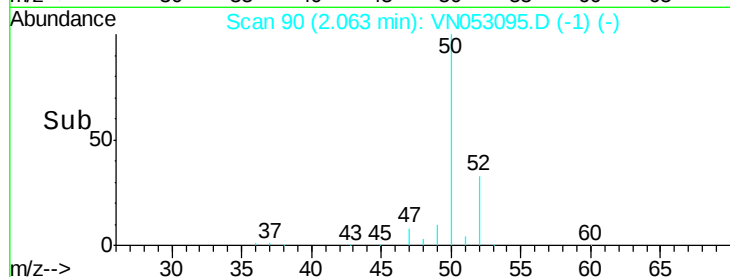
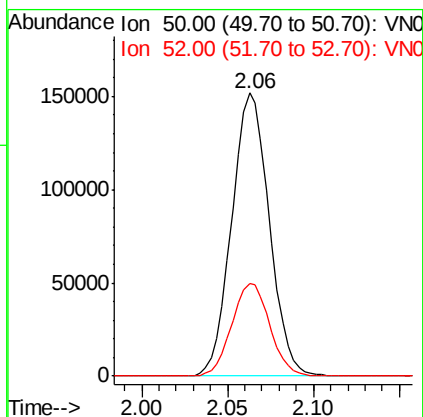
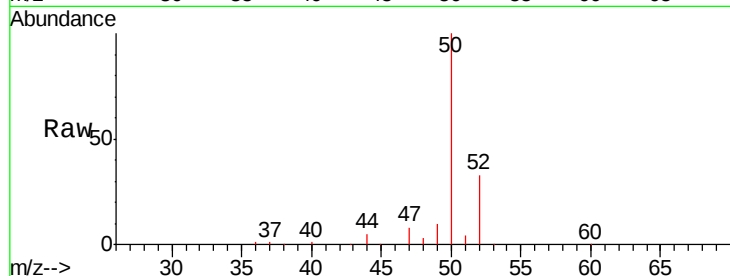
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.922 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053095.D

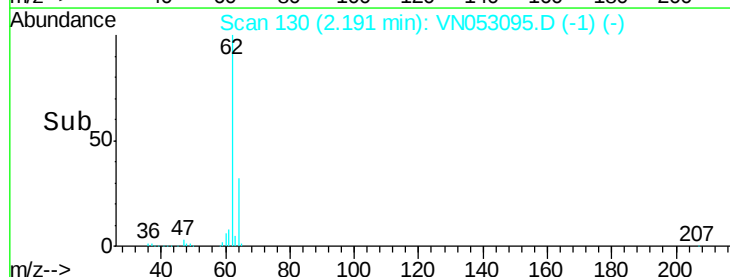
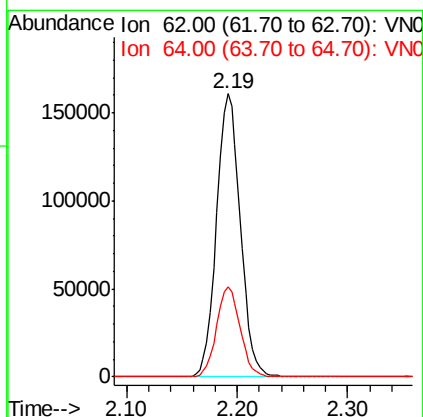
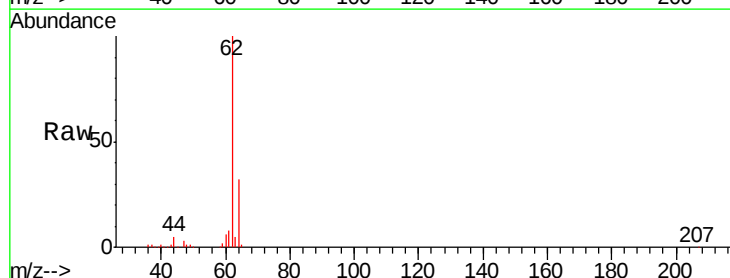
Acq: 21 Dec 2018 10:44

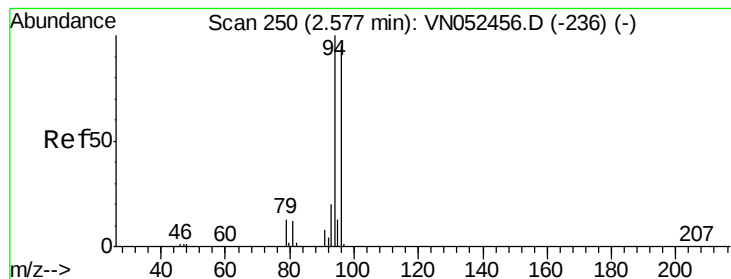
Tgt Ion: 62 Resp: 240042

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 21.994 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

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ClientSampleId :

VN1221WBS01

Tgt Ion: 94 Resp: 159088

Ion Ratio Lower Upper

94 100

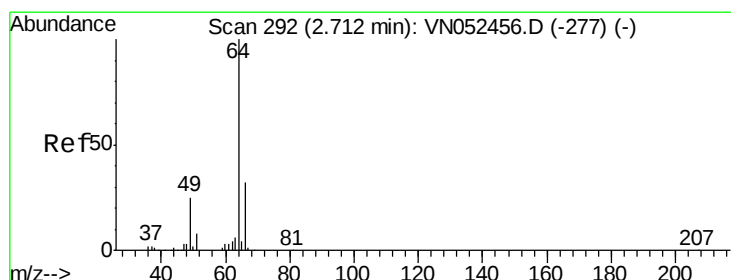
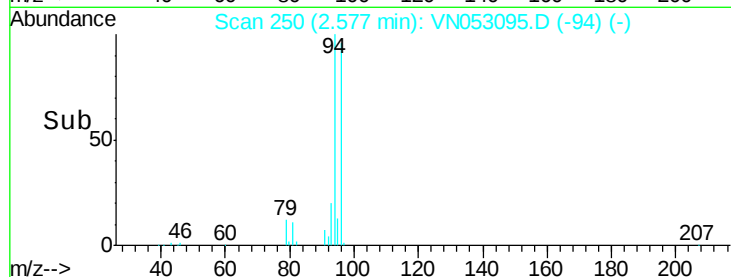
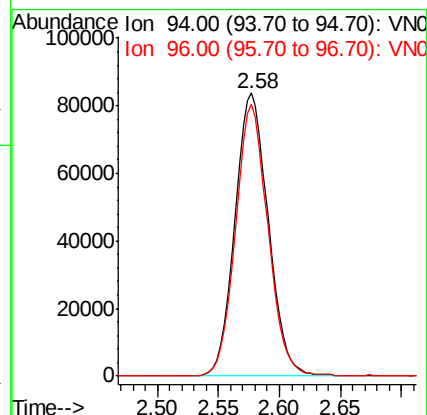
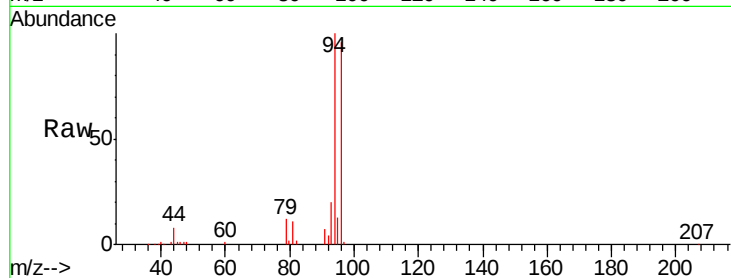
96 96.0 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.721 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053095.D

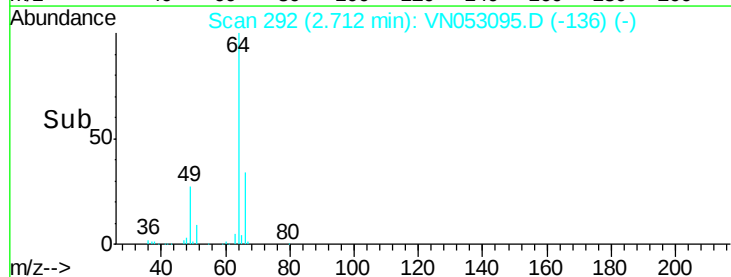
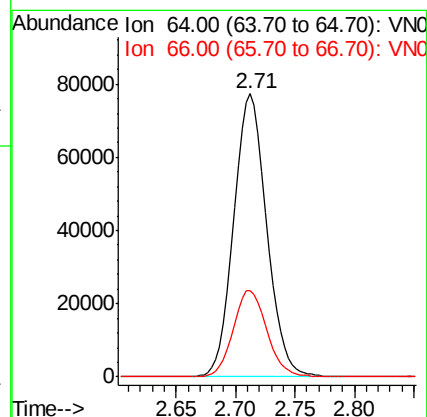
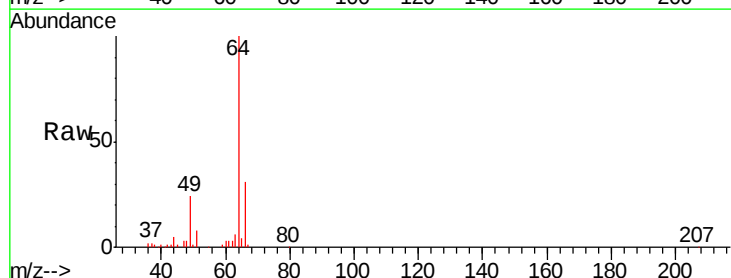
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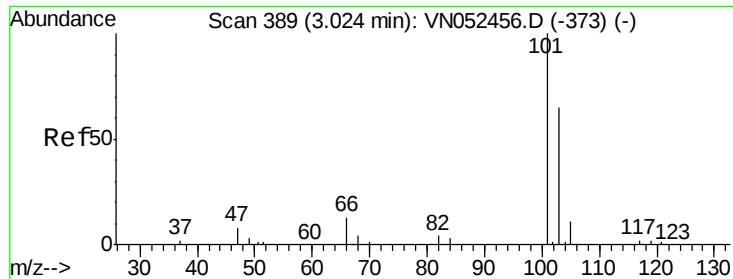
Tgt Ion: 64 Resp: 148778

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4





#7

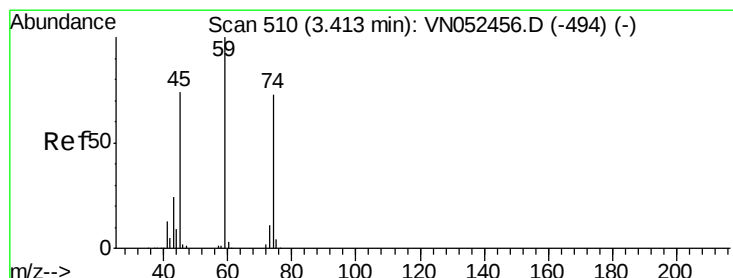
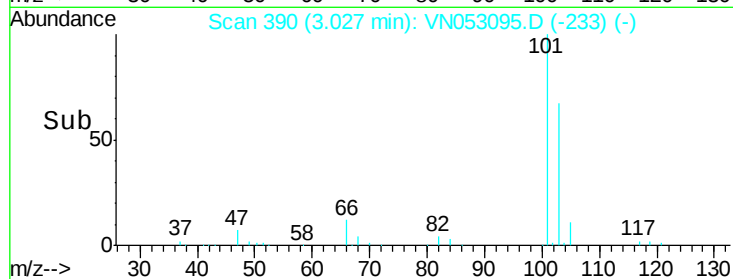
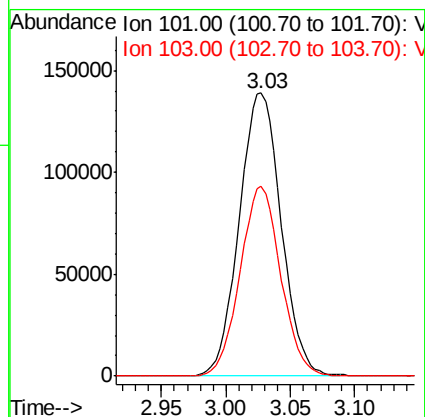
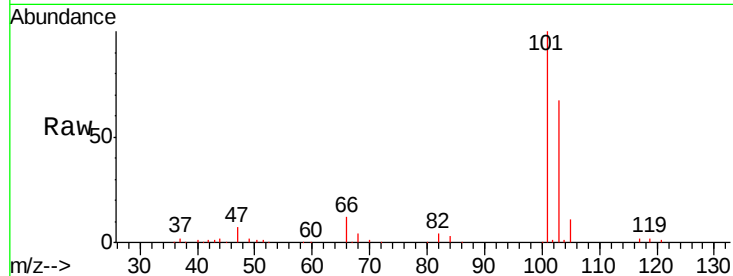
Trichlorofluoromethane
 Concen: 20.078 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
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 VN1221WBS01

Tgt Ion: 101 Resp: 314342
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.1 78.1

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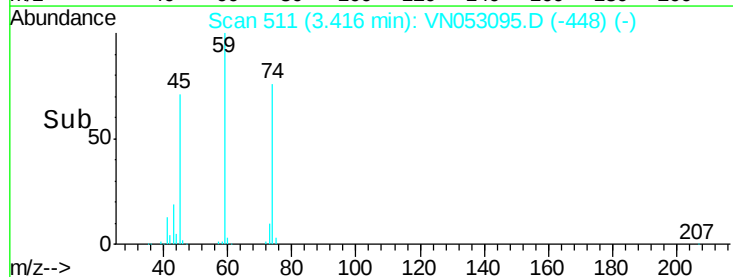
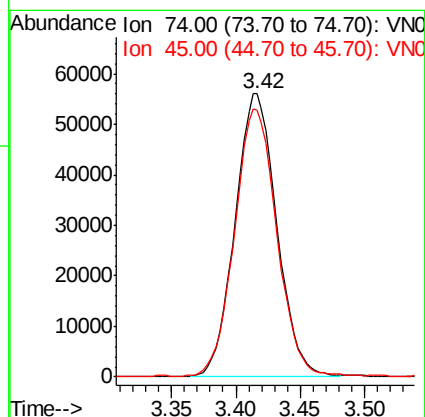
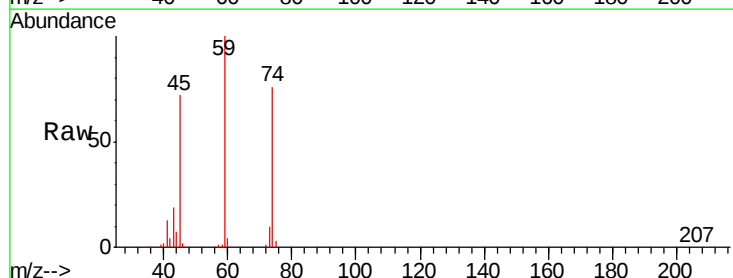
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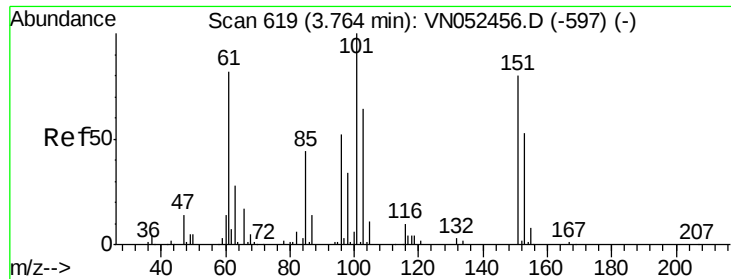


#8

Diethyl Ether
 Concen: 21.810 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion: 74 Resp: 126085
 Ion Ratio Lower Upper
 74 100
 45 95.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.463 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

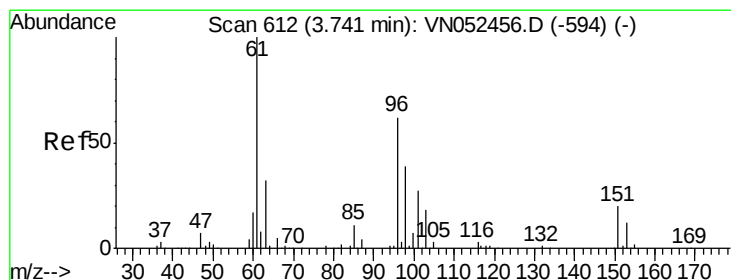
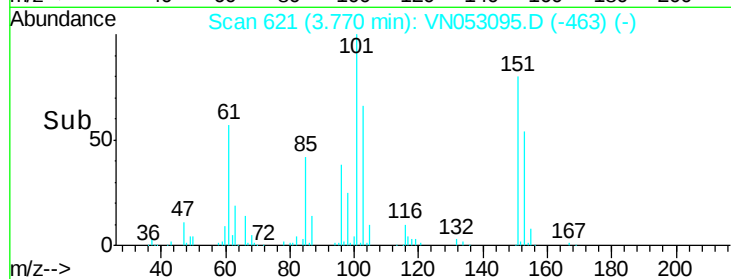
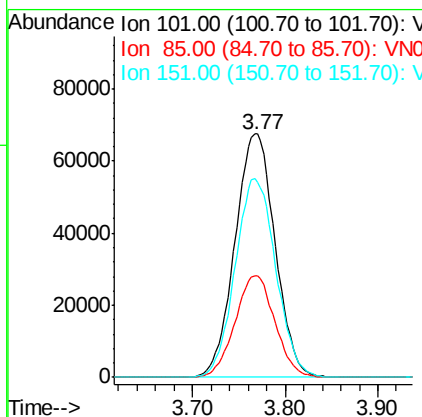
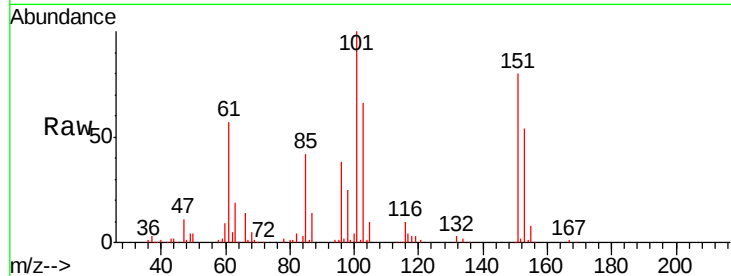
ClientSampleId :

VN1221WBS01

Tgt Ion:	101	Resp:	203086
Ion Ratio	Lower	Upper	
101	100		
85	41.4	0.0	82.6
151	82.7	0.0	158.4

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12/22/2018 10:06:13 AM



#10

1,1-Dichloroethene

Concen: 20.559 ug/l

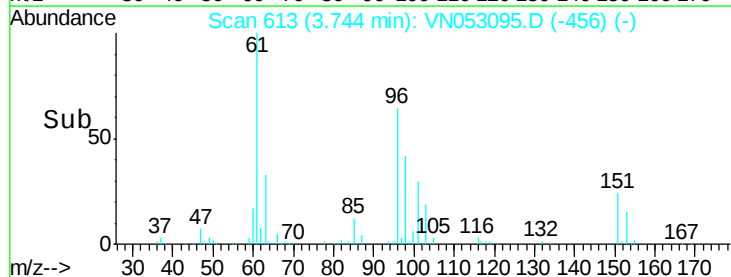
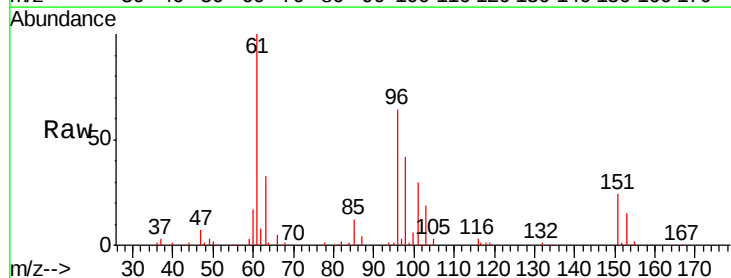
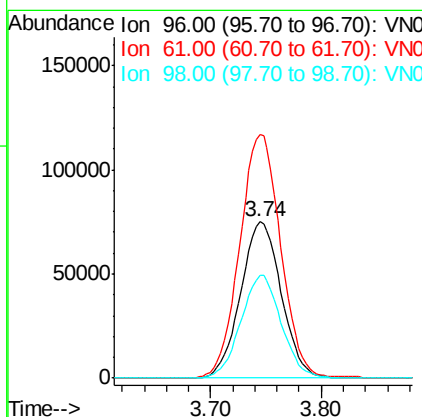
RT: 3.74 min Scan# 613

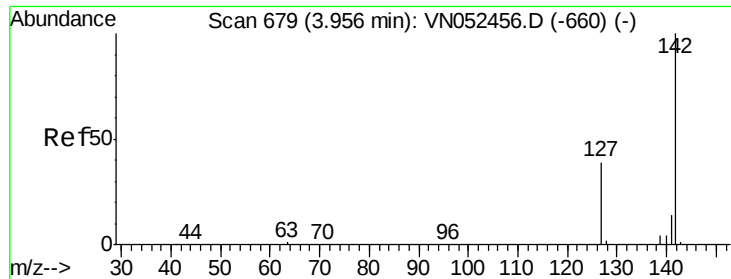
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	96	Resp:	191851
Ion Ratio	Lower	Upper	
96	100		
61	156.0	129.4	194.2
98	65.6	50.4	75.6





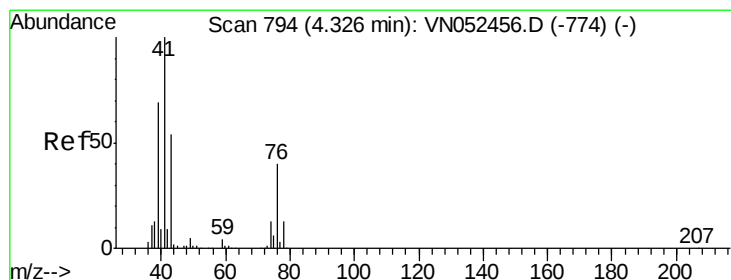
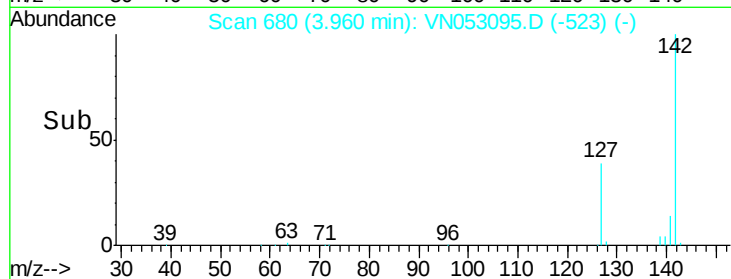
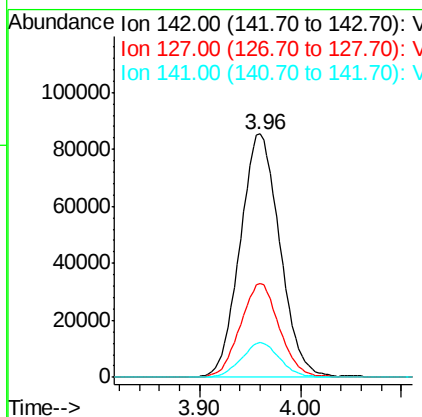
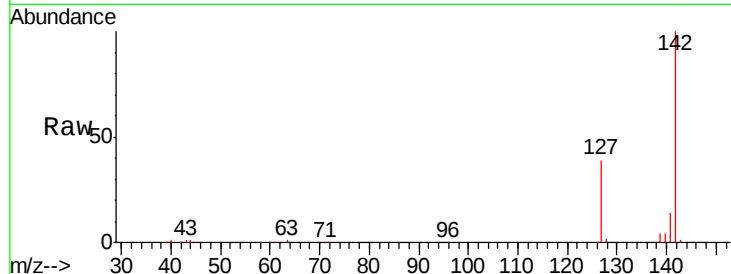
#11
Methyl Iodide
Concen: 18.013 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.8	19.4	58.1
141	14.4	7.2	21.6

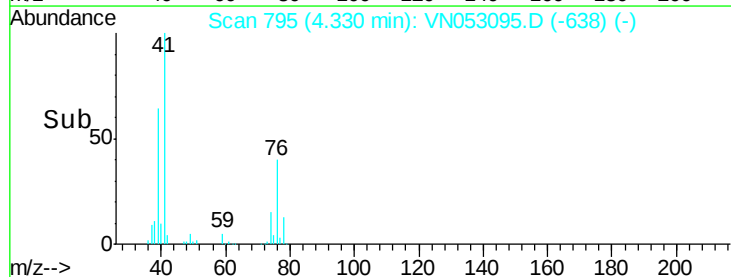
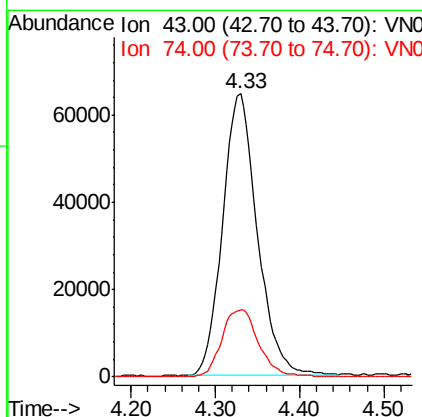
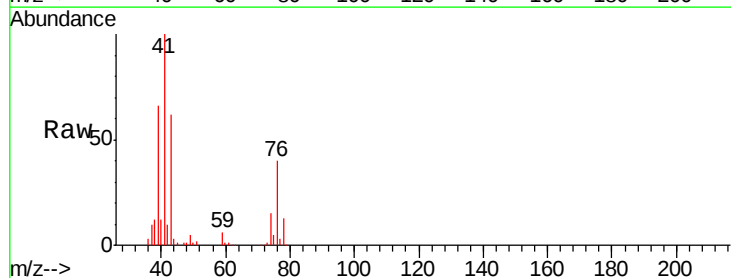
Manual Integrations
APPROVED

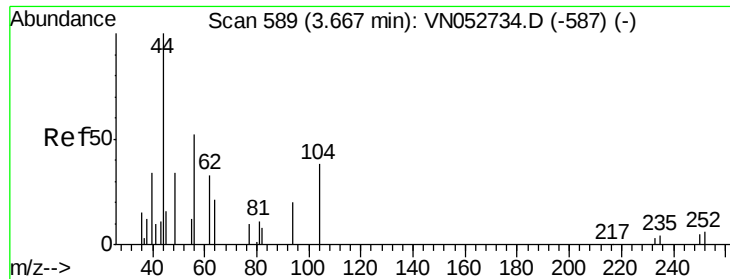
MMDadoda
12/22/2018 10:06:13 AM



#12
Methyl Acetate
Concen: 23.203 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3





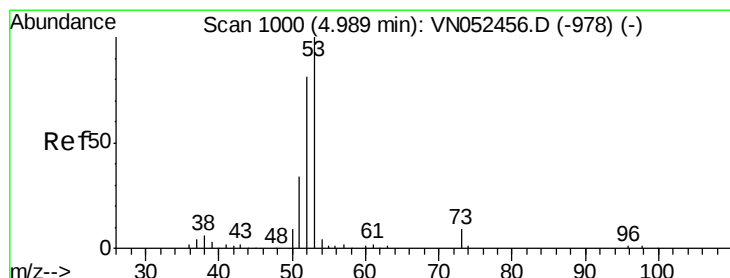
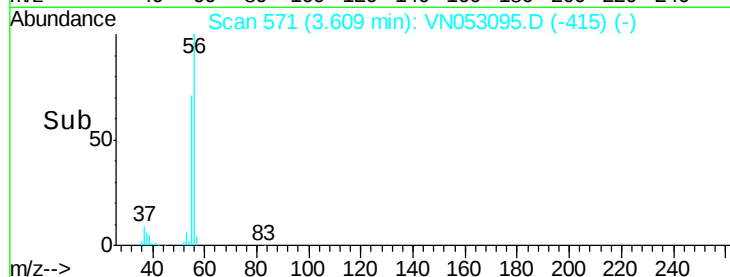
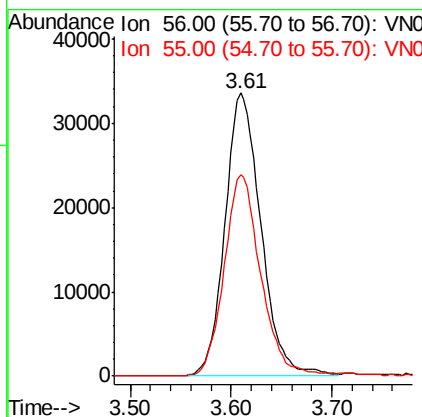
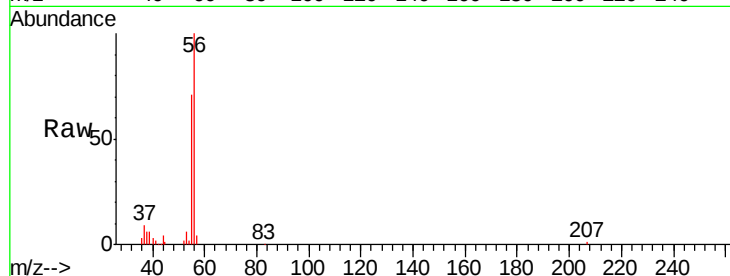
#13
Acrolein
Concen: 89.649 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion: 56 Resp: 83495
Ion Ratio Lower Upper
56 100
55 72.2 56.7 85.1

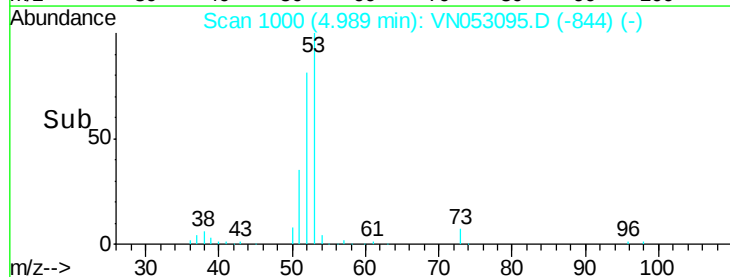
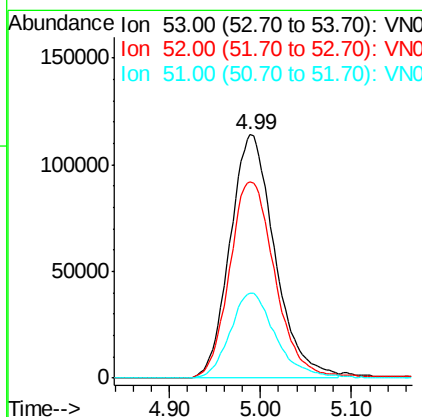
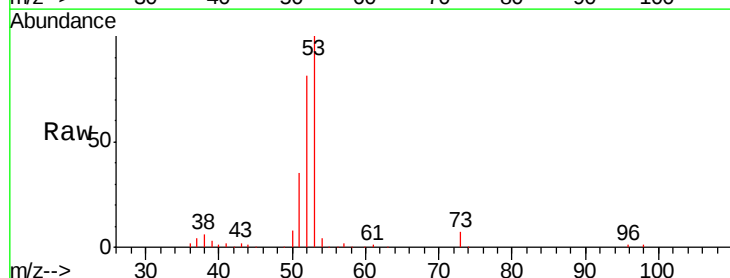
Manual Integrations
APPROVED

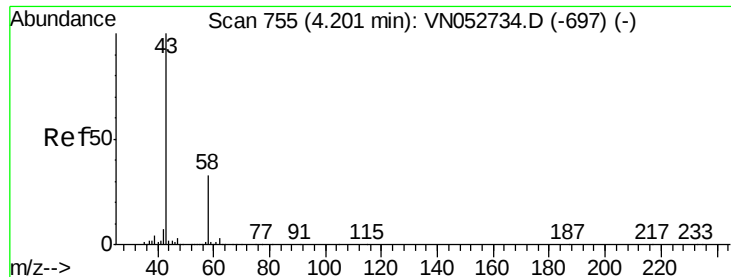
MMDadoda
12/22/2018 10:06:13 AM



#14
Acrylonitrile
Concen: 115.006 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion: 53 Resp: 388524
Ion Ratio Lower Upper
53 100
52 81.8 39.9 119.7
51 35.7 17.6 52.9





#15

Acetone

Concen: 96.412 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

Tgt Ion: 58 Resp: 84351

Ion Ratio Lower Upper

58 100

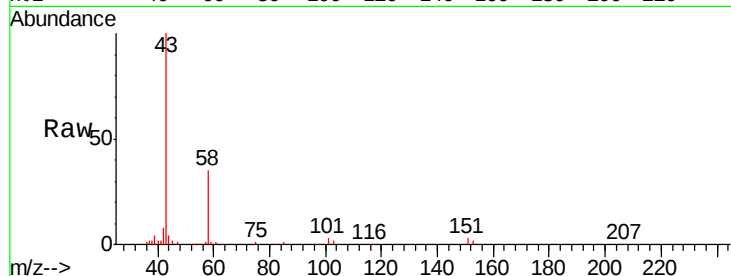
43 288.8 243.6 365.4

Manual Integrations

APPROVED

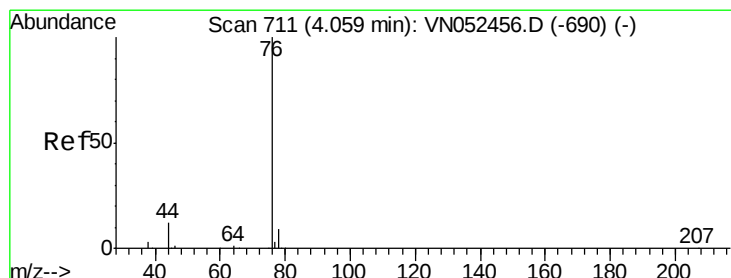
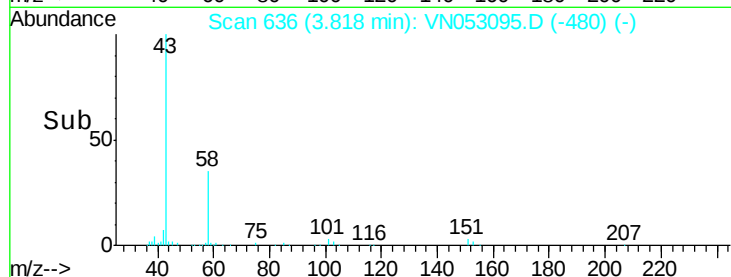
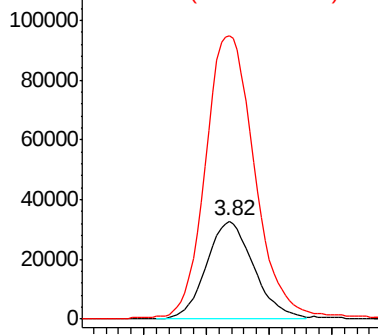
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.022 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053095.D

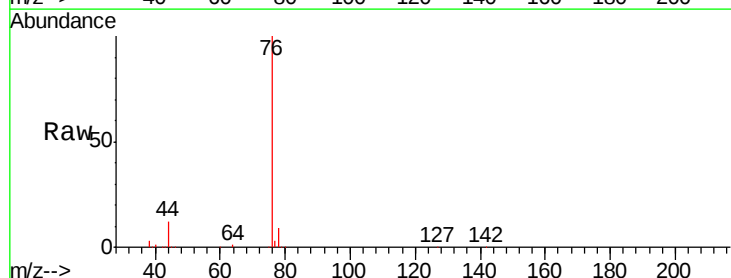
Acq: 21 Dec 2018 10:44

Tgt Ion: 76 Resp: 532424

Ion Ratio Lower Upper

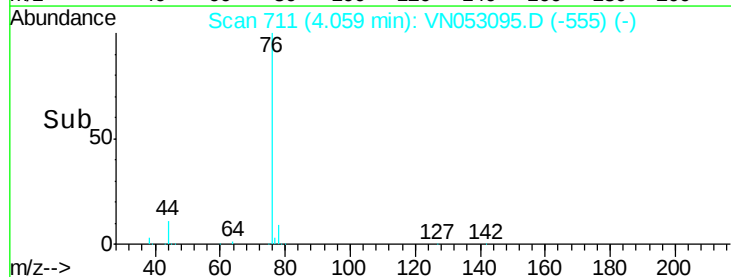
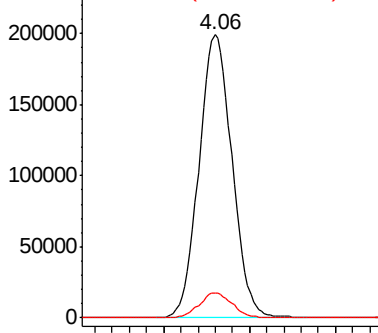
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





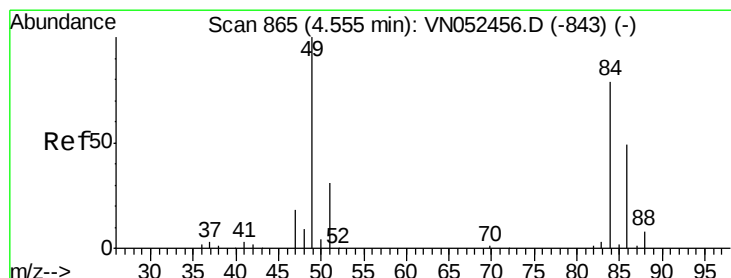
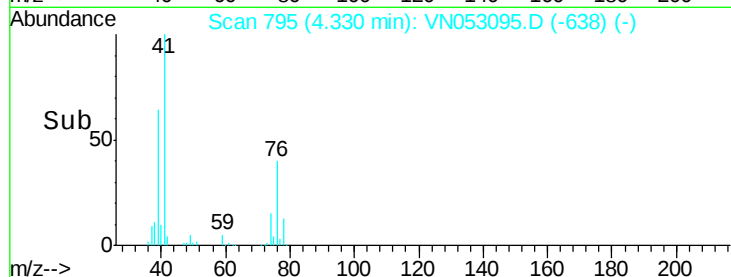
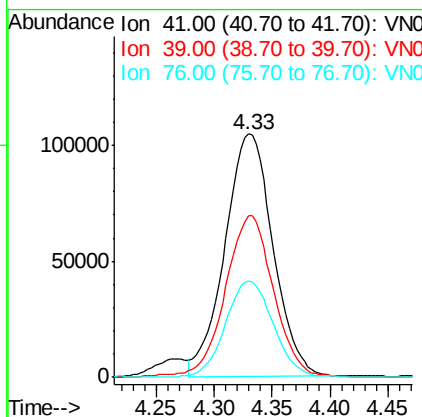
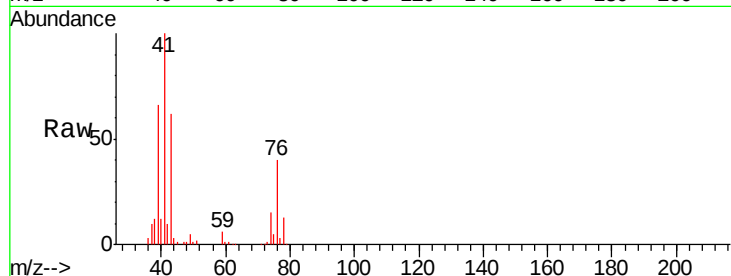
#17
 Allyl chloride
 Concen: 18.522 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	32.8	98.3
76	39.7	18.6	55.8

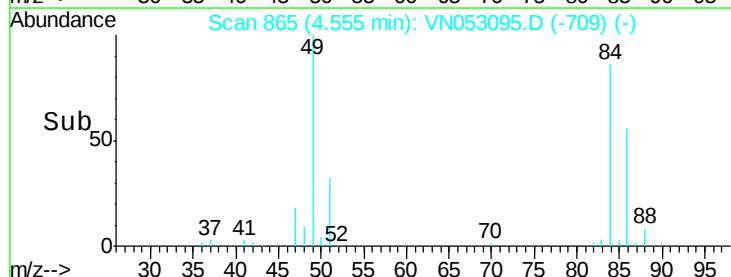
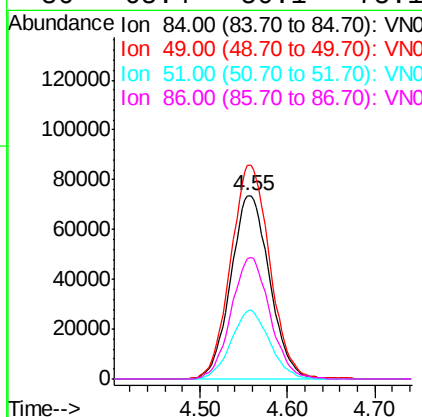
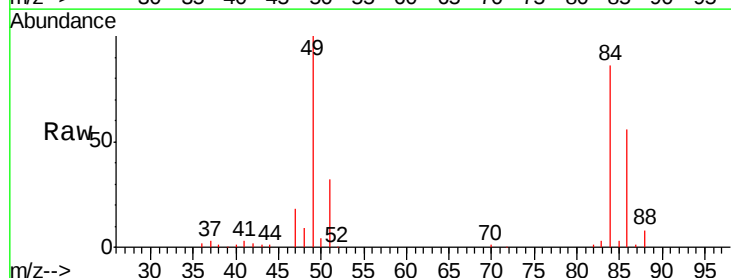
Manual Integrations
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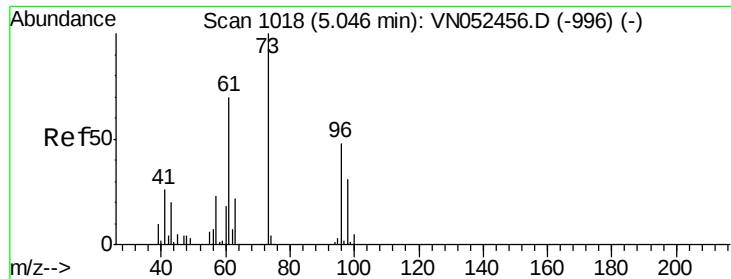
MMDadoda
 12/22/2018 10:06:13 AM



#18
 Methylene Chloride
 Concen: 21.004 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	101.4	152.0
51	37.3	31.7	47.5
86	65.4	50.1	75.1





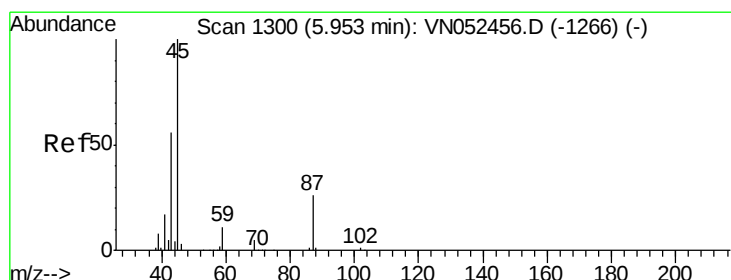
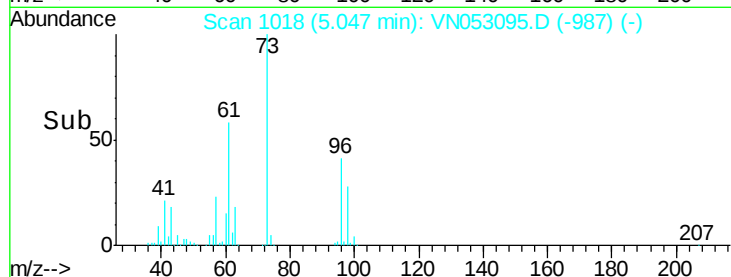
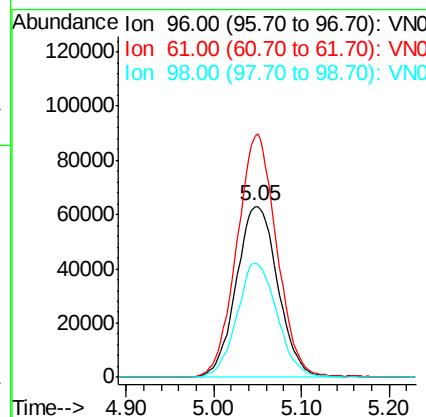
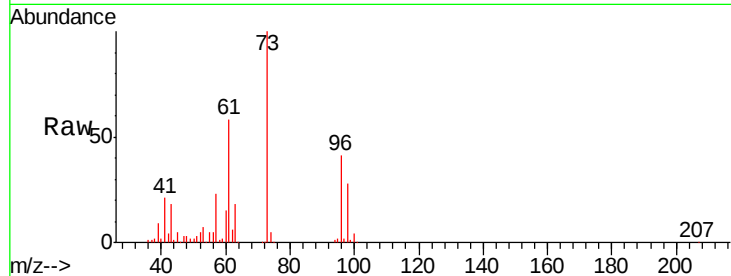
#19
trans-1,2-Dichloroethene
Concen: 20.703 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.1	118.2	177.4
98	67.1	51.4	77.2

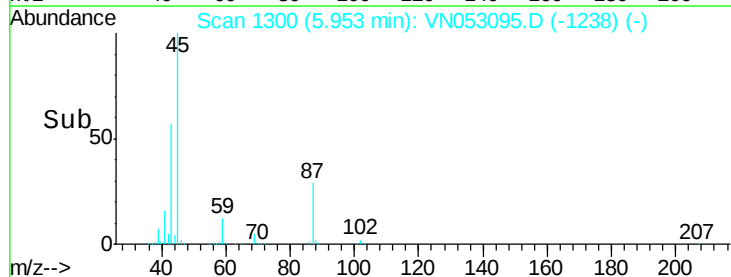
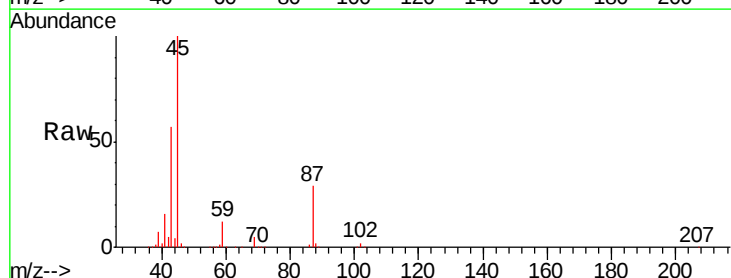
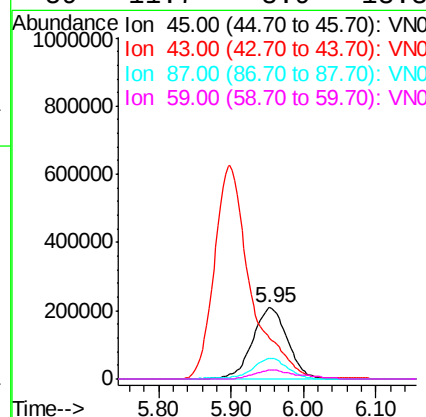
Manual Integrations
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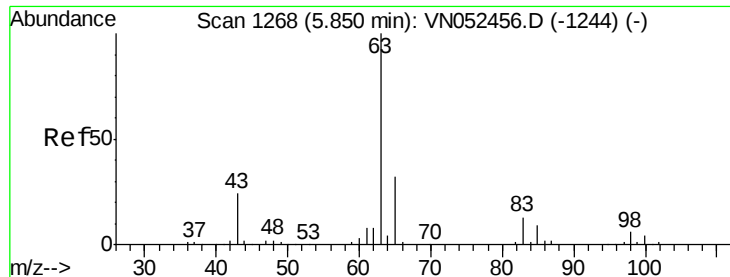
MMDadoda
12/22/2018 10:06:13 AM



#20
Diisopropyl ether
Concen: 20.553 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	47.8	71.8
87	29.1	21.3	31.9
59	11.7	8.9	13.3





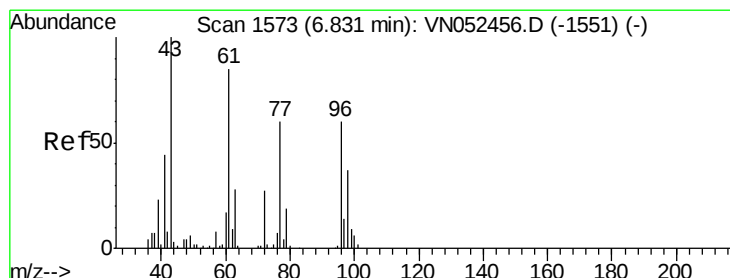
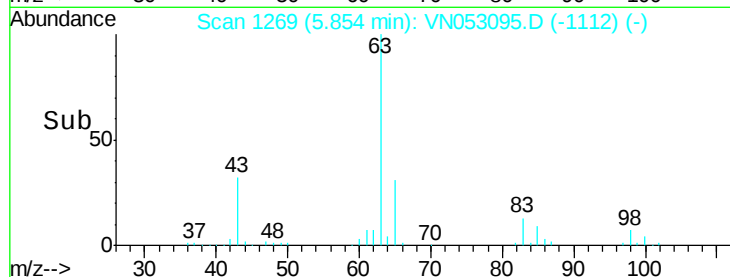
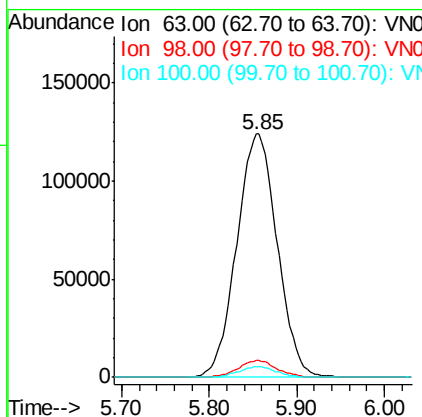
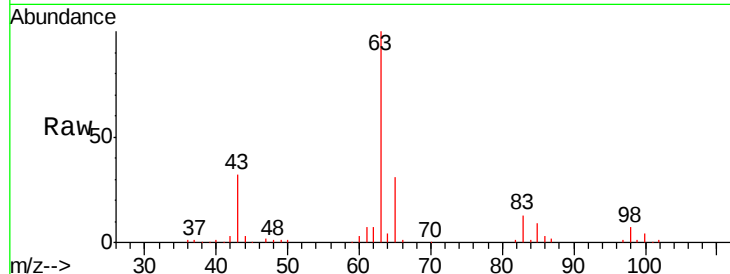
#21
 1,1-Dichloroethane
 Concen: 20.421 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	398054		
98	7.0	3.0	9.2	
100	4.2	1.8	5.5	

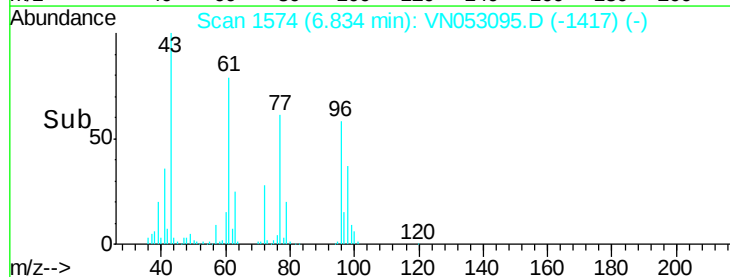
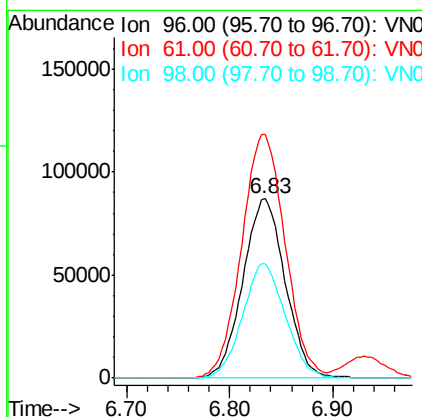
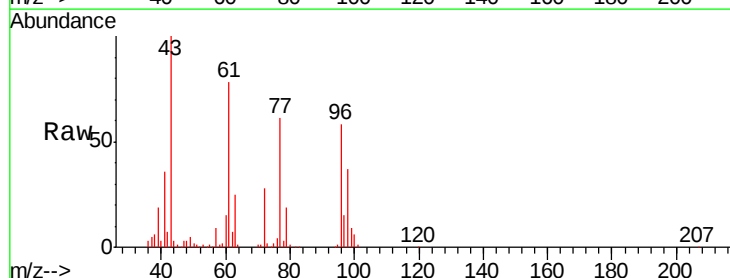
Manual Integrations
 APPROVED

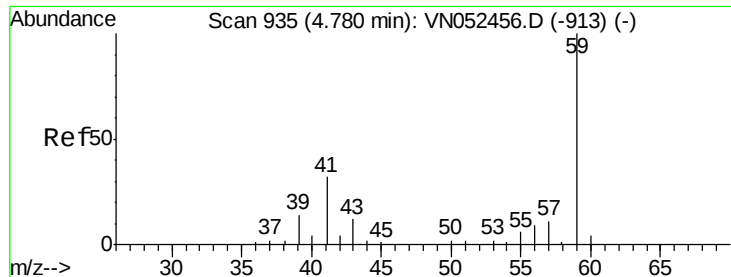
MMDadoda
 12/22/2018 10:06:13 AM



#22
 cis-1,2-Dichloroethene
 Concen: 21.571 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	248270		
61	139.9	116.7	175.1	
98	64.4	50.8	76.2	





#23

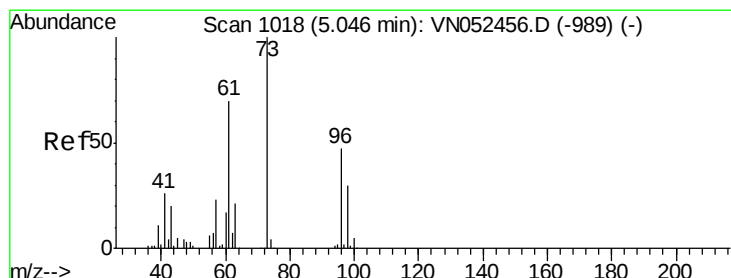
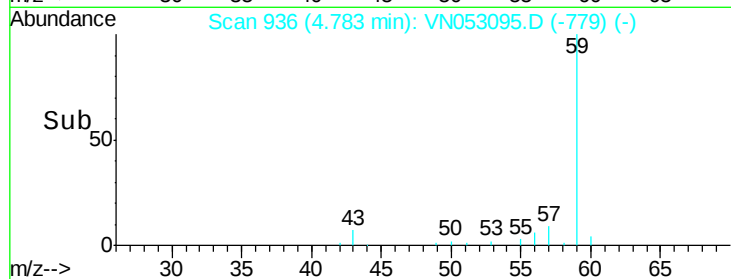
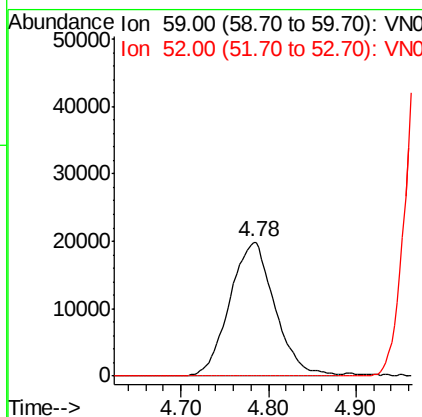
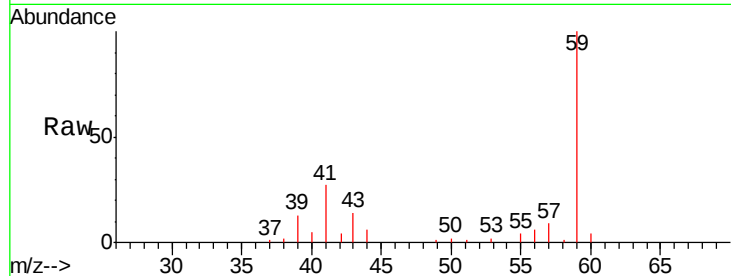
tert-Butyl Alcohol
 Concen: 141.593 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion: 59 Resp: 71158
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

Manual Integrations
 APPROVED

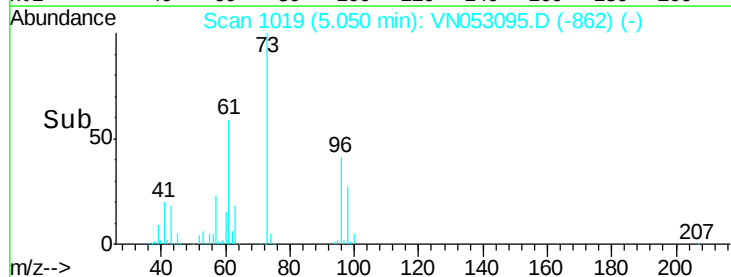
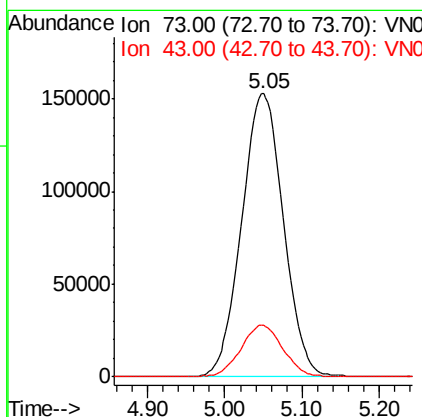
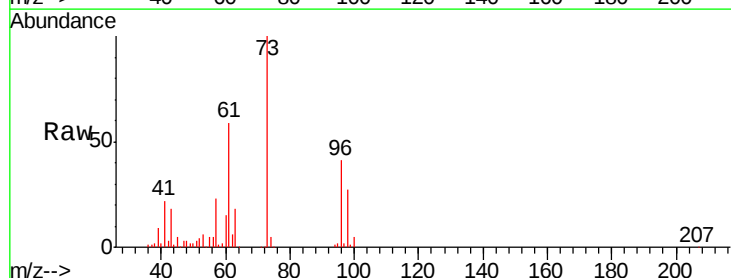
MMDadoda
 12/22/2018 10:06:13 AM

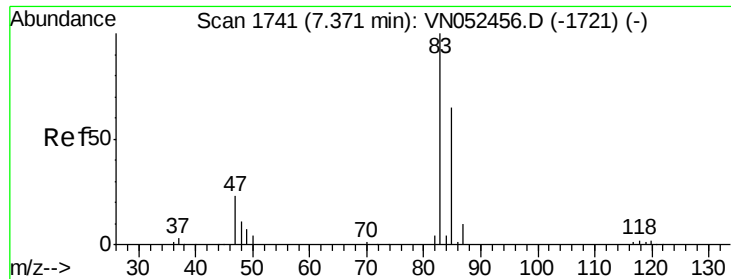


#24

Methyl tert-Butyl Ether
 Concen: 23.475 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion: 73 Resp: 574684
 Ion Ratio Lower Upper
 73 100
 43 17.9 15.8 23.8





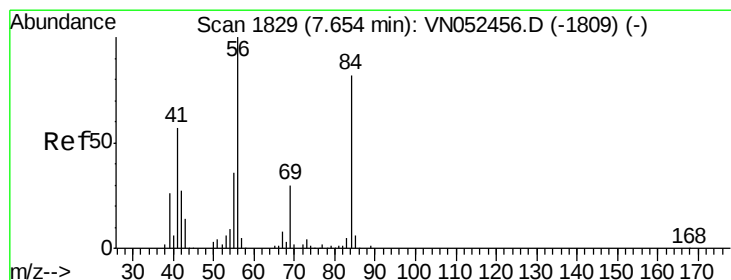
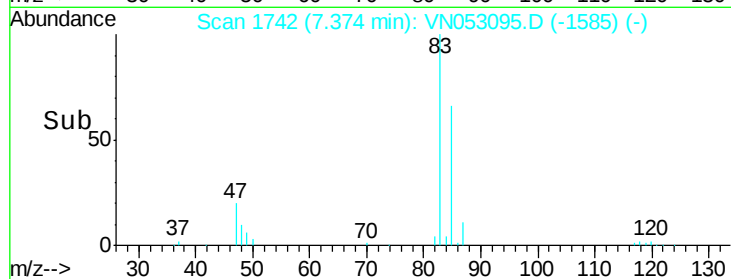
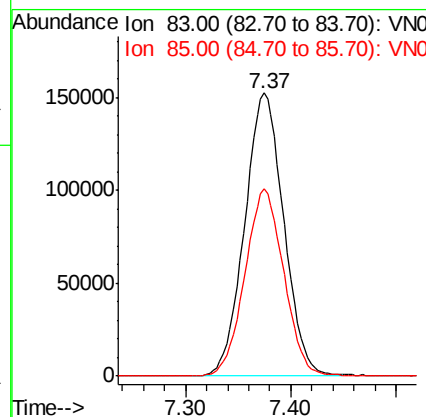
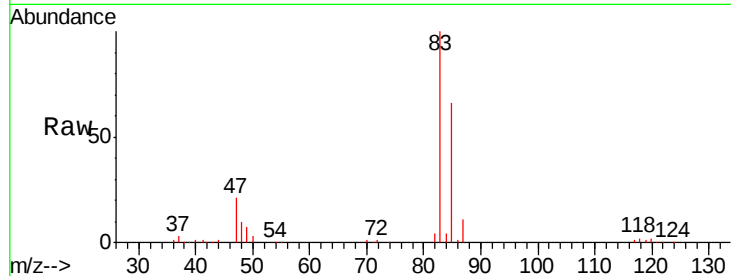
#25
Chloroform
Concen: 20.917 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion: 83 Resp: 393331
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5

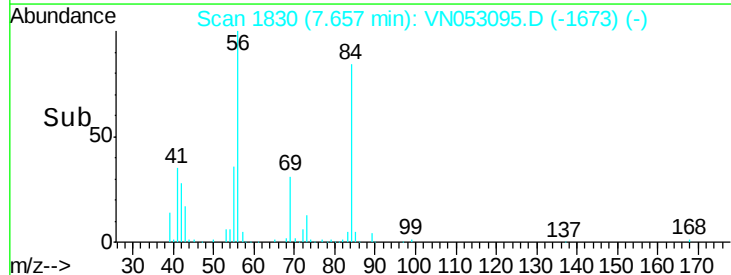
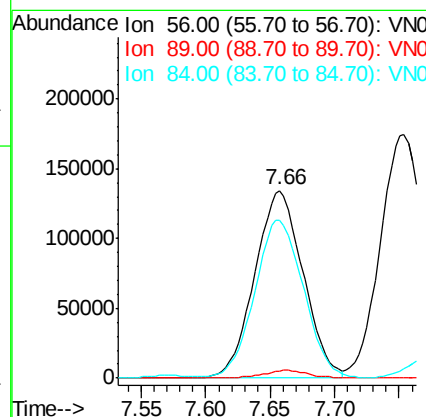
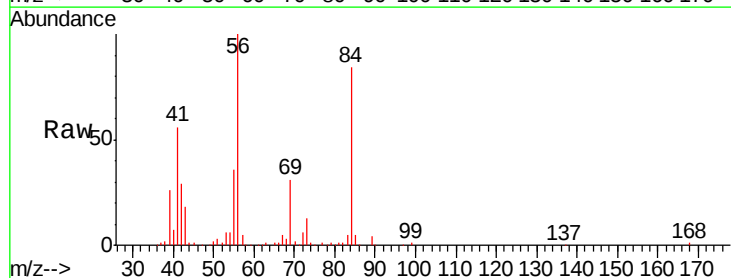
Manual Integrations
APPROVED

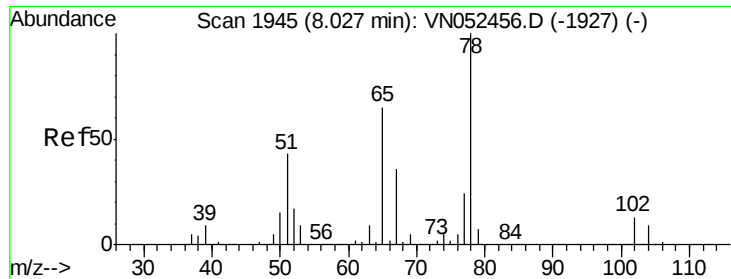
MMDadoda
12/22/2018 10:06:13 AM



#26
Cyclohexane
Concen: 19.034 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion: 56 Resp: 349918
Ion Ratio Lower Upper
56 100
89 3.8 0.5 0.7#
84 85.4 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 19.034 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

Tgt Ion: 65 Resp: 325429

Ion Ratio Lower Upper

65 100

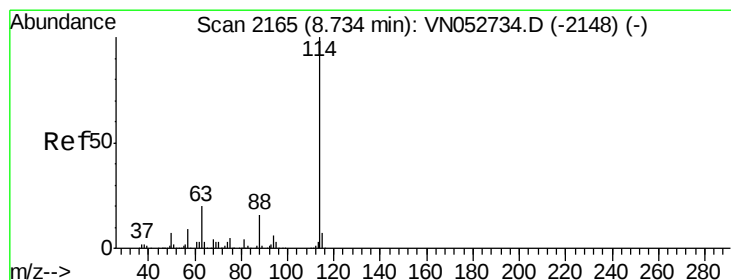
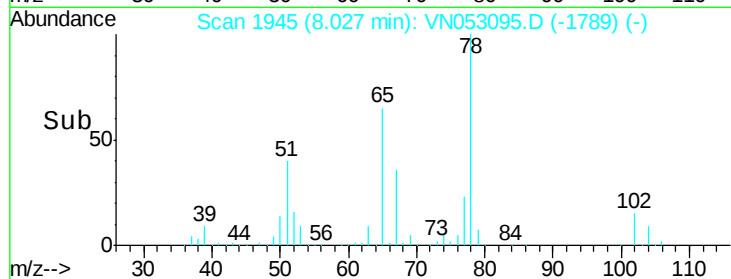
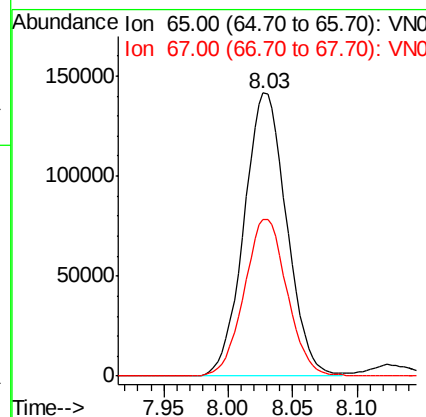
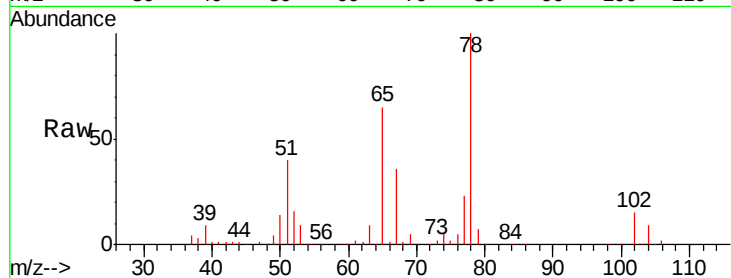
67 56.0 44.6 66.8

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

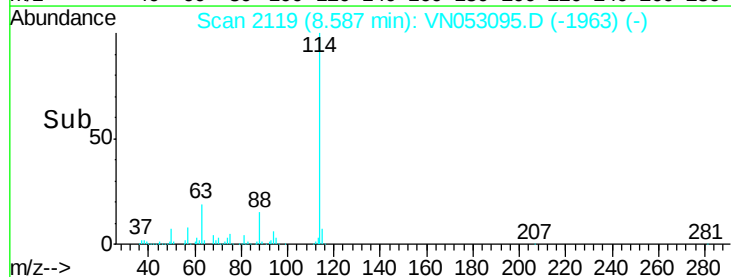
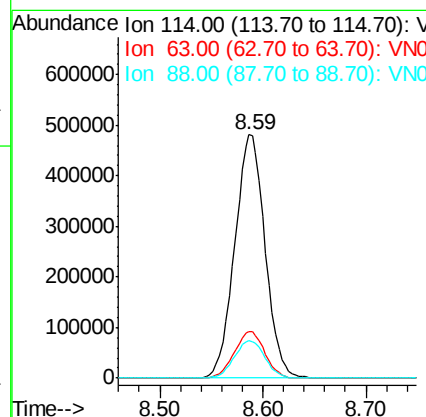
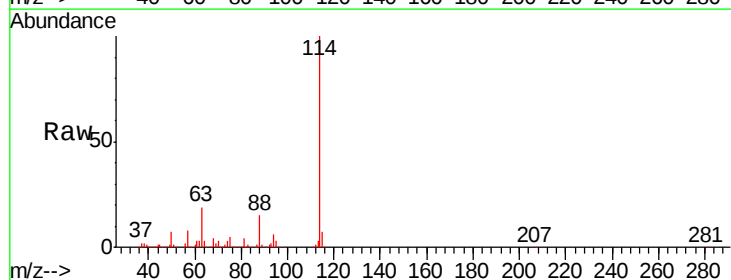
Tgt Ion: 114 Resp: 984391

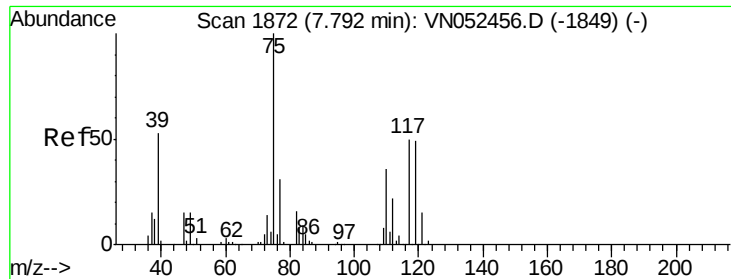
Ion Ratio Lower Upper

114 100

63 19.4 16.9 25.3

88 15.6 12.8 19.2





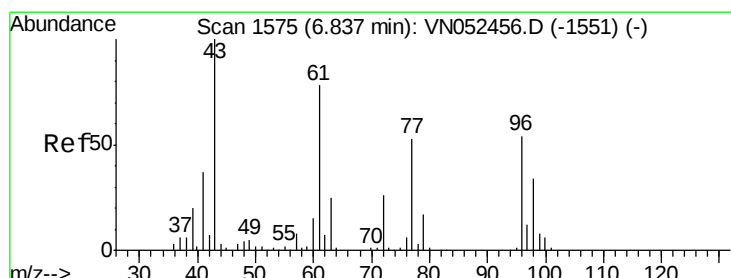
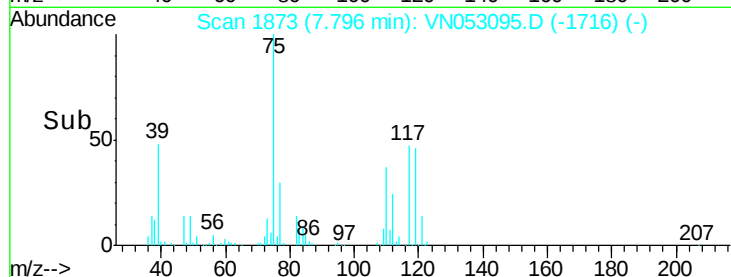
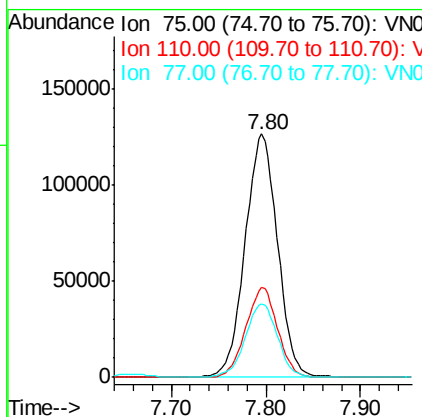
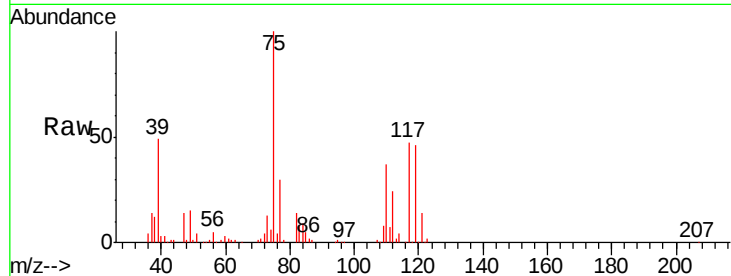
#29
 1,1-Dichloropropene
 Concen: 20.042 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	36.1	0.0	70.2
77	30.1	0.0	62.6

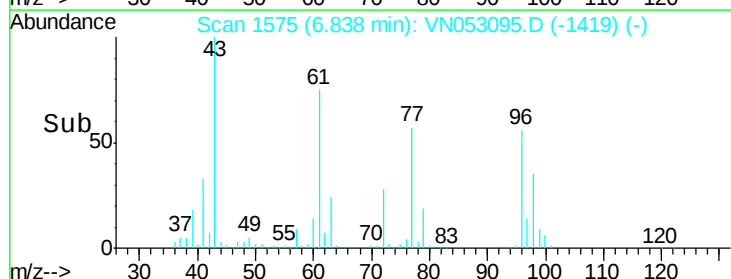
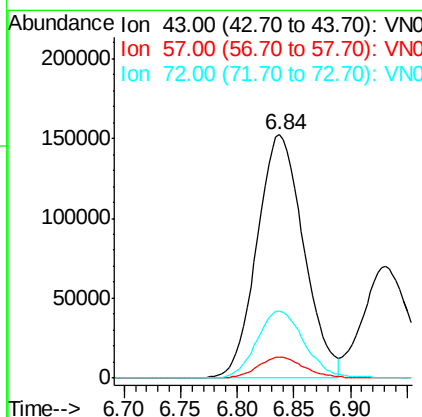
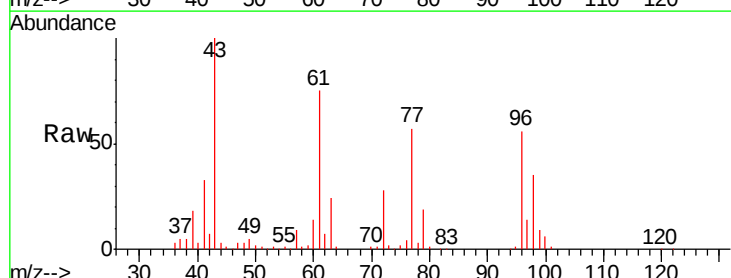
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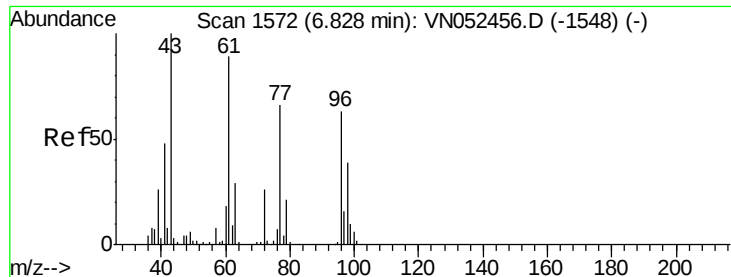
MMDadoda
 12/22/2018 10:06:13 AM



#30
 2-Butanone
 Concen: 107.923 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.6	6.2	9.4
72	28.3	21.0	31.6





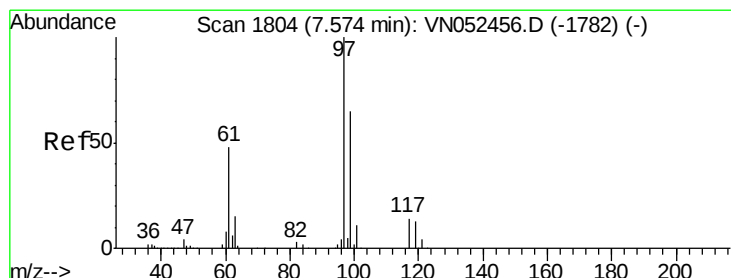
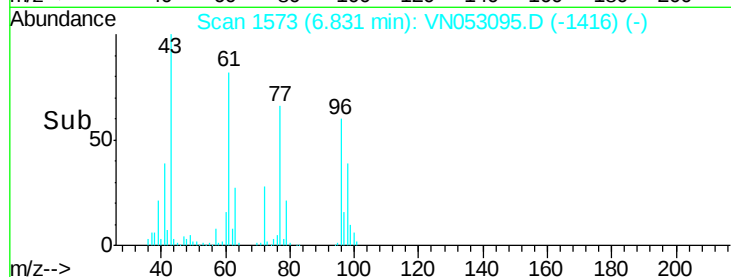
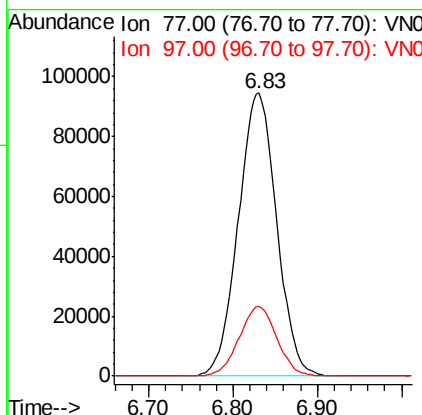
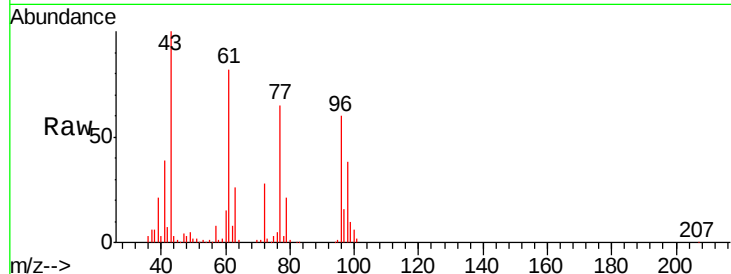
#31
 2,2-Dichloropropane
 Concen: 21.572 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion: 77 Resp: 298540
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.7 28.1

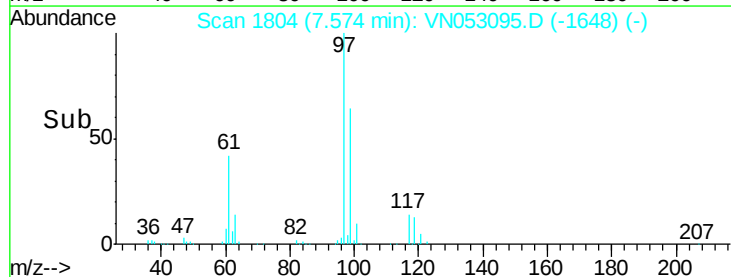
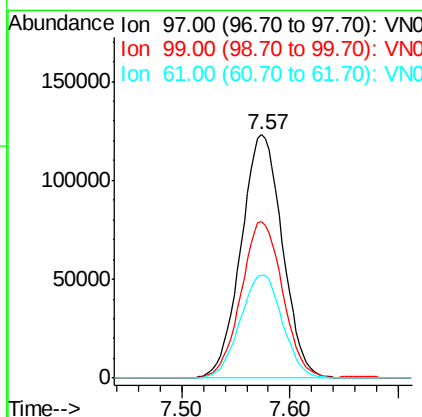
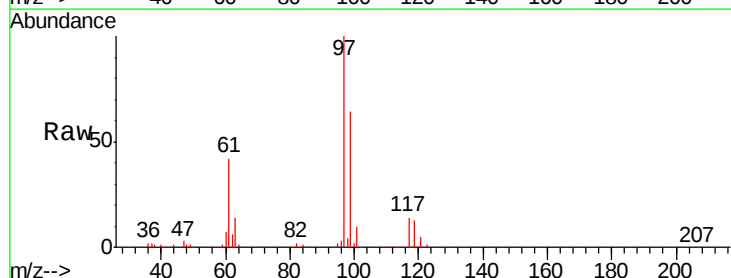
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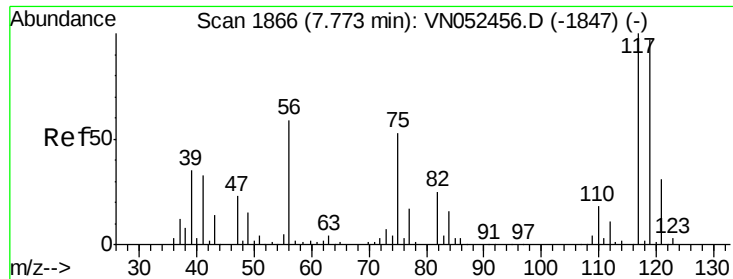
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#32
 1,1,1-Trichloroethane
 Concen: 21.018 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion: 97 Resp: 328759
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.9 76.3
 61 43.0 38.1 57.1





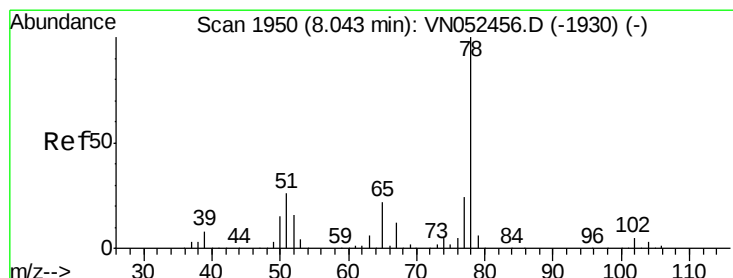
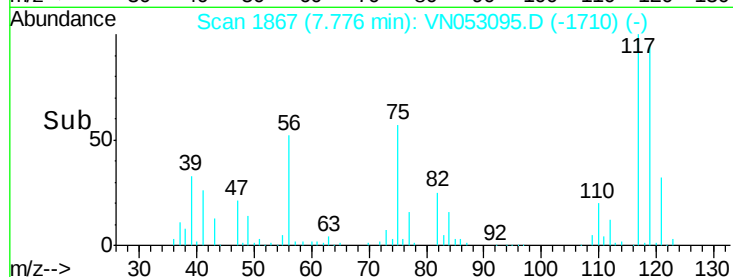
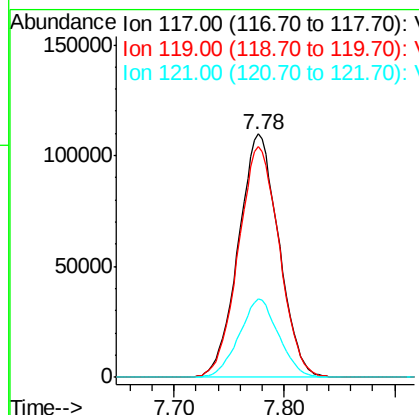
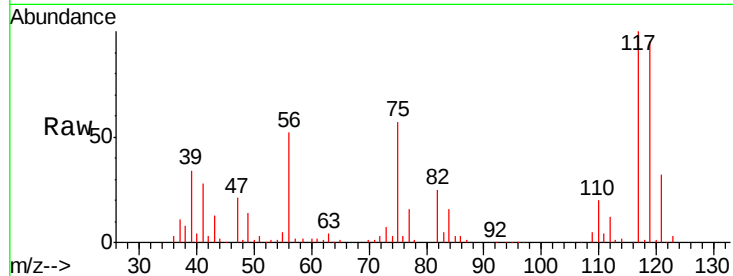
#33
Carbon Tetrachloride
Concen: 20.288 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampled :
VN1221WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	277671		
119	94.8	77.3	115.9	
121	32.2	24.9	37.3	

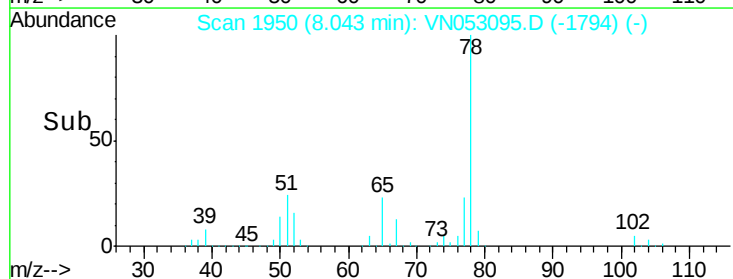
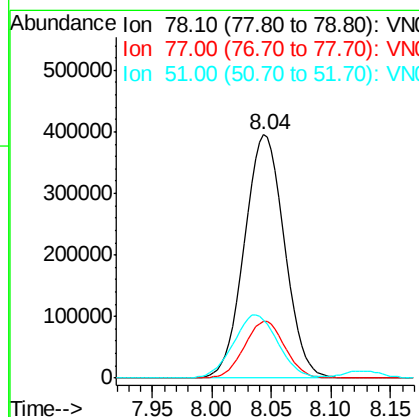
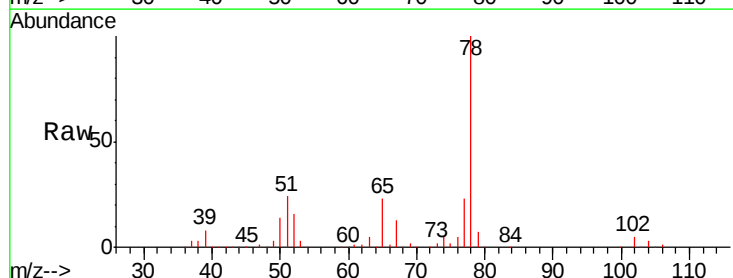
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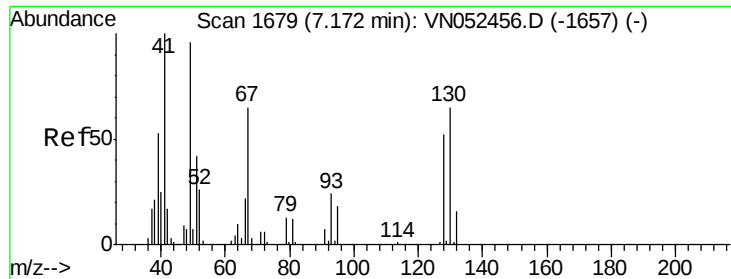
MMDadoda
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#34
Benzene
Concen: 20.417 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	922771		
77	23.2	19.0	28.6	
51	23.8	20.5	30.7	





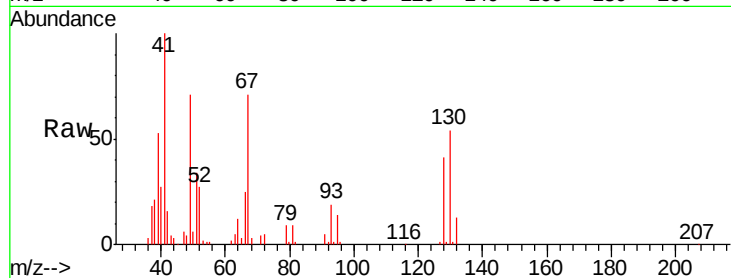
#35
Methacrylonitrile
Concen: 24.993 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

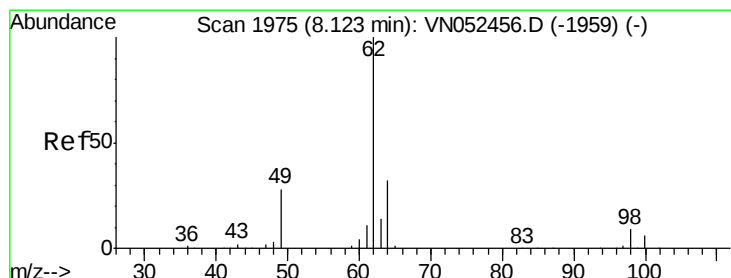
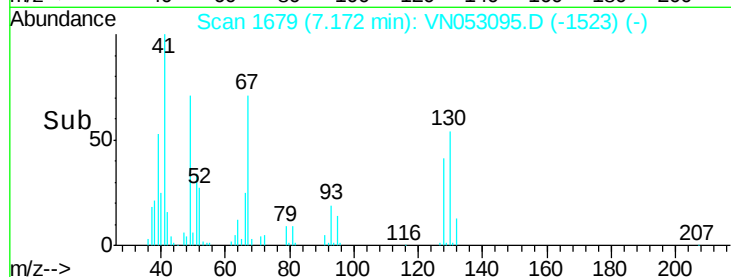
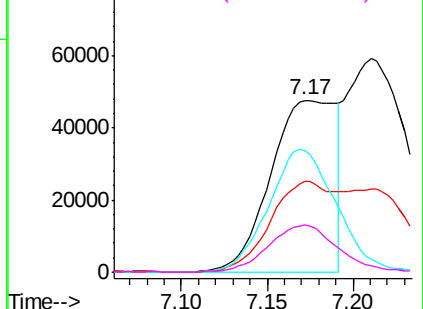
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	26.6	79.7	
67	71.3	32.3	96.9	
52	27.5	13.0	38.9	

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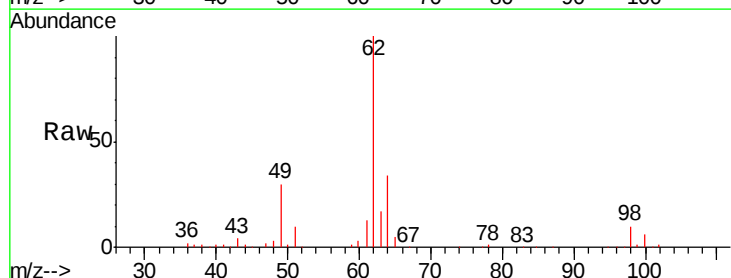


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

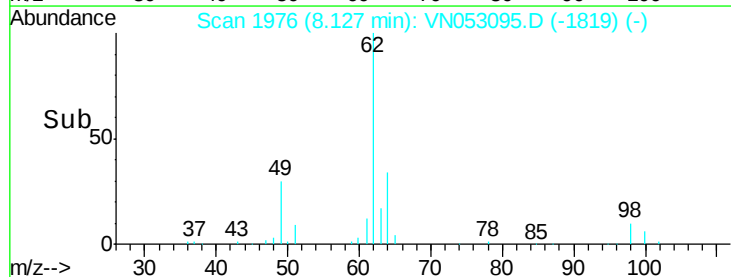
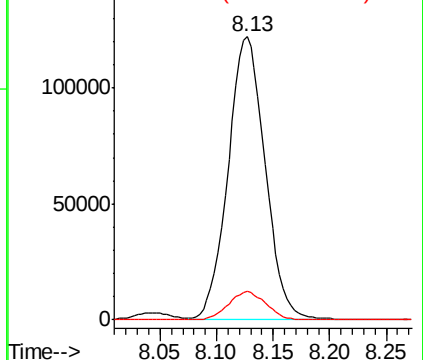


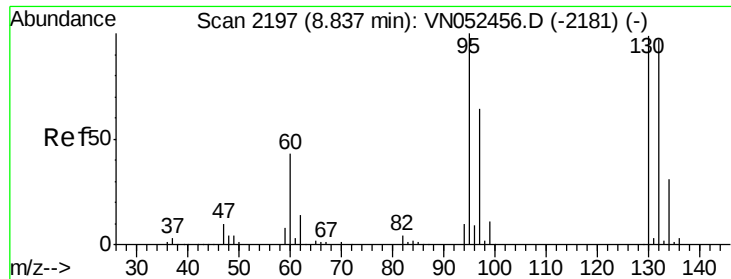
#36
1,2-Dichloroethane
Concen: 20.364 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	7.4	11.2	



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





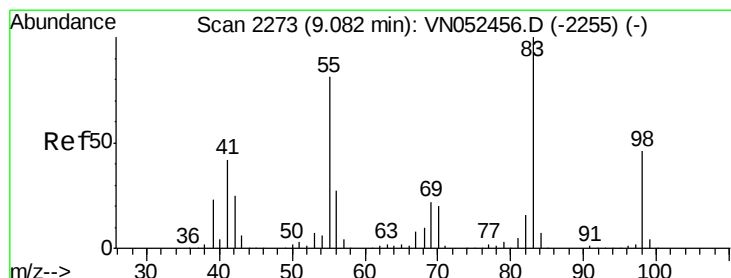
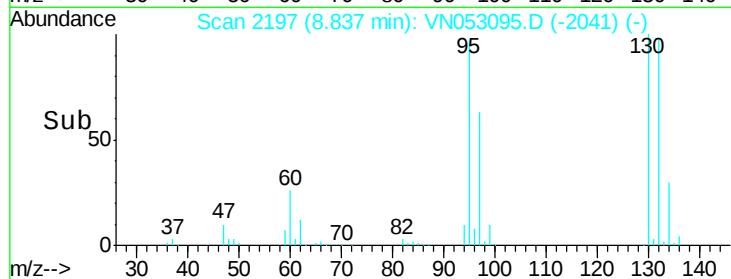
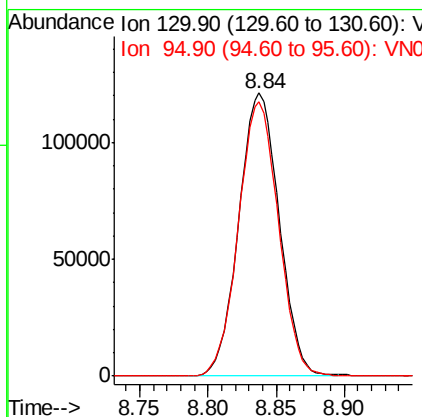
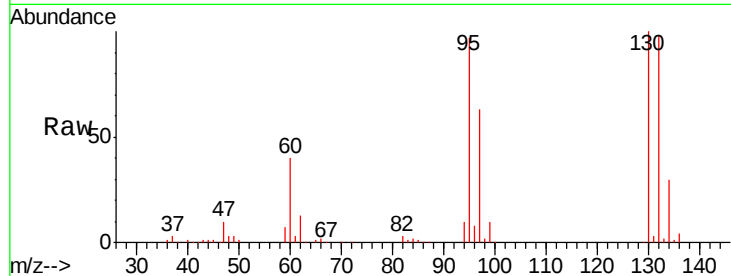
#37
 Trichloroethene
 Concen: 21.763 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion: 130 Resp: 249416
 Ion Ratio Lower Upper
 130 100
 95 97.1 81.0 121.4

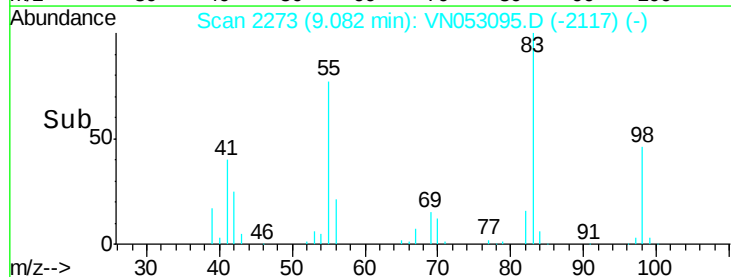
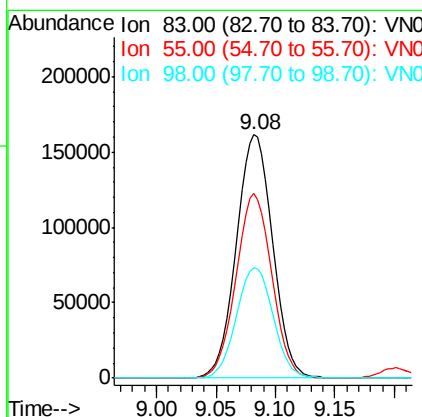
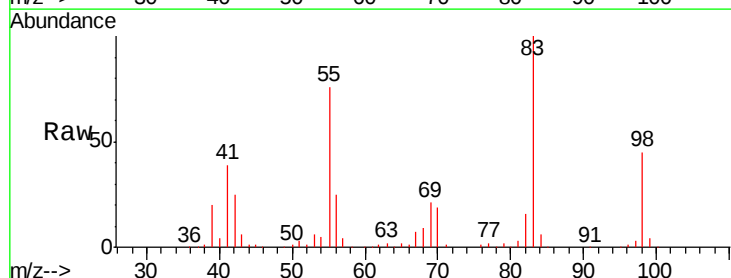
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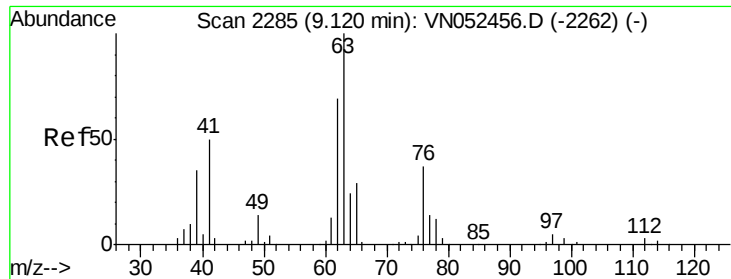
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#38
 Methylcyclohexane
 Concen: 18.384 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion: 83 Resp: 342110
 Ion Ratio Lower Upper
 83 100
 55 74.8 39.8 119.4
 98 46.2 22.9 68.5





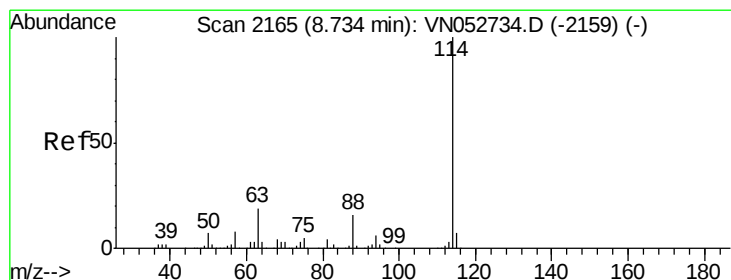
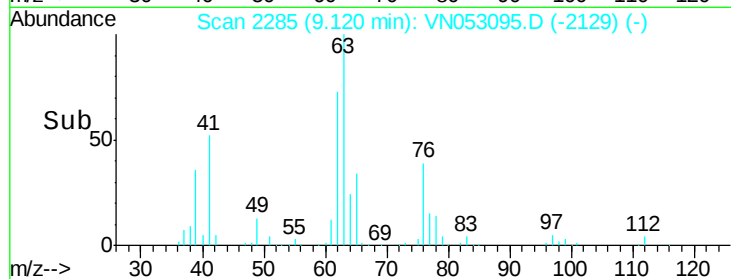
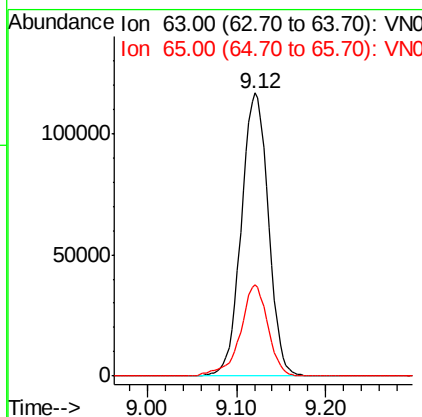
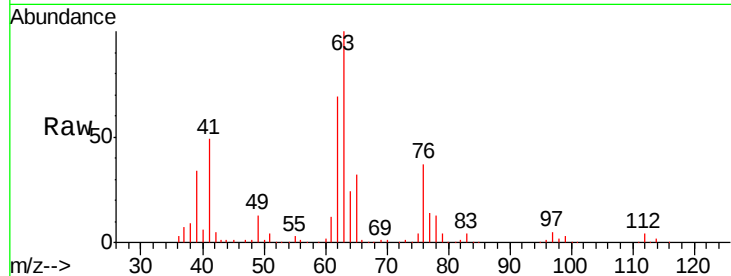
#39
 1,2-Dichloropropane
 Concen: 20.358 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion: 63 Resp: 246645
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.6 35.4

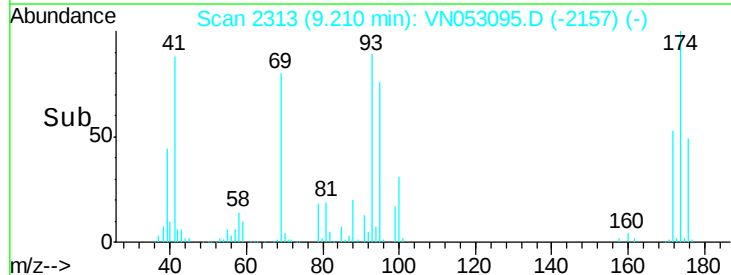
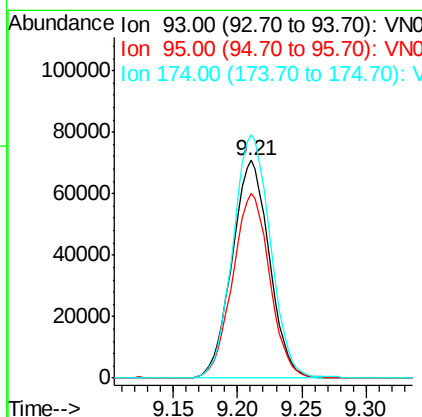
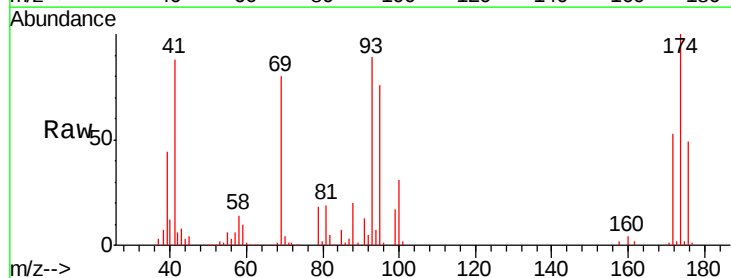
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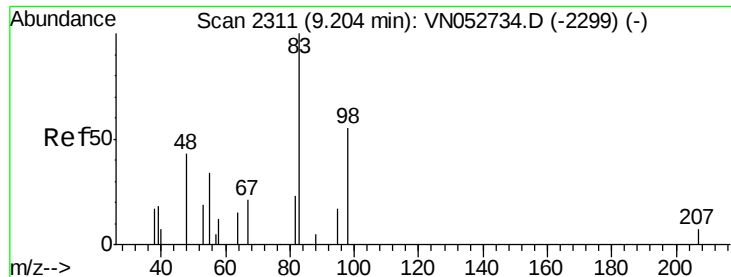
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#40
 Dibromomethane
 Concen: 21.766 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion: 93 Resp: 142502
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 168.4
 174 112.9 0.0 210.0





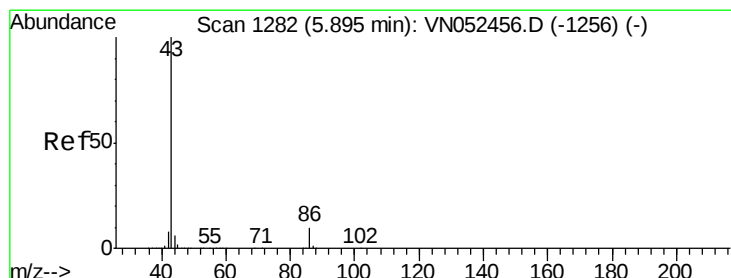
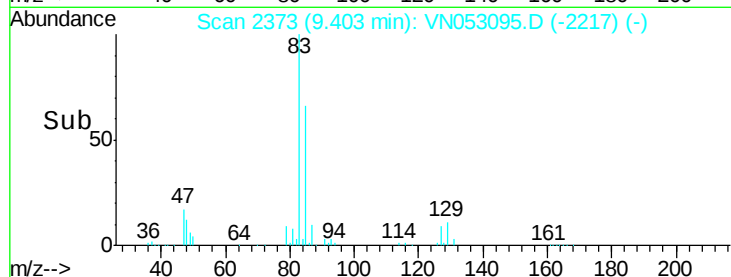
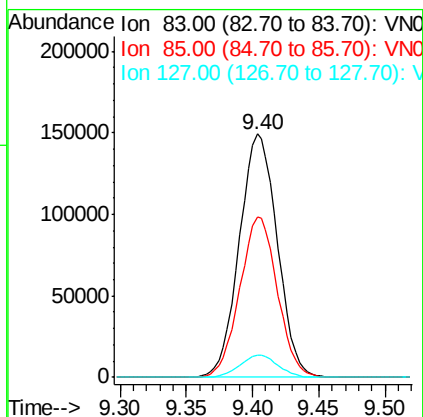
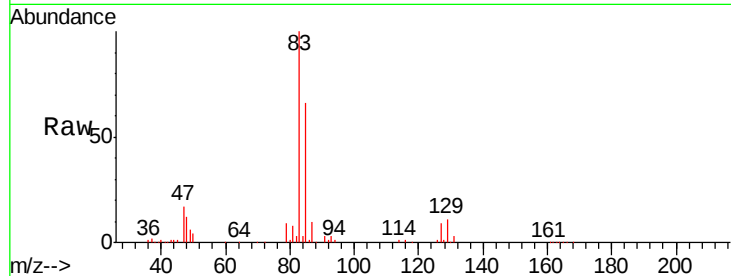
#41
 Bromodichloromethane
 Concen: 20.548 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.4	78.6
127	9.2	6.6	9.8

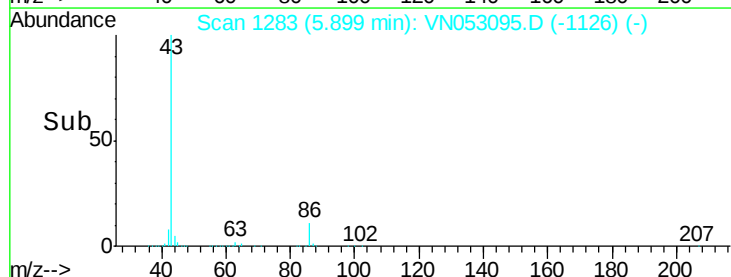
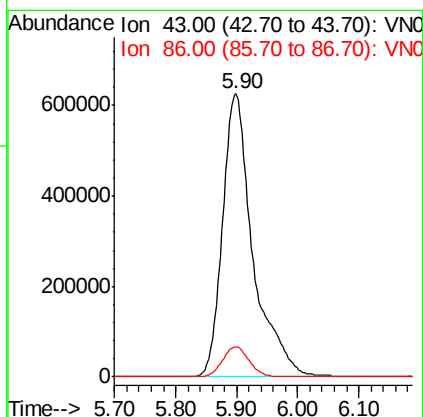
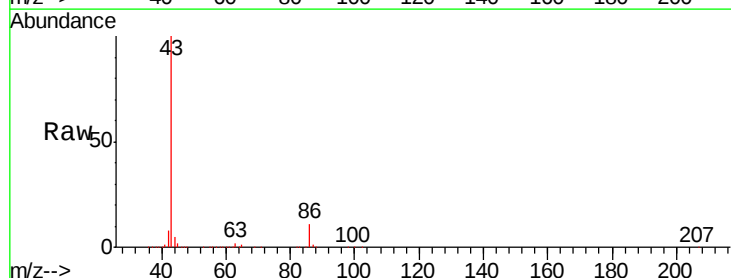
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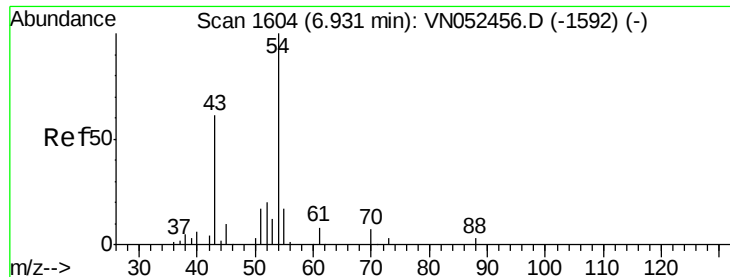
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 12/22/2018 10:06:13 AM



#42
 Vinyl Acetate
 Concen: 99.457 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.5	9.7





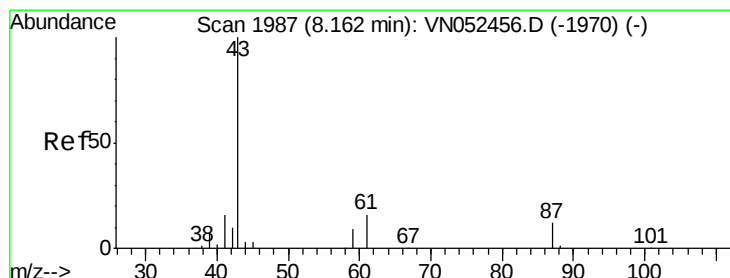
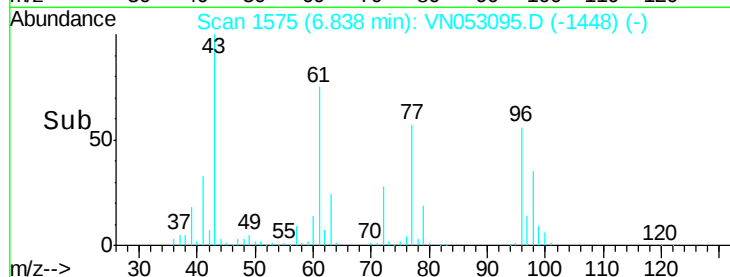
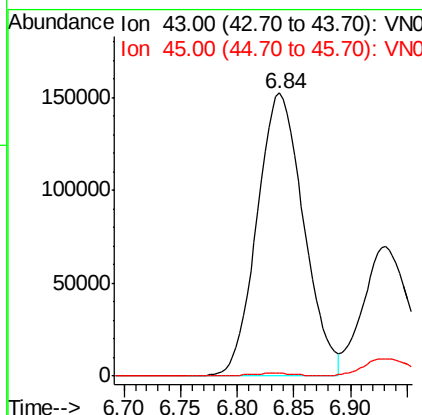
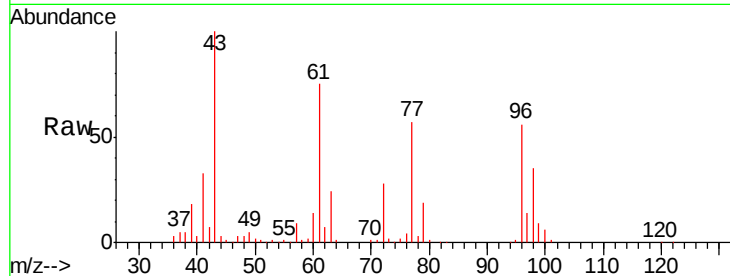
#43
Ethyl Acetate
Concen: 50.754 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion: 43 Resp: 434118
Ion Ratio Lower Upper
43 100
45 1.1 1.0 1.6

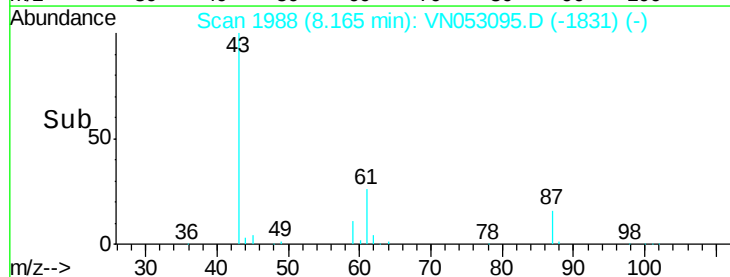
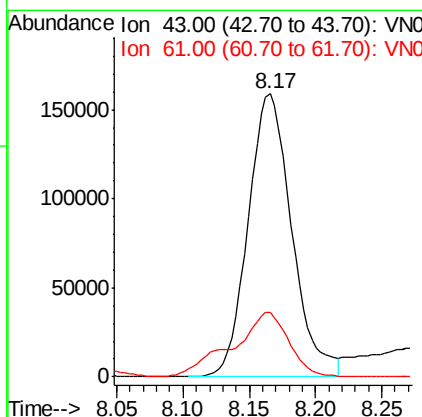
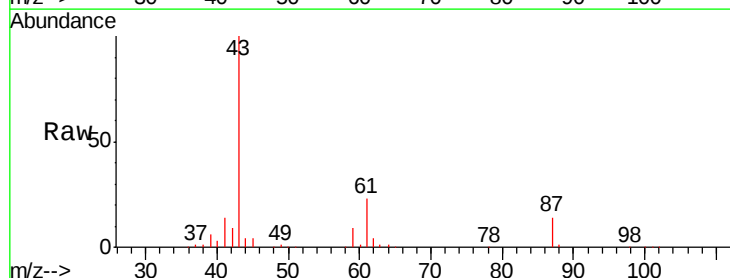
Manual Integrations
APPROVED

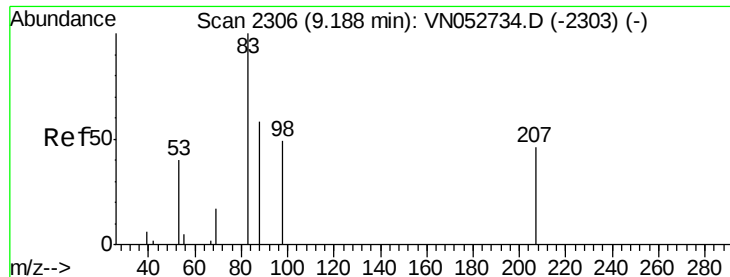
MMDadoda
12/22/2018 10:06:13 AM



#44
Isopropyl Acetate
Concen: 24.209 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion: 43 Resp: 363168
Ion Ratio Lower Upper
43 100
61 21.0 16.0 24.0





#45

1,4-Dioxane

Concen: 530.980 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

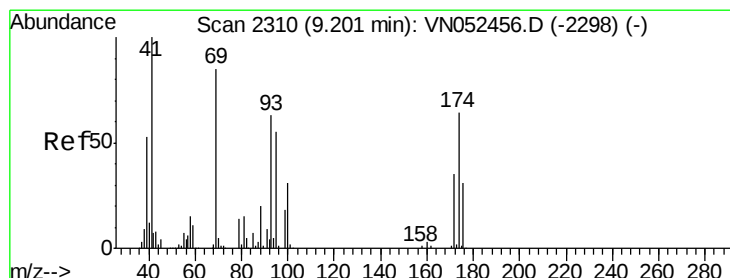
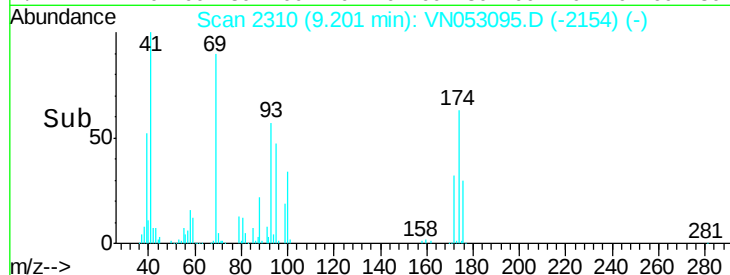
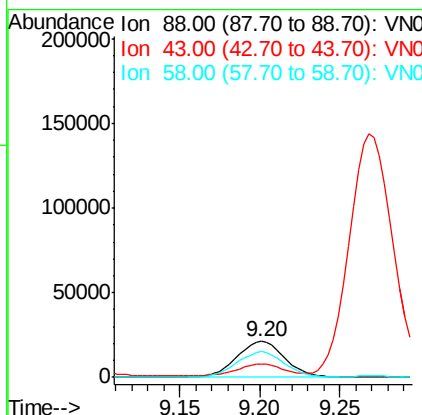
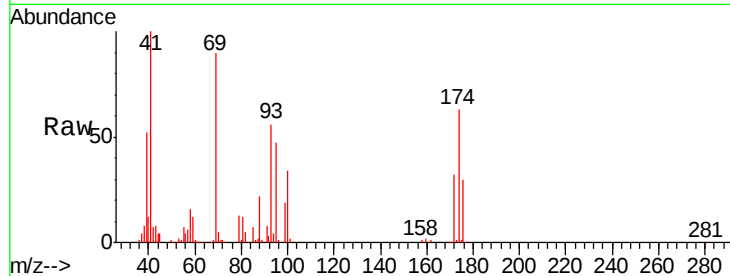
ClientSampleId :

VN1221WBS01

Tgt Ion:	88	Resp:	43575
Ion Ratio	Lower	Upper	
88	100		
43	30.1	29.5	44.3
58	70.3	61.5	92.3

Manual Integrations
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12/22/2018 10:06:13 AM



#46

Methyl methacrylate

Concen: 22.548 ug/l

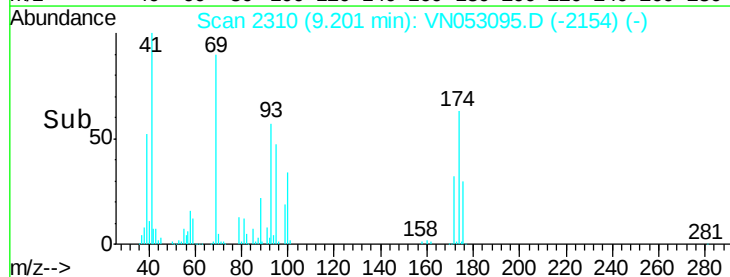
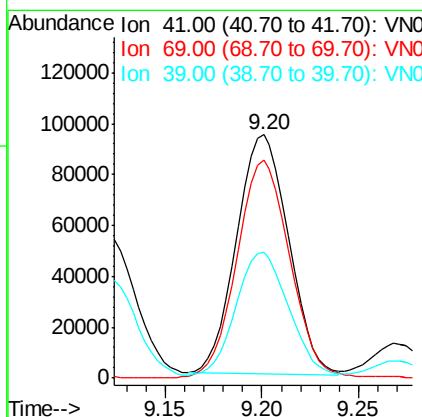
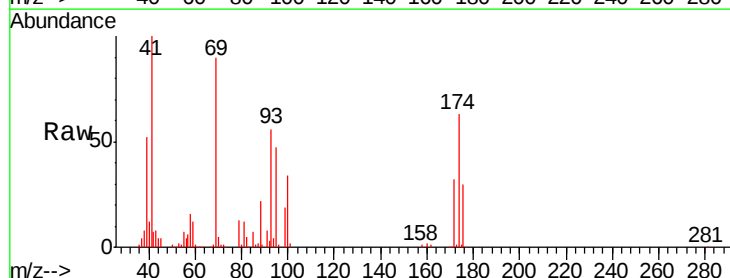
RT: 9.20 min Scan# 2310

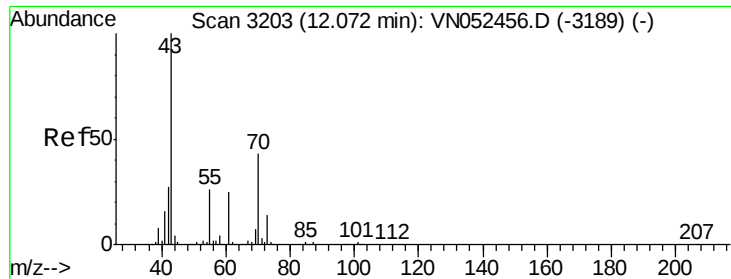
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	41	Resp:	175622
Ion Ratio	Lower	Upper	
41	100		
69	90.9	42.5	127.6
39	51.7	26.3	78.9





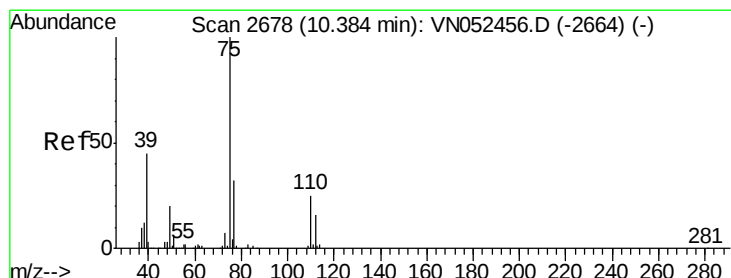
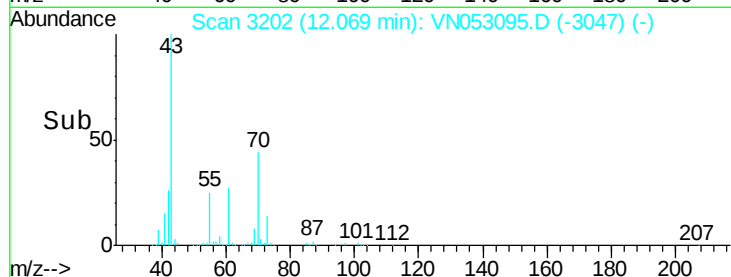
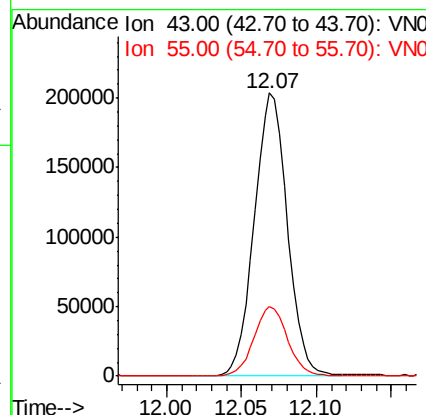
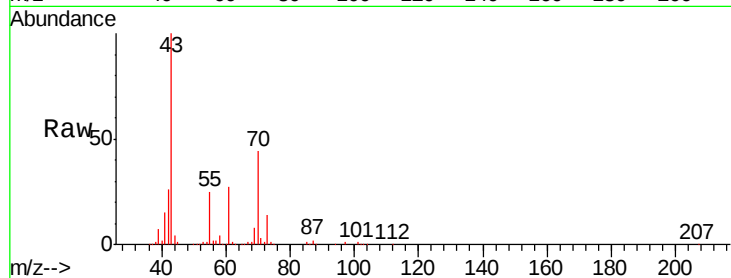
#47
n-amy1 Acetate
Concen: 25.092 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion: 43 Resp: 312093
Ion Ratio Lower Upper
43 100
55 25.1 21.1 31.7

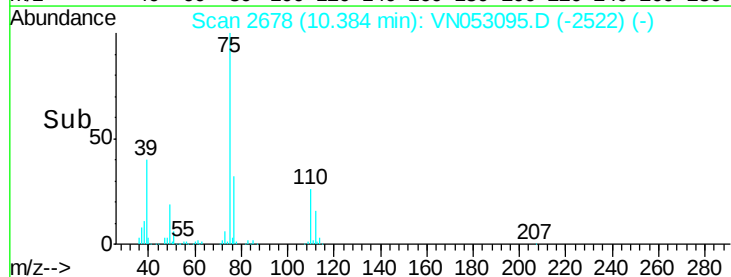
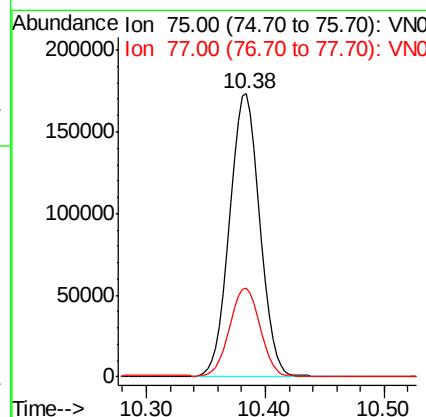
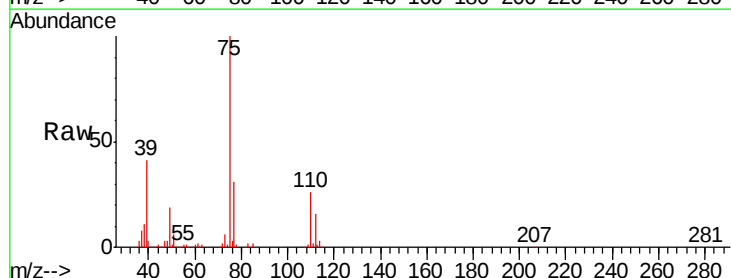
Manual Integrations
APPROVED

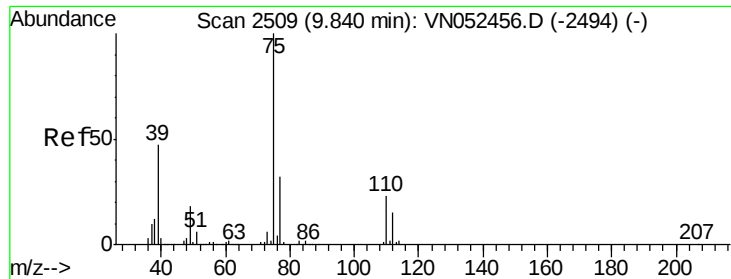
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 21.818 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion: 75 Resp: 305998
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.866 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

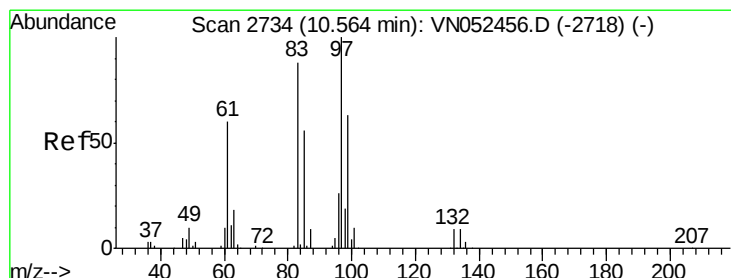
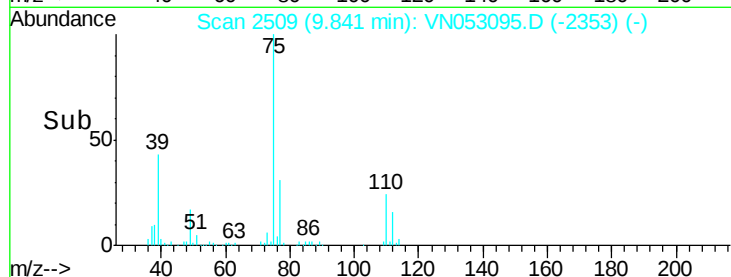
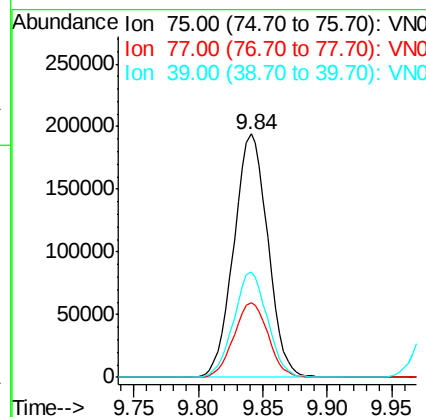
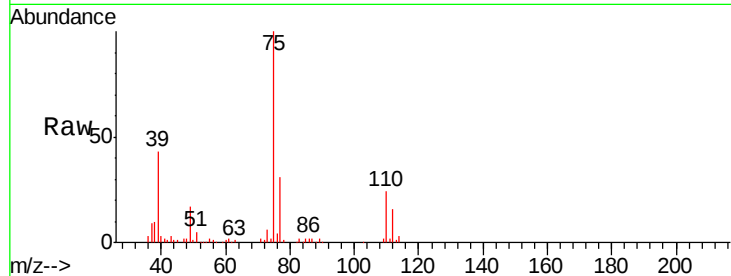
ClientSampleId :

VN1221WBS01

Tgt Ion:	75	Resp:	356554
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0
39	43.3	37.3	55.9

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 22.678 ug/l

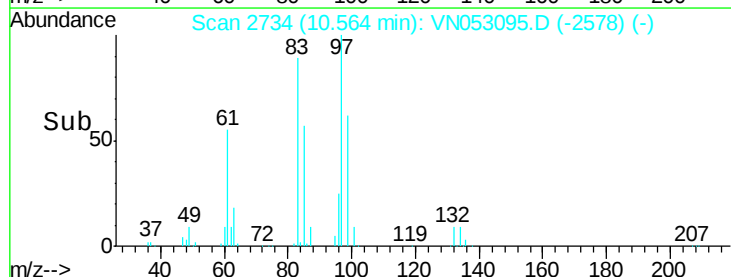
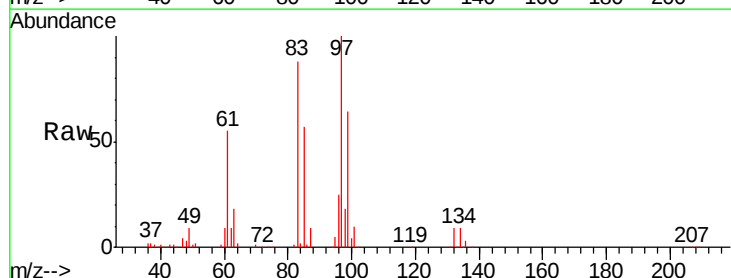
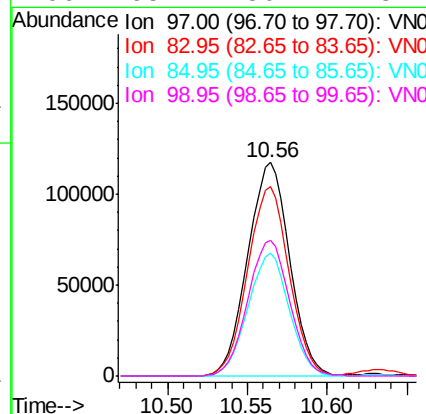
RT: 10.56 min Scan# 2734

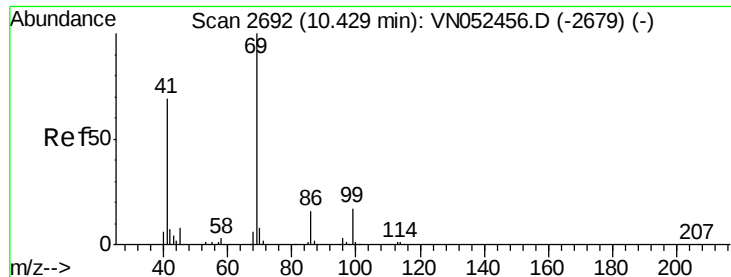
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	97	Resp:	210459
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.4	105.6
85	57.4	45.0	67.6
99	63.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 24.040 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

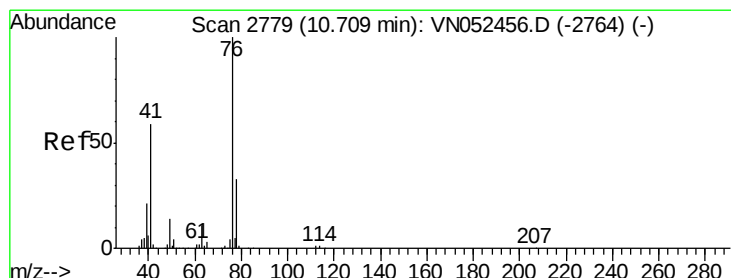
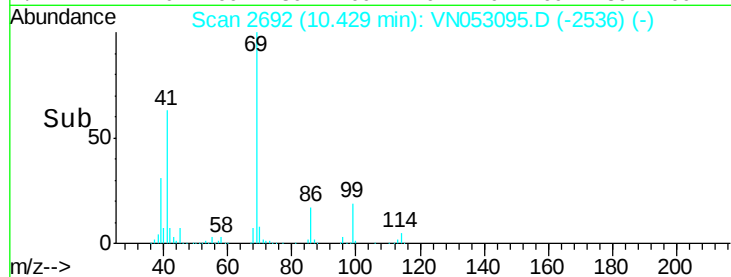
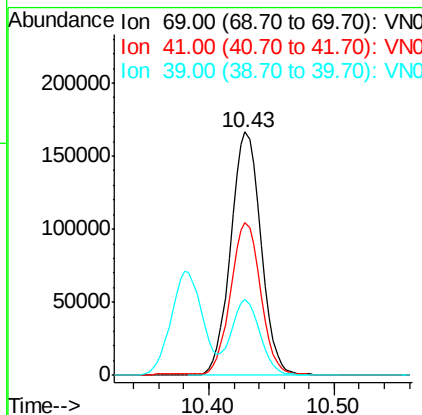
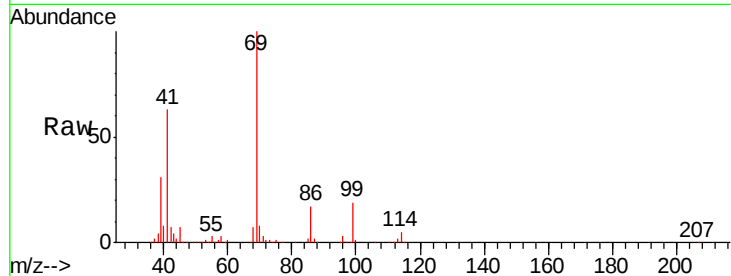
ClientSampleId :

VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.5	34.4	103.3
39	30.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.667 ug/l

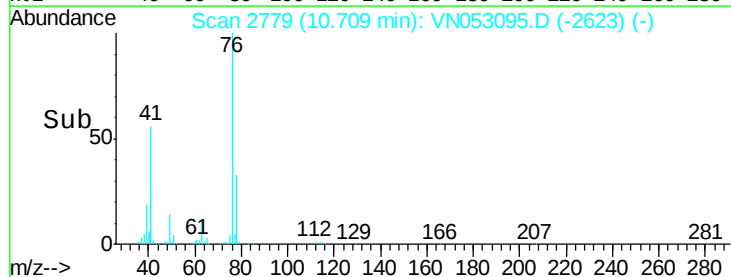
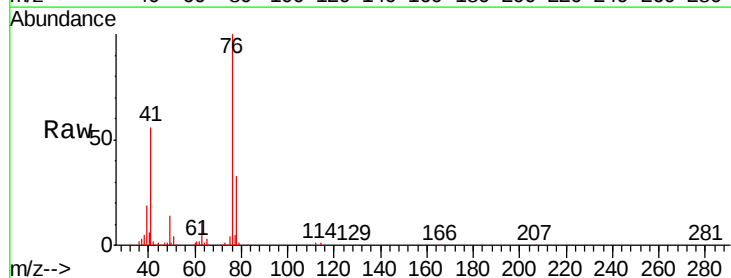
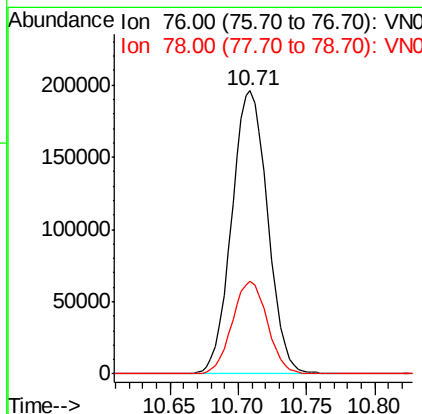
RT: 10.71 min Scan# 2779

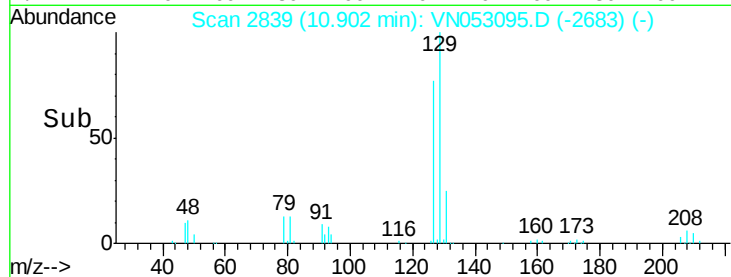
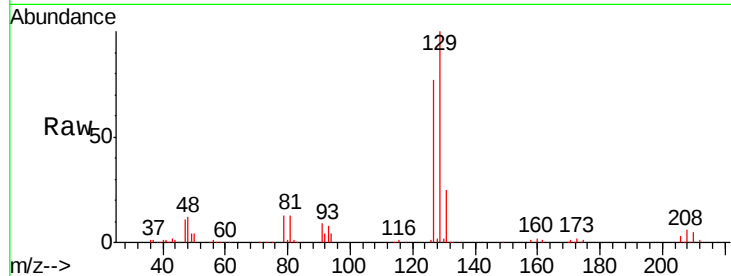
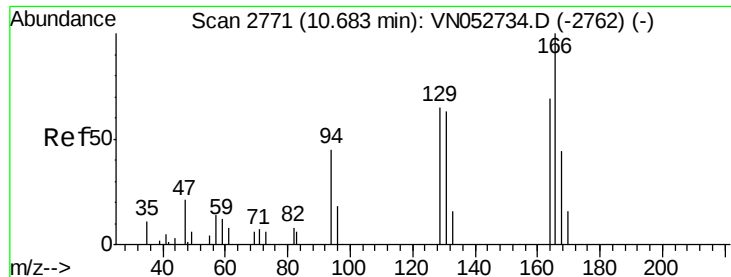
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.8





#53

Dibromochloromethane

Concen: 22.122 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion: 129 Resp: 226024

Ion Ratio Lower Upper

129 100

127 77.7 37.6 112.8

Instrument :

MSVOA_N

ClientSampled :

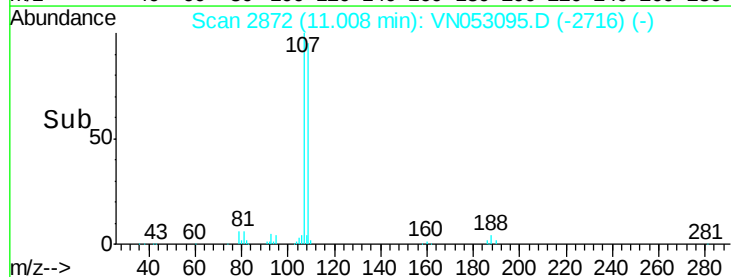
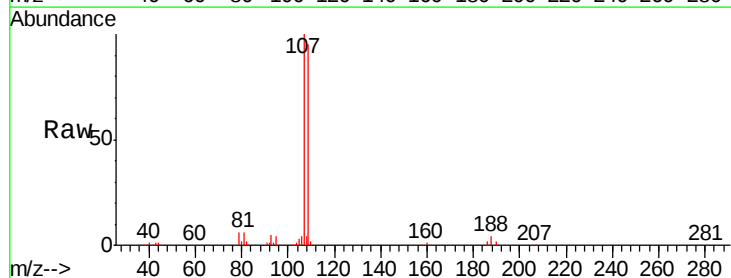
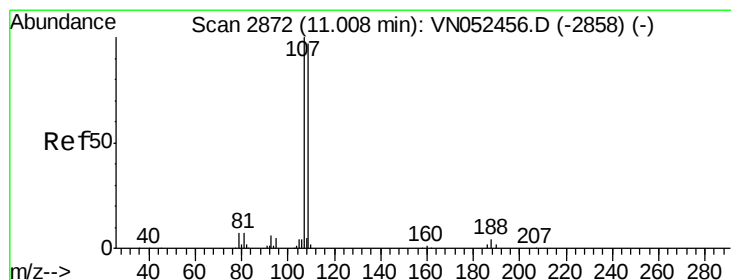
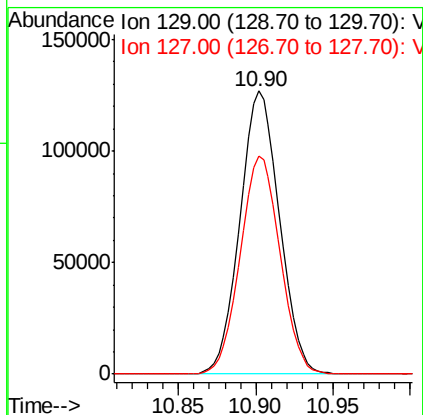
VN1221WBS01

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#54

1,2-Dibromoethane

Concen: 23.088 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053095.D

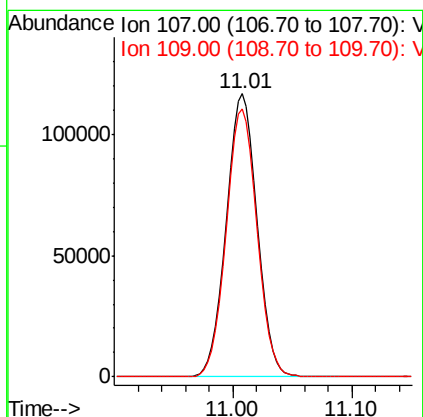
Acq: 21 Dec 2018 10:44

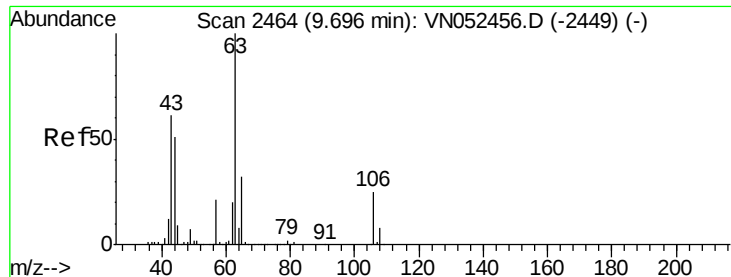
Tgt Ion: 107 Resp: 209368

Ion Ratio Lower Upper

107 100

109 94.7 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 115.976 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

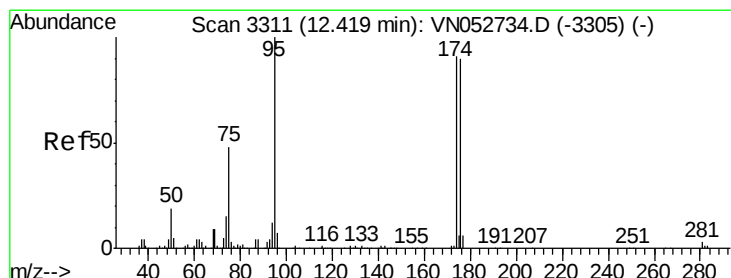
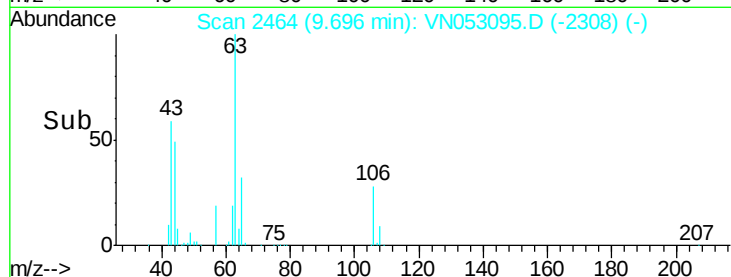
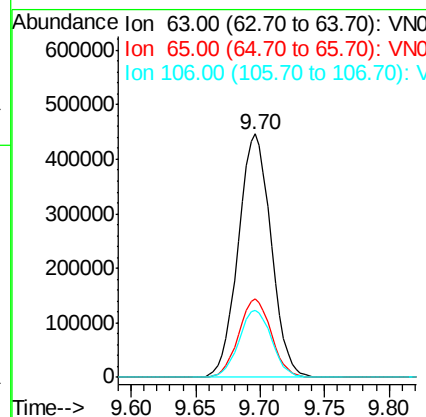
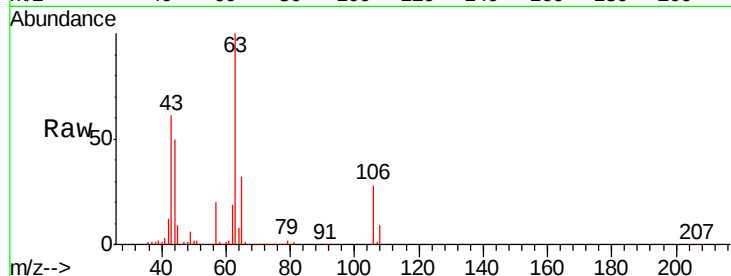
ClientSampleId :

VN1221WBS01

Tgt Ion:	63	Resp:	791262
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.4	38.2
106	27.5	20.4	30.6

Manual Integrations
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12/22/2018 10:06:13 AM



#56

Bromoform

Concen: 23.528 ug/l

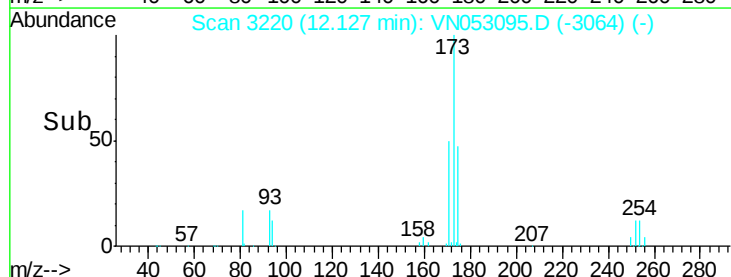
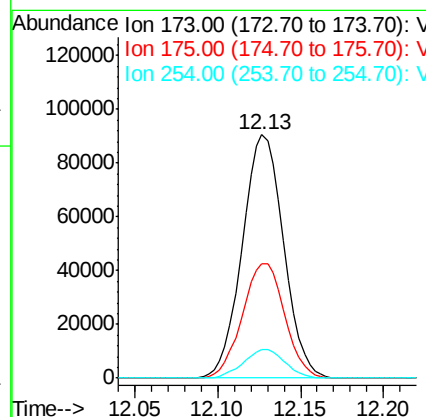
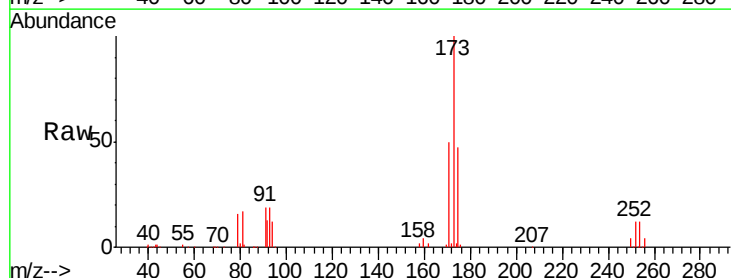
RT: 12.13 min Scan# 3220

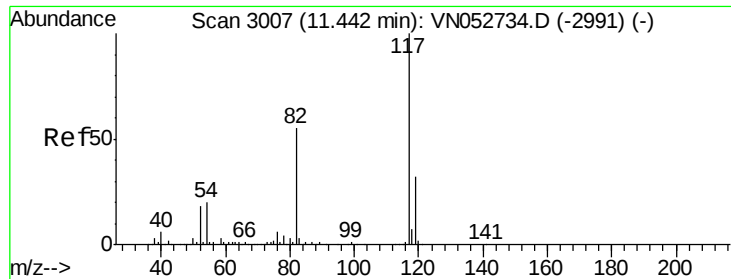
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	173	Resp:	157131
Ion Ratio	Lower	Upper	
173	100		
175	48.2	38.7	58.1
254	11.8	8.4	12.6





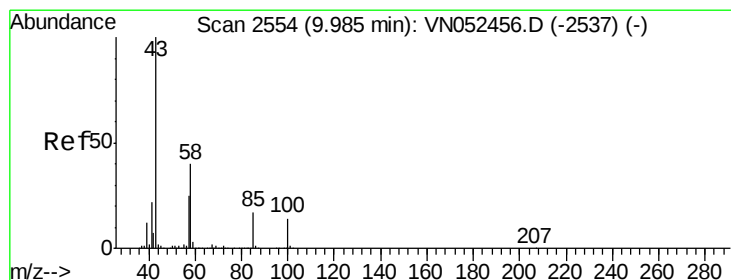
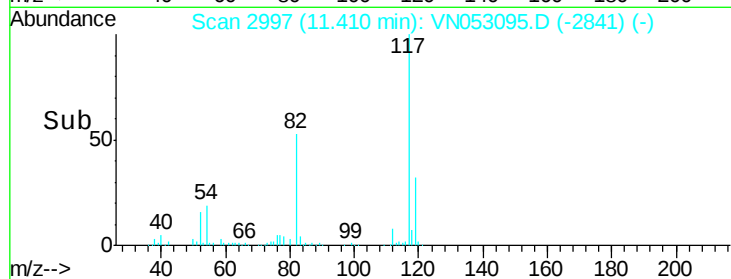
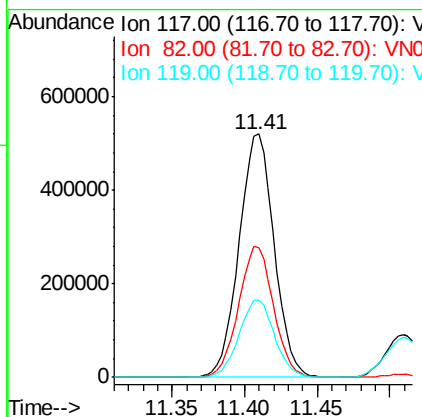
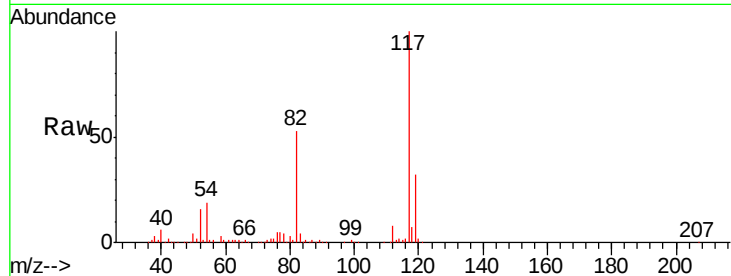
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	876105		
82	53.4	44.2	66.2	
119	32.1	25.4	38.2	

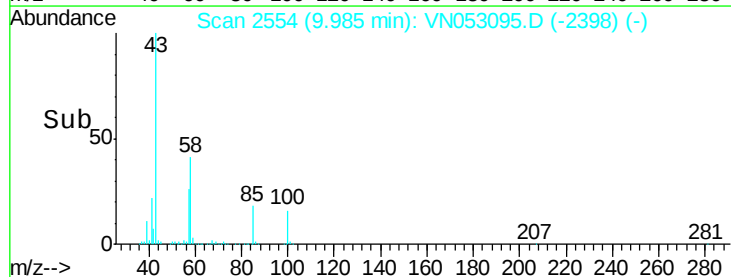
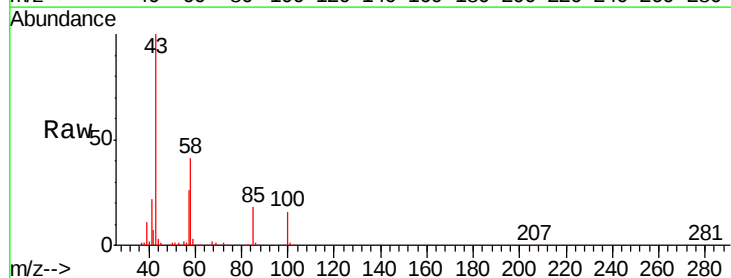
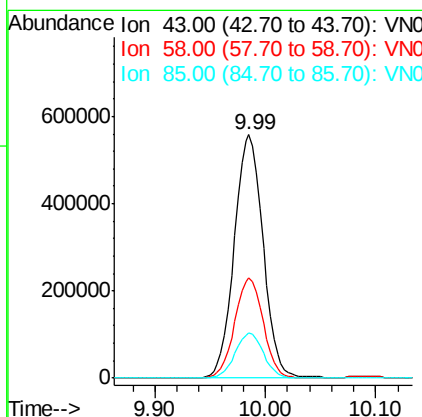
Manual Integrations
APPROVED

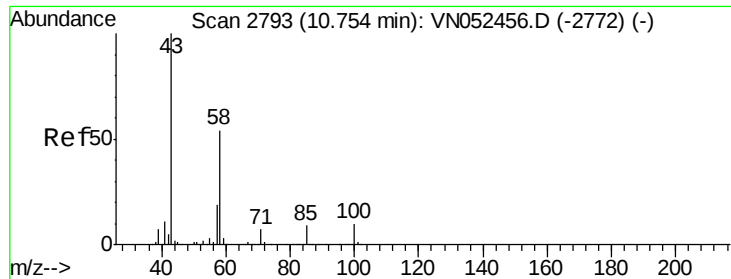
MMDadoda
12/22/2018 10:06:13 AM



#58
4-Methyl-2-Pentanone
Concen: 118.757 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1008675		
58	41.0	31.6	47.4	
85	18.3	13.3	19.9	





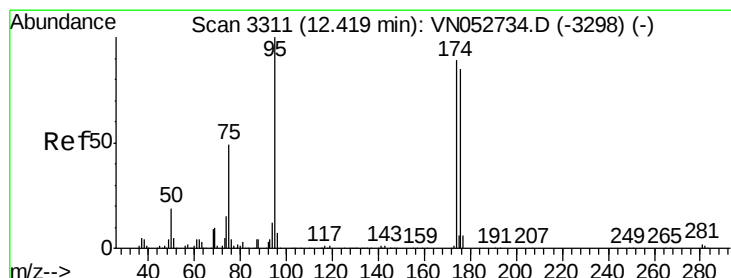
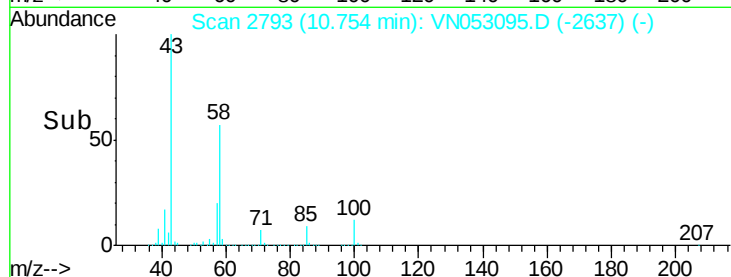
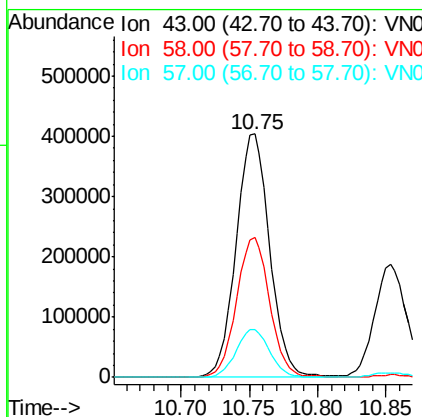
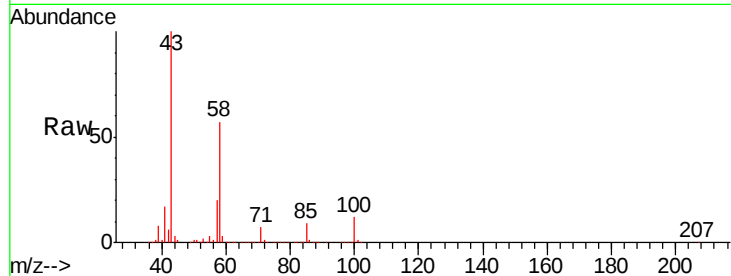
#59
2-Hexanone
Concen: 118.462 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.3	43.2	64.8
57	19.9	14.9	22.3

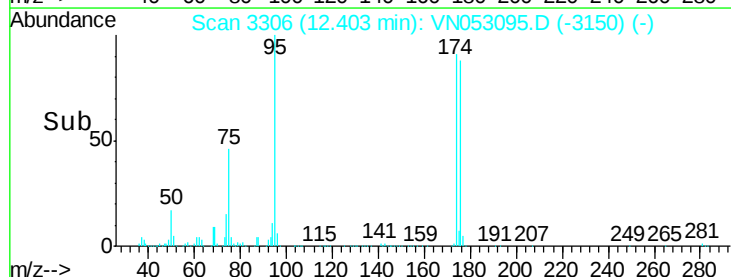
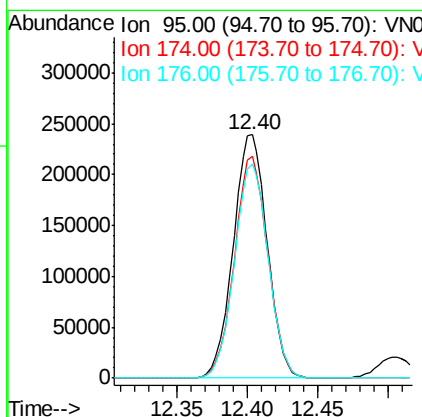
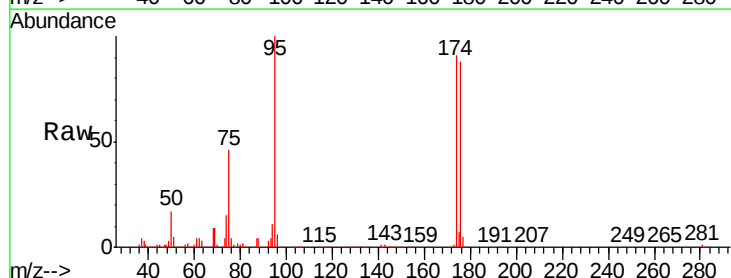
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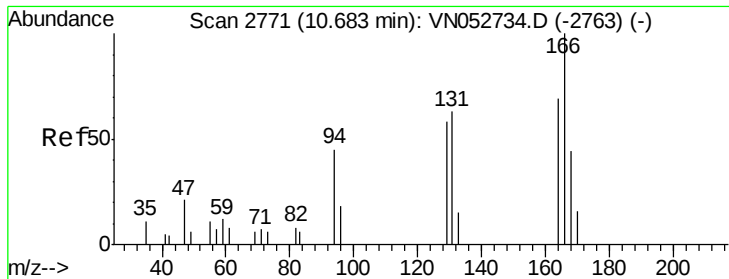
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 118.462 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	67.9	101.9
176	87.4	66.4	99.6





#61

Tetrachloroethene

Concen: 24.717 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

Tgt Ion:164 Resp: 266708

Ion Ratio Lower Upper

164 100

166 127.8 104.6 157.0

129 91.1 75.3 112.9

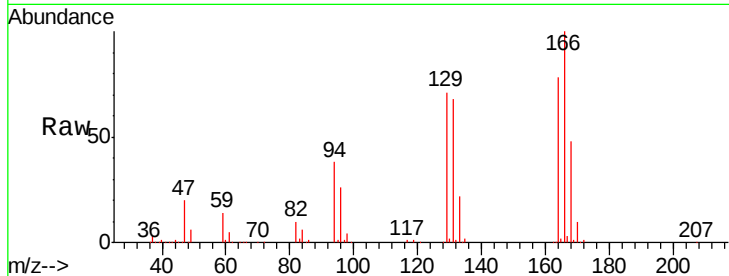
131 87.2 74.3 111.5

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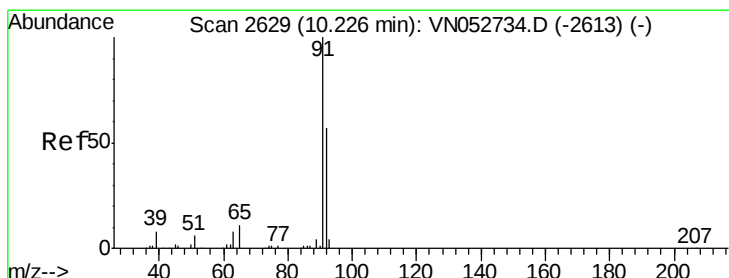
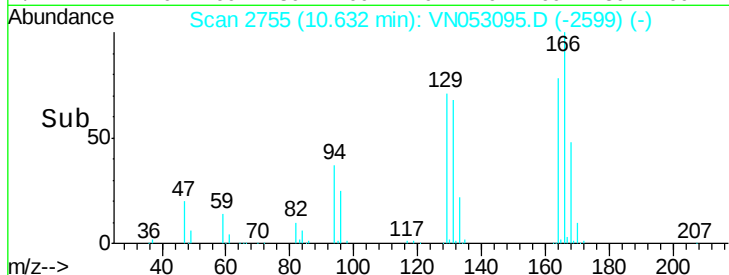
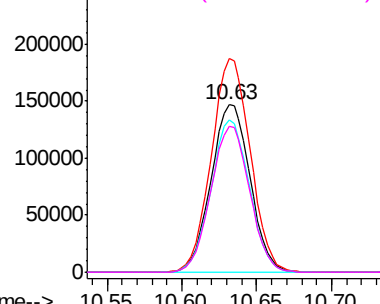


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.686 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053095.D

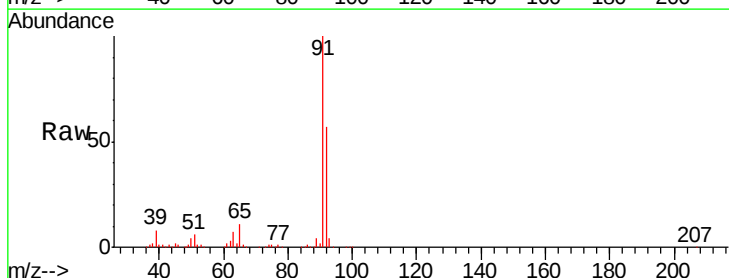
Acq: 21 Dec 2018 10:44

Tgt Ion: 91 Resp: 999059

Ion Ratio Lower Upper

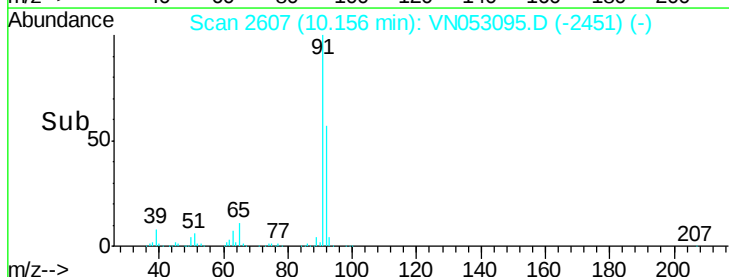
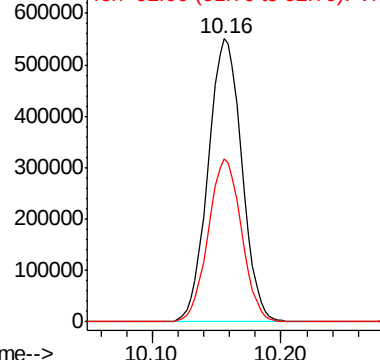
91 100

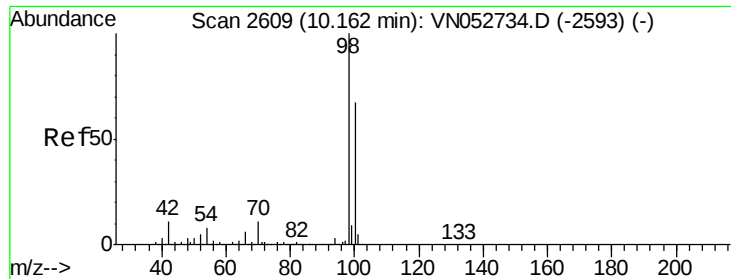
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.686 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

Tgt Ion: 98 Resp: 1159988

Ion Ratio Lower Upper

98 100

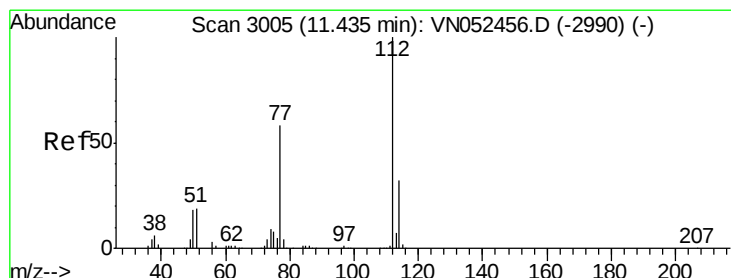
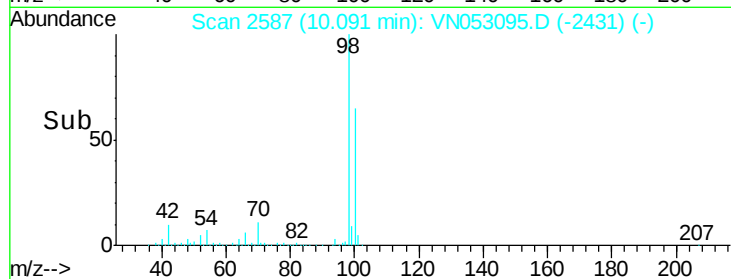
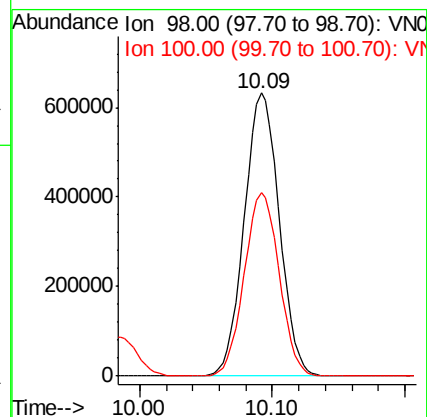
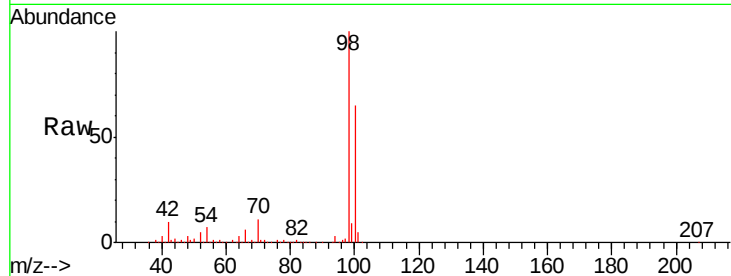
100 64.4 51.1 76.7

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#64

Chlorobenzene

Concen: 21.448 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053095.D

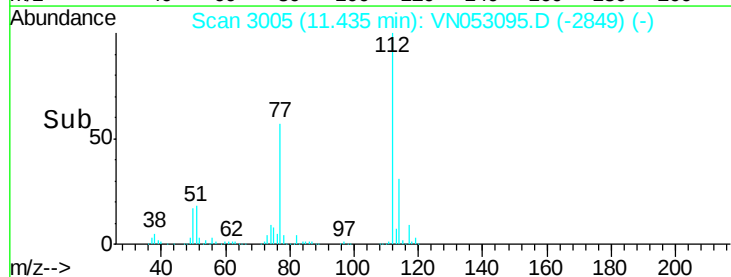
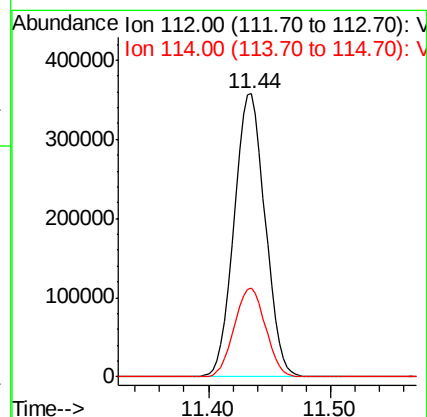
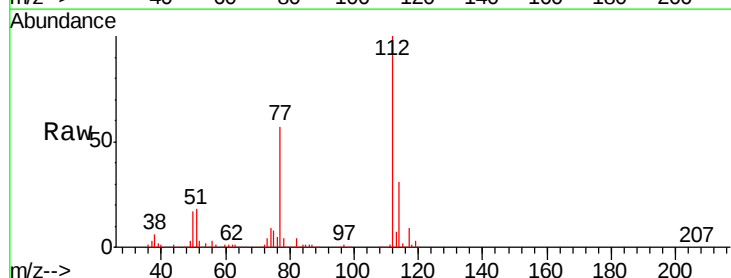
Acq: 21 Dec 2018 10:44

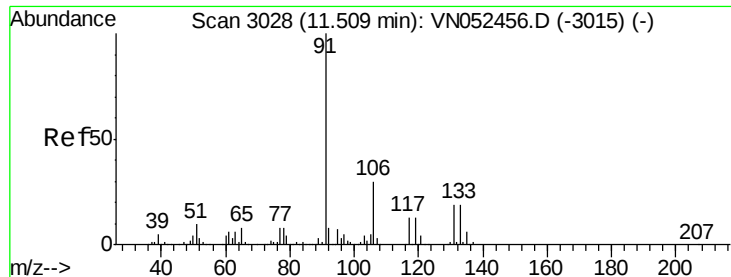
Tgt Ion: 112 Resp: 632265

Ion Ratio Lower Upper

112 100

114 31.3 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.872 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

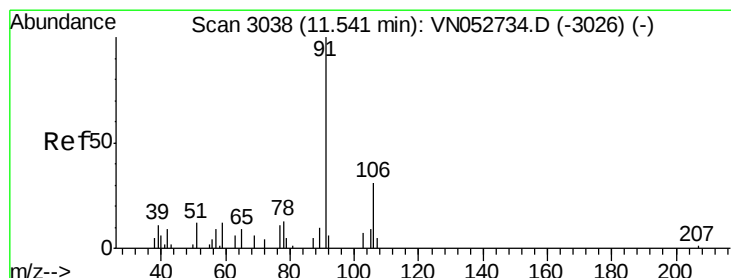
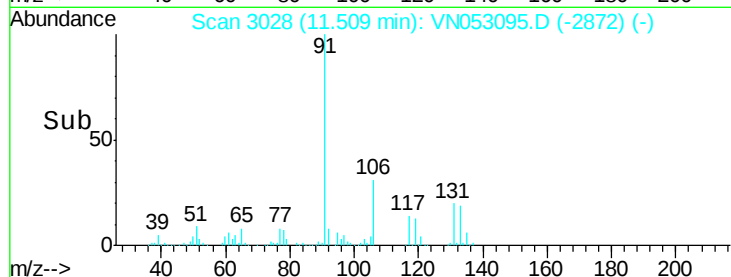
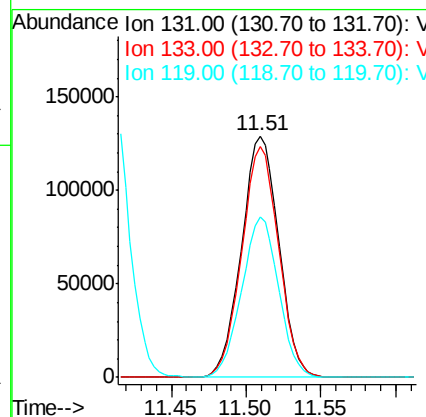
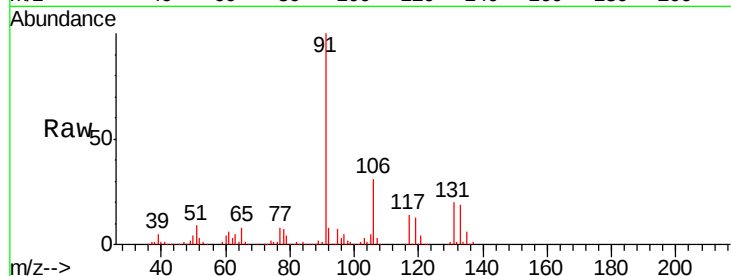
ClientSampleId :

VN1221WBS01

Tgt Ion:	131	Resp:	223807
Ion Ratio		Lower	Upper
131	100		
133	95.0	0.0	193.4
119	65.9	0.0	133.0

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#66

Ethyl Benzene

Concen: 20.967 ug/l

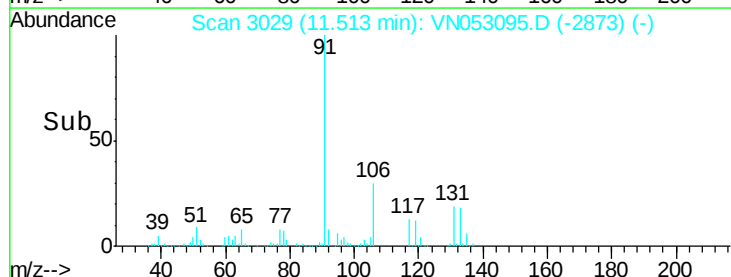
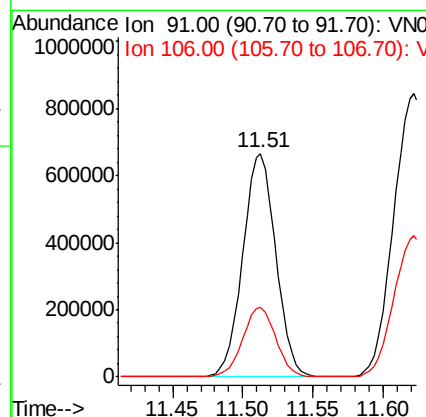
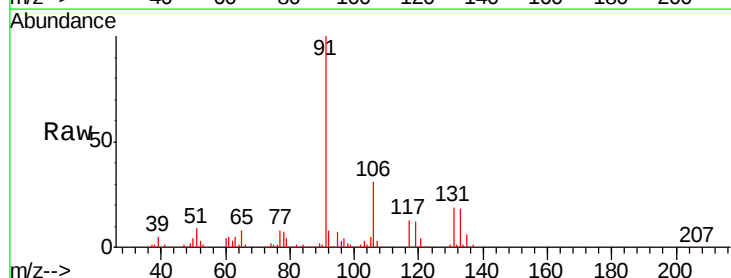
RT: 11.51 min Scan# 3029

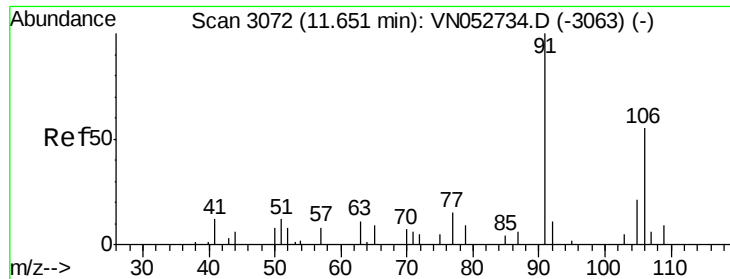
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	91	Resp:	1091392
Ion Ratio		Lower	Upper
91	100		
106	31.0	24.3	36.5





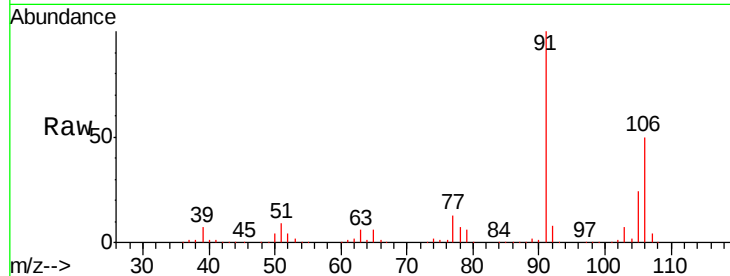
#67
m/p-Xylenes
Concen: 42.205 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

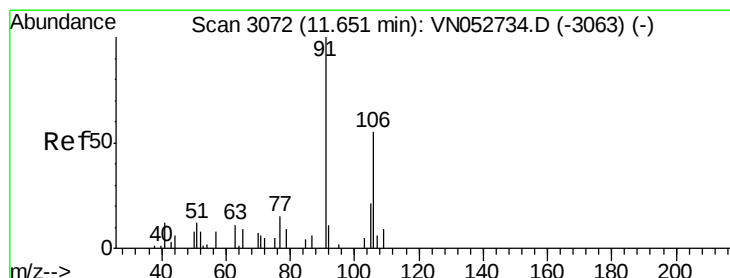
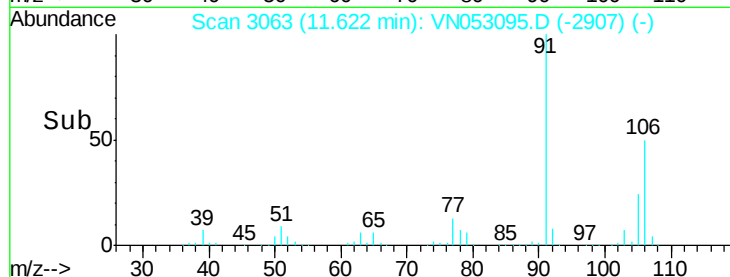
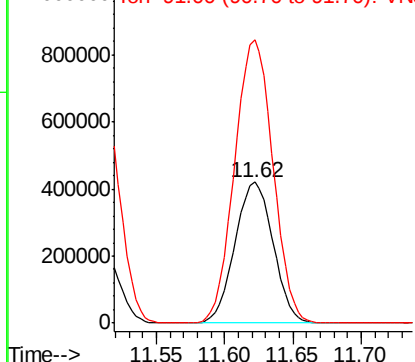
Tgt Ion:106 Resp: 818468
Ion Ratio Lower Upper
106 100
91 201.4 163.9 245.9

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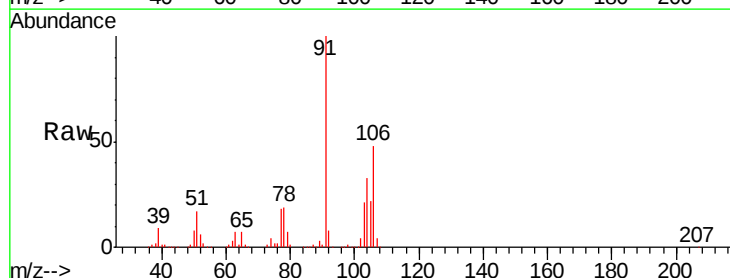


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

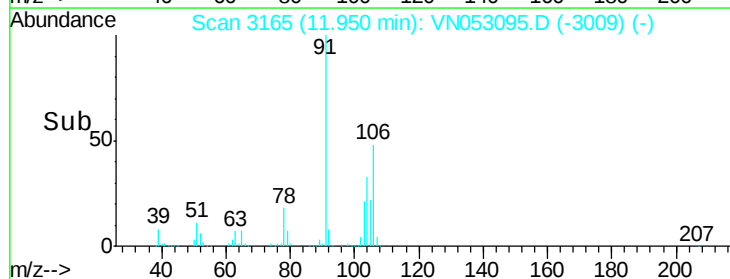
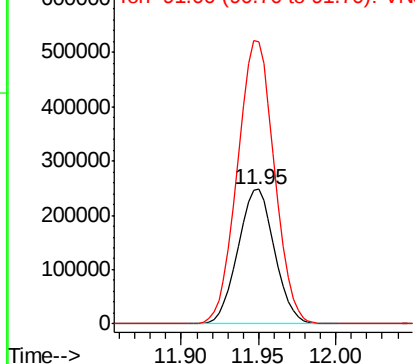


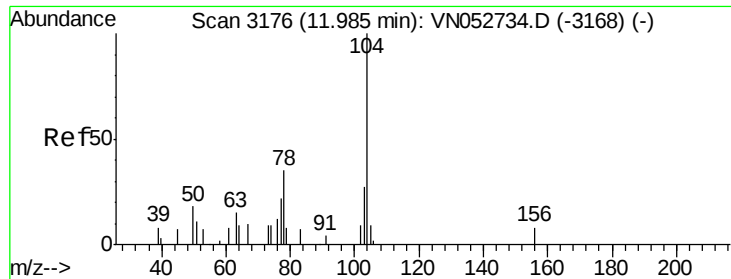
#68
o-Xylene
Concen: 21.726 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion:106 Resp: 408929
Ion Ratio Lower Upper
106 100
91 211.7 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





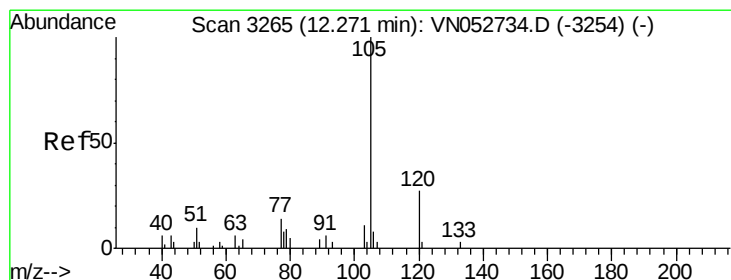
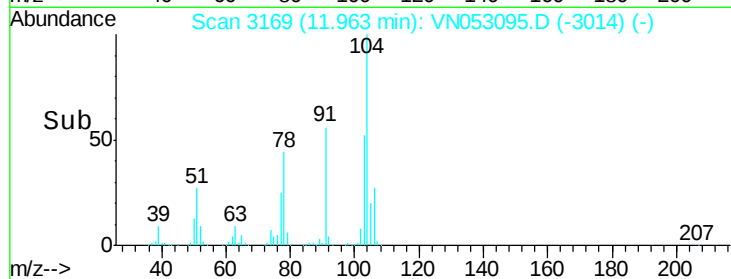
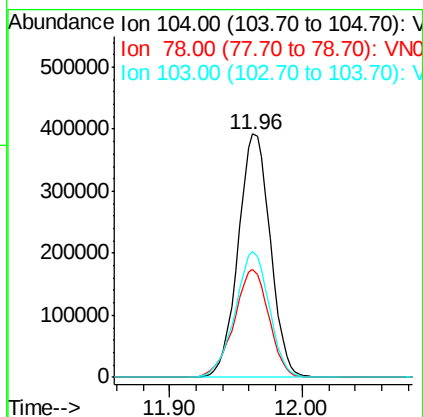
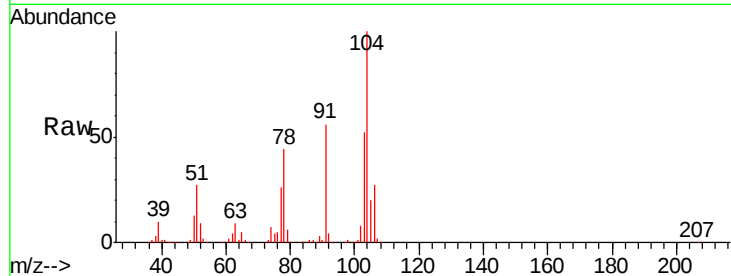
#69
Styrene
Concen: 21.720 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.3	58.9
103	55.0	44.6	66.8

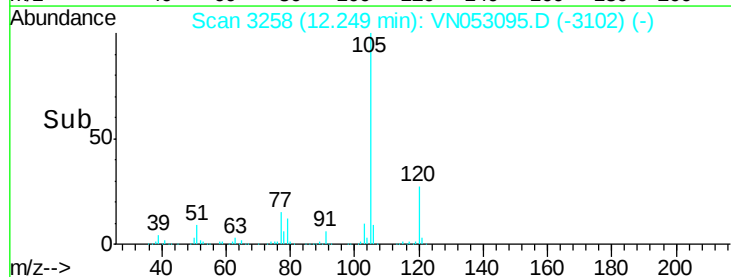
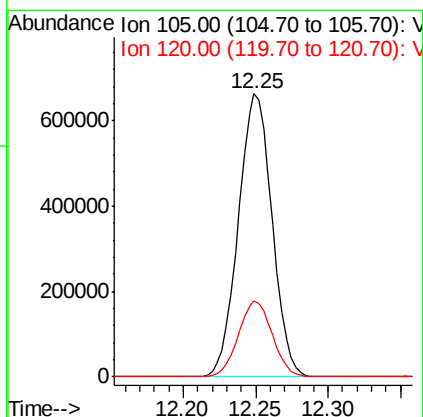
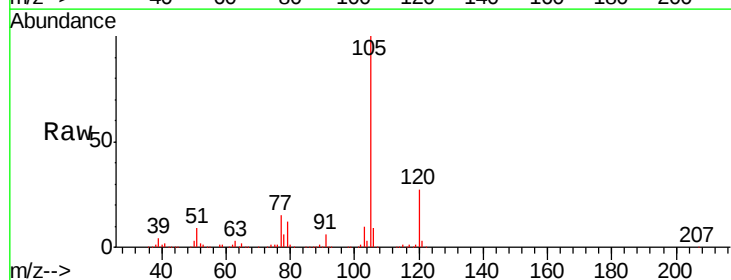
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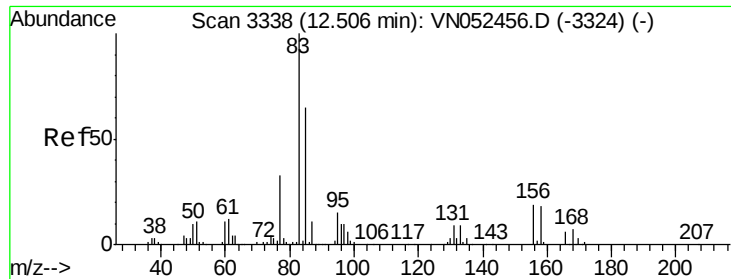
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#70
Isopropylbenzene
Concen: 21.382 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.6	34.6





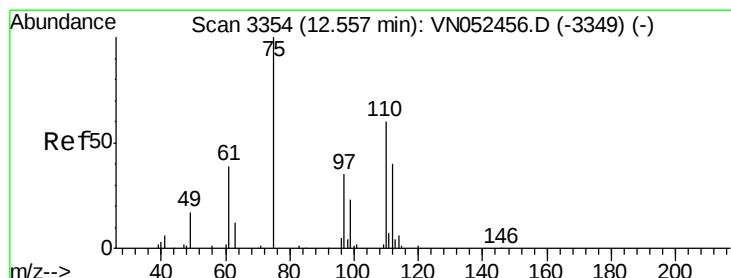
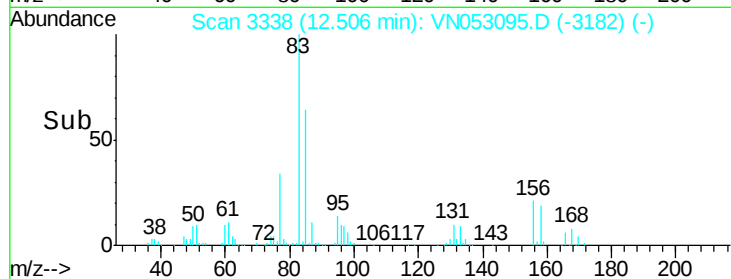
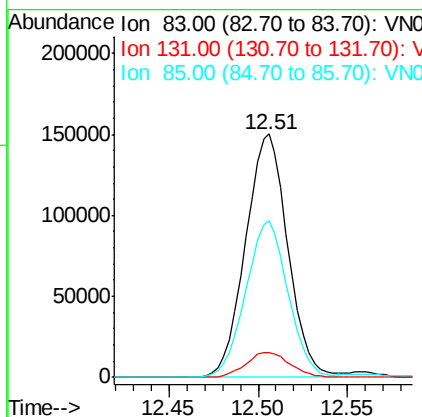
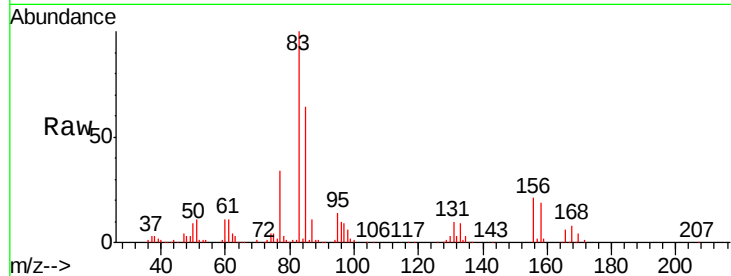
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.864 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.6
85	64.3	32.2	96.6

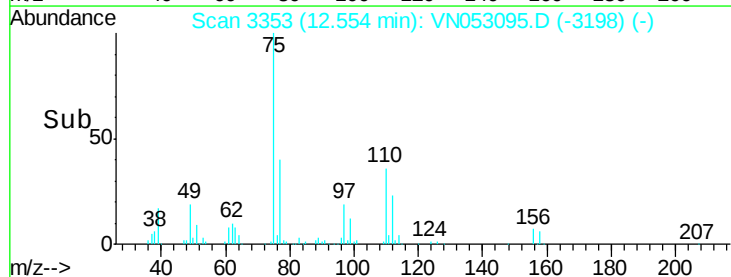
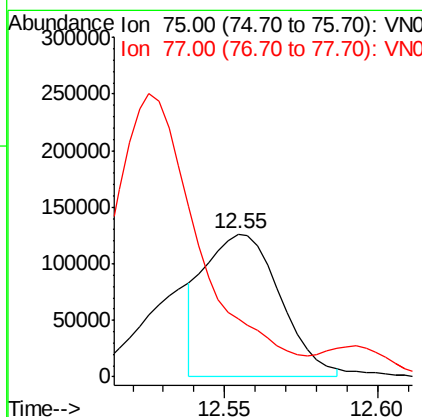
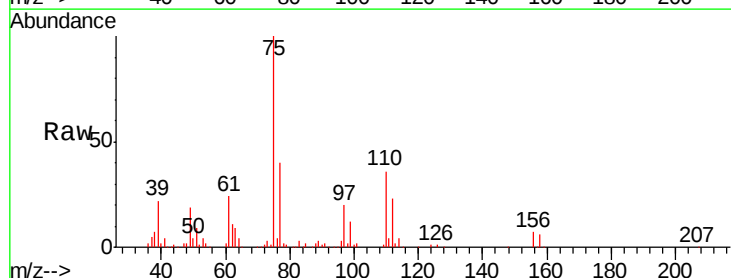
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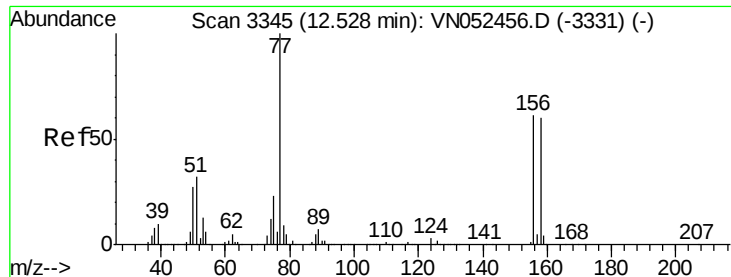
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#72
 1,2,3-Trichloropropane
 Concen: 23.079 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	229.3	0.0	514.8





#73

Bromobenzene

Concen: 22.620 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

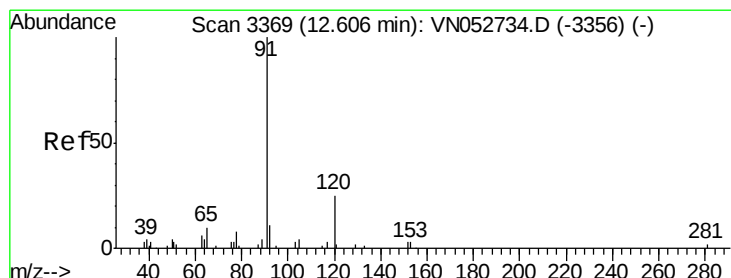
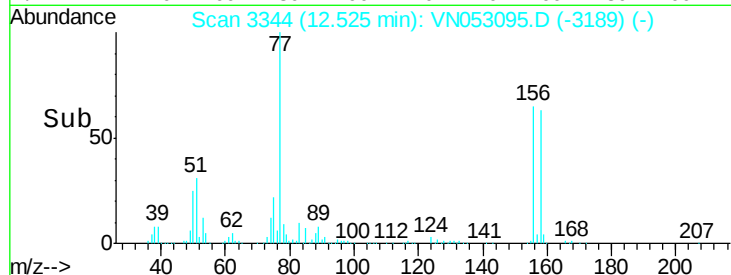
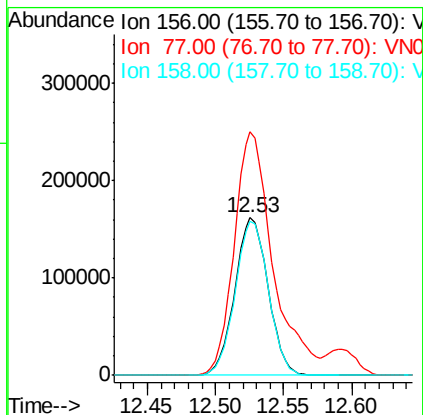
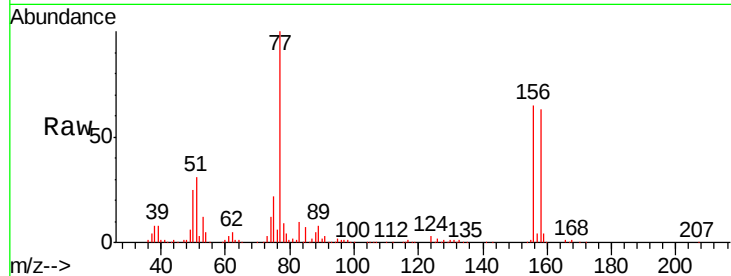
ClientSampleId :

VN1221WBS01

Tgt Ion:	156	Resp:	273986
Ion Ratio	Lower	Upper	
156	100		
77	180.6	0.0	382.6
158	97.5	0.0	196.8

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#74

n-propylbenzene

Concen: 20.348 ug/l

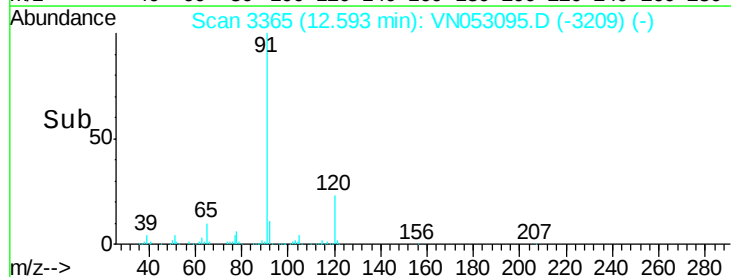
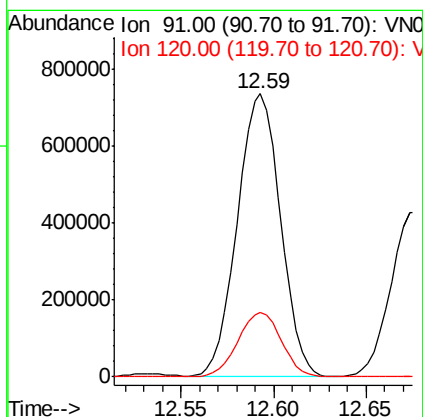
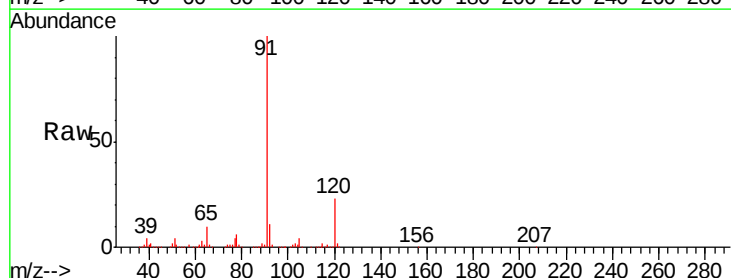
RT: 12.59 min Scan# 3365

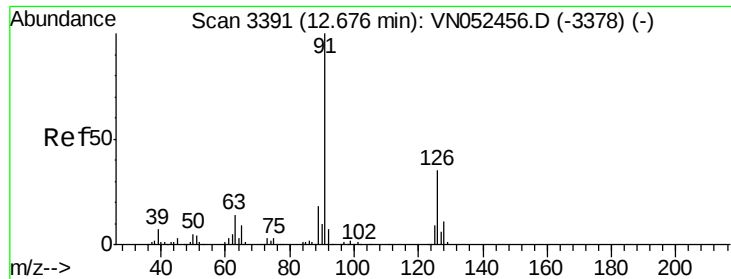
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	91	Resp:	1187337
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 21.074 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

Tgt Ion: 91 Resp: 713784

Ion Ratio Lower Upper

91 100

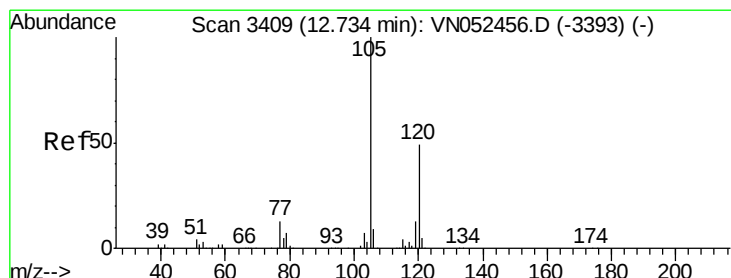
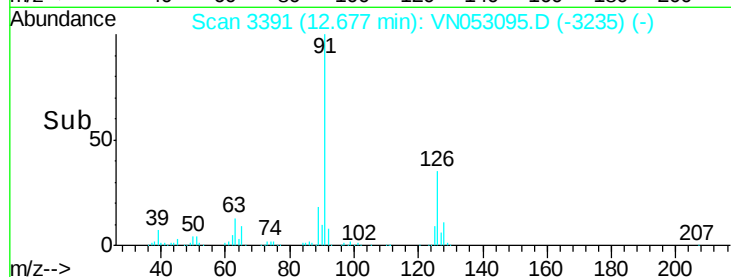
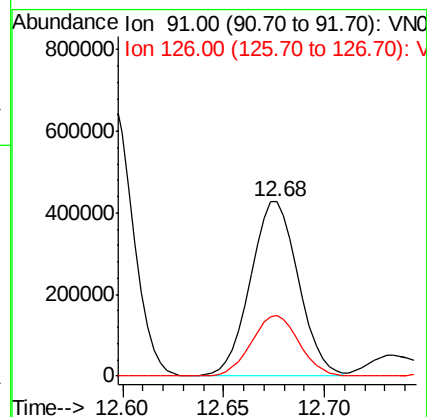
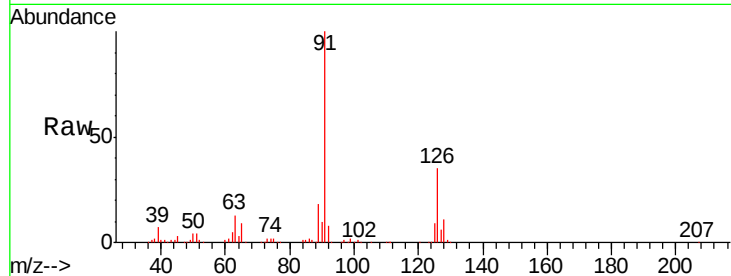
126 34.7 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.768 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053095.D

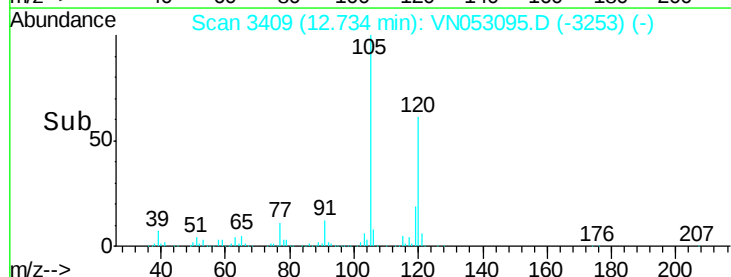
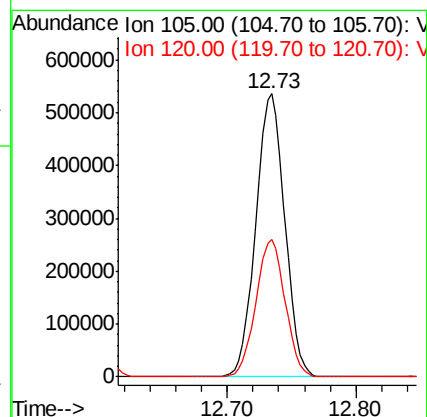
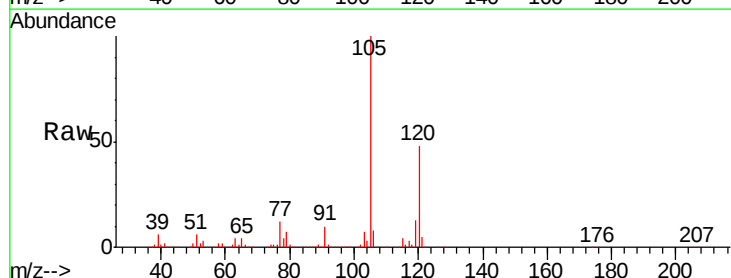
Acq: 21 Dec 2018 10:44

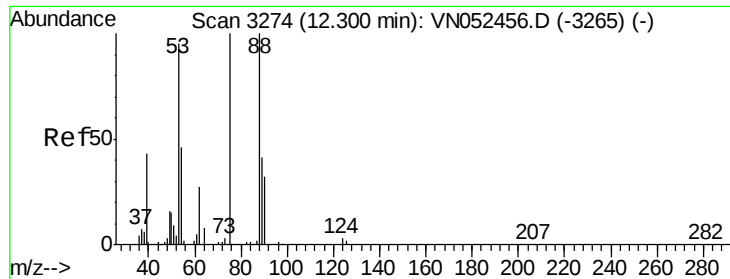
Tgt Ion: 105 Resp: 840086

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





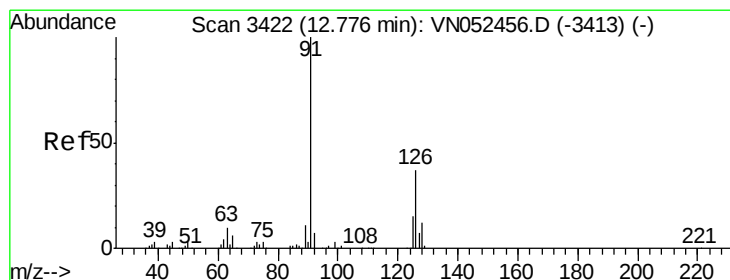
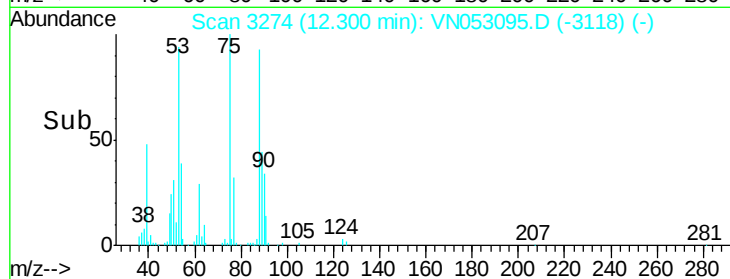
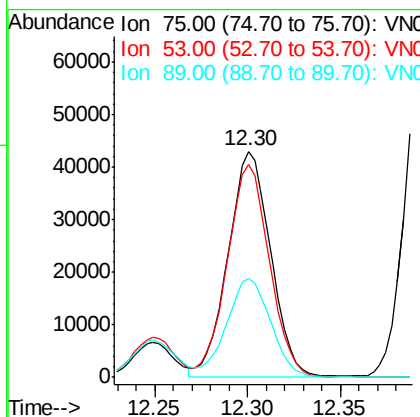
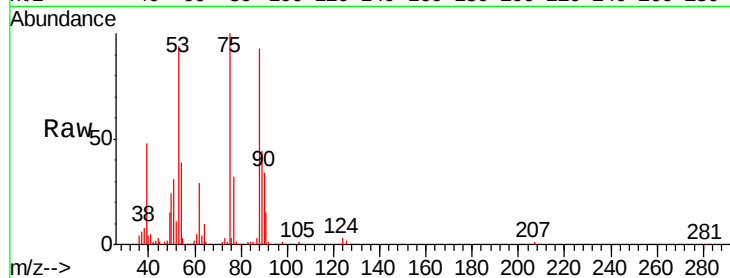
#77
t-1,4-Dichloro-2-butene
Concen: 23.229 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.2	48.5	145.6
89	44.4	21.7	65.1

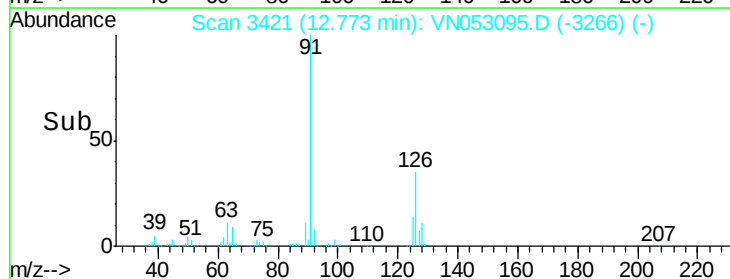
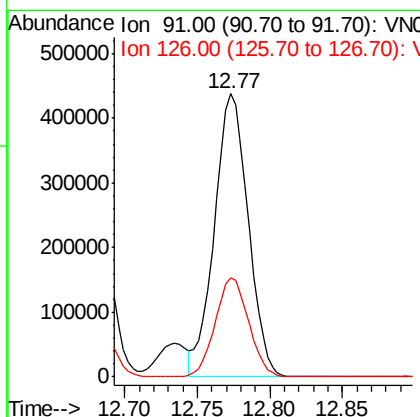
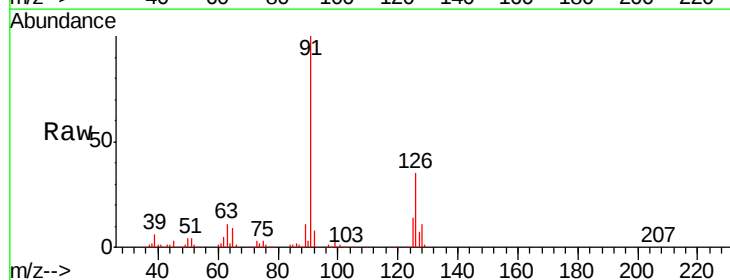
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#78
4-Chlorotoluene
Concen: 20.975 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.2





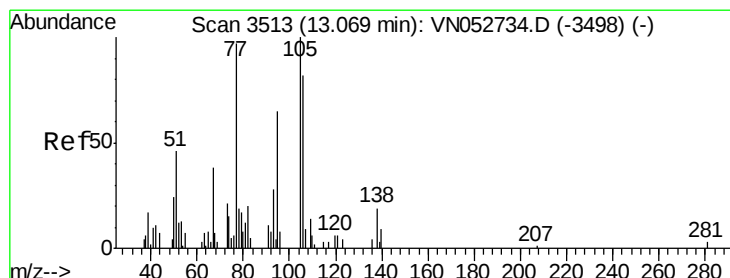
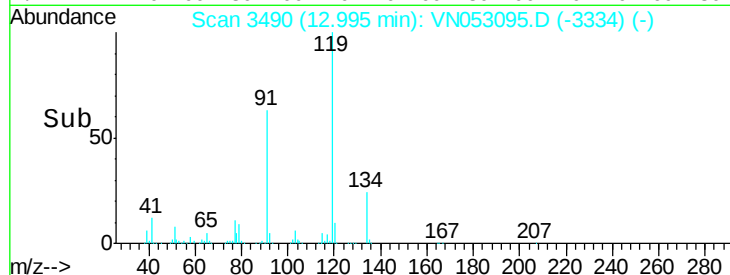
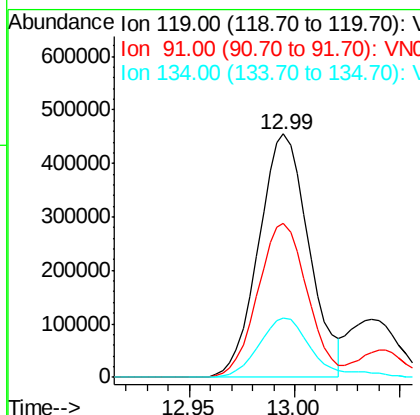
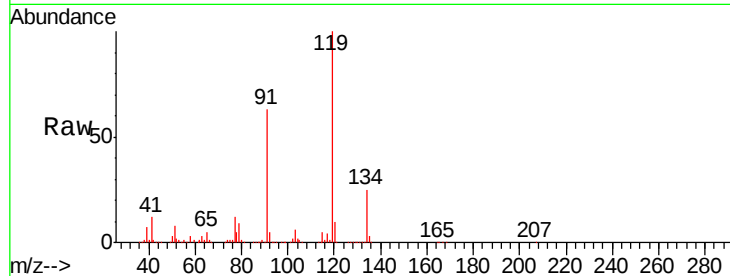
#79
tert-butylbenzene
Concen: 21.401 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	753917		
91	62.8	0.0	129.8	
134	25.8	0.0	52.2	

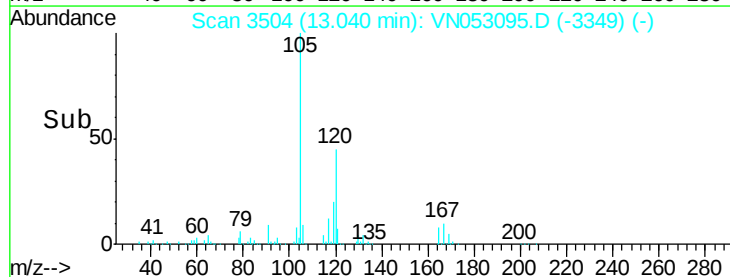
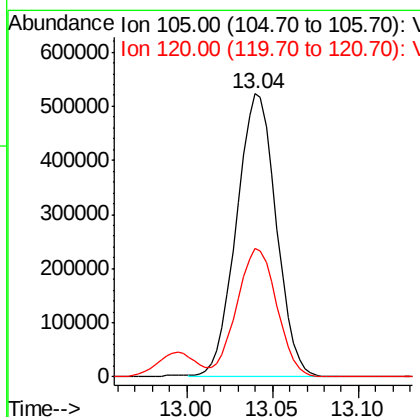
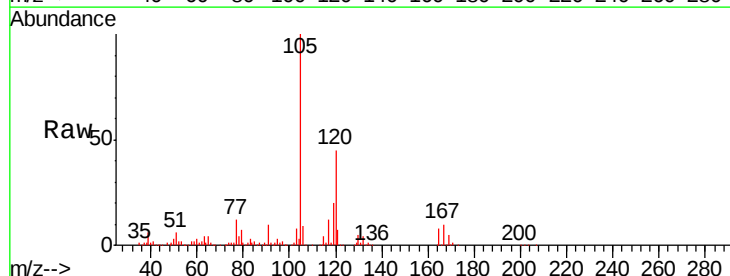
Manual Integrations
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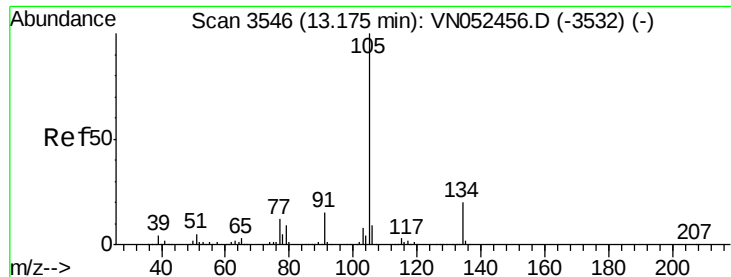
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#80
1,2,4-Trimethylbenzene
Concen: 20.690 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	837457		
120	46.1	0.0	91.0	





#81

sec-Butylbenzene

Concen: 19.873 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN1221WBS01

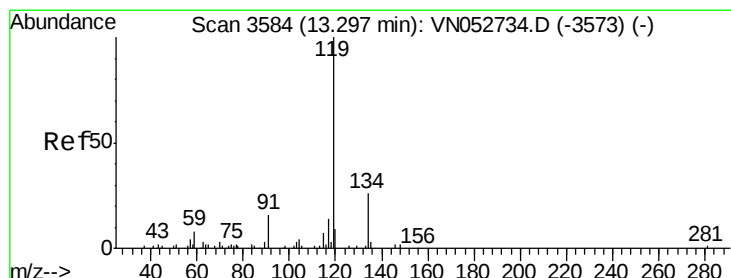
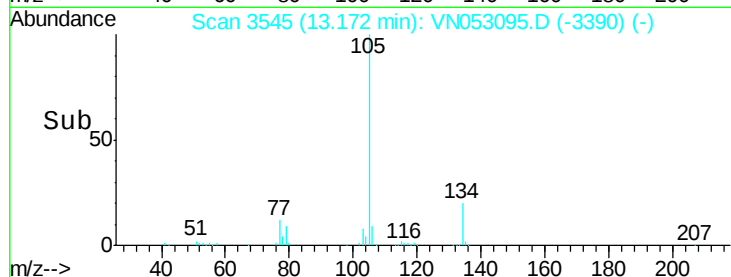
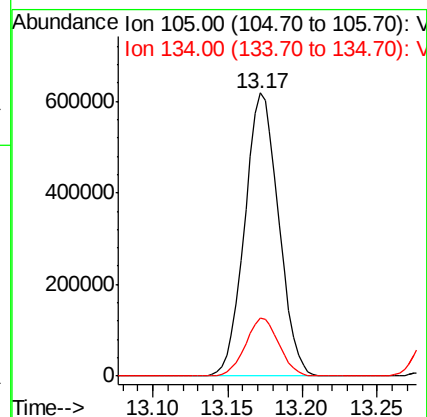
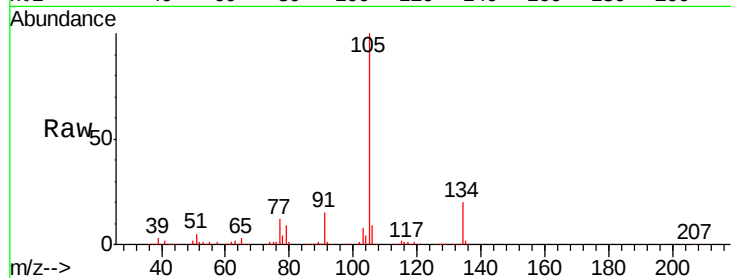
Tgt Ion:105 Resp: 975101
Ion Ratio Lower Upper

105 100

134 20.3 0.0 40.4

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 19.934 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053095.D

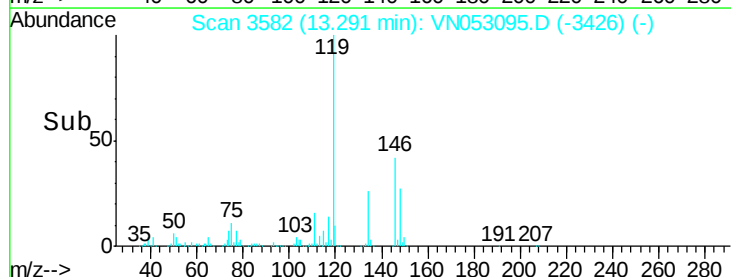
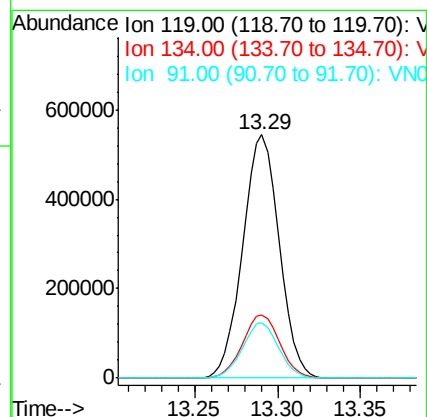
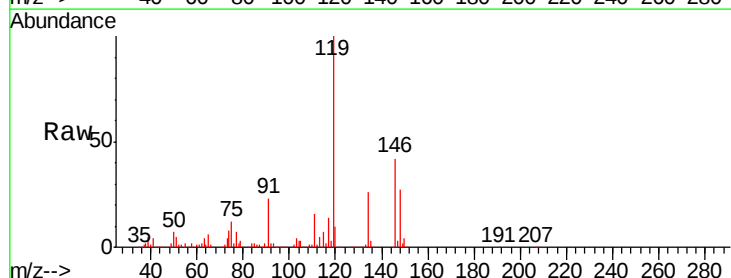
Acq: 21 Dec 2018 10:44

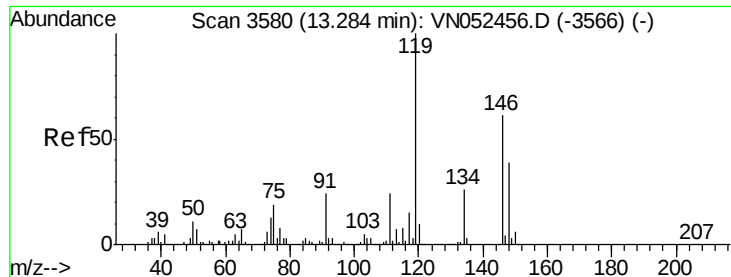
Tgt Ion:119 Resp: 832876
Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.6

91 22.5 0.0 46.2





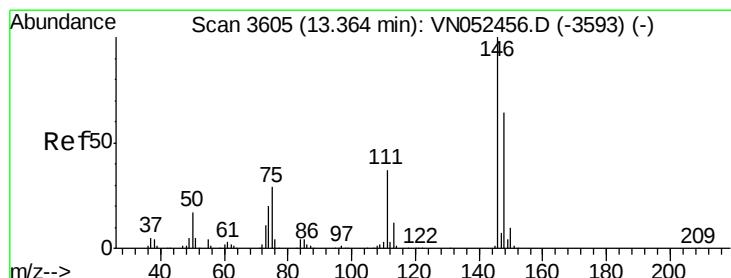
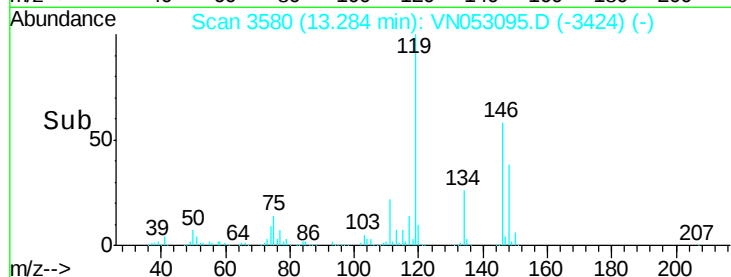
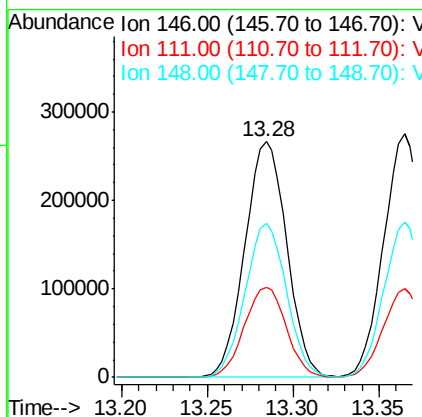
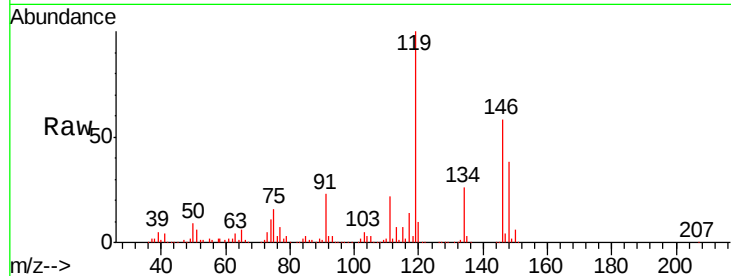
#83
1,3-Dichlorobenzene
Concen: 21.118 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.5	32.3	96.8

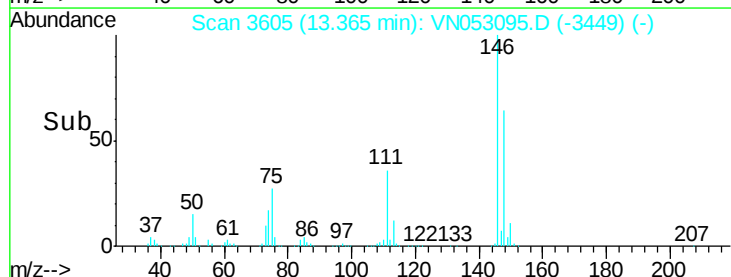
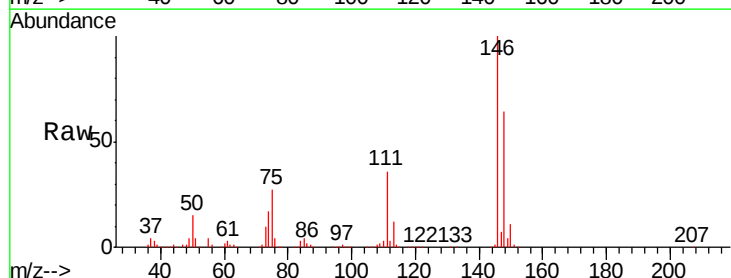
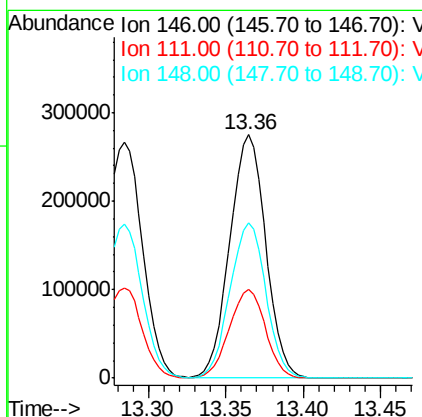
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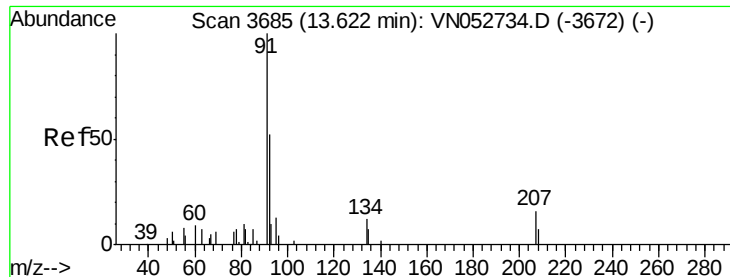
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#84
1,4-Dichlorobenzene
Concen: 21.583 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.7	32.5	97.4





#85

n-Butylbenzene

Concen: 18.280 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Instrument :

MSVOA_N

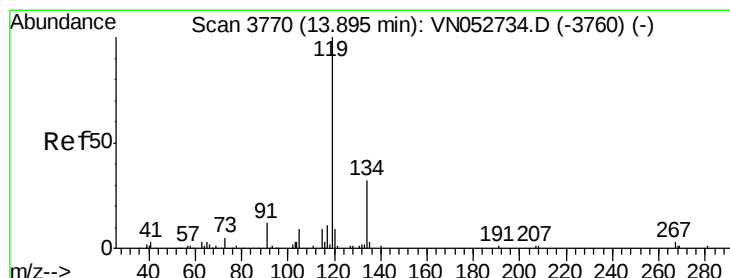
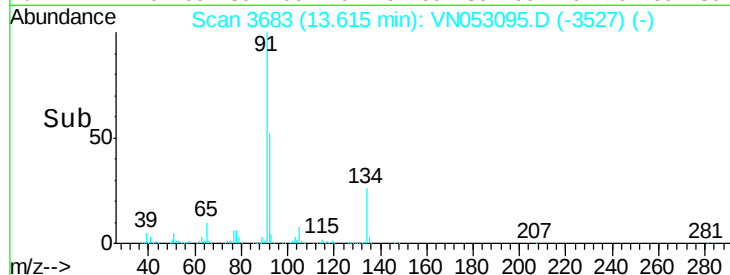
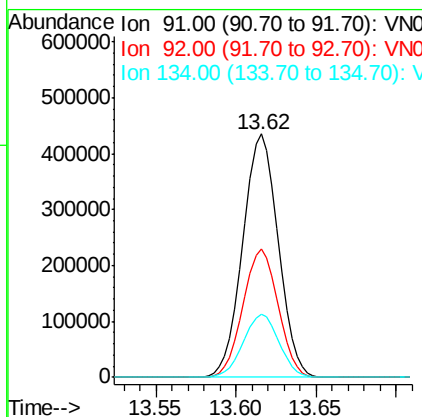
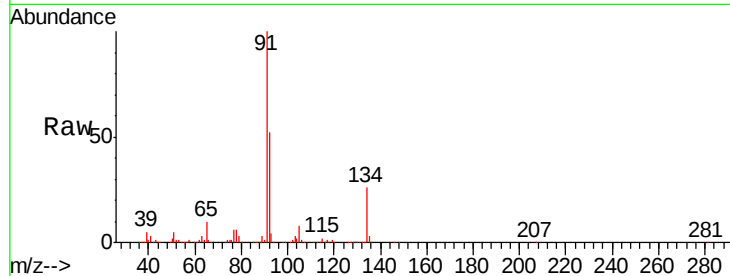
ClientSampleId :

VN1221WBS01

Tgt Ion:	91	Resp:	656067
Ion Ratio	Lower	Upper	
91	100		
92	52.3	0.0	104.2
134	26.4	0.0	50.6

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#86

Hexachloroethane

Concen: 18.513 ug/l

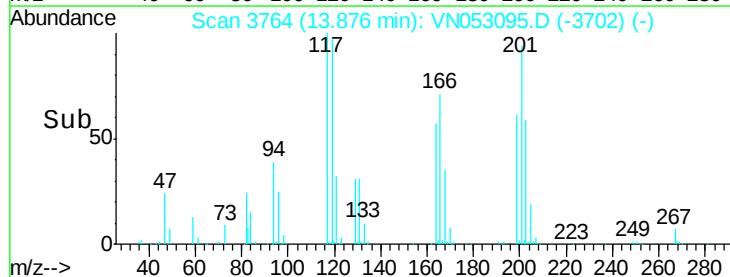
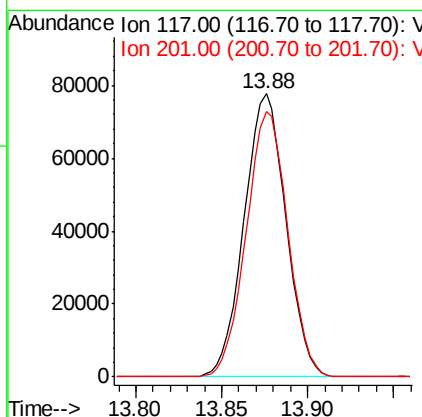
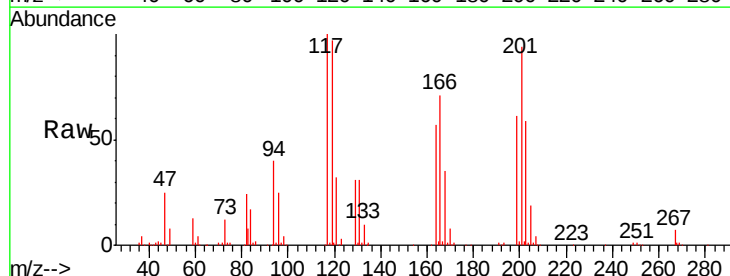
RT: 13.88 min Scan# 3764

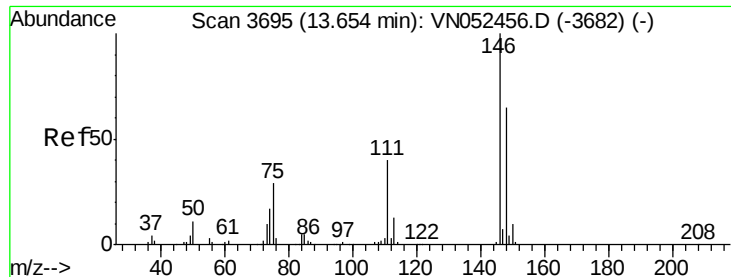
Delta R.T. 0.00 min

Lab File: VN053095.D

Acq: 21 Dec 2018 10:44

Tgt Ion:	117	Resp:	131062
Ion Ratio	Lower	Upper	
117	100		
201	93.1	43.8	131.3





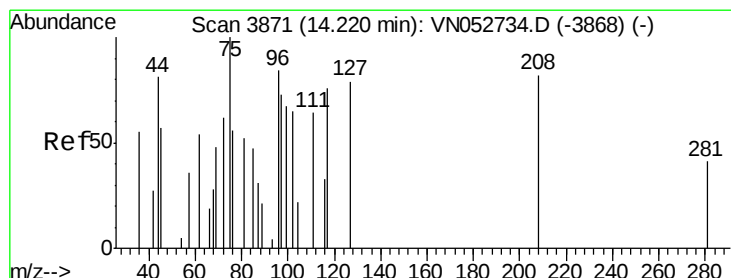
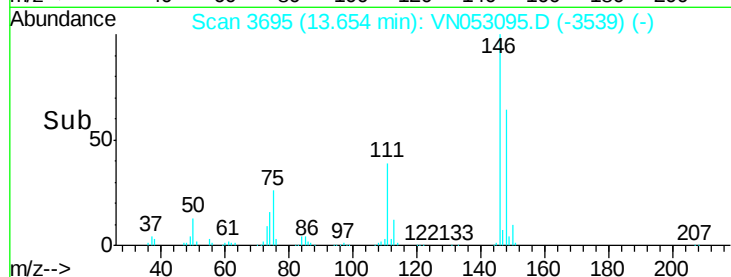
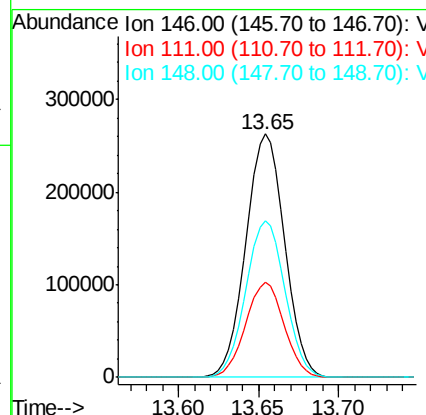
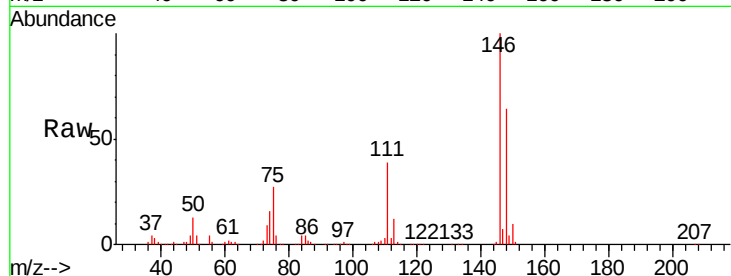
#87
 1,2-Dichlorobenzene
 Concen: 21.417 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	64.9	32.1	96.5

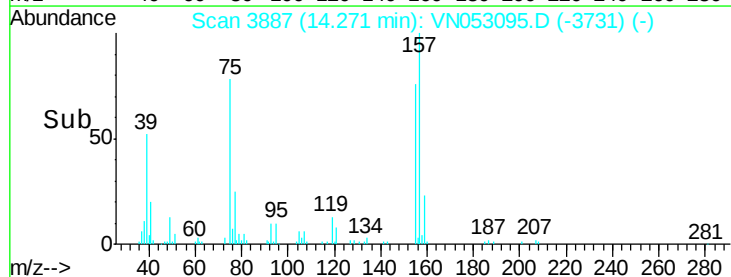
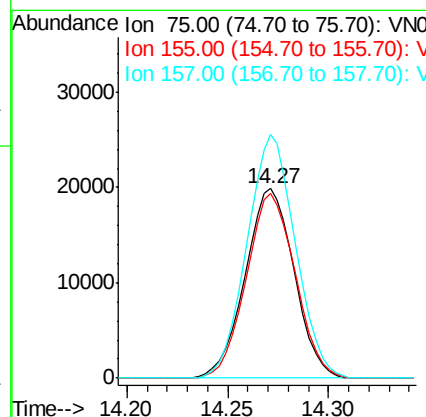
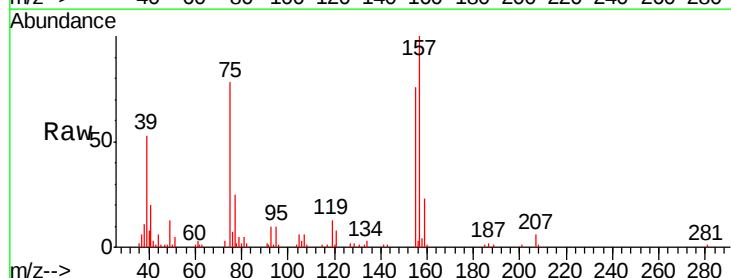
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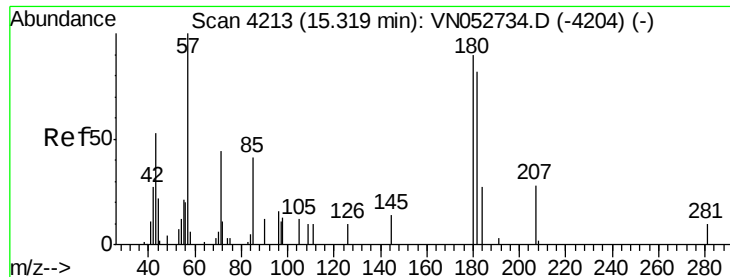
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.156 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053095.D
 Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	72.2	108.2
157	127.0	94.2	141.2





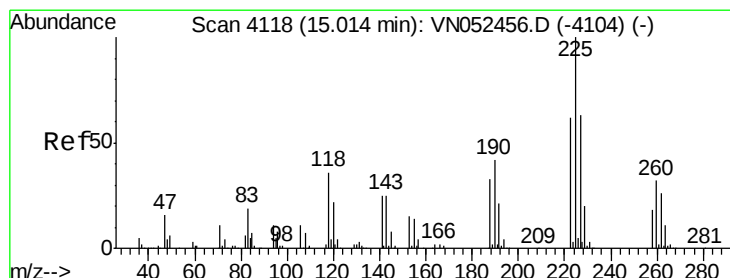
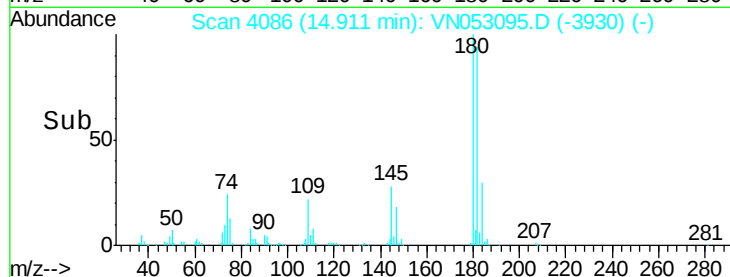
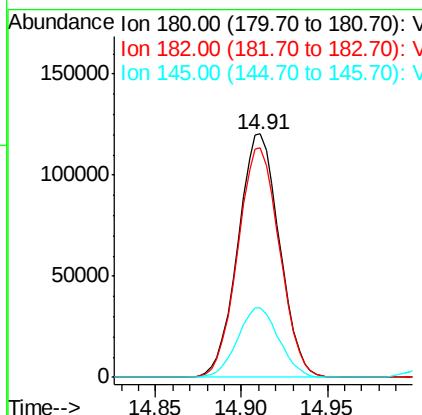
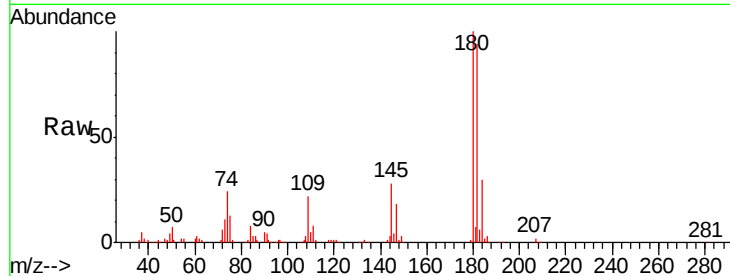
#89
1,2,4-Trichlorobenzene
Concen: 20.207 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201815		
182	94.9	76.6	114.8	
145	28.6	23.6	35.4	

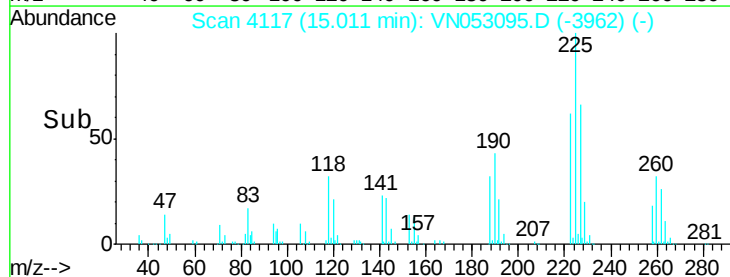
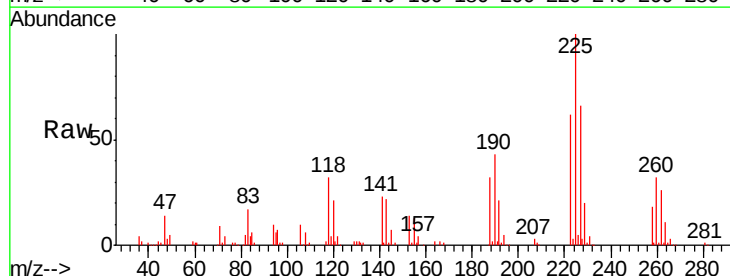
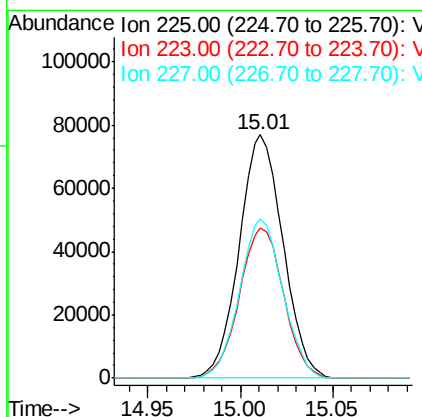
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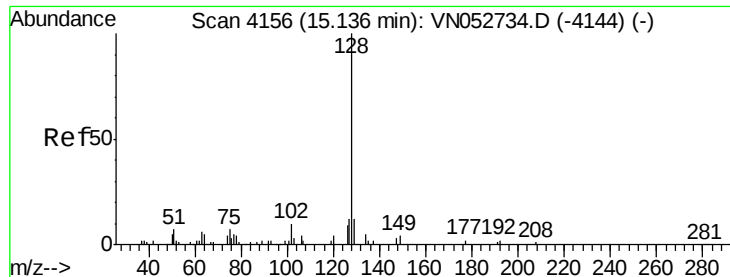
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#90
Hexachlorobutadiene
Concen: 19.307 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126495		
223	62.5	0.0	125.6	
227	64.6	0.0	127.8	





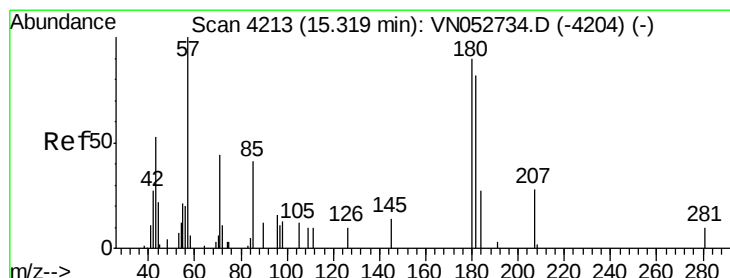
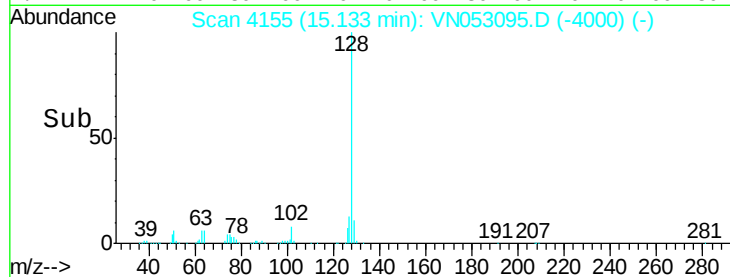
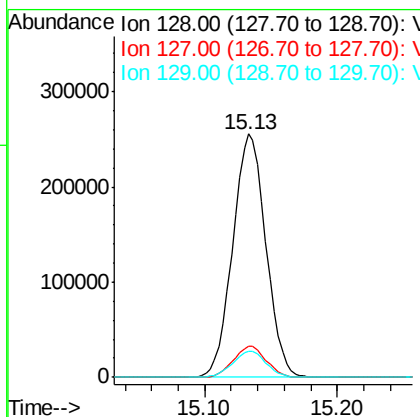
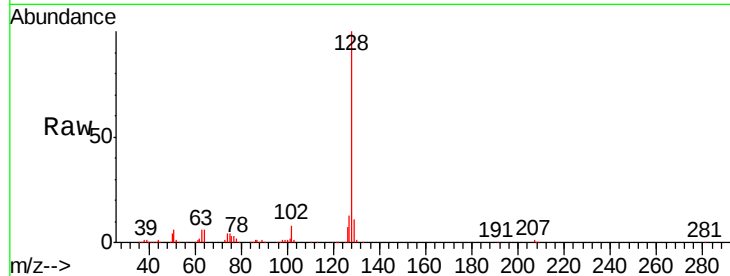
#91
Naphthalene
Concen: 21.974 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1221WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	443200		
127	12.7	9.9	14.9	
129	11.0	8.5	12.7	

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#92
1,2,3-Trichlorobenzene
Concen: 20.175 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053095.D
Acq: 21 Dec 2018 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	185695		
182	96.5	0.0	196.2	
145	30.7	0.0	62.2	

