

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053234.D
 Acq On : 28 Dec 2018 19:24
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:50:16 AM

Quant Time: Dec 28 23:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	163439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	958813	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	855874	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	317949	30.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.07%
60) 4-Bromofluorobenzene	12.40	95	384692	29.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.90%
63) Toluene-d8	10.09	98	1159600	30.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	217441	19.967 ug/l	98
3) Chloromethane	2.06	50	256379	20.060 ug/l	98
4) Vinyl Chloride	2.19	62	248598	19.766 ug/l	96
5) Bromomethane	2.58	94	159153	19.627 ug/l	100
6) Chloroethane	2.71	64	143115	19.754 ug/l	100
7) Trichlorofluoromethane	3.03	101	310791	20.010 ug/l	99
8) Diethyl Ether	3.42	74	118048	20.457 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	188844	19.352 ug/l	97
10) 1,1-Dichloroethene	3.74	96	185304	19.458 ug/l	99
11) Methyl Iodide	3.96	142	267758	19.199 ug/l	99
12) Methyl Acetate	4.33	43	151777	20.448 ug/l	97
13) Acrolein	3.61	56	89470	100.959 ug/l	100
14) Acrylonitrile	4.99	53	353854	106.563 ug/l	99
15) Acetone	3.82	58	79807	113.086 ug/l	90
16) Carbon Disulfide	4.06	76	564848	19.281 ug/l	100
17) Allyl chloride	4.33	41	301303	20.112 ug/l	99
18) Methylene Chloride	4.56	84	218348	20.034 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	199176	19.790 ug/l	94
20) Diisopropyl ether	5.95	45	652898	20.350 ug/l	96
21) 1,1-Dichloroethane	5.85	63	371752	19.900 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	230866	20.364 ug/l	95
23) tert-Butyl Alcohol	4.78	59	64570	115.350 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	516492	20.799 ug/l	96
25) Chloroform	7.37	83	362066	20.164 ug/l	98
26) Cyclohexane	7.66	56	338129	19.406 ug/l	# 97
29) 1,1-Dichloropropene	7.80	75	284216	19.569 ug/l	99
30) 2-Butanone	6.84	43	393915	108.713 ug/l	98
31) 2,2-Dichloropropane	6.83	77	234712	16.693 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	302422	19.874 ug/l	97
33) Carbon Tetrachloride	7.78	117	261144	19.605 ug/l	99
34) Benzene	8.04	78	871715	19.971 ug/l	98
35) Methacrylonitrile	7.17	41	94917	20.300 ug/l	94
36) 1,2-Dichloroethane	8.13	62	253812	20.031 ug/l	99
37) Trichloroethene	8.84	130	233547	19.752 ug/l	95
38) Methylcyclohexane	9.08	83	318429	18.745 ug/l	97
39) 1,2-Dichloropropane	9.12	63	229341	20.122 ug/l	97
40) Dibromomethane	9.21	93	131756	20.441 ug/l	95

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

41) Bromodichloromethane	9.41	83	269652	19.480	ug/l	100
42) Vinyl Acetate	5.90	43	2055003	103.955	ug/l	97
43) Ethyl Acetate	6.93	43	172339	21.298	ug/l #	68
44) Isopropyl Acetate	8.17	43	323561	21.465	ug/l	100
45) 1,4-Dioxane	9.20	88	39150	424.733	ug/l	93
46) Methyl methacrylate	9.20	41	158910	20.868	ug/l	95
47) n-amyl Acetate	12.07	43	270278	20.417	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	270533	19.148	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	321106	19.302	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	189005	20.451	ug/l	99
51) Ethyl methacrylate	10.43	69	250784	20.820	ug/l	93
52) 1,3-Dichloropropane	10.71	76	324698	20.395	ug/l	99
53) Dibromochloromethane	10.90	129	203878	19.641	ug/l	97
54) 1,2-Dibromoethane	11.01	107	188743	20.244	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	710745	102.819	ug/l	98
56) Bromoform	12.13	173	138184	19.460	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	898475	110.167	ug/l	97
59) 2-Hexanone	10.75	43	604957	107.446	ug/l	96
61) Tetrachloroethene	10.63	164	254414	20.115	ug/l	96
62) Toluene	10.16	91	930398	19.821	ug/l	100
64) Chlorobenzene	11.43	112	583684	19.816	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	199193	19.278	ug/l	99
66) Ethyl Benzene	11.51	91	998645	19.619	ug/l	99
67) m/p-Xylenes	11.62	106	754824	39.209	ug/l	98
68) o-Xylene	11.95	106	369869	19.827	ug/l	97
69) Styrene	11.97	104	598000	19.638	ug/l	99
70) Isopropylbenzene	12.25	105	963948	19.639	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	216809	20.984	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	187713m	20.746	ug/l	
73) Bromobenzene	12.53	156	243464	19.297	ug/l	96
74) n-propylbenzene	12.59	91	1063827	19.147	ug/l	98
75) 2-Chlorotoluene	12.68	91	646831	19.657	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	747548	19.200	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55522	17.464	ug/l	97
78) 4-Chlorotoluene	12.77	91	638188	19.053	ug/l	99
79) tert-butylbenzene	12.99	119	661947	19.494	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	746050	19.118	ug/l	99
81) sec-Butylbenzene	13.17	105	855100	19.017	ug/l	100
82) p-Isopropyltoluene	13.29	119	725626	18.675	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	400632	18.649	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	390766	18.661	ug/l	99
85) n-Butylbenzene	13.62	91	562312	17.796	ug/l	99
86) Hexachloroethane	13.88	117	116344	18.754	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	377617	18.918	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28634	19.378	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	180249	18.605	ug/l	99
90) Hexachlorobutadiene	15.01	225	108902	18.570	ug/l	98
91) Naphthalene	15.13	128	417325	20.302	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	173019	20.016	ug/l	97

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ClientSampleId :
VSTDCCC020EC

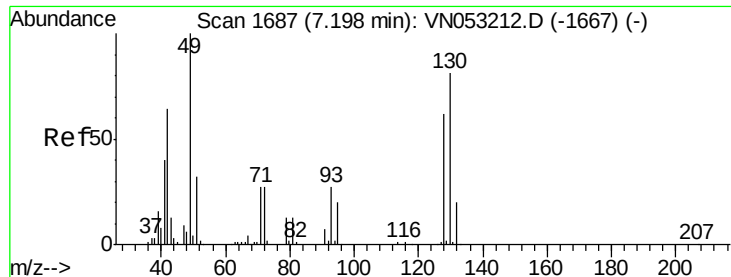
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

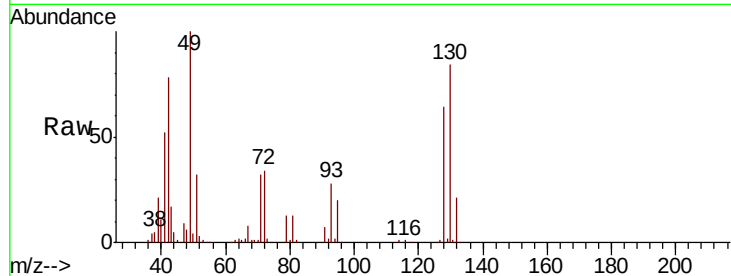
ClientSampleId :

VSTDCCC020EC

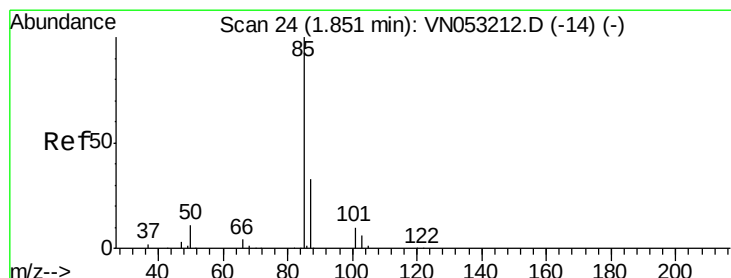
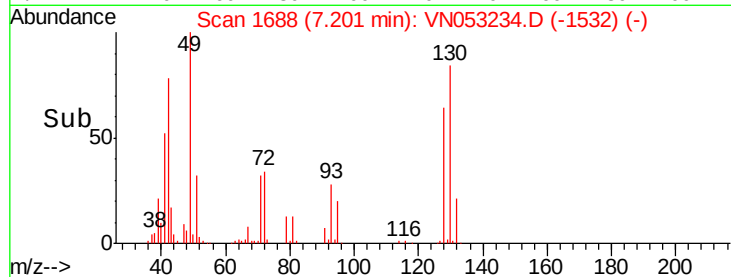
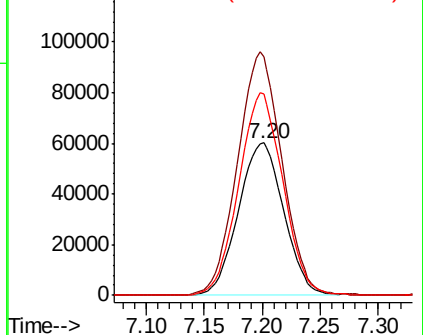
Tot Ion:	128	Resp:	163439
Ion	Ratio	Lower	Upper
128	100		
49	157.1	0.0	431.8
130	130.0	0.0	317.0

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.967 ug/l

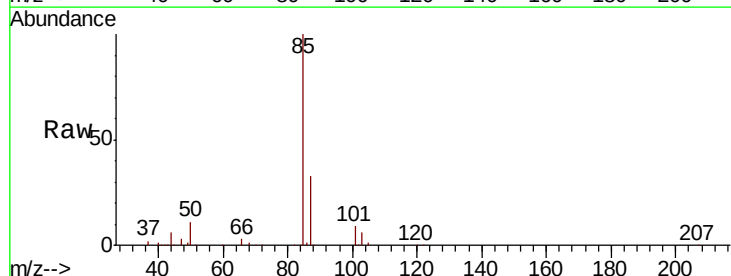
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

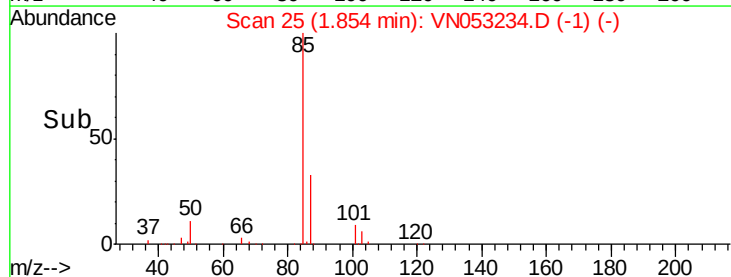
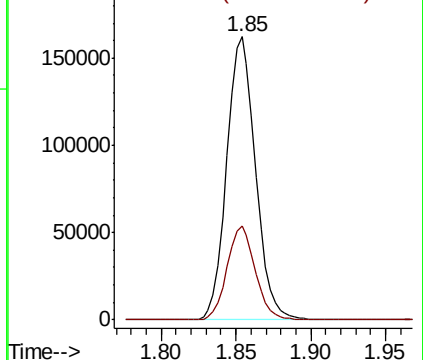
Lab File: VN053234.D

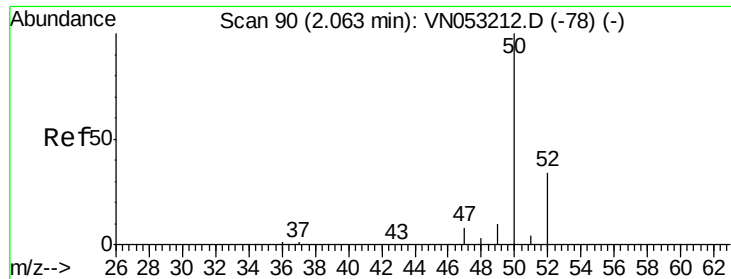
Acq: 28 Dec 2018 19:24

Tgt Ion:	85	Resp:	217441
Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.060 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 256379

Ion Ratio Lower Upper

50 100

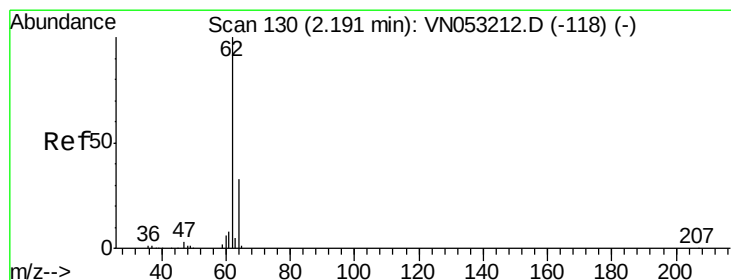
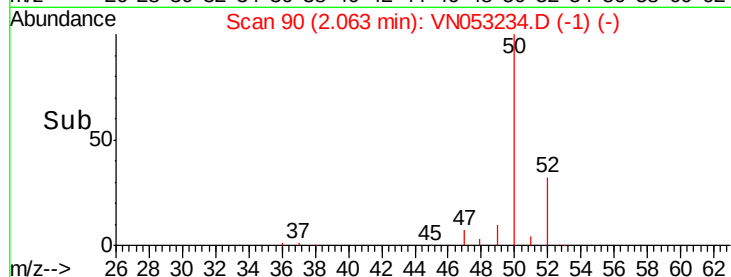
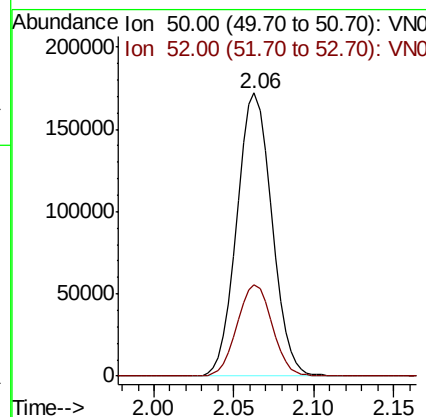
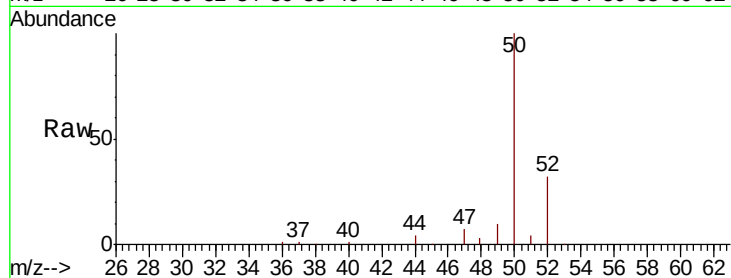
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.766 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053234.D

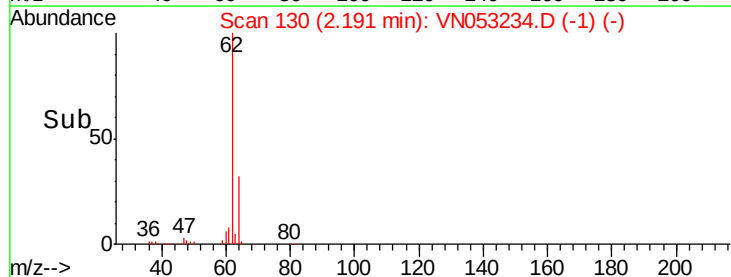
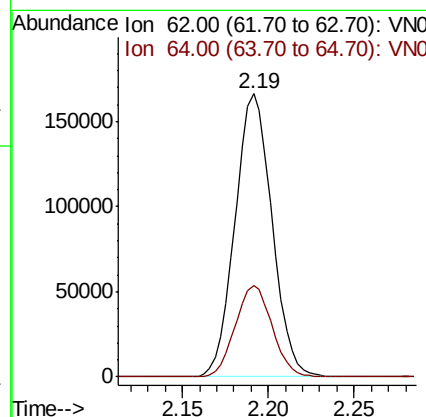
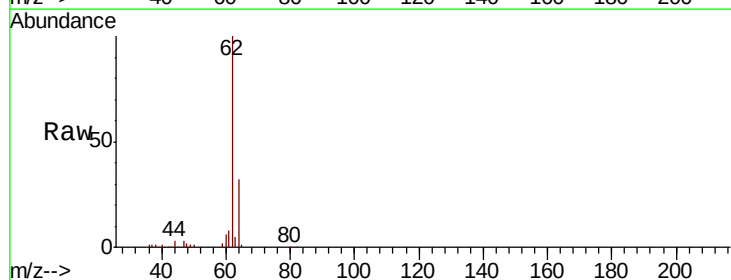
Acq: 28 Dec 2018 19:24

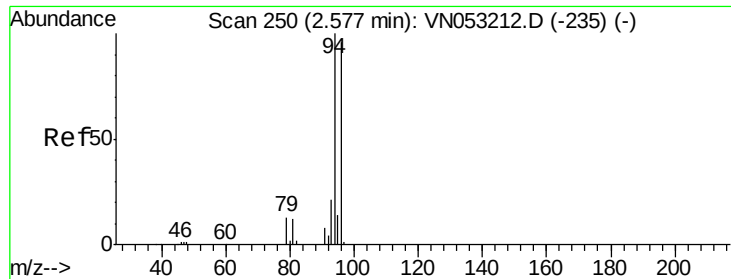
Tgt Ion: 62 Resp: 248598

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 19.627 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 159153

Ion Ratio Lower Upper

94 100

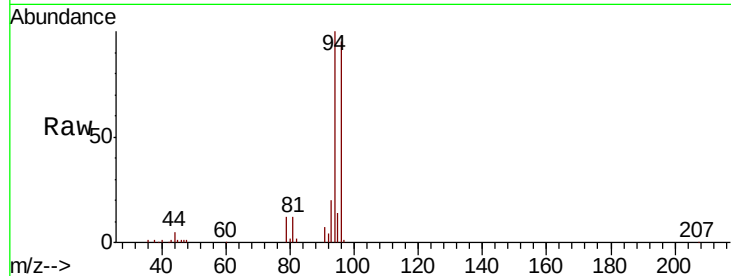
96 95.0 76.2 114.2

Manual Integrations

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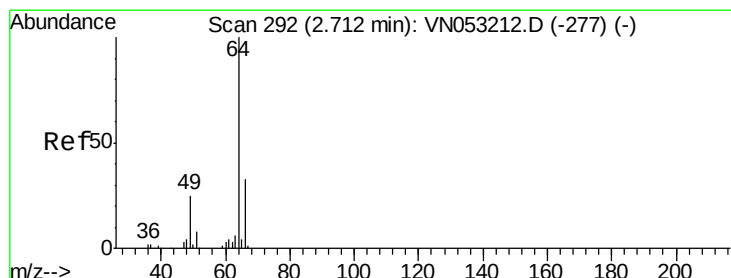
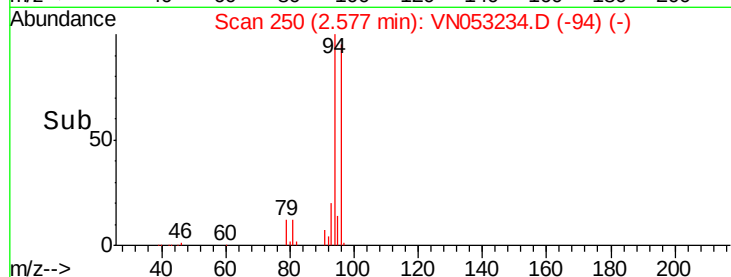
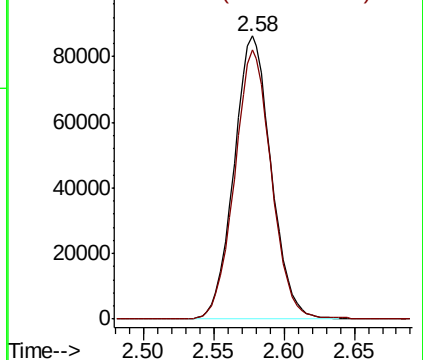
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 19.754 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN053234.D

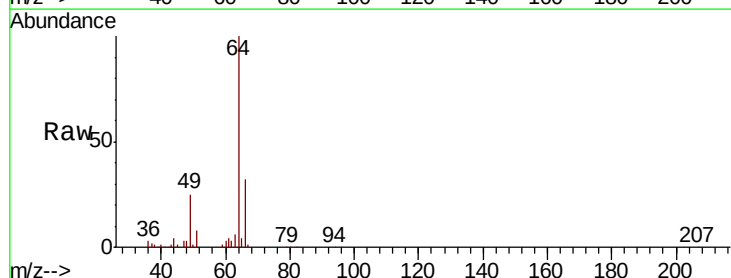
Acq: 28 Dec 2018 19:24

Tgt Ion: 64 Resp: 143115

Ion Ratio Lower Upper

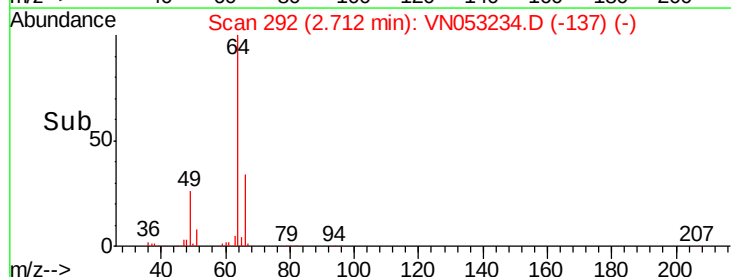
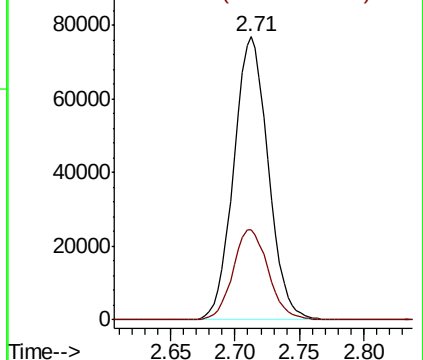
64 100

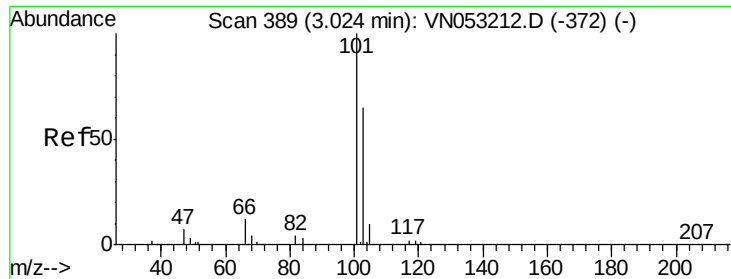
66 31.8 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

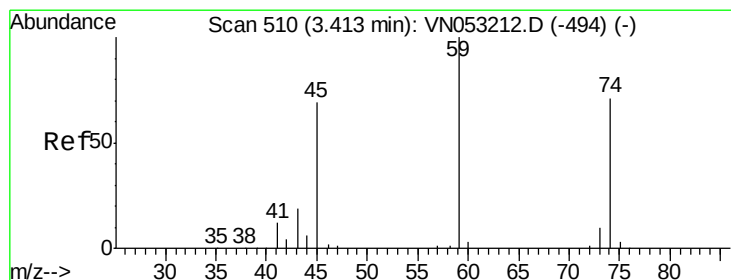
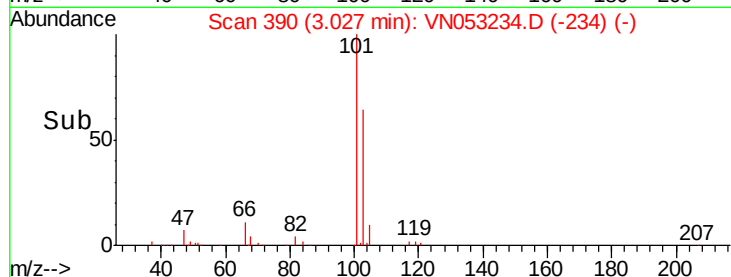
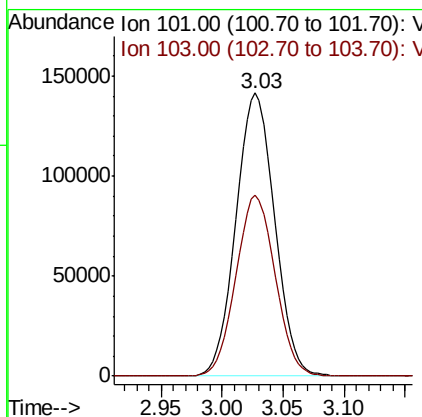
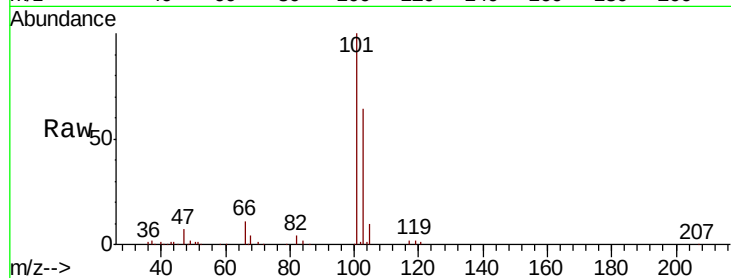
Trichlorofluoromethane
Concen: 20.010 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		310791		
103	63.9	52.1	78.1		

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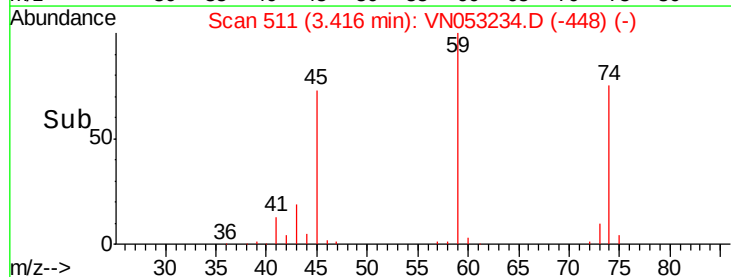
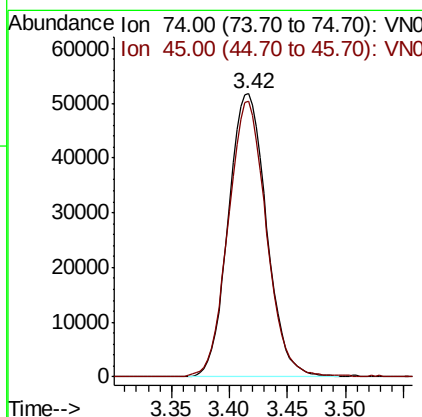
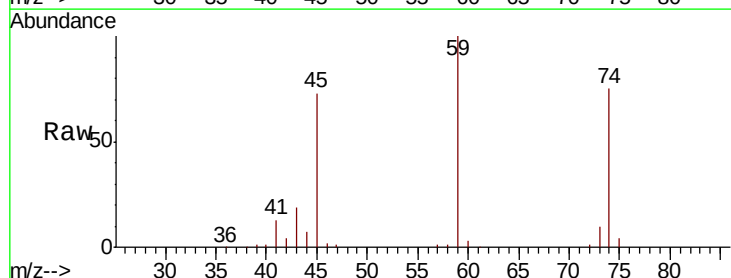
MMDadoda
1/2/2019 9:50:16 AM

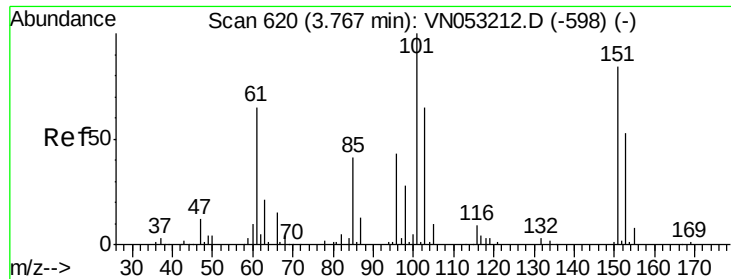


#8

Diethyl Ether
Concen: 20.457 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		118048		
45	96.8	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.352 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

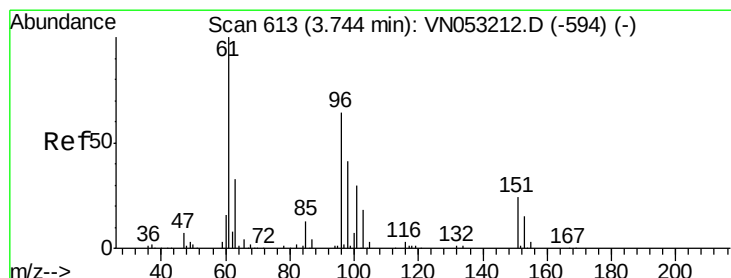
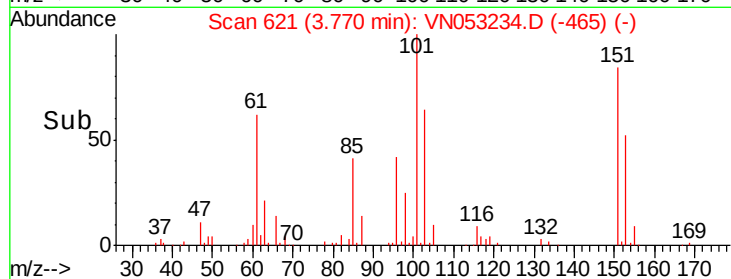
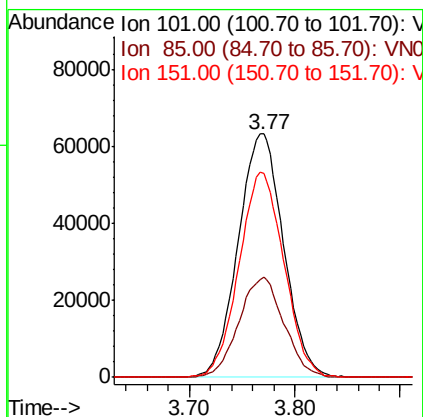
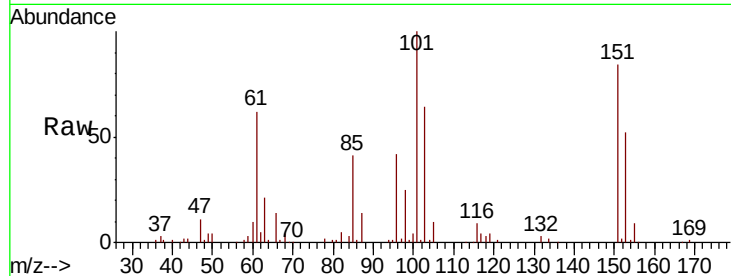
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	188844
Ion Ratio	Lower	Upper	
101	100		
85	40.8	0.0	82.6
151	83.3	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.458 ug/l

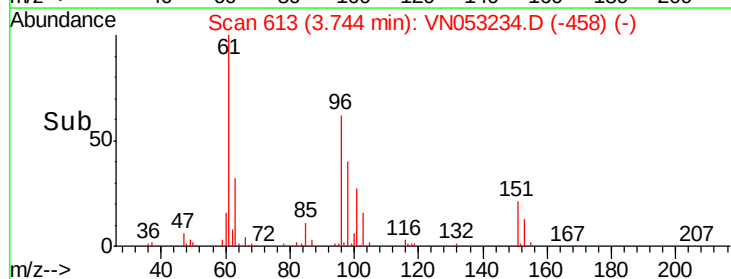
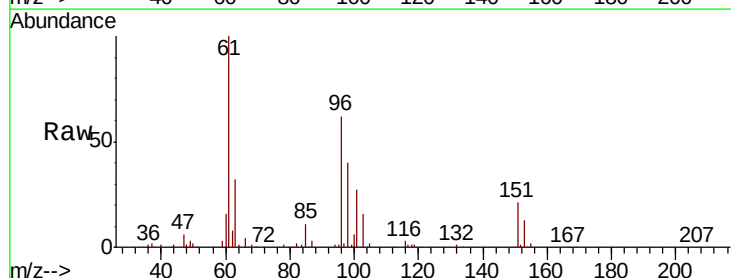
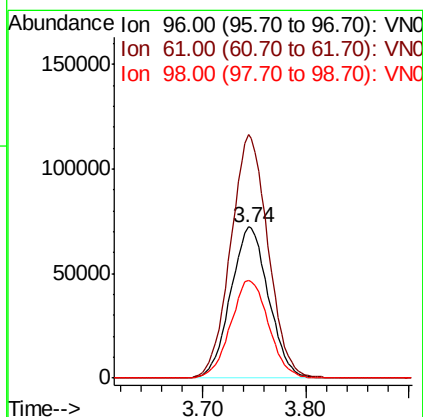
RT: 3.74 min Scan# 613

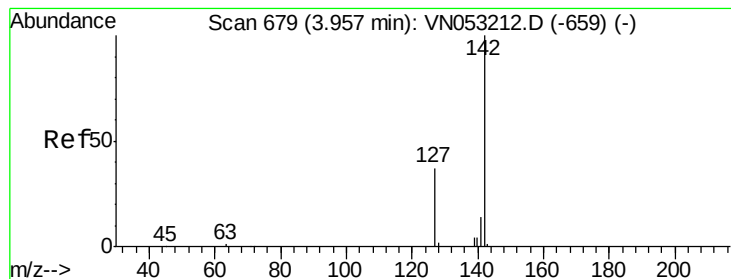
Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	96	Resp:	185304
Ion Ratio	Lower	Upper	
96	100		
61	160.7	129.4	194.2
98	64.7	50.4	75.6





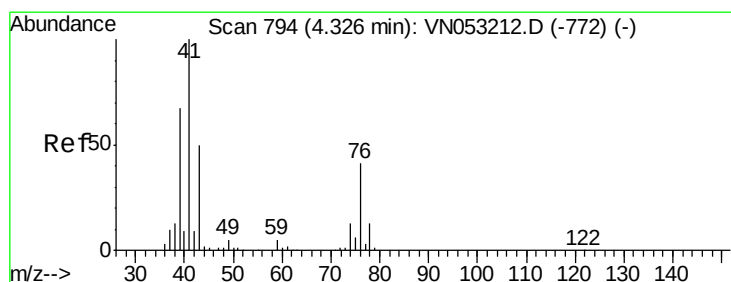
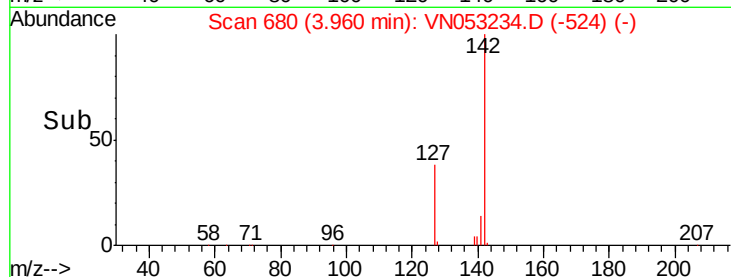
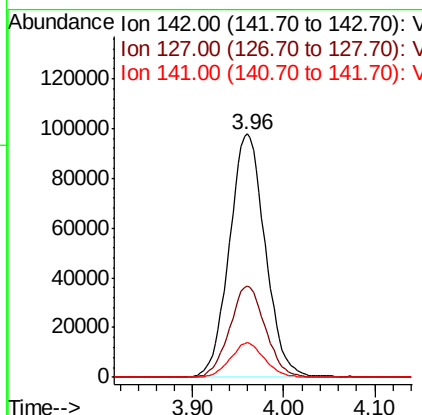
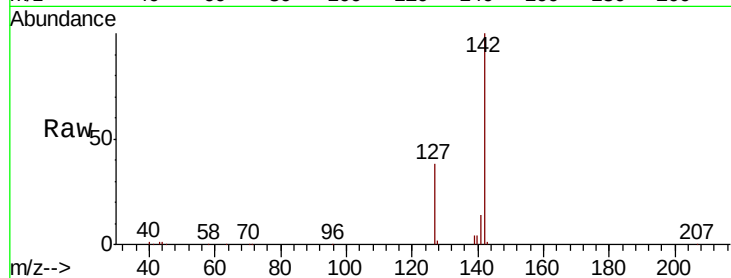
#11
Methvl Iodide
Concen: 19.199 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.8	19.4	58.1
141	14.2	7.2	21.6

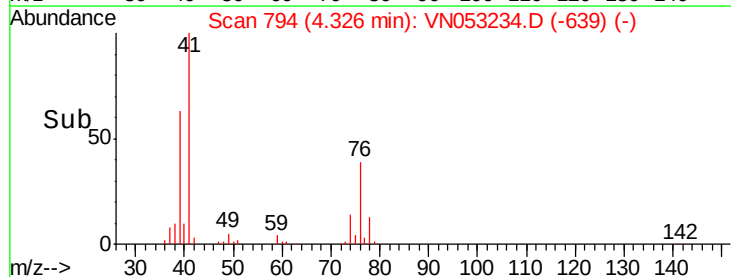
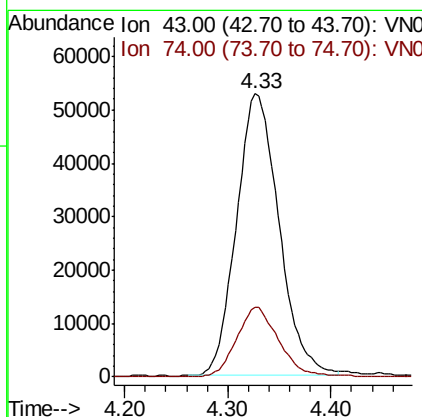
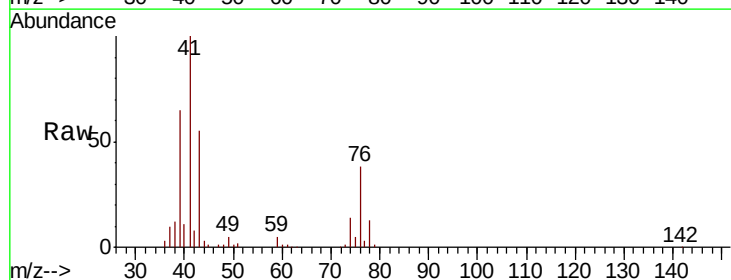
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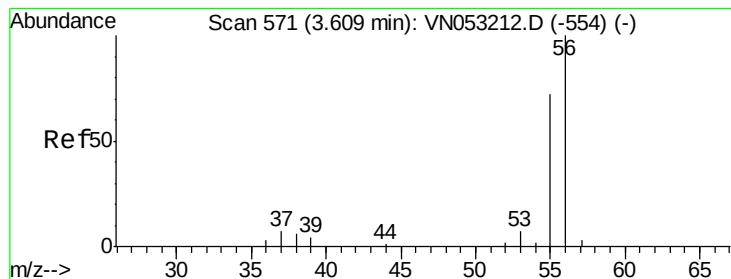
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#12
Methyl Acetate
Concen: 20.448 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3





#13

Acrolein

Concen: 100.959 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 89470

Ion Ratio Lower Upper

56 100

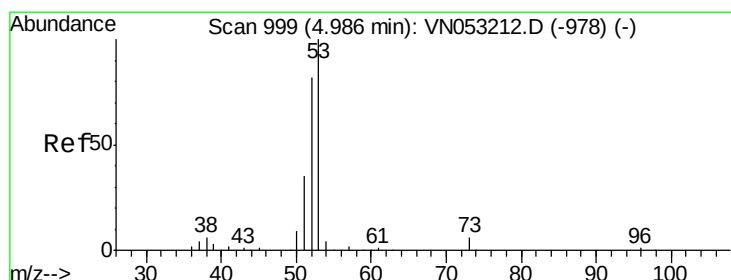
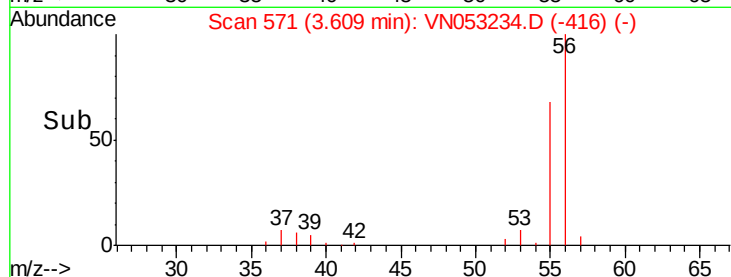
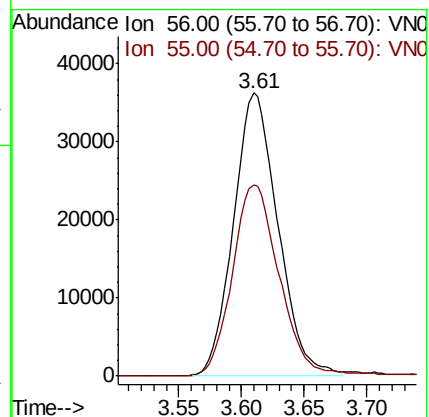
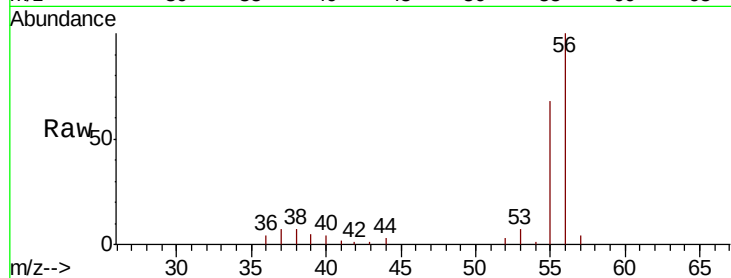
55 71.0 56.7 85.1

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#14

Acrylonitrile

Concen: 106.563 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

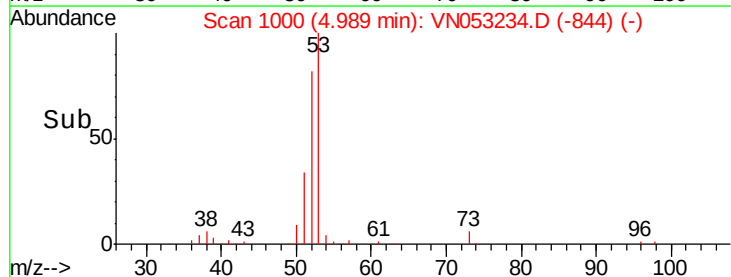
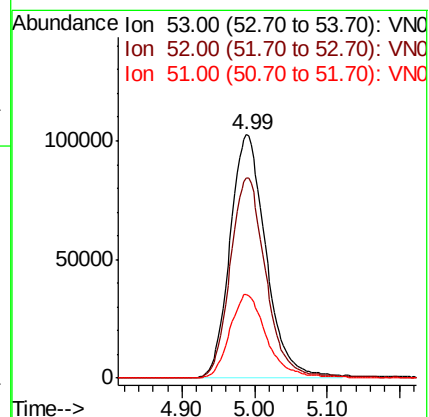
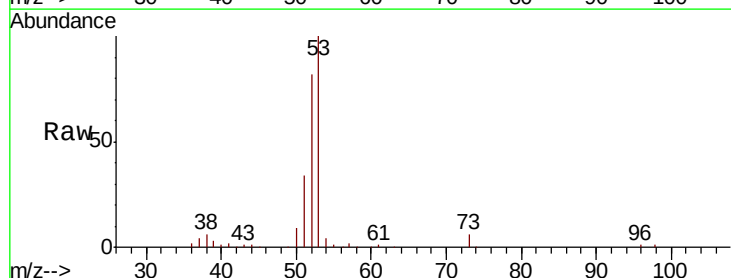
Tgt Ion: 53 Resp: 353854

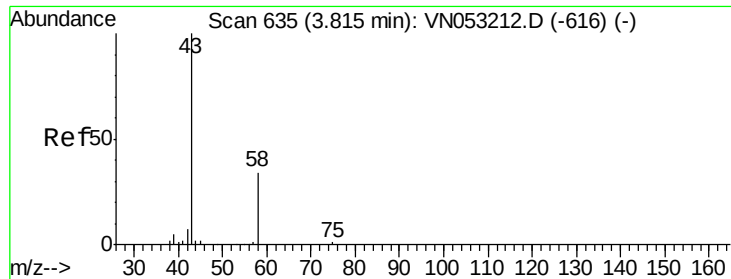
Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

51 34.7 17.6 52.9





#15

Acetone

Concen: 113.086 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 79807

Ion Ratio Lower Upper

58 100

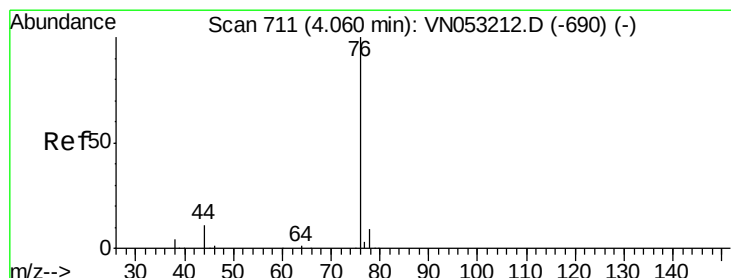
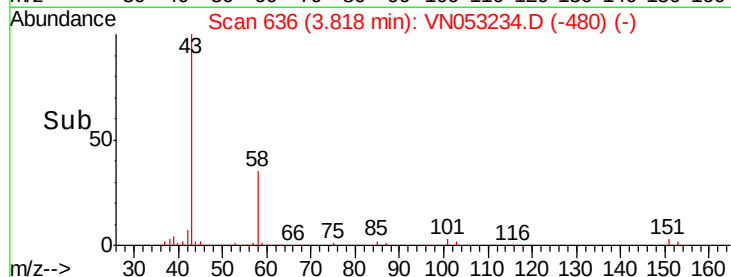
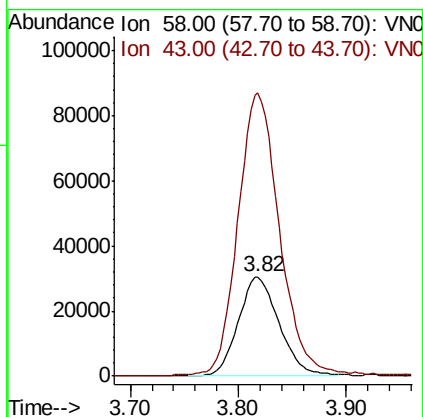
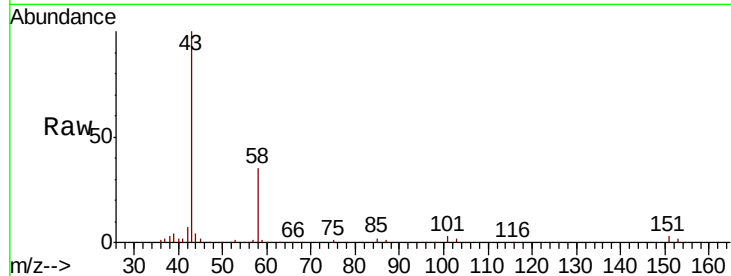
43 284.4 243.6 365.4

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#16

Carbon Disulfide

Concen: 19.281 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053234.D

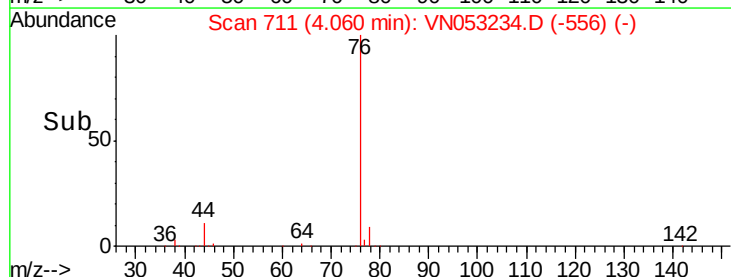
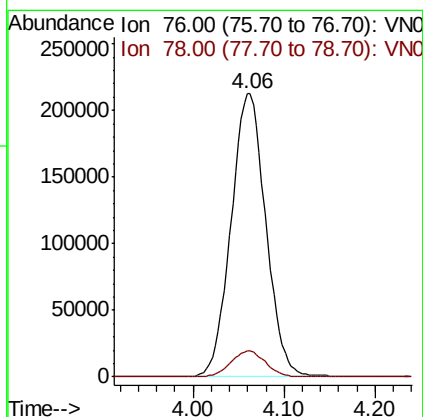
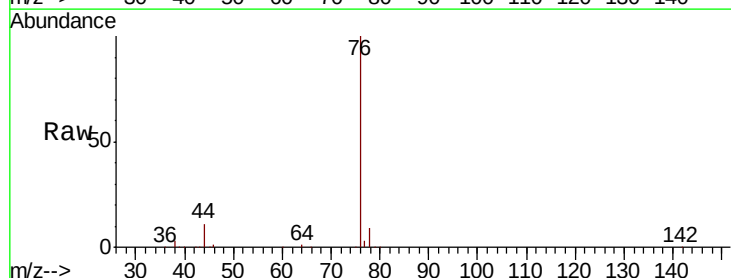
Acq: 28 Dec 2018 19:24

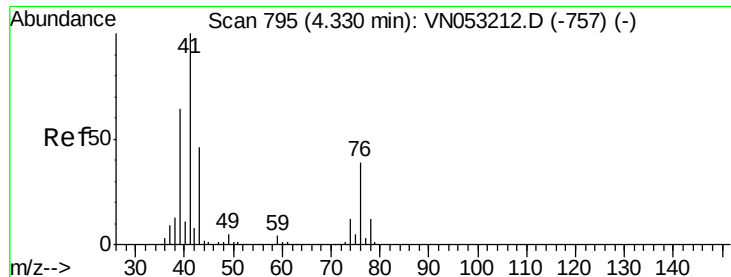
Tgt Ion: 76 Resp: 564848

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





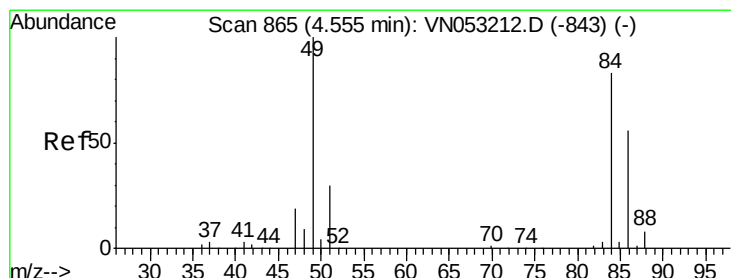
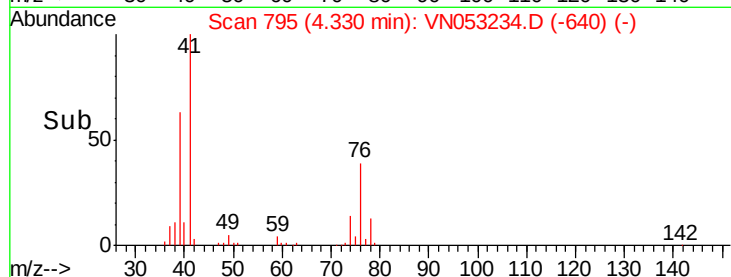
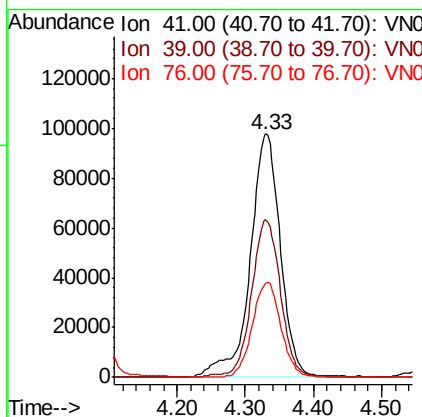
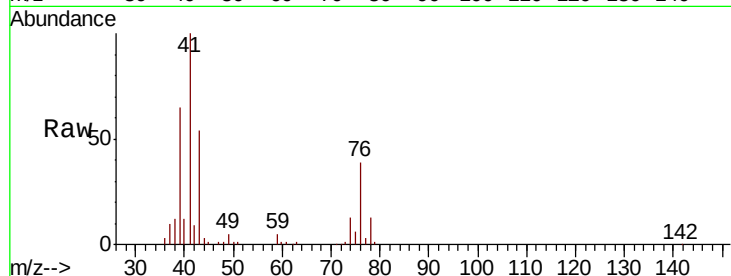
#17
Allvl chloride
Concen: 20.112 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	301303
Ion	Ratio	Lower	Upper
41	100		
39	65.0	32.8	98.3
76	38.4	18.6	55.8

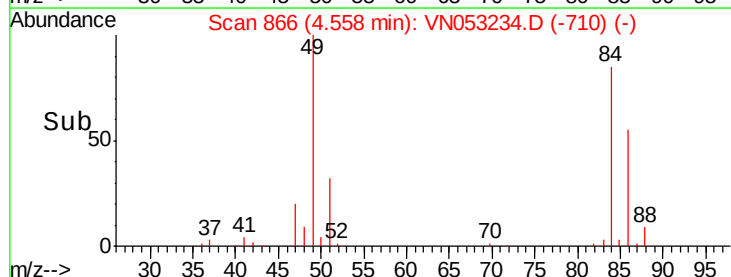
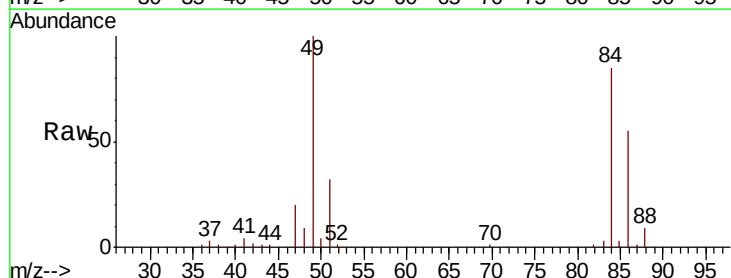
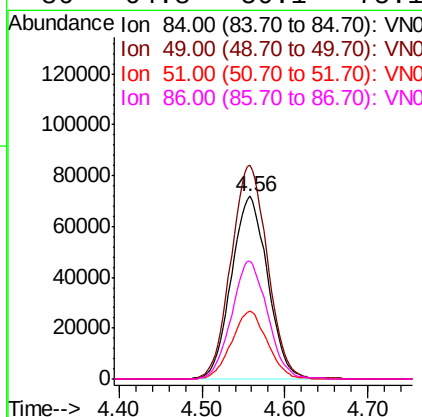
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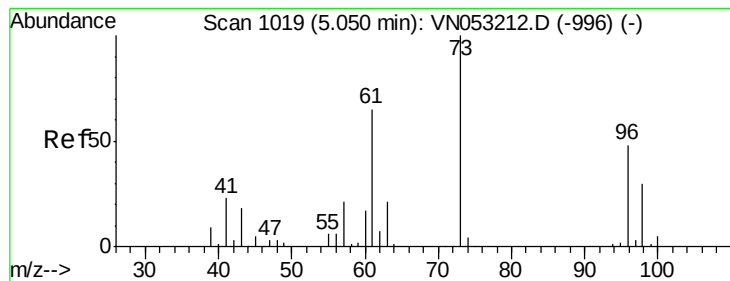
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#18
Methylene Chloride
Concen: 20.034 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion:	84	Resp:	218348
Ion	Ratio	Lower	Upper
84	100		
49	117.1	101.4	152.0
51	37.0	31.7	47.5
86	64.8	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.790 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 199176

Ion Ratio Lower Upper

96 100

61 137.4 118.2 177.4

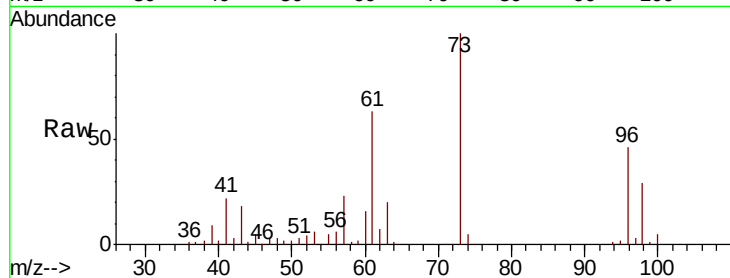
98 63.4 51.4 77.2

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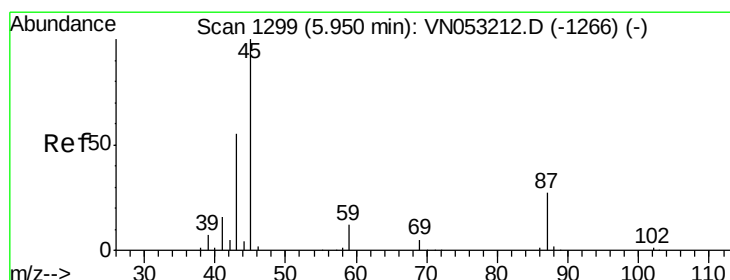
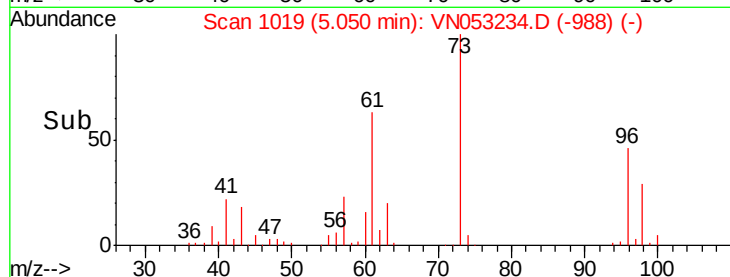
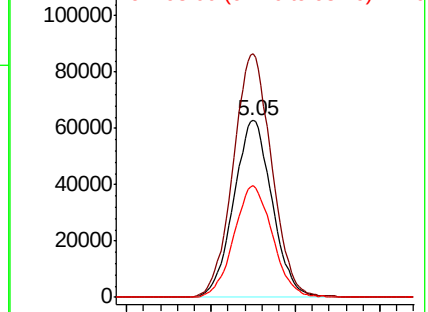


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.350 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion: 45 Resp: 652898

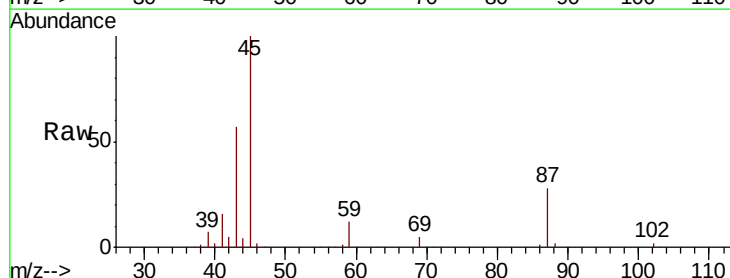
Ion Ratio Lower Upper

45 100

43 56.3 47.8 71.8

87 27.8 21.3 31.9

59 11.5 8.9 13.3



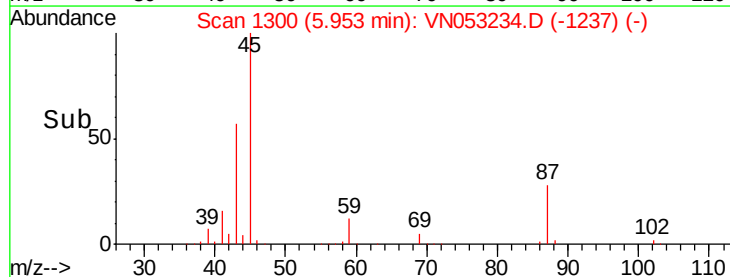
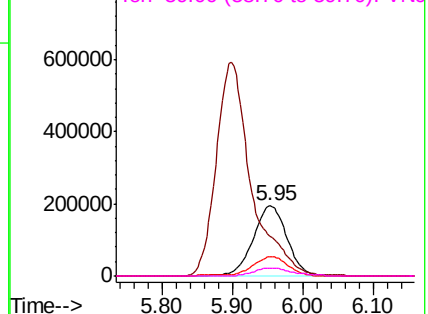
Abundance

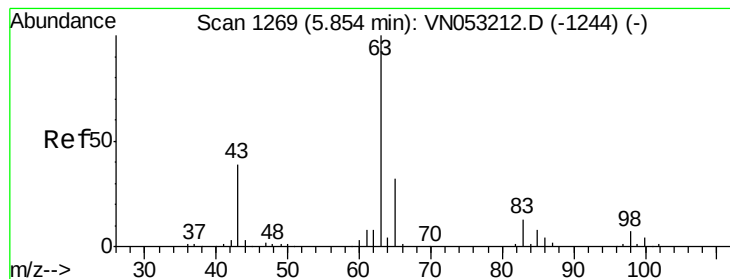
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.900 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

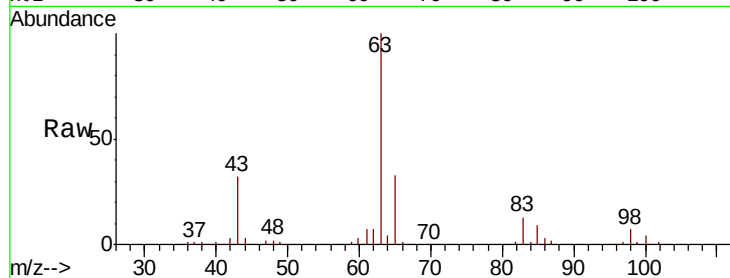
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	371752
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.0	9.2
100	4.2	1.8	5.5

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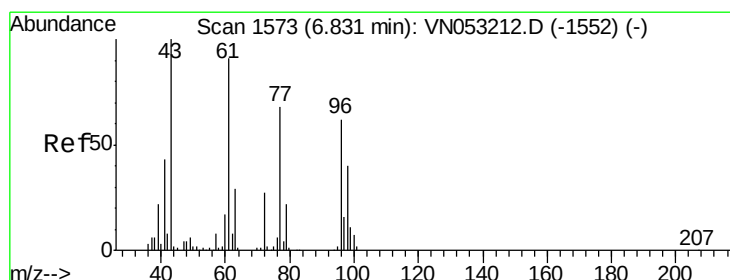
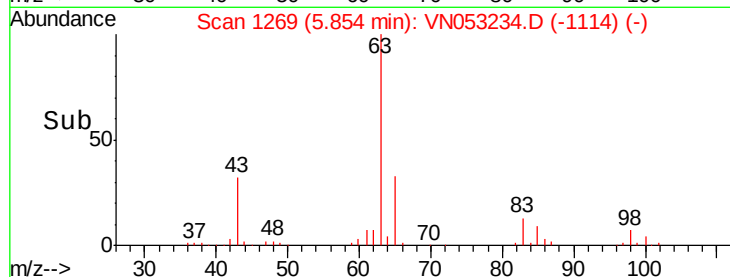
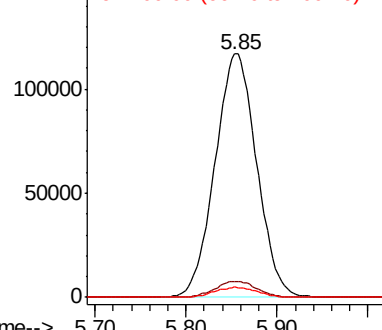


Abundance

Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 20.364 ug/l

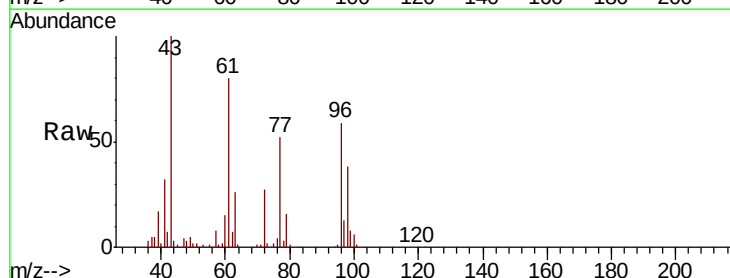
RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	96	Resp:	230866
Ion Ratio	Lower	Upper	
96	100		
61	137.5	116.7	175.1
98	64.7	50.8	76.2

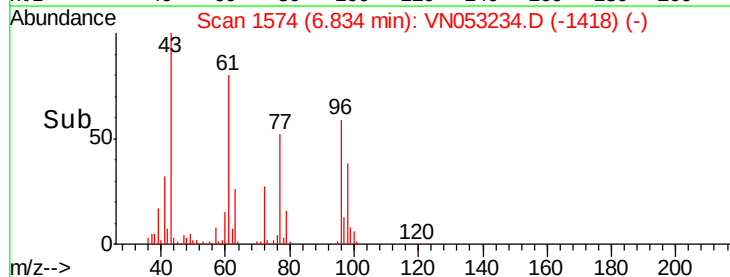
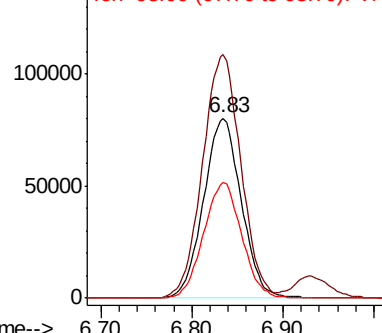


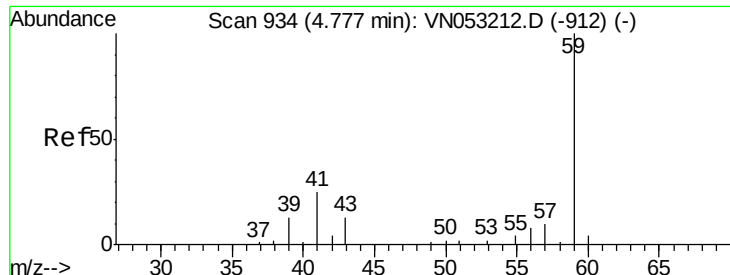
Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





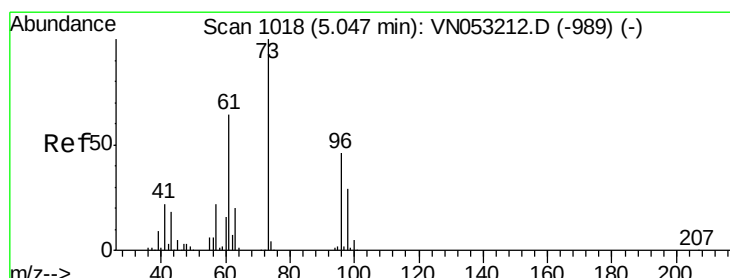
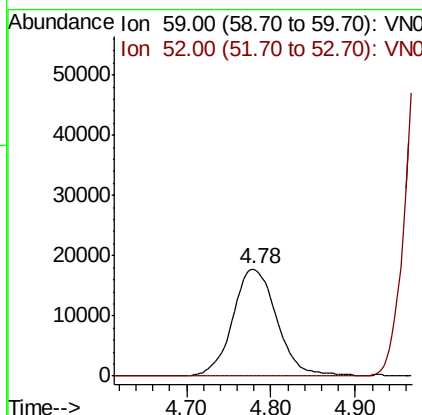
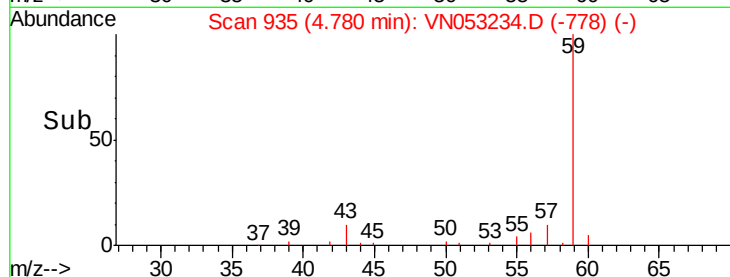
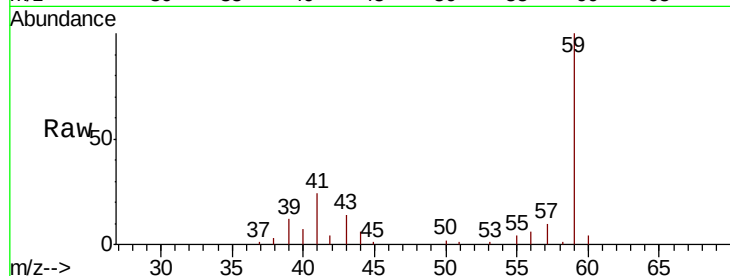
#23
 tert-Butyl Alcohol
 Concen: 115.350 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.0	0.0

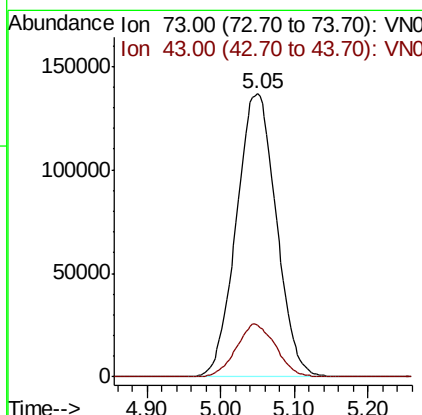
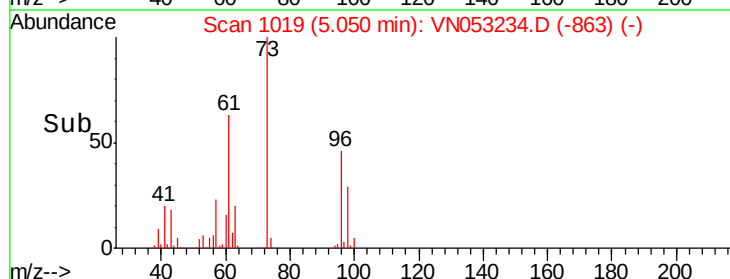
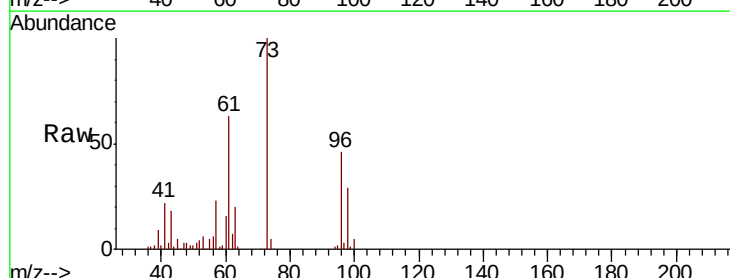
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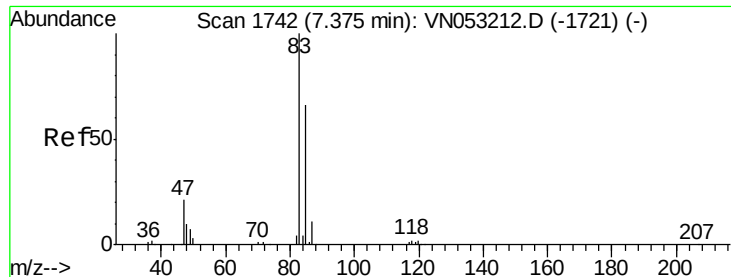
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#24
 Methyl tert-Butyl Ether
 Concen: 20.799 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	18.2	15.8	23.8





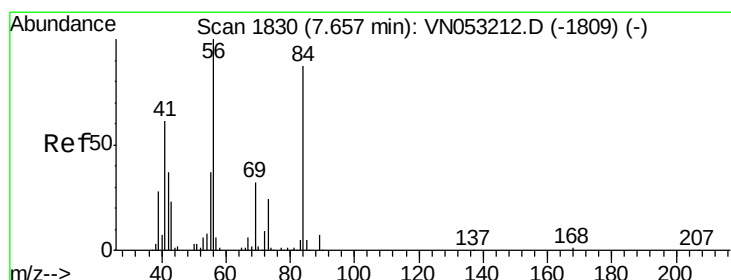
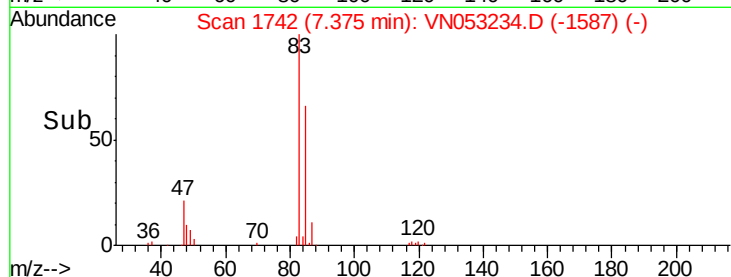
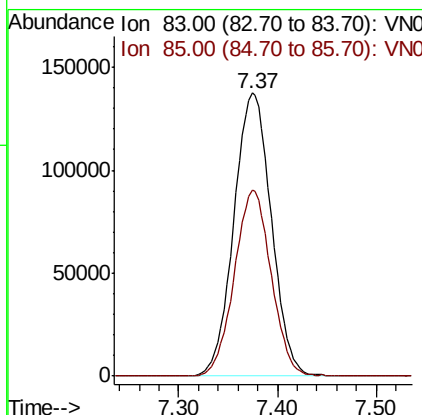
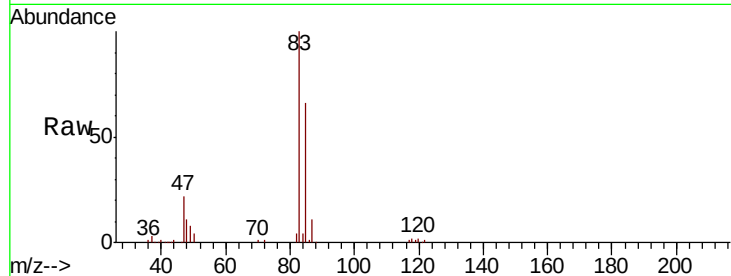
#25
Chloroform
Concen: 20.164 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	362066
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	51.7	77.5

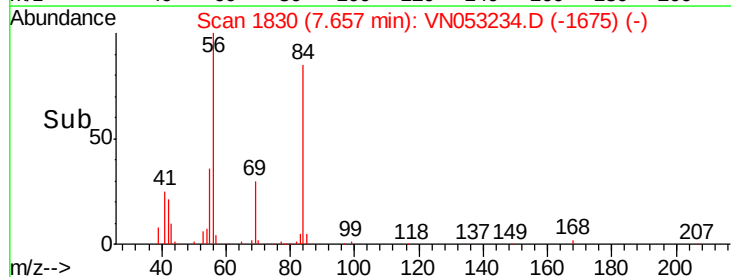
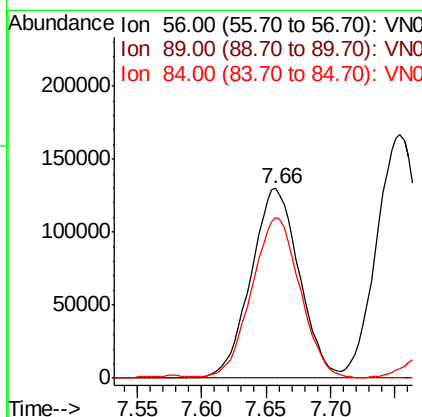
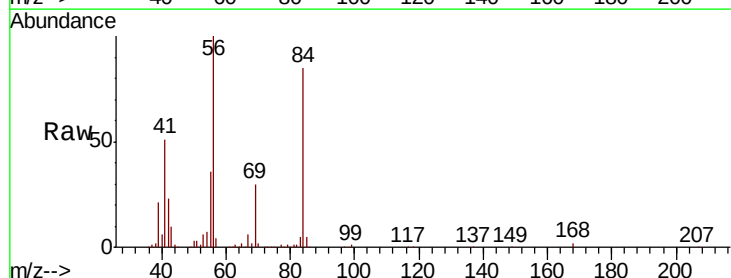
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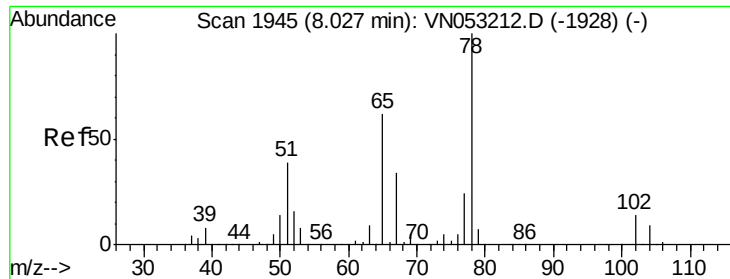
MMDadoda
1/2/2019 9:50:16 AM



#26
Cyclohexane
Concen: 19.406 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	56	Resp	338129
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.5	0.7#
84	85.2	66.2	99.2





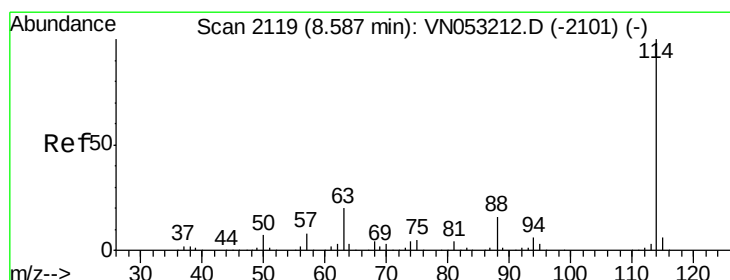
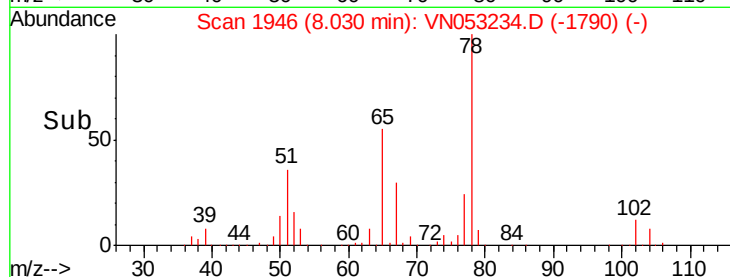
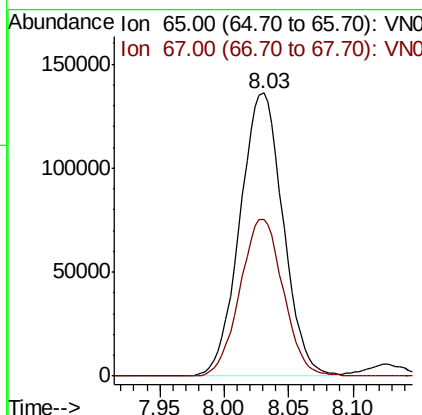
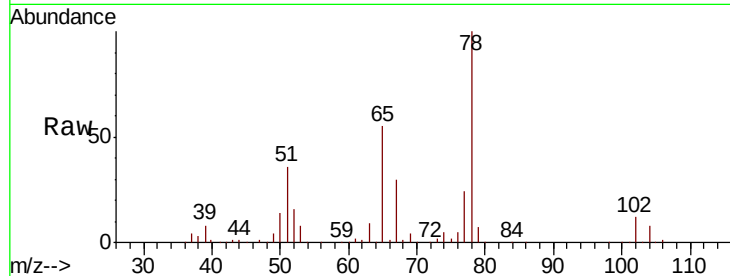
#27
 1,2-Dichloroethane-d4
 Concen: 19.406 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	44.6	66.8

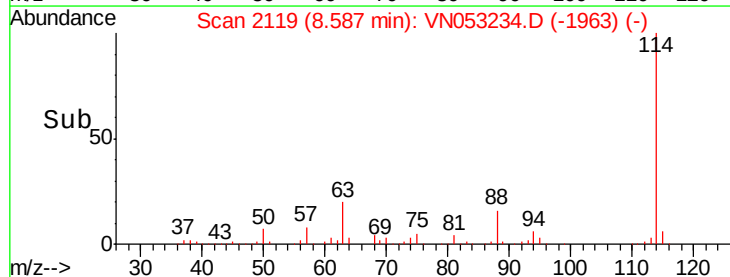
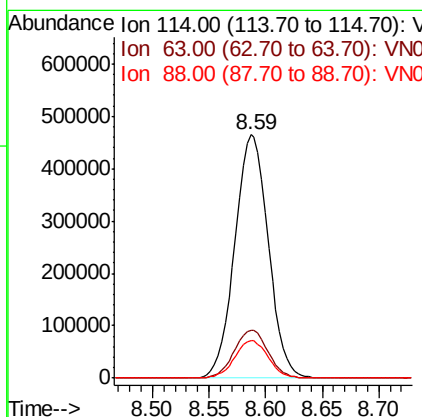
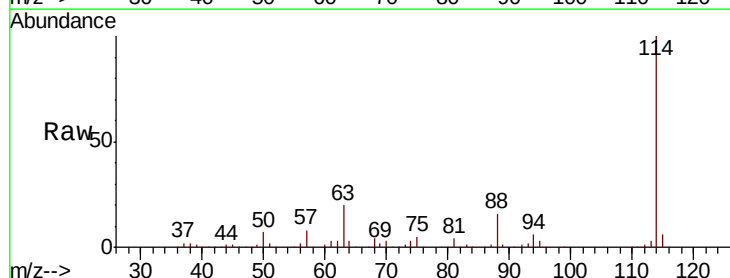
Manual Integrations
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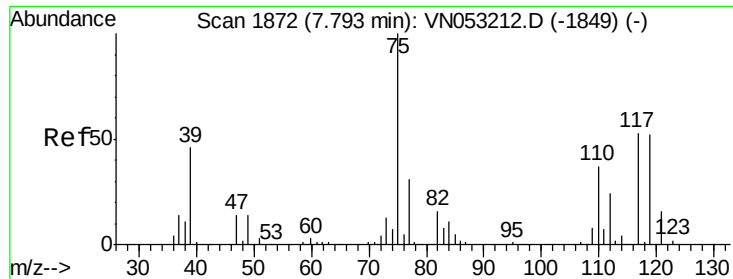
MMDadoda
 1/2/2019 9:50:16 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.9	25.3
88	15.5	12.8	19.2





#29

1,1-Dichloropropene

Concen: 19.569 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

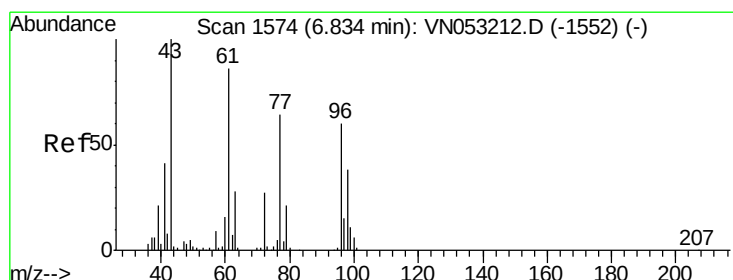
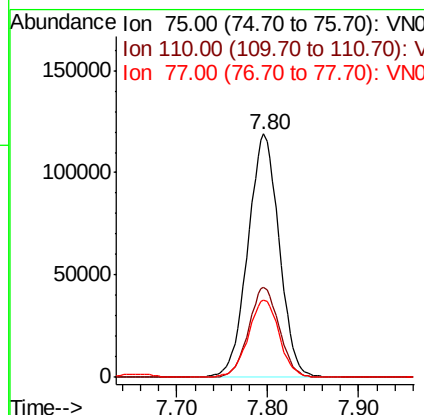
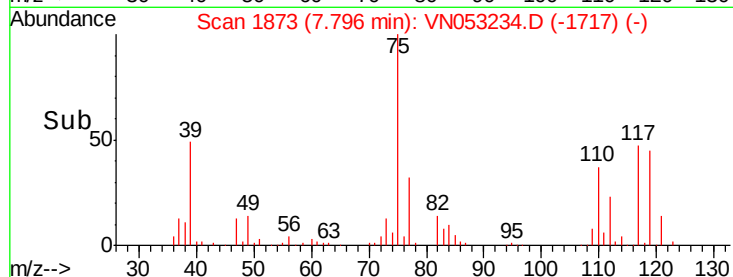
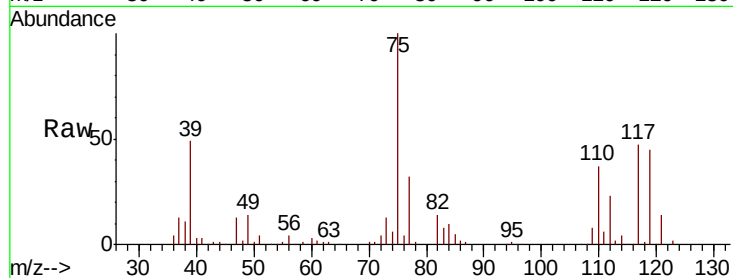
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	284216
Ion Ratio	Lower	Upper	
75	100		
110	36.2	0.0	70.2
77	31.6	0.0	62.6

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#30

2-Butanone

Concen: 108.713 ug/l

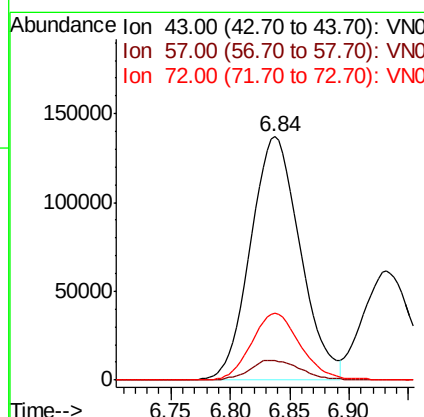
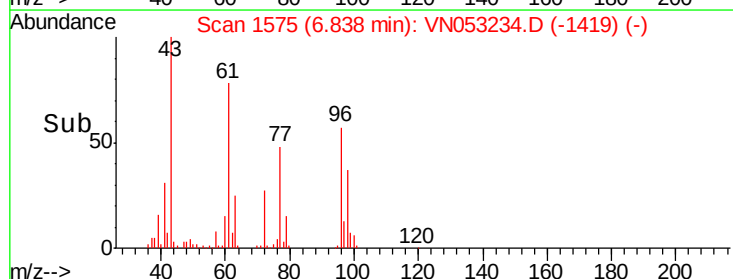
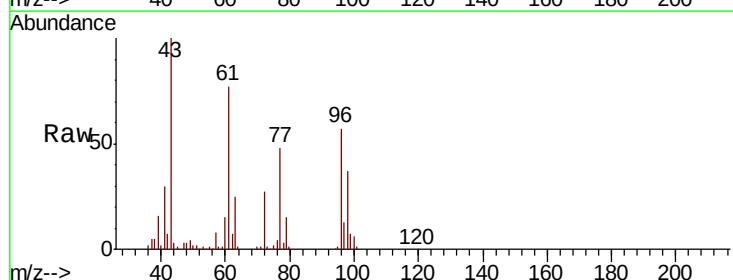
RT: 6.84 min Scan# 1575

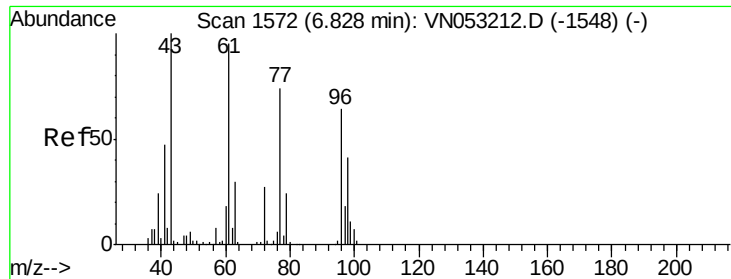
Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	43	Resp:	393915
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.2	9.4
72	27.3	21.0	31.6





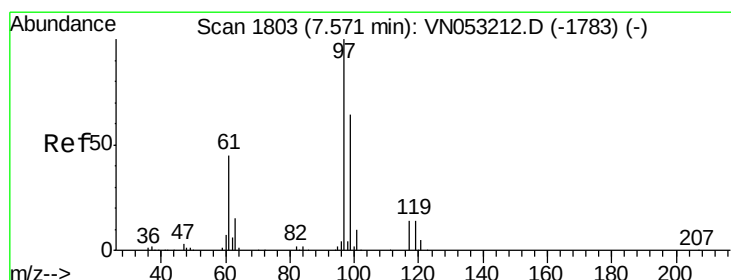
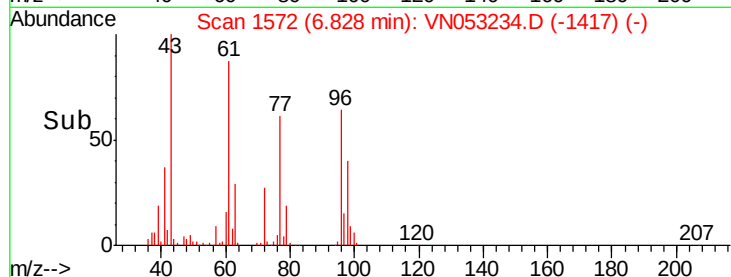
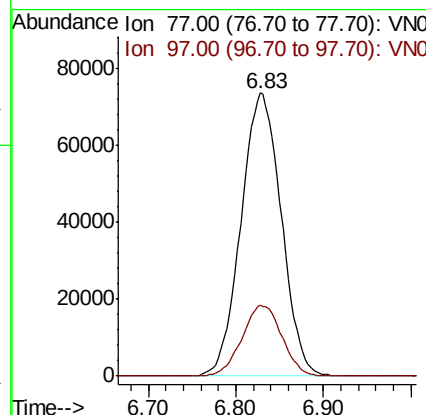
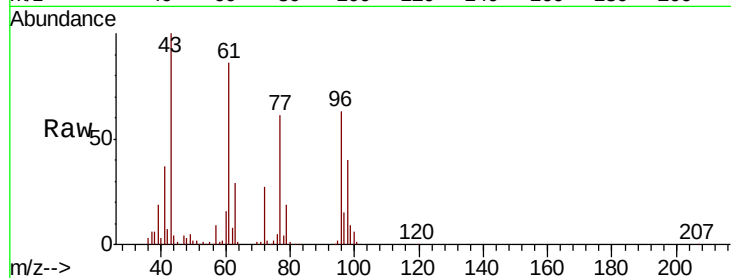
#31
 2,2-Dichloropropane
 Concen: 16.693 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 234712
 Ion Ratio Lower Upper
 77 100
 97 24.9 18.7 28.1

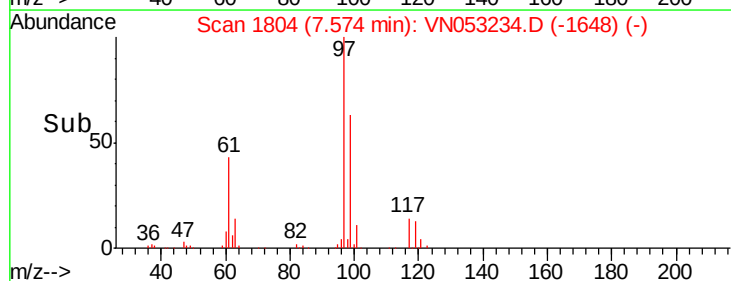
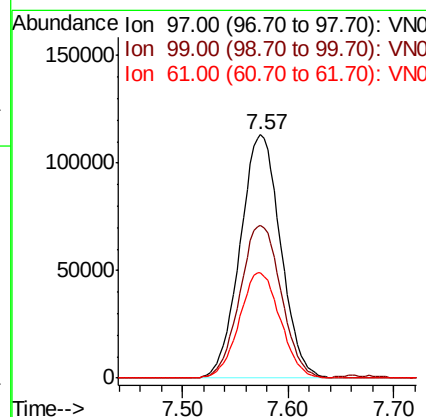
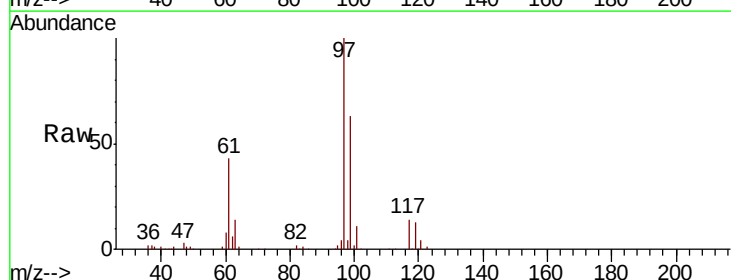
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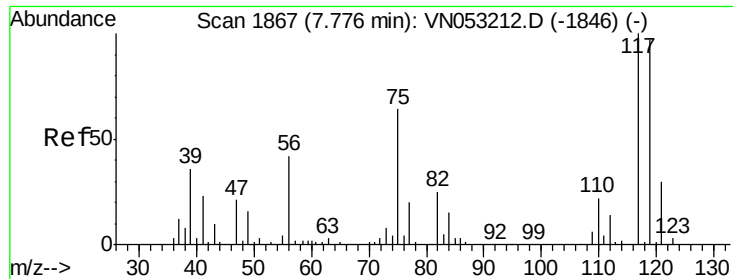
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#32
 1,1,1-Trichloroethane
 Concen: 19.874 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion: 97 Resp: 302422
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.9 76.3
 61 43.7 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.605 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

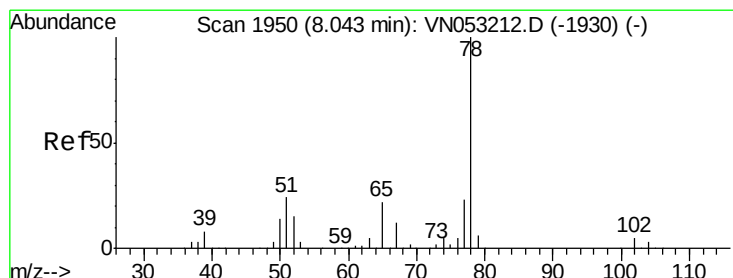
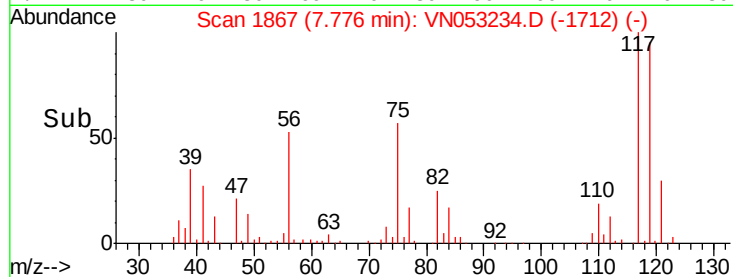
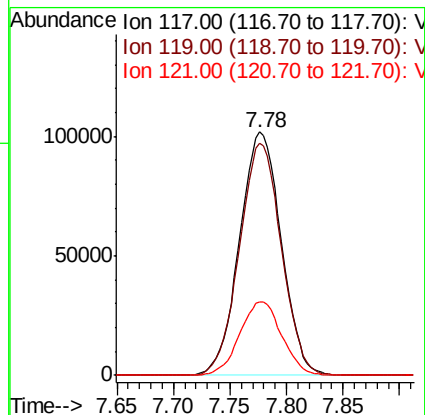
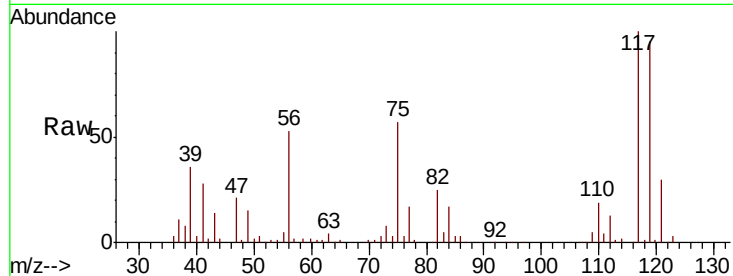
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	261144
Ion Ratio	Lower	Upper	
117	100		
119	95.2	77.3	115.9
121	30.4	24.9	37.3

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#34

Benzene

Concen: 19.971 ug/l

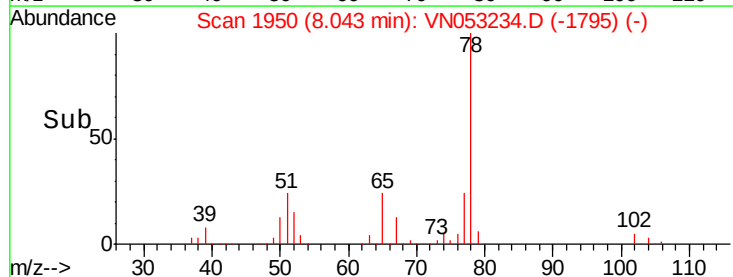
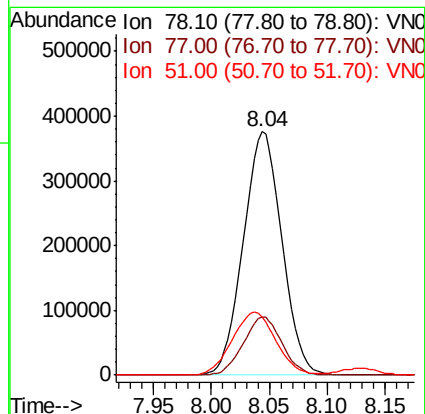
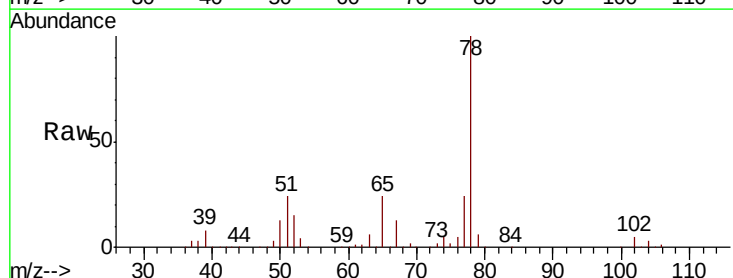
RT: 8.04 min Scan# 1950

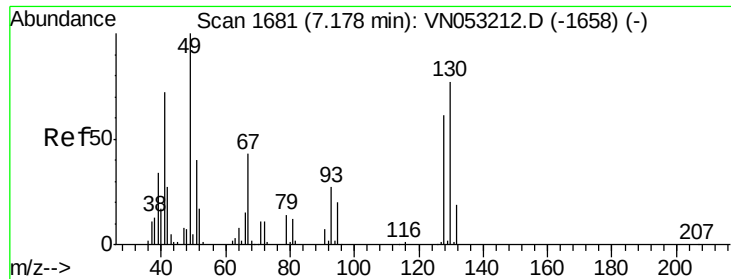
Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	78	Resp:	871715
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.6
51	23.8	20.5	30.7





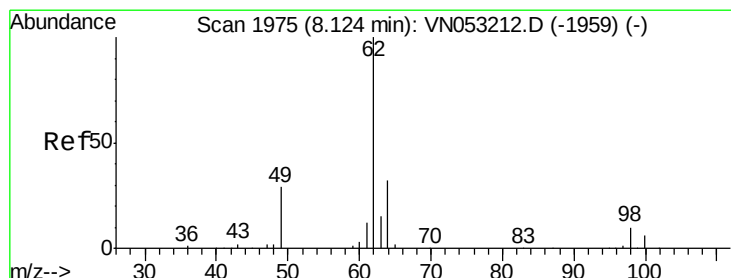
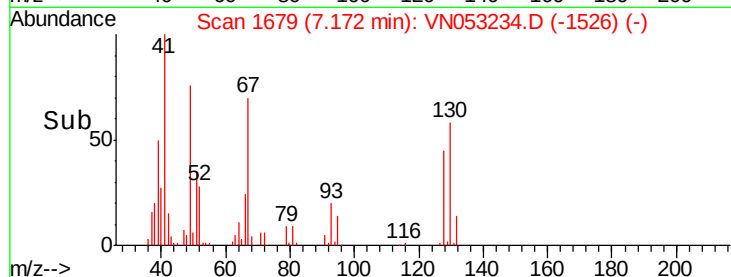
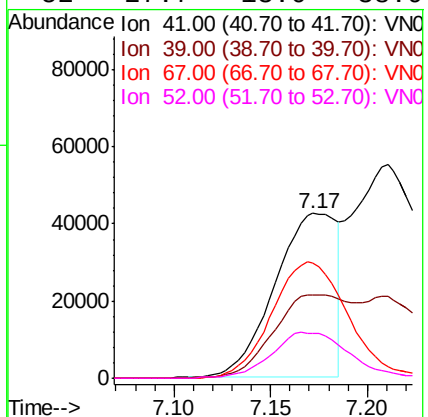
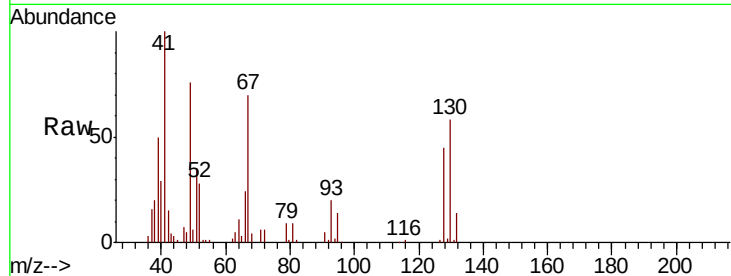
#35
Methacrylonitrile
Concen: 20.300 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	94917
Ion	Ratio	Lower	Upper
41	100		
39	50.2	26.6	79.7
67	70.5	32.3	96.9
52	27.7	13.0	38.9

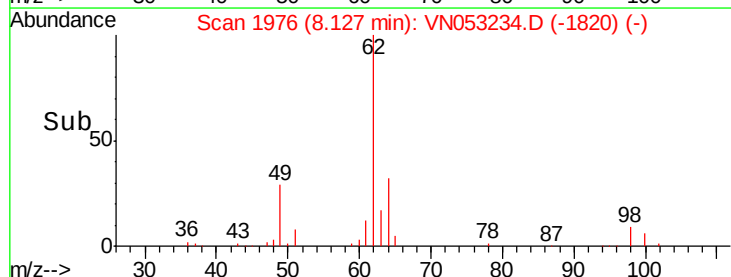
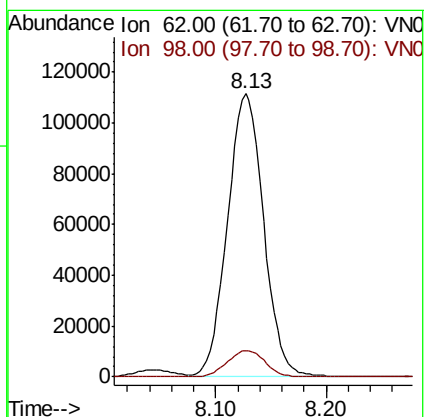
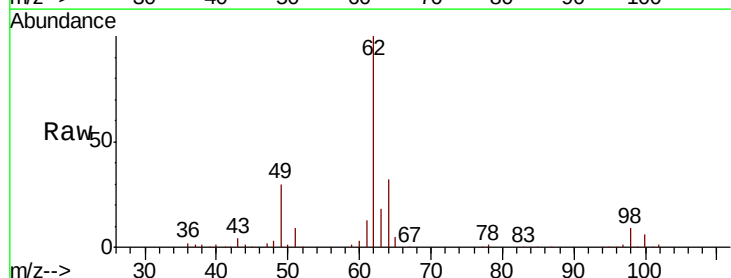
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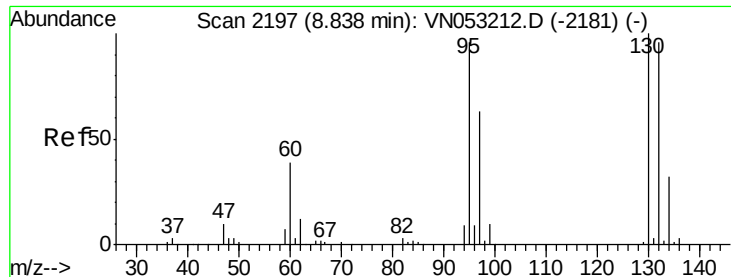
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#36
1,2-Dichloroethane
Concen: 20.031 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion:	62	Resp:	253812
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2





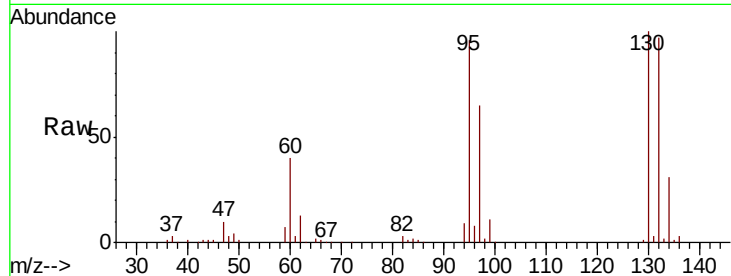
#37
 Trichloroethene
 Concen: 19.752 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

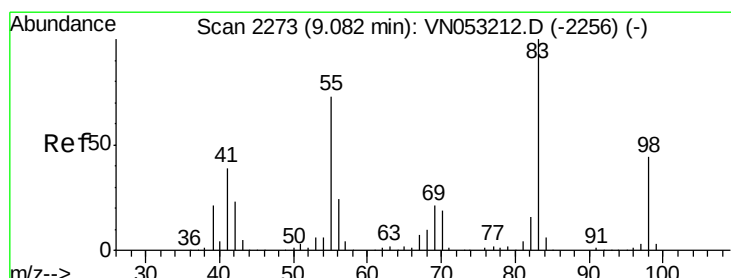
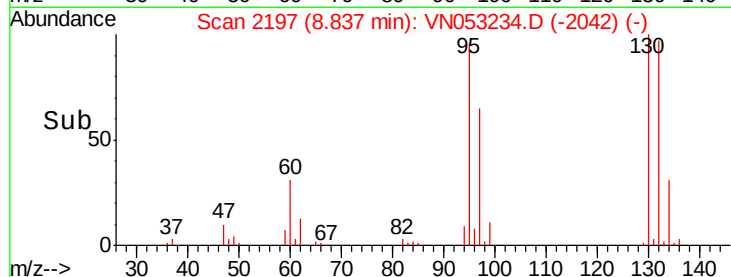
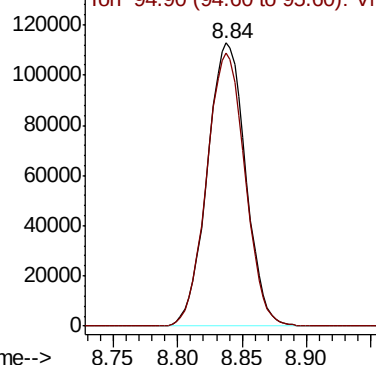
Tot Ion:130 Resp: 233547
 Ion Ratio Lower Upper
 130 100
 95 96.3 81.0 121.4

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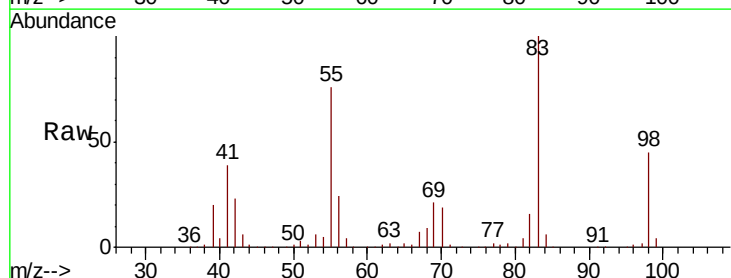


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

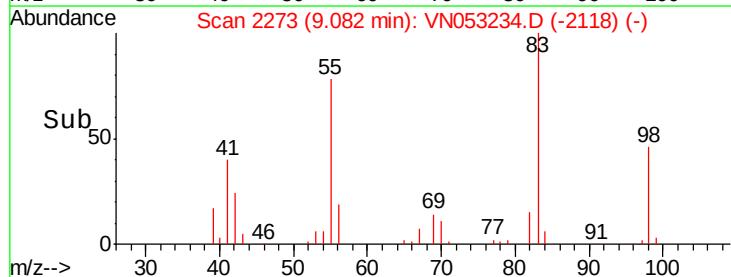
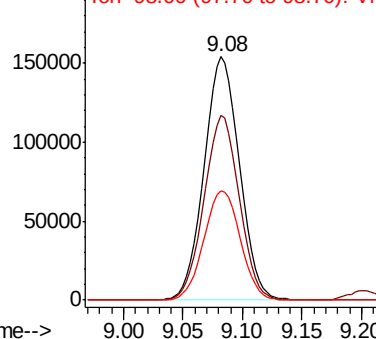


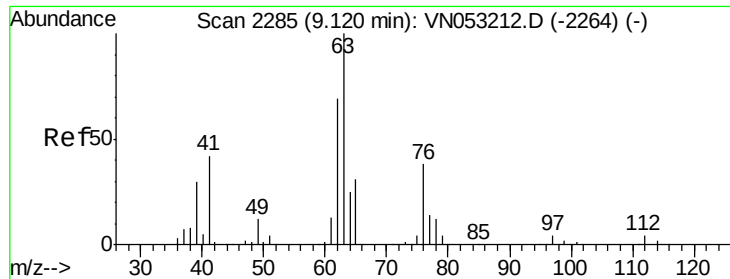
#38
 Methylcyclohexane
 Concen: 18.745 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion: 83 Resp: 318429
 Ion Ratio Lower Upper
 83 100
 55 75.3 39.8 119.4
 98 46.3 22.9 68.5



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





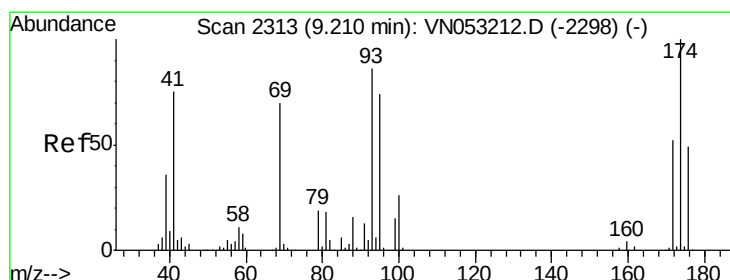
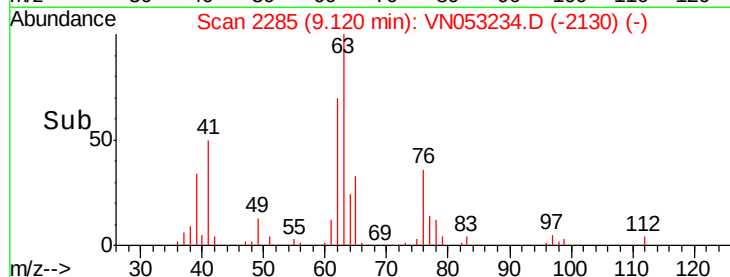
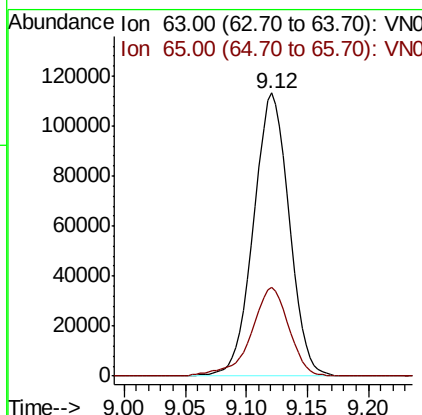
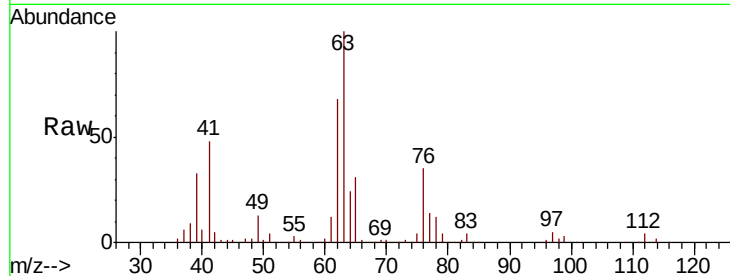
#39
 1,2-Dichloropropane
 Concen: 20.122 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 229341
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.6 35.4

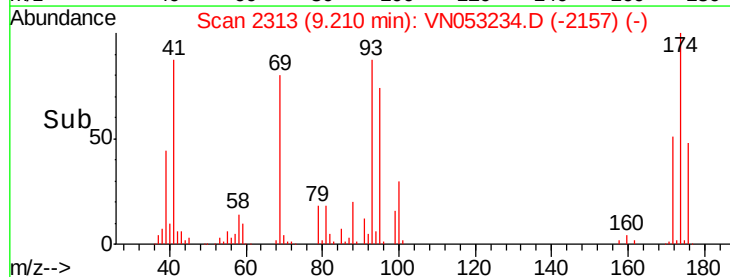
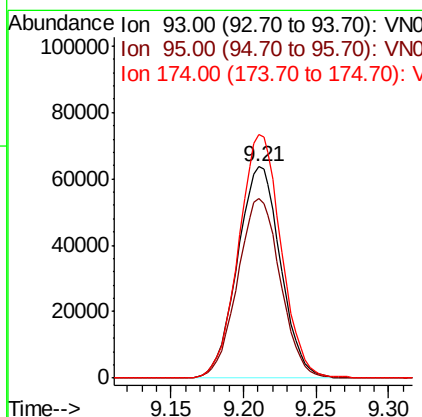
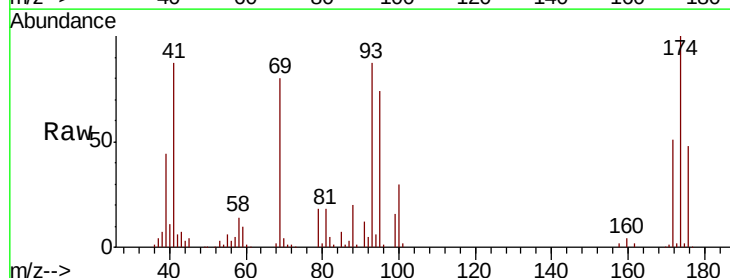
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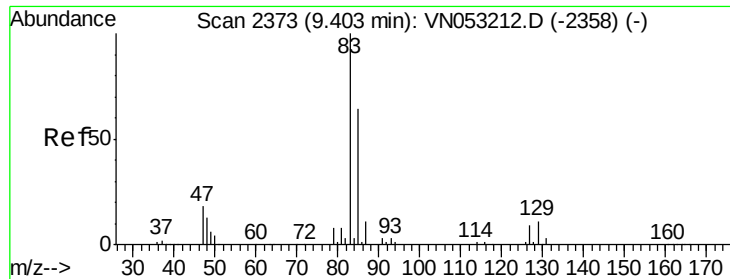
MMDadoda
 1/2/2019 9:50:16 AM



#40
 Dibromomethane
 Concen: 20.441 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion: 93 Resp: 131756
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 168.4
 174 113.3 0.0 210.0





#41

Bromodichloromethane

Concen: 19.480 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

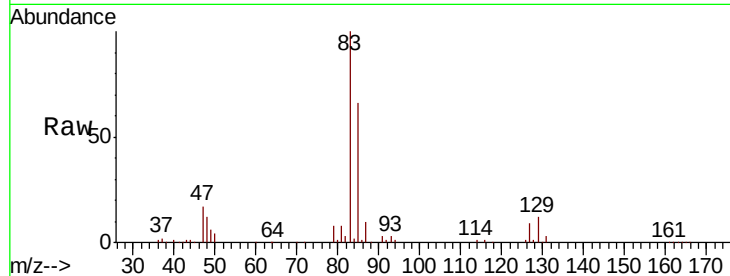
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	269652
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.4	78.6
127	8.9	6.6	9.8

Manual Integrations
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1/2/2019 9:50:16 AM

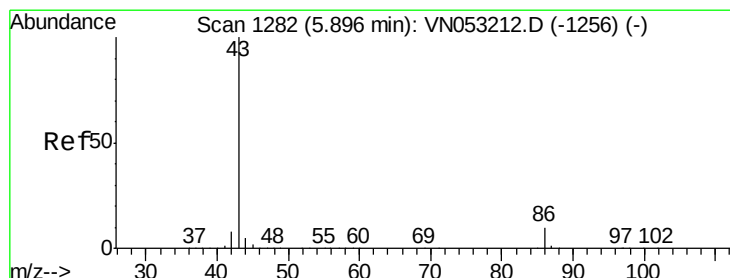
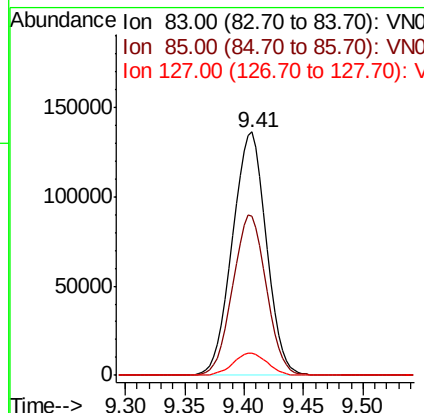
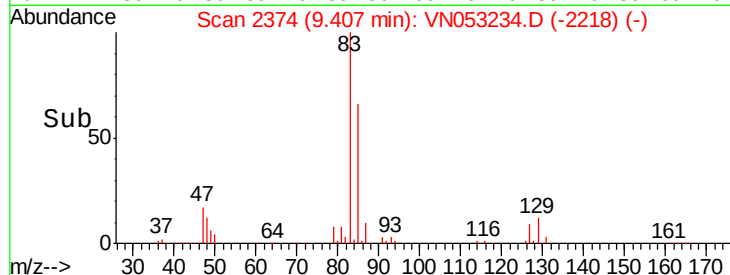


Abundance Ion 83.00 (82.70 to 83.70): VN053212.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN053212.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN053212.D (-2358) (-)

Time-->



#42

Vinyl Acetate

Concen: 103.955 ug/l

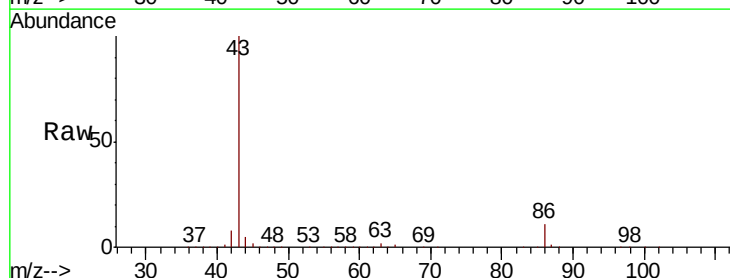
RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

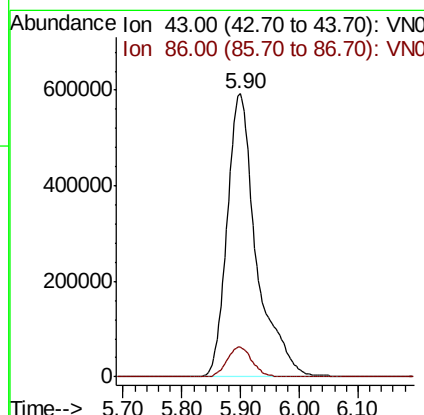
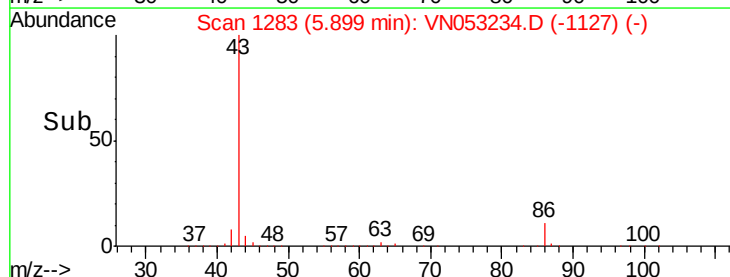
Tgt Ion:	43	Resp:	2055003
Ion Ratio	Lower	Upper	
43	100		
86	9.1	6.5	9.7

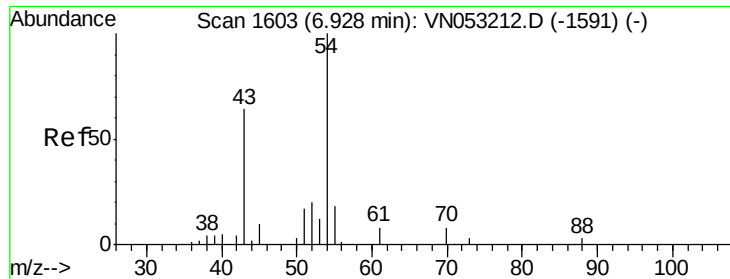


Abundance Ion 43.00 (42.70 to 43.70): VN053212.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN053212.D (-1256) (-)

Time-->





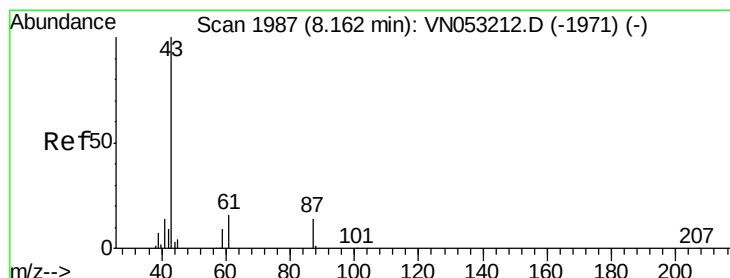
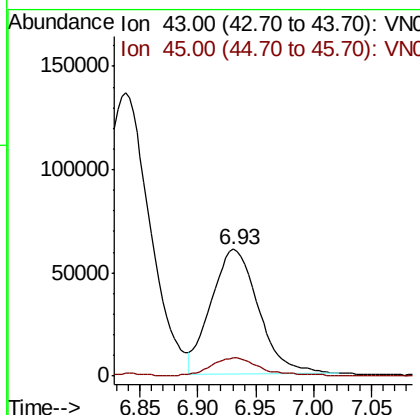
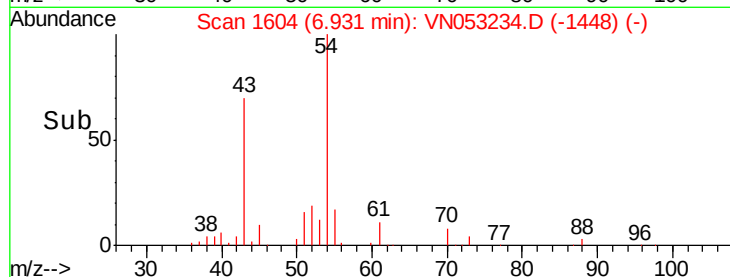
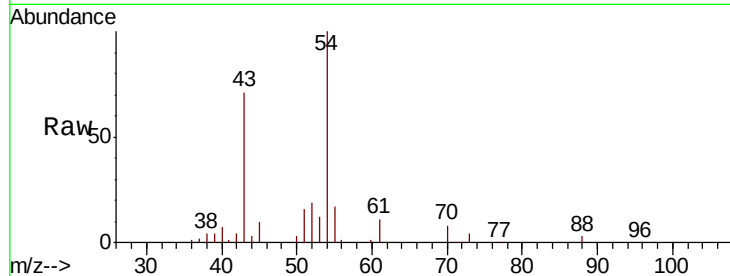
#43
Ethyl Acetate
Concen: 21.298 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 172339
Ion Ratio Lower Upper
43 100
45 14.1 1.0 1.6#

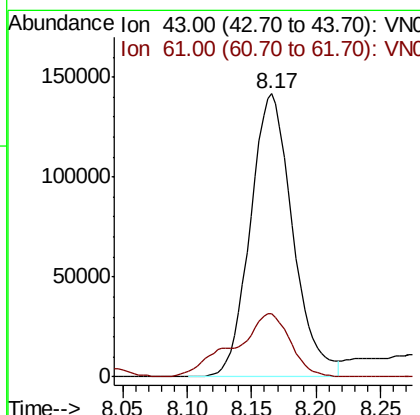
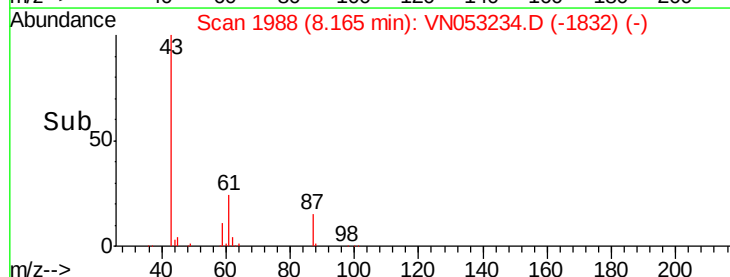
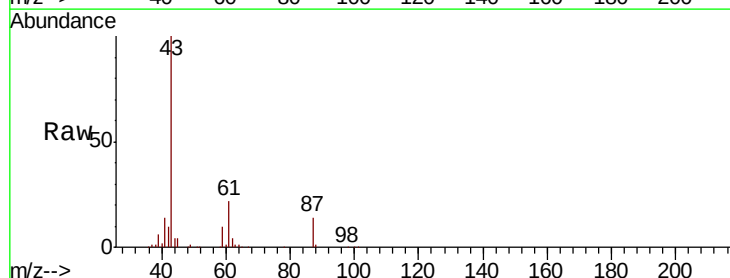
Manual Integrations
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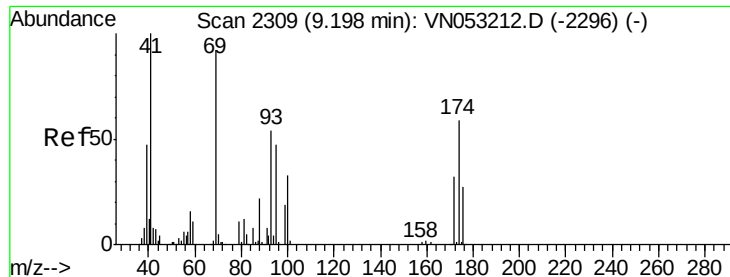
MMDadoda
1/2/2019 9:50:16 AM



#44
Isopropyl Acetate
Concen: 21.465 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion: 43 Resp: 323561
Ion Ratio Lower Upper
43 100
61 19.9 16.0 24.0





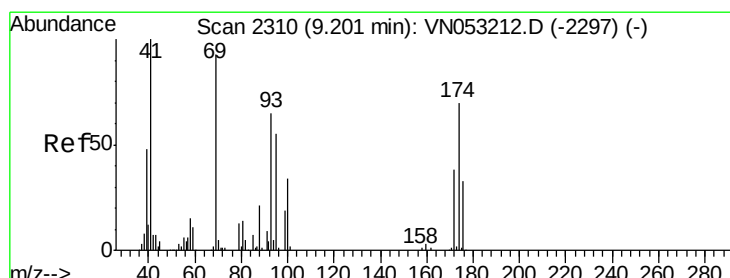
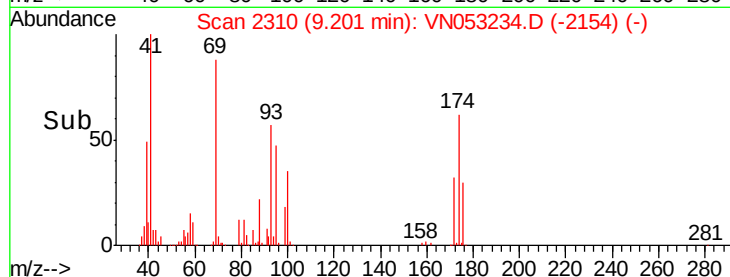
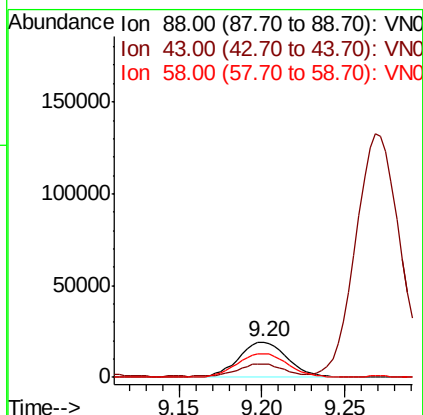
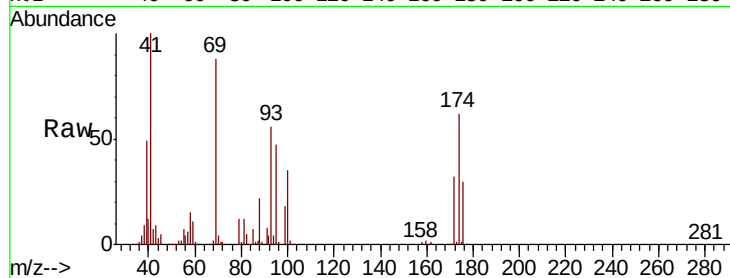
#45
1,4-Dioxane
Concen: 424.733 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	29.5	44.3
58	70.1	61.5	92.3

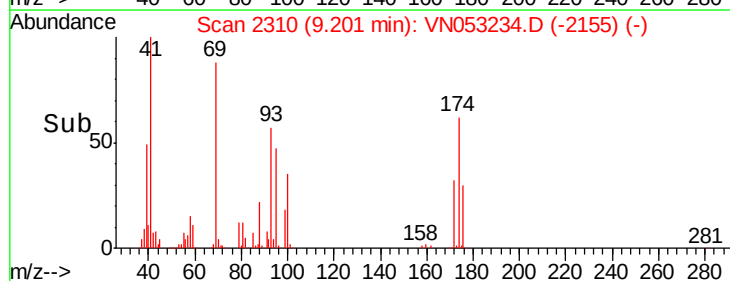
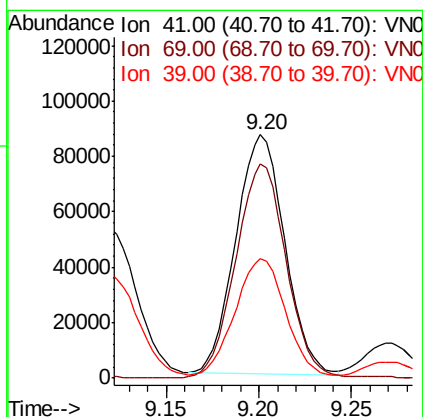
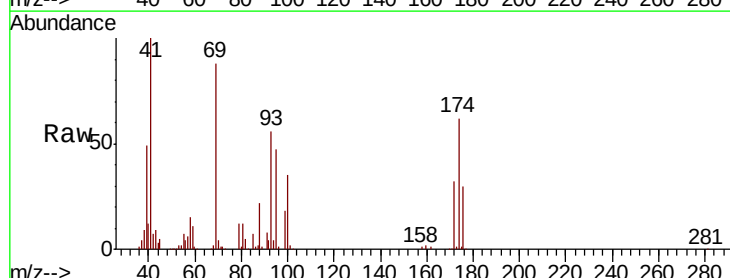
Manual Integrations
APPROVED

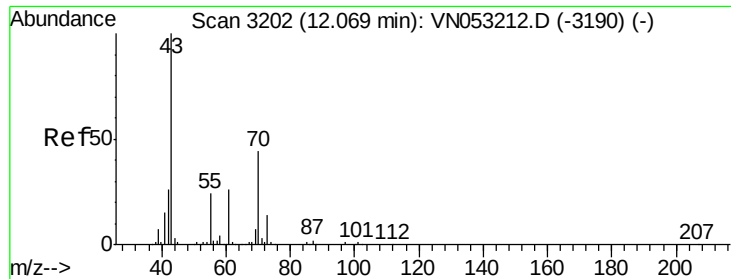
MMDadoda
1/2/2019 9:50:16 AM



#46
Methyl methacrylate
Concen: 20.868 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.2	42.5	127.6
39	48.8	26.3	78.9





#47

n-amvl Acetate

Concen: 20.417 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 270278

Ion Ratio Lower Upper

43 100

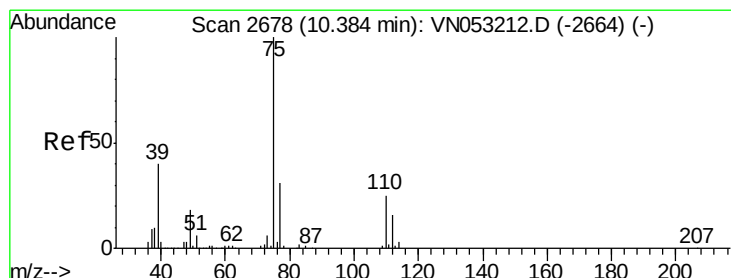
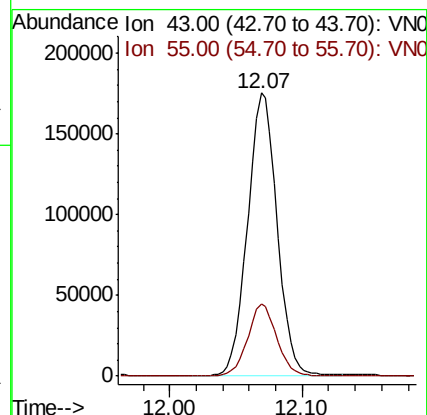
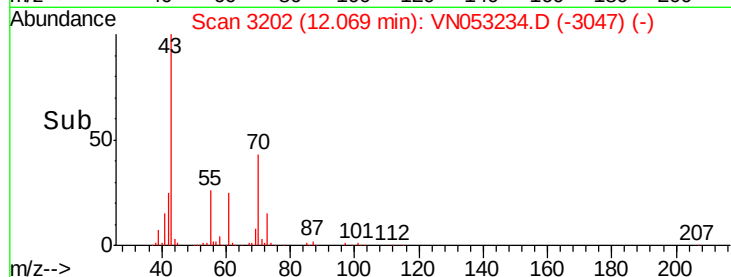
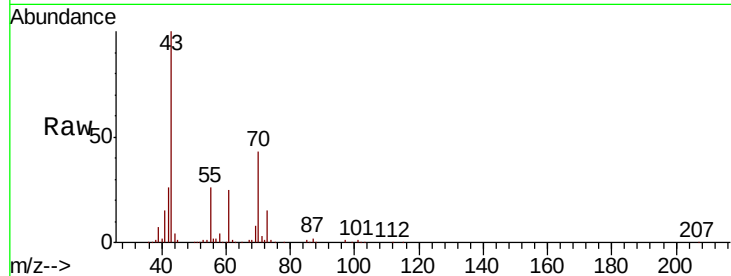
55 25.4 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.148 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053234.D

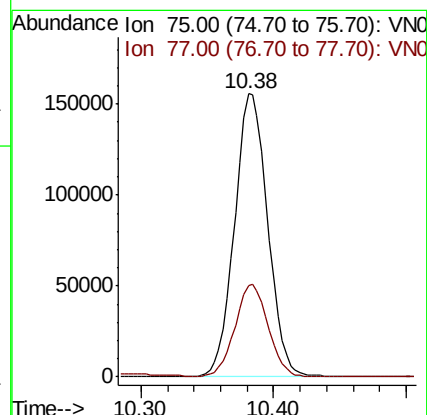
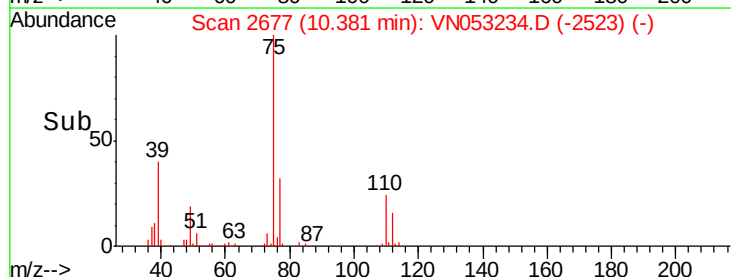
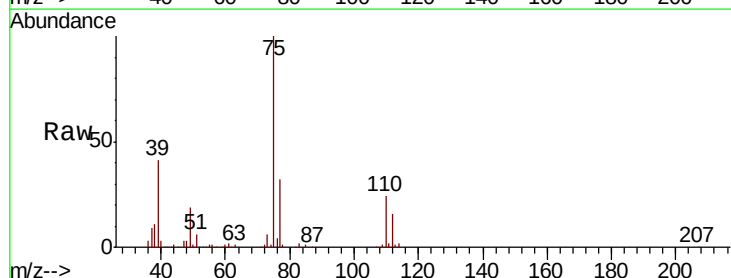
Acq: 28 Dec 2018 19:24

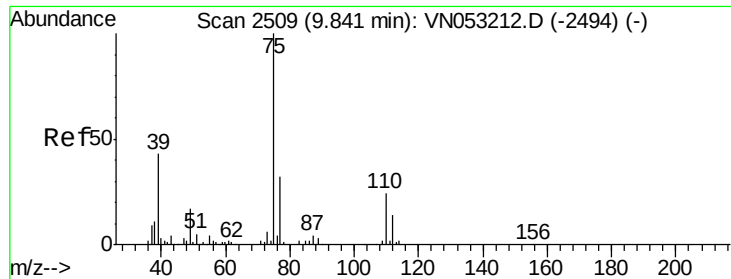
Tgt Ion: 75 Resp: 270533

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4





#49

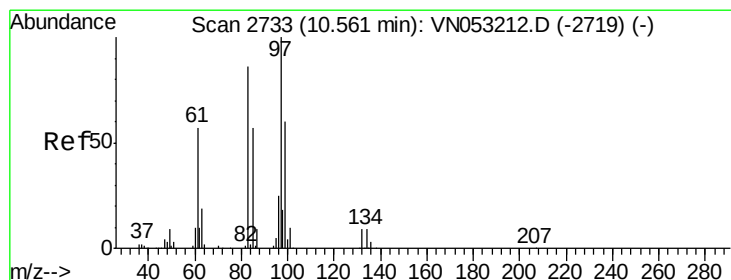
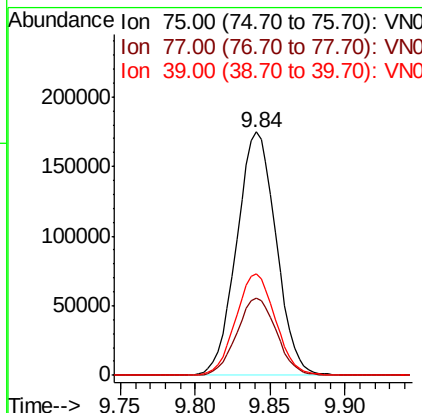
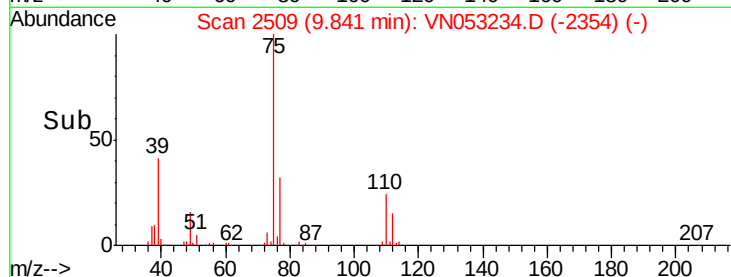
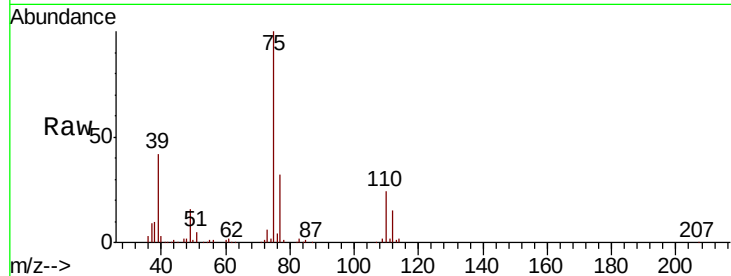
cis-1,3-Dichloropropene
 Concen: 19.302 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	41.6	37.3	55.9

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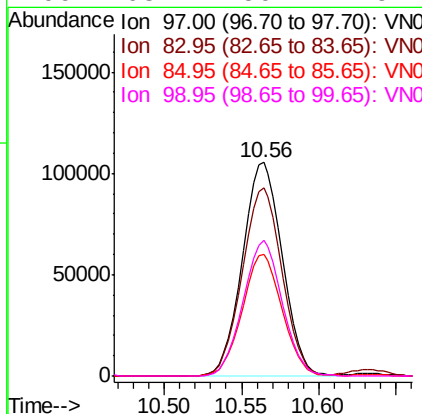
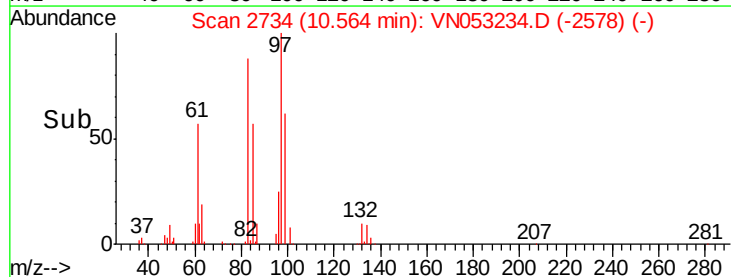
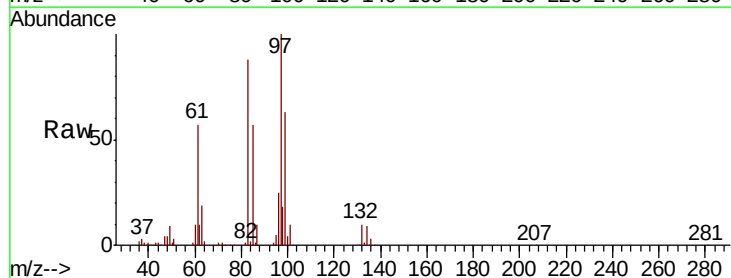
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 1/2/2019 9:50:16 AM

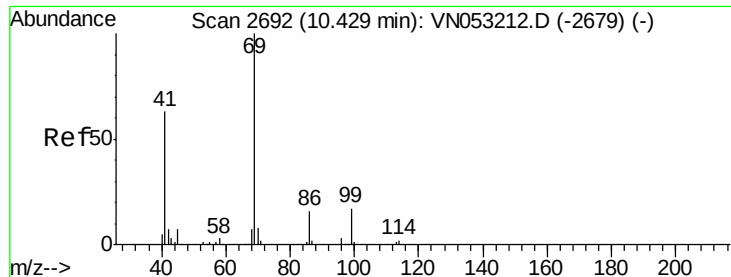


#50

1,1,2-Trichloroethane
 Concen: 20.451 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.4	105.6
85	57.0	45.0	67.6
99	63.4	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.820 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

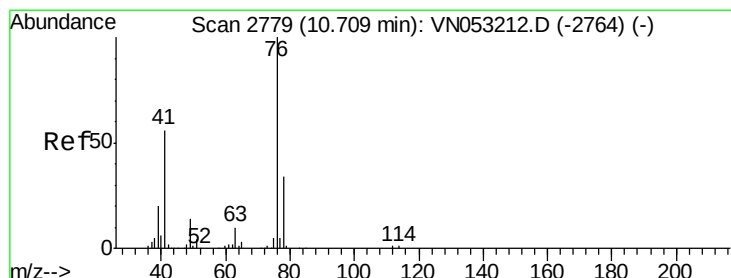
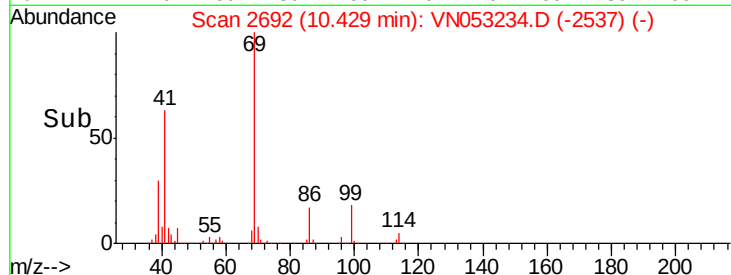
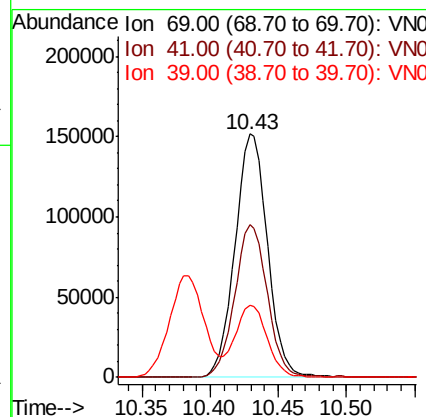
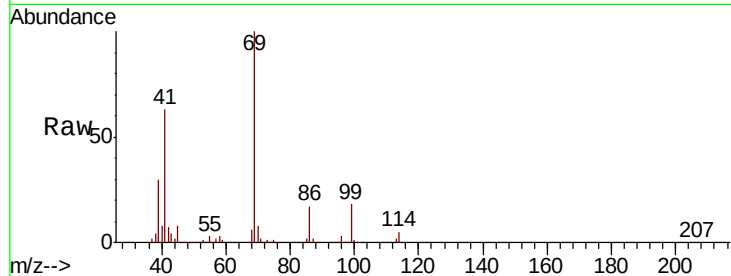
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	250784
Ion	Ratio	Lower	Upper
69	100		
41	62.6	34.4	103.3
39	29.5	16.4	49.2

Manual Integrations
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1/2/2019 9:50:16 AM



#52

1,3-Dichloropropane

Concen: 20.395 ug/l

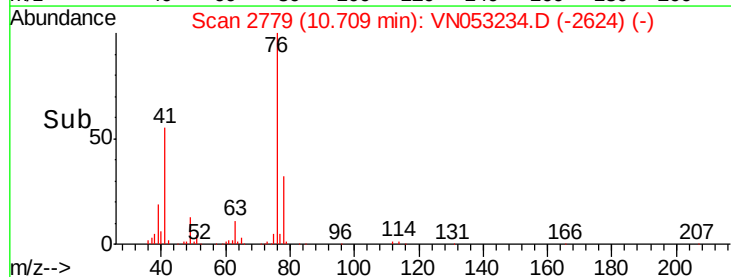
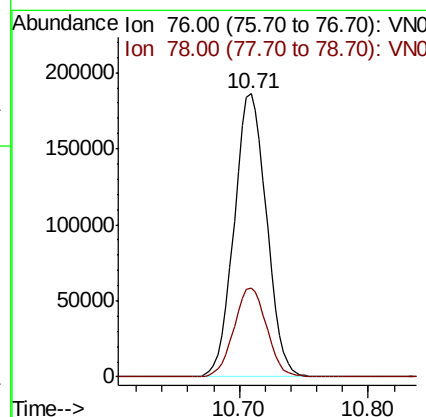
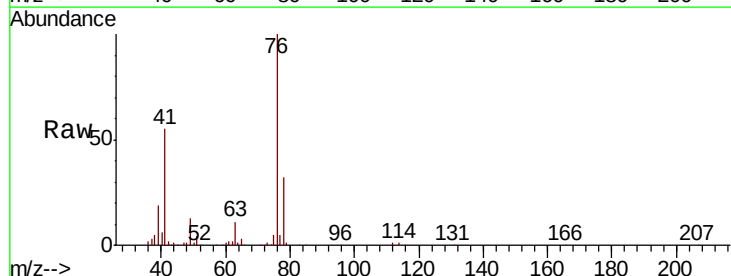
RT: 10.71 min Scan# 2779

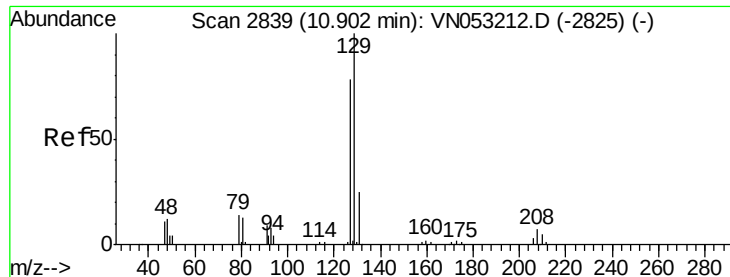
Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	76	Resp:	324698
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8





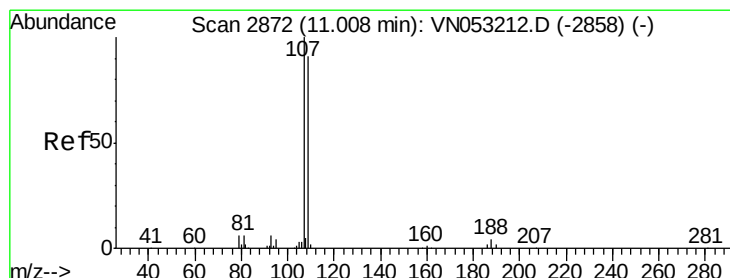
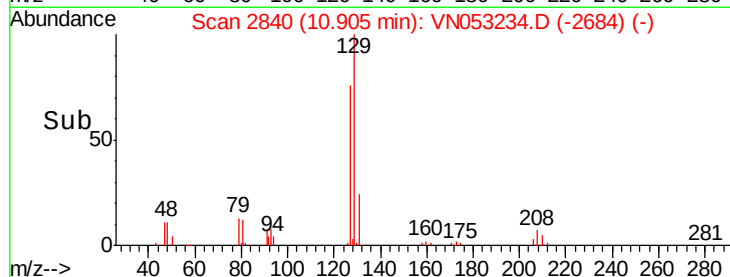
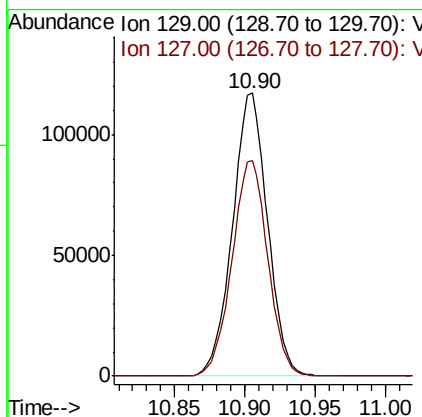
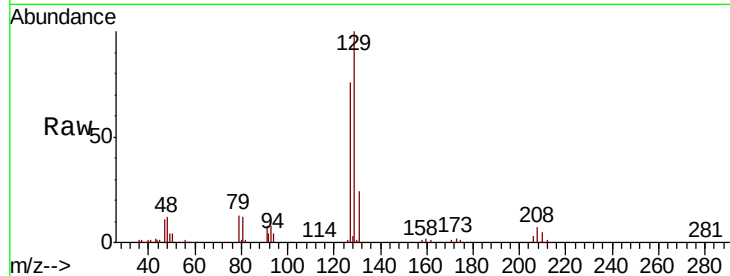
#53
 Dibromochloromethane
 Concen: 19.641 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	37.6	112.8

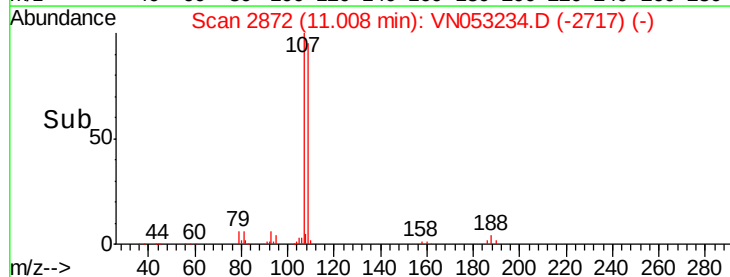
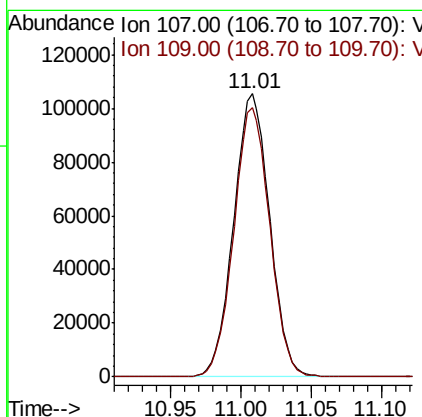
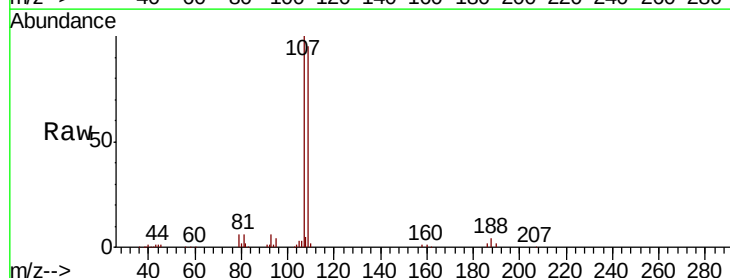
Manual Integrations
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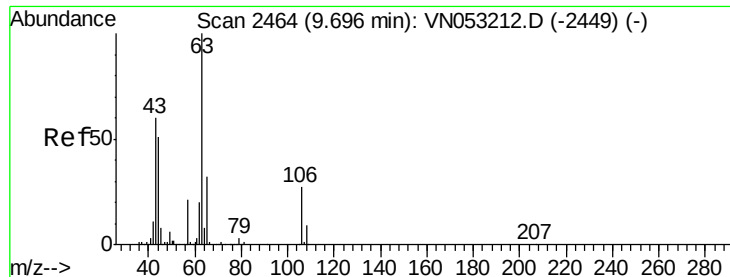
MMDadoda
 1/2/2019 9:50:16 AM



#54
 1,2-Dibromoethane
 Concen: 20.244 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.1	115.7





#55

2-Chloroethyl vinyl ether

Concen: 102.819 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 710745

Ion Ratio Lower Upper

63 100

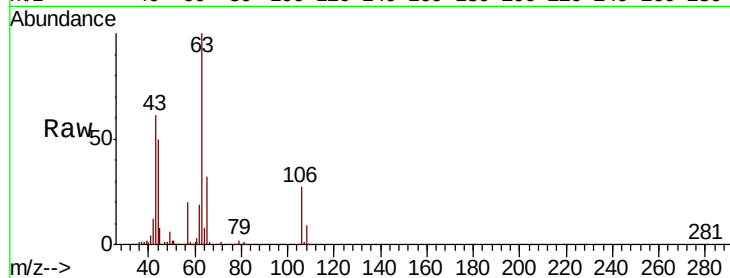
65 31.6 25.4 38.2

106 27.1 20.4 30.6

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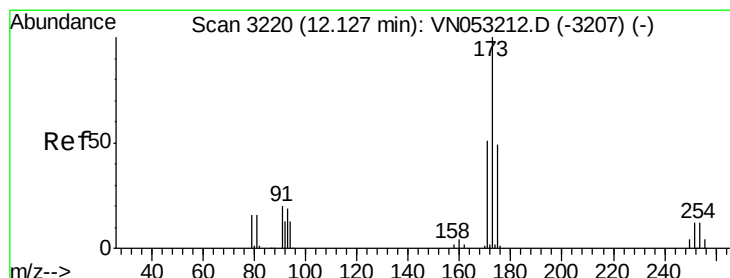
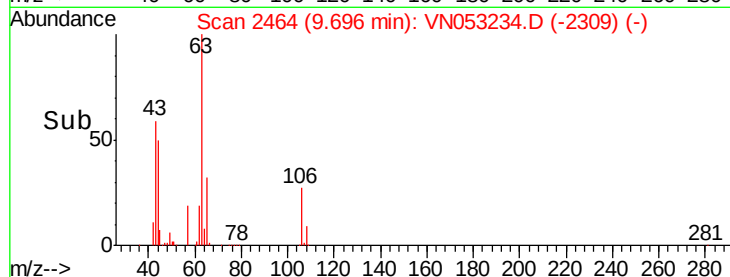
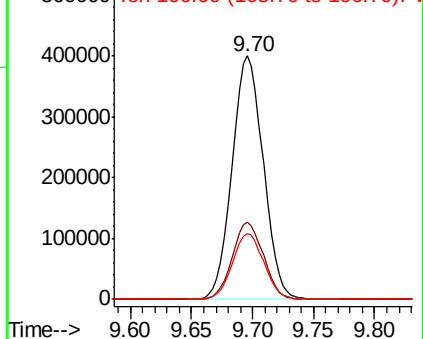


Abundance

Ion 63.00 (62.70 to 63.70): VN053212.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN053212.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN053212.D (-2449) (-)



#56

Bromoform

Concen: 19.460 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

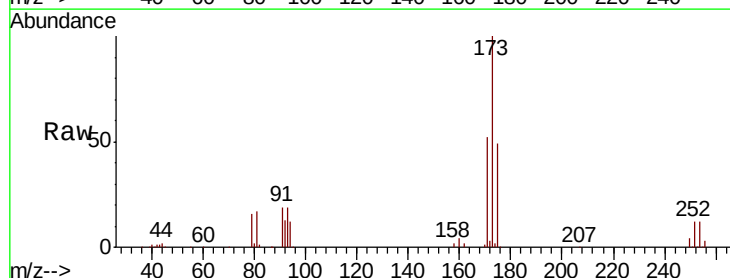
Tgt Ion: 173 Resp: 138184

Ion Ratio Lower Upper

173 100

175 49.3 38.7 58.1

254 11.8 8.4 12.6

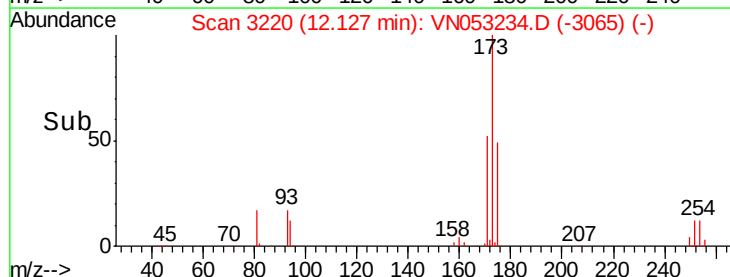
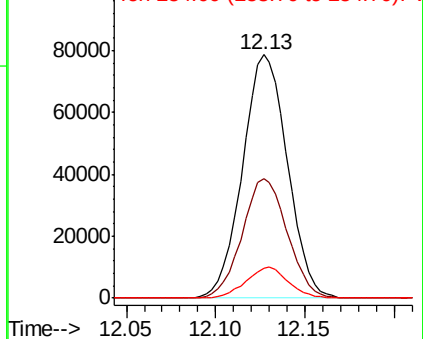


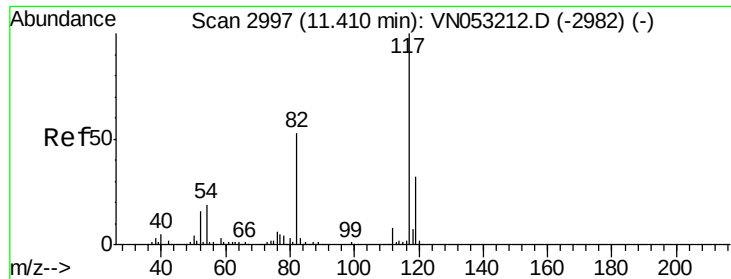
Abundance

Ion 173.00 (172.70 to 173.70): VN053212.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN053212.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN053212.D (-3207) (-)





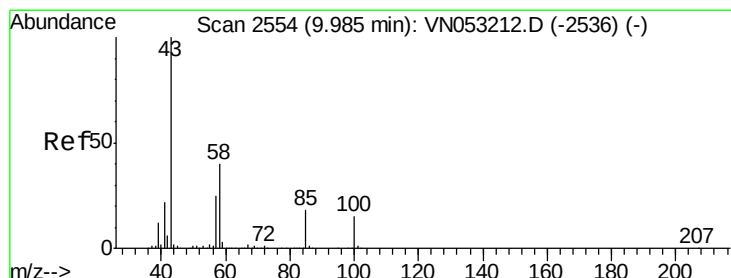
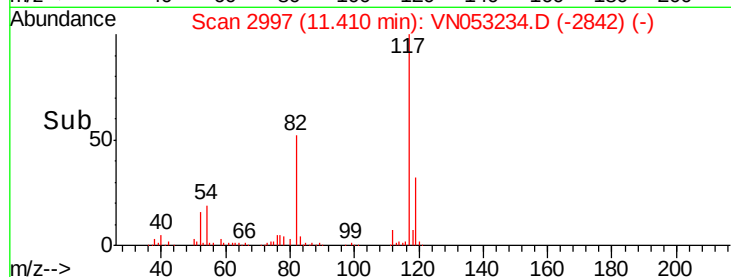
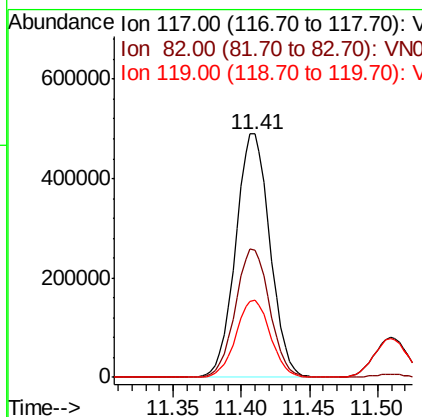
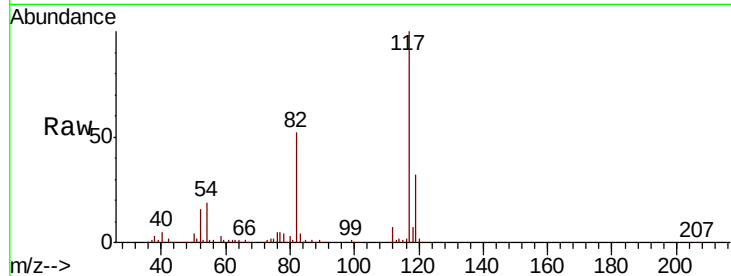
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	855874		
82	52.8		44.2	66.2
119	31.7		25.4	38.2

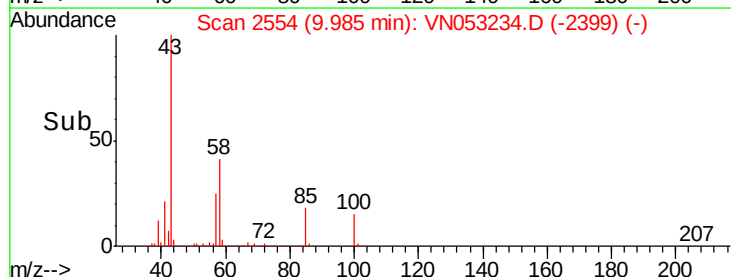
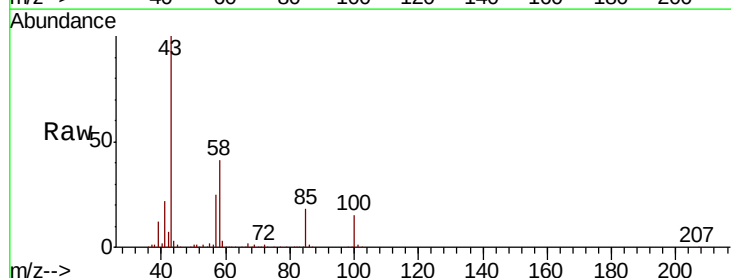
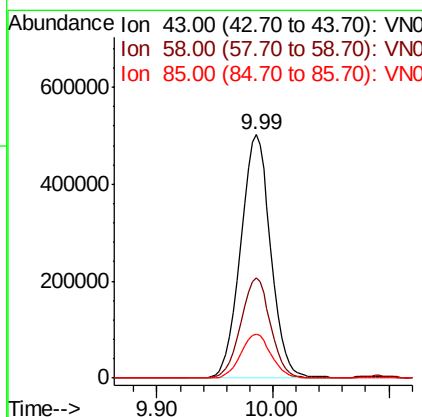
Manual Integrations
APPROVED

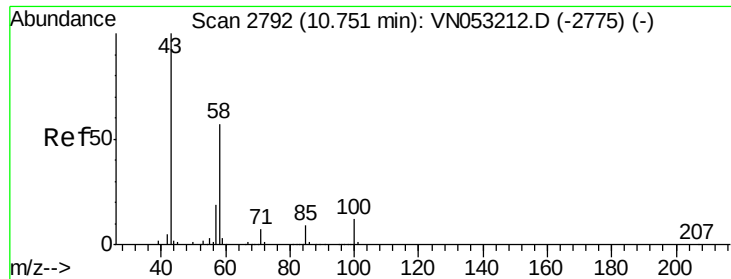
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 110.167 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	898475		
58	40.9		31.6	47.4
85	18.4		13.3	19.9





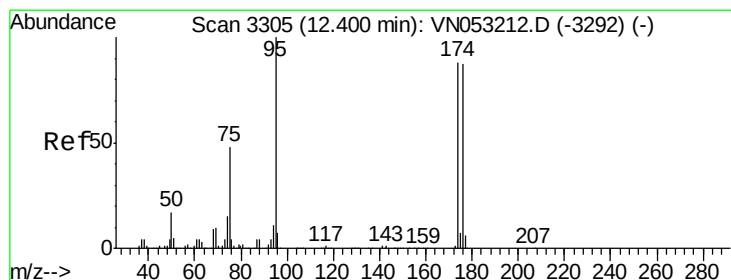
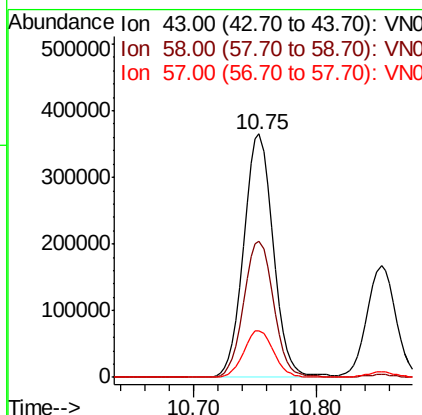
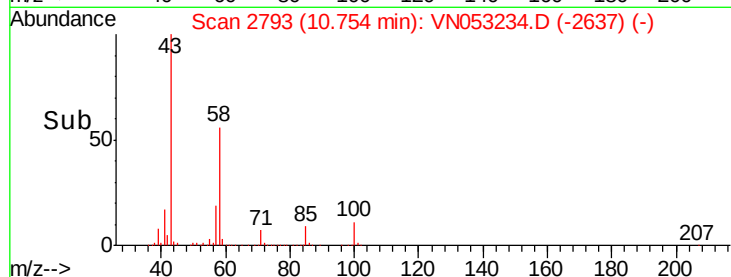
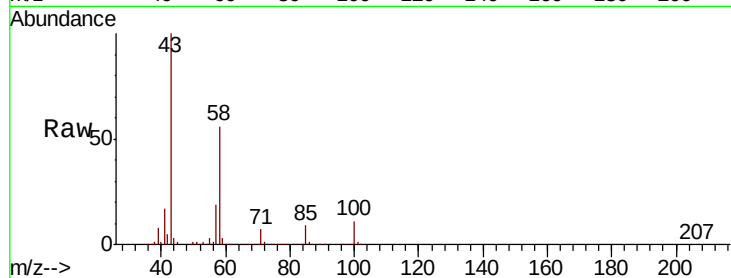
#59
2-Hexanone
Concen: 107.446 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	43.2	64.8
57	19.6	14.9	22.3

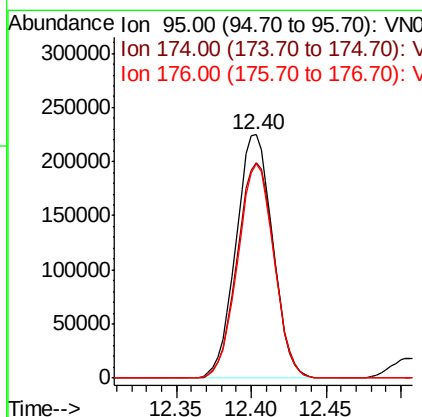
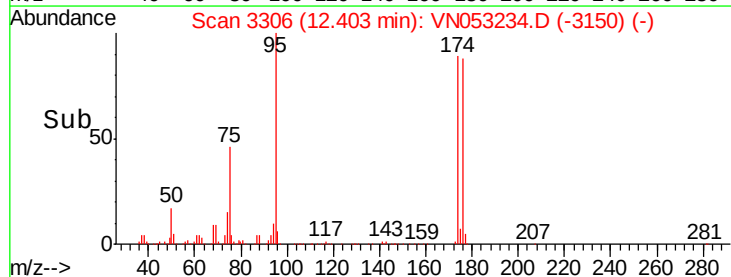
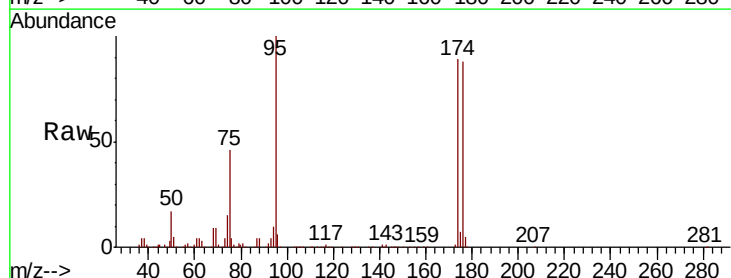
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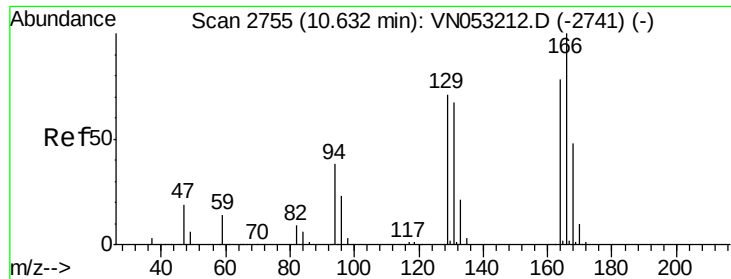
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 107.446 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	67.9	101.9
176	86.6	66.4	99.6





#61

Tetrachloroethene

Concen: 20.115 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 254414

Ion Ratio Lower Upper

164 100

166 127.8 104.6 157.0

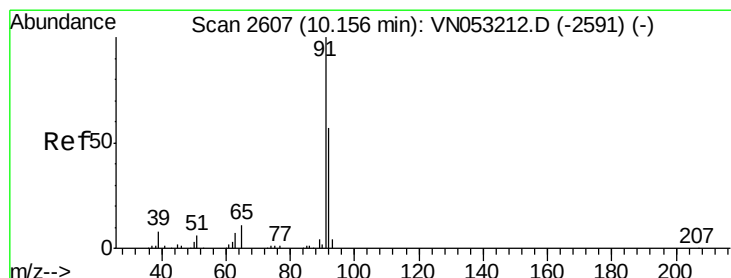
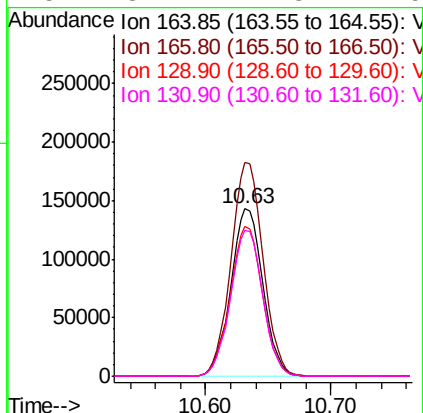
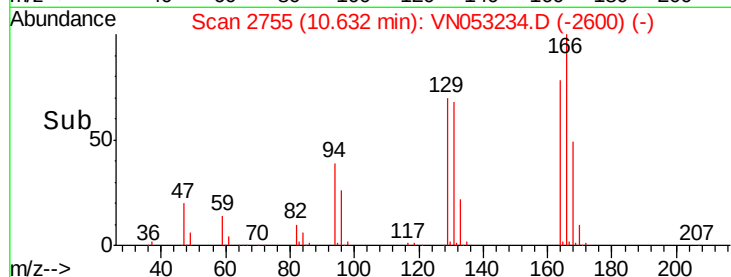
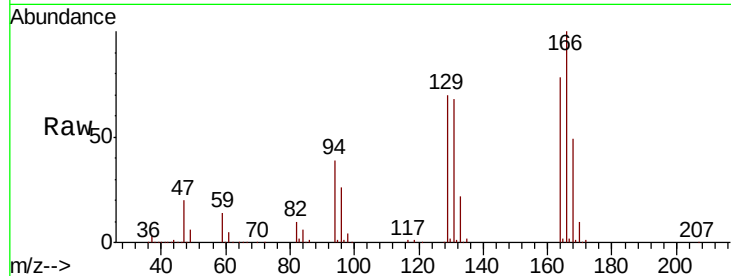
129 89.7 75.3 112.9

131 87.2 74.3 111.5

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#62

Toluene

Concen: 19.821 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053234.D

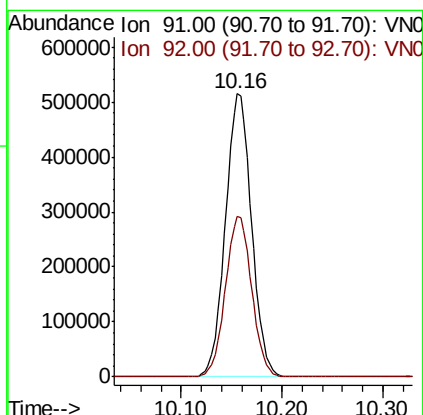
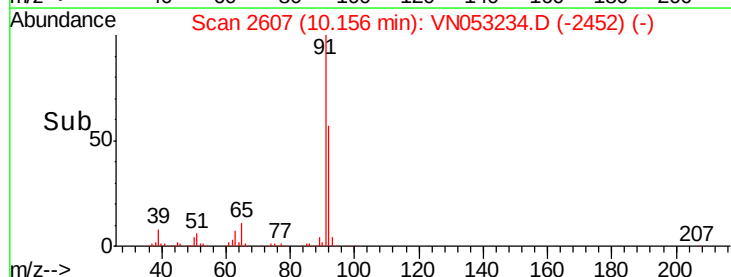
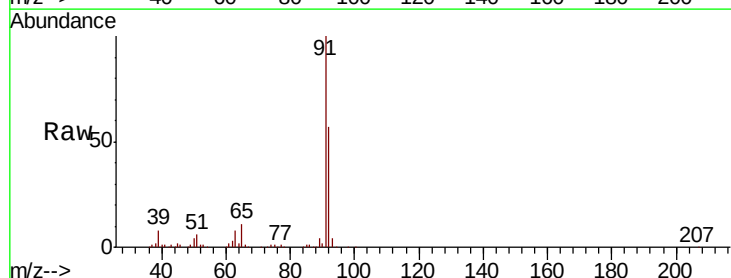
Acq: 28 Dec 2018 19:24

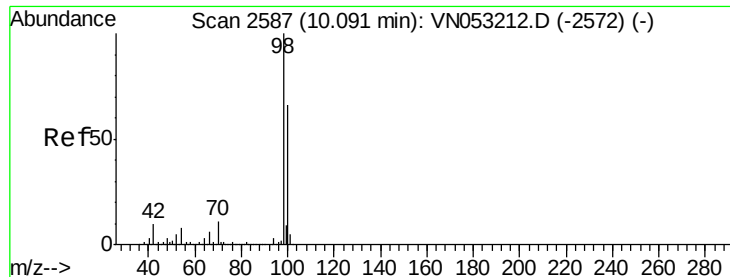
Tgt Ion: 91 Resp: 930398

Ion Ratio Lower Upper

91 100

92 57.1 45.4 68.2





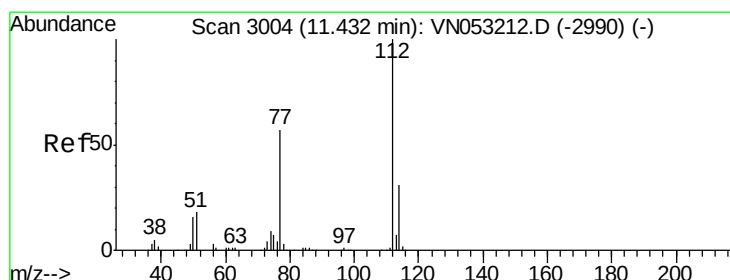
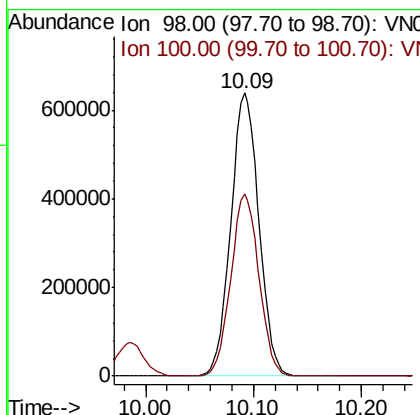
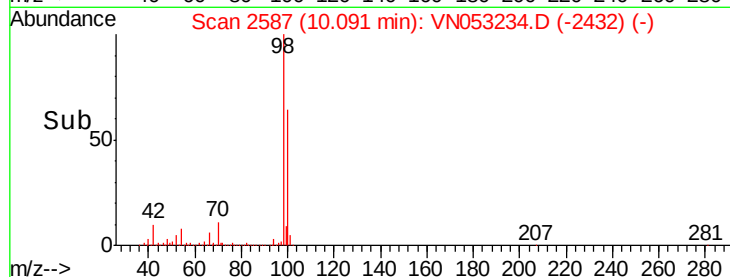
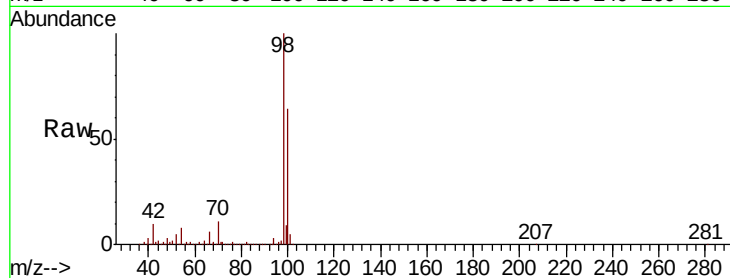
#63
Toluene-d8
Concen: 19.821 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 1159600
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

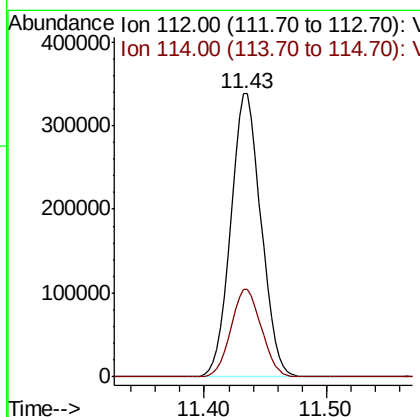
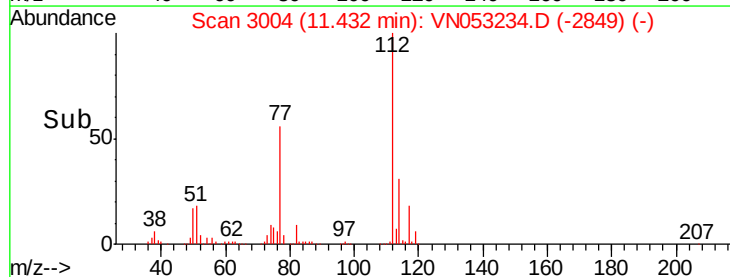
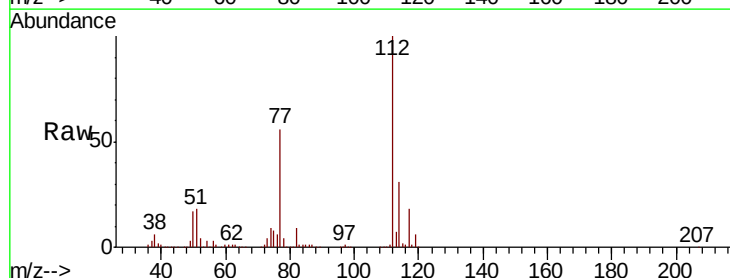
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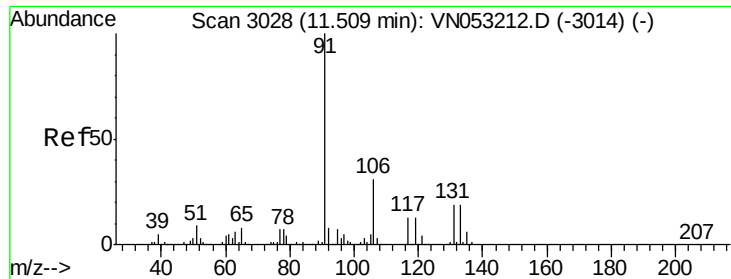
MMDadoda
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#64
Chlorobenzene
Concen: 19.816 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion: 112 Resp: 583684
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.278 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

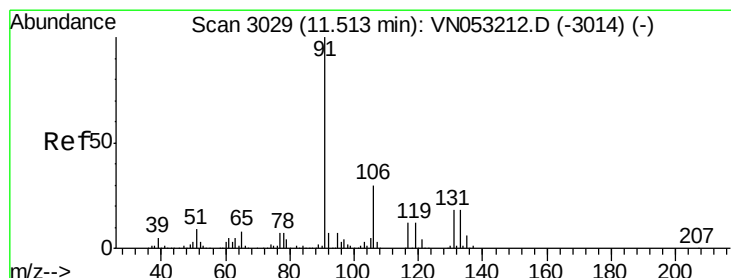
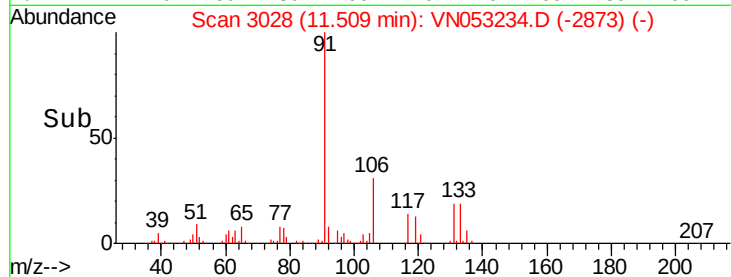
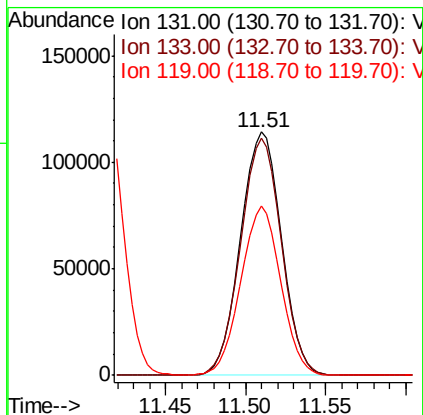
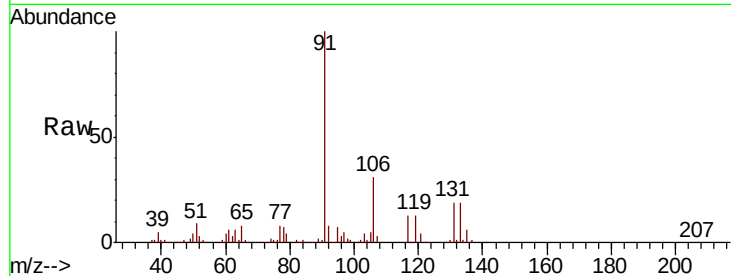
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	199193
Ion Ratio	Lower	Upper	
131	100		
133	97.3	0.0	193.4
119	67.9	0.0	133.0

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#66

Ethyl Benzene

Concen: 19.619 ug/l

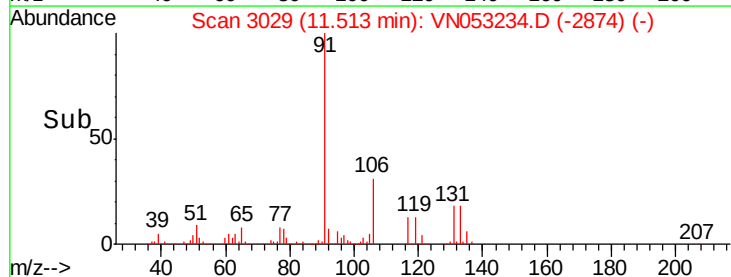
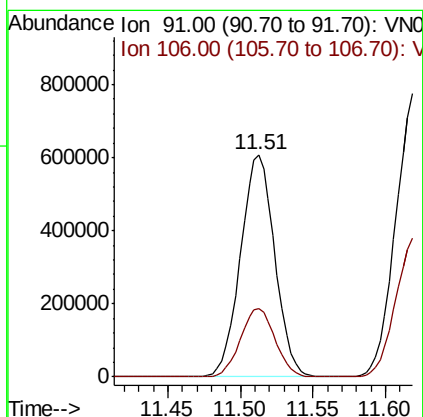
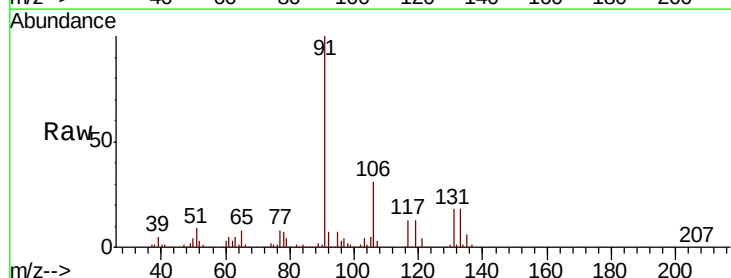
RT: 11.51 min Scan# 3029

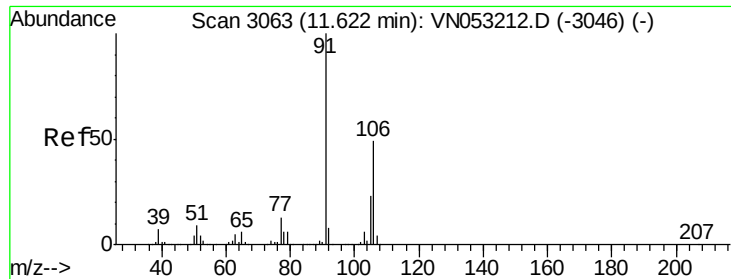
Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	91	Resp:	998645
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.3	36.5





#67

m/p-Xylenes

Concen: 39.209 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion:106 Resp: 754824

Ion Ratio Lower Upper

106 100

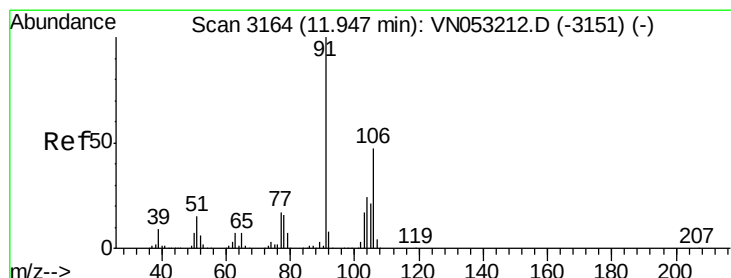
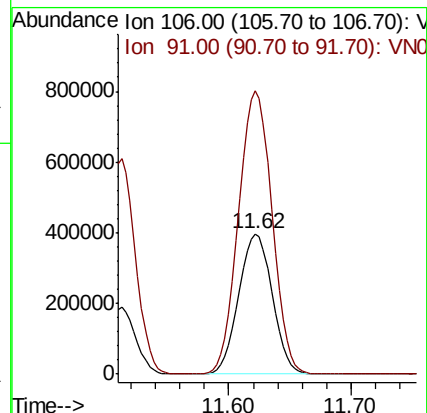
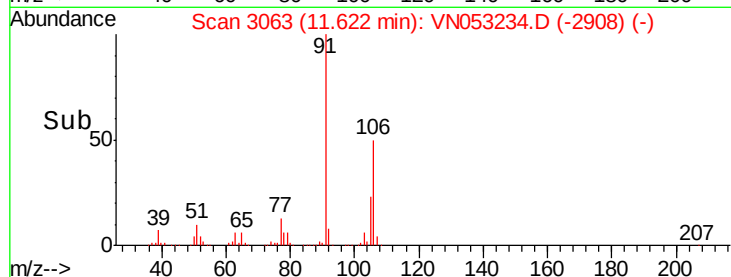
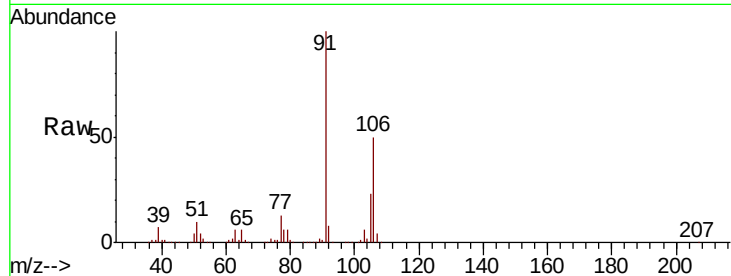
91 202.1 163.9 245.9

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#68

o-Xylene

Concen: 19.827 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053234.D

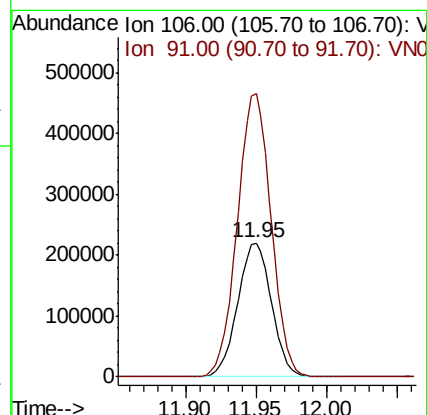
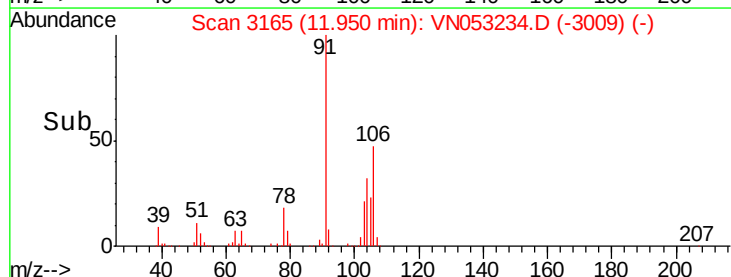
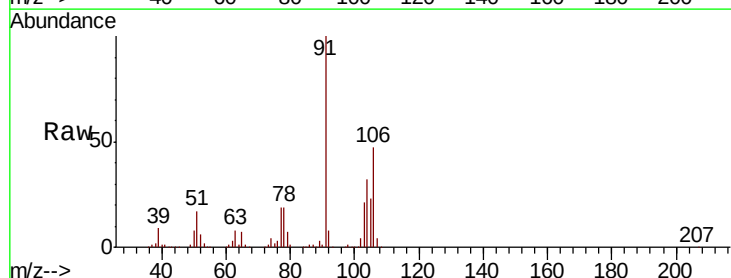
Acq: 28 Dec 2018 19:24

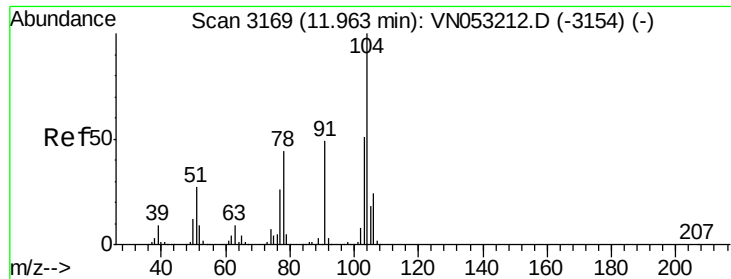
Tgt Ion:106 Resp: 369869

Ion Ratio Lower Upper

106 100

91 211.3 107.8 323.4





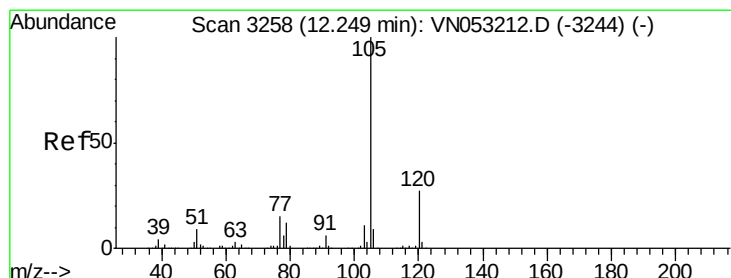
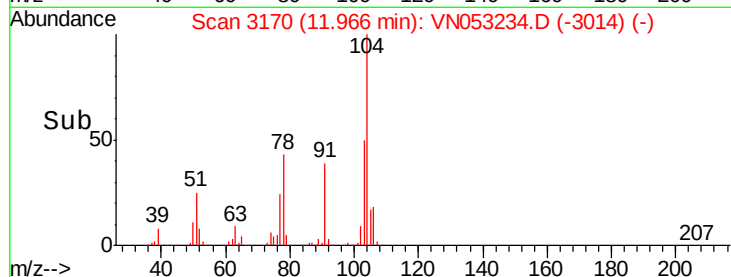
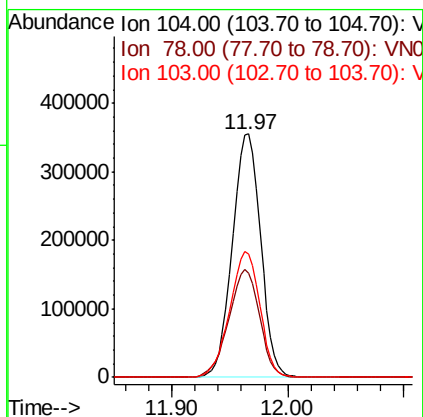
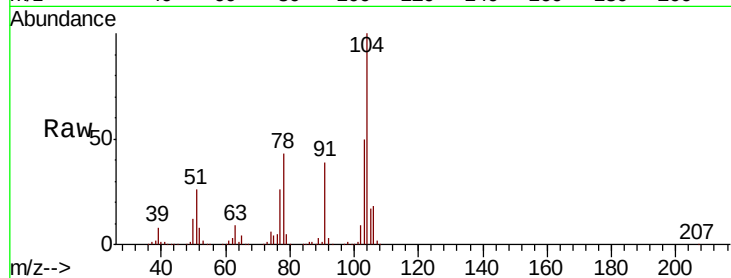
#69
Stvrene
Concen: 19.638 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	598000		
78	48.2		39.3	58.9
103	55.2		44.6	66.8

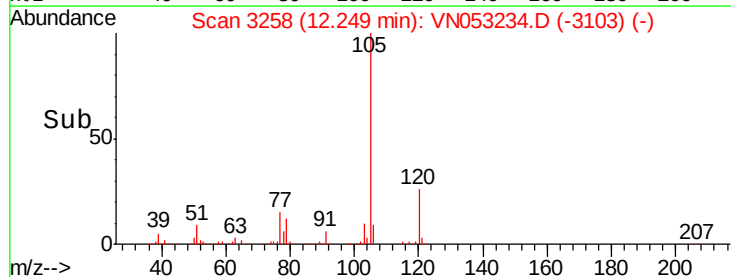
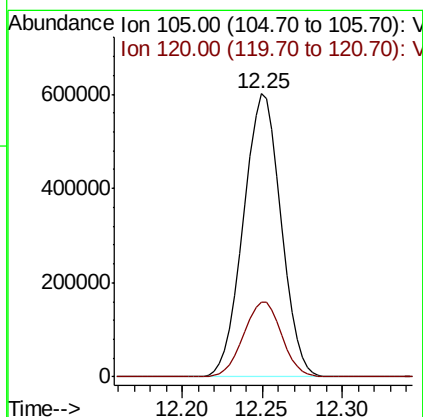
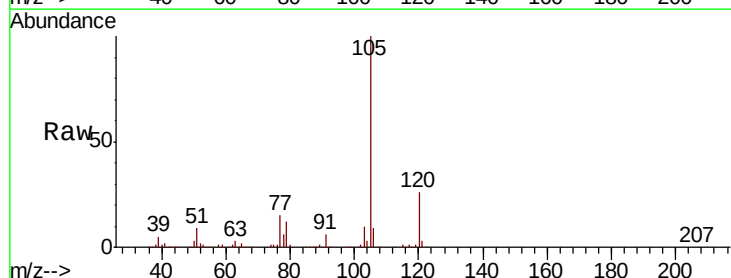
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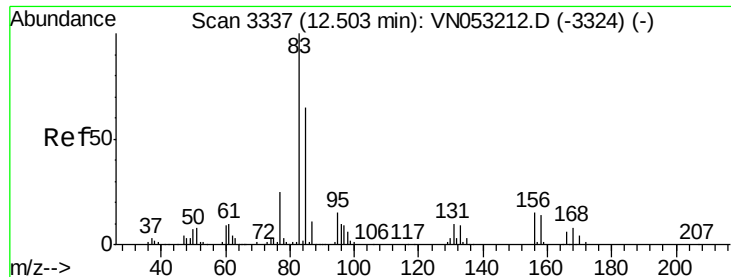
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#70
Isopropylbenzene
Concen: 19.639 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	963948		
120	26.8		18.6	34.6





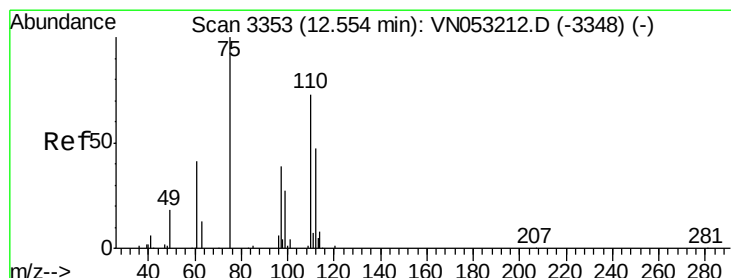
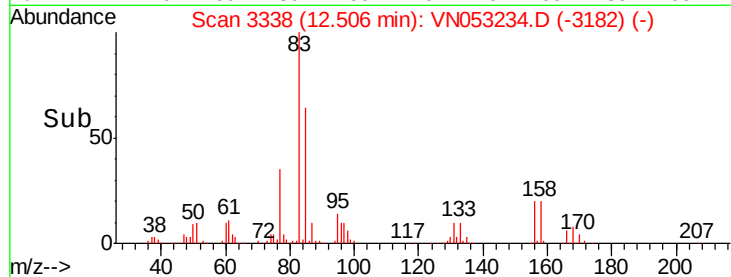
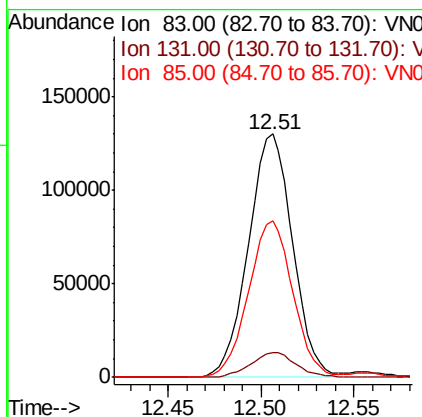
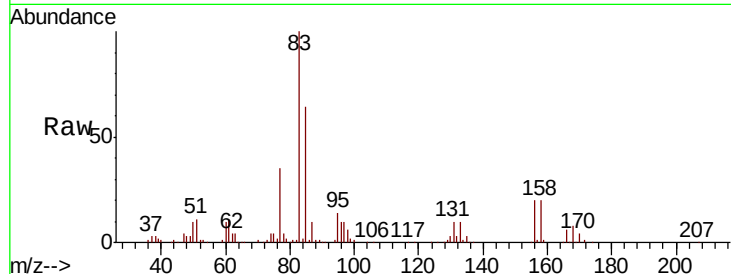
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.984 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	216809		
131	10.5	4.9	14.6	
85	64.5	32.2	96.6	

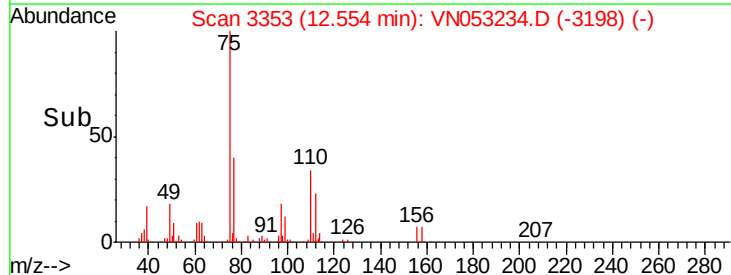
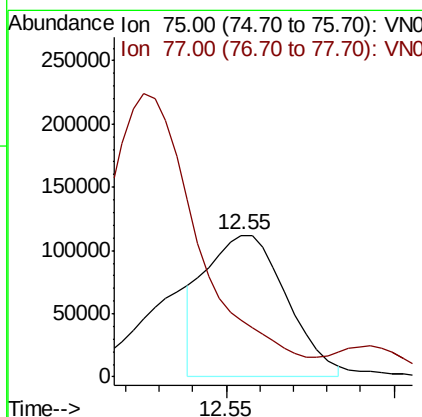
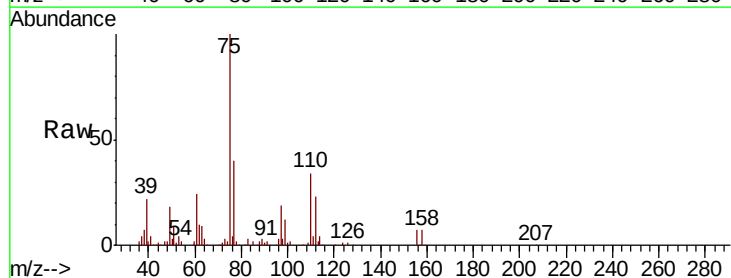
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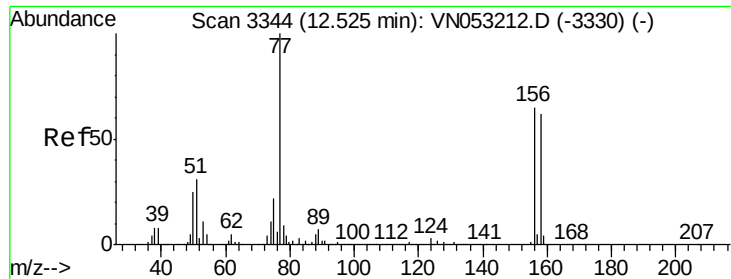
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#72
 1,2,3-Trichloropropane
 Concen: 20.746 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	187713		
77	237.0	0.0	514.8	





#73

Bromobenzene

Concen: 19.297 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

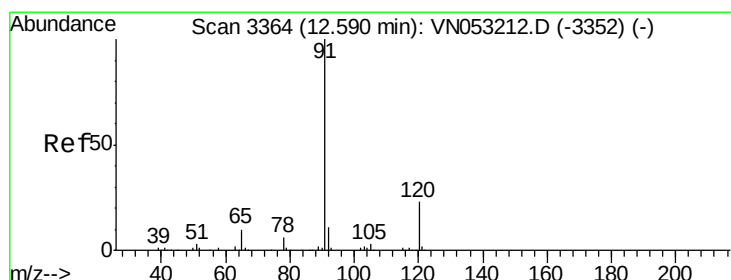
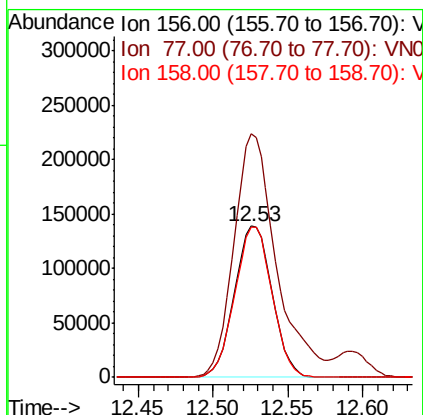
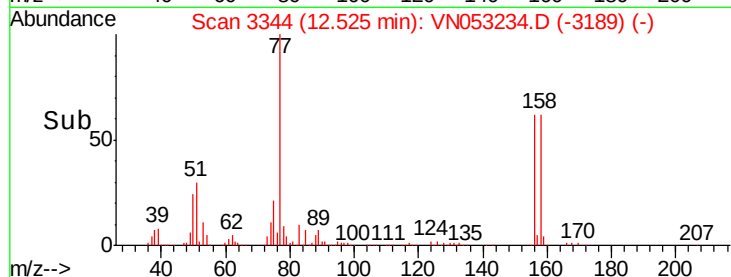
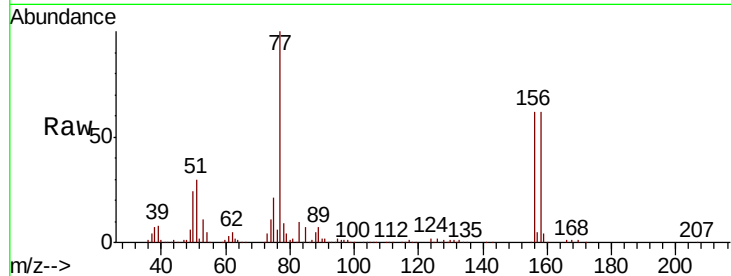
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	243464
Ion Ratio	Lower	Upper	
156	100		
77	182.7	0.0	382.6
158	98.5	0.0	196.8

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#74

n-propylbenzene

Concen: 19.147 ug/l

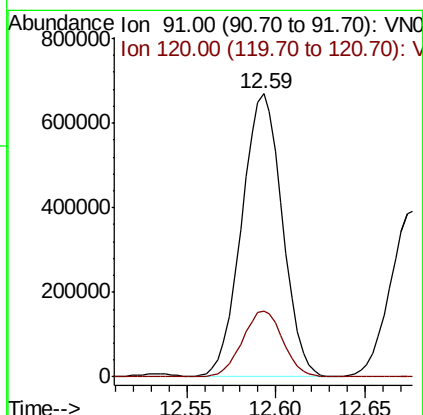
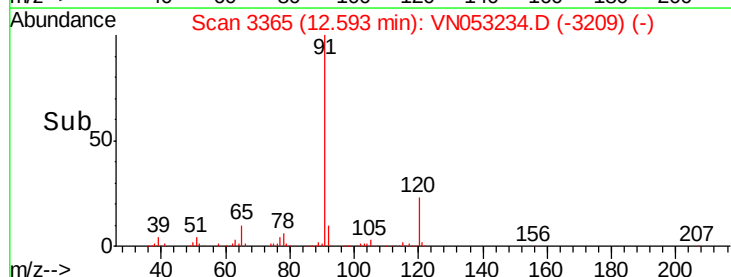
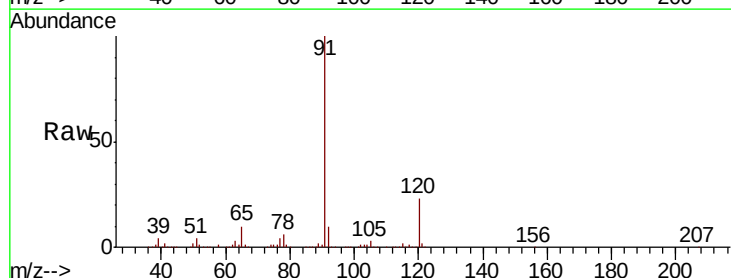
RT: 12.59 min Scan# 3365

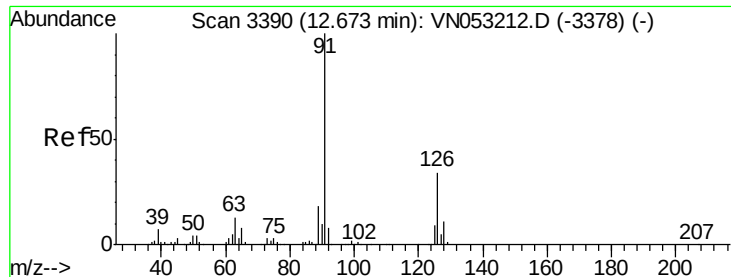
Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	91	Resp:	1063827
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.657 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 646831

Ion Ratio Lower Upper

91 100

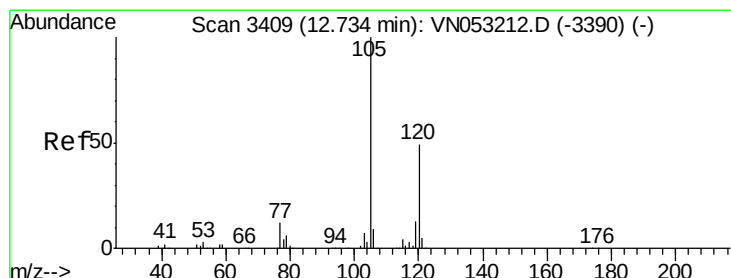
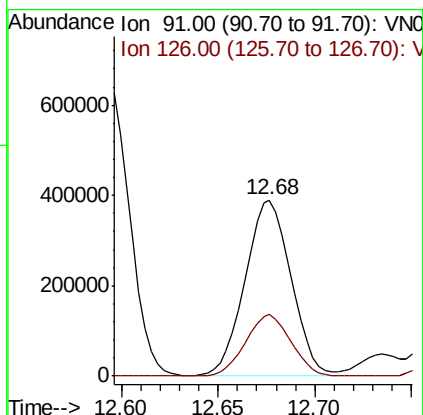
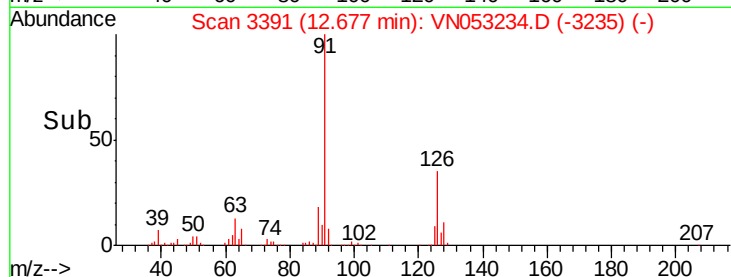
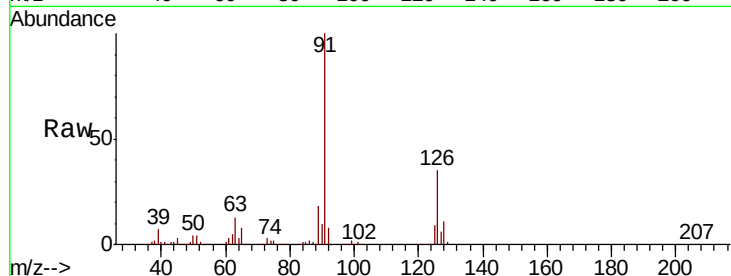
126 34.7 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.200 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053234.D

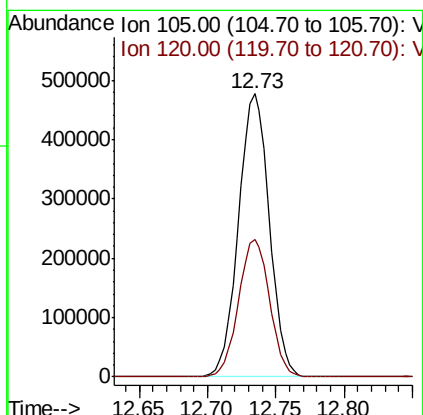
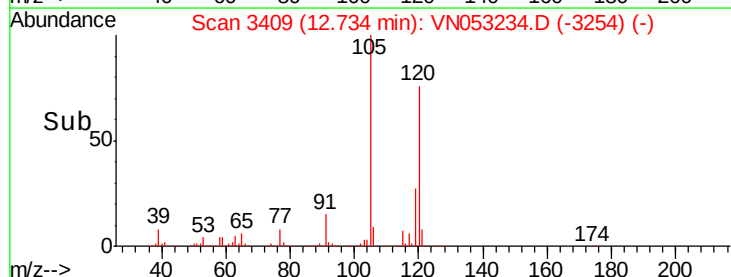
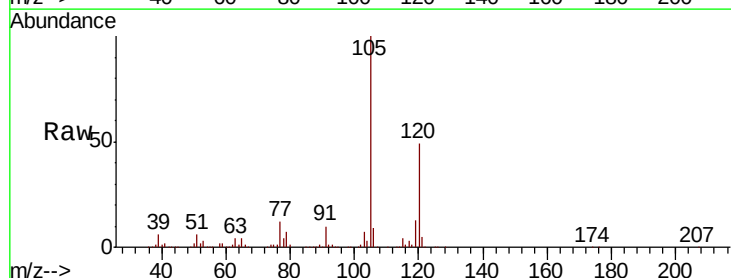
Acq: 28 Dec 2018 19:24

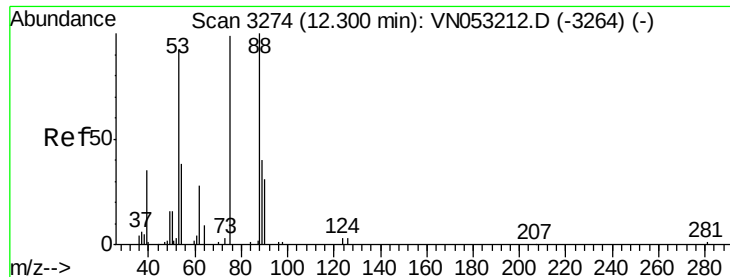
Tgt Ion: 105 Resp: 747548

Ion Ratio Lower Upper

105 100

120 49.0 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.464 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

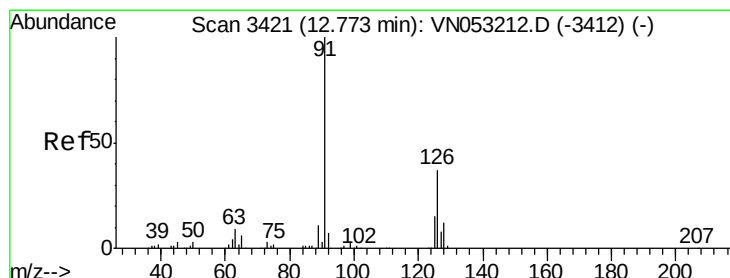
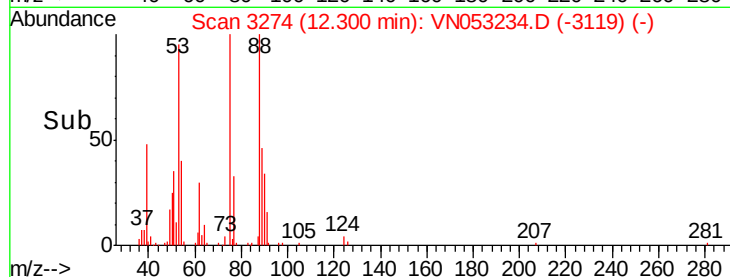
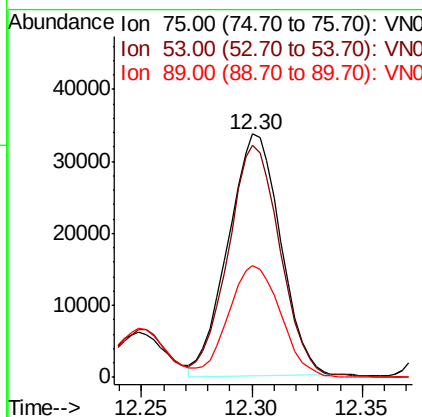
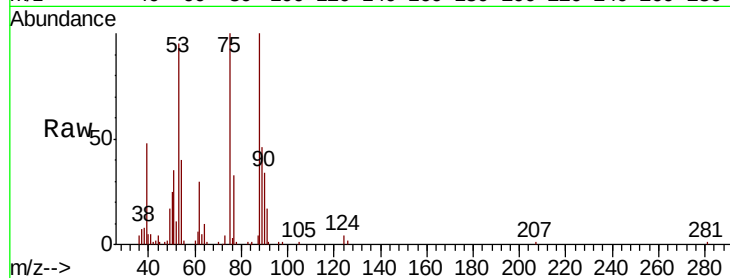
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	55522
Ion	Ratio	Lower	Upper
75	100		
53	95.4	48.5	145.6
89	46.4	21.7	65.1

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#78

4-Chlorotoluene

Concen: 19.053 ug/l

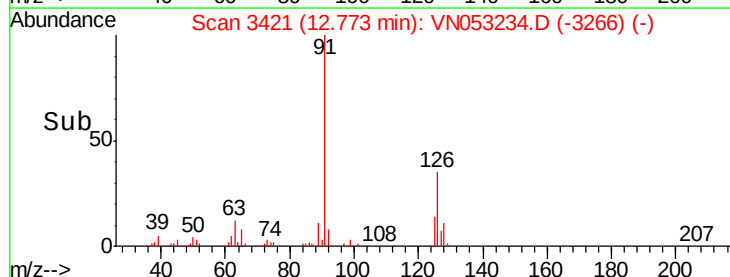
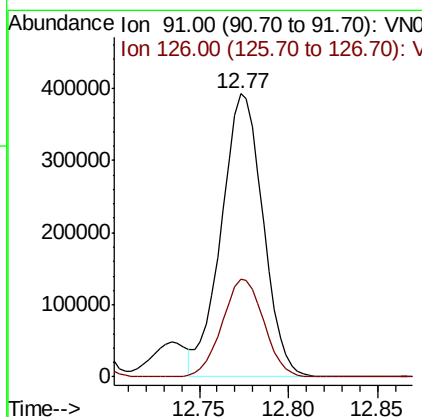
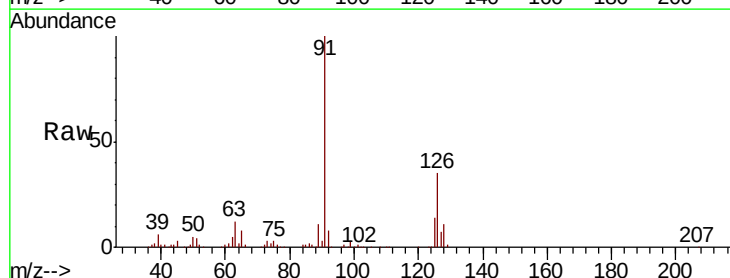
RT: 12.77 min Scan# 3421

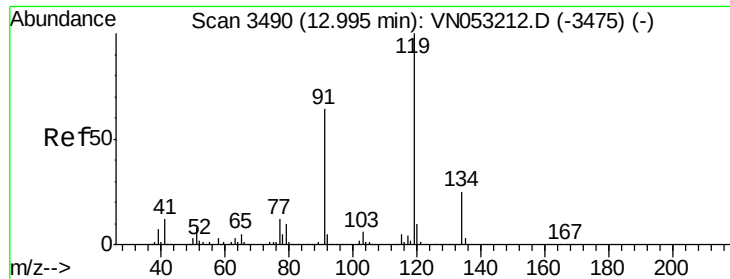
Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	91	Resp:	638188
Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	68.2





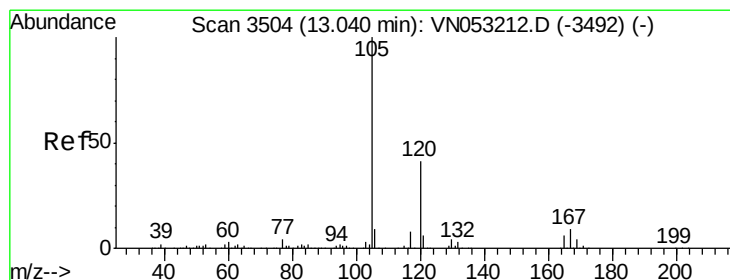
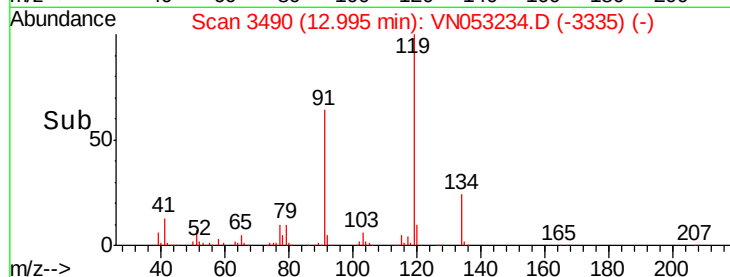
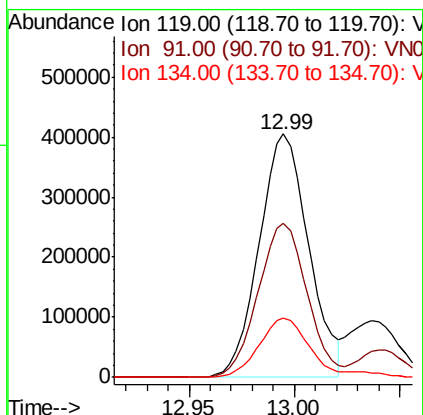
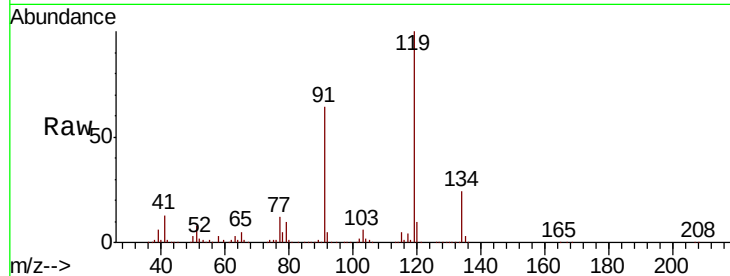
#79
tert-butylbenzene
Concen: 19.494 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	0.0	129.8
134	25.8	0.0	52.2

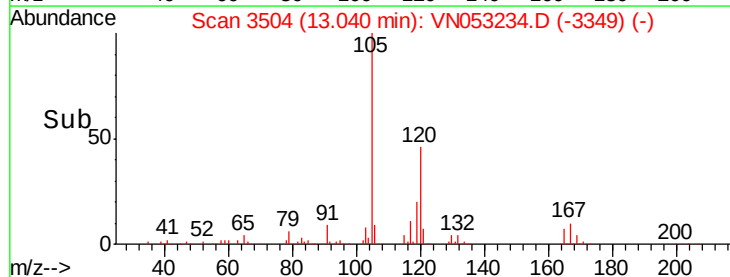
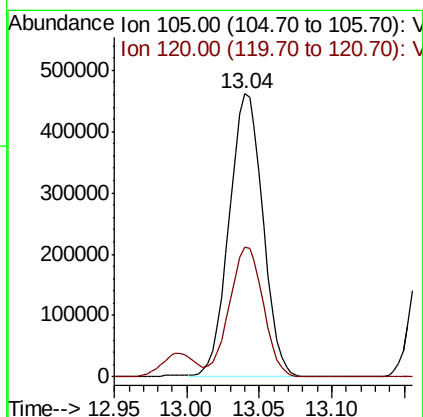
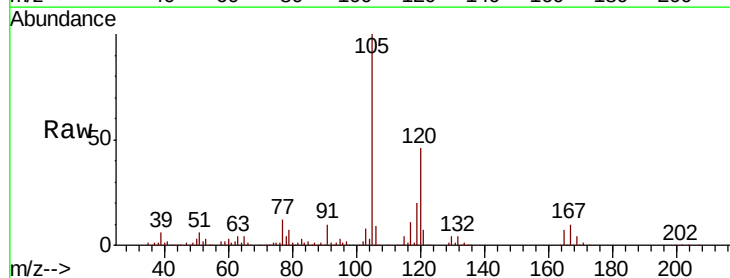
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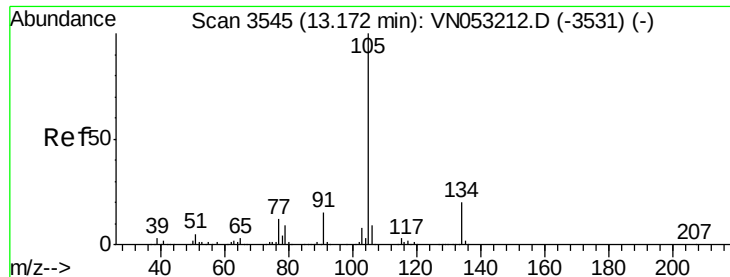
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.118 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	0.0	91.0





#81

sec-Butylbenzene

Concen: 19.017 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 855100

Ion Ratio Lower Upper

105 100

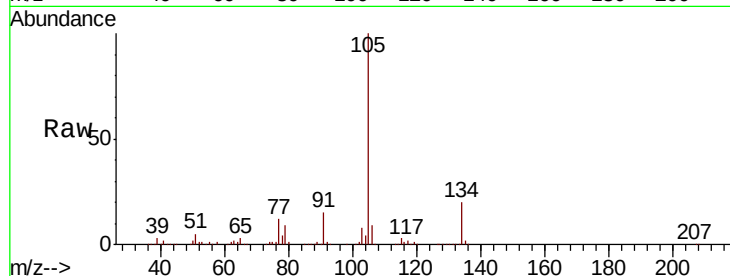
134 20.3 0.0 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

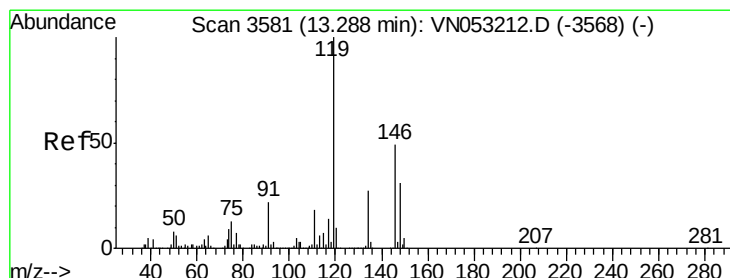
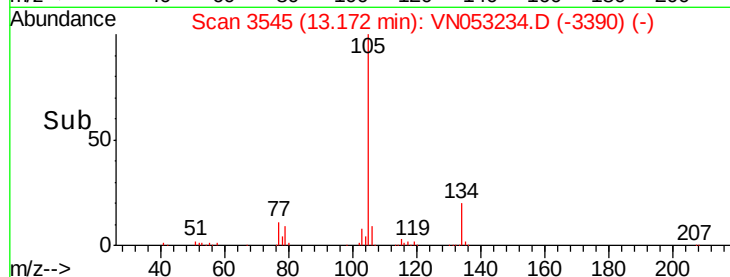
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.675 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

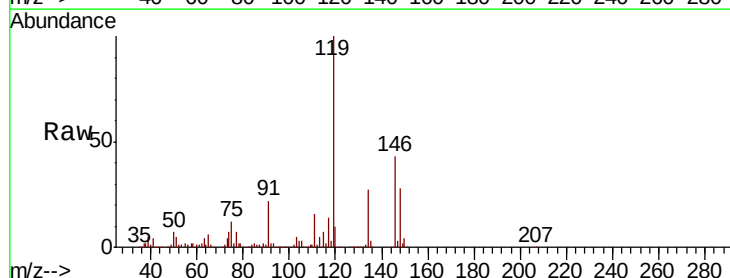
Tgt Ion:119 Resp: 725626

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 22.2 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

600000

500000

400000

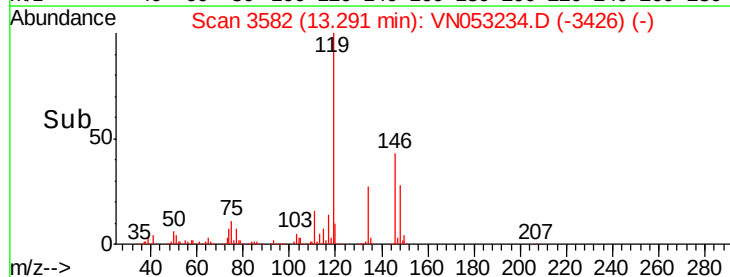
300000

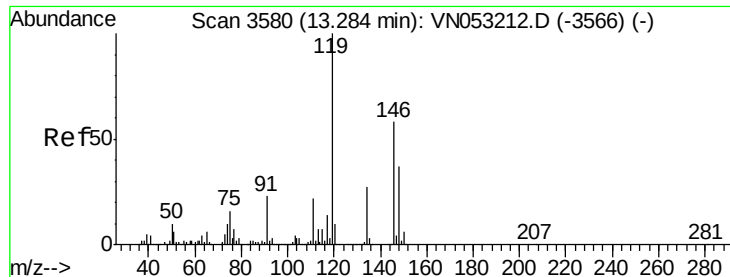
200000

100000

0

Time-->





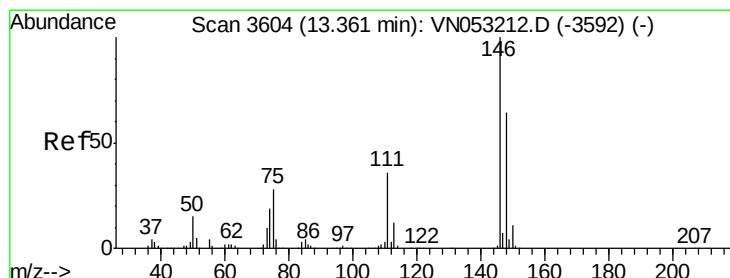
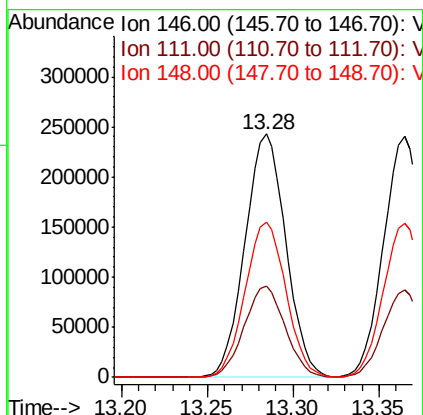
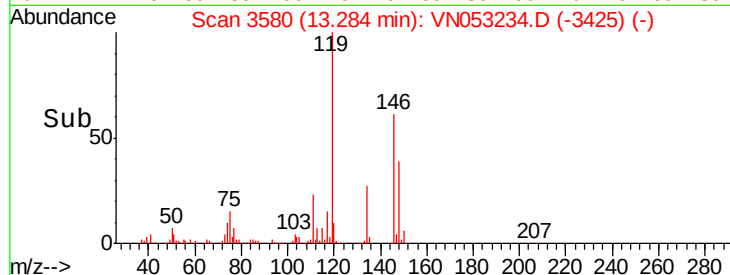
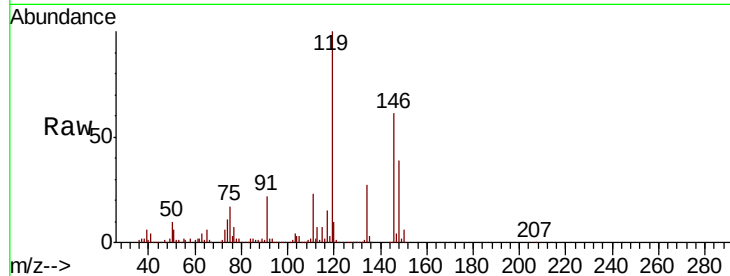
#83
 1,3-Dichlorobenzene
 Concen: 18.649 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	63.8	32.3	96.8

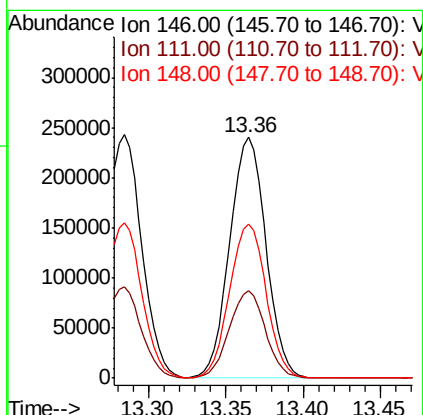
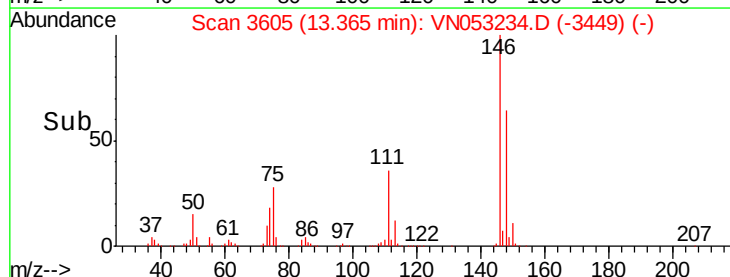
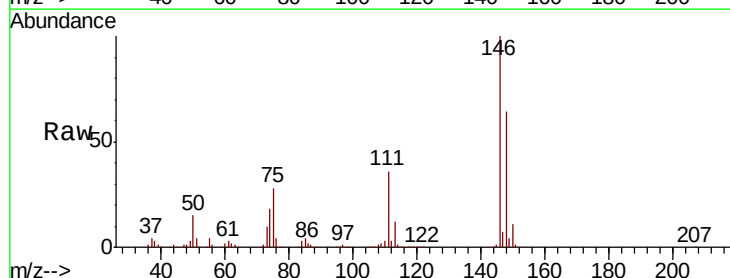
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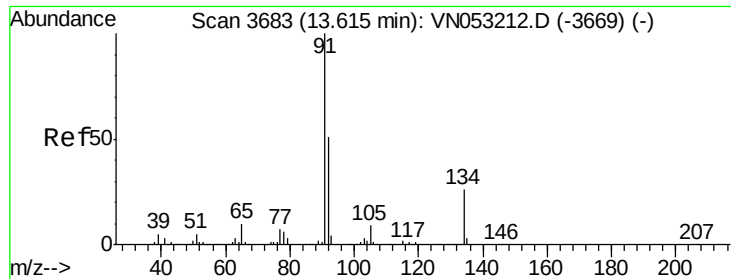
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#84
 1,4-Dichlorobenzene
 Concen: 18.661 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.8	56.3
148	64.6	32.5	97.4





#85

n-Butylbenzene

Concen: 17.796 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Instrument :

MSVOA_N

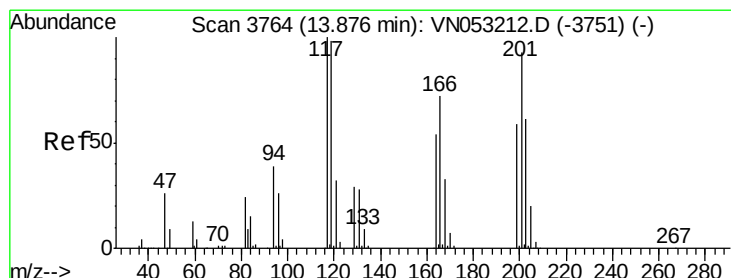
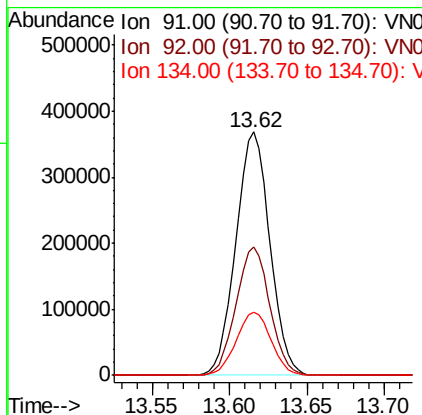
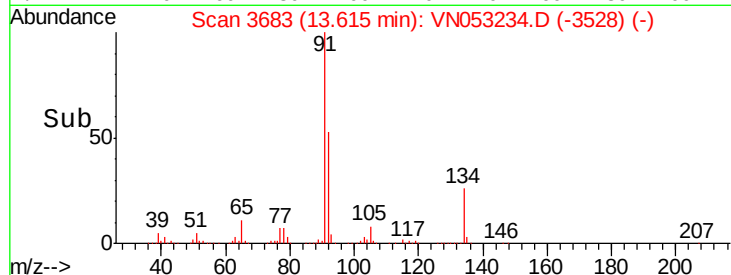
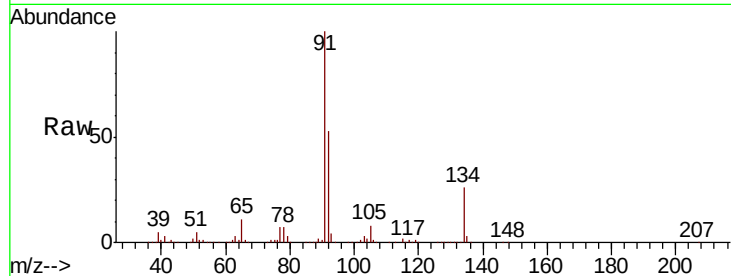
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	562312
Ion Ratio	Lower	Upper	
91	100		
92	52.3	0.0	104.2
134	26.6	0.0	50.6

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#86

Hexachloroethane

Concen: 18.754 ug/l

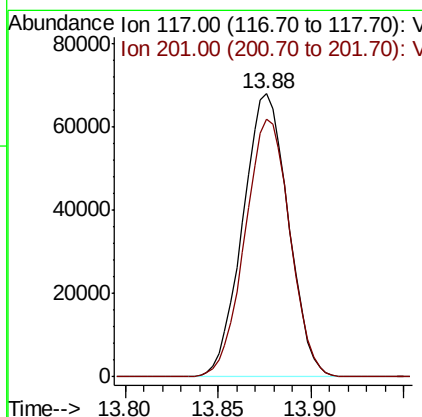
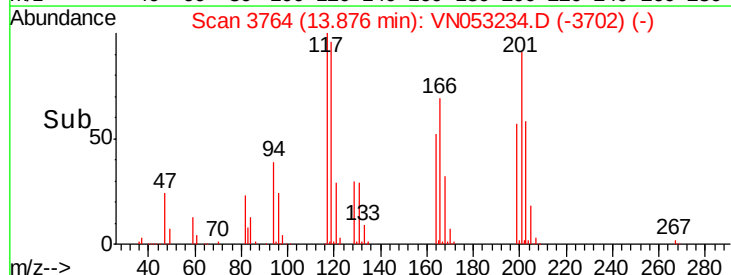
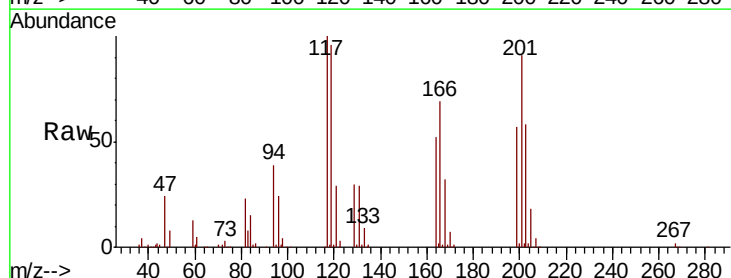
RT: 13.88 min Scan# 3764

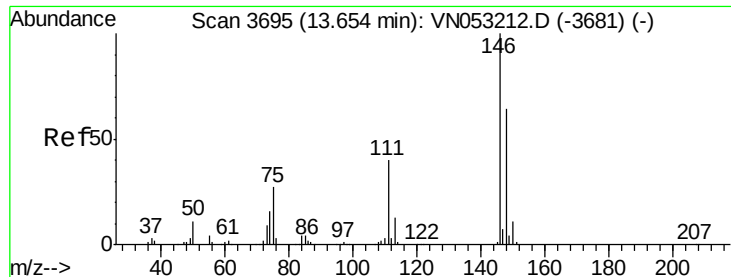
Delta R.T. -0.00 min

Lab File: VN053234.D

Acq: 28 Dec 2018 19:24

Tgt Ion:	117	Resp:	116344
Ion Ratio	Lower	Upper	
117	100		
201	90.0	43.8	131.3





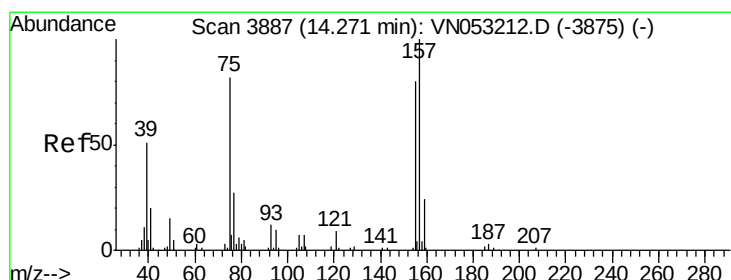
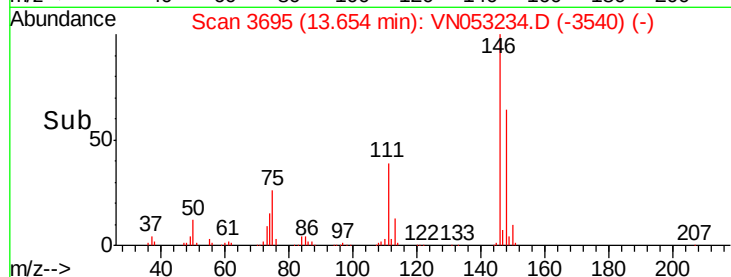
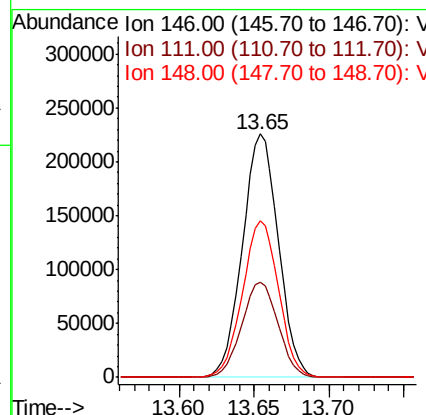
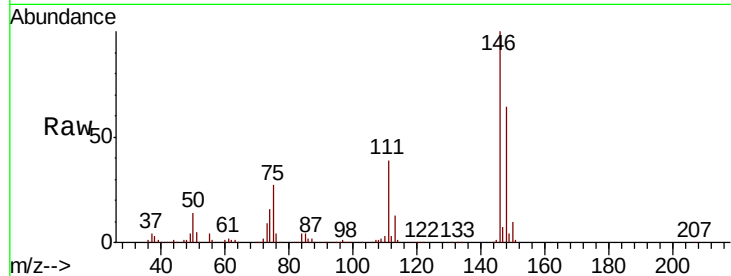
#87
 1,2-Dichlorobenzene
 Concen: 18.918 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.4	32.1	96.5

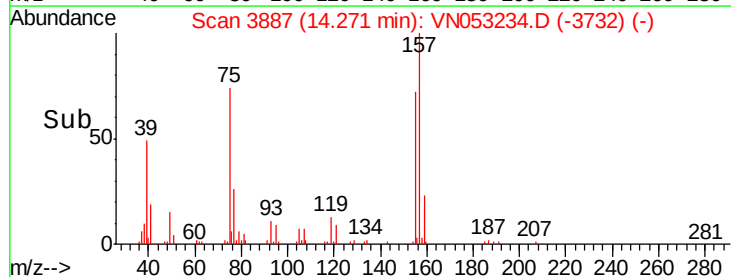
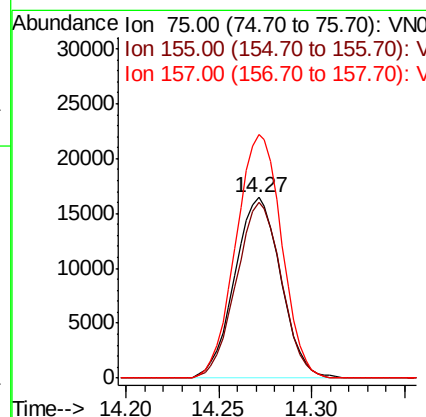
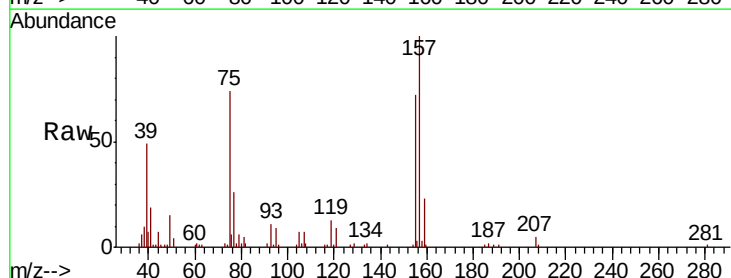
Manual Integrations
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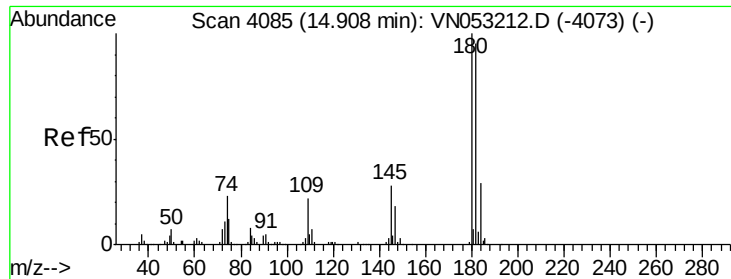
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.378 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	72.2	108.2
157	133.3	94.2	141.2





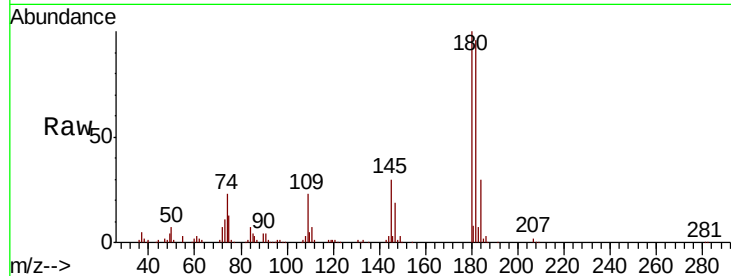
#89
 1,2,4-Trichlorobenzene
 Concen: 18.605 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
145	29.1	23.6	35.4

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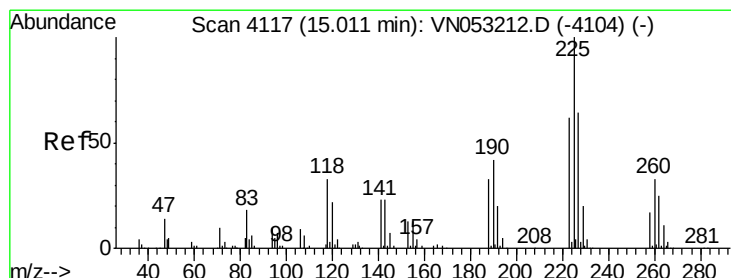
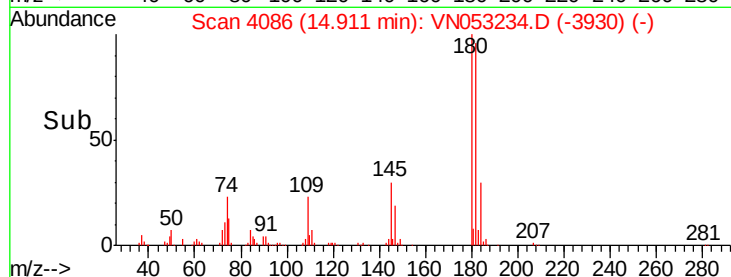
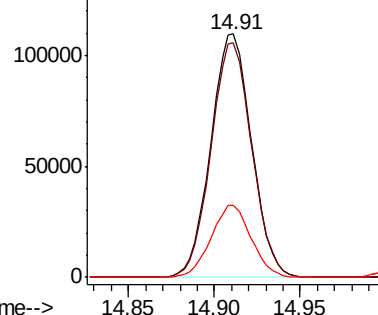


Abundance

Ion 180.00 (179.70 to 180.70): V

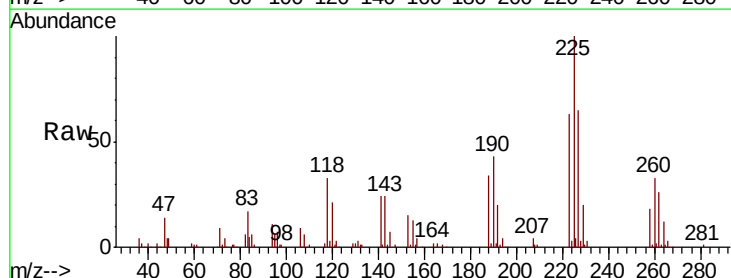
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.570 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053234.D
 Acq: 28 Dec 2018 19:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	125.6
227	66.0	0.0	127.8

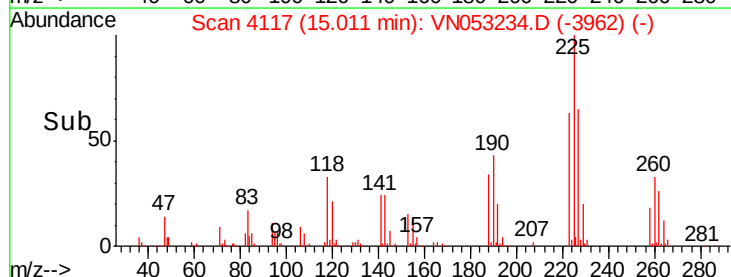
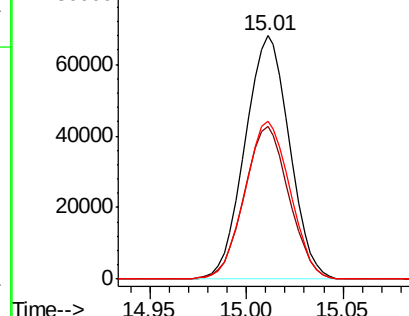


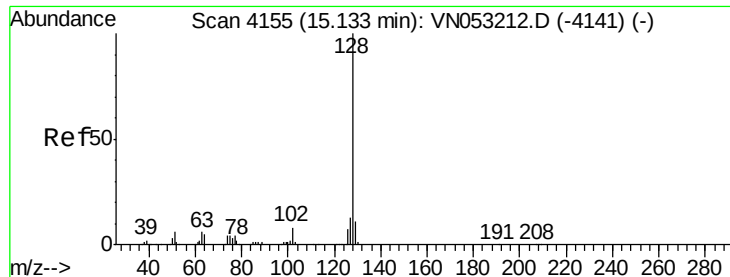
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





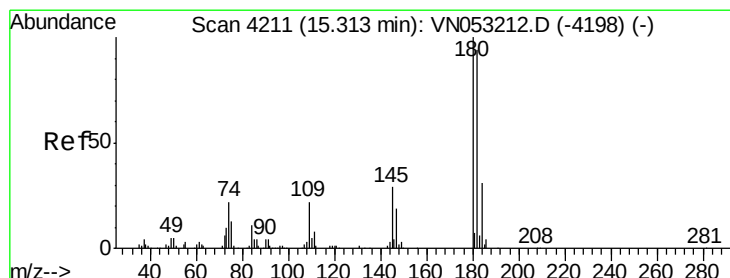
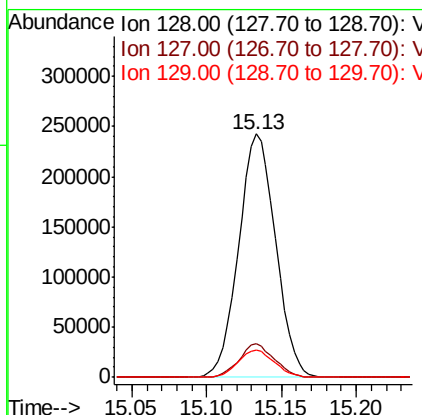
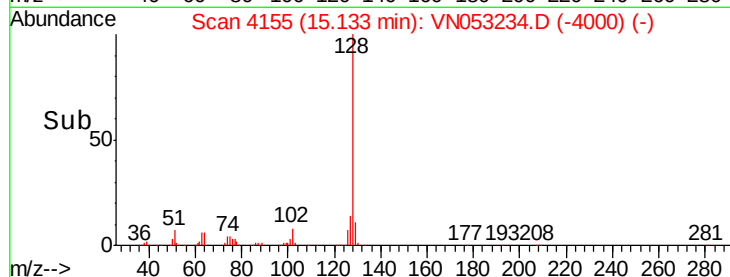
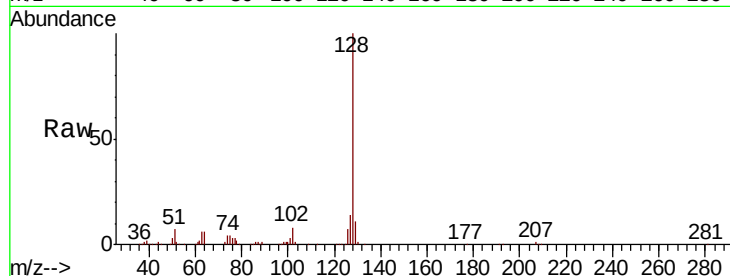
#91
Naphthalene
Concen: 20.302 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.0		9.9	14.9	
129	11.1		8.5	12.7	

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#92
1,2,3-Trichlorobenzene
Concen: 20.016 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053234.D
Acq: 28 Dec 2018 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.6		0.0	196.2	
145	29.7		0.0	62.2	

