

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053199.D
 Acq On : 27 Dec 2018 8:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 10:14:38 AM

Quant Time: Dec 28 00:53:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	929650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1370433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	604732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	458787	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	392306	62.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.34%	
50) Toluene-d8	10.09	98	1710220	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	613474	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	435135	46.248	ug/l 99
3) Chloromethane	2.06	50	539967	47.359	ug/l 100
4) Vinyl Chloride	2.19	62	545107	47.208	ug/l 99
5) Bromomethane	2.57	94	380151	47.518	ug/l 98
6) Chloroethane	2.71	64	328441	48.026	ug/l 99
7) Trichlorofluoromethane	3.02	101	704099	48.948	ug/l 99
8) Diethyl Ether	3.41	74	269748	49.708	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	464765	50.675	ug/l 98
10) Methyl Iodide	3.96	142	626411	48.635	ug/l 99
11) Tert butyl alcohol	4.77	59	134009	232.801	ug/l 99
12) 1,1-Dichloroethene	3.74	96	426831	48.171	ug/l 99
13) Acrolein	3.60	56	136507	261.531	ug/l 100
14) Allyl chloride	4.32	41	689168	50.212	ug/l 98
15) Acrylonitrile	4.98	53	787919	246.382	ug/l 100
16) Acetone	3.81	43	437486	236.511	ug/l 97
17) Carbon Disulfide	4.06	76	1186183	41.048	ug/l 99
18) Methyl Acetate	4.32	43	435346	51.818	ug/l 99
19) Methyl tert-butyl Ether	5.04	73	1176711	49.625	ug/l 100
20) Methylene Chloride	4.55	84	507473	50.294	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	459498	48.266	ug/l 98
22) Diisopropyl ether	5.95	45	1552092	52.979	ug/l 99
23) Vinyl Acetate	5.89	43	4350680	258.258	ug/l 99
24) 1,1-Dichloroethane	5.85	63	887836	51.000	ug/l 99
25) 2-Butanone	6.83	43	795493	256.253	ug/l 97
26) 2,2-Dichloropropane	6.82	77	677389	50.973	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	542664	50.350	ug/l 100
28) Bromochloromethane	7.19	49	393146	52.117	ug/l 96
29) Tetrahydrofuran	7.21	42	562820	242.749	ug/l 99
30) Chloroform	7.37	83	867728	50.740	ug/l 99
31) Cyclohexane	7.65	56	809037	49.542	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	725262	49.784	ug/l 100
36) 1,1-Dichloropropene	7.79	75	671047	51.016	ug/l 100
37) Ethyl Acetate	6.92	43	372198	50.687	ug/l 99
38) Carbon Tetrachloride	7.77	117	630492	52.294	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	783689	49.044	ug/l	99
40) Benzene	8.04	78	2035737	52.031	ug/l	100
41) Methacrylonitrile	7.17	41	227353	53.586	ug/l	95
42) 1,2-Dichloroethane	8.12	62	597023	51.653	ug/l	98
43) Isopropyl Acetate	8.16	43	693373	48.768	ug/l	97
44) Trichloroethene	8.83	130	561732	49.637	ug/l	99
45) 1,2-Dichloropropane	9.12	63	544415	53.421	ug/l	99
46) Dibromomethane	9.21	93	305893	51.525	ug/l	99
47) Bromodichloromethane	9.40	83	676495	53.607	ug/l	98
48) Methyl methacrylate	9.20	41	355939	49.953	ug/l	99
49) 1,4-Dioxane	9.20	88	89211	989.753	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1854547	260.792	ug/l	99
52) Toluene	10.16	92	1279876	52.776	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	686675	51.746	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	808918	53.107	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	446989	52.833	ug/l	99
56) Ethyl methacrylate	10.43	69	579664	51.764	ug/l	98
57) 1,3-Dichloropropane	10.71	76	765584	52.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1636070	266.123	ug/l	99
59) 2-Hexanone	10.75	43	1301466	270.501	ug/l	99
60) Dibromochloromethane	10.90	129	512355	52.905	ug/l	100
61) 1,2-Dibromoethane	11.00	107	441979	51.438	ug/l	99
64) Tetrachloroethene	10.63	164	623176	45.851	ug/l	98
65) Chlorobenzene	11.43	112	1439523	51.757	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	511993	52.936	ug/l	100
67) Ethyl Benzene	11.51	91	2496297	52.189	ug/l	100
68) m/p-Xylenes	11.62	106	1904996	104.765	ug/l	100
69) o-Xylene	11.95	106	935337	53.605	ug/l	99
70) Styrene	11.96	104	1547733	54.398	ug/l	99
71) Bromoform	12.13	173	354054	50.672	ug/l #	100
73) Isopropylbenzene	12.25	105	2469899	52.201	ug/l	99
74) N-amyl acetate	12.07	43	633331	48.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	502600	54.145	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	464144m	45.594	ug/l	
77) Bromobenzene	12.53	156	635848	51.698	ug/l	97
78) n-propylbenzene	12.59	91	2857809	53.033	ug/l	99
79) 2-Chlorotoluene	12.67	91	1662496	49.772	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1991381	51.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	159356	50.454	ug/l	95
82) 4-Chlorotoluene	12.77	91	1705950	52.174	ug/l	99
83) tert-Butylbenzene	12.99	119	1761080	51.632	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2029613	52.351	ug/l	100
85) sec-Butylbenzene	13.17	105	2341657	50.757	ug/l	100
86) p-Isopropyltoluene	13.29	119	2060084	51.678	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1128069	51.822	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1116638	50.654	ug/l	99
89) n-Butylbenzene	13.61	91	1733226	50.538	ug/l	100
90) Hexachloroethane	13.87	117	323621	52.901	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1060237	51.752	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75592	47.098	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	526016	48.481	ug/l	100
94) Hexachlorobutadiene	15.01	225	331102	59.458	ug/l	99
95) Naphthalene	15.13	128	1058759	44.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	452801	46.363	ug/l	100

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

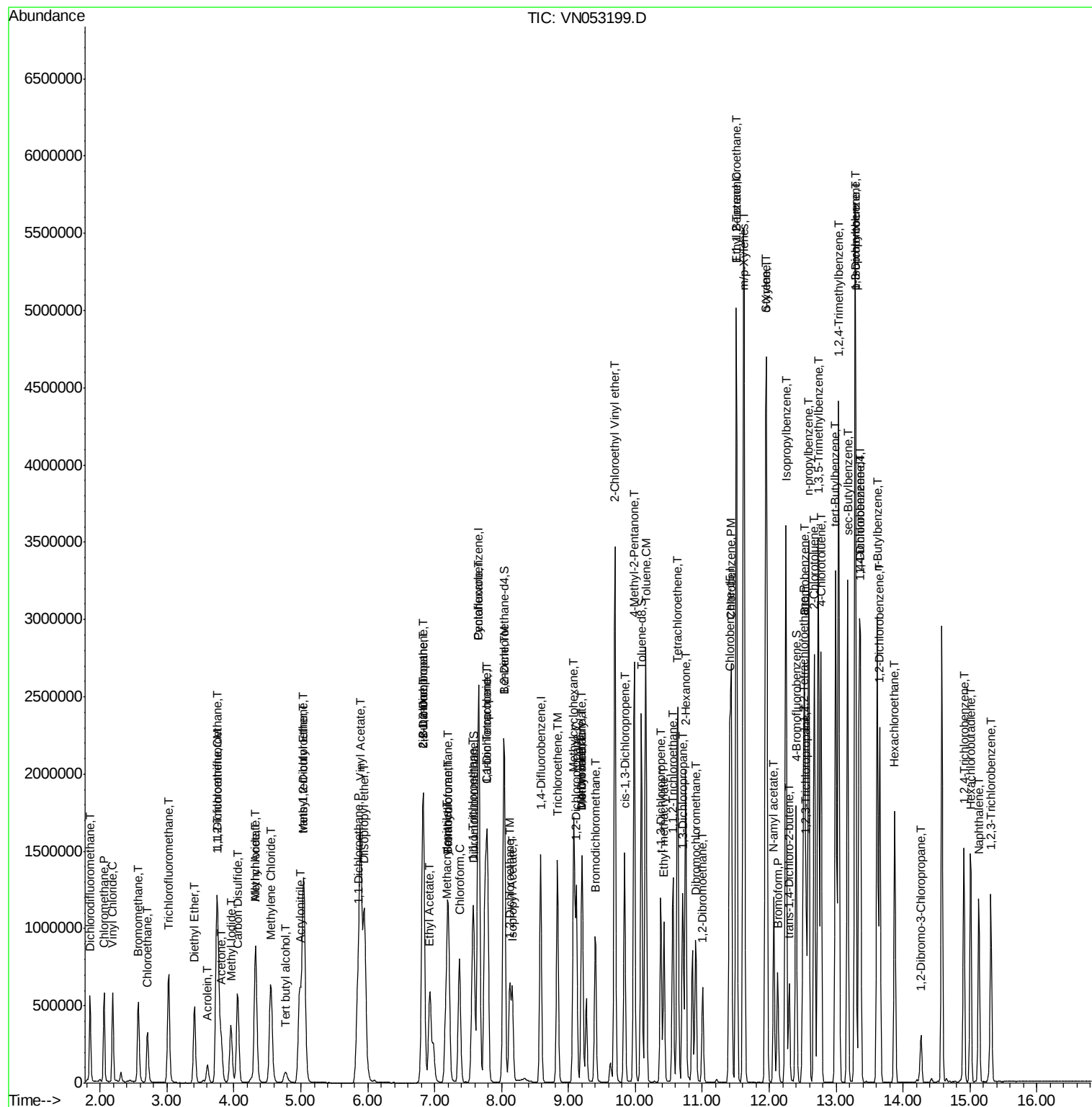
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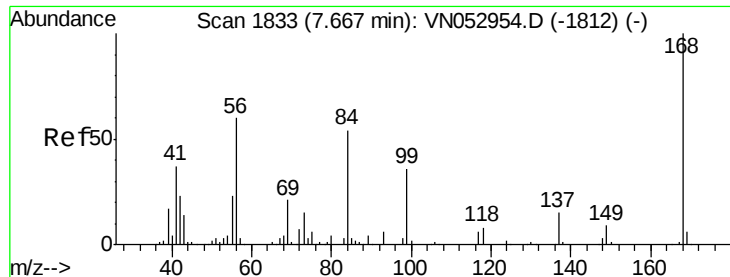
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 929650

Ion Ratio Lower Upper

168 100

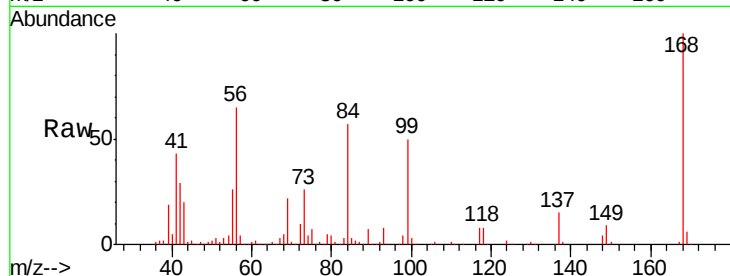
99 49.7 40.2 60.2

Manual Integrations

APPROVED

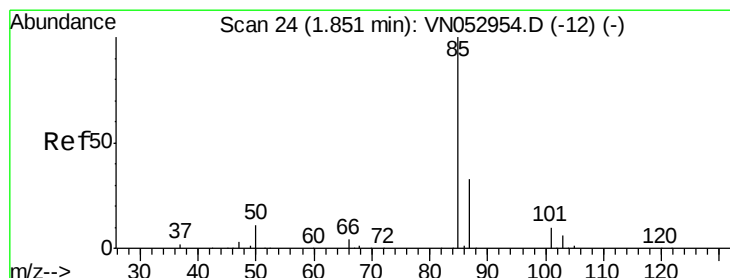
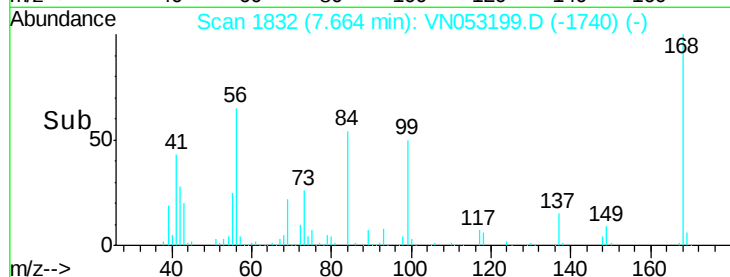
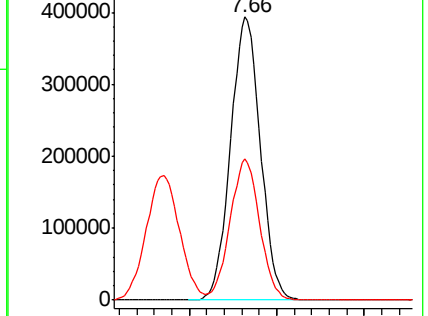
MMDadoda

12/28/2018 10:14:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.248 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053199.D

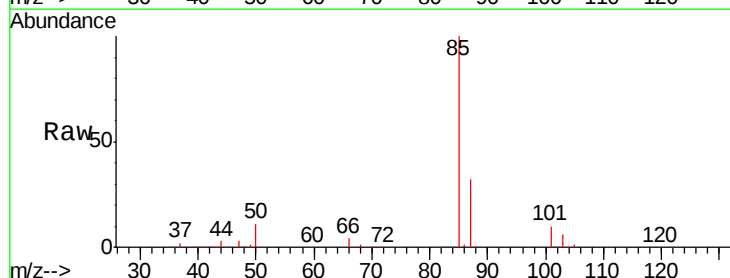
Acq: 27 Dec 2018 8:59

Tgt Ion: 85 Resp: 435135

Ion Ratio Lower Upper

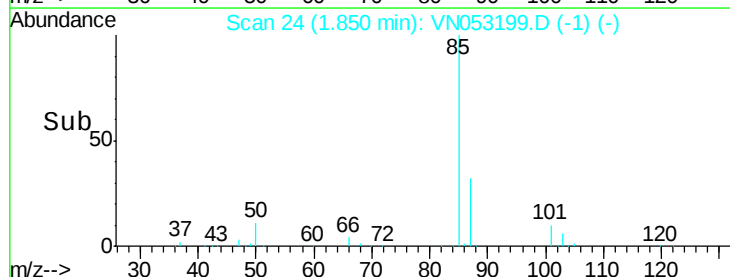
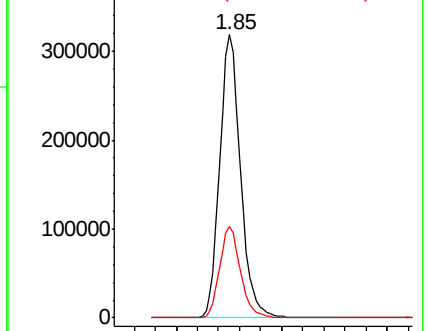
85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.359 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 539967

Ion Ratio Lower Upper

50 100

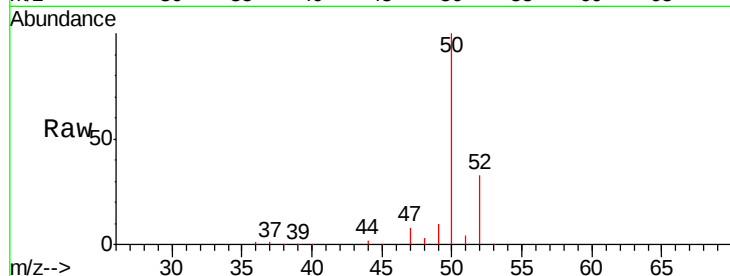
52 32.8 26.2 39.4

Manual Integrations

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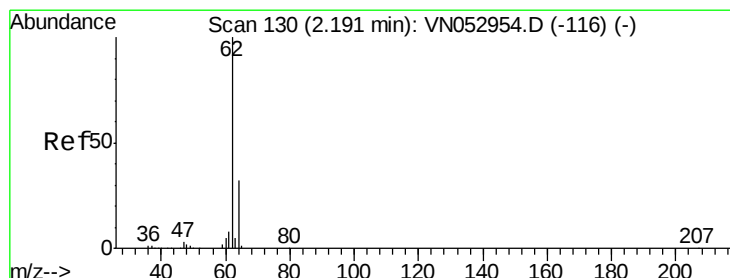
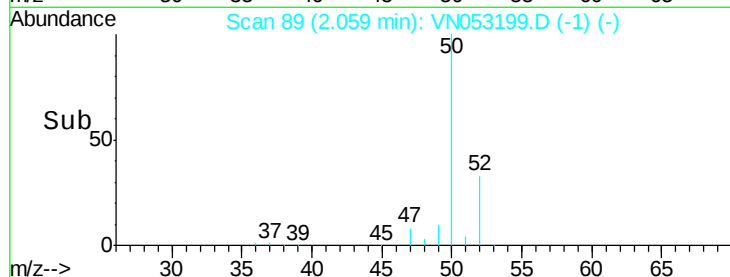
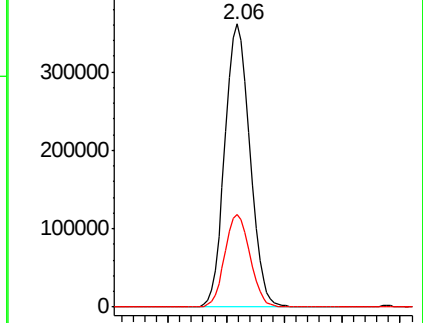
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.208 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053199.D

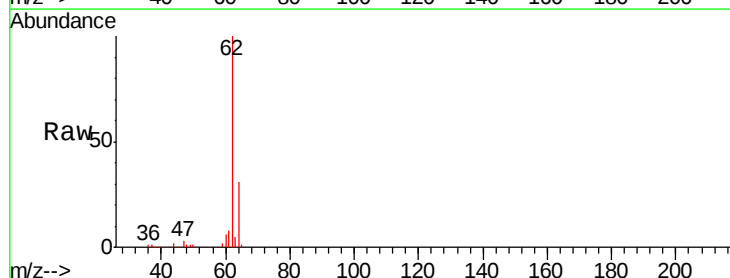
Acq: 27 Dec 2018 8:59

Tgt Ion: 62 Resp: 545107

Ion Ratio Lower Upper

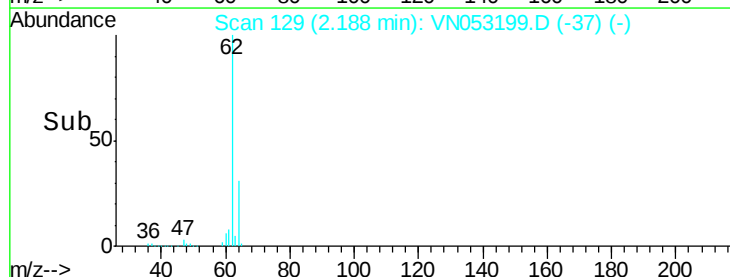
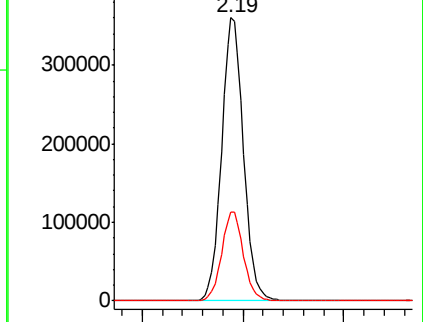
62 100

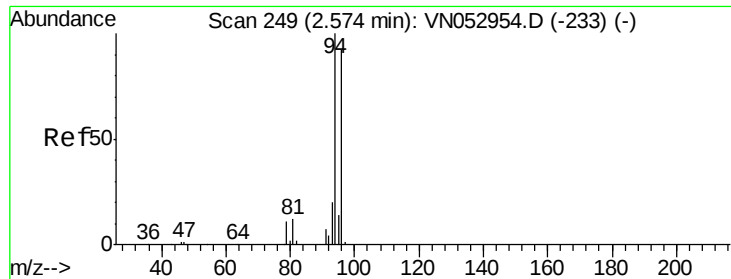
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.518 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Acq: 27 Dec 2018 8:59

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Tgt Ion: 94 Resp: 380151

Ion Ratio Lower Upper

94 100

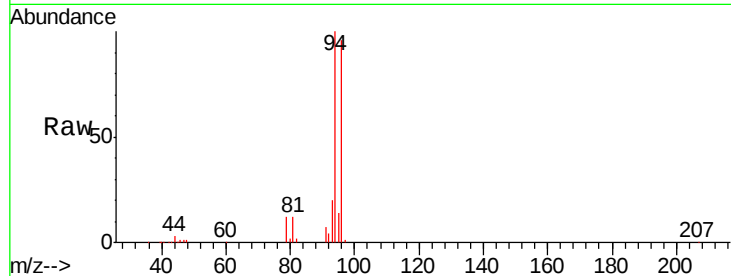
96 95.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

200000

150000

100000

50000

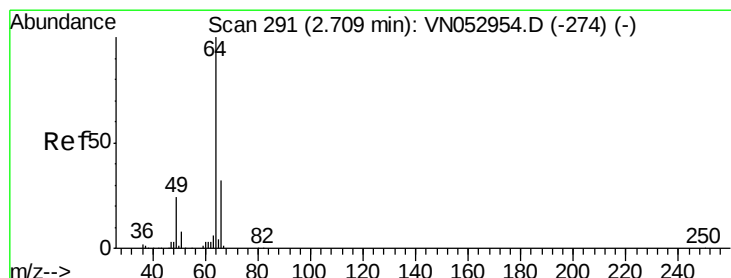
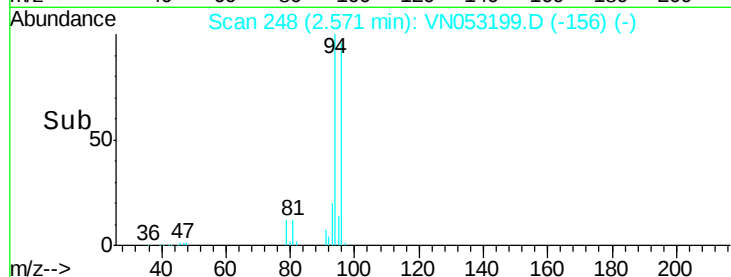
0

2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 48.026 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053199.D

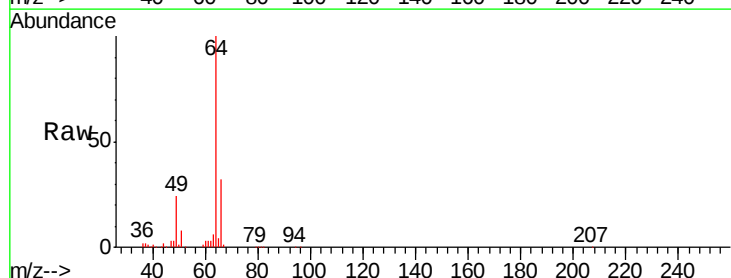
Acq: 27 Dec 2018 8:59

Tgt Ion: 64 Resp: 328441

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

150000

100000

50000

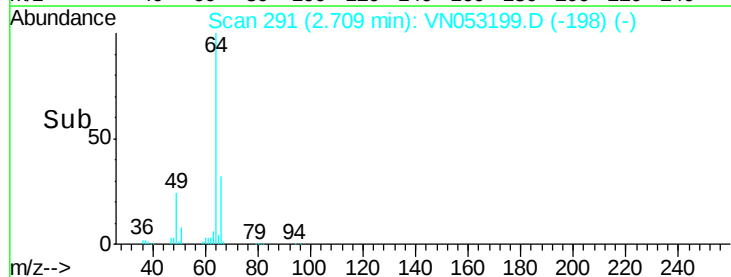
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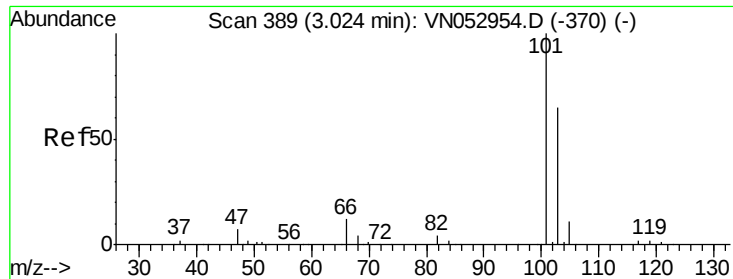
2.60

2.70

2.80

Time-->





#7

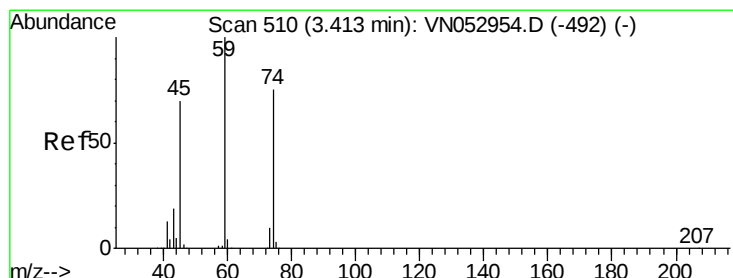
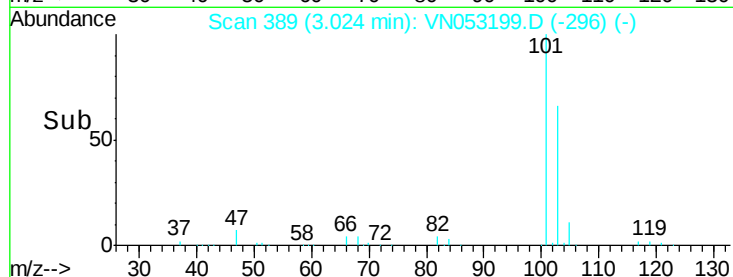
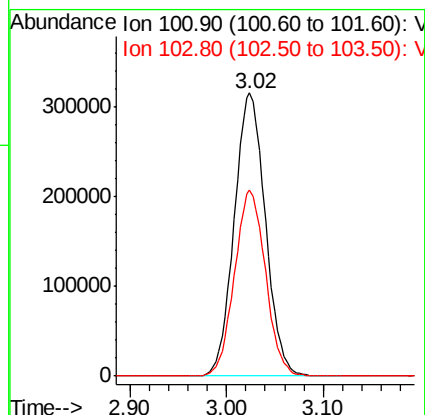
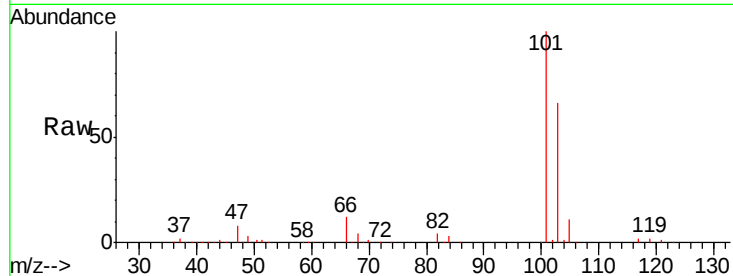
Trichlorofluoromethane
Concen: 48.948 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 704099
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.6

Manual Integrations
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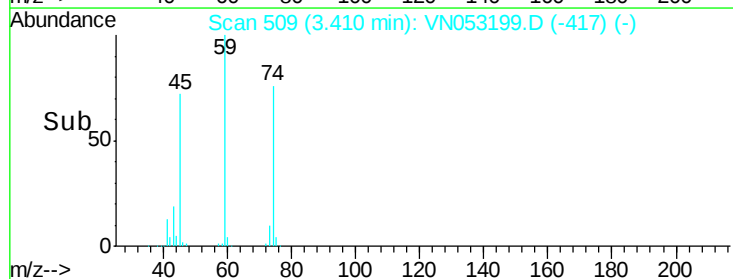
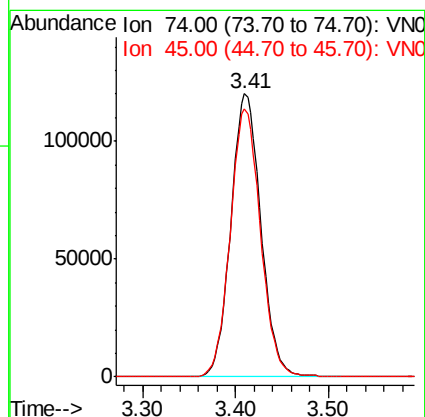
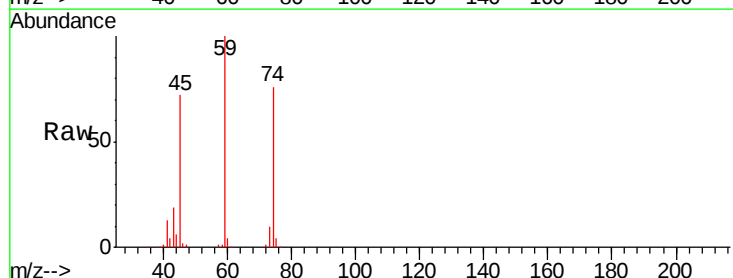
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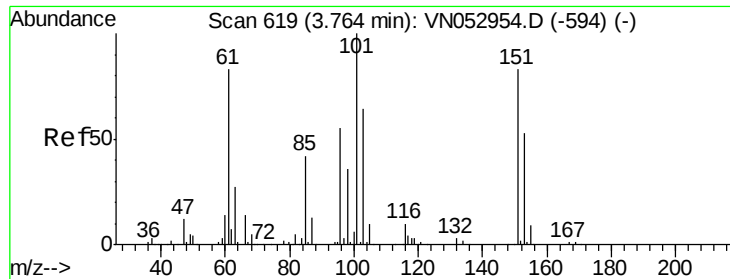


#8

Diethyl Ether
Concen: 49.708 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion: 74 Resp: 269748
Ion Ratio Lower Upper
74 100
45 95.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.675 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

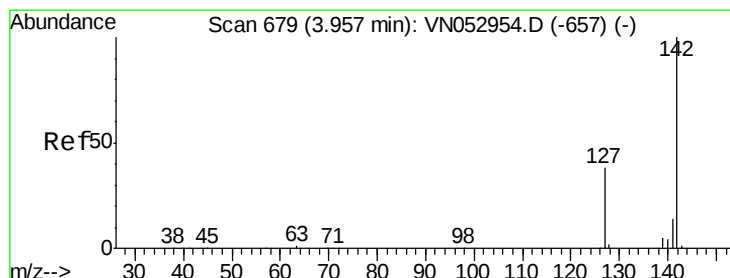
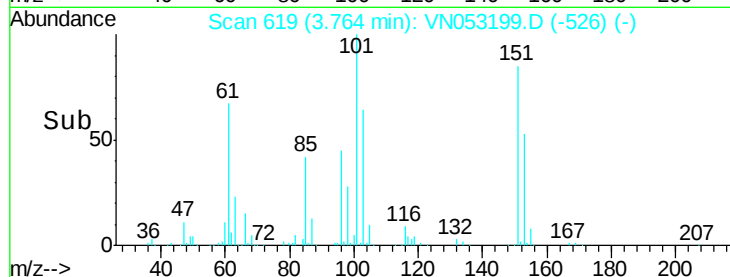
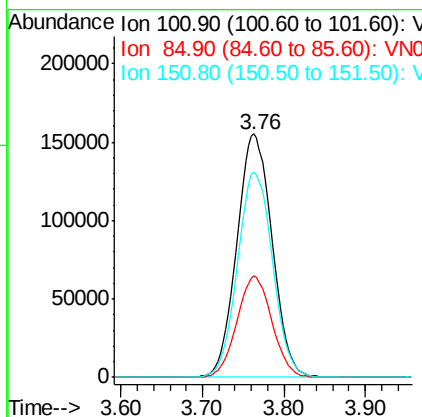
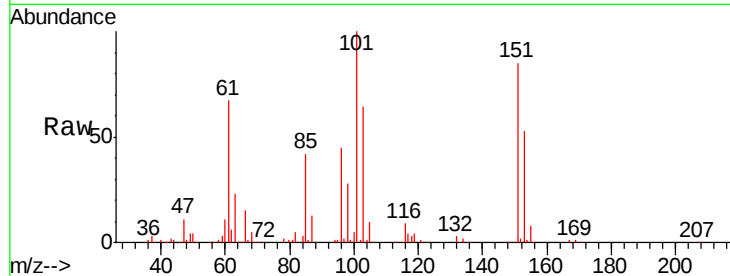
ClientSampleId :

VSTDCCC050

Tgt	Ion	101	Resp:	464765
Ion	Ratio	Lower	Upper	
101	100			
85	41.2	33.6	50.4	
151	84.1	65.5	98.3	

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#10

Methyl Iodide

Concen: 48.635 ug/l

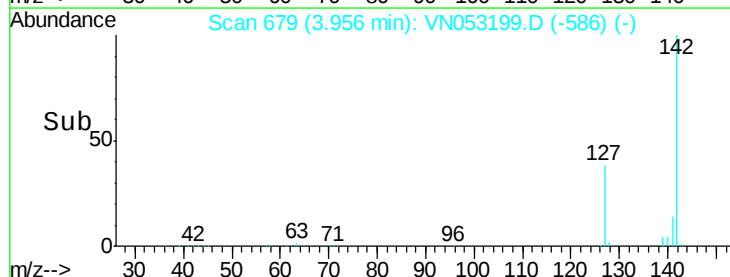
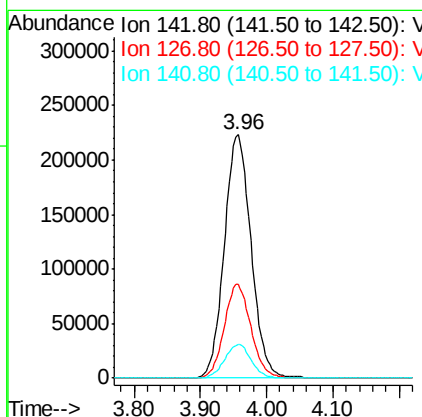
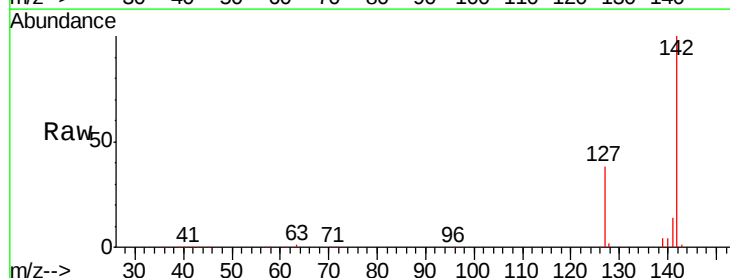
RT: 3.96 min Scan# 679

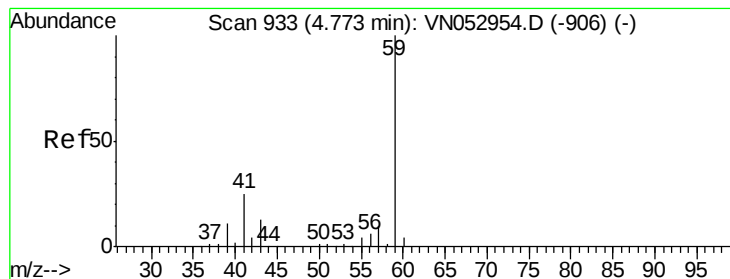
Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt	Ion	142	Resp:	626411
Ion	Ratio	Lower	Upper	
142	100			
127	38.3	31.0	46.6	
141	13.7	11.2	16.8	





#11

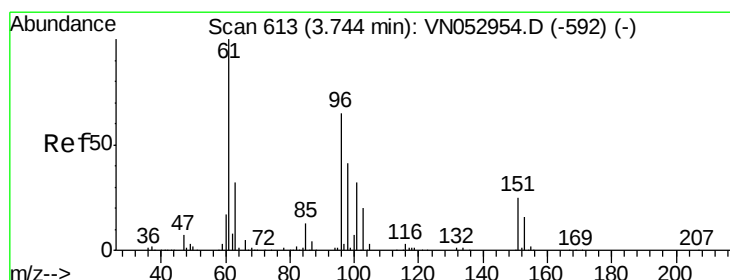
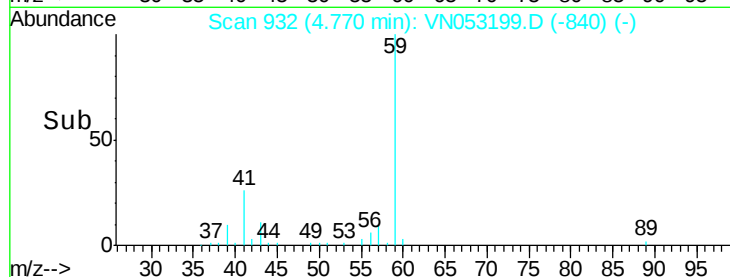
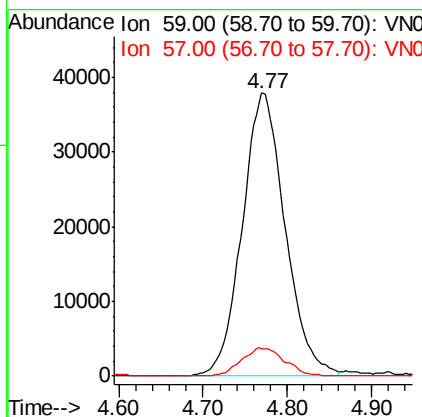
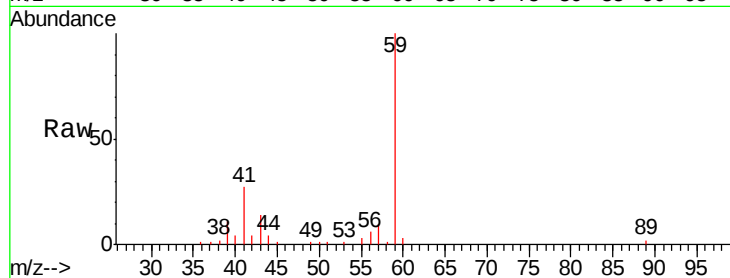
Tert butyl alcohol
 Concen: 232.801 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

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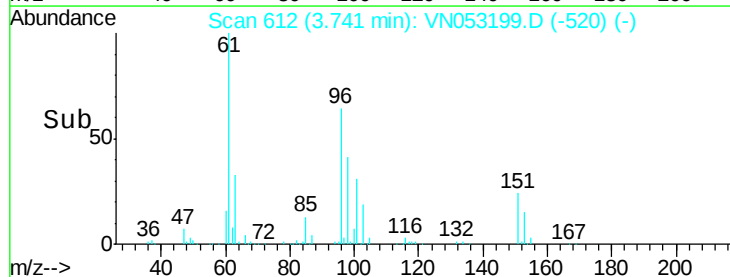
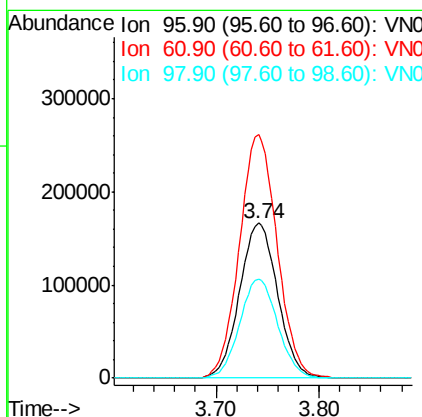
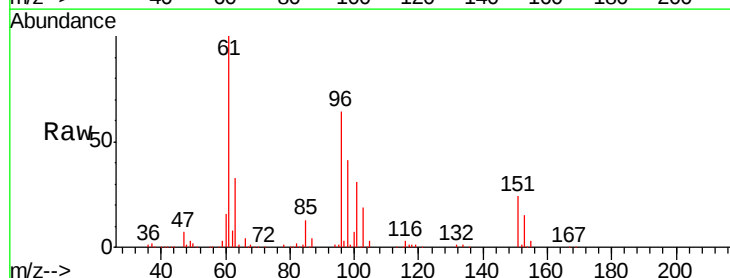
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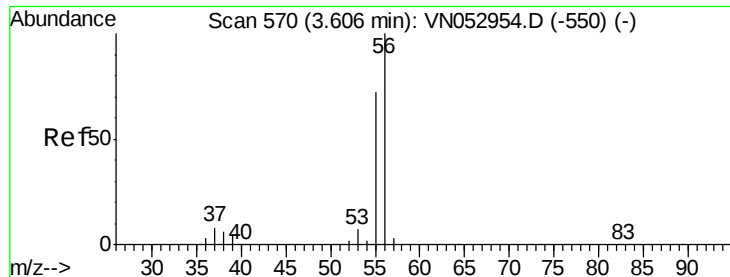


#12

1,1-Dichloroethene
 Concen: 48.171 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	125.6	188.4
98	64.3	50.6	75.8





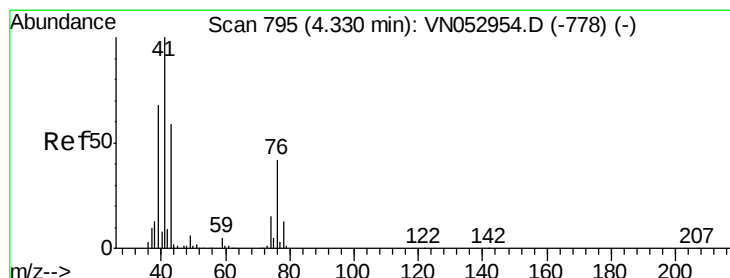
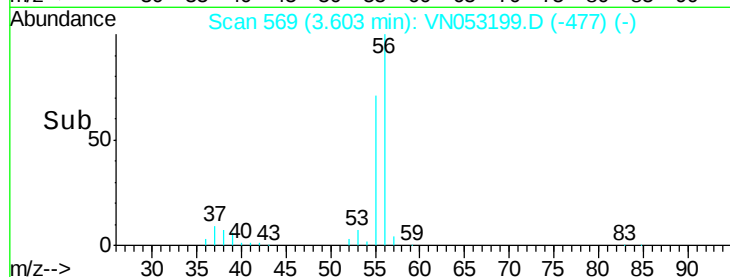
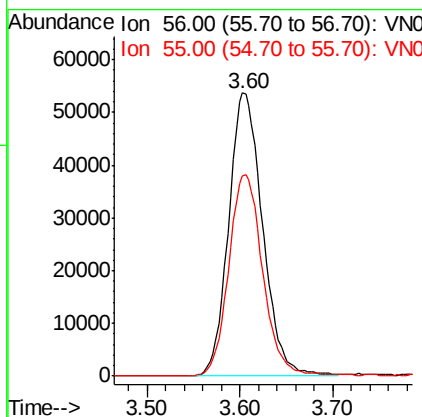
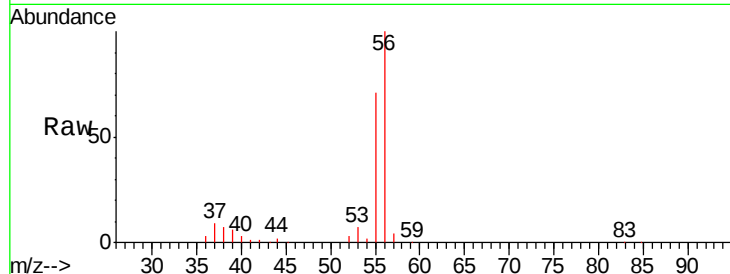
#13
Acrolein
Concen: 261.531 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

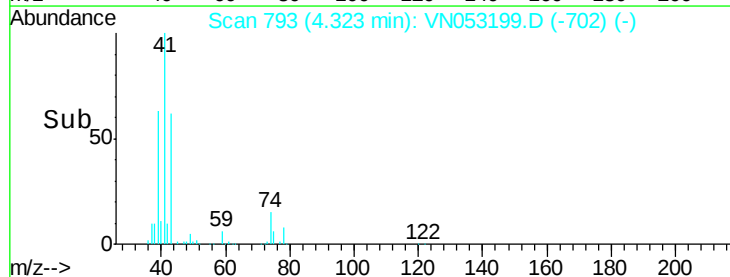
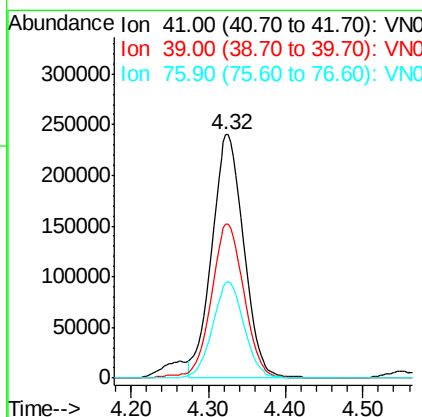
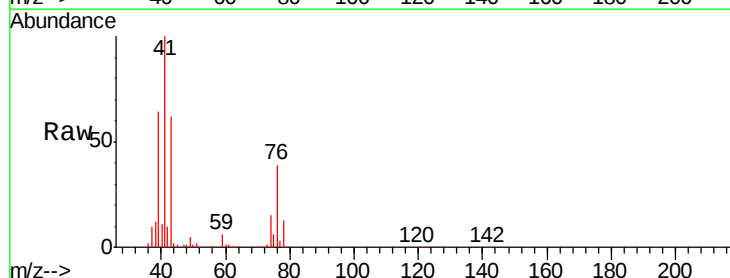
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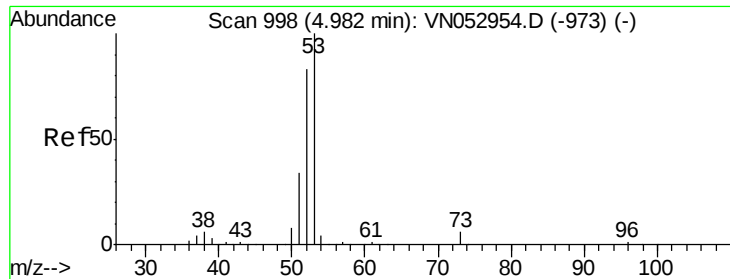
MMDadoda
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#14
Allyl chloride
Concen: 50.212 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.1	81.1
76	38.8	30.3	45.5





#15

Acrylonitrile

Concen: 246.382 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

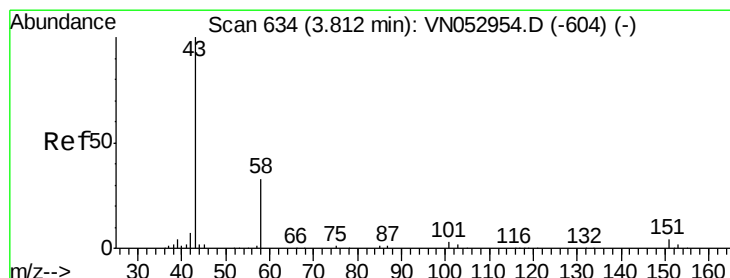
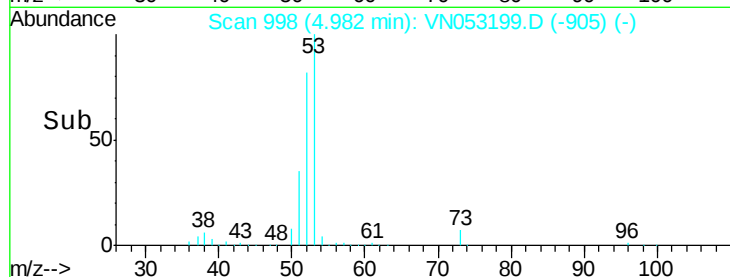
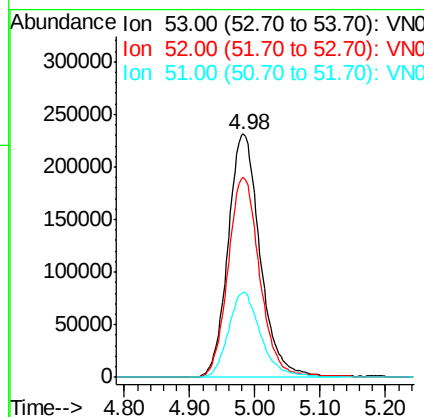
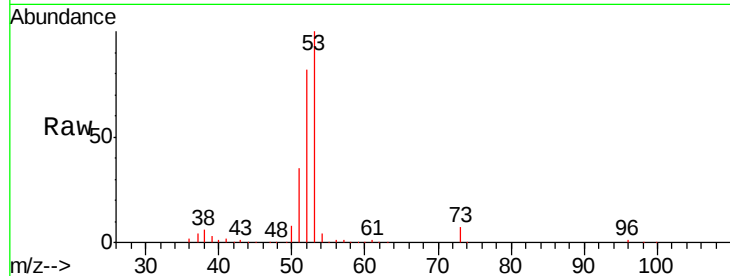
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	787919
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.1	97.7
51	35.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 236.511 ug/l

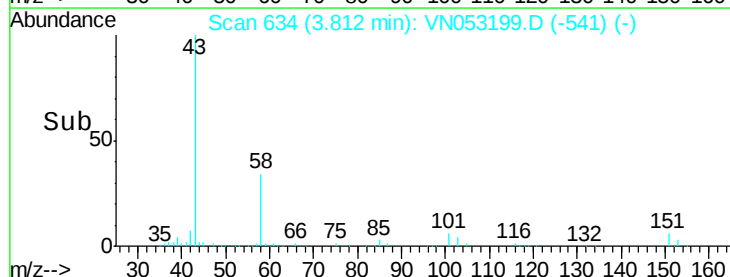
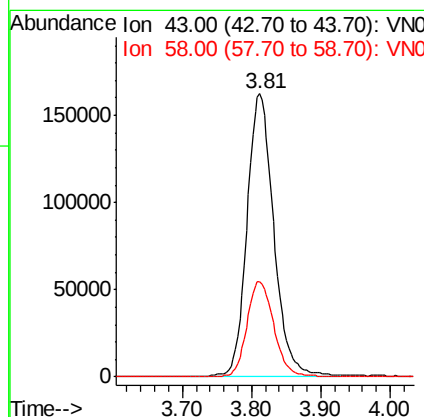
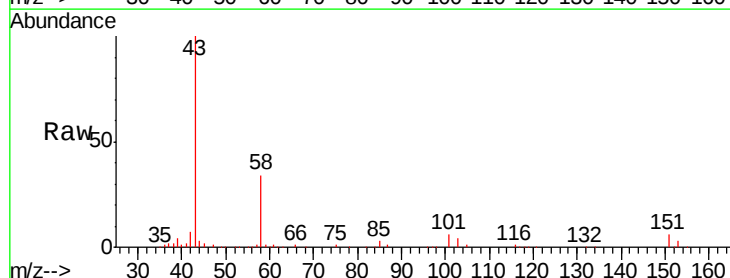
RT: 3.81 min Scan# 634

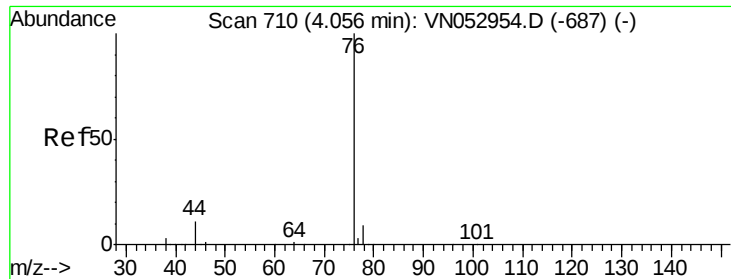
Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion:	43	Resp:	437486
Ion Ratio	Lower	Upper	
43	100		
58	33.4	25.4	38.0





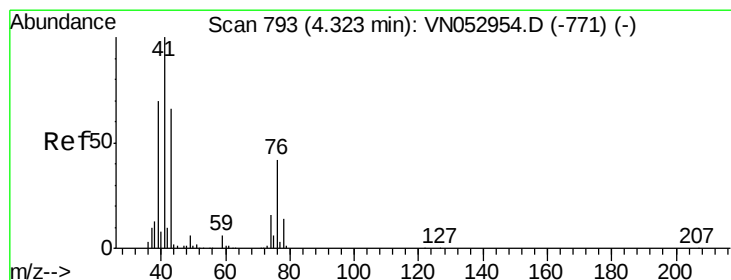
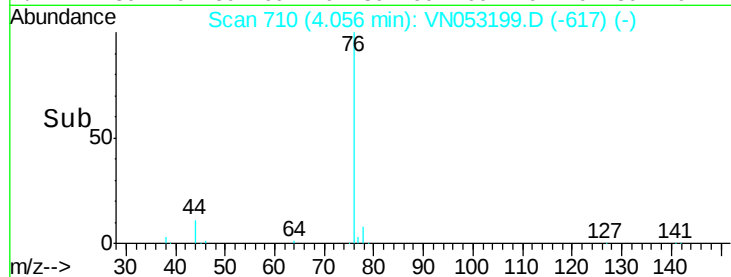
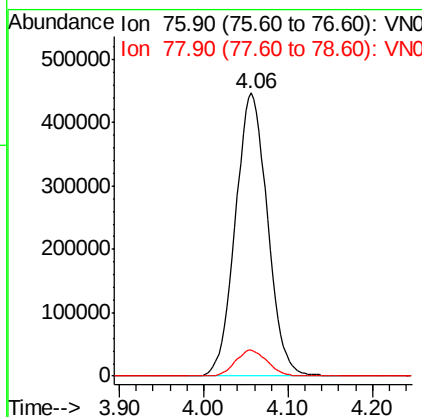
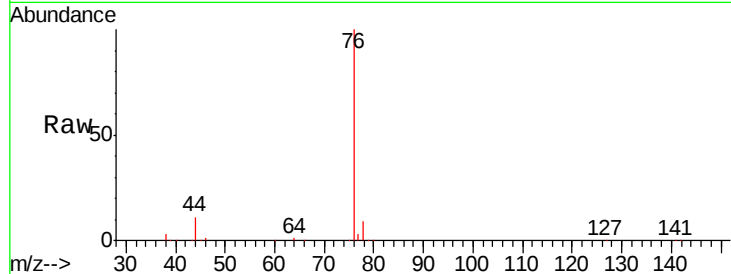
#17
Carbon Disulfide
Concen: 41.048 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1186183
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

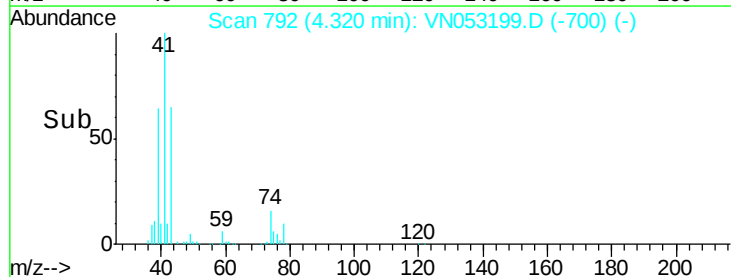
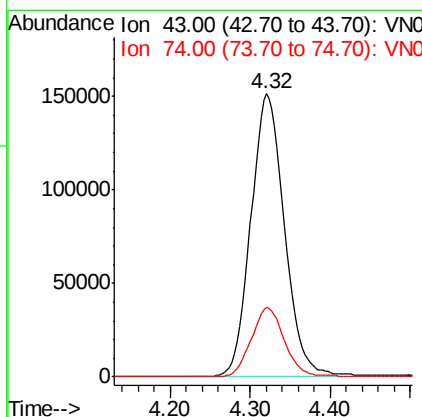
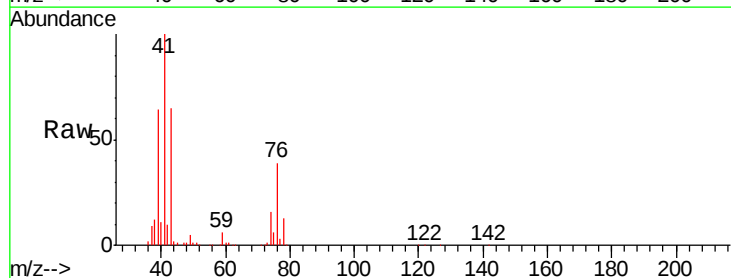
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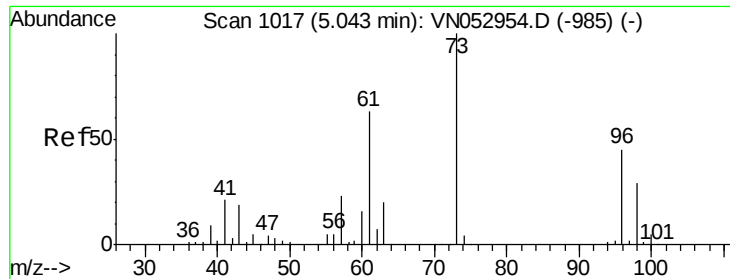
MMDadoda
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#18
Methyl Acetate
Concen: 51.818 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion: 43 Resp: 435346
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8





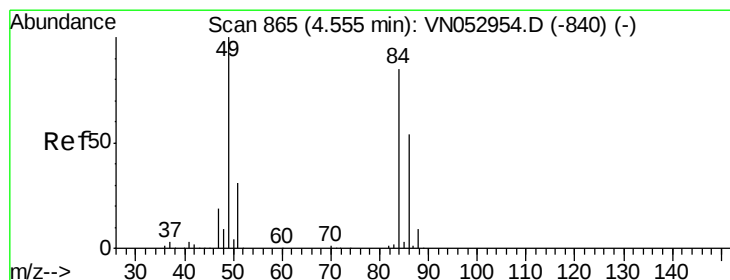
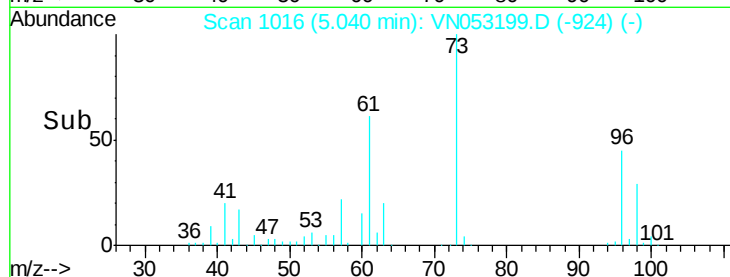
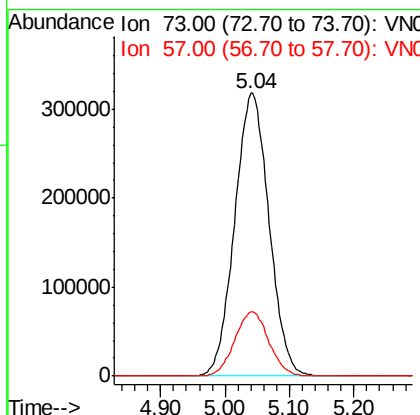
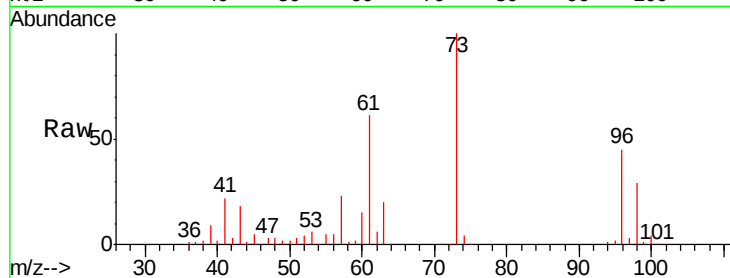
#19
Methyl tert-butyl Ether
Concen: 49.625 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1176711
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

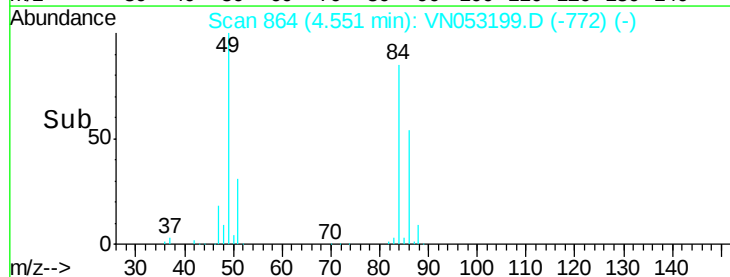
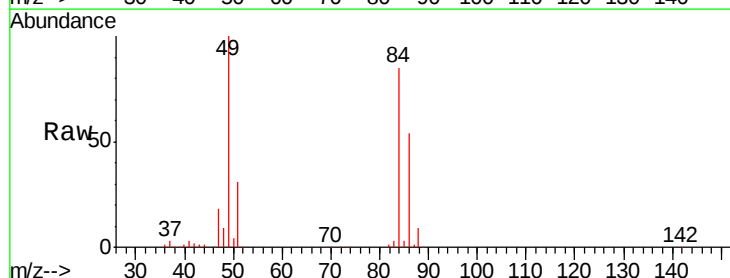
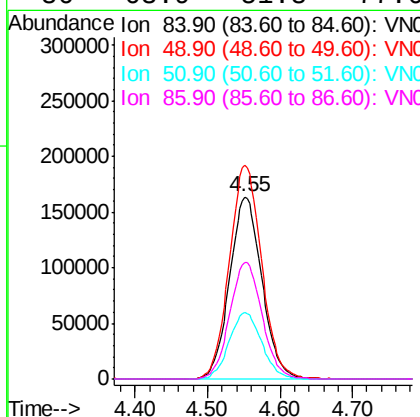
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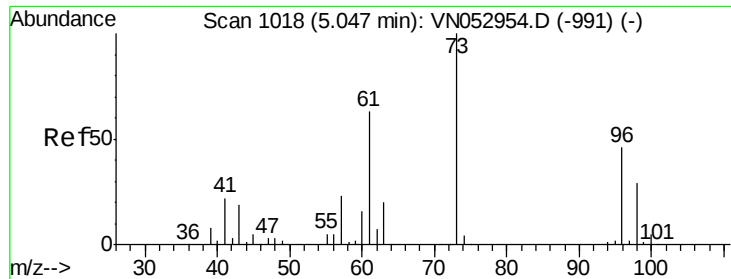
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#20
Methylene Chloride
Concen: 50.294 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion: 84 Resp: 507473
Ion Ratio Lower Upper
84 100
49 117.4 96.8 145.2
51 36.5 29.9 44.9
86 63.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.266 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 459498

Ion Ratio Lower Upper

96 100

61 135.9 110.8 166.2

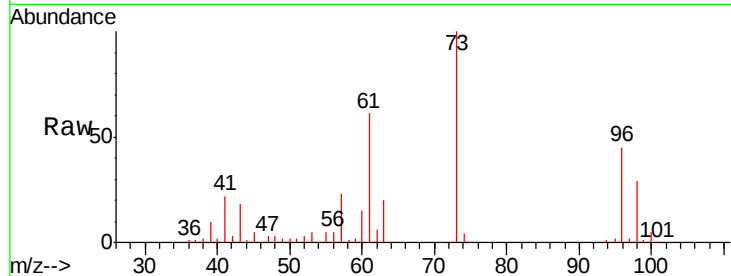
98 64.2 51.4 77.2

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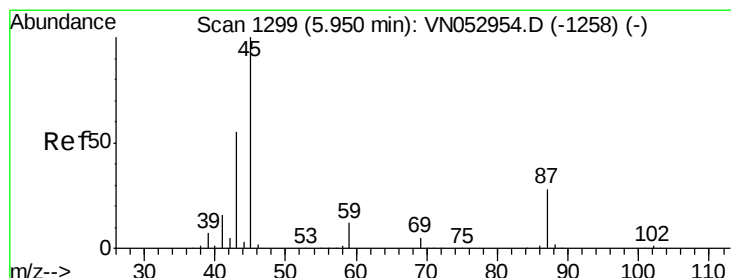
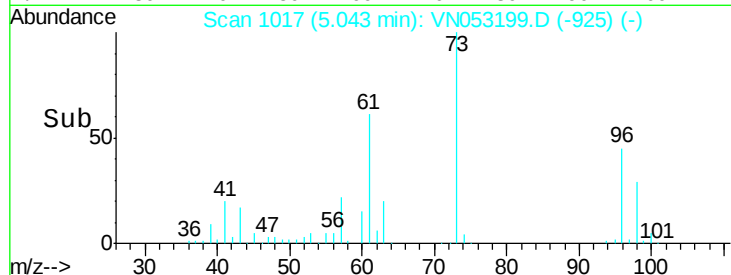
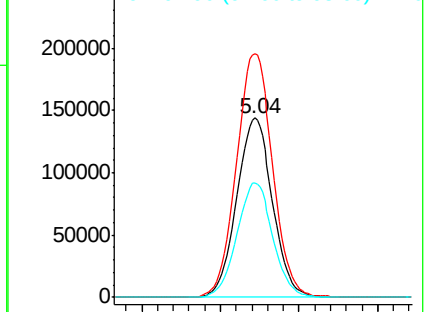


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.979 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion: 45 Resp: 1552092

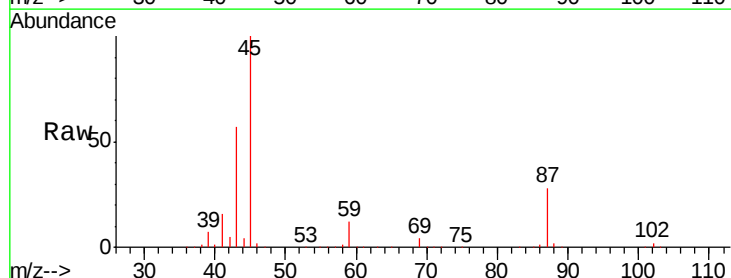
Ion Ratio Lower Upper

45 100

43 56.6 45.5 68.3

87 28.3 22.0 33.0

59 12.1 9.4 14.0



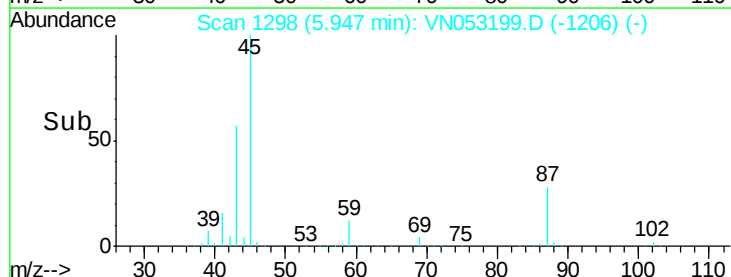
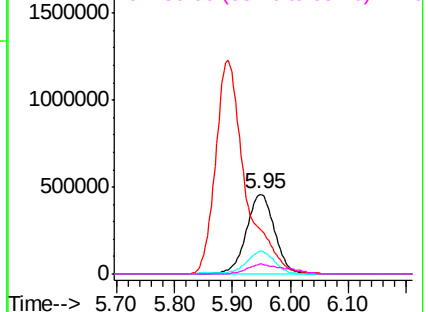
Abundance

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





#23

Vinyl Acetate

Concen: 258.258 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 4350680

Ion Ratio Lower Upper

43 100

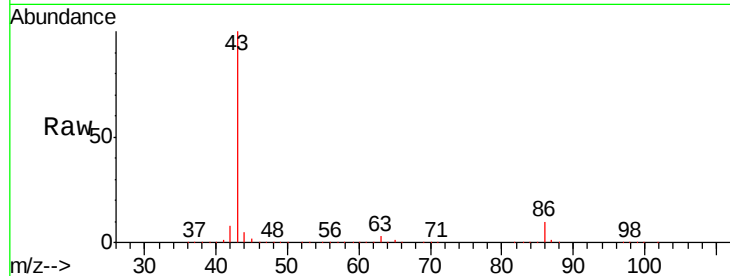
86 10.5 8.1 12.1

Manual Integrations

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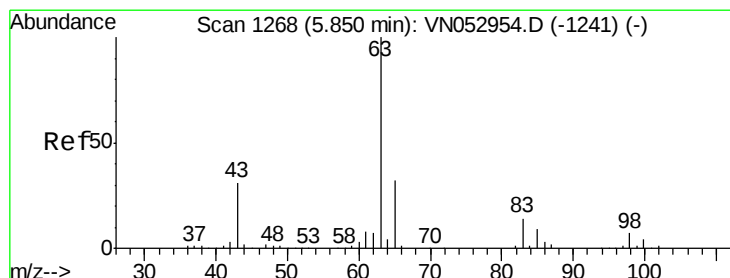
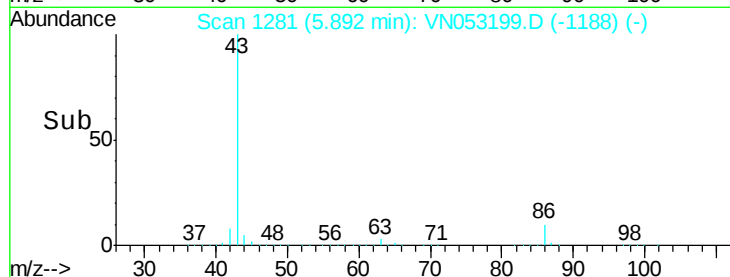
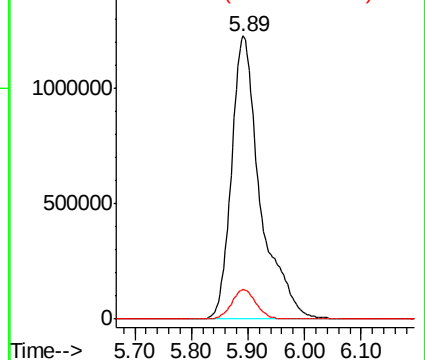
MMDadoda

12/28/2018 10:14:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.000 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

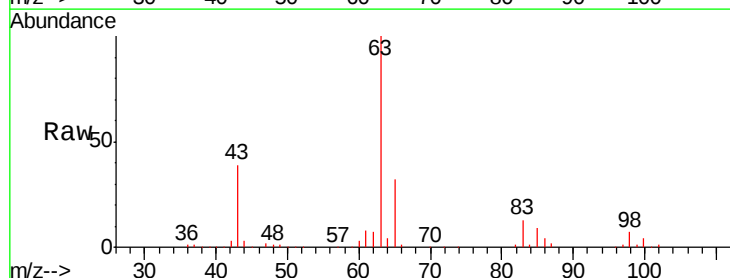
Tgt Ion: 63 Resp: 887836

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

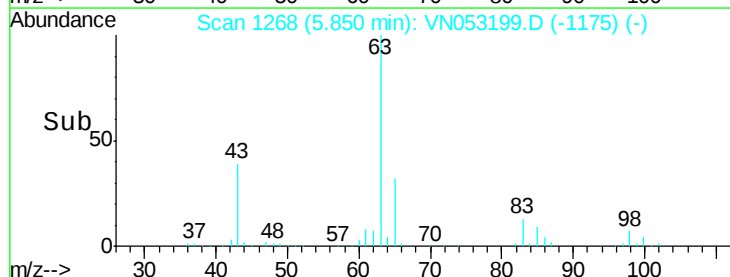
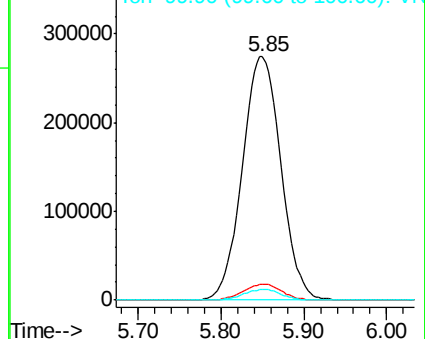
100 4.3 2.0 5.8

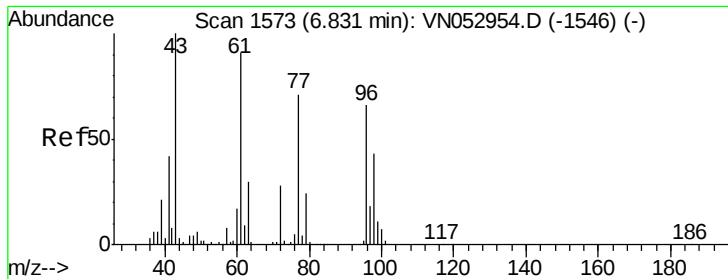


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 256.253 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 795493

Ion Ratio Lower Upper

43 100

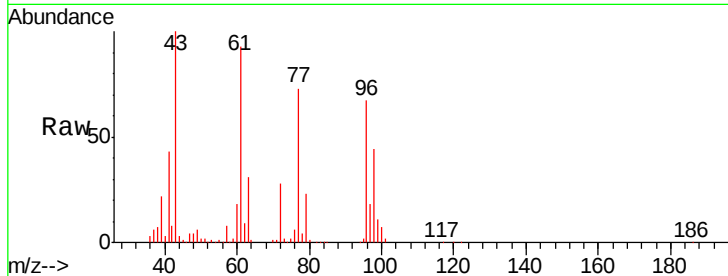
72 28.0 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1546) (-)

Ion 72.00 (71.70 to 72.70): VN052954.D (-1546) (-)

6.83

250000

200000

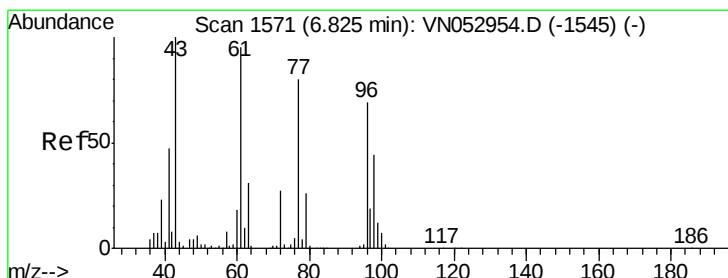
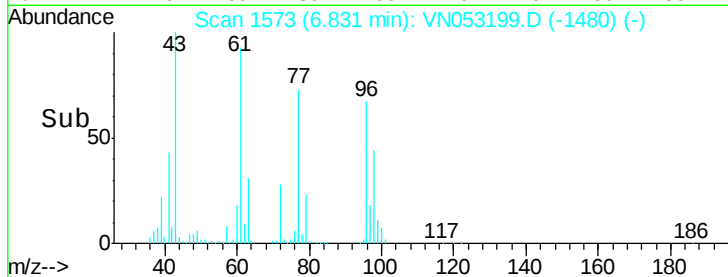
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.973 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053199.D

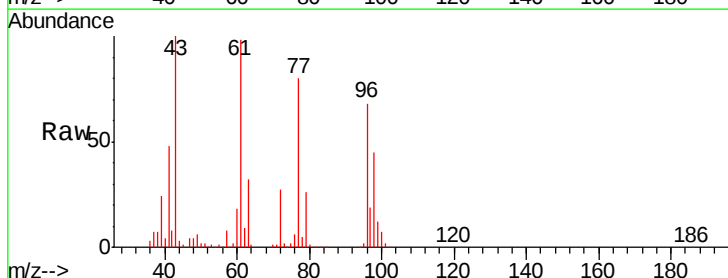
Acq: 27 Dec 2018 8:59

Tgt Ion: 77 Resp: 677389

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN052954.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN052954.D (-1545) (-)

6.82

250000

200000

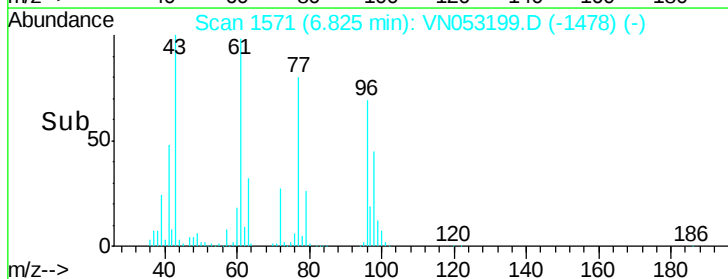
150000

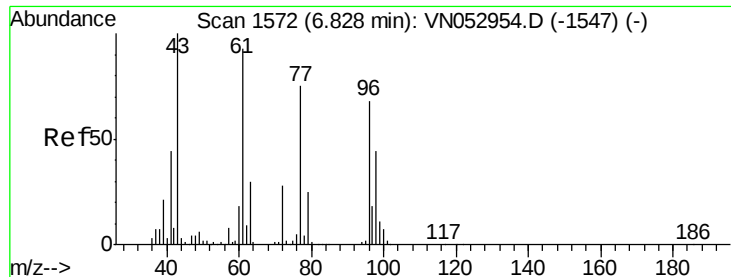
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.350 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

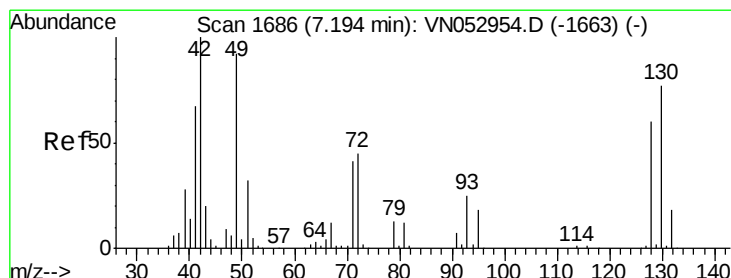
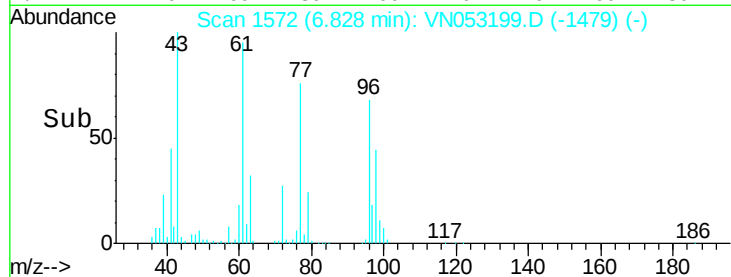
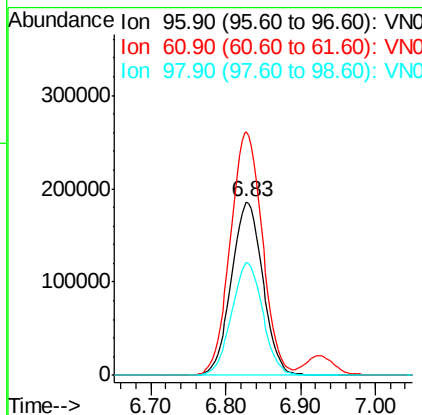
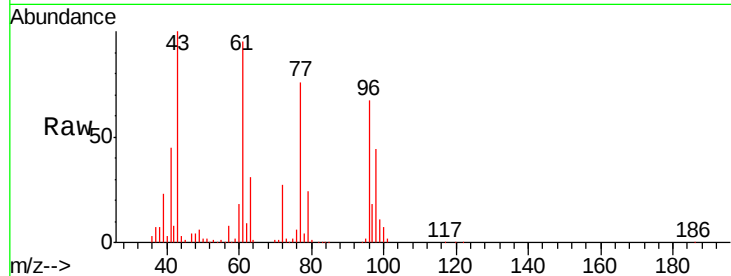
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	542664
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	284.2
98	64.6	0.0	129.2

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#28

Bromochloromethane

Concen: 52.117 ug/l

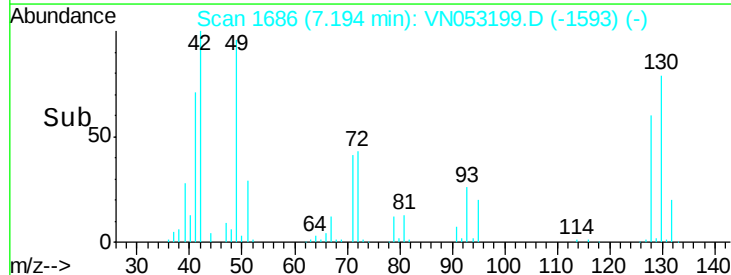
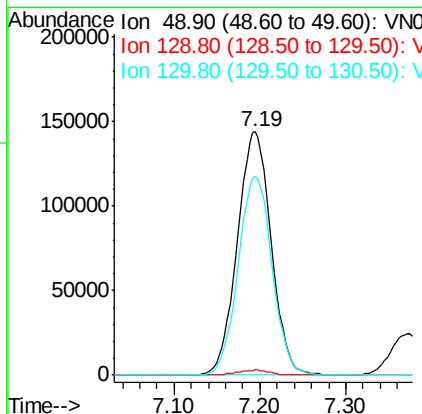
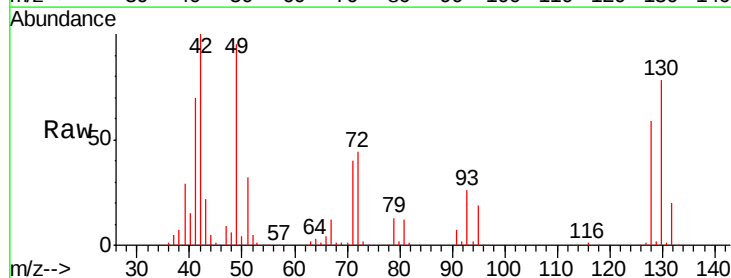
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion:	49	Resp:	393146
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	82.3	63.3	94.9





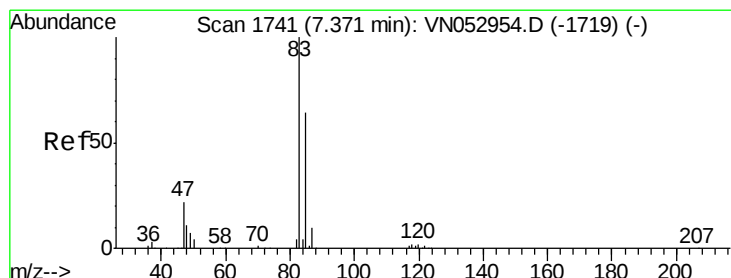
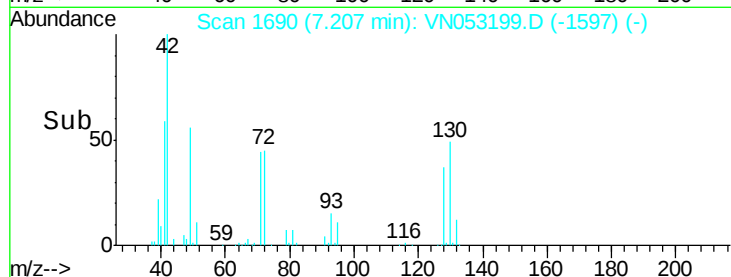
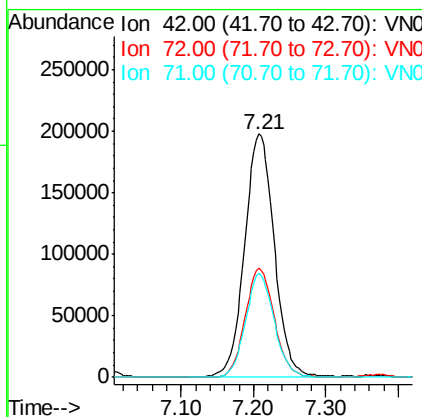
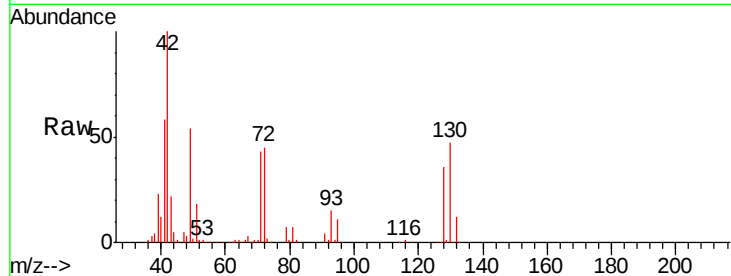
#29
Tetrahydrofuran
Concen: 242.749 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.7	52.1
71	41.3	32.3	48.5

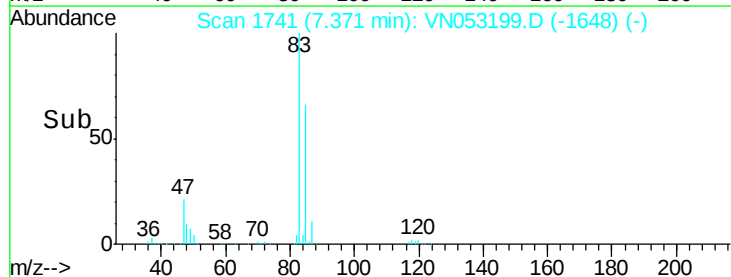
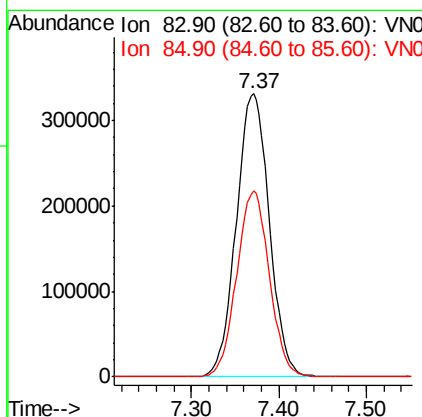
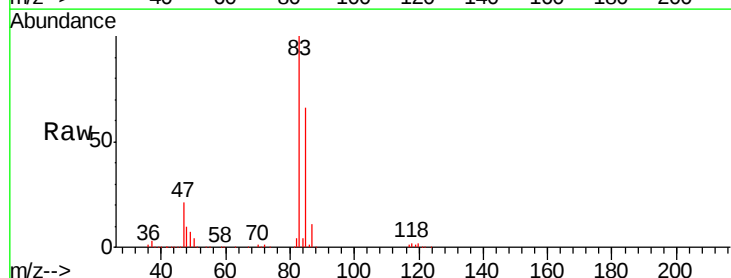
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#30
Chloroform
Concen: 50.740 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.1	78.1





#31

Cyclohexane

Concen: 49.542 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 809037
Ion Ratio Lower Upper

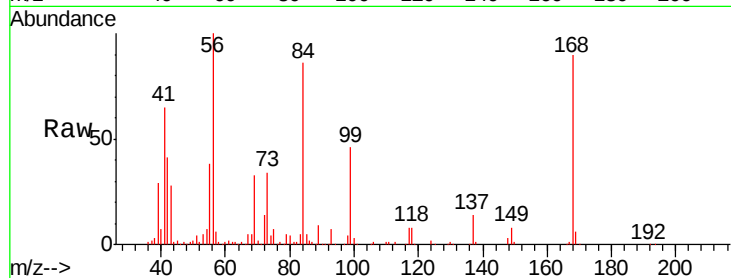
56 100

69 32.9 26.6 39.8

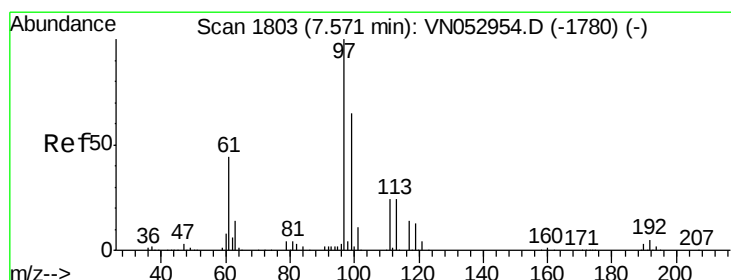
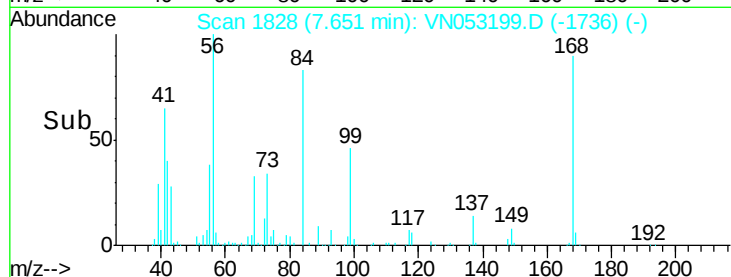
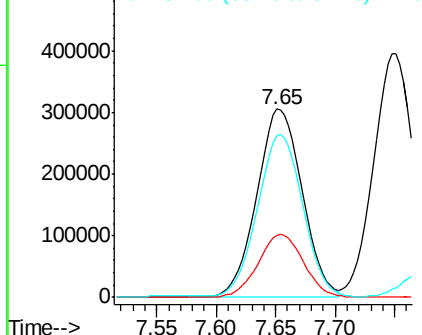
84 84.8 68.4 102.6

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.784 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053199.D

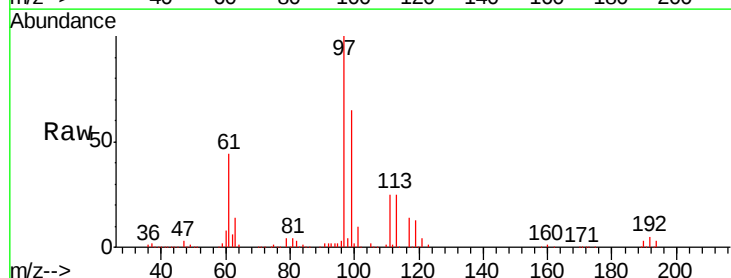
Acq: 27 Dec 2018 8:59

Tgt Ion: 97 Resp: 725262
Ion Ratio Lower Upper

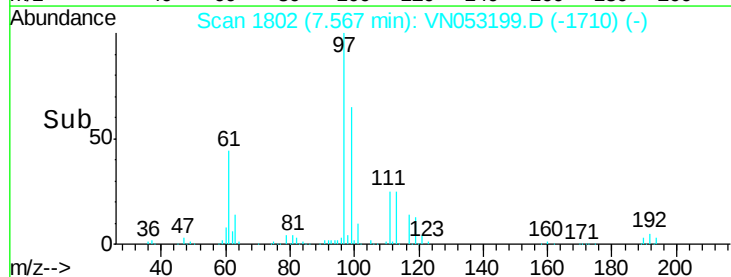
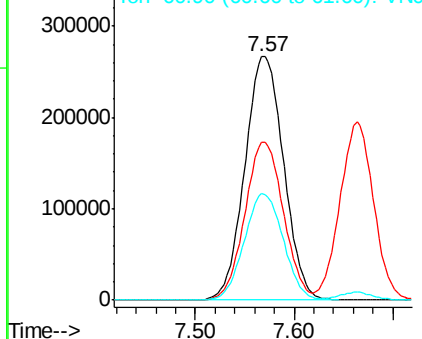
97 100

99 64.2 51.1 76.7

61 44.0 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





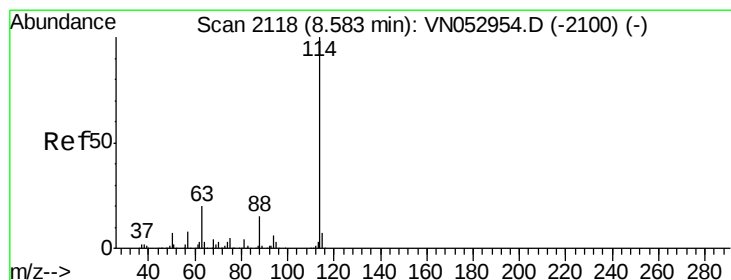
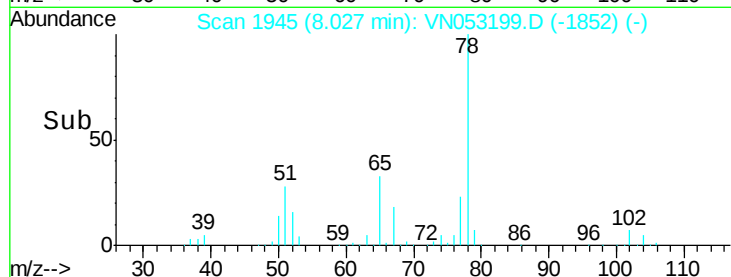
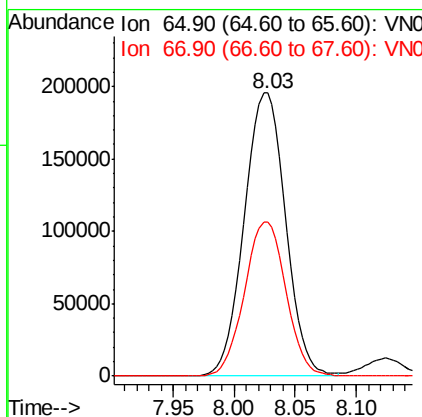
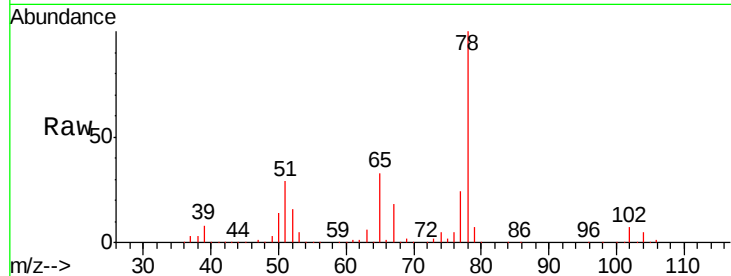
#33
 1,2-Dichloroethane-d4
 Concen: 49.784 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 458787
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4

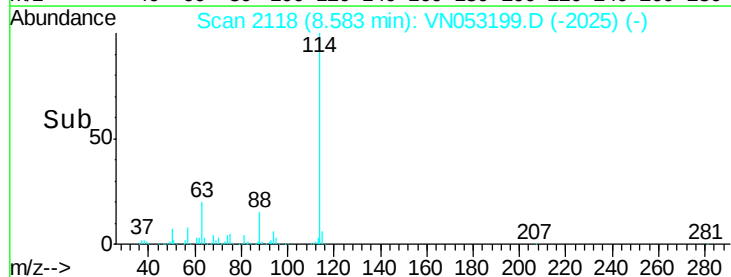
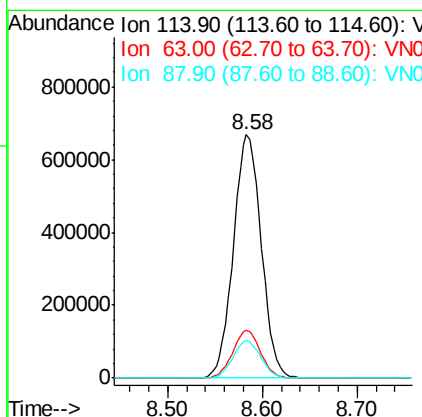
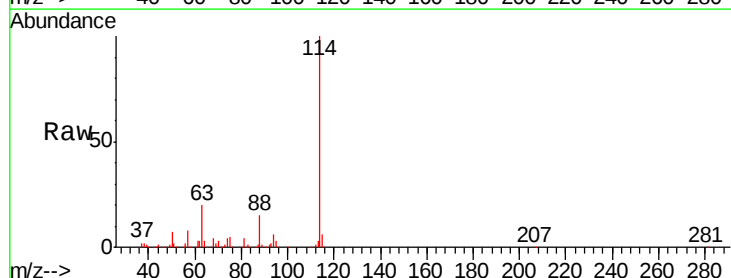
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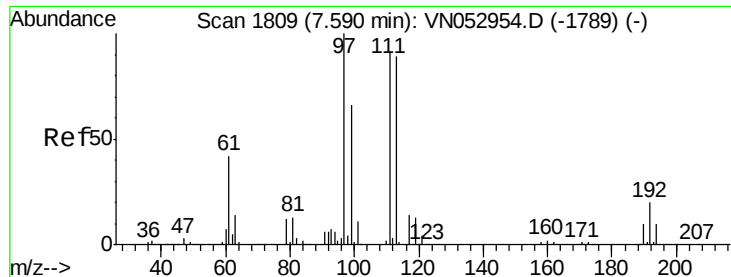
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion: 114 Resp: 1370433
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0





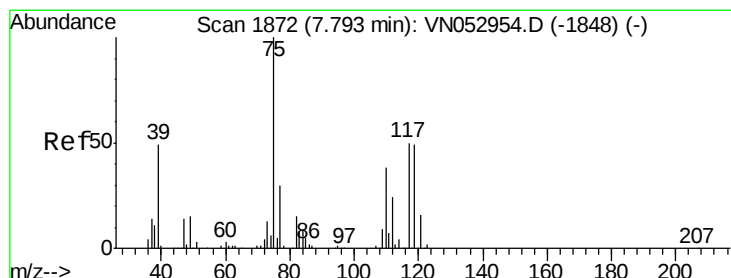
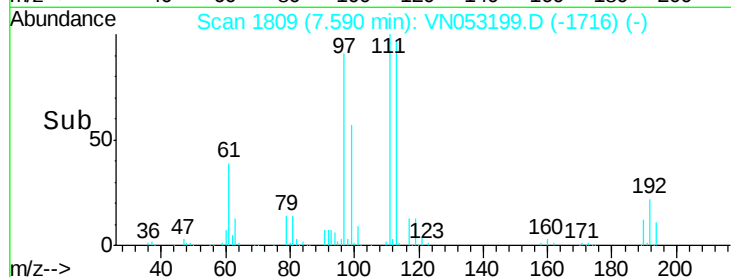
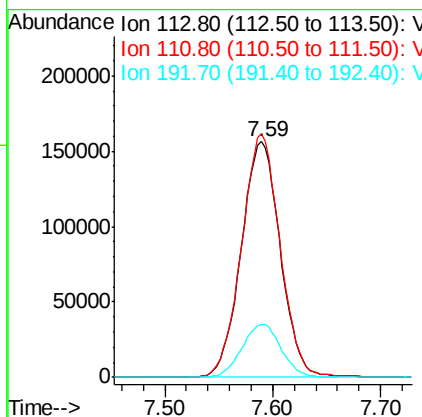
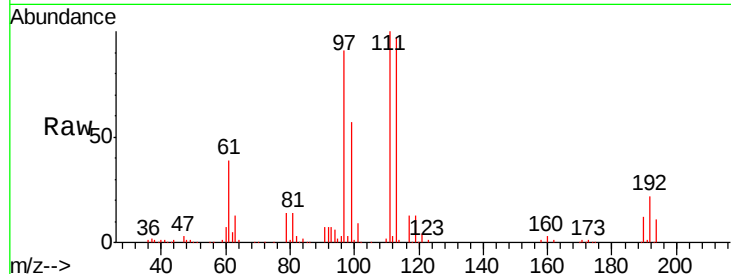
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	392306		
111	102.2	83.0	124.4	
192	22.6	17.5	26.3	

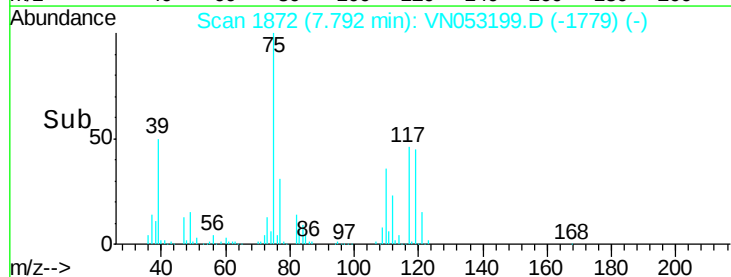
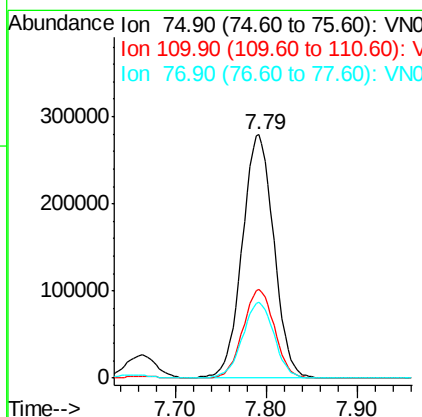
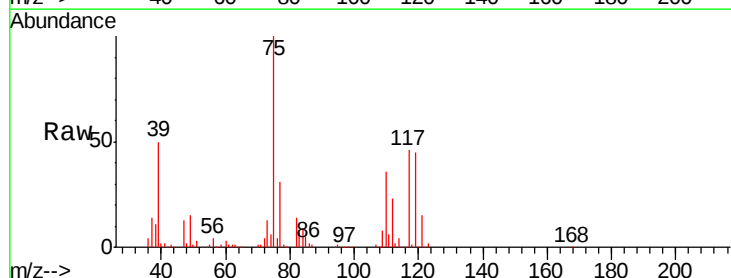
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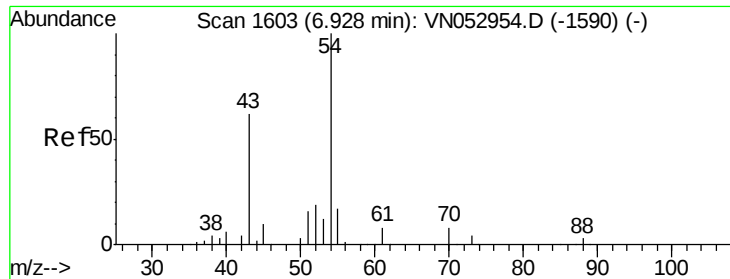
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#36
 1,1-Dichloropropene
 Concen: 51.016 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	671047		
110	36.5	18.2	54.6	
77	31.4	24.9	37.3	





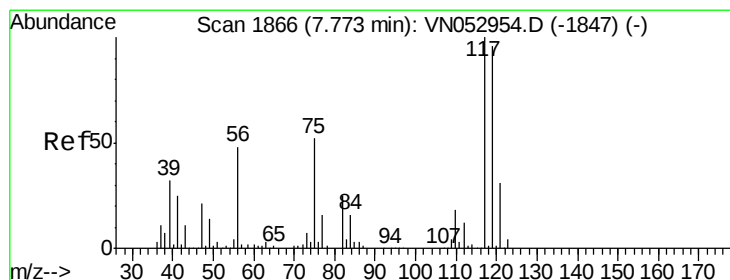
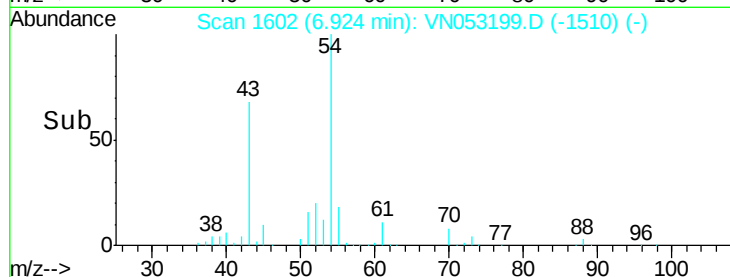
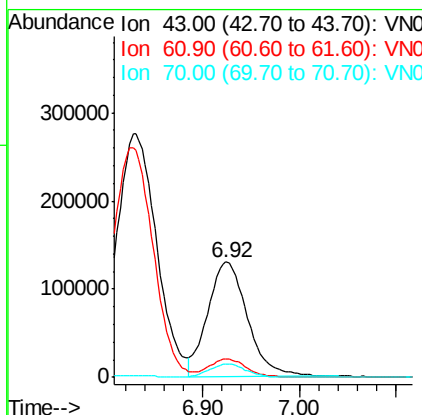
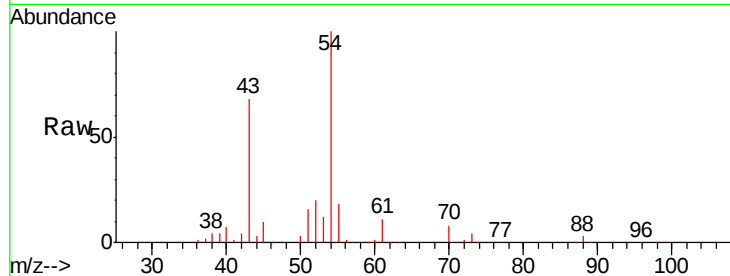
#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.9	8.4	12.6

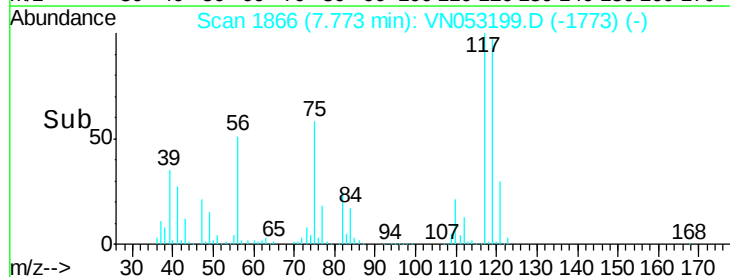
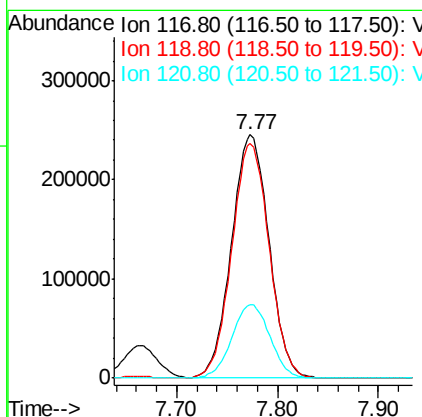
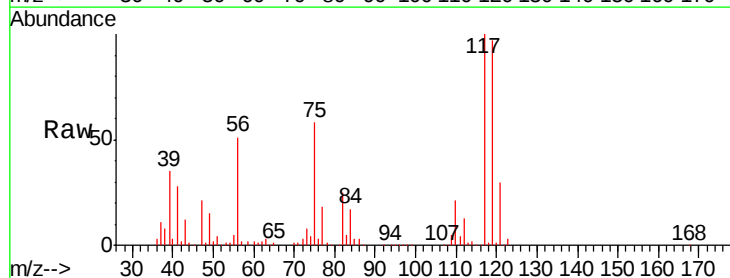
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#38
Carbon Tetrachloride
Concen: 52.294 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.1	115.7
121	30.4	24.9	37.3





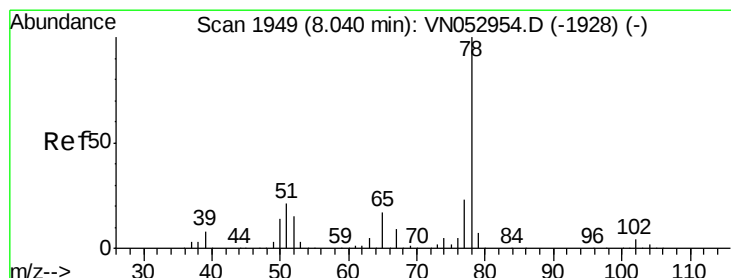
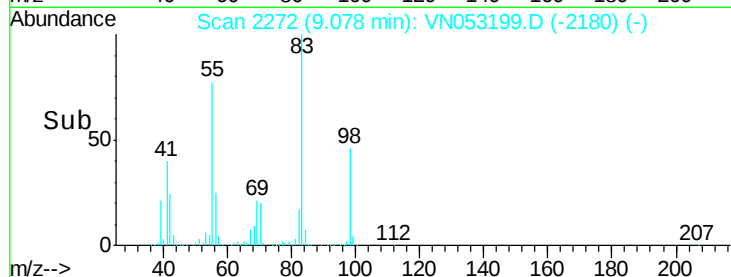
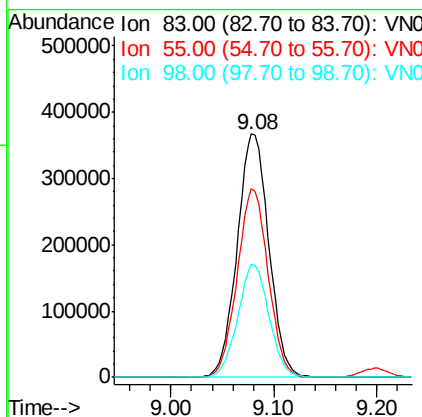
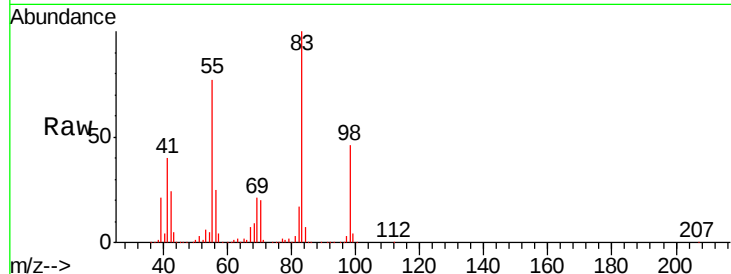
#39
Methylcyclohexane
Concen: 49.044 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.3	91.9
98	46.2	37.0	55.4

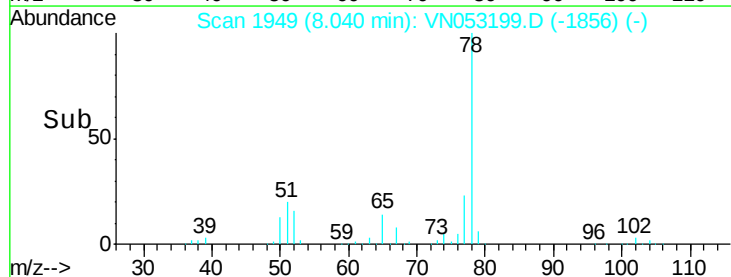
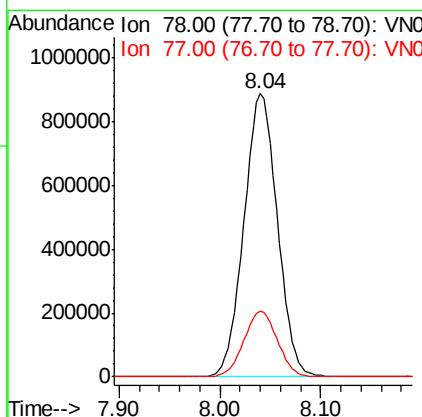
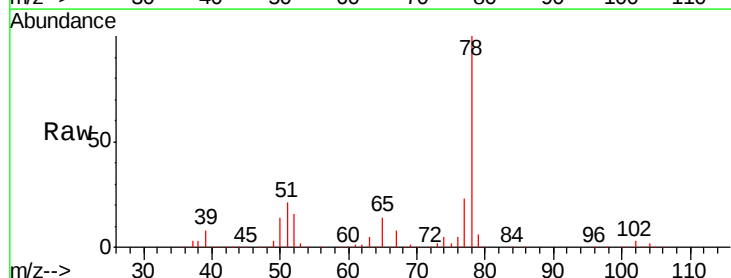
Manual Integrations
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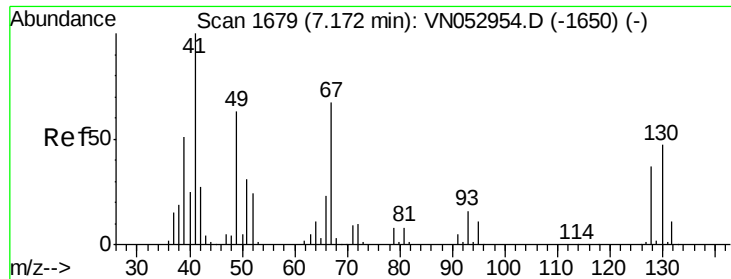
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#40
Benzene
Concen: 52.031 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





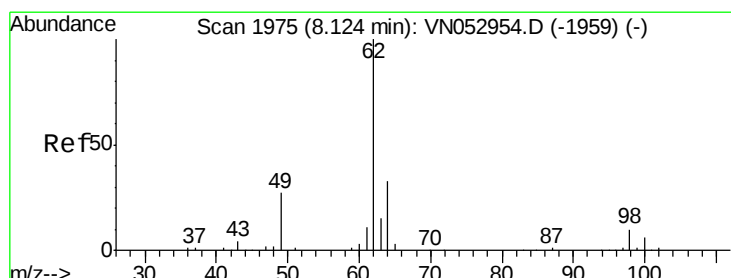
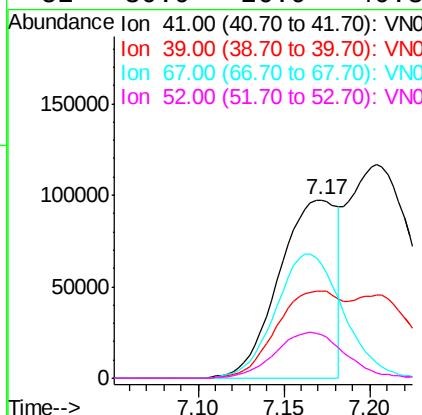
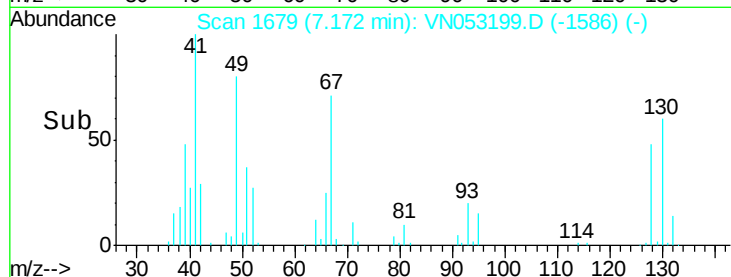
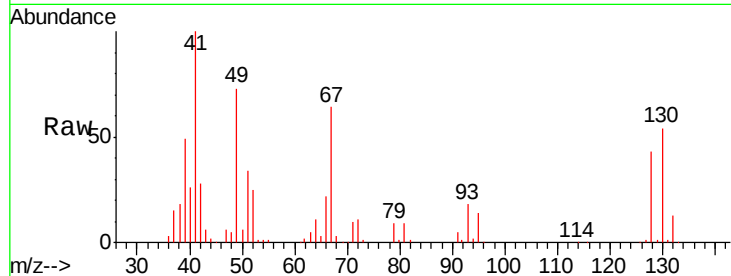
#41
Methacrylonitrile
Concen: 53.586 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	227353
Ion	Ratio	Lower	Upper
41	100		
39	57.3	48.0	72.0
67	82.6	70.3	105.5
52	30.9	26.9	40.3

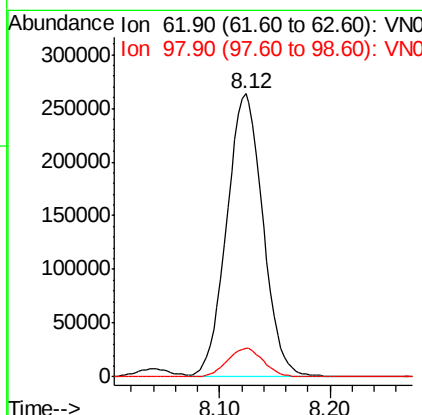
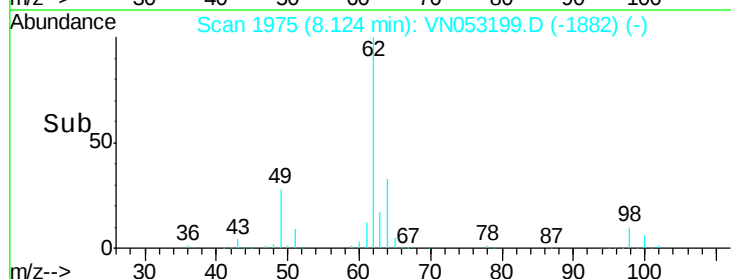
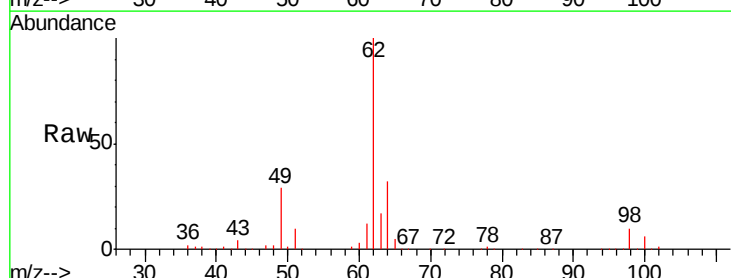
Manual Integrations
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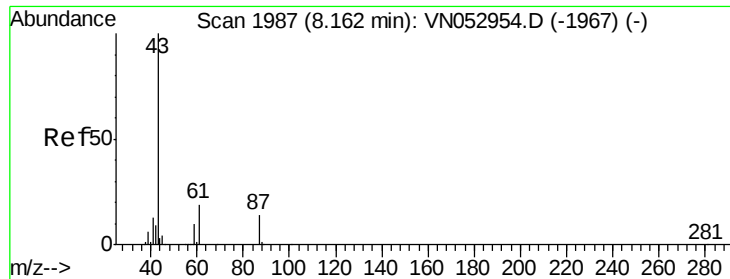
MMDadoda
12/28/2018 10:14:38 AM



#42
1,2-Dichloroethane
Concen: 51.653 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion:	62	Resp:	597023
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





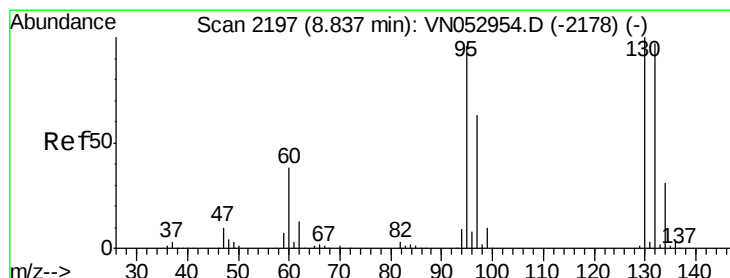
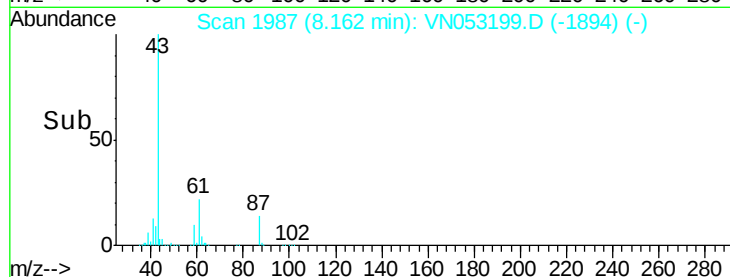
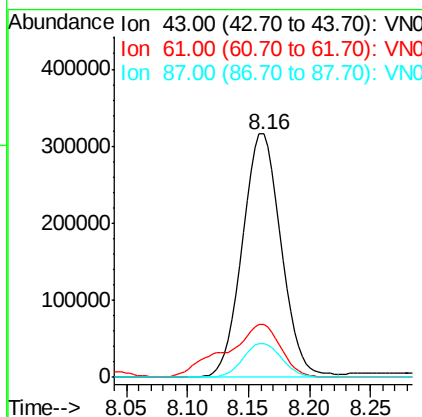
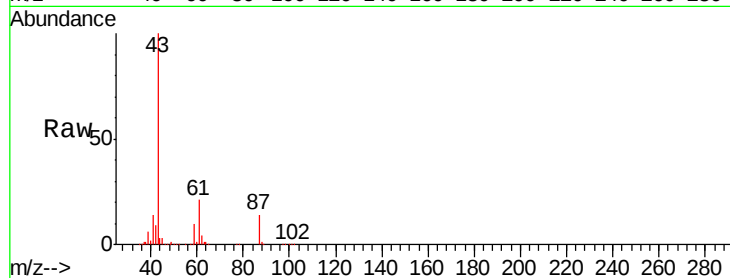
#43
Isopropyl Acetate
Concen: 48.768 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.5	22.9	34.3
87	13.8	10.6	15.8

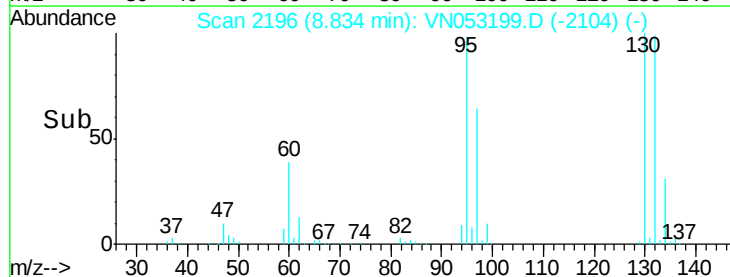
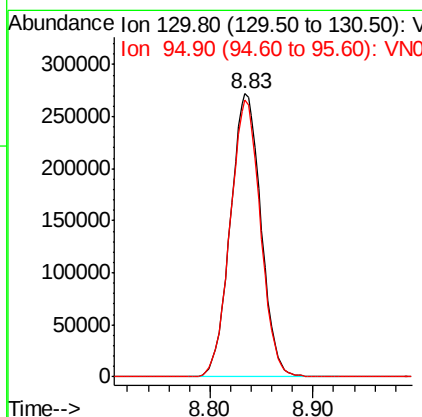
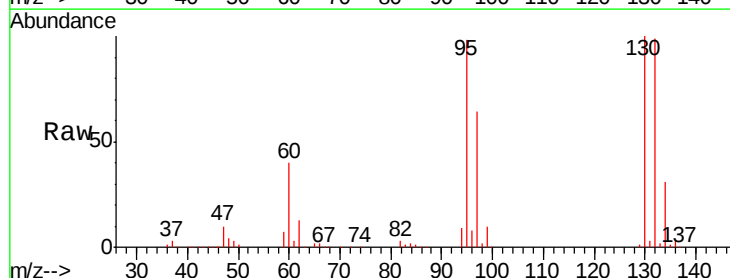
Manual Integrations
APPROVED

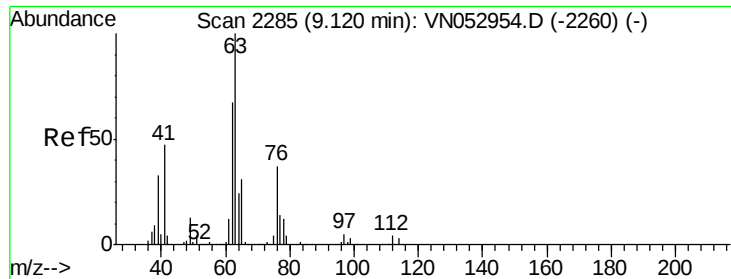
MMDadoda
12/28/2018 10:14:38 AM



#44
Trichloroethene
Concen: 49.637 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	197.8





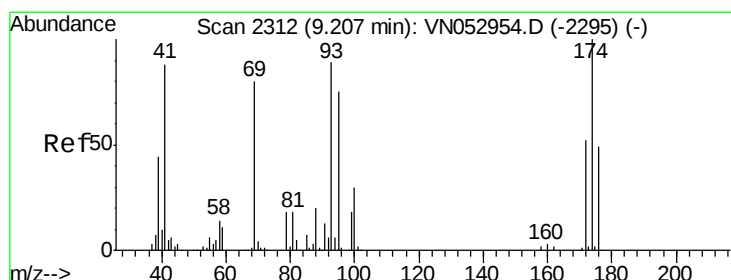
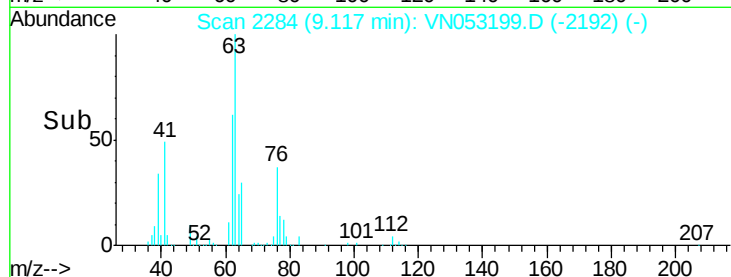
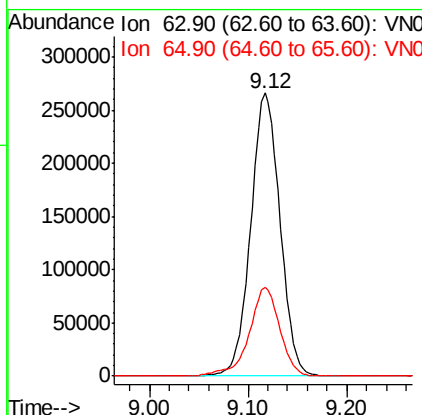
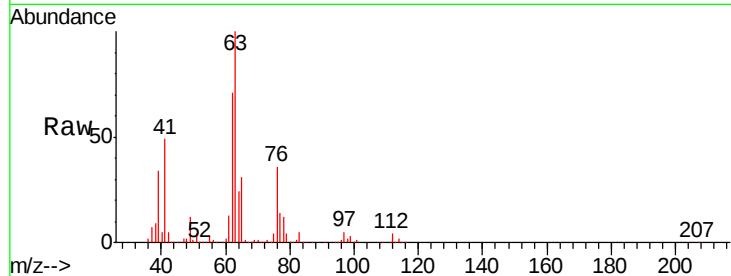
#45
 1,2-Dichloropropane
 Concen: 53.421 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 544415
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0

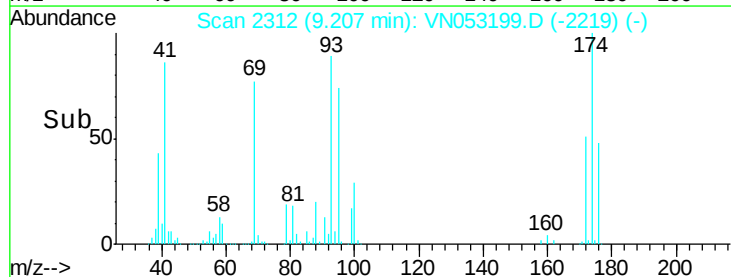
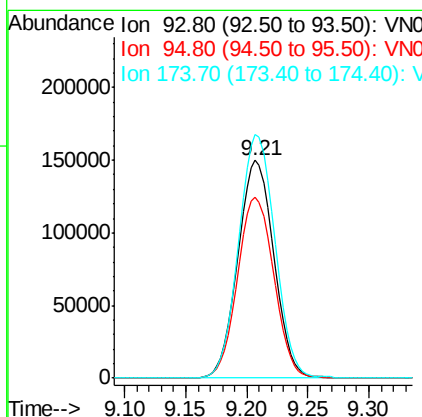
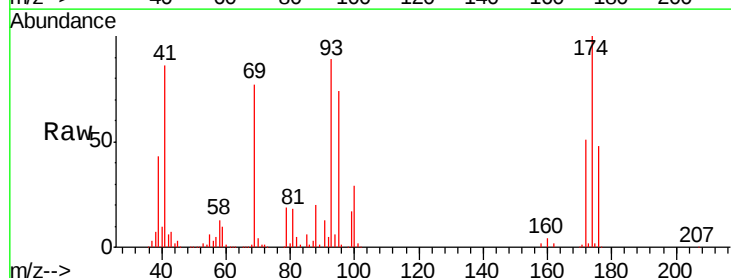
Manual Integrations
 APPROVED

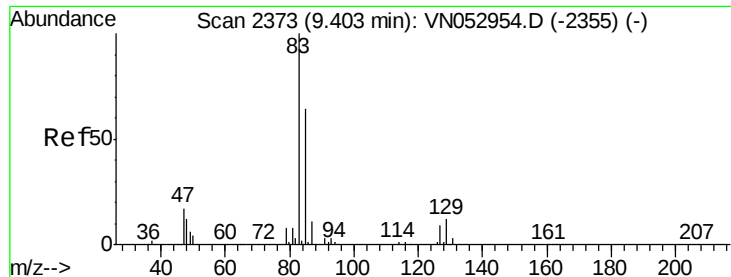
MMDadoda
 12/28/2018 10:14:38 AM



#46
 Dibromomethane
 Concen: 51.525 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion: 93 Resp: 305893
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 113.0 89.0 133.4





#47

Bromodichloromethane

Concen: 53.607 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

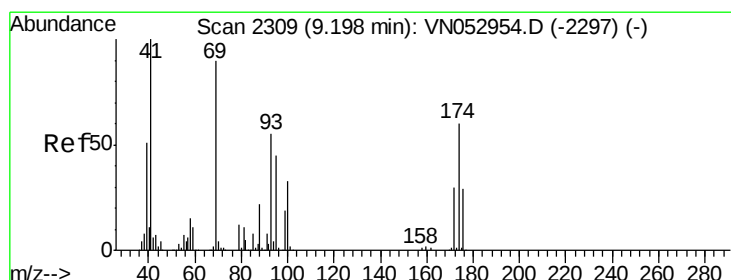
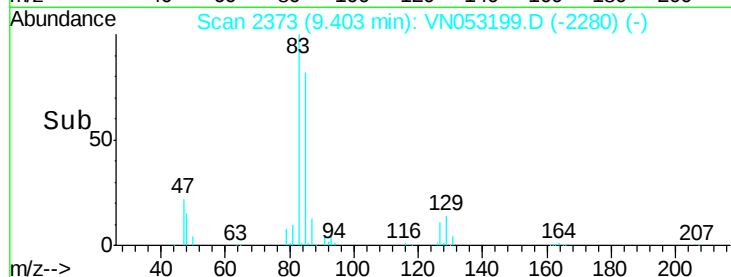
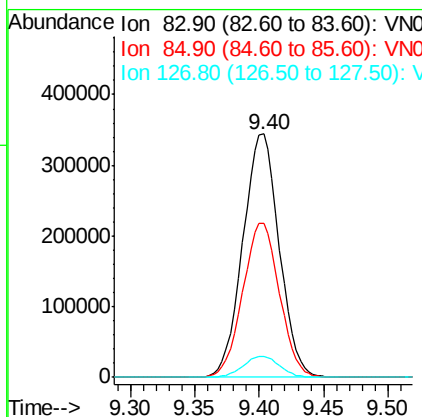
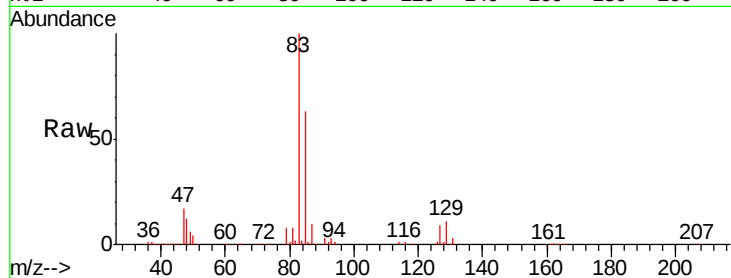
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	676495
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.6	77.4
127	8.8	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
12/28/2018 10:14:38 AM



#48

Methyl methacrylate

Concen: 49.953 ug/l

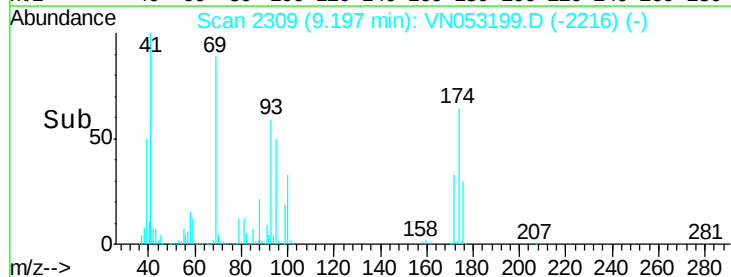
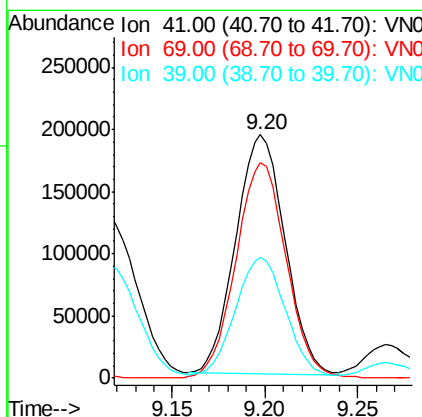
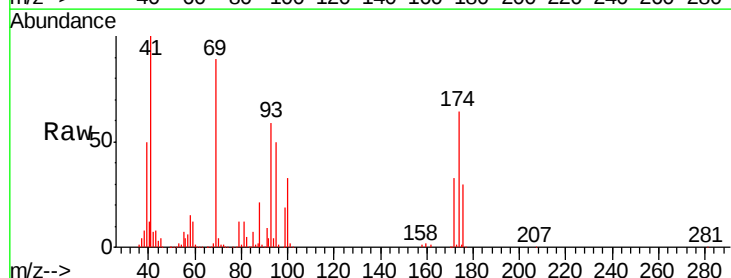
RT: 9.20 min Scan# 2309

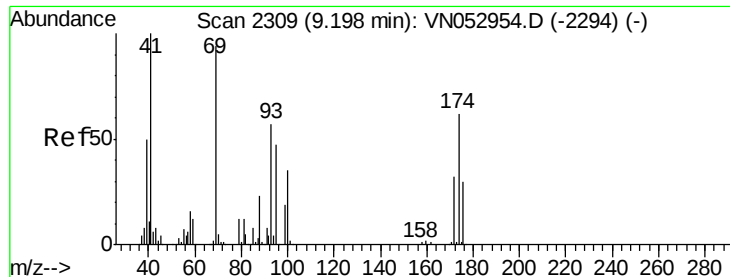
Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion:	41	Resp:	355939
Ion Ratio	Lower	Upper	
41	100		
69	91.7	72.2	108.2
39	52.0	41.9	62.9





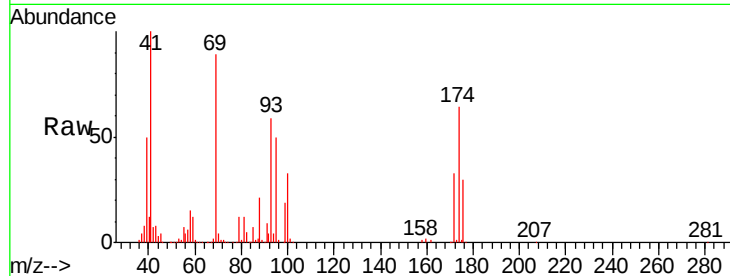
#49
1,4-Dioxane
Concen: 989.753 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.4	26.6	40.0
58	68.5	58.4	87.6

Manual Integrations
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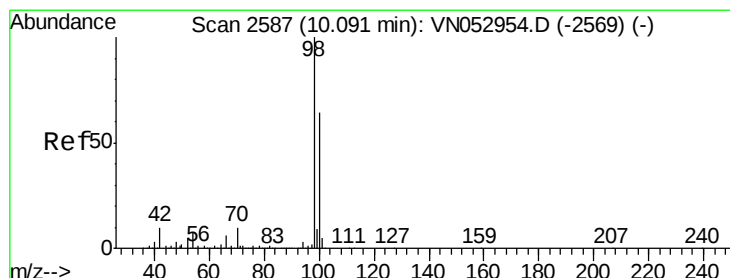
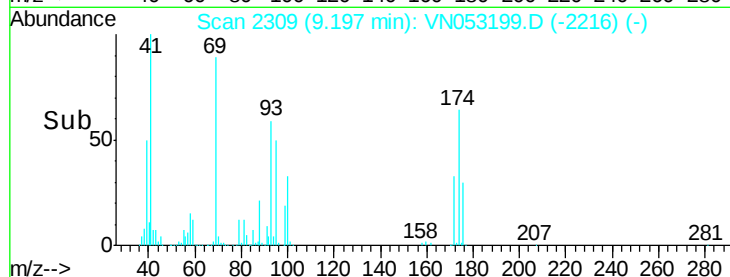
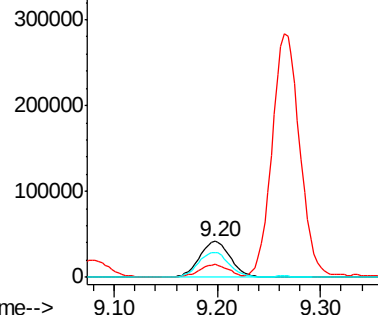
MMDadoda
12/28/2018 10:14:38 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053199.D (-2216) (-)

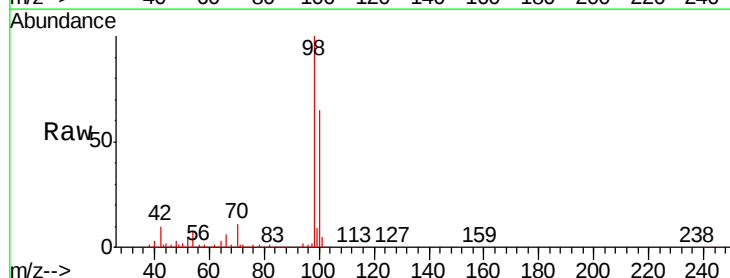
Ion 43.00 (42.70 to 43.70): VN053199.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053199.D (-2216) (-)



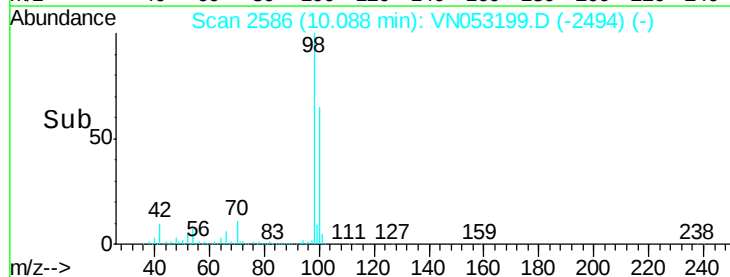
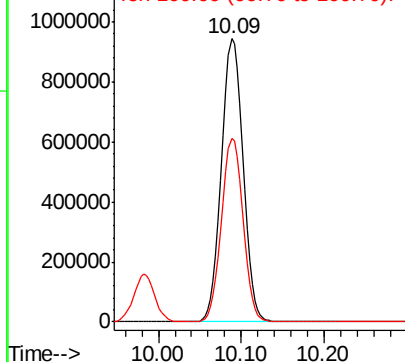
#50
Toluene-d8
Concen: 989.753 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

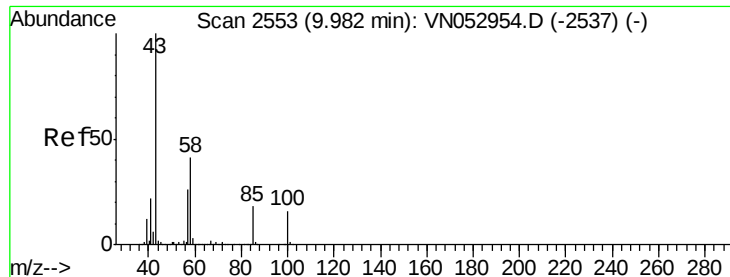
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053199.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053199.D (-2494) (-)





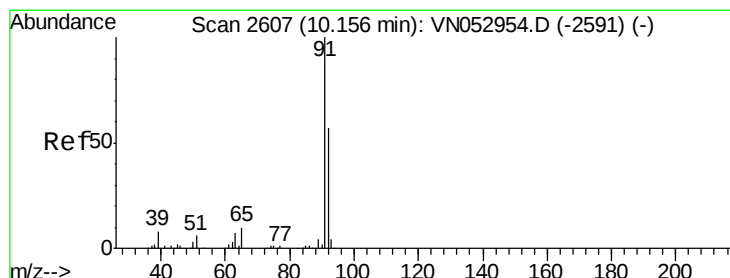
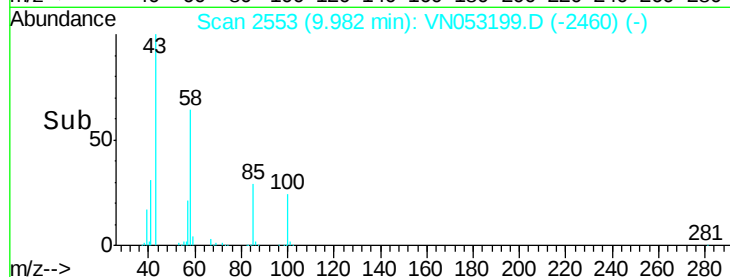
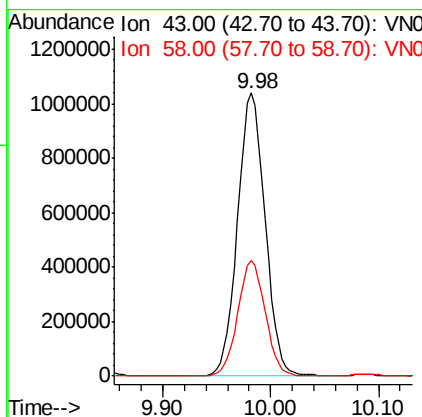
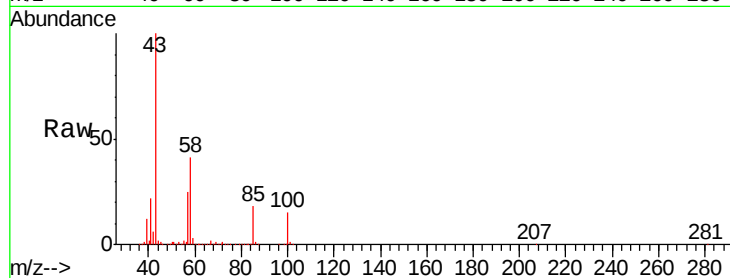
#51
 4-Methyl-2-Pentanone
 Concen: 260.792 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1854547
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4

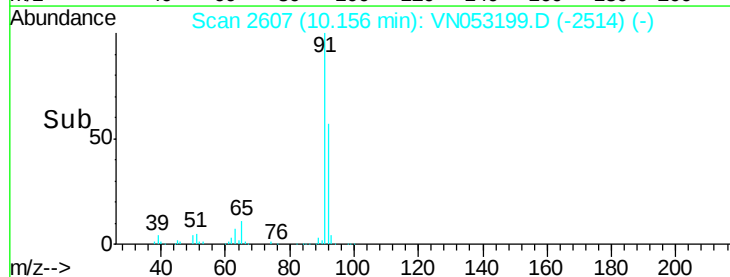
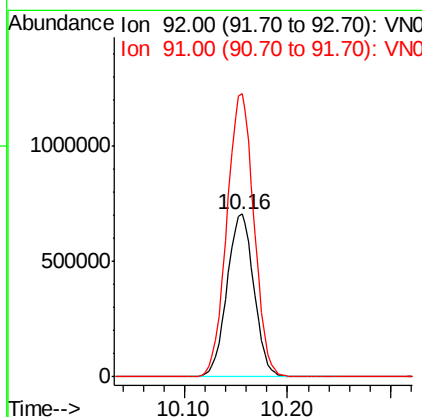
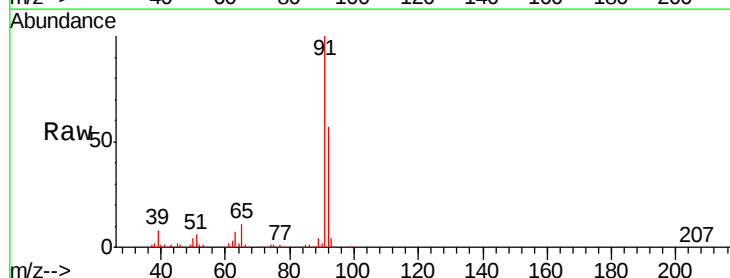
Manual Integrations
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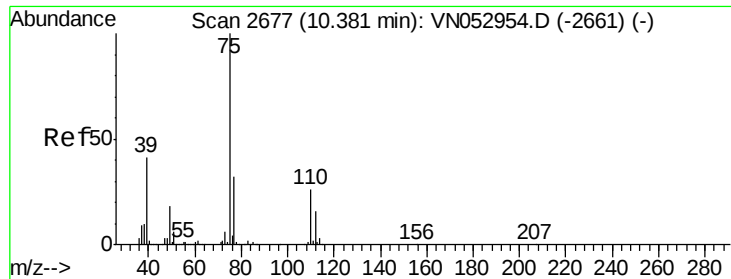
MMDadoda
 12/28/2018 10:14:38 AM



#52
 Toluene
 Concen: 52.776 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion: 92 Resp: 1279876
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.8 209.6





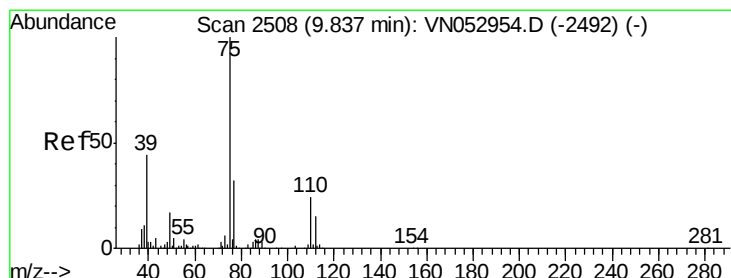
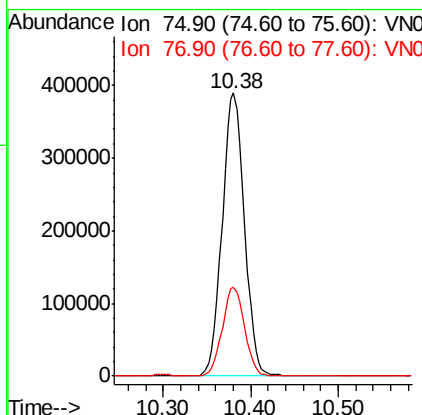
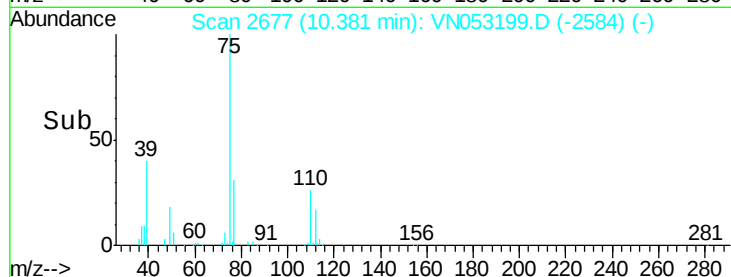
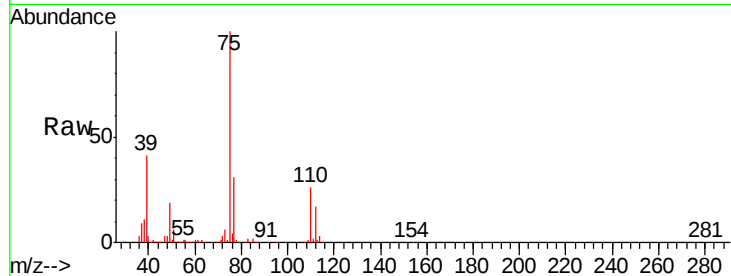
#53
t-1,3-Dichloropropene
Concen: 51.746 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 686675
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

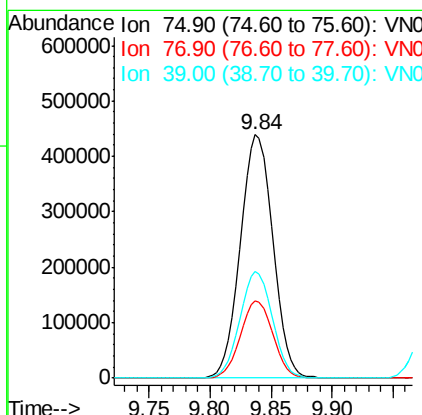
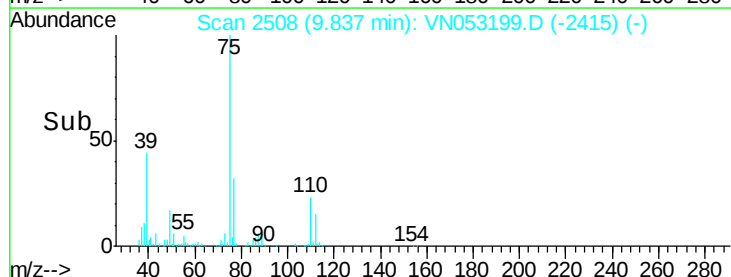
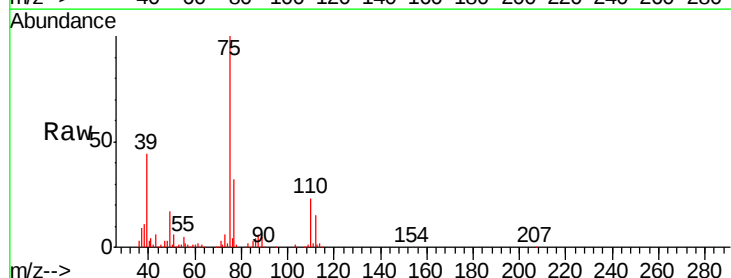
Manual Integrations
APPROVED

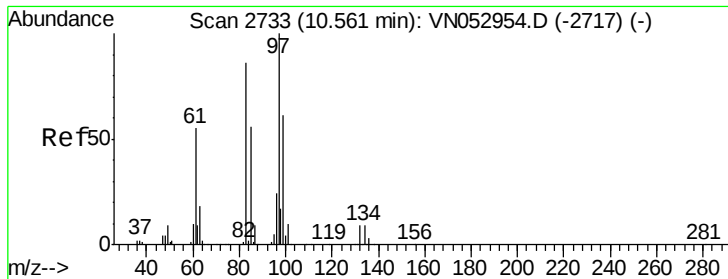
MMDadoda
12/28/2018 10:14:38 AM



#54
cis-1,3-Dichloropropene
Concen: 53.107 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion: 75 Resp: 808918
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.8
39 43.7 34.8 52.2





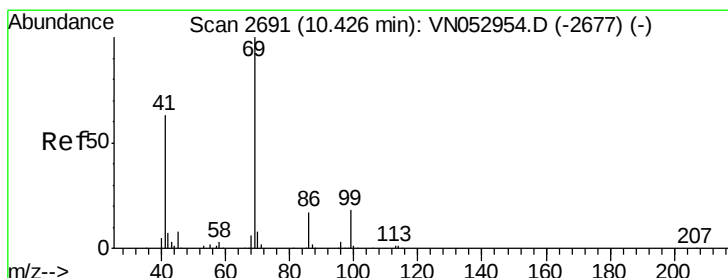
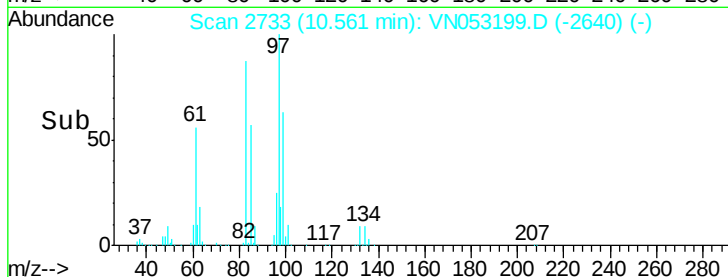
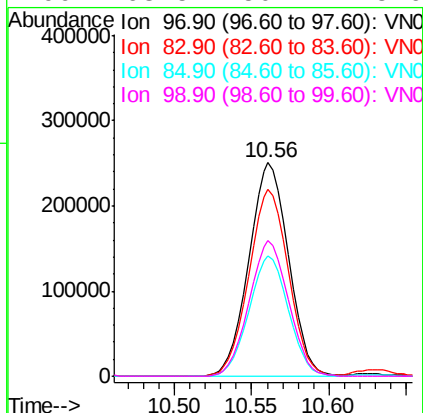
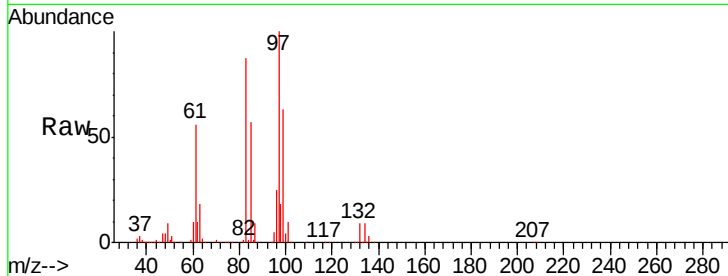
#55
 1,1,2-Trichloroethane
 Concen: 52.833 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.9	106.3
85	56.5	45.4	68.2
99	63.5	50.4	75.6

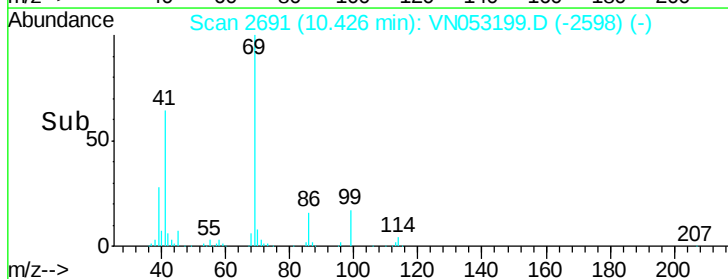
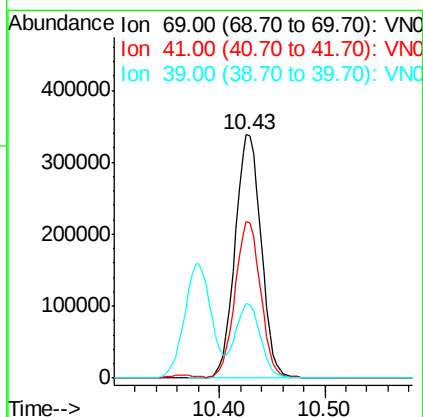
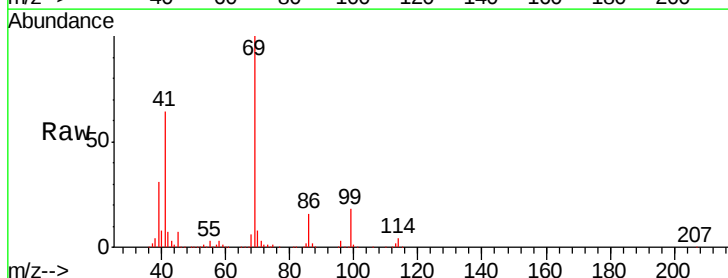
Manual Integrations
 APPROVED

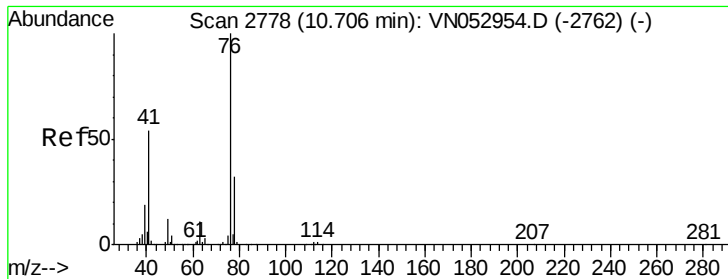
MMDadoda
 12/28/2018 10:14:38 AM



#56
 Ethyl methacrylate
 Concen: 51.764 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 52.769 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 765584

Ion Ratio Lower Upper

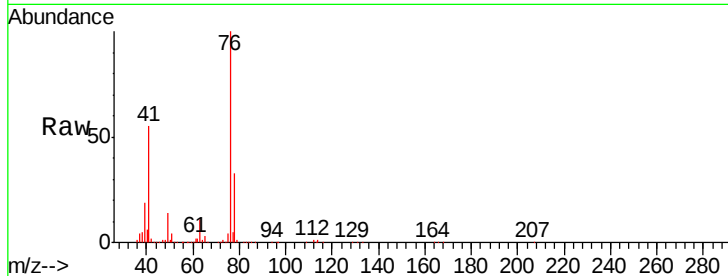
76 100

78 32.4 25.8 38.8

Manual Integrations
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MMDadoda

12/28/2018 10:14:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

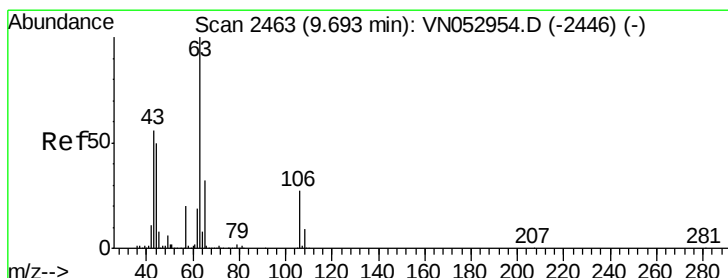
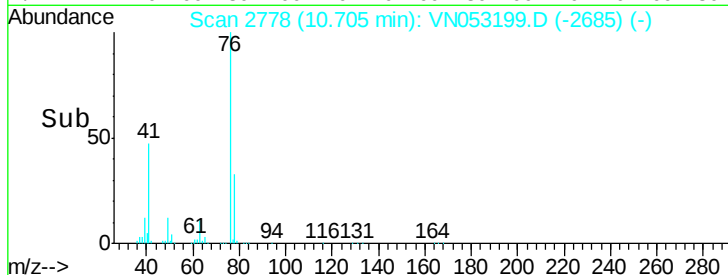
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 266.123 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053199.D

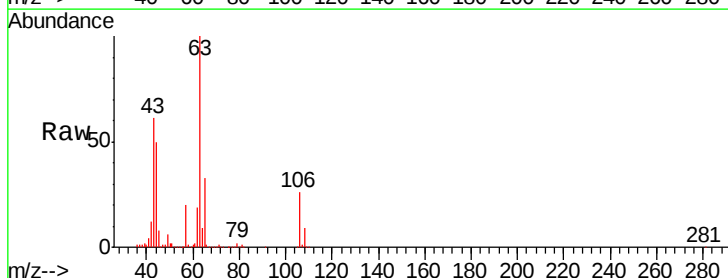
Acq: 27 Dec 2018 8:59

Tgt Ion: 63 Resp: 1636070

Ion Ratio Lower Upper

63 100

106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

1000000

800000

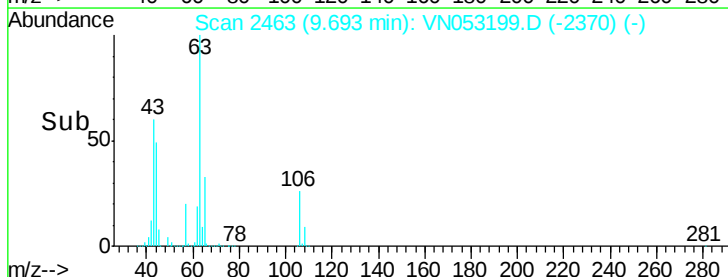
600000

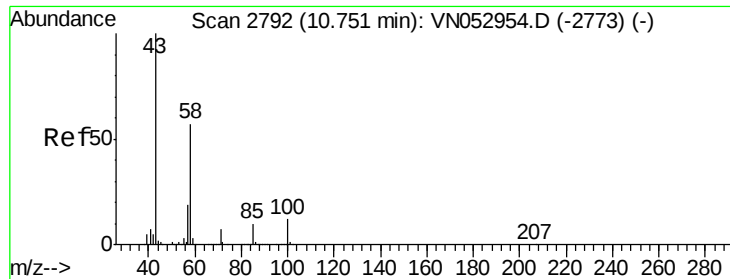
400000

200000

0

Time-->





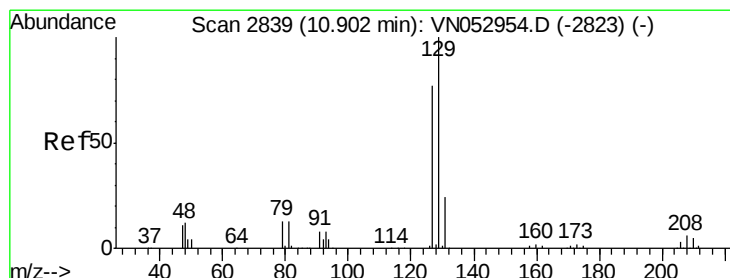
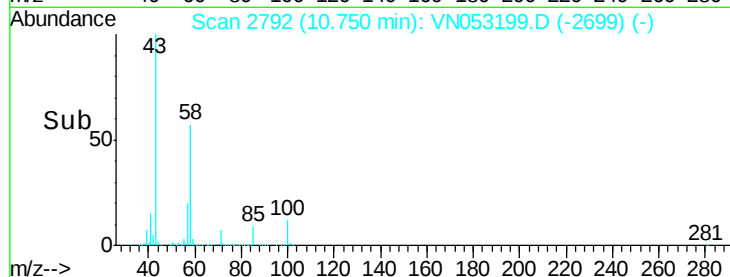
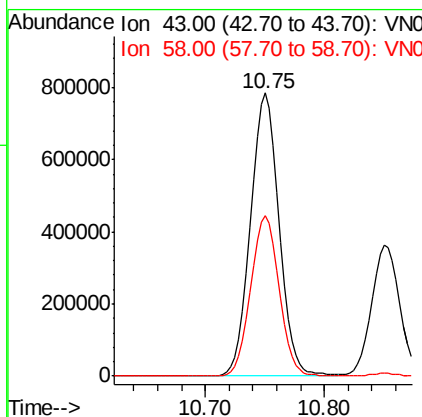
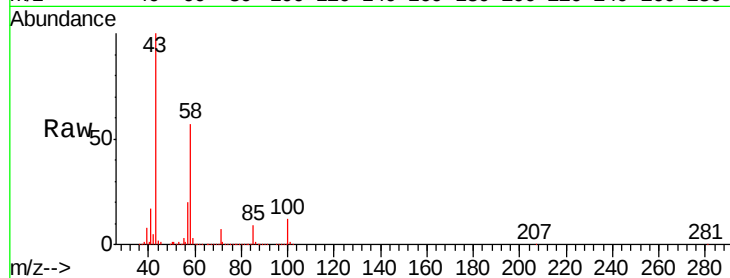
#59
2-Hexanone
Concen: 270.501 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1301466
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.3

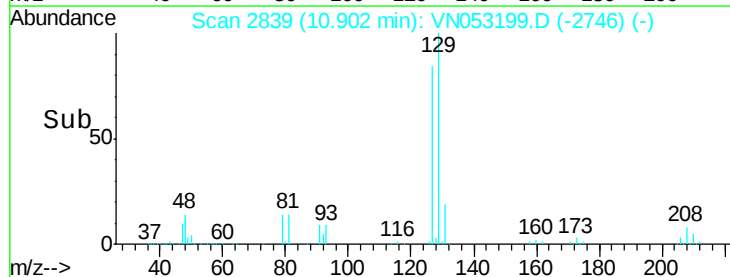
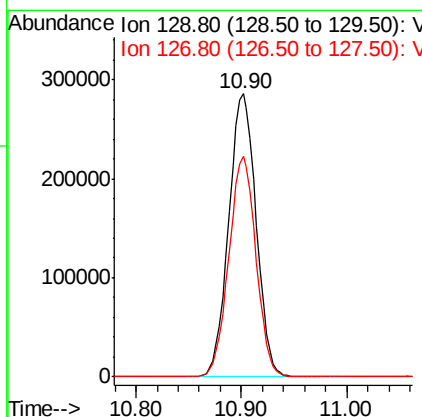
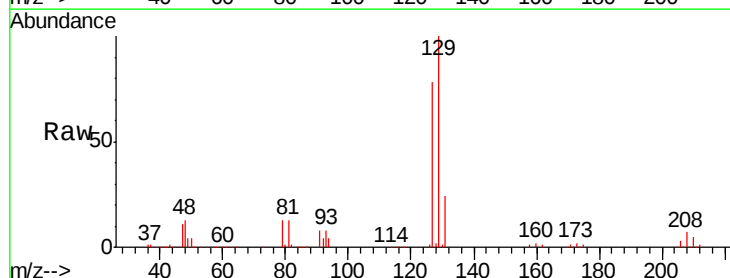
Manual Integrations
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#60
Dibromochloromethane
Concen: 52.905 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion: 129 Resp: 512355
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.438 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 441979

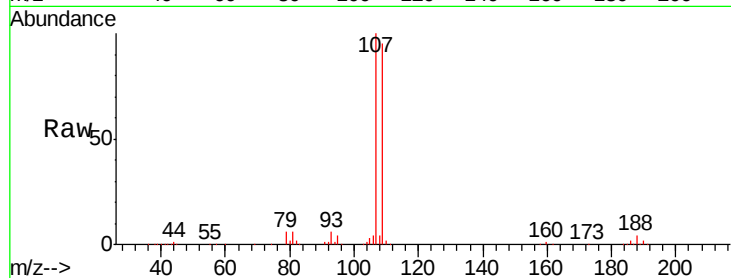
Ion Ratio Lower Upper

107 100

109 95.3 75.4 113.0

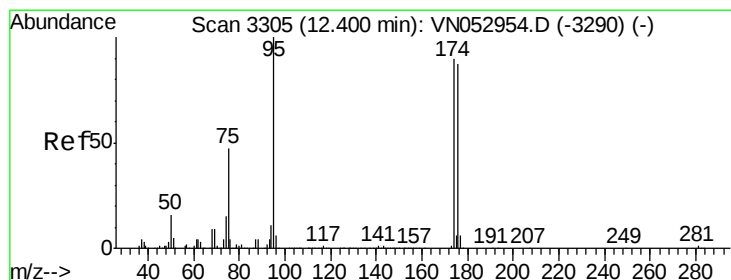
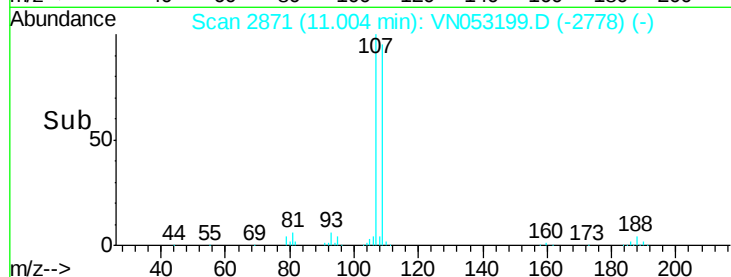
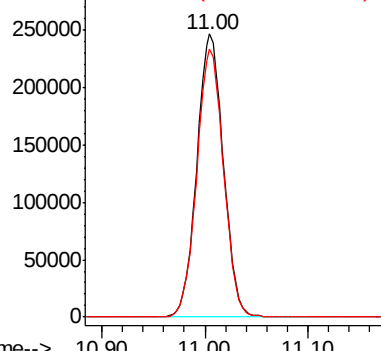
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.438 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

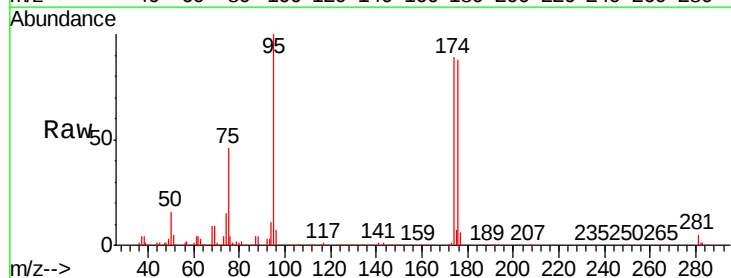
Tgt Ion: 95 Resp: 613474

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

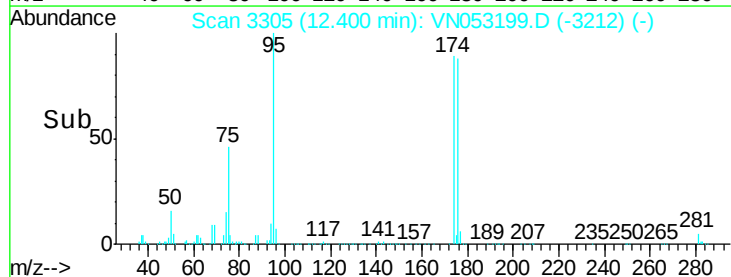
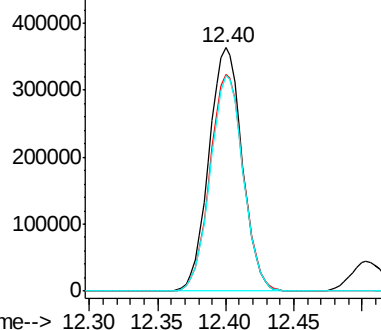
176 87.6 0.0 173.8

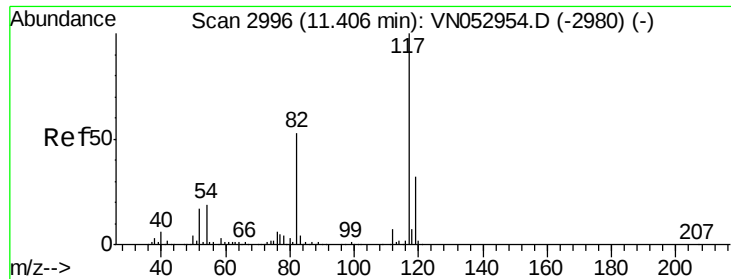


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 1254708

Ion Ratio Lower Upper

117 100

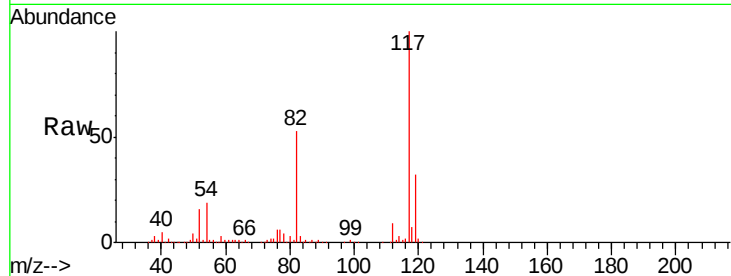
82 53.0 42.8 64.2

119 31.6 25.5 38.3

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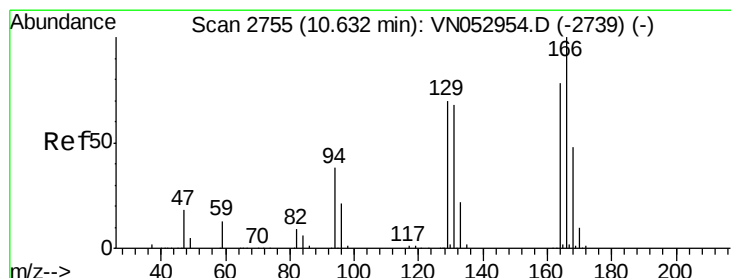
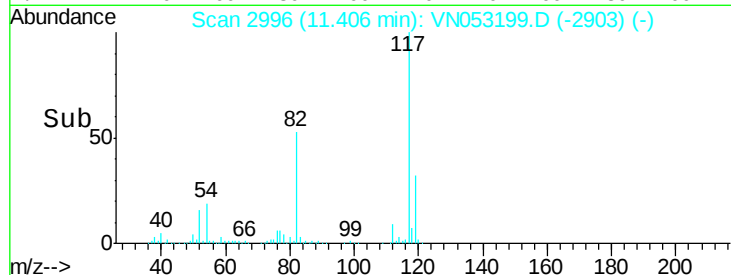
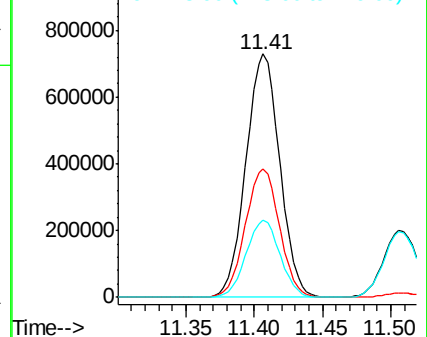
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.851 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion:164 Resp: 623176

Ion Ratio Lower Upper

164 100

166 127.2 102.9 154.3

129 88.6 73.7 110.5

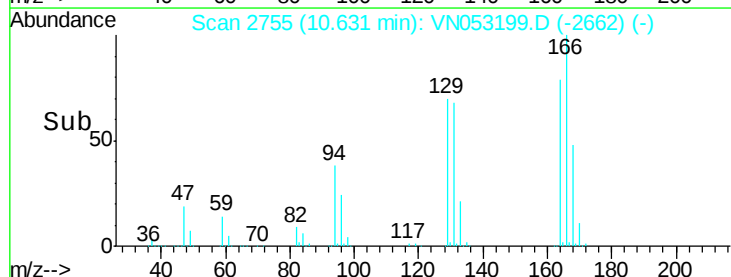
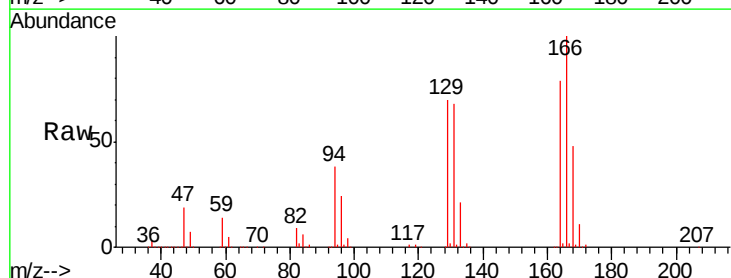
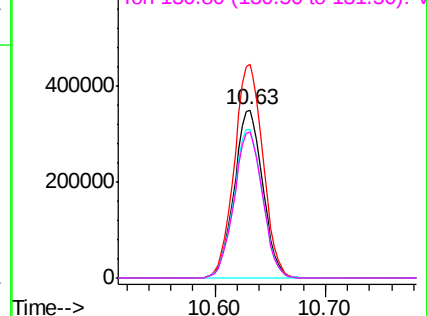
131 86.9 70.7 106.1

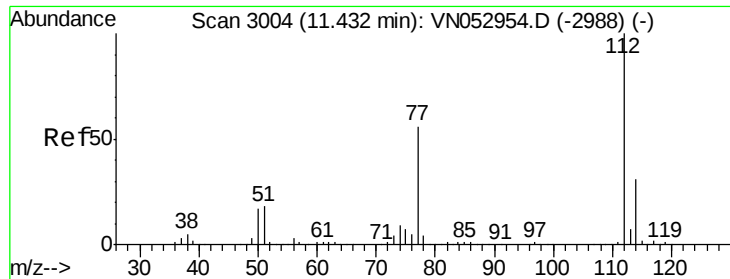
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





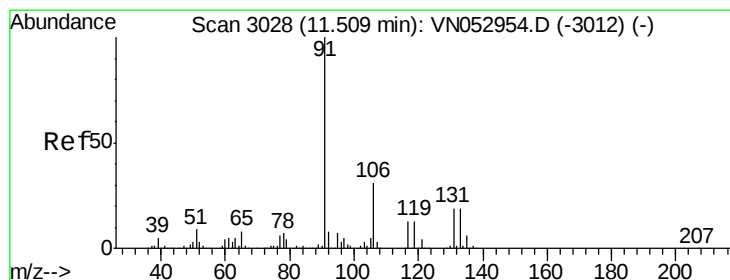
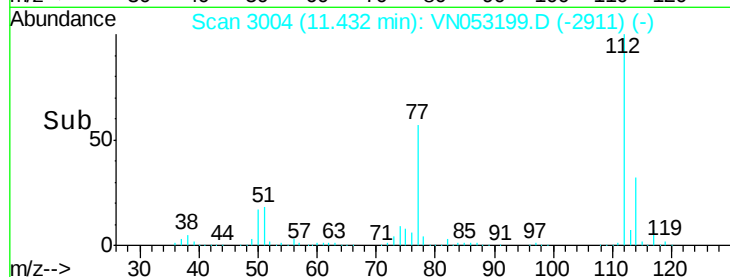
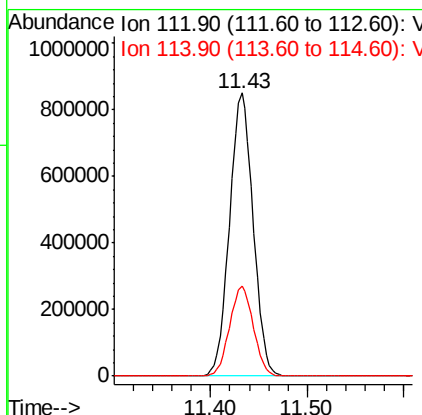
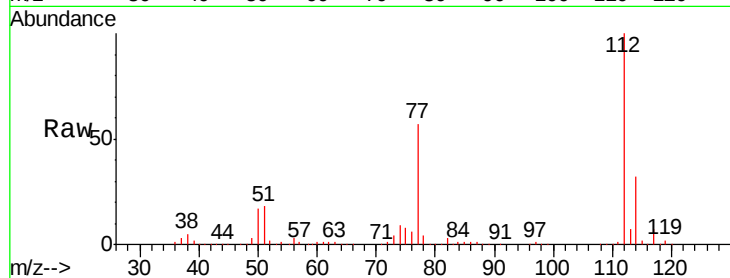
#65
Chlorobenzene
Concen: 51.757 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1439523
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

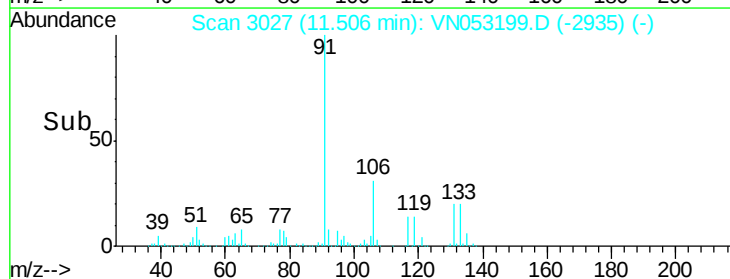
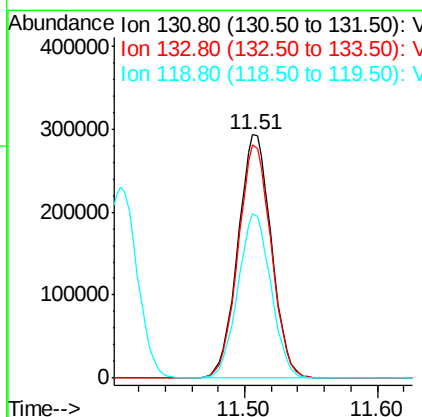
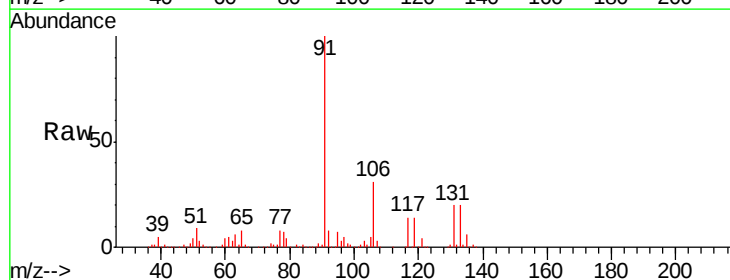
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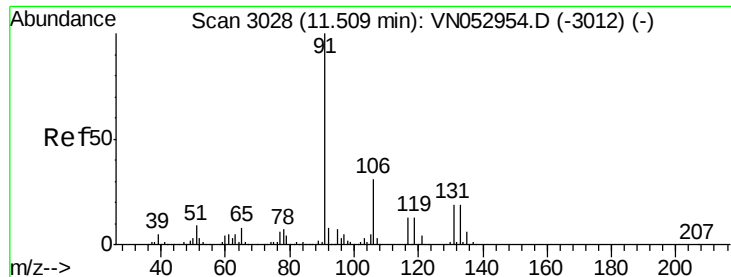
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.936 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion:131 Resp: 511993
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.5 33.3 99.8





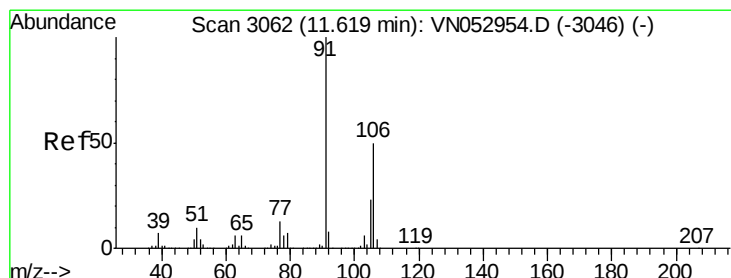
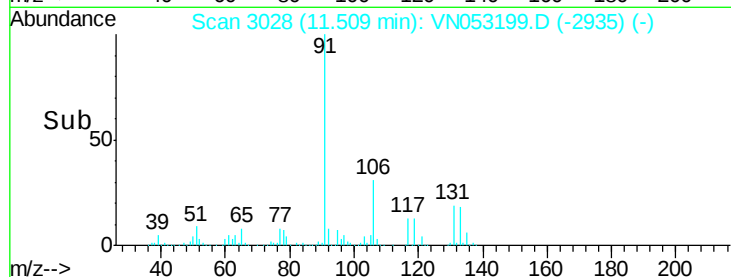
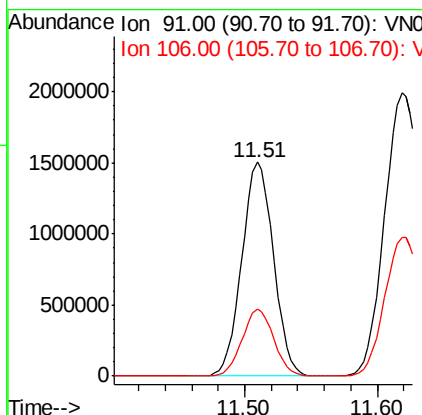
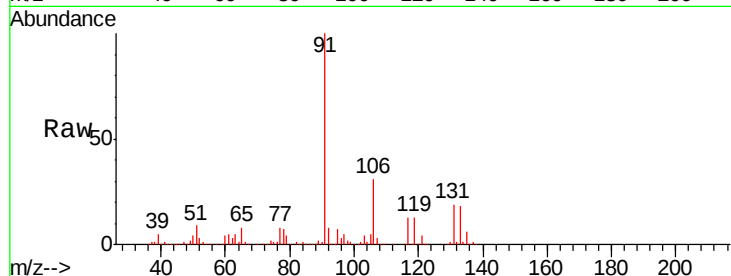
#67
Ethyl Benzene
Concen: 52.189 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2496297
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

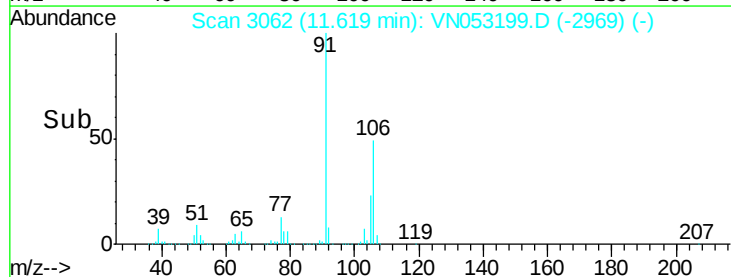
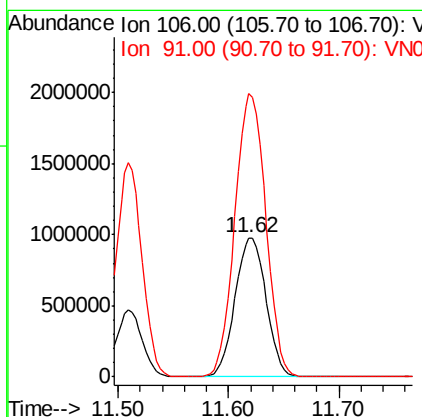
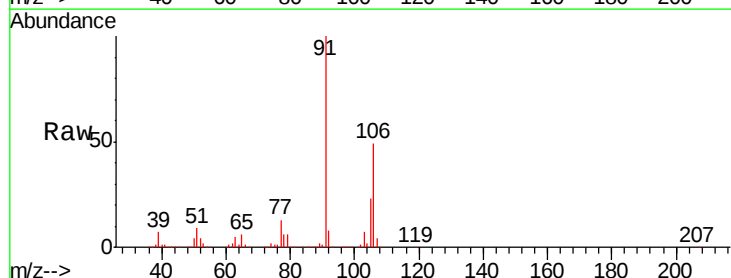
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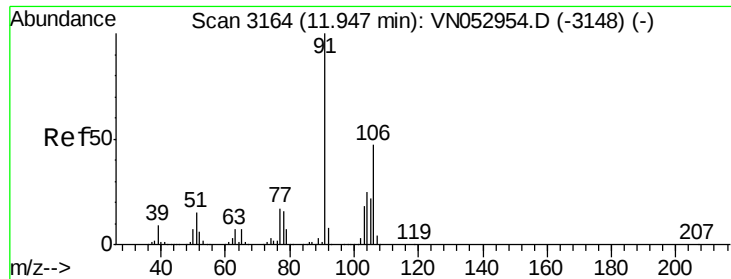
MMDadoda
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#68
m/p-Xylenes
Concen: 104.765 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion: 106 Resp: 1904996
Ion Ratio Lower Upper
106 100
91 202.8 162.2 243.4





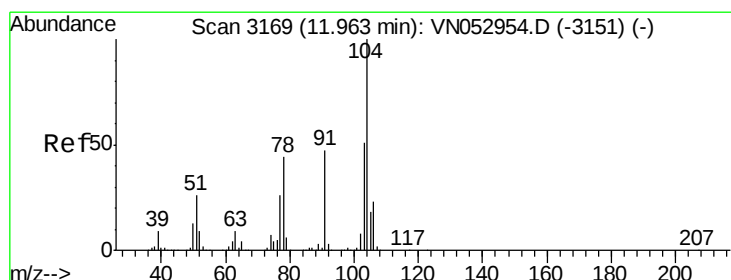
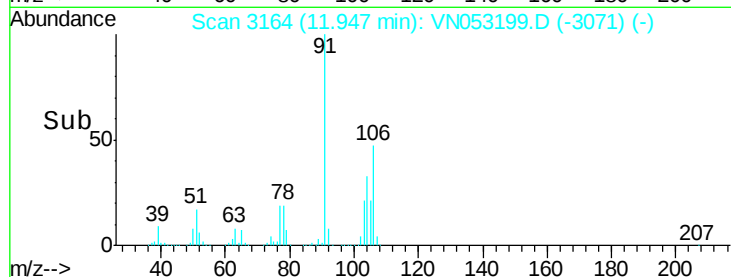
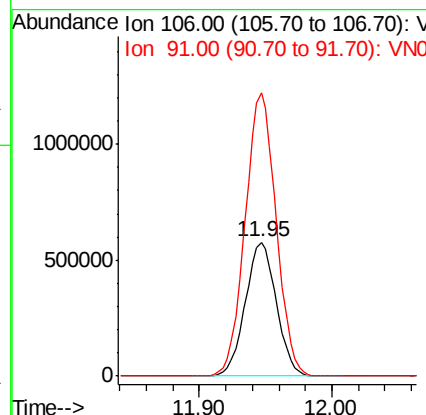
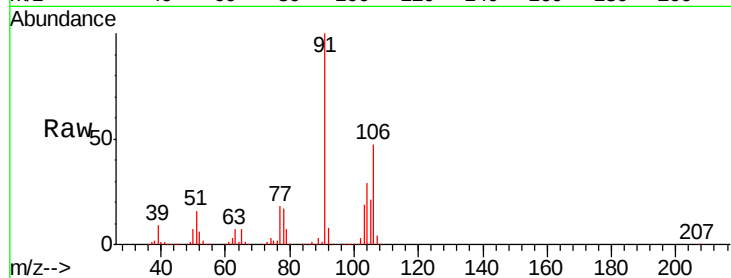
#69
o-Xylene
Concen: 53.605 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 935337
Ion Ratio Lower Upper
106 100
91 211.5 106.6 319.8

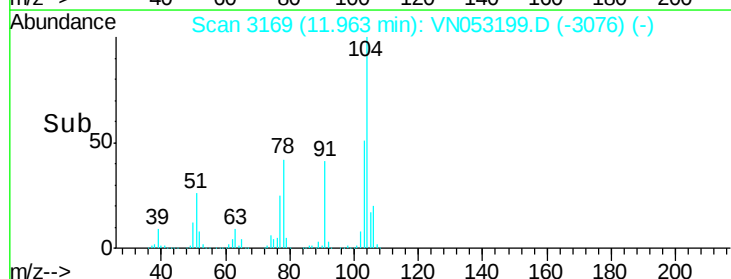
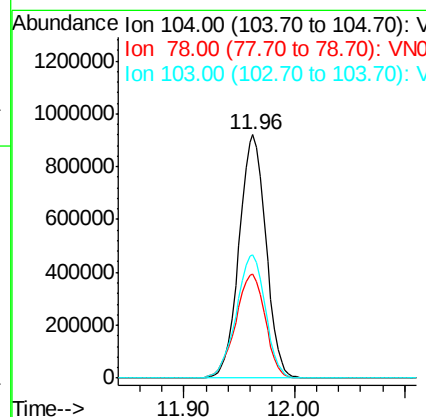
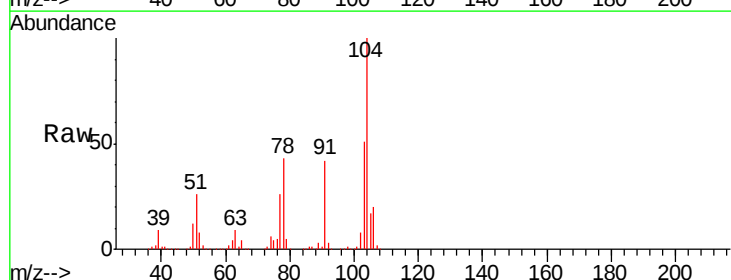
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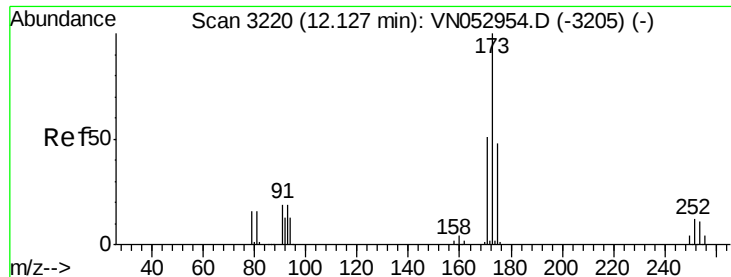
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#70
Styrene
Concen: 54.398 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion:104 Resp: 1547733
Ion Ratio Lower Upper
104 100
78 47.6 38.9 58.3
103 55.1 44.3 66.5





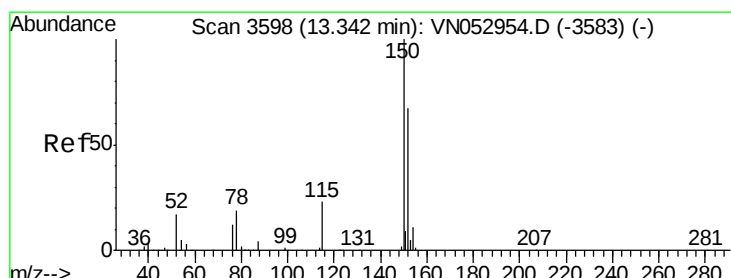
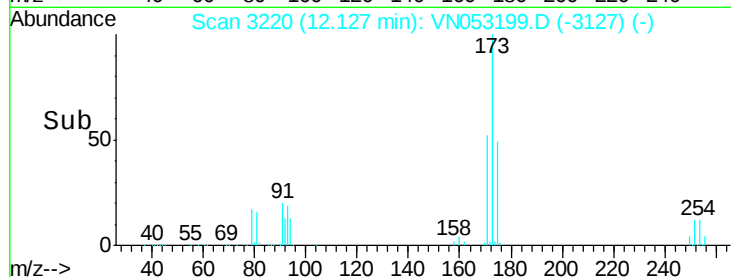
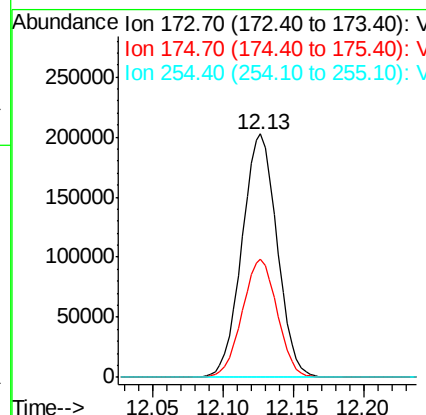
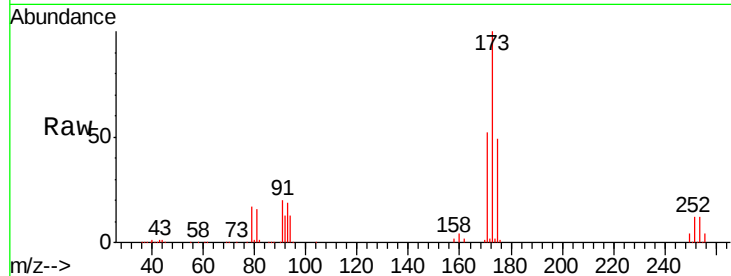
#71
Bromoform
Concen: 50.672 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.2	0.1	0.1#

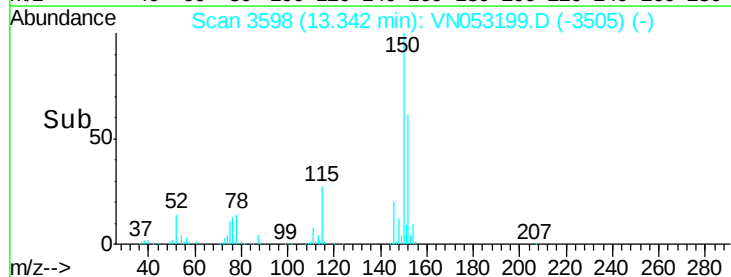
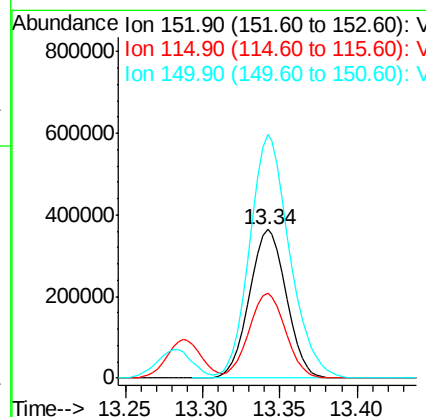
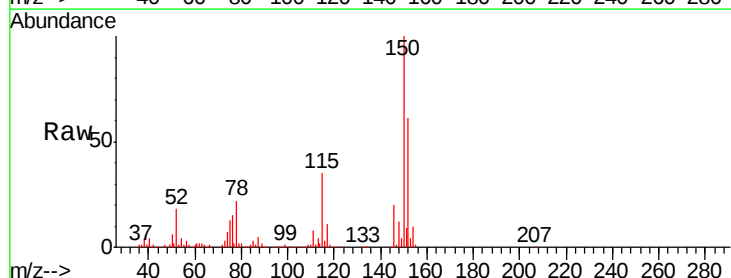
Manual Integrations
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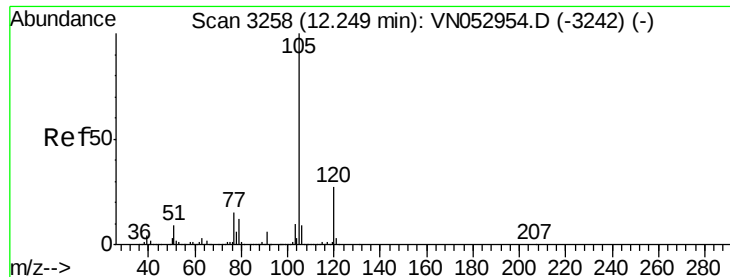
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	177.2	0.0	347.8





#73

Isopropylbenzene

Concen: 52.201 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2469899

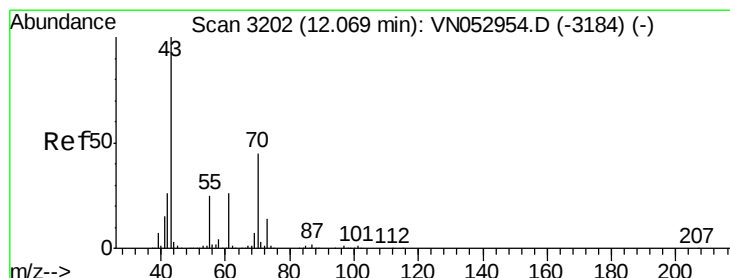
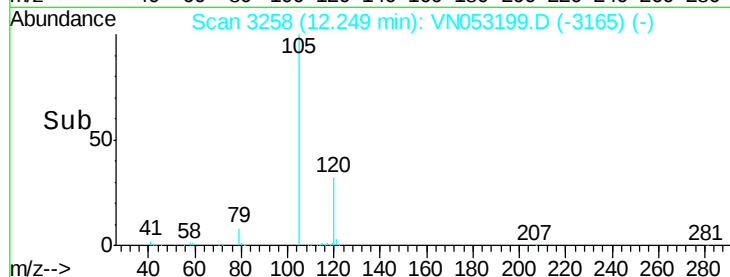
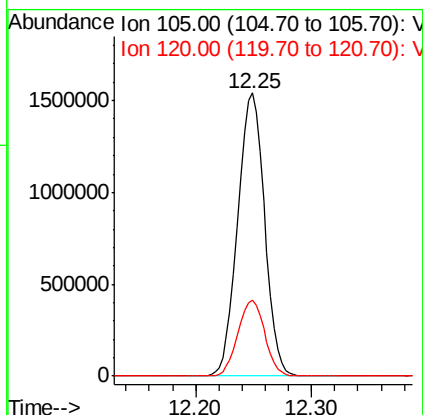
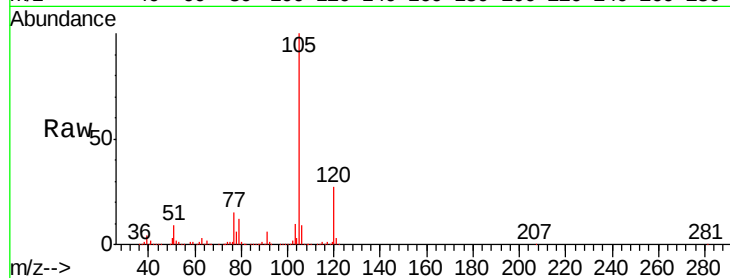
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

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#74

N-ethyl acetate

Concen: 48.212 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion: 43 Resp: 633331

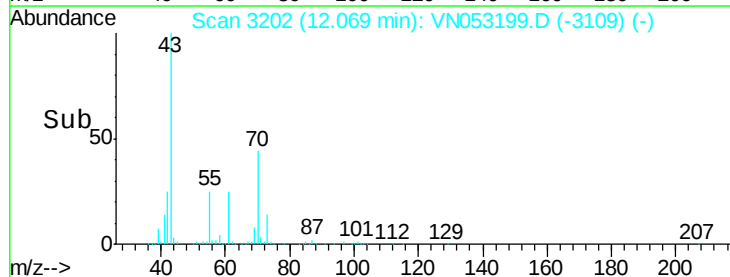
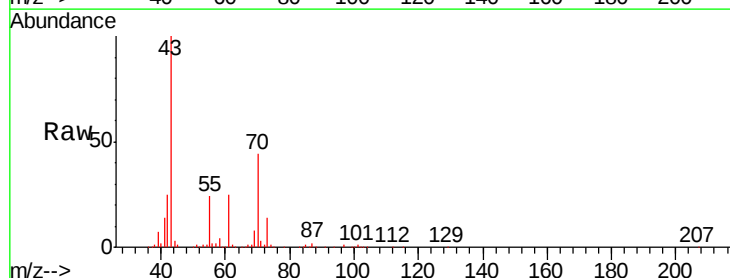
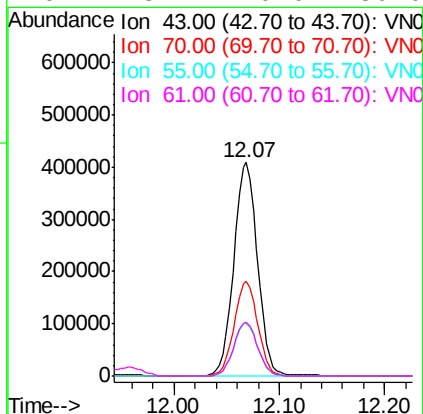
Ion Ratio Lower Upper

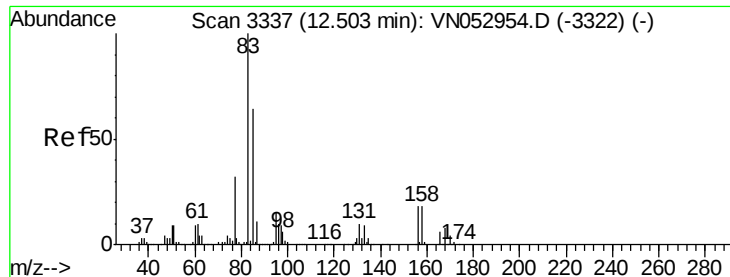
43 100

70 44.2 34.2 51.4

55 25.1 20.3 30.5

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.145 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 502600
Ion Ratio Lower Upper

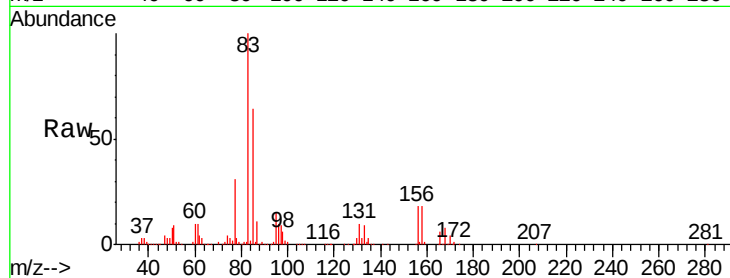
83 100

131 10.5 5.2 15.6

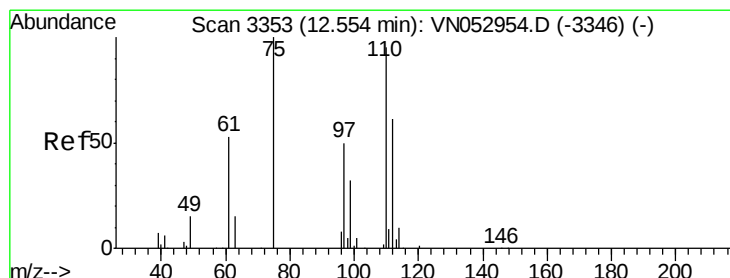
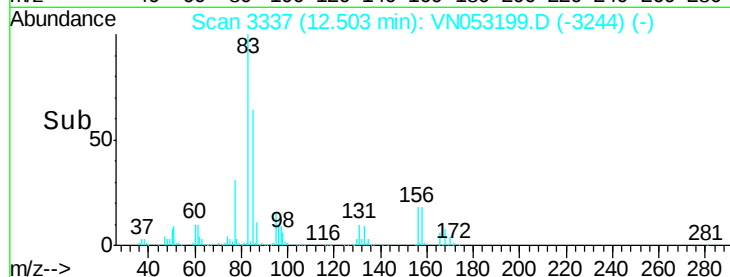
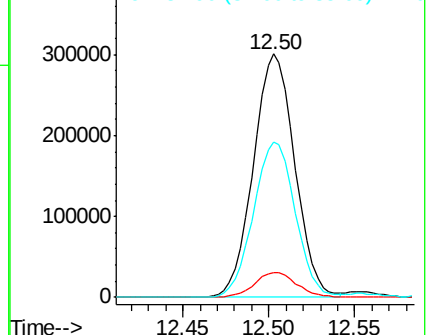
85 64.4 32.4 97.0

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



#76

1,2,3-Trichloropropane

Concen: 45.594 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

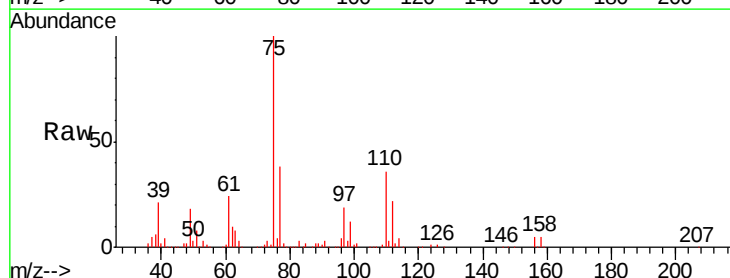
Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

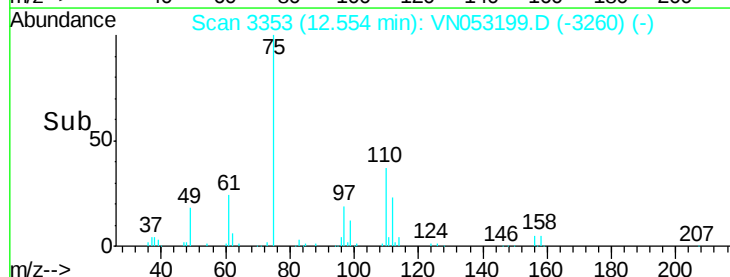
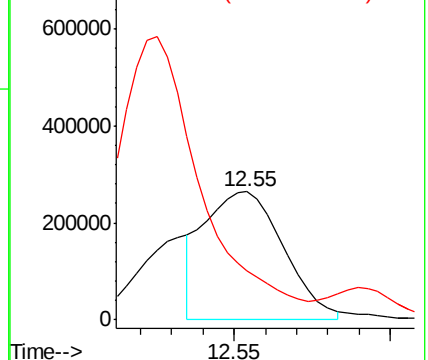
Tgt Ion: 75 Resp: 464144
Ion Ratio Lower Upper

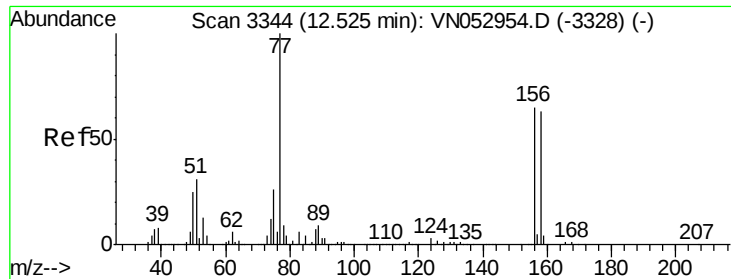
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.698 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

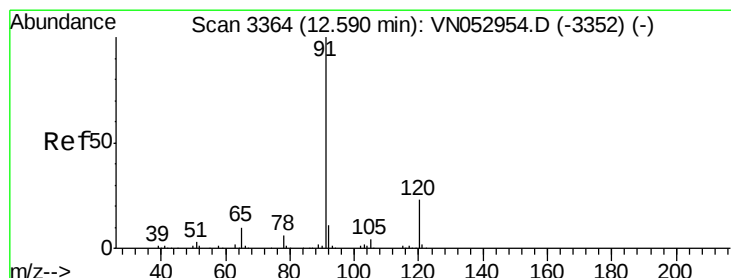
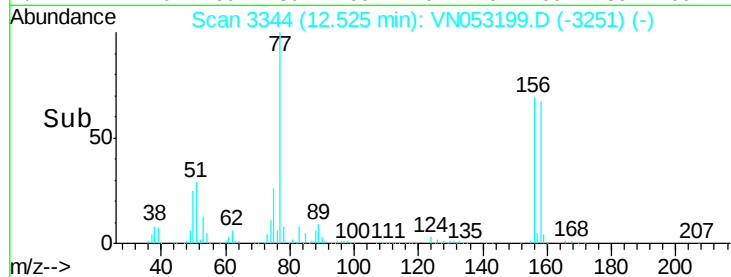
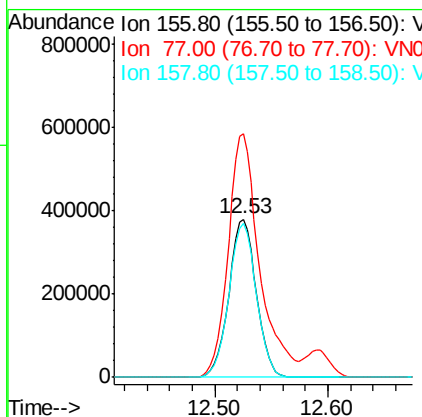
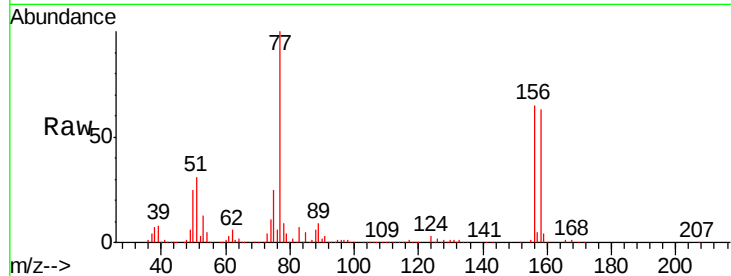
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	635848
Ion Ratio	Lower	Upper	
156	100		
77	177.0	91.3	273.8
158	97.4	49.0	147.2

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#78

n-propylbenzene

Concen: 53.033 ug/l

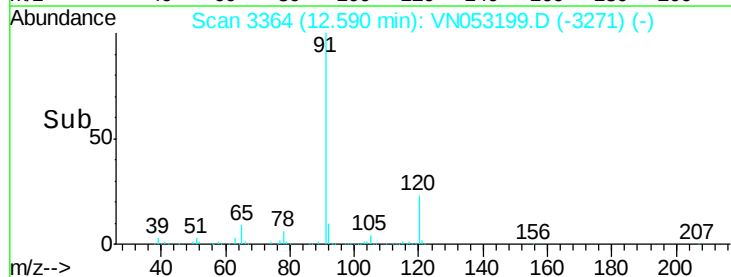
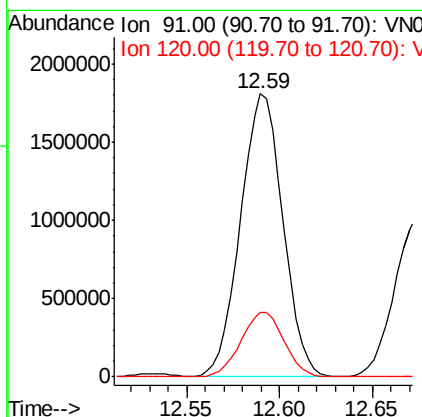
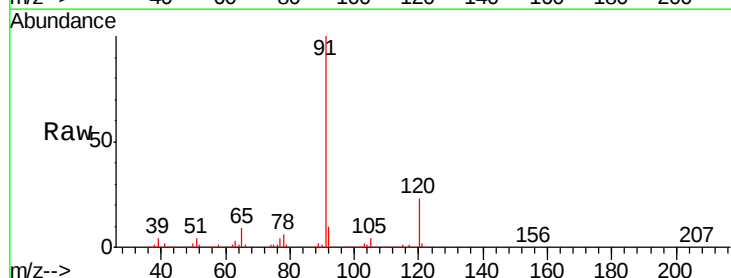
RT: 12.59 min Scan# 3364

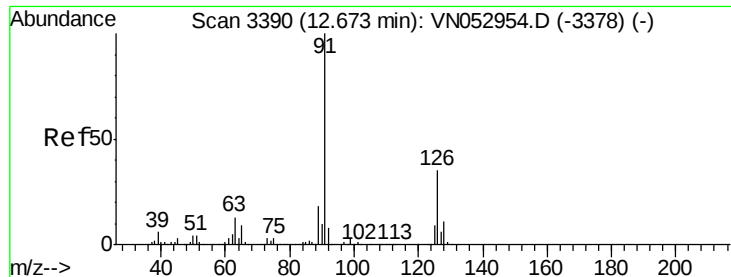
Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Tgt Ion:	91	Resp:	2857809
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.772 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1662496

Ion Ratio Lower Upper

91 100

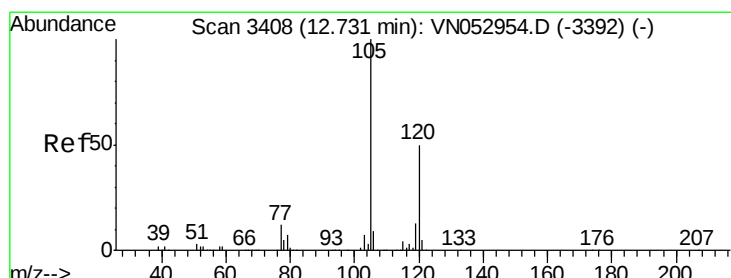
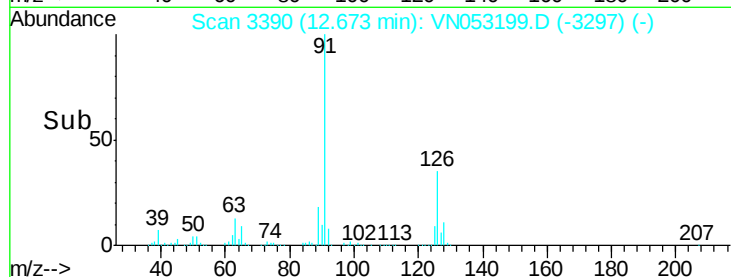
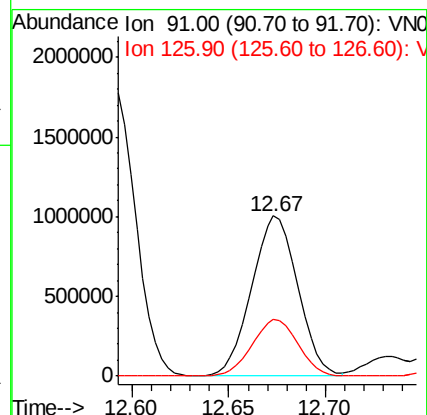
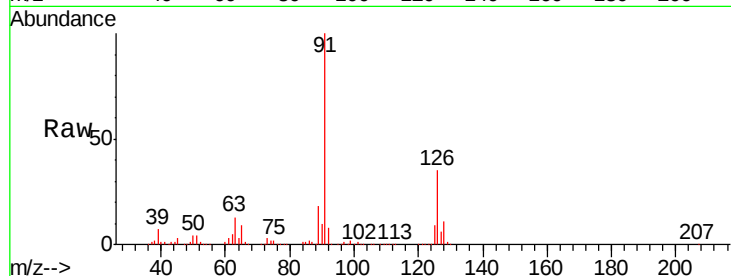
126 35.1 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.636 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053199.D

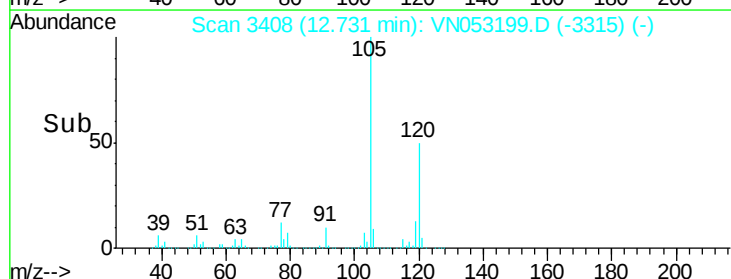
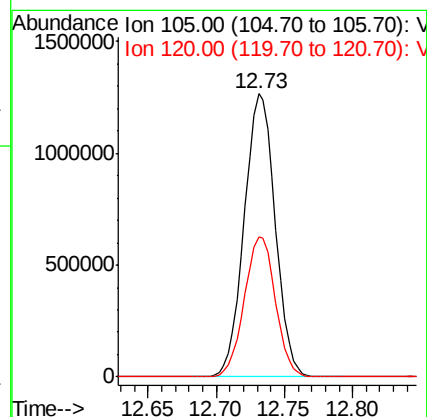
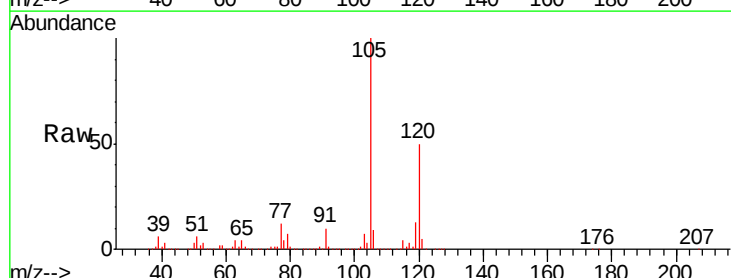
Acq: 27 Dec 2018 8:59

Tgt Ion: 105 Resp: 1991381

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2





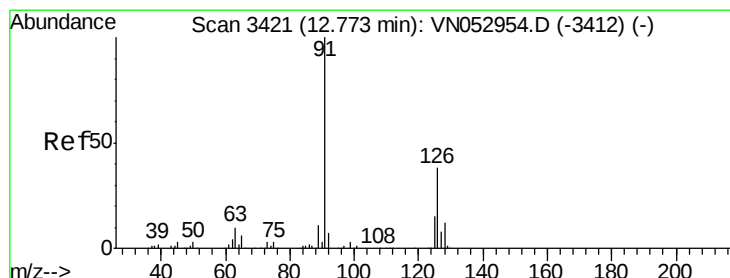
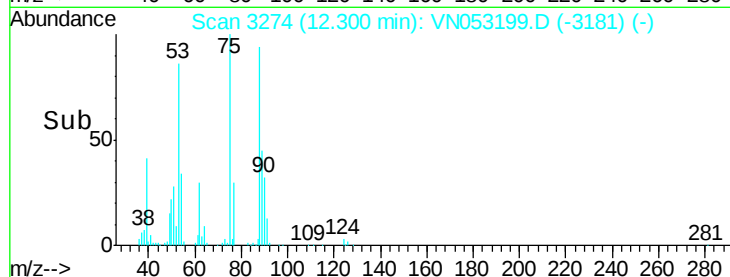
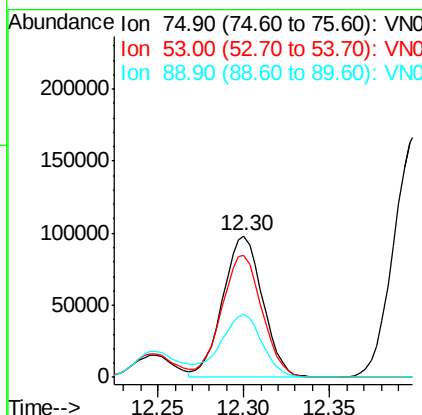
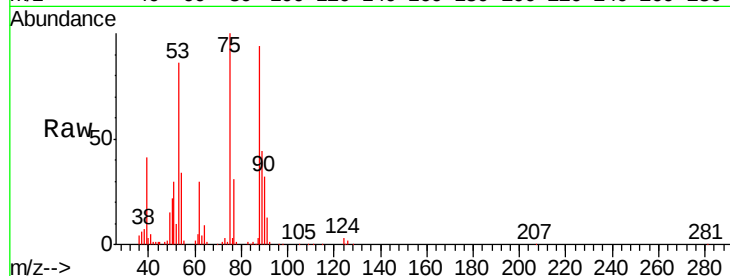
#81
trans-1,4-Dichloro-2-butene
Concen: 50.454 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.3	74.7	112.1
89	46.6	36.1	54.1

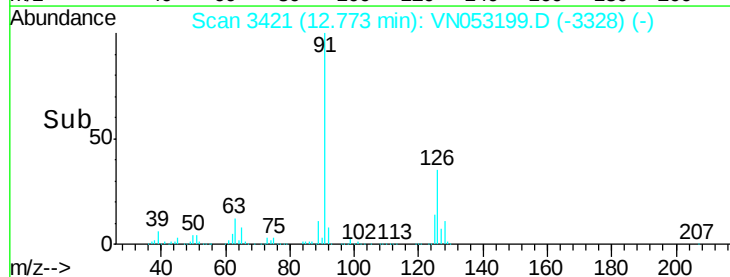
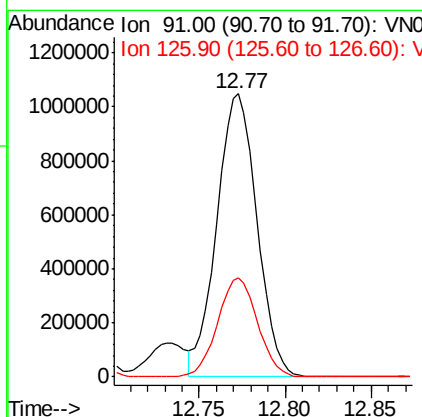
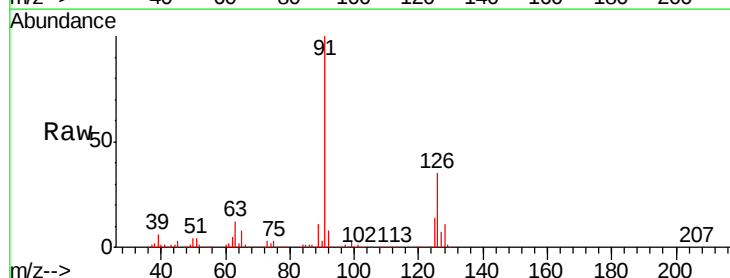
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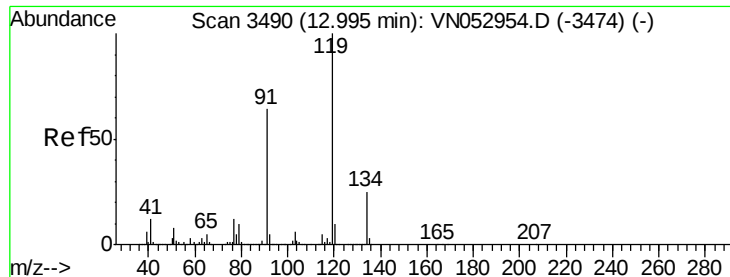
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.174 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





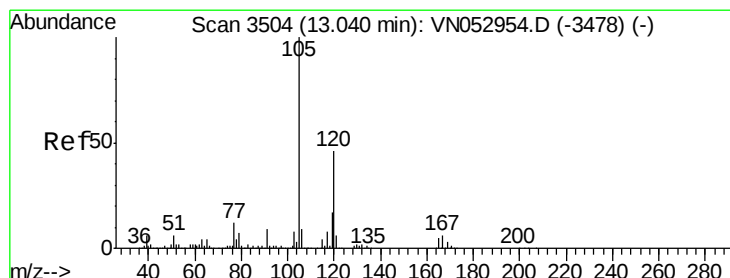
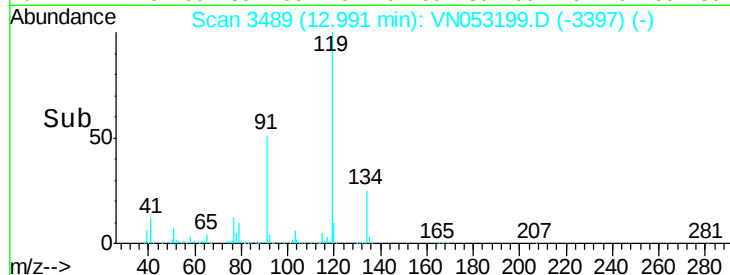
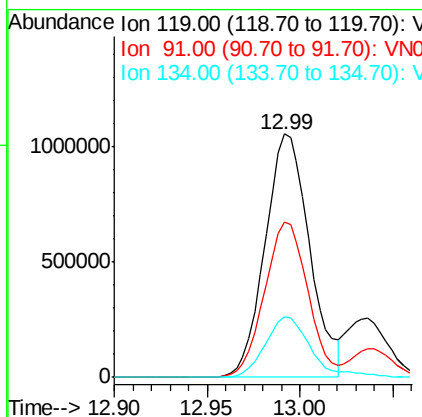
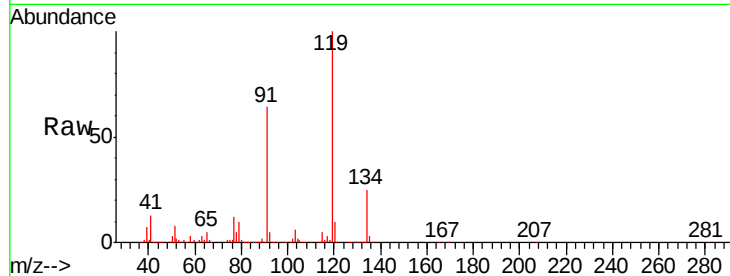
#83
 tert-Butylbenzene
 Concen: 51.632 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1761080
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.9 95.5
 134 25.5 12.8 38.4

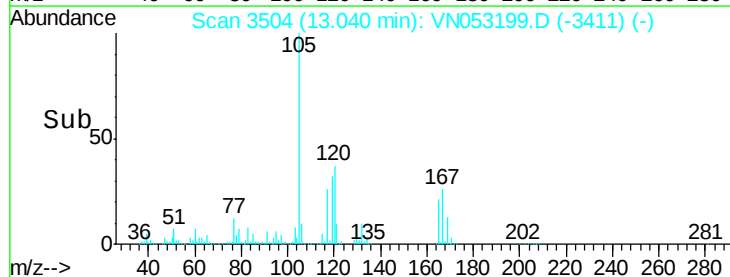
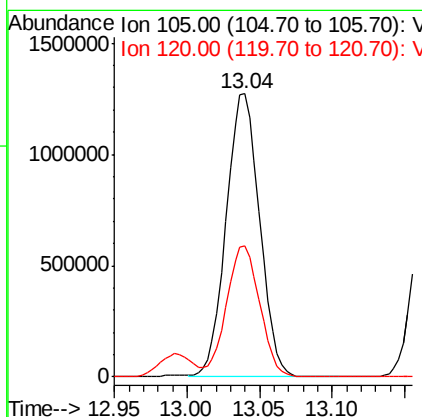
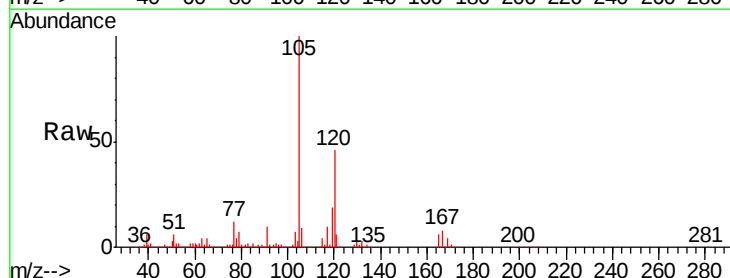
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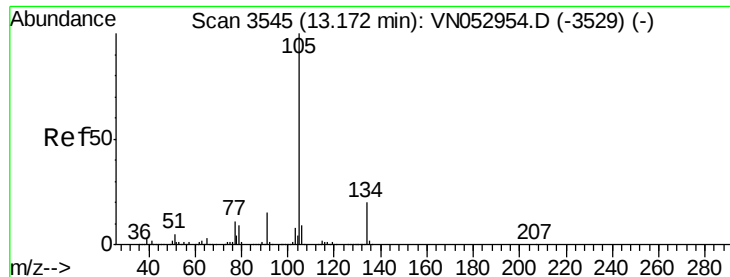
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.351 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion:105 Resp: 2029613
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





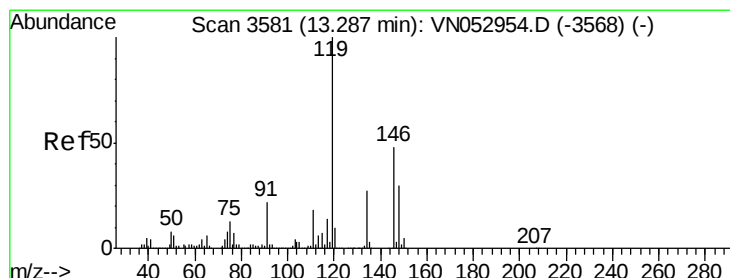
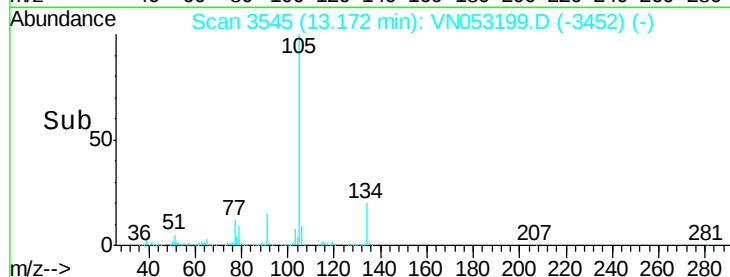
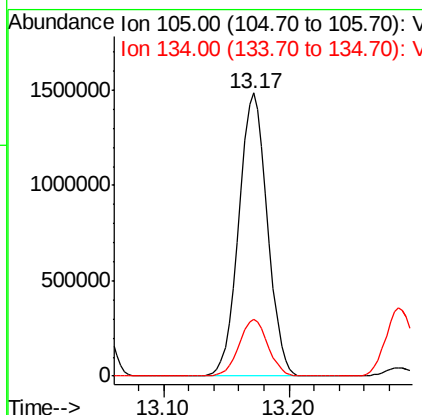
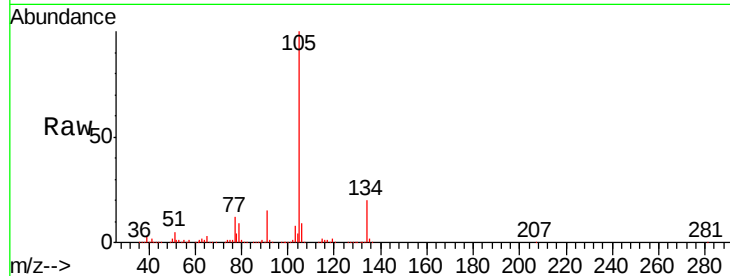
#85
 sec-Butylbenzene
 Concen: 50.757 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2341657
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3

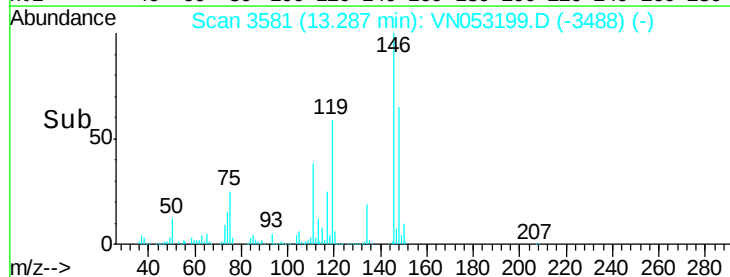
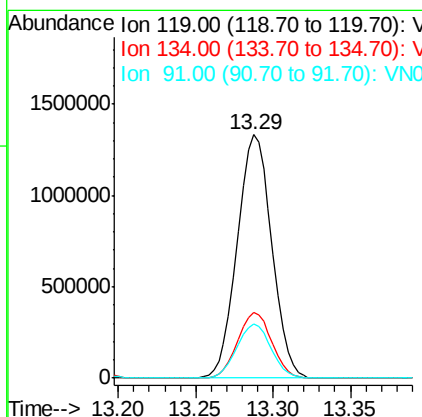
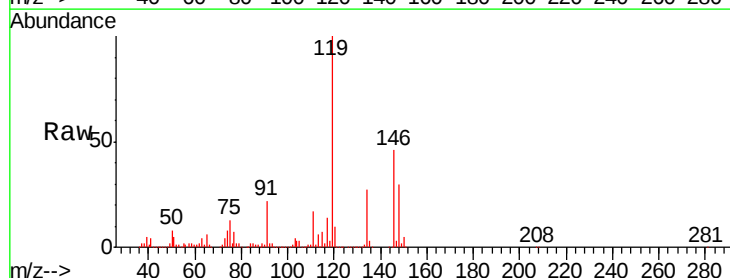
Manual Integrations
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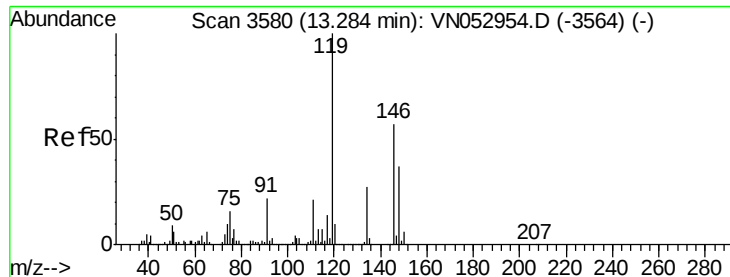
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#86
 p-Isopropyltoluene
 Concen: 51.678 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion:119 Resp: 2060084
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 51.822 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 1128069

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

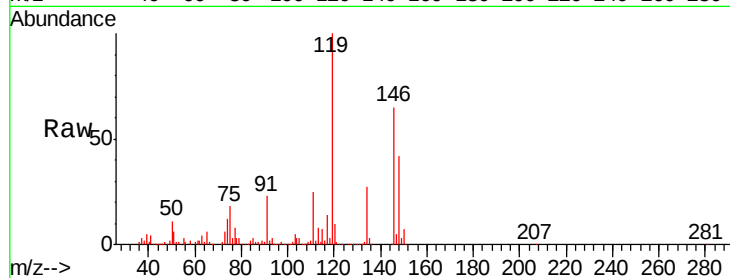
148 64.3 32.0 96.0

Manual Integrations

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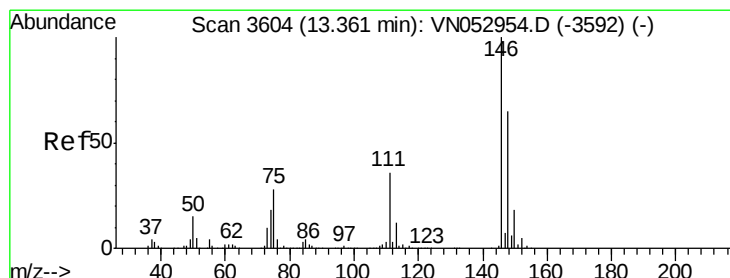
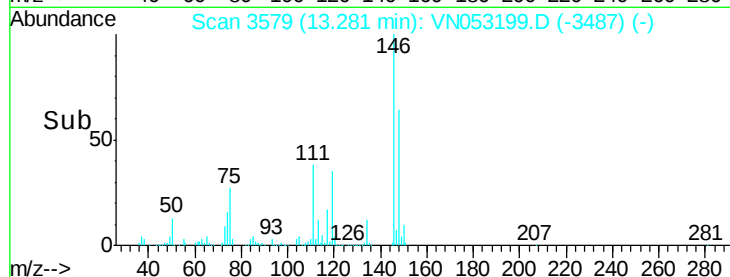
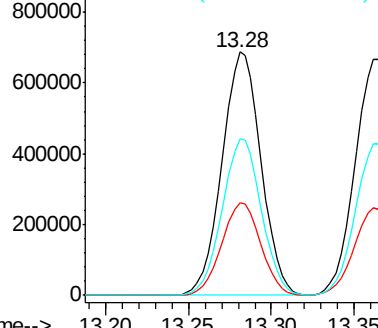
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.654 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

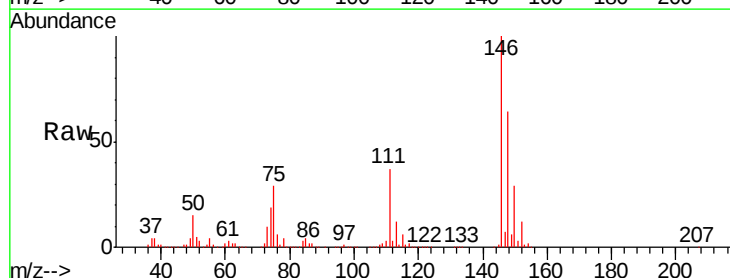
Tgt Ion:146 Resp: 1116638

Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.8

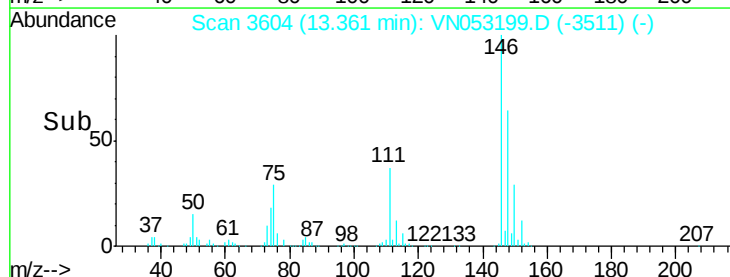
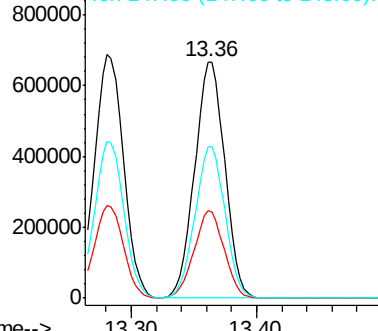
148 63.7 32.1 96.5

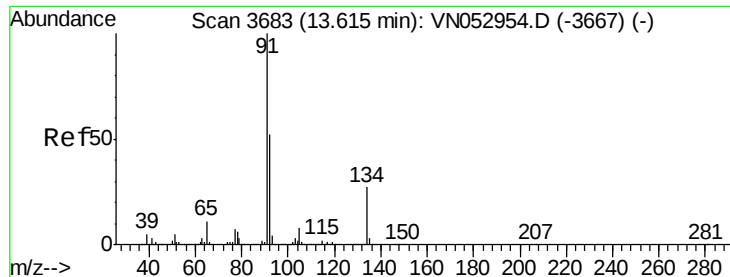


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.538 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053199.D

Acq: 27 Dec 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1733226

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

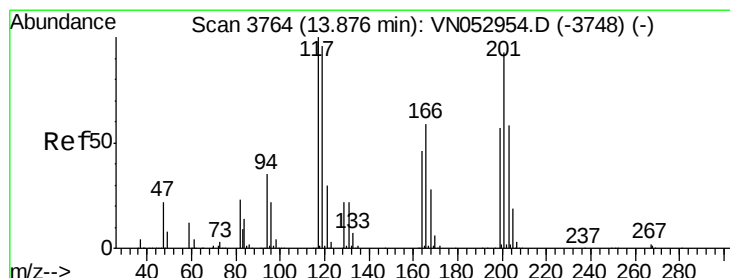
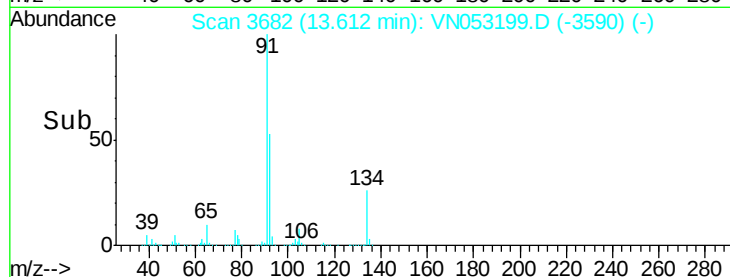
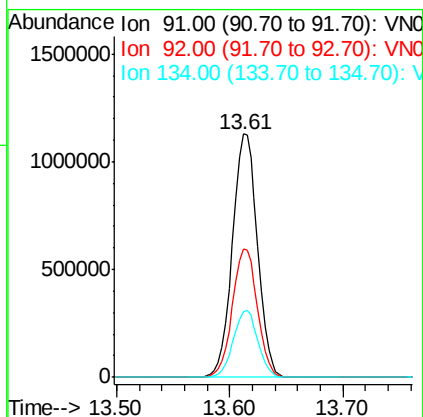
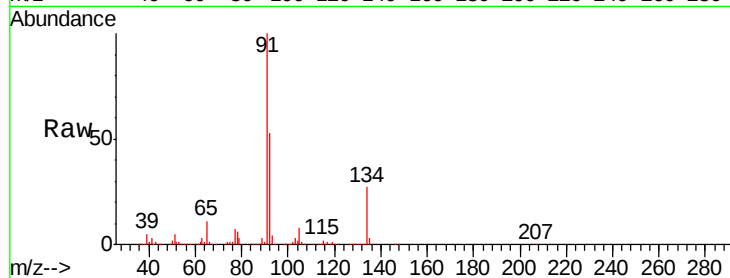
134 26.9 13.3 39.8

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#90

Hexachloroethane

Concen: 52.901 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053199.D

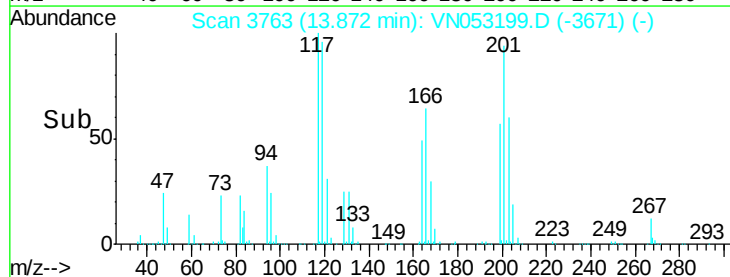
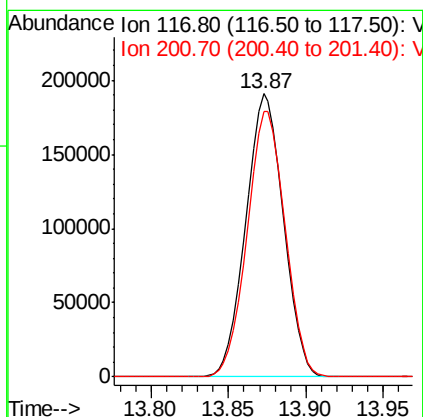
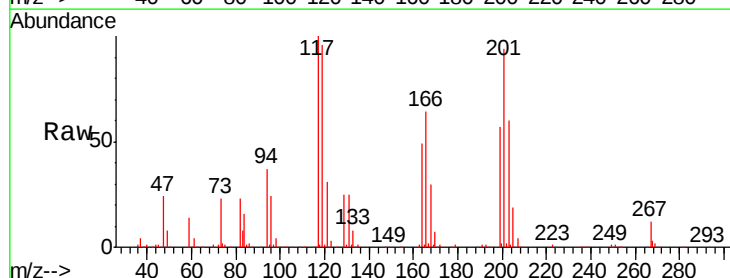
Acq: 27 Dec 2018 8:59

Tgt Ion: 117 Resp: 323621

Ion Ratio Lower Upper

117 100

201 94.7 45.7 137.1





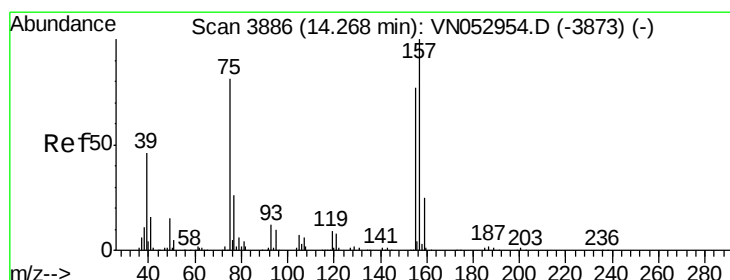
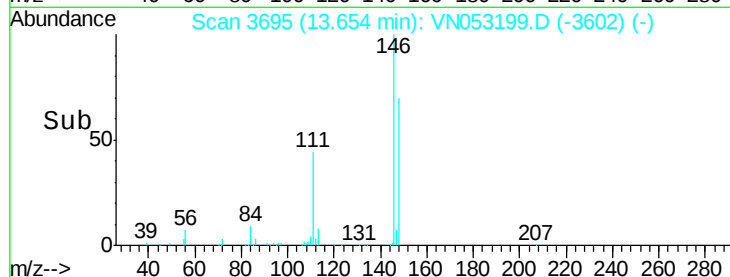
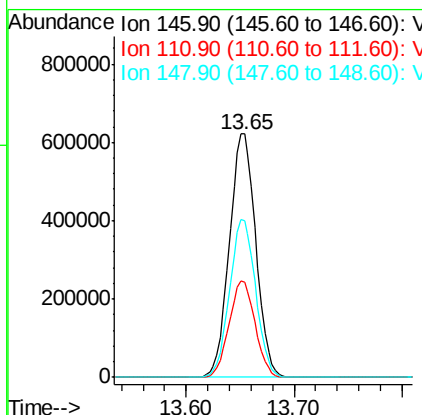
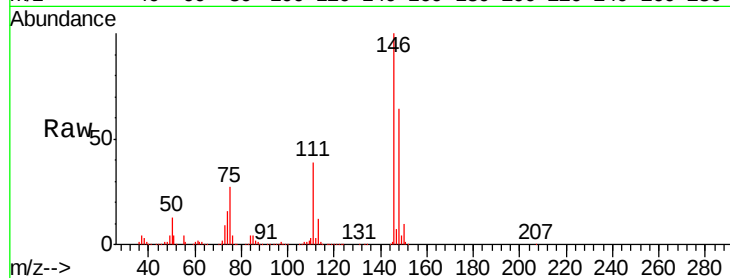
#91
 1,2-Dichlorobenzene
 Concen: 51.752 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.0	32.0	96.0

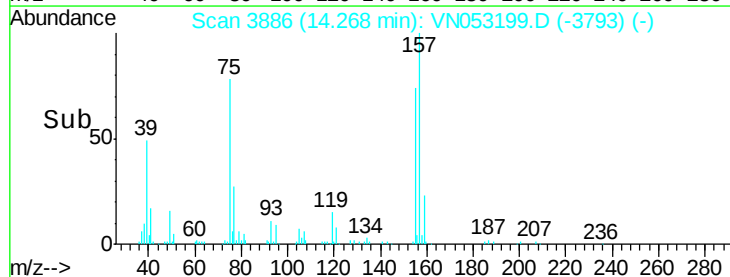
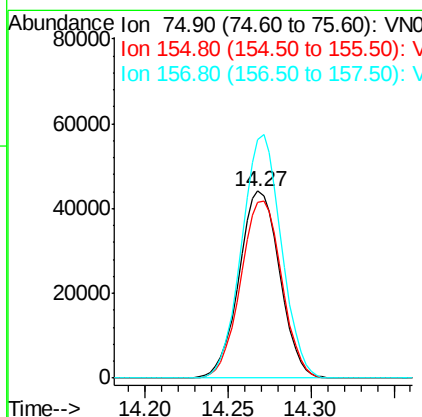
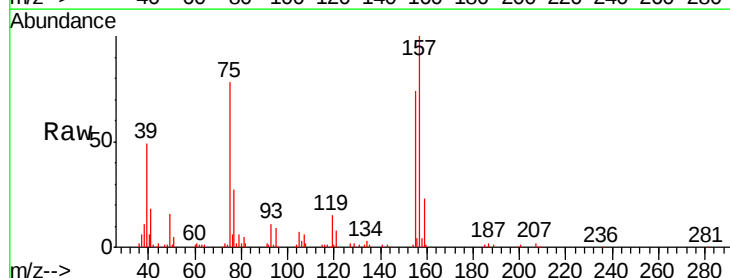
Manual Integrations
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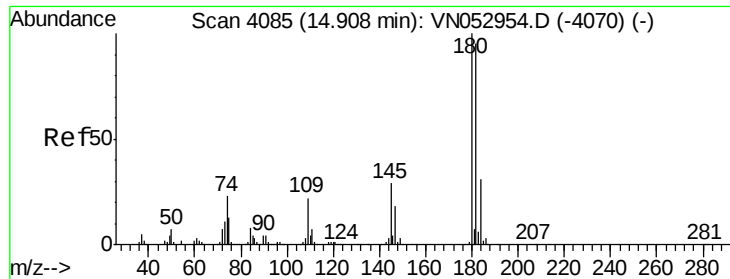
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.098 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.2	144.6
157	126.4	61.2	183.5





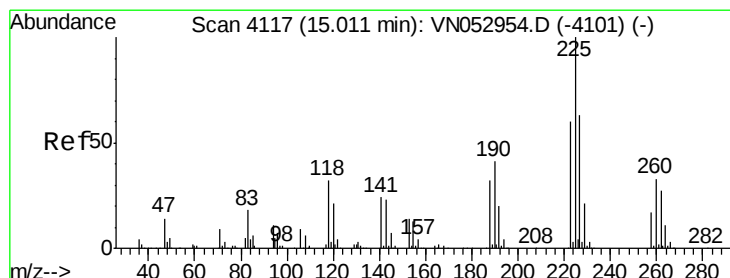
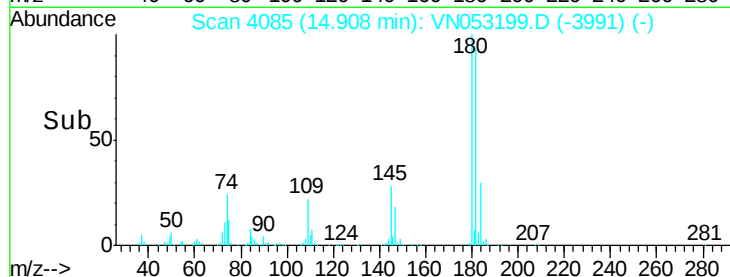
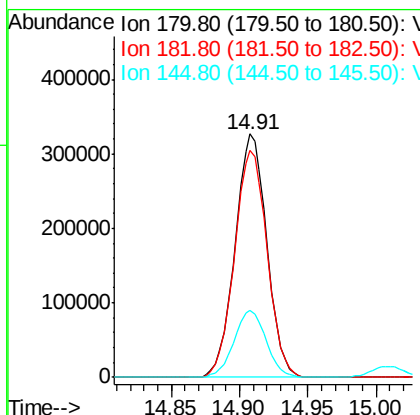
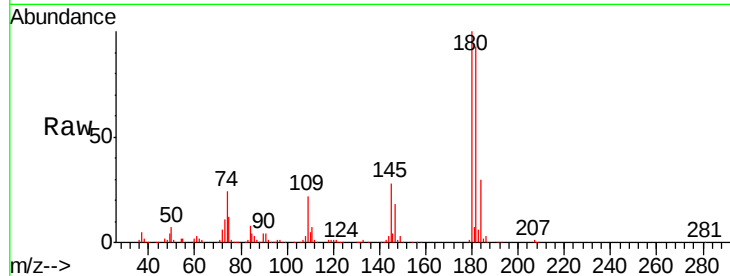
#93
 1,2,4-Trichlorobenzene
 Concen: 48.481 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	526016		
182	95.8	47.8	143.3	
145	27.9	14.2	42.6	

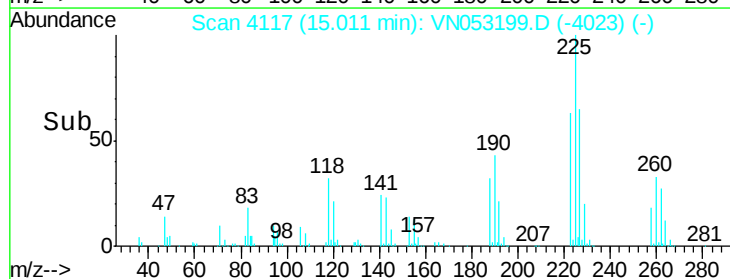
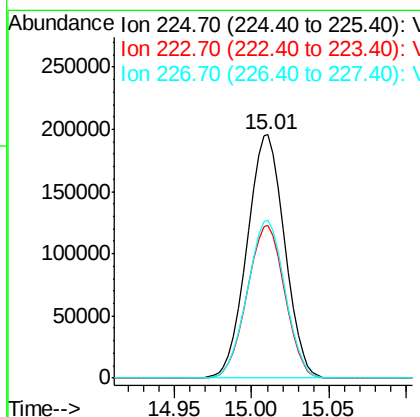
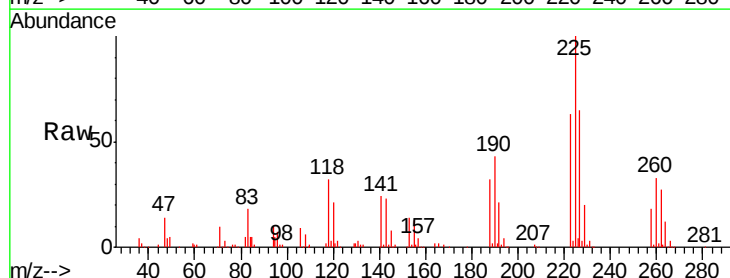
Manual Integrations
 APPROVED

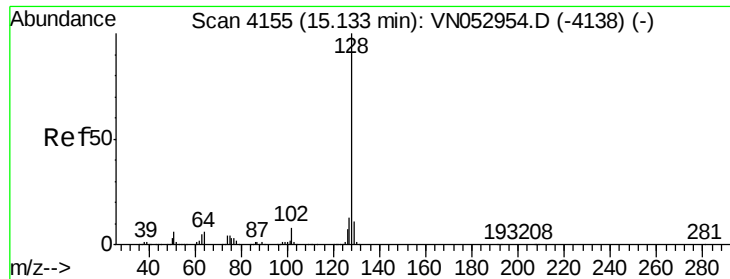
MMDadoda
 12/28/2018 10:14:38 AM



#94
 Hexachlorobutadiene
 Concen: 59.458 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053199.D
 Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	331102		
223	63.0	31.5	94.5	
227	65.2	31.9	95.7	





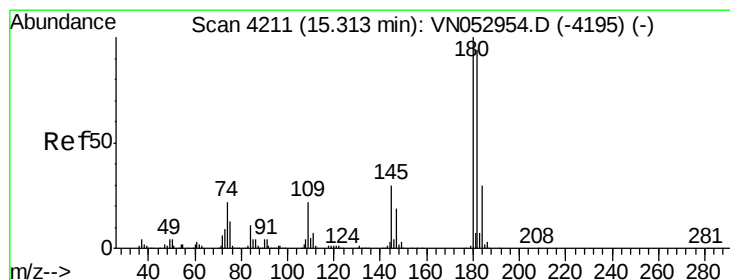
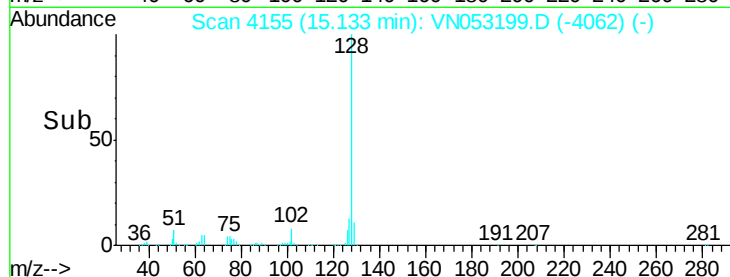
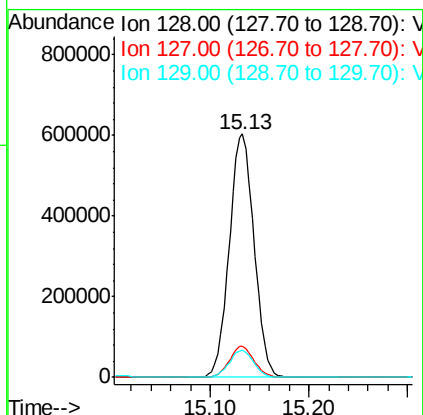
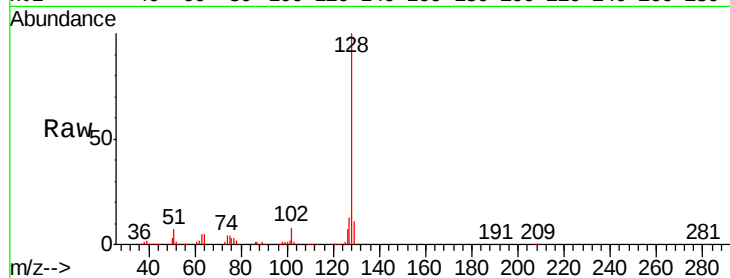
#95
Naphthalene
Concen: 44.655 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/28/2018 10:14:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.363 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053199.D
Acq: 27 Dec 2018 8:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	29.8	15.0	45.0

