

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN121718\
 Data File : VN052918.D
 Acq On : 17 Dec 2018 11:10
 Operator : MD\SY
 Sample : VN1217WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:04 PM

Quant Time: Dec 18 05:05:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1269541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1962547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1738972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	767470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	685011	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	472479	43.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.26%	
50) Toluene-d8	10.09	98	2465576	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.40	95	831779	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	269553	20.626	ug/l	99
3) Chloromethane	2.06	50	320972	20.464	ug/l	99
4) Vinyl Chloride	2.19	62	327743	20.886	ug/l	100
5) Bromomethane	2.58	94	198283	20.487	ug/l	99
6) Chloroethane	2.71	64	189800	20.463	ug/l	100
7) Trichlorofluoromethane	3.03	101	404992	20.817	ug/l	98
8) Diethyl Ether	3.41	74	150987	21.276	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	253273	21.006	ug/l	100
10) Methyl Iodide	3.96	142	345369	20.453	ug/l	100
11) Tert butyl alcohol	4.77	59	73852	97.914	ug/l #	74
12) 1,1-Dichloroethene	3.74	96	242652	20.789	ug/l	96
13) Acrolein	3.61	56	21322	30.025	ug/l	93
14) Allyl chloride	4.33	41	420152	22.038	ug/l	95
15) Acrylonitrile	4.99	53	429250	101.443	ug/l	99
16) Acetone	3.82	43	229607	75.734	ug/l	97
17) Carbon Disulfide	4.06	76	749759	20.910	ug/l	99
18) Methyl Acetate	4.32	43	224206	20.151	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	660284	20.838	ug/l	98
20) Methylene Chloride	4.56	84	279181	20.462	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	258276	20.424	ug/l	99
22) Diisopropyl ether	5.95	45	863778	21.238	ug/l	100
23) Vinyl Acetate	5.90	43	2416668	99.857	ug/l	100
24) 1,1-Dichloroethane	5.85	63	495652	21.133	ug/l	99
25) 2-Butanone	6.83	43	424416	90.221	ug/l	100
26) 2,2-Dichloropropane	6.83	77	371892	21.531	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	296857	20.684	ug/l	99
28) Bromochloromethane	7.20	49	228580	21.703	ug/l	99
29) Tetrahydrofuran	7.21	42	324248	100.965	ug/l	99
30) Chloroform	7.37	83	481804	21.066	ug/l	100
31) Cyclohexane	7.66	56	478309	20.568	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	399981	20.902	ug/l	98
36) 1,1-Dichloropropene	7.79	75	371772	20.571	ug/l	99
37) Ethyl Acetate	6.93	43	215932	19.889	ug/l	99
38) Carbon Tetrachloride	7.78	117	357497	21.491	ug/l	99

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Manual Integrations
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MMDadoda
 12/18/2018 1:33:04 PM

Quant Time: Dec 18 05:05:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	450554	20.315	ug/l	99
40) Benzene	8.04	78	1130201	20.836	ug/l	100
41) Methacrylonitrile	7.17	41	118701	19.733	ug/l	99
42) 1,2-Dichloroethane	8.12	62	337035	20.639	ug/l	100
43) Isopropyl Acetate	8.16	43	404291	18.163	ug/l	99
44) Trichloroethene	8.84	130	326601	22.292	ug/l	98
45) 1,2-Dichloropropane	9.12	63	297284	20.925	ug/l	98
46) Dibromomethane	9.21	93	169376	20.557	ug/l	99
47) Bromodichloromethane	9.40	83	369446	21.623	ug/l	99
48) Methyl methacrylate	9.20	41	200384	20.528	ug/l	99
49) 1,4-Dioxane	9.20	88	44611	402.613	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1041271	102.017	ug/l	100
52) Toluene	10.16	92	692819	21.089	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	372385	21.658	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	438735	21.414	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	241266	20.573	ug/l	98
56) Ethyl methacrylate	10.43	69	310825	20.653	ug/l	100
57) 1,3-Dichloropropane	10.71	76	419543	20.862	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	927432	110.439	ug/l	100
59) 2-Hexanone	10.75	43	671966	96.064	ug/l	100
60) Dibromochloromethane	10.90	129	277380	21.885	ug/l	99
61) 1,2-Dibromoethane	11.01	107	243325	20.991	ug/l	99
64) Tetrachloroethene	10.63	164	395525	26.464	ug/l	99
65) Chlorobenzene	11.43	112	753938	20.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	272872	21.747	ug/l	99
67) Ethyl Benzene	11.51	91	1331072	21.484	ug/l	99
68) m/p-Xylenes	11.62	106	997140	42.862	ug/l	99
69) o-Xylene	11.95	106	479780	21.120	ug/l	98
70) Styrene	11.96	104	787671	21.569	ug/l	99
71) Bromoform	12.13	173	188392	22.101	ug/l #	98
73) Isopropylbenzene	12.25	105	1280621	22.349	ug/l	100
74) N-amyl acetate	12.07	43	339918	21.607	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	225650	17.571	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	235834m	20.828	ug/l	
77) Bromobenzene	12.53	156	321835	22.082	ug/l	98
78) n-propylbenzene	12.59	91	1441014	22.050	ug/l	99
79) 2-Chlorotoluene	12.67	91	846147	21.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1001118	21.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80283	22.777	ug/l #	81
82) 4-Chlorotoluene	12.77	91	852145	21.572	ug/l	100
83) tert-Butylbenzene	12.99	119	891727	21.853	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1012197	21.615	ug/l	100
85) sec-Butylbenzene	13.17	105	1205400	21.813	ug/l	100
86) p-Isopropyltoluene	13.29	119	1024667	21.402	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	538981	20.810	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	531920	20.738	ug/l	99
89) n-Butylbenzene	13.62	91	841568	20.880	ug/l	100
90) Hexachloroethane	13.88	117	160402	20.008	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	502294	20.161	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38632	19.956	ug/l	97

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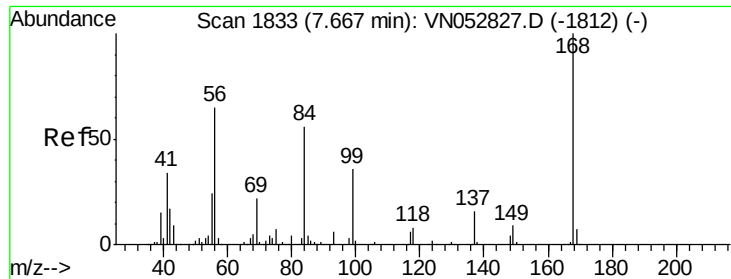
Manual Integrations
APPROVED

MMDadoda
12/18/2018 1:33:04 PM

Quant Time: Dec 18 05:05:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	252562	18.649	ug/l	99
94) Hexachlorobutadiene	15.01	225	146073	18.634	ug/l	99
95) Naphthalene	15.13	128	532261	18.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	227044	18.271	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion:168 Resp: 1269541

Ion Ratio Lower Upper

168 100

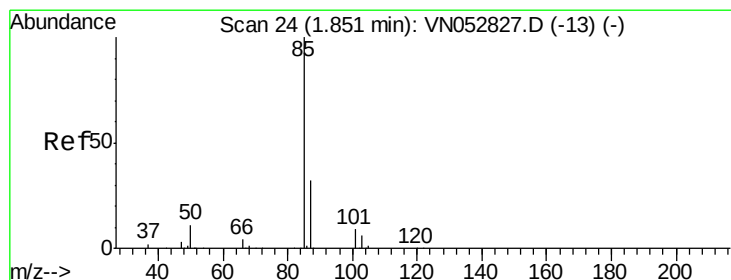
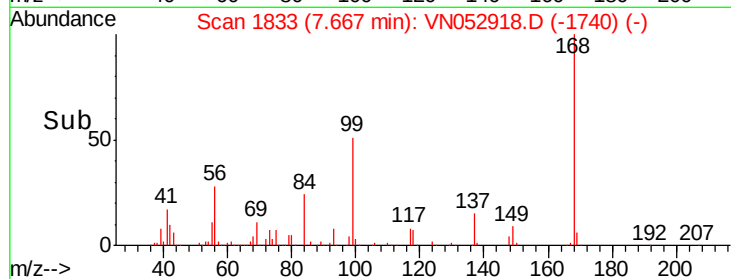
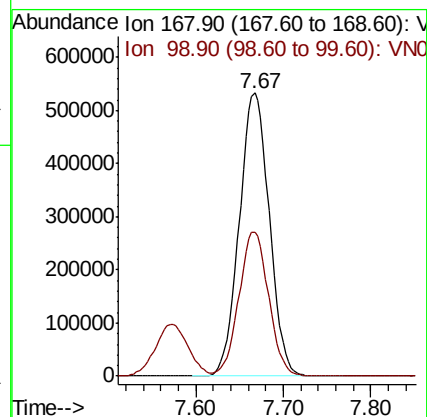
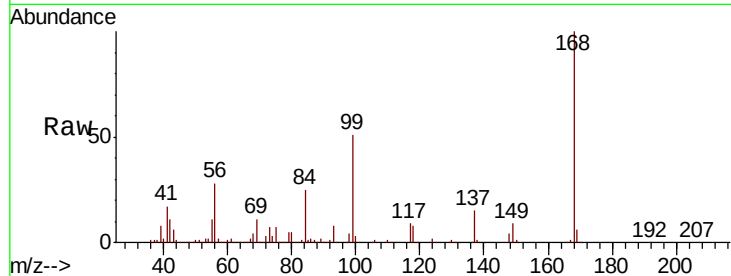
99 50.9 40.2 60.2

Manual Integrations

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12/18/2018 1:33:04 PM



#2

Dichlorodifluoromethane

Concen: 20.626 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052918.D

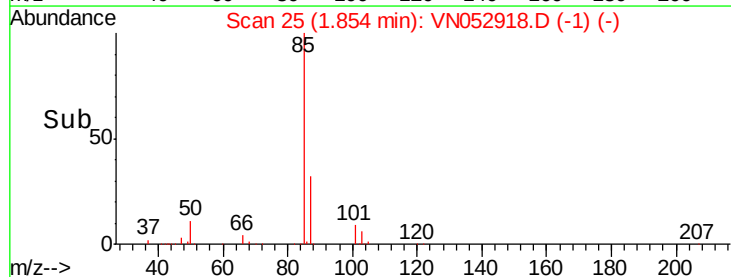
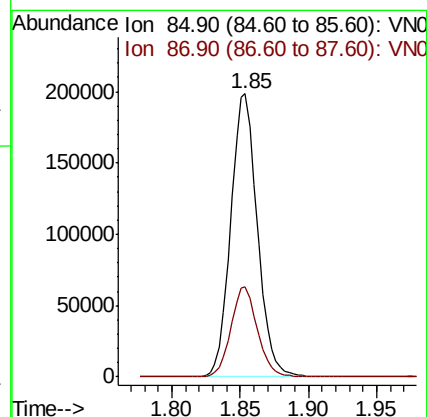
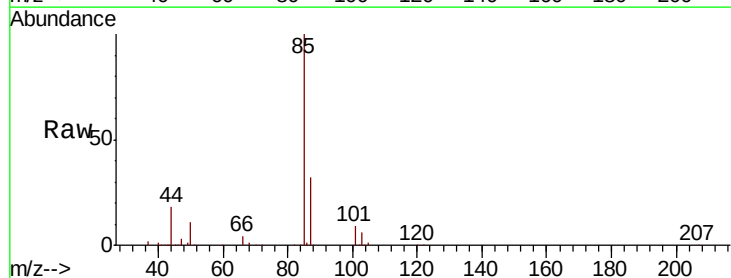
Acq: 17 Dec 2018 11:10

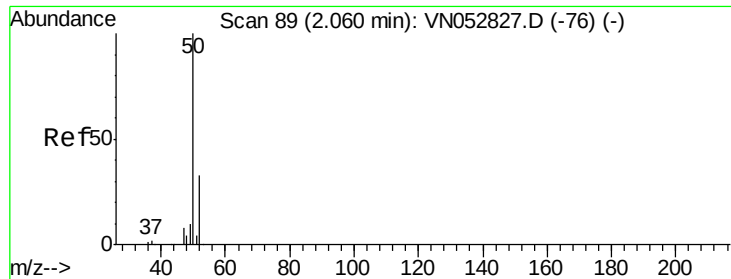
Tgt Ion: 85 Resp: 269553

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8





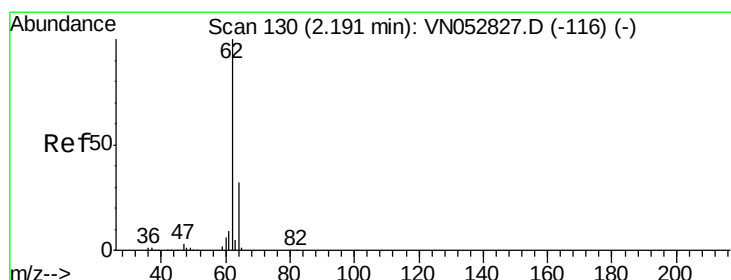
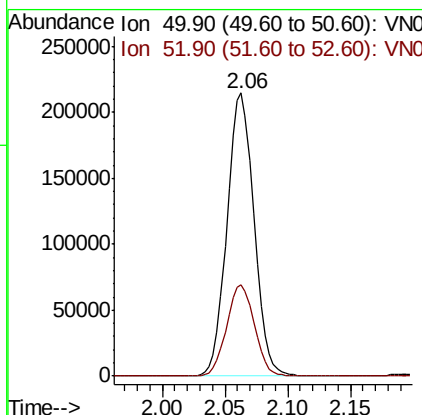
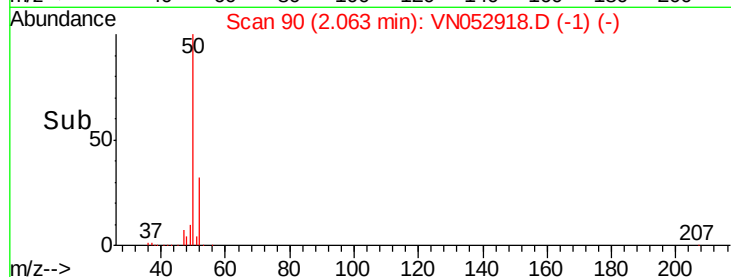
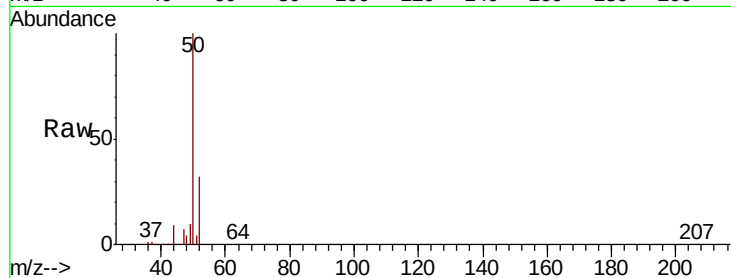
#3
Chloromethane
Concen: 20.464 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.2	39.4

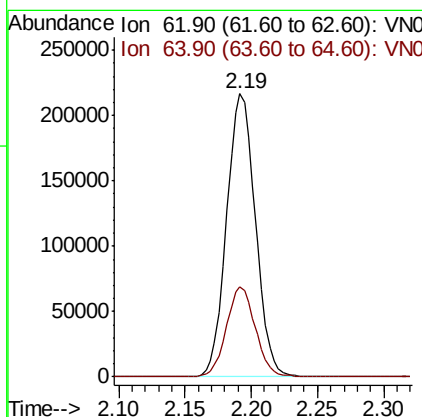
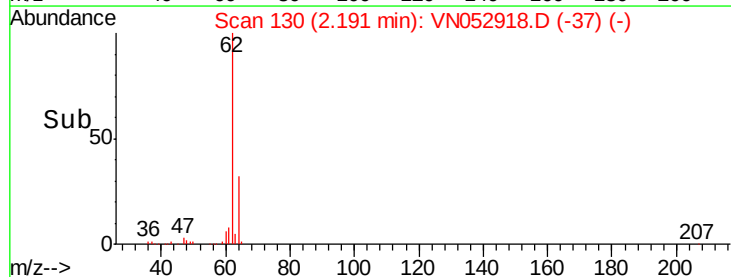
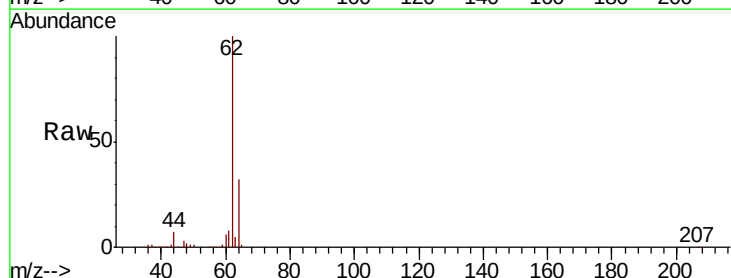
Manual Integrations
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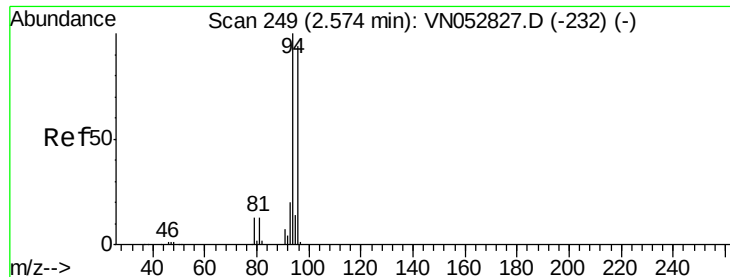
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12/18/2018 1:33:04 PM



#4
Vinyl Chloride
Concen: 20.886 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.5	38.3





#5

Bromomethane

Concen: 20.487 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 94 Resp: 198283

Ion Ratio Lower Upper

94 100

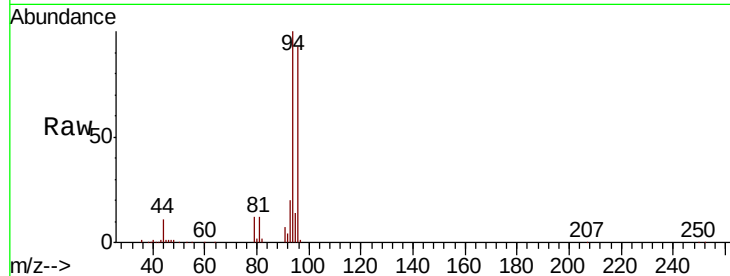
96 92.5 75.0 112.4

Manual Integrations

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12/18/2018 1:33:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

120000

100000

80000

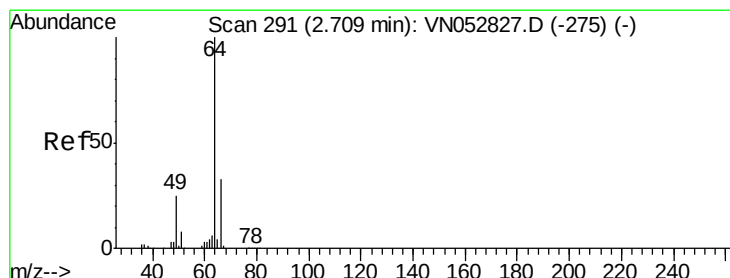
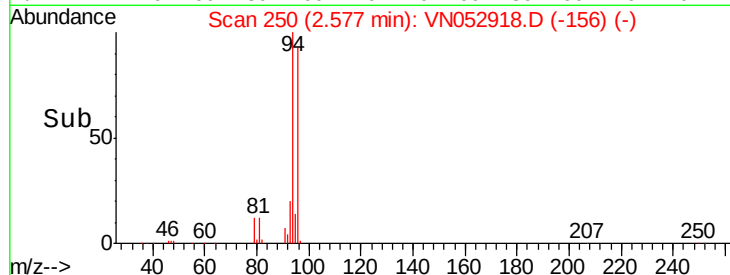
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.463 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052918.D

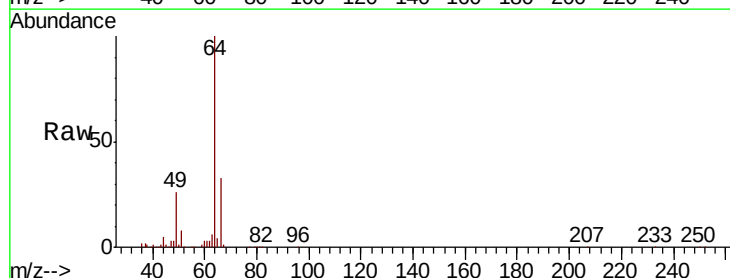
Acq: 17 Dec 2018 11:10

Tgt Ion: 64 Resp: 189800

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

120000

100000

80000

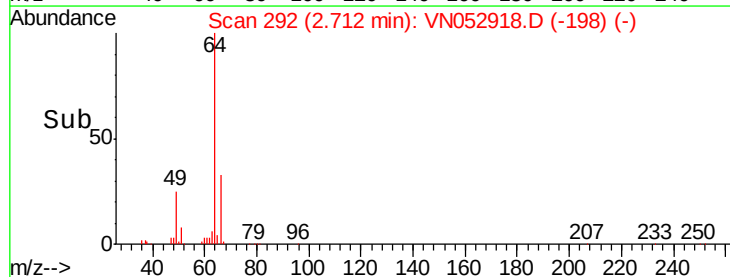
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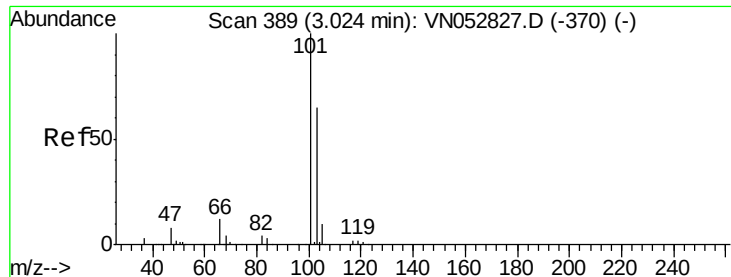
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20000

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Time-->





#7

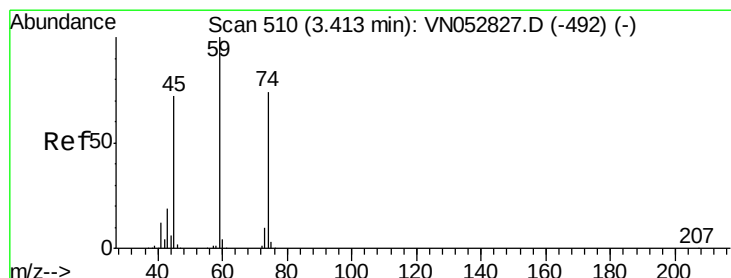
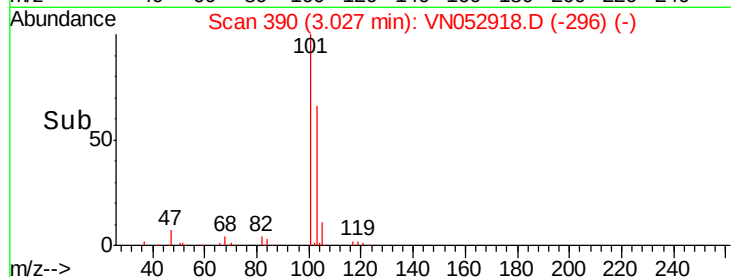
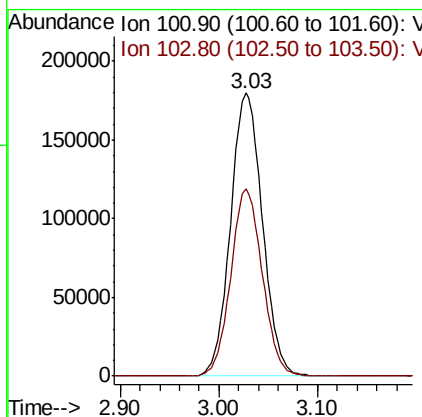
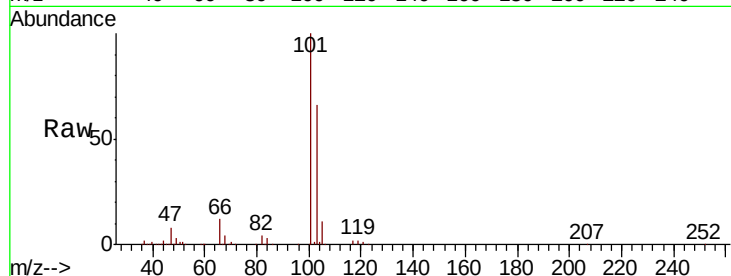
Trichlorofluoromethane
 Concen: 20.817 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
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 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.8	77.6

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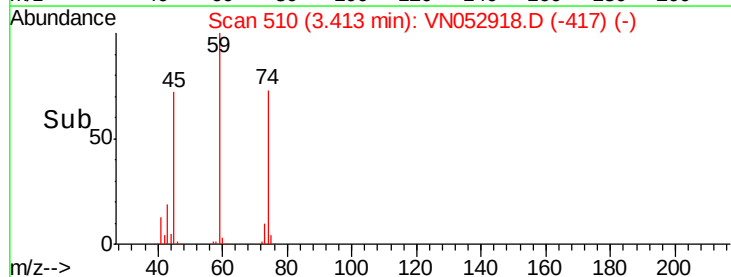
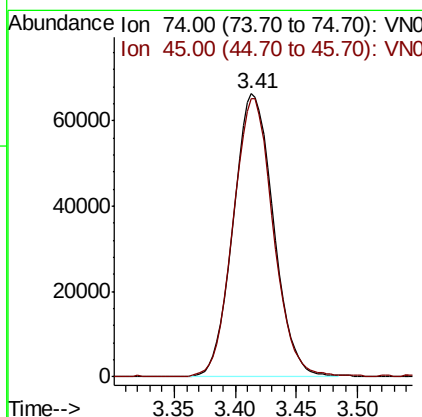
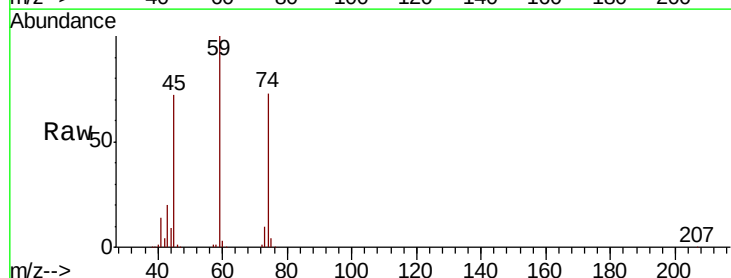
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 12/18/2018 1:33:04 PM

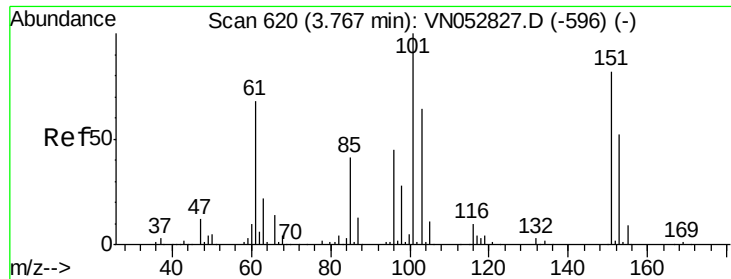


#8

Diethyl Ether
 Concen: 21.276 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	49.4	148.0





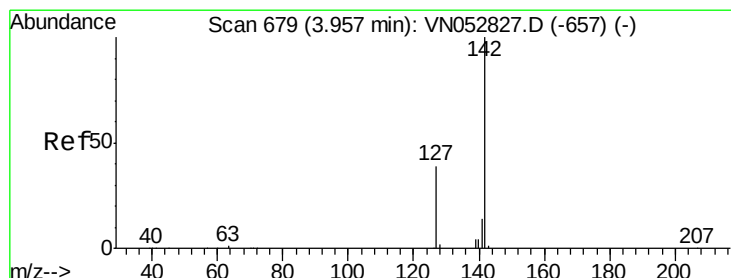
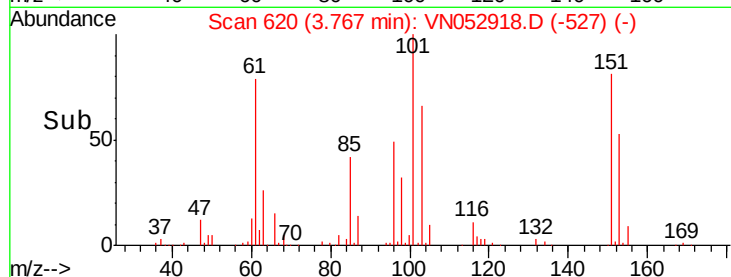
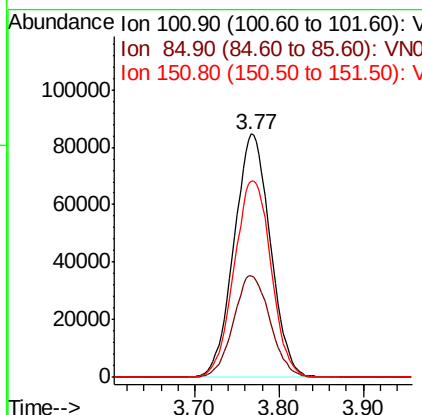
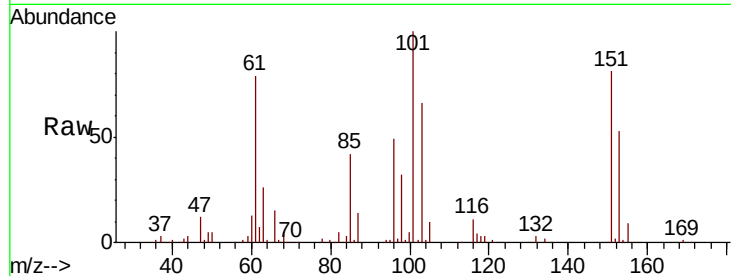
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.006 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	253273		
85	42.2	33.6	50.4	
151	82.2	65.5	98.3	

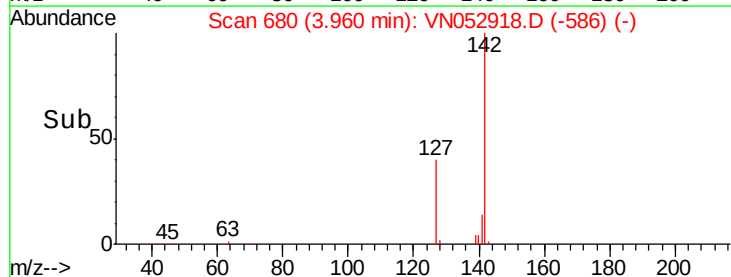
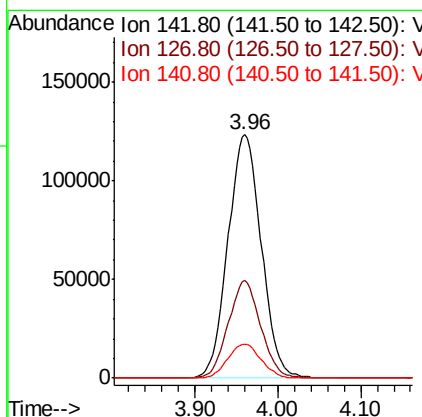
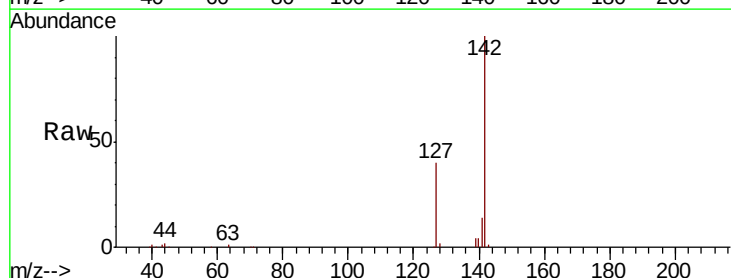
Manual Integrations
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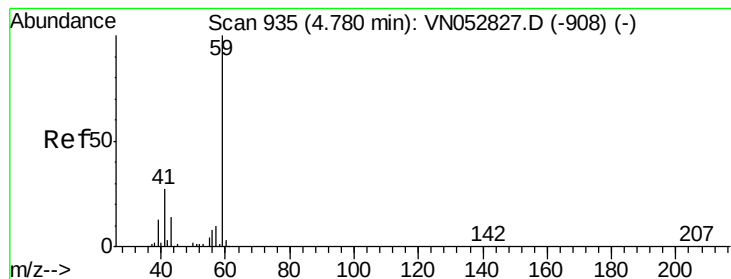
MMDadoda
 12/18/2018 1:33:04 PM



#10
 Methyl Iodide
 Concen: 20.453 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	345369		
127	39.0	31.0	46.6	
141	14.0	11.2	16.8	





#11

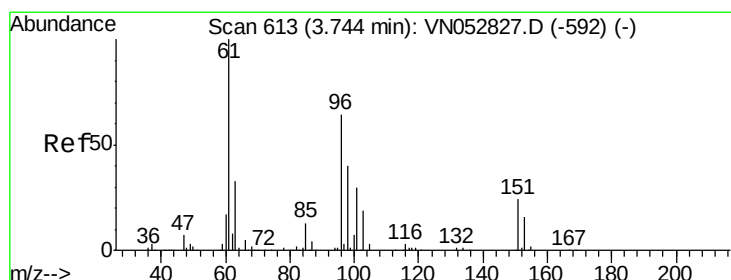
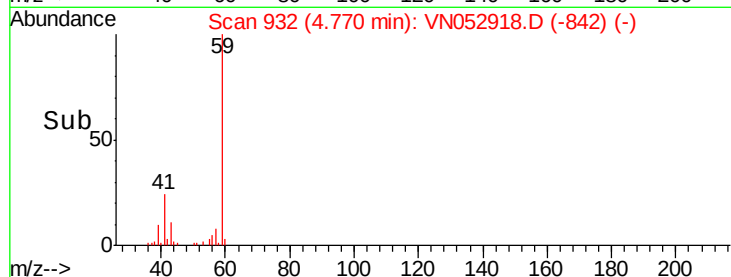
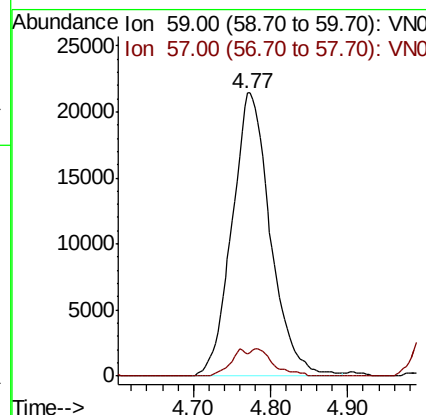
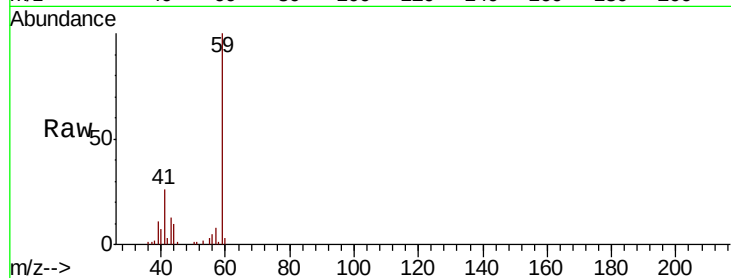
Tert butyl alcohol
 Concen: 97.914 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

Manual Integrations
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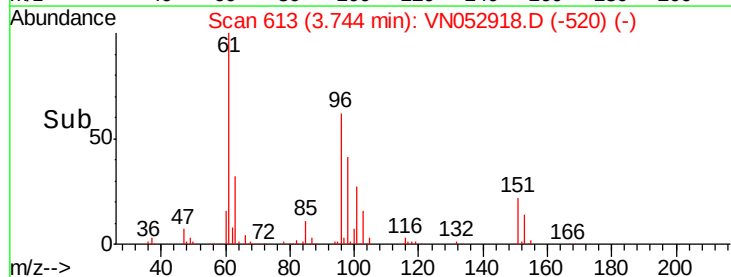
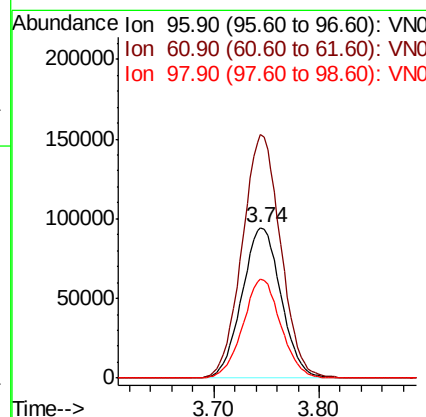
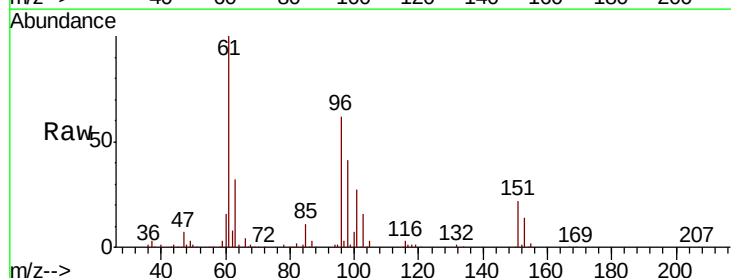
MMDadoda
 12/18/2018 1:33:04 PM

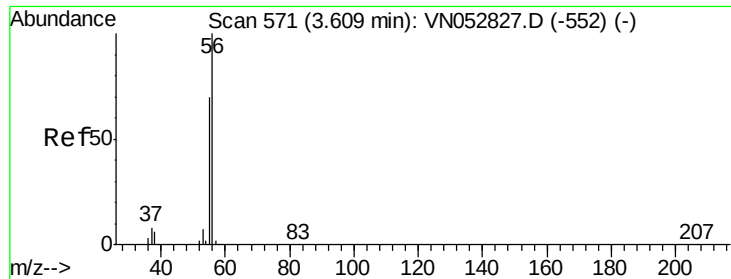


#12

1,1-Dichloroethene
 Concen: 20.789 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	125.6	188.4
98	65.6	50.6	75.8





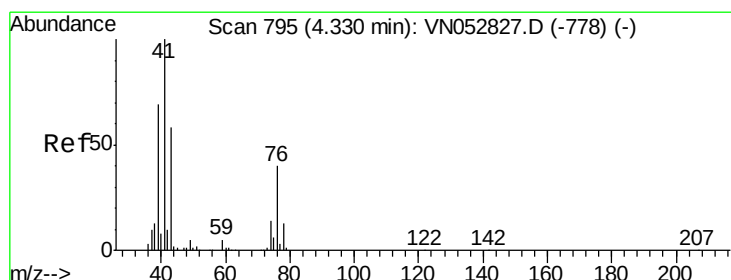
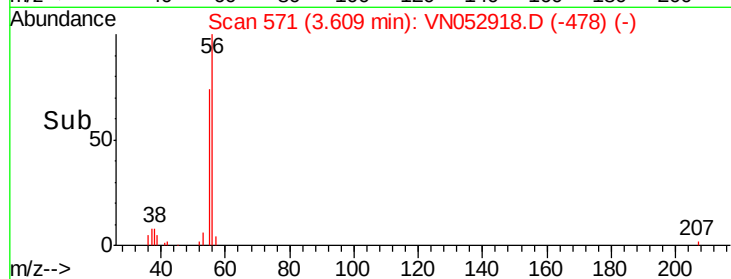
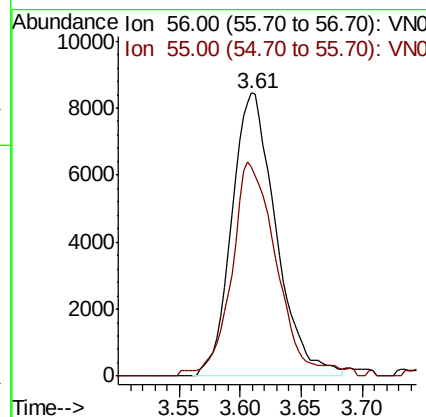
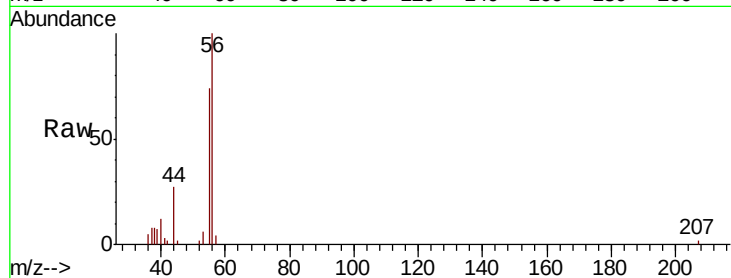
#13
Acrolein
Concen: 30.025 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	56	Resp	21322
Ion Ratio	Lower	Upper	
56	100		
55	76.3	56.6	85.0

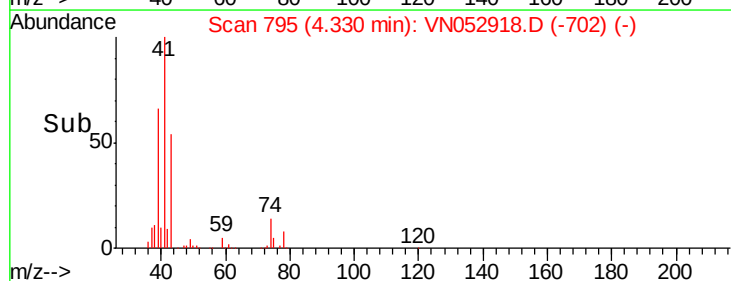
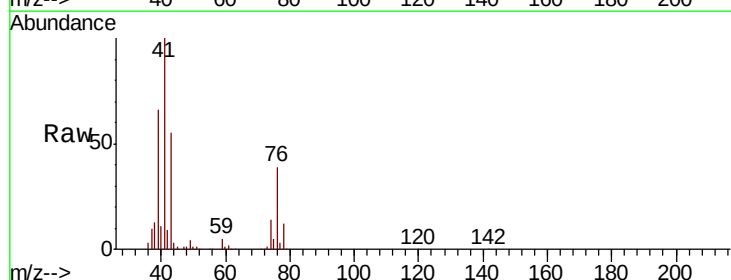
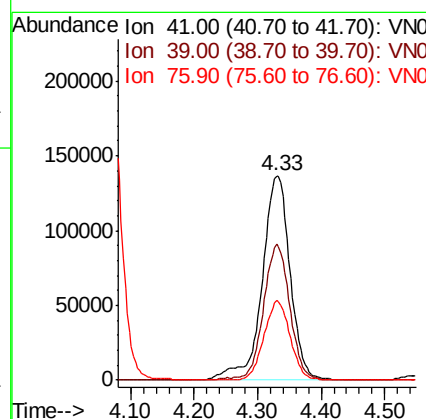
Manual Integrations
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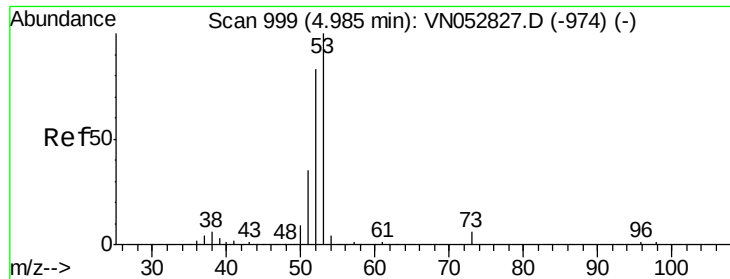
MMDadoda
12/18/2018 1:33:04 PM



#14
Allyl chloride
Concen: 22.038 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	41	Resp	420152
Ion Ratio	Lower	Upper	
41	100		
39	62.8	54.1	81.1
76	36.0	30.3	45.5





#15

Acrylonitrile

Concen: 101.443 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

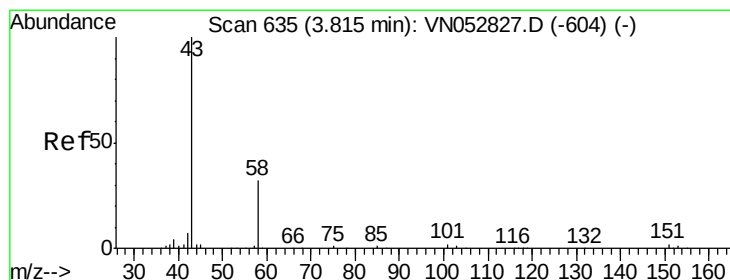
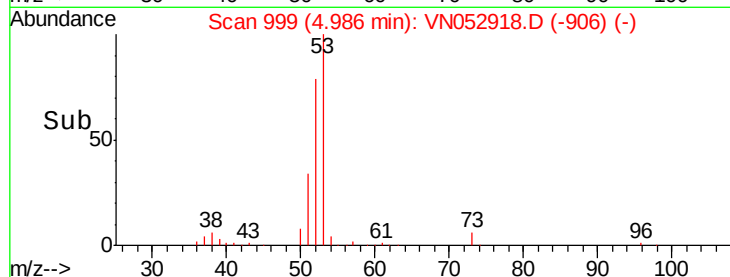
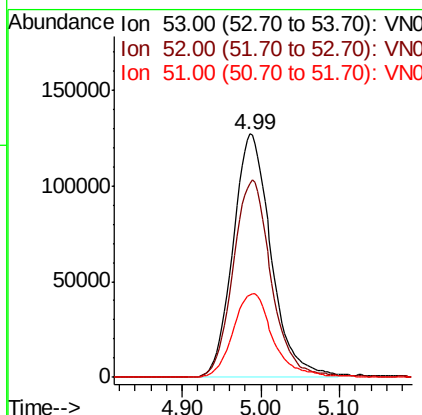
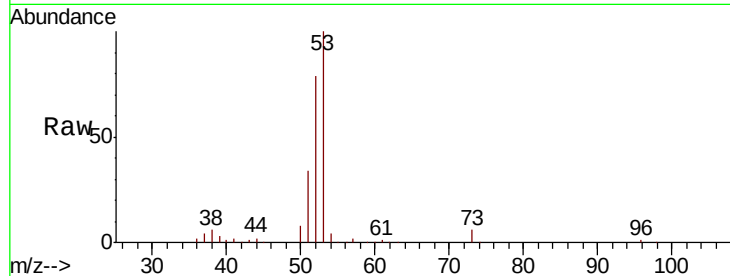
ClientSampleId :

VN1217WBS01

Tot Ion:	53	Resp:	429250
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	36.1	28.1	42.1

Manual Integrations
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12/18/2018 1:33:04 PM



#16

Acetone

Concen: 75.734 ug/l

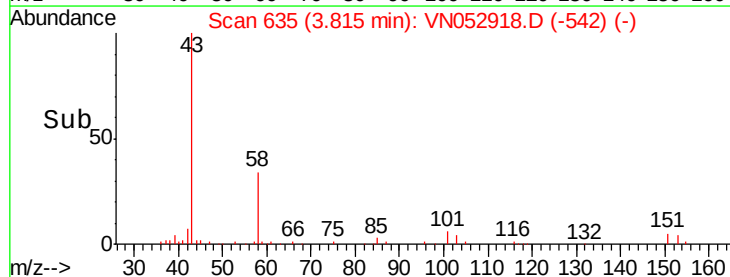
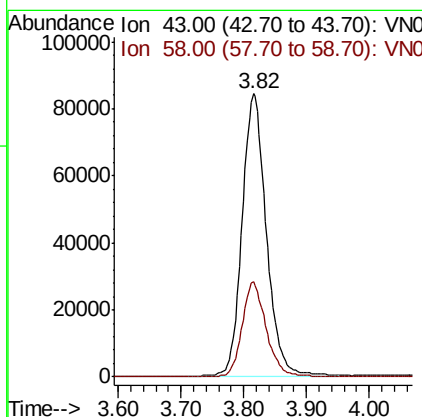
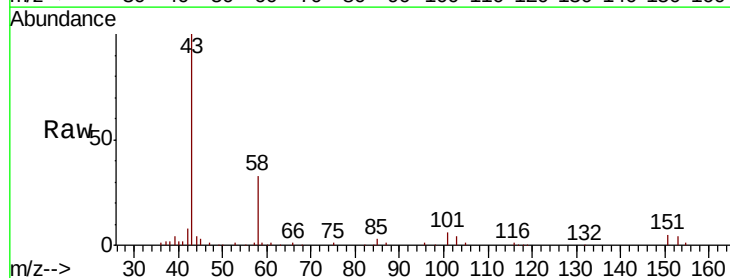
RT: 3.82 min Scan# 635

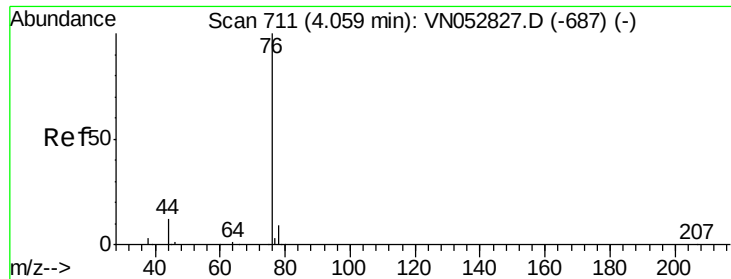
Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Tgt Ion:	43	Resp:	229607
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.4	38.0





#17

Carbon Disulfide

Concen: 20.910 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 76 Resp: 749759

Ion Ratio Lower Upper

76 100

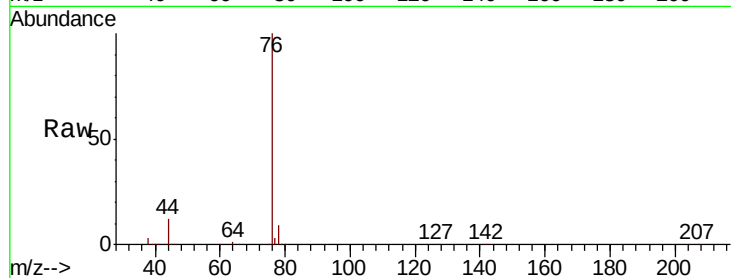
78 9.4 7.1 10.7

Manual Integrations

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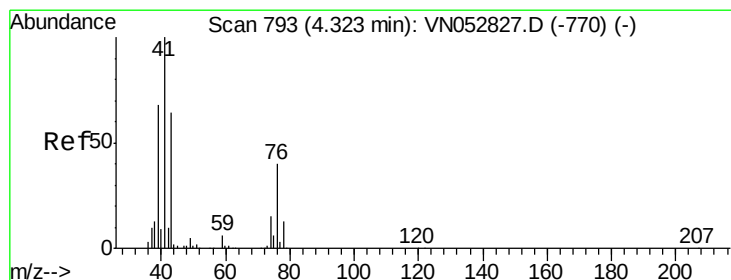
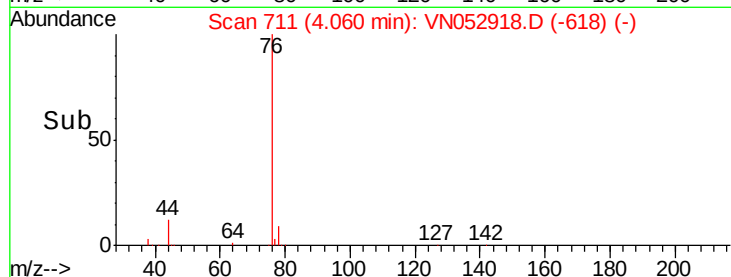
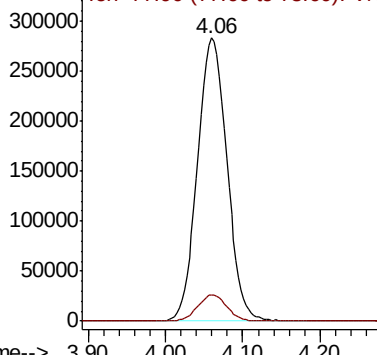
MMDadoda

12/18/2018 1:33:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.151 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052918.D

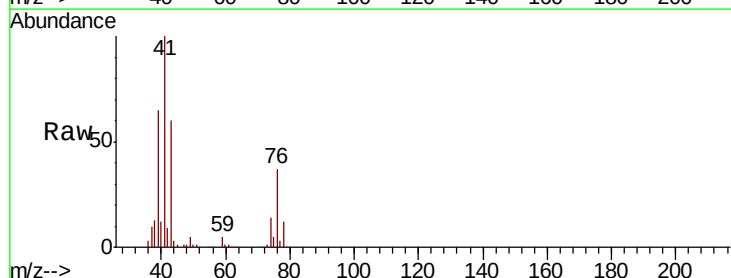
Acq: 17 Dec 2018 11:10

Tgt Ion: 43 Resp: 224206

Ion Ratio Lower Upper

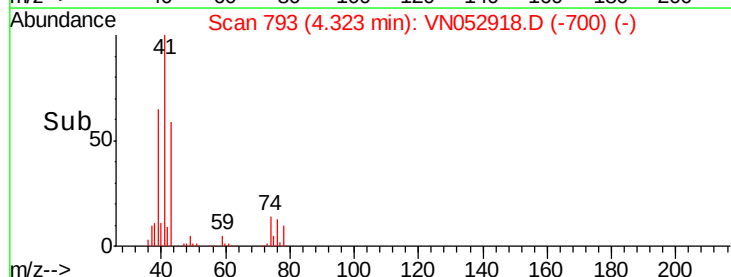
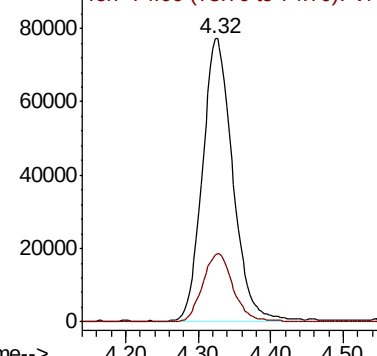
43 100

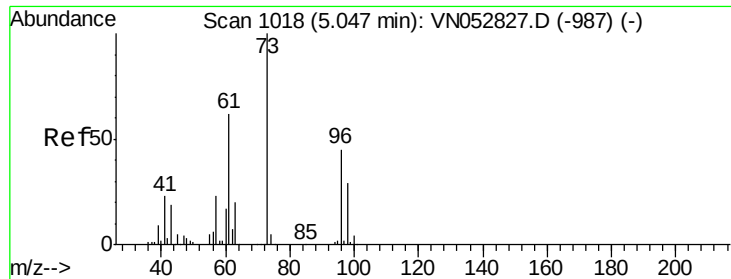
74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





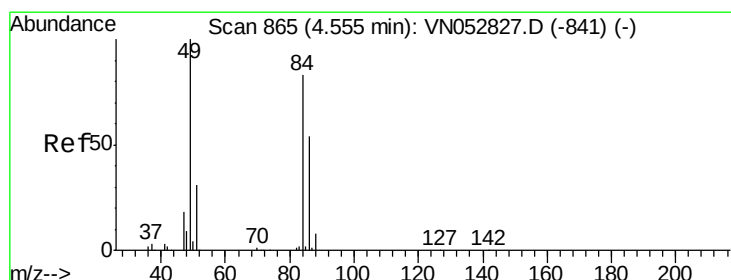
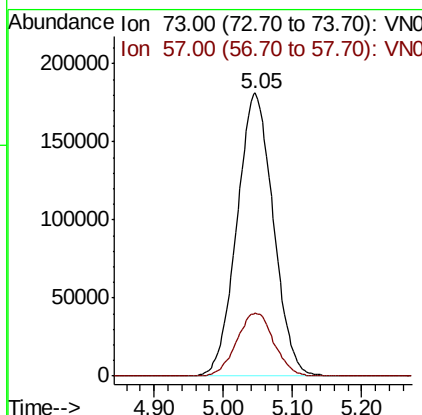
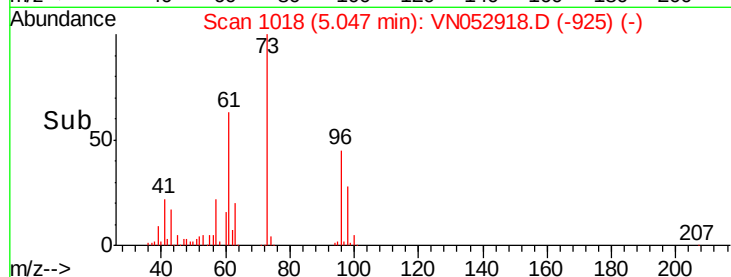
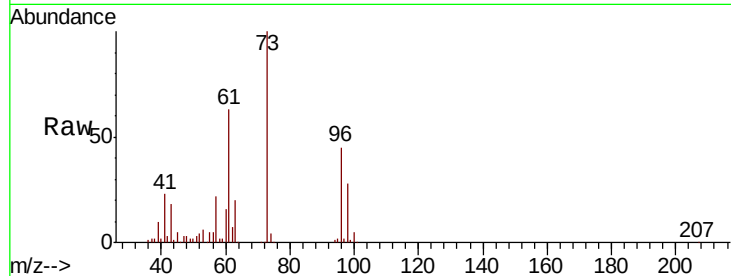
#19
Methvl tert-butvl Ether
Concen: 20.838 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 73 Resp: 660284
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

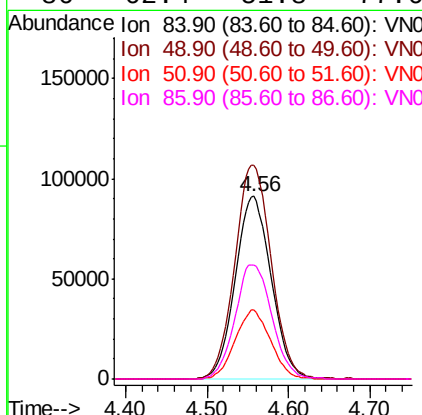
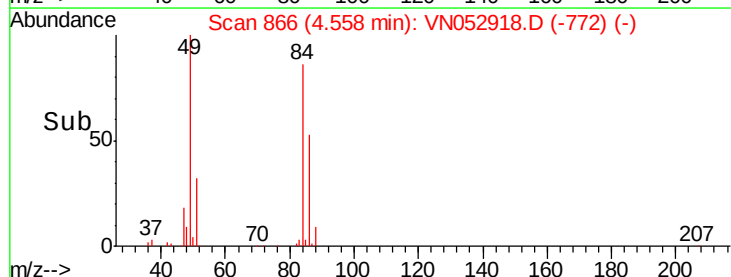
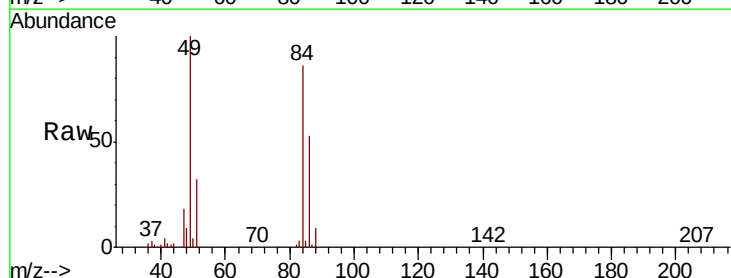
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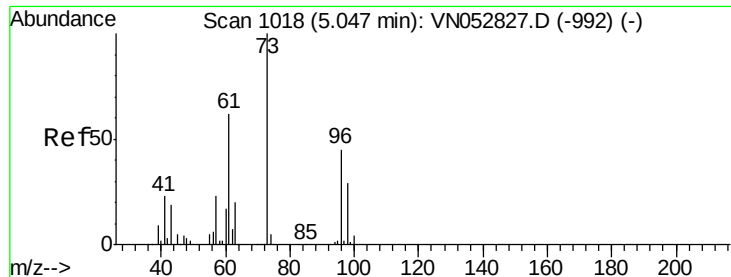
MMDadoda
12/18/2018 1:33:04 PM



#20
Methylene Chloride
Concen: 20.462 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion: 84 Resp: 279181
Ion Ratio Lower Upper
84 100
49 116.7 96.8 145.2
51 37.6 29.9 44.9
86 62.4 51.8 77.6





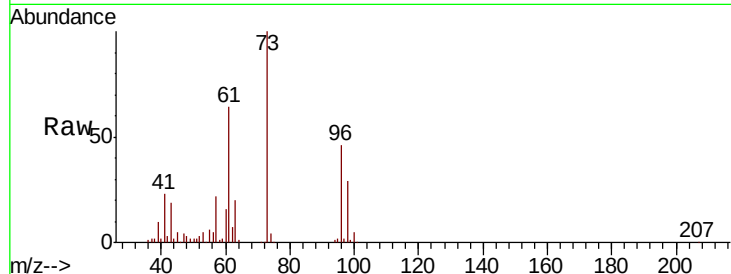
#21
trans-1,2-Dichloroethene
Concen: 20.424 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	110.8	166.2
98	62.4	51.4	77.2

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MMDadoda
12/18/2018 1:33:04 PM

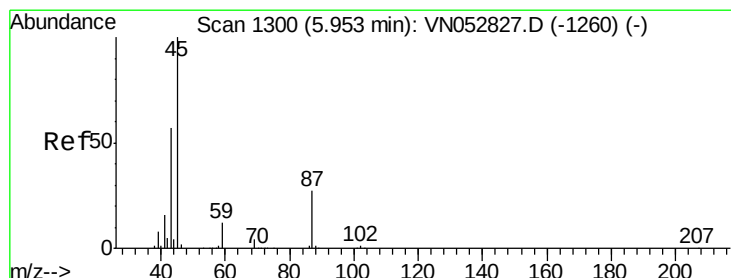
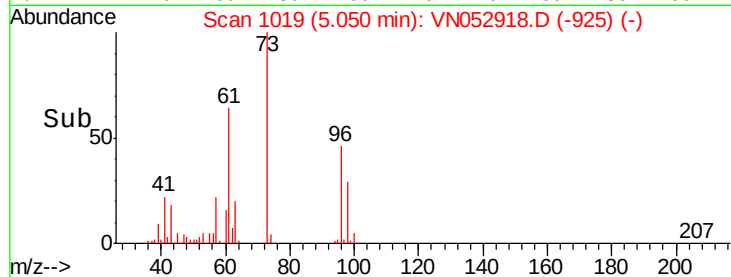
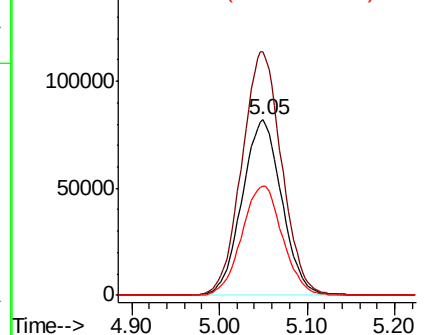


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 21.238 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.5	68.3
87	27.4	22.0	33.0
59	11.3	9.4	14.0

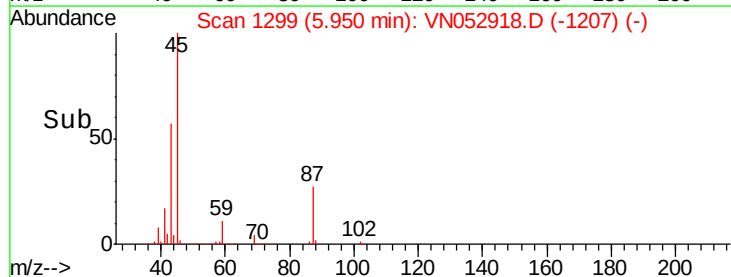
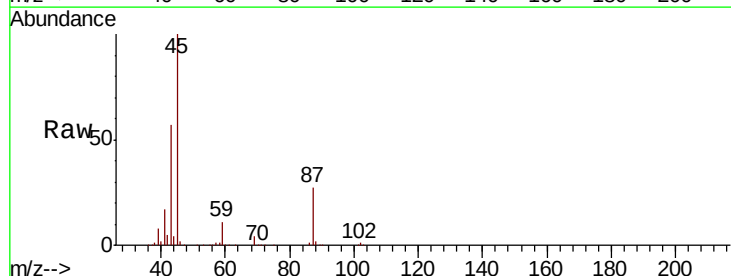
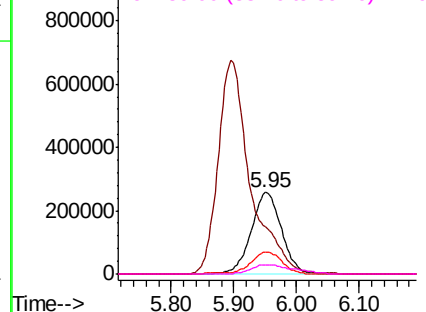
Abundance

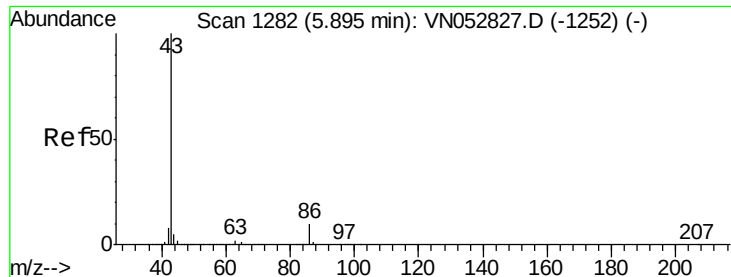
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 99.857 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 43 Resp: 2416668

Ion Ratio Lower Upper

43 100

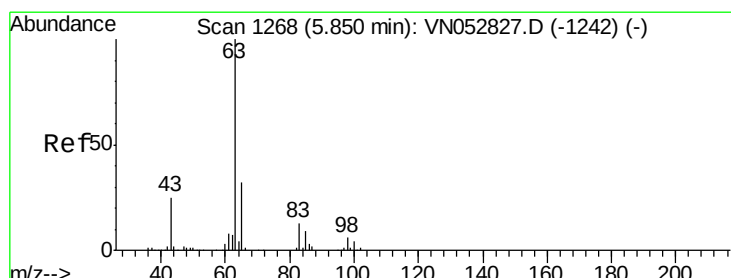
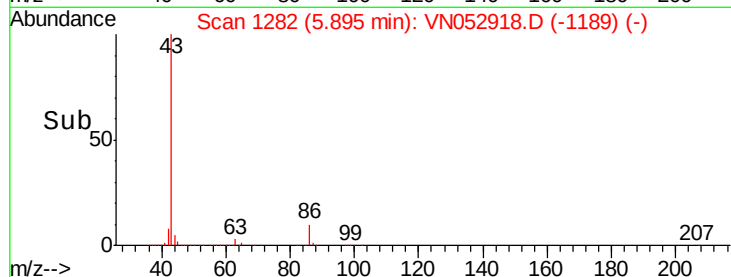
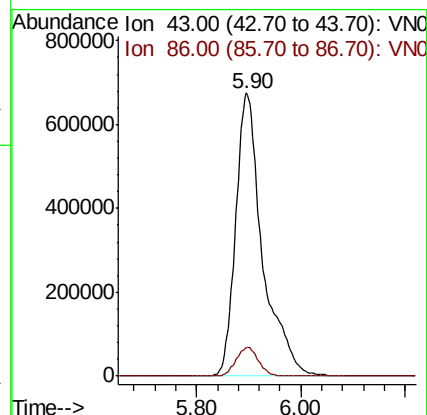
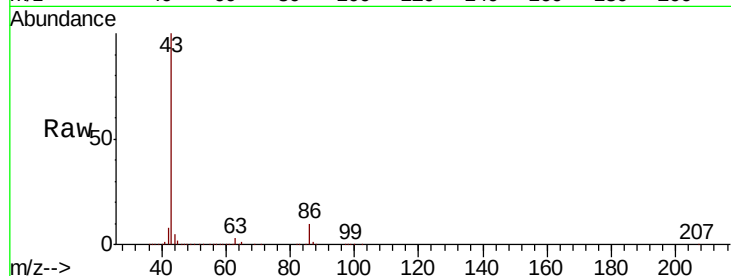
86 10.0 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 21.133 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

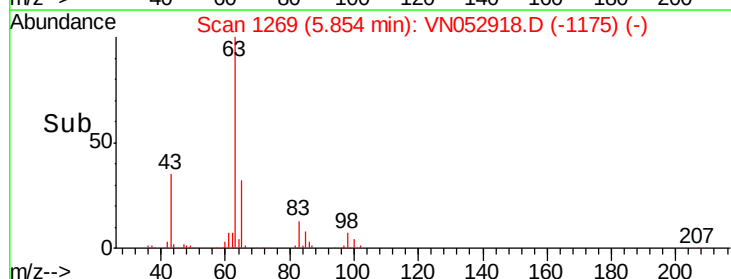
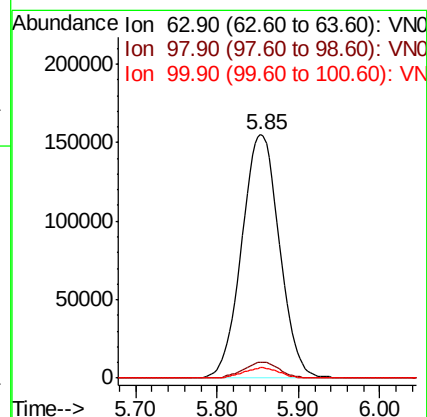
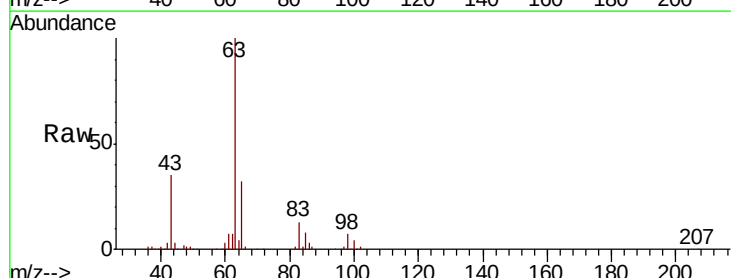
Tgt Ion: 63 Resp: 495652

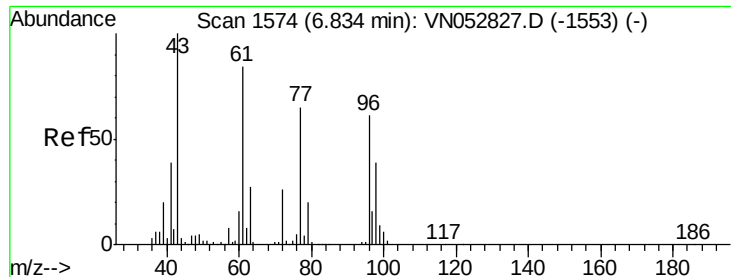
Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.1 2.0 5.8





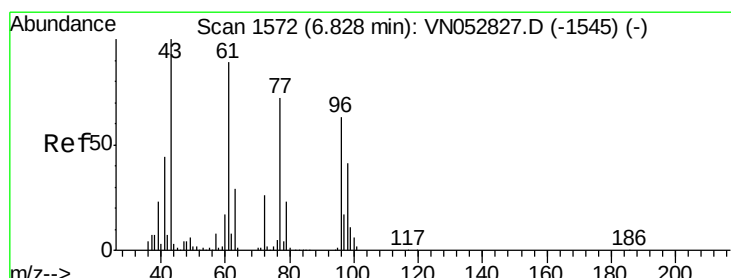
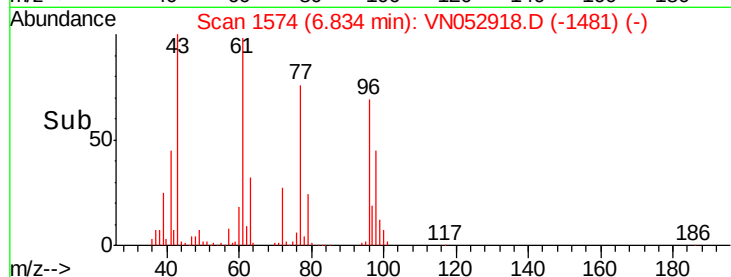
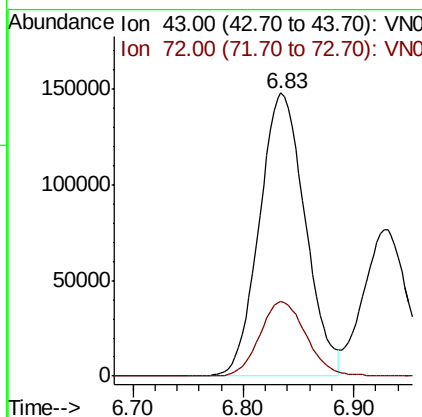
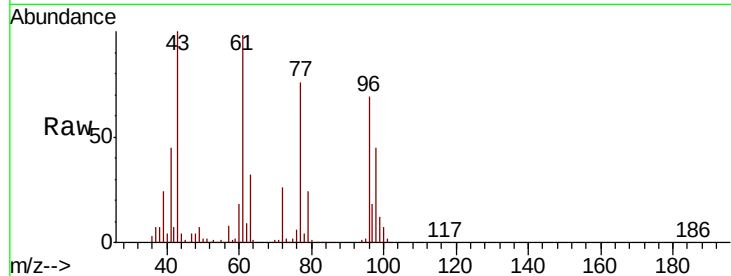
#25
2-Butanone
Concen: 90.221 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 43 Resp: 424416
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.6

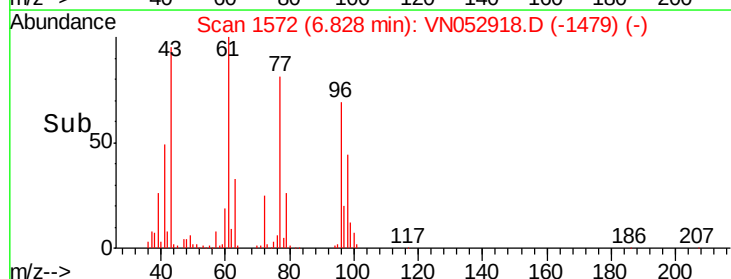
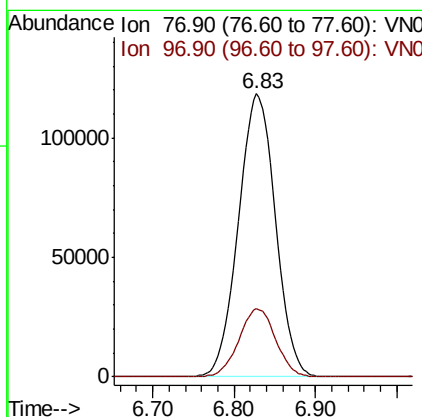
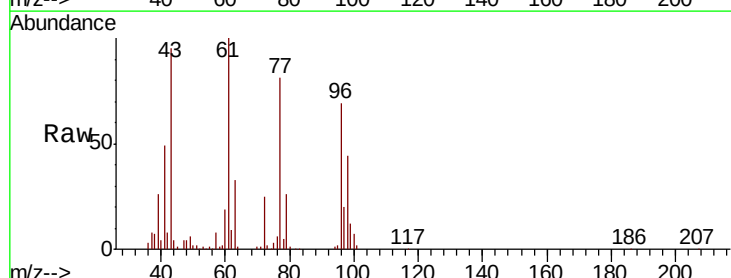
Manual Integrations
APPROVED

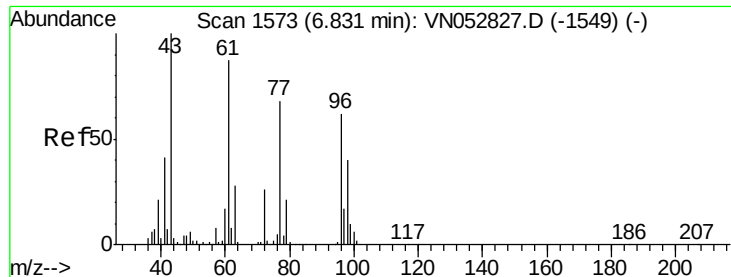
MMDadoda
12/18/2018 1:33:04 PM



#26
2,2-Dichloropropane
Concen: 21.531 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion: 77 Resp: 371892
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.684 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

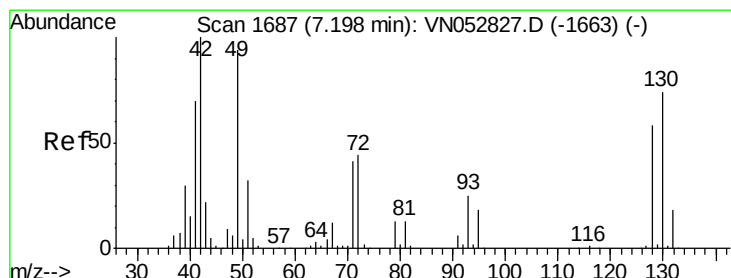
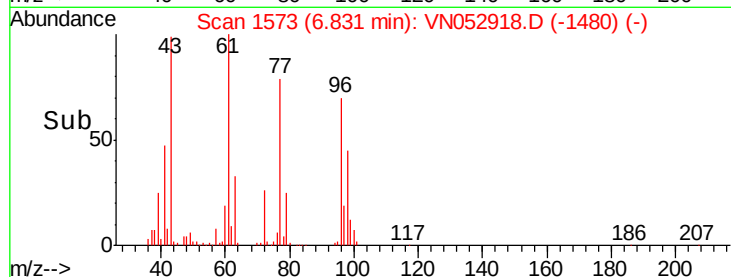
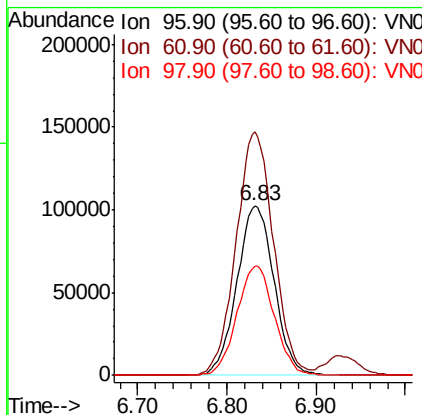
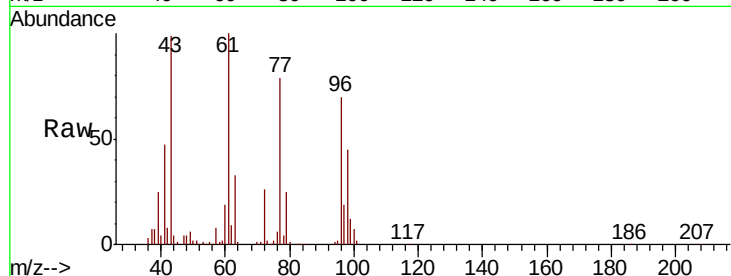
ClientSampleId :

VN1217WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	296857		
61	144.3	0.0	284.2	
98	64.9	0.0	129.2	

Manual Integrations
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12/18/2018 1:33:04 PM



#28

Bromochloromethane

Concen: 21.703 ug/l

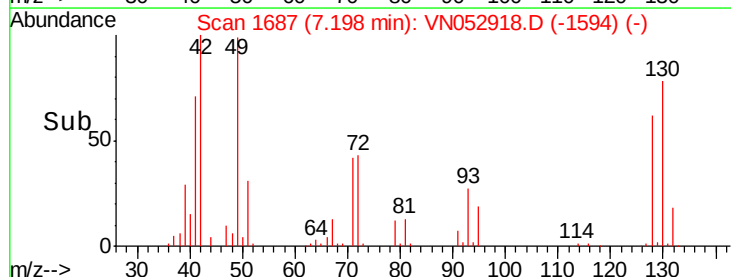
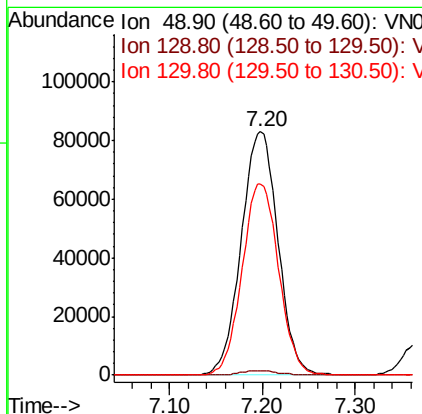
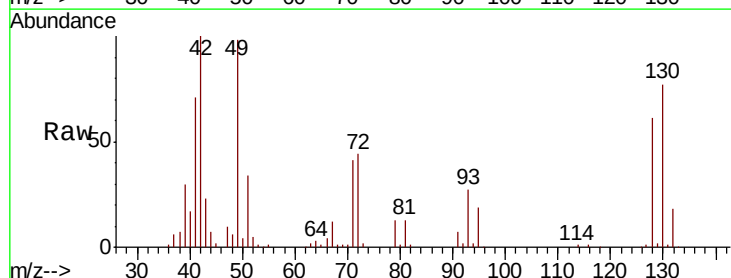
RT: 7.20 min Scan# 1687

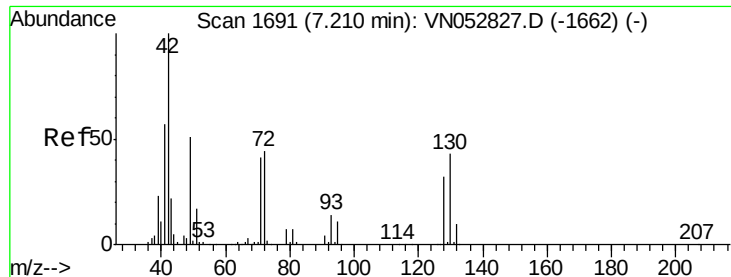
Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	228580		
129	1.8	0.0	4.0	
130	78.4	63.3	94.9	





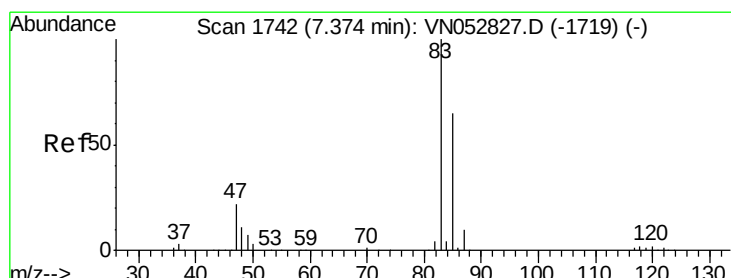
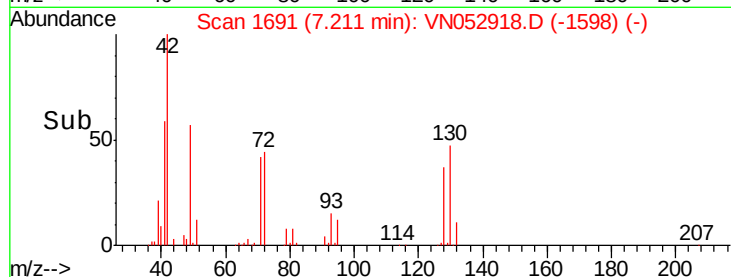
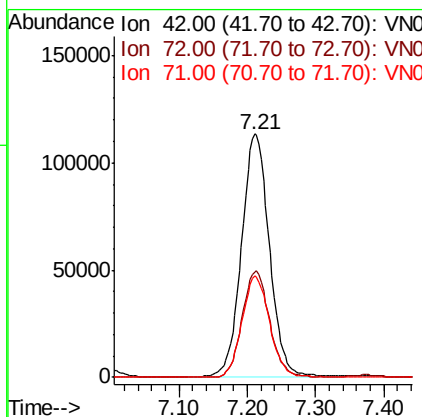
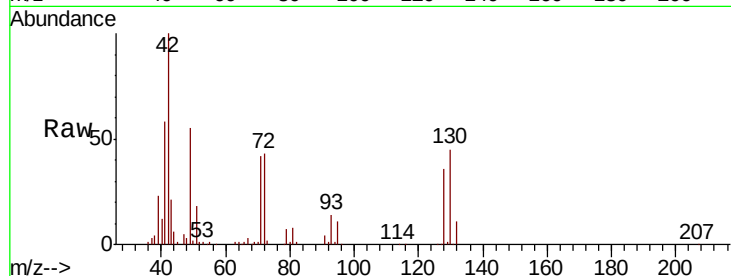
#29
Tetrahydrofuran
Concen: 100.965 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.7	52.1
71	40.9	32.3	48.5

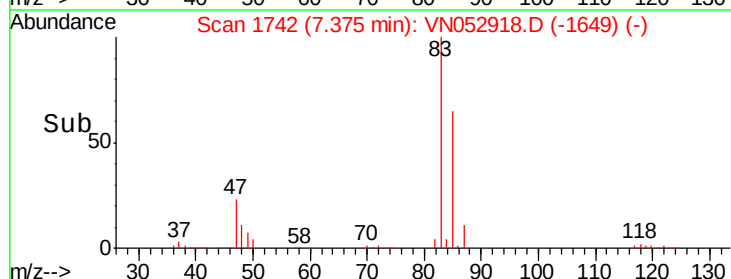
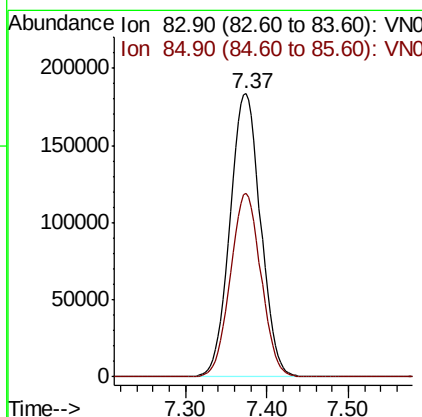
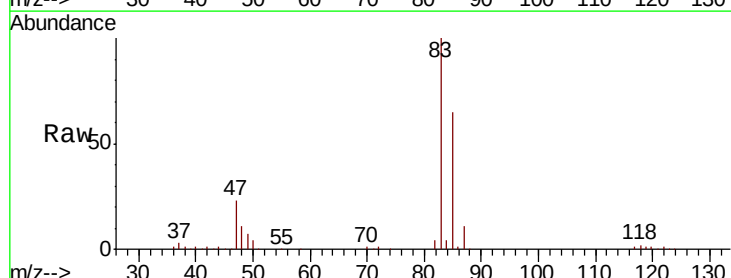
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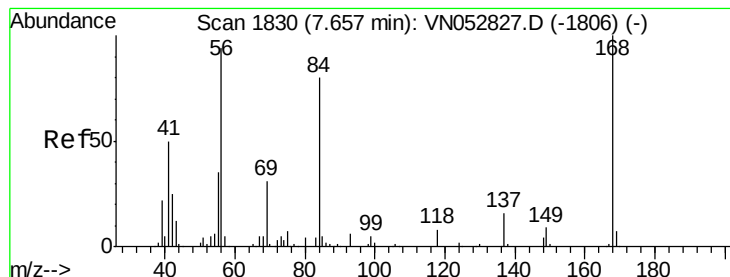
MMDadoda
12/18/2018 1:33:04 PM



#30
Chloroform
Concen: 21.066 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.1	78.1





#31

Cyclohexane

Concen: 20.568 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 56 Resp: 478309

Ion Ratio Lower Upper

56 100

69 36.4 26.6 39.8

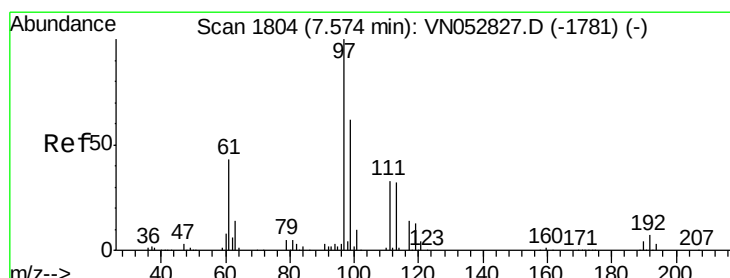
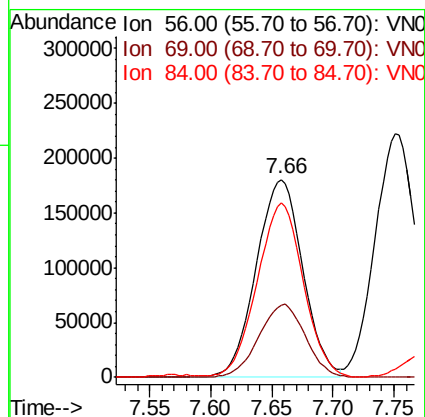
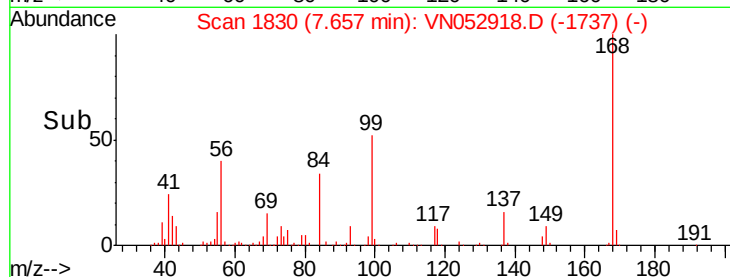
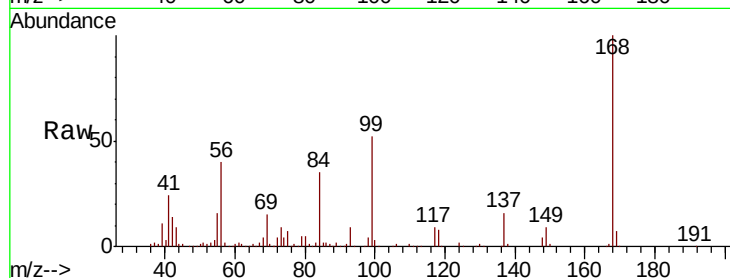
84 86.9 68.4 102.6

Manual Integrations

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12/18/2018 1:33:04 PM



#32

1,1,1-Trichloroethane

Concen: 20.902 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

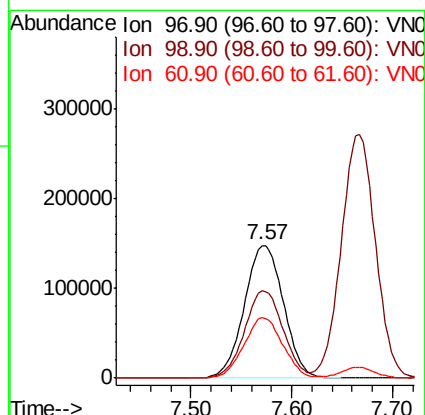
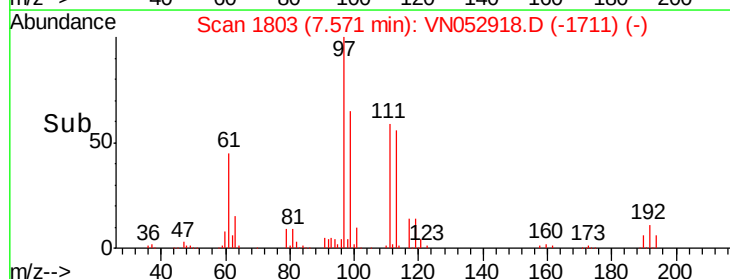
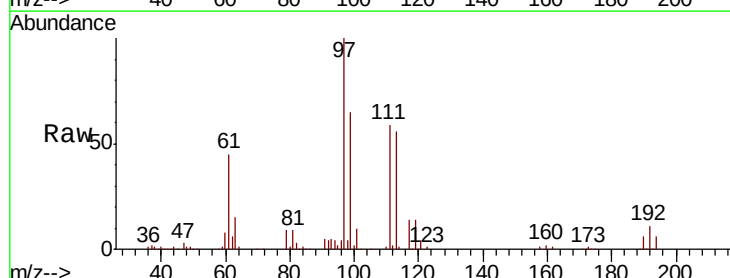
Tgt Ion: 97 Resp: 399981

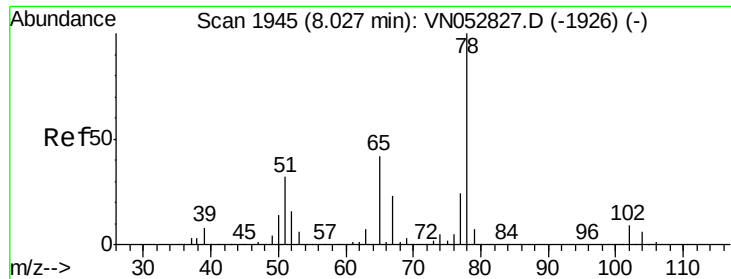
Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

61 45.1 35.0 52.6





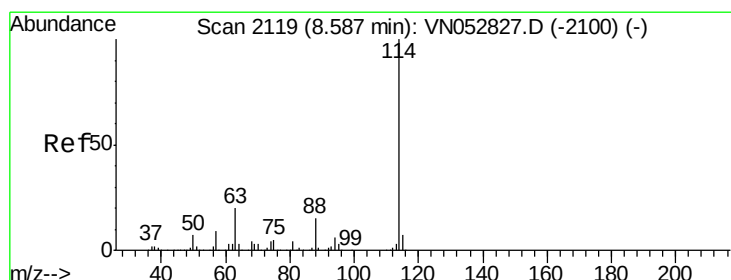
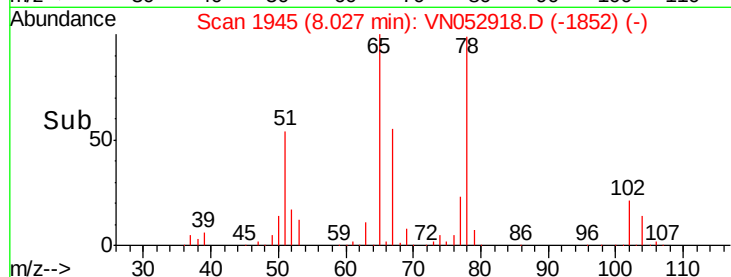
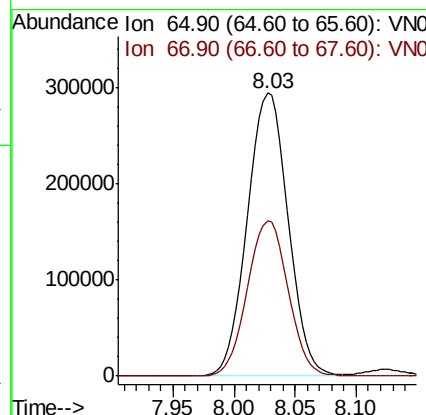
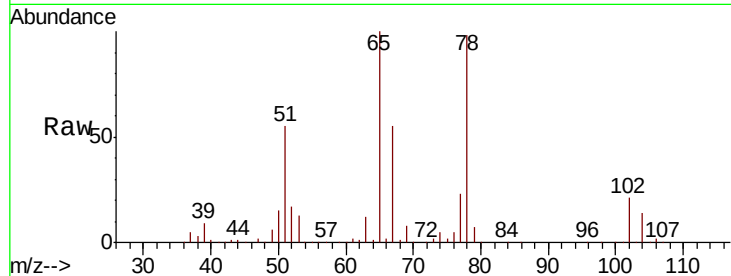
#33
 1,2-Dichloroethane-d4
 Concen: 20.902 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	685011		
67	54.8	0.0	110.4	

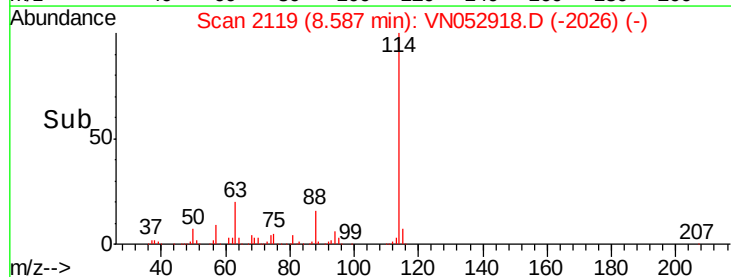
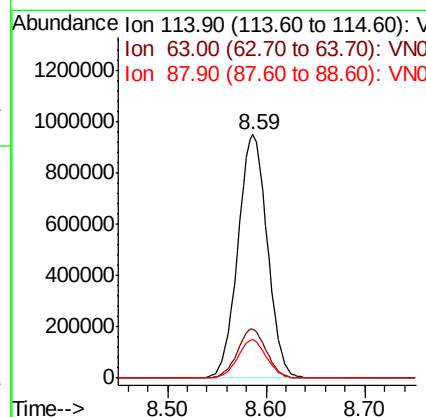
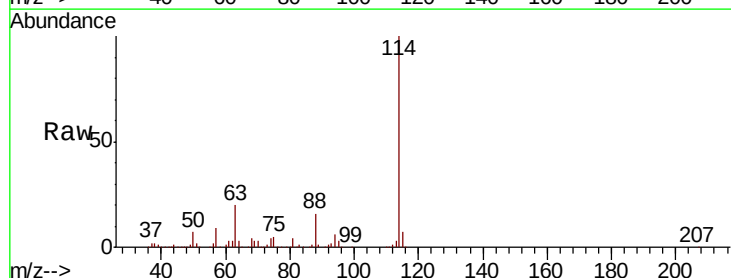
Manual Integrations
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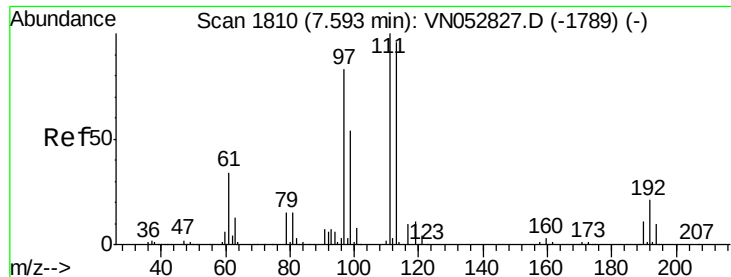
MMDadoda
 12/18/2018 1:33:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1962547		
63	20.0	0.0	39.8	
88	15.8	0.0	31.0	





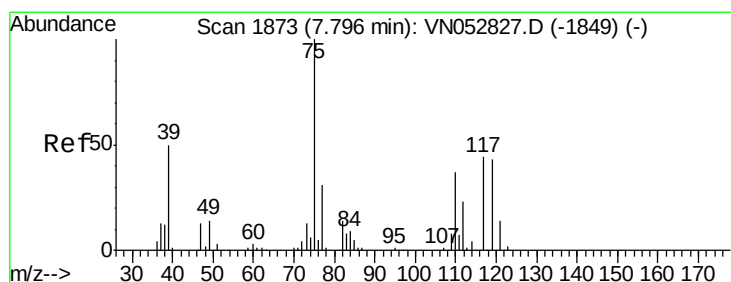
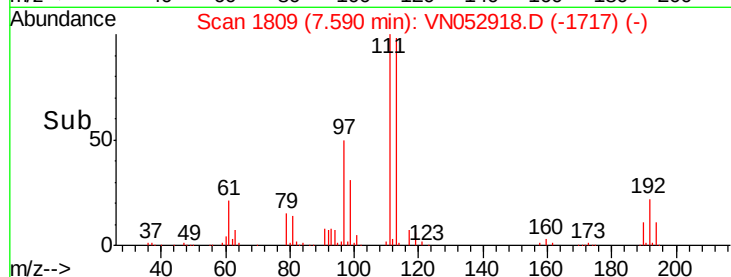
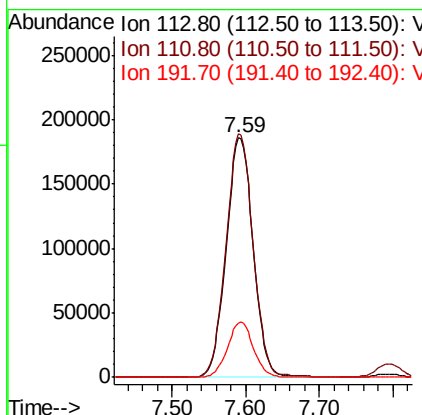
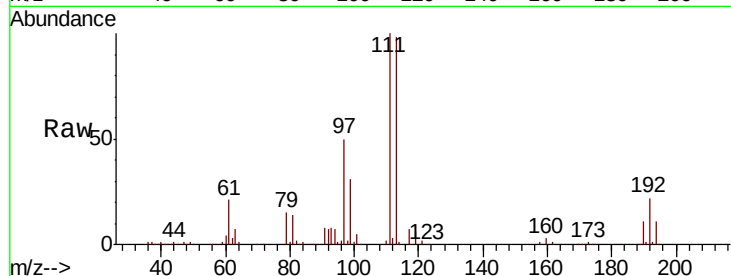
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.4
192	22.1	17.5	26.3

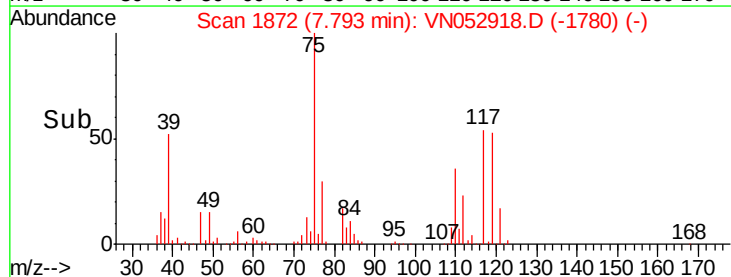
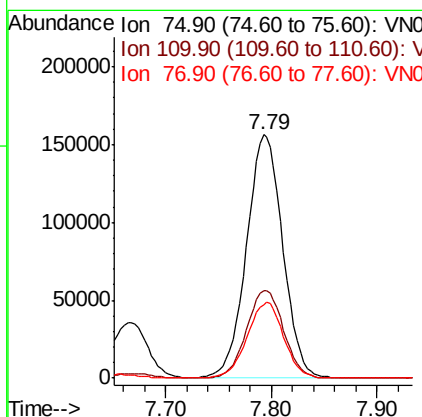
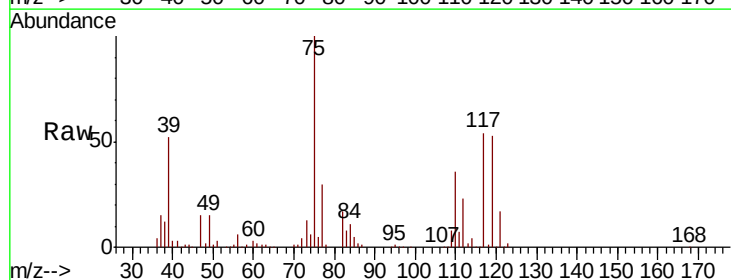
Manual Integrations
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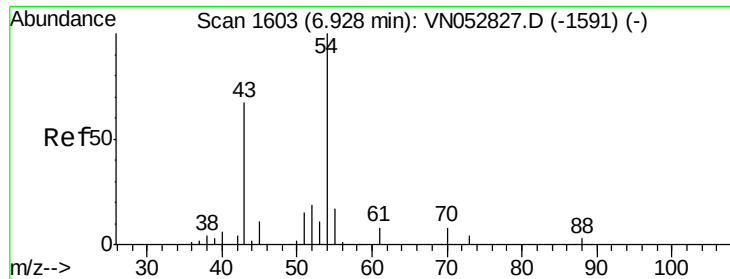
MMDadoda
12/18/2018 1:33:04 PM



#36
1,1-Dichloropropene
Concen: 20.571 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.2	54.6
77	31.6	24.9	37.3





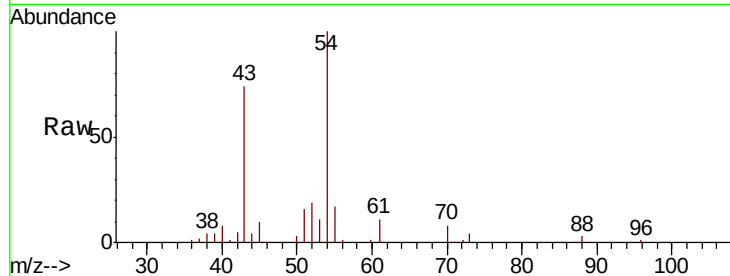
#37
Ethyl Acetate
Concen: 19.889 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	10.8	8.4	12.6

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12/18/2018 1:33:04 PM

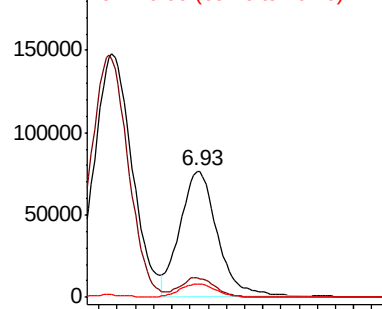


Abundance

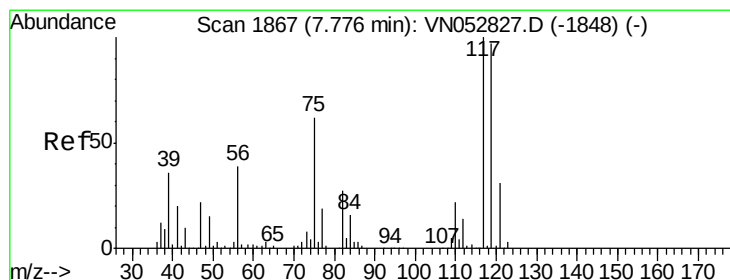
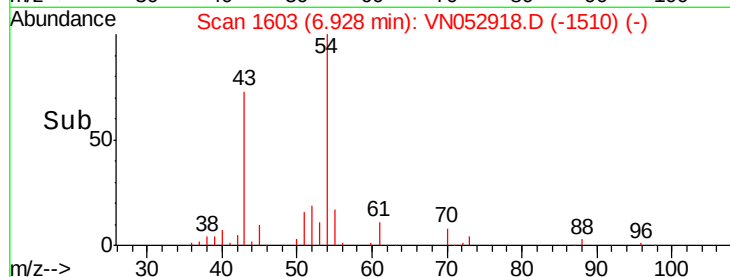
Ion 43.00 (42.70 to 43.70): VN052918.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN052918.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN052918.D (-1510) (-)



Time-->



#38
Carbon Tetrachloride
Concen: 21.491 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

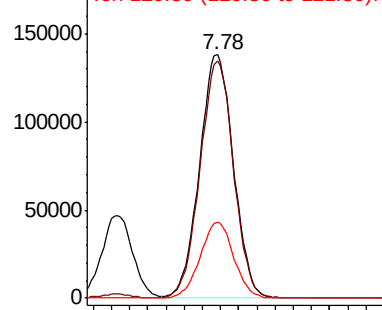
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
121	31.3	24.9	37.3

Abundance

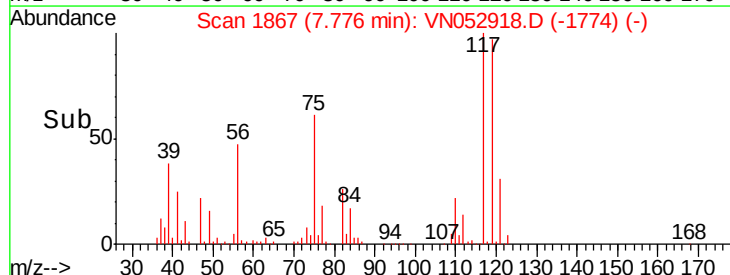
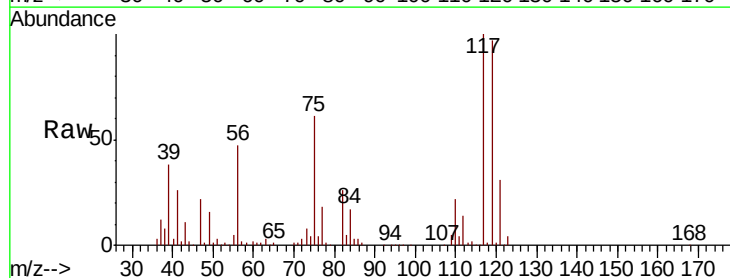
Ion 116.80 (116.50 to 117.50): VN052918.D (-1774) (-)

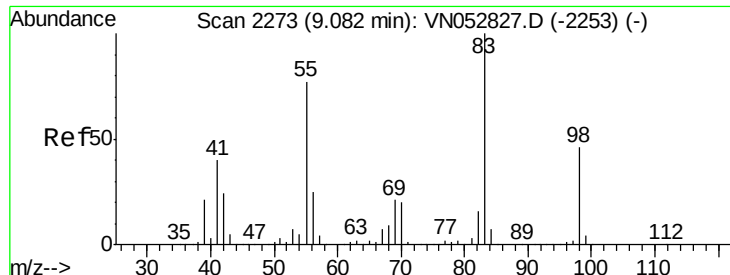
Ion 118.80 (118.50 to 119.50): VN052918.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052918.D (-1774) (-)



Time-->





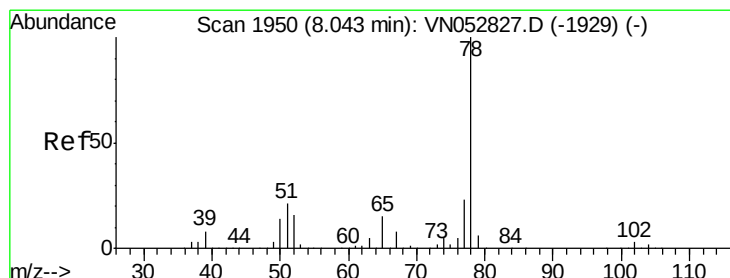
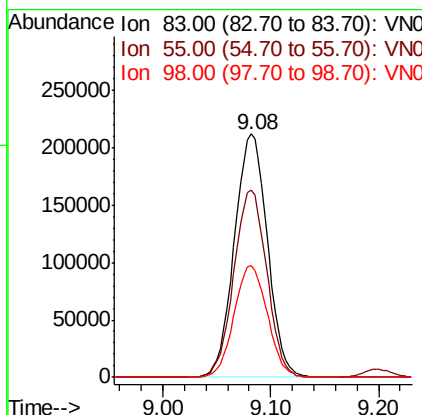
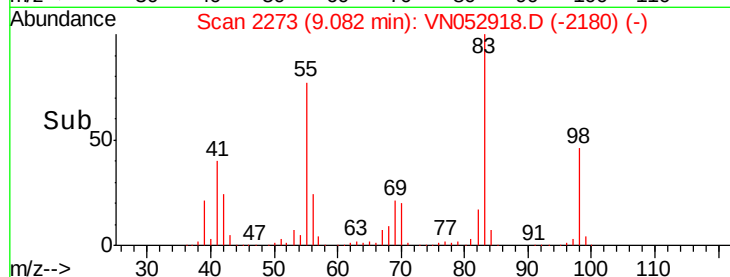
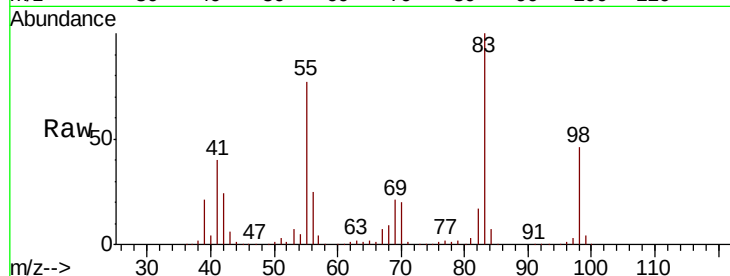
#39
Methylvlcyclohexane
Concen: 20.315 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.3	91.9
98	45.9	37.0	55.4

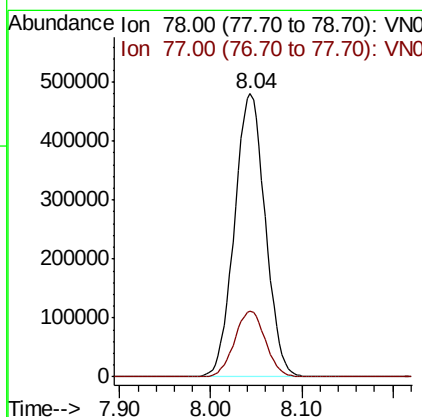
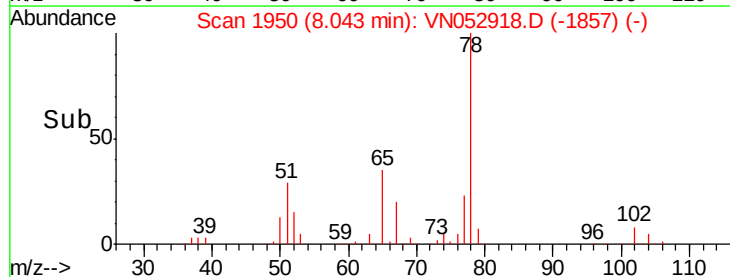
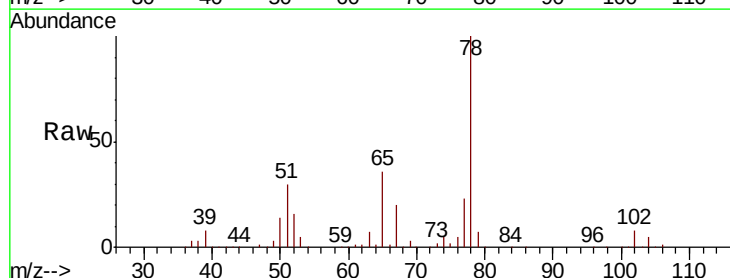
Manual Integrations
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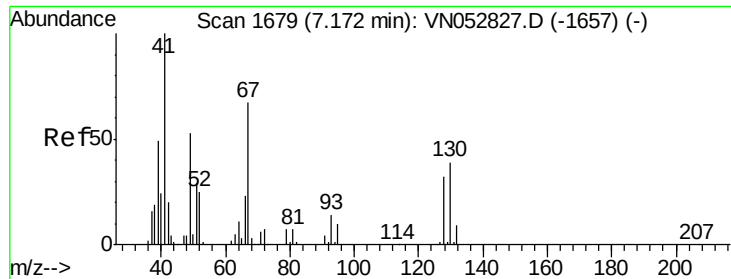
MMDadoda
12/18/2018 1:33:04 PM



#40
Benzene
Concen: 20.836 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





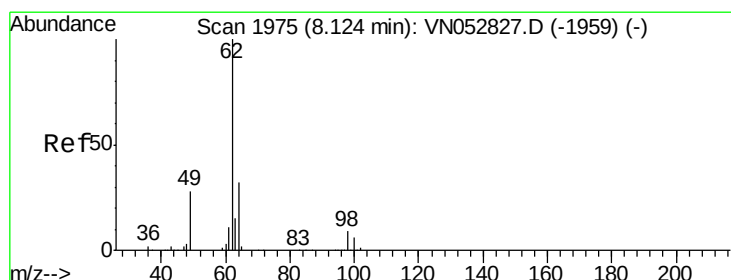
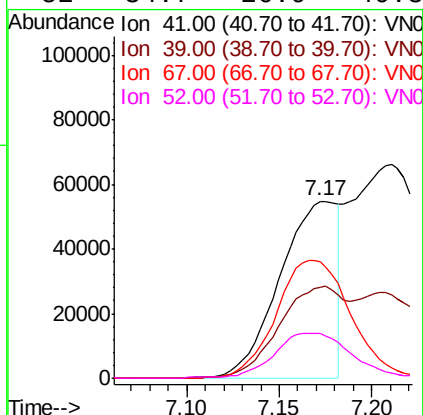
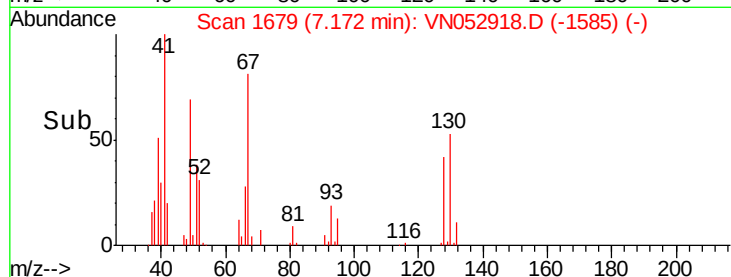
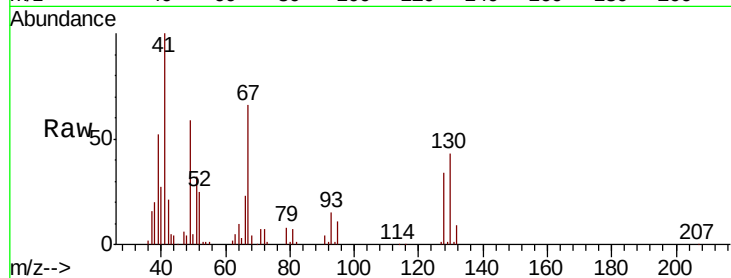
#41
Methacrylonitrile
Concen: 19.733 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	41	Resp	118701
Ion Ratio	Lower	Upper	
41	100		
39	59.7	48.0	72.0
67	87.0	70.3	105.5
52	34.7	26.9	40.3

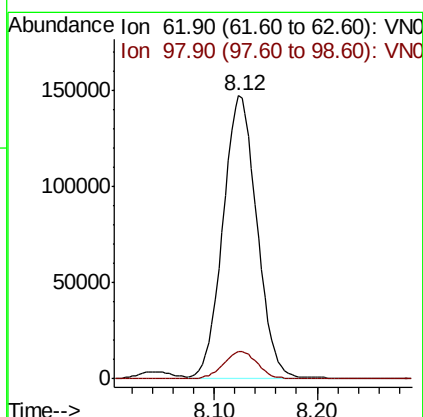
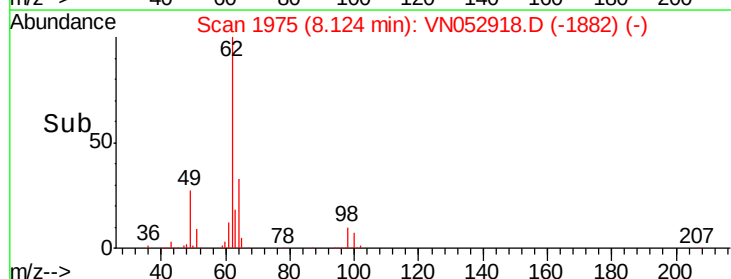
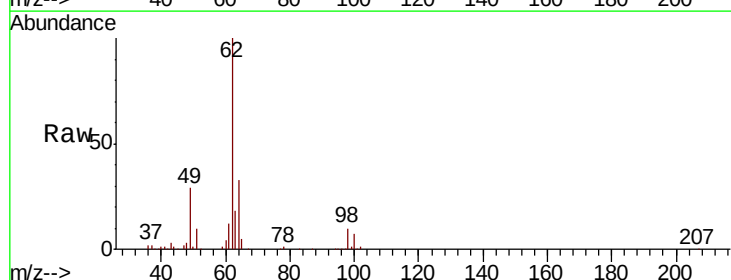
Manual Integrations
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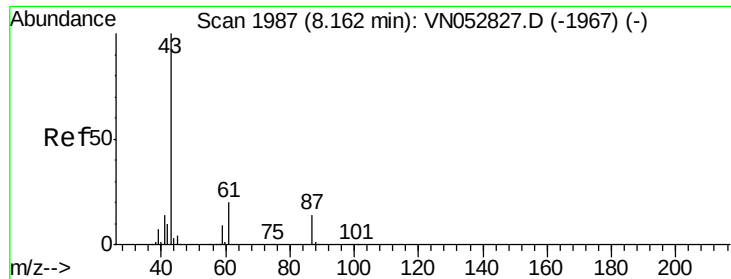
MMDadoda
12/18/2018 1:33:04 PM



#42
1,2-Dichloroethane
Concen: 20.639 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	62	Resp	337035
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 18.163 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

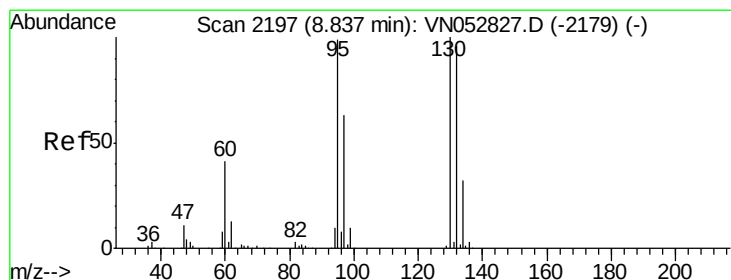
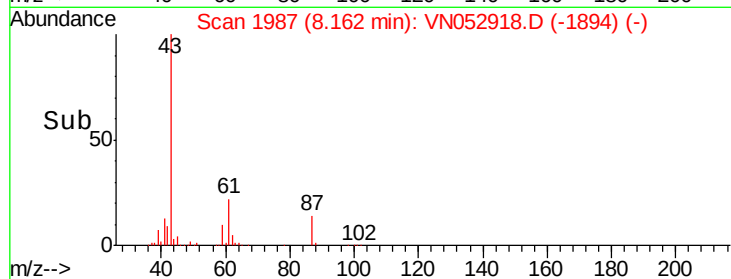
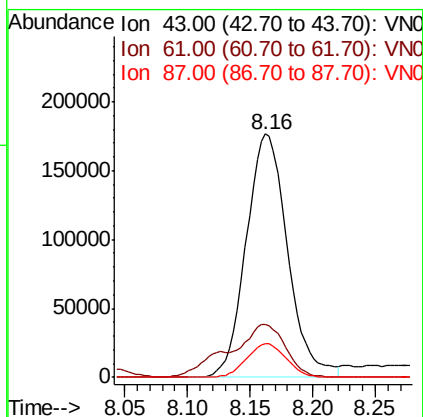
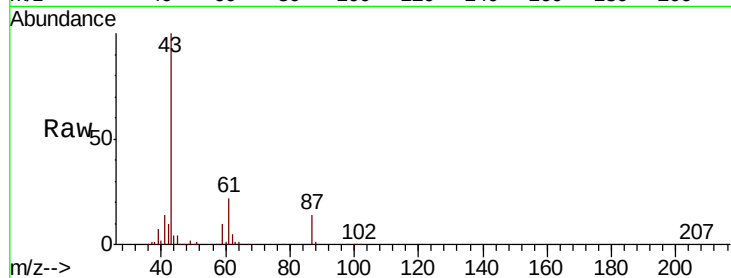
ClientSampleId :

VN1217WBS01

Tot Ion:	43	Resp:	404291
Ion Ratio	Lower	Upper	
43	100		
61	29.3	22.9	34.3
87	13.2	10.6	15.8

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#44

Trichloroethene

Concen: 22.292 ug/l

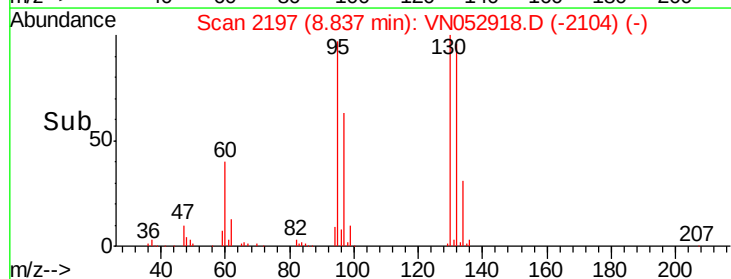
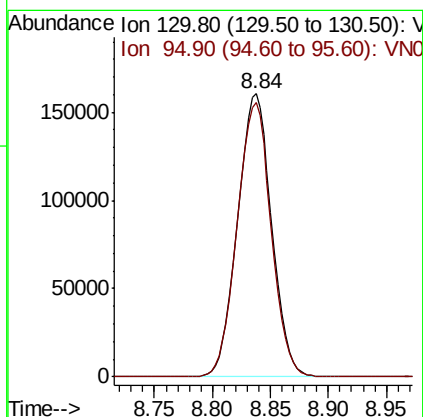
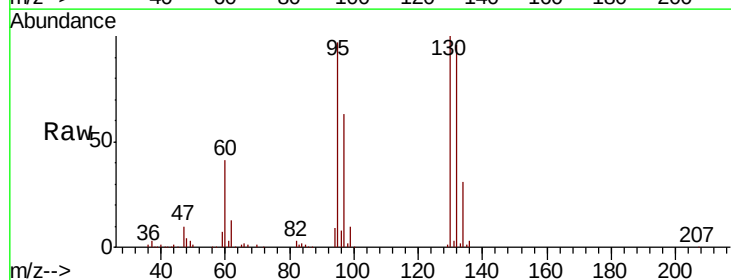
RT: 8.84 min Scan# 2197

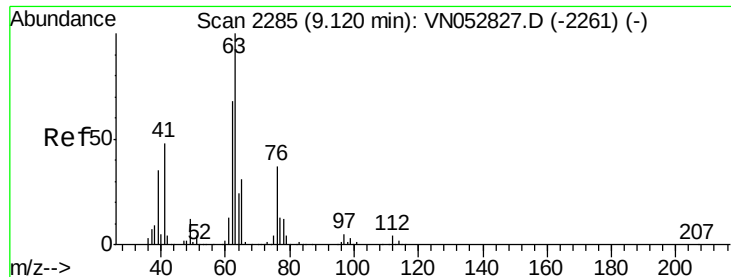
Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Tgt Ion:	130	Resp:	326601
Ion Ratio	Lower	Upper	
130	100		
95	96.8	0.0	197.8





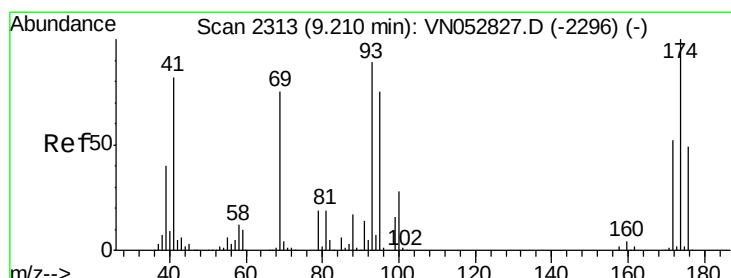
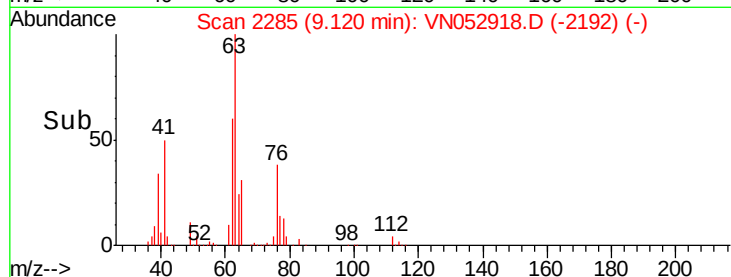
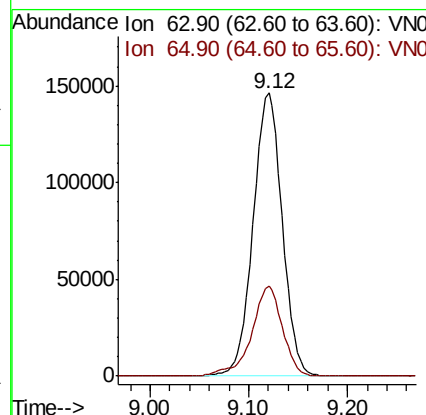
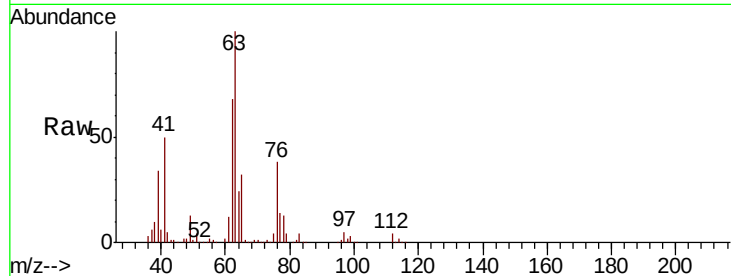
#45
 1,2-Dichloropropane
 Concen: 20.925 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion: 63 Resp: 297284
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 37.0

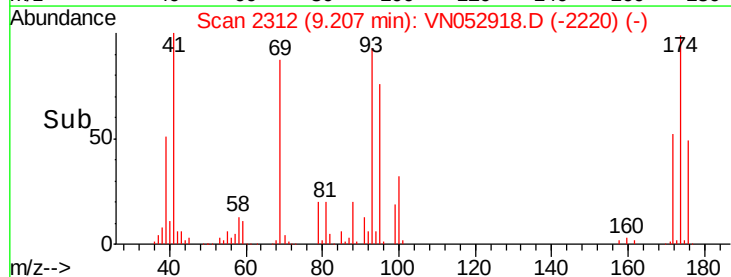
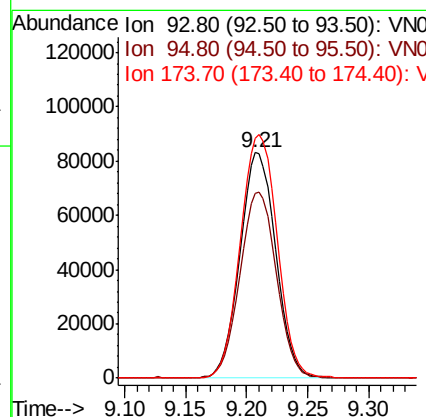
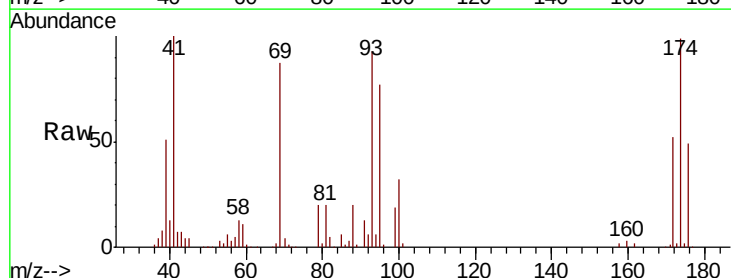
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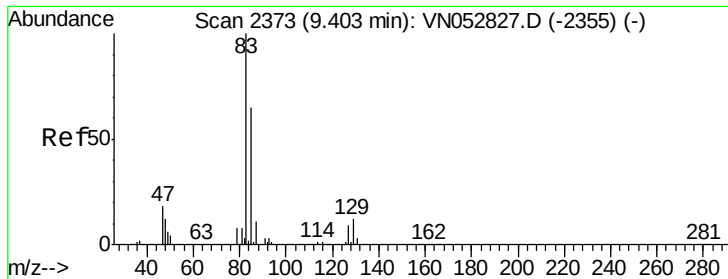
MMDadoda
 12/18/2018 1:33:04 PM



#46
 Dibromomethane
 Concen: 20.557 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion: 93 Resp: 169376
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.8 101.6
 174 110.7 89.0 133.4





#47

Bromodichloromethane

Concen: 21.623 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

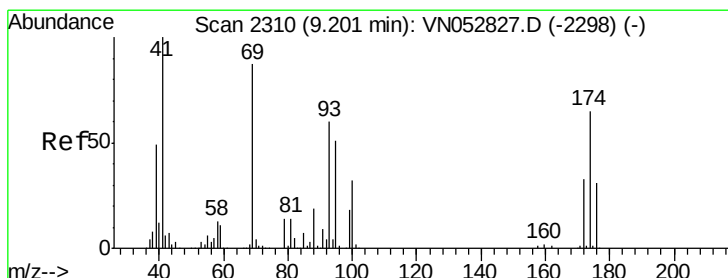
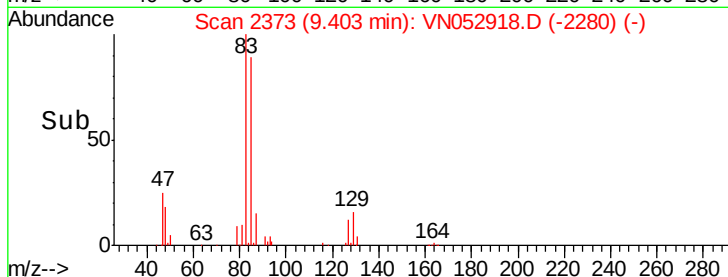
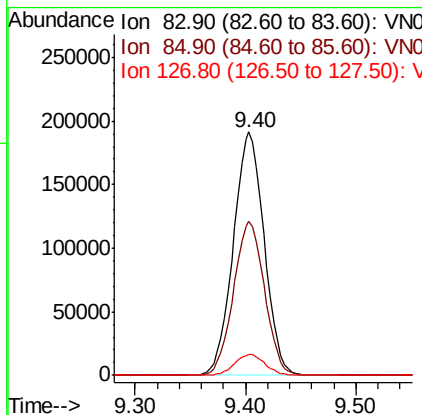
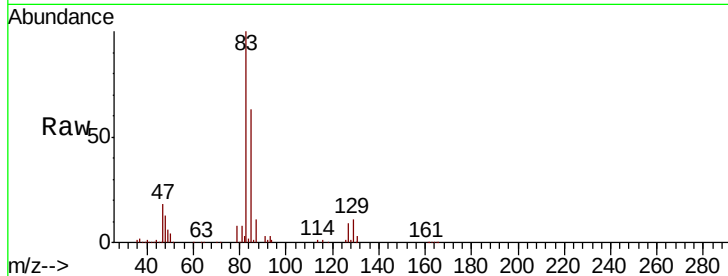
ClientSampleId :

VN1217WBS01

Tot Ion:	83	Resp:	369446
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.6	77.4
127	8.7	7.1	10.7

Manual Integrations
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MMDadoda
12/18/2018 1:33:04 PM



#48

Methyl methacrylate

Concen: 20.528 ug/l

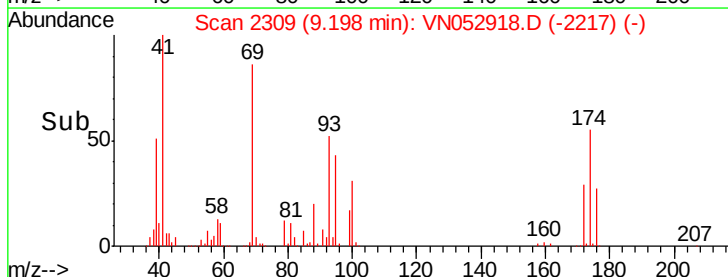
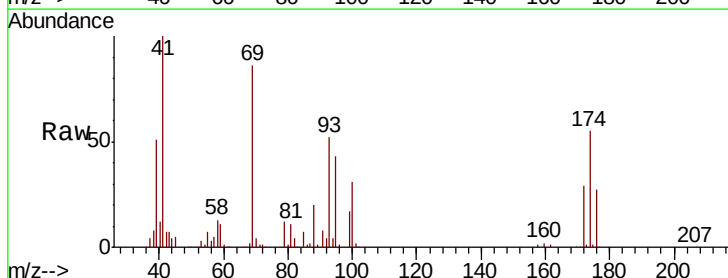
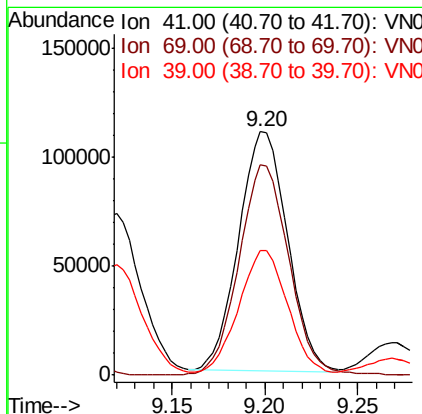
RT: 9.20 min Scan# 2309

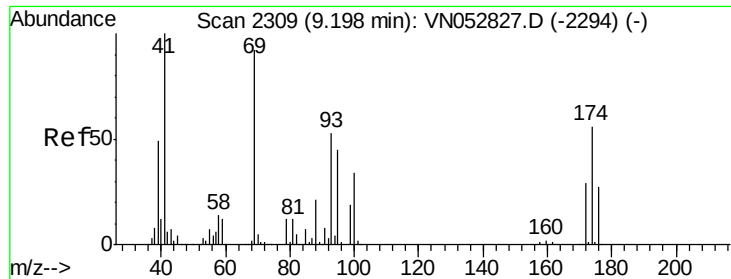
Delta R.T. -0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Tgt Ion:	41	Resp:	200384
Ion	Ratio	Lower	Upper
41	100		
69	90.4	72.2	108.2
39	53.2	41.9	62.9





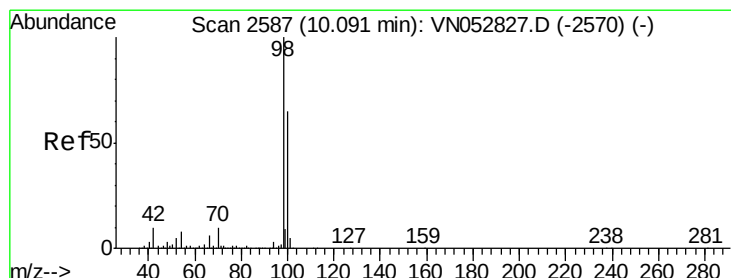
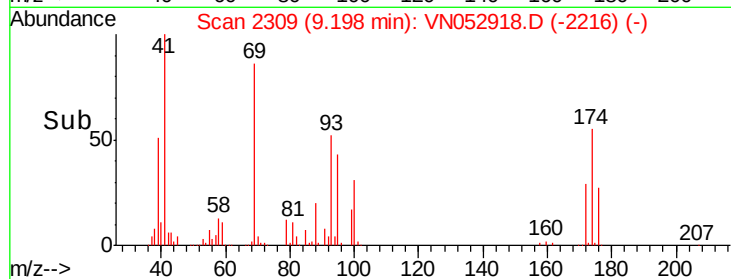
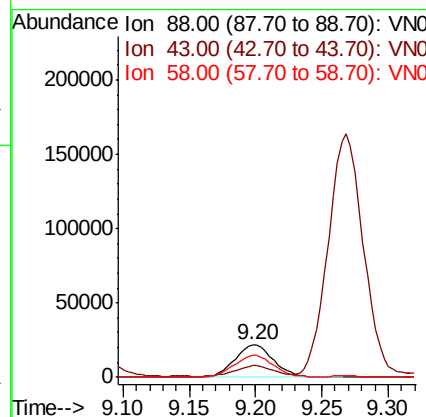
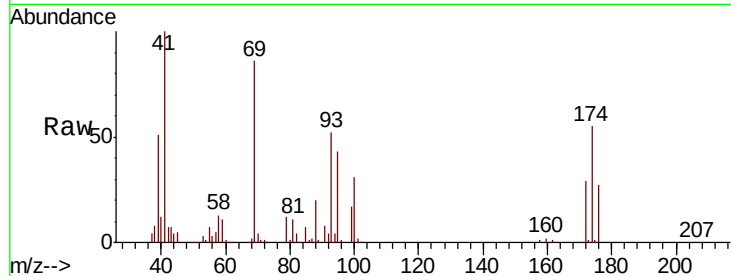
#49
1,4-Dioxane
Concen: 402.613 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	88	Resp	44611
Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.6	40.0
58	69.1	58.4	87.6

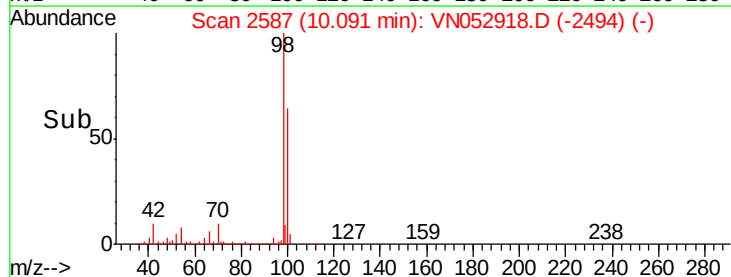
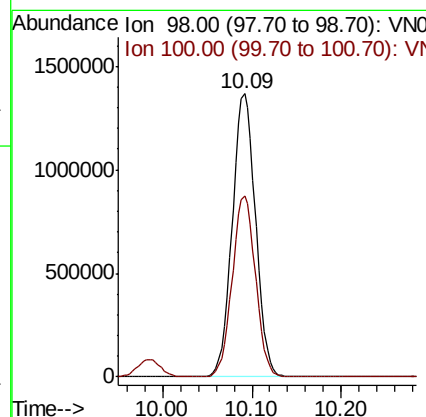
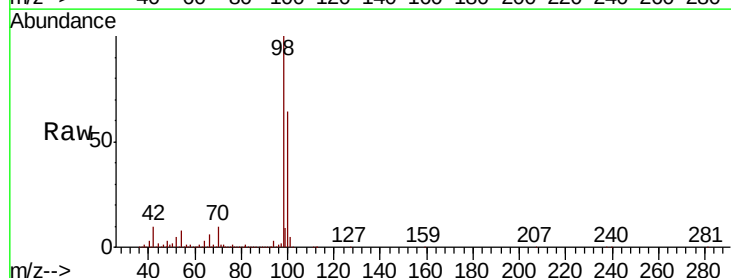
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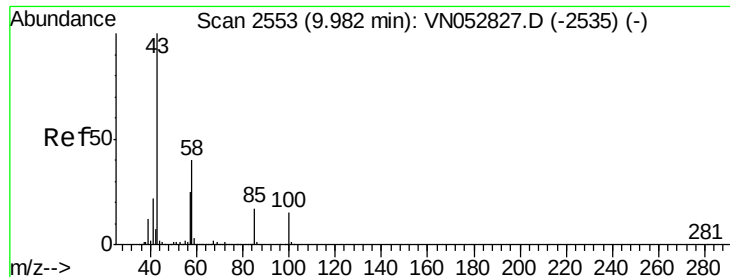
MMDadoda
12/18/2018 1:33:04 PM



#50
Toluene-d8
Concen: 402.613 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	98	Resp	2465576
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





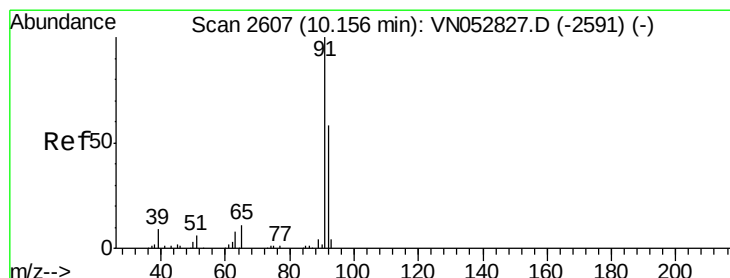
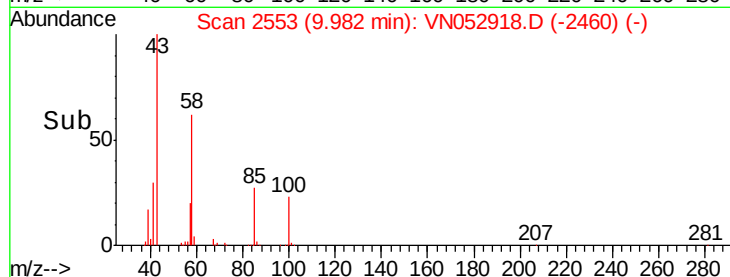
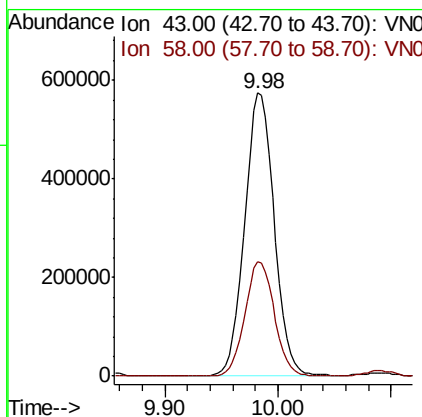
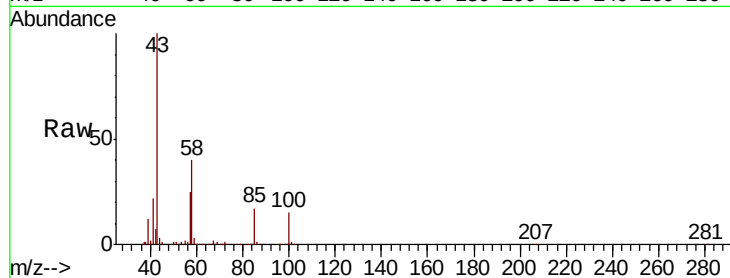
#51
4-Methyl-2-Pentanone
Concen: 102.017 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 43 Resp: 1041271
Ion Ratio Lower Upper
43 100
58 40.4 32.2 48.4

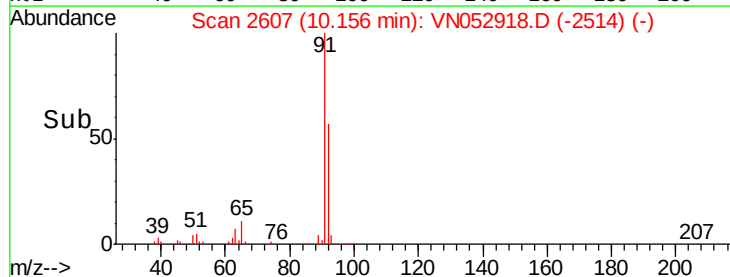
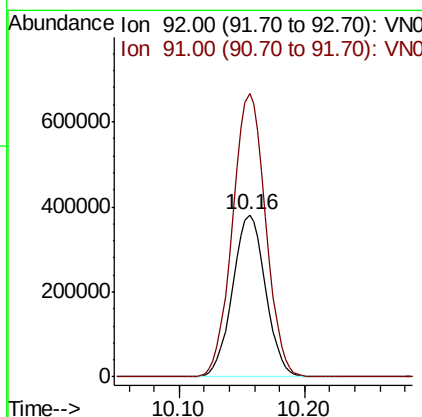
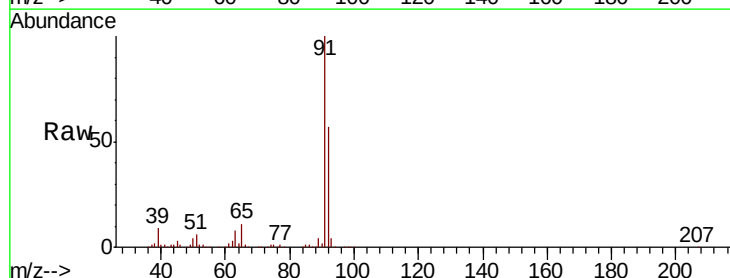
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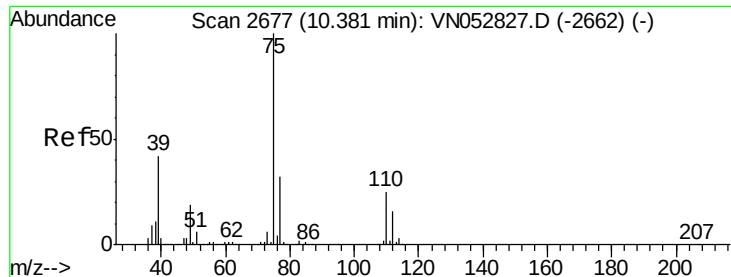
MMDadoda
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#52
Toluene
Concen: 21.089 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion: 92 Resp: 692819
Ion Ratio Lower Upper
92 100
91 176.4 139.8 209.6





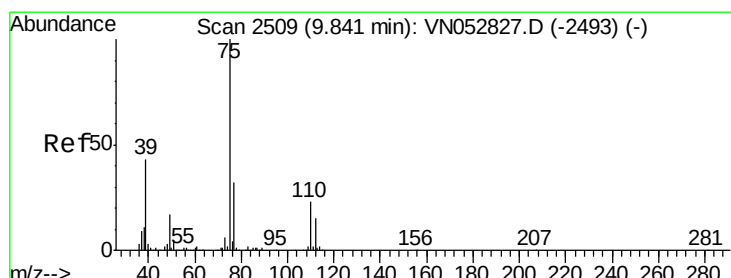
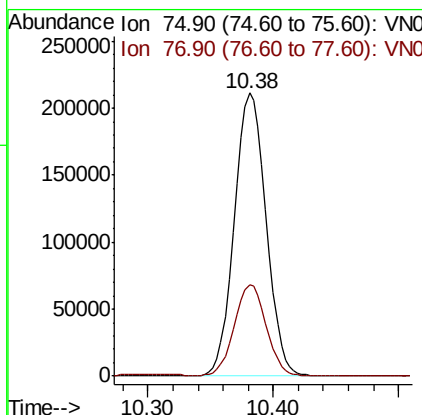
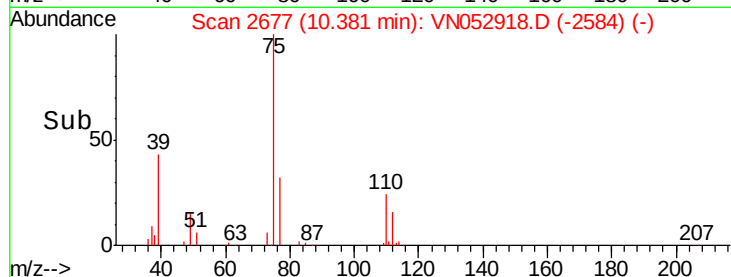
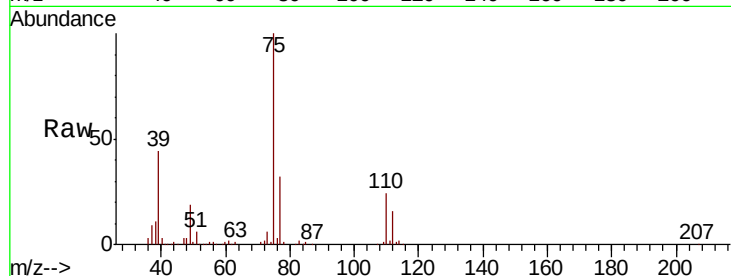
#53
t-1,3-Dichloropropene
Concen: 21.658 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4

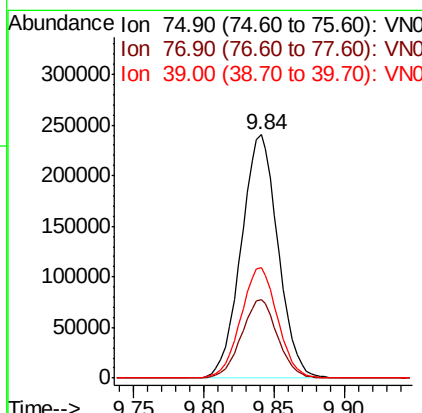
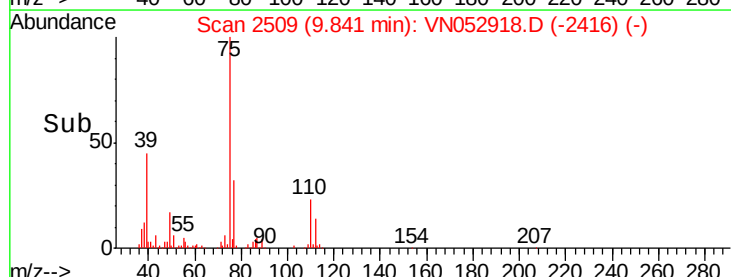
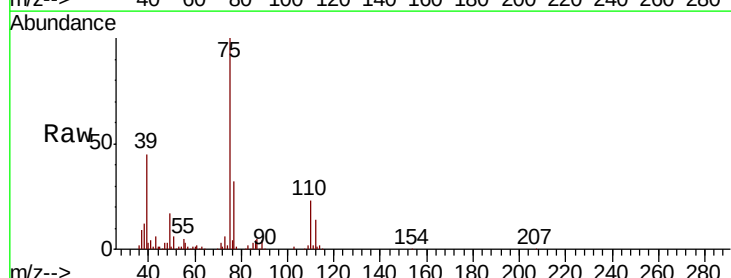
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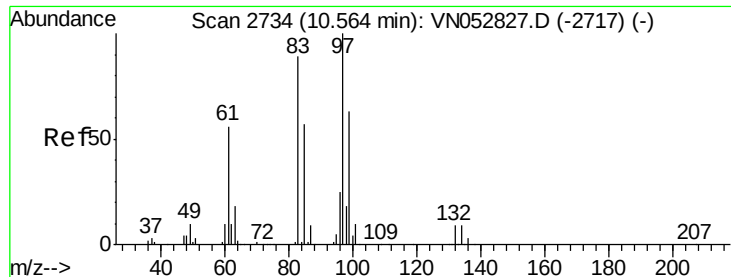
MMDadoda
12/18/2018 1:33:04 PM



#54
cis-1,3-Dichloropropene
Concen: 21.414 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.8
39	45.3	34.8	52.2





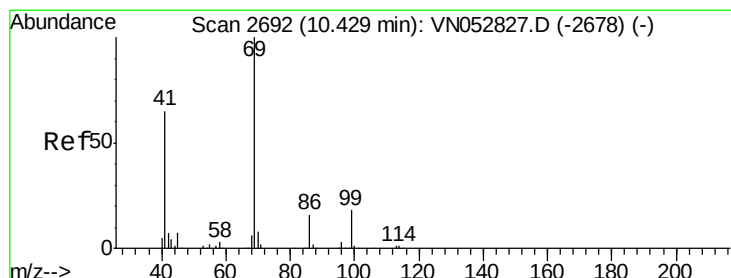
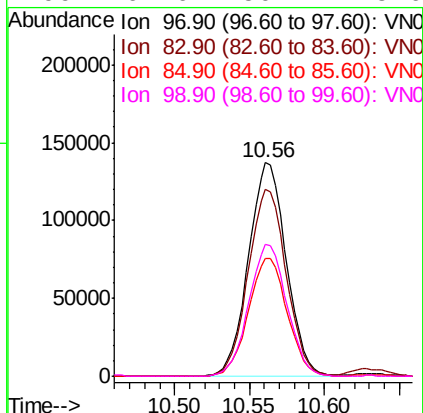
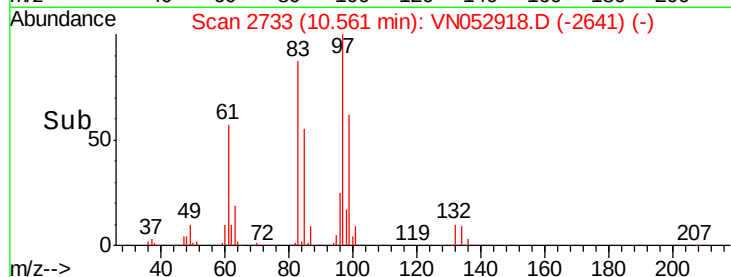
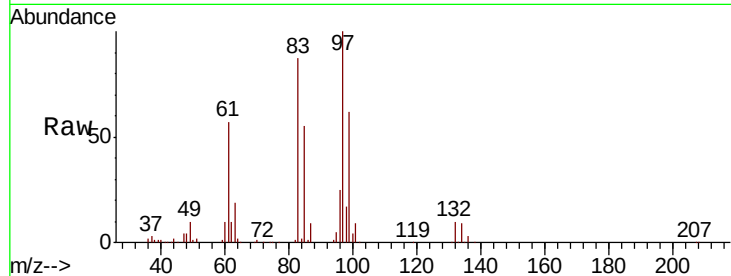
#55
 1,1,2-Trichloroethane
 Concen: 20.573 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241266		
83	87.3	70.9	106.3		
85	55.3	45.4	68.2		
99	61.6	50.4	75.6		

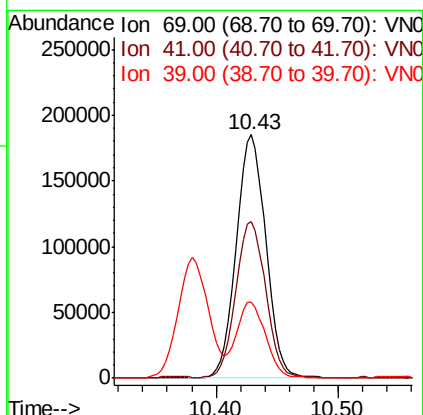
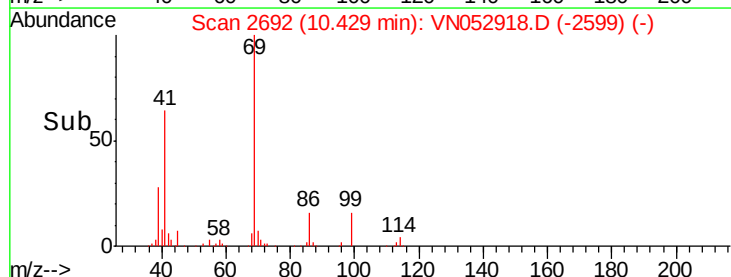
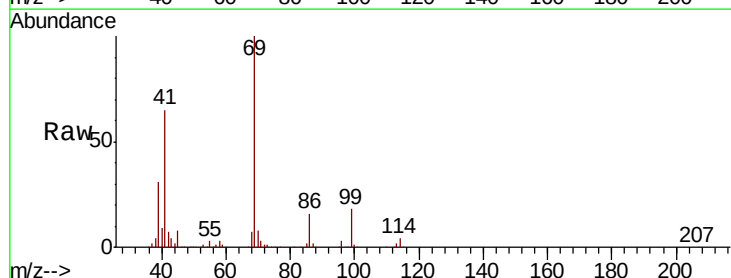
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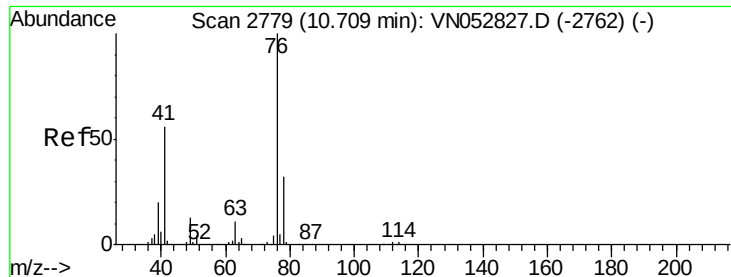
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#56
 Ethyl methacrylate
 Concen: 20.653 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		310825		
41	64.6	51.7	77.5		
39	30.7	24.6	37.0		





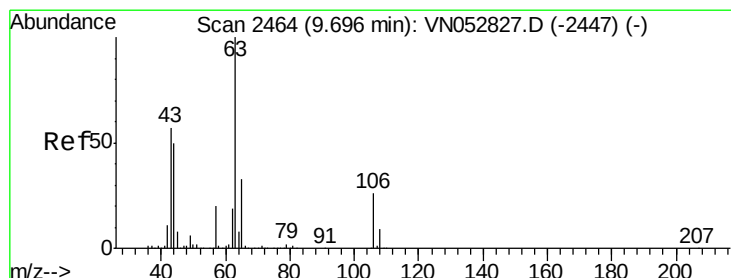
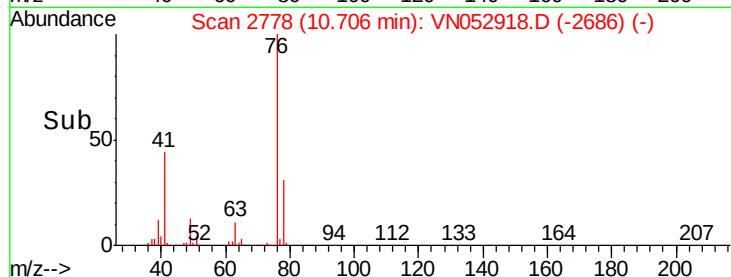
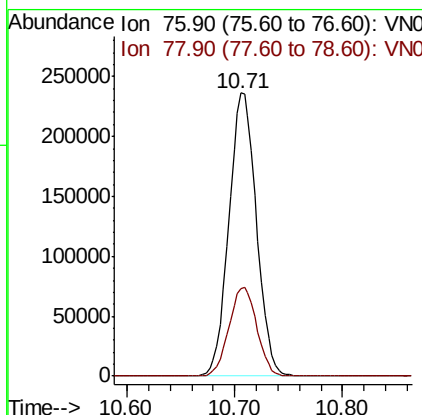
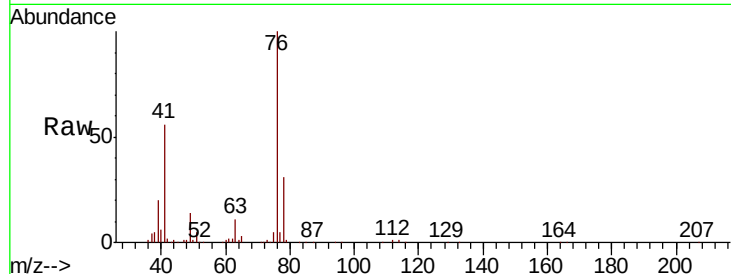
#57
 1,3-Dichloropropane
 Concen: 20.862 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion: 76 Resp: 419543
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

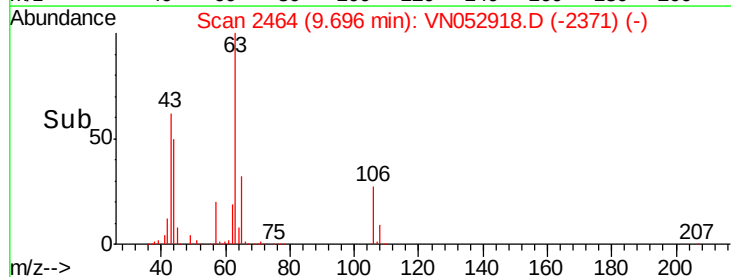
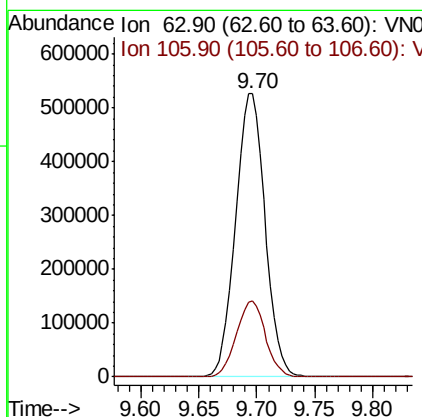
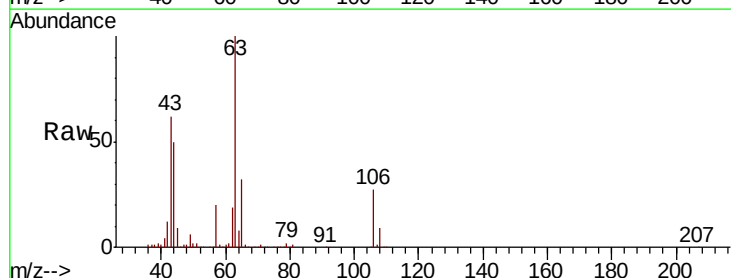
Manual Integrations
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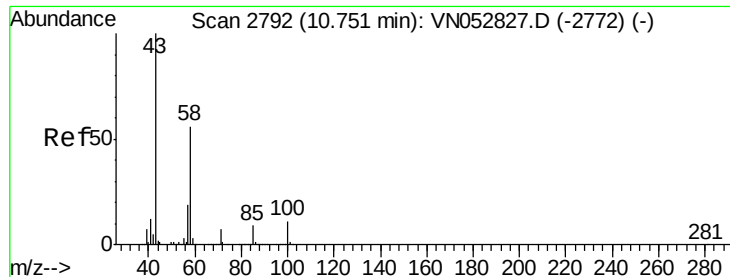
MMDadoda
 12/18/2018 1:33:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.439 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion: 63 Resp: 927432
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.6





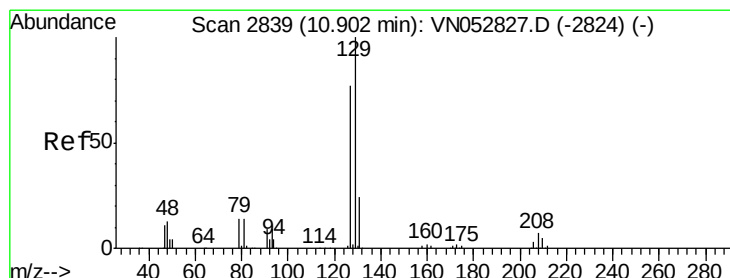
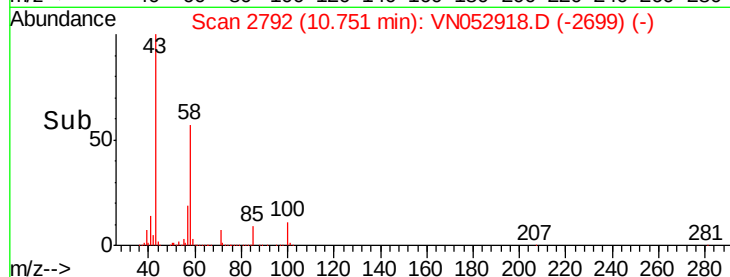
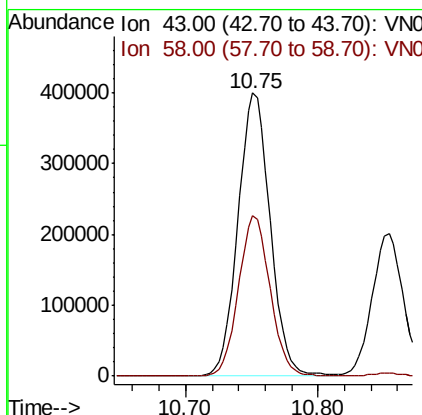
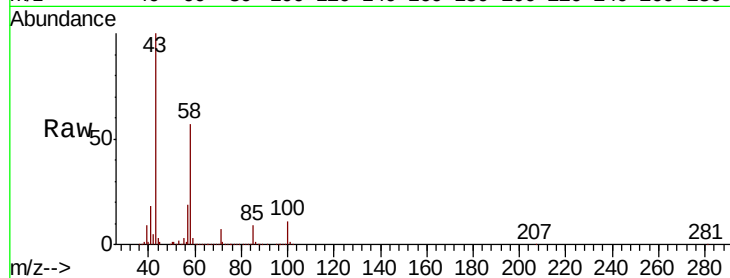
#59
2-Hexanone
Concen: 96.064 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 43 Resp: 671966
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.3

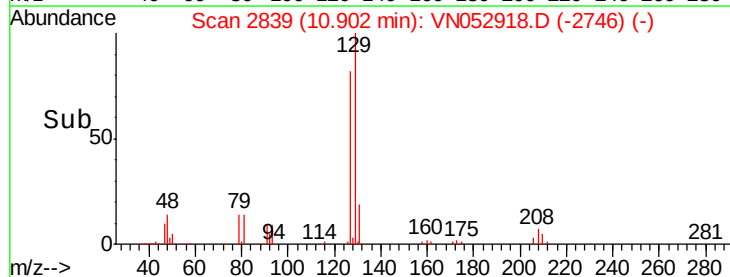
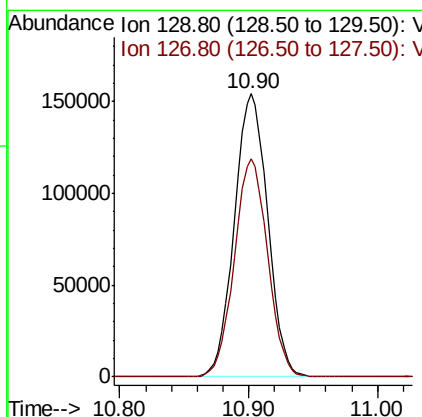
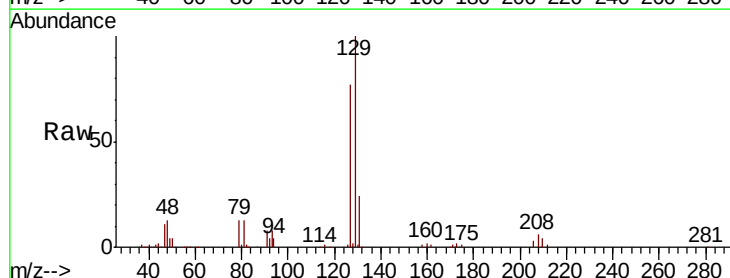
Manual Integrations
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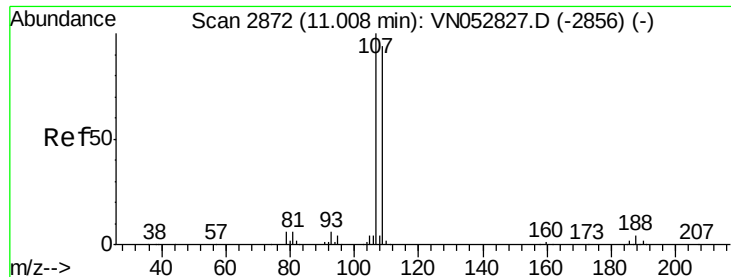
MMDadoda
12/18/2018 1:33:04 PM



#60
Dibromochloromethane
Concen: 21.885 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion: 129 Resp: 277380
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





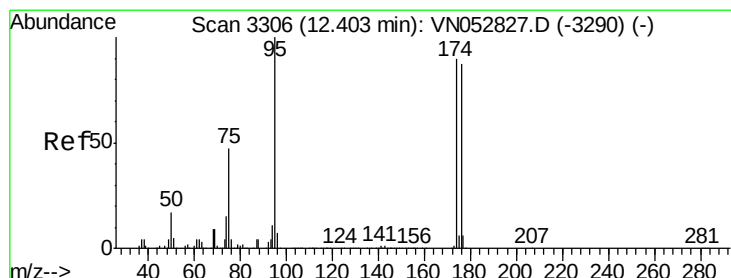
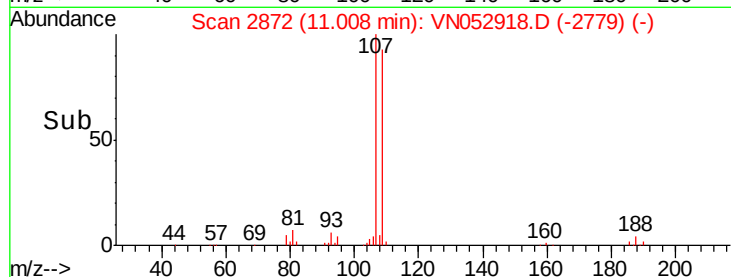
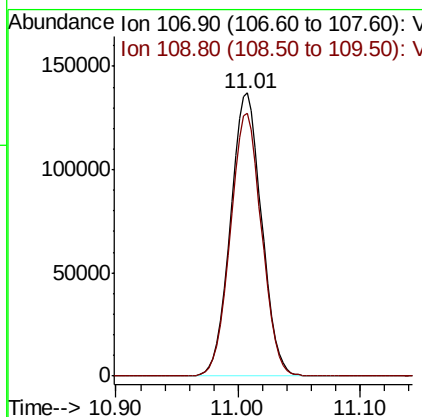
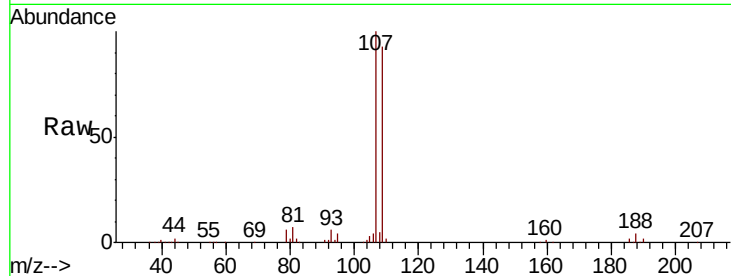
#61
 1,2-Dibromoethane
 Concen: 20.991 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.4	113.0

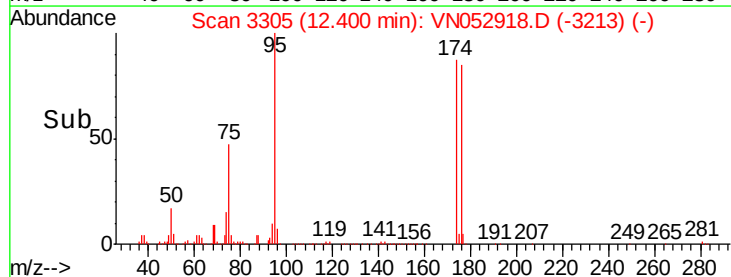
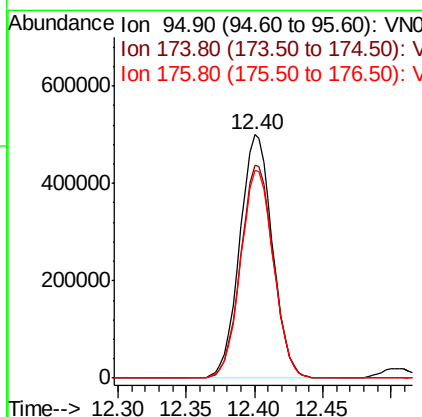
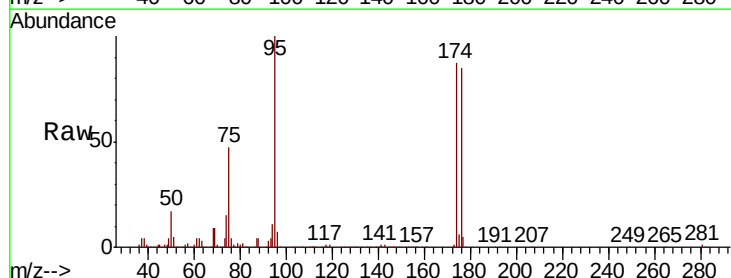
Manual Integrations
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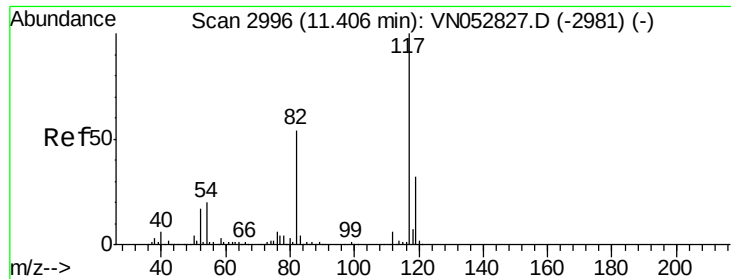
MMDadoda
 12/18/2018 1:33:04 PM



#62
 4-Bromofluorobenzene
 Concen: 20.991 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	178.8
176	85.9	0.0	173.8





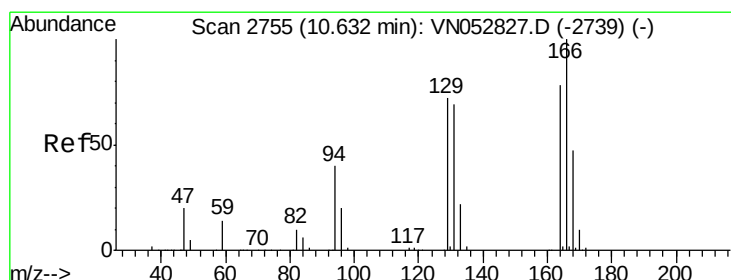
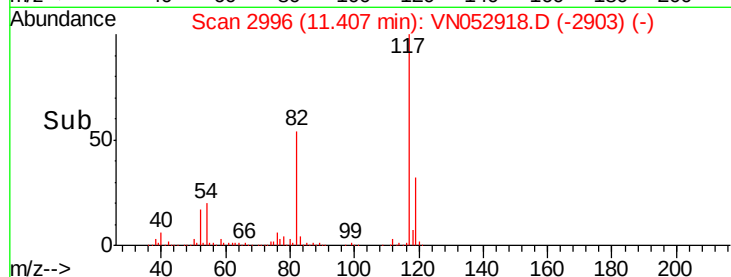
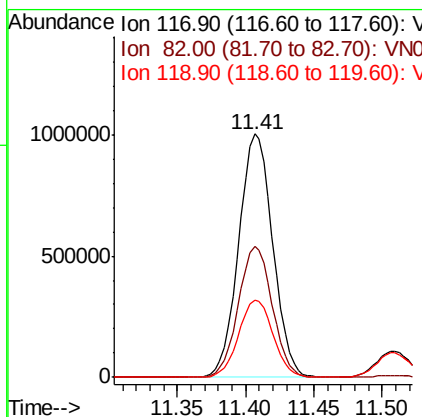
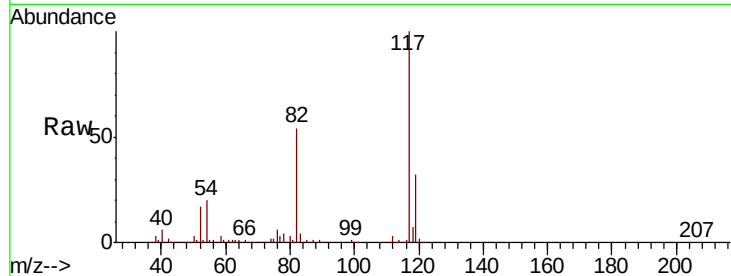
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion:117 Resp: 1738972
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 31.9 25.5 38.3

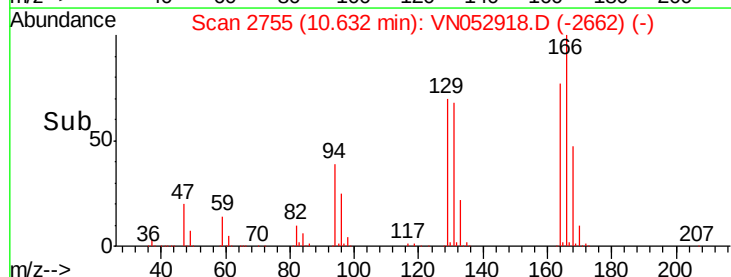
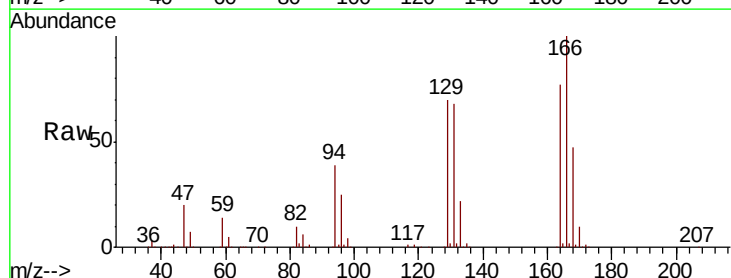
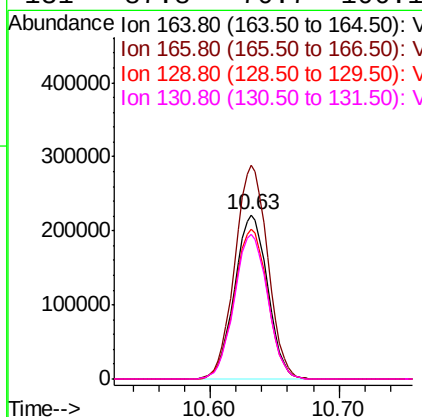
Manual Integrations
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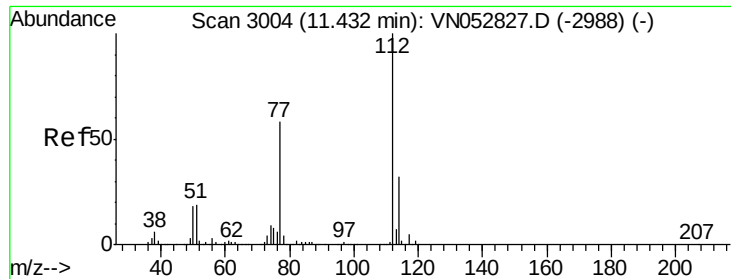
MMDadoda
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#64
Tetrachloroethene
Concen: 26.464 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion:164 Resp: 395525
Ion Ratio Lower Upper
164 100
166 130.0 102.9 154.3
129 91.5 73.7 110.5
131 87.8 70.7 106.1





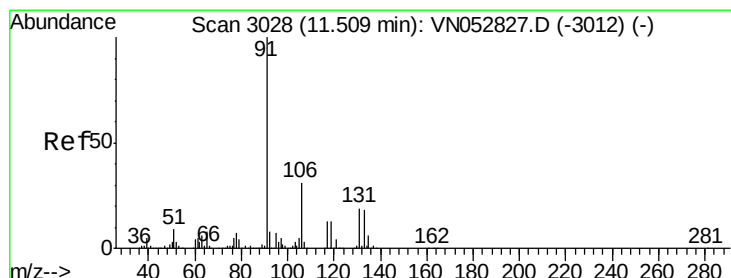
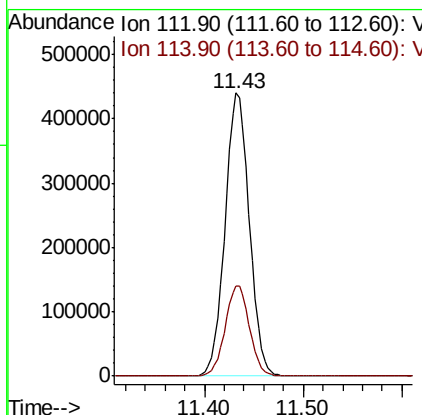
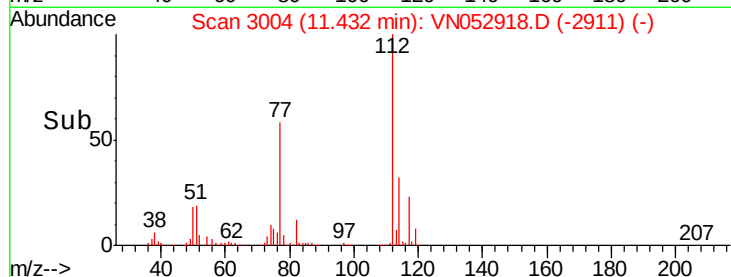
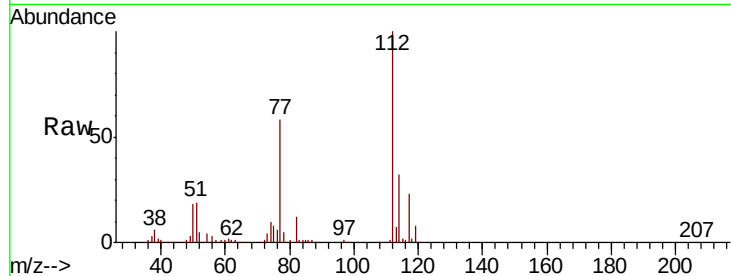
#65
Chlorobenzene
Concen: 20.898 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.5	38.3

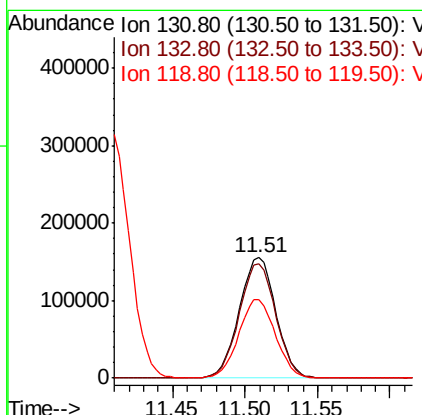
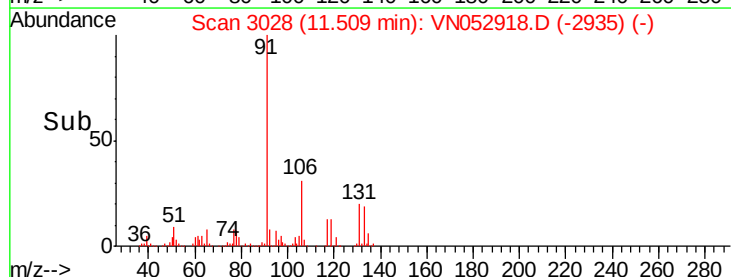
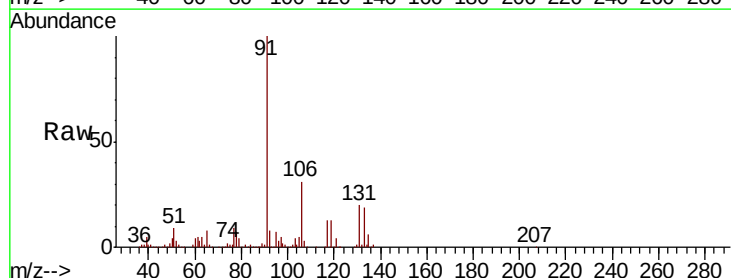
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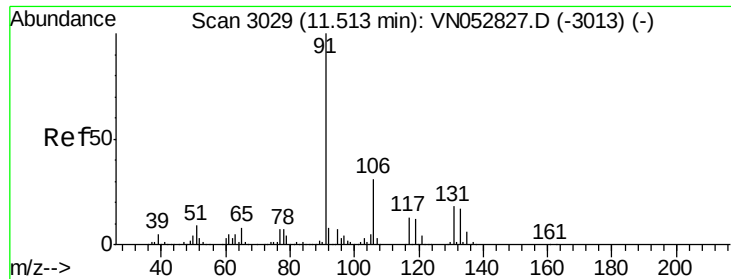
MMDadoda
12/18/2018 1:33:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.747 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.9
119	65.6	33.3	99.8





#67

Ethyl Benzene

Concen: 21.484 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 91 Resp: 1331072

Ion Ratio Lower Upper

91 100

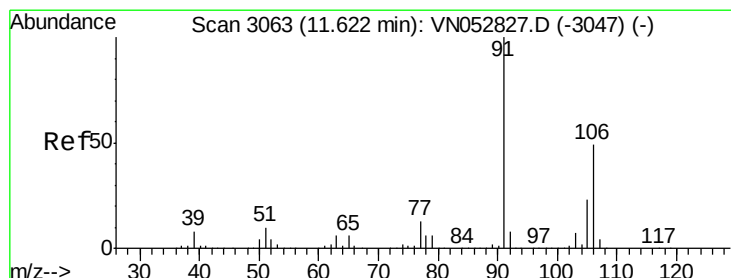
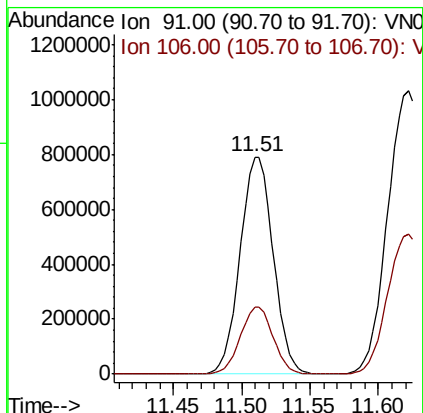
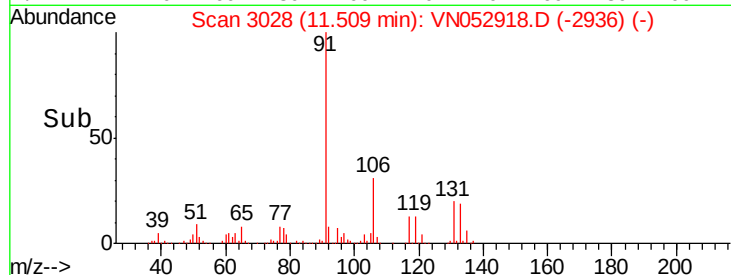
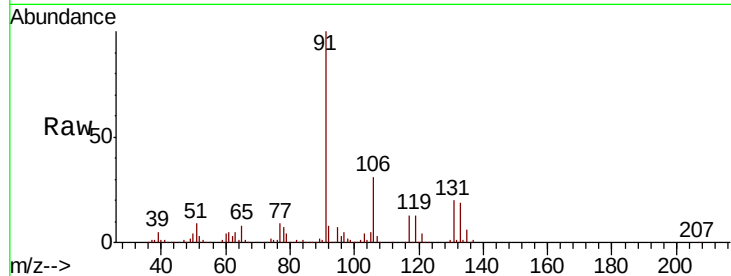
106 30.6 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.862 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052918.D

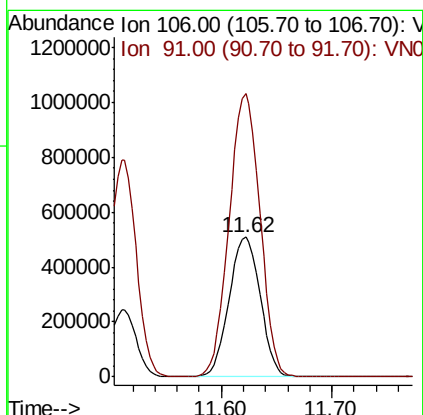
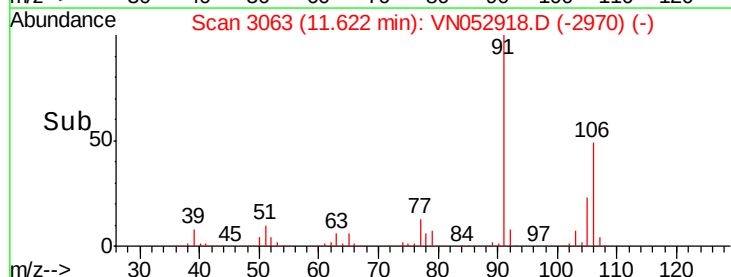
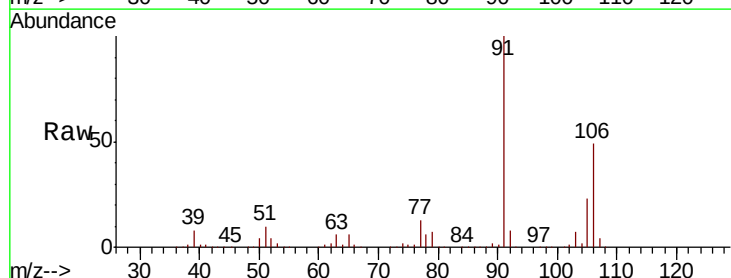
Acq: 17 Dec 2018 11:10

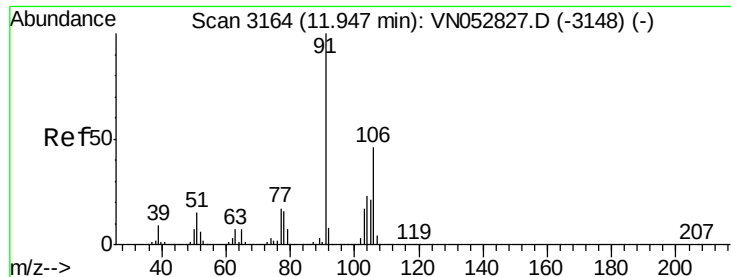
Tgt Ion: 106 Resp: 997140

Ion Ratio Lower Upper

106 100

91 200.9 162.2 243.4





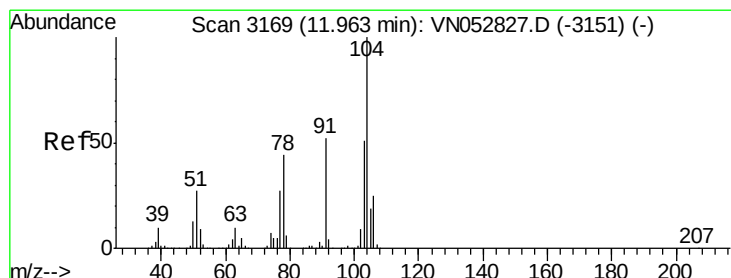
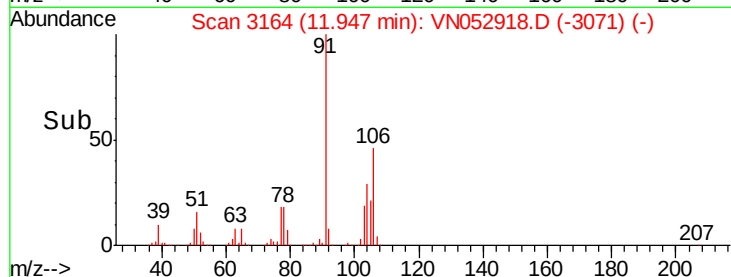
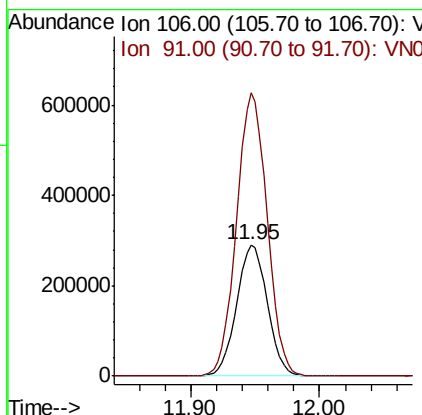
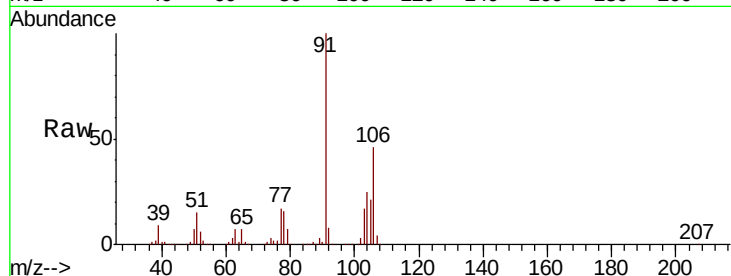
#69
o-Xylene
Concen: 21.120 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.8	106.6	319.8	

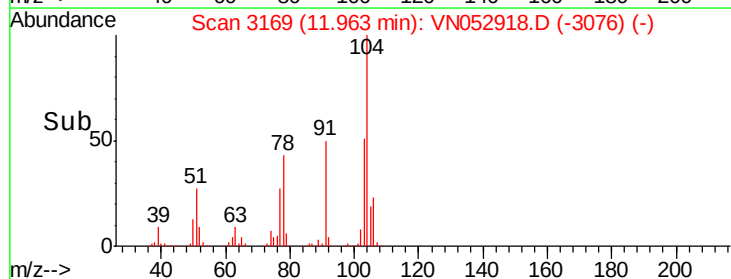
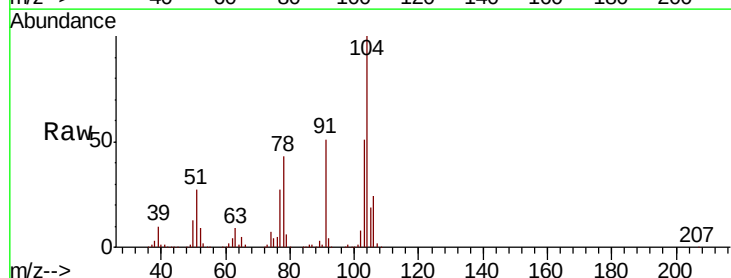
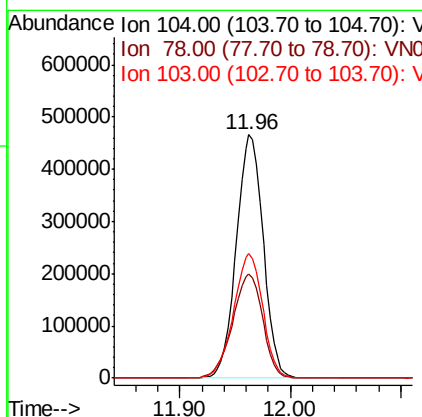
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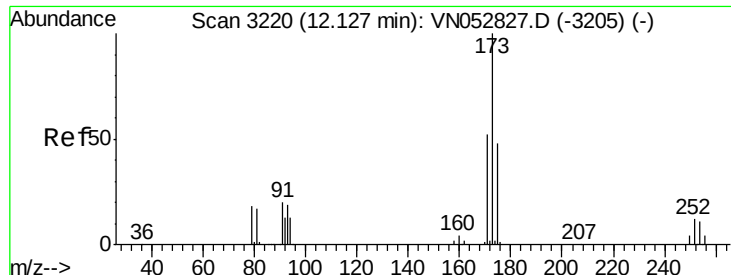
MMDadoda
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#70
Styrene
Concen: 21.569 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.8	38.9	58.3	
103	55.3	44.3	66.5	





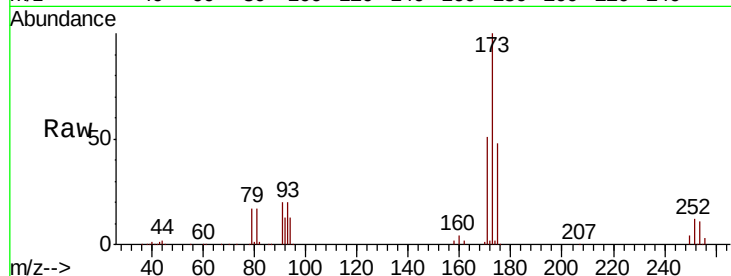
#71
Bromoform
Concen: 22.101 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampled :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.3	72.9
254	0.1	0.1	0.1

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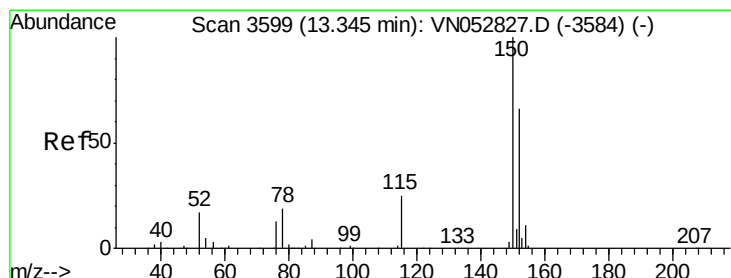
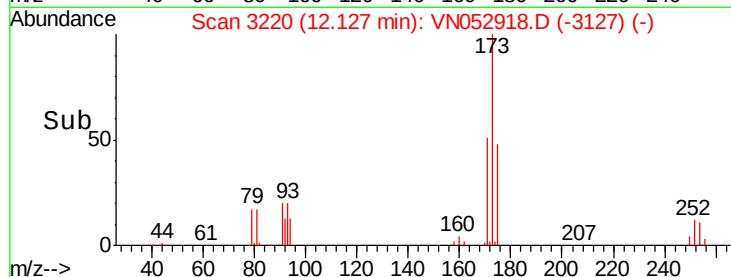
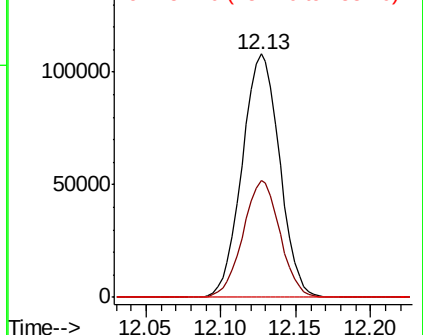


Abundance

Ion 172.70 (172.40 to 173.40): V

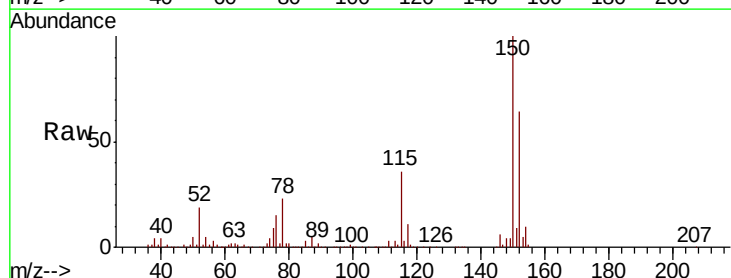
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	85.0
150	163.6	0.0	347.8

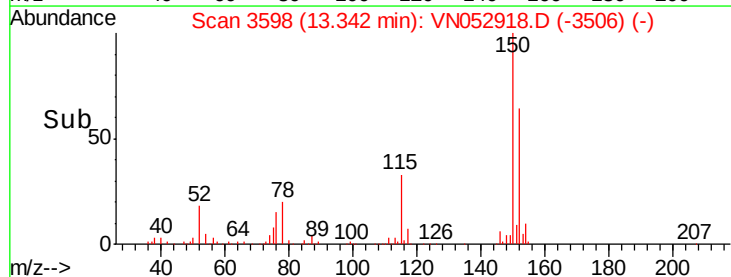
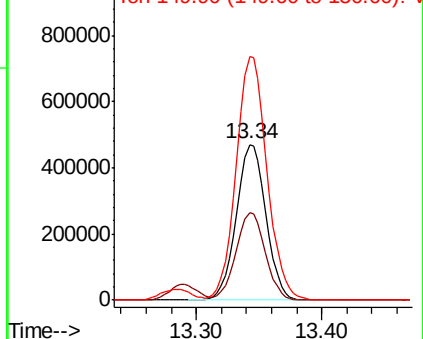


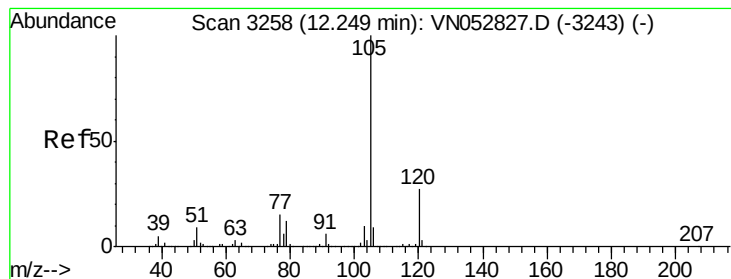
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.349 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion:105 Resp: 1280621

Ion Ratio Lower Upper

105 100

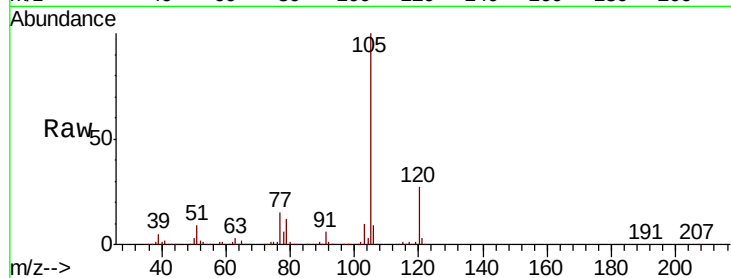
120 26.7 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

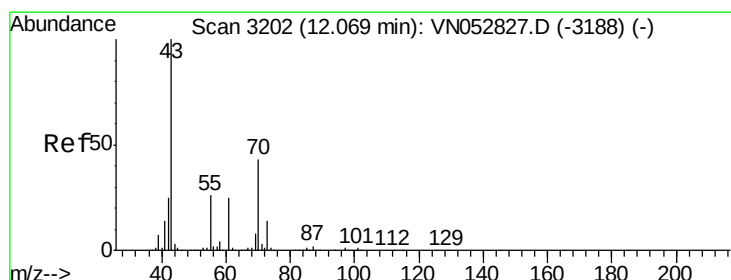
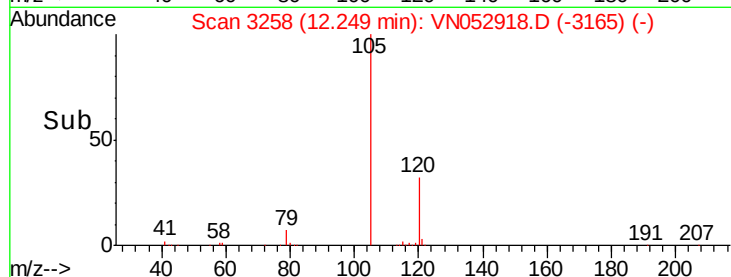
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 21.607 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Tgt Ion: 43 Resp: 339918

Ion Ratio Lower Upper

43 100

70 42.7 34.2 51.4

55 25.4 20.3 30.5

61 25.3 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

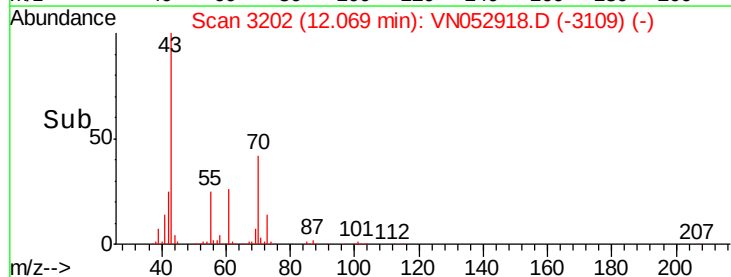
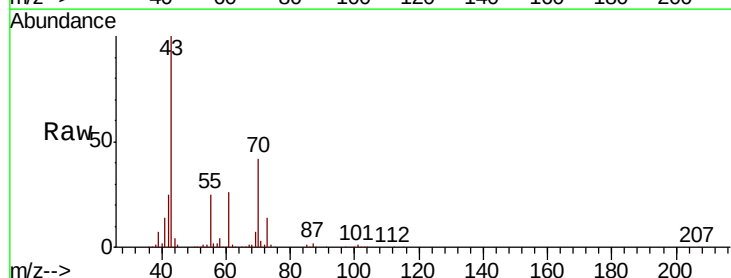
300000

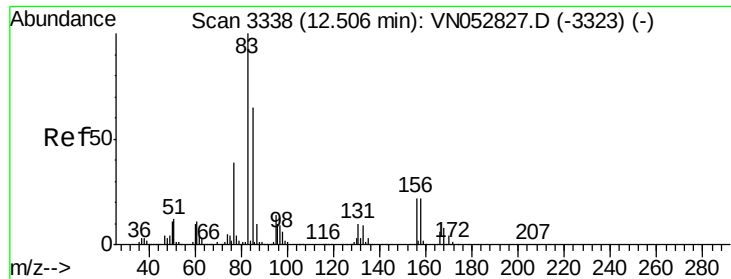
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.571 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

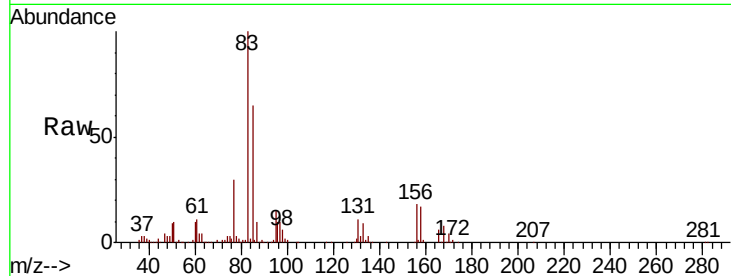
ClientSampleId :

VN1217WBS01

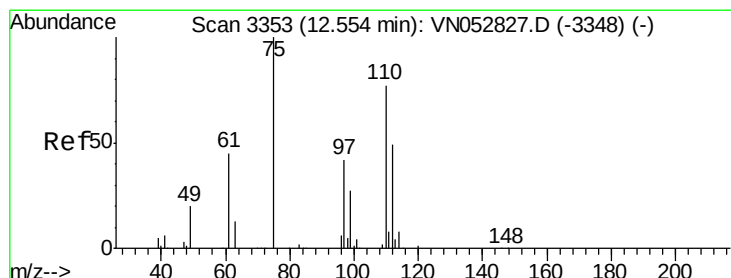
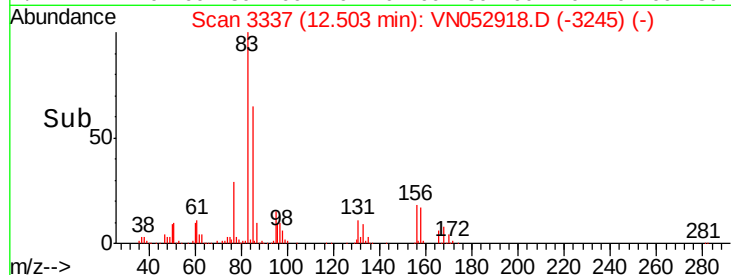
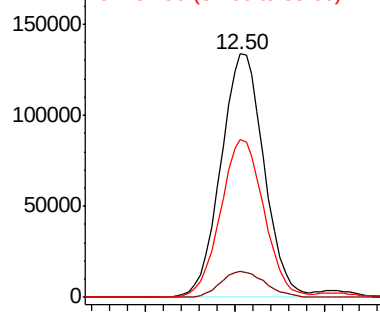
Tot Ion:	83	Resp:	225650
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.2	15.6
85	65.4	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 20.828 ug/l m

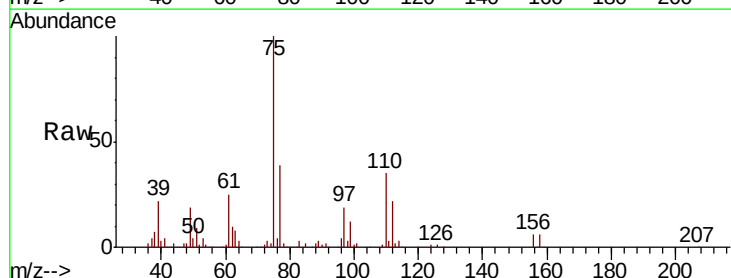
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

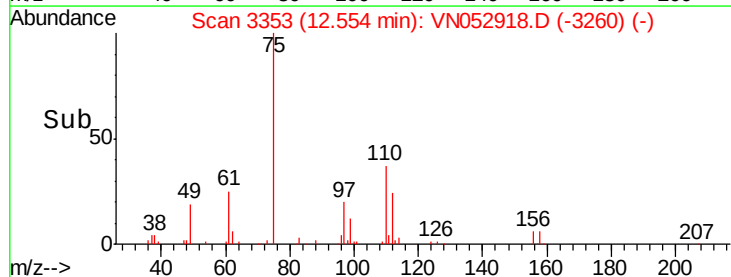
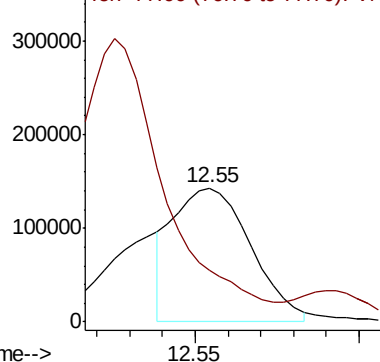
Lab File: VN052918.D

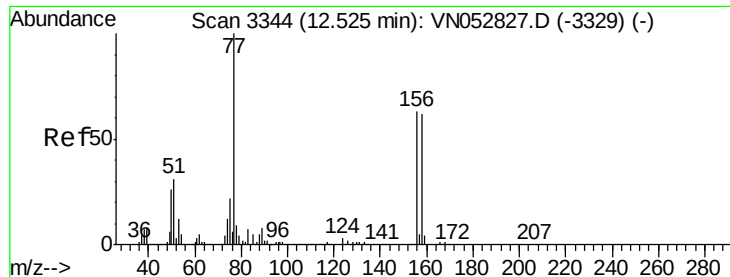
Acq: 17 Dec 2018 11:10

Tgt Ion:	75	Resp:	235834
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)





#77

Bromobenzene

Concen: 22.082 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

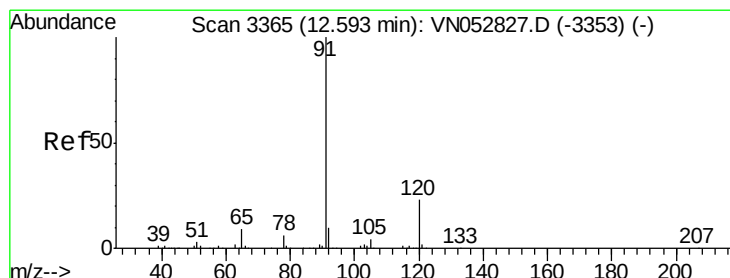
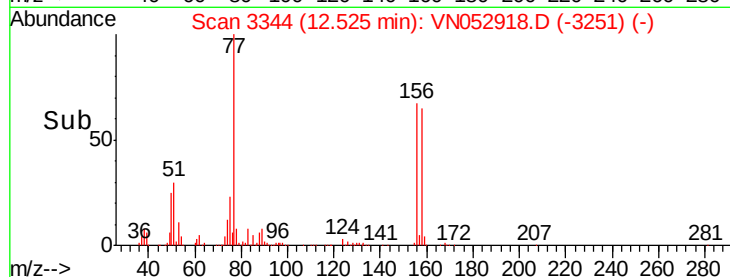
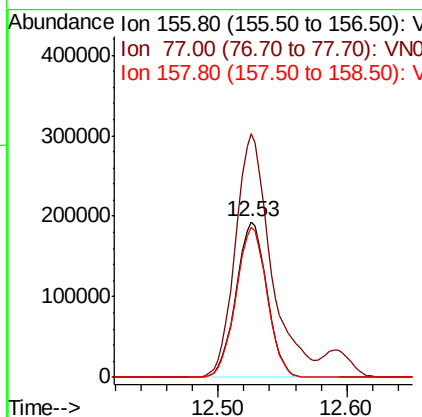
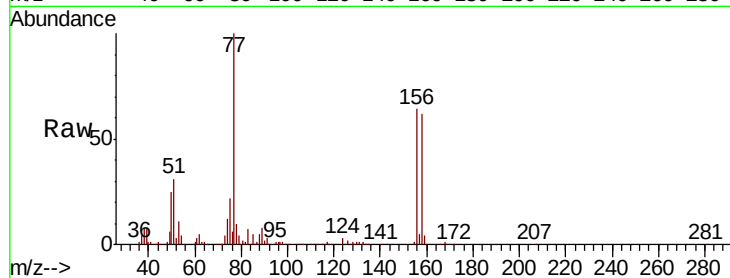
ClientSampleId :

VN1217WBS01

Tot Ion:	156	Resp:	321835
Ion Ratio	Lower	Upper	
156	100		
77	179.9	91.3	273.8
158	96.9	49.0	147.2

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#78

n-propylbenzene

Concen: 22.050 ug/l

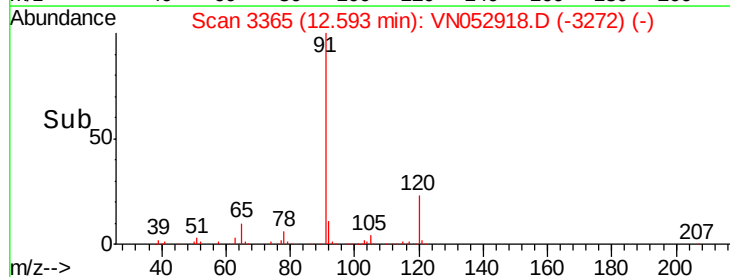
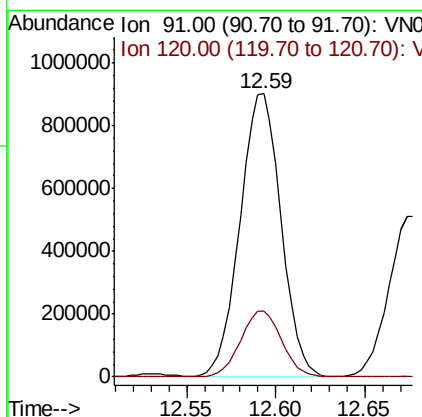
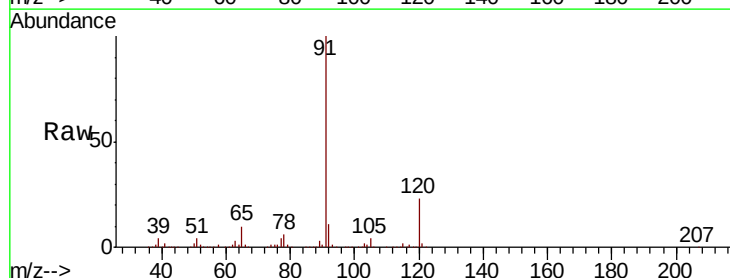
RT: 12.59 min Scan# 3365

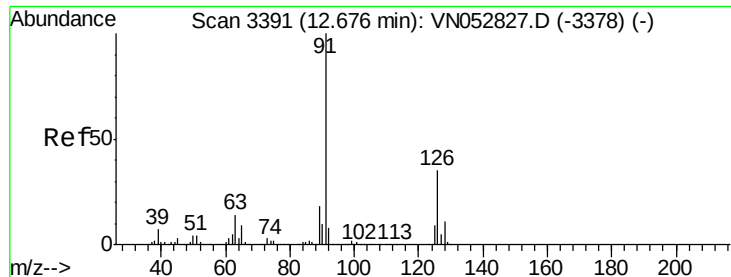
Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Tgt Ion:	91	Resp:	1441014
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.901 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 91 Resp: 846147

Ion Ratio Lower Upper

91 100

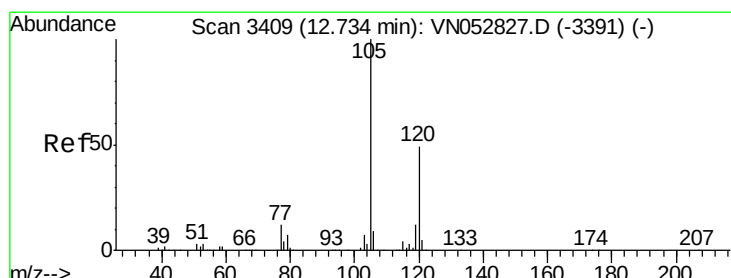
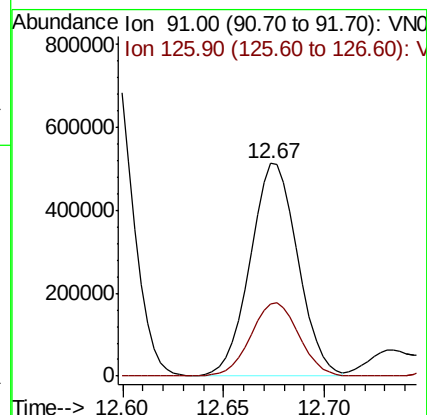
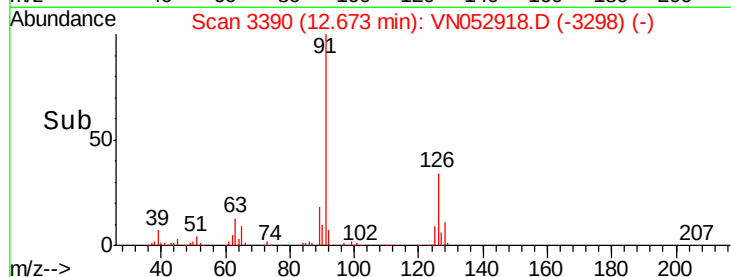
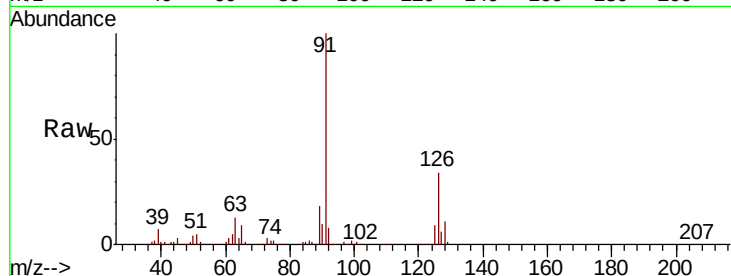
126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.642 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052918.D

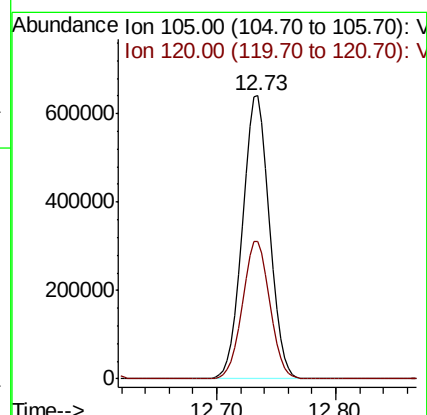
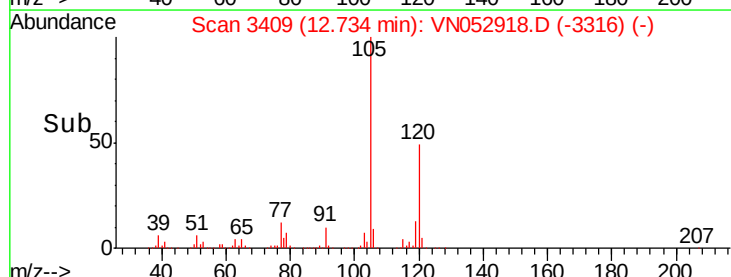
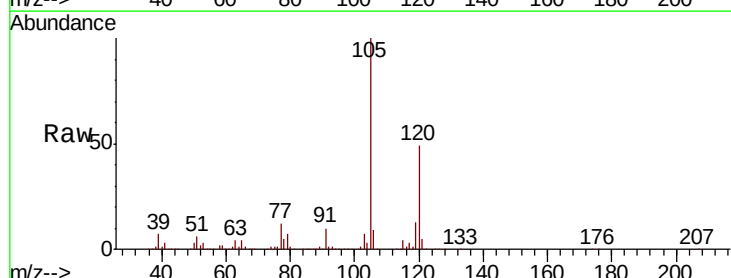
Acq: 17 Dec 2018 11:10

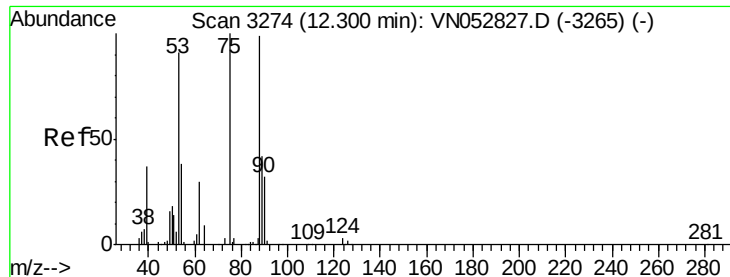
Tgt Ion: 105 Resp: 1001118

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.777 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052918.D

Acq: 17 Dec 2018 11:10

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 75 Resp: 80283

Ion Ratio Lower Upper

75 100

53 97.2 74.7 112.1

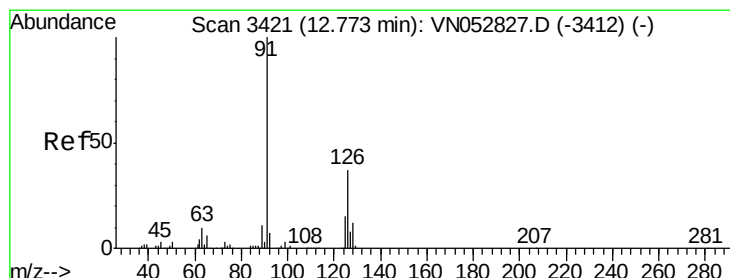
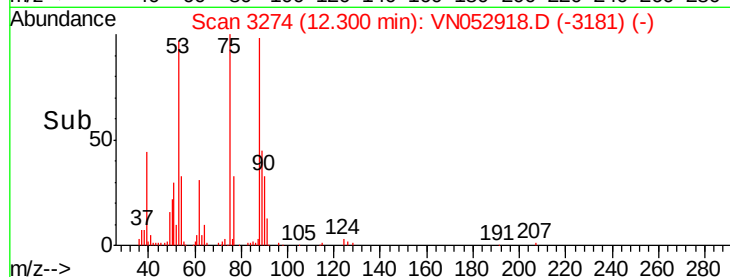
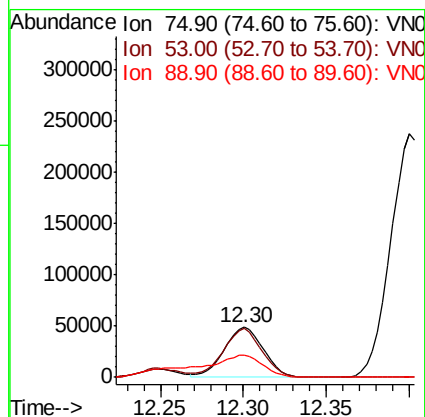
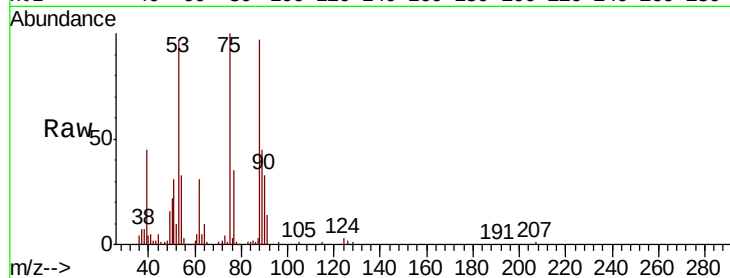
89 78.2 36.1 54.1#

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#82

4-Chlorotoluene

Concen: 21.572 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052918.D

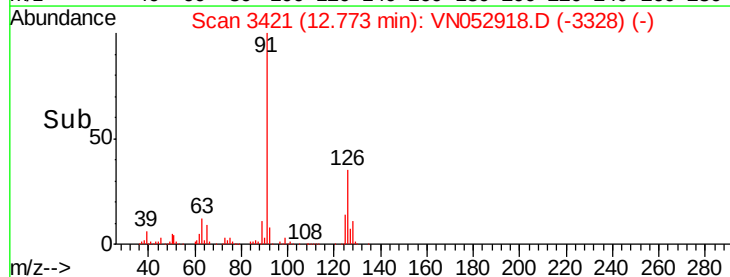
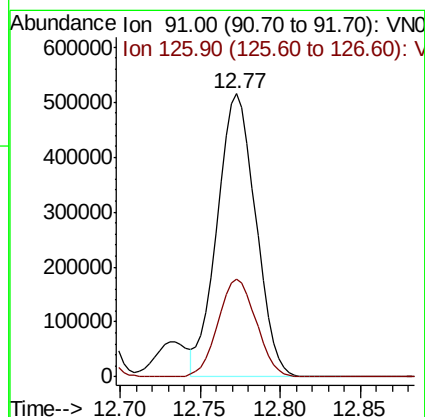
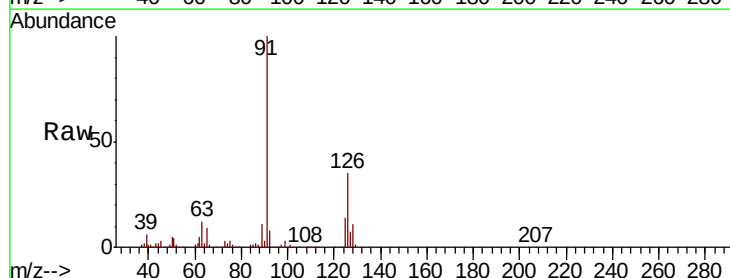
Acq: 17 Dec 2018 11:10

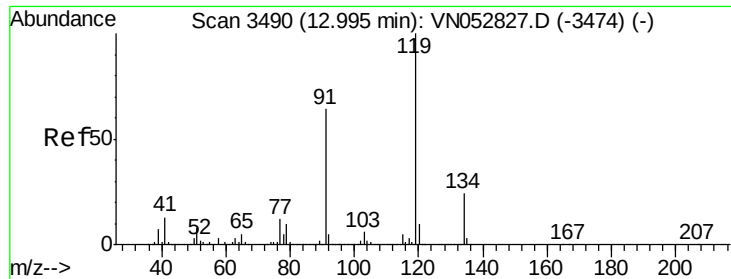
Tgt Ion: 91 Resp: 852145

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7





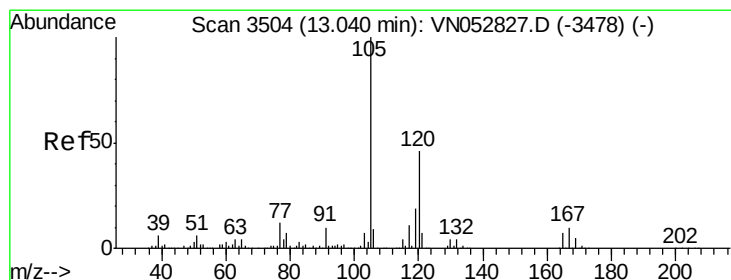
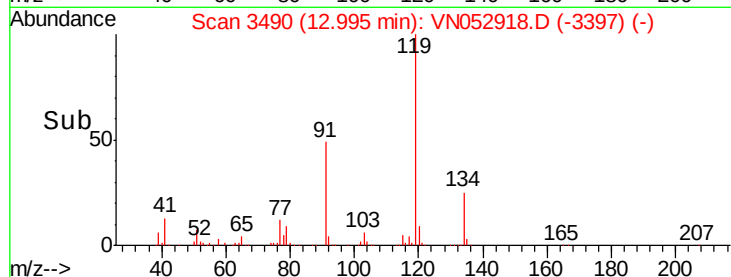
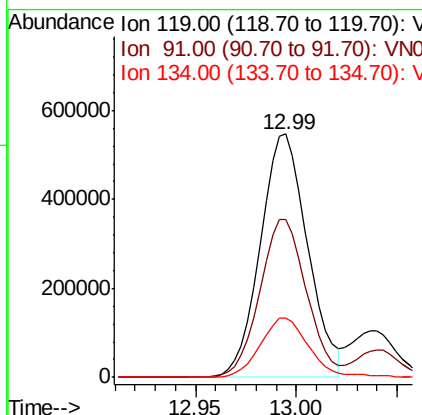
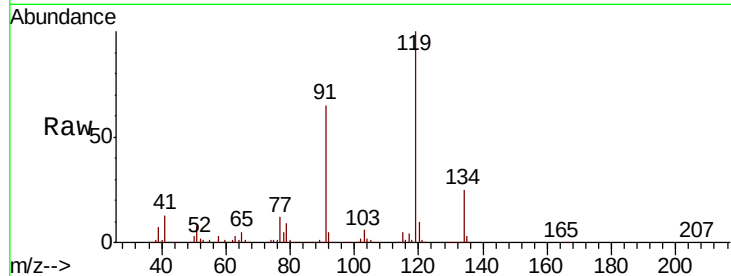
#83
tert-Butylbenzene
Concen: 21.853 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	31.9	95.5
134	25.3	12.8	38.4

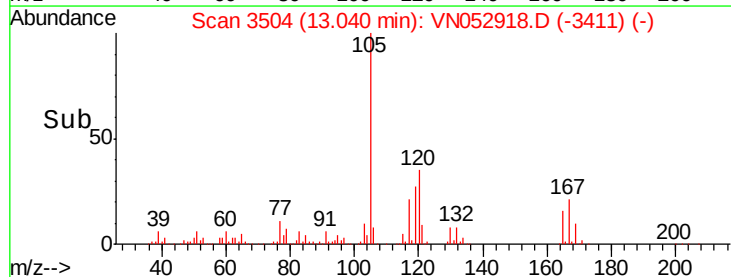
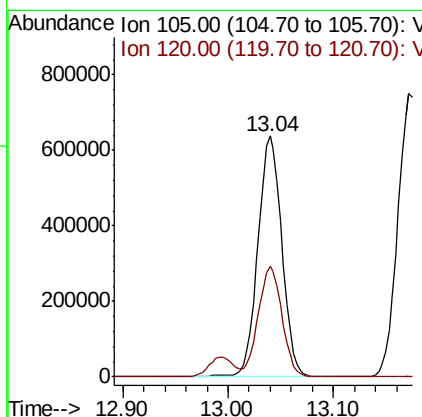
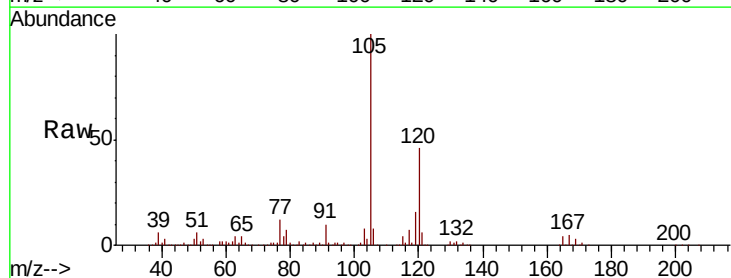
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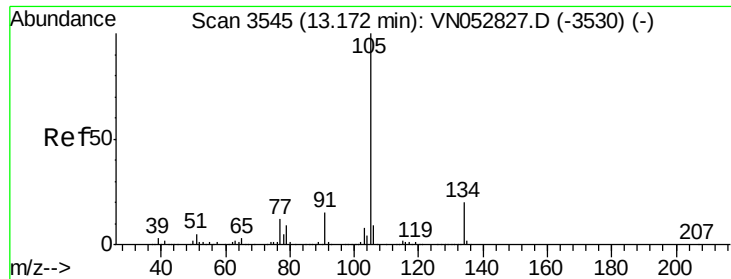
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#84
1,2,4-Trimethylbenzene
Concen: 21.615 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





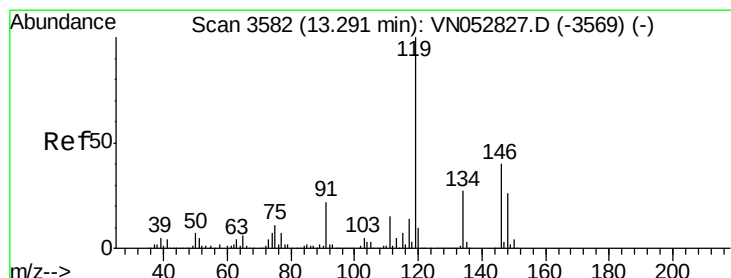
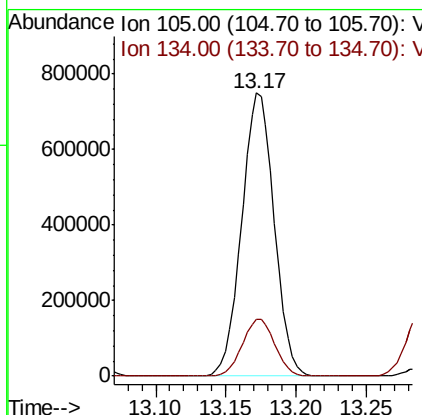
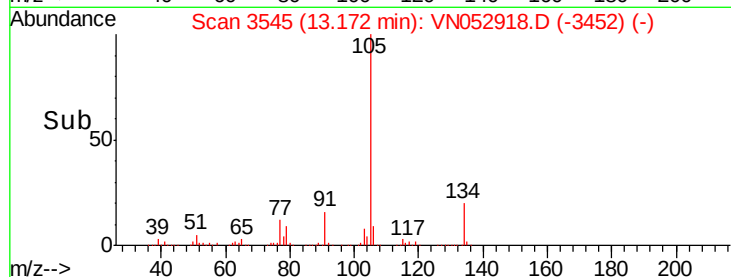
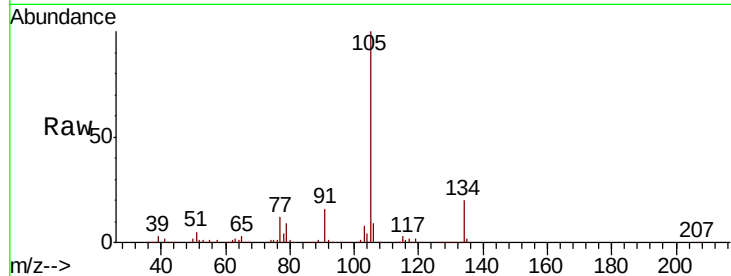
#85
 sec-Butylbenzene
 Concen: 21.813 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion:105 Resp: 1205400
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

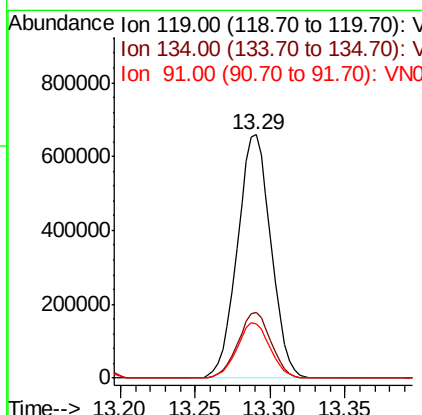
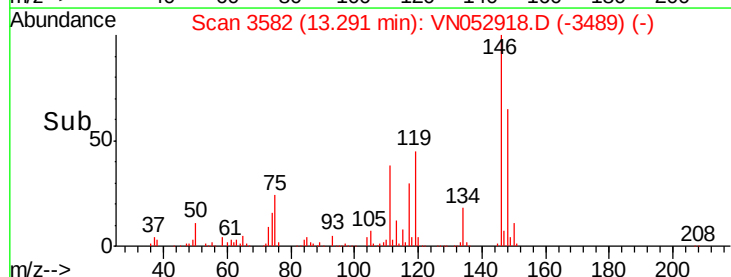
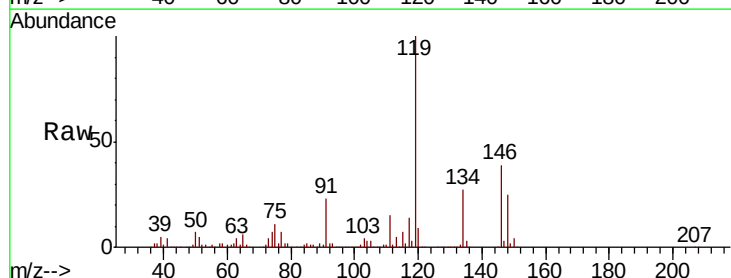
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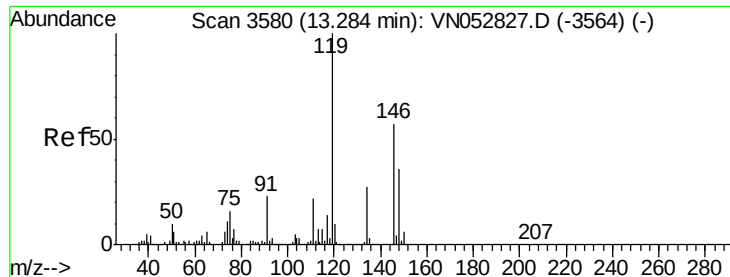
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#86
 p-Isopropyltoluene
 Concen: 21.402 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion:119 Resp: 1024667
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.5 11.1 33.3





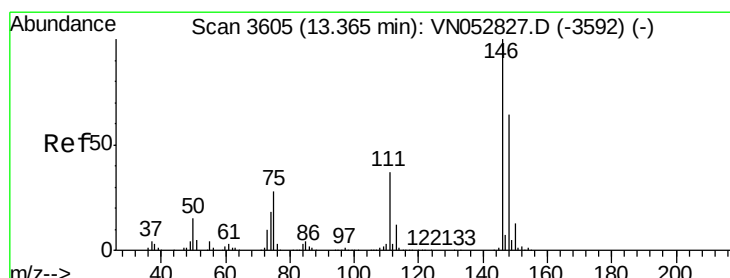
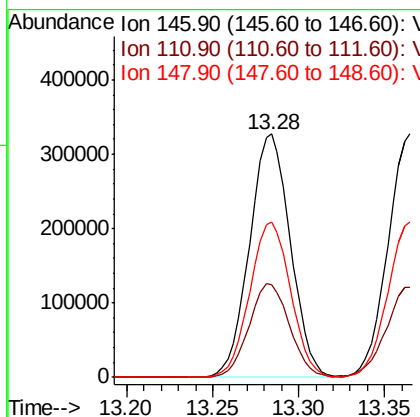
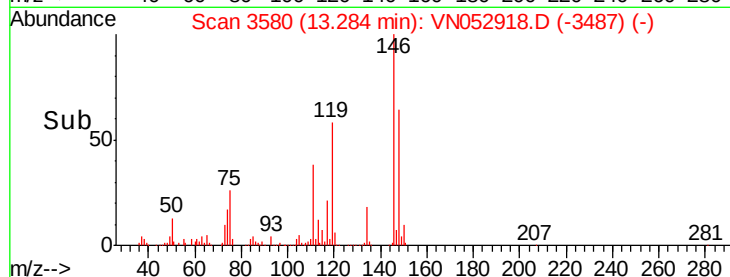
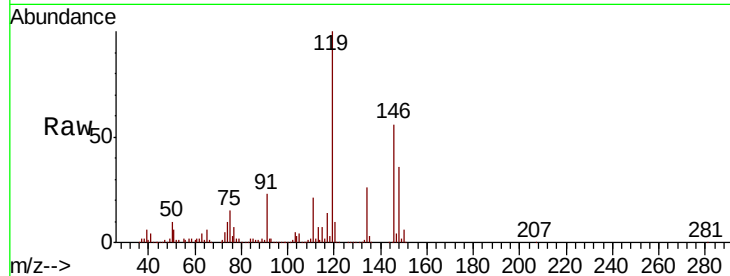
#87
 1,3-Dichlorobenzene
 Concen: 20.810 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.7	32.0	96.0

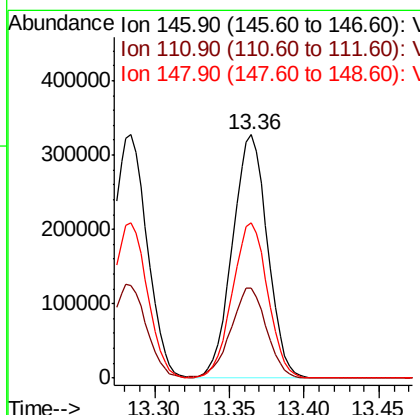
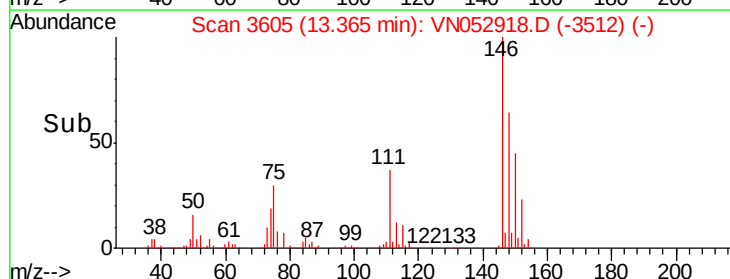
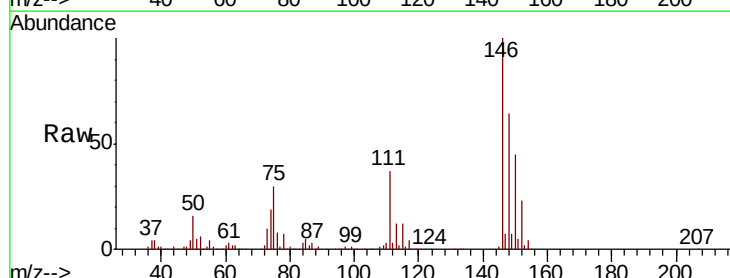
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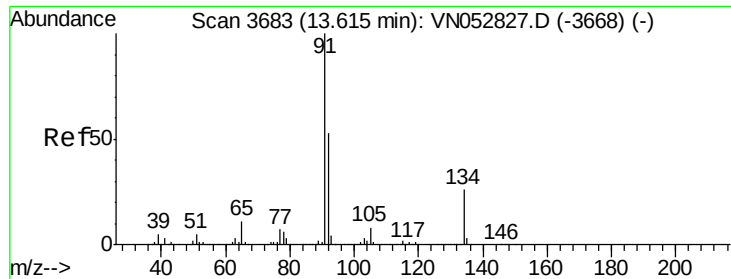
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#88
 1,4-Dichlorobenzene
 Concen: 20.738 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.6	32.1	96.5





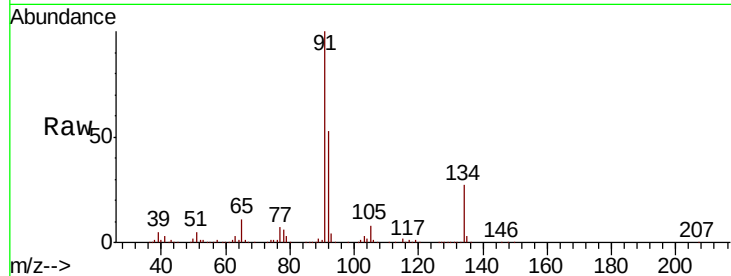
#89
n-Butylbenzene
Concen: 20.880 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	26.2	13.3	39.8

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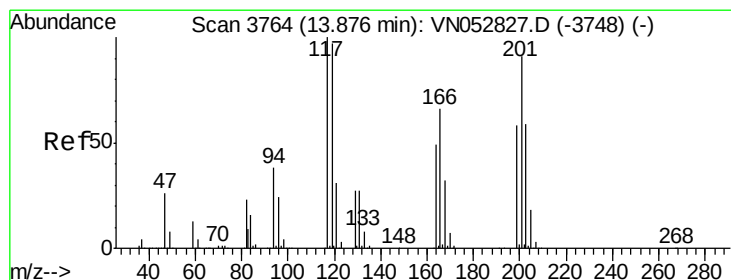
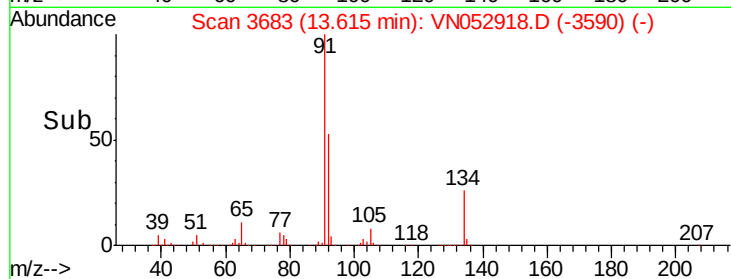
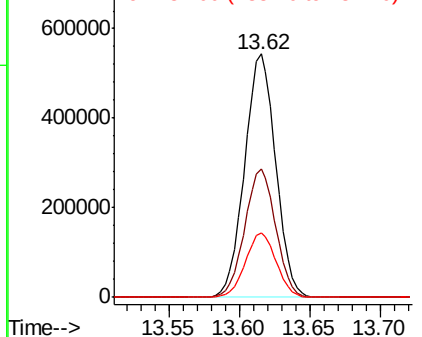


Abundance

Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

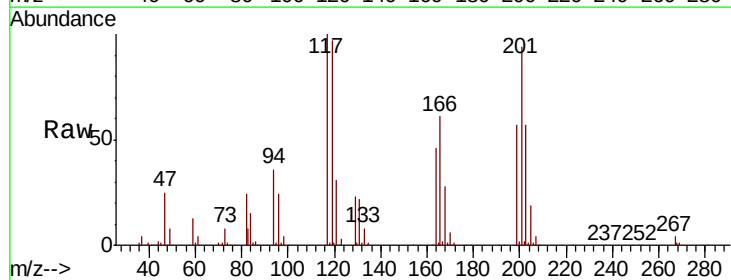
Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90
Hexachloroethane
Concen: 20.008 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

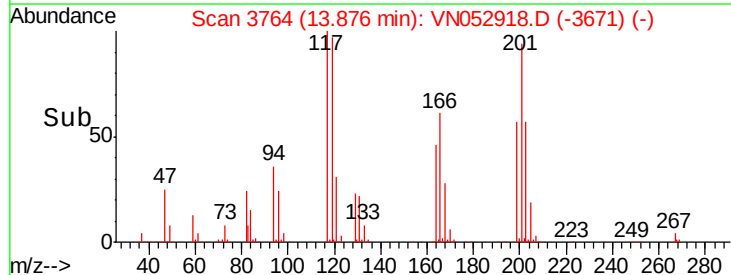
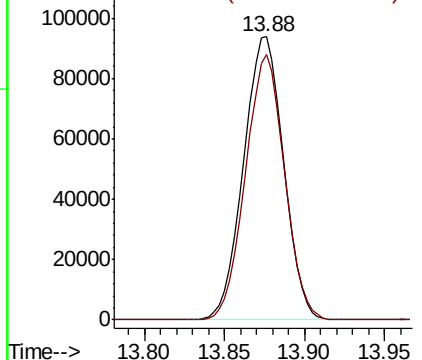
Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.7	137.1

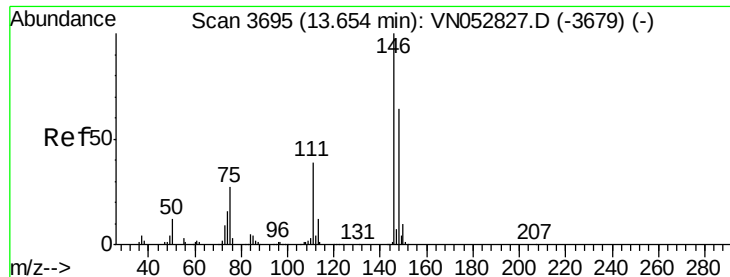


Abundance

Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





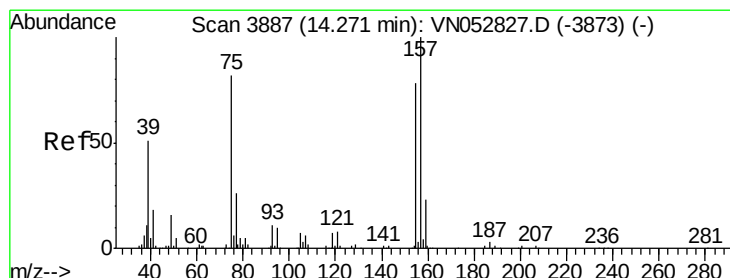
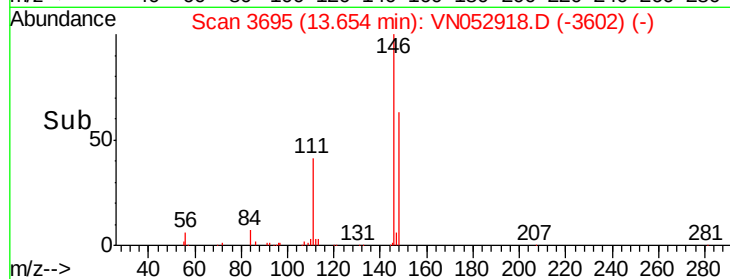
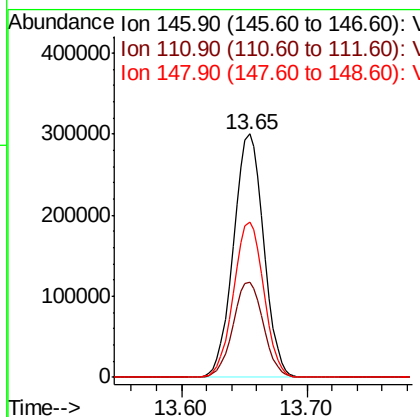
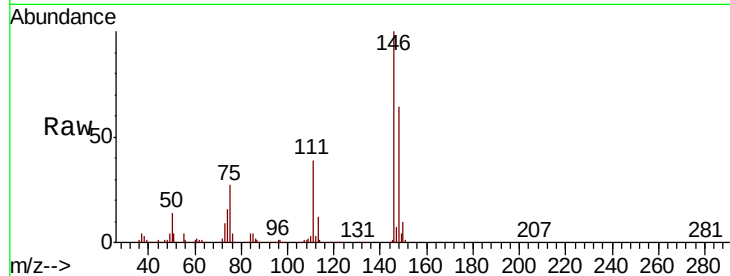
#91
 1,2-Dichlorobenzene
 Concen: 20.161 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.0	32.0	96.0

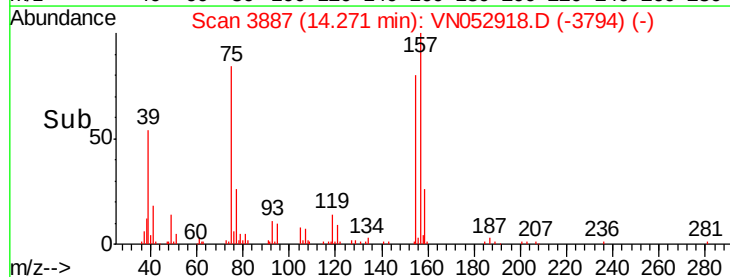
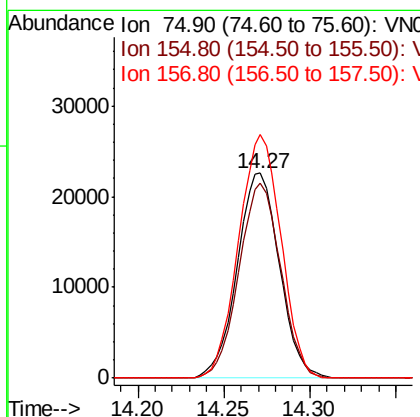
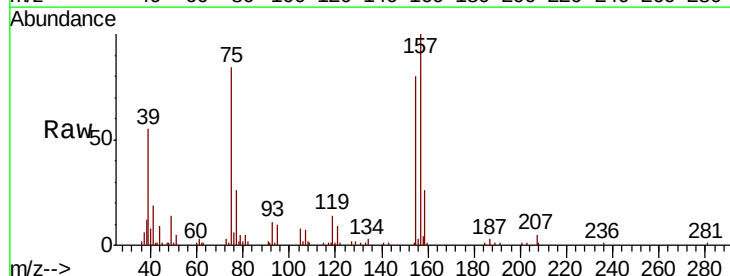
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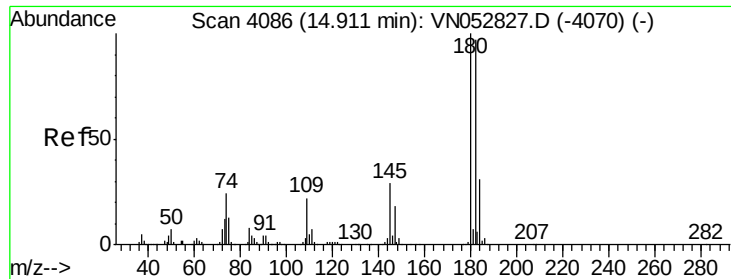
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.956 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	48.2	144.6
157	118.9	61.2	183.5





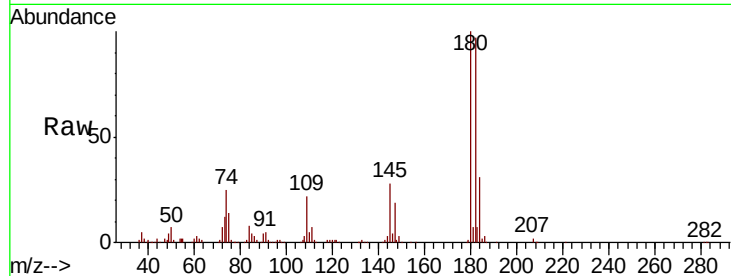
#93
 1,2,4-Trichlorobenzene
 Concen: 18.649 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.8	143.3	
145	28.5	14.2	42.6	

Manual Integrations
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MMDadoda
 12/18/2018 1:33:04 PM

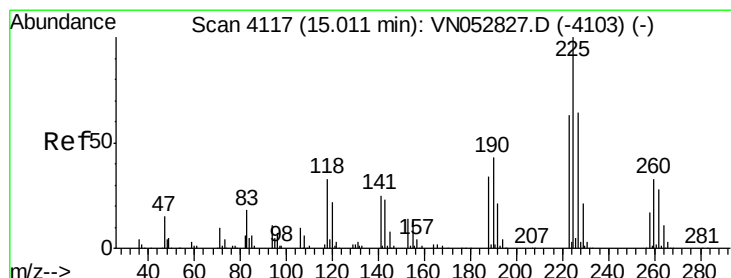
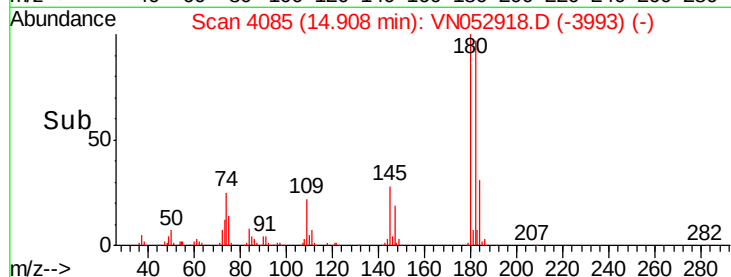
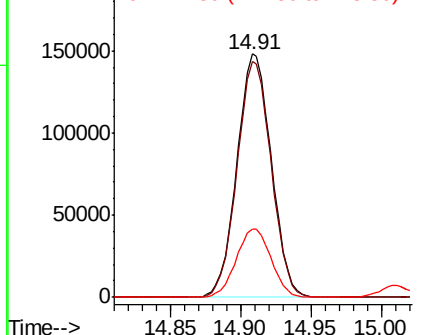


Abundance

Ion 179.80 (179.50 to 180.50): V

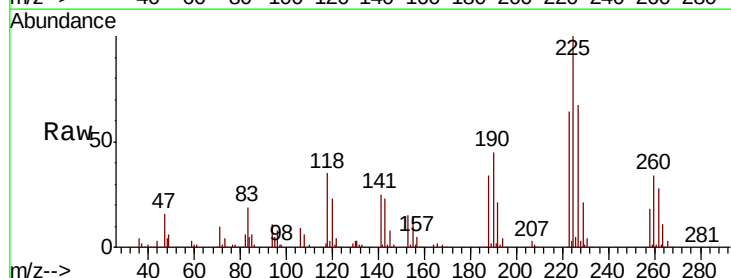
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.634 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052918.D
 Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.5	94.5	
227	65.5	31.9	95.7	

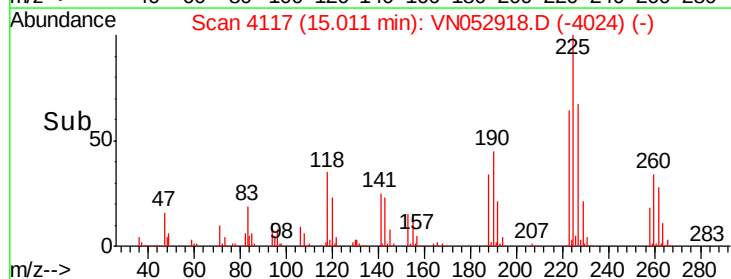
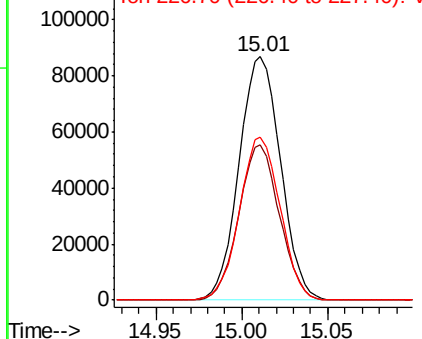


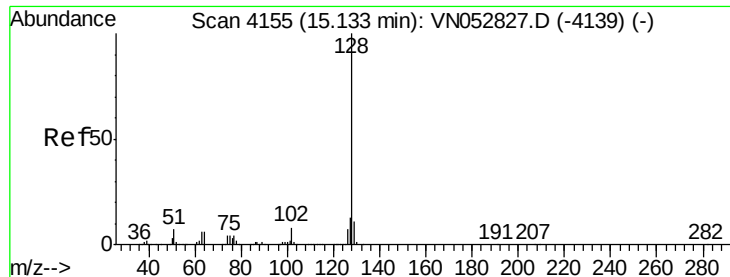
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





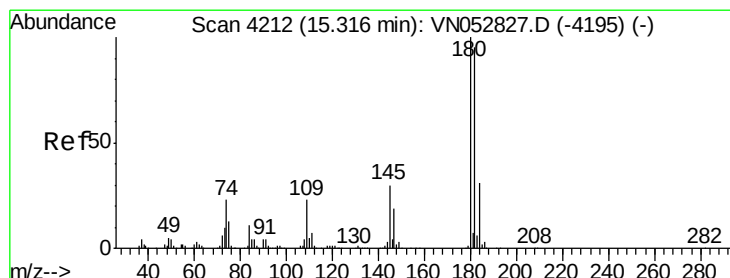
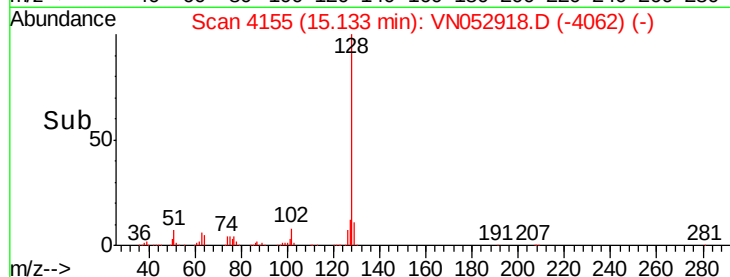
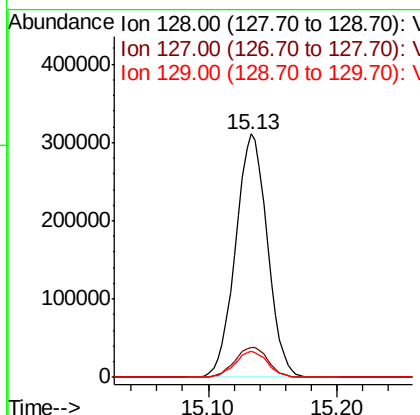
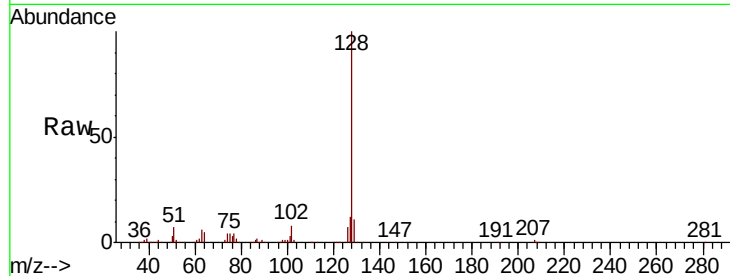
#95
Naphthalene
Concen: 18.976 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.271 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052918.D
Acq: 17 Dec 2018 11:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.7
145	30.1	15.0	45.0

